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GC/MS Determination of Amines Following Exhaustive Trifluoroacetylation

Topical Report

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ABSTRACT

An analytical method for trifluoroacetylation of aromatic amines and GC/MS of the resulting derivatives has been developed. The key feature of the method is its capability to differentiate primary, secondary, and tertiary amines; since, using the conditions described in the report, most primary amines add two and secondary amines add one trifluoroacetyl group. In general, tertiary amines do not react. Since conventional trifluoroacetylation procedures introduce only a single trifluoroacetyl group into both primary and secondary amines, the procedure reported here improves GC/MS identification of the relatively large number of isomers of nitrogen compounds found in petroleum or similarly complex mixtures. For example, using exhaustive trifluoroacetylation, it is possible to differentiate isomeric forms of $C_9H_{11}N$ (e.g., cyclohexenopyridines, aminoindans, 1,2,3,4-tetrahydroquinoline and tetrahydroisoquinolines).

Examples of the application of the method to petroleum and coal liquid products are provided. Because of the limited thermal stability of the derivatives of primary amines, the method is applicable only to distillates boiling below 370° C (700° F).

To expedite utilization of the method by others, GC retention indices and relative GC/MS total ion current response factors for 102 trifluoroacetyl derivatives are included in the body of the report and their 70 ev mass spectra are reported in Appendix A.

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INTRODUCTION

Earlier reports from this laboratory have described gas chromatographic/mass spectrometric (GC/MS) analyses of carboxylic acids after conversion to 2,2,2,-trifluoroethyl or 2,2,3,3,4,4,4,-heptafluorobutyl esters (1), and phenolic compounds as the corresponding trifluoroacetate esters (2). During this earlier work, it was noted that, using appropriate conditions, primary aromatic amines such as aniline could be converted to ditrifluoroacetamides (diamides), while secondary amines such as diphenylamine formed the corresponding monotrifluoroacetamides (monoamides) (3). The objective of the current work was to determine if trifluoroacetylation could be used to differentiate primary, secondary, and tertiary amines formed in petroleum products.

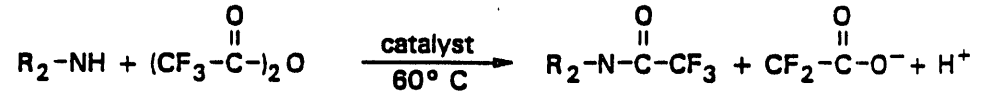
About 1/3 of the nitrogen compounds in petroleum occurs as basic compounds such as alkylpyridines and higher homologues, with non-basic compounds such as benzologs of pyrrole and cyclic amides (2-quinolone homologs) comprising the balance (4). Other nitrogen compound types such as primary aromatic amines, not found in native petroleum stocks, are produced during many of the commonly used processes for conversion of the heavy ends of petroleum to distillate fuels. For example, alkylanilines are present in catalytically-cracked products (5, 6) and various types of aromatic amines are produced as intermediates in hydrotreating (7). In addition, syncrude blending stocks from coal and oil shale contain aromatic amines.

Because of their increased reactivity relative to petroleum hydrocarbons, nitrogen compounds are deleterious constituents of petroleum. For example, basic nitrogen compounds poison catalysts used in catalytic cracking (8-10) and acidic nitrogen compounds such as alkylindoles have been implicated in the storage instability of diesel fuels containing light cycle oils (11).

Blending of synfuels into petroleum feedstocks can introduce primary polyaromatic amines such as aminonaphthalenes, aminophenanthrenes and aminochrysenes. The concentration of these latter compounds is of interest because primary polyaromatic amines have been implicated as the most mutagenic compound-class present in coal liquids (12).

GC/MS has been widely used to characterize fossil fuels, but the similarity of underivatized primary, secondary, and tertiary amine electron impact fragmentation patterns often prohibit their differentiation using this technique. An improved analysis of aromatic and heterocyclic amines as trifluoroacetamide derivatives was first reported by Saxby (13-15). Derivatization produced more distinct MS fragmentation patterns, and eliminated peak tailing problems prevalent in separations of basic compounds with GC columns available at that time. Since then, several researchers have reported using acetylation and trifluoroacetylation to help distinguish between primary and tertiary aromatic amines in gasoline (16), creosote oil (17) and coal liquids (18-21).

In general, aromatic amines react as shown in **Eq. 1.**

Eq. 1. 

Primary and secondary amines, including partially hydrogenated derivatives of azaarenes such as 1,2,3,4-tetrahydroquinoline, are reacted by exchange of an acetyl or trifluoroacetyl group with an active hydrogen found on the nitrogen atom. Tertiary aromatic amine species such as azaarenes or naphthenopyridines, which do not contain a replaceable hydrogen, do not react.

A catalyst is necessary for the reaction (22), which proceeds through the production of small amounts of the intermediate salt, N-trifluoroacetyl-4-dialkylaminopyridinium trifluoroacetate (23). The increased mass and easily distinguished fragment ions of the derivatized compounds, as well as shifts in their GC retention times, are used to aid in their identification using GC/MS.

Later, *et al.* used an analogous derivatization with pentafluoropropionic anhydride to detect primary aromatic amines in an SRC II coal liquid (24,25), and Bartle, *et al.* adducted anilines with hexafluoroacetone for analysis via ^{19}F nuclear magnetic resonance spectroscopy (26).

The disadvantages of existing acetylation methodology include decreased volatility of the amide compared to the parent compound, as well as the inability to differentiate between primary and secondary amines, since both types incorporate a single acetyl group. For example, isomeric aminoindans (primary amines) and methylindolines/1,2,3,4-tetrahydroquinolines (secondary amines) exhibit identical molecular weights and empirical formulas before and after monotrifluoroacetylation. The differentiation of these primary and secondary amines is important for the development of improved hydrodenitrogenation (HDN) processes for heavy crude feedstocks. For example, Steele, et. al., have reported that HDN proceeds through pathways with unavoidably high hydrogen consumption (27). Research on HDN processes, therefore, would benefit from improved analytical techniques which would allow rapid and efficient monitoring of the concentration of the most desirable intermediates.

The differentiation of isomeric acidic aromatic amines may also be valuable from the standpoint of refining processes and fuel stability. For example, Beranek, *et al.*, have recently reported that the addition of indole or 2-methylindole to straight run fuels promotes sediment formation during storage, but addition of the 3-methylindole isomer does not (6). Similarly, 1-alkylcarbazoles have been reported to be the most reactive and 4-alkylcarbazoles the most resistant in HDN of the carbazole isomers (28-30). In contrast to these earlier reports, Dzidic *et al.* recently identified 1-methylcarbazoles as the most resistant of the carbazole isomers during HDN (31). It is expected that trifluoroacylation of both indoles and carbazoles would offer improved differentiation of isomers via GC/MS.

For these reasons, an analytical method which distinguishes between primary, secondary, and tertiary aromatic amines has been developed. Rigorous reaction conditions were employed to form di- and mono-trifluoroacyl derivatives of primary and secondary amines, respectively, prior to GC/MS analyses. Tertiary amines do not react. Because of the limited thermal stability of diamides, the method is applicable only to distillates boiling below 370° C (700° F). The EI mass spectra for 102 trifluoroacetyl derivatives of amine compounds are presented in **Appendix A.** The method has been applied to fractions from an upgraded SRC II coal liquid and catalytically-cracked petroleum products, and the results are reported here.

MATERIALS AND METHODS

Materials

Most individual amines were obtained commercially (from Aldrich Chemical, Milwaukee, WI or Pfaltz and Bauer, Waterbury, CT) and used without further purification. The methyl- and dimethylcarbazole samples were provided by Prof. Masatane Kuroki. Fuel samples were processed and fractionated as described in **Appendix B.**

Derivatizations were performed in 5 mL heavy wall glass reaction vials (Supelco, Bellefonte, PA, cat. 3-3299) fitted with Teflon caps (ibid., cat. 3-3303). Trifluoroacetic anhydride (99+%) and 4-pyrrolidinopyridine (98%) (Aldrich Chemical) were used as the derivatizing agent and catalyst, respectively.

Sample Preparation

Retention index markers (4-fluorophenol, 1-naphthol, 9-phenanthrol, and 3-hydroxybenzo[c]phenanthrene), and an internal standard (4-fluoroaniline) were prepared in dichloromethane to a final concentration of 5mg/ml for each component. Aloquots of the above mixture (0.2 mL) were added to 6-8 pure compounds (1 mg/compound) or fuel fractions (10-20 mg) before derivatization.

Derivatization with Trifluoroacetic Anhydride (TFAA)

Blends of pure compounds or fuel samples prepared as described above were combined with 0.5 ml catalyst (0.8 M 4-pyrrolidinopyridine in dichloromethane) and 0.4 ml TFAA in vials, capped, held at 60° C for 10 minutes (30 minutes for acidic compounds or fractions), and rapidly cooled. Hexane (2.0 ml) was added, samples were shaken well, and chilled at -5° C to facilitate precipitation of the catalyst as its trifluoroacetate salt. An aliquot of the supernatant was removed from the chilled sample within 5 hours and injected into the cool-on-column inlet of the GC.

In most cases, blends of aromatic amines and internal standards were derivatized 3 times and each reaction mixture was analyzed twice, with no more than 5 hours between GC/MS injections. Since only small amounts of methyl- and dimethylcarbazoles were available, these compounds

were derivatized once, and each reaction mixture was injected twice. Data from these runs were averaged to obtain retention indices and response factors.

GC/MS

A Kratos (Ramsey,NJ) MS-80 GC/MS system consisting of a Carlo Erba model 4162 temperature programmed GC, modified in-house with a Hewlett-Packard cool-on-column inlet, capillary direct interface, EI source, MS-80 magnetic scan mass spectrometer and Data General Nova 4-based DS-55 data system was used for all analyses. Samples (0.2 to 0.4 ul) were injected, and the column (Restek Corp., Bellefonte, PA, RTX-1 fused silica, 105 m, 0.25 mm I. D., 0.5 μm film) was held 2 minutes at 30° C, programmed at 20° C/min to 70° C, then 2° C/min to 320° C, and held 10 minutes.

Other instrumental conditions were: GC/MS interface 310° C, He column flow 1 ml/min, column head pressure 3.0 Kg/cm^2; mass spectral conditions - 70 eV ionizing voltage, 1,000 resolution, 0.5 sec/decade scan rate, source pressure 10^{-5} torr, and source temperature 300° C.

Retention Indices

The retention indices were calculated using 4-fluorophenol, 1-naphthol, 9-phenanthrol, and 3-hydroxybenzo[c]phenanthrene trifluoroacetate esters as reference compounds as shown in **Eq. 2.**

Eq. 2.

$$I_X = 100 \left[I_N + \frac{t_{(X)} - t_{(N)}}{t_{(N+1)} - t_{(N)}} \right]$$

where I_X is the retention index, $t_{(X)}$ is the retention time of a given acetylated nitrogen compound x, and $t_{(N)}$ and $t_{(N+1)}$ are the retention times of the acetylated reference compounds whose elution times bracket compound x. The value of I_N for 1-fluorophenol is assigned as 1, with equivalent values for 1-naphthol, 9-phenanthrol, and 3-hydroxybenzo[c]phenanthrene assigned as 2, 3, and 4, respectively. These values of I_N correspond to the number of aromatic rings present in each reference compound.

Although it is customary to use reference compounds with the same functionality as the compounds examined for calculation of retention indices, hydroxyaromatics were used here for two reasons. First, these same reference compounds were used to calculate a large body of retention indices reported earlier for trifluoroacetylated hydroxyaromatics and carboxylic acid esters (1,2). Use of the same reference compounds will allow a common basis of identification of members of each compound group present in a given sample. Secondly, 2-, 3-, and 4-ring trifluoroacetylated hydroxyaromatics are thermally stable at GC temperatures necessary for their elution, unlike the diamides of 3- and 4-ring aromatic amines, which typically are not thermally stable at those elution temperatures.

Relative Response Factors

Relative response factors (RRF) were calculated according to **Eq. 3.**

Eq. 3. $RRF = (A_X/A_S)(W_S/W_X)$

where A = area percent based on the GC/MS total ion current, W = weight, x = derivatized aromatic amine and s = derivatized standard (4-fluoroaniline).

Analysis of Fuel Fractions

Fuel samples were spiked with retention index markers, reacted as described above, and analyzed. Quantitation was via the area percent method.

RESULTS AND DISCUSSION

One hundred and three aromatic nitrogen compounds have been derivatized using TFAA. **Table 1** lists retention indices relative to the marker compounds 4-fluorophenol, 1-naphthol, 9-phenanthrol and 3-hydroxybenzo[c]phenanthrene and response factors determined relative to 4-fluoroaniline. The compounds are grouped into basic and acidic compounds within the table, with basic compounds further subdivided into primary, secondary, and tertiary amines. Within each group, compounds are listed first in order of increasing Z-series according to the empirical formula $C_nH_{(2n+Z)}N$ of each compound type, and secondly by increasing retention index. The mass spectrum of each derivatized compound, as well as a listing of intensities of all the fragment ions for each spectrum, appear in **Appendix A** in the same order that they appear in **Table 1.** The page number of each derivatized compound is also listed in **Table 1** for ease in locating individual spectra. A typical GC/MS TIC chromatogram of a blend of standard compounds after derivatization is shown in **Figure 1.** Compounds in this blend (identified with peak numbers in bold type) include: the primary aromatic amines 2-isopropyl aniline (**3**), 4-propyl aniline (**5**), 5-aminoindan (**7**), 2-aminobiphenyl (**11**), and 4-decylaniline (**13**); the secondary aromatic amines indoline (**8**) and 1,2,3,4-tetrahydroisoquinoline (**10**); the underivatized tertiary aromatic amine quinoline (**4**); and the secondary amine *t*-decahydroquinoline (**9**).

Derivatization Reproducibility

Replicate response factors from 6 runs on each blend typically varied less than ±10 percent. This precision reflects both instrumental and chemical derivatization errors. Variations between duplicate injections of the same derivatization product were similar to those from independently derivatized blends, so the contribution from the derivatization procedure itself to the overall error was small.

RRF standard deviations larger than 10 percent were usually caused by unusual behavior of a particular compound, and these cases are discussed further in the section below.

Optimizatior of Derivatization.

During development of the method, 4-dimethylaminopyridine (DMAP) was initially used as a catalyst, but 4-pyrrolidinopyridine (PPY) was found to provide more complete trifluoroacetylation of some compounds. An auxilary base such as triethylamine has been reported to speed up the second step of the reaction by neutralization of the acid formed (22). This behavior was examined by using catalytic amounts (1 drop) of 0.8 M DMAP solution and 1.0 ml of undiluted triethylamine to derivatize 2-aminonaphthalene. Neither amide product was obtained, and, in fact, several ring-acetylated products were formed instead. When 0.5 ml of 0.8M DMAP solution was used (serving as both catalyst and acid neutralizing agent), the diamide product was obtained. Other acid neutralizing agents were tried, including $NaBH_4$ and basic alumina, with similar unsuccessful results compared to the DMAP solution alone.

Reaction conditions were optimized using 2,6-diethylaniline, which is a sterically hindered primary amine. Catalyst and reagent concentrations and reaction time (10 minutes) were held constant and the reaction temperature was varied. At room temperature, 58 percent of the 2,6-diethylaniline was converted to the diamide derivative, with the balance in the monoamide form. At both 50 and 60° C, it was 100 percent converted to the diamide form.

The percent of each aromatic amine which reacted to form the expected derivative is shown in **Table 1**, column 6. Twenty-nine of the 39 primary aromatic amines were completely reacted to form diamides. Those cases of incomplete derivatization could be generally classified into two types. The first includes compounds where the relatively low acidity of the amine hydrogens makes their displacement difficult. For example, benzylamine is completely converted to the diamide form, but 2-methyl- and 4-methylbenzylamine show only 95 and 92 percent conversion, respectively. The hydrogens bound to the nitrogen in benzylamine probably exhibit the minimal acidity required for complete conversion; any structural change which decreases their acidity (ring alkylation at *o*- or *p*-positions, insertion of additional methylene groups as with 2-phenylethylamine) results in less than quantitative derivatization.

The second type of incomplete reaction involves higher-boiling primary amines, whose diamide derivatives appear to be unstable above a column elution temperature of about 200° C. Decylaniline and 4-aminobiphenyl are about 80 percent and 2-aminofluorene about 50 percent in the diamide form as they elute from the GC column. It is probable that these compounds react completely to form diamides, but partially revert to the monoamide form at their GC elution temperature. This reversion was found to be accelerated by even small amounts of catalyst co-injected with the sample into the GC column. For example, the recovery of 2-aminonaphthalene in the diamide form increased from 36 to 100 percent, when injected at freezer, rather than room temperatures. To insure complete precipitation of the catalyst from the reaction mixture, it is

essential that the sample be cooled in the freezer, as stated in the experimental section, and injected immediately after removal from the freezer.

The thermal stability of diamide derivatives was further investigated using microdistillation/mass spectrometry. The diamide derivative of n-hexadecylaniline was loaded into the probe which was interfaced to a Kratos MS-50 mass spectrometer with a source temperature of 200° C. The ratio of di- to monoamide form was determined by measuring the *m/z* 509/413 molecular ions, representing the di- and monoamide forms, respectively. At 100° C, the 509/413 ratio was 1.10, which is much greater than the ratio of di- to monoamide obtained by GC/MS at 300° C (0.057). The much greater proportion of diamide observed at the 200° C source temperature compared to the 300° C GC column temperature indicates substantial thermal degradation of this compound over the 200 - 300° C temperature range. The limited thermal stability of diamide derivatives restricts applicability of this analytical approach to compounds boiling below approximately 370° C (700° F).

It was initially hoped to avoid ring (carbon) acetylation of aromatic amines by using only mild reaction conditions; but, at room temperature, N,N-diethylaniline was completely converted to the mono-ring-acylated form, with 92 percent addition at the para- and 8 percent at the ortho-positions. However, no evidence of the addition of more than one trifluoroacetyl group to the ring was found even at reaction temperatures of 50 and 60° C., as long as the supernatant was analyzed within 4 hours storage at - 5° C. After 6 hours storage, evidence of multiple acetylations was observed. As a precaution, therefore, samples should be analyzed within 5 hours of derivatization.

The percentage of the ring-acylated N,N-dialkylaniline derivatives formed was quite reproducible, as shown by a variation of less than 10 percent in their response relative to an internal standard (**Table 1**). One other tertiary amine, 2,3-cyclopentenopyridine, appeared to add 2 trifluoroacetyl groups to the saturated ring. These compounds are not typical of tertiary amines found in processed petroleum streams, however. More typical tertiary amines such as 2,3-cyclohexenopyridine, octahydroacridine, quinoline and the other azaarenes did not form derivatives. However, it should be noted that the response of these compounds may be low due to partial co-precipitation with catalyst after reaction. This problem became severe with more basic azaarenes such as alkylpyridines.

The use of a polymer-bound catalyst, DMAP-polystyrene, was explored in an attempt to avoid the co-precipitation of any underivatized tertiary amines. A representative blend of aromatic amines was derivatized using DMAP-polystyrene as a catalyst, and reaction conditions of 60° F and 10 min reaction time. Some sample components in the mixture were incompletely reacted. However, the support-bound catalyst has been reported to require longer times and higher temperatures for complete reaction than those required using free DMAP as a catalyst (32).

The 3-position on pyrrole actively underwent carbon acetylation. Thus pyrrole, indole, and all of the alkylindoles except 3-methylindole formed both carbon- and nitrogen-acetylated derivatives. In contrast, carbazole and it's alkylhomologues formed only monoamides. Incomplete derivatization of the 1-methyl isomers of the dimethylcarbazoles was observed when a reaction time of 10 minutes was used. After 30 minutes, however, all the samples except the severely hindered 1,8-dimethylcarbazole were completely derivatized. This longer reaction time was used for derivatization of the remainder of the acidic compounds, as well as the LCO acid fractions described earlier.

Mass Spectral Fragmentation Patterns

Trifluoroacetyl derivatives of aromatic amines are easily recognized because of their increased mass, distinctive fragment ions, and shifts in GC retention time, relative to underivatized compounds. In addition, the fragment ions of many derivatized aromatic amines provide clues to their isomeric structure. The more prominent fragment ions of trifluoroacetyl aromatic amine derivatives are outlined in **Table 2,** and discussed below.

Characteristic $[M-69]^+$ and $[M-97]^+$ ions, corresponding to the loss of CF_3 and $COCF_3$ fragments, are present in mass spectra of almost all of the derivatives, but the $[M-97]^+$ ion is usually more prominent for amide derivatives, and $[M-69]^+$ more intense for carbon-acetylated compounds. The improvement in the identification of derivatives is illustrated by comparing the spectra of the 6 dimethylanilines (**Figure 2**) with those of their corresponding derivatives (**Figure 3**). Only minor differences are present between the underivatized spectra, with the spectra (**Figure 2b and e**) differing mainly in the height of the $[M-1]^+$ fragment. This is also true of the spectra in (**Figure 2a, c, and d**). Spectra of the 6 dimethylaniline derivatives (**Figure 3**) illustrate both the strong molecular ions (*m/z* 313) and distinctive mass fragmentation patterns of these derivatives, as well as the presence of fragment ions at $[M-69]^+$ (*m/z* 244) and $[M-97]^+$ (*m/z* 216). (For convenience, these, as well as spectra shown in the other figures illustrate only the 20 most important fragment ions.)

There are enough individual differences in the spectra in **Figure 3** to distinguish the 6 isomers. All 4 dimethylanilines methylated at the 2-position show a prominent fragment at *m/z* 216. Both the 2,3- and 2,5-isomers have a 216 fragment larger than the 313 molecular ion, allowing their differentiation from the 2,4- and 2,6-isomers, which do not. The 2,4- and 2,6-isomers also exhibit a fragment at *m/z* 200, corresponding to loss of trifluoroacetate $[M-113]^+$. In addition, all 2-substituted isomers except the 2,6- show a small $[M-18]^+$ fragment, corresponding to $[M-H_2O]^+$. Although this fragment is not among the 20 largest ions, it is included in the spectral graphs in **Figure 3** for information purposes. Finally, the 3-substituted compounds can be identified by the weak intensity of their *m/z* 216 fragment (nearly absent in the 3,4- isomer) and

intense 147 $[M\text{-}C(O)CF_3\text{-}CF_3]^+$ fragments. The 3,5- versus 3,4-isomers differ from one another by the relative intensities of the *m/z* 216 and 270 (not shown) fragments.

Table 2 summarizes significant features of mass spectra for various types of derivatives. For example, *o*-, *m*-, and *p*-substituted aniline derivatives (I - III) may be differentiated by molecular ion intensity (generally *m*->*p*->*o*-), intensity of the fragments corresponding to: loss of $C(O)CF_3$ (generally *o*->*p*->*m*-), loss of H_20 (*o*- only), benzylic cleavage (intense for *p*- only), and loss of CH_2F (branched *o*- only). The exchange of fluorene for hydrogen followed by elimination of CH_2F is also characteristic of trifluoroacetates of branched chain *o*-substituted phenols (2). Monotrifluoroacetylated N-alkylanilines (IV) eliminate the olefin corresponding to the N-alkyl substituent when it contains 2 or more carbons. If the N-alkyl substituent is CH_3- or phenyl-, other fragmentation pathways predominate, as noted in the table.

The fragmentation of benzylamine-type derivatives (V-VII) is distinctly different than that of the aniline derivatives discussed above. In these spectra, hydrocarbon fragments corresponding to tropylium (*m/z* 91), styrene (*m/z* 104), etc. often predominate. In the case of type IV, a molecular ion is not observed (e.g. the diamide of 2-phenylethylamine). Carbon acylated derivatives of N,N-dialkylanilines (VIII) exhibit major fragments corresponding to the loss of CF_3 (*m/z* 69), unlike N-trifluoroacetyl derivatives where loss of $C(O)CF_3$ usually predominates. Loss of $C(O)CF_3$, followed by additional loss of CF_3 ($[M\text{-}166]^+$), is often a major fragment in polycyclic amine derivatives (IX). Polycyclic amine spectra are usually dominated by intense molecular ions (with the exception of the 2-aminophenyl derivative), the $[M\text{-}166]^+$ ion, and ions characteristic of the aromatic nucleus: *m/z* 115 (naphthalene), *m/z* 165 (fluorene), and *m/z 152* (biphenyl).

An unusual aspect of derivatives with six-membered saturated cyclic rings is the virtual absence of fragments corresponding to retro-Diels-Alder eliminations ($[M\text{-}C_2H_4]^+$, $[M\text{-}C_3H_6]^+$, etc.). This behavior is contrasted with that of trifluoroacetate derivatives of tetralinol, cyclohexylphenol, etc. which exhibit significant retro-Diels-Alder fragments (2). Although insufficient data is available to reach a general conclusion, the relative intensities of the $[M\text{-}112]^+$ versus $[M\text{-}87]^+$ fragments may enable differentiation of compounds with 6- vs 5-member saturated rings.

Pyrrole and indole N,3-di-derivatives (XI) exhibit prominent $[M\text{-}69]^+$ (loss of CF_3) fragments. The intensity of the $[M\text{-}97]^+$ (loss of $C(O)CF_3$) ion is usually quite low. $[M\text{-}166]^+$ (corresponding to loss of $C(O)CF_3$ and CF_3) and $[M\text{-}194]^+$ fragments (loss of both trifluoroacetyl groups) are usually of medium intensity (30 - 70 percent relative intensity).

In the cases where simple trifluoroacetamides were formed, the spectra of 3-substituted indoles resembled those of carbazole derivatives (XII), where the major fragment corresponded to loss of $C(O)CF_3$. Prominent molecular ions were typically observed, although those of 1-alkylcarbazoles were of lower intensity than isomers without 1-alkyl substituents. The behavior of

2,3-dimethylindole and 1,2,3,4-tetrahydrocarbazole derivatives was exceptional due to introduction of a second trifluoroacetyl group on one of the alkyl carbons. The resulting spectra exhibited small molecular ions and significantly different fragmentation patterns.

Trifluoroacetamides of saturated cyclic secondary amines (XIII) exhibited medium intensity molecular ions and predominantly hydrocarbon-type fragments. The major fragment in the decahydroquinoline derivative was $[M-43]^+$; dodecahydrocarbazole trifluoroacetamide exhibited major fragments corresponding to $[M-43]^+$ and $[M-57]^+$.

The advantage of derivatization in distinguishing primary, secondary, and tertiary amines is illustrated by the compounds in **Figure 4**. These compounds, all with the same mass (133) before derivatization, are potentially formed as intermediates during HDN of quinoline, isoquinoline and high molecular weight N-compounds. The tertiary amine 2,3-cyclohexenopyridine (**Figure 4a**) does not form a derivative, 1,2,3,4-tetrahydroquinoline and 1,2,3,4-tetrahydroisoquinoline (**Figures 4b and c**) form monoamides, and 5-aminoindan (**Figure 4d**) forms a diamide. The two monoamines can be easily differentiated by a fragment at $[M-15]^+$, present in the spectrum of (**Figure 4c**), but absent in (**Figure 4b**). The diamide (**Figure 4d**) exhibits a molecular ion at *m/z* 325, 96 mass units higher than that of (**Figures 4b** and **c**) and 192 units higher than (**Figure 4a**).

As noted earlier, all indoles except those substituted at the 3-position, form N,3-di-trifluoroacetyl derivatives. **Figure 5** compares spectra of two typical derivatives, those of 5-methylindole and 2,5-dimethylindole (**Figure 5a and b**, respectively) with 3-methylindole (**Figure 5c**), which forms only the trifluoroacetamide (mol. wt. 227). The derivative of 2,3-dimethylindole (**Figure 5d**) displays atypical behavior in the incorporation of a trifluoroacetyl group onto one of it's methyl groups, in addition to the nitrogen atom. The ability to differentiate 3-alkyl from other indole types is advantageous for studies of fuel stability, since 3-alkylindoles are relatively inert with regard to sediment formation (5).

Application of the Method.

Figure 6 shows GC/MS total ion current (TIC) chromatograms of an SRC II coal liquid 200-325° C distillate base subfraction before and after derivatization. Results from detailed interpretation of the derivatized run are listed in **Table 3.**

The improved resolution of isomers within a given homologous series is evident from comparison of the chromatograms in **Figure 6**. For example, all three C_1-aniline isomers are evident after derivatization, where only two peaks appear prior to derivatization. Before derivatization the aniline homologs elute more or less in "clumps" of peaks (C_1-, C_2 -, C_3- and C_4-). Derivatization spreads the isomers within each "clump" to such a degree that the "clumps" are no longer discernable.

Differentiation of aminoindans/aminotetralins from 1,2,3,4-tetrahydroquinolines was not possible in the underivatized sample because of their identical molecular weight and very similar mass spectra. However, these compound types are readily differentiated in the chromatogram of the derivatized fraction because of spectral differences analogous to those discussed in conjunction with **Figure 4**.

This subfraction was one of seven produced from a liquid chromatographic scheme based on isolation of whole bases, followed by subfractionation into compound classes (see **Appendix B**). The targeted compound class for this subfraction was primary aromatic amines. As evident in **Table 4**, that compound type predominates in the fraction. The other major types present, 1,2,3,4-tetrahydroquinoline and its homologs, are analogous to those of N-alkyl anilines, which also elute into this subfraction. Small amounts of phenylcyclohexylamines, which form monoamides, were also detected. The presence of 2,5-dimethylaniline as the single largest component is inconsistent with previously published HDN schemes (33). However, *n*-propylaniline (0.077 wt. percent) is a major intermediate in the HDN of quinoline (21).

Figure 7 shows GC/MS TIC chromatograms of a light cycle oil (LCO) acid subfraction before and after derivatization. Results from detailed interpretation of the derivatized run are shown in **Table 5**. GC resolution of isomeric indoles was improved significantly through derivatization, although resolution of carbazoles was only marginally improved. As with the anilines in the base subfraction discussed above, underivatized indoles elute as "clumps" prior to derivatization; this pattern is not evident after derivatization. The greater effect of derivatization on GC behavior of alkylindoles compared to carbazoles is consistent with the addition of two trifluoracetyl groups in the former and one in the latter case.

It is interesting to note that the most prominent isomers in both the indoles and carbazoles from this sample are substituted in similar positions. Since indoles have a different numbering system than carbazoles, with the 1- position in indoles occupied by the nitrogen atom, the 2- and 2,4-methylindoles are equivalent to the 1- and 1,3-methylcarbazoles in the location of the methyl groups relative to the nitrogen atom.

The preponderance of 1-substituted carbazole isomers found in this sample reflect similar results to those of Li, et al, who report that 1-substituted isomers of alkylcarbazoles were the most abundant in a suite of crudes and heavy oils (34). In contrast, they reported shale oils were deficient in the 1-substituted isomers, whose presence has been suggested to increase with thermal maturation and migration in fossil fuels. Li, et al. also report the presence of the 1,8-dimethylcarbazole isomer in a California crude oil, but this isomer was not detected in the LCO sample. LCO is a man-made product with a composition reflecting thermodynamic equilibrium and

kinetic factors operating at the particular catalytic cracking conditions employed. Thus, the distribution of carbazole isomers in LCO could vary significantly from those in virgin crude distillates.

This subfraction was one of seven produced from a liquid chromatographic scheme based on isolation of whole acids followed by subfractionation into compound classes (see **Appendix B**). The targeted compound class for this subfraction was benzologs of pyrrole. As evident from **Table 5** , this class comprises the vast majority of species present. The significant proportion of indoles present in this LCO may explain its poor storage stability.

CONCLUSIONS

Exhaustive trifluoroacetylation was used to form di-trifluoroacetyl derivatives of 39 primary amines. The procedure allowed the successful differentiation of primary, secondary, and tertiary amines via GC/MS. As far as the authors know, this is the first reported use of di-trifluoroacetamides for this purpose.

The two major limitations of the current procedure are 1) loss of relatively basic tertiary amines via coprecipitation with the catalyst and 2) limited thermal stability of diamide derivatives boiling above 370° C. The first limitation may potentially be overcome with substitution of a polymer-bound catalyst. This would eliminate removal of catalyst via addition of hexane and chilling after reaction; thus partial loss of tertiary amines would be significantly decreased. The thermal stability of derivatives could potentially be improved through use of alternate derivatizing agents. A reagent which resulted in a cyclic diamide would probably provide derivatives with significantly enhanced thermal stability.

The procedure was applied to subfractions from an SRCII coal liquid distillate base fraction and a LCO acidic fraction. The resolution of derivatized anilines within a given homologous series was significantly improved, relative to the underivatized compounds, and it was possible to differentiate aminoindans/aminotetralins from 1,2,3,4-tetrahydroquinolines. The procedure also allowed improved differentiation of 3-alkylindoles from alkylindoles substituted at other positions.

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Table 1. - GC Retention Indices and MS Response Factors of Trifluoroacetylated Nitrogen Compounds

Append. A Page#	Z-series	MW	Compound Name Before Derivatization	Deriv. MW	% React	Lib.# (1)	GC Retention Index Ix	±s	Relative Response Factor RRF	±s	%s
			BASIC PRIMARY AROMATIC AMINES (2)								
A-1	-5(N)	111	4-fluoroaniline	303	100	291	125.65	0.07	1.00	-	-
A-4	-5(N)	93	aniline	285	100	287	130.16	0.06	1.29	0.07	5.2
A-7	-5(N)	107	2-methylaniline	299	100	288	142.16	0.04	1.16	0.11	9.5
A-10	-5(N)	107	3-methylaniline	299	100	289	146.64	0.05	1.15	0.01	9.0
A-13	-5(N)	107	4-methylaniline	299	100	290	150.50	0.02	1.05	0.07	6.8
A-16	-5(N)	107	benzylamine	299	100	304	152.73	0.04	0.99	0.06	6.3
A-19	-5(N)	121	2,6-dimethylaniline	313	100	292	156.32	0.06	1.10	0.05	4.9
A-22	-5(N)	121	2-ethylaniline	313	100	305	158.18	0.04	1.03	0.05	4.8
A-25	-5(N)	121	2,5-dimethylaniline	313	100	300	158.46	0.06	1.03	0.05	5.2
A-28	-5(N)	121	1-phenylethylamine	313	100	446	161.24	0.04	0.73	0.03	4.6
A-31	-5(N)	121	3-ethylaniline	313	100	451	162.52	0.08	1.13	0.02	2.0
A-34	-5(N)	121	3,5-dimethylaniline	313	100	306	162.66	0.03	1.04	0.05	5.1
A-37	-5(N)	121	2,4-dimethylaniline	313	100	293	162.78	0.04	1.14	0.05	0.5
A-40	-5(N)	121	2-isopropylaniline	313	100	312	165.44	0.04	1.01	0.02	2.1
A-44	-5(N)	121	2,3-dimethylaniline	313	100	294	165.51	0.07	1.06	0.05	4.6
A-47	-5(N)	121	4-ethylaniline	313	100	295	168.24	0.07	1.05	0.04	3.7
A-50	-5(N)	121	3-methylbenzylamine	313	100	440	168.72	0.03	0.99	-	-
A-52	-5(N)	121	3,4-dimethylaniline	313	100	296	172.33	0.07	1.00	0.05	4.8
A-55	-5(N)	121	4-methylbenzylamine	313	92	301	172.84	0.11	(3)	(3)	(3)
A-58	-5(N)	121	2-methylbenzylamine	313	95	313	173.09	0.04	(3)	(3)	(3)
A-61	-5(N)	121	2-phenylethylamine	313	93	321	173.26	0.04	(3)	(3)	(3)
A-64	-5(N)	135	2-propylaniline	327	100	309	173.48	0.04	0.92	0.05	5.2
A-68	-5(N)	135	2,4,6-trimethylaniline	327	100	297	176.29	0.04	1.07	0.06	5.8
A-71	-5(N)	135	2,4,5-trimethylaniline	327	100	323	183.29	0.05	1.01	0.03	2.6
A-74	-5(N)	135	4-n-propylaniline	327	100	314	185.61	0.03	1.08	0.03	2.7

(1) Library number in NIPER GC/MS data base.

(2) Diamides, except as noted.

(3) RRF are not meaningful because of incomplete reaction.

Table 1. - GC Retention Indices and MS Response Factors of Trifluoroacetylated Nitrogen Compounds

Append. A Page#	Z-series	MW	Compound Name Before Derivatization	Deriv. MW	% React.	Lib.# (1)	GC Retention Index Ix	GC Retention Index ±s	Relative Response Factor RRF	Relative Response Factor ±s	Relative Response Factor %s
			BASIC PRIMARY AROMATIC AMINES (2) (continued)								
A-78	-5(N)	177	2,6-diisopropylaniline	369	100	310	201.02	0.07	0.98	0.07	7.0
A-82	-5(N)	149	4-n-butylaniline	341	100	298	204.48	0.04	0.83	0.04	5.3
A-86	-5(N)	177	4-n-hexylaniline	369	95	454	241.37	0.02	(3)	(3)	(3)
A-89	-5(N)	191	4-n-heptylaniline	383	94	445	258.45	0.04	(3)	(3)	(3)
A-92	-5(N)	205	4-n-octylaniline	397	93	335	274.83	0.01	3)	(3)	(3)
A-95	-5(N)	219	4-n-nonylaniline	411	91	330	289.84	0.03	(3)	(3)	(3)
A-98	-5(N)	233	4-n-decylaniline	425	75	320	305.75	0.07	(3)	(3)	(3)
A-102	-7(N)	133	5-aminoindan	325	100	315	202.02	0.04	0.89	0.05	5.1
A-105	-7(N)	147	1-amino-5,6,7,8-tetrahydro-naphthalene	339	100	325	213.38	0.04	0.95	0.02	2.2
A-109	-11(N)	143	1-aminonaphthalene	335	100	463	217.15	0.04	0.68	0.03	5.8
A-112	-11(N)	143	2-aminonaphthalene	335	100	467	225.86	0.02	0.89	0.02	2.3
A-115	-13(N)	169	2-aminobiphenyl	361	100	319	233.33	0.04	1.03	0.11	10.9
A-118	-13(N)	169	4-aminobiphenyl	361	87	339	261.10	0.03	(3)	(3)	(3)
A-121	-15(N)	181	1-aminofluorene	373	100	444	278.52	0.02	0.34	0.08	23.6
A-124	-15(N)	181	2-aminofluorene	373	51	491	293.14	0.09	(3)	(3)	(3)

(1) library number in NIPER GC/MS data base.

(2) Diamides, except as noted.

(3) RRF are not meaningful because of incomplete reaction.

Table 1. - GC Retention Indices and MS Response Factors of Trifluoroacetylated Nitrogen Compounds

Append. A Page#	Z-series	MW	Compound Name Before Derivatization	Deriv. MW	% React.	Lib.# (1)	GC Retention Index Ix	±s	Relative Response Factor RRF	±s	%s
			BASIC SECONDARY AROMATIC AMINES (4)								
A-126	-5(N)	107	N-methylaniline	203	100	460	158.56	0.05	0.90	0.06	6.2
A-128	-5(N)	121	N-ethylaniline	217	100	307	171.90	0.03	0.96	0.04	4.4
A-131	-5(N)	121	N,2-dimethylaniline	217	100	441	172.80	0.05	0.96	0.02	2.1
A-134	-5(N)	121	N,3-dimethylaniline	217	100	447	177.20	0.07	0.82	0.03	4.1
A-137	-5(N)	121	N,4-dimethylaniline	217	100	452	180.44	0.05	0.87	0.06	6.4
A-140	-5(N)	121	N-benzylmethylamine	217	100	461	185.20	0.03	0.95	0.06	6.9
A-142	-5(N)	135	N-propylaniline	231	100	448	189.22	0.09	1.04	0.04	3.4
A-145	-5(N)	149	N-n-butylaniline	245	100	302	207.53	0.02	1.03	0.06	5.9
A-148	-7(N)	119	indoline	215	100	316	210.31	0.06	0.80	0.07	8.8
A-151	-7(N)	133	1,2,3,4-tetrahydroquinoline	229	100	303	219.70	0.04	0.97	0.08	8.2
A-154	-7(N)	133	1,2,3,4-tetrahydroisoquinoline	229	100	318	227.96	0.07	0.93	0.02	2.5
A-157	-7(N)	175	N-phenylcyclohexylamine	271	100	449	259.53	0.05	1.17	0.04	3.1
A-160	-13(N)	169	diphenylamine	265	100	326	254.43	0.04	1.01	0.05	5.1
			BASIC TERTIARY AROMATIC AMINES								
A-163	-5(N)	135	N,N-dimethylbenzylamine	-	0	299	147.77	0.88	0.59	0.16	27.7
A-165	-5(N)	121	N,N-dimethylaniline, paraderivative (5)	217	90	311	229.71	0.07	0.80	0.04	4.8
A-168	-5(N)	149	N,N-diethylaniline, paraderivative (5)	245	96	327	255.67	0.05	1.01	0.09	9.1

(1) Library number in NIPER GC/MS data base.

(4) Monoamides, except as noted.

(5) Both nitrogen and carbon acylation.

Table 1. - GC Retention Indices and MS Response Factors of Trifluoroacetylated Nitrogen Compounds

Append. A Page#	Z-series	MW	Compound Name Before Derivatization	Deriv. MW	% React.	Lib.# (1)	GC Retention Index Ix	±s	Relative Response Factor RRF	±s	%s
			BASIC TERTIARY AROMATIC AMINES (continued)								
A-171	-7(N)	133	2,3-cyclohexenopyridine	-	0	322	178.42	0.09	0.53	0.02	4.4
A-173	-7(N)	119	2,3-cyclopentenopyridine (6)	311	100	324	212.67	0.06	0.81	0.05	6.5
A-176	-9(N)	187	octahydroacridine	-	0	336	276.18	0.01	1.19	0.03	2.4
A-179	-11(N)	129	quinoline	-	0	313	180.89	0.07	0.73	0.18	24.7
A-181	-11(N)	143	2-methylquinoline	-	0	485	196.41	0.18	0.99	0.11	11.5
A-183	-11(N)	157	2,6-dimethylquinoline	-	0	486	219.66	0.14	1.16	0.04	3.6
A-185	-17(N)	179	benzo[h]quinoline	-	0	488	287.82	0.04	1.14	0.03	2.8
A-187	-17(N)	179	phenanthridine	-	0	489	293.33	0.09	1.10	0.03	3.0
			BASIC SECONDARY AMINES (4)								
A-189	-1(N)	139	t-decahydroquinoline	235	100	317	214.42	0.04	1.15	0.06	5.2
A-192	-3(N)	179	dodecahydrocarbazole	275	100	471	272.6	0.03	1.16	0.02	2.0
			ACIDIC SECONDARY AROMATIC AMINES (4)								
A-195	-3(N)	67	pyrrole (5)	259	100	459	104.84	0.05	1.13	0.02	1.5

(1) Library number in NIPER GC/MS data base.

(4) Monoamides, except as noted.

(5) Both nitrogen and carbon acylation.

(6) Carbon acylation only.

Table 1. - GC Retention Indices and MS Response Factors of Trifluoroacetylated Nitrogen Compounds

Append. A Page#	Z-series	MW	Compound Name Before Derivatization	Deriv. MW	% React.	Lib.# (1)	GC Retention Index Ix	±s	Relative Response Factor RRF	±s	%s
			ACIDIC SECONDARY AROMATIC AMINES (4) (continued)								
A-197	-9(N)	117	indole	309	92	470	192.94	0.05	0.89	0.03	2.8
A-200	-9(N)	131	3-methylindole	227	100	442	201.83	0.04	0.53	0.06	11.9
A-202	-9(N)	145	2,3-dimethylindole	337	100	469	208.78	0.03	0.56	0.01	1.6
A-205	-9(N)	131	7-methylindole (5)	323	100	464	210.61	0.03	1.06	0.04	3.5
A-208	-9(N)	131	4-methylindole (5)	323	100	462	212.54	0.04	0.78	0.07	9.5
A-211	-9(N)	131	6-methylindole (5)	323	100	493	213.82	0.04	0.28	0.04	14.2
A-213	-9(N)	131	2-methylindole (5)	323	100	453	214.28	0.04	0.87	0.06	6.5
A-216	-9(N)	131	5-methylindole	323	100	468	214.43	0.07	0.98	0.06	6.5
A-219	-9(N)	131	2,7-dimethylindole (5)	337	100	490	229.30	0.06	0.78	0.30	38.5
A-222	-9(N)	145	2,5-dimethylindole (5)	337	100	482	232.04	0.02	0.67	0.01	0.5
A-224	-9(N)	131	1-methylindole (6)	227	100	333	254.47	0.03	1.02	0.03	2.8
A-227	-11(N)	171	1,2,3,4-tetrahydrocarbazole (5)	363	65	465	275.85	0.03	(3)	(3)	(3)
A-230	-11(N)	171	1,2,3,4-tetrahydrocarbazole	267	35	466	280.44	0.04	(3)	(3)	(3)
A-233	-15(N)	167	carbazole	263	100	494	279.84	0.06	0.78	0.03	3.5
A-235	-15(N)	181	1-methylcarbazole	277	100	504	284.75	0.04	0.25	0.02	7.0
A-237	-15(N)	195	1,8-dimethylcarbazole	291	7	501	288.81	-	(3)	(3)	(3)
A-239	-15(N)	181	N-methylcarbazole	-	0	481	293.18	0.03	-	-	-
A-241	-15(N)	181	2-methylcarbazole	277	100	483	295.90	<0.01	0.62	0.01	1.7
A-243	-15(N)	181	3-methylcarbazole	277	100	505	299.34	0.05	0.55	0.01	1.5
A-245	-15(N)	195	1,7-dimethylcarbazole	291	100	503	300.00	<0.01	0.45	0.04	9.3

(1) Library number in NIPER GC/MS data base.

(3) RRF are not meaningful because of incomplete reaction

(4) monoamides, except as noted

(5) both nitrogen and carbon acylation

(6) Carbon acylation only.

Table 1. - GC Retention Indices and MS Response Factors of Trifluoroacetylated Nitrogen Compounds

Append. A Page#	Z-series	MW	Compound Name Before Derivatization	Deriv. MW	% React.	Lib.# (1)	GC Retention Index Ix	±s	Relative Response Factor RRF	±s	%s
			ACIDIC SECONDARY AROMATIC AMINES (4) (continued)								
A-247	-15(N)	181	4-methylcarbazole	277	100	507	301.12	0.03	0.60	<0.01	0.2
A-249	-15(N)	195	1,3-dimethylcarbazole	291	100	503	303.42	<0.01	0.32	<0.01	1.2
A-251	-15(N)	195	1,6-dimethylcarbazole	291	100	509	304.14	0.11	0.31	0.01	3.0
A-253	-15(N)	195	1,4-dimethylcarbazole	291	100	500	304.80	<0.01	0.29	0.01	5.1
A-255	-15(N)	195	1,5-dimethylcarbazole	291	100	510	305.35	<.01	0.46	0.02	3.7
A-258	-15(N)	195	1,2-dimethylcarbazole	291	100	506	307.54	0.02	0.68	0.02	3.4
A-261	-15(N)	195	2,7-dimethylcarbazole	291	100	520	312.42	<0.01	0.63	0.08	12.0
A-264	-15(N)	195	2,6-dimethylcarbazole	291	100	512	316.69	0.08	0.64	0.05	0.7
A-266	-15(N)	195	2,4-dimethylcarbazole	291	100	514	317.39	0.03	0.49	<0.01	1.4
A-268	-15(N)	195	2,5-dimethylcarbazole	291	100	515	318.36	<0.01	0.91	0.02	2.0
A-271	-15(N)	195	1,8-dimethylcarbazole (7)	-	0	502	319.44	-	(3)	(3)	(3)
A-274	-15(N)	195	3,6-dimethylcarbazole	291	100	516	320.47	0.07	0.61	0.02	2.6
A-276	-15(N)	195	3,5-dimethylcarbazole	291	100	517	320.72	0.13	0.84	0.02	1.8
A-279	-15(N)	195	4,5-dimethylcarbazole	291	100	518	320.87	0.01	0.68	<0.01	0.1
A-281	-15(N)	195	2,3-dimethylcarbazole	291	100	513	322.71	0.03	0.60	0.03	5.0
A-283	-15(N)	195	3,4-dimethylcarbazole	291	100	519	328.90	0.05	0.62	0.03	4.9

(1) library number in NIPER GC/MS data base.

(3) RRF are not meaningful because of incomplete reaction

(4) monoamides, except as noted

(7) compound before derivatization

Table 2.- Mass Spectral Fragmentation for Various Types of Derivatives

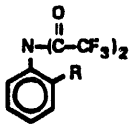
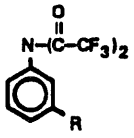
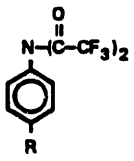
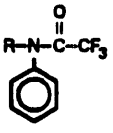
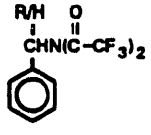
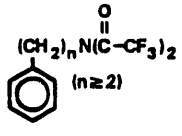
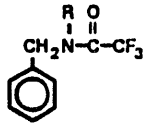
Type	Structure	Characteristic Fragments	*m/z*	Notes
I		$[M-H_2O]^+$ $[M-C(O)CF_3]^+$ $[M-C(O)CF_3, CF_3]^+$	$[M-18]^+$ $[M-97]^+$ $[M-166]^+$	loss of water indicates *o*-substituent
	(If R has *α*-branch)	$[M-CH_2F]^+$	$[M-33]^+$	F-H exchange
II		$[M-C(O)CF_3, CF_3]^+$	$[M-166]^+$	strong M^+
III		$[M-CH_3]^+$, $[M-C_2H_5]^+$, etc. ($R \geq C_2H_5$) $[M-C(O)CF_3, CF_3]^+$	$[M-15]^+$, $[M-29]^+$, etc. $[M-166]^+$	Benzylic cleavage prominent only for *p*-substituted anilines
IV		$C_7H_7F^+$ (R = CH_3) $[M-NCOCF_2H]^+$ (R = Phenyl) $[M-C_2H_4]^+$, $[M-C_3H_6]^+$, etc. ($R \geq C_2H_5$) $[M-CH_3]^+$, $[M-C_2H_5]^+$, etc. ($R \geq C_2H_5$) $[M-C_6H_{10}]^+$ (R = Cyclohexane) $[M-C(O)CF_3]^+$	110 $[M-93]^+$ $[M-28]^+$, $[M-42]^+$, etc. $[M-15]^+$, $[M-29]^+$, etc. $[M-82]^+$ $[M-97]^+$	olefin elimination alpha cleavage cyclohexene elimination
V		$[M-C(O)CF_3]^+$ $C_7H_7^+$ (R = H), $C_8H_9^+$ (R = CH_3), etc. $NCOCF_2H$	$[M-97]^+$ 91, 105, etc. 93	$[M-167]^+$ also observed
VI		$C_7H_7^+$, $C_8H_9^+$, etc. $C_8H_8^+$ (n = 2)	91, 105, etc. 104	no M^+, no $[M-97]^+$, no $[M-69]^+$
VII		$[M-R]^+$ $C_7H_7^+$	$[M-15]^+$, $[M-29]^+$, etc. 91	strong tropylium ion
VIII		$[M-R]^+$ $[M-CF_3]^+$	$[M-15]^+$, $[M-29]^+$, etc. $[M-69]^+$	

Table 2.- Mass Spectral Fragmentation for Various Types of Derivatives -- continued

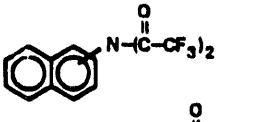
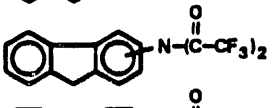
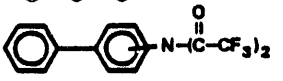
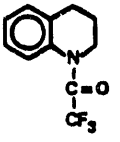
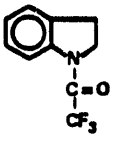
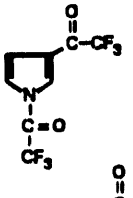
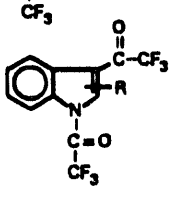
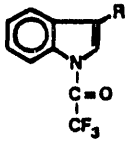
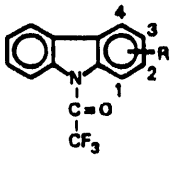
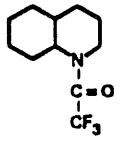
Type	Structure	Characteristic Fragments	*m/z*	Notes
IX		$[M-C(O)CF_3, CF_3]^+$ $[M-C(O)CF_3]^+$	$[M-166]^+$ $[M-97]^+$	
				usually, strong M^+
		$[M-HOC(O)CF_3]^+$ (where N = 2 position)	$[M-114]^+$	strong
X		$[M-C(O)CF_3]^+$ $[M-CF_3]^+$ $[M-HNC(O)CF_3]^+$ $[M-CF_3, H_2O]^+$	$[M-97]^+$ $[M-69]^+$ $[M-112]^+$ $[M-87]^+$	6-member sat'd ring 5-member sat'd ring
				
XI		$[M-CF_3]^+$ $[M-C(O)CF_3, CF_3]^+$ $[M-2(C(O)CF_3)]^+$	$[M-69]^+$ $[M-166]^+$ $[M-194]^+$	
				
XII		$[M-C(O)CF_3]^+$ $[M-CH_3]^+$, $[M-C_2H_5]^+$, etc.	$[M-97]^+$ $[M-15]^+$, $[M-29]^+$, etc.	benzylic cleavage M^+ of 1-substituted carbazoles are weaker
				
XIII		$[M-C_3H_7]^+$, $[M-C_4H_9]^+$	$[M-43]^+$, $[M-51]^+$	$[M-CF_3]^+$, $[M-C(O)CF_3]^+$, etc. are very weak

Table 3. - Compounds Detected in a Basic Subfraction of a Hydrotreated SRCII 200 - 325° C Fraction

Compound Class	Percent of Base Fraction		Percent of Total Sample	
ANILINES				
C1: 3 isomers		0.39		0.05
2-methyl	0.25		0.04	
3-methyl	0.12		0.02	
4-methyl	0.01		0.00	
C2: 6 isomers		3.09		0.44
2,6-dimethyl	0.18		0.03	
2,5-dimethyl	1.20		0.17	
2-ethyl	0.75		0.11	
2,4-dimethyl	0.47		0.07	
3-ethyl	0.30		0.04	
4-ethyl	0.02		0.00	
2,3-dimethyl	0.16		0.02	
C3: 13 isomers		2.24		0.32
2-n-propyl	0.55		0.08	
2,4,6-trimethyl	0.08		0.01	
other isomers	1.62		0.23	
C4: 18 isomers		1.80		0.25
C5: 11 isomers		0.72		0.10
C6: 8 isomers		0.25		0.04
AMINOINDANS/AMINOTETRALINS				
C0: 1 isomer		0.27		0.04
4-aminoindan (1)	0.27		0.04	
C1/C0: 5 isomers		0.74		0.10
1-aminotetralin	0.26		0.04	
other isomers	0.48		0.07	
C2/C1: 5 isomers		0.22		0.03
C3/C2: 1 isomer		0.02		0.00
1,2,3,4-TETRAHYDROQUINOLINES				
C0		0.68		0.10
C1: 5 isomers		0.67		0.09
C2: 6 isomers		1.37		0.19
C3: 5 isomers		0.13		0.02
C4: 8 isomers		0.16		0.02
C5: 4 isomers		0.08		0.01
OTHER COMPOUNDS		0.71		0.10
Total		13.52		1.91

(1) tenative identification

Table 4. - Compounds Detected in an Acidic Subfraction of a Light Cycle Oil

Compound Class	Percent of Acid Fraction		Percent of Total Sample	
INDOLES				
C0: indole		0.22		0.00
C1: 5 isomers		4.46		0.06
3-methyl	0.50		0.01	
7-methyl	0.83		0.01	
4-methyl	1.24		0.02	
2-methyl	1.69		0.02	
5-methyl	0.20		0.00	
C2: 11 isomers		9.91		0.13
2,3-dimethyl	0.81		0.01	
2,7-dimethyl	2.08		0.03	
2,5-dimethyl	1.34		0.02	
other isomers	4.51		0.06	
C3: 14 isomers		6.72		0.09
C4: 10 isomers		1.54		0.02
C5: 2 isomers		0.02		0.00
CARBAZOLES				
C0: carbazole		5.86		0.08
C1: 4 isomers		25.46		0.33
1-methylcarbazole	8.27		0.11	
2-methylcarbazole	5.57		0.07	
3-methylcarbazole	7.23		0.09	
4-methylcarbazole	4.39		0.06	
C2: 17 isomers		12.46		0.16
1,7-dimethylcarbazole	0.97		0.01	
1,3-dimethylcarbazole	3.12		0.04	
1,4/1,6-dimethylcarbazole	0.07		0.00	
1,5-dimethylcarbazole	2.10		0.03	
1,2-dimethylcarbazole	0.02		0.00	
2,5-dimethylcarbazole	0.98		0.01	
other isomers	5.20		0.07	
C3: 21 isomers		3.61		0.05
C4: 5 isomers		0.07		0.00
OTHER COMPOUNDS		2.77		0.04
Total		73.10		0.95

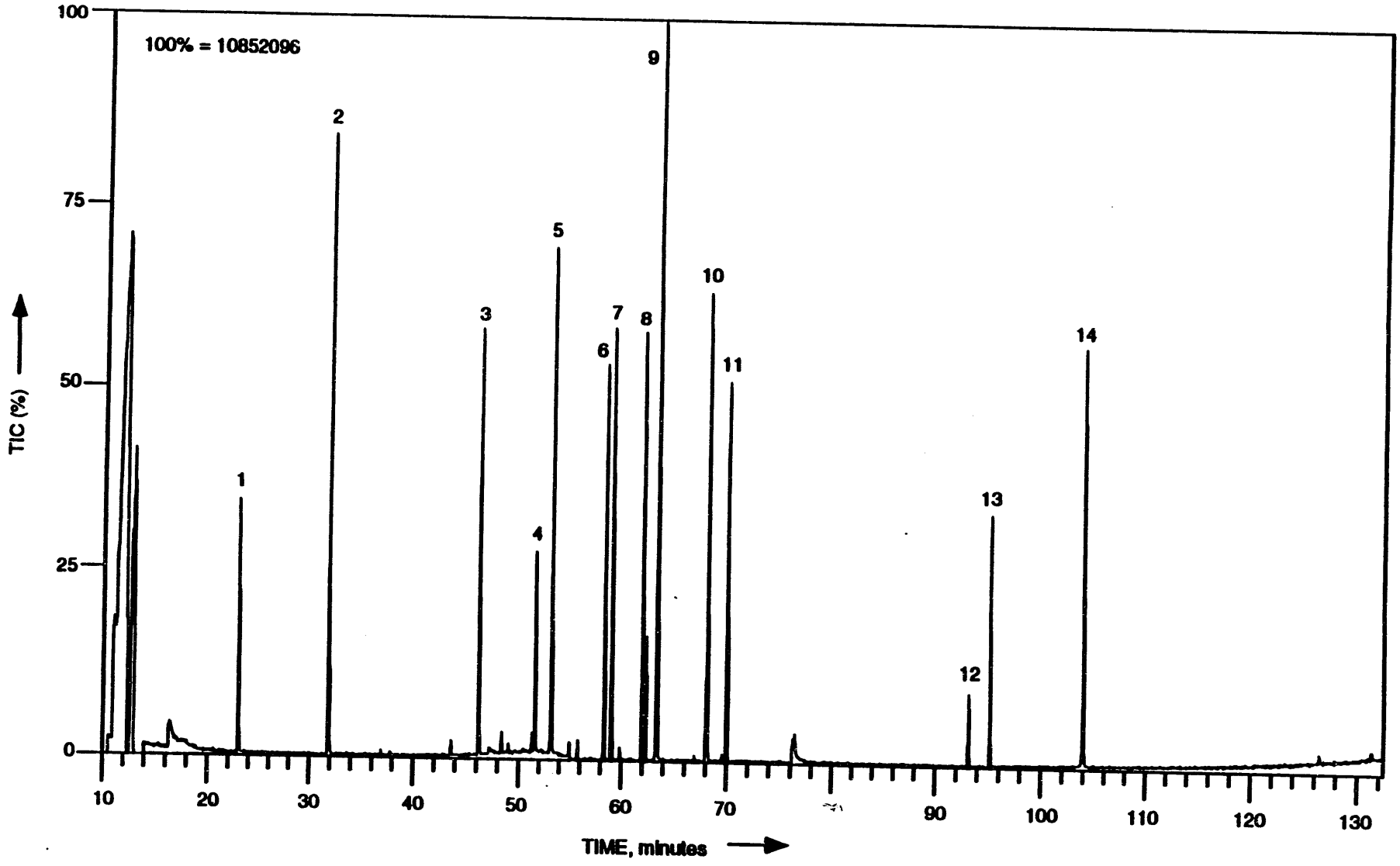


Figure 1. Total ion current chromatogram of typical blend derivatized with trifluoroacetic anhydride. Compound names before derivatization: 1) 4-fluorophenol, 2) 4-fluoraniline, 3) 2-isopropylaniline, 4) quinoline, 5) 4-propylaniline, 6) 1-naphthol, 7) 5-aminoindan, 8) indolene, 9) *t*-decahydroquinoline, 10) 1,2,3,4-tetrahydroisoquinoline, 11) 2-aminobiphenyl, 12) 9-phenanthrol, 13) *p*-decylaniline, 14) *p*-decylaniline (monoamide).

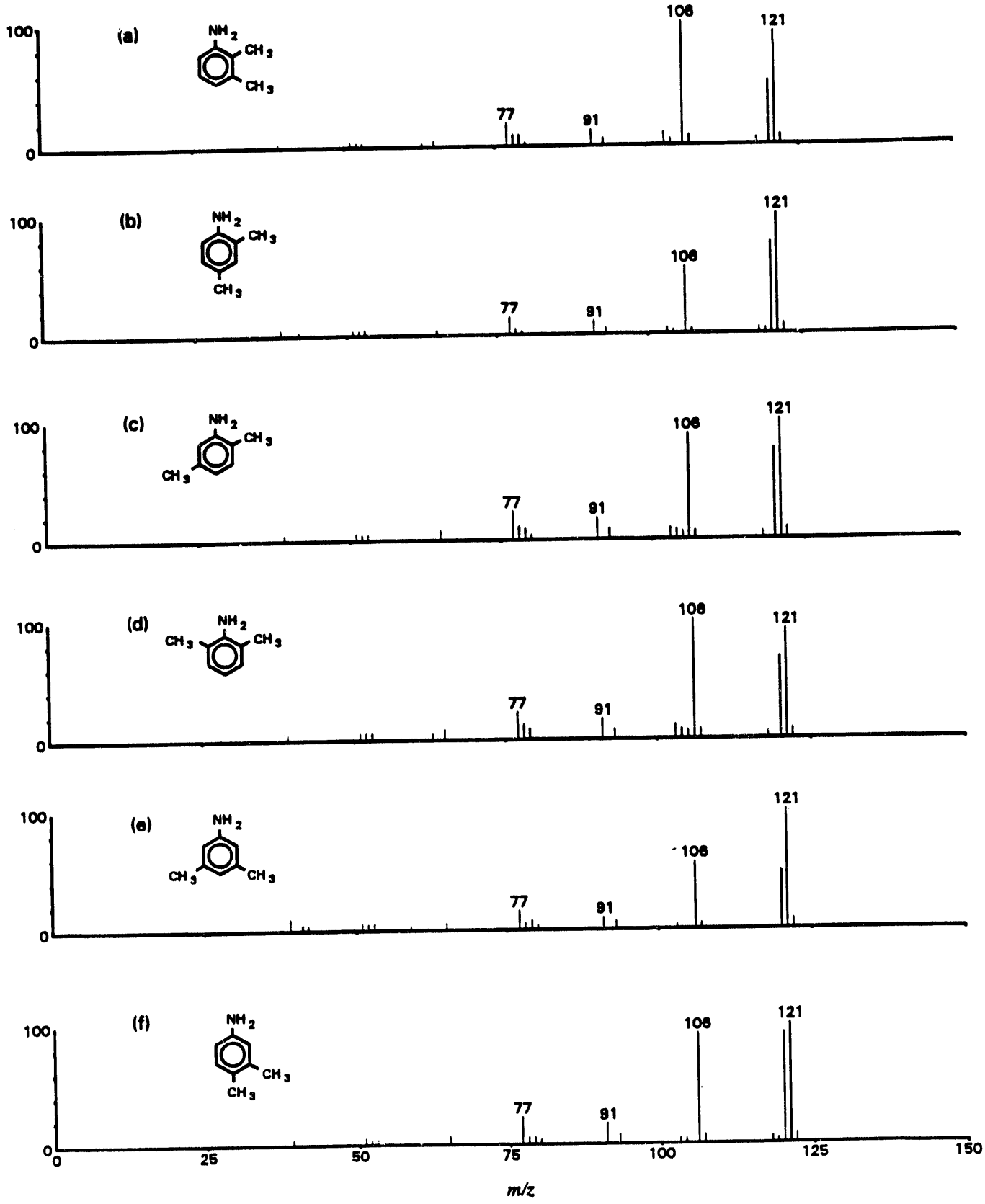


Figure 2. Mass spectra of the dimethylanilines.

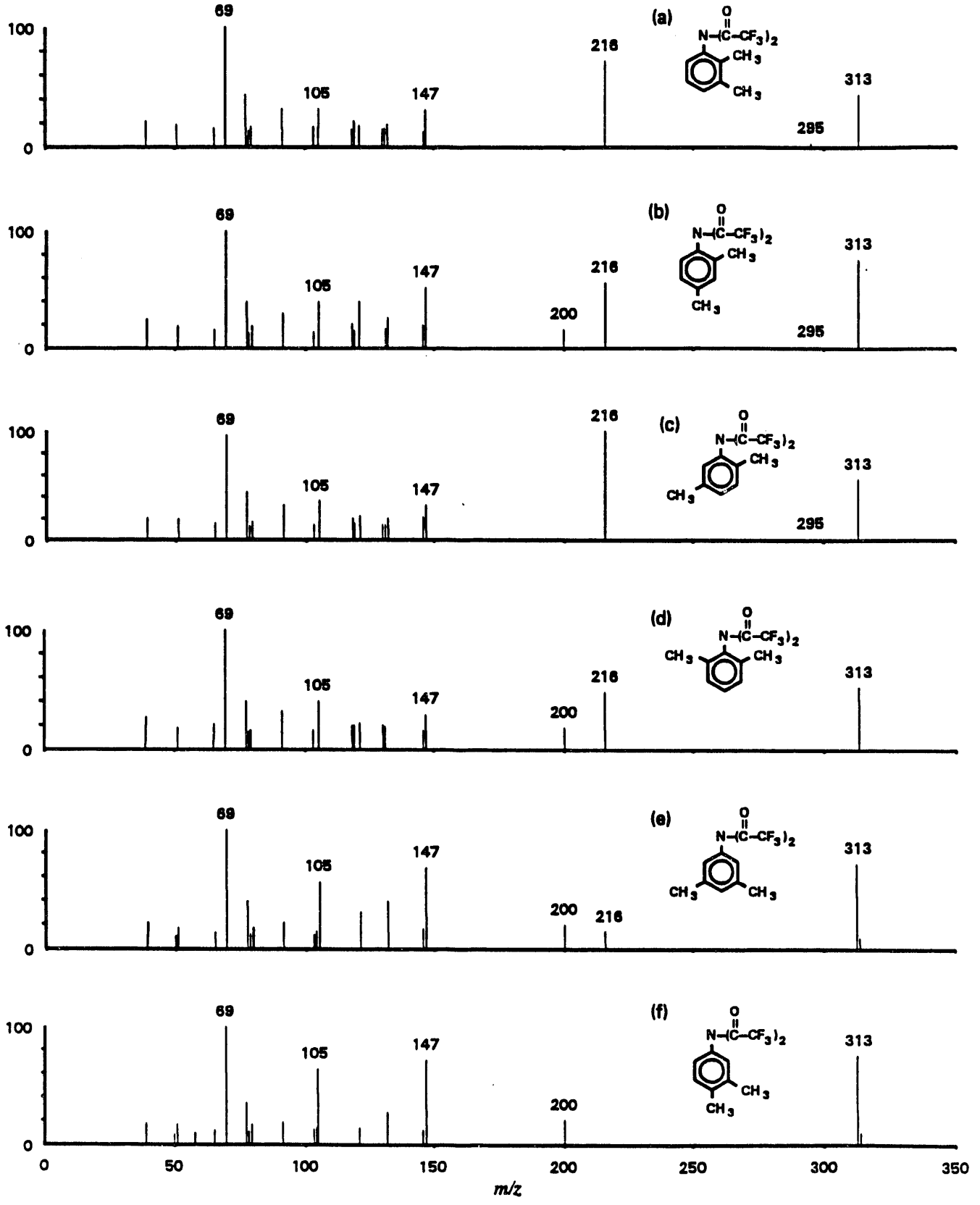


Figure 3. Mass spectra of di-(trifluoroacetamides) of the dimethylanilines.

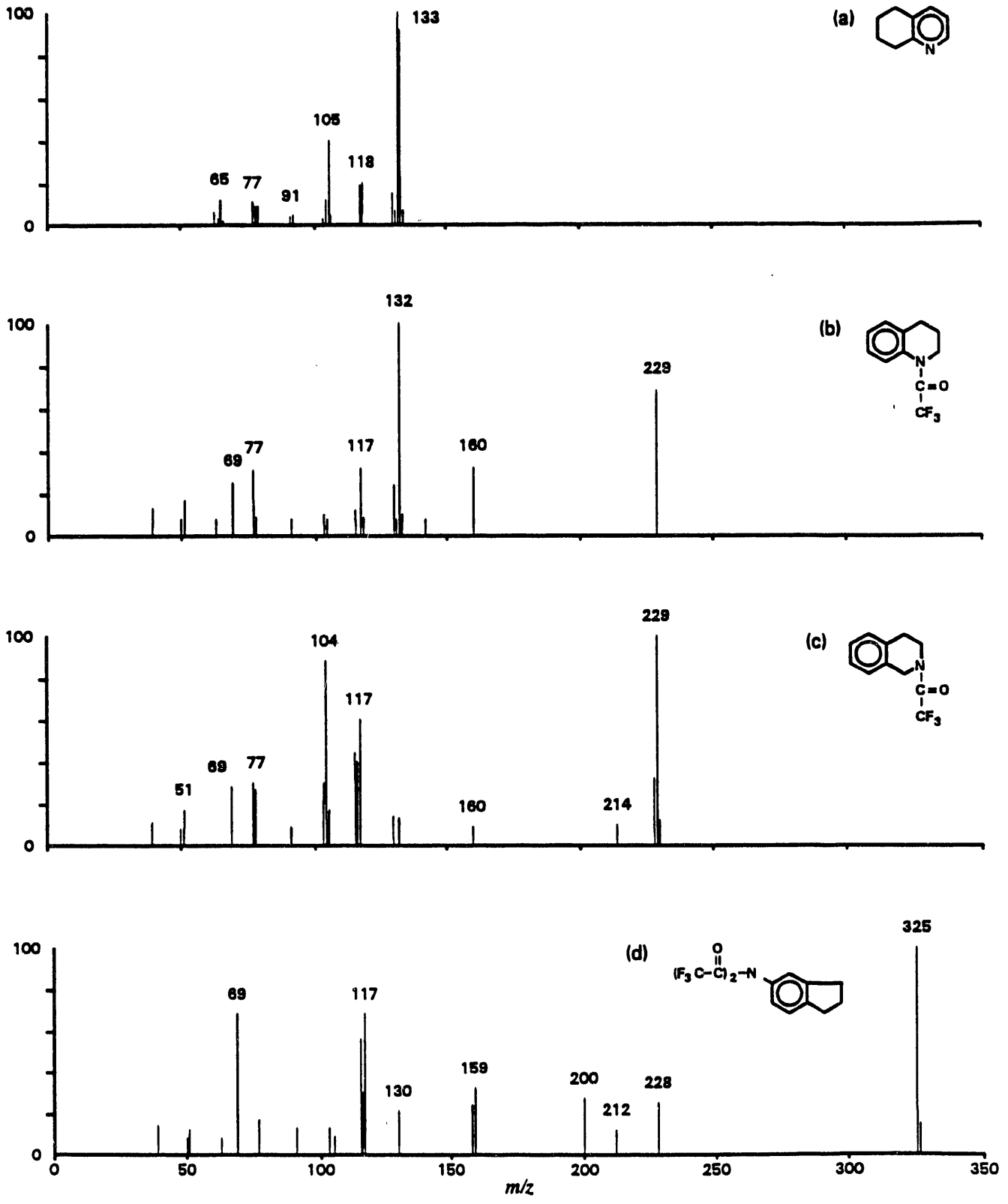


Figure 4. Mass spectra of derivatized hydrodenitrogenation intermediates of initial nominal mass 133.

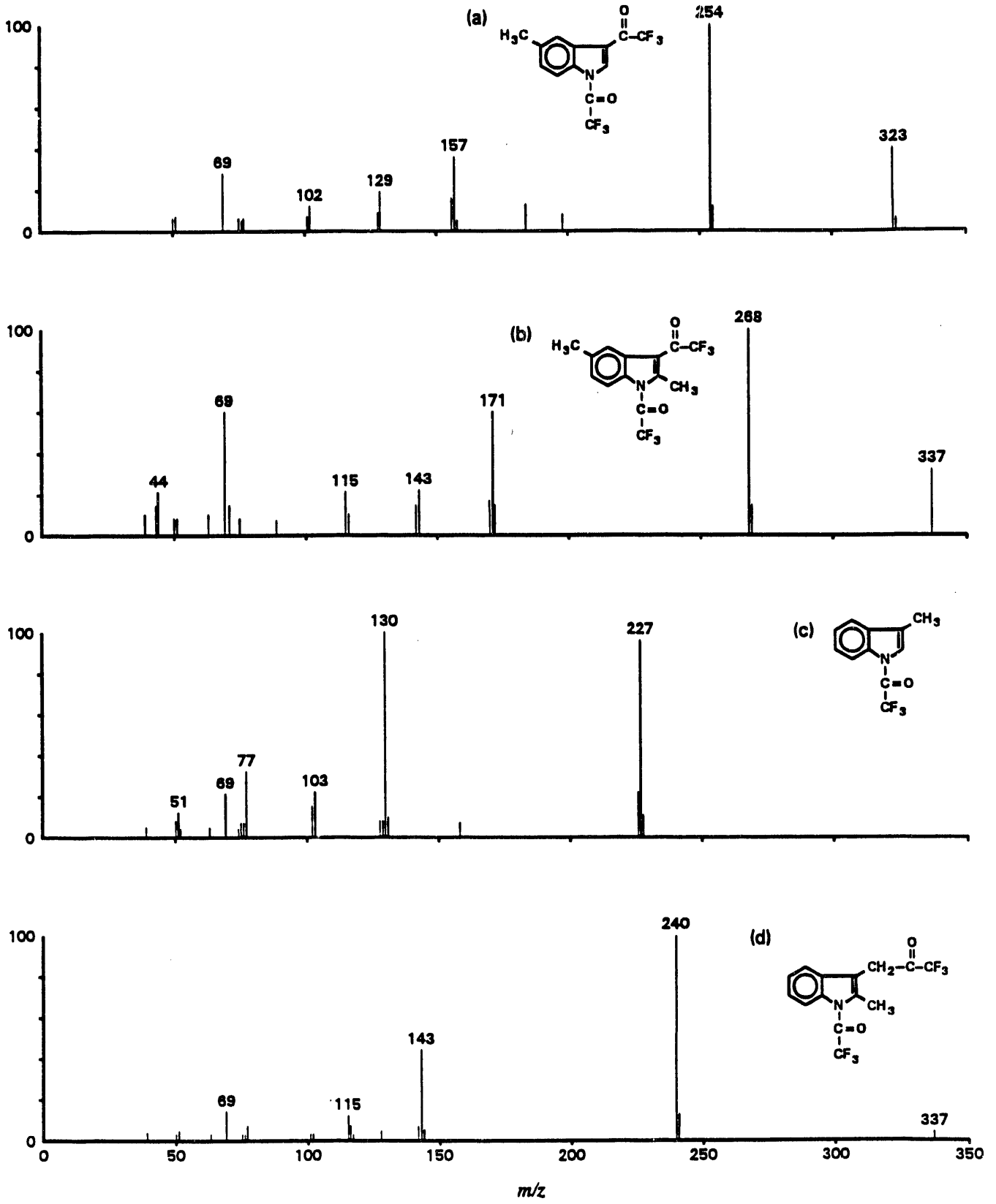


Figure 5. Mass spectra of derivatized alkyl indoles.

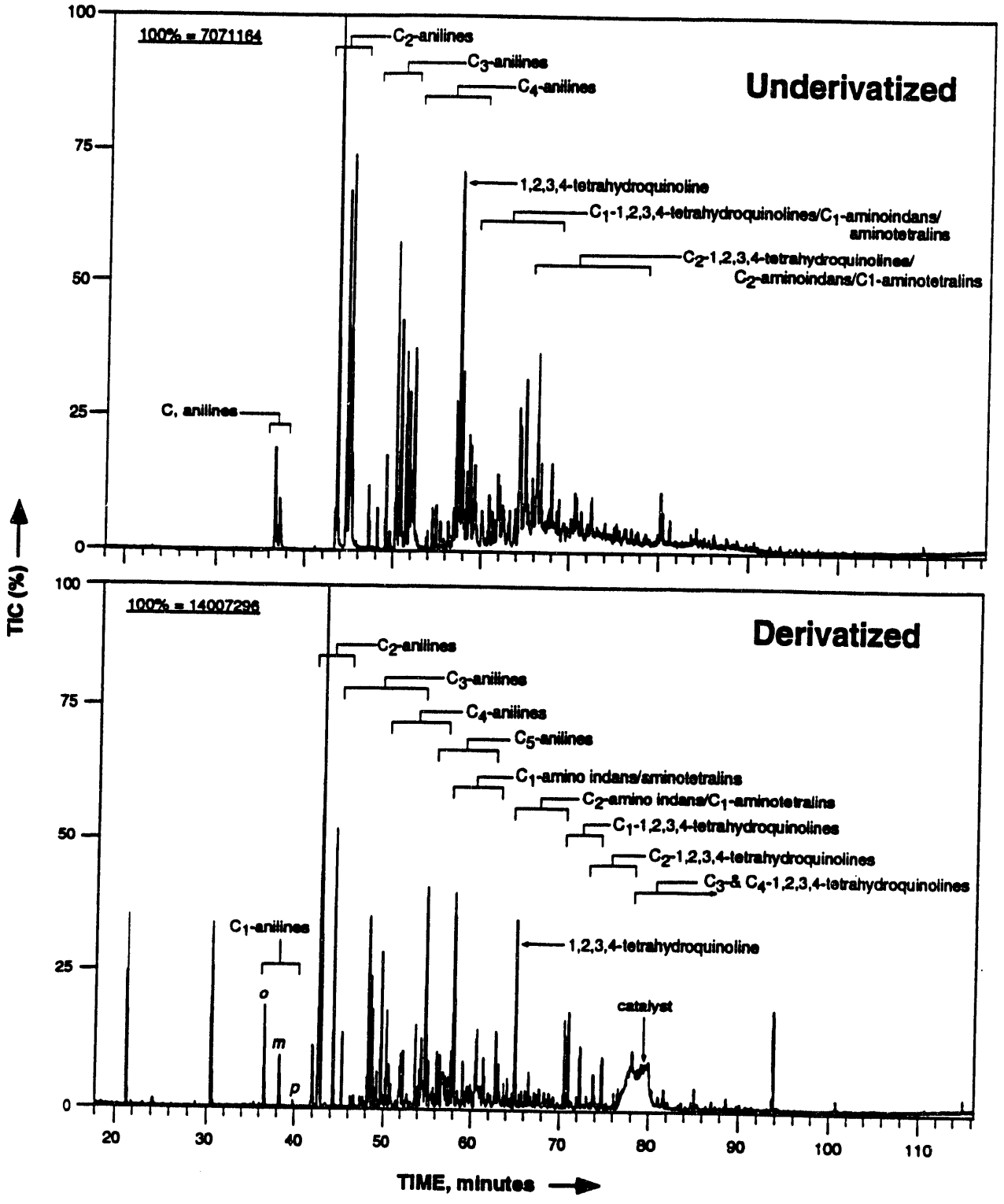


Figure 6. Total ion current chromatogram of underivatized and derivatized SRC II 200-325° C coal liquid base fraction 5.

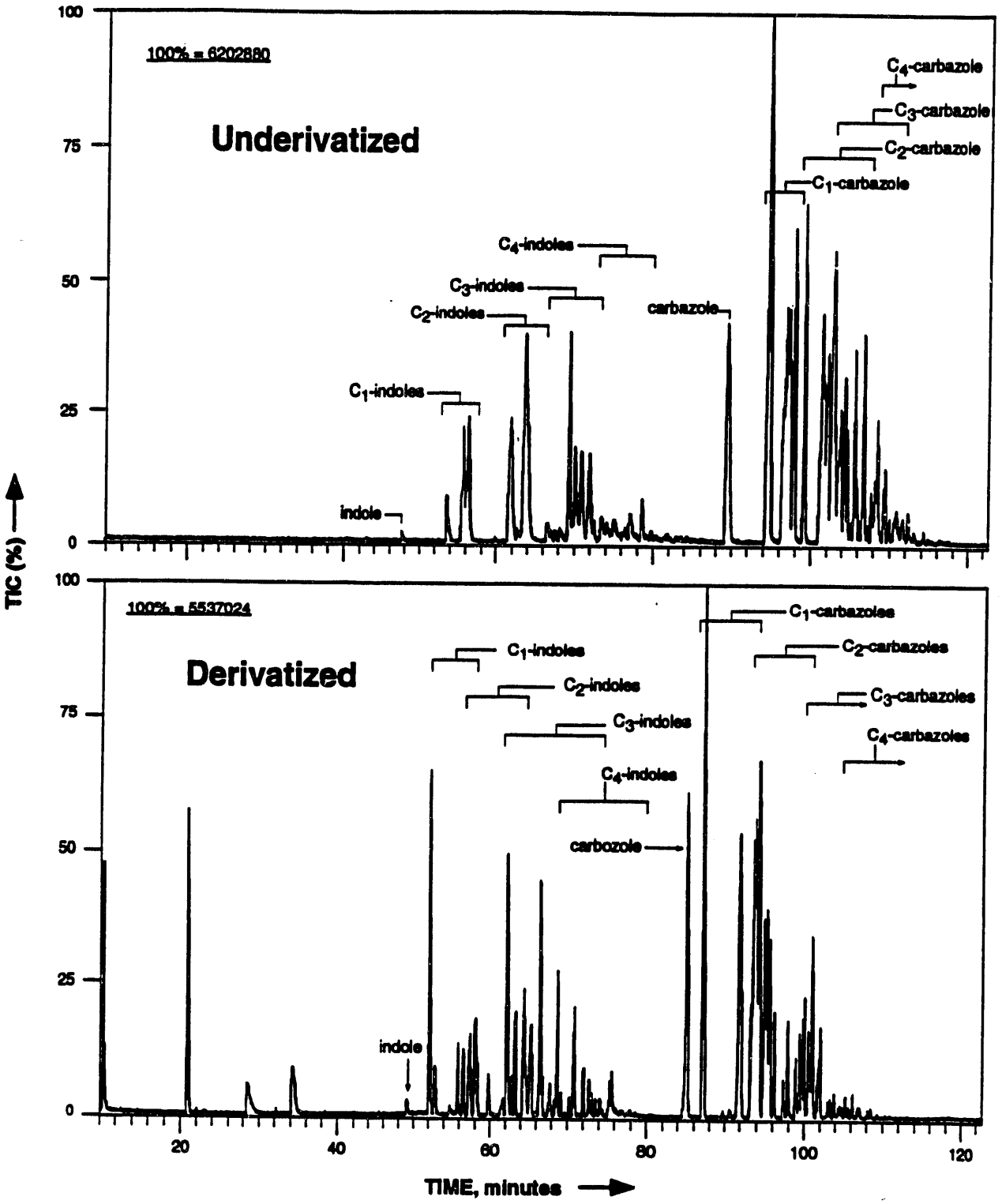
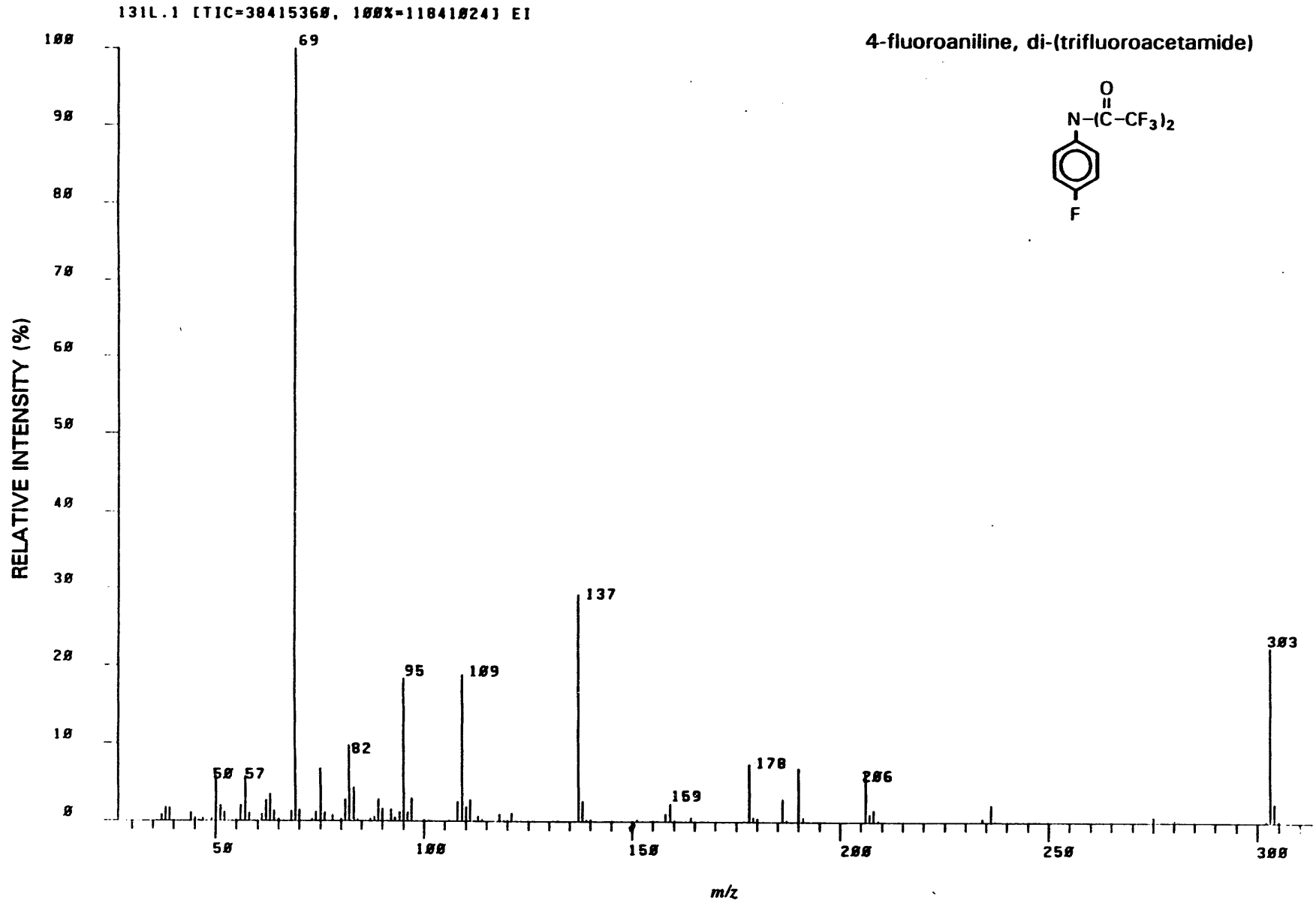


Figure 7. Total ion current chromatogram of underivatized and derivatized Light Cycle Oil #2245 acid fraction 3.

Appendix A

Mass Spectra and Fragment Ion Intensities of Trifluoroacetyl Derivatives

Basic Primary Aromatic Amines


131L.1 [TIC=38415360, 100%=11841024] EI
4-fluoroaniline, di-(trifluoroacetamide)
O
N–(C–CF3)2
F
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
69
137
303
95
109
82
50
57
178
206
159
50
100
150
200
250
300
m/z

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	306.00	8	5250.	0.0	0.0	0.0137
2	305.00	14	32474.	0.3	0.3	0.0845
3	304.00	25	295632.	2.5	2.5	0.7696*
4	303.00	35	2674944.	22.6	22.6	6.9632*
5	302.00	25	36819.	0.3	0.3	0.0958*
6	301.00	12	3000.	0.0	0.0	0.0078*
7	300.00	12	1694.	0.0	0.0	0.0044*
8	276.00	8	5571.	0.0	0.0	0.0145
9	275.00	14	91132.	0.8	0.8	0.2372
10	269.00	8	2370.	0.0	0.0	0.0062
11	249.00	10	5926.	0.1	0.1	0.0154*
12	248.00	8	465.	0.0	0.0	0.0012
13	238.00	6	584.	0.0	0.0	0.0015
14	237.00	12	26483.	0.2	0.2	0.0689
15	236.00	21	264432.	2.2	2.2	0.6883*
16	235.00	8	6402.	0.1	0.1	0.0167
17	234.00	17	64289.	0.5	0.5	0.1674*
18	231.00	6	864.	0.0	0.0	0.0022
19	230.00	6	1140.	0.0	0.0	0.0030
20	225.00	6	1359.	0.0	0.0	0.0035
21	209.00	14	31254.	0.3	0.3	0.0814
22	208.00	21	186644.	1.6	1.6	0.4859*
23	207.00	17	123528.	1.0	1.0	0.3216*
24	206.00	25	740576.	6.3	6.3	1.9278*
25	205.00	10	8800.	0.1	0.1	0.0229*
26	204.00	6	1450.	0.0	0.0	0.0038
27	200.00	6	645.	0.0	0.0	0.0017
28	192.00	8	3054.	0.0	0.0	0.0079
29	191.00	14	70420.	0.6	0.6	0.1833
30	190.00	25	824528.	7.0	7.0	2.1463
31	189.00	10	2247.	0.0	0.0	0.0058
32	188.00	8	1326.	0.0	0.0	0.0035
33	187.00	14	34423.	0.3	0.3	0.0896
34	186.00	21	347264.	2.9	2.9	0.9040
35	185.00	6	675.	0.0	0.0	0.0018
36	181.00	8	7184.	0.1	0.1	0.0187
37	180.00	17	55663.	0.5	0.5	0.1449*
38	179.00	17	76016.	0.6	0.6	0.1979
39	178.00	29	878048.	7.4	7.4	2.2857*
40	177.00	17	18982.	0.2	0.2	0.0494*
41	169.00	12	6711.	0.1	0.1	0.0175
42	165.00	6	1338.	0.0	0.0	0.0035
43	164.00	17	62874.	0.5	0.5	0.1637
44	163.00	10	4090.	0.0	0.0	0.0106
45	161.00	6	2159.	0.0	0.0	0.0056
46	160.00	14	25339.	0.2	0.2	0.0660
47	159.00	21	274976.	2.3	2.3	0.7158
48	158.00	17	119980.	1.0	1.0	0.3123*
49	157.00	8	5558.	0.0	0.0	0.0145
50	156.00	10	12068.	0.1	0.1	0.0314
51	155.00	17	18989.	0.2	0.2	0.0494*
52	154.00	12	5386.	0.0	0.0	0.0140*
53	153.00	10	4283.	0.0	0.0	0.0111*
54	152.00	8	2770.	0.0	0.0	0.0072
55	151.00	17	30696.	0.3	0.3	0.0799

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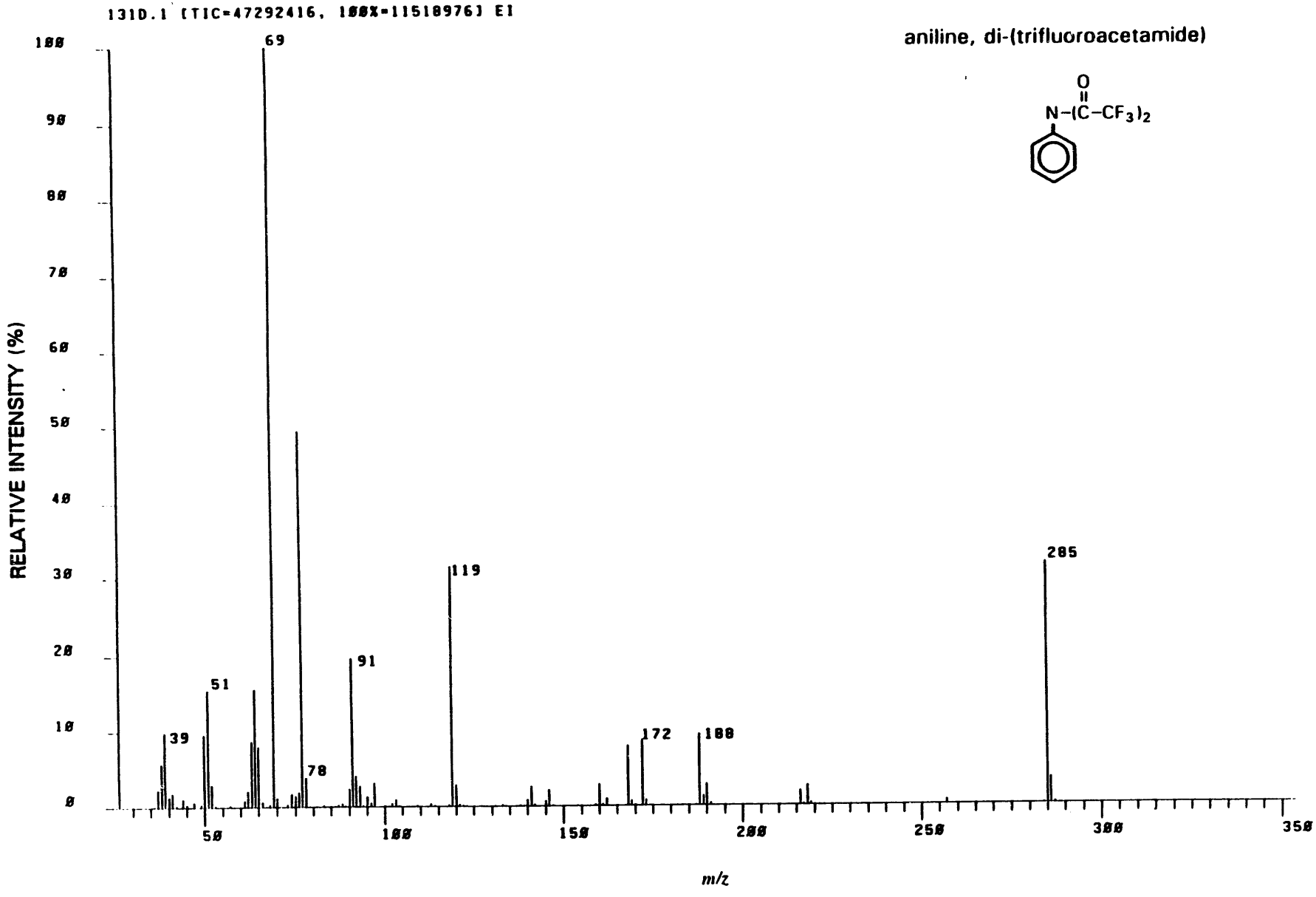
PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	148.00	10	7341.	0.1	0.1	0.0191*
57	146.00	8	1169.	0.0	0.0	0.0030
58	145.00	10	12468.	0.1	0.1	0.0325
59	143.00	8	7017.	0.1	0.1	0.0183
60	142.00	10	3145.	0.0	0.0	0.0082*
61	141.00	8	5234.	0.0	0.0	0.0136
62	140.00	17	34477.	0.3	0.3	0.0897*
63	139.00	12	37009.	0.3	0.3	0.0963
64	138.00	21	308256.	2.6	2.6	0.8024
65	137.00	51	3467328.	29.3	29.3	9.0259*
66	136.00	14	12514.	0.1	0.1	0.0326*
67	135.00	8	2815.	0.0	0.0	0.0073
68	133.00	8	4386.	0.0	0.0	0.0114
69	132.00	8	15433.	0.1	0.1	0.0402
70	131.00	10	11319.	0.1	0.1	0.0295
71	128.00	6	3363.	0.0	0.0	0.0088
72	127.00	8	3294.	0.0	0.0	0.0086
73	122.00	10	12746.	0.1	0.1	0.0332
74	121.00	21	136756.	1.2	1.2	0.3560*
75	120.00	12	28497.	0.2	0.2	0.0742
76	119.00	14	20713.	0.2	0.2	0.0539
77	118.00	17	108000.	0.9	0.9	0.2811
78	114.00	17	51472.	0.4	0.4	0.1340
79	113.00	17	86660.	0.7	0.7	0.2256
80	112.00	12	29320.	0.2	0.2	0.0763
81	111.00	25	326000.	2.8	2.8	0.8486*
82	110.00	21	221900.	1.9	1.9	0.5779
83	109.00	35	2229632.	18.8	18.8	5.8040*
84	108.00	25	303952.	2.6	2.6	0.7912*
85	107.00	12	17298.	0.1	0.1	0.0450
86	106.00	14	19467.	0.2	0.2	0.0507
87	102.00	10	1984.	0.0	0.0	0.0052
88	101.00	12	20799.	0.2	0.2	0.0541
89	100.00	12	22483.	0.2	0.2	0.0585*
90	99.00	12	8966.	0.1	0.1	0.0233
91	98.00	14	4255.	0.0	0.0	0.0111
92	97.00	21	349936.	3.0	3.0	0.9109
93	96.00	21	137532.	1.2	1.2	0.3580
94	95.00	35	2173120.	18.4	18.4	5.6569*
95	94.00	17	138092.	1.2	1.2	0.3595
96	93.00	21	60149.	0.5	0.5	0.1566*
97	92.00	25	179120.	1.5	1.5	0.4663*
98	91.00	12	16965.	0.1	0.1	0.0442
99	90.00	21	196392.	1.7	1.7	0.5112*
100	89.00	21	337920.	2.9	2.9	0.8796*
101	88.00	17	70860.	0.6	0.6	0.1845
102	87.00	21	43541.	0.4	0.4	0.1133*
103	86.00	17	17905.	0.2	0.2	0.0466*
104	85.00	10	6681.	0.1	0.1	0.0174
105	84.00	14	35914.	0.3	0.3	0.0935
106	83.00	29	512320.	4.3	4.3	1.3336*
107	82.00	29	1157888.	9.8	9.8	3.0141
108	81.00	25	329456.	2.8	2.8	0.8576*
109	80.00	14	34533.	0.3	0.3	0.0899*
110	79.00	8	2975.	0.0	0.0	0.0077

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	78.00	21	90284.	0.8	0.8	0.2350
112	77.00	8	9313.	0.1	0.1	0.0242
113	76.00	21	129148.	1.1	1.1	0.3362
114	75.00	29	801632.	6.8	6.8	2.0867*
115	74.00	17	145712.	1.2	1.2	0.3793
116	73.00	17	34023.	0.3	0.3	0.0886*
117	72.00	10	3531.	0.0	0.0	0.0092
118	71.00	6	6151.	0.1	0.1	0.0160
119	70.00	25	168192.	1.4	1.4	0.4378
120	69.00	71	11841024.	100.0	100.0	*30.82*
121	68.00	43	158404.	1.3	1.3	0.4123*
122	67.00	10	3413.	0.0	0.0	0.0089
123	66.00	6	6517.	0.1	0.1	0.0170
124	65.00	14	31068.	0.3	0.3	0.0809*
125	64.00	21	161120.	1.4	1.4	0.4194
126	63.00	25	420272.	3.5	3.5	1.0940
127	62.00	25	320080.	2.7	2.7	0.8332*
128	61.00	21	108716.	0.9	0.9	0.2830*
129	60.00	8	3402.	0.0	0.0	0.0089
130	59.00	12	18338.	0.2	0.2	0.0477*
131	58.00	21	129316.	1.1	1.1	0.3366*
132	57.00	25	683520.	5.8	5.8	1.7793*
133	56.00	21	236660.	2.0	2.0	0.6161
134	55.00	17	29268.	0.2	0.2	0.0762*
135	54.00	10	13891.	0.1	0.1	0.0362*
136	53.00	10	9563.	0.1	0.1	0.0249
137	52.00	21	139396.	1.2	1.2	0.3629
138	51.00	25	235300.	2.0	2.0	0.6125
139	50.00	25	692768.	5.9	5.9	1.8034
140	49.00	17	42750.	0.4	0.4	0.1113*
141	48.00	6	2644.	0.0	0.0	0.0069
142	47.00	17	57344.	0.5	0.5	0.1493
143	46.00	14	26705.	0.2	0.2	0.0695*
144	45.00	17	50478.	0.4	0.4	0.1314*
145	44.00	21	134440.	1.1	1.1	0.3500*
146	43.00	6	1166.	0.0	0.0	0.0030
147	42.00	10	2773.	0.0	0.0	0.0072
148	41.00	12	9172.	0.1	0.1	0.0239
149	40.00	12	17260.	0.1	0.1	0.0449
150	39.00	21	202860.	1.7	1.7	0.5281
151	38.00	21	215052.	1.8	1.8	0.5598
152	37.00	21	105788.	0.9	0.9	0.2754
153	36.00	12	16751.	0.1	0.1	0.0436*
154	35.00	6	757.	0.0	0.0	0.0020


1310.1 [TIC=47292416, 100%=11518976] EI
aniline, di-(trifluoroacetamide)
N-(C-CF3)2
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
69
285
119
91
51
39
78
172
188
50
100
150
200
250
300
350
m/z

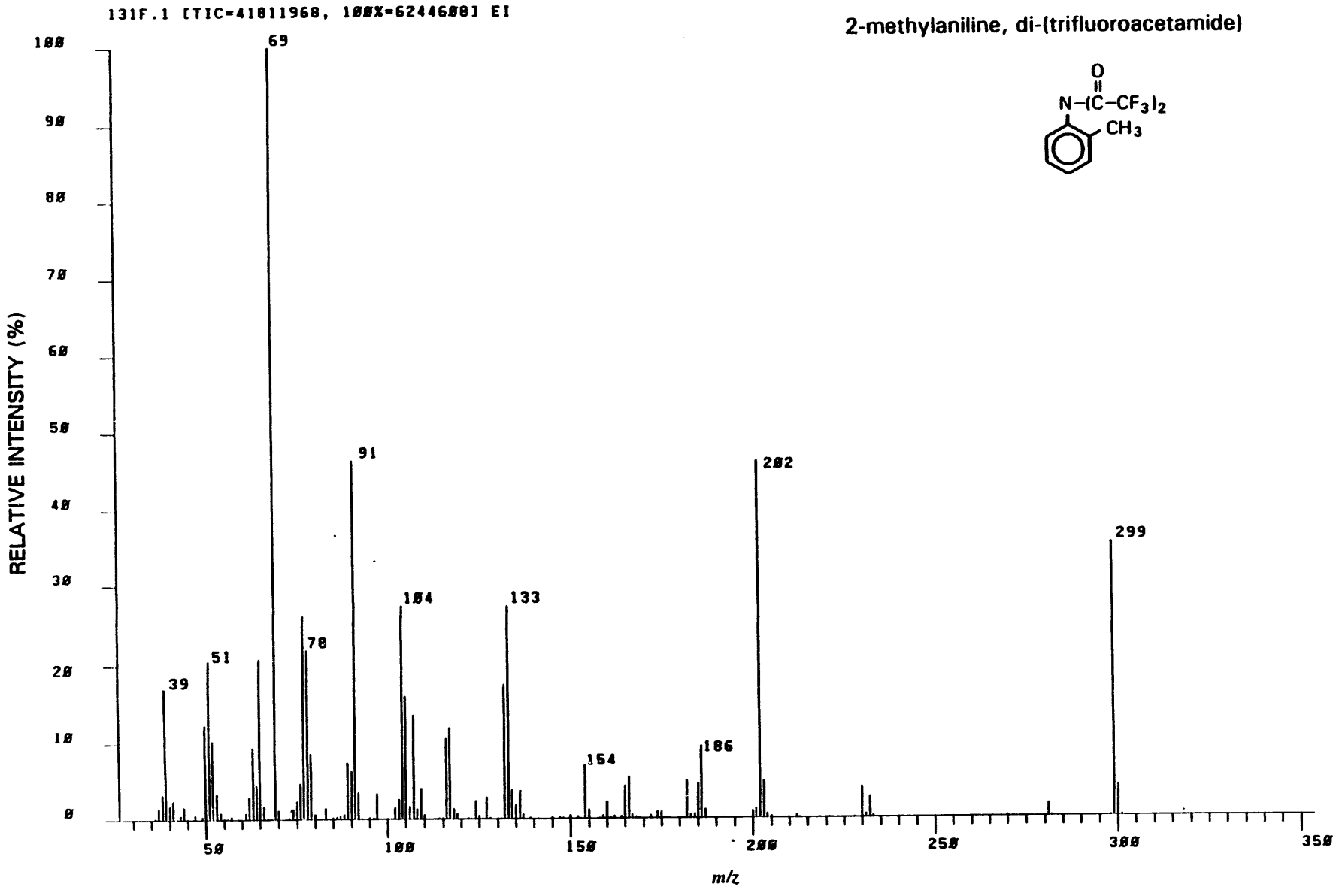
PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	341.00	8	1743.	0.0	0.0	0.0037
2	289.00	6	410.	0.0	0.0	0.0009
3	288.00	14	1742.	0.0	0.0	0.0037
4	287.00	14	35143.	0.3	0.3	0.0743*
5	286.00	25	394416.	3.4	3.4	0.8340*
6	285.00	51	3636416.	31.6	31.6	7.6892*
7	284.00	21	15534.	0.1	0.1	0.0328*
8	283.00	6	1418.	0.0	0.0	0.0030
9	282.00	8	1201.	0.0	0.0	0.0025
10	268.00	8	1380.	0.0	0.0	0.0029
11	266.00	6	864.	0.0	0.0	0.0018
12	258.00	10	7784.	0.1	0.1	0.0165
13	257.00	17	69364.	0.6	0.6	0.1467
14	256.00	6	842.	0.0	0.0	0.0018
15	232.00	8	2460.	0.0	0.0	0.0052
16	220.00	6	1797.	0.0	0.0	0.0038
17	219.00	14	38954.	0.3	0.3	0.0824
18	218.00	21	297216.	2.6	2.6	0.6285
19	217.00	17	25076.	0.2	0.2	0.0530*
20	216.00	21	214876.	1.9	1.9	0.4544*
21	215.00	6	1715.	0.0	0.0	0.0036
22	209.00	8	1759.	0.0	0.0	0.0037
23	208.00	6	1355.	0.0	0.0	0.0029
24	207.00	10	6548.	0.1	0.1	0.0138
25	200.00	8	1361.	0.0	0.0	0.0029
26	192.00	8	8356.	0.1	0.1	0.0177
27	191.00	14	48091.	0.4	0.4	0.1017
28	190.00	21	335600.	2.9	2.9	0.7096
29	189.00	21	152552.	1.3	1.3	0.3226*
30	188.00	35	1087360.	9.4	9.4	2.2992*
31	187.00	10	10891.	0.1	0.1	0.0230*
32	186.00	8	5595.	0.0	0.0	0.0118
33	181.00	10	1844.	0.0	0.0	0.0039
34	174.00	8	2154.	0.0	0.0	0.0046
35	173.00	17	88504.	0.8	0.8	0.1871
36	172.00	35	1005984.	8.7	8.7	2.1272*
37	171.00	8	1207.	0.0	0.0	0.0026
38	170.00	10	9705.	0.1	0.1	0.0205
39	169.00	17	84260.	0.7	0.7	0.1782*
40	168.00	35	909440.	7.9	7.9	1.9230*
41	167.00	8	1449.	0.0	0.0	0.0031
42	164.00	8	1434.	0.0	0.0	0.0030
43	163.00	8	5554.	0.0	0.0	0.0117
44	162.00	17	109012.	0.9	0.9	0.2305
45	161.00	14	31376.	0.3	0.3	0.0663*
46	160.00	21	331600.	2.9	2.9	0.7012*
47	159.00	10	21237.	0.2	0.2	0.0449
48	158.00	8	1522.	0.0	0.0	0.0032
49	152.00	12	3328.	0.0	0.0	0.0070*
50	148.00	8	1943.	0.0	0.0	0.0041
51	147.00	12	25839.	0.2	0.2	0.0546*
52	146.00	17	243728.	2.1	2.1	0.5154
53	145.00	17	84336.	0.7	0.7	0.1783
54	142.00	14	31399.	0.3	0.3	0.0664
55	141.00	21	301888.	2.6	2.6	0.6383

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	140.00	17	98320.	0.9	0.9	0.2079
57	139.00	10	12388.	0.1	0.1	0.0262
58	138.00	14	22546.	0.2	0.2	0.0477*
59	137.00	12	18891.	0.2	0.2	0.0399*
60	136.00	6	1255.	0.0	0.0	0.0027
61	134.00	10	9393.	0.1	0.1	0.0199*
62	133.00	14	36885.	0.3	0.3	0.0780
63	132.00	6	4427.	0.0	0.0	0.0094
64	131.00	10	9316.	0.1	0.1	0.0197
65	130.00	8	1406.	0.0	0.0	0.0030
66	128.00	6	1566.	0.0	0.0	0.0033
67	127.00	12	11519.	0.1	0.1	0.0244*
68	126.00	10	3657.	0.0	0.0	0.0077*
69	125.00	8	6505.	0.1	0.1	0.0138
70	124.00	8	2217.	0.0	0.0	0.0047
71	123.00	12	14929.	0.1	0.1	0.0316
72	122.00	10	20766.	0.2	0.2	0.0439
73	121.00	17	47872.	0.4	0.4	0.1012
74	120.00	25	334432.	2.9	2.9	0.7072*
75	119.00	51	3618368.	31.4	31.4	7.6511*
76	118.00	17	29308.	0.3	0.3	0.0620*
77	117.00	8	1929.	0.0	0.0	0.0041
78	115.00	8	8203.	0.1	0.1	0.0173
79	114.00	10	20500.	0.2	0.2	0.0433
80	113.00	14	44389.	0.4	0.4	0.0939
81	112.00	8	2757.	0.0	0.0	0.0058
82	111.00	8	3787.	0.0	0.0	0.0080
83	110.00	10	12414.	0.1	0.1	0.0262
84	109.00	12	26826.	0.2	0.2	0.0567
85	108.00	8	9692.	0.1	0.1	0.0205
86	104.00	12	19107.	0.2	0.2	0.0404*
87	103.00	17	112988.	1.0	1.0	0.2389
88	102.00	17	57677.	0.5	0.5	0.1220
89	101.00	8	9107.	0.1	0.1	0.0193
90	100.00	10	10529.	0.1	0.1	0.0223
91	99.00	8	7557.	0.1	0.1	0.0160*
92	98.00	8	3548.	0.0	0.0	0.0075
93	97.00	25	355232.	3.1	3.1	0.7511
94	96.00	17	66160.	0.6	0.6	0.1399
95	95.00	17	156372.	1.4	1.4	0.3306
96	94.00	14	36363.	0.3	0.3	0.0769
97	93.00	21	317104.	2.8	2.8	0.6705
98	92.00	29	476976.	4.1	4.1	1.0086*
99	91.00	35	2265088.	19.7	19.7	4.7895*
100	90.00	25	270400.	2.3	2.3	0.5718*
101	89.00	17	25208.	0.2	0.2	0.0533
102	88.00	17	56787.	0.5	0.5	0.1201
103	87.00	14	35843.	0.3	0.3	0.0758*
104	86.00	10	11148.	0.1	0.1	0.0236
105	85.00	10	14802.	0.1	0.1	0.0313
106	84.00	10	6835.	0.1	0.1	0.0145
107	83.00	14	34861.	0.3	0.3	0.0737
108	82.00	12	6911.	0.1	0.1	0.0146
109	81.00	8	10006.	0.1	0.1	0.0212
110	80.00	10	7486.	0.1	0.1	0.0158

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	79.00	8	9673.	0.1	0.1	0.0205
112	78.00	29	445712.	3.9	3.9	0.9425
113	77.00	51	5698560.	49.5	49.5	*12.04*
114	76.00	29	228076.	2.0	2.0	0.4823*
115	75.00	21	169520.	1.5	1.5	0.3585
116	74.00	21	197980.	1.7	1.7	0.4186
117	73.00	17	46330.	0.4	0.4	0.0980*
118	71.00	6	2415.	0.0	0.0	0.0051
119	70.00	29	133820.	1.2	1.2	0.2830*
120	69.00	71	11518976.	100.0	100.0	*24.35*
121	68.00	29	39365.	0.3	0.3	0.0832*
122	67.00	12	12896.	0.1	0.1	0.0273*
123	66.00	21	80204.	0.7	0.7	0.1696
124	65.00	29	922032.	8.0	8.0	1.9513*
125	64.00	35	1801216.	15.6	15.6	3.8087*
126	63.00	29	998512.	8.7	8.7	2.1114*
127	62.00	25	239700.	2.1	2.1	0.5068*
128	61.00	21	98072.	0.9	0.9	0.2074*
129	60.00	6	3140.	0.0	0.0	0.0066
130	57.00	12	38381.	0.3	0.3	0.0812*
131	56.00	10	1956.	0.0	0.0	0.0041
132	55.00	8	656.	0.0	0.0	0.0014
133	54.00	8	7112.	0.1	0.1	0.0150
134	53.00	14	30767.	0.3	0.3	0.0651
135	52.00	25	343472.	3.0	3.0	0.7263
136	51.00	35	1786048.	15.5	15.5	3.7766*
137	50.00	35	1104760.	9.6	9.6	2.3360*
138	49.00	17	55070.	0.5	0.5	0.1164*
139	48.00	14	4198.	0.0	0.0	0.0089*
140	47.00	21	84148.	0.7	0.7	0.1779*
141	46.00	10	4480.	0.0	0.0	0.0095
142	45.00	25	38975.	0.3	0.3	0.0824*
143	44.00	21	131904.	1.1	1.1	0.2789*
144	42.00	17	37836.	0.3	0.3	0.0800*
145	41.00	21	215276.	1.9	1.9	0.4552
146	40.00	25	156256.	1.4	1.4	0.3304
147	39.00	35	1134656.	9.9	9.9	2.3992*
148	38.00	35	667136.	5.8	5.8	1.4107*
149	37.00	25	259576.	2.3	2.3	0.5489
150	36.00	10	19245.	0.2	0.2	0.0407
151	35.00	12	3954.	0.0	0.0	0.0084*


131F.1 [TIC=41811968, 100%=6244600] EI
2-methylaniline, di-(trifluoroacetamide)
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
69
91
282
299
184
133
78
51
39
154
186
50
100
150
200
250
300
350
m/z

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	341.00	6	1112.	0.0	0.0	0.0027
2	301.00	12	19317.	0.3	0.3	0.0462
3	300.00	25	250572.	4.1	4.1	0.6184*
4	299.00	43	2200256.	35.4	35.4	5.2814*
5	298.00	10	15056.	0.2	0.2	0.0360
6	297.00	8	1962.	0.0	0.0	0.0047
7	284.00	6	1975.	0.0	0.0	0.0047
8	282.00	12	15146.	0.2	0.2	0.0362
9	281.00	14	106520.	1.7	1.7	0.2548
10	280.00	6	5477.	0.1	0.1	0.0131
11	270.00	10	10573.	0.2	0.2	0.0253
12	265.00	10	1746.	0.0	0.0	0.0042
13	264.00	8	3800.	0.1	0.1	0.0091
14	263.00	6	979.	0.0	0.0	0.0023
15	256.00	8	1770.	0.0	0.0	0.0042
16	253.00	10	4592.	0.1	0.1	0.011w
17	252.00	6	1184.	0.0	0.0	0.0028
18	250.00	10	1174.	0.0	0.0	0.0028
19	234.00	8	1875.	0.0	0.0	0.0045
20	233.00	12	23914.	0.4	0.4	0.0572
21	232.00	21	169112.	2.7	2.7	0.4045
22	231.00	14	36360.	0.6	0.6	0.0870
23	230.00	21	249716.	4.0	4.0	0.5972
24	228.00	10	8242.	0.1	0.1	0.0197
25	222.00	6	2824.	0.0	0.0	0.0068
26	221.00	10	5496.	0.1	0.1	0.0131
27	215.00	8	715.	0.0	0.0	0.0017
28	214.00	6	948.	0.0	0.0	0.0023
29	213.00	10	5917.	0.1	0.1	0.0142
30	212.00	12	28067.	0.4	0.4	0.0671
31	210.00	8	5603.	0.1	0.1	0.0134
32	205.00	10	18368.	0.3	0.3	0.0439*
33	204.00	14	36806.	0.6	0.6	0.0882
34	203.00	25	308768.	4.9	4.9	0.7385*
35	202.00	43	2888128.	46.2	46.2	6.9074*
36	201.00	29	78420.	1.3	1.3	0.1876*
37	200.00	17	58623.	0.9	0.9	0.1402*
38	192.00	10	5312.	0.1	0.1	0.0127
39	190.00	8	3174.	0.1	0.1	0.0076
40	189.00	8	1680.	0.0	0.0	0.0040
41	188.00	12	7276.	0.1	0.1	0.0174
42	187.00	17	76336.	1.2	1.2	0.1826
43	186.00	29	592432.	9.5	9.5	1.4169*
44	185.00	25	287000.	4.6	4.6	0.6883*
45	184.00	17	41118.	0.7	0.7	0.0983*
46	183.00	14	32968.	0.5	0.5	0.0788
47	182.00	21	310016.	5.0	5.0	0.7415*
48	181.00	10	8543.	0.1	0.1	0.0204*
49	178.00	6	3790.	0.1	0.1	0.0091
50	177.00	14	11801.	0.2	0.2	0.0282*
51	176.00	10	10398.	0.2	0.2	0.0249*
52	175.00	14	53601.	0.9	0.9	0.1282
53	174.00	17	53100.	0.9	0.9	0.1272
54	173.00	8	2643.	0.0	0.0	0.0063
55	172.00	12	26938.	0.4	0.4	0.0644

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	171.00	8	1195.	0.0	0.0	0.0029
57	169.00	10	11056.	0.2	0.2	0.0264
58	168.00	12	16758.	0.3	0.3	0.0401
59	167.00	12	34845.	0.6	0.6	0.0833
60	166.00	21	341728.	5.5	5.5	0.8173*
61	165.00	21	263936.	4.2	4.2	0.6312*
62	164.00	21	22651.	0.4	0.4	0.0542*
63	162.00	14	26155.	0.4	0.4	0.0626
64	161.00	12	20718.	0.3	0.3	0.0496
65	160.00	17	135112.	2.2	2.2	0.3231
66	159.00	12	27164.	0.4	0.4	0.0650*
67	158.00	8	6229.	0.1	0.1	0.0149
68	157.00	6	650.	0.0	0.0	0.0016
69	156.00	8	2123.	0.0	0.0	0.0051
70	155.00	17	74840.	1.2	1.2	0.1790
71	154.00	25	439984.	7.0	7.0	1.0523*
72	153.00	10	8327.	0.1	0.1	0.0199
73	152.00	12	21516.	0.3	0.3	0.0515*
74	151.00	17	3707.	0.1	0.1	0.0089*
75	150.00	12	27478.	0.4	0.4	0.0657
76	149.00	6	2121.	0.0	0.0	0.0051
77	148.00	14	13892.	0.2	0.2	0.0332*
78	147.00	14	17468.	0.3	0.3	0.0418*
79	145.00	12	16853.	0.3	0.3	0.0403
80	144.00	8	3431.	0.1	0.1	0.0082
81	141.00	10	8624.	0.1	0.1	0.0206*
82	140.00	12	2348.	0.0	0.0	0.0056
83	139.00	10	12144.	0.2	0.2	0.0290
84	138.00	10	3290.	0.1	0.1	0.0079
85	137.00	17	39822.	0.6	0.6	0.0952*
86	136.00	29	229952.	3.7	3.7	0.5500*
87	135.00	17	116108.	1.9	1.9	0.2777
88	134.00	25	239352.	3.8	3.8	0.5724*
89	133.00	35	1715456.	27.5	27.5	4.1028*
90	132.00	35	1092544.	17.5	17.5	2.6130*
91	131.00	8	13449.	0.2	0.2	0.0322*
92	130.00	8	6339.	0.1	0.1	0.0152*
93	129.00	6	3282.	0.1	0.1	0.0078
94	128.00	12	13245.	0.2	0.2	0.0317
95	127.00	21	176088.	2.8	2.8	0.4211*
96	126.00	12	6975.	0.1	0.1	0.0167
97	125.00	12	26252.	0.4	0.4	0.0628
98	124.00	17	147820.	2.4	2.4	0.3535
99	123.00	10	6691.	0.1	0.1	0.0160
100	122.00	10	15057.	0.2	0.2	0.0360
101	121.00	8	1532.	0.0	0.0	0.0037
102	120.00	8	4567.	0.1	0.1	0.0109
103	119.00	17	44671.	0.7	0.7	0.1068
104	118.00	21	83160.	1.3	1.3	0.1989*
105	117.00	35	748032.	12.0	12.0	1.7890*
106	116.00	35	661408.	10.6	10.6	1.5819*
107	115.00	12	13391.	0.2	0.2	0.0320*
108	114.00	12	14716.	0.2	0.2	0.0352
109	113.00	8	6079.	0.1	0.1	0.0145
110	112.00	14	1821.	0.0	0.0	0.0044*

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PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	111.00	8	1966.	0.0	0.0	0.0047
112	110.00	17	40213.	0.6	0.6	0.0962
113	109.00	21	251772.	4.0	4.0	0.6022*
114	108.00	17	84152.	1.3	1.3	0.2013
115	107.00	25	847920.	13.6	13.6	2.0279
116	106.00	17	104580.	1.7	1.7	0.2501
117	105.00	29	995904.	15.9	15.9	2.3819*
118	104.00	35	1712384.	27.4	27.4	4.0954*
119	103.00	51	161792.	2.6	2.6	0.3870*
120	102.00	17	97200.	1.6	1.6	0.2325
121	101.00	14	12654.	0.2	0.2	0.0303
122	100.00	12	5899.	0.1	0.1	0.0141
123	99.00	12	9748.	0.2	0.2	0.0233
124	98.00	14	6902.	0.1	0.1	0.0165
125	97.00	21	209504.	3.4	3.4	0.5011
126	96.00	12	20622.	0.3	0.3	0.0493
127	95.00	12	17188.	0.3	0.3	0.0411
128	93.00	14	6225.	0.1	0.1	0.0149
129	92.00	25	221052.	3.5	3.5	0.5287*
130	91.00	43	2903296.	46.5	46.5	6.9437*
131	90.00	25	396912.	6.4	6.4	0.9493*
132	89.00	25	464016.	7.4	7.4	1.1098*
133	88.00	25	44999.	0.7	0.7	0.1076*
134	87.00	14	32955.	0.5	0.5	0.0788*
135	86.00	12	21875.	0.4	0.4	0.0523
136	85.00	12	17806.	0.3	0.3	0.0426*
137	84.00	10	4511.	0.1	0.1	0.0108*
138	83.00	35	97640.	1.6	1.6	0.2335*
139	82.00	14	7282.	0.1	0.1	0.0174*
140	81.00	10	6388.	0.1	0.1	0.0153*
141	80.00	17	45655.	0.7	0.7	0.1092*
142	79.00	25	539712.	8.6	8.6	1.2908
143	78.00	29	1362048.	21.8	21.8	3.2576*
144	77.00	35	1634560.	26.2	26.2	3.9093*
145	76.00	25	299552.	4.8	4.8	0.7164*
146	75.00	29	150020.	2.4	2.4	0.3588*
147	74.00	17	85868.	1.4	1.4	0.2054
148	73.00	14	16841.	0.3	0.3	0.0403*
149	72.00	17	75304.	1.2	1.2	0.1801
150	69.00	51	6244608.	100.0	100.0	*14.93*
151	68.00	14	15251.	0.2	0.2	0.0365*
152	67.00	10	12143.	0.2	0.2	0.0290*
153	66.00	25	104604.	1.7	1.7	0.2502*
154	65.00	29	1295680.	20.7	20.7	3.0988*
155	64.00	21	279824.	4.5	4.5	0.6692
156	63.00	25	586656.	9.4	9.4	1.4031
157	62.00	21	182484.	2.9	2.9	0.4364
158	61.00	17	55635.	0.9	0.9	0.1331*
159	59.00	10	9981.	0.2	0.2	0.0239*
160	58.00	8	3879.	0.1	0.1	0.0093
161	57.00	14	27495.	0.4	0.4	0.0658*
162	56.00	10	13892.	0.2	0.2	0.0332
163	55.00	12	10195.	0.2	0.2	0.0244
164	54.00	17	58481.	0.9	0.9	0.1399
165	53.00	25	208052.	3.3	3.3	0.4976*

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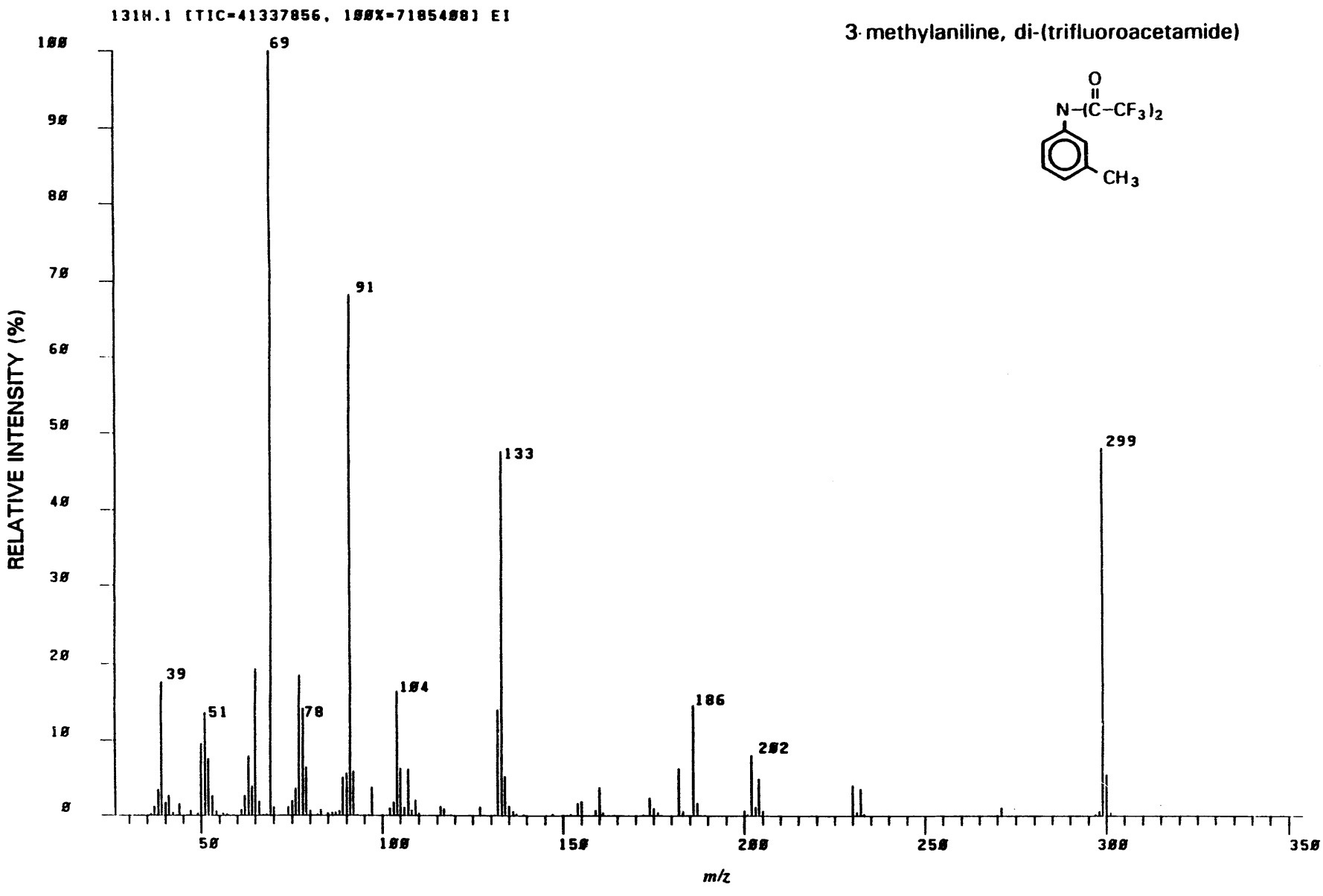
PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
166	52.00	29	648272.	10.4	10.4	1.5504*
167	51.00	29	1279680.	20.5	20.5	3.0606*
168	50.00	29	772752.	12.4	12.4	1.8482*
169	49.00	17	29389.	0.5	0.5	0.0703*
170	48.00	8	1987.	0.0	0.0	0.0048
171	47.00	17	40925.	0.7	0.7	0.0979*
172	46.00	6	3390.	0.1	0.1	0.0081
173	45.00	10	6777.	0.1	0.1	0.0162
174	44.00	21	102484.	1.6	1.6	0.2451*
175	43.00	14	32624.	0.5	0.5	0.0780
176	42.00	17	14764.	0.2	0.2	0.0353*
177	41.00	21	151640.	2.4	2.4	0.3627
178	40.00	21	112280.	1.8	1.8	0.2685
179	39.00	29	1059392.	17.0	17.0	2.5337*
180	38.00	25	205944.	3.3	3.3	0.4925*
181	37.00	21	90776.	1.5	1.5	0.2171*
182	36.00	12	20157.	0.3	0.3	0.0482*
183	35.00	8	4020.	0.1	0.1	0.0096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3-methylaniline, di-(trifluoroacetamide)
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
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10
0
69
91
133
299
39
51
78
104
186
202
50
100
150
200
250
300
350
m/z

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	342.00	6	899.	0.0	0.0	0.0022
2	341.00	10	2199.	0.0	0.0	0.0053
3	302.00	8	5897.	0.1	0.1	0.0143
4	301.00	17	40454.	0.6	0.6	0.0979*
5	300.00	25	398784.	5.5	5.5	0.9647*
6	299.00	43	3444608.	47.9	47.9	8.3328*
7	298.00	21	53893.	0.8	0.8	0.1304*
8	297.00	17	21117.	0.3	0.3	0.0511*
9	295.00	8	1490.	0.0	0.0	0.0036
10	282.00	10	2852.	0.0	0.0	0.0069
11	281.00	6	604.	0.0	0.0	0.0015
12	280.00	8	1270.	0.0	0.0	0.0031
13	272.00	6	3853.	0.1	0.1	0.0093
14	271.00	17	82888.	1.2	1.2	0.2005
15	270.00	8	9285.	0.1	0.1	0.0225
16	247.00	8	892.	0.0	0.0	0.0022
17	246.00	6	1336.	0.0	0.0	0.0032
18	245.00	8	2999.	0.0	0.0	0.0073
19	234.00	8	1732.	0.0	0.0	0.0042
20	233.00	12	27190.	0.4	0.4	0.0658
21	232.00	21	257620.	3.6	3.6	0.6232*
22	231.00	14	36337.	0.5	0.5	0.0879
23	230.00	17	296208.	4.1	4.1	0.7166
24	221.00	6	1738.	0.0	0.0	0.0042
25	214.00	8	3308.	0.0	0.0	0.0080
26	212.00	8	1047.	0.0	0.0	0.0025
27	210.00	6	1157.	0.0	0.0	0.0028
28	207.00	8	1792.	0.0	0.0	0.0043
29	205.00	17	54122.	0.8	0.8	0.1309
30	204.00	21	354016.	4.9	4.9	0.8564*
31	203.00	17	93020.	1.3	1.3	0.2250
32	202.00	25	584112.	8.1	8.1	1.4130*
33	201.00	14	22535.	0.3	0.3	0.0545*
34	200.00	17	51662.	0.7	0.7	0.1250
35	189.00	8	8276.	0.1	0.1	0.0200
36	188.00	8	7794.	0.1	0.1	0.0189
37	187.00	17	126360.	1.8	1.8	0.3057*
38	186.00	29	1047792.	14.6	14.6	2.5347*
39	185.00	25	6771.	0.1	0.1	0.0164*
40	184.00	10	11189.	0.2	0.2	0.0271
41	183.00	14	51318.	0.7	0.7	0.1241
42	182.00	21	457632.	6.4	6.4	1.1071
43	181.00	10	2781.	0.0	0.0	0.0067
44	180.00	8	1023.	0.0	0.0	0.0025
45	178.00	12	3998.	0.1	0.1	0.0097
46	177.00	14	7059.	0.1	0.1	0.0171
47	176.00	12	36538.	0.5	0.5	0.0884
48	175.00	17	72772.	1.0	1.0	0.1760*
49	174.00	17	177780.	2.5	2.5	0.4301
50	173.00	8	2768.	0.0	0.0	0.0067
51	172.00	10	11821.	0.2	0.2	0.0286
52	169.00	6	2923.	0.0	0.0	0.0071
53	168.00	8	2764.	0.0	0.0	0.0067
54	165.00	8	4019.	0.1	0.1	0.0097
55	164.00	8	10449.	0.1	0.1	0.0253

PAGE 2

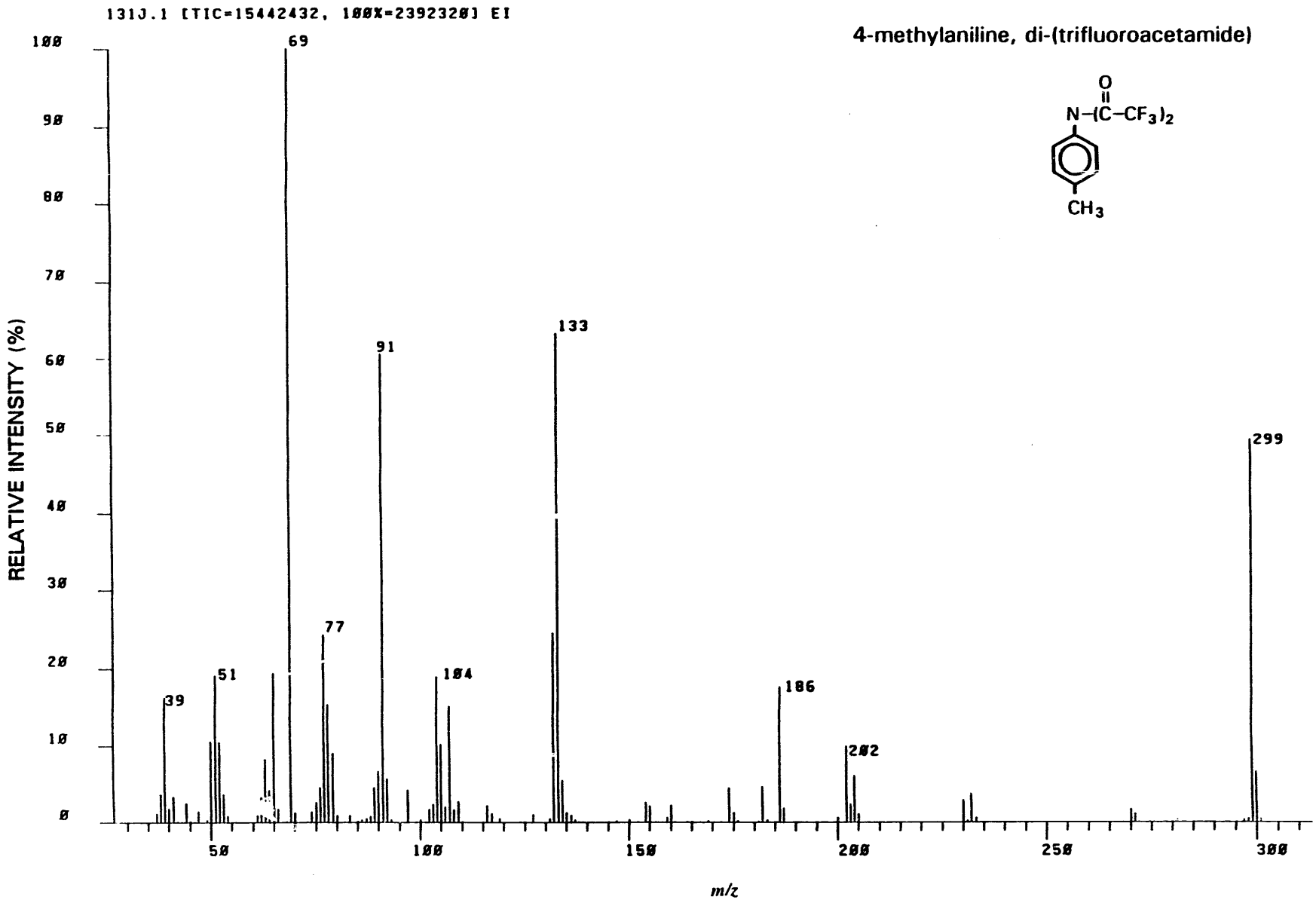
PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	161.00	12	31988.	0.4	0.4	0.0774
57	160.00	21	273280.	3.8	3.8	0.6611*
58	159.00	17	55047.	0.8	0.8	0.1332*
59	158.00	6	2107.	0.0	0.0	0.0051
60	157.00	6	1329.	0.0	0.0	0.0032
61	156.00	10	7004.	0.1	0.1	0.0169
62	155.00	21	140680.	2.0	2.0	0.3403*
63	154.00	21	122696.	1.7	1.7	0.2968*
64	153.00	17	6548.	0.1	0.1	0.0158*
65	152.00	10	20504.	0.3	0.3	0.0496
66	151.00	12	9639.	0.1	0.1	0.0233*
67	150.00	10	9711.	0.1	0.1	0.0235
68	147.00	10	22797.	0.3	0.3	0.0551
69	146.00	6	1400.	0.0	0.0	0.0034
70	145.00	10	9699.	0.1	0.1	0.0235
71	141.00	8	4714.	0.1	0.1	0.0114
72	140.00	14	3103.	0.0	0.0	0.0075
73	139.00	10	12504.	0.2	0.2	0.0302*
74	138.00	6	1028.	0.0	0.0	0.0025
75	137.00	14	23480.	0.3	0.3	0.0568
76	136.00	17	43312.	0.6	0.6	0.1048
77	135.00	17	98524.	1.4	1.4	0.2383
78	134.00	25	377552.	5.3	5.3	0.9133*
79	133.00	51	3420736.	47.6	47.6	8.2751*
80	132.00	43	1006864.	14.0	14.0	2.4357*
81	131.00	12	13087.	0.2	0.2	0.0317*
82	130.00	10	6931.	0.1	0.1	0.0168
83	129.00	8	1285.	0.0	0.0	0.0031
84	128.00	10	10401.	0.1	0.1	0.0252*
85	127.00	17	87944.	1.2	1.2	0.2127
86	126.00	10	4533.	0.1	0.1	0.0110
87	125.00	8	1354.	0.0	0.0	0.0033
88	124.00	10	8073.	0.1	0.1	0.0195
89	123.00	6	858.	0.0	0.0	0.0021
90	122.00	8	2595.	0.0	0.0	0.0063
91	120.00	8	2330.	0.0	0.0	0.0056
92	119.00	12	14535.	0.2	0.2	0.0352
93	118.00	10	11558.	0.2	0.2	0.0280
94	117.00	17	70508.	1.0	1.0	0.1706
95	116.00	17	89564.	1.2	1.2	0.2167
96	115.00	10	5370.	0.1	0.1	0.0130
97	114.00	10	11008.	0.2	0.2	0.0266
98	113.00	8	6320.	0.1	0.1	0.0153
99	111.00	8	2758.	0.0	0.0	0.0067
100	110.00	10	28386.	0.4	0.4	0.0687
101	109.00	17	153344.	2.1	2.1	0.3710
102	108.00	17	56559.	0.8	0.8	0.1368
103	107.00	25	447072.	6.2	6.2	1.0815*
104	106.00	21	83972.	1.2	1.2	0.2031*
105	105.00	25	457088.	6.4	6.4	1.1057*
106	104.00	35	1182336.	16.5	16.5	2.8602*
107	103.00	43	133428.	1.9	1.9	0.3228*
108	102.00	17	72916.	1.0	1.0	0.1764
109	101.00	10	8049.	0.1	0.1	0.0195
110	100.00	10	5923.	0.1	0.1	0.0143

PAGE 3

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	99.00	10	5152.	0.1	0.1	0.0125
112	98.00	6	3303.	0.0	0.0	0.0080
113	97.00	21	274432.	3.8	3.8	0.6639
114	96.00	17	16978.	0.2	0.2	0.0411
115	95.00	10	8925.	0.1	0.1	0.0216
116	93.00	10	16378.	0.2	0.2	0.0396
117	92.00	25	424768.	5.9	5.9	1.0276
118	91.00	51	4897024.	68.2	68.2	*11.84*
119	90.00	29	406600.	5.7	5.7	0.9836*
120	89.00	21	365072.	5.1	5.1	0.8851*
121	88.00	21	54480.	0.8	0.8	0.1318*
122	87.00	17	36637.	0.5	0.5	0.0886
123	86.00	14	33109.	0.5	0.5	0.0801*
124	85.00	14	25362.	0.4	0.4	0.0614*
125	84.00	8	5322.	0.1	0.1	0.0129
126	83.00	29	63897.	0.9	0.9	0.1546*
127	82.00	17	17948.	0.2	0.2	0.0434*
128	81.00	8	3260.	0.0	0.0	0.0079
129	80.00	17	51399.	0.7	0.7	0.1243
130	79.00	25	470032.	6.5	6.5	1.1370
131	78.00	35	1020752.	14.2	14.2	2.4693*
132	77.00	35	1330944.	18.5	18.5	3.2197*
133	76.00	29	268544.	3.7	3.7	0.6496*
134	75.00	25	147064.	2.0	2.0	0.3558*
135	74.00	17	85300.	1.2	1.2	0.2063
136	73.00	14	11269.	0.2	0.2	0.0273*
137	70.00	17	86396.	1.2	1.2	0.2090
138	69.00	59	7185400.	100.0	100.0	*17.38*
139	68.00	17	22423.	0.3	0.3	0.0542*
140	67.00	14	18586.	0.3	0.3	0.0450*
141	66.00	21	141840.	2.0	2.0	0.3431
142	65.00	35	1390400.	19.4	19.4	3.3635*
143	64.00	21	284688.	4.0	4.0	0.6887
144	63.00	25	568032.	7.9	7.9	1.3741
145	62.00	25	192192.	2.7	2.7	0.4649*
146	61.00	21	62248.	0.9	0.9	0.1506*
147	60.00	12	2718.	0.0	0.0	0.0066
148	59.00	10	9490.	0.1	0.1	0.0230*
149	58.00	21	4060.	0.1	0.1	0.0098*
150	57.00	17	21868.	0.3	0.3	0.0529*
151	56.00	17	29029.	0.4	0.4	0.0702*
152	55.00	10	4091.	0.1	0.1	0.0099
153	54.00	21	54354.	0.8	0.8	0.1315*
154	53.00	25	194396.	2.7	2.7	0.4703*
155	52.00	25	544000.	7.6	7.6	1.3162
156	51.00	35	973248.	13.5	13.5	2.3544*
157	50.00	29	688624.	9.6	9.6	1.6658
158	49.00	17	29385.	0.4	0.4	0.0711*
159	48.00	8	1337.	0.0	0.0	0.0032
160	47.00	17	51984.	0.7	0.7	0.1258
161	46.00	10	10778.	0.1	0.1	0.0261*
162	44.00	25	119772.	1.7	1.7	0.2897*
163	43.00	8	9003.	0.1	0.1	0.0218
164	42.00	17	31857.	0.4	0.4	0.0771*
165	41.00	25	194392.	2.7	2.7	0.4703

PAGE 4

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
166	40.00	25	131840.	1.8	1.8	0.3189*
167	39.00	29	1265024.	17.6	17.6	3.0602
168	38.00	25	255200.	3.6	3.6	0.6176
169	37.00	21	89416.	1.2	1.2	0.2163*
170	36.00	12	22182.	0.3	0.3	0.0537


131J.1 [TIC=15442432, 100%=2392320] EI
4-methylaniline, di-(trifluoroacetamide)
O
N–(C–CF3)2
CH3
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
69
91
133
299
77
104
51
39
186
202
50
100
150
200
250
300
m/z

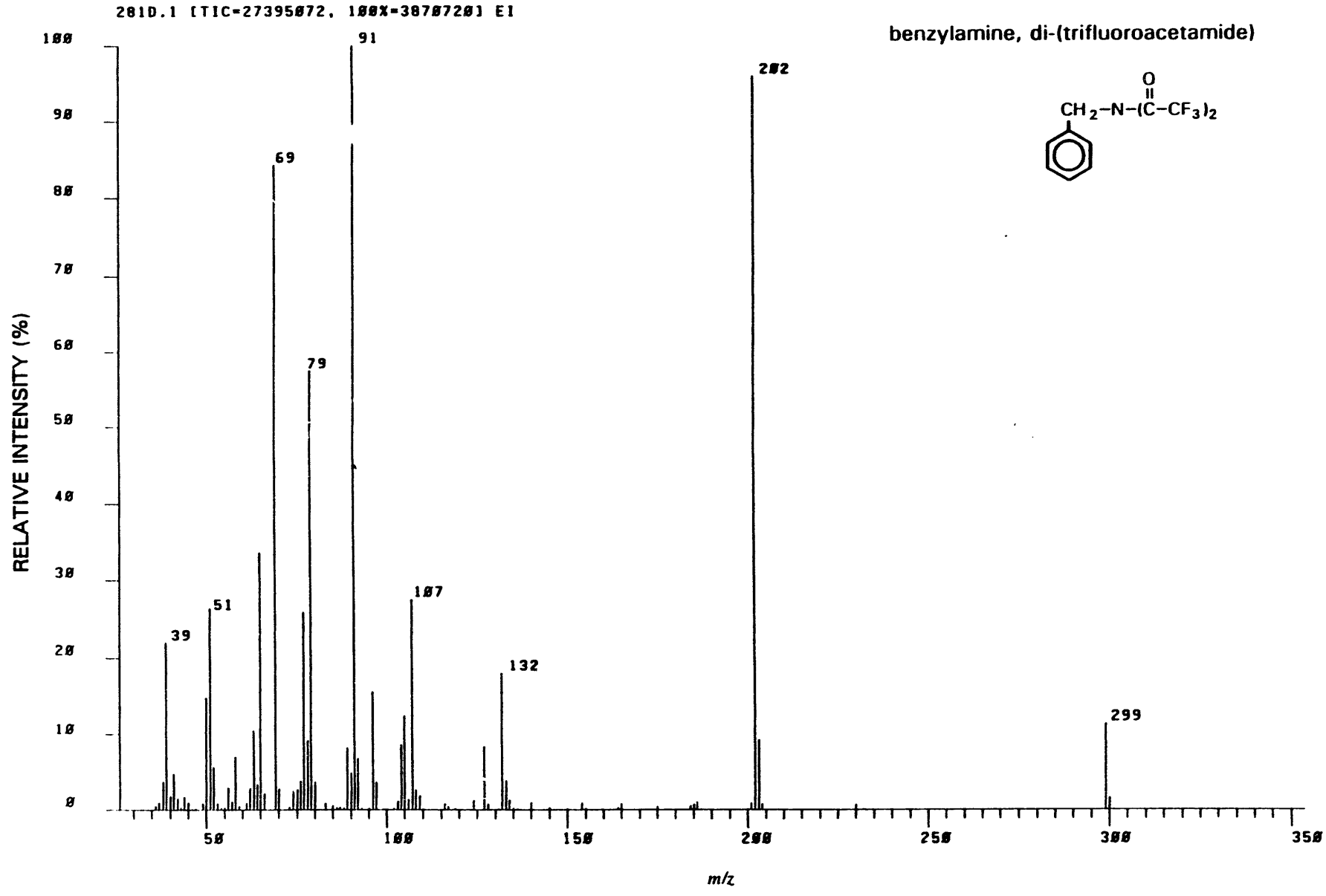
PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	301.00	12	12727.	0.5	0.5	0.0824*
2	300.00	21	157260.	6.6	6.6	1.0184*
3	299.00	35	1184000.	49.5	49.5	7.6672*
4	298.00	12	13705.	0.6	0.6	0.0887
5	297.00	12	8221.	0.3	0.3	0.0532*
6	272.00	8	2049.	0.1	0.1	0.0133
7	271.00	12	27208.	1.1	1.1	0.1767
8	270.00	12	40657.	1.7	1.7	0.2633
9	233.00	8	14318.	0.6	0.6	0.0927
10	232.00	17	88208.	3.7	3.7	0.5712
11	231.00	10	7670.	0.3	0.3	0.0497
12	230.00	17	69736.	2.9	2.9	0.4516
13	221.00	6	701.	0.0	0.0	0.0045
14	205.00	12	26910.	1.1	1.1	0.1743
15	204.00	21	145872.	6.1	6.1	0.9446*
16	203.00	17	55735.	2.3	2.3	0.3609
17	202.00	21	236840.	9.9	9.9	1.5337*
18	201.00	6	1468.	0.1	0.1	0.0095
19	200.00	12	14612.	0.6	0.6	0.0946*
20	187.00	14	44014.	1.8	1.8	0.2850
21	186.00	21	422912.	17.7	17.7	2.7386
22	185.00	6	2448.	0.1	0.1	0.0159
23	183.00	12	8307.	0.3	0.3	0.0538
24	182.00	17	110244.	4.6	4.6	0.7139*
25	181.00	10	4191.	0.2	0.2	0.0271
26	176.00	10	7525.	0.3	0.3	0.0487
27	175.00	14	30613.	1.3	1.3	0.1982
28	174.00	17	105620.	4.4	4.4	0.6840
29	172.00	8	3538.	0.1	0.1	0.0229
30	169.00	10	7395.	0.3	0.3	0.0479
31	165.00	8	2573.	0.1	0.1	0.0167
32	164.00	10	2137.	0.1	0.1	0.0138
33	161.00	10	3671.	0.2	0.2	0.0238
34	160.00	14	51857.	2.2	2.2	0.3358
35	159.00	12	16330.	0.7	0.7	0.1057
36	156.00	6	1654.	0.1	0.1	0.0107
37	155.00	17	49712.	2.1	2.1	0.3219
38	154.00	17	62977.	2.6	2.6	0.4078
39	153.00	8	1598.	0.1	0.1	0.0103
40	152.00	8	3019.	0.1	0.1	0.0196
41	150.00	8	8071.	0.3	0.3	0.0523
42	147.00	8	6012.	0.3	0.3	0.0389
43	145.00	12	2357.	0.1	0.1	0.0153
44	141.00	12	2362.	0.1	0.1	0.0153
45	139.00	21	3437.	0.1	0.1	0.0223*
46	138.00	6	2723.	0.1	0.1	0.0176
47	137.00	12	8331.	0.3	0.3	0.0539*
48	136.00	12	22720.	0.9	0.9	0.1471*
49	135.00	14	31482.	1.3	1.3	0.2039
50	134.00	17	132692.	5.5	5.5	0.8593
51	133.00	35	1514048.	63.3	63.3	9.8045*
52	132.00	35	586080.	24.5	24.5	3.7953*
53	131.00	12	13043.	0.5	0.5	0.0845*
54	127.00	10	24911.	1.0	1.0	0.1613
55	125.00	8	1955.	0.1	0.1	0.0127

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	124.00	8	2337.	0.1	0.1	0.0151
57	122.00	8	1668.	0.1	0.1	0.0108
58	120.00	8	789.	0.0	0.0	0.0051
59	119.00	10	12514.	0.5	0.5	0.0810
60	117.00	14	27810.	1.2	1.2	0.1801
61	116.00	17	53471.	2.2	2.2	0.3463
62	115.00	8	2299.	0.1	0.1	0.0149
63	113.00	8	766.	0.0	0.0	0.0050
64	110.00	10	3569.	0.1	0.1	0.0231
65	109.00	17	65385.	2.7	2.7	0.4234
66	108.00	17	40289.	1.7	1.7	0.2609
67	107.00	21	362240.	15.1	15.1	2.3457*
68	106.00	17	48229.	2.0	2.0	0.3123
69	105.00	21	244104.	10.2	10.2	1.5807
70	104.00	25	451584.	18.9	18.9	2.9243*
71	103.00	25	56478.	2.4	2.4	0.3657*
72	102.00	17	40325.	1.7	1.7	0.2611
73	101.00	10	3590.	0.2	0.2	0.0232
74	100.00	8	8610.	0.4	0.4	0.0558
75	99.00	8	3210.	0.1	0.1	0.0208
76	97.00	17	99768.	4.2	4.2	0.6461
77	96.00	6	1579.	0.1	0.1	0.0102
78	95.00	6	1146.	0.0	0.0	0.0074
79	93.00	10	9794.	0.4	0.4	0.0634*
80	92.00	25	135728.	5.7	5.7	0.8789
81	91.00	35	1446592.	60.5	60.5	9.3676*
82	90.00	21	159992.	6.7	6.7	1.0361
83	89.00	21	107196.	4.5	4.5	0.6942*
84	88.00	14	19190.	0.8	0.8	0.1243
85	87.00	8	12435.	0.5	0.5	0.0805
86	86.00	12	8526.	0.4	0.4	0.0552
87	85.00	10	4972.	0.2	0.2	0.0322
88	84.00	8	784.	0.0	0.0	0.0051
89	83.00	21	23143.	1.0	1.0	0.1499*
90	82.00	12	3056.	0.1	0.1	0.0198*
91	80.00	14	22902.	1.0	1.0	0.1483
92	79.00	21	217556.	9.1	9.1	1.4088
93	78.00	25	367504.	15.4	15.4	2.3798
94	77.00	25	581680.	24.3	24.3	3.7668*
95	76.00	21	109872.	4.6	4.6	0.7063
96	75.00	17	62644.	2.6	2.6	0.4057
97	74.00	14	32654.	1.4	1.4	0.2115
98	73.00	12	3124.	0.1	0.1	0.0202
99	70.00	14	31591.	1.3	1.3	0.2046
100	69.00	35	2392320.	100.0	100.0	*15.49*
101	68.00	6	3960.	0.2	0.2	0.0256
102	67.00	6	2200.	0.1	0.1	0.0143
103	66.00	17	43270.	1.8	1.8	0.2803*
104	65.00	25	464384.	19.4	19.4	3.0072
105	64.00	21	100784.	4.2	4.2	0.6526
106	63.00	25	197060.	8.2	8.2	1.2761
107	62.00	17	78116.	3.3	3.3	0.5059*
108	61.00	12	23541.	1.0	1.0	0.1524*
109	59.00	6	1084.	0.0	0.0	0.0070
110	57.00	8	1563.	0.1	0.1	0.0101

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	56.00	12	2755.	0.1	0.1	0.0178
112	55.00	6	1038.	0.0	0.0	0.0067
113	54.00	12	20424.	0.9	0.9	0.1323*
114	53.00	17	87512.	3.7	3.7	0.5667
115	52.00	21	251664.	10.5	10.5	1.6297
116	51.00	21	458720.	19.2	19.2	2.9705
117	50.00	25	254472.	10.6	10.6	1.6479
118	49.00	10	8788.	0.4	0.4	0.0569
119	47.00	14	34756.	1.5	1.5	0.2251*
120	46.00	8	3730.	0.2	0.2	0.0242
121	45.00	6	5205.	0.2	0.2	0.0337
122	44.00	17	59796.	2.5	2.5	0.3872*
123	43.00	8	3331.	0.1	0.1	0.0216
124	42.00	8	5878.	0.2	0.2	0.0381
125	41.00	21	79928.	3.3	3.3	0.5176
126	40.00	17	44324.	1.9	1.9	0.2870*
127	39.00	25	389808.	16.3	16.3	2.5243
128	38.00	21	88084.	3.7	3.7	0.5704*
129	37.00	17	28917.	1.2	1.2	0.1873
130	36.00	8	2443.	0.1	0.1	0.0158


281D.1 [TIC=27395872, 100%=3870720] EI
benzylamine, di-(trifluoroacetamide)
O
CH2–N–(C–CF3)2
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
91
282
69
79
107
51
39
132
299
50
100
150
200
250
300
350
m/z

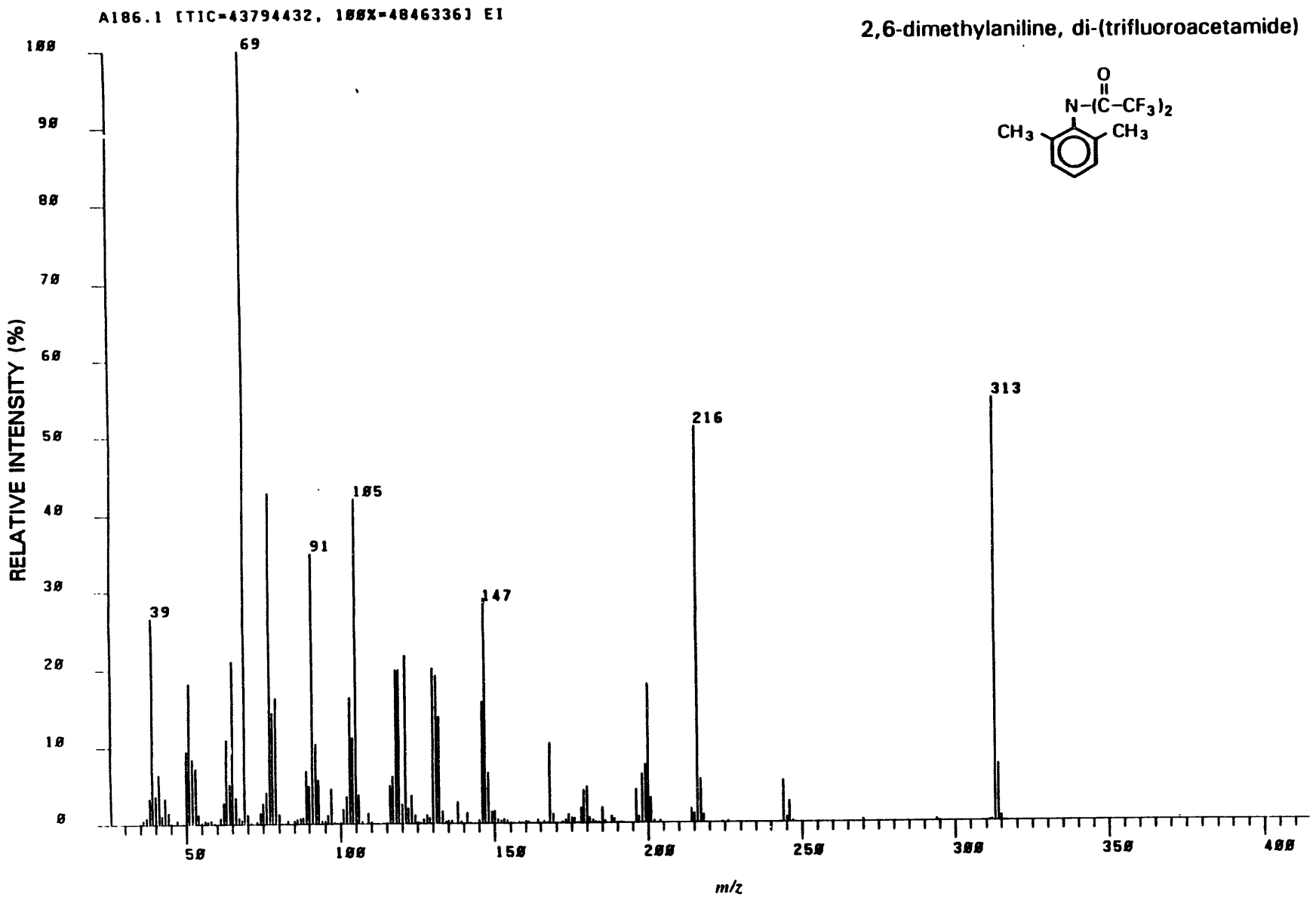
PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	343.00	6	1113.	0.0	0.0	0.0041
2	301.00	10	5129.	0.1	0.1	0.0187
3	300.00	17	60835.	1.6	1.6	0.2221*
4	299.00	21	439024.	11.3	11.3	1.6026*
5	298.00	8	2148.	0.1	0.1	0.0078
6	232.00	10	4273.	0.1	0.1	0.0156
7	231.00	8	2427.	0.1	0.1	0.0089
8	230.00	12	27239.	0.7	0.7	0.0994
9	209.00	8	912.	0.0	0.0	0.0033
10	205.00	8	2001.	0.1	0.1	0.0102
11	204.00	12	30981.	0.8	0.8	0.1131
12	203.00	29	357536.	9.2	9.2	1.3051*
13	202.00	51	3715392.	96.0	96.0	*13.56*
14	201.00	35	33150.	0.9	0.9	0.1210*
15	200.00	8	3733.	0.1	0.1	0.0136
16	187.00	8	6118.	0.2	0.2	0.0223
17	186.00	17	38383.	1.0	1.0	0.1401
18	185.00	12	28375.	0.7	0.7	0.1036
19	184.00	14	20300.	0.5	0.5	0.0741
20	182.00	8	918.	0.0	0.0	0.0034
21	181.00	10	915.	0.0	0.0	0.0033
22	175.00	12	19132.	0.5	0.5	0.0698
23	172.00	8	1253.	0.0	0.0	0.0046
24	169.00	8	1145.	0.0	0.0	0.0042
25	165.00	12	30078.	0.8	0.8	0.1098
26	164.00	8	10750.	0.3	0.3	0.0392
27	159.00	8	886.	0.0	0.0	0.0032
28	158.00	8	1407.	0.0	0.0	0.0051
29	155.00	8	8994.	0.2	0.2	0.0328
30	154.00	12	37240.	1.0	1.0	0.1359
31	153.00	6	630.	0.0	0.0	0.0023
32	152.00	8	5673.	0.1	0.1	0.0207
33	150.00	10	4703.	0.1	0.1	0.0172
34	146.00	6	2562.	0.1	0.1	0.0094
35	145.00	8	10932.	0.3	0.3	0.0399
36	144.00	6	1440.	0.0	0.0	0.0053
37	143.00	6	488.	0.0	0.0	0.0018
38	141.00	8	2209.	0.1	0.1	0.0081
39	140.00	14	36504.	0.9	0.9	0.1333
40	136.00	8	3952.	0.1	0.1	0.0144
41	135.00	8	11960.	0.3	0.3	0.0437
42	134.00	17	50098.	1.3	1.3	0.1829
43	133.00	21	148904.	3.8	3.8	0.5435*
44	132.00	29	694624.	17.9	17.9	2.5356*
45	131.00	12	7245.	0.2	0.2	0.0264*
46	129.00	8	4788.	0.1	0.1	0.0175
47	128.00	14	31258.	0.8	0.8	0.1141
48	127.00	21	324688.	8.4	8.4	1.1852
49	126.00	6	823.	0.0	0.0	0.0030
50	125.00	8	2519.	0.1	0.1	0.0092
51	124.00	17	46470.	1.2	1.2	0.1696
52	119.00	10	7832.	0.2	0.2	0.0286
53	118.00	8	712.	0.0	0.0	0.0026
54	117.00	10	16819.	0.4	0.4	0.0614
55	116.00	17	30917.	0.8	0.8	0.1129

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	115.00	8	1122.	0.0	0.0	0.0041
57	114.00	6	2395.	0.1	0.1	0.0087
58	112.00	8	1170.	0.0	0.0	0.0043
59	111.00	10	2040.	0.1	0.1	0.0075
60	110.00	10	4130.	0.1	0.1	0.0151
61	109.00	21	73076.	1.9	1.9	0.2667*
62	108.00	21	101364.	2.6	2.6	0.3700*
63	107.00	35	1064576.	27.5	27.5	3.8860*
64	106.00	17	51411.	1.3	1.3	0.1877*
65	105.00	25	480640.	12.4	12.4	1.7545*
66	104.00	25	331664.	8.6	8.6	1.2107*
67	103.00	14	42786.	1.1	1.1	0.1562*
68	102.00	10	12796.	0.3	0.3	0.0467
69	101.00	6	1979.	0.1	0.1	0.0072
70	100.00	8	3384.	0.1	0.1	0.0124
71	99.00	6	3417.	0.1	0.1	0.0125
72	97.00	21	140444.	3.6	3.6	0.5127*
73	96.00	25	598496.	15.5	15.5	2.1847*
74	95.00	10	9105.	0.2	0.2	0.0332
75	93.00	8	12161.	0.3	0.3	0.0444
76	92.00	25	264800.	6.8	6.8	0.9666*
77	91.00	59	3870720.	100.0	100.0	*14.12*
78	90.00	21	186620.	4.8	4.8	0.6812*
79	89.00	21	316368.	8.2	8.2	1.1548
80	88.00	8	10734.	0.3	0.3	0.0392
81	87.00	14	15831.	0.4	0.4	0.0578*
82	86.00	10	14024.	0.4	0.4	0.0512
83	85.00	12	20353.	0.5	0.5	0.0743
84	83.00	17	32560.	0.8	0.8	0.1189
85	82.00	8	1040.	0.0	0.0	0.0038
86	81.00	12	5009.	0.1	0.1	0.0183
87	80.00	21	141988.	3.7	3.7	0.5183
88	79.00	43	2224256.	57.5	57.5	8.1192*
89	78.00	25	354784.	9.2	9.2	1.2951
90	77.00	20	1000176.	25.8	25.8	3.6509*
91	76.00	21	147000.	3.8	3.8	0.5366*
92	75.00	21	104464.	2.7	2.7	0.3813*
93	74.00	17	96224.	2.5	2.5	0.3512*
94	73.00	12	16224.	0.4	0.4	0.0592*
95	71.00	14	2327.	0.1	0.1	0.0085
96	70.00	21	108800.	2.8	2.8	0.3972
97	69.00	35	3263360.	84.3	84.3	*11.91*
98	68.00	8	2413.	0.1	0.1	0.0088
99	66.00	21	84204.	2.2	2.2	0.3074*
100	65.00	35	1299648.	33.6	33.6	4.7441*
101	64.00	21	131112.	3.4	3.4	0.4786*
102	63.00	29	404272.	10.4	10.4	1.4757*
103	62.00	21	109668.	2.8	2.8	0.4003*
104	61.00	14	35583.	0.9	0.9	0.1299
105	59.00	17	21360.	0.6	0.6	0.0780*
106	58.00	51	271520.	7.0	7.0	0.9911*
107	57.00	35	41797.	1.1	1.1	0.1526*
108	56.00	35	114252.	3.0	3.0	0.4171*
109	55.00	8	10741.	0.3	0.3	0.0392
110	54.00	12	10884.	0.3	0.3	0.0397*

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	53.00	14	34171.	0.9	0.9	0.1247
112	52.00	21	216300.	5.6	5.6	0.7896
113	51.00	29	1020256.	26.4	26.4	3.7242*
114	50.00	25	570448.	14.7	14.7	2.0823
115	49.00	17	33279.	0.9	0.9	0.1215*
116	47.00	12	11949.	0.3	0.3	0.0436*
117	46.00	8	3504.	0.1	0.1	0.0128*
118	45.00	14	37313.	1.0	1.0	0.1362*
119	44.00	21	66456.	1.7	1.7	0.2426*
120	43.00	17	16139.	0.4	0.4	0.0589
121	42.00	17	60673.	1.6	1.6	0.2215*
122	41.00	25	183348.	4.7	4.7	0.6693*
123	40.00	17	70712.	1.0	1.0	0.2581
124	39.00	29	851200.	22.0	22.0	3.1071*
125	38.00	25	144100.	3.7	3.7	0.5263*
126	37.00	14	37710.	1.0	1 0	0.1377
127	36.00	12	22334.	0.6	0.6	0.0815*
128	35.00	6	1086.	0.0	0.0	0.0040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2,6-dimethylaniline, di-(trifluoroacetamide)
RELATIVE INTENSITY (%)
100
90
80
70
60
50
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0
69
313
216
105
91
147
39
50
100
150
200
250
300
350
400
m/z

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. NREF	% TOT. ION
1	402.00	6	1027.	0.0	0.0023
2	399.00	6	437.	0.0	0.0010
3	341.00	8	937.	0.0	0.0021
4	327.00	8	1772.	0.0	0.0040
5	326.00	8	1045.	0.0	0.0024
6	316.00	8	5459.	0.1	0.0125
7	315.00	12	37939.	0.8	0.0866
8	314.00	25	361888.	7.5	0.8263*
9	313.00	43	2646656.	54.6	6.0434*
10	312.00	17	15568.	0.3	0.0355*
11	311.00	14	8558.	0.2	0.0195*
12	298.00	10	6892.	0.1	0.0157
13	295.00	10	4927.	0.1	0.0113
14	294.00	10	18934.	0.4	0.0432
15	292.00	8	2290.	0.0	0.0052
16	285.00	6	1801.	0.0	0.0041
17	284.00	6	1005.	0.0	0.0023
18	275.00	8	1132.	0.0	0.0026
19	270.00	10	19071.	0.4	0.0435
20	255.00	8	1057.	0.0	0.0024
21	250.00	8	1865.	0.0	0.0043
22	248.00	6	2944.	0.1	0.0067
23	247.00	12	15505.	0.3	0.0354
24	246.00	21	135392.	2.8	0.3092*
25	245.00	14	38784.	0.8	0.0886
26	244.00	21	265024.	5.5	0.6052*
27	243.00	8	6128.	0.1	0.0140
28	235.00	6	789.	0.0	0.0018
29	234.00	8	2226.	0.0	0.0051
30	228.00	6	3816.	0.1	0.0087
31	226.00	10	14202.	0.3	0.0324
32	224.00	8	10719.	0.2	0.0245
33	222.00	6	826.	0.0	0.0019
34	219.00	8	3904.	0.1	0.0089
35	218.00	14	53638.	1.1	0.1225
36	217.00	29	276208.	5.7	0.6307*
37	216.00	43	2482880.	51.2	5.6694*
38	215.00	21	60793.	1.3	0.1388*
39	214.00	17	90836.	1.9	0.2074
40	213.00	8	883.	0.0	0.0020
41	212.00	6	1427.	0.0	0.0033
42	211.00	8	1619.	0.0	0.0037
43	208.00	8	920.	0.0	0.0021
44	207.00	6	1886.	0.0	0.0043
45	206.00	6	636.	0.0	0.0015
46	204.00	12	17632.	0.4	0.0403
47	203.00	10	4057.	0.1	0.0093
48	202.00	19	18307.	0.4	0.0418
49	201.00	21	162052.	3.3	0.3700*
50	200.00	35	868304.	17.9	1.9827*
51	199.00	35	368352.	7.6	0.8411*
52	198.00	29	307424.	6.3	0.7020*
53	197.00	25	47289.	1.0	0.1080*
54	196.00	21	209276.	4.3	0.4779*
55	195.00	10	3043.	0.1	0.0069

PAGE 2

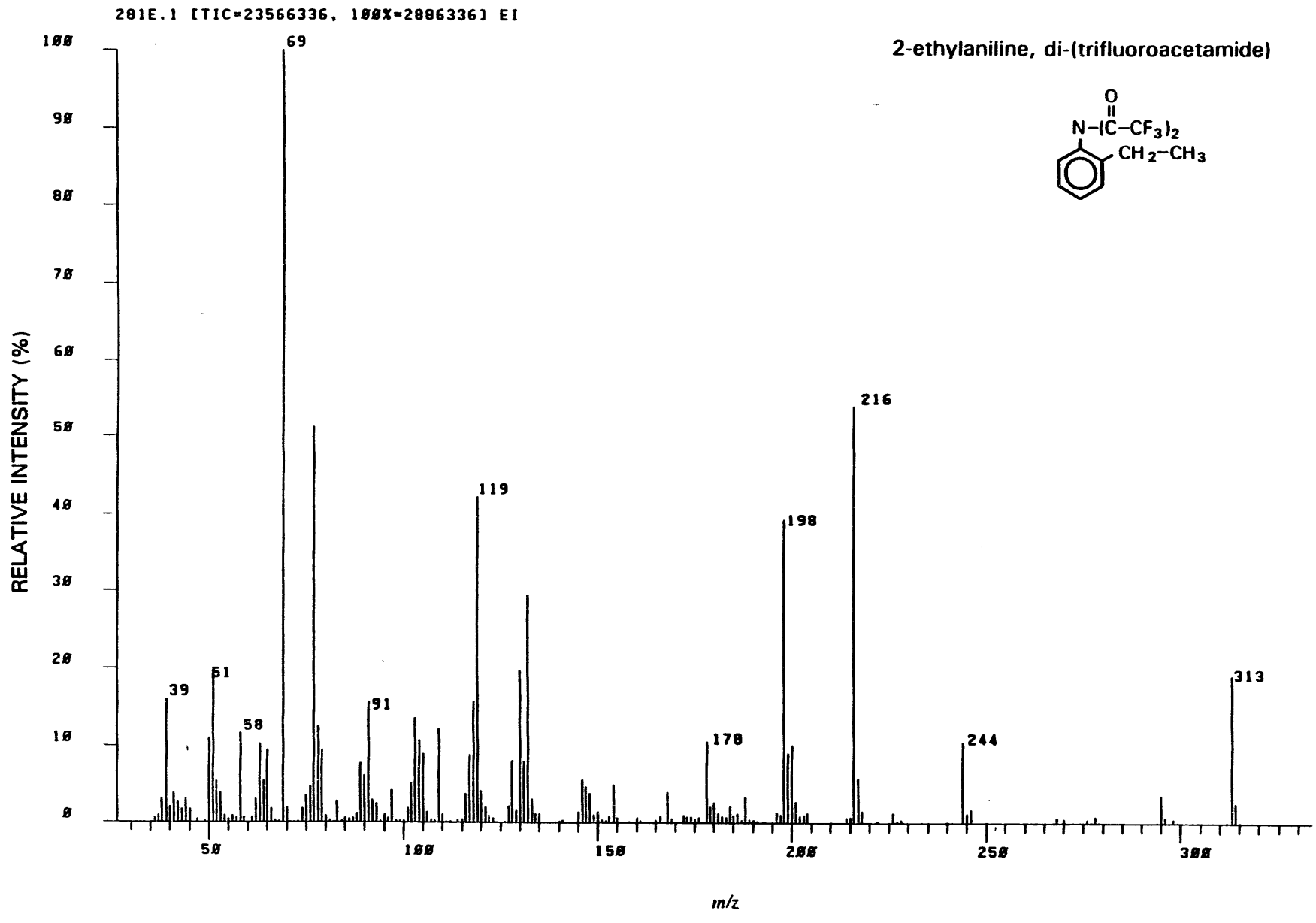
PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. NREF	% TOT. ION
56	194.00	8	3375.	0.1	0.0077
57	193.00	6	1306.	0.0	0.0030
58	192.00	8	4504.	0.1	0.0103*
59	191.00	12	9997.	0.2	0.0228*
60	190.00	10	7525.	0.2	0.0172*
61	189.00	17	29160.	0.6	0.0666
62	188.00	17	45663.	0.9	0.1043*
63	187.00	10	1241.	0.0	0.0028
64	186.00	10	17140.	0.4	0.0391
65	185.00	17	98332.	2.0	0.2245
66	184.00	8	9951.	0.2	0.0227
67	183.00	8	14185.	0.3	0.0324
68	182.00	12	22151.	0.5	0.0506*
69	181.00	17	39269.	0.8	0.0897
70	180.00	21	231488.	4.8	0.5286
71	179.00	29	206384.	4.3	0.4713*
72	178.00	25	96652.	2.0	0.2207*
73	177.00	17	11886.	0.2	0.0271*
74	176.00	14	33495.	0.7	0.0765
75	175.00	17	38375.	0.8	0.0876*
76	174.00	17	56123.	1.2	0.1282
77	173.00	12	26087.	0.5	0.0596
78	172.00	10	15349.	0.3	0.0350
79	171.00	12	3505.	0.1	0.0080*
80	170.00	10	4065.	0.1	0.0093
81	169.00	21	64044.	1.3	0.1462*
82	168.00	29	504240.	10.4	1.1514*
83	167.00	10	11446.	0.2	0.0261
84	166.00	12	17651.	0.4	0.0403
85	165.00	10	7301.	0.2	0.0167*
86	164.00	17	24930.	0.5	0.0569*
87	163.00	10	5630.	0.1	0.0130
88	162.00	12	7883.	0.2	0.0180*
89	161.00	10	13478.	0.3	0.0308*
90	160.00	17	18087.	0.4	0.0413*
91	159.00	10	9160.	0.2	0.0209
92	158.00	10	14706.	0.3	0.0336
93	157.00	6	680.	0.0	0.0016
94	156.00	8	6175.	0.1	0.0141
95	155.00	10	11122.	0.2	0.0254
96	154.00	12	25216.	0.5	0.0576
97	153.00	12	29102.	0.6	0.0665
98	152.00	12	21163.	0.4	0.0483*
99	151.00	17	30813.	0.6	0.0704*
100	150.00	21	84392.	1.7	0.1927*
101	149.00	29	80620.	1.7	0.1841*
102	148.00	35	323712.	6.7	0.7392*
103	147.00	35	1406912.	29.0	3.2125*
104	146.00	35	766080.	15.8	1.7493*
105	145.00	17	27482.	0.6	0.0628*
106	144.00	8	6419.	0.1	0.0147
107	143.00	12	2571.	0.1	0.0059
108	142.00	8	8305.	0.2	0.0190
109	141.00	21	72372.	1.5	0.1653
110	140.00	10	4816.	0.1	0.0110

PAGE 3

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. NREF	% TOT. ION
111	139.00	14	17289.	0.4	0.0395
112	138.00	21	137636.	2.8	0.3143*
113	137.00	8	1245.	0.0	0.0028
114	136.00	12	21391.	0.4	0.0488*
115	135.00	12	20459.	0.4	0.0467
116	134.00	10	19321.	0.4	0.0441
117	133.00	17	82460.	1.7	0.1883*
118	132.00	43	673424.	13.9	1.5377*
119	131.00	43	926800.	19.1	2.1163*
120	130.00	43	969664.	20.0	2.2141*
121	129.00	29	43110.	0.9	0.0984*
122	128.00	21	59565.	1.2	0.1360*
123	127.00	17	31346.	0.6	0.0716*
124	126.00	8	11913.	0.2	0.0272*
125	125.00	10	14117.	0.3	0.0322*
126	124.00	17	58824.	1.2	0.1343
127	123.00	25	181000.	3.8	0.4153*
128	122.00	17	102948.	2.1	0.2351
129	121.00	35	1053824.	21.7	2.4063*
130	120.00	21	120020.	2.7	0.2942*
131	119.00	35	963360.	19.9	2.1997*
132	118.00	43	963560.	19.9	2.2002*
133	117.00	51	301552.	6.2	0.6886*
134	116.00	25	245760.	5.1	0.5612*
135	115.00	10	11676.	0.2	0.0267
136	114.00	10	9866.	0.2	0.0225*
137	113.00	6	1193.	0.0	0.0027
138	112.00	17	2818.	0.1	0.0064*
139	111.00	8	1217.	0.0	0.0028
140	110.00	10	14699.	0.3	0.0336
141	109.00	17	72060.	1.5	0.1645
142	108.00	8	3166.	0.1	0.0072
143	107.00	12	21696.	0.4	0.0495*
144	106.00	21	189460.	3.9	0.4326
145	105.00	43	2040120.	42.1	4.6584*
146	104.00	29	540600.	11.2	1.2346*
147	103.00	29	795200.	16.4	1.8159*
148	102.00	25	176920.	3.7	0.4040*
149	101.00	35	95724.	2.0	0.2186*
150	100.00	17	16134.	0.3	0.0368*
151	99.00	10	9881.	0.2	0.0226*
152	98.00	14	12749.	0.3	0.0291*
153	97.00	29	222588.	4.6	0.5083*
154	96.00	29	56480.	1.2	0.1290*
155	95.00	12	23770.	0.5	0.0543*
156	94.00	14	23791.	0.5	0.0543*
157	93.00	25	280600.	5.8	0.6407*
158	92.00	29	504864.	10.4	1.1528*
159	91.00	35	1696448.	35.0	3.8737*
160	90.00	35	242752.	5.0	0.5543*
161	89.00	29	335968.	6.9	0.7671*
162	88.00	17	44700.	0.9	0.1021*
163	87.00	17	37885.	0.8	0.0865*
164	86.00	21	35383.	0.7	0.0808*
165	85.00	17	21807.	0.4	0.0498*

PAGE 4

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. NREF	% TOT. ION
166	84.00	6	1346.	0.0	0.0031
167	83.00	12	26654.	0.5	0.0609*
168	82.00	17	10037.	0.2	0.0229*
169	81.00	10	10477.	0.2	0.0239*
170	80.00	21	68100.	1.4	0.1555
171	79.00	25	796704.	16.4	1.8194*
172	78.00	29	702896.	14.5	1.6050*
173	77.00	35	2077760.	42.9	4.7443*
174	76.00	25	204320.	4.2	0.4665*
175	75.00	25	135876.	2.8	0.3103*
176	74.00	21	76200.	1.6	0.1740*
177	73.00	17	20180.	0.4	0.0461*
178	72.00	8	1001.	0.0	0.0023
179	71.00	10	14025.	0.3	0.0320*
180	70.00	21	63000.	1.3	0.1440*
181	69.00	51	4846336.	100.0	*11.06*
182	68.00	25	30960.	0.6	0.0707*
183	67.00	17	46611.	1.0	0.1064*
184	66.00	21	171052.	3.5	0.3906
185	65.00	35	1021552.	21.1	2.3326*
186	64.00	25	256792.	5.3	0.5864*
187	63.00	29	533000.	11.0	1.2171*
188	62.00	21	137676.	2.8	0.3144
189	61.00	17	42584.	0.9	0.0972
190	60.00	14	3287.	0.1	0.0075*
191	59.00	12	11424.	0.2	0.0261*
192	58.00	17	28405.	0.6	0.0649*
193	57.00	17	22136.	0.5	0.0505*
194	56.00	17	24823.	0.5	0.0567*
195	55.00	10	13916.	0.3	0.0318
196	54.00	21	64529.	1.3	0.1473*
197	53.00	25	357424.	7.4	0.8161
198	52.00	25	414096.	8.5	0.9455*
199	51.00	29	883760.	18.2	2.0180
200	50.00	25	461616.	9.5	1.0541
201	49.00	12	7923.	0.2	0.0181*
202	48.00	8	1807.	0.0	0.0041
203	47.00	12	26584.	0.5	0.0607
204	46.00	6	2005.	0.1	0.0064
205	45.00	8	8084.	0.2	0.0185
206	44.00	21	79100.	1.6	0.1806*
207	43.00	21	167144.	3.4	0.3817
208	42.00	17	56798.	1.2	0.1297*
209	41.00	21	316560.	6.5	0.7228
210	40.00	29	183324.	3.8	0.4186*
211	39.00	35	1289536.	26.6	2.9445*
212	38.00	29	168036.	3.5	0.3837*
213	37.00	17	43730.	0.9	0.0999*
214	36.00	14	32111.	0.7	0.0733
215	35.00	10	6110.	0.1	0.0140*


281E.1 [TIC=23566336, 100%=2886336] EI
2-ethylaniline, di-(trifluoroacetamide)
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
50
100
150
200
250
300
m/z
69
216
119
198
313
39
51
58
91
178
244

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	328.00	6	159.	0.0	0.0	0.0007
2	315.00	10	3643.	0.1	0.1	0.0155
3	314.00	17	76168.	2.6	2.6	0.3232
4	313.00	29	553680.	19.2	19.2	2.3495*
5	312.00	8	2666.	0.1	0.1	0.0113
6	311.00	8	1387.	0.0	0.0	0.0059
7	299.00	8	3006.	0.1	0.1	0.0128
8	298.00	10	16688.	0.6	0.6	0.0708
9	296.00	12	22763.	0.8	0.8	0.0966
10	295.00	21	107140.	3.7	3.7	0.4546*
11	294.00	8	4148.	0.1	0.1	0.0176
12	293.00	8	1504.	0.1	0.1	0.0064
13	279.00	8	2905.	0.1	0.1	0.0123
14	278.00	12	25739.	0.9	0.9	0.1092
15	277.00	6	3402.	0.1	0.1	0.0148
16	276.00	8	12506.	0.4	0.4	0.0531
17	275.00	6	1065.	0.0	0.0	0.0045
18	273.00	6	994.	0.0	0.0	0.0042
19	270.00	10	16190.	0.6	0.6	0.0687
20	268.00	10	19555.	0.7	0.7	0.0830
21	256.00	6	1691.	0.1	0.1	0.0072
22	250.00	6	3820.	0.1	0.1	0.0162
23	247.00	12	1875.	0.1	0.1	0.0080*
24	246.00	14	51615.	1.8	1.8	0.2190
25	245.00	14	38013.	1.3	1.3	0.1613*
26	244.00	21	305904.	10.6	10.6	1.2981
27	242.00	6	1326.	0.0	0.0	0.0056
28	240.00	10	3187.	0.1	0.1	0.0135
29	238.00	6	2105.	0.1	0.1	0.0089
30	231.00	6	1339.	0.0	0.0	0.0057
31	228.00	10	14525.	0.5	0.5	0.0616
32	227.00	8	5459.	0.2	0.2	0.0232
33	226.00	14	39304.	1.4	1.4	0.1668
34	225.00	8	922.	0.0	0.0	0.0039
35	224.00	8	1455.	0.1	0.1	0.0062
36	223.00	8	1193.	0.0	0.0	0.0051
37	222.00	10	8750.	0.3	0.3	0.0371
38	219.00	10	3220.	0.1	0.1	0.0137
39	218.00	14	47215.	1.6	1.6	0.2003
40	217.00	25	171952.	6.0	6.0	0.7297*
41	216.00	43	1556200.	53.9	53.9	6.6039*
42	215.00	17	22570.	0.8	0.8	0.0958*
43	214.00	10	21314.	0.7	0.7	0.0904
44	208.00	6	1210.	0.0	0.0	0.0052
45	205.00	6	1054.	0.0	0.0	0.0045
46	204.00	17	36013.	1.2	1.2	0.1528
47	203.00	12	29807.	1.0	1.0	0.1265
48	202.00	12	27365.	0.9	0.9	0.1161
49	201.00	17	80260.	2.8	2.8	0.3406
50	200.00	21	293424.	10.2	10.2	1.2451
51	199.00	29	266016.	9.2	9.2	1.1288*
52	198.00	35	1138432.	39.4	39.4	4.8308
53	197.00	21	31509.	1.1	1.1	0.1337*
54	196.00	14	38713.	1.3	1.3	0.1643*
55	195.00	12	4007.	0.1	0.1	0.0173

PAGE 2

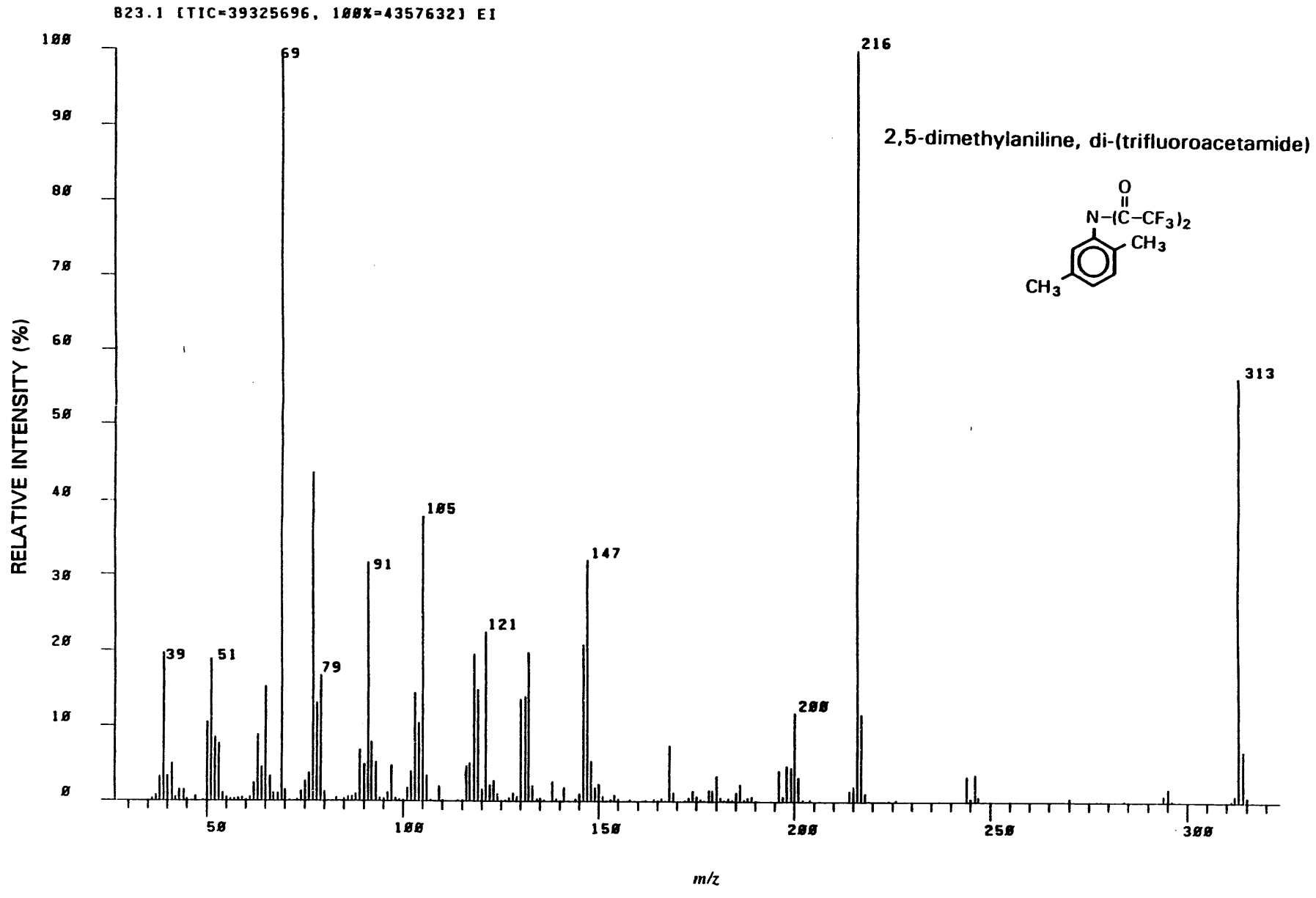
PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	194.00	8	1794.	0.1	0.1	0.0076
57	193.00	8	2809.	0.1	0.1	0.0119
58	192.00	8	2017.	0.1	0.1	0.0086
59	191.00	12	7639.	0.3	0.3	0.0324*
60	190.00	12	9946.	0.3	0.3	0.0422*
61	189.00	10	12847.	0.4	0.4	0.0545
62	188.00	17	96828.	3.4	3.4	0.4109*
63	187.00	10	10323.	0.4	0.4	0.0438
64	186.00	12	36534.	1.3	1.3	0.1550
65	185.00	12	30559.	1.1	1.1	0.1297
66	184.00	17	63853.	2.2	2.2	0.2710
67	183.00	17	23528.	0.8	0.8	0.0998*
68	182.00	21	25510.	0.9	0.9	0.1082*
69	181.00	21	36299.	1.3	1.3	0.1540*
70	180.00	29	79140.	2.7	2.7	0.3358*
71	179.00	17	59736.	2.1	2.1	0.2535*
72	178.00	21	305200.	10.6	10.6	1.2951*
73	177.00	6	3775.	0.1	0.1	0.0160
74	176.00	12	21424.	0.7	0.7	0.0909
75	175.00	12	18838.	0.7	0.7	0.0799
76	174.00	12	22773.	0.8	0.8	0.0966*
77	173.00	12	22807.	0.8	0.8	0.0968
78	172.00	12	30597.	1.1	1.1	0.1298
79	169.00	10	17577.	0.6	0.6	0.0746
80	168.00	17	117796.	4.1	4.1	0.4998
81	166.00	12	25118.	0.9	0.9	0.1066
82	165.00	8	10045.	0.3	0.3	0.0426
83	164.00	8	4196.	0.1	0.1	0.0178
84	162.00	8	3581.	0.1	0.1	0.0152
85	161.00	10	8396.	0.3	0.3	0.0356*
86	160.00	17	20675.	0.7	0.7	0.0877*
87	159.00	8	4092.	0.1	0.1	0.0174
88	158.00	8	5641.	0.2	0.2	0.0239
89	155.00	14	20105.	0.7	0.7	0.0853*
90	154.00	17	144900.	5.0	5.0	0.6149*
91	153.00	12	25017.	0.9	0.9	0.1062*
92	152.00	10	9447.	0.3	0.3	0.0401
93	151.00	12	12361.	0.4	0.4	0.0525
94	150.00	17	41505.	1.4	1.4	0.1761*
95	149.00	14	28964.	1.0	1.0	0.1229*
96	148.00	17	110588.	3.8	3.8	0.4693*
97	147.00	17	137700.	4.8	4.8	0.5843
98	146.00	25	164268.	5.7	5.7	0.6970*
99	145.00	17	42980.	1.5	1.5	0.1824*
100	144.00	10	3713.	0.1	0.1	0.0158
101	143.00	8	1001.	0.0	0.0	0.0042
102	142.00	6	834.	0.0	0.0	0.0035
103	141.00	10	9692.	0.3	0.3	0.0411
104	140.00	10	4873.	0.2	0.2	0.0207
105	139.00	6	4189.	0.1	0.1	0.0178
106	137.00	6	3086.	0.1	0.1	0.0131
107	136.00	8	2190.	0.1	0.1	0.0093
108	135.00	14	35545.	1.2	1.2	0.1508
109	134.00	14	35214.	1.2	1.2	0.1494
110	133.00	17	89612.	3.1	3.1	0.3803

PAGE 3

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	132.00	35	849904.	29.4	29.4	3.6864*
112	131.00	25	234272.	8.1	8.1	0.9941*
113	130.00	35	570800.	19.8	19.8	2.4221*
114	129.00	17	51464.	1.8	1.8	0.2184*
115	128.00	21	235548.	8.2	8.2	0.9995
116	127.00	17	63499.	2.2	2.2	0.2694*
117	126.00	10	5977.	0.2	0.2	0.0254
118	124.00	8	979.	0.0	0.0	0.0042
119	123.00	12	17724.	0.6	0.6	0.0752
120	122.00	12	26687.	0.9	0.9	0.1132
121	121.00	17	59207.	2.1	2.1	0.2512
122	120.00	17	120756.	4.2	4.2	0.5124
123	119.00	35	1218304.	42.2	42.2	5.1697*
124	118.00	35	457744.	15.9	15.9	1.9424*
125	117.00	35	258048.	8.9	8.9	1.0958*
126	116.00	21	109788.	3.8	3.8	0.4659
127	115.00	10	12579.	0.4	0.4	0.0534
128	114.00	8	9782.	0.3	0.3	0.0415
129	113.00	8	1684.	0.1	0.1	0.0071
130	112.00	8	5390.	0.2	0.2	0.0229
131	111.00	10	5988.	0.2	0.2	0.0254*
132	110.00	12	31135.	1.1	1.1	0.1321
133	109.00	25	353376.	12.2	12.2	1.4995*
134	108.00	10	11744.	0.4	0.4	0.0498*
135	107.00	12	12441.	0.4	0.4	0.0528
136	106.00	17	41717.	1.4	1.4	0.1770*
137	105.00	21	260852.	9.0	9.0	1.1069*
138	104.00	25	310048.	10.7	10.7	1.3156*
139	103.00	25	394368.	13.7	13.7	1.6734*
140	102.00	21	151528.	5.2	5.2	0.6430*
141	101.00	17	56072.	1.9	1.9	0.2379*
142	100.00	12	7493.	0.3	0.3	0.0318*
143	99.00	10	9215.	0.3	0.3	0.0391
144	98.00	10	9678.	0.3	0.3	0.0411
145	97.00	21	122620.	4.2	4.2	0.5203
146	96.00	12	18871.	0.7	0.7	0.0801
147	95.00	17	32167.	1.1	1.1	0.1365*
148	94.00	10	11094.	0.4	0.4	0.0505
149	93.00	17	74288.	2.6	2.6	0.3152*
150	92.00	21	86720.	3.0	3.0	0.3680*
151	91.00	25	453152.	15.7	15.7	1.9229*
152	90.00	21	180500.	6.3	6.3	0.7659*
153	89.00	21	226956.	7.9	7.9	0.9631*
154	88.00	17	37581.	1.3	1.3	0.1595*
155	87.00	10	21776.	0.8	0.8	0.0924
156	86.00	12	15066.	0.5	0.5	0.0639*
157	85.00	12	19268.	0.7	0.7	0.0818*
158	84.00	10	8977.	0.3	0.3	0.0381
159	83.00	17	79500.	2.8	2.8	0.3377
160	82.00	8	5300.	0.2	0.2	0.0225
161	81.00	12	9888.	0.3	0.3	0.0420*
162	80.00	14	26568.	0.9	0.9	0.1127*
163	79.00	21	275800.	9.6	9.6	1.1703
164	78.00	25	363616.	12.6	12.6	1.5429
165	77.00	35	1479488.	51.3	51.3	6.2780*

PAGE 4

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
166	76.00	21	139004.	4.8	4.8	0.5898
167	75.00	21	102140.	3.5	3.5	0.4334*
168	74.00	17	54043.	1.9	1.9	0.2327
169	73.00	8	4751.	0.2	0.2	0.0202
170	72.00	10	3726.	0.1	0.1	0.0158
171	71.00	12	5937.	0.2	0.2	0.0252*
172	70.00	25	58384.	2.0	2.0	0.2477*
173	69.00	43	2886336.	100.0	100.0	*12.24*
174	68.00	8	9360.	0.3	0.3	0.0397*
175	67.00	12	11542.	0.4	0.4	0.0490*
176	66.00	21	54470.	1.9	1.9	0.2312*
177	65.00	21	274336.	9.5	9.5	1.1641
178	64.00	21	159416.	5.5	5.5	0.6765*
179	63.00	21	297040.	10.3	10.3	1.2604
180	62.00	17	90004.	3.1	3.1	0.3819*
181	61.00	12	22241.	0.8	0.8	0.0944*
182	59.00	14	21756.	0.8	0.8	0.0923
183	58.00	35	336224.	11.6	11.6	1.4267*
184	57.00	17	19515.	0.7	0.7	0.0828*
185	56.00	14	26948.	0.9	0.9	0.1143*
186	55.00	10	16601.	0.6	0.6	0.0704
187	54.00	14	28986.	1.0	1.0	0.1230*
188	53.00	21	115300.	4.0	4.0	0.4893
189	52.00	21	150500.	5.5	5.5	0.6729
190	51.00	25	571456.	19.8	19.8	2.4249*
191	50.00	25	317904.	11.0	11.0	1.3490
192	49.00	10	7358.	0.3	0.3	0.0312
193	47.00	17	14247.	0.5	0.5	0.0605*
194	45.00	14	50826.	1.8	1.8	0.2157
195	44.00	21	89004.	3.1	3.1	0.3780*
196	43.00	17	51480.	1.8	1.8	0.2185
197	42.00	17	78800.	2.7	2.7	0.3344*
198	41.00	21	111500.	3.9	3.9	0.4735
199	40.00	17	60929.	2.1	2.1	0.2585*
200	39.00	21	463000.	16.1	16.1	1.9681
201	38.00	21	91060.	3.2	3.2	0.3864*
202	37.00	14	29532.	1.0	1.0	0.1253
203	36.00	12	17604.	0.6	0.6	0.0747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RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
50
100
150
200
250
300
m/z
69
216
313
105
91
147
121
39
51
79
200
2,5-dimethylaniline, di-(trifluoroacetamide)
O
N-(C-CF3)2
CH3
CH3

PAGE 1

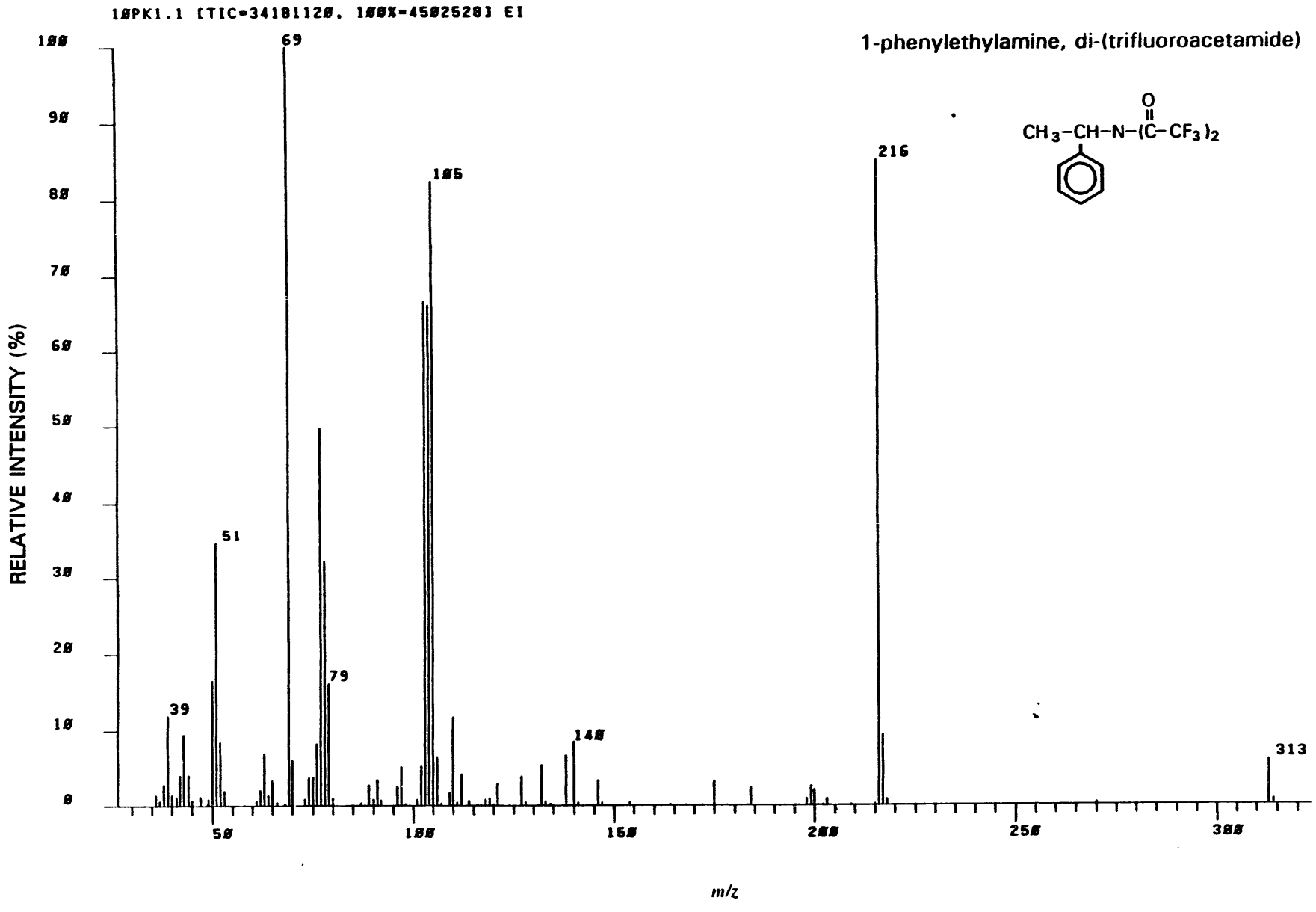
PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	316.00	8	1689.	0.0	0.0	0.0041
2	315.00	17	32546.	0.7	0.7	0.0828
3	314.00	25	293712.	6.7	6.7	0.7469*
4	313.00	35	2449792.	56.2	56.2	6.2296*
5	312.00	25	40714.	0.9	0.9	0.1035*
6	311.00	14	12664.	0.3	0.3	0.0322*
7	310.00	8	905.	0.0	0.0	0.0023
8	298.00	10	6585.	0.2	0.2	0.0167
9	297.00	10	1181.	0.0	0.0	0.0030
10	296.00	10	11059.	0.3	0.3	0.0281
11	295.00	17	77984.	1.8	1.8	0.1983*
12	294.00	14	36307.	0.8	0.8	0.0923
13	284.00	10	8935.	0.2	0.2	0.0227
14	281.00	8	2146.	0.0	0.0	0.0055
15	280.00	8	2234.	0.1	0.1	0.0057
16	279.00	17	1548.	0.0	0.0	0.0039*
17	278.00	17	4920.	0.1	0.1	0.0125*
18	277.00	8	3676.	0.1	0.1	0.0093
19	271.00	6	959.	0.0	0.0	0.0024
20	270.00	10	24678.	0.6	0.6	0.0628
21	269.00	6	1330.	0.0	0.0	0.0034
22	264.00	8	955.	0.0	0.0	0.0024
23	250.00	8	825.	0.0	0.0	0.0021
24	248.00	6	1047.	0.0	0.0	0.0027
25	247.00	14	32039.	0.7	0.7	0.0815
26	246.00	21	159088.	3.7	3.7	0.4045*
27	245.00	10	20306.	0.5	0.5	0.0516
28	244.00	21	147312.	3.4	3.4	0.3746*
29	243.00	6	1689.	0.0	0.0	0.0043
30	242.00	6	928.	0.0	0.0	0.0024
31	240.00	8	820.	0.0	0.0	0.0021
32	236.00	12	1919.	0.0	0.0	0.0049*
33	231.00	8	1767.	0.0	0.0	0.0045
34	229.00	6	1118.	0.0	0.0	0.0028
35	228.00	8	886.	0.0	0.0	0.0023
36	226.00	10	11242.	0.3	0.3	0.0286
37	224.00	8	7584.	0.2	0.2	0.0193
38	223.00	6	825.	0.0	0.0	0.0021
39	219.00	8	7284.	0.2	0.2	0.0185
40	218.00	17	53843.	1.2	1.2	0.1369*
41	217.00	35	503584.	11.6	11.6	1.2805*
42	216.00	43	4357632.	100.0	100.0	*11.08*
43	215.00	35	89076.	2.0	2.0	0.2265*
44	214.00	25	63750.	1.5	1.5	0.1621*
45	213.00	8	1538.	0.0	0.0	0.0039
46	210.00	6	688.	0.0	0.0	0.0017
47	207.00	14	2220.	0.1	0.1	0.0056*
48	205.00	10	3074.	0.1	0.1	0.0078
49	204.00	12	16454.	0.4	0.4	0.0418
50	203.00	8	3309.	0.1	0.1	0.0084
51	202.00	10	11213.	0.3	0.3	0.0285
52	201.00	21	138332.	3.2	3.2	0.3518*
53	200.00	29	514048.	11.8	11.8	1.3072*
54	199.00	25	198556.	4.6	4.6	0.5049*
55	198.00	29	208804.	4.8	4.8	0.5310*

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	197.00	21	31780.	0.7	0.7	0.0808*
57	196.00	21	182396.	4.2	4.2	0.4638*
58	194.00	10	5918.	0.1	0.1	0.0150
59	192.00	10	3258.	0.1	0.1	0.0083*
60	190.00	10	6413.	0.1	0.1	0.0163*
61	189.00	17	32171.	0.7	0.7	0.0818*
62	188.00	12	22961.	0.5	0.5	0.0584
63	187.00	12	11705.	0.3	0.3	0.0298
64	186.00	17	97476.	2.2	2.2	0.2479
65	185.00	17	53703.	1.2	1.2	0.1366
66	184.00	10	11948.	0.3	0.3	0.0304
67	183.00	12	19741.	0.5	0.5	0.0502
68	182.00	8	9950.	0.2	0.2	0.0253
69	181.00	14	25698.	0.6	0.6	0.0653
70	180.00	17	150876.	3.5	3.5	0.3837
71	179.00	21	67560.	1.6	1.6	0.1718
72	178.00	25	65736.	1.5	1.5	0.1672*
73	177.00	12	9156.	0.2	0.2	0.0233
74	176.00	10	18099.	0.4	0.4	0.0460
75	175.00	12	32186.	0.7	0.7	0.0818
76	174.00	17	61664.	1.4	1.4	0.1568
77	173.00	12	23897.	0.5	0.5	0.0608
78	172.00	8	8691.	0.2	0.2	0.0221
79	171.00	12	3349.	0.1	0.1	0.0085
80	170.00	8	1406.	0.0	0.0	0.0036
81	169.00	17	57589.	1.3	1.3	0.1464*
82	168.00	25	324320.	7.4	7.4	0.8247*
83	167.00	10	6061.	0.1	0.1	0.0154*
84	166.00	12	18408.	0.4	0.4	0.0468*
85	165.00	10	7925.	0.2	0.2	0.0202
86	164.00	14	18216.	0.4	0.4	0.0463*
87	163.00	10	3102.	0.1	0.1	0.0079
88	162.00	10	8003.	0.2	0.2	0.0204
89	161.00	12	6237.	0.1	0.1	0.0159
90	160.00	17	3211.	0.1	0.1	0.0082*
91	159.00	8	5380.	0.1	0.1	0.0137
92	158.00	10	12698.	0.3	0.3	0.0323
93	155.00	12	17765.	0.4	0.4	0.0452
94	154.00	17	36507.	0.8	0.8	0.0928*
95	153.00	10	13224.	0.3	0.3	0.0336
96	152.00	10	8891.	0.2	0.2	0.0226
97	151.00	14	31661.	0.7	0.7	0.0805
98	150.00	35	100204.	2.3	2.3	0.2548*
99	149.00	43	83264.	1.9	1.9	0.2117*
100	148.00	25	233360.	5.4	5.4	0.5934*
101	147.00	43	1392704.	32.0	32.0	3.5415*
102	146.00	43	903568.	20.7	20.7	2.2977*
103	145.00	21	43781.	1.0	1.0	0.1113*
104	144.00	17	15344.	0.4	0.4	0.0390*
105	143.00	12	1808.	0.0	0.0	0.0046*
106	142.00	10	6461.	0.1	0.1	0.0164
107	141.00	17	83540.	1.9	1.9	0.2124
108	140.00	8	6537.	0.2	0.2	0.0166
109	139.00	10	17918.	0.4	0.4	0.0456
110	138.00	17	114168.	2.6	2.6	0.2903

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	137.00	8	2311.	0.1	0.1	0.0059
112	136.00	14	14102.	0.3	0.3	0.0359*
113	135.00	12	24231.	0.6	0.6	0.0616
114	134.00	12	15906.	0.4	0.4	0.0404*
115	133.00	21	93112.	2.1	2.1	0.2368*
116	132.00	35	859920.	19.7	19.7	2.1867*
117	131.00	35	605216.	13.9	13.9	1.5390*
118	130.00	35	592560.	13.6	13.6	1.5068*
119	129.00	21	32279.	0.7	0.7	0.0821*
120	128.00	17	47709.	1.1	1.1	0.1213*
121	127.00	17	22796.	0.5	0.5	0.0580*
122	126.00	10	7217.	0.2	0.2	0.0184
123	125.00	10	9584.	0.2	0.2	0.0244*
124	124.00	21	45599.	1.0	1.0	0.1160
125	123.00	21	122276.	2.8	2.8	0.3109*
126	122.00	17	94980.	2.2	2.2	0.2415*
127	121.00	35	974816.	22.4	22.4	2.4788*
128	120.00	25	73680.	1.7	1.7	0.1874*
129	119.00	29	644672.	14.8	14.8	1.6393*
130	118.00	43	850352.	19.5	19.5	2.1623*
131	117.00	43	224204.	5.1	5.1	0.5701*
132	116.00	21	205464.	4.7	4.7	0.5225*
133	115.00	8	11892.	0.3	0.3	0.0302
134	114.00	10	8519.	0.2	0.2	0.0217
135	112.00	8	802.	0.0	0.0	0.0020
136	110.00	8	9421.	0.2	0.2	0.0240
137	109.00	17	88148.	2.0	2.0	0.2241
138	108.00	8	4662.	0.1	0.1	0.0119
139	107.00	12	11602.	0.3	0.3	0.0295*
140	106.00	17	151200.	3.5	3.5	0.3845
141	105.00	43	1653504.	37.9	37.9	4.2046*
142	104.00	35	453392.	10.4	10.4	1.1529*
143	103.00	29	623552.	14.3	14.3	1.5856*
144	102.00	21	177124.	4.1	4.1	0.4504*
145	101.00	35	80040.	1.8	1.8	0.2035*
146	100.00	10	8757.	0.2	0.2	0.0223
147	99.00	14	11032.	0.3	0.3	0.0281
148	98.00	17	20409.	0.5	0.5	0.0519*
149	97.00	29	208464.	4.8	4.8	0.5301*
150	96.00	35	51875.	1.2	1.2	0.1319*
151	95.00	14	16041.	0.4	0.4	0.0408*
152	94.00	14	20242.	0.5	0.5	0.0515*
153	93.00	21	227280.	5.2	5.2	0.5779
154	92.00	29	343744.	7.9	7.9	0.8741*
155	91.00	43	1375616.	31.6	31.6	3.4980*
156	90.00	35	215012.	4.9	4.9	0.5467*
157	89.00	29	296896.	6.8	6.8	0.7550*
158	88.00	21	45520.	1.0	1.0	0.1158*
159	87.00	12	29900.	0.7	0.7	0.0760
160	86.00	17	29902.	0.7	0.7	0.0760*
161	85.00	14	17164.	0.4	0.4	0.0436*
162	84.00	8	4417.	0.1	0.1	0.0112
163	83.00	12	24052.	0.6	0.6	0.0612
164	82.00	8	5403.	0.1	0.1	0.0137*
165	81.00	6	3947.	0.1	0.1	0.0100

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
166	80.00	17	57368.	1.3	1.3	0.1459
167	79.00	29	726624.	16.7	16.7	1.8477*
168	78.00	29	569296.	13.1	13.1	1.4476*
169	77.00	51	1900480.	43.6	43.6	4.8327*
170	76.00	25	165404.	3.8	3.8	0.4206*
171	75.00	21	117564.	2.7	2.7	0.2989*
172	74.00	17	61153.	1.4	1.4	0.1555
173	73.00	12	13271.	0.3	0.3	0.0337*
174	72.00	10	6111.	0.1	0.1	0.0155*
175	71.00	17	8741.	0.2	0.2	0.0222*
176	70.00	21	66700.	1.5	1.5	0.1696*
177	69.00	59	4305664.	98.8	98.8	*10.94*
178	68.00	25	47502.	1.1	1.1	0.1208*
179	67.00	17	47473.	1.1	1.1	0.1207
180	66.00	25	146180.	3.4	3.4	0.3717*
181	65.00	35	662944.	15.2	15.2	1.6858*
182	64.00	21	201792.	4.6	4.6	0.5131
183	63.00	25	384352.	8.8	8.8	0.9774*
184	62.00	21	105476.	2.4	2.4	0.2682*
185	61.00	17	28471.	0.7	0.7	0.0724
186	60.00	10	7381.	0.2	0.2	0.0188*
187	59.00	21	22228.	0.5	0.5	0.0565*
188	58.00	17	21950.	0.5	0.5	0.0558*
189	57.00	17	16864.	0.4	0.4	0.0429*
190	56.00	12	15292.	0.4	0.4	0.0389*
191	55.00	17	25652.	0.6	0.6	0.0652*
192	54.00	17	49972.	1.1	1.1	0.1271
193	53.00	21	333232.	7.6	7.6	0.8474
194	52.00	25	370272.	8.5	8.5	0.9416*
195	51.00	29	818432.	18.8	18.8	2.0812*
196	50.00	25	457488.	10.5	10.5	1.1633
197	49.00	17	8696.	0.2	0.2	0.0221*
198	48.00	10	2311.	0.1	0.1	0.0059
199	47.00	17	30221.	0.7	0.7	0.0768*
200	46.00	8	4265.	0.1	0.1	0.0108
201	45.00	17	17618.	0.4	0.4	0.0448*
202	44.00	21	66512.	1.5	1.5	0.1691*
203	43.00	17	70708.	1.6	1.6	0.1798
204	42.00	14	26480.	0.6	0.6	0.0673*
205	41.00	25	220812.	5.1	5.1	0.5615
206	40.00	21	146888.	3.4	3.4	0.3735
207	39.00	25	855248.	19.6	19.6	2.1748
208	38.00	25	144104.	3.3	3.3	0.3664*
209	37.00	17	36402.	0.8	0.8	0.0926*
210	36.00	14	18476.	0.4	0.4	0.0470
211	35.00	10	4129.	0.1	0.1	0.0105*


10PK1.1 [TIC=3418112Ø, 1ØØ%=45Ø2528] EI
1-phenylethylamine, di-(trifluoroacetamide)
CH3–CH–N–(C–CF3)2
O
RELATIVE INTENSITY (%)
1ØØ
9Ø
8Ø
7Ø
6Ø
5Ø
4Ø
3Ø
2Ø
1Ø
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216
1Ø5
51
79
39
14Ø
313
5Ø
1ØØ
15Ø
2ØØ
25Ø
3ØØ
m/z

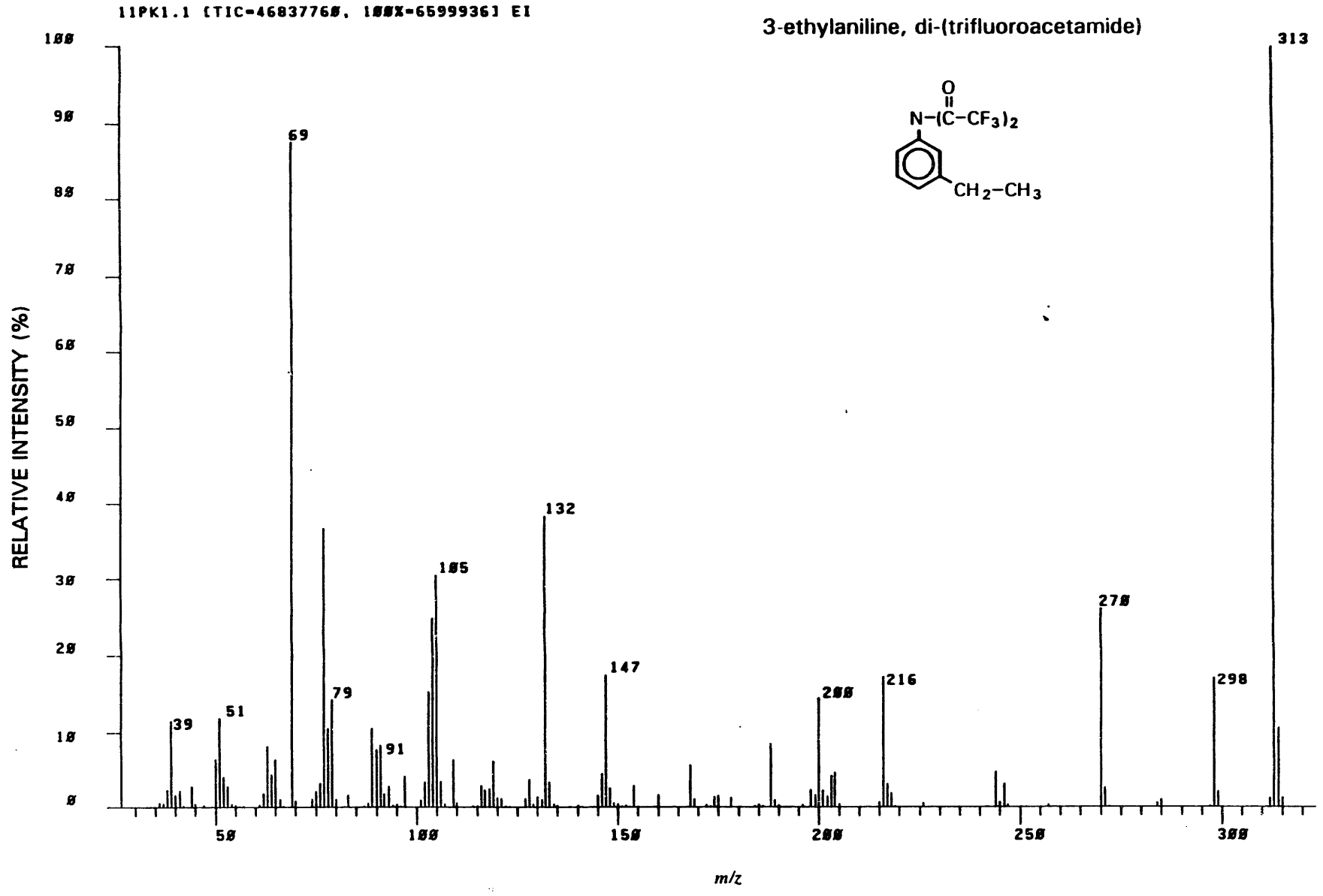
PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	315.00	10	1086.	0.0	0.0	0.0032
2	314.00	12	35481.	0.8	0.8	0.1038
3	313.00	17	272992.	6.1	6.1	0.7987
4	312.00	8	2021.	0.1	0.1	0.0003
5	298.00	8	7097.	0.2	0.2	0.0208
6	281.00	6	1744.	0.0	0.0	0.0051
7	270.00	10	18127.	0.4	0.4	0.0530
8	244.00	8	1548.	0.0	0.0	0.0045
9	235.00	10	2326.	0.1	0.1	0.0068
10	218.00	10	39799.	0.9	0.9	0.1164
11	217.00	21	424608.	9.4	9.4	1.2422*
12	216.00	43	3829824.	85.1	85.1	*11.20*
13	215.00	10	13523.	0.3	0.3	0.0396*
14	209.00	10	10238.	0.2	0.2	0.0300
15	203.00	10	43920.	1.0	1.0	0.1285
16	202.00	8	7872.	0.2	0.2	0.0230
17	201.00	8	9047.	0.2	0.2	0.0265
18	200.00	14	96416.	2.1	2.1	0.2821
19	199.00	17	118660.	2.6	2.6	0.3472*
20	198.00	10	41041.	0.9	0.9	0.1201
21	197.00	10	2064.	0.0	0.0	0.0060
22	185.00	8	2156.	0.0	0.0	0.0063
23	184.00	14	105832.	2.4	2.4	0.3096
24	180.00	6	798.	0.0	0.0	0.0023
25	178.00	6	5366.	0.1	0.1	0.0157
26	177.00	6	1012.	0.0	0.0	0.0030
27	176.00	8	2621.	0.1	0.1	0.0077
28	175.00	17	147128.	3.3	3.3	0.4304
29	172.00	10	4535.	0.1	0.1	0.0133
30	169.00	8	2746.	0.1	0.1	0.0080
31	168.00	8	4425.	0.1	0.1	0.0129
32	164.00	8	8676.	0.2	0.2	0.0254
33	159.00	6	1512.	0.0	0.0	0.0044
34	155.00	8	4821.	0.1	0.1	0.0141
35	154.00	10	19987.	0.4	0.4	0.0585
36	152.00	10	3018.	0.1	0.1	0.0088
37	151.00	8	1739.	0.0	0.0	0.0051
38	148.00	6	752.	0.0	0.0	0.0022
39	147.00	10	21896.	0.5	0.5	0.0641
40	146.00	17	150124.	3.3	3.3	0.4392
41	145.00	6	4239.	0.1	0.1	0.0124
42	141.00	12	26133.	0.6	0.6	0.0765
43	140.00	17	385232.	8.6	8.6	1.1270
44	139.00	8	7891.	0.2	0.2	0.0231
45	138.00	17	300432.	6.7	6.7	0.8789
46	134.00	10	11419.	0.3	0.3	0.0334
47	133.00	10	30482.	0.7	0.7	0.0892
48	132.00	17	244552.	5.4	5.4	0.7155
49	131.00	10	9472.	0.2	0.2	0.0277
50	130.00	8	2940.	0.1	0.1	0.0086
51	128.00	10	24482.	0.5	0.5	0.0716*
52	127.00	17	179424.	4.0	4.0	0.5249*
53	124.00	8	3580.	0.1	0.1	0.0105
54	123.00	8	3361.	0.1	0.1	0.0098
55	122.00	8	6195.	0.1	0.1	0.0181

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	121.00	17	131780.	2.9	2.9	0.3855
57	120.00	10	11957.	0.3	0.3	0.0350*
58	119.00	14	44471.	1.0	1.0	0.1301*
59	118.00	12	40159.	0.9	0.9	0.1175
60	117.00	8	10048.	0.2	0.2	0.0294
61	116.00	6	8521.	0.2	0.2	0.0249
62	114.00	10	30604.	0.7	0.7	0.0895
63	112.00	17	190112.	4.2	4.2	0.5562
64	111.00	10	24113.	0.5	0.5	0.0705
65	110.00	21	531328.	11.8	11.8	1.5544*
66	109.00	14	79872.	1.8	1.8	0.2337
67	107.00	8	17874.	0.4	0.4	0.0523
68	106.00	17	293696.	6.5	6.5	0.8592
69	105.00	43	3708992.	82.4	82.4	*10.85*
70	104.00	35	2974656.	66.1	66.1	8.7026*
71	103.00	43	2997952.	66.6	66.6	8.7708*
72	102.00	21	238388.	5.3	5.3	0.6974*
73	101.00	14	39601.	0.9	0.9	0.1159*
74	99.00	10	4602.	0.1	0.1	0.0135
75	98.00	8	13697.	0.3	0.3	0.0401
76	97.00	17	234824.	5.2	5.2	0.6870
77	96.00	17	117636.	2.6	2.6	0.3442*
78	95.00	8	2202.	0.0	0.0	0.0064
79	92.00	10	34774.	0.8	0.8	0.1017
80	91.00	17	154264.	3.4	3.4	0.4513*
81	90.00	12	39008.	0.9	0.9	0.1141
82	89.00	17	125720.	2.8	2.8	0.3678
83	88.00	8	4250.	0.1	0.1	0.0124
84	87.00	8	20634.	0.5	0.5	0.0604
85	86.00	12	3120.	0.1	0.1	0.0091*
86	85.00	8	4197.	0.1	0.1	0.0123
87	84.00	8	1440.	0.0	0.0	0.0042
88	80.00	12	45750.	1.0	1.0	0.1339*
89	79.00	21	728992.	16.2	16.2	2.1327
90	78.00	25	1451456.	32.2	32.2	4.2464*
91	77.00	29	2241152.	49.8	49.8	6.5567*
92	76.00	21	374224.	8.3	8.3	1.0948
93	75.00	21	175452.	3.9	3.9	0.5133*
94	74.00	17	172156.	3.8	3.8	0.5037*
95	73.00	14	42753.	0.9	0.9	0.1251*
96	70.00	21	275072.	6.1	6.1	0.8047
97	69.00	29	4502528.	100.0	100.0	*13.17*
98	68.00	8	16581.	0.4	0.4	0.0485*
99	66.00	10	23749.	0.5	0.5	0.0695*
100	65.00	17	152880.	3.4	3.4	0.4473
101	64.00	14	65720.	1.5	1.5	0.1923*
102	63.00	21	313680.	7.0	7.0	0.9177
103	62.00	17	94848.	2.1	2.1	0.2775
104	61.00	12	30803.	0.7	0.7	0.0901*
105	60.00	6	1650.	0.0	0.0	0.0048
106	59.00	8	2885.	0.1	0.1	0.0084
107	58.00	6	3811.	0.1	0.1	0.0111
108	57.00	6	2310.	0.1	0.1	0.0068
109	54.00	8	5471.	0.1	0.1	0.0160
110	53.00	17	89768.	2.0	2.0	0.2626*

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	52.00	21	385680.	8.6	8.6	1.1203*
112	51.00	29	1564352.	34.7	34.7	4.5767*
113	50.00	25	746256.	16.6	16.6	2.1832*
114	49.00	14	44003.	1.0	1.0	0.1290*
115	47.00	17	54392.	1.2	1.2	0.1591
116	46.00	6	1370.	0.0	0.0	0.0040
117	45.00	12	36715.	0.8	0.8	0.1074*
118	44.00	21	187600.	4.2	4.2	0.5489
119	43.00	21	429120.	9.5	9.5	1.2554
120	42.00	21	184996.	4.1	4.1	0.5412
121	41.00	14	54257.	1.2	1.2	0.1587*
122	40.00	17	70656.	1.6	1.6	0.2067*
123	39.00	21	535936.	11.9	11.9	1.5679*
124	38.00	21	129812.	2.9	2.9	0.3798
125	37.00	10	32139.	0.7	0.7	0.0940
126	36.00	14	64020.	1.4	1.4	0.1873
127	35.00	8	1801.	0.0	0.0	0.0053


11PK1.1 [TIC=4683776Ø, 1ØØ%=65999361] EI
3-ethylaniline, di-(trifluoroacetamide)
O
N–(C–CF3)2
CH2–CH3
RELATIVE INTENSITY (%)
1ØØ
9Ø
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7Ø
6Ø
5Ø
4Ø
3Ø
2Ø
1Ø
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69
313
132
185
147
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91
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m/z

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	317.00	8	1693.	0.0	0.0	0.0036
2	316.00	8	3452.	0.1	0.1	0.0074
3	315.00	17	87580.	1.3	1.3	0.1870*
4	314.00	25	703560.	10.7	10.7	1.5021*
5	313.00	43	6599936.	100.0	100.0	*14.09*
6	312.00	25	82340.	1.2	1.2	0.1758*
7	311.00	10	5390.	0.1	0.1	0.0115*
8	300.00	8	4729.	0.1	0.1	0.0101
9	299.00	17	142260.	2.2	2.2	0.3037*
10	298.00	25	1128760.	17.1	17.1	2.4100*
11	297.00	10	14652.	0.2	0.2	0.0313*
12	286.00	10	2361.	0.0	0.0	0.0050
13	285.00	12	69160.	1.0	1.0	0.1477
14	284.00	12	41299.	0.6	0.6	0.0882*
15	272.00	8	5480.	0.1	0.1	0.0117
16	271.00	17	178076.	2.7	2.7	0.3802*
17	270.00	29	1710000.	26.0	26.0	3.6602*
18	269.00	8	3566.	0.1	0.1	0.0076
19	268.00	6	1827.	0.0	0.0	0.0039
20	267.00	8	1031.	0.0	0.0	0.0022
21	258.00	6	740.	0.0	0.0	0.0016
22	257.00	10	26569.	0.4	0.4	0.0567
23	256.00	10	2546.	0.0	0.0	0.0054
24	247.00	8	23675.	0.4	0.4	0.0505
25	246.00	17	212812.	3.2	3.2	0.4544
26	245.00	10	44792.	0.7	0.7	0.0956*
27	244.00	17	317600.	4.8	4.8	0.6783
28	242.00	8	8492.	0.1	0.1	0.0181
29	238.00	6	1601.	0.0	0.0	0.0034
30	228.00	8	5603.	0.1	0.1	0.0120
31	226.00	10	40621.	0.6	0.6	0.0867
32	220.00	6	2565.	0.0	0.0	0.0055
33	219.00	10	11443.	0.2	0.2	0.0244
34	218.00	14	130060.	2.0	2.0	0.2777
35	217.00	17	210076.	3.2	3.2	0.4485
36	216.00	25	1135936.	17.2	17.2	2.4253*
37	215.00	12	46065.	0.7	0.7	0.0984
38	214.00	6	4306.	0.1	0.1	0.0092
39	212.00	6	1073.	0.0	0.0	0.0023
40	207.00	6	1302.	0.0	0.0	0.0028
41	206.00	6	1092.	0.0	0.0	0.0023
42	205.00	10	28010.	0.4	0.4	0.0598
43	204.00	17	300848.	4.7	4.7	0.6594*
44	203.00	17	280416.	4.2	4.2	0.5987*
45	202.00	14	102304.	1.6	1.6	0.2184*
46	201.00	17	152860.	2.3	2.3	0.3264*
47	200.00	21	954816.	14.5	14.5	2.0386*
48	199.00	14	114812.	1.7	1.7	0.2451
49	198.00	14	157092.	2.4	2.4	0.3354
50	196.00	8	17144.	0.3	0.3	0.0366
51	192.00	6	554.	0.0	0.0	0.0012
52	190.00	8	17343.	0.3	0.3	0.0370
53	189.00	12	65087.	1.0	1.0	0.1390
54	188.00	21	560464.	8.5	8.5	1.1966
55	187.00	6	2252.	0.0	0.0	0.0048

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	186.00	10	114900.	0.2	0.2	0.0245
57	185.00	10	24347.	0.4	0.4	0.0520
58	184.00	10	12369.	0.2	0.2	0.0264
59	181.00	6	2076.	0.0	0.0	0.0044
60	180.00	6	1301.	0.0	0.0	0.0028
61	179.00	8	3159.	0.0	0.0	0.0067
62	178.00	12	83188.	1.3	1.3	0.1776
63	176.00	8	3421.	0.1	0.1	0.0073
64	175.00	17	104860.	1.6	1.6	0.2239
65	174.00	14	97388.	1.5	1.5	0.2079
66	173.00	8	14456.	0.2	0.2	0.0309
67	172.00	10	27347.	0.4	0.4	0.0584
68	170.00	8	1031.	0.0	0.0	0.0022
69	169.00	14	76040.	1.2	1.2	0.1623
70	168.00	17	377456.	5.7	5.7	0.8059*
71	167.00	6	2107.	0.0	0.0	0.0045
72	166.00	8	4130.	0.1	0.1	0.0088
73	165.00	6	1894.	0.0	0.0	0.0040
74	164.00	10	6926.	0.1	0.1	0.0148
75	163.00	8	2888.	0.0	0.0	0.0062
76	162.00	8	1723.	0.0	0.0	0.0037
77	161.00	8	4495.	0.1	0.1	0.0096
78	160.00	14	115432.	1.7	1.7	0.2465
79	159.00	8	5806.	0.1	0.1	0.0124
80	158.00	8	2504.	0.0	0.0	0.0053
81	157.00	8	1309.	0.0	0.0	0.0028
82	156.00	10	3621.	0.1	0.1	0.0077
83	155.00	8	10218.	0.2	0.2	0.0218
84	154.00	17	197236.	3.0	3.0	0.4211
85	153.00	12	7219.	0.1	0.1	0.0154*
86	152.00	12	18368.	0.3	0.3	0.0392*
87	151.00	8	12850.	0.2	0.2	0.0274
88	150.00	12	30600.	0.5	0.5	0.0655*
89	149.00	12	41819.	0.6	0.6	0.0893
90	148.00	17	172248.	2.6	2.6	0.3678*
91	147.00	25	1153536.	17.5	17.5	2.4628*
92	146.00	17	300800.	4.6	4.6	0.6424
93	145.00	14	107220.	1.6	1.6	0.2289
94	144.00	10	10524.	0.2	0.2	0.0225
95	143.00	6	901.	0.0	0.0	0.0019
96	141.00	10	9133.	0.1	0.1	0.0195
97	140.00	8	20432.	0.3	0.3	0.0436
98	139.00	8	1506.	0.0	0.0	0.0032
99	138.00	8	5473.	0.1	0.1	0.0117
100	137.00	8	3419.	0.1	0.1	0.0073
101	135.00	8	21475.	0.3	0.3	0.0458
102	134.00	10	28746.	0.4	0.4	0.0614
103	133.00	21	229616.	3.5	3.5	0.4902*
104	132.00	35	2531264.	38.4	38.4	5.4043*
105	131.00	14	67484.	1.0	1.0	0.1441
106	130.00	14	95240.	1.4	1.4	0.2033
107	129.00	10	30034.	0.5	0.5	0.0641*
108	128.00	21	250732.	3.8	3.8	0.5353*
109	127.00	14	80176.	1.2	1.2	0.1712*
110	126.00	10	2823.	0.0	0.0	0.0060

PAGE 3

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	125.00	8	2393.	0.0	0.0	0.0051
112	123.00	8	6134.	0.1	0.1	0.0131
113	122.00	10	14111.	0.2	0.2	0.0301
114	121.00	12	77336.	1.2	1.2	0.1651
115	120.00	17	83492.	1.3	1.3	0.1783*
116	119.00	21	412016.	6.2	6.2	0.8797*
117	118.00	17	168888.	2.6	2.6	0.3606*
118	117.00	17	153976.	2.3	2.3	0.3287
119	116.00	17	193528.	2.9	2.9	0.4132
120	115.00	8	12098.	0.2	0.2	0.0258
121	114.00	10	13603.	0.2	0.2	0.0290
122	113.00	6	1160.	0.0	0.0	0.0025
123	111.00	6	1190.	0.0	0.0	0.0026
124	110.00	10	41050.	0.6	0.6	0.0876
125	109.00	17	421040.	6.4	6.4	0.9006
126	108.00	6	1560.	0.0	0.0	0.0033
127	107.00	10	28753.	0.4	0.4	0.0614*
128	106.00	17	232504.	3.5	3.5	0.4964*
129	105.00	25	2015168.	30.5	30.5	4.3024*
130	104.00	25	1638720.	24.8	24.8	3.4987*
131	103.00	21	1011792.	15.3	15.3	2.1602*
132	102.00	17	226272.	3.4	3.4	0.4831*
133	101.00	14	59620.	0.9	0.9	0.1273
134	98.00	10	2752.	0.0	0.0	0.0059
135	97.00	17	277488.	4.2	4.2	0.5924
136	96.00	10	15137.	0.2	0.2	0.0323
137	95.00	10	23012.	0.3	0.3	0.0491
138	94.00	8	19091.	0.3	0.3	0.0408
139	93.00	17	187768.	2.8	2.8	0.4009
140	92.00	17	125428.	1.9	1.9	0.2678*
141	91.00	21	548896.	8.3	8.3	1.1719*
142	90.00	21	514416.	7.8	7.8	1.0983
143	89.00	21	697344.	10.6	10.6	1.4889*
144	88.00	12	41631.	0.6	0.6	0.0889
145	87.00	10	11798.	0.2	0.2	0.0252
146	86.00	8	2957.	0.0	0.0	0.0063
147	85.00	8	3523.	0.1	0.1	0.0075
148	83.00	17	112928.	1.7	1.7	0.2411*
149	82.00	10	5568.	0.1	0.1	0.0119
150	81.00	8	3686.	0.1	0.1	0.0079
151	80.00	14	74776.	1.1	1.1	0.1596*
152	79.00	21	947344.	14.4	14.4	2.0226*
153	78.00	21	701152.	10.6	10.6	1.4970
154	77.00	29	2422336.	36.7	36.7	5.1718*
155	76.00	17	216144.	3.3	3.3	0.4615
156	75.00	17	146196.	2.2	2.2	0.3121
157	74.00	12	75512.	1.1	1.1	0.1612
158	73.00	8	3154.	0.0	0.0	0.0067
159	70.00	14	58282.	0.9	0.9	0.1244*
160	69.00	35	5774000.	87.5	87.5	*12.32*
161	68.00	14	4190.	0.1	0.1	0.0089
162	67.00	8	12038.	0.2	0.2	0.0257
163	66.00	17	75912.	1.2	1.2	0.1621*
164	65.00	17	426544.	6.5	6.5	0.9107
165	64.00	17	292160.	4.4	4.4	0.6238

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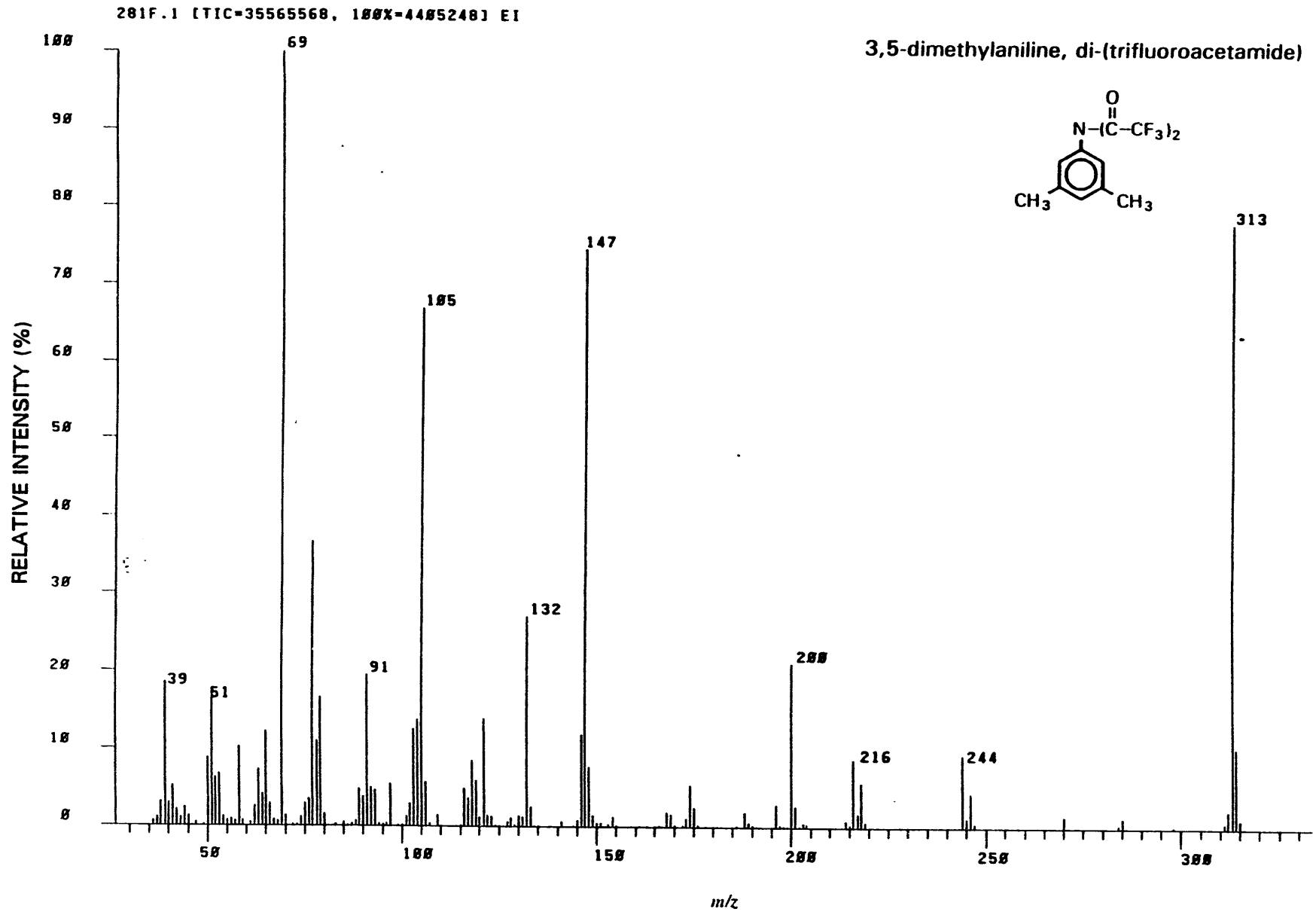
PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
166	63.00	21	539456.	8.2	8.2	1.1518*
167	62.00	17	125016.	1.9	1.9	0.2669
168	61.00	10	23352.	0.4	0.4	0.0499
169	60.00	6	969.	0.0	0.0	0.0021
170	59.00	8	4656.	0.1	0.1	0.0099
171	58.00	6	2727.	0.0	0.0	0.0058
172	57.00	14	13541.	0.2	0.2	0.0289*
173	56.00	8	8293.	0.1	0.1	0.0177
174	55.00	10	20985.	0.3	0.3	0.0448*
175	54.00	12	31696.	0.5	0.5	0.0677*
176	53.00	17	189912.	2.9	2.9	0.4055
177	52.00	17	270928.	4.1	4.1	0.5784
178	51.00	21	780688.	11.8	11.8	1.6668
179	50.00	21	428672.	6.5	6.5	0.9152
180	49.00	10	8316.	0.1	0.1	0.0178
181	47.00	10	21491.	0.3	0.3	0.0459
182	45.00	8	31307.	0.5	0.5	0.0668
183	44.00	17	189584.	2.9	2.9	0.4048
184	43.00	14	8483.	0.1	0.1	0.0181
185	42.00	10	16556.	0.3	0.3	0.0353
186	41.00	17	150236.	2.3	2.3	0.3208*
187	40.00	25	112300.	1.7	1.7	0.2398*
188	39.00	21	761840.	11.5	11.5	1.6266
189	38.00	17	155472.	2.4	2.4	0.3319
190	37.00	10	34972.	0.5	0.5	0.0747
191	36.00	12	42740.	0.6	0.6	0.0913*
192	35.00	8	2646.	0.0	0.0	0.0056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3,5-dimethylaniline, di-(trifluoroacetamide)
RELATIVE INTENSITY (%)
100
90
80
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105
313
132
208
91
39
51
216
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PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	320.00	6	1269.	0.0	0.0	0.0036
2	317.00	6	748.	0.0	0.0	0.0021
3	316.00	8	5472.	0.1	0.1	0.0154
4	315.00	21	49283.	1.1	1.1	0.1386*
5	314.00	29	457232.	10.4	10.4	1.2856*
6	313.00	43	3439424.	78.1	78.1	9.6707*
7	312.00	25	97376.	2.2	2.2	0.2738*
8	311.00	21	32167.	0.7	0.7	0.0904*
9	310.00	12	2679.	0.1	0.1	0.0075
10	298.00	10	12832.	0.3	0.3	0.0361
11	294.00	8	4004.	0.1	0.1	0.0113
12	287.00	6	1104.	0.0	0.0	0.0031
13	286.00	8	4667.	0.1	0.1	0.0131
14	285.00	17	56516.	1.3	1.3	0.1589*
15	284.00	10	20189.	0.5	0.5	0.0568
16	283.00	8	797.	0.0	0.0	0.0022
17	272.00	8	530.	0.0	0.0	0.0015
18	271.00	10	5109.	0.1	0.1	0.0144
19	270.00	14	64387.	1.5	1.5	0.1810
20	260.00	6	1564.	0.0	0.0	0.0044
21	247.00	12	25125.	0.6	0.6	0.0706
22	246.00	21	192352.	4.4	4.4	0.5408*
23	245.00	14	52014.	1.2	1.2	0.1462
24	244.00	25	412880.	9.4	9.4	1.1609*
25	243.00	8	2624.	0.1	0.1	0.0074
26	242.00	6	2105.	0.0	0.0	0.0059
27	234.00	8	1028.	0.0	0.0	0.0029
28	228.00	6	1209.	0.0	0.0	0.0034
29	221.00	6	676.	0.0	0.0	0.0019
30	220.00	6	3291.	0.1	0.1	0.0093
31	219.00	12	30820.	0.7	0.7	0.0867
32	218.00	21	252252.	5.7	5.7	0.7093
33	217.00	14	78136.	1.8	1.8	0.2197
34	216.00	25	385584.	8.8	8.8	1.0841
35	215.00	12	15789.	0.4	0.4	0.0444*
36	214.00	12	38983.	0.9	0.9	0.1096
37	205.00	6	2016.	0.0	0.0	0.0057
38	204.00	12	19787.	0.4	0.4	0.0556
39	203.00	12	22605.	0.5	0.5	0.0636
40	202.00	10	8360.	0.2	0.2	0.0235
41	201.00	21	116292.	2.6	2.6	0.3270*
42	200.00	35	927968.	21.1	21.1	2.6092*
43	199.00	8	10090.	0.2	0.2	0.0284
44	198.00	8	7524.	0.2	0.2	0.0212
45	197.00	14	17781.	0.4	0.4	0.0500
46	196.00	17	127104.	2.9	2.9	0.3574
47	192.00	17	2090.	0.0	0.0	0.0059*
48	191.00	6	3552.	0.1	0.1	0.0100
49	190.00	14	12721.	0.3	0.3	0.0358*
50	189.00	17	27733.	0.6	0.6	0.0780*
51	188.00	17	81300.	1.8	1.8	0.2286
52	187.00	8	2988.	0.1	0.1	0.0084
53	186.00	8	8033.	0.2	0.2	0.0226
54	185.00	8	2747.	0.1	0.1	0.0077
55	182.00	8	5364.	0.1	0.1	0.0151

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PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	181.00	8	4188.	0.1	0.1	0.0118
57	180.00	6	6628.	0.2	0.2	0.0186
58	179.00	6	1354.	0.0	0.0	0.0038
59	178.00	8	5036.	0.1	0.1	0.0142
60	177.00	8	2435.	0.1	0.1	0.0068
61	176.00	12	11546.	0.3	0.3	0.0325
62	175.00	17	106116.	2.4	2.4	0.2984
63	174.00	21	237168.	5.4	5.4	0.6668*
64	173.00	14	47605.	1.1	1.1	0.1339
65	172.00	10	11111.	0.3	0.3	0.0312
66	171.00	8	2931.	0.1	0.1	0.0082
67	170.00	10	12973.	0.3	0.3	0.0365
68	169.00	17	71688.	1.6	1.6	0.2016*
69	168.00	17	84568.	1.9	1.9	0.2378*
70	167.00	12	3521.	0.1	0.1	0.0099*
71	166.00	10	10000.	0.2	0.2	0.0281
72	165.00	8	3809.	0.1	0.1	0.0107
73	164.00	10	3050.	0.1	0.1	0.0086*
74	163.00	10	3929.	0.1	0.1	0.0110
75	162.00	8	1382.	0.0	0.0	0.0039
76	161.00	6	4813.	0.1	0.1	0.0135
77	160.00	6	1335.	0.0	0.0	0.0038
78	159.00	8	5466.	0.1	0.1	0.0154
79	158.00	10	2123.	0.0	0.0	0.0060
80	157.00	8	807.	0.0	0.0	0.0023
81	155.00	10	11771.	0.3	0.3	0.0331
82	154.00	17	54939.	1.2	1.2	0.1545*
83	153.00	10	15700.	0.4	0.4	0.0441
84	152.00	17	8449.	0.2	0.2	0.0238*
85	151.00	14	25539.	0.6	0.6	0.0718*
86	150.00	12	24394.	0.6	0.6	0.0686*
87	149.00	17	64441.	1.5	1.5	0.1812
88	148.00	25	342864.	7.8	7.8	0.9640*
89	147.00	59	3285184.	74.6	74.6	9.2370*
90	146.00	43	523808.	11.9	11.9	1.4728*
91	145.00	17	37524.	0.9	0.9	0.1055*
92	144.00	14	8171.	0.2	0.2	0.0230*
93	142.00	6	1150.	0.0	0.0	0.0032
94	141.00	12	31192.	0.7	0.7	0.0877
95	140.00	12	1616.	0.0	0.0	0.0045
96	138.00	10	6445.	0.1	0.1	0.0181
97	135.00	8	6163.	0.1	0.1	0.0173
98	134.00	12	10976.	0.2	0.2	0.0309
99	133.00	17	112620.	2.6	2.6	0.3167*
100	132.00	35	1191040.	27.0	27.0	3.3489*
101	131.00	25	55877.	1.3	1.3	0.1571*
102	130.00	17	58757.	1.3	1.3	0.1652*
103	129.00	14	12081.	0.3	0.3	0.0340*
104	128.00	17	50321.	1.1	1.1	0.1415*
105	127.00	17	28105.	0.6	0.6	0.0790*
106	126.00	12	3569.	0.1	0.1	0.0100
107	125.00	8	5607.	0.1	0.1	0.0158
108	124.00	10	12076.	0.3	0.3	0.0340*
109	123.00	17	57922.	1.3	1.3	0.1629*
110	122.00	17	63006.	1.4	1.4	0.1772*

PAGE 3

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	121.00	29	611712.	13.9	13.9	1.7200*
112	120.00	17	53674.	1.2	1.2	0.1509
113	119.00	35	260920.	5.9	5.9	0.7336*
114	118.00	43	377856.	8.6	8.6	1.0624*
115	117.00	29	159748.	3.6	3.6	0.4492*
116	116.00	25	215012.	4.9	4.9	0.6046*
117	115.00	10	9861.	0.2	0.2	0.0277
118	114.00	10	5973.	0.1	0.1	0.0168
119	113.00	6	952.	0.0	0.0	0.0027
120	112.00	6	1175.	0.0	0.0	0.0033
121	111.00	6	1278.	0.0	0.0	0.0036
122	110.00	8	5451.	0.1	0.1	0.0153
123	109.00	17	63558.	1.4	1.4	0.1787
124	108.00	10	2091.	0.0	0.0	0.0059
125	107.00	12	19981.	0.5	0.5	0.0562
126	106.00	21	249544.	5.7	5.7	0.7016*
127	105.00	59	2948544.	66.9	66.9	8.2904*
128	104.00	35	608880.	13.8	13.8	1.7120*
129	103.00	25	552736.	12.5	12.5	1.5541*
130	102.00	25	127600.	2.9	2.9	0.3588*
131	101.00	29	57901.	1.3	1.3	0.1628*
132	100.00	10	8841.	0.2	0.2	0.0249
133	99.00	10	8220.	0.2	0.2	0.0231
134	98.00	8	6525.	0.1	0.1	0.0183
135	97.00	25	237724.	5.4	5.4	0.6684*
136	96.00	17	21433.	0.5	0.5	0.0603*
137	95.00	12	16008.	0.4	0.4	0.0450*
138	94.00	12	19975.	0.5	0.5	0.0562
139	93.00	21	204580.	4.6	4.6	0.5752*
140	92.00	29	223060.	5.1	5.1	0.6272*
141	91.00	29	857728.	19.5	19.5	2.4117*
142	90.00	21	168472.	3.8	3.8	0.4737*
143	89.00	25	208680.	4.7	4.7	0.5867*
144	88.00	17	35275.	0.8	0.8	0.0992*
145	87.00	10	16343.	0.4	0.4	0.0460
146	86.00	12	10578.	0.2	0.2	0.0297
147	85.00	17	22739.	0.5	0.5	0.0639
148	84.00	6	2729.	0.1	0.1	0.0077
149	83.00	8	14119.	0.3	0.3	0.0397
150	82.00	10	3894.	0.1	0.1	0.0109
151	81.00	14	6910.	0.2	0.2	0.0194*
152	80.00	17	66568.	1.5	1.5	0.1872
153	79.00	25	734680.	16.7	16.7	2.0657*
154	78.00	35	485504.	11.0	11.0	1.3651*
155	77.00	35	1618560.	36.7	36.7	4.5509*
156	76.00	21	150544.	3.4	3.4	0.4233*
157	75.00	29	125964.	2.9	2.9	0.3542*
158	74.00	14	51491.	1.2	1.2	0.1448
159	73.00	10	11896.	0.3	0.3	0.0334*
160	72.00	14	11720.	0.3	0.3	0.0330
161	71.00	12	6528.	0.1	0.1	0.0184
162	70.00	21	59271.	1.3	1.3	0.1667*
163	69.00	59	4405248.	100.0	100.0	*12.38*
164	68.00	17	32304.	0.7	0.7	0.0900*
165	67.00	14	37477.	0.9	0.9	0.1054

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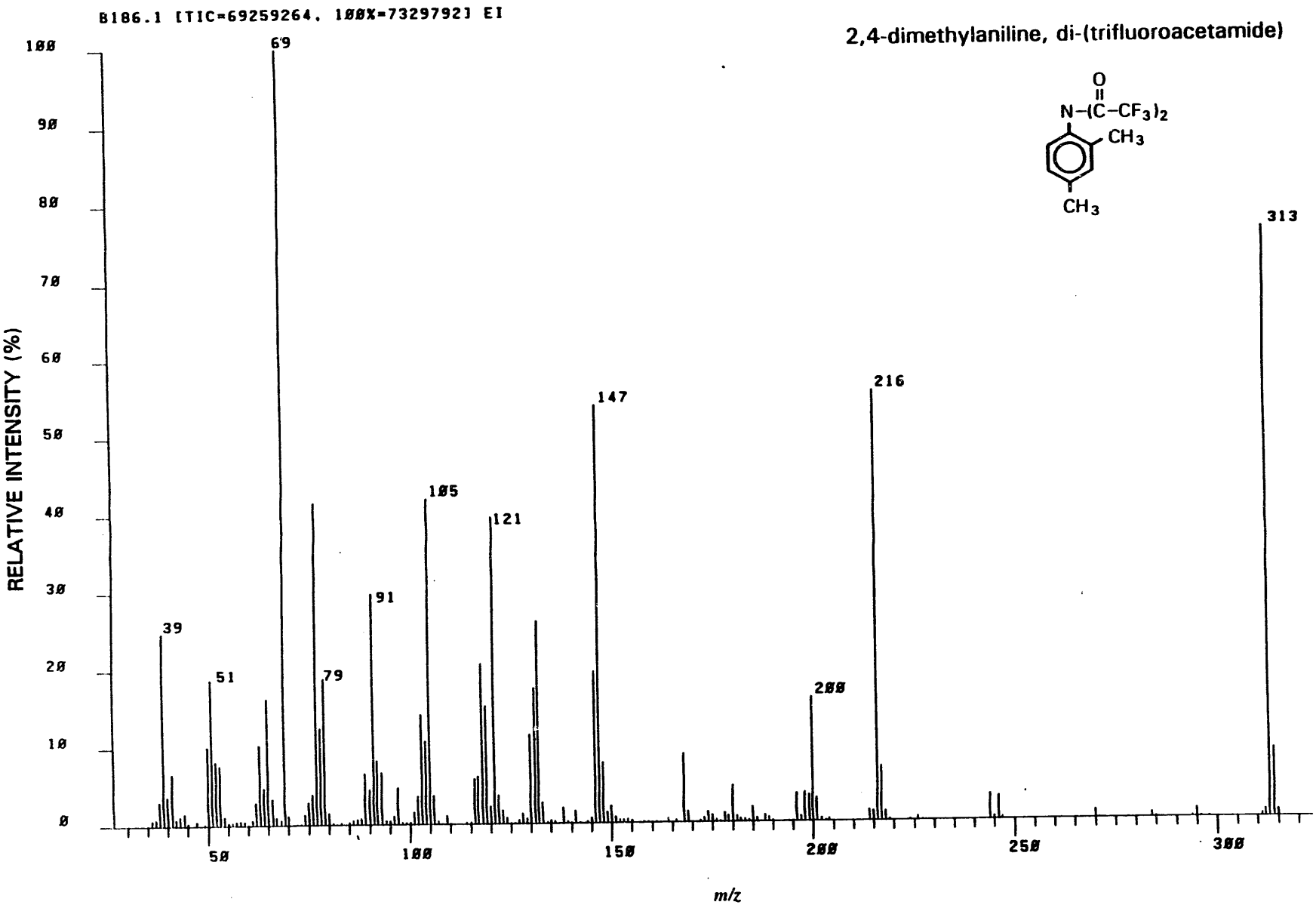
PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
166	66.00	21	125988.	2.9	2.9	0.3542
167	65.00	25	539296.	12.2	12.2	1.5163*
168	64.00	21	180704.	4.1	4.1	0.5081*
169	63.00	25	322976.	7.3	7.3	0.9081*
170	62.00	21	111304.	2.5	2.5	0.3130
171	61.00	12	23302.	0.5	0.5	0.0655
172	60.00	8	3255.	0.1	0.1	0.0092
173	59.00	21	35745.	0.8	0.8	0.1005*
174	58.00	21	451216.	10.2	10.2	1.2687*
175	57.00	17	29775.	0.7	0.7	0.0837*
176	56.00	17	43101.	1.0	1.0	0.1212*
177	55.00	25	35183.	0.8	0.8	0.0989*
178	54.00	17	57089.	1.3	1.3	0.1605
179	53.00	25	298304.	6.8	6.8	0.8387
180	52.00	21	274976.	6.2	6.2	0.7732
181	51.00	35	764592.	17.4	17.4	2.1498*
182	50.00	25	390576.	8.9	8.9	1.0982*
183	49.00	12	14405.	0.3	0.3	0.0405
184	48.00	8	1102.	0.0	0.0	0.0033
185	47.00	12	22800.	0.5	0.5	0.0643
186	46.00	10	3729.	0.1	0.1	0.0105*
187	45.00	17	55290.	1.3	1.3	0.1555*
188	44.00	21	102420.	2.3	2.3	0.2880
189	43.00	17	48295.	1.1	1.1	0.1358*
190	42.00	17	92000.	2.1	2.1	0.2587
191	41.00	21	229976.	5.2	5.2	0.6466
192	40.00	21	130924.	3.0	3.0	0.3681
193	39.00	29	814768.	18.5	18.5	2.2909*
194	38.00	29	138372.	3.1	3.1	0.3891*
195	37.00	17	50230.	1.1	1.1	0.1412
196	36.00	17	29839.	0.7	0.7	0.0839
197	35.00	8	3200.	0.1	0.1	0.0090


B186.1 [TIC=69259264, 100%=7329792] EI
2,4-dimethylaniline, di-(trifluoroacetamide)
RELATIVE INTENSITY (%)
m/z
69
313
216
147
105
121
91
39
51
79
208
100
90
80
70
60
50
40
30
20
10
0
50
100
150
200
250
300

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. NREF	% TOT. ION
1	316.00	8	5562.	0.1	0.0000
2	315.00	17	67196.	0.9	0.0970*
3	314.00	29	653360.	8.9	0.9434*
4	313.00	51	5583360.	76.2	8.0615*
5	312.00	29	75280.	1.0	0.1087*
6	311.00	21	32058.	0.4	0.0463*
7	310.00	8	3519.	0.0	0.0051
8	309.00	8	1613.	0.0	0.0023
9	307.00	8	1298.	0.0	0.0019
10	298.00	10	17547.	0.2	0.0253
11	296.00	12	12452.	0.2	0.0180
12	295.00	17	85848.	1.2	0.1240
13	294.00	17	23257.	0.3	0.0336*
14	286.00	8	3342.	0.0	0.0048
15	285.00	10	15199.	0.2	0.0219*
16	284.00	17	54634.	0.7	0.0789
17	282.00	8	3605.	0.0	0.0052
18	281.00	6	586.	0.0	0.0008
19	280.00	8	1699.	0.0	0.0025
20	279.00	10	2170.	0.0	0.0031
21	278.00	10	7794.	0.1	0.0113*
22	277.00	12	2015.	0.0	0.0029
23	271.00	10	6341.	0.1	0.0092
24	270.00	14	83796.	1.1	0.1210
25	266.00	8	1077.	0.0	0.0016
26	262.00	10	1285.	0.0	0.0019
27	248.00	6	2930.	0.0	0.0042
28	247.00	12	30238.	0.4	0.0437*
29	246.00	17	225960.	3.1	0.3263
30	245.00	14	32129.	0.4	0.0464
31	244.00	17	246632.	3.4	0.3561
32	243.00	6	4765.	0.1	0.0069
33	242.00	6	1684.	0.0	0.0024
34	241.00	8	723.	0.0	0.0010
35	237.00	6	546.	0.0	0.0008
36	235.00	8	2728.	0.0	0.0039
37	228.00	6	3752.	0.1	0.0054
38	227.00	12	6026.	0.1	0.0087
39	226.00	12	39333.	0.5	0.0568
40	224.00	12	12579.	0.2	0.0182
41	221.00	6	1714.	0.0	0.0025
42	220.00	6	419.	0.0	0.0006
43	219.00	12	21733.	0.3	0.0314*
44	218.00	21	96076.	1.3	0.1387*
45	217.00	35	516464.	7.0	0.7457*
46	216.00	43	4069952.	55.5	5.8764*
47	215.00	29	96332.	1.3	0.1391*
48	214.00	21	106132.	1.4	0.1532*
49	213.00	8	1860.	0.0	0.0027
50	211.00	8	613.	0.0	0.0009
51	210.00	8	803.	0.0	0.0012
52	208.00	8	2833.	0.0	0.0041
53	207.00	6	967.	0.0	0.0014
54	206.00	8	3561.	0.0	0.0051
55	205.00	6	938.	0.0	0.0014

PAGE 2

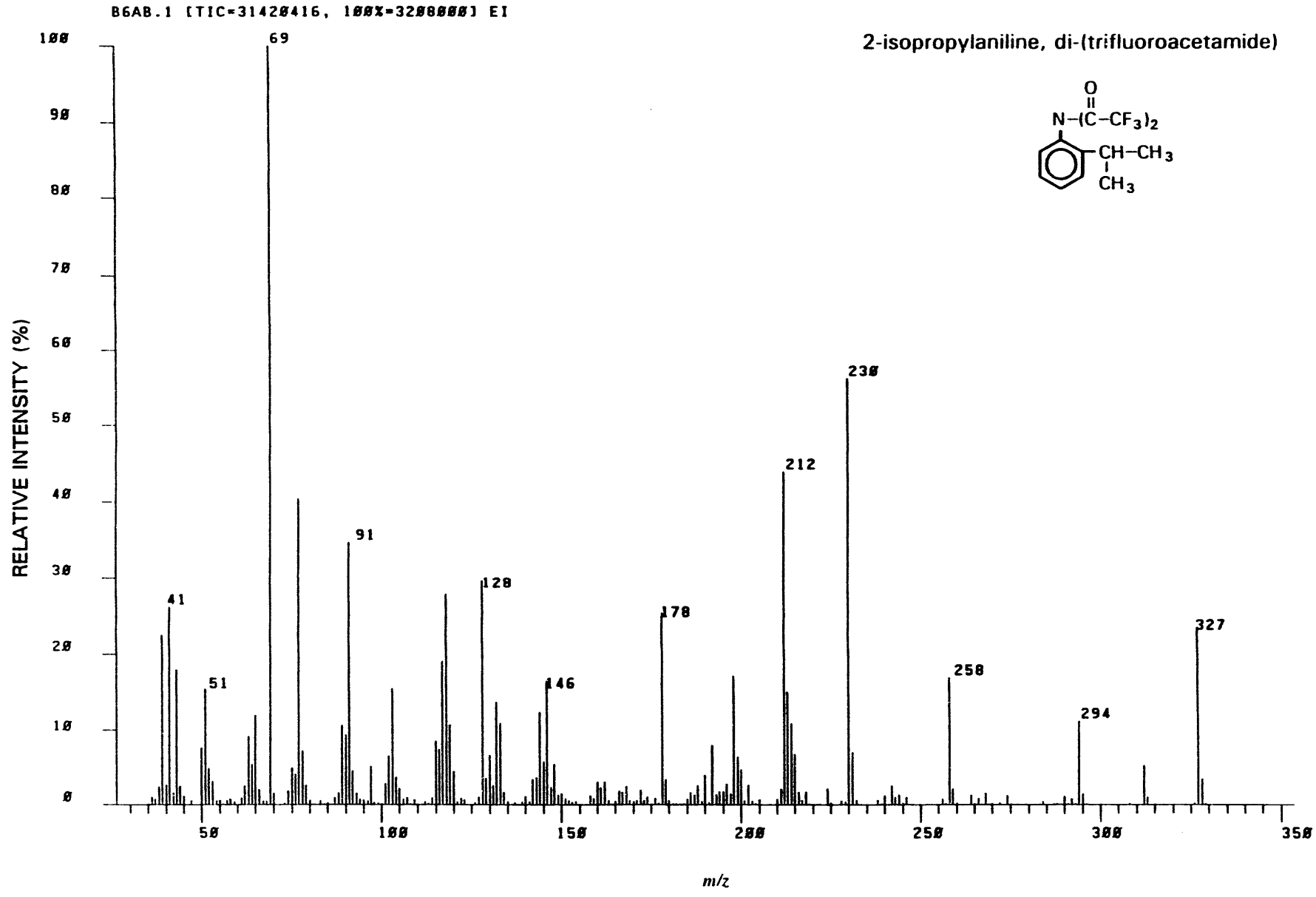
PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. NREF	% TOT. ION
56	204.00	10	26021.	0.4	0.0376
57	203.00	10	12724.	0.2	0.0184
58	202.00	10	31843.	0.4	0.0460
59	201.00	21	228244.	3.1	0.3296*
60	200.00	35	1171072.	16.0	1.6909*
61	199.00	29	256532.	3.5	0.3704*
62	198.00	29	281440.	3.8	0.4064*
63	197.00	21	52570.	0.7	0.0759*
64	196.00	21	270600.	3.7	0.3907*
65	195.00	8	6563.	0.1	0.0095
66	194.00	10	7096.	0.1	0.0102
67	191.00	6	1710.	0.0	0.0025
68	190.00	12	12709.	0.2	0.0183*
69	189.00	17	49206.	0.7	0.0710
70	188.00	14	61834.	0.8	0.0893
71	187.00	8	11588.	0.2	0.0167*
72	186.00	12	38959.	0.5	0.0563
73	185.00	17	141456.	1.9	0.2042
74	184.00	10	21039.	0.3	0.0304
75	183.00	12	27041.	0.4	0.0390
76	182.00	12	32400.	0.4	0.0468
77	181.00	17	58440.	0.8	0.0844
78	180.00	25	347840.	4.7	0.5022*
79	179.00	17	65210.	0.9	0.0942*
80	178.00	29	87740.	1.2	0.1267*
81	177.00	14	16530.	0.2	0.0239*
82	176.00	14	28958.	0.4	0.0418
83	175.00	17	71960.	1.0	0.1039
84	174.00	17	98760.	1.3	0.1426
85	173.00	17	46295.	0.6	0.0668*
86	172.00	12	20228.	0.3	0.0292
87	171.00	12	2886.	0.0	0.0042
88	170.00	8	4492.	0.1	0.0065
89	169.00	21	104868.	1.4	0.1514
90	168.00	25	650128.	8.9	0.9387*
91	167.00	10	5371.	0.1	0.0078
92	166.00	12	24734.	0.3	0.0357
93	165.00	8	5673.	0.1	0.0082
94	164.00	17	38916.	0.5	0.0562*
95	163.00	10	10397.	0.1	0.0150*
96	162.00	12	9897.	0.1	0.0143*
97	161.00	10	12828.	0.2	0.0185*
98	160.00	12	10956.	0.1	0.0158*
99	159.00	8	15304.	0.2	0.0221
100	158.00	10	16714.	0.2	0.0241
101	157.00	6	1329.	0.0	0.0019
102	156.00	6	1287.	0.0	0.0019
103	155.00	12	26995.	0.4	0.0390
104	154.00	14	40607.	0.6	0.0586
105	153.00	12	33500.	0.5	0.0484*
106	152.00	17	32231.	0.4	0.0465*
107	151.00	25	59406.	0.8	0.0858*
108	150.00	35	159172.	2.2	0.2298*
109	149.00	35	109436.	1.5	0.1580*
110	148.00	43	569872.	7.8	0.8228*

PAGE 3

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. NREF	% TOT. ION
111	147.00	51	3945472.	53.8	5.6967*
112	146.00	43	1436992.	19.6	2.0748*
113	145.00	21	54769.	0.7	0.0791*
114	144.00	12	21417.	0.3	0.0309*
115	143.00	6	3544.	0.0	0.0051
116	142.00	10	18020.	0.2	0.0260
117	141.00	17	122004.	1.7	0.1762
118	140.00	8	6646.	0.1	0.0096
119	139.00	10	21699.	0.3	0.0313
120	138.00	21	147468.	2.0	0.2129*
121	137.00	8	9253.	0.1	0.0134
122	136.00	14	29397.	0.4	0.0424
123	135.00	14	32885.	0.4	0.0475*
124	134.00	10	20669.	0.3	0.0298
125	133.00	21	201488.	2.7	0.2909*
126	132.00	43	1914688.	26.1	2.7645*
127	131.00	43	1280768.	17.5	1.8492*
128	130.00	43	852288.	11.6	1.2306*
129	129.00	25	49613.	0.7	0.0716*
130	128.00	25	99900.	1.4	0.1442*
131	127.00	14	38126.	0.5	0.0550*
132	126.00	14	12427.	0.2	0.0179*
133	125.00	10	14554.	0.2	0.0210*
134	124.00	17	56460.	0.8	0.0815*
135	123.00	21	131604.	1.8	0.1900*
136	122.00	21	279808.	3.8	0.4040*
137	121.00	43	2898752.	39.5	4.1854*
138	120.00	21	166672.	2.3	0.2406*
139	119.00	43	1119808.	15.3	1.6168*
140	118.00	43	1513920.	20.7	2.1859*
141	117.00	59	453968.	6.2	0.6555*
142	116.00	25	430608.	5.9	0.6217*
143	115.00	17	20236.	0.3	0.0292*
144	114.00	12	20430.	0.3	0.0295
145	113.00	10	2804.	0.0	0.0040*
146	112.00	6	2057.	0.0	0.0030
147	110.00	8	8659.	0.1	0.0125
148	109.00	17	81808.	1.1	0.1181
149	108.00	8	7328.	0.1	0.0106
150	107.00	17	33949.	0.5	0.0490
151	106.00	25	279424.	3.8	0.4034*
152	105.00	51	3081344.	42.0	4.4490*
153	104.00	29	788096.	10.8	1.1379*
154	103.00	35	1039888.	14.2	1.5014*
155	102.00	35	273360.	3.7	0.3947*
156	101.00	35	118684.	1.6	0.1714*
157	100.00	14	21030.	0.3	0.0304*
158	99.00	17	22153.	0.3	0.0320*
159	98.00	21	30631.	0.4	0.0442*
160	97.00	43	358688.	4.9	0.5179*
161	96.00	51	84224.	1.1	0.1216*
162	95.00	17	32686.	0.4	0.0472*
163	94.00	17	40873.	0.6	0.0590*
164	93.00	29	487904.	6.7	0.7045*
165	92.00	29	607488.	8.3	0.8771*

PAGE 4

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. NREF	% TOT. ION
166	91.00	43	2184256.	29.8	3.1537*
167	90.00	43	339744.	4.6	0.4905*
168	89.00	29	480848.	6.6	0.6943*
169	88.00	17	62862.	0.9	0.0908*
170	87.00	21	49807.	0.7	0.0719*
171	86.00	25	49254.	0.7	0.0711*
172	85.00	17	28877.	0.4	0.0417*
173	84.00	10	2544.	0.0	0.0037
174	83.00	14	20030.	0.3	0.0289*
175	82.00	10	6063.	0.1	0.0088
176	81.00	12	20285.	0.3	0.0293*
177	80.00	17	115688.	1.6	0.1670
178	79.00	29	1379776.	18.8	1.9922*
179	78.00	35	920144.	12.6	1.3286*
180	77.00	43	3054144.	41.7	4.4097*
181	76.00	25	295984.	4.0	0.4274*
182	75.00	25	219624.	3.0	0.3171*
183	74.00	17	99324.	1.4	0.1434
184	73.00	10	13773.	0.2	0.0199
185	72.00	17	17016.	0.2	0.0246*
186	71.00	17	10018.	0.1	0.0145*
187	70.00	25	89596.	1.2	0.1294*
188	69.00	59	7329792.	100.0	*10.58*
189	68.00	29	55177.	0.8	0.0797*
190	67.00	25	74452.	1.0	0.1075*
191	66.00	25	253300.	3.5	0.3657
192	65.00	35	1199232.	16.4	1.7315*
193	64.00	25	354416.	4.8	0.5117*
194	63.00	35	760400.	10.4	1.0979*
195	62.00	21	216356.	3.0	0.3124*
196	61.00	17	51403.	0.7	0.0742*
197	60.00	6	7139.	0.1	0.0103
198	59.00	25	39941.	0.5	0.0577*
199	58.00	21	49172.	0.7	0.0710*
200	57.00	21	38460.	0.5	0.0555*
201	56.00	14	32296.	0.4	0.0466
202	55.00	17	30189.	0.4	0.0436*
203	54.00	21	87636.	1.2	0.1265*
204	53.00	25	563712.	7.7	0.8139
205	52.00	25	601776.	8.2	0.8689
206	51.00	29	1379136.	18.8	1.9913*
207	50.00	25	747568.	10.2	1.0794*
208	49.00	12	19143.	0.3	0.0276*
209	48.00	8	1494.	0.0	0.0022
210	47.00	17	41468.	0.6	0.0599*
211	46.00	6	3267.	0.0	0.0047
212	45.00	14	24992.	0.3	0.0361*
213	44.00	25	114412.	1.6	0.1652*
214	43.00	21	88572.	1.2	0.1279*
215	42.00	21	62467.	0.9	0.0902*
216	41.00	29	487488.	6.7	0.7039*
217	40.00	25	276816.	3.8	0.3997*
218	39.00	35	1820096.	24.8	2.6279*
219	38.00	29	228164.	3.1	0.3294*
220	37.00	21	64927.	0.9	0.0937*
221	36.00	17	50275.	0.7	0.0726
222	35.00	10	8263.	0.1	0.0119


B6AB.1 [TIC=3142Ø416, 1ØØ%=32ØØØØØ] EI
2-isopropylaniline, di-(trifluoroacetamide)
RELATIVE INTENSITY (%)
m/z
69
91
41
51
128
146
178
212
23Ø
258
294
327

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	342.00	6	441.	0.0	0.0	0.0014
2	329.00	12	10686.	0.3	0.3	0.0340*
3	328.00	17	110852.	3.5	3.5	0.3528
4	327.00	29	748768.	23.3	23.3	2.3831*
5	326.00	12	10532.	0.3	0.3	0.0335*
6	319.00	8	739.	0.0	0.0	0.0024
7	313.00	10	31704.	1.0	1.0	0.1009
8	312.00	17	166332.	5.2	5.2	0.5294
9	308.00	10	9981.	0.3	0.3	0.0318
10	299.00	6	1229.	0.0	0.0	0.0039
11	296.00	12	5563.	0.2	0.2	0.0177
12	295.00	17	47826.	1.5	1.5	0.1522*
13	294.00	21	357552.	11.1	11.1	1.1380*
14	293.00	10	7014.	0.2	0.2	0.0223*
15	292.00	12	24631.	0.8	0.8	0.0784
16	291.00	10	5348.	0.2	0.2	0.0170
17	290.00	12	36805.	1.1	1.1	0.1171*
18	288.00	8	6480.	0.2	0.2	0.0206
19	287.00	8	2964.	0.1	0.1	0.0094
20	285.00	6	1815.	0.1	0.1	0.0058
21	284.00	8	13574.	0.4	0.4	0.0432
22	277.00	6	4192.	0.1	0.1	0.0133
23	275.00	10	2754.	0.1	0.1	0.0088
24	274.00	14	37779.	1.2	1.2	0.1202
25	272.00	10	8053.	0.3	0.3	0.0256
26	270.00	8	7011.	0.2	0.2	0.0223
27	269.00	8	6010.	0.2	0.2	0.0191
28	268.00	17	49307.	1.5	1.5	0.1569*
29	267.00	8	5250.	0.2	0.2	0.0167
30	266.00	12	27717.	0.9	0.9	0.0882*
31	265.00	10	6238.	0.2	0.2	0.0199
32	264.00	12	39898.	1.2	1.2	0.1270
33	260.00	8	8833.	0.3	0.3	0.0281
34	259.00	17	68476.	2.1	2.1	0.2179*
35	258.00	29	542576.	16.9	16.9	1.7268*
36	257.00	10	5639.	0.2	0.2	0.0179
37	256.00	12	24948.	0.8	0.8	0.0794
38	255.00	6	675.	0.0	0.0	0.0021
39	250.00	6	805.	0.0	0.0	0.0026
40	247.00	10	4168.	0.1	0.1	0.0133
41	246.00	12	32851.	1.0	1.0	0.1046
42	245.00	10	9004.	0.3	0.3	0.0287
43	244.00	17	44182.	1.4	1.4	0.1406*
44	243.00	12	34347.	1.1	1.1	0.1093
45	242.00	14	82636.	2.6	2.6	0.2630
46	241.00	8	4449.	0.1	0.1	0.0142
47	240.00	17	37306.	1.2	1.2	0.1187*
48	239.00	8	6590.	0.2	0.2	0.0210
49	238.00	12	21097.	0.7	0.7	0.0671
50	232.00	17	20947.	0.7	0.7	0.0667*
51	231.00	29	225636.	7.0	7.0	0.7181*
52	230.00	51	1802944.	56.2	56.2	5.7381*
53	229.00	17	15307.	0.5	0.5	0.0487*
54	228.00	10	17103.	0.5	0.5	0.0544
55	226.00	6	616.	0.0	0.0	0.0020

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	225.00	8	8446.	0.3	0.3	0.0269
57	224.00	17	67348.	2.1	2.1	0.2143*
58	223.00	8	1889.	0.1	0.1	0.0060
59	222.00	10	6386.	0.2	0.2	0.0203
60	221.00	6	799.	0.0	0.0	0.0025
61	220.00	10	4124.	0.1	0.1	0.0131
62	219.00	10	7604.	0.2	0.2	0.0242
63	218.00	17	54937.	1.7	1.7	0.1748*
64	217.00	12	21165.	0.7	0.7	0.0674
65	216.00	17	55319.	1.7	1.7	0.1761
66	215.00	21	218124.	6.8	6.8	0.6942*
67	214.00	25	350928.	10.9	10.9	1.1169*
68	213.00	35	484640.	15.1	15.1	1.5424*
69	212.00	43	1407680.	43.9	43.9	4.4801*
70	211.00	35	68848.	2.1	2.1	0.2191*
71	210.00	14	25462.	0.8	0.8	0.0810*
72	209.00	14	1801.	0.1	0.1	0.0057*
73	207.00	10	2110.	0.1	0.1	0.0067
74	206.00	8	1593.	0.0	0.0	0.0051
75	205.00	17	24333.	0.8	0.8	0.0774*
76	204.00	17	10258.	0.3	0.3	0.0326*
77	203.00	12	18129.	0.6	0.6	0.0577*
78	202.00	21	83832.	2.6	2.6	0.2668*
79	201.00	12	21277.	0.7	0.7	0.0677
80	200.00	17	150164.	4.7	4.7	0.4779*
81	199.00	21	203028.	6.3	6.3	0.6462*
82	198.00	35	550496.	17.2	17.2	1.7520*
83	197.00	29	47859.	1.5	1.5	0.1523*
84	196.00	35	89040.	2.8	2.8	0.2834*
85	195.00	35	58042.	1.8	1.8	0.1847*
86	194.00	21	57171.	1.8	1.8	0.1820*
87	193.00	14	45072.	1.4	1.4	0.1434*
88	192.00	25	255200.	8.0	8.0	0.8122*
89	191.00	12	15497.	0.5	0.5	0.0493*
90	190.00	17	126580.	3.9	3.9	0.4029
91	189.00	12	15575.	0.5	0.5	0.0496
92	188.00	17	81616.	2.5	2.5	0.2598
93	187.00	17	41318.	1.3	1.3	0.1315*
94	186.00	14	53450.	1.7	1.7	0.1701
95	185.00	14	25089.	0.8	0.8	0.0798*
96	184.00	10	7333.	0.2	0.2	0.0233
97	183.00	8	4450.	0.1	0.1	0.0142
98	182.00	8	8439.	0.3	0.3	0.0269
99	181.00	14	7499.	0.2	0.2	0.0239*
100	180.00	12	19548.	0.6	0.6	0.0622
101	179.00	17	107864.	3.4	3.4	0.3433
102	178.00	35	812368.	25.3	25.3	2.5855*
103	177.00	14	9333.	0.3	0.3	0.0297
104	176.00	12	26354.	0.8	0.8	0.0839*
105	175.00	12	5931.	0.2	0.2	0.0189*
106	174.00	14	31872.	1.0	1.0	0.1014*
107	173.00	12	18951.	0.6	0.6	0.0603*
108	172.00	17	63099.	2.0	2.0	0.2008
109	171.00	12	19040.	0.6	0.6	0.0606
110	170.00	12	14869.	0.5	0.5	0.0473*

PAGE 3

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	169.00	12	19758.	0.6	0.6	0.0629
112	168.00	17	78016.	2.4	2.4	0.2483
113	167.00	14	54533.	1.7	1.7	0.1736
114	166.00	17	56711.	1.8	1.8	0.1805*
115	165.00	10	15133.	0.5	0.5	0.0482
116	164.00	8	4736.	0.1	0.1	0.0151
117	163.00	12	20880.	0.7	0.7	0.0665*
118	162.00	25	97456.	3.0	3.0	0.3102*
119	161.00	25	72296.	2.3	2.3	0.2301*
120	160.00	25	97060.	3.0	3.0	0.3089*
121	159.00	14	26332.	0.8	0.8	0.0838*
122	158.00	17	39531.	1.2	1.2	0.1258*
123	156.00	6	762.	0.0	0.0	0.0024
124	155.00	6	1667.	0.1	0.1	0.0053
125	154.00	12	15254.	0.5	0.5	0.0485
126	153.00	8	12401.	0.4	0.4	0.0395
127	152.00	10	20362.	0.6	0.6	0.0648
128	151.00	10	28748.	0.9	0.9	0.0915
129	150.00	17	48606.	1.5	1.5	0.1547
130	149.00	17	43315.	1.4	1.4	0.1379
131	148.00	21	172808.	5.4	5.4	0.5500*
132	147.00	17	75064.	2.3	2.3	0.2389
133	146.00	29	530112.	16.5	16.5	1.6872*
134	145.00	21	185912.	5.8	5.8	0.5917*
135	144.00	21	395664.	12.3	12.3	1.2593
136	143.00	21	119376.	3.7	3.7	0.3799*
137	142.00	21	108156.	3.4	3.4	0.3442*
138	141.00	8	14268.	0.4	0.4	0.0454*
139	140.00	17	35933.	1.1	1.1	0.1144*
140	139.00	10	13816.	0.4	0.4	0.0440
141	137.00	8	12606.	0.4	0.4	0.0401
142	136.00	8	3246.	0.1	0.1	0.0103
143	135.00	10	15316.	0.5	0.5	0.0487
144	134.00	17	54637.	1.7	1.7	0.1739
145	133.00	21	348688.	10.9	10.9	1.1097*
146	132.00	29	440240.	13.7	13.7	1.4011*
147	131.00	21	83788.	2.6	2.6	0.2667*
148	130.00	21	210644.	6.6	6.6	0.6704*
149	129.00	21	115340.	3.6	3.6	0.3671*
150	128.00	35	951360.	29.7	29.7	3.0278*
151	127.00	17	32882.	1.0	1.0	0.1047*
152	126.00	12	11838.	0.4	0.4	0.0377
153	125.00	10	1407.	0.0	0.0	0.0045
154	124.00	8	1182.	0.0	0.0	0.0038
155	123.00	12	22412.	0.7	0.7	0.0713
156	122.00	12	26605.	0.8	0.8	0.0847
157	121.00	10	15968.	0.5	0.5	0.0508
158	120.00	25	143448.	4.5	4.5	0.4565*
159	119.00	25	343856.	10.7	10.7	1.0944*
160	118.00	35	894096.	27.9	27.9	2.8456*
161	117.00	35	611168.	19.1	19.1	1.9451*
162	116.00	29	239184.	7.5	7.5	0.7612*
163	115.00	21	272400.	8.5	8.5	0.8670
164	114.00	12	30418.	0.9	0.9	0.0968*
165	113.00	12	10038.	0.3	0.3	0.0319*

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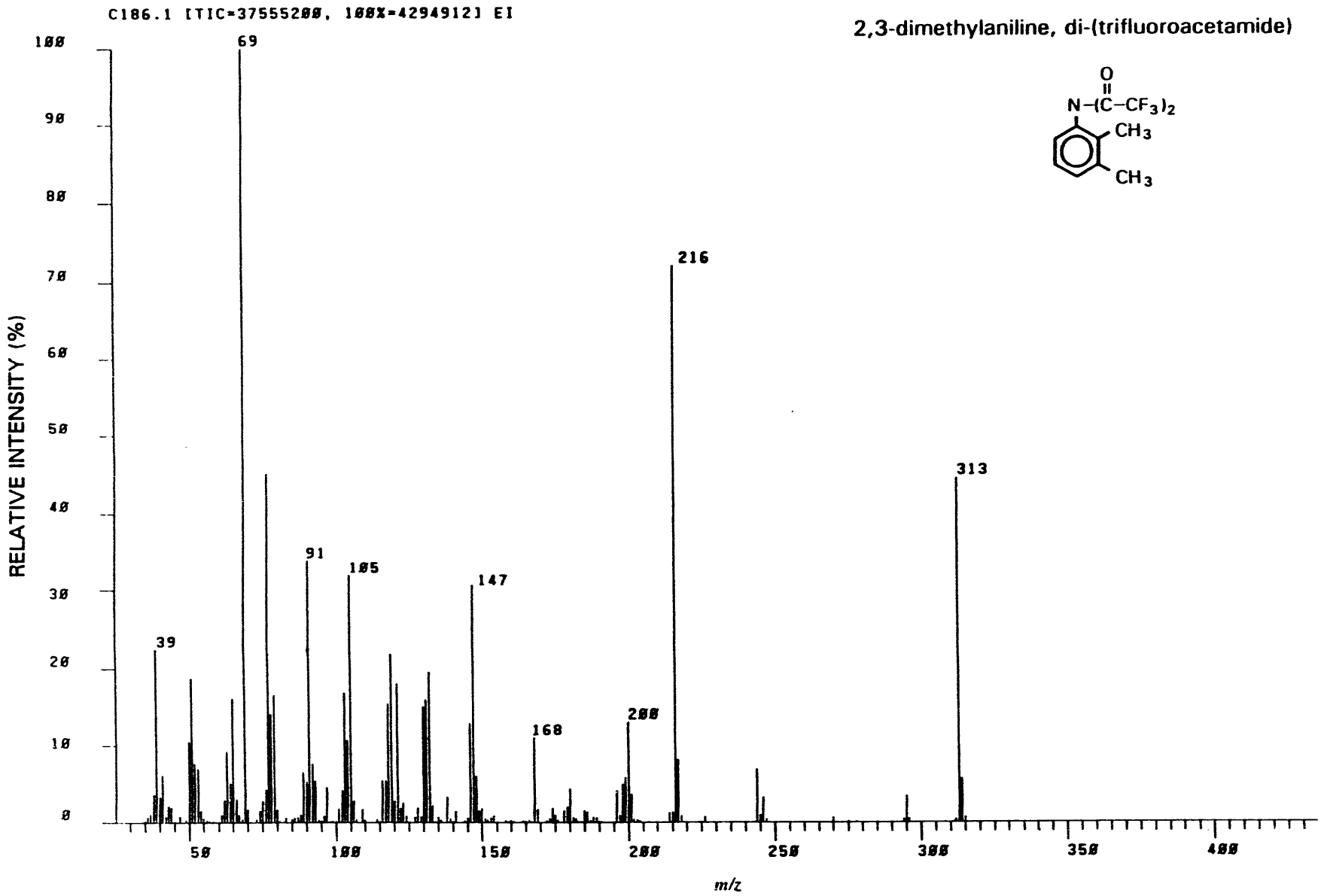
PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
166	112.00	17	14558.	0.5	0.5	0.0463*
167	110.00	8	4862.	0.2	0.2	0.0155
168	109.00	14	23926.	0.7	0.7	0.0761
169	108.00	8	6885.	0.2	0.2	0.0219
170	107.00	14	30350.	0.9	0.9	0.0966
171	106.00	14	26142.	0.8	0.8	0.0832*
172	105.00	21	70380.	2.2	2.2	0.2240*
173	104.00	21	117472.	3.7	3.7	0.3739*
174	103.00	25	496400.	15.5	15.5	1.5799*
175	102.00	21	209484.	6.5	6.5	0.6667*
176	101.00	17	93064.	2.9	2.9	0.2962
177	100.00	12	3046.	0.1	0.1	0.0097
178	99.00	10	11757.	0.4	0.4	0.0374*
179	98.00	10	11997.	0.4	0.4	0.0382*
180	97.00	17	165220.	5.2	5.2	0.5258*
181	96.00	12	17014.	0.5	0.5	0.0541
182	95.00	14	24361.	0.8	0.8	0.0775*
183	94.00	12	25547.	0.8	0.8	0.0813*
184	93.00	21	49483.	1.5	1.5	0.1575*
185	92.00	25	145720.	4.5	4.5	0.4638*
186	91.00	35	1112384.	34.7	34.7	3.5403*
187	90.00	21	300720.	9.4	9.4	0.9571*
188	89.00	21	339632.	10.6	10.6	1.0809*
189	88.00	21	51700.	1.6	1.6	0.1646*
190	87.00	14	31062.	1.0	1.0	0.0989*
191	86.00	8	4900.	0.2	0.2	0.0156
192	85.00	12	9692.	0.3	0.3	0.0308
193	84.00	10	3510.	0.1	0.1	0.0112*
194	83.00	12	16406.	0.5	0.5	0.0522
195	82.00	6	655.	0.0	0.0	0.0021
196	81.00	8	3052.	0.1	0.1	0.0097
197	80.00	14	19081.	0.6	0.6	0.0607
198	79.00	17	83396.	2.6	2.6	0.2654
199	78.00	21	230952.	7.2	7.2	0.7350
200	77.00	35	1295104.	40.4	40.4	4.1219*
201	76.00	17	131924.	4.1	4.1	0.4199*
202	75.00	21	155632.	4.9	4.9	0.4953*
203	74.00	17	60705.	1.9	1.9	0.1932*
204	73.00	12	9335.	0.3	0.3	0.0297*
205	72.00	6	1360.	0.0	0.0	0.0043
206	71.00	10	1248.	0.0	0.0	0.0040
207	70.00	21	50392.	1.6	1.6	0.1604*
208	69.00	51	3208000.	100.0	100.0	*10.20*
209	68.00	12	17166.	0.5	0.5	0.0546*
210	67.00	12	21319.	0.7	0.7	0.0679
211	66.00	21	64961.	2.0	2.0	0.2067*
212	65.00	21	382336.	11.9	11.9	1.2168*
213	64.00	21	172936.	5.4	5.4	0.5504*
214	63.00	25	294640.	9.2	9.2	0.9377*
215	62.00	17	80512.	2.5	2.5	0.2562
216	61.00	12	29718.	0.9	0.9	0.0946*
217	59.00	12	14480.	0.5	0.5	0.0461
218	58.00	17	25740.	0.8	0.8	0.0819*
219	57.00	14	19788.	0.6	0.6	0.0630*
220	56.00	10	9623.	0.3	0.3	0.0306

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
221	55.00	12	20266.	0.6	0.6	0.0645*
222	54.00	12	19896.	0.6	0.6	0.0633
223	53.00	21	102416.	3.2	3.2	0.3260
224	52.00	21	155300.	4.8	4.8	0.4943
225	51.00	25	495376.	15.4	15.4	1.5766*
226	50.00	25	244192.	7.6	7.6	0.7772*
227	49.00	10	4600.	0.1	0.1	0.0146
228	47.00	14	19473.	0.6	0.6	0.0620*
229	46.00	6	794.	0.0	0.0	0.0025
230	45.00	17	37672.	1.2	1.2	0.1199*
231	44.00	25	81716.	2.5	2.5	0.2601*
232	43.00	29	576288.	18.0	18.0	1.8341*
233	42.00	17	51927.	1.6	1.6	0.1653
234	41.00	29	837312.	26.1	26.1	2.6649*
235	40.00	21	86960.	2.7	2.7	0.2768
236	39.00	25	719328.	22.4	22.4	2.2894*
237	38.00	21	79104.	2.5	2.5	0.2518*
238	37.00	14	25132.	0.8	0.8	0.0800*
239	36.00	14	33327.	1.0	1.0	0.1061
240	35.00	6	4537.	0.1	0.1	0.0144


C186.1 [TIC=3755520Ø, 1ØØ%=4294912] EI
2,3-dimethylaniline, di-(trifluoroacetamide)
RELATIVE INTENSITY (%)
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PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. NREF	% TOT. ION
1	429.00	8	963.	0.0	0.0026
2	315.00	17	29008.	0.7	0.0772*
3	314.00	25	245148.	5.7	0.6528
4	313.00	35	1914176.	44.6	5.0970*
5	312.00	17	20405.	0.5	0.0543*
6	311.00	10	6691.	0.2	0.0178*
7	299.00	10	1830.	0.0	0.0049
8	298.00	8	3144.	0.1	0.0084
9	297.00	8	677.	0.0	0.0018
10	296.00	12	23172.	0.5	0.0617*
11	295.00	17	144168.	3.4	0.3839
12	294.00	10	19689.	0.5	0.0524
13	292.00	8	2691.	0.1	0.0072
14	284.00	10	1628.	0.0	0.0043
15	282.00	8	2538.	0.1	0.0068
16	279.00	12	1242.	0.0	0.0033
17	278.00	12	10641.	0.2	0.0283*
18	277.00	8	1514.	0.0	0.0040
19	275.00	8	8071.	0.2	0.0215
20	270.00	12	26265.	0.6	0.0699
21	266.00	8	2769.	0.1	0.0074
22	264.00	8	2832.	0.1	0.0075
23	261.00	8	1111.	0.0	0.0030
24	250.00	8	2478.	0.1	0.0066
25	247.00	10	18993.	0.4	0.0506
26	246.00	17	138392.	3.2	0.3685*
27	245.00	14	41583.	1.0	0.1107
28	244.00	21	292624.	6.8	0.7792*
29	243.00	6	4599.	0.1	0.0122
30	242.00	12	2101.	0.0	0.0056*
31	232.00	8	947.	0.0	0.0025
32	231.00	6	583.	0.0	0.0016
33	230.00	6	1602.	0.0	0.0043
34	226.00	14	31581.	0.7	0.0841
35	224.00	10	4115.	0.1	0.0110
36	222.00	6	648.	0.0	0.0017
37	219.00	12	4113.	0.1	0.0110
38	218.00	17	36536.	0.9	0.0973*
39	217.00	25	349004.	8.1	0.9317*
40	216.00	43	3093312.	72.0	8.2367*
41	215.00	29	57203.	1.3	0.1523*
42	214.00	21	53578.	1.2	0.1427*
43	213.00	8	1830.	0.0	0.0049
44	210.00	8	1657.	0.0	0.0044
45	208.00	6	1779.	0.0	0.0047
46	207.00	8	4325.	0.1	0.0115
47	206.00	8	3313.	0.1	0.0088
48	204.00	10	12766.	0.3	0.0340
49	203.00	10	16121.	0.4	0.0429
50	202.00	10	21635.	0.5	0.0576
51	201.00	21	156088.	3.6	0.4156
52	200.00	25	558432.	13.0	1.4870*
53	199.00	25	250592.	5.8	0.6673*
54	198.00	21	211656.	4.9	0.5636
55	197.00	17	40504.	0.9	0.1079*

PAGE 2

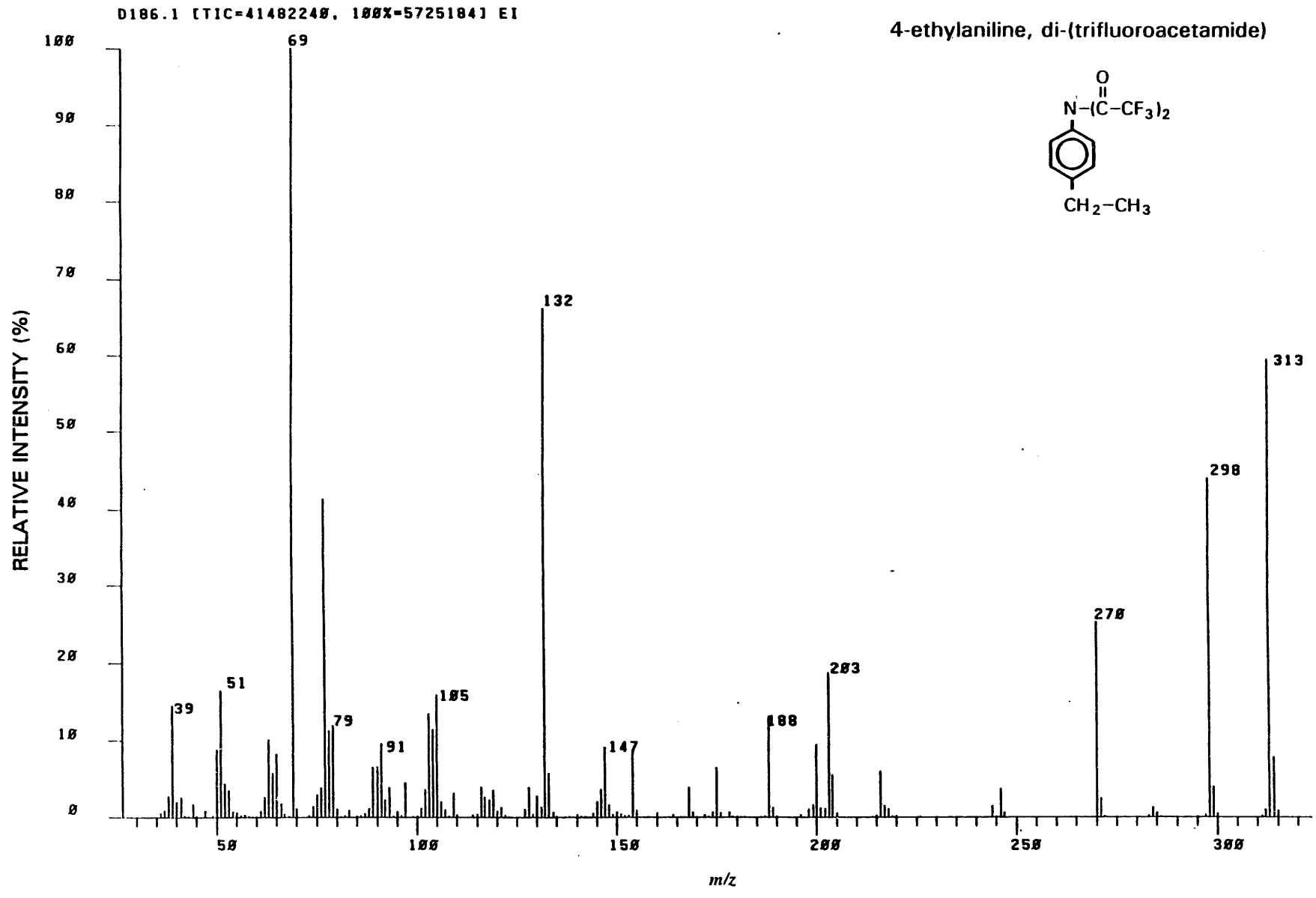
PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. NREF	% TOT. ION
56	196.00	17	171780.	4.0	0.4574
57	195.00	8	3320.	0.1	0.0088
58	192.00	8	2630.	0.1	0.0070
59	191.00	12	6881.	0.2	0.0183*
60	190.00	10	5159.	0.1	0.0137*
61	189.00	12	25977.	0.6	0.0692
62	188.00	17	31191.	0.7	0.0831*
63	187.00	10	14007.	0.3	0.0373
64	186.00	17	60449.	1.4	0.1610
65	185.00	17	66780.	1.6	0.1778
66	184.00	10	9617.	0.2	0.0256*
67	183.00	10	8375.	0.2	0.0223
68	182.00	14	23566.	0.5	0.0628*
69	181.00	17	32255.	0.8	0.0859
70	180.00	21	188544.	4.4	0.5020
71	179.00	21	85556.	2.0	0.2278*
72	178.00	21	67824.	1.6	0.1806*
73	177.00	8	6511.	0.2	0.0173
74	176.00	12	17160.	0.4	0.0457
75	175.00	14	40060.	0.9	0.1067
76	174.00	17	81216.	1.9	0.2163
77	173.00	17	23481.	0.5	0.0625
78	172.00	10	11634.	0.3	0.0310
79	170.00	8	1433.	0.0	0.0038
80	169.00	17	72552.	1.7	0.1932
81	168.00	21	473104.	11.0	1.2598*
82	167.00	12	8703.	0.2	0.0232*
83	166.00	10	15564.	0.4	0.0414
84	165.00	8	7736.	0.2	0.0206
85	164.00	10	13493.	0.3	0.0359
86	163.00	12	3784.	0.1	0.0101*
87	162.00	8	1867.	0.0	0.0050
88	161.00	10	10268.	0.2	0.0273
89	160.00	14	11076.	0.3	0.0295
90	159.00	10	9709.	0.2	0.0259
91	158.00	10	12047.	0.3	0.0321*
92	155.00	8	5130.	0.1	0.0137
93	154.00	17	36893.	0.9	0.0982
94	153.00	17	26808.	0.6	0.0714*
95	152.00	10	16764.	0.4	0.0446
96	151.00	12	26866.	0.6	0.0715*
97	150.00	21	80376.	1.9	0.2140*
98	149.00	25	64828.	1.5	0.1726*
99	148.00	21	259952.	6.1	0.6922*
100	147.00	43	1315968.	30.6	3.5041*
101	146.00	29	555744.	12.9	1.4798*
102	145.00	21	25359.	0.6	0.0675*
103	144.00	12	13256.	0.3	0.0353*
104	143.00	6	539.	0.0	0.0014
105	142.00	8	3369.	0.1	0.0090
106	141.00	17	61039.	1.4	0.1625
107	140.00	8	7290.	0.2	0.0194
108	139.00	14	24783.	0.6	0.0660*
109	138.00	21	140100.	3.3	0.3731
110	136.00	10	15733.	0.4	0.0419

PAGE 3

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. NREF	% TOT. ION
111	135.00	14	30971.	0.7	0.0825
112	134.00	12	10395.	0.2	0.0277
113	133.00	21	94616.	2.2	0.2519
114	132.00	29	856016.	19.5	2.2261*
115	131.00	43	684432.	15.9	1.8225*
116	130.00	35	642368.	15.0	1.7105*
117	129.00	21	33912.	0.8	0.0903*
118	128.00	21	82156.	1.9	0.2188
119	127.00	14	31291.	0.7	0.0833
120	126.00	8	2609.	0.1	0.0069
121	125.00	10	4640.	0.1	0.0124*
122	124.00	17	35281.	0.8	0.0939*
123	123.00	17	109360.	2.5	0.2912*
124	122.00	17	79780.	1.9	0.2124
125	121.00	25	771696.	18.0	2.0548*
126	120.00	21	120392.	2.8	0.3206*
127	119.00	43	935152.	21.8	2.4901*
128	118.00	43	657168.	15.3	1.7499*
129	117.00	43	232780.	5.4	0.6198*
130	116.00	25	232156.	5.4	0.6182*
131	115.00	10	8535.	0.2	0.0227
132	114.00	14	19763.	0.5	0.0526*
133	113.00	6	2167.	0.1	0.0058
134	112.00	6	2142.	0.0	0.0057
135	111.00	6	1214.	0.0	0.0032
136	110.00	10	15451.	0.4	0.0411
137	109.00	17	75236.	1.8	0.2003
138	108.00	8	2158.	0.1	0.0057
139	107.00	10	18789.	0.4	0.0500
140	106.00	21	122092.	2.8	0.3251
141	105.00	35	1370560.	31.9	3.6495*
142	104.00	25	457728.	10.7	1.2188*
143	103.00	35	720416.	16.8	1.9183*
144	102.00	25	180088.	4.2	0.4795*
145	101.00	35	76228.	1.8	0.2030*
146	100.00	10	8355.	0.2	0.0222*
147	99.00	8	11354.	0.3	0.0302
148	98.00	10	8186.	0.2	0.0218*
149	97.00	29	192744.	4.5	0.5132*
150	96.00	21	36422.	0.8	0.0970*
151	95.00	12	12240.	0.3	0.0326*
152	94.00	14	20585.	0.5	0.0548*
153	93.00	25	234368.	5.5	0.6241*
154	92.00	25	330000.	7.7	0.8787*
155	91.00	35	1452416.	33.8	3.8674*
156	90.00	35	225400.	5.2	0.6002*
157	89.00	29	280096.	6.5	0.7458*
158	88.00	17	45372.	1.1	0.1208*
159	87.00	14	29826.	0.7	0.0794
160	86.00	17	26081.	0.6	0.0694*
161	85.00	21	18754.	0.4	0.0499*
162	84.00	10	2260.	0.1	0.0060
163	83.00	12	27575.	0.6	0.0734
164	82.00	10	9723.	0.2	0.0259*
165	81.00	12	12587.	0.3	0.0335

PAGE 4

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. NREF	% TOT. ION
166	80.00	21	75084.	1.7	0.1999
167	79.00	29	712352.	16.6	1.8968*
168	78.00	29	604992.	14.1	1.6109*
169	77.00	43	1937400.	45.1	5.1588*
170	76.00	25	182956.	4.3	0.4872*
171	75.00	25	120736.	2.8	0.3215
172	74.00	17	65556.	1.5	0.1746*
173	73.00	12	19807.	0.5	0.0527
174	72.00	8	942.	0.0	0.0025
175	71.00	8	7099.	0.2	0.0189*
176	70.00	21	74716.	1.7	0.1989*
177	69.00	51	4294912.	100.0	*11.43*
178	68.00	17	20698.	0.5	0.0551*
179	67.00	17	44232.	1.0	0.1178
180	66.00	21	130792.	3.0	0.3483
181	65.00	29	690432.	16.1	1.8384*
182	64.00	21	221000.	5.1	0.5885*
183	63.00	25	396576.	9.2	1.0560*
184	62.00	25	122556.	2.9	0.3263*
185	61.00	17	43019.	1.0	0.1145*
186	60.00	8	5918.	0.1	0.0158
187	59.00	8	5068.	0.1	0.0135
188	58.00	8	12067.	0.3	0.0321
189	57.00	12	13099.	0.3	0.0349*
190	56.00	12	16138.	0.4	0.0430*
191	55.00	14	23831.	0.6	0.0635
192	54.00	21	66064.	1.5	0.1759
193	53.00	25	302000.	7.0	0.8041
194	52.00	25	328592.	7.7	0.8760
195	51.00	29	805488.	18.8	2.1448*
196	50.00	25	452224.	10.5	1.2042*
197	49.00	12	14465.	0.3	0.0385*
198	47.00	17	33344.	0.8	0.0888*
199	46.00	6	2394.	0.1	0.0064
200	45.00	12	9792.	0.2	0.0261
201	44.00	17	83352.	1.9	0.2219
202	43.00	21	89400.	2.1	0.2380
203	42.00	17	33145.	0.8	0.0883*
204	41.00	25	265392.	6.2	0.7067
205	40.00	29	144372.	3.4	0.3844*
206	39.00	29	964096.	22.4	2.5671*
207	38.00	29	155520.	3.6	0.4141*
208	37.00	17	48413.	1.1	0.1289*
209	36.00	14	31200.	0.7	0.0831
210	35.00	10	7177.	0.2	0.0191*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4-ethylaniline, di-(trifluoroacetamide)
O
N–(C–CF3)2
CH2–CH3
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
69
132
313
298
270
203
105
39
51
79
91
147
188
50
100
150
200
250
300
m/z

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. NREF	% TOT. ION
1	317.00	12	1021.	0.0	0.0025*
2	316.00	10	3222.	0.1	0.0078*
3	315.00	17	46809.	0.8	0.1128
4	314.00	29	448880.	7.8	1.0821*
5	313.00	43	3404736.	59.5	8.2077*
6	312.00	21	58614.	1.0	0.1413*
7	311.00	14	16919.	0.3	0.0408*
8	310.00	6	1232.	0.0	0.0030
9	309.00	6	798.	0.0	0.0019
10	308.00	10	1827.	0.0	0.0044
11	305.00	6	457.	0.0	0.0011
12	303.00	6	969.	0.0	0.0023
13	302.00	12	3863.	0.1	0.0093*
14	301.00	8	1741.	0.0	0.0042
15	300.00	17	31430.	0.5	0.0758*
16	299.00	25	227012.	4.0	0.5473*
17	298.00	43	2526080.	44.1	6.0895*
18	297.00	21	20260.	0.4	0.0488*
19	296.00	6	989.	0.0	0.0024
20	295.00	8	5251.	0.1	0.0127
21	294.00	8	3297.	0.1	0.0079
22	293.00	6	1112.	0.0	0.0027
23	291.00	8	711.	0.0	0.0017
24	289.00	8	2333.	0.0	0.0056
25	288.00	10	1157.	0.0	0.0028
26	287.00	12	1816.	0.0	0.0044
27	286.00	12	6197.	0.1	0.0149
28	285.00	21	35804.	0.6	0.0863*
29	284.00	35	75736.	1.3	0.1826*
30	283.00	17	15617.	0.3	0.0376*
31	282.00	6	552.	0.0	0.0013
32	272.00	8	10768.	0.2	0.0260
33	271.00	21	141864.	2.5	0.3420*
34	270.00	35	1449600.	25.3	3.4945*
35	269.00	12	4535.	0.1	0.0109*
36	268.00	6	334.	0.0	0.0008
37	267.00	8	874.	0.0	0.0021
38	266.00	6	953.	0.0	0.0023
39	259.00	6	1732.	0.0	0.0042
40	247.00	14	34934.	0.6	0.0842
41	246.00	17	212840.	3.7	0.5131
42	245.00	10	7410.	0.1	0.0179*
43	244.00	17	84820.	1.5	0.2045
44	243.00	8	4141.	0.1	0.0100
45	240.00	8	392.	0.0	0.0009
46	238.00	6	1508.	0.0	0.0036
47	236.00	8	2694.	0.0	0.0065
48	235.00	6	1468.	0.0	0.0035
49	229.00	10	2552.	0.0	0.0062
50	228.00	10	3394.	0.1	0.0082
51	226.00	8	11541.	0.2	0.0278
52	221.00	6	930.	0.0	0.0022
53	220.00	8	10318.	0.2	0.0249
54	219.00	10	12849.	0.2	0.0310
55	218.00	17	62946.	1.1	0.1517

PAGE 2

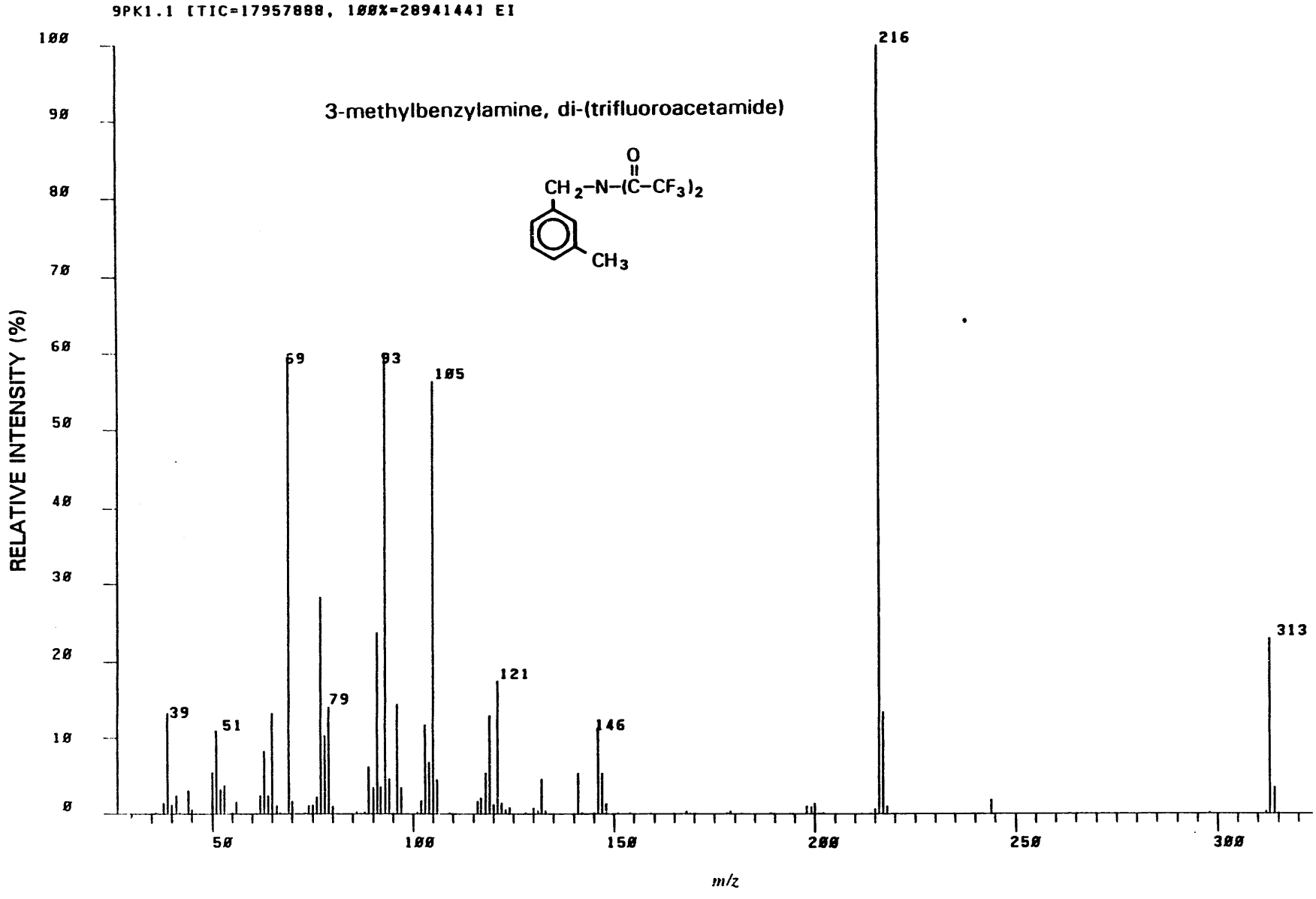
PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. NREF	% TOT. ION
56	217.00	17	86384.	1.5	0.2082*
57	216.00	25	346496.	6.1	0.8353*
58	215.00	10	16327.	0.3	0.0394
59	214.00	8	6025.	0.1	0.0145
60	210.00	6	324.	0.0	0.0008
61	205.00	17	30247.	0.5	0.0729*
62	204.00	25	317104.	5.5	0.7644*
63	203.00	35	1073400.	18.7	2.5876*
64	202.00	17	64785.	1.1	0.1562*
65	201.00	17	66944.	1.2	0.1614*
66	200.00	29	539152.	9.4	1.2997*
67	199.00	17	91984.	1.6	0.2217
68	198.00	17	58817.	1.0	0.1418
69	197.00	6	786.	0.0	0.0019
70	196.00	12	21612.	0.4	0.0521
71	194.00	8	2673.	0.0	0.0064
72	191.00	8	1898.	0.0	0.0046
73	190.00	10	10841.	0.2	0.0261
74	189.00	21	71732.	1.3	0.1729*
75	188.00	29	750352.	13.1	1.8089*
76	187.00	10	12012.	0.2	0.0290*
77	186.00	12	9073.	0.2	0.0219*
78	185.00	6	2769.	0.0	0.0067
79	184.00	8	606.	0.0	0.0015
80	183.00	8	2190.	0.0	0.0053
81	182.00	8	7240.	0.1	0.0175
82	181.00	8	8991.	0.2	0.0217
83	180.00	8	4615.	0.1	0.0111
84	179.00	10	12845.	0.2	0.0310*
85	178.00	17	42449.	0.7	0.1023
86	176.00	14	35556.	0.6	0.0857
87	175.00	21	372480.	6.5	0.8979*
88	174.00	14	41903.	0.7	0.1010
89	173.00	8	10364.	0.2	0.0250
90	172.00	12	19939.	0.3	0.0481
91	171.00	6	1259.	0.0	0.0030
92	170.00	8	7035.	0.1	0.0170
93	169.00	17	41817.	0.7	0.1008
94	168.00	21	223528.	3.9	0.5389
95	167.00	8	5100.	0.1	0.0123
96	166.00	8	5804.	0.1	0.0142
97	165.00	6	1969.	0.0	0.0047
98	164.00	12	23474.	0.4	0.0566*
99	163.00	8	7317.	0.1	0.0176
100	161.00	6	2525.	0.0	0.0061
101	160.00	14	38254.	0.7	0.0922*
102	159.00	8	1512.	0.0	0.0036
103	158.00	10	4693.	0.1	0.0113
104	157.00	8	2606.	0.0	0.0063
105	156.00	8	2546.	0.0	0.0061
106	155.00	21	54100.	0.9	0.1304*
107	154.00	29	487856.	8.5	1.1761*
108	153.00	14	18060.	0.3	0.0435*
109	152.00	17	15901.	0.3	0.0383*
110	151.00	17	24684.	0.4	0.0595*

PAGE 3

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. NREF	% TOT. ION
111	150.00	21	42781.	0.7	0.1031*
112	149.00	17	27913.	0.5	0.0673*
113	148.00	21	92776.	1.6	0.2237*
114	147.00	25	522304.	9.1	1.2591*
115	146.00	21	207332.	3.6	0.4998
116	145.00	21	116232.	2.0	0.2802*
117	144.00	14	29204.	0.5	0.0704
118	143.00	10	7170.	0.1	0.0173
119	142.00	8	12377.	0.2	0.0298
120	141.00	8	11743.	0.2	0.0283
121	140.00	14	23988.	0.4	0.0578*
122	139.00	17	13150.	0.2	0.0317*
123	138.00	14	13968.	0.2	0.0337*
124	137.00	10	5351.	0.1	0.0129*
125	136.00	10	4426.	0.1	0.0107
126	135.00	10	9932.	0.2	0.0239
127	134.00	17	39470.	0.7	0.0951
128	133.00	25	332704.	5.8	0.8020*
129	132.00	51	3790400.	66.2	9.1374*
130	131.00	25	79036.	1.4	0.1905*
131	130.00	21	159020.	2.8	0.3833
132	129.00	14	28051.	0.5	0.0676
133	128.00	25	220420.	3.9	0.5314*
134	127.00	17	63514.	1.1	0.1531*
135	126.00	8	1843.	0.0	0.0044
136	125.00	10	2853.	0.0	0.0069
137	123.00	8	8859.	0.2	0.0214
138	122.00	12	22133.	0.4	0.0534
139	121.00	21	75972.	1.3	0.1831
140	120.00	17	47927.	0.8	0.1155
141	119.00	25	202000.	3.5	0.4870*
142	118.00	29	131780.	2.3	0.3177*
143	117.00	21	150300.	2.6	0.3623*
144	116.00	21	227220.	4.0	0.5478*
145	115.00	14	24407.	0.4	0.0588*
146	114.00	12	20446.	0.4	0.0493*
147	113.00	8	4576.	0.1	0.0110
148	112.00	6	2815.	0.0	0.0068
149	111.00	8	995.	0.0	0.0024
150	110.00	12	20992.	0.4	0.0506
151	109.00	21	177364.	3.1	0.4276*
152	108.00	8	9980.	0.2	0.0241
153	107.00	17	60009.	1.0	0.1447
154	106.00	21	113544.	2.0	0.2737
155	105.00	35	913008.	15.9	2.2010*
156	104.00	29	653216.	11.4	1.5747*
157	103.00	29	766192.	13.4	1.8470*
158	102.00	25	297784.	3.6	0.5009*
159	101.00	25	67668.	1.2	0.1631*
160	100.00	10	10262.	0.2	0.0247
161	99.00	12	11632.	0.2	0.0280
162	98.00	8	3726.	0.1	0.0090
163	97.00	25	253364.	4.4	0.6108
164	96.00	10	17091.	0.3	0.0412
165	95.00	17	44382.	0.8	0.1070

PAGE 4

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. NREF	% TOT. ION
166	94.00	12	18149.	0.3	0.0438
167	93.00	25	221552.	3.9	0.5341*
168	92.00	25	132388.	2.3	0.3191
169	91.00	25	548096.	9.6	1.3213
170	90.00	29	379424.	6.6	0.9147*
171	89.00	25	378592.	6.6	0.9127*
172	88.00	25	66400.	1.2	0.1601*
173	87.00	17	31028.	0.5	0.0748*
174	86.00	12	17160.	0.3	0.0414
175	85.00	8	13434.	0.2	0.0324*
176	84.00	8	1152.	0.0	0.0028
177	83.00	17	53985.	0.9	0.1301*
178	82.00	17	16717.	0.3	0.0403*
179	81.00	12	12943.	0.2	0.0312*
180	80.00	17	62142.	1.1	0.1498*
181	79.00	29	684592.	12.0	1.6503*
182	78.00	35	650384.	11.4	1.5679*
183	77.00	35	2370240.	41.4	5.7139*
184	76.00	25	220192.	3.8	0.5308*
185	75.00	21	167440.	2.9	0.4036
186	74.00	21	82456.	1.4	0.1988*
187	73.00	10	16012.	0.3	0.0386
188	71.00	6	1395.	0.0	0.0034
189	70.00	17	63752.	1.1	0.1537
190	69.00	51	5725184.	100.0	*13.80*
191	68.00	10	10316.	0.2	0.0249*
192	67.00	14	26281.	0.5	0.0634*
193	66.00	25	104216.	1.8	0.2512*
194	65.00	25	474864.	8.3	1.1447*
195	64.00	25	332064.	5.8	0.8005
196	63.00	29	576240.	10.1	1.3891*
197	62.00	21	147744.	2.6	0.3562
198	61.00	17	46921.	0.8	0.1131*
199	60.00	12	4632.	0.1	0.0112*
200	59.00	12	7633.	0.1	0.0184*
201	58.00	12	11081.	0.2	0.0267*
202	57.00	21	21984.	0.4	0.0530*
203	56.00	12	15408.	0.3	0.0371
204	55.00	17	36454.	0.6	0.0879*
205	54.00	21	45617.	0.8	0.1100
206	53.00	25	201144.	3.5	0.4849
207	52.00	21	249056.	4.4	0.6004*
208	51.00	35	943008.	16.5	2.2733*
209	50.00	25	504960.	8.8	1.2173
210	49.00	10	15033.	0.3	0.0362*
211	47.00	21	50611.	0.9	0.1220*
212	45.00	12	13467.	0.2	0.0325
213	44.00	21	100244.	1.8	0.2417*
214	43.00	8	10765.	0.2	0.0260
215	42.00	17	16670.	0.3	0.0402*
216	41.00	25	148280.	2.6	0.3575*
217	40.00	25	116524.	2.0	0.2809*
218	39.00	29	831360.	14.5	2.0041*
219	38.00	29	150848.	2.8	0.3829*
220	37.00	21	56300.	1.0	0.1357*
221	36.00	14	36544.	0.6	0.0881*
222	35.00	8	2743.	0.0	0.0066

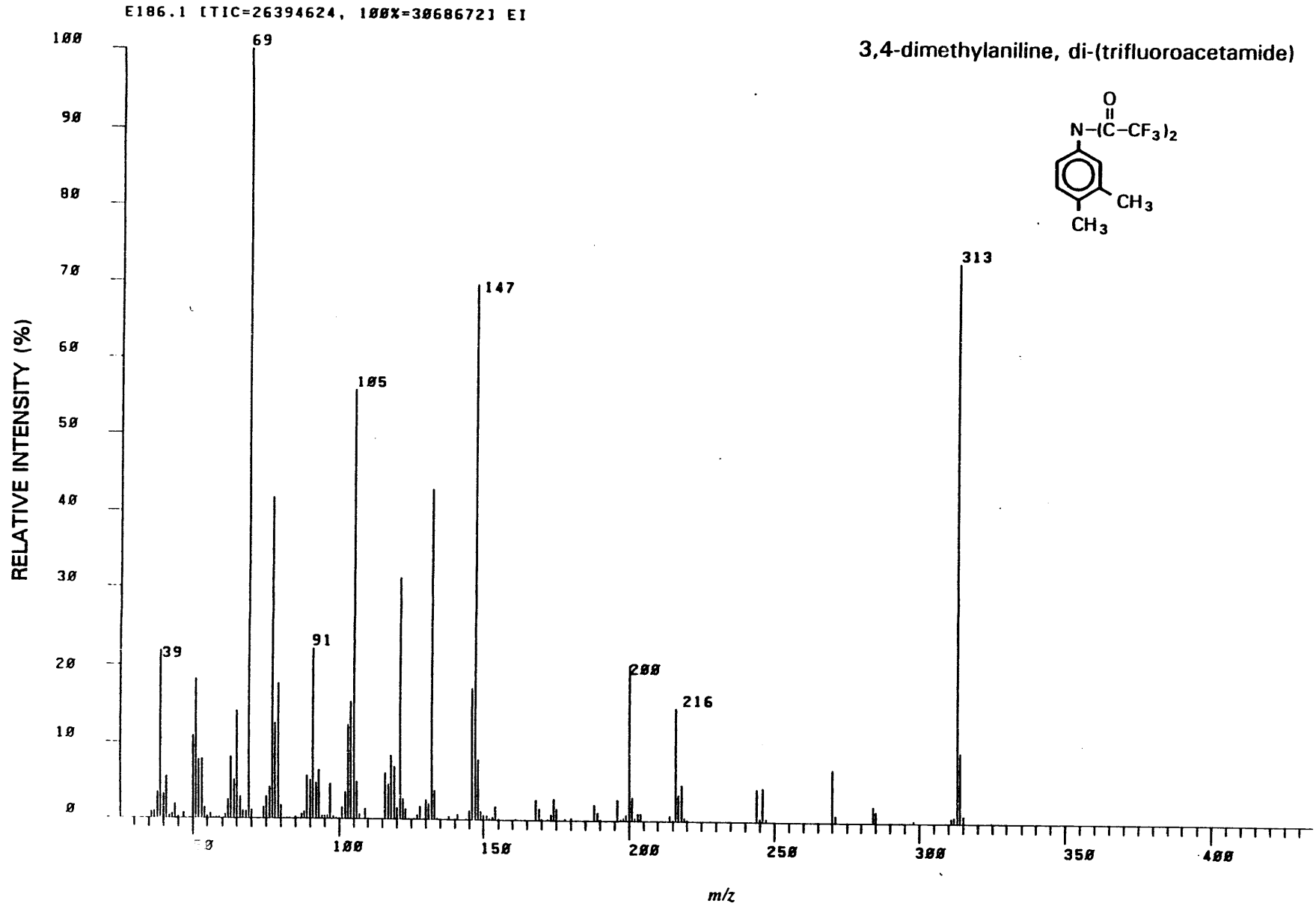

9PK1.1 [TIC=17957888, 100%=2894144] EI
3-methylbenzylamine, di-(trifluoroacetamide)
CH2–N–(C–CF3)2
O
CH3
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
216
313
69
93
105
121
79
39
51
146
50
100
150
200
250
300
m/z

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	315.00	8	2707.	0.1	0.1	0.0151
2	314.00	12	103156.	3.6	3.6	0.5744
3	313.00	21	660256.	22.8	22.8	3.6767
4	312.00	10	11999.	0.4	0.4	0.0668
5	311.00	10	1951.	0.1	0.1	0.0109
6	298.00	10	6073.	0.2	0.2	0.0338
7	245.00	10	1554.	0.1	0.1	0.0087
8	244.00	10	53305.	1.8	1.8	0.2968
9	219.00	8	2242.	0.1	0.1	0.0125
10	218.00	10	29787.	1.0	1.0	0.1659
11	217.00	21	385776.	13.3	13.3	2.1482*
12	216.00	43	2894144.	100.0	100.0	*16.11*
13	215.00	14	20762.	0.7	0.7	0.1156*
14	214.00	8	4622.	0.2	0.2	0.0257
15	202.00	8	6128.	0.2	0.2	0.0341
16	201.00	8	3440.	0.1	0.1	0.0192
17	200.00	12	39922.	1.4	1.4	0.2223
18	199.00	10	27144.	0.9	0.9	0.1512
19	198.00	10	29665.	1.0	1.0	0.1652
20	189.00	10	4999.	0.2	0.2	0.0278
21	180.00	8	1778.	0.1	0.1	0.0099
22	179.00	8	11890.	0.4	0.4	0.0662
23	178.00	10	4906.	0.2	0.2	0.0273
24	169.00	10	4498.	0.2	0.2	0.0250
25	168.00	8	10860.	0.4	0.4	0.0605
26	159.00	10	3073.	0.1	0.1	0.0171
27	154.00	8	6233.	0.2	0.2	0.0347
28	151.00	8	5413.	0.2	0.2	0.0301
29	148.00	12	39388.	1.4	1.4	0.2193*
30	147.00	17	154956.	5.4	5.4	0.8629
31	146.00	21	326032.	11.3	11.3	1.8155
32	145.00	8	5135.	0.2	0.2	0.0286
33	142.00	12	5909.	0.2	0.2	0.0329
34	141.00	17	155324.	5.4	5.4	0.8649
35	133.00	8	13596.	0.5	0.5	0.0757
36	132.00	17	133096.	4.6	4.6	0.7412
37	131.00	12	13137.	0.5	0.5	0.0732
38	130.00	8	22729.	0.8	0.8	0.1266
39	128.00	10	5193.	0.2	0.2	0.0289
40	127.00	6	2054.	0.1	0.1	0.0114
41	124.00	10	24791.	0.9	0.9	0.1381
42	123.00	10	17831.	0.6	0.6	0.0993
43	122.00	14	42179.	1.5	1.5	0.2349
44	121.00	25	500448.	17.3	17.3	2.7868*
45	120.00	14	37795.	1.3	1.3	0.2105
46	119.00	17	374352.	12.9	12.9	2.0846
47	118.00	17	154952.	5.4	5.4	0.8629*
48	117.00	14	59852.	2.1	2.1	0.3333
49	116.00	12	49444.	1.7	1.7	0.2753
50	115.00	6	794.	0.0	0.0	0.0044
51	109.00	10	6368.	0.2	0.2	0.0355
52	106.00	17	131976.	4.6	4.6	0.7349
53	105.00	25	1627776.	56.2	56.2	9.0644*
54	104.00	17	196452.	6.8	6.8	1.0940*
55	103.00	21	337440.	11.7	11.7	1.8791*

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	102.00	12	51362.	1.8	1.8	0.2860
57	101.00	12	8670.	0.3	0.3	0.0483*
58	97.00	17	102700.	3.5	3.5	0.5719
59	96.00	17	413392.	14.3	14.3	2.3020
60	95.00	8	3176.	0.1	0.1	0.0177
61	94.00	17	132468.	4.6	4.6	0.7377*
62	93.00	25	1734200.	59.9	59.9	9.6571*
63	92.00	17	104844.	3.6	3.6	0.5838
64	91.00	17	682688.	23.6	23.6	3.8016
65	90.00	17	102012.	3.5	3.5	0.5681
66	89.00	21	179224.	6.2	6.2	0.9980*
67	88.00	8	9302.	0.3	0.3	0.0518
68	87.00	6	3686.	0.1	0.1	0.0205
69	86.00	8	12042.	0.4	0.4	0.0671
70	85.00	6	1583.	0.1	0.1	0.0088
71	80.00	12	30814.	1.1	1.1	0.1716*
72	79.00	21	404240.	14.0	14.0	2.2510
73	78.00	21	298848.	10.3	10.3	1.6642
74	77.00	21	818768.	28.3	28.3	4.5594*
75	76.00	17	66748.	2.3	2.3	0.3717*
76	75.00	14	34676.	1.2	1.2	0.1931
77	74.00	12	32271.	1.1	1.1	0.1797
78	73.00	8	5938.	0.2	0.2	0.0331
79	72.00	8	1933.	0.1	0.1	0.0108
80	71.00	8	3652.	0.1	0.1	0.0203
81	70.00	14	50469.	1.7	1.7	0.2810
82	69.00	25	1694848.	58.6	58.6	9.4379
83	68.00	12	4005.	0.1	0.1	0.0223*
84	67.00	8	5896.	0.2	0.2	0.0328
85	66.00	12	31811.	1.1	1.1	0.1771
86	65.00	21	381024.	13.2	13.2	2.1218*
87	64.00	17	71096.	2.5	2.5	0.3959
88	63.00	17	239688.	8.3	8.3	1.3347
89	62.00	17	71496.	2.5	2.5	0.3981
90	61.00	8	3380.	0.1	0.1	0.0188
91	59.00	6	1182.	0.0	0.0	0.0066
92	58.00	6	1318.	0.0	0.0	0.0073
93	56.00	14	47071.	1.6	1.6	0.2621*
94	55.00	8	5320.	0.2	0.2	0.0296
95	54.00	6	2198.	0.1	0.1	0.0122
96	53.00	17	108456.	3.7	3.7	0.6039
97	52.00	17	94596.	3.3	3.3	0.5268
98	51.00	21	316880.	10.9	10.9	1.7646
99	50.00	21	157168.	5.4	5.4	0.8752*
100	47.00	6	707.	0.0	0.0	0.0039
101	45.00	12	19106.	0.7	0.7	0.1064
102	44.00	17	89568.	3.1	3.1	0.4988*
103	42.00	10	6281.	0.2	0.2	0.0350*
104	41.00	17	71152.	2.5	2.5	0.3962*
105	40.00	12	33971.	1.2	1.2	0.1892*
106	39.00	21	382736.	13.2	13.2	2.1313
107	38.00	12	41691.	1.4	1.4	0.2322*
108	37.00	8	1820.	0.1	0.1	0.0101
109	36.00	8	6960.	0.2	0.2	0.0388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3,4-dimethylaniline, di-(trifluoroacetamide)
RELATIVE INTENSITY (%)
m/z
69
147
105
313
39
91
200
216
100
90
80
70
60
50
40
30
20
10
0
0
100
150
200
250
300
350
400

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	429.00	6	677.	0.0	0.0	0.0026
2	346.00	6	844.	0.0	0.0	0.0032
3	317.00	6	898.	0.0	0.0	0.0034
4	315.00	17	32546.	1.1	1.1	0.1233*
5	314.00	29	285584.	9.3	9.3	1.0820*
6	313.00	43	2236032.	72.9	72.9	8.4715*
7	312.00	14	26587.	0.9	0.9	0.1007
8	311.00	14	20925.	0.7	0.7	0.0793*
9	309.00	8	2898.	0.1	0.1	0.0110
10	298.00	10	10447.	0.3	0.3	0.0396
11	294.00	6	2669.	0.1	0.1	0.0101
12	286.00	8	2313.	0.1	0.1	0.0088
13	285.00	14	45987.	1.5	1.5	0.1742
14	284.00	17	68124.	2.2	2.2	0.2581
15	283.00	6	1050.	0.0	0.0	0.0040
16	282.00	6	1449.	0.0	0.0	0.0055
17	271.00	12	27713.	0.9	0.9	0.1050
18	270.00	21	214252.	7.0	7.0	0.8117
19	260.00	6	712.	0.0	0.0	0.0027
20	247.00	12	14864.	0.5	0.5	0.0563
21	246.00	17	137884.	4.5	4.5	0.5224
22	245.00	12	14764.	0.5	0.5	0.0559*
23	244.00	17	133996.	4.4	4.4	0.5077*
24	228.00	6	2536.	0.1	0.1	0.0096
25	220.00	8	5046.	0.2	0.2	0.0191
26	219.00	10	17325.	0.6	0.6	0.0656
27	218.00	17	149512.	4.9	4.9	0.5664*
28	217.00	17	107572.	3.5	3.5	0.4076
29	216.00	25	456064.	14.9	14.9	1.7279*
30	215.00	10	6165.	0.2	0.2	0.0234
31	214.00	14	24678.	0.8	0.8	0.0935
32	213.00	8	1898.	0.1	0.1	0.0072
33	205.00	6	2339.	0.1	0.1	0.0089
34	204.00	12	30404.	1.0	1.0	0.1152
35	203.00	12	30407.	1.0	1.0	0.1152
36	202.00	10	14476.	0.5	0.5	0.0548
37	201.00	17	98000.	3.2	3.2	0.3713
38	200.00	25	621440.	20.3	20.3	2.3544
39	199.00	14	25347.	0.8	0.8	0.0960*
40	198.00	10	15485.	0.5	0.5	0.0587
41	197.00	10	9172.	0.3	0.3	0.0347
42	196.00	17	88588.	2.9	2.9	0.3356*
43	191.00	6	616.	0.0	0.0	0.0023
44	190.00	8	5495.	0.2	0.2	0.0208
45	189.00	17	33720.	1.1	1.1	0.1278
46	188.00	17	66944.	2.2	2.2	0.2536
47	187.00	6	1380.	0.0	0.0	0.0052
48	186.00	10	4280.	0.1	0.1	0.0162
49	182.00	6	4734.	0.2	0.2	0.0179
50	181.00	8	1029.	0.0	0.0	0.0039
51	180.00	8	10779.	0.4	0.4	0.0408
52	179.00	12	2394.	0.1	0.1	0.0091
53	178.00	10	10009.	0.3	0.3	0.0379
54	176.00	8	2967.	0.1	0.1	0.0112
55	175.00	17	50014.	1.6	1.6	0.1895

PAGE 2

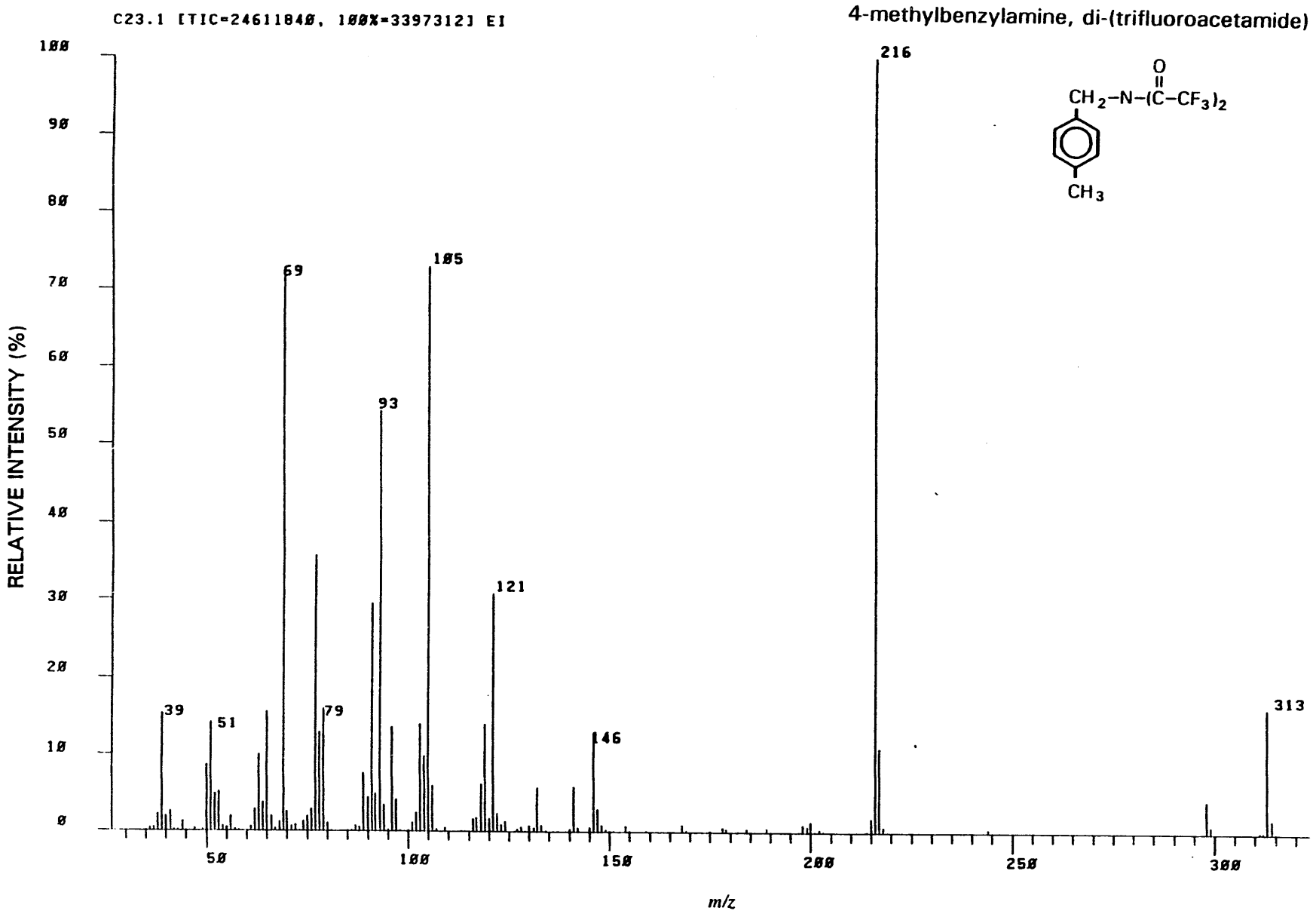
PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	174.00	17	90760.	3.0	3.0	0.3439
57	173.00	12	24999.	0.8	0.8	0.0947
58	172.00	8	7027.	0.2	0.2	0.0266
59	170.00	10	5200.	0.2	0.2	0.0197*
60	169.00	17	50136.	1.6	1.6	0.1899
61	168.00	17	84564.	2.8	2.8	0.3204
62	167.00	8	827.	0.0	0.0	0.0031
63	166.00	6	2206.	0.1	0.1	0.0084
64	164.00	8	4749.	0.2	0.2	0.0180
65	163.00	6	1067.	0.0	0.0	0.0040
66	162.00	6	628.	0.0	0.0	0.0024
67	161.00	8	5466.	0.2	0.2	0.0207
68	155.00	10	7012.	0.2	0.2	0.0266
69	154.00	17	57113.	1.9	1.9	0.2164
70	153.00	12	13304.	0.4	0.4	0.0504*
71	152.00	14	8496.	0.3	0.3	0.0322*
72	151.00	12	18614.	0.6	0.6	0.0705
73	150.00	14	21451.	0.7	0.7	0.0813*
74	149.00	14	35797.	1.2	1.2	0.1356*
75	148.00	35	245572.	8.0	8.0	0.9304*
76	147.00	43	2138240.	69.7	69.7	8.1010*
77	146.00	35	528128.	17.2	17.2	2.0009*
78	145.00	14	39430.	1.3	1.3	0.1494*
79	144.00	10	6727.	0.2	0.2	0.0255
80	143.00	8	1797.	0.1	0.1	0.0068
81	142.00	8	1276.	0.0	0.0	0.0048
82	141.00	12	24243.	0.8	0.8	0.0918
83	140.00	6	2718.	0.1	0.1	0.0103
84	139.00	12	2367.	0.1	0.1	0.0090
85	138.00	14	14100.	0.5	0.5	0.0535*
86	135.00	6	4615.	0.2	0.2	0.0175
87	134.00	12	8412.	0.3	0.3	0.0319
88	133.00	17	121036.	3.9	3.9	0.4586
89	132.00	35	1314432.	42.8	42.8	4.9799*
90	131.00	21	68568.	2.2	2.2	0.2598*
91	130.00	21	84184.	2.7	2.7	0.3189*
92	129.00	10	6319.	0.2	0.2	0.0239*
93	128.00	17	55082.	1.8	1.8	0.2087
94	127.00	10	18267.	0.6	0.6	0.0692*
95	126.00	8	7296.	0.2	0.2	0.0276
96	124.00	8	5960.	0.2	0.2	0.0226
97	123.00	17	45520.	1.5	1.5	0.1725
98	122.00	17	86480.	2.8	2.8	0.3276
99	121.00	35	958240.	31.2	31.2	3.6304*
100	120.00	17	50213.	1.6	1.6	0.1902
101	119.00	25	215828.	7.0	7.0	0.8177*
102	118.00	35	259172.	8.4	8.4	0.9819*
103	117.00	25	143152.	4.7	4.7	0.5424*
104	116.00	21	189356.	6.2	6.2	0.7174*
105	115.00	12	4358.	0.1	0.1	0.0165*
106	114.00	8	4837.	0.2	0.2	0.0183
107	112.00	6	1027.	0.0	0.0	0.0039
108	110.00	8	2925.	0.1	0.1	0.0111
109	109.00	17	45970.	1.5	1.5	0.1742
110	108.00	8	1662.	0.1	0.1	0.0063

PAGE 3

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	107.00	12	22185.	0.7	0.7	0.0841
112	106.00	21	155376.	5.1	5.1	0.5887
113	105.00	35	1712192.	55.8	55.8	6.4869*
114	104.00	29	472304.	15.4	15.4	1.7894*
115	103.00	21	382080.	12.5	12.5	1.4476
116	102.00	17	111600.	3.6	3.6	0.4228
117	101.00	29	50267.	1.6	1.6	0.1904*
118	100.00	10	4300.	0.1	0.1	0.0163
119	99.00	8	5481.	0.2	0.2	0.0208
120	98.00	10	11083.	0.4	0.4	0.0420
121	97.00	25	143724.	4.7	4.7	0.5445*
122	96.00	12	17882.	0.6	0.6	0.0677*
123	95.00	12	15108.	0.5	0.5	0.0572*
124	94.00	8	13252.	0.4	0.4	0.0502
125	93.00	25	198792.	6.5	6.5	0.7532
126	92.00	25	150124.	4.9	4.9	0.5688
127	91.00	29	679840.	22.2	22.2	2.5757*
128	90.00	25	160216.	5.2	5.2	0.6070*
129	89.00	25	175984.	5.7	5.7	0.6667*
130	88.00	14	32711.	1.1	1.1	0.1239*
131	87.00	12	21647.	0.7	0.7	0.0820
132	86.00	10	6827.	0.2	0.2	0.0259*
133	85.00	10	8205.	0.3	0.3	0.0311
134	84.00	8	1684.	0.1	0.1	0.0064
135	83.00	12	7195.	0.2	0.2	0.0273*
136	82.00	12	6117.	0.2	0.2	0.0232*
137	81.00	6	4764.	0.2	0.2	0.0180
138	80.00	21	57835.	1.9	1.9	0.2191
139	79.00	25	544800.	17.8	17.8	2.0641
140	78.00	29	384864.	12.5	12.5	1.4581*
141	77.00	35	1280512.	41.7	41.7	4.8514*
142	76.00	21	131532.	4.3	4.3	0.4983*
143	75.00	21	93036.	3.0	3.0	0.3525*
144	74.00	17	49238.	1.6	1.6	0.1865*
145	73.00	8	4381.	0.1	0.1	0.0166
146	72.00	14	3351.	0.1	0.1	0.0127*
147	71.00	17	3233.	0.1	0.1	0.0122*
148	70.00	17	37660.	1.2	1.2	0.1427*
149	69.00	35	3068672.	100.0	100.0	*11.62*
150	68.00	21	32676.	1.1	1.1	0.1238*
151	67.00	14	35103.	1.1	1.1	0.1330*
152	66.00	21	92720.	3.0	3.0	0.3513
153	65.00	25	434416.	14.2	14.2	1.6459
154	64.00	25	159080.	5.2	5.2	0.6027
155	63.00	25	250964.	8.2	8.2	0.9508
156	62.00	21	80188.	2.6	2.6	0.3038*
157	61.00	12	19613.	0.6	0.6	0.0743
158	59.00	8	8620.	0.3	0.3	0.0327*
159	58.00	8	5184.	0.2	0.2	0.0196
160	57.00	6	2769.	0.1	0.1	0.0105
161	56.00	12	20934.	0.7	0.7	0.0793*
162	55.00	10	11413.	0.4	0.4	0.0432*
163	54.00	21	46431.	1.5	1.5	0.1759*
164	53.00	21	243384.	7.9	7.9	0.9221
165	52.00	25	240988.	7.9	7.9	0.9130

PAGE 4

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
166	51.00	25	560272.	18.3	18.3	2.1227*
167	50.00	25	336016.	10.9	10.9	1.2730*
168	49.00	8	3437.	0.1	0.1	0.0130
169	47.00	14	24219.	0.8	0.8	0.0918
170	46.00	8	2080.	0.1	0.1	0.0079
171	45.00	10	9428.	0.3	0.3	0.0357
172	44.00	17	62526.	2.0	2.0	0.2369*
173	43.00	10	21009.	0.7	0.7	0.0796
174	42.00	10	15327.	0.5	0.5	0.0581
175	41.00	21	172464.	5.6	5.6	0.6534
176	40.00	29	102792.	3.3	3.3	0.3894*
177	39.00	29	669424.	21.8	21.8	2.5362
178	38.00	25	107800.	3.5	3.5	0.4084*
179	37.00	17	31512.	1.0	1.0	0.1194*
180	36.00	14	29919.	1.0	1.0	0.1134
181	35.00	8	678.	0.0	0.0	0.0026


C23.1 [TIC=24611840, 100%=3397312] EI
4-methylbenzylamine, di-(trifluoroacetamide)
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
216
185
69
93
121
39
51
79
146
313
50
100
150
200
250
300
m/z
CH2–N–(C–CF3)2
O
CH3

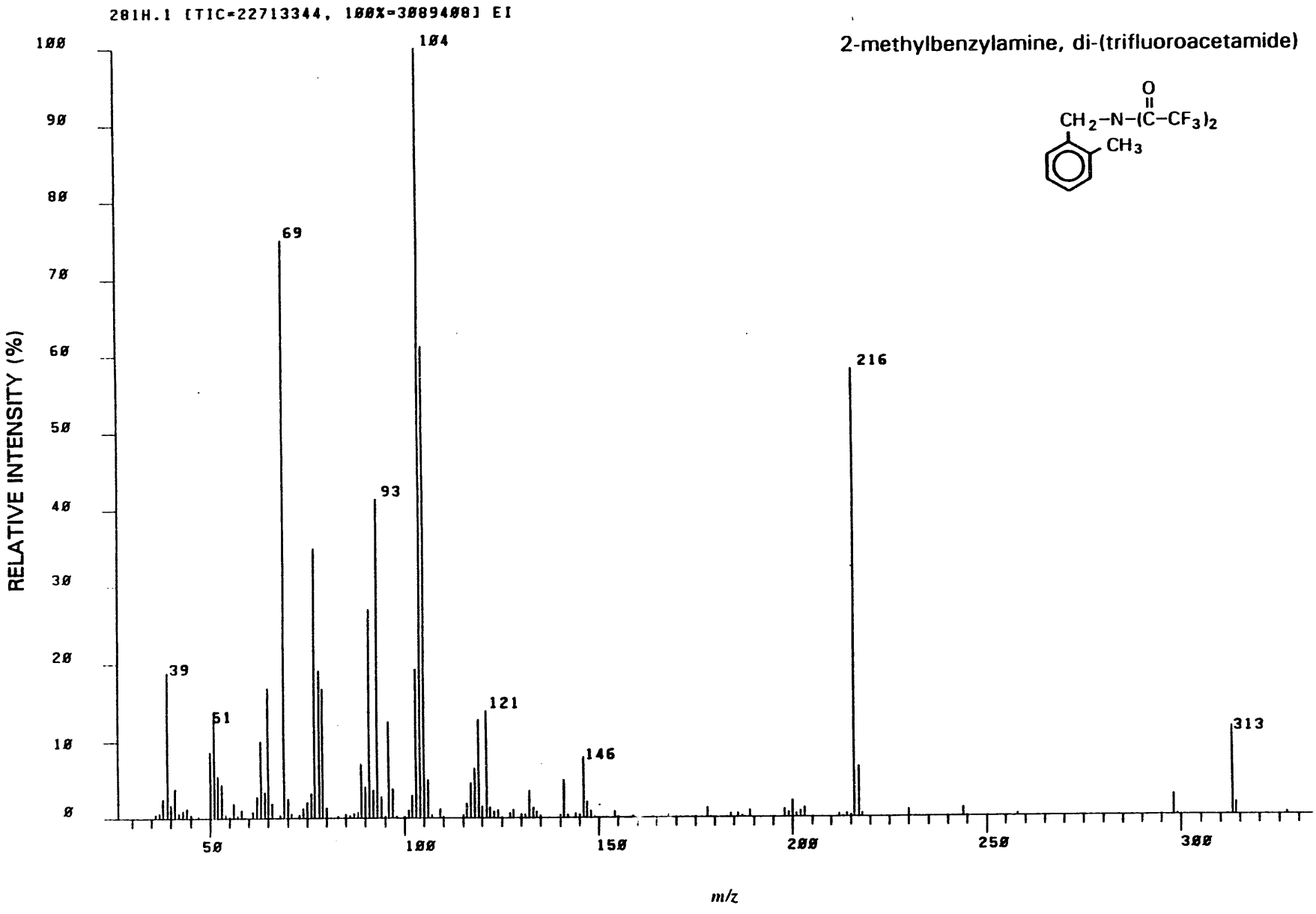
PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	316.00	6	699.	0.0	0.0	0.0028
2	315.00	10	5105.	0.2	0.2	0.0207
3	314.00	14	63568.	1.9	1.9	0.2583
4	313.00	25	552544.	16.3	16.3	2.2458*
5	312.00	17	9856.	0.3	0.3	0.0400*
6	311.00	10	9573.	0.3	0.3	0.0389*
7	299.00	12	31570.	0.9	0.9	0.1283
8	298.00	17	144452.	4.3	4.3	0.5869
9	296.00	8	997.	0.0	0.0	0.0041
10	295.00	8	1202.	0.0	0.0	0.0049
11	285.00	6	1704.	0.1	0.1	0.0069
12	284.00	6	1273.	0.0	0.0	0.0052
13	270.00	8	1347.	0.0	0.0	0.0055
14	255.00	6	1066.	0.0	0.0	0.0043
15	244.00	10	15856.	0.5	0.5	0.0644
16	243.00	8	1119.	0.0	0.0	0.0045
17	229.00	6	1260.	0.0	0.0	0.0051
18	228.00	8	1731.	0.1	0.1	0.0070
19	222.00	8	842.	0.0	0.0	0.0034
20	219.00	8	3429.	0.1	0.1	0.0139
21	218.00	12	25858.	0.8	0.8	0.1051
22	217.00	29	369280.	10.9	10.9	1.5004*
23	216.00	43	3397312.	100.0	100.0	*13.80*
24	215.00	29	64076.	1.9	1.9	0.2603*
25	214.00	12	7841.	0.2	0.2	0.0319*
26	213.00	8	1201.	0.0	0.0	0.0049
27	203.00	10	10774.	0.3	0.3	0.0438
28	202.00	10	11559.	0.3	0.3	0.0470
29	201.00	8	4209.	0.1	0.1	0.0171
30	200.00	14	47320.	1.4	1.4	0.1923
31	199.00	12	26064.	0.8	0.8	0.1059
32	198.00	14	31081.	0.9	0.9	0.1263
33	197.00	6	776.	0.0	0.0	0.0032
34	192.00	10	1101.	0.0	0.0	0.0045
35	190.00	6	1554.	0.0	0.0	0.0063
36	189.00	12	19171.	0.6	0.6	0.0779
37	186.00	10	5573.	0.2	0.2	0.0226
38	184.00	10	16692.	0.5	0.5	0.0678
39	183.00	6	1322.	0.0	0.0	0.0054
40	182.00	10	4909.	0.1	0.1	0.0199
41	181.00	14	2487.	0.1	0.1	0.0101
42	180.00	8	1347.	0.0	0.0	0.0055
43	179.00	10	17021.	0.5	0.5	0.0692
44	178.00	14	20426.	0.6	0.6	0.0830
45	175.00	10	5782.	0.2	0.2	0.0235
46	174.00	8	2262.	0.1	0.1	0.0092
47	172.00	12	2500.	0.1	0.1	0.0102
48	170.00	6	1182.	0.0	0.0	0.0048
49	169.00	10	9308.	0.3	0.3	0.0378*
50	168.00	17	31445.	0.9	0.9	0.1278
51	167.00	6	376.	0.0	0.0	0.0015
52	166.00	10	4931.	0.1	0.1	0.0200
53	164.00	6	924.	0.0	0.0	0.0038
54	160.00	8	1299.	0.0	0.0	0.0053
55	159.00	10	5826.	0.2	0.2	0.0237

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	158.00	10	968.	0.0	0.0	0.0039
57	155.00	12	4330.	0.1	0.1	0.0176
58	154.00	14	27598.	0.8	0.8	0.1121
59	151.00	10	6230.	0.2	0.2	0.0253
60	150.00	10	4473.	0.1	0.1	0.0182*
61	149.00	10	10911.	0.3	0.3	0.0443
62	148.00	14	30351.	0.9	0.9	0.1233*
63	147.00	17	102668.	3.0	3.0	0.4171
64	146.00	29	430048.	12.7	12.7	1.7473*
65	145.00	10	20329.	0.6	0.6	0.0826
66	142.00	10	18842.	0.6	0.6	0.0766
67	141.00	21	197724.	5.8	5.8	0.8034
68	140.00	12	14056.	0.4	0.4	0.0571*
69	135.00	6	1463.	0.0	0.0	0.0059
70	134.00	14	6794.	0.2	0.2	0.0276
71	133.00	12	30411.	0.9	0.9	0.1236
72	132.00	21	194768.	5.7	5.7	0.7914
73	131.00	17	17973.	0.5	0.5	0.0730*
74	130.00	14	25946.	0.8	0.8	0.1054*
75	129.00	10	4714.	0.1	0.1	0.0192
76	128.00	17	20855.	0.6	0.6	0.0847*
77	127.00	14	11679.	0.3	0.3	0.0475
78	124.00	14	46952.	1.4	1.4	0.1908*
79	123.00	17	33332.	1.0	1.0	0.1354
80	122.00	21	82204.	2.4	2.4	0.3340*
81	121.00	35	1043296.	30.7	30.7	4.2390*
82	120.00	21	63443.	1.9	1.9	0.2578*
83	119.00	29	473840.	13.9	13.9	1.9253*
84	118.00	21	210708.	6.2	6.2	0.8561
85	117.00	17	63220.	1.9	1.9	0.2569*
86	116.00	17	56982.	1.7	1.7	0.2315*
87	115.00	12	3138.	0.1	0.1	0.0127
88	114.00	10	2844.	0.1	0.1	0.0116
89	113.00	12	3889.	0.1	0.1	0.0158
90	112.00	8	2393.	0.1	0.1	0.0097
91	109.00	12	17487.	0.5	0.5	0.0711
92	107.00	14	11490.	0.3	0.3	0.0467
93	106.00	21	205504.	6.0	6.0	0.8350
94	105.00	43	2475712.	72.9	72.9	*10.05*
95	104.00	29	334464.	9.8	9.8	1.3590*
96	103.00	25	473200.	13.9	13.9	1.9227
97	102.00	21	86124.	2.5	2.5	0.3499*
98	101.00	25	41991.	1.2	1.2	0.1706*
99	100.00	8	7754.	0.2	0.2	0.0315
100	99.00	8	5128.	0.2	0.2	0.0208
101	98.00	12	6412.	0.2	0.2	0.0261
102	97.00	21	141652.	4.2	4.2	0.5755*
103	96.00	25	458464.	13.5	13.5	1.8628*
104	95.00	12	10664.	0.3	0.3	0.0433
105	94.00	21	120120.	3.5	3.5	0.4881*
106	93.00	43	1842176.	54.2	54.2	7.4849*
107	92.00	25	170052.	5.0	5.0	0.6909*
108	91.00	29	1001360.	29.5	29.5	4.0686*
109	90.00	35	154164.	4.5	4.5	0.6264*
110	89.00	35	255444.	7.5	7.5	1.0379*

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	88.00	17	20112.	0.6	0.6	0.0817*
112	87.00	14	27640.	0.8	0.8	0.1123
113	86.00	14	9360.	0.3	0.3	0.0380
114	85.00	8	5280.	0.2	0.2	0.0215
115	83.00	6	1740.	0.1	0.1	0.0071
116	81.00	8	3037.	0.1	0.1	0.0123
117	80.00	17	38899.	1.1	1.1	0.1580
118	79.00	25	542240.	16.0	16.0	2.2032*
119	78.00	25	435120.	12.8	12.8	1.7679
120	77.00	35	1212160.	35.7	35.7	4.9251*
121	76.00	25	99168.	2.9	2.9	0.4029*
122	75.00	25	69140.	2.0	2.0	0.2809*
123	74.00	17	47394.	1.4	1.4	0.1926*
124	73.00	14	8259.	0.2	0.2	0.0336*
125	72.00	25	29576.	0.9	0.9	0.1202*
126	71.00	25	25721.	0.8	0.8	0.1045*
127	70.00	21	90048.	2.7	2.7	0.3659*
128	69.00	51	2455552.	72.3	72.3	9.9771*
129	68.00	35	43202.	1.3	1.3	0.1755*
130	67.00	21	16005.	0.5	0.5	0.0650*
131	66.00	17	69960.	2.1	2.1	0.2843
132	65.00	25	528640.	15.6	15.6	2.1479*
133	64.00	21	131264.	3.9	3.9	0.5333*
134	63.00	25	340016.	10.0	10.0	1.3815
135	62.00	17	101732.	3.0	3.0	0.4133
136	61.00	14	20636.	0.6	0.6	0.0838*
137	60.00	6	4133.	0.1	0.1	0.0168
138	59.00	6	4717.	0.1	0.1	0.0192
139	58.00	29	6046.	0.2	0.2	0.0246*
140	57.00	12	10781.	0.3	0.3	0.0438
141	56.00	14	67484.	2.0	2.0	0.2742
142	55.00	17	18540.	0.5	0.5	0.0753*
143	54.00	12	24725.	0.7	0.7	0.1005
144	53.00	21	178156.	5.2	5.2	0.7239
145	52.00	21	168732.	5.0	5.0	0.6856*
146	51.00	25	482528.	14.2	14.2	1.9606
147	50.00	29	291408.	8.6	8.6	1.1840*
148	49.00	14	8947.	0.3	0.3	0.0364*
149	48.00	8	797.	0.0	0.0	0.0032
150	47.00	14	13869.	0.4	0.4	0.0564
151	46.00	12	4666.	0.1	0.1	0.0190*
152	45.00	10	3882.	0.1	0.1	0.0158
153	44.00	17	43133.	1.3	1.3	0.1753*
154	43.00	17	9392.	0.3	0.3	0.0382*
155	42.00	21	9509.	0.3	0.3	0.0386*
156	41.00	21	92204.	2.7	2.7	0.3746
157	40.00	21	67888.	2.0	2.0	0.2758*
158	39.00	29	520480.	15.3	15.3	2.1148*
159	38.00	21	76664.	2.3	2.3	0.3115
160	37.00	17	19466.	0.6	0.6	0.0791*
161	36.00	12	16635.	0.5	0.5	0.0676
162	35.00	10	3097.	0.1	0.1	0.0126


281H.1 [TIC=22713344, 100%=3089408] EI
2-methylbenzylamine, di-(trifluoroacetamide)
RELATIVE INTENSITY (%)
m/z
104
69
216
93
39
121
51
146
313

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PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	327.00	10	14780.	0.5	0.5	0.0651
2	315.00	6	3623.	0.1	0.1	0.0160
3	314.00	14	53329.	1.7	1.7	0.2348
4	313.00	25	359280.	11.6	11.6	1.5818
5	312.00	8	2743.	0.1	0.1	0.0121
6	299.00	10	10139.	0.3	0.3	0.0446
7	298.00	17	83784.	2.7	2.7	0.3689
8	295.00	8	2930.	0.1	0.1	0.0129
9	284.00	8	2549.	0.1	0.1	0.0112
10	278.00	6	912.	0.0	0.0	0.0040
11	259.00	10	2171.	0.1	0.1	0.0096
12	258.00	12	11351.	0.4	0.4	0.0500*
13	247.00	8	1818.	0.1	0.1	0.0080
14	245.00	8	4924.	0.2	0.2	0.0217
15	244.00	14	36089.	1.2	1.2	0.1589
16	243.00	8	665.	0.0	0.0	0.0029
17	242.00	8	862.	0.0	0.0	0.0038
18	230.00	10	32669.	1.1	1.1	0.1438
19	229.00	8	4679.	0.2	0.2	0.0206
20	228.00	6	617.	0.0	0.0	0.0027
21	223.00	6	995.	0.0	0.0	0.0044
22	219.00	8	1828.	0.1	0.1	0.0080
23	218.00	12	17273.	0.6	0.6	0.0760*
24	217.00	25	203196.	6.6	6.6	0.8946*
25	216.00	43	1796032.	58.1	58.1	7.9074*
26	215.00	14	11195.	0.4	0.4	0.0493*
27	214.00	12	16507.	0.5	0.5	0.0727*
28	213.00	10	6385.	0.2	0.2	0.0281*
29	212.00	10	15591.	0.5	0.5	0.0686
30	204.00	10	4834.	0.2	0.2	0.0213
31	203.00	14	40324.	1.3	1.3	0.1775
32	202.00	12	27762.	0.9	0.9	0.1222
33	201.00	12	18085.	0.6	0.6	0.0796*
34	200.00	17	68440.	2.2	2.2	0.3013
35	199.00	12	22189.	0.7	0.7	0.0977*
36	198.00	14	34481.	1.1	1.1	0.1518
37	195.00	6	1668.	0.1	0.1	0.0073
38	190.00	6	1886.	0.1	0.1	0.0083
39	189.00	12	29976.	1.0	1.0	0.1320
40	187.00	10	9699.	0.3	0.3	0.0427
41	186.00	12	16604.	0.5	0.5	0.0731
42	185.00	8	2136.	0.1	0.1	0.0094
43	184.00	10	15744.	0.5	0.5	0.0693
44	183.00	6	3839.	0.1	0.1	0.0169
45	182.00	6	4363.	0.1	0.1	0.0192
46	181.00	8	1653.	0.1	0.1	0.0073
47	180.00	8	1327.	0.0	0.0	0.0058
48	179.00	8	7154.	0.2	0.2	0.0315
49	178.00	14	40169.	1.3	1.3	0.1769
50	175.00	8	2980.	0.1	0.1	0.0131
51	173.00	10	4379.	0.1	0.1	0.0193
52	171.00	6	3147.	0.1	0.1	0.0139
53	169.00	8	2958.	0.1	0.1	0.0130
54	168.00	10	13705.	0.4	0.4	0.0603
55	167.00	6	608.	0.0	0.0	0.0027

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PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	166.00	8	3669.	0.1	0.1	0.0162
57	164.00	8	3166.	0.1	0.1	0.0139
58	160.00	8	3123.	0.1	0.1	0.0137
59	159.00	10	8163.	0.3	0.3	0.0359
60	155.00	10	5299.	0.2	0.2	0.0233
61	154.00	12	26590.	0.9	0.9	0.1171
62	153.00	8	2316.	0.1	0.1	0.0102
63	152.00	8	3209.	0.1	0.1	0.0141
64	151.00	10	4546.	0.1	0.1	0.0200
65	150.00	8	3392.	0.1	0.1	0.0149
66	149.00	10	5130.	0.2	0.2	0.0226
67	148.00	14	29425.	1.0	1.0	0.1295
68	147.00	17	64560.	2.1	2.1	0.2842*
69	146.00	21	245124.	7.9	7.9	1.0792*
70	145.00	10	13101.	0.4	0.4	0.0577
71	144.00	12	19283.	0.6	0.6	0.0849*
72	142.00	12	15455.	0.5	0.5	0.0680*
73	141.00	21	152528.	4.9	4.9	0.6715*
74	140.00	10	15030.	0.5	0.5	0.0662
75	137.00	6	775.	0.0	0.0	0.0034
76	135.00	10	12385.	0.4	0.4	0.0545
77	134.00	12	26170.	0.8	0.8	0.1152
78	133.00	17	41789.	1.4	1.4	0.1840
79	132.00	17	109216.	3.5	3.5	0.4808
80	131.00	12	17023.	0.6	0.6	0.0749
81	130.00	14	15625.	0.5	0.5	0.0688*
82	129.00	6	1223.	0.0	0.0	0.0054
83	128.00	14	34400.	1.1	1.1	0.1515
84	127.00	14	23170.	0.7	0.7	0.1020*
85	126.00	8	1209.	0.0	0.0	0.0053
86	125.00	10	7547.	0.2	0.2	0.0332
87	124.00	14	33613.	1.1	1.1	0.1480
88	123.00	14	28770.	0.9	0.9	0.1267
89	122.00	17	43986.	1.4	1.4	0.1937
90	121.00	25	429776.	13.9	13.9	1.8922*
91	120.00	17	47844.	1.5	1.5	0.2106
92	119.00	25	396800.	12.8	12.8	1.7470*
93	118.00	17	200388.	6.5	6.5	0.8822
94	117.00	21	142068.	4.6	4.6	0.6255*
95	116.00	17	59754.	1.9	1.9	0.2631
96	115.00	12	13644.	0.4	0.4	0.0601*
97	114.00	6	1374.	0.0	0.0	0.0060
98	112.00	6	1611.	0.1	0.1	0.0071
99	110.00	10	10179.	0.3	0.3	0.0448
100	109.00	17	37030.	1.2	1.2	0.1630
101	107.00	8	14642.	0.5	0.5	0.0645
102	106.00	21	155540.	5.0	5.0	0.6848*
103	105.00	35	1894016.	61.3	61.3	8.3388*
104	104.00	59	3089408.	100.0	100.0	*13.60*
105	103.00	43	595312.	19.3	19.3	2.6210*
106	102.00	25	91984.	3.0	3.0	0.4050*
107	101.00	17	33009.	1.1	1.1	0.1453*
108	100.00	8	5617.	0.2	0.2	0.0247
109	99.00	10	1286.	0.0	0.0	0.0057
110	98.00	8	8717.	0.3	0.3	0.0384

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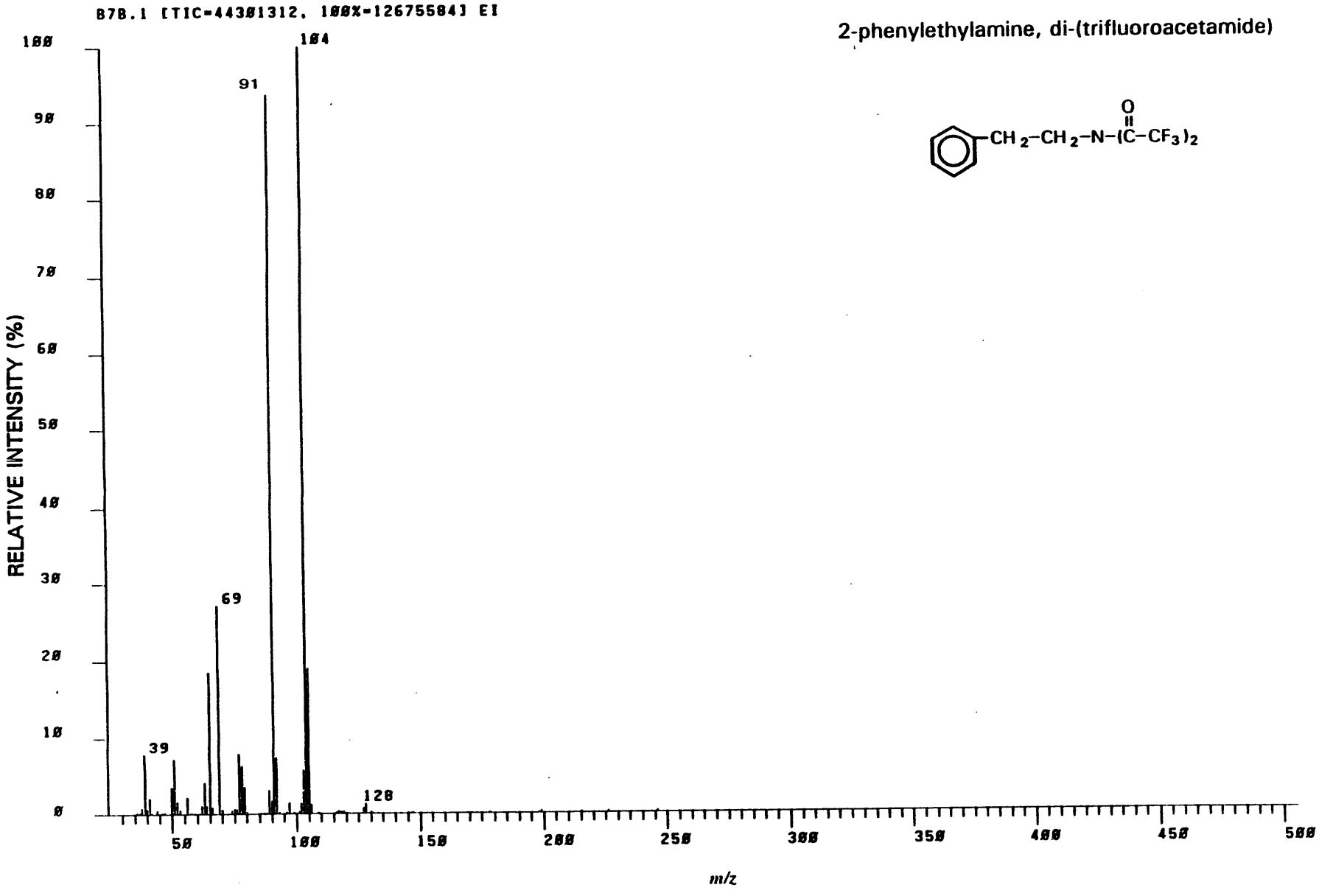
PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	97.00	21	116404.	3.8	3.8	0.5125
112	96.00	21	389840.	12.6	12.6	1.7163*
113	95.00	8	9180.	0.3	0.3	0.0404
114	94.00	17	88332.	2.9	2.9	0.3889
115	93.00	35	1278528.	41.4	41.4	5.6290*
116	92.00	21	115420.	3.7	3.7	0.5082*
117	91.00	35	831584.	26.9	26.9	3.6612*
118	90.00	21	128092.	4.1	4.1	0.5640
119	89.00	29	220420.	7.1	7.1	0.9704*
120	88.00	14	25264.	0.8	0.8	0.1112*
121	87.00	12	18541.	0.6	0.6	0.0816*
122	86.00	12	11023.	0.4	0.4	0.0485
123	85.00	10	16425.	0.5	0.5	0.0723
124	83.00	8	8993.	0.3	0.3	0.0396
125	82.00	6	1755.	0.1	0.1	0.0077
126	81.00	8	3049.	0.1	0.1	0.0134
127	80.00	17	42687.	1.4	1.4	0.1879
128	79.00	25	515712.	16.7	16.7	2.2705
129	78.00	25	589216.	19.1	19.1	2.5941
130	77.00	29	1084224.	35.1	35.1	4.7735*
131	76.00	21	99524.	3.2	3.2	0.4382
132	75.00	21	64222.	2.1	2.1	0.2828*
133	74.00	17	38510.	1.2	1.2	0.1695
134	73.00	12	13585.	0.4	0.4	0.0598*
135	72.00	10	4348.	0.1	0.1	0.0191
136	71.00	17	20241.	0.7	0.7	0.0891*
137	70.00	17	78808.	2.6	2.6	0.3470
138	69.00	35	2318848.	75.1	75.1	*10.20*
139	68.00	17	13682.	0.4	0.4	0.0602*
140	67.00	14	4779.	0.2	0.2	0.0210*
141	66.00	21	59606.	1.9	1.9	0.2624*
142	65.00	25	520640.	16.9	16.9	2.2922
143	64.00	21	103836.	3.4	3.4	0.4572*
144	63.00	25	311728.	10.1	10.1	1.3724*
145	62.00	17	85540.	2.8	2.8	0.3766
146	61.00	12	26233.	0.8	0.8	0.1155*
147	60.00	8	1055.	0.0	0.0	0.0046
148	59.00	10	3913.	0.1	0.1	0.0172
149	58.00	12	34688.	1.1	1.1	0.1527*
150	57.00	12	10481.	0.3	0.3	0.0461*
151	56.00	17	60848.	2.0	2.0	0.2679*
152	55.00	8	7107.	0.2	0.2	0.0313
153	54.00	12	16793.	0.5	0.5	0.0739
154	53.00	17	138096.	4.5	4.5	0.6080
155	52.00	21	171012.	5.5	5.5	0.7529
156	51.00	25	420480.	13.6	13.6	1.8512*
157	50.00	25	266848.	8.6	8.6	1.1749*
158	49.00	10	2583.	0.1	0.1	0.0114
159	47.00	8	8635.	0.3	0.3	0.0380
160	46.00	10	1839.	0.1	0.1	0.0081
161	45.00	12	14203.	0.5	0.5	0.0625
162	44.00	17	40995.	1.3	1.3	0.1805*
163	43.00	17	30533.	1.0	1.0	0.1344
164	42.00	14	23436.	0.8	0.8	0.1032*
165	41.00	21	120664.	3.9	3.9	0.5312

PAGE 4

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
166	40.00	21	54814.	1.8	1.8	0.2413*
167	39.00	29	579712.	18.8	18.8	2.5523*
168	38.00	21	77608.	2.5	2.5	0.3417*
169	37.00	14	21085.	0.7	0.7	0.0928*
170	36.00	10	16481.	0.5	0.5	0.0726
171	35.00	6	1285.	0.0	0.0	0.0057


B78.1 [TIC=44301312, 100%=126755841 EI
2-phenylethylamine, di-(trifluoroacetamide)
CH2-CH2-N-(C-CF3)2
O
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
104
91
69
39
128
50
100
150
200
250
300
350
400
450
500
m/z

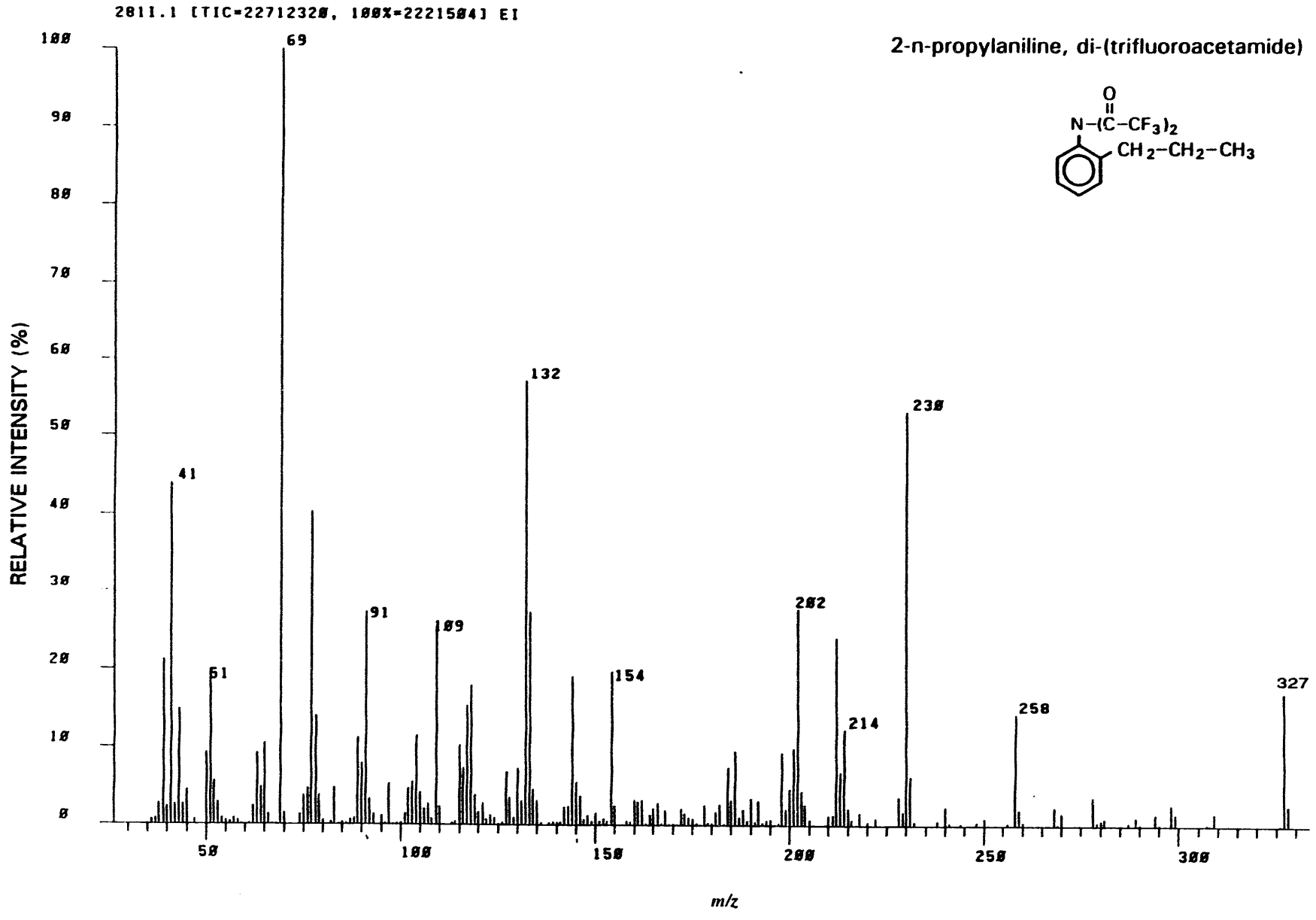
PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	495.00	8	725.	0.0	0.0	0.0016
2	313.00	14	19068.	0.2	0.2	0.0430
3	312.00	6	664.	0.0	0.0	0.0015
4	305.00	6	1310.	0.0	0.0	0.0030
5	282.00	6	1221.	0.0	0.0	0.0028
6	267.00	6	1048.	0.0	0.0	0.0024
7	247.00	10	3511.	0.0	0.0	0.0079
8	246.00	14	37826.	0.3	0.3	0.0854
9	244.00	12	19450.	0.2	0.2	0.0439*
10	226.00	12	40345.	0.3	0.3	0.0911*
11	222.00	8	1151.	0.0	0.0	0.0026
12	219.00	8	7523.	0.1	0.1	0.0170
13	216.00	10	10003.	0.1	0.1	0.0226
14	215.00	10	21822.	0.2	0.2	0.0493
15	214.00	8	4331.	0.0	0.0	0.0098
16	207.00	8	1157.	0.0	0.0	0.0026
17	200.00	8	1225.	0.0	0.0	0.0028
18	199.00	12	43134.	0.3	0.3	0.0974
19	198.00	12	22601.	0.2	0.2	0.0510
20	197.00	8	3151.	0.0	0.0	0.0071
21	194.00	6	1912.	0.0	0.0	0.0043
22	193.00	6	1192.	0.0	0.0	0.0027
23	190.00	8	1034.	0.0	0.0	0.0023
24	187.00	8	3237.	0.0	0.0	0.0073
25	186.00	6	1546.	0.0	0.0	0.0035
26	181.00	10	9405.	0.1	0.1	0.0212*
27	180.00	6	3234.	0.0	0.0	0.0073
28	179.00	6	2600.	0.0	0.0	0.0059
29	178.00	14	30079.	0.2	0.2	0.0679
30	174.00	6	717.	0.0	0.0	0.0016
31	172.00	12	3236.	0.0	0.0	0.0073
32	171.00	10	12704.	0.1	0.1	0.0287
33	169.00	10	12614.	0.1	0.1	0.0285
34	167.00	6	635.	0.0	0.0	0.0014
35	166.00	8	2785.	0.0	0.0	0.0063
36	164.00	8	1552.	0.0	0.0	0.0035
37	159.00	6	914.	0.0	0.0	0.0021
38	158.00	10	1628.	0.0	0.0	0.0037
39	156.00	6	1202.	0.0	0.0	0.0027
40	155.00	12	2265.	0.0	0.0	0.0051
41	153.00	12	17628.	0.1	0.1	0.0398
42	151.00	10	6771.	0.1	0.1	0.0153
43	150.00	8	3397.	0.0	0.0	0.0077
44	149.00	8	5695.	0.0	0.0	0.0129
45	148.00	10	8740.	0.1	0.1	0.0197
46	147.00	12	20800.	0.2	0.2	0.0470
47	146.00	12	19193.	0.2	0.2	0.0433
48	145.00	10	10704.	0.1	0.1	0.0242
49	141.00	6	1478.	0.0	0.0	0.0033
50	140.00	10	9166.	0.1	0.1	0.0207
51	139.00	6	858.	0.0	0.0	0.0019
52	134.00	8	1472.	0.0	0.0	0.0033
53	133.00	12	19431.	0.2	0.2	0.0439
54	131.00	12	24267.	0.2	0.2	0.0548
55	130.00	17	38549.	0.3	0.3	0.0870*

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	129.00	10	19912.	0.2	0.2	0.0449
57	128.00	21	167056.	1.3	1.3	0.3771
58	127.00	17	101156.	0.8	0.8	0.2283
59	126.00	12	15980.	0.1	0.1	0.0361
60	125.00	6	1204.	0.0	0.0	0.0027
61	122.00	12	1490.	0.0	0.0	0.0034*
62	121.00	12	15354.	0.1	0.1	0.0347*
63	120.00	12	12107.	0.1	0.1	0.0273*
64	119.00	17	47931.	0.4	0.4	0.1082
65	118.00	17	50212.	0.4	0.4	0.1133
66	117.00	17	62877.	0.5	0.5	0.1419*
67	116.00	14	32577.	0.3	0.3	0.0735
68	115.00	8	4001.	0.0	0.0	0.0090
69	114.00	10	1536.	0.0	0.0	0.0035
70	113.00	8	1243.	0.0	0.0	0.0028
71	112.00	8	2994.	0.0	0.0	0.0068
72	110.00	10	3442.	0.0	0.0	0.0078
73	109.00	14	29739.	0.2	0.2	0.0671
74	108.00	6	1236.	0.0	0.0	0.0028
75	107.00	12	7204.	0.1	0.1	0.0163*
76	106.00	25	168108.	1.3	1.3	0.3795*
77	105.00	51	2402624.	19.0	19.0	5.4234*
78	104.00	87	12675584.	100.0	100.0	*28.61*
79	103.00	51	721136.	5.7	5.7	1.6278*
80	102.00	43	182848.	1.4	1.4	0.4127*
81	101.00	21	43844.	0.3	0.3	0.0990*
82	100.00	12	12405.	0.1	0.1	0.0280*
83	99.00	14	33759.	0.3	0.3	0.0762*
84	98.00	8	10132.	0.1	0.1	0.0229
85	97.00	17	182432.	1.4	1.4	0.4118
86	96.00	17	42326.	0.3	0.3	0.0955*
87	95.00	6	4475.	0.0	0.0	0.0101
88	94.00	8	728.	0.0	0.0	0.0016
89	93.00	17	38975.	0.3	0.3	0.0880*
90	92.00	35	932976.	7.4	7.4	2.1060*
91	91.00	103	11874304.	93.7	93.7	*26.80*
92	90.00	35	226204.	1.8	1.8	0.5106*
93	89.00	25	396224.	3.1	3.1	0.8944*
94	88.00	21	24979.	0.2	0.2	0.0564*
95	87.00	17	25458.	0.2	0.2	0.0575*
96	86.00	14	14880.	0.1	0.1	0.0336*
97	85.00	14	25039.	0.2	0.2	0.0565
98	84.00	6	1508.	0.0	0.0	0.0034
99	82.00	6	714.	0.0	0.0	0.0016
100	81.00	8	3912.	0.0	0.0	0.0088
101	80.00	12	36330.	0.3	0.3	0.0820
102	79.00	29	451184.	3.6	3.6	1.0184*
103	78.00	35	793504.	6.3	6.3	1.7912*
104	77.00	35	991120.	7.8	7.8	2.2372*
105	76.00	21	87252.	0.7	0.7	0.1970*
106	75.00	21	86104.	0.7	0.7	0.1944*
107	74.00	17	71876.	0.6	0.6	0.1622
108	73.00	12	12496.	0.1	0.1	0.0282
109	71.00	8	1856.	0.0	0.0	0.0042
110	70.00	17	85056.	0.7	0.7	0.1920

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	69.00	43	3435712.	27.1	27.1	7.7553*
112	68.00	10	6761.	0.1	0.1	0.0153*
113	67.00	8	2486.	0.0	0.0	0.0056
114	66.00	21	124132.	1.0	1.0	0.2802*
115	65.00	43	2341888.	18.5	18.5	5.2863*
116	64.00	25	140792.	1.1	1.1	0.3178*
117	63.00	29	524352.	4.1	4.1	1.1836*
118	62.00	21	138660.	1.1	1.1	0.3130*
119	61.00	17	29003.	0.2	0.2	0.0656*
120	60.00	8	3585.	0.0	0.0	0.0081
121	59.00	25	24982.	0.2	0.2	0.0564*
122	58.00	21	28049.	0.2	0.2	0.0633*
123	57.00	21	23857.	0.2	0.2	0.0539*
124	56.00	29	276000.	2.2	2.2	0.6232*
125	55.00	10	4488.	0.0	0.0	0.0101
126	54.00	10	4456.	0.0	0.0	0.0101
127	53.00	17	77804.	0.6	0.6	0.1756*
128	52.00	25	219940.	1.7	1.7	0.4965*
129	51.00	35	907920.	7.2	7.2	2.0494*
130	50.00	29	450464.	3.6	3.6	1.0168*
131	49.00	10	10165.	0.1	0.1	0.0229
132	48.00	8	3872.	0.0	0.0	0.0087
133	47.00	21	38428.	0.3	0.3	0.0867*
134	46.00	29	36453.	0.3	0.3	0.0823*
135	45.00	14	16492.	0.1	0.1	0.0372
136	44.00	21	71024.	0.6	0.6	0.1603*
137	43.00	10	11941.	0.1	0.1	0.0270
138	42.00	21	40667.	0.3	0.3	0.0918*
139	41.00	21	267216.	2.1	2.1	0.6032
140	40.00	21	93572.	0.7	0.7	0.2112
141	39.00	29	992064.	7.8	7.8	2.2394*
142	38.00	29	113124.	0.9	0.9	0.2554*
143	37.00	12	34942.	0.3	0.3	0.0789*
144	36.00	14	33901.	0.3	0.3	0.0765
145	35.00	10	6941.	0.1	0.1	0.0157


2811.1 [TIC=2271232Ø, 1ØØ%=2221ØØ4] EI
2-n-propylaniline, di-(trifluoroacetamide)
RELATIVE INTENSITY (%)
m/z
69
132
23Ø
41
91
1Ø9
2Ø2
51
154
327
258
214

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	329.00	8	3421.	0.2	0.2	0.0151
2	328.00	17	57384.	2.6	2.6	0.2527*
3	327.00	25	383584.	17.3	17.3	1.6886*
4	326.00	12	3756.	0.2	0.2	0.0165
5	312.00	8	979.	0.0	0.0	0.0043
6	309.00	14	36927.	1.7	1.7	0.1626
7	308.00	10	2896.	0.1	0.1	0.0128
8	307.00	8	5835.	0.3	0.3	0.0257
9	300.00	8	1138.	0.1	0.1	0.0050
10	299.00	12	34194.	1.5	1.5	0.1506
11	298.00	14	60988.	2.7	2.7	0.2685
12	295.00	10	4164.	0.2	0.2	0.0183
13	294.00	14	33664.	1.5	1.5	0.1482
14	292.00	6	1653.	0.1	0.1	0.0073
15	291.00	8	1176.	0.1	0.1	0.0052
16	290.00	8	3771.	0.2	0.2	0.0166
17	289.00	10	25102.	1.1	1.1	0.1105
18	287.00	10	9565.	0.4	0.4	0.0421
19	285.00	8	2129.	0.1	0.1	0.0094
20	282.00	6	712.	0.0	0.0	0.0031
21	281.00	12	21173.	1.0	1.0	0.0932
22	280.00	12	16429.	0.7	0.7	0.0723*
23	279.00	10	9970.	0.4	0.4	0.0439
24	278.00	17	81344.	3.7	3.7	0.3581
25	277.00	6	1383.	0.1	0.1	0.0061
26	270.00	14	36180.	1.6	1.6	0.1593
27	269.00	8	4083.	0.2	0.2	0.0180
28	268.00	14	52641.	2.4	2.4	0.2318
29	266.00	8	2265.	0.1	0.1	0.0100
30	264.00	8	1978.	0.1	0.1	0.0087
31	262.00	6	406.	0.0	0.0	0.0018
32	261.00	8	1236.	0.1	0.1	0.0054
33	260.00	10	9682.	0.4	0.4	0.0426
34	259.00	17	45823.	2.1	2.1	0.2018
35	258.00	21	317088.	14.3	14.3	1.3961*
36	257.00	8	1819.	0.1	0.1	0.0080
37	256.00	10	8650.	0.4	0.4	0.0381
38	251.00	8	2370.	0.1	0.1	0.0104
39	250.00	10	21669.	1.0	1.0	0.0954
40	249.00	10	2812.	0.1	0.1	0.0124
41	248.00	10	11141.	0.5	0.5	0.0491
42	246.00	8	1853.	0.1	0.1	0.0082
43	244.00	8	6153.	0.3	0.3	0.0271
44	242.00	10	2210.	0.1	0.1	0.0097
45	241.00	10	7595.	0.3	0.3	0.0334
46	240.00	17	54549.	2.5	2.5	0.2402
47	238.00	10	14855.	0.7	0.7	0.0654
48	234.00	8	1114.	0.1	0.1	0.0049
49	232.00	10	12671.	0.6	0.6	0.0558
50	231.00	21	139080.	6.3	6.3	0.6124*
51	230.00	35	1186112.	53.4	53.4	5.2223*
52	229.00	17	39169.	1.8	1.8	0.1725*
53	228.00	17	81312.	3.7	3.7	0.3580*
54	227.00	8	2952.	0.1	0.1	0.0130
55	226.00	10	2010.	0.1	0.1	0.0088

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	223.00	6	2094.	0.1	0.1	0.0092
57	222.00	12	23492.	1.1	1.1	0.1034
58	220.00	8	11566.	0.5	0.5	0.0509
59	219.00	8	2865.	0.1	0.1	0.0126
60	218.00	14	35653.	1.6	1.6	0.1570
61	217.00	8	2028.	0.1	0.1	0.0089
62	216.00	12	18175.	0.8	0.8	0.0800
63	215.00	17	49608.	2.2	2.2	0.2184
64	214.00	21	273392.	12.3	12.3	1.2037
65	213.00	25	152284.	6.9	6.9	0.6705*
66	212.00	29	536832.	24.2	24.2	2.3636*
67	211.00	21	30891.	1.4	1.4	0.1360*
68	210.00	14	28600.	1.3	1.3	0.1259*
69	209.00	12	4181.	0.2	0.2	0.0184*
70	206.00	6	1880.	0.1	0.1	0.0083
71	205.00	17	17507.	0.8	0.8	0.0771*
72	204.00	21	59462.	2.7	2.7	0.2618*
73	203.00	21	98404.	4.4	4.4	0.4333*
74	202.00	35	617376.	27.8	27.8	2.7182*
75	201.00	21	219484.	9.9	9.9	0.9664*
76	200.00	17	104616.	4.7	4.7	0.4606
77	199.00	17	45921.	2.1	2.1	0.2022
78	198.00	21	207528.	9.3	9.3	0.9137*
79	197.00	14	8800.	0.4	0.4	0.0387*
80	196.00	10	4460.	0.2	0.2	0.0196
81	195.00	12	17409.	0.8	0.8	0.0767
82	194.00	12	16046.	0.7	0.7	0.0706
83	193.00	12	7887.	0.4	0.4	0.0347
84	192.00	17	71164.	3.2	3.2	0.3133
85	191.00	10	12258.	0.6	0.6	0.0540
86	190.00	17	77124.	3.5	3.5	0.3396*
87	189.00	10	14965.	0.7	0.7	0.0659
88	188.00	17	45703.	2.1	2.1	0.2012
89	187.00	12	25081.	1.1	1.1	0.1104
90	186.00	17	213072.	9.6	9.6	0.9381
91	185.00	17	72112.	3.2	3.2	0.3175
92	184.00	17	166004.	7.5	7.5	0.7309*
93	183.00	10	7280.	0.3	0.3	0.0321
94	182.00	14	59704.	2.7	2.7	0.2629
95	181.00	17	39442.	1.8	1.8	0.1737*
96	180.00	10	7576.	0.3	0.3	0.0334*
97	179.00	10	8465.	0.4	0.4	0.0373
98	178.00	14	59134.	2.7	2.7	0.2604
99	177.00	8	3331.	0.1	0.1	0.0147
100	176.00	10	6718.	0.3	0.3	0.0296*
101	175.00	12	18315.	0.8	0.8	0.0806
102	174.00	14	22880.	1.0	1.0	0.1007*
103	173.00	12	33693.	1.5	1.5	0.1483
104	172.00	14	47639.	2.1	2.1	0.2097
105	171.00	8	4645.	0.2	0.2	0.0205
106	170.00	12	5186.	0.2	0.2	0.0228
107	169.00	8	6410.	0.3	0.3	0.0282
108	168.00	14	43080.	1.9	1.9	0.1897
109	167.00	8	7436.	0.3	0.3	0.0327
110	166.00	14	64421.	2.9	2.9	0.2836

PAGE 3

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	165.00	14	49476.	2.2	2.2	0.2170
112	164.00	14	30750.	1.4	1.4	0.1354*
113	163.00	8	6709.	0.3	0.3	0.0295
114	162.00	17	73224.	3.3	3.3	0.3224*
115	161.00	17	67408.	3.0	3.0	0.2968
116	160.00	17	73536.	3.3	3.3	0.3238*
117	159.00	10	10300.	0.5	0.5	0.0453
118	158.00	12	13250.	0.6	0.6	0.0583*
119	157.00	8	3432.	0.2	0.2	0.0151
120	156.00	8	2816.	0.1	0.1	0.0124
121	155.00	17	57190.	2.6	2.6	0.2518*
122	154.00	25	437536.	19.7	19.7	1.9264*
123	153.00	12	14694.	0.7	0.7	0.0647
124	152.00	10	18773.	0.8	0.8	0.0827
125	151.00	8	11437.	0.5	0.5	0.0504*
126	150.00	17	35210.	1.6	1.6	0.1551*
127	149.00	10	11332.	0.5	0.5	0.0499
128	148.00	12	28639.	1.3	1.3	0.1261
129	147.00	12	17960.	0.8	0.8	0.0787
130	146.00	17	84396.	3.8	3.8	0.3716
131	145.00	25	124276.	5.6	5.6	0.5472*
132	144.00	25	425616.	19.2	19.2	1.8739*
133	143.00	17	55624.	2.5	2.5	0.2449*
134	142.00	17	52347.	2.4	2.4	0.2305*
135	141.00	8	10600.	0.5	0.5	0.0467
136	140.00	12	10588.	0.5	0.5	0.0466*
137	139.00	8	10684.	0.5	0.5	0.0470
138	138.00	10	8955.	0.4	0.4	0.0394
139	137.00	6	1384.	0.1	0.1	0.0061
140	136.00	12	8818.	0.4	0.4	0.0388
141	135.00	17	71056.	3.2	3.2	0.3129
142	134.00	21	101744.	4.6	4.6	0.4480
143	133.00	25	600024.	27.4	27.4	2.6815*
144	132.00	43	1270912.	57.2	57.2	5.5957*
145	131.00	21	70720.	3.2	3.2	0.3114*
146	130.00	21	160784.	7.2	7.2	0.7079*
147	129.00	10	22659.	1.0	1.0	0.0998
148	128.00	17	80392.	3.6	3.6	0.3540
149	127.00	21	150856.	6.8	6.8	0.6642
150	126.00	10	8751.	0.4	0.4	0.0385*
151	125.00	10	5453.	0.2	0.2	0.0240
152	124.00	12	21334.	1.0	1.0	0.0939*
153	123.00	14	27721.	1.2	1.2	0.1221*
154	122.00	10	18241.	0.8	0.8	0.0803
155	121.00	17	63389.	2.9	2.9	0.2791
156	120.00	14	38015.	1.7	1.7	0.1674
157	119.00	17	85400.	3.8	3.8	0.3760*
158	118.00	25	399160.	18.0	18.0	1.7575*
159	117.00	25	341760.	15.4	15.4	1.5047*
160	116.00	21	164076.	7.4	7.4	0.7224*
161	115.00	21	227500.	10.2	10.2	1.0017
162	114.00	14	12394.	0.6	0.6	0.0546
163	113.00	10	8211.	0.4	0.4	0.0362
164	111.00	8	2916.	0.1	0.1	0.0128
165	110.00	17	52202.	2.3	2.3	0.2298

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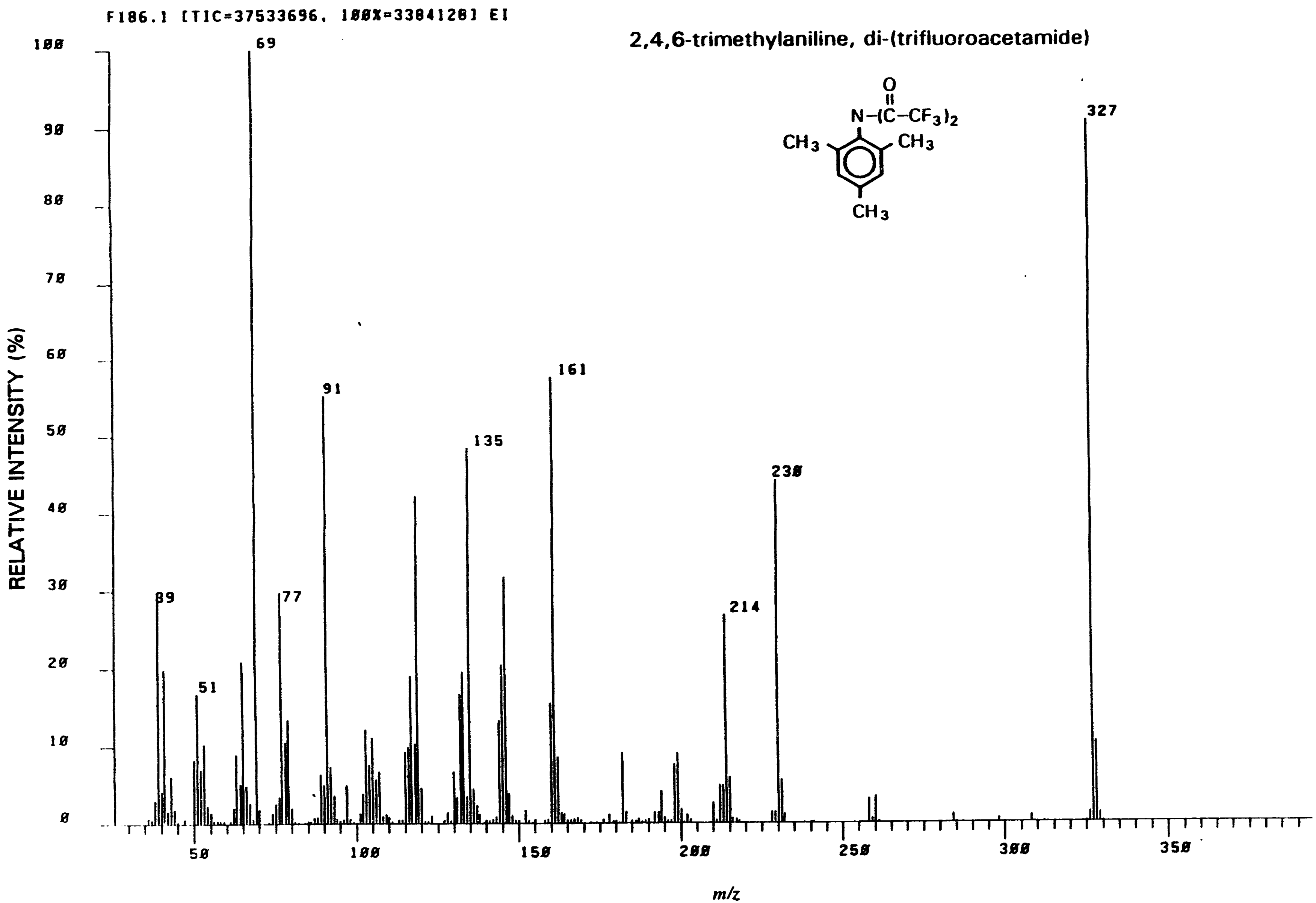
PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
166	109.00	25	565968.	25.5	25.5	2.4919*
167	108.00	12	19196.	0.9	0.9	0.0845*
168	107.00	17	62160.	2.8	2.8	0.2737
169	106.00	21	46753.	2.1	2.1	0.2058*
170	105.00	21	93612.	4.2	4.2	0.4122*
171	104.00	25	255360.	11.5	11.5	1.1243*
172	103.00	17	122700.	5.5	5.5	0.5402
173	102.00	17	104044.	4.7	4.7	0.4581*
174	101.00	14	34443.	1.6	1.6	0.1516
175	100.00	6	6625.	0.3	0.3	0.0292
176	99.00	10	5702.	0.3	0.3	0.0251
177	98.00	8	5229.	0.2	0.2	0.0230
178	97.00	17	116812.	5.3	5.3	0.5143
179	96.00	8	9117.	0.4	0.4	0.0401
180	95.00	14	26199.	1.2	1.2	0.1154
181	94.00	8	3556.	0.2	0.2	0.0157
182	93.00	14	32366.	1.5	1.5	0.1425
183	92.00	17	75172.	3.4	3.4	0.3310
184	91.00	25	600720.	27.4	27.4	2.6001*
185	90.00	25	175612.	7.9	7.9	0.7732*
186	89.00	21	249172.	11.2	11.2	1.0971*
187	88.00	12	20648.	0.9	0.9	0.0909
188	87.00	8	15587.	0.7	0.7	0.0686
189	86.00	10	6062.	0.3	0.3	0.0267
190	85.00	8	8538.	0.4	0.4	0.0376
191	84.00	8	5324.	0.2	0.2	0.0234
192	83.00	17	106140.	4.8	4.8	0.4673*
193	82.00	14	11173.	0.5	0.5	0.0492*
194	81.00	8	3525.	0.2	0.2	0.0155
195	80.00	10	14522.	0.7	0.7	0.0639
196	79.00	21	86616.	3.9	3.9	0.3814*
197	78.00	29	310768.	14.0	14.0	1.3683*
198	77.00	29	896768.	40.4	40.4	3.9484*
199	76.00	21	105072.	4.7	4.7	0.4626
200	75.00	21	83416.	3.8	3.8	0.3673
201	74.00	14	30977.	1.4	1.4	0.1364
202	73.00	8	1327.	0.1	0.1	0.0058
203	72.00	6	1188.	0.1	0.1	0.0052
204	70.00	14	33952.	1.5	1.5	0.1495
205	69.00	35	2221504.	100.0	100.0	9.7811*
206	68.00	8	3838.	0.2	0.2	0.0169
207	67.00	8	5174.	0.2	0.2	0.0228
208	66.00	14	33253.	1.5	1.5	0.1464
209	65.00	25	232804.	10.5	10.5	1.0250*
210	64.00	21	108696.	4.9	4.9	0.4786
211	63.00	21	204968.	9.2	9.2	0.9025*
212	62.00	17	53900.	2.4	2.4	0.2373
213	61.00	10	6794.	0.3	0.3	0.0299*
214	59.00	6	3900.	0.2	0.2	0.0172
215	58.00	14	15595.	0.7	0.7	0.0687*
216	57.00	14	21542.	1.0	1.0	0.0948*
217	56.00	14	9954.	0.4	0.4	0.0438*
218	55.00	10	14491.	0.7	0.7	0.0638
219	54.00	12	20564.	0.9	0.9	0.0905*
220	53.00	21	66628.	3.0	3.0	0.2934

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
221	52.00	21	124776.	5.6	5.6	0.5494*
222	51.00	25	442544.	19.9	19.9	1.9485*
223	50.00	25	206744.	9.3	9.3	0.9103*
224	49.00	6	1012.	0.0	0.0	0.0045
225	47.00	10	15492.	0.7	0.7	0.0682*
226	46.00	10	2983.	0.1	0.1	0.0131
227	45.00	21	99856.	4.5	4.5	0.4397
228	44.00	25	60797.	2.7	2.7	0.2677*
229	43.00	29	329824.	14.8	14.8	1.4522*
230	42.00	17	59337.	2.7	2.7	0.2613
231	41.00	29	975520.	43.9	43.9	4.2951*
232	40.00	17	53000.	2.4	2.4	0.2337
233	39.00	25	468000.	21.1	21.1	2.0644
234	38.00	21	61439.	2.8	2.8	0.2705*
235	37.00	12	19730.	0.9	0.9	0.0869*
236	36.00	12	16800.	0.8	0.8	0.0740*
237	35.00	14	2905.	0.1	0.1	0.0128



F186.1 [TIC=37533696, 100%=3384128] EI
2,4,6-trimethylaniline, di-(trifluoroacetamide)
N-(C-CF3)2
O
CH3
CH3
CH3
RELATIVE INTENSITY (%)
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69
77
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135
161
214
230
327

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	387.00	6	549.	0.0	0.0	0.0015
2	341.00	8	1028.	0.0	0.0	0.0027
3	330.00	8	6340.	0.2	0.2	0.0169
4	329.00	17	43700.	1.3	1.3	0.1164
5	328.00	21	355800.	10.5	10.5	0.9480*
6	327.00	43	3071744.	90.8	90.8	8.1840*
7	326.00	21	46510.	1.4	1.4	0.1239*
8	325.00	12	6586.	0.2	0.2	0.0175*
9	324.00	8	3583.	0.1	0.1	0.0095
10	323.00	6	1587.	0.0	0.0	0.0042
11	313.00	6	3128.	0.1	0.1	0.0083
12	312.00	8	6750.	0.2	0.2	0.0180
13	309.00	8	2840.	0.1	0.1	0.0076
14	308.00	12	31653.	0.9	0.9	0.0843
15	306.00	8	2945.	0.1	0.1	0.0078
16	298.00	10	18588.	0.5	0.5	0.0495
17	285.00	6	3048.	0.1	0.1	0.0081
18	284.00	17	38758.	1.1	1.1	0.1033
19	261.00	12	10955.	0.3	0.3	0.0292
20	260.00	17	115660.	3.4	3.4	0.3081
21	259.00	12	21316.	0.6	0.6	0.0568
22	258.00	14	109260.	3.2	3.2	0.2911
23	257.00	8	5179.	0.2	0.2	0.0138
24	256.00	8	3736.	0.1	0.1	0.0100
25	249.00	8	1306.	0.0	0.0	0.0035
26	241.00	8	8027.	0.2	0.2	0.0214
27	240.00	17	4381.	0.1	0.1	0.0117
28	238.00	8	4630.	0.1	0.1	0.0123
29	233.00	10	5500.	0.2	0.2	0.0147
30	232.00	12	42853.	1.3	1.3	0.1142
31	231.00	21	190924.	5.6	5.6	0.5087*
32	230.00	43	1495232.	44.2	44.2	3.9837*
33	229.00	17	49085.	1.5	1.5	0.1308*
34	228.00	14	48608.	1.4	1.4	0.1295
35	222.00	10	1650.	0.0	0.0	0.0044
36	219.00	8	3520.	0.1	0.1	0.0094
37	218.00	8	11590.	0.3	0.3	0.0309
38	217.00	12	19192.	0.6	0.6	0.0511
39	216.00	14	25264.	0.7	0.7	0.0673*
40	215.00	25	202372.	6.0	6.0	0.5392*
41	214.00	35	907088.	26.8	26.8	2.4167*
42	213.00	29	167024.	4.9	4.9	0.4450*
43	212.00	25	170368.	5.0	5.0	0.4539*
44	211.00	17	17059.	0.5	0.5	0.0454*
45	210.00	17	92272.	2.7	2.7	0.2458
46	209.00	12	2686.	0.1	0.1	0.0072
47	208.00	6	668.	0.0	0.0	0.0018
48	204.00	17	2888.	0.1	0.1	0.0077*
49	203.00	12	18954.	0.6	0.6	0.0505*
50	202.00	17	38802.	1.1	1.1	0.1034*
51	201.00	10	9446.	0.3	0.3	0.0252
52	200.00	14	63006.	1.9	1.9	0.1679
53	199.00	21	307616.	9.1	9.1	0.8196
54	198.00	25	258384.	7.6	7.6	0.6884*
55	197.00	10	16371.	0.5	0.5	0.0436*

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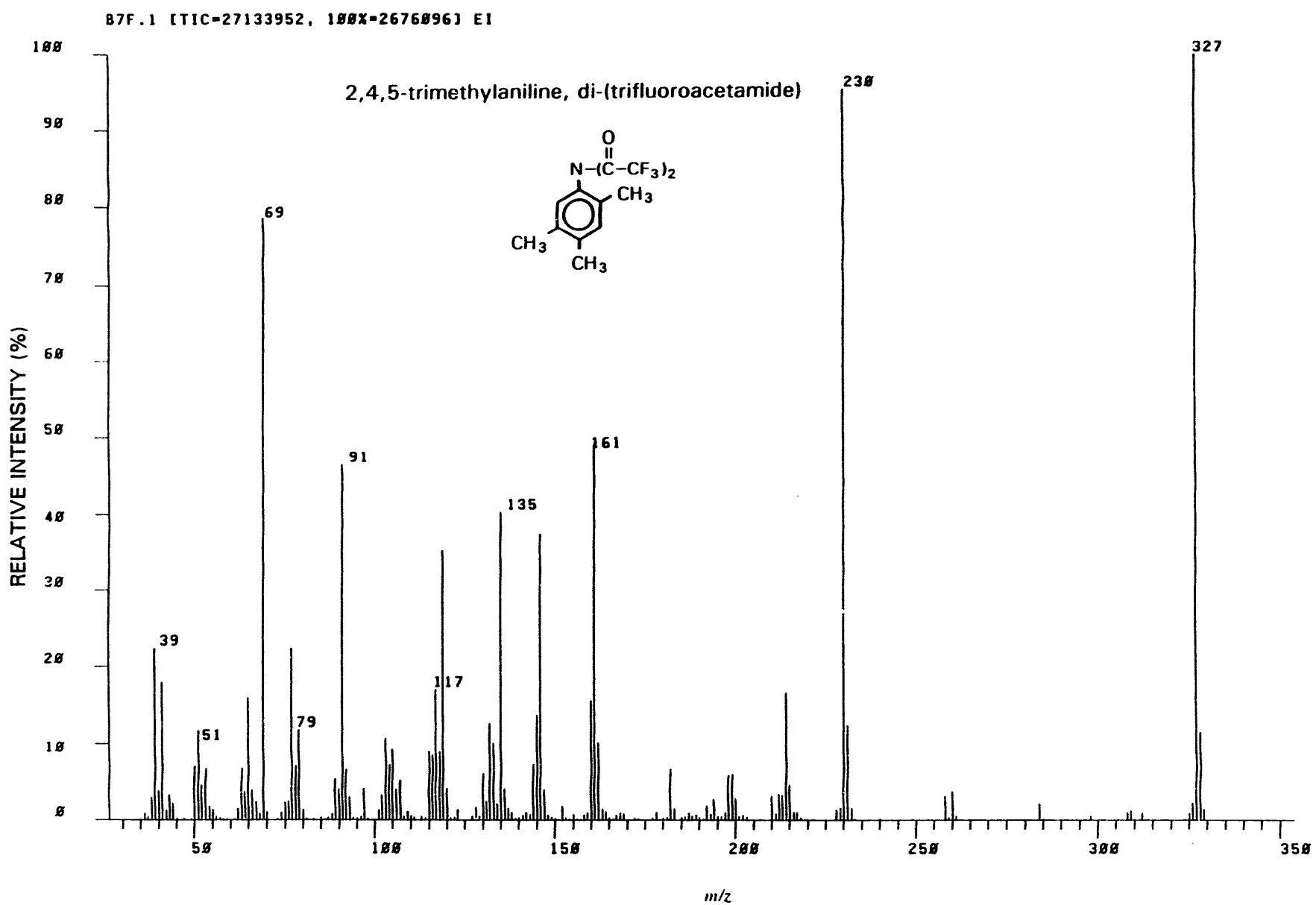
PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	196.00	12	16493.	0.5	0.5	0.0439*
57	195.00	14	27645.	0.8	0.8	0.0737*
58	194.00	21	141232.	4.2	4.2	0.3763
59	193.00	17	50702.	1.5	1.5	0.1351*
60	192.00	17	48430.	1.4	1.4	0.1290
61	191.00	8	2728.	0.1	0.1	0.0073
62	190.00	12	17263.	0.5	0.5	0.0460*
63	189.00	12	14379.	0.4	0.4	0.0383*
64	188.00	10	8954.	0.3	0.3	0.0239
65	187.00	12	22266.	0.7	0.7	0.0593
66	186.00	12	12758.	0.4	0.4	0.0340
67	185.00	12	12162.	0.4	0.4	0.0324*
68	184.00	10	1299.	0.0	0.0	0.0035
69	183.00	17	50882.	1.5	1.5	0.1356*
70	182.00	21	311984.	9.2	9.2	0.8312
71	181.00	10	6283.	0.2	0.2	0.0167
72	180.00	10	12224.	0.4	0.4	0.0326
73	179.00	12	12588.	0.4	0.4	0.0335
74	178.00	14	41822.	1.2	1.2	0.1114
75	177.00	8	1957.	0.1	0.1	0.0052
76	176.00	17	17963.	0.5	0.5	0.0479*
77	175.00	10	1257.	0.0	0.0	0.0033
78	174.00	10	8165.	0.2	0.2	0.0218*
79	173.00	10	3106.	0.1	0.1	0.0083
80	172.00	10	7657.	0.2	0.2	0.0204
81	171.00	6	2183.	0.1	0.1	0.0058
82	170.00	6	2122.	0.1	0.1	0.0057
83	169.00	12	14773.	0.4	0.4	0.0394*
84	168.00	12	25862.	0.8	0.8	0.0689
85	167.00	10	21035.	0.6	0.6	0.0560
86	166.00	12	18196.	0.5	0.5	0.0485
87	165.00	14	15526.	0.5	0.5	0.0414*
88	164.00	17	42558.	1.3	1.3	0.1134*
89	163.00	21	49978.	1.5	1.5	0.1332*
90	162.00	35	292848.	8.7	8.7	0.7802*
91	161.00	51	1949504.	57.6	57.6	5.1940*
92	160.00	35	526544.	15.6	15.6	1.4029*
93	159.00	12	21430.	0.6	0.6	0.0571*
94	158.00	14	15970.	0.5	0.5	0.0425*
95	157.00	8	1384.	0.0	0.0	0.0037
96	156.00	6	1942.	0.1	0.1	0.0052
97	155.00	14	18154.	0.5	0.5	0.0484
98	154.00	10	7676.	0.2	0.2	0.0205
99	153.00	12	17072.	0.5	0.5	0.0455
100	152.00	17	58936.	1.7	1.7	0.1570*
101	151.00	8	5530.	0.2	0.2	0.0147
102	150.00	10	16816.	0.5	0.5	0.0448
103	149.00	10	16302.	0.5	0.5	0.0434*
104	148.00	17	36720.	1.1	1.1	0.0978
105	147.00	21	132412.	3.9	3.9	0.3528*
106	146.00	35	1071552.	31.7	31.7	2.8549*
107	145.00	35	693328.	20.5	20.5	1.8472*
108	144.00	29	452448.	13.4	13.4	1.2054*
109	143.00	17	30912.	0.9	0.9	0.0824*
110	142.00	14	22439.	0.7	0.7	0.0598

PAGE 3

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	141.00	14	15653.	0.5	0.5	0.0417*
112	140.00	12	14911.	0.4	0.4	0.0397*
113	139.00	12	5783.	0.2	0.2	0.0154*
114	138.00	17	43138.	1.3	1.3	0.1149*
115	137.00	21	79060.	2.3	2.3	0.2106
116	136.00	21	152336.	4.5	4.5	0.4059*
117	135.00	43	1637568.	48.4	48.4	4.3629*
118	134.00	21	120952.	3.6	3.6	0.3222*
119	133.00	35	662896.	19.6	19.6	1.7661*
120	132.00	43	566928.	16.8	16.8	1.5105*
121	131.00	35	116164.	3.4	3.4	0.3095*
122	130.00	25	229000.	6.8	6.8	0.6101*
123	129.00	12	16174.	0.5	0.5	0.0431*
124	128.00	17	50135.	1.5	1.5	0.1336
125	127.00	10	16246.	0.5	0.5	0.0433*
126	126.00	8	1393.	0.0	0.0	0.0037
127	124.00	6	675.	0.0	0.0	0.0018
128	123.00	14	33806.	1.0	1.0	0.0901
129	122.00	12	14044.	0.4	0.4	0.0374*
130	121.00	10	12142.	0.4	0.4	0.0323
131	120.00	25	158040.	4.7	4.7	0.4211*
132	119.00	35	1428928.	42.2	42.2	3.8071*
133	118.00	29	351984.	10.4	10.4	0.9378*
134	117.00	35	644880.	19.1	19.1	1.7181*
135	116.00	35	334480.	9.9	9.9	0.8911*
136	115.00	35	317568.	9.4	9.4	0.8461*
137	114.00	17	17985.	0.5	0.5	0.0479*
138	113.00	14	18895.	0.6	0.6	0.0503*
139	112.00	8	2262.	0.1	0.1	0.0060
140	111.00	21	14126.	0.4	0.4	0.0376*
141	110.00	21	28646.	0.8	0.8	0.0763*
142	109.00	21	41426.	1.2	1.2	0.1104*
143	108.00	17	35737.	1.1	1.1	0.0952
144	107.00	21	228480.	6.8	6.8	0.6087
145	106.00	25	196660.	5.8	5.8	0.5240
146	105.00	29	378288.	11.2	11.2	1.0079*
147	104.00	25	258248.	7.6	7.6	0.6880
148	103.00	29	413424.	12.2	12.2	1.1015*
149	102.00	29	132688.	3.9	3.9	0.3535*
150	101.00	21	46338.	1.4	1.4	0.1235*
151	100.00	8	2923.	0.1	0.1	0.0078
152	99.00	10	10043.	0.3	0.3	0.0268*
153	98.00	17	23006.	0.7	0.7	0.0613*
154	97.00	25	170628.	5.0	5.0	0.4546*
155	96.00	12	20400.	0.6	0.6	0.0544*
156	95.00	12	16555.	0.5	0.5	0.0441*
157	94.00	14	24319.	0.7	0.7	0.0648*
158	93.00	21	124636.	3.7	3.7	0.3321
159	92.00	25	251164.	7.4	7.4	0.6692*
160	91.00	35	1868032.	55.2	55.2	4.9769*
161	90.00	29	173948.	5.1	5.1	0.4634*
162	89.00	25	218200.	6.4	6.4	0.5813
163	88.00	17	29174.	0.9	0.9	0.0777*
164	87.00	14	26692.	0.8	0.8	0.0711*
165	86.00	12	12878.	0.4	0.4	0.0343*

PAGE 4

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
166	85.00	12	13696.	0.4	0.4	0.0365*
167	84.00	12	7142.	0.2	0.2	0.0190*
168	83.00	8	4803.	0.1	0.1	0.0128
169	82.00	8	7781.	0.2	0.2	0.0207
170	81.00	10	12288.	0.4	0.4	0.0327*
171	80.00	21	68464.	2.0	2.0	0.1824*
172	79.00	29	458192.	13.5	13.5	1.2207*
173	78.00	29	357632.	10.6	10.6	0.9528*
174	77.00	29	1010112.	29.8	29.8	2.6912*
175	76.00	21	120276.	3.6	3.6	0.3204*
176	75.00	25	90056.	2.7	2.7	0.2399*
177	74.00	21	45509.	1.3	1.3	0.1212*
178	73.00	12	10119.	0.3	0.3	0.0270
179	70.00	25	63303.	1.9	1.9	0.1687*
180	69.00	51	3384128.	100.0	100.0	9.0162*
181	68.00	14	24515.	0.7	0.7	0.0653
182	67.00	21	92228.	2.7	2.7	0.2457*
183	66.00	21	168368.	5.0	5.0	0.4486
184	65.00	35	707520.	20.9	20.9	1.8850*
185	64.00	29	176604.	5.2	5.2	0.4705*
186	63.00	25	306032.	9.0	9.0	0.8154
187	62.00	17	71784.	2.1	2.1	0.1913
188	61.00	14	11790.	0.3	0.3	0.0314
189	60.00	6	1052.	0.0	0.0	0.0028
190	59.00	12	12875.	0.4	0.4	0.0343*
191	58.00	14	15606.	0.5	0.5	0.0416*
192	57.00	12	16609.	0.5	0.5	0.0443*
193	56.00	8	16806.	0.5	0.5	0.0448
194	55.00	17	48901.	1.4	1.4	0.1303
195	54.00	21	80544.	2.4	2.4	0.2146*
196	53.00	25	349856.	10.3	10.3	0.9321
197	52.00	21	239728.	7.1	7.1	0.6387
198	51.00	29	569520.	16.8	16.8	1.5174*
199	50.00	25	282928.	8.4	8.4	0.7538
200	47.00	12	21108.	0.6	0.6	0.0562
201	46.00	8	1965.	0.1	0.1	0.0052
202	45.00	14	10660.	0.3	0.3	0.0284*
203	44.00	21	64060.	1.9	1.9	0.1707*
204	43.00	25	209672.	6.2	6.2	0.5586
205	42.00	21	58311.	1.7	1.7	0.1554
206	41.00	25	674112.	19.9	19.9	1.7960
207	40.00	25	143836.	4.3	4.3	0.3832*
208	39.00	29	1006992.	29.8	29.8	2.6829
209	38.00	25	102668.	3.0	3.0	0.2735
210	37.00	14	20414.	0.6	0.6	0.0544
211	36.00	14	27351.	0.8	0.8	0.0729*
212	35.00	8	2573.	0.1	0.1	0.0069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2,4,5-trimethylaniline, di-(trifluoroacetamide)
RELATIVE INTENSITY (%)
m/z
327
230
69
91
161
135
117
39
51
79

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	346.00	8	470.	0.0	0.0	0.0017
2	330.00	6	461.	0.0	0.0	0.0017
3	329.00	17	42000.	1.6	1.6	0.1548*
4	328.00	25	308336.	11.5	11.5	1.1363*
5	327.00	43	2676096.	100.0	100.0	9.8625*
6	326.00	25	60710.	2.3	2.3	0.2237*
7	325.00	17	24398.	0.9	0.9	0.0899*
8	324.00	8	3663.	0.1	0.1	0.0135
9	318.00	6	2066.	0.1	0.1	0.0076
10	313.00	6	1315.	0.0	0.0	0.0048
11	312.00	12	25061.	0.9	0.9	0.0924
12	310.00	10	3343.	0.1	0.1	0.0123
13	309.00	14	34022.	1.3	1.3	0.1254
14	308.00	12	28181.	1.1	1.1	0.1039
15	298.00	10	15958.	0.6	0.6	0.0588
16	294.00	6	1133.	0.0	0.0	0.0042
17	292.00	6	450.	0.0	0.0	0.0017
18	289.00	8	461.	0.0	0.0	0.0017
19	285.00	10	4538.	0.2	0.2	0.0167
20	284.00	17	57473.	2.1	2.1	0.2118
21	283.00	8	1995.	0.1	0.1	0.0074
22	281.00	6	1291.	0.0	0.0	0.0048
23	264.00	6	1557.	0.1	0.1	0.0057
24	261.00	10	15203.	0.6	0.6	0.0560
25	260.00	17	101128.	3.8	3.8	0.3727*
26	259.00	10	10494.	0.4	0.4	0.0387
27	258.00	17	81932.	3.1	3.1	0.3020
28	257.00	8	1806.	0.1	0.1	0.0067
29	249.00	8	2664.	0.1	0.1	0.0098
30	241.00	8	2092.	0.1	0.1	0.0077
31	240.00	10	6130.	0.2	0.2	0.0226*
32	234.00	10	1053.	0.0	0.0	0.0039
33	233.00	10	6643.	0.2	0.2	0.0245
34	232.00	17	44424.	1.7	1.7	0.1637*
35	231.00	25	332096.	12.4	12.4	1.2239*
36	230.00	51	2552640.	95.4	95.4	9.4075*
37	229.00	25	42892.	1.6	1.6	0.1581*
38	228.00	12	36969.	1.4	1.4	0.1362*
39	227.00	10	1490.	0.1	0.1	0.0052
40	225.00	8	1472.	0.1	0.1	0.0054
41	220.00	6	642.	0.0	0.0	0.0024
42	219.00	6	2674.	0.1	0.1	0.0099
43	218.00	8	9795.	0.4	0.4	0.0361
44	217.00	12	27841.	1.0	1.0	0.1026
45	216.00	12	27754.	1.0	1.0	0.1023
46	215.00	21	122780.	4.6	4.6	0.4525*
47	214.00	35	444128.	16.6	16.6	1.6368*
48	213.00	17	88504.	3.3	3.3	0.3262
49	212.00	17	89784.	3.4	3.4	0.3309
50	211.00	17	23262.	0.9	0.9	0.0857*
51	210.00	17	84860.	3.2	3.2	0.3127*
52	208.00	6	769.	0.0	0.0	0.0028
53	207.00	8	2625.	0.1	0.1	0.0097
54	206.00	6	1189.	0.0	0.0	0.0044
55	204.00	8	2682.	0.1	0.1	0.0099

PAGE 2

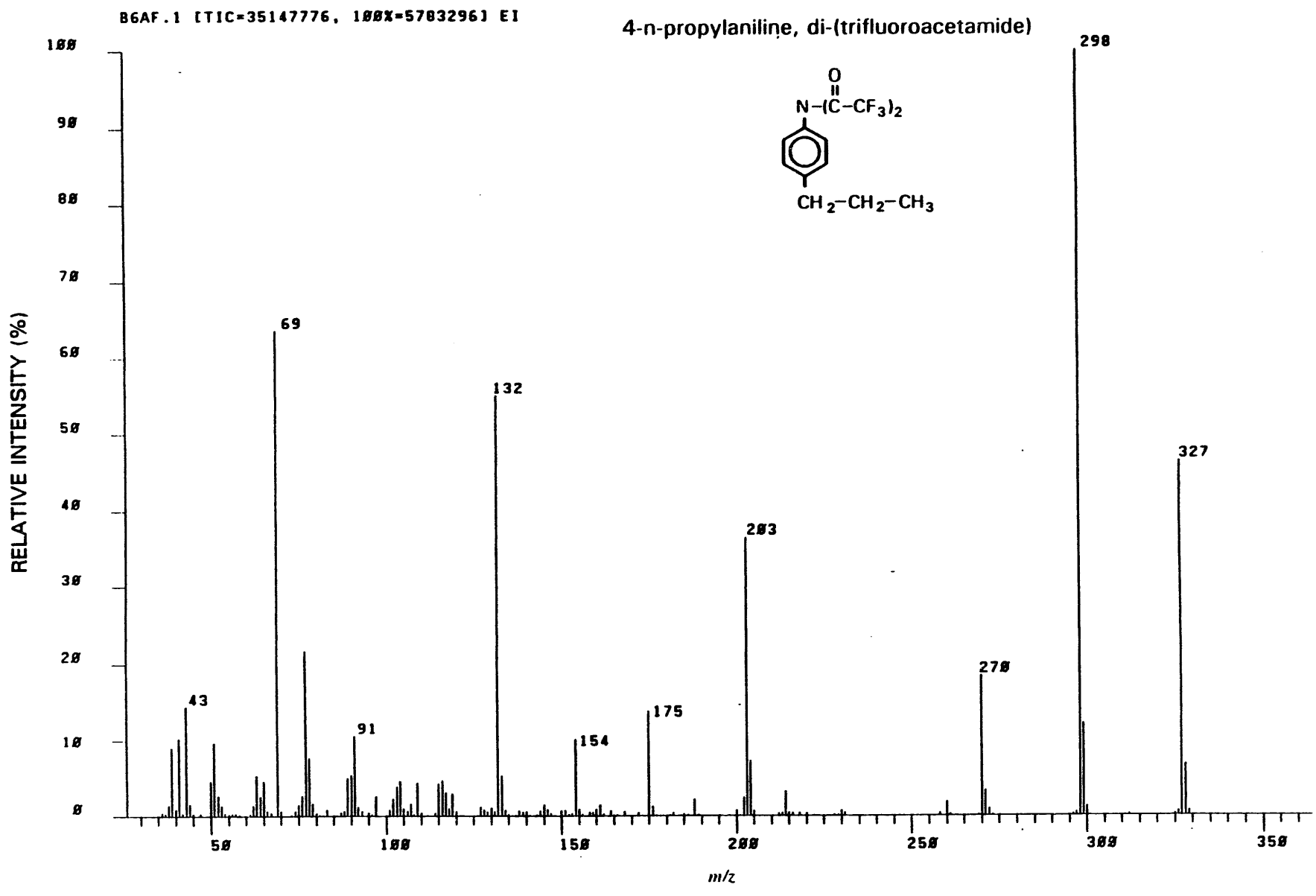
PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	203.00	10	13472.	0.5	0.5	0.0496*
57	202.00	12	18526.	0.7	0.7	0.0683
58	201.00	12	15420.	0.6	0.6	0.0568
59	200.00	17	76000.	2.8	2.8	0.2801*
60	199.00	17	158900.	5.9	5.9	0.5856
61	198.00	17	157740.	5.9	5.9	0.5814
62	197.00	14	26547.	1.0	1.0	0.0978*
63	196.00	10	14023.	0.5	0.5	0.0517
64	195.00	14	15261.	0.6	0.6	0.0562
65	194.00	17	72296.	2.7	2.7	0.2664
66	193.00	14	21205.	0.8	0.8	0.0781*
67	192.00	21	49714.	1.9	1.9	0.1832*
68	191.00	10	6921.	0.3	0.3	0.0255*
69	190.00	10	9712.	0.4	0.4	0.0358*
70	189.00	12	18599.	0.7	0.7	0.0685*
71	188.00	12	14472.	0.5	0.5	0.0533
72	187.00	12	25876.	1.0	1.0	0.0954
73	186.00	10	13561.	0.5	0.5	0.0500*
74	185.00	10	10332.	0.4	0.4	0.0381
75	184.00	10	3069.	0.1	0.1	0.0113
76	183.00	14	41363.	1.5	1.5	0.1524*
77	182.00	21	178388.	6.7	6.7	0.6574*
78	181.00	10	9069.	0.3	0.3	0.0334
79	180.00	12	7752.	0.3	0.3	0.0286
80	179.00	10	4637.	0.2	0.2	0.0171
81	178.00	12	27599.	1.0	1.0	0.1017
82	177.00	12	8650.	0.3	0.3	0.0319*
83	176.00	10	1291.	0.0	0.0	0.0048
84	175.00	6	1397.	0.1	0.1	0.0051
85	174.00	6	1551.	0.1	0.1	0.0057
86	173.00	8	5349.	0.2	0.2	0.0197
87	172.00	8	6703.	0.3	0.3	0.0247
88	169.00	12	23550.	0.9	0.9	0.0868*
89	168.00	12	28366.	1.1	1.1	0.1045
90	167.00	12	18084.	0.7	0.7	0.0666
91	166.00	10	5243.	0.2	0.2	0.0193
92	165.00	8	10251.	0.4	0.4	0.0378
93	164.00	14	28851.	1.1	1.1	0.1063*
94	163.00	21	39841.	1.5	1.5	0.1468*
95	162.00	51	271856.	10.2	10.2	1.0019*
96	161.00	51	1313536.	49.1	49.1	4.8409*
97	160.00	35	416448.	15.6	15.6	1.5348*
98	159.00	14	26848.	1.0	1.0	0.0989*
99	158.00	12	18584.	0.7	0.7	0.0685
100	157.00	8	2336.	0.1	0.1	0.0086
101	156.00	10	6585.	0.2	0.2	0.0243
102	155.00	10	21861.	0.8	0.8	0.0806
103	154.00	8	5035.	0.2	0.2	0.0186
104	153.00	12	9478.	0.4	0.4	0.0349
105	152.00	17	50775.	1.9	1.9	0.1871*
106	151.00	14	2919.	0.1	0.1	0.0108*
107	150.00	10	6674.	0.2	0.2	0.0246*
108	149.00	10	11559.	0.4	0.4	0.0426
109	148.00	12	18929.	0.7	0.7	0.0698*
110	147.00	21	105996.	4.0	4.0	0.3906*

PAGE 3

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	146.00	35	1002832.	37.5	37.5	3.6959*
112	145.00	43	367232.	13.7	13.7	1.3534*
113	144.00	21	197252.	7.4	7.4	0.7270*
114	143.00	14	21691.	0.8	0.8	0.0799*
115	142.00	14	26837.	1.0	1.0	0.0989
116	141.00	10	18093.	0.7	0.7	0.0667*
117	140.00	10	10589.	0.4	0.4	0.0390
118	139.00	10	8518.	0.3	0.3	0.0314*
119	138.00	17	27909.	1.0	1.0	0.1029*
120	137.00	17	43360.	1.6	1.6	0.1598
121	136.00	21	110740.	4.1	4.1	0.4081*
122	135.00	35	1079104.	40.3	40.3	3.9770*
123	134.00	25	58188.	2.2	2.2	0.2144*
124	133.00	29	271184.	10.1	10.1	0.9994*
125	132.00	29	338768.	12.7	12.7	1.2485*
126	131.00	25	68676.	2.6	2.6	0.2531*
127	130.00	21	162788.	6.1	6.1	0.5999*
128	129.00	12	13891.	0.5	0.5	0.0512*
129	128.00	17	46597.	1.7	1.7	0.1717*
130	127.00	12	15301.	0.6	0.6	0.0564
131	125.00	6	463.	0.0	0.0	0.0017
132	124.00	8	1394.	0.1	0.1	0.0051
133	123.00	12	37536.	1.4	1.4	0.1383
134	122.00	12	11338.	0.4	0.4	0.0418
135	121.00	8	9304.	0.3	0.3	0.0343
136	120.00	21	112356.	4.2	4.2	0.4141*
137	119.00	35	944672.	35.3	35.3	3.4815*
138	118.00	29	238264.	8.9	8.9	0.8781*
139	117.00	35	454464.	17.0	17.0	1.6749*
140	116.00	25	228756.	8.5	8.5	0.8431*
141	115.00	35	241824.	9.0	9.0	0.8912*
142	114.00	12	10269.	0.4	0.4	0.0378*
143	113.00	17	13750.	0.5	0.5	0.0507*
144	112.00	12	2651.	0.1	0.1	0.0098*
145	111.00	10	8982.	0.3	0.3	0.0331*
146	110.00	17	17132.	0.6	0.6	0.0631*
147	109.00	17	28761.	1.1	1.1	0.1060*
148	108.00	14	15216.	0.6	0.6	0.0561*
149	107.00	21	140020.	5.2	5.2	0.5160
150	106.00	21	108236.	4.0	4.0	0.3989*
151	105.00	25	248392.	9.3	9.3	0.9154*
152	104.00	25	195472.	7.3	7.3	0.7204*
153	103.00	25	288784.	10.8	10.8	1.0643*
154	102.00	17	88636.	3.3	3.3	0.3267*
155	101.00	17	36120.	1.3	1.3	0.1331*
156	100.00	8	3506.	0.1	0.1	0.0129
157	99.00	6	2829.	0.1	0.1	0.0104
158	98.00	14	8380.	0.3	0.3	0.0309*
159	97.00	21	110628.	4.1	4.1	0.4077*
160	96.00	17	14804.	0.6	0.6	0.0546*
161	95.00	10	9828.	0.4	0.4	0.0362*
162	94.00	10	12167.	0.5	0.5	0.0448
163	93.00	17	80956.	3.0	3.0	0.2984
164	92.00	21	177404.	6.6	6.6	0.6538*
165	91.00	43	1244736.	46.5	46.5	4.5874*

PAGE 4

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
166	90.00	21	110732.	4.1	4.1	0.4081*
167	89.00	21	142264.	5.3	5.3	0.5243*
168	88.00	14	22953.	0.9	0.9	0.0846
169	87.00	12	9413.	0.4	0.4	0.0347
170	86.00	8	6475.	0.2	0.2	0.0239
171	85.00	17	9617.	0.4	0.4	0.0354*
172	83.00	10	5066.	0.2	0.2	0.0187
173	82.00	8	912.	0.0	0.0	0.0034
174	81.00	12	8604.	0.3	0.3	0.0317
175	80.00	17	38417.	1.4	1.4	0.1416*
176	79.00	25	316320.	11.8	11.8	1.1658*
177	78.00	21	189316.	7.1	7.1	0.6977*
178	77.00	35	599200.	22.4	22.4	2.2083*
179	76.00	17	68180.	2.5	2.5	0.2513*
180	75.00	17	63443.	2.4	2.4	0.2338
181	74.00	17	27820.	1.0	1.0	0.1025*
182	73.00	10	7819.	0.3	0.3	0.0288
183	72.00	6	774.	0.0	0.0	0.0029
184	71.00	8	1478.	0.1	0.1	0.0054
185	70.00	17	29364.	1.1	1.1	0.1082*
186	69.00	51	2103104.	78.6	78.6	7.7508*
187	68.00	14	25105.	0.9	0.9	0.0925*
188	67.00	17	66588.	2.5	2.5	0.2454*
189	66.00	21	105088.	3.9	3.9	0.3873*
190	65.00	29	425776.	15.9	15.9	1.5692*
191	64.00	21	100792.	3.8	3.8	0.3715*
192	63.00	25	180040.	6.7	6.7	0.6635*
193	62.00	14	41167.	1.5	1.5	0.1517*
194	61.00	10	6173.	0.2	0.2	0.0228
195	59.00	10	5079.	0.2	0.2	0.0187
196	58.00	12	5148.	0.2	0.2	0.0190*
197	57.00	10	9367.	0.4	0.4	0.0345
198	56.00	10	15280.	0.6	0.6	0.0563
199	55.00	17	37404.	1.4	1.4	0.1378*
200	54.00	17	49252.	1.8	1.8	0.1815
201	53.00	21	181176.	6.8	6.8	0.6677*
202	52.00	21	124196.	4.6	4.6	0.4577*
203	51.00	25	314496.	11.8	11.8	1.1590*
204	50.00	25	188752.	7.1	7.1	0.6956*
205	49.00	14	4935.	0.2	0.2	0.0182*
206	47.00	10	7112.	0.3	0.3	0.0262*
207	45.00	8	7386.	0.3	0.3	0.0272
208	44.00	17	60465.	2.3	2.3	0.2228
209	43.00	21	86680.	3.2	3.2	0.3195
210	42.00	14	35759.	1.3	1.3	0.1318
211	41.00	29	481040.	18.0	18.0	1.7728*
212	40.00	25	104372.	3.9	3.9	0.3847*
213	39.00	29	598000.	22.3	22.3	2.2039*
214	38.00	25	80508.	3.0	3.0	0.2967*
215	37.00	12	15649.	0.6	0.6	0.0577*
216	36.00	14	25136.	0.9	0.9	0.0926*
217	35.00	8	3208.	0.1	0.1	0.0118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4-n-propylaniline, di-(trifluoroacetamide)
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
50
100
150
200
250
300
350
m/z
69
132
43
91
154
175
203
270
298
327

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	354.00	6	969.	0.0	0.0	0.0020
2	341.00	8	893.	0.0	0.0	0.0025
3	331.00	12	1179.	0.0	0.0	0.0034*
4	330.00	6	2592.	0.0	0.0	0.0074
5	329.00	17	40166.	0.7	0.7	0.1143*
6	328.00	25	392880.	6.8	6.8	1.1178*
7	327.00	43	2678976.	46.3	46.3	7.6220*
8	326.00	17	35150.	0.6	0.6	0.1000*
9	325.00	14	16273.	0.3	0.3	0.0463*
10	324.00	10	1390.	0.0	0.0	0.0040
11	323.00	6	422.	0.0	0.0	0.0012
12	322.00	10	688.	0.0	0.0	0.0020
13	320.00	6	1356.	0.0	0.0	0.0039
14	319.00	6	1011.	0.0	0.0	0.0029
15	312.00	12	18211.	0.3	0.3	0.0518
16	311.00	12	5400.	0.1	0.1	0.0154
17	308.00	8	4526.	0.1	0.1	0.0129
18	305.00	6	628.	0.0	0.0	0.0018
19	304.00	6	1525.	0.0	0.0	0.0043
20	302.00	8	1562.	0.0	0.0	0.0044
21	301.00	6	6039.	0.1	0.1	0.0172
22	300.00	21	75544.	1.3	1.3	0.2149*
23	299.00	35	704544.	12.2	12.2	2.0045*
24	298.00	51	5783296.	100.0	100.0	*16.45*
25	297.00	17	29546.	0.5	0.5	0.0841*
26	296.00	21	17060.	0.3	0.3	0.0485*
27	295.00	8	4399.	0.1	0.1	0.0125
28	285.00	6	3005.	0.1	0.1	0.0085
29	283.00	6	1128.	0.0	0.0	0.0032
30	282.00	8	1086.	0.0	0.0	0.0031
31	281.00	8	1180.	0.0	0.0	0.0034
32	273.00	12	14263.	0.2	0.2	0.0406*
33	272.00	25	55266.	1.0	1.0	0.1572*
34	271.00	51	194420.	3.4	3.4	0.5532*
35	270.00	35	1057728.	18.3	18.3	3.0094*
36	269.00	12	13385.	0.2	0.2	0.0381*
37	268.00	6	1242.	0.0	0.0	0.0035
38	261.00	10	14611.	0.3	0.3	0.0416
39	260.00	17	110140.	1.9	1.9	0.3134*
40	259.00	8	705.	0.0	0.0	0.0020
41	258.00	10	27214.	0.5	0.5	0.0774
42	257.00	6	963.	0.0	0.0	0.0027
43	256.00	8	1346.	0.0	0.0	0.0038
44	250.00	8	3038.	0.1	0.1	0.0086
45	249.00	6	782.	0.0	0.0	0.0022
46	245.00	8	2521.	0.0	0.0	0.0072
47	244.00	10	2754.	0.0	0.0	0.0078*
48	243.00	6	1324.	0.0	0.0	0.0038
49	242.00	8	8343.	0.1	0.1	0.0237
50	240.00	8	1316.	0.0	0.0	0.0037
51	238.00	6	1496.	0.0	0.0	0.0043
52	233.00	6	1498.	0.0	0.0	0.0043
53	232.00	8	1416.	0.0	0.0	0.0040
54	231.00	12	28215.	0.5	0.5	0.0803*
55	230.00	12	44918.	0.8	0.8	0.1278

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PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	229.00	10	9910.	0.2	0.2	0.0282
57	228.00	10	13398.	0.2	0.2	0.0381
58	226.00	8	1160.	0.0	0.0	0.0033
59	222.00	10	4594.	0.1	0.1	0.0131
60	220.00	12	22765.	0.4	0.4	0.0648
61	219.00	10	2284.	0.0	0.0	0.0065
62	218.00	12	25022.	0.4	0.4	0.0712
63	217.00	8	2495.	0.0	0.0	0.0071
64	216.00	14	28702.	0.5	0.5	0.0817
65	215.00	14	28560.	0.5	0.5	0.0813
66	214.00	17	188628.	3.3	3.3	0.5367*
67	213.00	12	25181.	0.4	0.4	0.0716*
68	212.00	10	19684.	0.3	0.3	0.0560
69	207.00	10	1381.	0.0	0.0	0.0039
70	205.00	14	43531.	0.8	0.8	0.1239
71	204.00	29	419312.	7.3	7.3	1.1930*
72	203.00	43	2106304.	36.4	36.4	5.9927*
73	202.00	29	141524.	2.4	2.4	0.4027*
74	201.00	10	8677.	0.2	0.2	0.0247
75	200.00	17	46845.	0.8	0.8	0.1333*
76	199.00	10	2638.	0.0	0.0	0.0075
77	198.00	8	5318.	0.1	0.1	0.0151
78	196.00	6	1001.	0.0	0.0	0.0028
79	195.00	8	2277.	0.0	0.0	0.0065
80	194.00	8	830.	0.0	0.0	0.0024
81	192.00	10	2532.	0.0	0.0	0.0072
82	191.00	8	1085.	0.0	0.0	0.0031
83	190.00	8	3319.	0.1	0.1	0.0094
84	189.00	12	14259.	0.2	0.2	0.0406
85	188.00	17	127352.	2.2	2.2	0.3623
86	187.00	8	6568.	0.1	0.1	0.0187
87	186.00	10	10988.	0.2	0.2	0.0313
88	185.00	10	18997.	0.3	0.3	0.0540
89	184.00	10	9126.	0.2	0.2	0.0260
90	183.00	10	2626.	0.0	0.0	0.0075
91	182.00	12	28200.	0.5	0.5	0.0802
92	181.00	12	12929.	0.2	0.2	0.0368
93	178.00	8	2472.	0.0	0.0	0.0070
94	177.00	8	4833.	0.1	0.1	0.0138
95	176.00	17	74188.	1.3	1.3	0.2111*
96	175.00	29	801584.	13.9	13.9	2.2806*
97	174.00	14	3647.	0.1	0.1	0.0104*
98	173.00	10	8179.	0.1	0.1	0.0233
99	172.00	12	26368.	0.5	0.5	0.0750
100	170.00	8	2174.	0.0	0.0	0.0062
101	169.00	12	4422.	0.1	0.1	0.0126*
102	168.00	14	37753.	0.7	0.7	0.1074
103	167.00	8	3580.	0.1	0.1	0.0102
104	166.00	10	10748.	0.2	0.2	0.0306
105	165.00	6	5190.	0.1	0.1	0.0148
106	164.00	12	39304.	0.7	0.7	0.1118
107	163.00	8	1311.	0.0	0.0	0.0037
108	162.00	10	15952.	0.3	0.3	0.0454
109	161.00	17	85328.	1.5	1.5	0.2428
110	160.00	17	56955.	1.0	1.0	0.1620*

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PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	159.00	12	29897.	0.5	0.5	0.0851*
112	158.00	12	32305.	0.6	0.6	0.0919
113	157.00	10	8610.	0.1	0.1	0.0245
114	156.00	12	14760.	0.3	0.3	0.0420*
115	155.00	17	52725.	0.9	0.9	0.1500
116	154.00	29	583504.	10.1	10.1	1.6601*
117	153.00	17	22616.	0.4	0.4	0.0643*
118	152.00	17	18920.	0.3	0.3	0.0538*
119	151.00	35	46718.	0.8	0.8	0.1329*
120	150.00	21	40235.	0.7	0.7	0.1145*
121	148.00	8	4940.	0.1	0.1	0.0141
122	147.00	12	19545.	0.3	0.3	0.0556*
123	146.00	17	51170.	0.9	0.9	0.1456
124	145.00	17	87836.	1.5	1.5	0.2499
125	144.00	14	43417.	0.8	0.8	0.1235
126	143.00	10	12319.	0.2	0.2	0.0350*
127	142.00	10	7006.	0.1	0.1	0.0199
128	141.00	10	6880.	0.1	0.1	0.0196
129	140.00	21	37439.	0.6	0.6	0.1065*
130	139.00	25	33142.	0.6	0.6	0.0943*
131	138.00	35	39371.	0.7	0.7	0.1120*
132	137.00	17	11874.	0.2	0.2	0.0338*
133	136.00	10	5089.	0.1	0.1	0.0145*
134	135.00	10	16897.	0.3	0.3	0.0481
135	134.00	17	49083.	0.8	0.8	0.1396*
136	133.00	29	310272.	5.4	5.4	0.8828*
137	132.00	59	3177536.	54.9	54.9	9.0405*
138	131.00	21	41404.	0.7	0.7	0.1178*
139	130.00	17	66652.	1.2	1.2	0.1896
140	129.00	14	35137.	0.6	0.6	0.1000*
141	128.00	14	51660.	0.9	0.9	0.1470
142	127.00	17	75376.	1.3	1.3	0.2145
143	126.00	8	4842.	0.1	0.1	0.0138
144	125.00	14	3064.	0.1	0.1	0.0087*
145	124.00	6	1147.	0.0	0.0	0.0033
146	122.00	12	6652.	0.1	0.1	0.0189*
147	121.00	8	7427.	0.1	0.1	0.0211
148	120.00	17	36221.	0.6	0.6	0.1031
149	119.00	21	171796.	3.0	3.0	0.4888
150	118.00	17	61203.	1.1	1.1	0.1744
151	117.00	25	180800.	3.1	3.1	0.5144*
152	116.00	25	271120.	4.7	4.7	0.7714*
153	115.00	25	246716.	4.3	4.3	0.7019*
154	114.00	14	25663.	0.4	0.4	0.0730*
155	113.00	10	6400.	0.1	0.1	0.0182
156	112.00	10	5367.	0.1	0.1	0.0153
157	111.00	8	2405.	0.0	0.0	0.0068
158	110.00	14	27972.	0.5	0.5	0.0796
159	109.00	21	250000.	4.3	4.3	0.7113
160	108.00	12	15563.	0.3	0.3	0.0443
161	107.00	17	95336.	1.6	1.6	0.2712
162	106.00	14	41931.	0.7	0.7	0.1193
163	105.00	17	61728.	1.1	1.1	0.1756
164	104.00	21	266672.	4.6	4.6	0.7587*
165	103.00	21	224488.	3.9	3.9	0.6387

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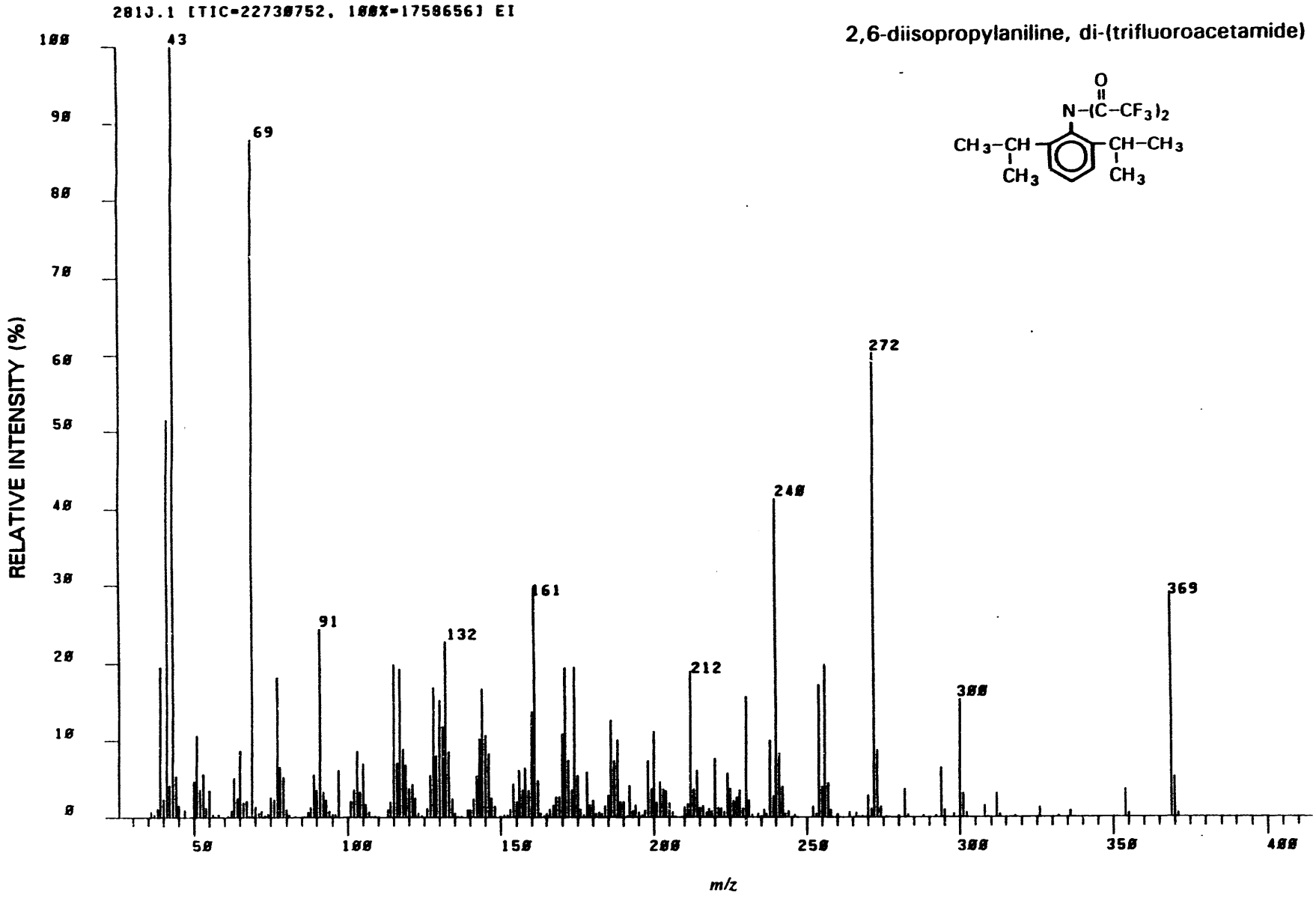
PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
166	102.00	17	132524.	2.3	2.3	0.3770*
167	101.00	14	49865.	0.9	0.9	0.1419
168	100.00	10	8999.	0.2	0.2	0.0256
169	99.00	10	2610.	0.0	0.0	0.0074
170	98.00	8	1256.	0.0	0.0	0.0036
171	97.00	21	152200.	2.6	2.6	0.4333
172	96.00	12	10245.	0.3	0.3	0.0519
173	95.00	12	24706.	0.4	0.4	0.0703
174	94.00	10	4163.	0.1	0.1	0.0118
175	93.00	17	40100.	0.7	0.7	0.1141
176	92.00	17	69512.	1.2	1.2	0.1978
177	91.00	29	614112.	10.6	10.6	1.7472*
178	90.00	21	315456.	5.5	5.5	0.8975*
179	89.00	21	288944.	5.0	5.0	0.8221*
180	88.00	21	41306.	0.7	0.7	0.1175*
181	87.00	14	31602.	0.5	0.5	0.0899*
182	86.00	10	7092.	0.1	0.1	0.0202
183	85.00	10	8532.	0.1	0.1	0.0243
184	84.00	6	2351.	0.0	0.0	0.0067
185	83.00	17	51480.	0.9	0.9	0.1465*
186	82.00	17	5445.	0.1	0.1	0.0155*
187	81.00	10	11413.	0.2	0.2	0.0325*
188	80.00	14	20366.	0.4	0.4	0.0579*
189	79.00	21	96784.	1.7	1.7	0.2754*
190	78.00	29	442816.	7.7	7.7	1.2599*
191	77.00	35	1253440.	21.7	21.7	3.5662*
192	76.00	21	158740.	2.7	2.7	0.4516
193	75.00	21	86696.	1.5	1.5	0.2467*
194	74.00	14	39044.	0.7	0.7	0.1111
195	73.00	10	11332.	0.2	0.2	0.0322
196	71.00	6	1210.	0.0	0.0	0.0035
197	70.00	17	39518.	0.7	0.7	0.1124
198	69.00	51	3680128.	63.6	63.6	*10.47*
199	68.00	6	1841.	0.0	0.0	0.0052
200	67.00	17	24491.	0.4	0.4	0.0697*
201	66.00	17	43059.	0.7	0.7	0.1225*
202	65.00	21	268192.	4.6	4.6	0.7630*
203	64.00	21	152220.	2.6	2.6	0.4331
204	63.00	21	308048.	5.3	5.3	0.8764
205	62.00	17	86272.	1.5	1.5	0.2455*
206	61.00	14	19755.	0.3	0.3	0.0562*
207	60.00	8	2843.	0.0	0.0	0.0081
208	59.00	10	4166.	0.1	0.1	0.0119*
209	58.00	12	10441.	0.2	0.2	0.0297*
210	57.00	14	22383.	0.4	0.4	0.0637*
211	56.00	14	19403.	0.3	0.3	0.0552*
212	55.00	17	18799.	0.3	0.3	0.0535*
213	54.00	12	26512.	0.5	0.5	0.0754*
214	53.00	17	83132.	1.4	1.4	0.2365
215	52.00	21	154796.	2.7	2.7	0.4404
216	51.00	25	562496.	9.7	9.7	1.6004*
217	50.00	25	265328.	4.6	4.6	0.7549*
218	49.00	10	6656.	0.1	0.1	0.0189
219	47.00	10	21818.	0.4	0.4	0.0621
220	46.00	8	2420.	0.0	0.0	0.0069

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
221	45.00	17	19342.	0.3	0.3	0.0550*
222	44.00	29	94472.	1.6	1.6	0.2688*
223	43.00	29	832944.	14.4	14.4	2.3698*
224	42.00	14	24481.	0.4	0.4	0.0697*
225	41.00	25	594112.	10.3	10.3	1.6903*
226	40.00	17	56012.	1.0	1.0	0.1594
227	39.00	29	521248.	9.0	9.0	1.4830*
228	38.00	25	84936.	1.5	1.5	0.2417*
229	37.00	17	21615.	0.4	0.4	0.0615*
230	36.00	12	30480.	0.5	0.5	0.0867
231	35.00	8	6640.	0.1	0.1	0.0189


281J.1 [TIC=22738752, 100%=1758656] EI
2,6-diisopropylaniline, di-(trifluoroacetamide)
RELATIVE INTENSITY (%)
m/z
43
69
91
132
161
212
248
272
300
369

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PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	401.00	6	871.	0.0	0.0	0.0038
2	372.00	6	945.	0.1	0.1	0.0042
3	371.00	10	11460.	0.7	0.7	0.0504*
4	370.00	17	92396.	5.3	5.3	0.4065*
5	369.00	25	509696.	29.0	29.0	2.2423*
6	368.00	8	2392.	0.1	0.1	0.0105
7	355.00	10	11427.	0.6	0.6	0.0503
8	354.00	17	64429.	3.7	3.7	0.2834*
9	353.00	8	686.	0.0	0.0	0.0030
10	351.00	6	1503.	0.1	0.1	0.0066
11	350.00	8	2759.	0.2	0.2	0.0121
12	337.00	8	2544.	0.1	0.1	0.0112
13	336.00	8	15309.	0.9	0.9	0.0673
14	333.00	10	1120.	0.1	0.1	0.0049
15	332.00	8	4892.	0.3	0.3	0.0215
16	326.00	12	22545.	1.3	1.3	0.0992
17	323.00	6	622.	0.0	0.0	0.0027
18	318.00	10	4743.	0.3	0.3	0.0209*
19	316.00	8	832.	0.0	0.0	0.0037
20	313.00	10	7571.	0.4	0.4	0.0333
21	312.00	14	54252.	3.1	3.1	0.2387
22	309.00	8	3271.	0.2	0.2	0.0144
23	308.00	12	27058.	1.5	1.5	0.1190
24	302.00	10	12639.	0.7	0.7	0.0556
25	301.00	17	54696.	3.1	3.1	0.2406*
26	300.00	21	267584.	15.2	15.2	1.1772
27	299.00	8	1863.	0.1	0.1	0.0082
28	298.00	10	9586.	0.5	0.5	0.0422
29	296.00	8	2773.	0.2	0.2	0.0122
30	295.00	12	18134.	1.0	1.0	0.0798
31	294.00	17	112924.	6.4	6.4	0.4968
32	292.00	8	4746.	0.3	0.3	0.0209
33	290.00	6	2614.	0.1	0.1	0.0115
34	288.00	8	5614.	0.3	0.3	0.0247
35	285.00	6	840.	0.0	0.0	0.0037
36	284.00	6	1839.	0.1	0.1	0.0081
37	283.00	14	8481.	0.5	0.5	0.0373*
38	282.00	17	65338.	3.7	3.7	0.2874*
39	281.00	6	1313.	0.1	0.1	0.0058
40	280.00	10	4767.	0.3	0.3	0.0210*
41	278.00	6	1308.	0.1	0.1	0.0058
42	277.00	8	1548.	0.1	0.1	0.0068
43	276.00	12	3371.	0.2	0.2	0.0148*
44	275.00	8	1038.	0.1	0.1	0.0046
45	274.00	12	25852.	1.5	1.5	0.1137
46	273.00	21	152128.	8.7	8.7	0.6693*
47	272.00	29	1057600.	60.1	60.1	4.6527*
48	271.00	10	20693.	1.2	1.2	0.0910
49	270.00	17	50778.	2.9	2.9	0.2234*
50	269.00	8	1506.	0.1	0.1	0.0066
51	268.00	8	5048.	0.3	0.3	0.0222
52	267.00	8	3005.	0.2	0.2	0.0132
53	266.00	10	12267.	0.7	0.7	0.0540
54	264.00	10	12765.	0.7	0.7	0.0562
55	261.00	6	627.	0.0	0.0	0.0028

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	260.00	10	8094.	0.5	0.5	0.0356
57	258.00	12	17941.	1.0	1.0	0.0789
58	257.00	21	77328.	4.4	4.4	0.3402*
59	256.00	21	346976.	19.7	19.7	1.5265*
60	255.00	17	70568.	4.0	4.0	0.3105*
61	254.00	21	300816.	17.1	17.1	1.3234
62	253.00	10	10114.	0.6	0.6	0.0445
63	252.00	12	25579.	1.5	1.5	0.1125
64	247.00	6	912.	0.1	0.1	0.0040
65	246.00	10	7320.	0.4	0.4	0.0322
66	245.00	6	1963.	0.1	0.1	0.0086
67	244.00	12	15132.	0.9	0.9	0.0666*
68	243.00	12	9560.	0.5	0.5	0.0421*
69	242.00	17	70364.	4.0	4.0	0.3096
70	241.00	21	145804.	8.3	8.3	0.6414
71	240.00	35	725120.	41.2	41.2	3.1900
72	239.00	17	48319.	2.7	2.7	0.2126
73	238.00	25	174000.	9.9	9.9	0.7655*
74	237.00	10	9642.	0.5	0.5	0.0424
75	236.00	12	17668.	1.0	1.0	0.0777*
76	235.00	12	3483.	0.2	0.2	0.0153*
77	234.00	12	10132.	0.6	0.6	0.0446*
78	232.00	8	8203.	0.5	0.5	0.0361
79	231.00	14	38811.	2.2	2.2	0.1707
80	230.00	21	273696.	15.6	15.6	1.2041*
81	229.00	14	20642.	1.2	1.2	0.0908*
82	228.00	17	62618.	3.6	3.6	0.2755*
83	227.00	17	46081.	2.6	2.6	0.2027
84	226.00	14	38286.	2.2	2.2	0.1684
85	225.00	17	64716.	3.7	3.7	0.2847
86	224.00	17	100504.	5.7	5.7	0.4421
87	223.00	14	13605.	0.8	0.8	0.0599*
88	222.00	14	21018.	1.2	1.2	0.0925*
89	221.00	12	22353.	1.3	1.3	0.0983*
90	220.00	17	133724.	7.6	7.6	0.5883*
91	219.00	12	15209.	0.9	0.9	0.0669*
92	218.00	12	19724.	1.1	1.1	0.0868
93	217.00	10	12157.	0.7	0.7	0.0535
94	216.00	14	26904.	1.5	1.5	0.1184*
95	215.00	14	22861.	1.3	1.3	0.1006
96	214.00	21	107448.	6.1	6.1	0.4727*
97	213.00	17	64308.	3.7	3.7	0.2829*
98	212.00	21	331696.	18.9	18.9	1.4592
99	211.00	14	30858.	1.8	1.8	0.1358
100	210.00	14	24669.	1.4	1.4	0.1085
101	209.00	8	2478.	0.1	0.1	0.0109
102	208.00	8	1334.	0.1	0.1	0.0059
103	207.00	6	2983.	0.2	0.2	0.0131
104	206.00	10	13637.	0.8	0.8	0.0600*
105	205.00	14	32618.	1.9	1.9	0.1435*
106	204.00	17	61956.	3.5	3.5	0.2726
107	203.00	21	65087.	3.7	3.7	0.2863*
108	202.00	25	81992.	4.7	4.7	0.3607*
109	201.00	21	35061.	2.0	2.0	0.1542*
110	200.00	25	194596.	11.1	11.1	0.8561*

PAGE 3

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	199.00	21	67288.	3.8	3.8	0.2960*
112	198.00	21	129156.	7.3	7.3	0.5602*
113	197.00	12	16137.	0.9	0.9	0.0710
114	196.00	10	6295.	0.4	0.4	0.0277
115	195.00	12	12348.	0.7	0.7	0.0543*
116	194.00	17	28473.	1.6	1.6	0.1253*
117	193.00	10	15555.	0.9	0.9	0.0684
118	192.00	17	73140.	4.2	4.2	0.3218
119	191.00	10	5566.	0.3	0.3	0.0245
120	190.00	14	36527.	2.1	2.1	0.1607*
121	189.00	17	35274.	2.0	2.0	0.1552*
122	188.00	21	175532.	10.0	10.0	0.7722
123	187.00	21	129692.	7.4	7.4	0.5706*
124	186.00	21	221516.	12.6	12.6	0.9745*
125	185.00	17	51260.	2.9	2.9	0.2255
126	184.00	14	27272.	1.6	1.6	0.1200
127	183.00	8	8966.	0.5	0.5	0.0394
128	182.00	10	12152.	0.7	0.7	0.0535
129	181.00	10	9925.	0.6	0.6	0.0437
130	180.00	14	38577.	2.2	2.2	0.1697
131	179.00	14	28212.	1.6	1.6	0.1241
132	178.00	21	103324.	5.9	5.9	0.4546*
133	177.00	10	6914.	0.4	0.4	0.0304
134	176.00	10	18879.	1.1	1.1	0.0831
135	175.00	21	96952.	5.5	5.5	0.4265*
136	174.00	25	342512.	19.5	19.5	1.5068*
137	173.00	21	64317.	3.7	3.7	0.2830*
138	172.00	21	130384.	7.4	7.4	0.5736*
139	171.00	21	340576.	19.4	19.4	1.4983*
140	170.00	35	190284.	10.8	10.8	0.8371*
141	169.00	21	47316.	2.7	2.7	0.2082*
142	168.00	17	47590.	2.7	2.7	0.2094*
143	167.00	12	28736.	1.6	1.6	0.1264*
144	166.00	10	20003.	1.1	1.1	0.0880
145	165.00	12	10298.	0.6	0.6	0.0453
146	164.00	10	5059.	0.3	0.3	0.0223
147	163.00	10	11041.	0.6	0.6	0.0486
148	162.00	21	85656.	4.9	4.9	0.3768*
149	161.00	35	522016.	29.7	29.7	2.2965*
150	160.00	25	241320.	13.7	13.7	1.0617*
151	159.00	17	62493.	3.6	3.6	0.2749
152	158.00	21	113024.	6.4	6.4	0.4972*
153	157.00	21	63858.	3.6	3.6	0.2809*
154	156.00	21	106900.	6.1	6.1	0.4703*
155	155.00	12	35584.	2.0	2.0	0.1565
156	154.00	21	78224.	4.4	4.4	0.3441*
157	153.00	17	19787.	1.1	1.1	0.0870*
158	152.00	8	6452.	0.4	0.4	0.0284
159	151.00	10	8554.	0.5	0.5	0.0376
160	150.00	8	3811.	0.2	0.2	0.0168
161	149.00	6	1312.	0.1	0.1	0.0058
162	148.00	12	27822.	1.6	1.6	0.1224
163	147.00	17	44377.	2.5	2.5	0.1952
164	146.00	21	145752.	8.3	8.3	0.6412*
165	145.00	21	187976.	10.7	10.7	0.8270*

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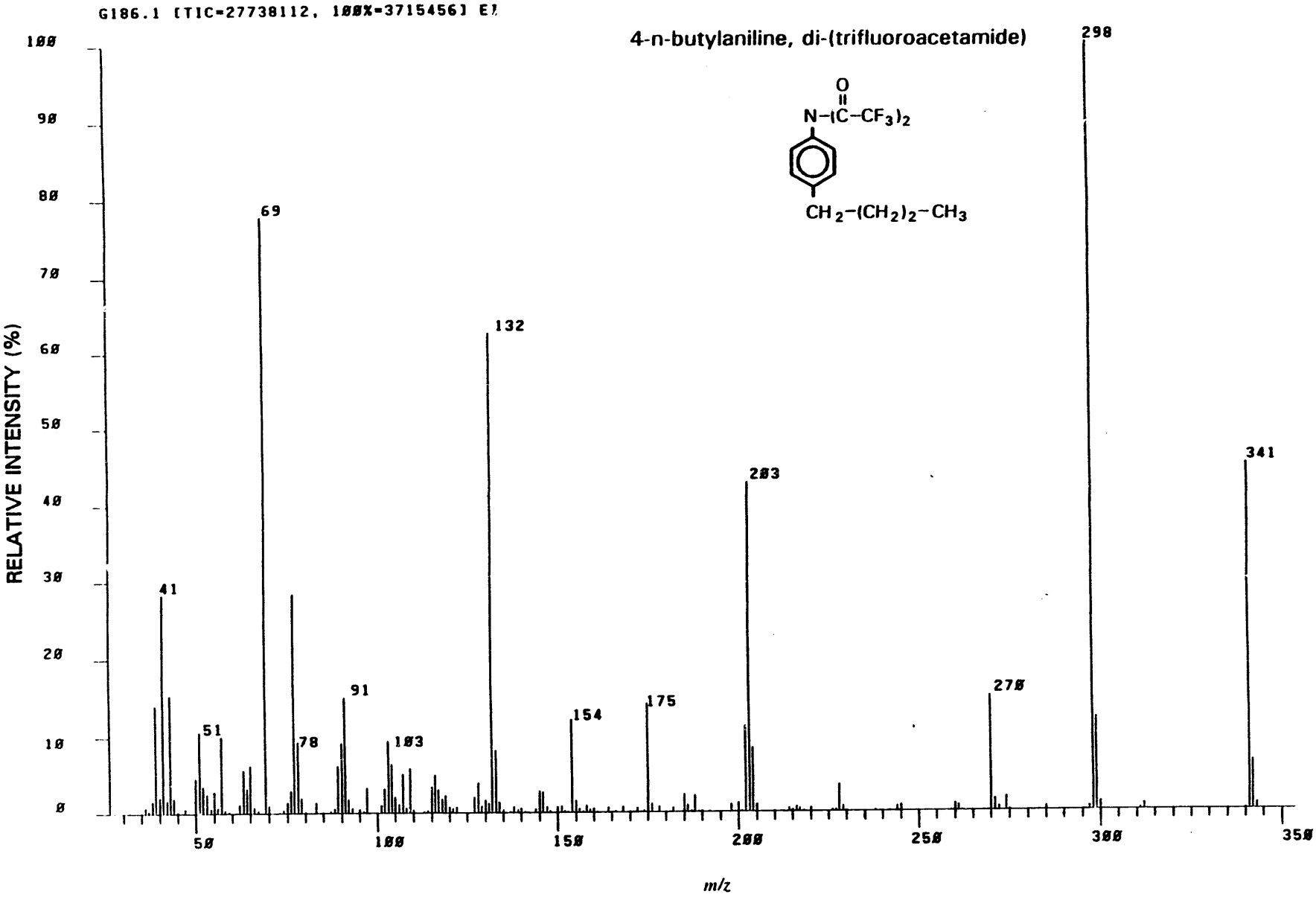
PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
166	144.00	21	293216.	16.7	16.7	1.2900
167	143.00	21	178496.	10.1	10.1	0.7853*
168	142.00	21	95436.	5.4	5.4	0.4199*
169	141.00	14	43837.	2.5	2.5	0.1929
170	140.00	12	18240.	1.0	1.0	0.0802*
171	139.00	12	18453.	1.0	1.0	0.0812*
172	137.00	17	2973.	0.2	0.2	0.0131*
173	136.00	6	3011.	0.2	0.2	0.0132
174	135.00	10	10632.	0.6	0.6	0.0468
175	134.00	17	43359.	2.5	2.5	0.1908
176	133.00	17	150844.	8.5	8.5	0.6601
177	132.00	21	401664.	22.8	22.8	1.7671*
178	131.00	25	200972.	11.9	11.9	0.9193*
179	130.00	25	268224.	15.3	15.3	1.1800*
180	129.00	21	142004.	8.1	8.1	0.6282
181	128.00	21	295728.	16.8	16.8	1.3010
182	127.00	21	97228.	5.5	5.5	0.4277*
183	126.00	12	20965.	1.2	1.2	0.0922
184	125.00	6	1156.	0.1	0.1	0.0051
185	124.00	10	5482.	0.3	0.3	0.0241
186	123.00	10	10472.	0.6	0.6	0.0461
187	122.00	12	44569.	2.5	2.5	0.1961
188	121.00	14	76160.	4.3	4.3	0.3351*
189	120.00	17	67284.	3.8	3.8	0.2960*
190	119.00	21	119844.	6.8	6.8	0.5272*
191	118.00	21	155840.	8.9	8.9	0.6856*
192	117.00	21	337632.	19.2	19.2	1.4854*
193	116.00	17	124940.	7.1	7.1	0.5497
194	115.00	25	348400.	19.8	19.8	1.5327*
195	114.00	21	35592.	2.0	2.0	0.1566*
196	113.00	10	18006.	1.0	1.0	0.0792*
197	110.00	10	1751.	0.1	0.1	0.0077
198	109.00	10	5528.	0.3	0.3	0.0243
199	108.00	8	4048.	0.2	0.2	0.0178
200	107.00	10	13634.	0.8	0.8	0.0600
201	106.00	12	31572.	1.8	1.8	0.1389
202	105.00	21	124072.	7.1	7.1	0.5458*
203	104.00	17	58919.	3.4	3.4	0.2592
204	103.00	17	150724.	8.6	8.6	0.6631
205	102.00	17	64674.	3.7	3.7	0.2845
206	101.00	17	36807.	2.1	2.1	0.1623*
207	100.00	6	2020.	0.1	0.1	0.0089
208	99.00	8	2167.	0.1	0.1	0.0095
209	98.00	6	687.	0.0	0.0	0.0030
210	97.00	17	109624.	6.2	6.2	0.4823
211	96.00	8	7527.	0.4	0.4	0.0331
212	95.00	10	7679.	0.4	0.4	0.0338*
213	94.00	12	15787.	0.9	0.9	0.0695*
214	93.00	17	40028.	2.3	2.3	0.1761*
215	92.00	17	58923.	3.4	3.4	0.2592*
216	91.00	25	428896.	24.4	24.4	1.8869*
217	90.00	17	63651.	3.6	3.6	0.2800*
218	89.00	17	99120.	5.6	5.6	0.4361
219	88.00	14	24349.	1.4	1.4	0.1071
220	87.00	12	13744.	0.8	0.8	0.0605

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
221	86.00	6	3111.	0.2	0.2	0.0137
222	85.00	10	2477.	0.1	0.1	0.0109
223	84.00	10	2332.	0.1	0.1	0.0103
224	83.00	8	3390.	0.2	0.2	0.0149
225	81.00	12	7646.	0.4	0.4	0.0336
226	80.00	14	20213.	1.1	1.1	0.0889*
227	79.00	17	92720.	5.3	5.3	0.4079
228	78.00	21	115696.	6.6	6.6	0.5090*
229	77.00	25	318432.	18.1	18.1	1.4009*
230	76.00	17	41330.	2.4	2.4	0.1818
231	75.00	17	47912.	2.7	2.7	0.2108
232	74.00	12	10063.	0.6	0.6	0.0443
233	73.00	8	4425.	0.3	0.3	0.0195
234	72.00	6	14594.	0.8	0.8	0.0642
235	71.00	17	11775.	0.7	0.7	0.0518*
236	70.00	14	25980.	1.5	1.5	0.1143*
237	69.00	35	1545728.	87.9	87.9	6.8002*
238	68.00	8	5118.	0.3	0.3	0.0225
239	67.00	17	38483.	2.2	2.2	0.1693
240	66.00	17	36123.	2.1	2.1	0.1589*
241	65.00	21	152776.	8.7	8.7	0.6721*
242	64.00	17	44001.	2.5	2.5	0.1936*
243	63.00	25	91932.	5.2	5.2	0.4044*
244	62.00	10	15874.	0.9	0.9	0.0698*
245	61.00	8	5206.	0.3	0.3	0.0229
246	59.00	8	2215.	0.1	0.1	0.0097
247	58.00	6	7641.	0.4	0.4	0.0336
248	57.00	8	3658.	0.2	0.2	0.0161
249	56.00	8	8744.	0.5	0.5	0.0385
250	55.00	17	61878.	3.5	3.5	0.2722*
251	54.00	12	23923.	1.4	1.4	0.1052*
252	53.00	21	99956.	5.7	5.7	0.4397
253	52.00	17	65432.	3.7	3.7	0.2879*
254	51.00	21	188416.	10.7	10.7	0.8289
255	50.00	17	84064.	4.8	4.8	0.3698
256	49.00	6	1860.	0.1	0.1	0.0082
257	47.00	12	18748.	1.1	1.1	0.0825*
258	45.00	14	27904.	1.6	1.6	0.1228
259	44.00	29	95168.	5.4	5.4	0.4187*
260	43.00	43	1758656.	100.0	100.0	7.7369*
261	42.00	21	75468.	4.3	4.3	0.3320*
262	41.00	29	907648.	51.6	51.6	3.9930
263	40.00	17	42986.	2.4	2.4	0.1891
264	39.00	25	344832.	19.6	19.6	1.5170*
265	38.00	17	21458.	1.2	1.2	0.0944*
266	37.00	8	7591.	0.4	0.4	0.0334
267	36.00	14	15401.	0.9	0.9	0.0678


G186.1 [TIC=27738112, 100%=3715456] EI
4-n-butylaniline, di-(trifluoroacetamide)
O
N-(C-CF3)2
CH2-(CH2)2-CH3
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
41
51
69
78
91
103
132
154
175
203
270
298
341
50
100
150
200
250
300
350
m/z

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	343.00	12	31970.	0.9	0.9	0.1153
2	342.00	21	241312.	6.5	6.5	0.8700
3	341.00	35	1675136.	45.1	45.1	6.0391
4	340.00	10	6735.	0.2	0.2	0.0243
5	339.00	6	1497.	0.0	0.0	0.0054
6	337.00	8	1550.	0.0	0.0	0.0056
7	330.00	8	1754.	0.0	0.0	0.0063
8	328.00	8	875.	0.0	0.0	0.0032
9	326.00	8	2912.	0.1	0.1	0.0105
10	322.00	10	5499.	0.1	0.1	0.0198
11	313.00	8	5446.	0.1	0.1	0.0196
12	312.00	12	33106.	0.9	0.9	0.1194
13	311.00	8	12911.	0.3	0.3	0.0465
14	301.00	8	3646.	0.1	0.1	0.0131
15	300.00	14	43076.	1.2	1.2	0.1553
16	299.00	25	452432.	12.2	12.2	1.6311*
17	298.00	51	3715456.	100.0	100.0	*13.39*
18	297.00	21	21946.	0.6	0.6	0.0791*
19	296.00	8	3127.	0.1	0.1	0.0113
20	295.00	12	3008.	0.1	0.1	0.0108*
21	285.00	12	22783.	0.6	0.6	0.0821
22	283.00	14	3247.	0.1	0.1	0.0117
23	281.00	6	1097.	0.0	0.0	0.0040
24	280.00	6	571.	0.0	0.0	0.0021
25	275.00	10	8694.	0.2	0.2	0.0313
26	274.00	14	68844.	1.9	1.9	0.2482
27	273.00	8	2738.	0.1	0.1	0.0099
28	272.00	12	24906.	0.7	0.7	0.0898
29	271.00	17	61813.	1.7	1.7	0.2228
30	270.00	25	560928.	15.1	15.1	2.0222*
31	269.00	10	5711.	0.2	0.2	0.0206*
32	268.00	10	3295.	0.1	0.1	0.0119*
33	263.00	6	1850.	0.0	0.0	0.0067
34	262.00	10	5817.	0.2	0.2	0.0210
35	261.00	25	30302.	0.8	0.8	0.1092*
36	260.00	25	37586.	1.0	1.0	0.1355*
37	259.00	8	4235.	0.1	0.1	0.0153
38	257.00	12	2007.	0.1	0.1	0.0072
39	251.00	8	1481.	0.0	0.0	0.0053
40	250.00	8	2800.	0.1	0.1	0.0101
41	246.00	8	1997.	0.1	0.1	0.0072
42	245.00	14	33071.	0.9	0.9	0.1192
43	244.00	14	26333.	0.7	0.7	0.0949*
44	243.00	8	4410.	0.1	0.1	0.0159
45	242.00	8	3355.	0.1	0.1	0.0121
46	240.00	6	1493.	0.0	0.0	0.0054
47	238.00	10	6774.	0.2	0.2	0.0244
48	230.00	8	4082.	0.1	0.1	0.0147
49	229.00	14	28469.	0.8	0.8	0.1026
50	228.00	17	130832.	3.5	3.5	0.4717
51	227.00	10	11887.	0.3	0.3	0.0429
52	226.00	10	11449.	0.3	0.3	0.0413
53	224.00	6	2198.	0.1	0.1	0.0079
54	222.00	8	1006.	0.0	0.0	0.0036
55	221.00	6	1532.	0.0	0.0	0.0055

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PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	220.00	12	18923.	0.5	0.5	0.0682
57	219.00	8	1905.	0.1	0.1	0.0069
58	218.00	8	7740.	0.2	0.2	0.0279
59	217.00	12	19049.	0.5	0.5	0.0687*
60	216.00	14	28152.	0.8	0.8	0.1015
61	215.00	12	11702.	0.3	0.3	0.0422
62	214.00	12	19961.	0.5	0.5	0.0720
63	212.00	8	3375.	0.1	0.1	0.0122
64	210.00	8	4171.	0.1	0.1	0.0150
65	205.00	17	37836.	1.0	1.0	0.1364*
66	204.00	29	317712.	8.6	8.6	1.1454*
67	203.00	35	1589312.	42.8	42.8	5.7297*
68	202.00	25	419216.	11.3	11.3	1.5113*
69	201.00	10	6470.	0.2	0.2	0.0233*
70	200.00	17	44153.	1.2	1.2	0.1592
71	199.00	10	5573.	0.1	0.1	0.0201
72	198.00	17	37299.	1.0	1.0	0.1345*
73	196.00	6	1002.	0.0	0.0	0.0036
74	193.00	8	1040.	0.0	0.0	0.0037
75	192.00	8	2948.	0.1	0.1	0.0106
76	191.00	6	1186.	0.0	0.0	0.0043
77	190.00	8	7698.	0.2	0.2	0.0278
78	189.00	8	6829.	0.2	0.2	0.0246
79	188.00	17	82792.	2.2	2.2	0.2985
80	187.00	8	6508.	0.2	0.2	0.0235
81	186.00	14	35015.	0.9	0.9	0.1262
82	185.00	17	86860.	2.3	2.3	0.3131*
83	184.00	10	2273.	0.1	0.1	0.0082
84	183.00	6	1862.	0.1	0.1	0.0067
85	182.00	12	22986.	0.6	0.6	0.0829
86	181.00	10	5437.	0.1	0.1	0.0196
87	179.00	8	1299.	0.0	0.0	0.0047
88	178.00	14	29599.	0.8	0.8	0.1067
89	177.00	8	1573.	0.0	0.0	0.0057
90	176.00	14	46879.	1.2	1.2	0.1661
91	175.00	29	525920.	14.2	14.2	1.8960*
92	174.00	10	10746.	0.3	0.3	0.0387*
93	173.00	10	5898.	0.2	0.2	0.0213
94	172.00	12	22012.	0.6	0.6	0.0794
95	171.00	6	5540.	0.1	0.1	0.0200
96	170.00	8	4703.	0.1	0.1	0.0170
97	169.00	6	2834.	0.1	0.1	0.0102
98	168.00	14	29440.	0.8	0.8	0.1061
99	167.00	8	1897.	0.1	0.1	0.0068
100	166.00	10	6272.	0.2	0.2	0.0226
101	165.00	6	583.	0.0	0.0	0.0021
102	164.00	12	28028.	0.8	0.8	0.1010
103	163.00	8	2043.	0.1	0.1	0.0074
104	162.00	8	2243.	0.1	0.1	0.0081
105	161.00	8	3694.	0.1	0.1	0.0133
106	160.00	12	21063.	0.6	0.6	0.0759
107	159.00	12	17997.	0.5	0.5	0.0649
108	158.00	14	35061.	0.9	0.9	0.1264
109	157.00	10	7139.	0.2	0.2	0.0257
110	156.00	10	18864.	0.5	0.5	0.0690

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PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	155.00	17	61476.	1.7	1.7	0.2216*
112	154.00	29	451376.	12.1	12.1	1.6273*
113	153.00	8	8620.	0.2	0.2	0.0311
114	152.00	12	11203.	0.3	0.3	0.0407*
115	151.00	21	31966.	0.9	0.9	0.1152*
116	150.00	17	28750.	0.8	0.8	0.1036*
117	149.00	8	5244.	0.1	0.1	0.0189
118	148.00	10	10071.	0.3	0.3	0.0363
119	147.00	12	29887.	0.8	0.8	0.1077
120	146.00	17	99372.	2.7	2.7	0.3583
121	145.00	17	106264.	2.9	2.9	0.3831
122	144.00	10	21749.	0.6	0.6	0.0784*
123	143.00	8	2797.	0.1	0.1	0.0101
124	142.00	6	5441.	0.1	0.1	0.0196
125	141.00	10	6514.	0.2	0.2	0.0235
126	140.00	17	24414.	0.7	0.7	0.0880*
127	139.00	21	16896.	0.5	0.5	0.0609*
128	138.00	29	28481.	0.8	0.8	0.1027*
129	137.00	8	8893.	0.2	0.2	0.0321
130	135.00	12	18710.	0.5	0.5	0.0675
131	134.00	17	53368.	1.4	1.4	0.1924
132	133.00	25	308048.	8.3	8.3	1.1106*
133	132.00	43	2329024.	62.7	62.7	8.3965*
134	131.00	17	46968.	1.3	1.3	0.1693*
135	130.00	17	63931.	1.7	1.7	0.2305*
136	129.00	14	33707.	0.9	0.9	0.1216*
137	128.00	21	146036.	3.9	3.9	0.5265
138	127.00	17	77080.	2.1	2.1	0.2779
139	126.00	8	2365.	0.1	0.1	0.0085
140	124.00	6	2041.	0.1	0.1	0.0074
141	123.00	10	2646.	0.1	0.1	0.0095
142	122.00	14	29169.	0.8	0.8	0.1052
143	121.00	12	23834.	0.6	0.6	0.0859
144	120.00	14	30351.	0.8	0.8	0.1094
145	119.00	21	84264.	2.3	2.3	0.3038*
146	118.00	17	69776.	1.9	1.9	0.2516
147	117.00	21	113944.	3.1	3.1	0.4108*
148	116.00	21	186344.	5.0	5.0	0.6718
149	115.00	21	126964.	3.4	3.4	0.4577
150	114.00	12	14133.	0.4	0.4	0.0510
151	113.00	8	7973.	0.2	0.2	0.0287*
152	112.00	8	1524.	0.0	0.0	0.0055
153	110.00	12	18417.	0.5	0.5	0.0664
154	109.00	21	216148.	5.8	5.8	0.7792
155	108.00	12	25114.	0.7	0.7	0.0905*
156	107.00	21	191488.	5.2	5.2	0.6903
157	106.00	17	44891.	1.2	1.2	0.1618
158	105.00	17	80340.	2.2	2.2	0.2396
159	104.00	21	239900.	6.5	6.5	0.8649*
160	103.00	21	352816.	9.5	9.5	1.2720
161	102.00	21	118604.	3.2	3.2	0.4276
162	101.00	17	38423.	1.0	1.0	0.1385
163	100.00	6	1288.	0.0	0.0	0.0046
164	99.00	8	1581.	0.0	0.0	0.0057
165	98.00	8	1369.	0.0	0.0	0.0049

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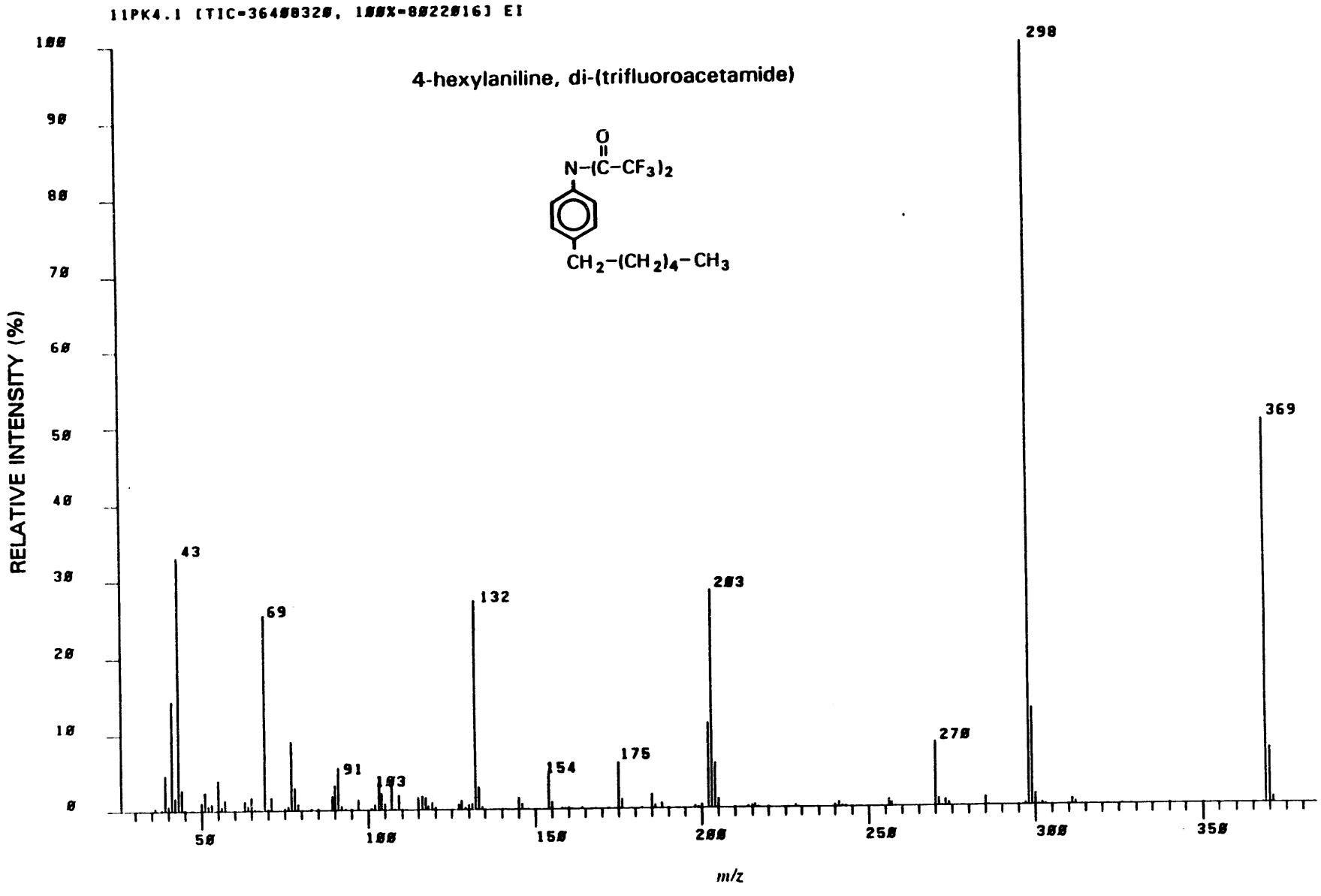
PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
166	97.00	21	121268.	3.3	3.3	0.4372
167	96.00	8	10589.	0.3	0.3	0.0382*
168	95.00	12	18945.	0.5	0.5	0.0683*
169	94.00	8	2662.	0.1	0.1	0.0096
170	93.00	14	27792.	0.7	0.7	0.1002
171	92.00	21	70920.	1.9	1.9	0.2557
172	91.00	25	561360.	15.1	15.1	2.0238*
173	90.00	25	340752.	9.2	9.2	1.2285
174	89.00	25	230544.	6.2	6.2	0.8311*
175	88.00	14	22983.	0.6	0.6	0.0829*
176	87.00	8	9458.	0.3	0.3	0.0341
177	86.00	12	5961.	0.2	0.2	0.0215
178	85.00	10	3929.	0.1	0.1	0.0142
179	84.00	8	1865.	0.1	0.1	0.0067
180	83.00	17	55625.	1.5	1.5	0.2005*
181	82.00	8	2472.	0.1	0.1	0.0089
182	81.00	8	1774.	0.0	0.0	0.0064
183	80.00	12	8242.	0.2	0.2	0.0297
184	79.00	17	75604.	2.0	2.0	0.2726
185	78.00	25	348672.	9.4	9.4	1.2578
186	77.00	29	1057856.	28.5	28.5	3.8137*
187	76.00	21	109116.	2.9	2.9	0.3934
188	75.00	17	54468.	1.5	1.5	0.1964
189	74.00	12	18437.	0.5	0.5	0.0665*
190	73.00	12	4468.	0.1	0.1	0.0161
191	72.00	17	38980.	1.0	1.0	0.1405*
192	69.00	35	2891328.	77.8	77.8	*10.42*
193	68.00	8	1379.	0.0	0.0	0.0050
194	67.00	14	14871.	0.4	0.4	0.0536*
195	66.00	17	29454.	0.8	0.8	0.1062*
196	65.00	25	234412.	6.3	6.3	0.8451
197	64.00	25	120156.	3.2	3.2	0.4332*
198	63.00	25	212436.	5.7	5.7	0.7659*
199	62.00	17	43200.	1.2	1.2	0.1557
200	61.00	6	5334.	0.1	0.1	0.0192
201	60.00	6	416.	0.0	0.0	0.0015
202	59.00	10	10325.	0.3	0.3	0.0372
203	58.00	12	16274.	0.4	0.4	0.0587
204	57.00	35	374256.	10.1	10.1	1.3492*
205	56.00	17	29939.	0.8	0.8	0.1079
206	55.00	21	105832.	2.8	2.8	0.3815
207	54.00	14	28191.	0.8	0.8	0.1016
208	53.00	25	92748.	2.5	2.5	0.3344
209	52.00	25	130112.	3.5	3.5	0.4691*
210	51.00	25	398384.	10.7	10.7	1.4362
211	50.00	25	169844.	4.6	4.6	0.6123
212	47.00	12	23115.	0.6	0.6	0.0833
213	46.00	6	1740.	0.0	0.0	0.0063
214	45.00	10	9079.	0.2	0.2	0.0327
215	44.00	29	76468.	2.1	2.1	0.2757*
216	43.00	35	569696.	15.3	15.3	2.0538*
217	42.00	21	67976.	1.8	1.8	0.2451
218	41.00	25	1054912.	28.4	28.4	3.8031
219	40.00	25	79736.	2.1	2.1	0.2875*
220	39.00	25	523008.	14.1	14.1	1.8855*

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
221	38.00	25	60857.	1.6	1.6	0.2194*
222	37.00	10	13360.	0.4	0.4	0.0482*
223	36.00	12	29401.	0.8	0.8	0.1060
224	35.00	8	2984.	0.1	0.1	0.0108


11PK4.1 [TIC=364#832#, 1##X=8#22#16] EI
4-hexylaniline, di-(trifluoroacetamide)
O
N–(C–CF3)2
CH2–(CH2)4–CH3
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
43
69
91
103
132
154
175
203
278
298
369
50
100
150
200
250
300
350
m/z

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	372.00	8	2647.	0.0	0.0	0.0073
2	371.00	14	74168.	0.9	0.9	0.2037*
3	370.00	21	592240.	7.4	7.4	1.6267*
4	369.00	35	4019584.	50.1	50.1	*11.04*
5	368.00	12	15127.	0.2	0.2	0.0415*
6	367.00	10	3481.	0.0	0.0	0.0096*
7	363.00	6	1240.	0.0	0.0	0.0034
8	351.00	6	937.	0.0	0.0	0.0026
9	350.00	8	9923.	0.1	0.1	0.0273
10	340.00	8	13644.	0.2	0.2	0.0375
11	327.00	8	2378.	0.0	0.0	0.0065
12	326.00	8	15088.	0.2	0.2	0.0414
13	325.00	6	3481.	0.0	0.0	0.0096
14	313.00	8	3874.	0.0	0.0	0.0106
15	312.00	10	45796.	0.6	0.6	0.1258
16	311.00	12	66956.	0.8	0.8	0.1839
17	309.00	6	1127.	0.0	0.0	0.0031
18	304.00	8	1867.	0.0	0.0	0.0051
19	303.00	10	15174.	0.2	0.2	0.0417
20	302.00	14	34481.	0.4	0.4	0.0947*
21	301.00	10	17459.	0.2	0.2	0.0480*
22	300.00	17	131976.	1.6	1.6	0.3625*
23	299.00	21	1027040.	12.8	12.8	2.8209*
24	298.00	51	8022016.	100.0	100.0	*22.03*
25	297.00	17	31697.	0.4	0.4	0.0868*
26	296.00	8	2474.	0.0	0.0	0.0068
27	294.00	6	749.	0.0	0.0	0.0021
28	288.00	8	851.	0.0	0.0	0.0023
29	287.00	6	2991.	0.0	0.0	0.0082
30	286.00	6	6715.	0.1	0.1	0.0184
31	285.00	14	96248.	1.2	1.2	0.2644*
32	284.00	8	2149.	0.0	0.0	0.0059
33	283.00	8	1681.	0.0	0.0	0.0046
34	282.00	8	1488.	0.0	0.0	0.0041
35	278.00	8	1573.	0.0	0.0	0.0043
36	275.00	14	4523.	0.1	0.1	0.0124*
37	274.00	12	44528.	0.6	0.6	0.1223
38	273.00	12	78124.	1.0	1.0	0.2146
39	272.00	12	15703.	0.2	0.2	0.0431
40	271.00	14	86540.	1.1	1.1	0.2377
41	270.00	17	685408.	8.5	8.5	1.8826
42	268.00	6	1607.	0.0	0.0	0.0044
43	267.00	8	1575.	0.0	0.0	0.0043
44	258.00	10	6874.	0.1	0.1	0.0189
45	257.00	10	49409.	0.6	0.6	0.1357
46	256.00	12	83572.	1.0	1.0	0.2295
47	255.00	10	2345.	0.0	0.0	0.0064
48	254.00	6	1258.	0.0	0.0	0.0035
49	246.00	6	560.	0.0	0.0	0.0015
50	243.00	12	16023.	0.2	0.2	0.0440*
51	242.00	10	24666.	0.3	0.3	0.0677*
52	241.00	25	57672.	0.7	0.7	0.1584*
53	240.00	12	30195.	0.4	0.4	0.0829*
54	231.00	10	5456.	0.1	0.1	0.0150
55	230.00	10	2657.	0.0	0.0	0.0073

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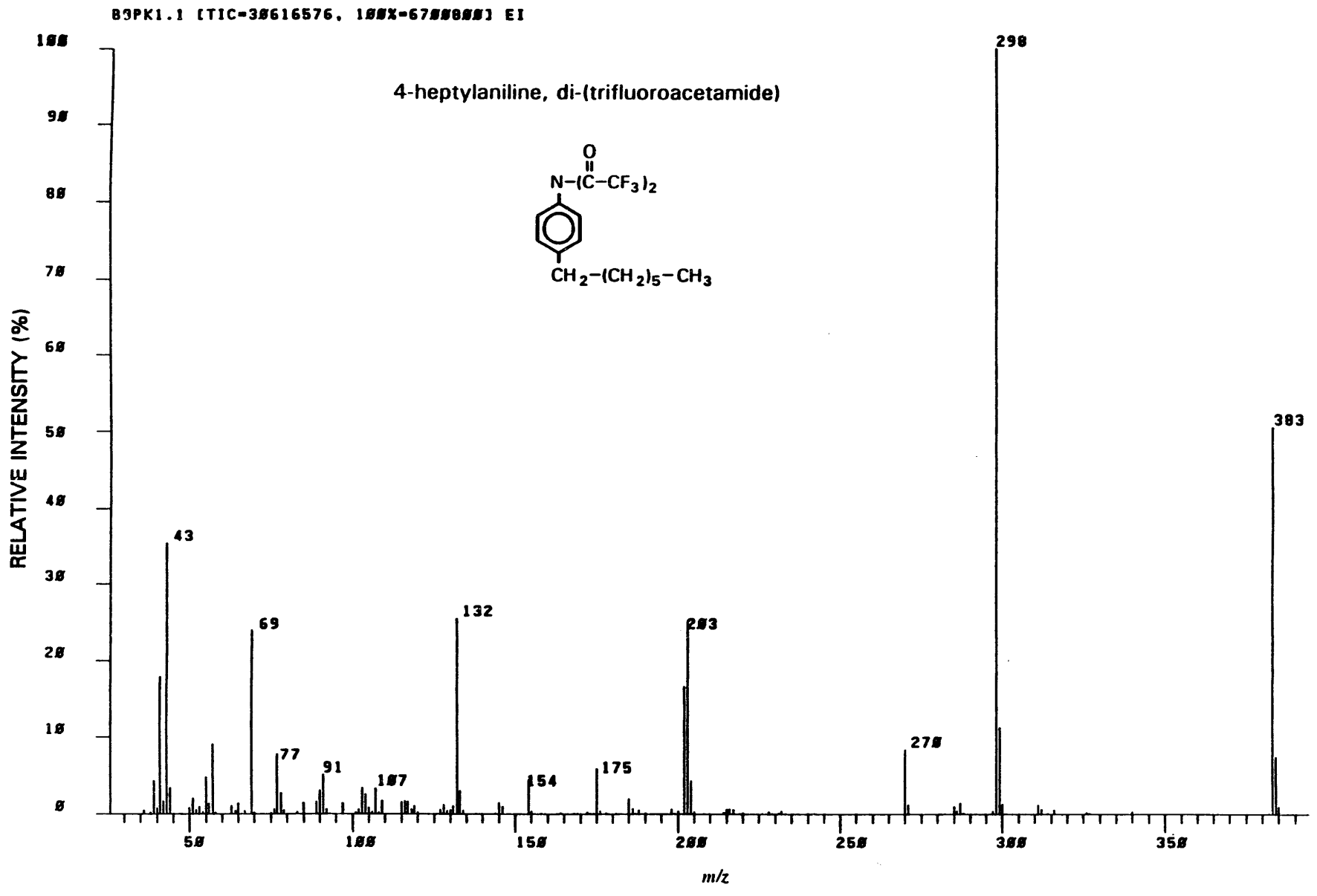
PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	229.00	8	10002.	0.1	0.1	0.0275
57	228.00	10	29422.	0.4	0.4	0.0808
58	227.00	8	5978.	0.1	0.1	0.0164*
59	226.00	10	6764.	0.1	0.1	0.0186
60	225.00	8	1633.	0.0	0.0	0.0045
61	223.00	6	1274.	0.0	0.0	0.0035
62	221.00	8	1026.	0.0	0.0	0.0028
63	220.00	10	13789.	0.2	0.2	0.0379
64	218.00	10	4536.	0.1	0.1	0.0125
65	217.00	10	18686.	0.2	0.2	0.0513
66	216.00	10	46012.	0.6	0.6	0.1264*
67	215.00	8	27817.	0.3	0.3	0.0764
68	214.00	8	21500.	0.3	0.3	0.0591
69	213.00	12	6853.	0.1	0.1	0.0188*
70	212.00	14	3425.	0.0	0.0	0.0094*
71	211.00	6	1027.	0.0	0.0	0.0028
72	210.00	8	6425.	0.1	0.1	0.0176
73	207.00	6	1276.	0.0	0.0	0.0035
74	206.00	8	7341.	0.1	0.1	0.0202
75	205.00	12	108700.	1.4	1.4	0.2986
76	204.00	21	480144.	6.0	6.0	1.3188*
77	203.00	35	2280640.	28.4	28.4	6.2641*
78	202.00	25	903472.	11.3	11.3	2.4815*
79	201.00	10	13003.	0.2	0.2	0.0357*
80	200.00	12	43691.	0.5	0.5	0.1200*
81	199.00	8	23002.	0.3	0.3	0.0632
82	198.00	10	31135.	0.4	0.4	0.0855
83	194.00	8	5142.	0.1	0.1	0.0141
84	192.00	6	1119.	0.0	0.0	0.0031
85	191.00	8	4733.	0.1	0.1	0.0130
86	190.00	8	10439.	0.1	0.1	0.0287
87	189.00	6	1525.	0.0	0.0	0.0042
88	188.00	12	61944.	0.8	0.8	0.1701*
89	187.00	8	6577.	0.1	0.1	0.0181
90	186.00	12	42244.	0.5	0.5	0.1160
91	185.00	14	158676.	2.0	2.0	0.4358
92	183.00	8	4469.	0.1	0.1	0.0123
93	182.00	10	17361.	0.2	0.2	0.0477
94	181.00	6	1532.	0.0	0.0	0.0042
95	180.00	6	1046.	0.0	0.0	0.0029
96	179.00	8	7206.	0.1	0.1	0.0198
97	178.00	8	5386.	0.1	0.1	0.0148
98	177.00	8	1052.	0.0	0.0	0.0029
99	176.00	12	112152.	1.4	1.4	0.3080
100	175.00	17	496112.	6.2	6.2	1.3626*
101	174.00	10	6797.	0.1	0.1	0.0187
102	173.00	10	2946.	0.0	0.0	0.0081
103	172.00	10	14761.	0.2	0.2	0.6405
104	171.00	10	1815.	0.0	0.0	0.0050
105	169.00	12	6092.	0.1	0.1	0.0167*
106	168.00	10	11343.	0.1	0.1	0.0312
107	167.00	10	7732.	0.1	0.1	0.0212*
108	166.00	6	1855.	0.0	0.0	0.0051
109	164.00	10	26174.	0.3	0.3	0.0719
110	162.00	8	1756.	0.0	0.0	0.0048

PAGE 3

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	161.00	8	14599.	0.2	0.2	0.0401
112	160.00	12	22584.	0.3	0.3	0.0628*
113	159.00	8	14323.	0.2	0.2	0.0393
114	158.00	10	20201.	0.3	0.3	0.0555
115	157.00	10	4993.	0.1	0.1	0.0137
116	156.00	8	1413.	0.0	0.0	0.0039
117	155.00	12	82704.	1.0	1.0	0.2272*
118	154.00	17	376048.	4.7	4.7	1.0329*
119	153.00	6	6198.	0.1	0.1	0.0170
120	152.00	6	2860.	0.0	0.0	0.0079
121	151.00	8	7001.	0.1	0.1	0.0192
122	150.00	6	4123.	0.1	0.1	0.0113
123	148.00	8	9715.	0.1	0.1	0.0267
124	147.00	10	10847.	0.1	0.1	0.0298
125	146.00	12	64587.	0.8	0.8	0.1774
126	145.00	17	133244.	1.7	1.7	0.3660*
127	144.00	10	11880.	0.1	0.1	0.0326*
128	143.00	14	3873.	0.0	0.0	0.0106*
129	142.00	8	793.	0.0	0.0	0.0022
130	141.00	10	8125.	0.1	0.1	0.0223*
131	140.00	12	8497.	0.1	0.1	0.0233*
132	139.00	17	10764.	0.1	0.1	0.0296*
133	138.00	10	11136.	0.1	0.1	0.0306*
134	137.00	6	995.	0.0	0.0	0.0027
135	135.00	8	5674.	0.1	0.1	0.0156
136	134.00	10	34748.	0.4	0.4	0.0954
137	133.00	17	245776.	3.1	3.1	0.6751
138	132.00	25	2185280.	27.2	27.2	6.0021*
139	131.00	12	71800.	0.9	0.9	0.1972
140	130.00	12	58515.	0.7	0.7	0.1607
141	129.00	10	30985.	0.4	0.4	0.0851
142	128.00	14	105484.	1.3	1.3	0.2897*
143	127.00	12	62773.	0.8	0.8	0.1724
144	126.00	6	635.	0.0	0.0	0.0017
145	121.00	6	1374.	0.0	0.0	0.0038
146	120.00	12	28602.	0.4	0.4	0.0788*
147	119.00	14	79216.	1.0	1.0	0.2176*
148	118.00	12	52759.	0.7	0.7	0.1449*
149	117.00	17	140340.	1.7	1.7	0.3855
150	116.00	17	150804.	1.9	1.9	0.4142
151	115.00	17	136456.	1.7	1.7	0.3748
152	114.00	8	1228.	0.0	0.0	0.0034
153	112.00	6	719.	0.0	0.0	0.0020
154	110.00	8	10420.	0.1	0.1	0.0286
155	109.00	17	165708.	2.1	2.1	0.4551
156	108.00	8	17780.	0.2	0.2	0.0488
157	107.00	17	251740.	3.1	3.1	0.6914
158	106.00	8	16546.	0.2	0.2	0.0454
159	105.00	12	71376.	0.9	0.9	0.1960
160	104.00	17	185000.	2.3	2.3	0.5081
161	103.00	17	305200.	3.8	3.8	0.8383
162	102.00	12	64674.	0.8	0.8	0.1776
163	101.00	8	22599.	0.3	0.3	0.0621
164	97.00	17	114660.	1.4	1.4	0.3149
165	96.00	8	5855.	0.1	0.1	0.0161

PAGE 4

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
166	95.00	10	14520.	0.2	0.2	0.0399
167	93.00	8	20879.	0.3	0.3	0.0573
168	92.00	12	51619.	0.6	0.6	0.1418*
169	91.00	17	455008.	5.7	5.7	1.2497
170	90.00	17	270416.	3.4	3.4	0.7427
171	89.00	17	155060.	1.9	1.9	0.4259
172	88.00	6	3363.	0.0	0.0	0.0092
173	87.00	6	2313.	0.0	0.0	0.0064
174	85.00	12	26262.	0.3	0.3	0.0721
175	84.00	8	669.	0.0	0.0	0.0018
176	83.00	10	26386.	0.3	0.3	0.0725
177	82.00	6	1461.	0.0	0.0	0.0040
178	81.00	8	2797.	0.0	0.0	0.0077
179	80.00	6	1578.	0.0	0.0	0.0043
180	79.00	14	68412.	0.9	0.9	0.1879
181	78.00	21	246624.	3.1	3.1	0.6774*
182	77.00	21	728800.	9.1	9.1	2.0017
183	76.00	12	48368.	0.6	0.6	0.1328
184	75.00	10	30426.	0.4	0.4	0.0836*
185	74.00	8	2957.	0.0	0.0	0.0081
186	72.00	8	2643.	0.0	0.0	0.0073
187	71.00	17	140612.	1.8	1.8	0.3868
188	70.00	10	22574.	0.3	0.3	0.0620*
189	69.00	29	2050240.	25.6	25.6	5.6312*
190	68.00	8	6438.	0.1	0.1	0.0177
191	67.00	10	12687.	0.2	0.2	0.0348
192	66.00	12	26322.	0.3	0.3	0.0723*
193	65.00	17	143496.	1.8	1.8	0.3941
194	64.00	14	54581.	0.7	0.7	0.1499
195	63.00	17	101684.	1.3	1.3	0.2793*
196	62.00	8	2466.	0.0	0.0	0.0068
197	57.00	17	117756.	1.5	1.5	0.3234
198	56.00	12	50414.	0.6	0.6	0.1385
199	55.00	17	328752.	4.1	4.1	0.9030*
200	54.00	8	3950.	0.0	0.0	0.0108
201	53.00	12	77880.	1.0	1.0	0.2139
202	52.00	12	55083.	0.7	0.7	0.1513
203	51.00	17	200160.	2.5	2.5	0.5498
204	50.00	17	90012.	1.1	1.1	0.2472
205	47.00	8	6934.	0.1	0.1	0.0190
206	45.00	10	14245.	0.2	0.2	0.0391*
207	44.00	29	227836.	2.8	2.8	0.6258*
208	43.00	29	2658048.	33.1	33.1	7.3007*
209	42.00	17	144496.	1.8	1.8	0.3969
210	41.00	21	1159104.	14.4	14.4	3.1836
211	40.00	17	59824.	0.7	0.7	0.1643*
212	39.00	21	383920.	4.8	4.8	1.0545*
213	38.00	10	20382.	0.3	0.3	0.0560*
214	37.00	8	4833.	0.1	0.1	0.0133
215	36.00	12	38134.	0.5	0.5	0.1047
216	35.00	6	508.	0.0	0.0	0.0014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4-heptylaniline, di-(trifluoroacetamide)
O
N-(C-CF3)2
CH2-(CH2)5-CH3
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
43
69
77
91
107
132
154
175
203
275
298
303
50
100
150
200
250
300
350
m/z

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	386.00	8	3402.	0.1	0.1	0.0111
2	385.00	14	68160.	1.0	1.0	0.2226
3	384.00	21	501200.	7.5	7.5	1.6370
4	383.00	35	3385984.	50.5	50.5	*11.06*
5	382.00	10	15210.	0.2	0.2	0.0497*
6	381.00	8	5007.	0.1	0.1	0.0164
7	364.00	8	2040.	0.0	0.0	0.0093
8	354.00	8	2360.	0.0	0.0	0.0077
9	341.00	6	2266.	0.0	0.0	0.0074
10	340.00	10	26526.	0.4	0.4	0.0866
11	339.00	6	1192.	0.0	0.0	0.0039
12	331.00	6	1184.	0.0	0.0	0.0039
13	327.00	8	8906.	0.1	0.1	0.0291
14	326.00	10	18010.	0.3	0.3	0.0589
15	316.00	10	43062.	0.7	0.7	0.1433
16	314.00	10	11530.	0.2	0.2	0.0377
17	313.00	8	5473.	0.1	0.1	0.0179
18	312.00	10	50354.	0.8	0.8	0.1645
19	311.00	12	80156.	1.3	1.3	0.2079
20	301.00	8	10362.	0.2	0.2	0.0338
21	300.00	14	92012.	1.4	1.4	0.3005*
22	299.00	21	754336.	11.3	11.3	2.4630*
23	298.00	43	6700000.	100.0	100.0	*21.80*
24	297.00	17	33397.	0.5	0.5	0.1091*
25	296.00	12	2445.	0.0	0.0	0.0080
26	288.00	10	16451.	0.2	0.2	0.0537
27	287.00	14	103444.	1.5	1.5	0.3379
28	286.00	12	38618.	0.6	0.6	0.1261
29	285.00	12	66420.	1.0	1.0	0.2169
30	283.00	8	3040.	0.0	0.0	0.0099
31	281.00	6	981.	0.0	0.0	0.0032
32	271.00	14	83080.	1.3	1.3	0.2740*
33	270.00	17	559776.	8.4	8.4	1.8283*
34	269.00	8	2316.	0.0	0.0	0.0076
35	268.00	8	1169.	0.0	0.0	0.0038
36	257.00	8	3102.	0.0	0.0	0.0101
37	244.00	8	2642.	0.0	0.0	0.0086
38	243.00	10	2315.	0.0	0.0	0.0076
39	242.00	8	7288.	0.1	0.1	0.0238
40	240.00	10	6313.	0.1	0.1	0.0206
41	234.00	8	2241.	0.0	0.0	0.0073
42	233.00	14	8748.	0.1	0.1	0.0286*
43	232.00	17	29790.	0.4	0.4	0.0973*
44	231.00	12	16051.	0.2	0.2	0.0524*
45	230.00	8	3657.	0.1	0.1	0.0119
46	229.00	8	6235.	0.1	0.1	0.0204
47	228.00	10	23946.	0.4	0.4	0.0782
48	227.00	8	1550.	0.0	0.0	0.0051
49	226.00	8	6904.	0.1	0.1	0.0225
50	221.00	6	2093.	0.0	0.0	0.0068
51	220.00	8	16032.	0.2	0.2	0.0524
52	219.00	8	7037.	0.1	0.1	0.0230
53	218.00	6	4155.	0.1	0.1	0.0136
54	217.00	12	43416.	0.6	0.6	0.1418*
55	216.00	12	50612.	0.8	0.8	0.1653

PAGE 2

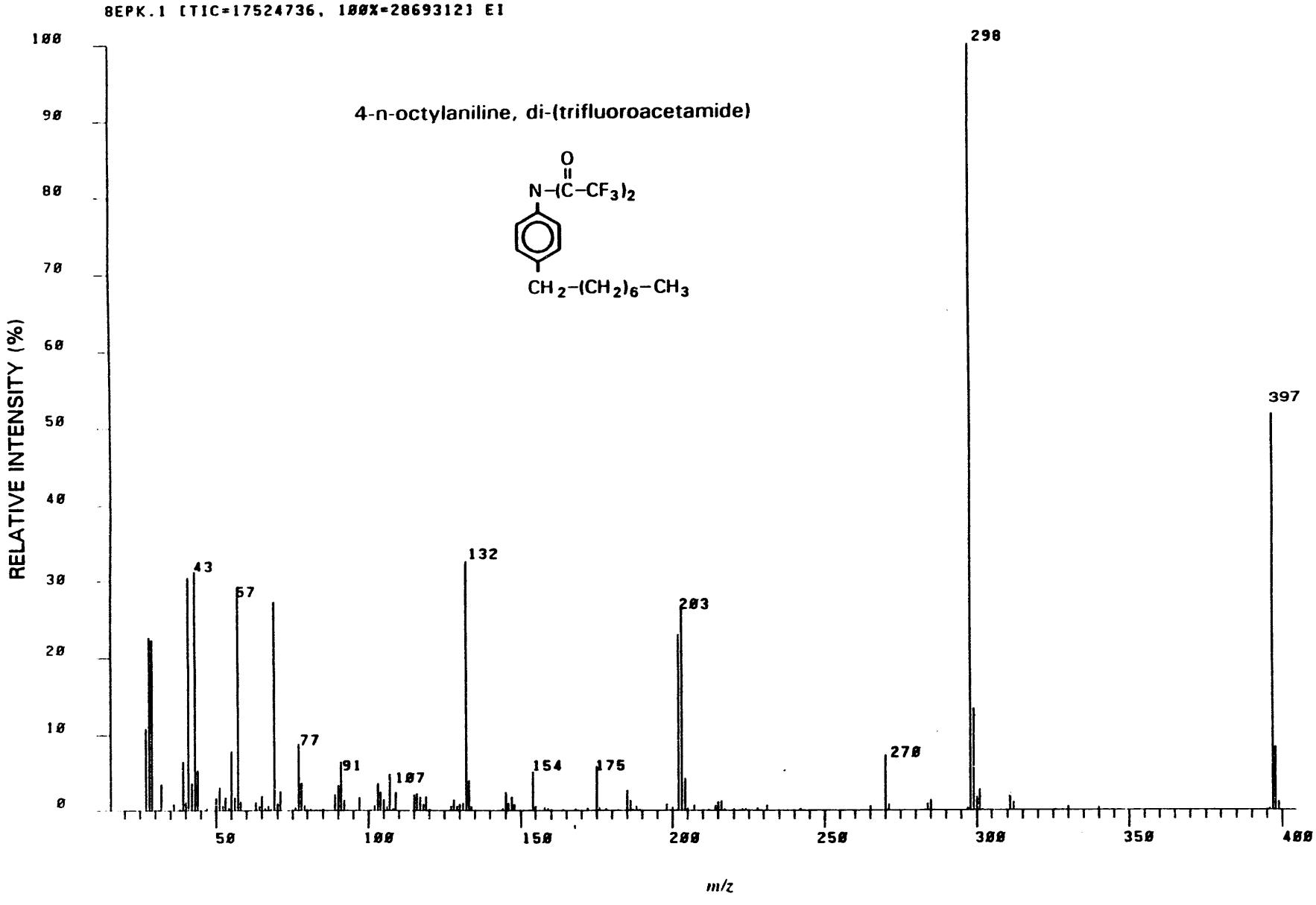
PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	215.00	10	45787.	0.7	0.7	0.1495
57	214.00	10	17500.	0.3	0.3	0.0572
58	212.00	8	2833.	0.0	0.0	0.0093
59	205.00	10	25215.	0.4	0.4	0.0824
60	204.00	17	292200.	4.4	4.4	0.9544*
61	203.00	25	1672640.	25.0	25.0	5.4632*
62	202.00	25	1100224.	16.5	16.5	3.6197*
63	201.00	8	6633.	0.1	0.1	0.0217
64	200.00	10	32613.	0.5	0.5	0.1065
65	199.00	8	7919.	0.1	0.1	0.0259
66	198.00	12	50406.	0.8	0.8	0.1646
67	190.00	8	14102.	0.2	0.2	0.0463
68	189.00	8	6444.	0.1	0.1	0.0210
69	188.00	10	37693.	0.6	0.6	0.1231*
70	187.00	8	5523.	0.1	0.1	0.0180
71	186.00	12	54200.	0.8	0.8	0.1770
72	185.00	17	134000.	2.0	2.0	0.4377
73	182.00	8	8437.	0.1	0.1	0.0276
74	181.00	8	6711.	0.1	0.1	0.0219
75	179.00	6	903.	0.0	0.0	0.0029
76	178.00	10	15249.	0.2	0.2	0.0498
77	177.00	8	1355.	0.0	0.0	0.0044
78	176.00	12	32321.	0.5	0.5	0.1056
79	175.00	17	389744.	5.8	5.8	1.2730
80	174.00	8	7475.	0.1	0.1	0.0244
81	173.00	6	6685.	0.1	0.1	0.0218
82	172.00	8	18104.	0.3	0.3	0.0591
83	171.00	6	571.	0.0	0.0	0.0019
84	169.00	10	10413.	0.2	0.2	0.0340
85	168.00	10	7409.	0.1	0.1	0.0242
86	167.00	10	3447.	0.1	0.1	0.0113
87	166.00	6	1187.	0.0	0.0	0.0039
88	164.00	8	13193.	0.2	0.2	0.0431
89	160.00	6	2659.	0.0	0.0	0.0087
90	159.00	8	8111.	0.1	0.1	0.0265
91	158.00	10	15416.	0.2	0.2	0.0504
92	157.00	6	3210.	0.0	0.0	0.0105
93	156.00	10	7527.	0.1	0.1	0.0246
94	155.00	10	32062.	0.5	0.5	0.1047
95	154.00	17	302448.	4.5	4.5	0.9879
96	153.00	6	1421.	0.0	0.0	0.0046
97	152.00	8	4311.	0.1	0.1	0.0141
98	151.00	8	5692.	0.1	0.1	0.0186
99	150.00	8	1992.	0.0	0.0	0.0065
100	148.00	8	800.	0.0	0.0	0.0026
101	147.00	8	5010.	0.1	0.1	0.0164
102	146.00	14	68560.	1.0	1.0	0.2239*
103	145.00	14	105324.	1.6	1.6	0.3440
104	144.00	10	11954.	0.2	0.2	0.0390
105	143.00	8	4446.	0.1	0.1	0.0145
106	142.00	6	1389.	0.0	0.0	0.0045
107	140.00	12	3581.	0.1	0.1	0.0117*
108	139.00	8	5424.	0.1	0.1	0.0177
109	138.00	10	5429.	0.1	0.1	0.0177*
110	135.00	12	3417.	0.1	0.1	0.0112

PAGE 3

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	134.00	12	39253.	0.6	0.6	0.1282
112	133.00	17	200200.	3.1	3.1	0.6000
113	132.00	25	1702144.	25.4	25.4	5.5596*
114	131.00	14	75096.	1.1	1.1	0.2453
115	130.00	10	44531.	0.7	0.7	0.1454*
116	129.00	12	35869.	0.5	0.5	0.1172
117	128.00	14	85544.	1.3	1.3	0.2794
118	127.00	10	42877.	0.6	0.6	0.1400
119	121.00	10	3741.	0.1	0.1	0.0122
120	120.00	10	17422.	0.3	0.3	0.0569
121	119.00	14	77084.	1.2	1.2	0.2518
122	118.00	12	45496.	0.7	0.7	0.1486
123	117.00	14	112344.	1.7	1.7	0.3669
124	116.00	17	118004.	1.8	1.8	0.3854
125	115.00	14	106200.	1.6	1.6	0.3469
126	114.00	10	1914.	0.0	0.0	0.0063
127	113.00	8	1347.	0.0	0.0	0.0044
128	109.00	14	120020.	1.8	1.8	0.3920
129	108.00	8	21547.	0.3	0.3	0.0704*
130	107.00	17	225316.	3.4	3.4	0.7359
131	106.00	12	27615.	0.4	0.4	0.0902
132	105.00	14	55895.	0.8	0.8	0.1826*
133	104.00	17	176568.	2.6	2.6	0.5767
134	103.00	17	229268.	3.4	3.4	0.7488
135	102.00	12	45644.	0.7	0.7	0.1491
136	101.00	10	17647.	0.3	0.3	0.0576
137	100.00	10	4823.	0.1	0.1	0.0158
138	98.00	6	670.	0.0	0.0	0.0022
139	97.00	17	96052.	1.4	1.4	0.3137
140	96.00	6	4979.	0.1	0.1	0.0163
141	95.00	8	4742.	0.1	0.1	0.0155
142	94.00	6	719.	0.0	0.0	0.0023
143	93.00	8	8624.	0.1	0.1	0.0282
144	92.00	14	45441.	0.7	0.7	0.1484*
145	91.00	17	344000.	5.1	5.1	1.1238
146	90.00	17	210396.	3.1	3.1	0.6872
147	89.00	17	116152.	1.7	1.7	0.3794
148	88.00	6	1515.	0.0	0.0	0.0049
149	87.00	6	1064.	0.0	0.0	0.0035
150	86.00	8	1554.	0.0	0.0	0.0051
151	85.00	17	101904.	1.5	1.5	0.3328*
152	83.00	10	25309.	0.4	0.4	0.0827
153	82.00	10	4139.	0.1	0.1	0.0135
154	79.00	12	43294.	0.6	0.6	0.1414*
155	78.00	17	187052.	2.8	2.8	0.6110
156	77.00	17	517184.	7.7	7.7	1.6892
157	76.00	12	45442.	0.7	0.7	0.1484
158	75.00	10	12793.	0.2	0.2	0.0418
159	73.00	6	2058.	0.0	0.0	0.0067
160	71.00	8	3543.	0.1	0.1	0.0116
161	70.00	12	20784.	0.3	0.3	0.0679*
162	69.00	29	1603840.	23.9	23.9	5.2385*
163	68.00	8	1836.	0.0	0.0	0.0060
164	67.00	12	32184.	0.5	0.5	0.1051*
165	66.00	12	8122.	0.1	0.1	0.0265*

PAGE 4

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
166	65.00	17	94896.	1.4	1.4	0.3099
167	64.00	12	36073.	0.5	0.5	0.1178
168	63.00	17	71888.	1.1	1.1	0.2348*
169	62.00	6	3627.	0.1	0.1	0.0118
170	50.00	8	20482.	0.3	0.3	0.0669
171	57.00	21	611424.	9.1	9.1	1.9970
172	56.00	17	100068.	1.5	1.5	0.3268*
173	55.00	17	325920.	4.9	4.9	1.0645
174	54.00	8	22593.	0.3	0.3	0.0738
175	53.00	14	66920.	1.0	1.0	0.2186
176	52.00	12	40147.	0.6	0.6	0.1311
177	51.00	17	139704.	2.1	2.1	0.4563
178	50.00	12	59398.	0.9	0.9	0.1940*
179	47.00	8	8905.	0.1	0.1	0.0291
180	45.00	8	9899.	0.1	0.1	0.0323
181	44.00	29	230076.	3.4	3.4	0.7515*
182	43.00	25	2373568.	35.4	35.4	7.7526*
183	42.00	17	120180.	1.8	1.8	0.3925
184	41.00	21	1197888.	17.9	17.9	3.9125
185	40.00	14	57065.	0.9	0.9	0.1864*
186	39.00	21	290304.	4.3	4.3	0.9482
187	38.00	12	17648.	0.3	0.3	0.0576*
188	37.00	8	1639.	0.0	0.0	0.0054
189	36.00	12	37098.	0.6	0.6	0.1212*


8EPK.1 [TIC=17524736, 100%=28689312] EI
4-n-octylaniline, di-(trifluoroacetamide)
O
N–(C–CF3)2
CH2–(CH2)6–CH3
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
298
397
132
43
57
203
77
91
107
154
175
270
50
100
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250
300
350
400
m/z

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	399.00	12	34171.	1.2	1.2	0.1950*
2	398.00	17	239628.	8.4	8.4	1.3674*
3	397.00	35	1486200.	51.8	51.8	8.4806*
4	396.00	10	8644.	0.3	0.3	0.0493*
5	395.00	8	4370.	0.2	0.2	0.0249
6	379.00	6	854.	0.0	0.0	0.0049
7	378.00	8	3637.	0.1	0.1	0.0208
8	354.00	6	1222.	0.0	0.0	0.0070
9	341.00	6	1542.	0.1	0.1	0.0088
10	340.00	8	12104.	0.4	0.4	0.0691
11	330.00	10	14652.	0.5	0.5	0.0836
12	328.00	10	2750.	0.1	0.1	0.0157
13	327.00	6	656.	0.0	0.0	0.0037
14	326.00	6	5540.	0.2	0.2	0.0316
15	313.00	10	4437.	0.2	0.2	0.0253
16	312.00	12	32914.	1.1	1.1	0.1878
17	311.00	14	61795.	2.2	2.2	0.3526
18	302.00	10	6251.	0.2	0.2	0.0357
19	301.00	14	79912.	2.8	2.8	0.4560
20	300.00	17	52043.	1.8	1.8	0.2970*
21	299.00	25	385472.	13.4	13.4	2.1996*
22	298.00	35	2869312.	100.0	100.0	*16.37*
23	297.00	14	10970.	0.4	0.4	0.0626*
24	296.00	6	660.	0.0	0.0	0.0038
25	287.00	6	901.	0.0	0.0	0.0051
26	286.00	10	2305.	0.1	0.1	0.0132
27	285.00	12	38569.	1.3	1.3	0.2201
28	284.00	10	28049.	1.0	1.0	0.1601
29	283.00	8	6637.	0.2	0.2	0.0379
30	282.00	8	1029.	0.0	0.0	0.0059
31	271.00	12	25627.	0.9	0.9	0.1462*
32	270.00	17	211480.	7.4	7.4	1.2068
33	265.00	10	17785.	0.6	0.6	0.1015
34	244.00	6	882.	0.0	0.0	0.0050
35	243.00	12	2742.	0.1	0.1	0.0156
36	242.00	8	7849.	0.3	0.3	0.0448
37	241.00	8	1695.	0.1	0.1	0.0097
38	240.00	8	1077.	0.0	0.0	0.0061
39	232.00	6	948.	0.0	0.0	0.0054
40	231.00	10	20591.	0.7	0.7	0.1175
41	230.00	10	2112.	0.1	0.1	0.0121
42	229.00	8	3453.	0.1	0.1	0.0197
43	228.00	10	11796.	0.4	0.4	0.0673
44	227.00	6	2049.	0.1	0.1	0.0117
45	226.00	8	3804.	0.1	0.1	0.0217
46	225.00	8	2731.	0.1	0.1	0.0156
47	224.00	12	10255.	0.4	0.4	0.0585*
48	223.00	10	9097.	0.3	0.3	0.0519
49	222.00	8	2640.	0.1	0.1	0.0151
50	220.00	8	7626.	0.3	0.3	0.0435
51	217.00	10	7842.	0.3	0.3	0.0447
52	216.00	12	35760.	1.2	1.2	0.2041
53	215.00	10	30815.	1.1	1.1	0.1758
54	214.00	10	20162.	0.7	0.7	0.1150
55	212.00	6	8531.	0.3	0.3	0.0487

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	211.00	6	1319.	0.0	0.0	0.0075
57	210.00	8	3593.	0.1	0.1	0.0205
58	208.00	8	2070.	0.1	0.1	0.0118
59	207.00	10	23104.	0.8	0.8	0.1318
60	205.00	10	11888.	0.4	0.4	0.0678
61	204.00	17	123216.	4.3	4.3	0.7031*
62	203.00	21	756304.	26.4	26.4	4.3156
63	202.00	25	660688.	23.0	23.0	3.7700*
64	201.00	10	4588.	0.2	0.2	0.0262
65	200.00	8	13140.	0.5	0.5	0.0750
66	199.00	8	2318.	0.1	0.1	0.0132
67	198.00	12	25323.	0.9	0.9	0.1445
68	190.00	6	1878.	0.1	0.1	0.0107
69	189.00	8	5835.	0.2	0.2	0.0333
70	188.00	10	19339.	0.7	0.7	0.1104
71	187.00	8	5803.	0.2	0.2	0.0331
72	186.00	12	39929.	1.4	1.4	0.2278
73	185.00	14	77524.	2.7	2.7	0.4424
74	182.00	8	3619.	0.1	0.1	0.0207
75	178.00	10	8332.	0.3	0.3	0.0475
76	176.00	10	14005.	0.5	0.5	0.0799
77	175.00	17	171048.	6.0	6.0	0.9760
78	174.00	8	3693.	0.1	0.1	0.0211
79	172.00	10	10011.	0.3	0.3	0.0571
80	169.00	6	3713.	0.1	0.1	0.0212
81	168.00	8	9155.	0.3	0.3	0.0522
82	167.00	8	1355.	0.0	0.0	0.0077
83	164.00	8	6214.	0.2	0.2	0.0355*
84	160.00	8	5391.	0.2	0.2	0.0308
85	159.00	10	11148.	0.4	0.4	0.0636
86	158.00	12	13186.	0.5	0.5	0.0752
87	156.00	6	1482.	0.1	0.1	0.0085
88	155.00	10	18427.	0.6	0.6	0.1051
89	154.00	17	150432.	5.2	5.2	0.8584*
90	153.00	8	5337.	0.2	0.2	0.0305
91	152.00	8	1737.	0.1	0.1	0.0099
92	151.00	6	2446.	0.1	0.1	0.0140
93	149.00	8	1418.	0.0	0.0	0.0081
94	148.00	12	24188.	0.8	0.8	0.1380
95	147.00	14	54657.	1.9	1.9	0.3119
96	146.00	12	29638.	1.0	1.0	0.1691
97	145.00	14	69464.	2.4	2.4	0.3964
98	144.00	10	10669.	0.4	0.4	0.0609
99	143.00	6	1259.	0.0	0.0	0.0072
100	141.00	8	4467.	0.2	0.2	0.0255
101	139.00	8	2162.	0.1	0.1	0.0123
102	138.00	8	1367.	0.0	0.0	0.0078
103	135.00	8	4245.	0.1	0.1	0.0242
104	134.00	12	17125.	0.6	0.6	0.0977
105	133.00	17	116080.	4.0	4.0	0.6624
106	132.00	25	934832.	32.6	32.6	5.3344
107	131.00	12	29441.	1.0	1.0	0.1680
108	130.00	14	24600.	0.9	0.9	0.1404
109	129.00	12	17177.	0.6	0.6	0.0980*
110	128.00	14	41992.	1.5	1.5	0.2396

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PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	127.00	10	19169.	0.7	0.7	0.1094
112	125.00	6	1507.	0.1	0.1	0.0086
113	121.00	6	1806.	0.1	0.1	0.0103
114	120.00	8	8765.	0.3	0.3	0.0500
115	119.00	17	53249.	1.9	1.9	0.3039*
116	118.00	12	25750.	0.9	0.9	0.1469
117	117.00	14	53344.	1.9	1.9	0.3044
118	116.00	14	65224.	2.3	2.3	0.3722
119	115.00	14	59509.	2.1	2.1	0.3396
120	114.00	8	1916.	0.1	0.1	0.0109
121	113.00	8	1950.	0.1	0.1	0.0111
122	111.00	6	1002.	0.0	0.0	0.0057
123	110.00	8	4395.	0.2	0.2	0.0251
124	109.00	17	70240.	2.4	2.4	0.4008
125	108.00	10	11265.	0.4	0.4	0.0643
126	107.00	17	140456.	4.9	4.9	0.8015
127	106.00	10	17201.	0.6	0.6	0.0982
128	105.00	17	43333.	1.5	1.5	0.2473
129	104.00	14	73492.	2.6	2.6	0.4194
130	103.00	17	104448.	3.6	3.6	0.5960
131	102.00	10	21113.	0.7	0.7	0.1205
132	101.00	8	6548.	0.2	0.2	0.0374
133	97.00	14	50811.	1.8	1.8	0.2899*
134	96.00	8	2813.	0.1	0.1	0.0161
135	93.00	8	2586.	0.1	0.1	0.0148
136	92.00	12	40717.	1.4	1.4	0.2323
137	91.00	17	188480.	6.6	6.6	1.0755
138	90.00	17	95308.	3.3	3.3	0.5438
139	89.00	14	62647.	2.2	2.2	0.3575
140	85.00	10	5688.	0.2	0.2	0.0325*
141	84.00	8	3547.	0.1	0.1	0.0202
142	83.00	6	4516.	0.2	0.2	0.0258
143	82.00	8	2381.	0.1	0.1	0.0136
144	81.00	8	7180.	0.3	0.3	0.0410
145	80.00	8	4940.	0.2	0.2	0.0282
146	79.00	12	22948.	0.8	0.8	0.1309
147	78.00	17	107216.	3.7	3.7	0.6118
148	77.00	17	253204.	8.8	8.8	1.4448
149	76.00	10	13667.	0.5	0.5	0.0780
150	75.00	8	4082.	0.1	0.1	0.0233
151	72.00	6	1130.	0.0	0.0	0.0064
152	71.00	14	74392.	2.6	2.6	0.4245
153	70.00	14	26309.	0.9	0.9	0.1501*
154	69.00	25	783520.	27.3	27.3	4.4709*
155	68.00	8	7670.	0.3	0.3	0.0438
156	67.00	10	20453.	0.7	0.7	0.1167
157	66.00	10	10356.	0.4	0.4	0.0591*
158	65.00	14	56691.	2.0	2.0	0.3235
159	64.00	10	18528.	0.6	0.6	0.1057
160	63.00	14	31292.	1.1	1.1	0.1786*
161	58.00	14	37359.	1.3	1.3	0.2132*
162	57.00	21	818176.	28.5	28.5	4.6687
163	56.00	14	51440.	1.8	1.8	0.2935
164	55.00	21	228372.	8.0	8.0	1.3031
165	54.00	8	12229.	0.4	0.4	0.0698

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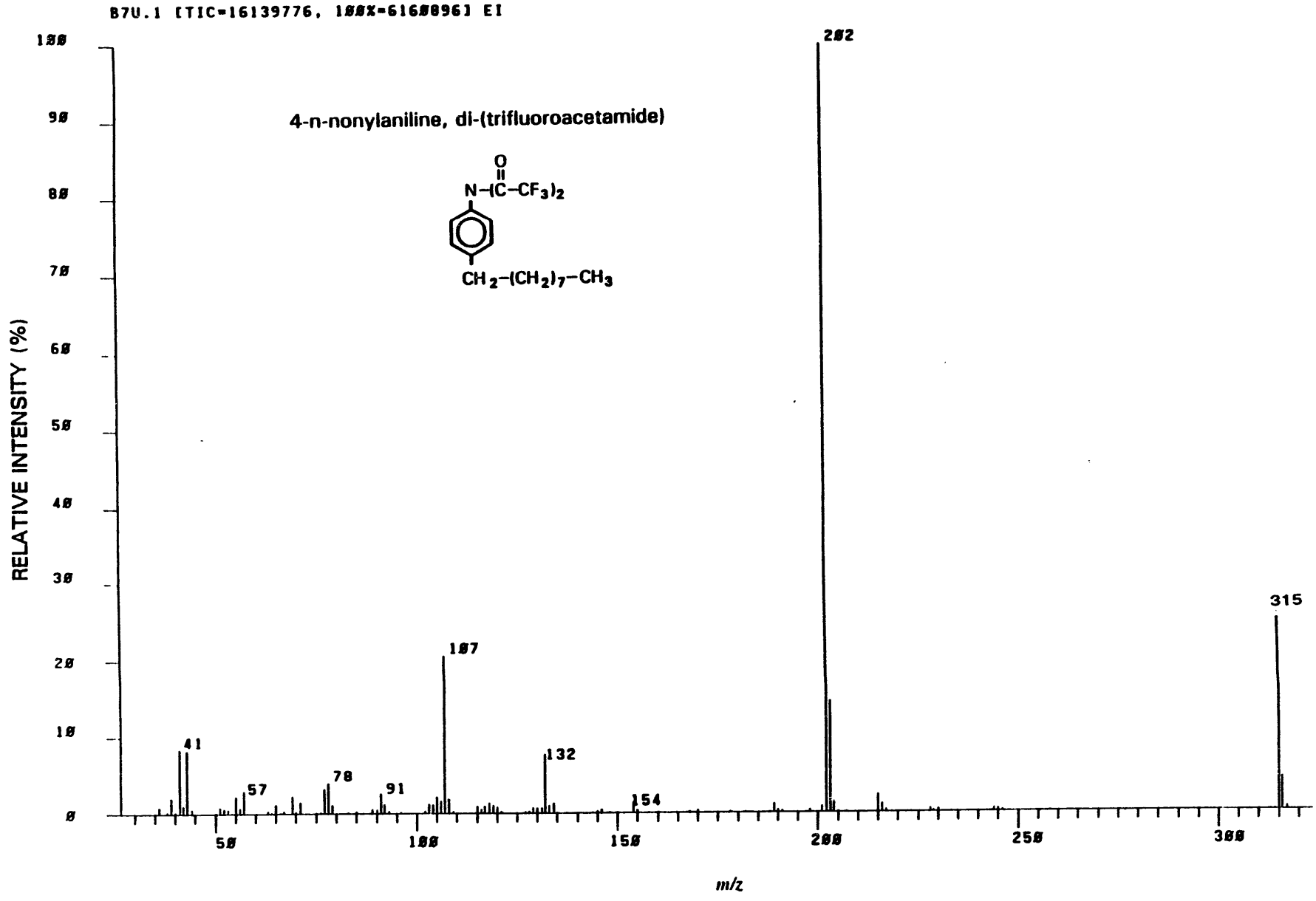
PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
166	53.00	14	52657.	1.8	1.8	0.3005
167	52.00	10	20262.	0.7	0.7	0.1156
168	51.00	17	88440.	3.1	3.1	0.5047
169	50.00	14	48764.	1.7	1.7	0.2783
170	47.00	10	10453.	0.4	0.4	0.0596
171	45.00	10	5855.	0.2	0.2	0.0334
172	44.00	29	156400.	5.5	5.5	0.8925*
173	43.00	21	897312.	31.3	31.3	5.1203
174	42.00	17	105564.	3.7	3.7	0.6024
175	41.00	21	876832.	30.6	30.6	5.0034
176	40.00	12	34920.	1.2	1.2	0.1993*
177	39.00	21	189316.	6.6	6.6	1.0803
178	38.00	8	9530.	0.3	0.3	0.0544
179	36.00	12	24669.	0.9	0.9	0.1408*
180	35.00	10	1726.	0.1	0.1	0.0098
181	32.00	17	101824.	3.5	3.5	0.5810
182	31.00	6	2762.	0.1	0.1	0.0158
183	30.00	8	3769.	0.1	0.1	0.0215
184	29.00	25	642112.	22.4	22.4	3.6640*
185	28.00	29	652000.	22.7	22.7	3.7209
186	27.00	21	313472.	10.9	10.9	1.7887


B7U.1 [TIC=16139776, 100%=6168896] EI
4-n-nonylaniline, di-(trifluoroacetamide)
N-(C=O-CF3)2
CH2-(CH2)7-CH3
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
50
100
150
200
250
300
m/z
41
57
78
91
107
132
154
202
315

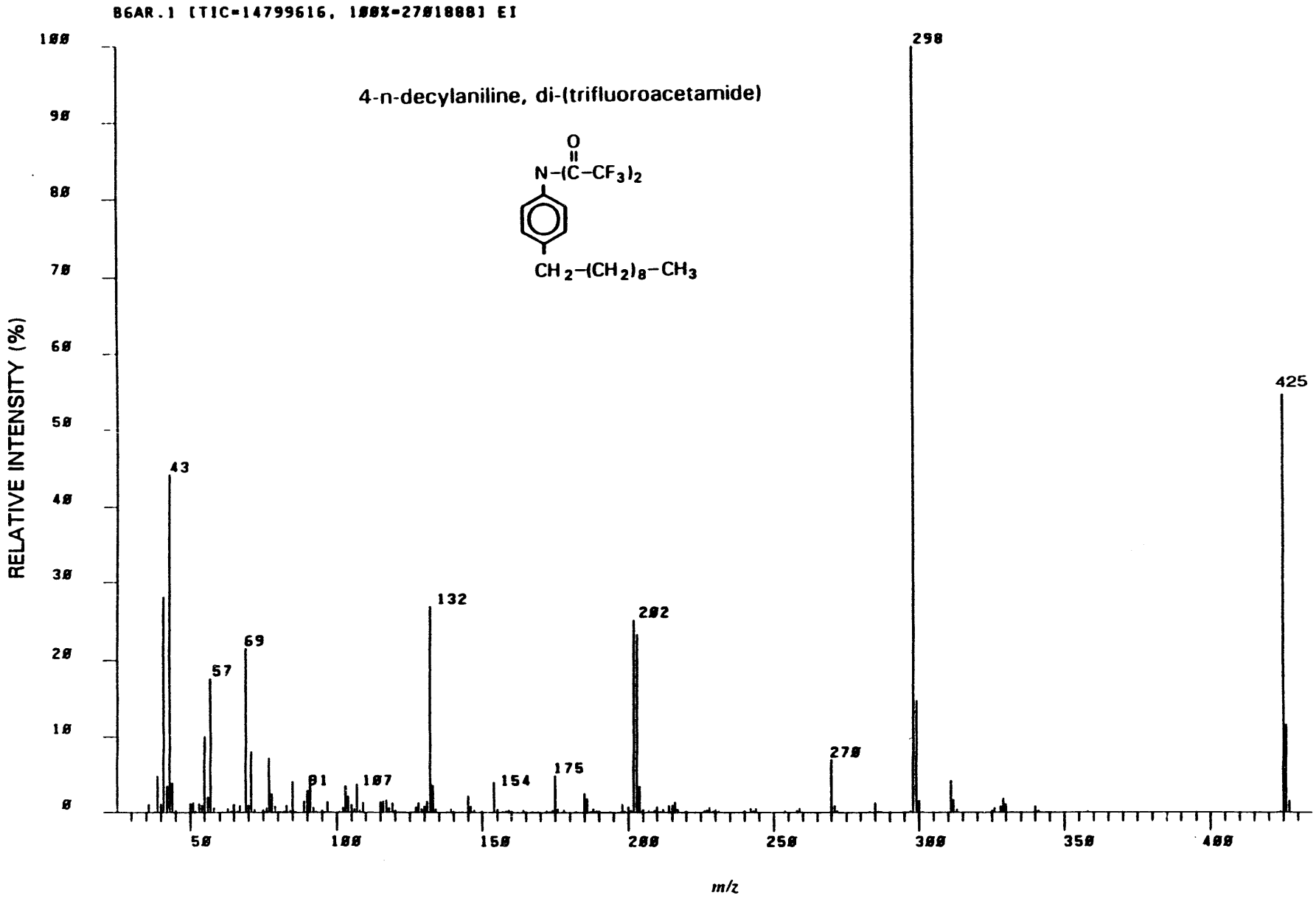
PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	318.00	6	651.	0.0	0.0	0.0040
2	317.00	12	25943.	0.4	0.4	0.1607
3	316.00	25	265520.	4.3	4.3	1.6451*
4	315.00	43	1541952.	25.0	25.0	9.5537*
5	314.00	14	12641.	0.2	0.2	0.0783
6	313.00	14	10003.	0.2	0.2	0.0620*
7	312.00	6	1896.	0.0	0.0	0.0117
8	296.00	10	2220.	0.0	0.0	0.0138
9	287.00	6	1330.	0.0	0.0	0.0082
10	273.00	8	2057.	0.0	0.0	0.0127
11	272.00	10	2082.	0.0	0.0	0.0129
12	267.00	8	2034.	0.0	0.0	0.0126
13	259.00	8	2380.	0.0	0.0	0.0147
14	258.00	8	5593.	0.1	0.1	0.0347
15	248.00	6	1132.	0.0	0.0	0.0070
16	247.00	6	3816.	0.1	0.1	0.0236
17	246.00	12	17192.	0.3	0.3	0.1065
18	245.00	14	20916.	0.3	0.3	0.1296
19	244.00	14	26750.	0.4	0.4	0.1657
20	231.00	14	7247.	0.1	0.1	0.0449
21	230.00	12	22702.	0.4	0.4	0.1407
22	229.00	12	16037.	0.3	0.3	0.0994
23	228.00	14	30852.	0.5	0.5	0.1912
24	226.00	6	1541.	0.0	0.0	0.0095
25	218.00	8	2688.	0.0	0.0	0.0167
26	217.00	14	24523.	0.4	0.4	0.1519
27	216.00	14	67884.	1.1	1.1	0.4206
28	215.00	21	141432.	2.3	2.3	0.8763*
29	214.00	12	6294.	0.1	0.1	0.0390*
30	208.00	8	925.	0.0	0.0	0.0057
31	207.00	10	8043.	0.1	0.1	0.0498*
32	205.00	10	5629.	0.1	0.1	0.0349
33	204.00	21	83156.	1.3	1.3	0.5152*
34	203.00	29	897840.	14.6	14.6	5.5629*
35	202.00	59	6160896.	100.0	100.0	*38.17*
36	201.00	35	51306.	0.8	0.8	0.3179*
37	200.00	6	3689.	0.1	0.1	0.0229
38	199.00	6	1989.	0.0	0.0	0.0123
39	198.00	12	22054.	0.4	0.4	0.1366*
40	196.00	8	1364.	0.0	0.0	0.0085
41	194.00	8	1369.	0.0	0.0	0.0085
42	191.00	12	15795.	0.3	0.3	0.0979
43	190.00	12	21991.	0.4	0.4	0.1363
44	189.00	17	67144.	1.1	1.1	0.4160
45	188.00	12	7454.	0.1	0.1	0.0462
46	186.00	10	4509.	0.1	0.1	0.0279
47	184.00	6	1696.	0.0	0.0	0.0105
48	182.00	10	8160.	0.1	0.1	0.0506
49	181.00	8	3148.	0.1	0.1	0.0195
50	179.00	8	1451.	0.0	0.0	0.0090
51	178.00	14	11595.	0.2	0.2	0.0718*
52	177.00	12	3475.	0.1	0.1	0.0215
53	174.00	8	1778.	0.0	0.0	0.0110
54	173.00	8	1806.	0.0	0.0	0.0112
55	171.00	8	2809.	0.0	0.0	0.0174

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	170.00	14	25360.	0.4	0.4	0.1571
57	169.00	14	5951.	0.1	0.1	0.0369
58	168.00	10	10333.	0.2	0.2	0.0640
59	167.00	6	2049.	0.0	0.0	0.0127
60	163.00	6	2943.	0.0	0.0	0.0182
61	160.00	8	6540.	0.1	0.1	0.0405
62	159.00	10	4086.	0.1	0.1	0.0253*
63	158.00	10	6840.	0.1	0.1	0.0424
64	156.00	8	1600.	0.0	0.0	0.0100
65	155.00	14	25547.	0.4	0.4	0.1583
66	154.00	17	84640.	1.4	1.4	0.5244
67	153.00	6	984.	0.0	0.0	0.0061
68	151.00	10	988.	0.0	0.0	0.0061
69	150.00	14	4882.	0.1	0.1	0.0302
70	148.00	12	12380.	0.2	0.2	0.0767
71	147.00	8	4580.	0.1	0.1	0.0284
72	146.00	17	30045.	0.5	0.5	0.1862
73	145.00	12	16179.	0.3	0.3	0.1002
74	144.00	8	5180.	0.1	0.1	0.0321
75	143.00	8	1892.	0.0	0.0	0.0117
76	142.00	6	1446.	0.0	0.0	0.0090
77	141.00	6	1451.	0.0	0.0	0.0090
78	140.00	8	4283.	0.1	0.1	0.0265
79	138.00	6	399.	0.0	0.0	0.0025
80	137.00	6	983.	0.0	0.0	0.0061
81	135.00	12	7867.	0.1	0.1	0.0487
82	134.00	21	78380.	1.3	1.3	0.4856*
83	133.00	17	65177.	1.1	1.1	0.4038
84	132.00	29	474600.	7.7	7.7	2.9406*
85	131.00	29	43305.	0.7	0.7	0.2683*
86	130.00	35	46364.	0.8	0.8	0.2873*
87	129.00	43	42745.	0.7	0.7	0.2648*
88	128.00	14	20124.	0.3	0.3	0.1247
89	127.00	12	19181.	0.3	0.3	0.1188
90	126.00	6	2128.	0.0	0.0	0.0132
91	122.00	8	647.	0.0	0.0	0.0040
92	121.00	10	16160.	0.3	0.3	0.1001
93	120.00	17	51380.	0.8	0.8	0.3183
94	119.00	17	64568.	1.0	1.0	0.4001
95	118.00	21	82436.	1.3	1.3	0.5108*
96	117.00	17	59941.	1.0	1.0	0.3714
97	116.00	17	34994.	0.6	0.6	0.2168*
98	115.00	17	58723.	1.0	1.0	0.3638
99	114.00	8	1959.	0.0	0.0	0.0121
100	110.00	8	1630.	0.0	0.0	0.0101
101	109.00	14	23782.	0.4	0.4	0.1474
102	108.00	21	115932.	1.9	1.9	0.7183*
103	107.00	43	1270912.	20.6	20.6	7.8744*
104	106.00	17	100252.	1.6	1.6	0.6211
105	105.00	21	132300.	2.1	2.1	0.8198*
106	104.00	21	66104.	1.1	1.1	0.4096*
107	103.00	17	74012.	1.2	1.2	0.4586
108	102.00	14	20963.	0.3	0.3	0.1299
109	101.00	10	3401.	0.1	0.1	0.0211
110	97.00	12	1857.	0.0	0.0	0.0115

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	96.00	14	15741.	0.3	0.3	0.0975
112	95.00	6	3658.	0.1	0.1	0.0227
113	94.00	12	9476.	0.2	0.2	0.0587
114	93.00	14	23912.	0.4	0.4	0.1482
115	92.00	17	73904.	1.2	1.2	0.4579
116	91.00	17	161304.	2.6	2.6	0.9994
117	90.00	14	32952.	0.5	0.5	0.2042
118	89.00	17	38738.	0.6	0.6	0.2400*
119	88.00	8	1423.	0.0	0.0	0.0088
120	86.00	6	2231.	0.0	0.0	0.0138
121	85.00	12	18091.	0.3	0.3	0.1121
122	83.00	14	10693.	0.2	0.2	0.0663*
123	82.00	8	1974.	0.0	0.0	0.0122
124	81.00	12	6961.	0.1	0.1	0.0431
125	80.00	8	3981.	0.1	0.1	0.0247
126	79.00	21	68988.	1.1	1.1	0.4274*
127	78.00	21	245060.	4.0	4.0	1.5184
128	77.00	21	194368.	3.2	3.2	1.2043
129	76.00	12	15231.	0.2	0.2	0.0944
130	75.00	8	5384.	0.1	0.1	0.0334
131	72.00	8	4313.	0.1	0.1	0.0267
132	71.00	17	89788.	1.5	1.5	0.5563
133	70.00	14	15707.	0.3	0.3	0.0973*
134	69.00	35	138004.	2.3	2.3	0.8600
135	68.00	10	3636.	0.1	0.1	0.0225
136	67.00	17	21390.	0.3	0.3	0.1325*
137	66.00	17	14101.	0.2	0.2	0.0874*
138	65.00	21	73640.	1.2	1.2	0.4563*
139	64.00	12	14903.	0.2	0.2	0.0923
140	63.00	14	23062.	0.4	0.4	0.1429
141	62.00	8	2892.	0.0	0.0	0.0179
142	61.00	8	1869.	0.0	0.0	0.0116
143	59.00	10	1286.	0.0	0.0	0.0080
144	58.00	17	8737.	0.1	0.1	0.0541*
145	57.00	35	184808.	3.0	3.0	1.1450*
146	56.00	29	48139.	0.8	0.8	0.2983*
147	55.00	21	137048.	2.2	2.2	0.8491
148	54.00	14	13922.	0.2	0.2	0.0863
149	53.00	17	37787.	0.6	0.6	0.2341
150	52.00	17	38965.	0.6	0.6	0.2414
151	51.00	21	54336.	0.9	0.9	0.3367
152	50.00	10	15046.	0.2	0.2	0.0932
153	47.00	6	1314.	0.0	0.0	0.0081
154	45.00	6	2102.	0.0	0.0	0.0130
155	44.00	25	39657.	0.6	0.6	0.2457*
156	43.00	25	510448.	8.3	8.3	3.1627
157	42.00	21	64713.	1.1	1.1	0.4010*
158	41.00	25	518304.	8.4	0.4	3.2113
159	40.00	12	17041.	0.3	0.3	0.1056
160	39.00	21	125462.	2.0	2.0	0.7773
161	38.00	21	24732.	0.4	0.4	0.1532*
162	36.00	17	50819.	0.8	0.8	0.3149
163	35.00	12	5036.	0.1	0.1	0.0312*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4-n-decylaniline, di-(trifluoroacetamide)
RELATIVE INTENSITY (%)
m/z
43
57
69
81
107
132
154
175
202
278
298
425

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	428.00	6	3846.	0.1	0.1	0.0260
2	427.00	14	43566.	1.6	1.6	0.2944
3	426.00	21	312200.	11.6	11.6	2.1096*
4	425.00	35	1472768.	54.5	54.5	9.9514*
5	424.00	12	8574.	0.3	0.3	0.0579*
6	423.00	14	4199.	0.2	0.2	0.0284
7	422.00	6	581.	0.0	0.0	0.0039
8	406.00	8	1558.	0.1	0.1	0.0105
9	389.00	6	986.	0.0	0.0	0.0067
10	368.00	8	1510.	0.1	0.1	0.0102
11	360.00	6	1402.	0.1	0.1	0.0095
12	359.00	6	1229.	0.0	0.0	0.0083
13	358.00	10	8029.	0.3	0.3	0.0543
14	356.00	6	1853.	0.1	0.1	0.0125
15	354.00	6	2544.	0.1	0.1	0.0172
16	341.00	10	10960.	0.4	0.4	0.0741
17	340.00	10	23675.	0.9	0.9	0.1600
18	331.00	8	1610.	0.1	0.1	0.0109
19	330.00	14	30136.	1.1	1.1	0.2036*
20	329.00	17	51359.	1.9	1.9	0.3470
21	328.00	12	22366.	0.8	0.8	0.1511
22	327.00	10	1823.	0.1	0.1	0.0123
23	326.00	10	16287.	0.6	0.6	0.1101
24	325.00	8	8384.	0.3	0.3	0.0567
25	315.00	8	1809.	0.1	0.1	0.0122
26	314.00	8	1598.	0.1	0.1	0.0108
27	313.00	10	14447.	0.5	0.5	0.0976
28	312.00	17	49630.	1.8	1.8	0.3353
29	311.00	17	112800.	4.2	4.2	0.7622
30	310.00	10	1520.	0.1	0.1	0.0103
31	308.00	8	1875.	0.1	0.1	0.0127
32	306.00	6	887.	0.0	0.0	0.0060
33	302.00	8	1430.	0.1	0.1	0.0097
34	301.00	10	5345.	0.2	0.2	0.0361
35	300.00	14	43885.	1.6	1.6	0.2965
36	299.00	25	399552.	14.8	14.8	2.6997*
37	298.00	35	2701888.	100.0	100.0	*18.25*
38	297.00	12	6868.	0.3	0.3	0.0464*
39	296.00	17	4084.	0.2	0.2	0.0276*
40	295.00	6	3029.	0.1	0.1	0.0205
41	291.00	6	884.	0.0	0.0	0.0060
42	290.00	12	2816.	0.1	0.1	0.0190
43	287.00	8	5200.	0.2	0.2	0.0351
44	286.00	8	6779.	0.3	0.3	0.0458
45	285.00	12	34102.	1.3	1.3	0.2304
46	283.00	10	5755.	0.2	0.2	0.0389
47	281.00	8	3332.	0.1	0.1	0.0225
48	280.00	10	1432.	0.1	0.1	0.0097
49	273.00	8	1243.	0.0	0.0	0.0084
50	272.00	10	8080.	0.3	0.3	0.0546
51	271.00	12	26100.	1.0	1.0	0.1764
52	270.00	17	189192.	7.0	7.0	1.2784
53	268.00	8	1105.	0.0	0.0	0.0075
54	261.00	8	1160.	0.0	0.0	0.0078
55	260.00	10	869.	0.0	0.0	0.0059

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	259.00	12	18010.	0.7	0.7	0.1217
57	258.00	10	7595.	0.3	0.3	0.0513
58	257.00	6	956.	0.0	0.0	0.0065
59	256.00	6	4217.	0.2	0.2	0.0285
60	254.00	8	7621.	0.3	0.3	0.0515
61	252.00	8	1096.	0.0	0.0	0.0074
62	245.00	6	1430.	0.1	0.1	0.0097
63	244.00	10	15097.	0.6	0.6	0.1020
64	243.00	8	7156.	0.3	0.3	0.0484
65	242.00	12	14312.	0.5	0.5	0.0967
66	240.00	10	7482.	0.3	0.3	0.0506
67	232.00	6	1340.	0.0	0.0	0.0091
68	231.00	10	7066.	0.3	0.3	0.0477
69	230.00	12	12750.	0.5	0.5	0.0862
70	229.00	12	7798.	0.3	0.3	0.0527*
71	228.00	12	19900.	0.7	0.7	0.1345
72	227.00	8	9426.	0.3	0.3	0.0637
73	226.00	8	8097.	0.3	0.3	0.0547
74	224.00	6	1013.	0.0	0.0	0.0068
75	220.00	10	5835.	0.2	0.2	0.0394
76	219.00	10	1405.	0.1	0.1	0.0095
77	217.00	12	12632.	0.5	0.5	0.0854
78	216.00	14	37331.	1.4	1.4	0.2522
79	215.00	12	27702.	1.0	1.0	0.1872
80	214.00	12	25905.	1.0	1.0	0.1750
81	213.00	6	1018.	0.0	0.0	0.0069
82	212.00	12	11726.	0.4	0.4	0.0792*
83	211.00	14	5098.	0.2	0.2	0.0344*
84	210.00	17	21397.	0.8	0.8	0.1446*
85	209.00	14	9064.	0.3	0.3	0.0612*
86	208.00	10	5759.	0.2	0.2	0.0389*
87	207.00	8	8073.	0.3	0.3	0.0545
88	205.00	10	12552.	0.5	0.5	0.0848
89	204.00	17	96228.	3.6	3.6	0.6502*
90	203.00	25	625792.	23.2	23.2	4.2284*
91	202.00	21	676400.	25.0	25.0	4.5704*
92	201.00	10	11199.	0.4	0.4	0.0757*
93	200.00	14	21678.	0.8	0.8	0.1465
94	199.00	10	8778.	0.3	0.3	0.0593
95	198.00	12	24795.	0.9	0.9	0.1675
96	194.00	8	3386.	0.1	0.1	0.0229
97	192.00	6	973.	0.0	0.0	0.0066
98	190.00	10	8368.	0.3	0.3	0.0565
99	189.00	8	6767.	0.3	0.3	0.0457
100	188.00	10	13800.	0.5	0.5	0.0932
101	187.00	8	5882.	0.2	0.2	0.0397
102	186.00	14	50212.	1.9	1.9	0.3393
103	185.00	17	69128.	2.6	2.6	0.4671
104	184.00	8	2129.	0.1	0.1	0.0144
105	182.00	8	6059.	0.2	0.2	0.0409
106	181.00	6	1363.	0.1	0.1	0.0092
107	179.00	6	1404.	0.1	0.1	0.0095
108	178.00	8	11084.	0.4	0.4	0.0749
109	176.00	12	14511.	0.5	0.5	0.0980
110	175.00	17	133128.	4.9	4.9	0.8995

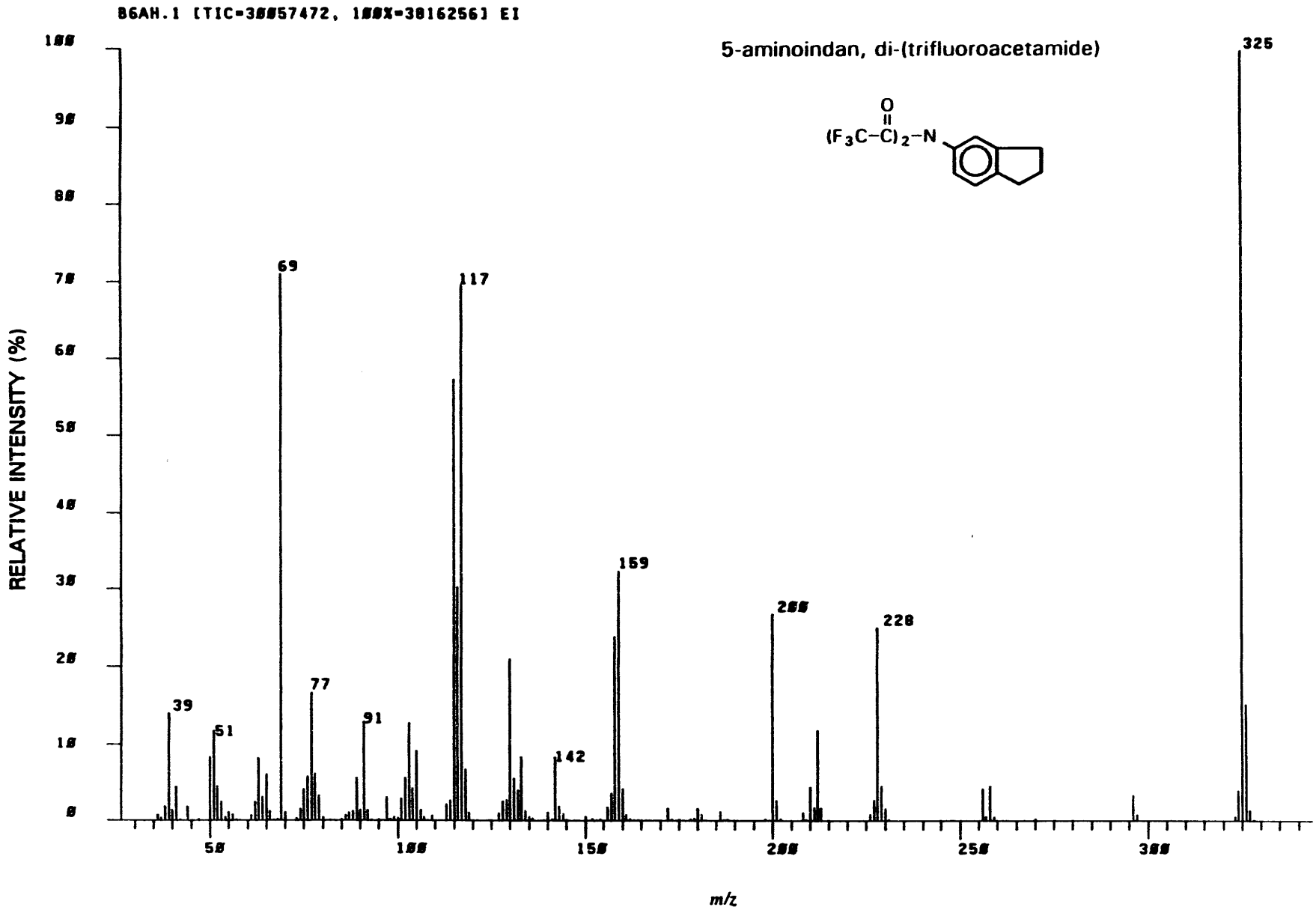
PAGE 3

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	174.00	8	9756.	0.4	0.4	0.0659
112	173.00	8	4572.	0.2	0.2	0.0309
113	172.00	10	8693.	0.3	0.3	0.0587
114	171.00	8	1843.	0.1	0.1	0.0125
115	170.00	6	795.	0.0	0.0	0.0054
116	169.00	8	2971.	0.1	0.1	0.0201
117	168.00	8	3502.	0.1	0.1	0.0237
118	167.00	8	4974.	0.2	0.2	0.0336
119	166.00	8	1595.	0.1	0.1	0.0108
120	165.00	6	3966.	0.1	0.1	0.0268
121	164.00	10	10388.	0.4	0.4	0.0701
122	162.00	8	2666.	0.1	0.1	0.0180
123	161.00	8	1297.	0.0	0.0	0.0088
124	160.00	12	6666.	0.2	0.2	0.0450*
125	159.00	12	10129.	0.4	0.4	0.0684*
126	158.00	10	8268.	0.3	0.3	0.0559
127	157.00	10	4909.	0.2	0.2	0.0332
128	156.00	12	3433.	0.1	0.1	0.0232
129	155.00	8	13590.	0.5	0.5	0.0918
130	154.00	14	108372.	4.0	4.0	0.7323
131	151.00	10	3516.	0.1	0.1	0.0238
132	150.00	12	6659.	0.2	0.2	0.0450
133	148.00	14	1933.	0.1	0.1	0.0131
134	147.00	12	9823.	0.4	0.4	0.0664
135	146.00	12	24069.	0.9	0.9	0.1626
136	145.00	17	60320.	2.2	2.2	0.4076
137	144.00	10	2074.	0.1	0.1	0.0140
138	143.00	8	2453.	0.1	0.1	0.0166
139	142.00	10	3770.	0.1	0.1	0.0255
140	141.00	12	2998.	0.1	0.1	0.0203
141	140.00	10	4937.	0.2	0.2	0.0334*
142	139.00	21	14265.	0.5	0.5	0.0964*
143	138.00	14	4312.	0.2	0.2	0.0291*
144	135.00	6	1514.	0.1	0.1	0.0102
145	134.00	12	13770.	0.5	0.5	0.0930
146	133.00	17	98292.	3.6	3.6	0.6642
147	132.00	25	723232.	26.8	26.8	4.8868
148	131.00	17	40622.	1.5	1.5	0.2745*
149	130.00	12	23838.	0.9	0.9	0.1611
150	129.00	12	14897.	0.6	0.6	0.1007*
151	128.00	12	34204.	1.3	1.3	0.2311
152	127.00	12	21837.	0.8	0.8	0.1476
153	126.00	6	3568.	0.1	0.1	0.0241
154	125.00	6	1535.	0.1	0.1	0.0104
155	121.00	6	2755.	0.1	0.1	0.0186
156	120.00	12	10088.	0.4	0.4	0.0682
157	119.00	14	33961.	1.3	1.3	0.2295
158	118.00	12	20417.	0.8	0.8	0.1380
159	117.00	14	46333.	1.7	1.7	0.3131
160	116.00	14	40589.	1.5	1.5	0.2743
161	115.00	17	38495.	1.4	1.4	0.2601*
162	114.00	6	910.	0.0	0.0	0.0061
163	112.00	8	1717.	0.1	0.1	0.0116
164	111.00	8	2628.	0.1	0.1	0.0178
165	110.00	6	1210.	0.0	0.0	0.0082

PAGE 4

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
166	109.00	14	37750.	1.4	1.4	0.2551
167	108.00	10	10449.	0.4	0.4	0.0706
168	107.00	17	102360.	3.8	3.8	0.6916*
169	106.00	10	15919.	0.6	0.6	0.1076
170	105.00	14	29804.	1.1	1.1	0.2014
171	104.00	17	59439.	2.2	2.2	0.4016
172	103.00	17	94404.	3.5	3.5	0.6379
173	102.00	12	19114.	0.7	0.7	0.1292*
174	101.00	6	5583.	0.2	0.2	0.0377
175	98.00	8	3062.	0.1	0.1	0.0207
176	97.00	17	38556.	1.4	1.4	0.2605*
177	96.00	14	5749.	0.2	0.2	0.0388*
178	95.00	10	9365.	0.3	0.3	0.0633
179	94.00	6	1098.	0.0	0.0	0.0074
180	93.00	8	6092.	0.2	0.2	0.0412
181	92.00	14	18814.	0.7	0.7	0.1271
182	91.00	17	126368.	4.7	4.7	0.8539
183	90.00	17	80448.	3.0	3.0	0.5436
184	89.00	14	40661.	1.5	1.5	0.2747
185	88.00	10	1360.	0.1	0.1	0.0092
186	86.00	8	5256.	0.2	0.2	0.0355
187	85.00	21	111200.	4.1	4.1	0.7514*
188	84.00	10	9147.	0.3	0.3	0.0618
189	83.00	14	24731.	0.9	0.9	0.1671
190	82.00	8	5626.	0.2	0.2	0.0380
191	81.00	10	5502.	0.2	0.2	0.0372
192	80.00	6	4622.	0.2	0.2	0.0312
193	79.00	14	23395.	0.9	0.9	0.1581*
194	78.00	17	69516.	2.6	2.6	0.4697
195	77.00	17	196996.	7.3	7.3	1.3311*
196	76.00	10	19370.	0.7	0.7	0.1309
197	75.00	10	9410.	0.3	0.3	0.0636
198	72.00	12	13594.	0.5	0.5	0.0919
199	71.00	17	220040.	8.1	8.1	1.4868
200	70.00	17	28530.	1.1	1.1	0.1928*
201	69.00	35	579952.	21.5	21.5	3.9187*
202	68.00	8	5474.	0.2	0.2	0.0370
203	67.00	12	24931.	0.9	0.9	0.1685
204	66.00	12	7035.	0.3	0.3	0.0475
205	65.00	14	29769.	1.1	1.1	0.2011
206	64.00	14	8102.	0.3	0.3	0.0547
207	63.00	12	14341.	0.5	0.5	0.0969
208	61.00	6	2172.	0.1	0.1	0.0147
209	58.00	14	19888.	0.7	0.7	0.1344*
210	57.00	25	476608.	17.6	17.6	3.2204*
211	56.00	17	58082.	2.1	2.1	0.3925
212	55.00	21	273600.	10.1	10.1	1.8487
213	54.00	14	28329.	1.0	1.0	0.1914
214	53.00	14	32034.	1.2	1.2	0.2165
215	52.00	10	8106.	0.3	0.3	0.0548*
216	51.00	12	37174.	1.4	1.4	0.2512
217	50.00	17	33148.	1.2	1.2	0.2240
218	48.00	8	950.	0.0	0.0	0.0064
219	47.00	6	2078.	0.1	0.1	0.0140
220	45.00	10	11188.	0.4	0.4	0.0756*

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
221	44.00	25	108820.	4.0	4.0	0.7353*
222	43.00	29	1195264.	44.2	44.2	8.0763*
223	42.00	17	97004.	3.6	3.6	0.6554
224	41.00	21	750512.	28.1	28.1	5.1252
225	40.00	17	32116.	1.2	1.2	0.2170*
226	39.00	17	134104.	5.0	5.0	0.9067*
227	38.00	8	5053.	0.2	0.2	0.0341
228	36.00	12	30219.	1.1	1.1	0.2042*
229	35.00	8	1004.	0.0	0.0	0.0073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5-aminoindan, di-(trifluoroacetamide)
O
(F3C–C)2–N
RELATIVE INTENSITY (%)
1##
9#
8#
7#
6#
5#
4#
3#
2#
1#
#
69
117
325
159
288
228
77
39
51
91
142
5#
1##
15#
2##
25#
3##
m/z

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	332.00	6	675.	0.0	0.0	0.0022
2	330.00	6	209.	0.0	0.0	0.0007
3	328.00	10	8599.	0.2	0.2	0.0286
4	327.00	17	56428.	1.5	1.5	0.1877
5	326.00	29	584320.	15.3	15.3	1.9440*
6	325.00	43	3816256.	100.0	100.0	*12.69*
7	324.00	25	155260.	4.1	4.1	0.5165*
8	323.00	17	24646.	0.6	0.6	0.0820*
9	322.00	8	2764.	0.1	0.1	0.0092
10	321.00	8	955.	0.0	0.0	0.0032
11	307.00	10	1055.	0.0	0.0	0.0035
12	306.00	8	5430.	0.1	0.1	0.0181
13	305.00	6	510.	0.0	0.0	0.0017
14	298.00	6	1229.	0.0	0.0	0.0041
15	297.00	14	33411.	0.9	0.9	0.1112
16	296.00	17	128868.	3.4	3.4	0.4287
17	295.00	6	1852.	0.0	0.0	0.0062
18	282.00	6	671.	0.0	0.0	0.0022
19	276.00	8	1675.	0.0	0.0	0.0056
20	272.00	6	2150.	0.1	0.1	0.0072
21	270.00	8	11513.	0.3	0.3	0.0383
22	259.00	12	21490.	0.6	0.6	0.0715
23	258.00	17	171948.	4.5	4.5	0.5721*
24	257.00	12	24860.	0.7	0.7	0.0827
25	256.00	17	161036.	4.2	4.2	0.5358
26	255.00	8	1470.	0.0	0.0	0.0049
27	254.00	12	2975.	0.1	0.1	0.0099
28	250.00	8	1842.	0.0	0.0	0.0061
29	240.00	10	2403.	0.1	0.1	0.0080
30	231.00	8	11717.	0.3	0.3	0.0390
31	230.00	14	60956.	1.6	1.6	0.2028
32	229.00	25	176880.	4.6	4.6	0.5885*
33	228.00	35	952200.	25.0	25.0	3.1682*
34	227.00	17	105260.	2.8	2.8	0.3502
35	226.00	14	33054.	0.9	0.9	0.1100*
36	225.00	6	1343.	0.0	0.0	0.0045
37	214.00	8	1539.	0.0	0.0	0.0051
38	213.00	17	65086.	1.7	1.7	0.2165*
39	212.00	21	450448.	11.8	11.8	1.4986*
40	211.00	17	68020.	1.8	1.8	0.2263*
41	210.00	17	168896.	4.4	4.4	0.5619
42	209.00	8	9349.	0.2	0.2	0.0311
43	208.00	14	42269.	1.1	1.1	0.1406
44	207.00	12	2113.	0.1	0.1	0.0070
45	206.00	6	1430.	0.0	0.0	0.0048
46	205.00	8	1119.	0.0	0.0	0.0037
47	202.00	10	100983.	0.3	0.3	0.0365
48	201.00	21	101720.	2.7	2.7	0.3384*
49	200.00	35	1010736.	26.7	26.7	3.3893*
50	199.00	10	6170.	0.2	0.2	0.0205
51	198.00	8	9838.	0.3	0.3	0.0327
52	192.00	6	626.	0.0	0.0	0.0021
53	190.00	8	2365.	0.1	0.1	0.0079
54	189.00	6	1482.	0.0	0.0	0.0049
55	188.00	8	6552.	0.2	0.2	0.0218

PAGE 2

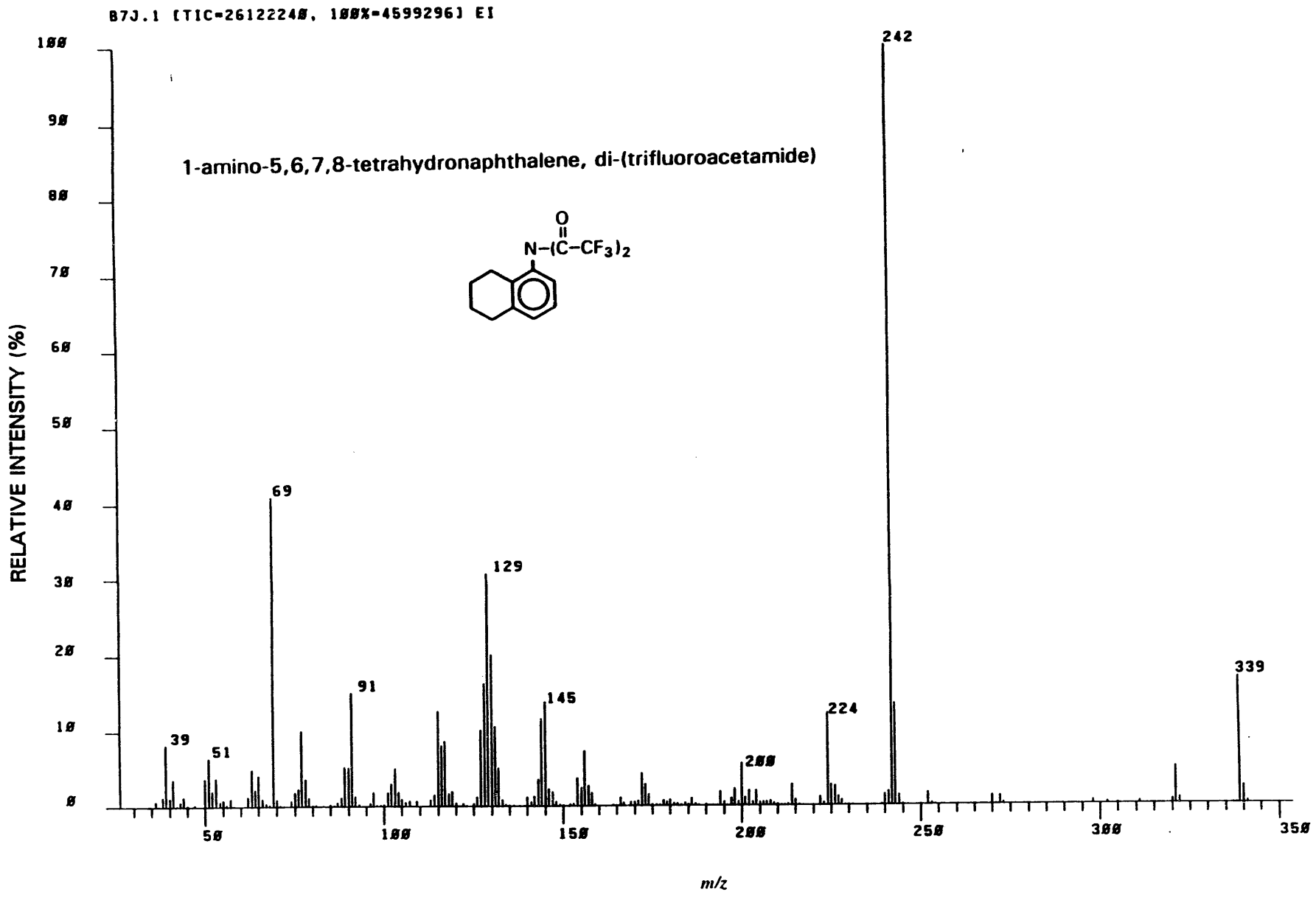
PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	187.00	8	6684.	0.2	0.2	0.0222
57	186.00	14	49755.	1.3	1.3	0.1655
58	185.00	6	1751.	0.0	0.0	0.0058
59	184.00	6	656.	0.0	0.0	0.0022
60	183.00	6	2146.	0.1	0.1	0.0071
61	182.00	10	3330.	0.1	0.1	0.0111
62	181.00	14	32070.	0.8	0.8	0.1067
63	180.00	17	62265.	1.6	1.6	0.2072
64	179.00	10	15330.	0.4	0.4	0.0510
65	170.00	10	12652.	0.3	0.3	0.0421
66	177.00	8	2149.	0.1	0.1	0.0071
67	176.00	10	5310.	0.1	0.1	0.0177
68	175.00	10	6619.	0.2	0.2	0.0220*
69	173.00	8	10793.	0.3	0.3	0.0359
70	172.00	17	61857.	1.6	1.6	0.2058
71	171.00	8	2510.	0.1	0.1	0.0084
72	169.00	8	3597.	0.1	0.1	0.0120
73	167.00	10	3661.	0.1	0.1	0.0122
74	166.00	10	3037.	0.1	0.1	0.0101
75	165.00	8	3232.	0.1	0.1	0.0108
76	164.00	6	3900.	0.1	0.1	0.0130
77	163.00	12	5050.	0.1	0.1	0.0168
78	162.00	14	10261.	0.3	0.3	0.0341*
79	161.00	21	31810.	0.8	0.8	0.1058*
80	160.00	29	160920.	4.2	4.2	0.5354*
81	159.00	51	1236480.	32.4	32.4	4.1137*
82	158.00	43	900680.	23.8	23.8	3.0232*
83	157.00	35	137420.	3.6	3.6	0.4572*
84	156.00	17	67432.	1.8	1.8	0.2243*
85	155.00	6	1123.	0.0	0.0	0.0037
86	154.00	8	7495.	0.2	0.2	0.0249
87	153.00	10	4652.	0.1	0.1	0.0155
88	152.00	10	11293.	0.3	0.3	0.0376
89	151.00	6	1322.	0.0	0.0	0.0044
90	150.00	10	22336.	0.6	0.6	0.0743
91	140.00	8	760.	0.0	0.0	0.0025
92	147.00	10	3739.	0.1	0.1	0.0124
93	146.00	10	2232.	0.1	0.1	0.0074
94	145.00	10	9510.	0.2	0.2	0.0316
95	144.00	12	34816.	0.9	0.9	0.1158
96	143.00	17	74696.	2.0	2.0	0.2485
97	142.00	25	318352.	8.3	8.3	1.0591*
98	141.00	14	10460.	0.3	0.3	0.0348
99	140.00	14	41745.	1.1	1.1	0.1389
100	139.00	6	5417.	0.1	0.1	0.0180
101	138.00	6	1040.	0.0	0.0	0.0035
102	137.00	8	1862.	0.0	0.0	0.0062
103	136.00	14	14730.	0.4	0.4	0.0490*
104	135.00	14	25410.	0.7	0.7	0.0845*
105	134.00	17	53140.	1.4	1.4	0.1760*
106	133.00	21	317376.	8.3	8.3	1.0559
107	132.00	17	152576.	4.0	4.0	0.5076
108	131.00	21	213944.	5.6	5.6	0.7118*
109	130.00	35	800016.	21.0	21.0	2.6616*
110	129.00	21	105404.	2.8	2.8	0.3507*

PAGE 3

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	128.00	17	100360.	2.6	2.6	0.3339
112	127.00	14	37829.	1.0	1.0	0.1259
113	126.00	14	2981.	0.1	0.1	0.0099*
114	125.00	10	1376.	0.0	0.0	0.0046
115	124.00	10	2963.	0.1	0.1	0.0099*
116	123.00	6	2039.	0.1	0.1	0.0068
117	120.00	12	2637.	0.1	0.1	0.0088
118	119.00	17	41547.	1.1	1.1	0.1382
119	118.00	21	257476.	6.7	6.7	0.8566*
120	117.00	43	2649792.	69.4	69.4	8.8158*
121	116.00	43	1156032.	30.3	30.3	3.8461*
122	115.00	59	2184768.	57.2	57.2	7.2686*
123	114.00	35	102036.	2.7	2.7	0.3395*
124	113.00	43	79540.	2.1	2.1	0.2646*
125	112.00	8	1874.	0.0	0.0	0.0062
126	111.00	8	1534.	0.0	0.0	0.0051
127	110.00	8	1757.	0.0	0.0	0.0058
128	109.00	12	26696.	0.7	0.7	0.0888
129	108.00	8	3520.	0.1	0.1	0.0117
130	107.00	17	19431.	0.5	0.5	0.0646*
131	106.00	21	55603.	1.5	1.5	0.1850*
132	105.00	21	349000.	9.1	9.1	1.1611
133	104.00	25	162948.	4.3	4.3	0.5421*
134	103.00	21	489400.	12.8	12.8	1.6282*
135	102.00	21	213800.	5.6	5.6	0.7116*
136	101.00	17	113052.	3.0	3.0	0.3761*
137	100.00	12	15879.	0.4	0.4	0.0528
138	99.00	10	21456.	0.6	0.6	0.0714
139	98.00	8	9694.	0.3	0.3	0.0323
140	97.00	17	117800.	3.1	3.1	0.3922
141	96.00	8	6254.	0.2	0.2	0.0208
142	95.00	10	7286.	0.2	0.2	0.0242
143	93.00	12	7631.	0.2	0.2	0.0254
144	92.00	17	56138.	1.5	1.5	0.1868
145	91.00	25	497360.	13.0	13.0	1.6547*
146	90.00	17	59153.	1.6	1.6	0.1968
147	89.00	21	213360.	5.6	5.6	0.7099
148	88.00	17	50575.	1.3	1.3	0.1683
149	87.00	17	42536.	1.1	1.1	0.1415
150	86.00	14	31133.	0.8	0.8	0.1036*
151	85.00	10	11251.	0.3	0.3	0.0374
152	84.00	8	1483.	0.0	0.0	0.0049
153	83.00	12	5688.	0.1	0.1	0.0189*
154	82.00	8	3460.	0.1	0.1	0.0115
155	81.00	10	5543.	0.1	0.1	0.0184*
156	80.00	14	17981.	0.5	0.5	0.0598*
157	79.00	21	126284.	3.3	3.3	0.4201
158	78.00	25	235904.	6.2	6.2	0.7840*
159	77.00	29	639424.	16.8	16.8	2.1273*
160	76.00	21	219372.	5.7	5.7	0.7298*
161	75.00	17	155860.	4.1	4.1	0.5185
162	74.00	17	57338.	1.5	1.5	0.1908
163	73.00	10	14609.	0.4	0.4	0.0486
164	72.00	8	2113.	0.1	0.1	0.0070
165	70.00	17	43803.	1.1	1.1	0.1457*

PAGE 4

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
166	69.00	43	2707648.	71.0	71.0	9.0082*
167	68.00	14	9557.	0.3	0.3	0.0318*
168	67.00	12	8421.	0.2	0.2	0.0280
169	66.00	17	48075.	1.3	1.3	0.1599
170	65.00	21	234420.	6.1	6.1	0.7799*
171	64.00	21	116012.	3.1	3.1	0.3886*
172	63.00	21	311920.	8.2	8.2	1.0377*
173	62.00	21	93392.	2.4	2.4	0.3107*
174	61.00	17	25773.	0.7	0.7	0.0857*
175	59.00	14	3785.	0.1	0.1	0.0126*
176	58.00	8	4567.	0.1	0.1	0.0152*
177	57.00	10	6638.	0.2	0.2	0.0221*
178	56.00	12	31746.	0.8	0.8	0.1056
179	55.00	17	43757.	1.1	1.1	0.1456*
180	54.00	12	20751.	0.5	0.5	0.0690*
181	53.00	17	97716.	2.6	2.6	0.3251
182	52.00	21	173980.	4.6	4.6	0.5789
183	51.00	25	453104.	11.9	11.9	1.5075
184	50.00	25	318944.	8.4	8.4	1.0611
185	49.00	10	4645.	0.1	0.1	0.0155
186	48.00	8	1063.	0.0	0.0	0.0035
187	47.00	10	12180.	0.3	0.3	0.0405
188	45.00	8	2957.	0.1	0.1	0.0098
189	44.00	17	72392.	1.9	1.9	0.2408
190	43.00	10	2951.	0.1	0.1	0.0098
191	42.00	10	8886.	0.2	0.2	0.0296*
192	41.00	21	170356.	4.5	4.5	0.5668*
193	40.00	17	54762.	1.4	1.4	0.1822*
194	39.00	25	536624.	14.1	14.1	1.7853*
195	38.00	25	72312.	1.9	1.9	0.2406*
196	37.00	10	17061.	0.4	0.4	0.0568
197	36.00	12	30570.	0.8	0.8	0.1017*


B7J.1 [TIC=2612224Ø, 1ØØ%=4599296] EI
1-amino-5,6,7,8-tetrahydronaphthalene, di-(trifluoroacetamide)
N–(C–CF3)2
RELATIVE INTENSITY (%)
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242
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PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	343.00	6	502.	0.0	0.0	0.0019
2	341.00	10	17311.	0.4	0.4	0.0663*
3	340.00	17	109728.	2.4	2.4	0.4201
4	339.00	29	770448.	16.8	16.8	2.9494*
5	338.00	12	7050.	0.2	0.2	0.0270*
6	337.00	8	4620.	0.1	0.1	0.0177
7	335.00	8	832.	0.0	0.0	0.0032
8	323.00	10	2774.	0.1	0.1	0.0106
9	322.00	14	36389.	0.8	0.8	0.1393*
10	321.00	17	227204.	4.9	4.9	0.8698
11	320.00	12	28948.	0.6	0.6	0.1108
12	319.00	6	570.	0.0	0.0	0.0022
13	312.00	8	887.	0.0	0.0	0.0034
14	311.00	10	17400.	0.4	0.4	0.0669
15	309.00	6	897.	0.0	0.0	0.0034
16	306.00	8	1939.	0.0	0.0	0.0074
17	305.00	17	8511.	0.2	0.2	0.0326*
18	304.00	6	1641.	0.0	0.0	0.0063
19	303.00	8	2394.	0.1	0.1	0.0092
20	302.00	12	16472.	0.4	0.4	0.0631
21	301.00	10	3266.	0.1	0.1	0.0125
22	299.00	14	2806.	0.1	0.1	0.0107*
23	298.00	14	23521.	0.5	0.5	0.0900
24	295.00	6	1474.	0.0	0.0	0.0056
25	292.00	6	1872.	0.0	0.0	0.0072
26	286.00	6	1127.	0.0	0.0	0.0043
27	283.00	10	2158.	0.0	0.0	0.0083
28	279.00	6	731.	0.0	0.0	0.0028
29	278.00	10	3196.	0.1	0.1	0.0122
30	274.00	6	1390.	0.0	0.0	0.0053
31	273.00	10	11742.	0.3	0.3	0.0450
32	272.00	12	50933.	1.1	1.1	0.1950
33	271.00	10	3863.	0.1	0.1	0.0148
34	270.00	14	53547.	1.2	1.2	0.2050
35	263.00	6	577.	0.0	0.0	0.0022
36	261.00	6	966.	0.0	0.0	0.0037
37	259.00	6	1416.	0.0	0.0	0.0054
38	254.00	8	5126.	0.1	0.1	0.0196
39	253.00	12	14530.	0.3	0.3	0.0556
40	252.00	17	74160.	1.6	1.6	0.2839*
41	251.00	8	2907.	0.1	0.1	0.0111
42	250.00	10	4730.	0.1	0.1	0.0181
43	245.00	12	9043.	0.2	0.2	0.0346*
44	244.00	21	61317.	1.3	1.3	0.2347*
45	243.00	29	630032.	13.7	13.7	2.4119*
46	242.00	51	4599296.	100.0	100.0	*17.60*
47	241.00	29	87352.	1.9	1.9	0.3344*
48	240.00	17	65302.	1.4	1.4	0.2500*
49	239.00	8	8913.	0.2	0.2	0.0341
50	231.00	8	4019.	0.1	0.1	0.0154
51	230.00	10	3688.	0.1	0.1	0.0141
52	229.00	10	3821.	0.1	0.1	0.0146
53	228.00	12	32656.	0.7	0.7	0.1250
54	227.00	14	56314.	1.2	1.2	0.2156
55	226.00	17	120320.	2.6	2.6	0.4606*

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	225.00	25	126420.	2.7	2.7	0.4840*
57	224.00	35	568576.	12.4	12.4	2.1766*
58	223.00	14	20315.	0.4	0.4	0.0778*
59	222.00	17	50841.	1.1	1.1	0.1946*
60	220.00	8	949.	0.0	0.0	0.0036
61	219.00	10	1619.	0.0	0.0	0.0062
62	217.00	6	770.	0.0	0.0	0.0030
63	216.00	10	10011.	0.2	0.2	0.0383
64	215.00	17	36267.	0.8	0.8	0.1388*
65	214.00	21	129060.	2.8	2.8	0.4941
66	213.00	10	13889.	0.3	0.3	0.0532
67	212.00	8	9045.	0.2	0.2	0.0377
68	211.00	8	5300.	0.1	0.1	0.0203
69	210.00	10	8367.	0.2	0.2	0.0320*
70	209.00	17	17910.	0.4	0.4	0.0686*
71	208.00	25	28927.	0.6	0.6	0.1107*
72	207.00	21	26220.	0.6	0.6	0.1004*
73	206.00	21	25164.	0.5	0.5	0.0963*
74	205.00	17	20705.	0.5	0.5	0.0796*
75	204.00	17	93424.	2.0	2.0	0.3576
76	203.00	14	25841.	0.6	0.6	0.0989*
77	202.00	17	93268.	2.0	2.0	0.3570*
78	201.00	14	50140.	1.1	1.1	0.1920
79	200.00	21	250264.	5.6	5.6	0.9007
80	199.00	17	26669.	0.6	0.6	0.1021*
81	198.00	17	103636.	2.3	2.3	0.3967*
82	197.00	14	43439.	0.9	0.9	0.1663
83	196.00	8	5320.	0.1	0.1	0.0204
84	195.00	14	24132.	0.5	0.5	0.0924*
85	194.00	17	87200.	1.9	1.9	0.3338*
86	193.00	8	5433.	0.1	0.1	0.0208
87	192.00	10	6650.	0.1	0.1	0.0255
88	191.00	8	6950.	0.2	0.2	0.0266
89	190.00	12	8652.	0.2	0.2	0.0331
90	189.00	10	1351.	0.0	0.0	0.0052
91	188.00	8	4983.	0.1	0.1	0.0191
92	187.00	12	11536.	0.3	0.3	0.0442*
93	186.00	21	42096.	0.9	0.9	0.1612*
94	185.00	10	9170.	0.2	0.2	0.0351*
95	184.00	10	19524.	0.4	0.4	0.0747
96	183.00	10	7716.	0.2	0.2	0.0295
97	182.00	10	15690.	0.3	0.3	0.0601
98	181.00	17	18690.	0.4	0.4	0.0715
99	180.00	14	36116.	0.8	0.8	0.1383*
100	179.00	12	23251.	0.5	0.5	0.0890
101	178.00	14	32006.	0.7	0.7	0.1225*
102	177.00	12	10322.	0.2	0.2	0.0395*
103	176.00	10	10162.	0.2	0.2	0.0389
104	175.00	10	14746.	0.3	0.3	0.0564*
105	174.00	25	69832.	1.5	1.5	0.2673*
106	173.00	25	130772.	2.8	2.8	0.5006*
107	172.00	25	196520.	4.3	4.3	0.7523*
108	171.00	14	32265.	0.7	0.7	0.1235*
109	170.00	14	26094.	0.6	0.6	0.0999
110	169.00	17	24601.	0.5	0.5	0.0942*

PAGE 3

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	168.00	8	3122.	0.1	0.1	0.0120
112	167.00	10	22231.	0.5	0.5	0.0851
113	166.00	17	49081.	1.1	1.1	0.1879
114	165.00	8	6548.	0.1	0.1	0.0251
115	164.00	10	10022.	0.2	0.2	0.0414*
116	163.00	8	1817.	0.0	0.0	0.0070
117	162.00	8	2528.	0.1	0.1	0.0097
118	161.00	10	1975.	0.0	0.0	0.0076
119	160.00	12	3463.	0.1	0.1	0.0133
120	159.00	12	13058.	0.3	0.3	0.0500
121	158.00	17	77240.	1.7	1.7	0.2957*
122	157.00	21	123368.	2.7	2.7	0.4723*
123	156.00	25	339216.	7.4	7.4	1.2986*
124	155.00	21	111064.	2.4	2.4	0.4252*
125	154.00	17	168340.	3.7	3.7	0.6444*
126	153.00	10	15649.	0.3	0.3	0.0599*
127	152.00	10	15183.	0.3	0.3	0.0581
128	150.00	10	11078.	0.2	0.2	0.0424
129	149.00	12	13488.	0.3	0.3	0.0516*
130	148.00	17	29011.	0.6	0.6	0.1111*
131	147.00	21	87440.	1.9	1.9	0.3347*
132	146.00	21	103136.	2.2	2.2	0.3948*
133	145.00	35	640256.	13.9	13.9	2.4510*
134	144.00	43	538624.	11.7	11.7	2.0619*
135	143.00	29	160932.	3.5	3.5	0.6161*
136	142.00	17	58845.	1.3	1.3	0.2253*
137	141.00	12	27886.	0.6	0.6	0.1068*
138	140.00	17	57005.	1.2	1.2	0.2182
139	139.00	10	4566.	0.1	0.1	0.0175
140	138.00	8	4365.	0.1	0.1	0.0167
141	137.00	10	2616.	0.1	0.1	0.0100
142	136.00	10	7698.	0.2	0.2	0.0295*
143	135.00	8	4270.	0.1	0.1	0.0163
144	134.00	12	14189.	0.3	0.3	0.0543*
145	133.00	14	41063.	0.9	0.9	0.1572
146	132.00	21	237220.	5.2	5.2	0.9081*
147	131.00	25	489808.	10.6	10.6	1.8751*
148	130.00	35	923312.	20.1	20.1	3.5346*
149	129.00	59	1410624.	30.7	30.7	5.4001*
150	128.00	43	750528.	16.3	16.3	2.8731*
151	127.00	43	468768.	10.2	10.2	1.7945*
152	126.00	21	53502.	1.2	1.2	0.2048*
153	125.00	14	16549.	0.4	0.4	0.0634*
154	124.00	10	3159.	0.1	0.1	0.0121
155	123.00	10	4537.	0.1	0.1	0.0174*
156	122.00	14	17652.	0.4	0.4	0.0676*
157	121.00	10	4553.	0.1	0.1	0.0174
158	120.00	12	21361.	0.5	0.5	0.0818
159	119.00	21	88536.	1.9	1.9	0.3389*
160	118.00	21	78684.	1.7	1.7	0.3012*
161	117.00	29	399632.	8.7	8.7	1.5299*
162	116.00	29	373392.	8.1	8.1	1.4294*
163	115.00	35	582304.	12.7	12.7	2.2292*
164	114.00	25	70020.	1.5	1.5	0.2681*
165	113.00	17	37899.	0.8	0.8	0.1451*

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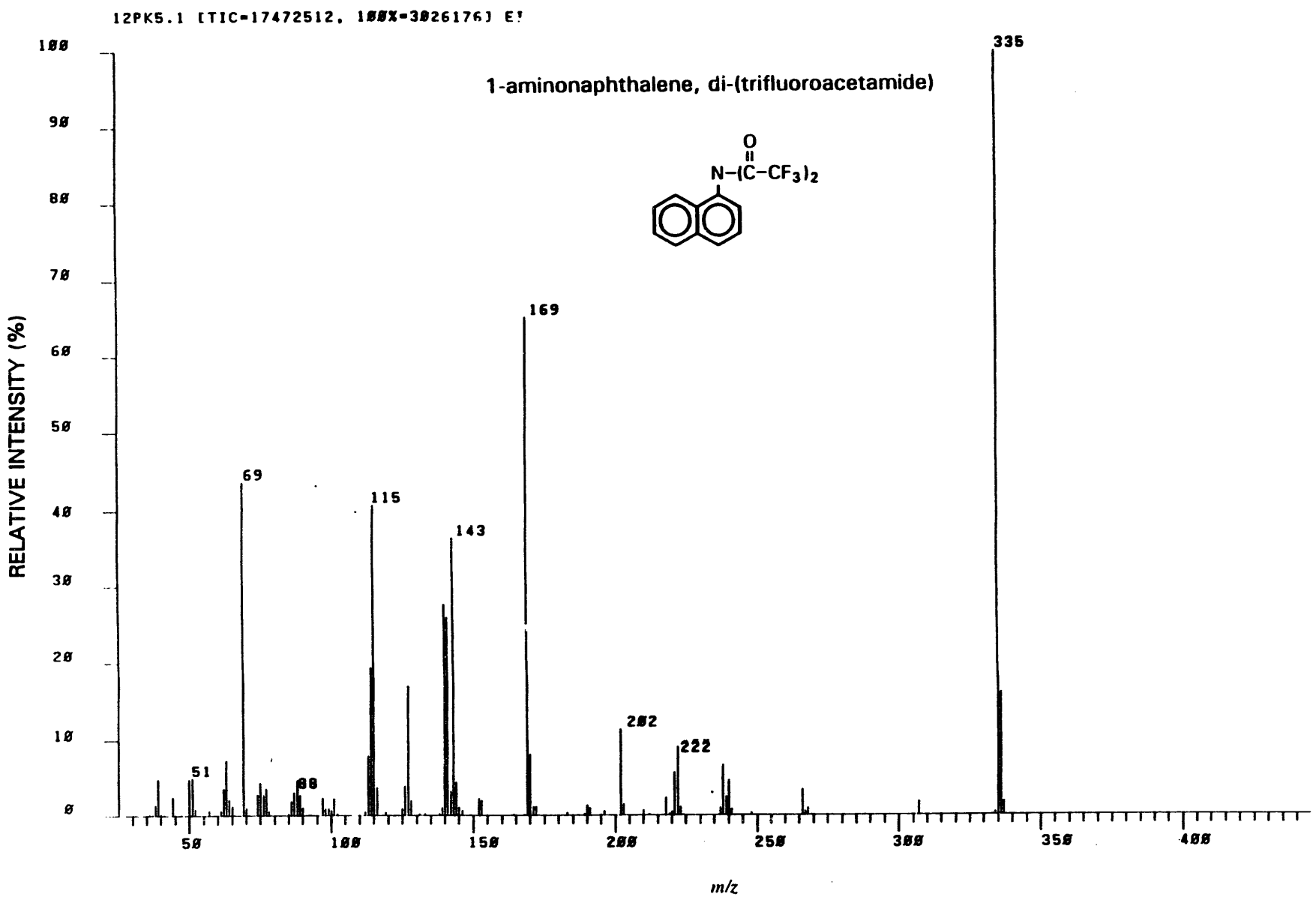
PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
166	112.00	8	3301.	0.1	0.1	0.0126
167	111.00	6	772.	0.0	0.0	0.0030
168	109.00	14	32847.	0.7	0.7	0.1257
169	108.00	10	5551.	0.1	0.1	0.0213*
170	107.00	17	32702.	0.7	0.7	0.1255
171	106.00	17	23898.	0.5	0.5	0.0915*
172	105.00	17	44915.	1.0	1.0	0.1719
173	104.00	21	90984.	2.0	2.0	0.3483*
174	103.00	21	232088.	5.1	5.1	0.8915
175	102.00	21	140392.	3.1	3.1	0.5374*
176	101.00	17	86200.	1.9	1.9	0.3300*
177	100.00	10	13370.	0.3	0.3	0.0512
178	99.00	12	10464.	0.2	0.2	0.0401
179	98.00	8	9494.	0.2	0.2	0.0363
180	97.00	17	86564.	1.9	1.9	0.3314
181	96.00	10	20883.	0.5	0.5	0.0799*
182	95.00	10	5820.	0.1	0.1	0.0223*
183	93.00	10	13170.	0.3	0.3	0.0504*
184	92.00	21	64816.	1.4	1.4	0.2481*
185	91.00	29	697400.	15.2	15.2	2.6698*
186	90.00	21	238284.	5.2	5.2	0.9122*
187	89.00	25	237376.	5.2	5.2	0.9087*
188	88.00	21	56094.	1.2	1.2	0.2147*
189	87.00	17	26157.	0.6	0.6	0.1001*
190	86.00	8	7760.	0.2	0.2	0.0297
191	85.00	12	12938.	0.3	0.3	0.0495*
192	84.00	8	1489.	0.0	0.0	0.0057
193	83.00	8	5717.	0.1	0.1	0.0219
194	82.00	8	1209.	0.0	0.0	0.0046
195	81.00	10	8427.	0.2	0.2	0.0323*
196	80.00	10	11363.	0.2	0.2	0.0435*
197	79.00	17	55215.	1.2	1.2	0.2114
198	78.00	25	165900.	3.6	3.6	0.6351
199	77.00	21	462000.	10.0	10.0	1.7689
200	76.00	21	107004.	2.3	2.3	0.4099*
201	75.00	17	85936.	1.9	1.9	0.3290
202	74.00	14	35706.	0.8	0.8	0.1367*
203	73.00	12	4004.	0.1	0.1	0.0153
204	72.00	8	3732.	0.1	0.1	0.0143
205	71.00	8	8307.	0.2	0.2	0.0318
206	70.00	25	45405.	1.0	1.0	0.1738*
207	69.00	51	1881344.	40.9	40.9	7.2021*
208	68.00	12	12581.	0.3	0.3	0.0482*
209	67.00	14	21107.	0.5	0.5	0.0808*
210	66.00	17	46236.	1.0	1.0	0.1770
211	65.00	21	190744.	4.1	4.1	0.7302*
212	64.00	21	104252.	2.3	2.3	0.3991*
213	63.00	25	225140.	4.9	4.9	0.8619*
214	62.00	17	60632.	1.3	1.3	0.2321*
215	61.00	8	3666.	0.1	0.1	0.0140
216	60.00	8	1526.	0.0	0.0	0.0058
217	58.00	12	7136.	0.2	0.2	0.0273*
218	57.00	17	45436.	1.0	1.0	0.1739*
219	56.00	10	12416.	0.3	0.3	0.0475*
220	55.00	17	37927.	0.8	0.8	0.1452

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
221	54.00	12	31901.	0.7	0.7	0.1221
222	53.00	21	174172.	3.8	3.8	0.6668
223	52.00	17	98060.	2.1	2.1	0.3754
224	51.00	25	296272.	6.4	6.4	1.1342*
225	50.00	21	171460.	3.7	3.7	0.6564
226	49.00	6	3245.	0.1	0.1	0.0124
227	47.00	10	11829.	0.3	0.3	0.0453*
228	46.00	6	2020.	0.0	0.0	0.0077
229	45.00	8	7073.	0.2	0.2	0.0301
230	44.00	17	58976.	1.3	1.3	0.2258
231	43.00	12	30765.	0.7	0.7	0.1178
232	42.00	12	7864.	0.2	0.2	0.0301
233	41.00	21	167096.	3.6	3.6	0.6397
234	40.00	21	52816.	1.1	1.1	0.2022*
235	39.00	21	375024.	8.2	8.2	1.4357
236	38.00	21	60132.	1.3	1.3	0.2302*
237	37.00	8	6060.	0.1	0.1	0.0232
238	36.00	14	31393.	0.7	0.7	0.1202
239	35.00	8	2466.	0.1	0.1	0.0094


12PK5.1 [TIC=17472512, 100%=3026176] EI
1-aminonaphthalene, di-(trifluoroacetamide)
O
N-(C-CF3)2
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
335
169
69
115
143
282
222
51
88
50
100
150
200
250
300
350
400
m/z

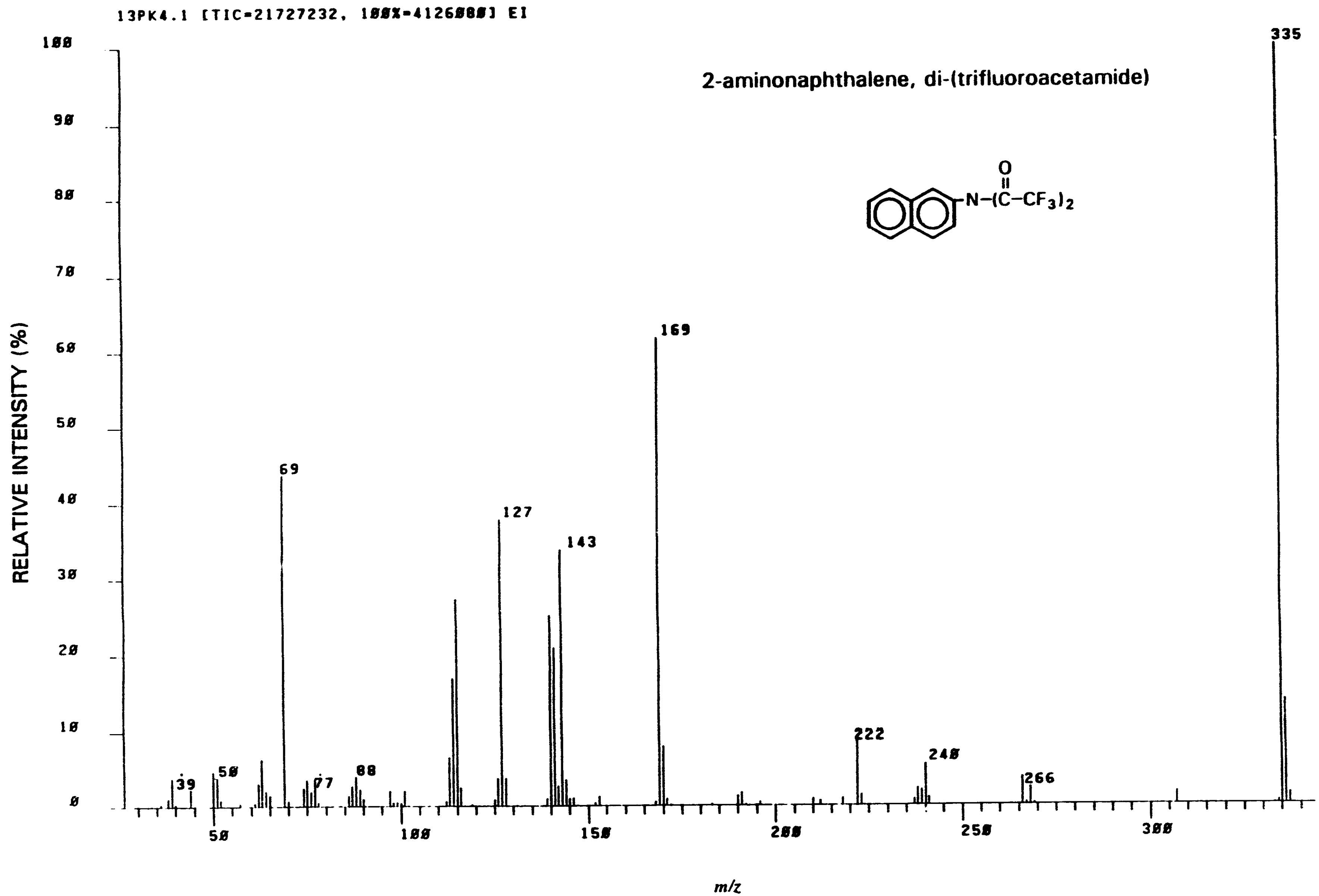
PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	431.00	6	715.	0.0	0.0	0.0041
2	338.00	8	2587.	0.1	0.1	0.0148
3	337.00	14	55800.	1.8	1.8	0.3194*
4	336.00	25	489776.	16.2	16.2	2.8031*
5	335.00	35	3026176.	100.0	100.0	*17.31*
6	334.00	14	14782.	0.5	0.5	0.0846*
7	333.00	8	2725.	0.1	0.1	0.0156
8	308.00	6	2828.	0.1	0.1	0.0162
9	307.00	12	55998.	1.9	1.9	0.3205
10	288.00	10	4426.	0.1	0.1	0.0253
11	269.00	8	2998.	0.1	0.1	0.0172
12	268.00	10	30950.	1.0	1.0	0.1771
13	267.00	8	15706.	0.5	0.5	0.0899
14	266.00	17	103976.	3.4	3.4	0.5951
15	248.00	10	12619.	0.4	0.4	0.0722
16	241.00	10	25969.	0.9	0.9	0.1486
17	240.00	17	142276.	4.7	4.7	0.8143
18	239.00	14	77776.	2.6	2.6	0.4451
19	238.00	17	204544.	6.8	6.8	1.1707
20	237.00	12	30290.	1.0	1.0	0.1734
21	231.00	8	2015.	0.1	0.1	0.0115
22	224.00	8	2410.	0.1	0.1	0.0138
23	223.00	12	37131.	1.2	1.2	0.2125
24	222.00	17	276000.	9.1	9.1	1.5796
25	221.00	17	174336.	5.8	5.8	0.9978
26	220.00	8	17043.	0.6	0.6	0.0975
27	219.00	8	8338.	0.3	0.3	0.0477
28	218.00	14	70348.	2.3	2.3	0.4026
29	212.00	8	7330.	0.2	0.2	0.0420
30	211.00	6	1620.	0.1	0.1	0.0093
31	210.00	10	22129.	0.7	0.7	0.1267
32	204.00	10	1204.	0.0	0.0	0.0069
33	203.00	12	47270.	1.6	1.6	0.2705
34	202.00	17	343584.	11.4	11.4	1.9664
35	200.00	6	1327.	0.0	0.0	0.0076
36	197.00	6	1331.	0.0	0.0	0.0076
37	196.00	12	20283.	0.7	0.7	0.1161
38	195.00	8	2867.	0.1	0.1	0.0164
39	191.00	12	31562.	1.0	1.0	0.1806
40	190.00	12	41521.	1.4	1.4	0.2376
41	189.00	8	9338.	0.3	0.3	0.0534
42	187.00	8	3541.	0.1	0.1	0.0203
43	183.00	10	11210.	0.4	0.4	0.0642
44	181.00	8	1332.	0.0	0.0	0.0076
45	177.00	8	661.	0.0	0.0	0.0038
46	173.00	8	3429.	0.1	0.1	0.0196
47	172.00	12	36145.	1.2	1.2	0.2069
48	171.00	10	35966.	1.2	1.2	0.2058*
49	170.00	17	246440.	8.1	8.1	1.4104*
50	169.00	35	1973056.	65.2	65.2	*11.29*
51	168.00	10	5533.	0.2	0.2	0.0317
52	167.00	8	2219.	0.1	0.1	0.0127
53	164.00	6	5163.	0.2	0.2	0.0295
54	163.00	10	1574.	0.1	0.1	0.0090
55	158.00	6	1722.	0.1	0.1	0.0099

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	154.00	8	2159.	0.1	0.1	0.0124
57	153.00	14	61962.	2.0	2.0	0.3546
58	152.00	14	69592.	2.3	2.3	0.3983
59	151.00	6	1405.	0.0	0.0	0.0080
60	146.00	10	21054.	0.7	0.7	0.1205*
61	145.00	12	34657.	1.1	1.1	0.1984
62	144.00	17	133100.	4.4	4.4	0.7622*
63	143.00	25	1102464.	36.4	36.4	6.3097*
64	142.00	17	98296.	3.2	3.2	0.5626
65	141.00	25	787200.	26.0	26.0	4.5058*
66	140.00	25	838352.	27.7	27.7	4.7981*
67	139.00	14	33660.	1.1	1.1	0.1926*
68	138.00	8	7659.	0.3	0.3	0.0438
69	133.00	10	8699.	0.3	0.3	0.0498
70	131.00	12	8828.	0.3	0.3	0.0505
71	128.00	12	62122.	2.1	2.1	0.3555
72	127.00	21	513376.	17.0	17.0	2.9382*
73	126.00	17	120000.	4.0	4.0	0.6873
74	125.00	12	28248.	0.9	0.9	0.1617
75	123.00	6	1115.	0.0	0.0	0.0064
76	119.00	14	13778.	0.5	0.5	0.0789*
77	116.00	17	113328.	3.7	3.7	0.6486
78	115.00	29	1234240.	40.8	40.8	7.0639*
79	114.00	17	588256.	19.4	19.4	3.3668
80	113.00	21	241920.	8.0	8.0	1.3846*
81	112.00	10	17232.	0.6	0.6	0.0986
82	111.00	8	2325.	0.1	0.1	0.0133
83	110.00	8	1545.	0.1	0.1	0.0088
84	102.00	8	9225.	0.3	0.3	0.0528
85	101.00	17	69644.	2.3	2.3	0.3986
86	100.00	12	21836.	0.7	0.7	0.1250
87	99.00	10	28537.	0.9	0.9	0.1633
88	98.00	10	27801.	0.9	0.9	0.1591
89	97.00	17	70836.	2.3	2.3	0.4054
90	93.00	10	4248.	0.1	0.1	0.0243*
91	92.00	8	5098.	0.2	0.2	0.0292
92	91.00	17	1890.	0.1	0.1	0.0108*
93	90.00	12	34720.	1.1	1.1	0.1987
94	89.00	17	85684.	2.8	2.8	0.4904
95	88.00	17	143768.	4.8	4.8	0.8228
96	87.00	17	95052.	3.1	3.1	0.5440
97	86.00	12	59537.	2.0	2.0	0.3407
98	85.00	8	8934.	0.3	0.3	0.0511
99	84.00	8	2059.	0.1	0.1	0.0118
100	78.00	10	18562.	0.6	0.6	0.1062
101	77.00	17	110472.	3.7	3.7	0.6323
102	76.00	17	83764.	2.8	2.8	0.4794*
103	75.00	17	131592.	4.3	4.3	0.7531
104	74.00	17	87496.	2.9	2.9	0.5008
105	73.00	8	1877.	0.1	0.1	0.0107
106	71.00	6	4594.	0.2	0.2	0.0263
107	70.00	14	31684.	1.0	1.0	0.1813*
108	69.00	21	1322240.	43.7	43.7	7.5675*
109	66.00	6	2639.	0.1	0.1	0.0151
110	65.00	12	39916.	1.3	1.3	0.2285

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	64.00	17	64133.	2.1	2.1	0.3671*
112	63.00	17	225792.	7.5	7.5	1.2923
113	62.00	17	109208.	3.6	3.6	0.6250*
114	61.00	12	22094.	0.7	0.7	0.1265*
115	57.00	10	21295.	0.7	0.7	0.1219*
116	56.00	6	834.	0.0	0.0	0.0048
117	52.00	12	27353.	0.9	0.9	0.1565
118	51.00	17	151528.	5.0	5.0	0.8672
119	50.00	21	146844.	4.9	4.9	0.8404
120	47.00	6	3409.	0.1	0.1	0.0195
121	45.00	8	4376.	0.1	0.1	0.0250
122	44.00	17	77796.	2.6	2.6	0.4452*
123	41.00	6	2826.	0.1	0.1	0.0162
124	40.00	8	7376.	0.2	0.2	0.0422
125	39.00	17	147324.	4.9	4.9	0.8432
126	38.00	14	47128.	1.6	1.6	0.2697
127	37.00	8	5766.	0.2	0.2	0.0330
128	36.00	12	6796.	0.2	0.2	0.0389


13PK4.1 [TIC=21727232, 100%=4126000] EI
2-aminonaphthalene, di-(trifluoroacetamide)
N–(C–CF3)2
O
335
169
69
127
143
222
240
266
39
50
77
88
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
50
100
150
200
250
300
m/z

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	338.00	8	3262.	0.1	0.1	0.0126
2	337.00	14	73416.	1.5	1.5	0.2833
3	336.00	25	701008.	14.2	14.2	2.7049*
4	335.00	43	4953856.	100.0	100.0	*19.11*
5	334.00	14	26888.	0.5	0.5	0.1037*
6	333.00	8	9741.	0.2	0.2	0.0376
7	319.00	6	1330.	0.0	0.0	0.0051
8	308.00	8	4396.	0.1	0.1	0.0170
9	307.00	14	82632.	1.7	1.7	0.3188
10	288.00	10	2374.	0.0	0.0	0.0092
11	270.00	6	1682.	0.0	0.0	0.0065
12	269.00	10	13718.	0.3	0.3	0.0529
13	268.00	14	116916.	2.4	2.4	0.4511
14	267.00	10	26243.	0.5	0.5	0.1013
15	266.00	17	191320.	3.9	3.9	0.7382*
16	241.00	12	52455.	1.1	1.1	0.2024
17	240.00	17	277728.	5.6	5.6	1.0716
18	239.00	14	105596.	2.1	2.1	0.4074
19	238.00	17	117160.	2.4	2.4	0.4521
20	237.00	10	40361.	0.8	0.8	0.1557
21	223.00	12	73644.	1.5	1.5	0.2842
22	222.00	17	448832.	9.1	9.1	1.7318*
23	221.00	6	1292.	0.0	0.0	0.0050
24	220.00	6	1852.	0.0	0.0	0.0071
25	219.00	8	5511.	0.1	0.1	0.0213
26	218.00	12	51356.	1.0	1.0	0.1982
27	214.00	6	993.	0.0	0.0	0.0038
28	213.00	6	839.	0.0	0.0	0.0032
29	212.00	10	36118.	0.7	0.7	0.1394
30	211.00	8	3802.	0.1	0.1	0.0147
31	210.00	12	44457.	0.9	0.9	0.1715
32	209.00	8	3229.	0.1	0.1	0.0125
33	196.00	8	24138.	0.5	0.5	0.0931
34	195.00	8	3643.	0.1	0.1	0.0141
35	192.00	8	7255.	0.1	0.1	0.0280
36	191.00	14	89672.	1.8	1.8	0.3460
37	190.00	12	69972.	1.4	1.4	0.2700
38	183.00	8	14099.	0.3	0.3	0.0544
39	182.00	6	479.	0.0	0.0	0.0018
40	181.00	8	1638.	0.0	0.0	0.0063
41	177.00	6	1102.	0.0	0.0	0.0043
42	173.00	6	954.	0.0	0.0	0.0037
43	172.00	8	5502.	0.1	0.1	0.0212
44	171.00	12	44439.	0.9	0.9	0.1715*
45	170.00	21	388784.	7.8	7.8	1.5001*
46	169.00	35	3037184.	61.3	61.3	*11.71*
47	168.00	12	30906.	0.6	0.6	0.1192*
48	164.00	6	2360.	0.0	0.0	0.0091
49	154.00	8	920.	0.0	0.0	0.0035
50	153.00	12	67440.	1.4	1.4	0.2602
51	152.00	10	19200.	0.4	0.4	0.0741
52	151.00	8	3631.	0.1	0.1	0.0140
53	147.00	8	4204.	0.1	0.1	0.0162
54	146.00	12	51910.	1.0	1.0	0.2003*
55	145.00	12	55450.	1.1	1.1	0.2140

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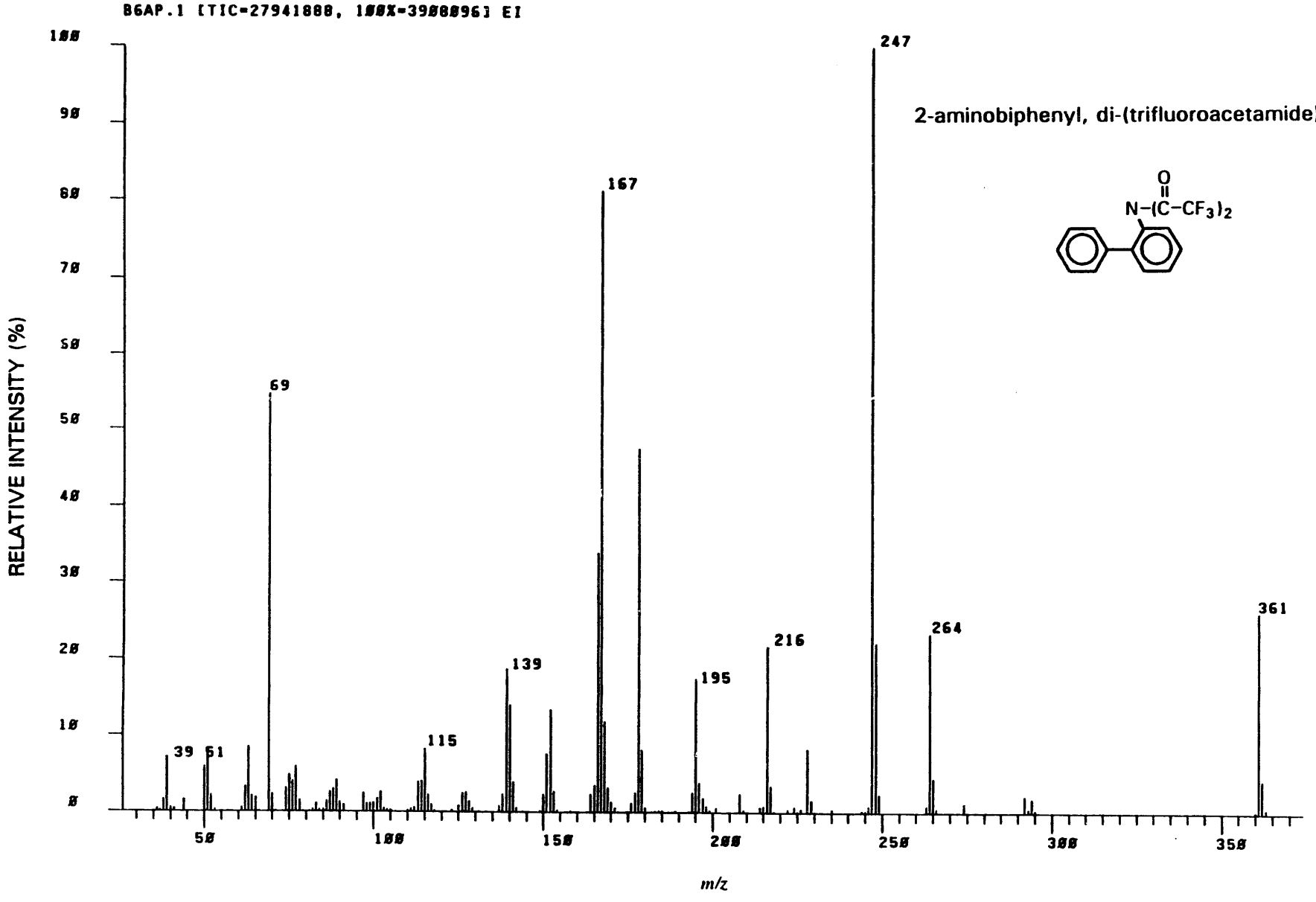
PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	144.00	17	179016.	3.6	3.6	0.6907
57	143.00	25	1668928.	33.7	33.7	6.4397*
58	142.00	17	133612.	2.7	2.7	0.5155*
59	141.00	25	1018416.	20.6	20.6	3.9296*
60	140.00	25	1246528.	25.2	25.2	4.8098*
61	139.00	12	52204.	1.1	1.1	0.2014*
62	138.00	8	11705.	0.2	0.2	0.0452
63	137.00	6	741.	0.0	0.0	0.0029
64	133.00	6	3811.	0.1	0.1	0.0147
65	131.00	12	7235.	0.1	0.1	0.0279
66	129.00	8	1486.	0.0	0.0	0.0057
67	128.00	17	188520.	3.8	3.8	0.7274*
68	127.00	29	1865472.	37.7	37.7	7.1980*
69	126.00	17	190624.	3.8	3.8	0.7355
70	125.00	12	49750.	1.0	1.0	0.1920*
71	119.00	10	13083.	0.3	0.3	0.0505
72	118.00	6	854.	0.0	0.0	0.0033
73	117.00	14	4301.	0.1	0.1	0.0166*
74	116.00	14	125180.	2.5	2.5	0.4830
75	115.00	25	1346944.	27.2	27.2	5.1973*
76	114.00	21	828200.	16.7	16.7	3.1957*
77	113.00	17	309520.	6.2	6.2	1.1943
78	112.00	12	30362.	0.6	0.6	0.1172
79	111.00	8	5842.	0.1	0.1	0.0225
80	110.00	6	985.	0.0	0.0	0.0038
81	102.00	8	8607.	0.2	0.2	0.0332
82	101.00	17	98820.	2.0	2.0	0.3813
83	100.00	10	26528.	0.5	0.5	0.1024*
84	99.00	12	32866.	0.7	0.7	0.1268*
85	98.00	10	24599.	0.5	0.5	0.0949
86	97.00	17	103472.	2.1	2.1	0.3993
87	93.00	8	2498.	0.1	0.1	0.0096
88	92.00	8	5711.	0.1	0.1	0.0220
89	90.00	14	51193.	1.0	1.0	0.1975
90	89.00	17	115392.	2.3	2.3	0.4452
91	88.00	17	204596.	4.1	4.1	0.7894
92	87.00	17	138552.	2.8	2.8	0.5346
93	86.00	14	69420.	1.4	1.4	0.2679
94	85.00	6	2297.	0.0	0.0	0.0089
95	84.00	8	3953.	0.1	0.1	0.0153
96	78.00	10	27101.	0.5	0.5	0.1046*
97	77.00	17	180816.	3.7	3.7	0.6977
98	76.00	17	102168.	2.1	2.1	0.3942*
99	75.00	17	171476.	3.5	3.5	0.6617
100	74.00	17	118388.	2.4	2.4	0.4568
101	73.00	10	4706.	0.1	0.1	0.0182
102	70.00	14	35501.	0.7	0.7	0.1370*
103	69.00	25	2139520.	43.2	43.2	8.2555*
104	65.00	14	72740.	1.5	1.5	0.2807*
105	64.00	17	103196.	2.1	2.1	0.3982*
106	63.00	21	310720.	6.3	6.3	1.1989
107	62.00	17	148572.	3.0	3.0	0.5733
108	61.00	12	29263.	0.6	0.6	0.1129
109	57.00	10	21151.	0.4	0.4	0.0816*
110	53.00	8	1050.	0.0	0.0	0.0041

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	52.00	12	42565.	0.9	0.9	0.1642
112	51.00	21	193796.	3.9	3.9	0.7478
113	50.00	21	226976.	4.6	4.6	0.8758*
114	49.00	6	1127.	0.0	0.0	0.0043
115	47.00	14	4342.	0.1	0.1	0.0168
116	45.00	8	3628.	0.1	0.1	0.0140
117	44.00	17	126960.	2.6	2.6	0.4899*
118	41.00	10	5027.	0.1	0.1	0.0194
119	40.00	10	15924.	0.3	0.3	0.0614*
120	39.00	21	180880.	3.7	3.7	0.6979
121	38.00	12	58179.	1.2	1.2	0.2245
122	37.00	6	844.	0.0	0.0	0.0033
123	36.00	10	19547.	0.4	0.4	0.0754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RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
50
100
150
200
250
300
350
m/z
247
167
69
139
115
195
216
264
361
39
61
2-aminobiphenyl, di-(trifluoroacetamide)
O
N-(C-CF3)2

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PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	365.00	6	681.	0.0	0.0	0.0022
2	363.00	12	23881.	0.6	0.6	0.0855*
3	362.00	21	167492.	4.3	4.3	0.5994*
4	361.00	35	1022352.	26.2	26.2	3.6589*
5	360.00	12	10526.	0.3	0.3	0.0377*
6	359.00	8	855.	0.0	0.0	0.0031
7	353.00	6	1017.	0.0	0.0	0.0036
8	344.00	6	942.	0.0	0.0	0.0034
9	343.00	6	1040.	0.0	0.0	0.0037
10	342.00	12	4709.	0.1	0.1	0.0169
11	332.00	8	1136.	0.0	0.0	0.0041
12	322.00	8	671.	0.0	0.0	0.0024
13	314.00	8	901.	0.0	0.0	0.0032
14	313.00	6	1066.	0.0	0.0	0.0038
15	296.00	10	2896.	0.1	0.1	0.0104
16	295.00	8	15798.	0.4	0.4	0.0565
17	294.00	17	74580.	1.9	1.9	0.2669*
18	293.00	10	21549.	0.6	0.6	0.0771
19	292.00	14	84940.	2.2	2.2	0.3040
20	291.00	10	1252.	0.0	0.0	0.0045
21	281.00	6	1059.	0.0	0.0	0.0038
22	275.00	8	2387.	0.1	0.1	0.0085
23	274.00	14	47125.	1.2	1.2	0.1687
24	273.00	8	2456.	0.1	0.1	0.0088
25	272.00	8	3331.	0.1	0.1	0.0119
26	267.00	6	2265.	0.1	0.1	0.0081
27	266.00	14	25379.	0.6	0.6	0.0908*
28	265.00	21	172032.	4.4	4.4	0.6157*
29	264.00	35	910704.	23.3	23.3	3.2593*
30	263.00	17	37794.	1.0	1.0	0.1353*
31	262.00	8	1298.	0.0	0.0	0.0046
32	250.00	6	1775.	0.0	0.0	0.0064
33	249.00	17	93288.	2.4	2.4	0.3339*
34	248.00	35	865664.	22.2	22.2	3.0981*
35	247.00	51	3900896.	100.0	100.0	*13.98*
36	246.00	21	33170.	0.8	0.8	0.1187*
37	245.00	12	10234.	0.3	0.3	0.0366*
38	244.00	10	12687.	0.3	0.3	0.0454
39	243.00	10	1856.	0.0	0.0	0.0066
40	242.00	6	707.	0.0	0.0	0.0025
41	237.00	6	830.	0.0	0.0	0.0030
42	236.00	6	1851.	0.0	0.0	0.0066
43	235.00	10	18077.	0.5	0.5	0.0647
44	234.00	8	1174.	0.0	0.0	0.0042
45	230.00	8	6141.	0.2	0.2	0.0220
46	229.00	14	62477.	1.6	1.6	0.2236
47	228.00	21	324784.	8.3	8.3	1.1624
48	227.00	8	2236.	0.1	0.1	0.0080
49	226.00	10	20174.	0.5	0.5	0.0722
50	225.00	10	6776.	0.2	0.2	0.0243
51	224.00	14	34275.	0.9	0.9	0.1227*
52	223.00	6	1036.	0.0	0.0	0.0037
53	222.00	10	17778.	0.5	0.5	0.0636
54	219.00	6	1121.	0.0	0.0	0.0040
55	218.00	12	7779.	0.2	0.2	0.0278

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PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	217.00	21	135116.	3.5	3.5	0.4836*
57	216.00	29	846360.	21.7	21.7	3.0290*
58	215.00	17	34060.	0.9	0.9	0.1219*
59	214.00	14	29232.	0.7	0.7	0.1046*
60	213.00	8	2147.	0.1	0.1	0.0077
61	210.00	10	6313.	0.2	0.2	0.0226*
62	209.00	10	14653.	0.4	0.4	0.0524
63	208.00	17	96732.	2.5	2.5	0.3462
64	207.00	14	3128.	0.1	0.1	0.0112
65	204.00	8	2612.	0.1	0.1	0.0093
66	202.00	8	5846.	0.1	0.1	0.0209
67	201.00	12	27955.	0.7	0.7	0.1000
68	200.00	10	3031.	0.1	0.1	0.0108
69	199.00	10	10748.	0.3	0.3	0.0385
70	198.00	17	38204.	1.0	1.0	0.1367*
71	197.00	21	73596.	1.9	1.9	0.2634*
72	196.00	21	152776.	3.9	3.9	0.5468*
73	195.00	35	685296.	17.5	17.5	2.4526*
74	194.00	21	102020.	2.6	2.6	0.3680*
75	193.00	10	7129.	0.2	0.2	0.0255*
76	191.00	25	2990.	0.1	0.1	0.0107*
77	190.00	6	1617.	0.0	0.0	0.0058
78	189.00	12	7701.	0.2	0.2	0.0276
79	188.00	8	9117.	0.2	0.2	0.0326*
80	187.00	8	3264.	0.1	0.1	0.0117
81	185.00	10	10954.	0.3	0.3	0.0392
82	184.00	10	16080.	0.4	0.4	0.0575
83	183.00	10	8745.	0.2	0.2	0.0313
84	182.00	10	6116.	0.2	0.2	0.0219
85	181.00	10	3677.	0.1	0.1	0.0132
86	180.00	12	28639.	0.7	0.7	0.1025
87	179.00	29	319744.	8.2	8.2	1.1443*
88	178.00	51	1850752.	47.4	47.4	6.6236*
89	177.00	25	102876.	2.6	2.6	0.3682*
90	176.00	25	51250.	1.3	1.3	0.1834*
91	175.00	12	5182.	0.1	0.1	0.0185*
92	173.00	8	1122.	0.0	0.0	0.0040
93	172.00	14	3904.	0.1	0.1	0.0140*
94	171.00	17	24217.	0.6	0.6	0.0867*
95	170.00	21	54624.	1.4	1.4	0.1955*
96	169.00	35	126112.	3.2	3.2	0.4513*
97	168.00	43	462176.	11.8	11.8	1.6541*
98	167.00	59	3174336.	81.2	81.2	*11.36*
99	166.00	59	1321200.	33.8	33.8	4.7287*
100	165.00	43	137804.	3.5	3.5	0.4932*
101	164.00	21	92492.	2.4	2.4	0.3310*
102	163.00	10	5632.	0.1	0.1	0.0202
103	162.00	6	911.	0.0	0.0	0.0033
104	161.00	6	1550.	0.0	0.0	0.0055
105	159.00	10	3470.	0.1	0.1	0.0124
106	158.00	8	7326.	0.2	0.2	0.0262
107	157.00	6	2980.	0.1	0.1	0.0107
108	154.00	14	14551.	0.4	0.4	0.0521*
109	153.00	17	108972.	2.8	2.8	0.3900
110	152.00	35	520576.	13.3	13.3	1.8631*

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PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	151.00	21	296960.	7.6	7.6	1.0628*
112	150.00	21	94000.	2.4	2.4	0.3364*
113	149.00	10	12270.	0.3	0.3	0.0439*
114	146.00	8	2009.	0.1	0.1	0.0101
115	145.00	8	4794.	0.1	0.1	0.0172
116	144.00	10	6988.	0.2	0.2	0.0250*
117	143.00	12	6262.	0.2	0.2	0.0224
118	142.00	17	25128.	0.6	0.6	0.0899*
119	141.00	21	155204.	4.0	4.0	0.5555*
120	140.00	25	547904.	14.0	14.0	1.9609*
121	139.00	35	730272.	18.7	18.7	2.6135*
122	138.00	29	91320.	2.3	2.3	0.3268*
123	137.00	14	32612.	0.8	0.8	0.1167*
124	134.00	10	1433.	0.0	0.0	0.0051
125	133.00	10	3953.	0.1	0.1	0.0141
126	132.00	8	2427.	0.1	0.1	0.0087
127	131.00	17	3940.	0.1	0.1	0.0141*
128	130.00	14	4873.	0.1	0.1	0.0174*
129	129.00	21	24312.	0.6	0.6	0.0870*
130	128.00	21	55750.	1.4	1.4	0.1995*
131	127.00	21	103476.	2.6	2.6	0.3703*
132	126.00	17	98388.	2.5	2.5	0.3521*
133	125.00	14	32310.	0.8	0.8	0.1156*
134	124.00	10	6103.	0.2	0.2	0.0218
135	123.00	14	12656.	0.3	0.3	0.0453*
136	122.00	6	2525.	0.1	0.1	0.0090
137	119.00	10	6232.	0.2	0.2	0.0223*
138	118.00	17	10690.	0.3	0.3	0.0383*
139	117.00	17	39346.	1.0	1.0	0.1408*
140	116.00	17	87960.	2.3	2.3	0.3148*
141	115.00	21	321952.	8.2	8.2	1.1522*
142	114.00	21	158616.	4.1	4.1	0.5677*
143	113.00	17	153956.	3.9	3.9	0.5510*
144	112.00	12	25980.	0.7	0.7	0.0930
145	111.00	10	16608.	0.4	0.4	0.0594
146	110.00	10	11830.	0.3	0.3	0.0423
147	109.00	6	2414.	0.1	0.1	0.0086
148	108.00	10	1780.	0.0	0.0	0.0064
149	107.00	8	1889.	0.0	0.0	0.0068
150	106.00	12	2997.	0.1	0.1	0.0107*
151	105.00	10	10895.	0.3	0.3	0.0390
152	104.00	12	13302.	0.3	0.3	0.0476
153	103.00	12	22165.	0.6	0.6	0.0793
154	102.00	17	103160.	2.6	2.6	0.3692
155	101.00	17	71044.	1.8	1.8	0.2543*
156	100.00	17	45532.	1.2	1.2	0.1630*
157	99.00	14	43032.	1.1	1.1	0.1540
158	98.00	17	42243.	1.1	1.1	0.1512*
159	97.00	17	96212.	2.5	2.5	0.3443
160	96.00	8	3361.	0.1	0.1	0.0120
161	95.00	17	2922.	0.1	0.1	0.0105*
162	93.00	6	835.	0.0	0.0	0.0030
163	92.00	6	1525.	0.0	0.0	0.0055
164	91.00	17	37826.	1.0	1.0	0.1354*
165	90.00	14	50529.	1.3	1.3	0.1808

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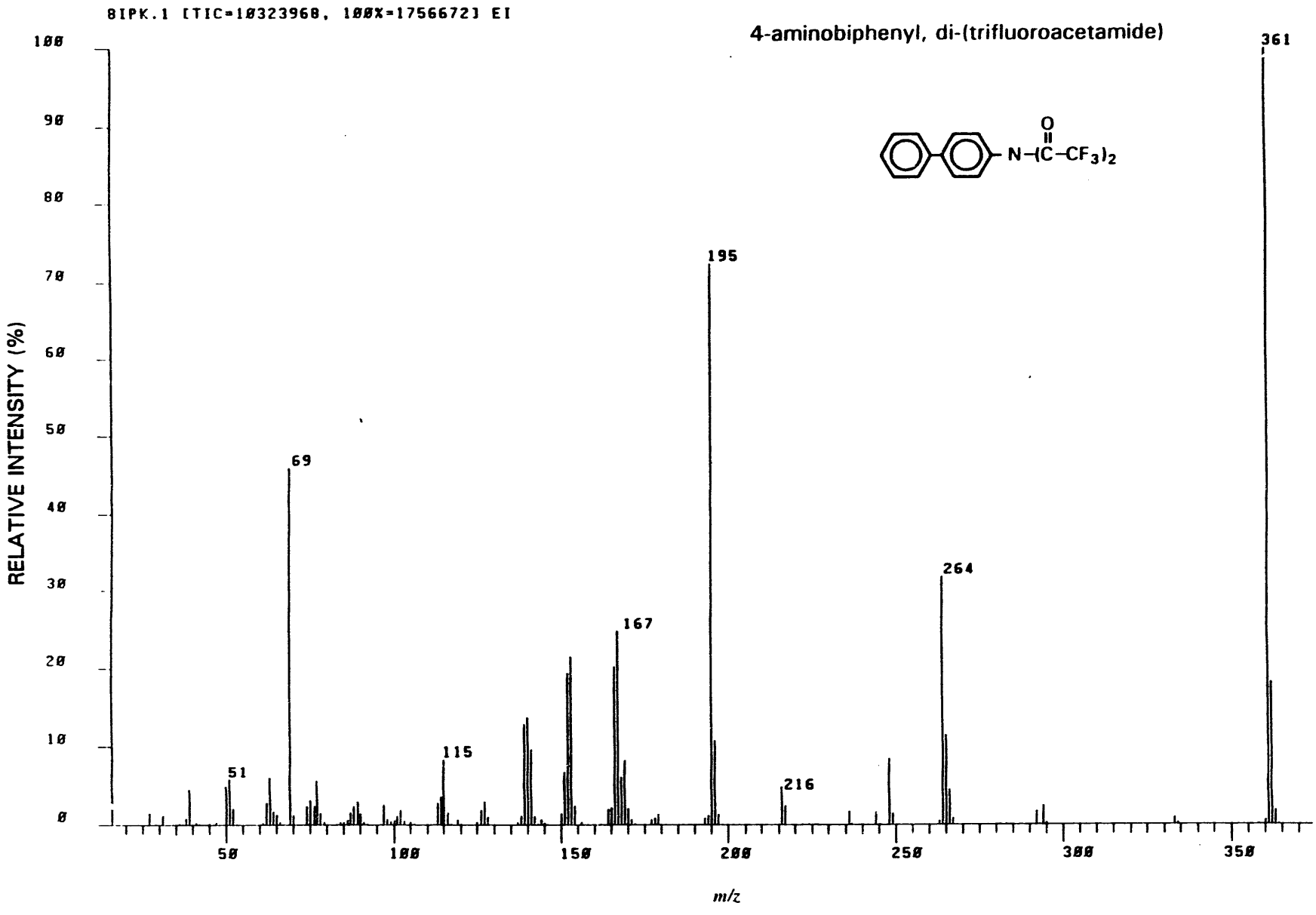
PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
166	89.00	21	162024.	4.1	4.1	0.5799*
167	88.00	21	118760.	3.0	3.0	0.4251*
168	87.00	17	102312.	2.6	2.6	0.3662
169	86.00	17	56477.	1.4	1.4	0.2021
170	85.00	10	13182.	0.3	0.3	0.0472
171	84.00	10	15280.	0.4	0.4	0.0547
172	83.00	14	43044.	1.1	1.1	0.1540*
173	82.00	8	13466.	0.3	0.3	0.0482
174	81.00	8	4170.	0.1	0.1	0.0149
175	80.00	8	2723.	0.1	0.1	0.0097
176	79.00	12	4965.	0.1	0.1	0.0178
177	78.00	17	60902.	1.6	1.6	0.2180
178	77.00	25	227316.	5.8	5.8	0.8135*
179	76.00	21	157480.	4.0	4.0	0.5636*
180	75.00	29	187084.	4.8	4.8	0.6695*
181	74.00	17	120968.	3.1	3.1	0.4329
182	73.00	14	4135.	0.1	0.1	0.0148
183	71.00	8	8017.	0.2	0.2	0.0287
184	70.00	35	92684.	2.4	2.4	0.3317*
185	69.00	43	2134528.	54.6	54.6	7.6392*
186	68.00	8	2943.	0.1	0.1	0.0105
187	67.00	8	2606.	0.1	0.1	0.0093
188	66.00	10	7060.	0.2	0.2	0.0253
189	65.00	17	73660.	1.9	1.9	0.2636
190	64.00	17	83104.	2.1	2.1	0.2974
191	63.00	21	333744.	8.5	8.5	1.1944
192	62.00	21	126952.	3.2	3.2	0.4543*
193	61.00	12	24100.	0.6	0.6	0.0863*
194	60.00	6	1368.	0.0	0.0	0.0049
195	58.00	10	3473.	0.1	0.1	0.0124
196	57.00	8	4818.	0.1	0.1	0.0172
197	55.00	10	4024.	0.1	0.1	0.0144
198	54.00	6	1481.	0.0	0.0	0.0053
199	53.00	12	14471.	0.4	0.4	0.0518
200	52.00	17	88648.	2.3	2.3	0.3173
201	51.00	21	314816.	8.1	8.1	1.1267
202	50.00	21	228332.	5.8	5.8	0.8172
203	49.00	8	2838.	0.1	0.1	0.0102
204	47.00	8	6289.	0.2	0.2	0.0225
205	45.00	8	6388.	0.2	0.2	0.0229
206	44.00	17	65153.	1.7	1.7	0.2332
207	42.00	6	1596.	0.0	0.0	0.0057
208	41.00	12	19129.	0.5	0.5	0.0685*
209	40.00	12	25748.	0.7	0.7	0.0921*
210	39.00	21	276224.	7.1	7.1	0.9886*
211	38.00	21	62498.	1.6	1.6	0.2237*
212	37.00	8	12806.	0.3	0.3	0.0458
213	36.00	10	18162.	0.5	0.5	0.0650
214	35.00	8	5624.	0.1	0.1	0.0201


8IPK.1 [TIC=10323968, 100%=17566721] EI
4-aminobiphenyl, di-(trifluoroacetamide)
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
361
195
69
264
167
115
51
216
50
100
150
200
250
300
350
m/z

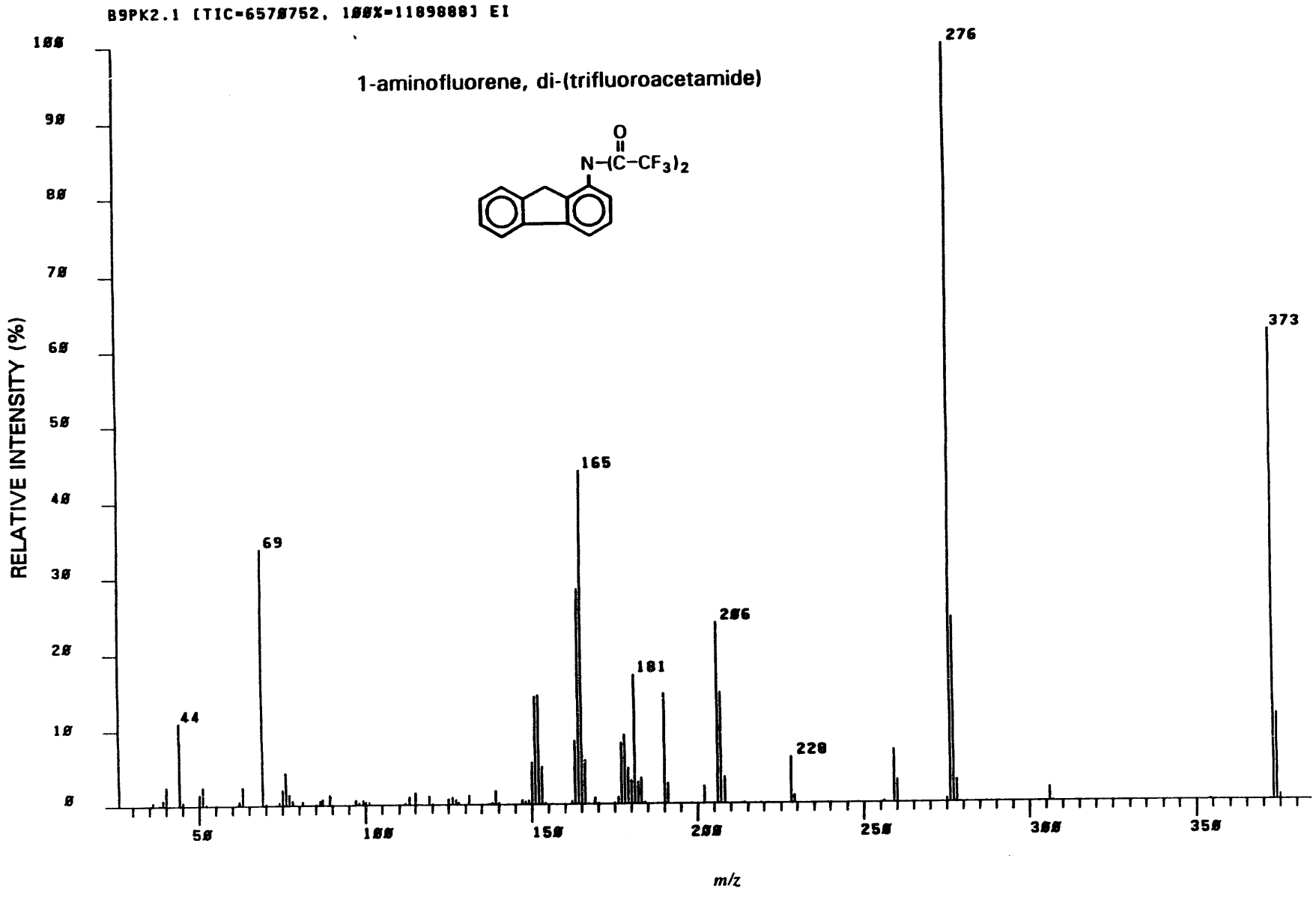
PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	364.00	12	3926.	0.2	0.2	0.0388*
2	363.00	12	33496.	1.9	1.9	0.3244
3	362.00	21	322368.	18.4	18.4	3.1225*
4	361.00	35	1756672.	100.0	100.0	*17.01*
5	360.00	21	11384.	0.6	0.6	0.1103*
6	359.00	10	1983.	0.1	0.1	0.0192
7	358.00	8	3082.	0.2	0.2	0.0299
8	334.00	10	5596.	0.3	0.3	0.0542
9	333.00	10	17108.	1.0	1.0	0.1657
10	295.00	8	5189.	0.3	0.3	0.0503
11	294.00	14	43489.	2.5	2.5	0.4212
12	293.00	8	1947.	0.1	0.1	0.0189
13	292.00	12	29658.	1.7	1.7	0.2873
14	283.00	6	1615.	0.1	0.1	0.0156
15	281.00	6	1418.	0.1	0.1	0.0137
16	268.00	8	616.	0.0	0.0	0.0060
17	267.00	10	15479.	0.9	0.9	0.1499
18	266.00	14	77980.	4.4	4.4	0.7553
19	265.00	17	202448.	11.5	11.5	1.9610*
20	264.00	21	558160.	31.8	31.8	5.4064
21	263.00	14	11027.	0.6	0.6	0.1068*
22	250.00	6	762.	0.0	0.0	0.0074
23	249.00	10	25825.	1.5	1.5	0.2501
24	248.00	17	149296.	8.5	8.5	1.4461
25	245.00	10	2303.	0.1	0.1	0.0223
26	244.00	12	28743.	1.6	1.6	0.2784
27	238.00	6	1292.	0.1	0.1	0.0125
28	237.00	10	3807.	0.2	0.2	0.0369
29	236.00	12	30554.	1.7	1.7	0.2960
30	227.00	8	2040.	0.1	0.1	0.0198
31	226.00	6	1579.	0.1	0.1	0.0153
32	225.00	8	2137.	0.1	0.1	0.0207
33	224.00	8	3221.	0.2	0.2	0.0312
34	222.00	10	2212.	0.1	0.1	0.0214
35	218.00	6	1281.	0.1	0.1	0.0124
36	217.00	14	42506.	2.4	2.4	0.4117
37	216.00	17	83308.	4.7	4.7	0.8069
38	215.00	6	2111.	0.1	0.1	0.0204
39	213.00	6	1317.	0.1	0.1	0.0128
40	198.00	6	1467.	0.1	0.1	0.0142
41	197.00	14	23941.	1.4	1.4	0.2319*
42	196.00	25	189724.	10.8	10.8	1.8377*
43	195.00	29	1271744.	72.4	72.4	*12.31*
44	194.00	17	20756.	1.2	1.2	0.2010*
45	193.00	12	14452.	0.8	0.8	0.1400*
46	189.00	6	1156.	0.1	0.1	0.0112
47	179.00	14	23550.	1.3	1.3	0.2281
48	178.00	10	15415.	0.9	0.9	0.1493
49	177.00	8	13002.	0.7	0.7	0.1259
50	172.00	8	4038.	0.2	0.2	0.0391
51	171.00	12	11944.	0.7	0.7	0.1157
52	170.00	14	36875.	2.1	2.1	0.3572
53	169.00	17	145460.	8.3	8.3	1.4090
54	168.00	14	107160.	6.1	6.1	1.0380
55	167.00	21	433920.	24.7	24.7	4.2030

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	166.00	21	354912.	20.2	20.2	3.4377*
57	165.00	21	38702.	2.2	2.2	0.3749*
58	164.00	14	36239.	2.1	2.1	0.3510
59	162.00	6	2294.	0.1	0.1	0.0222
60	159.00	6	929.	0.1	0.1	0.0090
61	156.00	12	6786.	0.4	0.4	0.0657
62	154.00	12	43499.	2.5	2.5	0.4213
63	153.00	21	376416.	21.4	21.4	3.6460*
64	152.00	17	341472.	19.4	19.4	3.3076
65	151.00	17	119012.	6.8	6.8	1.1528*
66	150.00	10	26316.	1.5	1.5	0.2549
67	148.00	12	441.	0.0	0.0	0.0043
68	146.00	10	2426.	0.1	0.1	0.0235
69	145.00	8	5527.	0.3	0.3	0.0535
70	144.00	10	13082.	0.7	0.7	0.1267
71	143.00	6	3753.	0.2	0.2	0.0364
72	142.00	10	19719.	1.1	1.1	0.1910
73	141.00	17	170740.	9.7	9.7	1.6538
74	140.00	17	242544.	13.8	13.8	2.3493
75	139.00	17	227100.	12.9	12.9	2.1997*
76	138.00	10	21459.	1.2	1.2	0.2079*
77	137.00	10	7095.	0.4	0.4	0.0687
78	128.00	12	17814.	1.0	1.0	0.1725
79	127.00	14	51577.	2.9	2.9	0.4996
80	126.00	12	33466.	1.9	1.9	0.3242
81	125.00	8	6012.	0.3	0.3	0.0582
82	124.00	8	1352.	0.1	0.1	0.0131
83	120.00	10	1837.	0.1	0.1	0.0178
84	119.00	12	12045.	0.7	0.7	0.1167
85	117.00	10	2977.	0.2	0.2	0.0288
86	116.00	12	27220.	1.5	1.5	0.2637
87	115.00	17	146704.	8.4	8.4	1.4210
88	114.00	14	61854.	3.5	3.5	0.5991
89	113.00	14	48548.	2.8	2.8	0.4702
90	112.00	10	2869.	0.2	0.2	0.0278
91	106.00	10	3366.	0.2	0.2	0.0326
92	105.00	12	6574.	0.4	0.4	0.0637
93	103.00	10	9421.	0.5	0.5	0.0913
94	102.00	12	32714.	1.9	1.9	0.3169
95	101.00	12	19306.	1.1	1.1	0.1870
96	100.00	8	9060.	0.5	0.5	0.0878
97	99.00	12	8850.	0.5	0.5	0.0857
98	98.00	12	12544.	0.7	0.7	0.1215*
99	97.00	14	43784.	2.5	2.5	0.4241*
100	96.00	6	1657.	0.1	0.1	0.0161
101	92.00	10	2381.	0.1	0.1	0.0231
102	91.00	12	6762.	0.4	0.4	0.0655
103	90.00	12	25993.	1.5	1.5	0.2518
104	89.00	17	51855.	3.0	3.0	0.5023
105	88.00	17	42126.	2.4	2.4	0.4080
106	87.00	14	29179.	1.7	1.7	0.2826
107	86.00	10	10746.	0.6	0.6	0.1041
108	85.00	10	6595.	0.4	0.4	0.0639
109	84.00	10	6918.	0.4	0.4	0.0670*
110	83.00	8	2325.	0.1	0.1	0.0225

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	79.00	8	5974.	0.3	0.3	0.0579
112	78.00	21	25553.	1.5	1.5	0.2475
113	77.00	17	97828.	5.6	5.6	0.9476
114	76.00	12	43133.	2.5	2.5	0.4178
115	75.00	12	54298.	3.1	3.1	0.5259
116	74.00	14	40882.	2.3	2.3	0.3960
117	70.00	10	21067.	1.2	1.2	0.2041*
118	69.00	29	806752.	45.9	45.9	7.8144*
119	67.00	10	2220.	0.1	0.1	0.0215
120	66.00	8	7264.	0.4	0.4	0.0704
121	65.00	12	22865.	1.3	1.3	0.2215*
122	64.00	14	30655.	1.7	1.7	0.2969
123	63.00	17	105704.	6.0	6.0	1.0239*
124	62.00	14	48780.	2.8	2.8	0.4725*
125	61.00	8	4704.	0.3	0.3	0.0456
126	53.00	6	2550.	0.1	0.1	0.0247
127	52.00	17	37342.	2.1	2.1	0.3617
128	51.00	17	100904.	5.7	5.7	0.9774
129	50.00	17	85524.	4.9	4.9	0.8284
130	47.00	12	7209.	0.4	0.4	0.0698
131	45.00	8	3527.	0.2	0.2	0.0342
132	43.00	8	2169.	0.1	0.1	0.0210
133	42.00	12	3461.	0.2	0.2	0.0335
134	41.00	17	4673.	0.3	0.3	0.0453*
135	40.00	14	1687.	0.1	0.1	0.0163*
136	39.00	17	78200.	4.5	4.5	0.7575
137	38.00	12	14910.	0.8	0.8	0.1444
138	37.00	6	1612.	0.1	0.1	0.0156
139	36.00	8	3329.	0.2	0.2	0.0322
140	31.00	12	21537.	1.2	1.2	0.2086
141	29.00	6	1928.	0.1	0.1	0.0187
142	27.00	14	25431.	1.4	1.4	0.2463


B9PK2.1 [TIC=6578752, 100%=11898888] EI
1-aminofluorene, di-(trifluoroacetamide)
O
N-(C-CF3)2
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
50
100
150
200
250
300
350
276
373
165
69
286
181
44
220
m/z

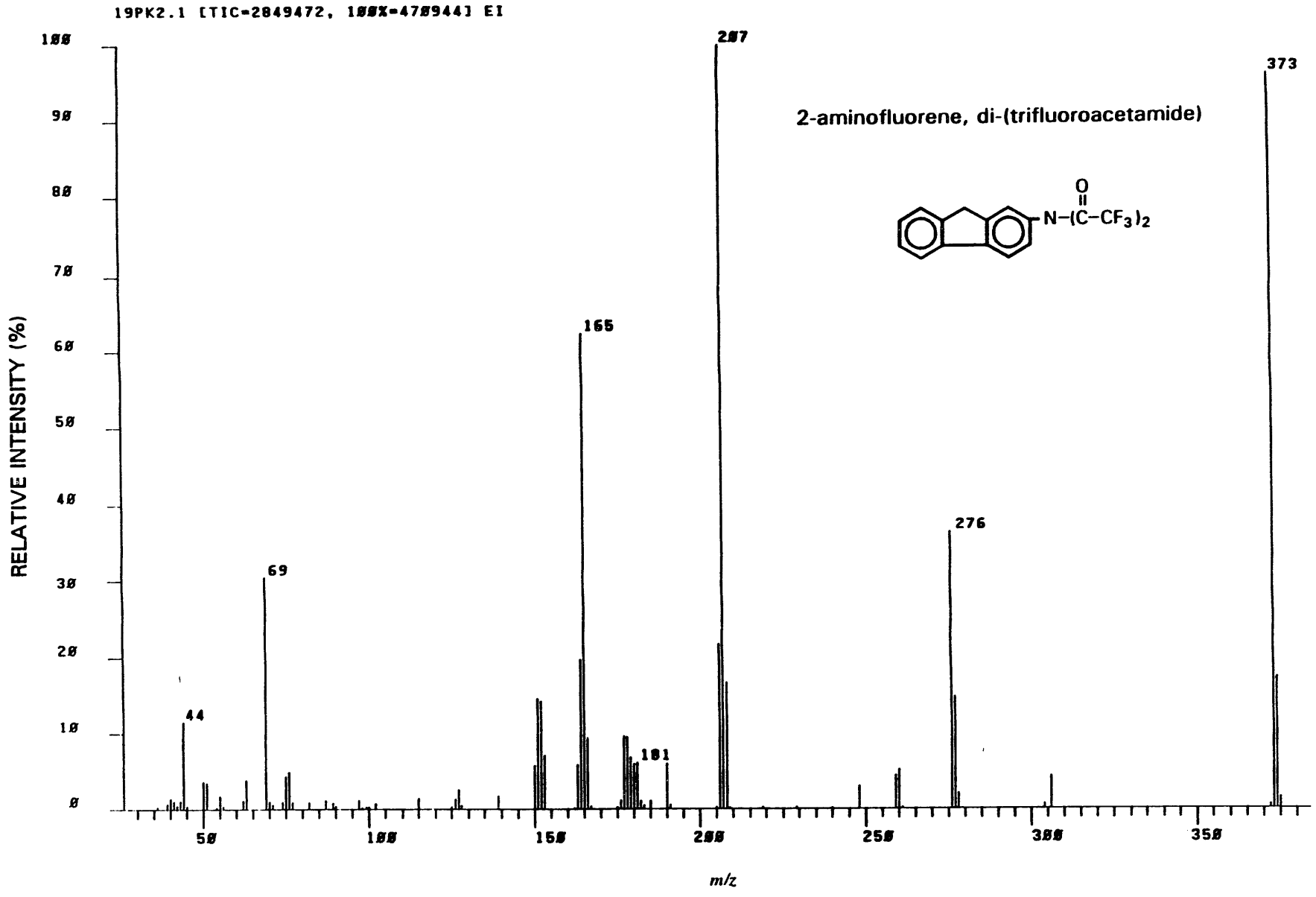
PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	375.00	8	9090.	0.8	0.8	0.1383
2	374.00	12	138248.	11.6	11.6	2.1040
3	373.00	21	740864.	62.3	62.3	*11.27
4	372.00	6	1001.	0.2	0.2	0.0274
5	354.00	8	2306.	0.2	0.2	0.0351
6	307.00	6	2486.	0.2	0.2	0.0378
7	306.00	8	22846.	1.9	1.9	0.3477
8	287.00	6	1052.	0.1	0.1	0.0160
9	281.00	12	1826.	0.2	0.2	0.0278
10	279.00	8	1867.	0.2	0.2	0.0284
11	278.00	10	35611.	3.0	3.0	0.5420
12	277.00	17	291376.	24.5	24.5	4.4344
13	276.00	21	1189088.	100.0	100.0	*18.10*
14	275.00	8	6934.	0.6	0.6	0.1055
15	260.00	10	36097.	3.0	3.0	0.5494
16	259.00	12	84432.	7.1	7.1	1.2850
17	256.00	8	3120.	0.3	0.3	0.0475
18	248.00	6	1209.	0.1	0.1	0.0184
19	239.00	6	976.	0.1	0.1	0.0149
20	229.00	10	13134.	1.1	1.1	0.1999
21	228.00	12	73344.	6.2	6.2	1.1162
22	221.00	6	1013.	0.1	0.1	0.0154
23	219.00	6	1698.	0.1	0.1	0.0258
24	214.00	10	2195.	0.2	0.2	0.0334
25	209.00	8	1778.	0.1	0.1	0.0271
26	208.00	12	42403.	3.6	3.6	0.6453*
27	207.00	17	175068.	14.7	14.7	2.6644
28	206.00	17	284112.	23.9	23.9	4.3239
29	205.00	6	1796.	0.2	0.2	0.0273
30	204.00	6	1040.	0.1	0.1	0.0158
31	203.00	6	1468.	0.1	0.1	0.0223
32	202.00	10	26760.	2.2	2.2	0.4073
33	191.00	10	32568.	2.7	2.7	0.4957
34	190.00	17	173736.	14.6	14.6	2.6441
35	189.00	8	1868.	0.2	0.2	0.0284
36	188.00	6	1675.	0.1	0.1	0.0255
37	184.00	8	3896.	0.3	0.3	0.0593
38	183.00	10	40879.	3.4	3.4	0.6221
39	182.00	10	35096.	2.9	2.9	0.5341*
40	181.00	17	202816.	17.0	17.0	3.0866
41	180.00	10	36733.	3.1	3.1	0.5590
42	179.00	12	57565.	4.8	4.8	0.8761
43	178.00	14	109980.	9.2	9.2	1.6738
44	177.00	12	97864.	8.2	8.2	1.4894
45	176.00	8	11207.	0.9	0.9	0.1706
46	175.00	8	2477.	0.2	0.2	0.0377
47	170.00	6	1987.	0.2	0.2	0.0302
48	169.00	8	10608.	0.9	0.9	0.1614
49	167.00	8	2497.	0.2	0.2	0.0380
50	166.00	12	70996.	6.0	6.0	1.0805
51	165.00	17	523408.	44.0	44.0	7.9657*
52	164.00	17	338928.	28.5	28.5	5.1581
53	163.00	14	101276.	8.5	8.5	1.5413
54	162.00	8	5784.	0.5	0.5	0.0880
55	156.00	6	1454.	0.1	0.1	0.0221

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	154.00	17	3979.	0.3	0.3	0.0606*
57	153.00	12	60418.	5.1	5.1	0.9195
58	152.00	14	172468.	14.5	14.5	2.6248
59	151.00	17	170780.	14.4	14.4	2.5991
60	150.00	12	67396.	5.7	5.7	1.0257*
61	149.00	10	7342.	0.6	0.6	0.1117*
62	148.00	8	5442.	0.5	0.5	0.0828
63	147.00	8	7366.	0.6	0.6	0.1121
64	143.00	6	1222.	0.1	0.1	0.0186
65	140.00	8	3403.	0.3	0.3	0.0518
66	139.00	10	22303.	1.9	1.9	0.3394
67	138.00	8	3139.	0.3	0.3	0.0478
68	137.00	6	2517.	0.2	0.2	0.0383
69	131.00	12	15585.	1.3	1.3	0.2372
70	128.00	8	4887.	0.4	0.4	0.0744
71	127.00	8	8712.	0.7	0.7	0.1326
72	126.00	10	12007.	1.0	1.0	0.1827*
73	125.00	10	9232.	0.8	0.8	0.1405
74	123.00	6	908.	0.1	0.1	0.0138
75	120.00	6	2195.	0.2	0.2	0.0334
76	119.00	12	14112.	1.2	1.2	0.2148
77	118.00	6	707.	0.1	0.1	0.0108
78	116.00	6	1094.	0.1	0.1	0.0166
79	115.00	10	18980.	1.6	1.6	0.2889*
80	113.00	10	13047.	1.1	1.1	0.1986
81	112.00	8	3424.	0.3	0.3	0.0521
82	104.00	6	1097.	0.1	0.1	0.0167
83	102.00	6	1210.	0.1	0.1	0.0184
84	101.00	10	5650.	0.5	0.5	0.0860
85	100.00	8	5998.	0.5	0.5	0.0913
86	99.00	8	8346.	0.7	0.7	0.1270
87	98.00	6	4867.	0.4	0.4	0.0741
88	97.00	8	8226.	0.7	0.7	0.1252
89	96.00	6	713.	0.1	0.1	0.0109
90	89.00	10	16441.	1.4	1.4	0.2502
91	87.00	8	9064.	0.8	0.8	0.1379
92	86.00	10	7996.	0.7	0.7	0.1217
93	85.00	6	2412.	0.2	0.2	0.0367
94	81.00	8	7001.	0.6	0.6	0.1065
95	79.00	6	1027.	0.1	0.1	0.0156
96	78.00	10	8168.	0.7	0.7	0.1243
97	77.00	12	17760.	1.5	1.5	0.2703*
98	76.00	14	51863.	4.4	4.4	0.7893*
99	75.00	10	24692.	2.1	2.1	0.3758
100	74.00	8	6785.	0.6	0.6	0.1033
101	73.00	6	1091.	0.1	0.1	0.0166
102	70.00	8	3172.	0.3	0.3	0.0483
103	69.00	17	403456.	33.9	33.9	6.1402
104	64.00	6	645.	0.1	0.1	0.0098
105	63.00	10	29336.	2.5	2.5	0.4465
106	62.00	6	7518.	0.6	0.6	0.1144
107	55.00	8	1416.	0.1	0.1	0.0216
108	52.00	10	3825.	0.3	0.3	0.0582
109	51.00	10	28674.	2.4	2.4	0.4364
110	50.00	10	18740.	1.6	1.6	0.2852

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	45.00	10	6443.	0.5	0.5	0.0981
112	44.00	17	132192.	11.1	11.1	2.0118*
113	41.00	6	1066.	0.1	0.1	0.0162
114	40.00	10	29968.	2.5	2.5	0.4561
115	39.00	8	9234.	0.8	0.8	0.1405
116	38.00	8	2567.	0.2	0.2	0.0391
117	36.00	12	6383.	0.5	0.5	0.0971*


19PK2.1 [TIC=2849472, 100%=4709444] EI
2-aminofluorene, di-(trifluoroacetamide)
O
N-(C-CF3)2
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
44
69
165
181
207
276
373
50
100
150
200
250
300
350
m/z

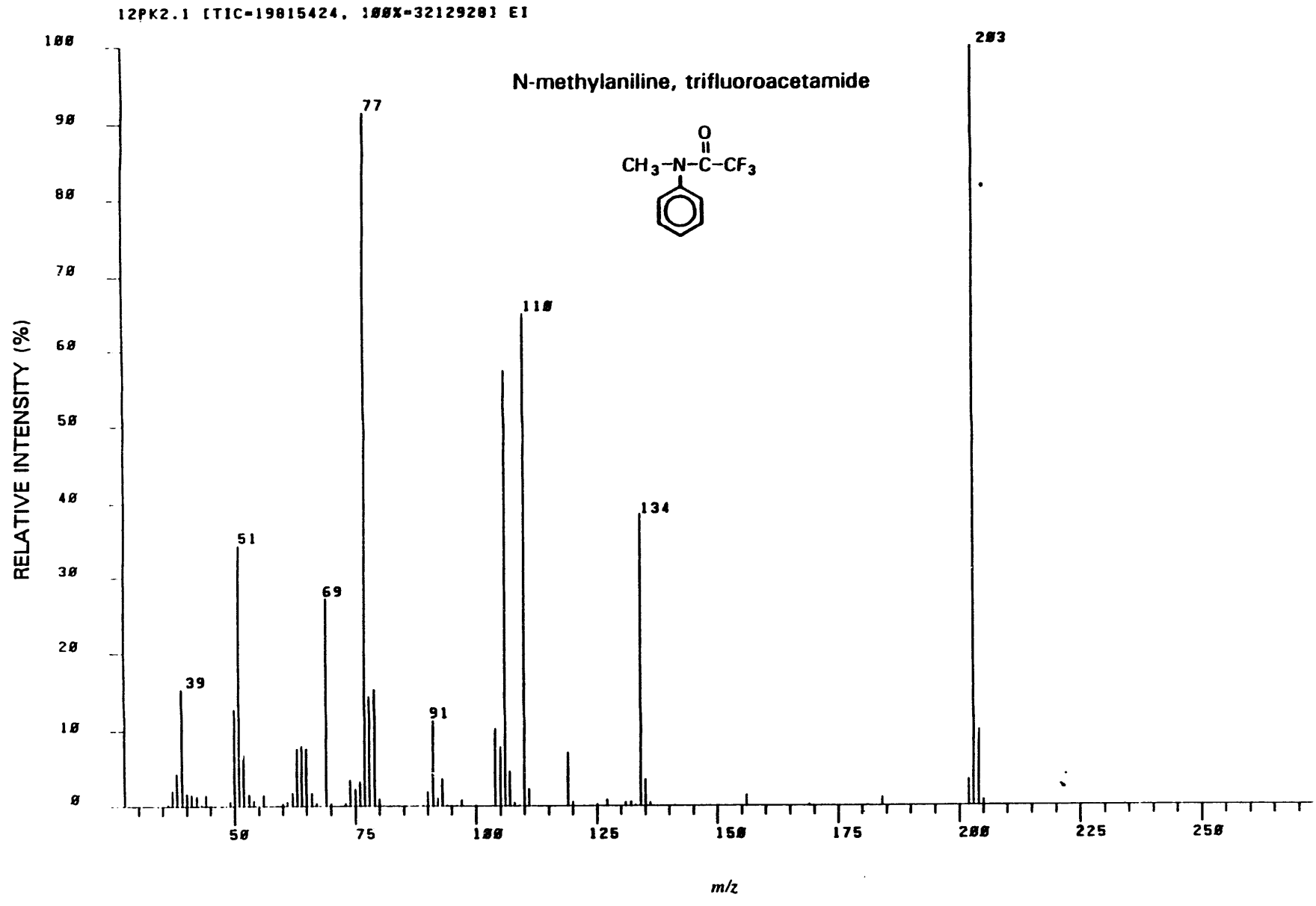
PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	375.00	8	7128.	1.5	1.5	0.2502
2	374.00	14	81500.	17.3	17.3	2.0630
3	373.00	17	453000.	96.2	96.2	*15.90
4	372.00	8	2958.	0.6	0.6	0.1030
5	306.00	10	20029.	4.3	4.3	0.7029
6	304.00	6	3454.	0.7	0.7	0.1212
7	279.00	6	474.	0.1	0.1	0.0166
8	278.00	10	9997.	2.1	2.1	0.3500
9	277.00	12	69304.	14.7	14.7	2.4322
10	276.00	17	171060.	36.3	36.3	6.0032
11	261.00	8	1323.	0.3	0.3	0.0464
12	260.00	14	24524.	5.2	5.2	0.8607
13	259.00	8	20510.	4.4	4.4	0.7198
14	248.00	12	14252.	3.0	3.0	0.5002
15	240.00	6	1115.	0.2	0.2	0.0391
16	229.00	6	1206.	0.3	0.3	0.0423
17	219.00	8	1235.	0.3	0.3	0.0433
18	209.00	6	937.	0.2	0.2	0.0329
19	208.00	14	78980.	16.8	16.8	2.7717
20	207.00	17	470944.	100.0	100.0	*16.52
21	206.00	14	102036.	21.7	21.7	3.5809
22	205.00	10	1267.	0.3	0.3	0.0445
23	191.00	10	2925.	0.6	0.6	0.1027
24	190.00	12	27931.	5.9	5.9	0.9802
25	185.00	8	5417.	1.2	1.2	0.1901
26	183.00	12	2443.	0.5	0.5	0.0857
27	182.00	10	5104.	1.1	1.1	0.1791
28	181.00	12	28713.	6.1	6.1	1.0077
29	180.00	10	27872.	5.9	5.9	0.9781
30	179.00	14	32418.	6.9	6.9	1.1377
31	178.00	10	44281.	9.4	9.4	1.5540
32	177.00	14	45270.	9.6	9.6	1.5887
33	176.00	8	5838.	1.2	1.2	0.2049
34	175.00	8	1243.	0.3	0.3	0.0436
35	167.00	6	2036.	0.4	0.4	0.0715
36	166.00	12	43129.	9.2	9.2	1.5136
37	165.00	17	293728.	62.4	62.4	*10.30
38	164.00	17	92468.	19.6	19.6	3.2451
39	163.00	12	27545.	5.8	5.8	0.9667
40	162.00	6	886.	0.2	0.2	0.0311
41	153.00	12	33540.	7.1	7.1	1.1771
42	152.00	14	67040.	14.2	14.2	2.3527
43	151.00	17	68760.	14.6	14.6	2.4131
44	150.00	12	26996.	5.7	5.7	0.9474
45	139.00	10	8352.	1.8	1.8	0.2931
46	128.00	10	2480.	0.5	0.5	0.0870
47	127.00	8	12363.	2.6	2.6	0.4339
48	126.00	10	6327.	1.3	1.3	0.2220
49	125.00	8	1581.	0.3	0.3	0.0565
50	115.00	8	6093.	1.5	1.5	0.2419
51	102.00	8	3838.	0.8	0.8	0.1347
52	100.00	8	1853.	0.4	0.4	0.0650
53	99.00	6	1697.	0.4	0.4	0.0596
54	98.00	6	1264.	0.3	0.3	0.0444
55	97.00	8	5610.	1.2	1.2	0.1969

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	90.00	6	2231.	0.5	0.5	0.0783
57	89.00	8	4193.	0.9	0.9	0.1472
58	88.00	8	572.	0.1	0.1	0.0201
59	87.00	8	5701.	1.2	1.2	0.2029
60	82.00	8	4542.	1.0	1.0	0.1594
61	77.00	8	4553.	1.0	1.0	0.1598
62	76.00	10	23403.	5.0	5.0	0.8213
63	75.00	12	20309.	4.3	4.3	0.7127*
64	74.00	8	4763.	1.0	1.0	0.1672
65	71.00	10	2936.	0.6	0.6	0.1030
66	70.00	8	4982.	1.1	1.1	0.1748
67	69.00	17	143816.	30.5	30.5	5.0471
68	63.00	10	18399.	3.9	3.9	0.6457
69	62.00	14	6519.	1.2	1.2	0.1937
70	56.00	8	2167.	0.5	0.5	0.0760
71	55.00	10	8347.	1.8	1.8	0.2929
72	54.00	6	1206.	0.3	0.3	0.0423
73	51.00	10	16666.	3.5	3.5	0.5849
74	50.00	8	17430.	3.7	3.7	0.6117
75	45.00	8	1977.	0.4	0.4	0.0694
76	44.00	17	54669.	11.6	11.6	1.9186
77	43.00	10	5376.	1.1	1.1	0.1887
78	42.00	6	2444.	0.5	0.5	0.0858
79	41.00	12	5449.	1.2	1.2	0.1912*
80	40.00	8	6940.	1.5	1.5	0.2436
81	39.00	10	3674.	0.8	0.8	0.1289
82	36.00	6	1858.	0.4	0.4	0.0652

Basic Secondary Aromatic Amines

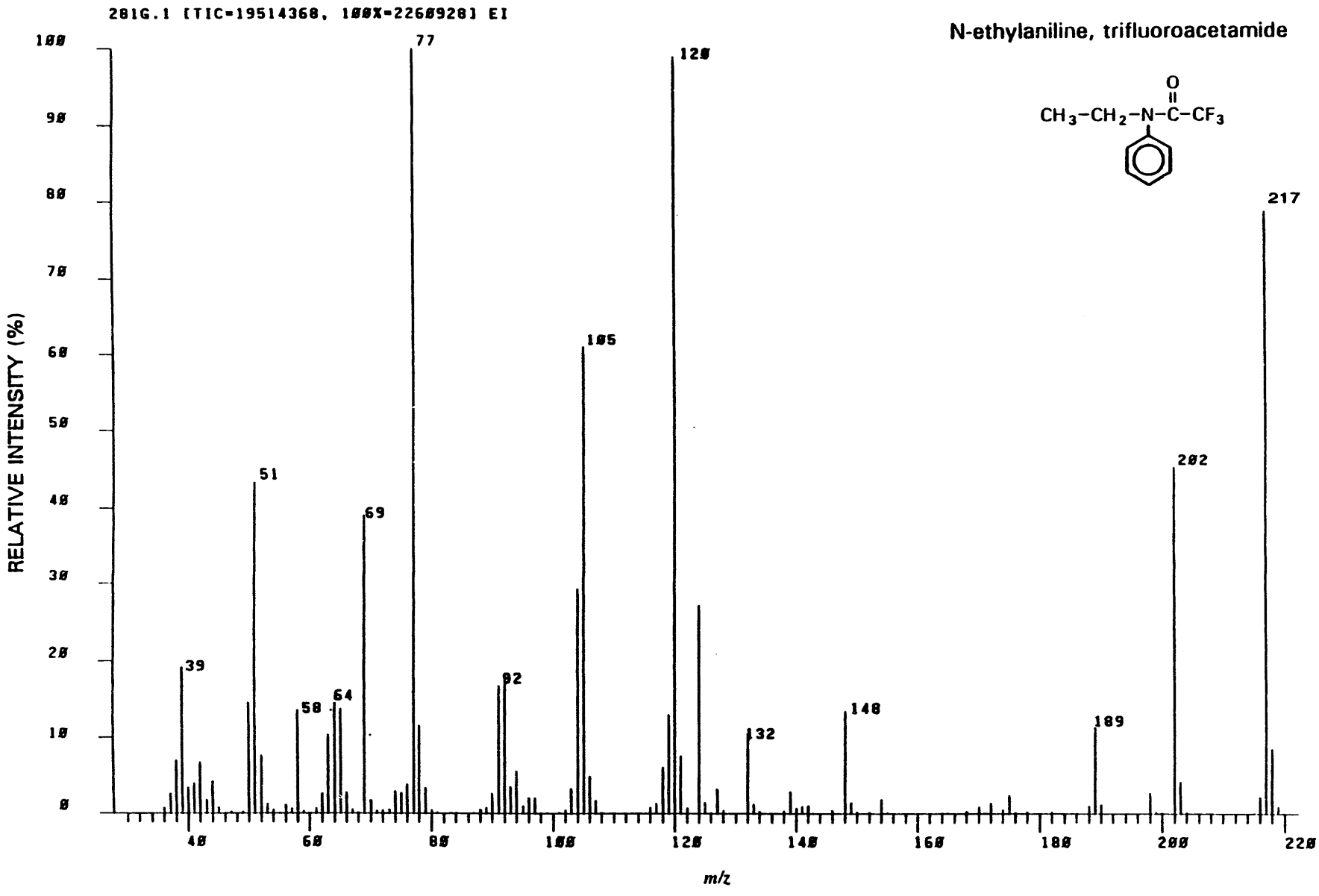

12PK2.1 [TIC=19815424, 100%=3212920] EI
N-methylaniline, trifluoroacetamide
RELATIVE INTENSITY (%)
m/z
100
90
80
70
60
50
40
30
20
10
0
50
75
100
125
150
175
200
225
250
293
77
118
134
51
69
39
91

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	269.00	8	651.	0.0	0.0	0.0033
2	231.00	6	765.	0.0	0.0	0.0039
3	205.00	14	25029.	0.8	0.8	0.1263
4	204.00	21	324976.	10.1	10.1	1.6400*
5	203.00	35	3212920.	100.0	100.0	*16.21*
6	202.00	25	116748.	3.6	3.6	0.5892*
7	191.00	6	973.	0.0	0.0	0.0049
8	185.00	8	2327.	0.1	0.1	0.0117
9	184.00	12	37000.	1.2	1.2	0.1900
10	181.00	10	5403.	0.2	0.2	0.0273
11	174.00	8	3066.	0.1	0.1	0.0155
12	169.00	8	10232.	0.3	0.3	0.0516
13	164.00	10	1718.	0.1	0.1	0.0087
14	157.00	6	1468.	0.0	0.0	0.0074
15	156.00	12	49160.	1.5	1.5	0.2481
16	153.00	8	1344.	0.0	0.0	0.0068
17	151.00	8	1144.	0.0	0.0	0.0058
18	145.00	8	2183.	0.1	0.1	0.0110
19	141.00	8	3501.	0.1	0.1	0.0177
20	140.00	6	817.	0.0	0.0	0.0041
21	137.00	8	1084.	0.0	0.0	0.0055
22	136.00	10	18021.	0.6	0.6	0.0909
23	135.00	17	115168.	3.6	3.6	0.5812
24	134.00	21	1241400.	38.6	38.6	6.2649
25	133.00	8	6435.	0.2	0.2	0.0325
26	132.00	12	20800.	0.6	0.6	0.1050
27	131.00	12	17378.	0.5	0.5	0.0877
28	127.00	12	27395.	0.9	0.9	0.1383
29	125.00	10	10246.	0.3	0.3	0.0517
30	120.00	10	21526.	0.7	0.7	0.1086
31	119.00	17	232012.	7.2	7.2	1.1709
32	118.00	8	1094.	0.0	0.0	0.0055
33	115.00	6	1089.	0.0	0.0	0.0055
34	112.00	8	1765.	0.1	0.1	0.0089
35	111.00	17	77132.	2.4	2.4	0.3893
36	110.00	35	2091456.	65.1	65.1	*10.55*
37	109.00	6	5974.	0.2	0.2	0.0301
38	108.00	12	18927.	0.6	0.6	0.0955
39	107.00	17	152224.	4.7	4.7	0.7682
40	106.00	35	1845952.	57.5	57.5	9.3157*
41	105.00	17	253520.	7.9	7.9	1.2794*
42	104.00	17	328576.	10.2	10.2	1.6582
43	100.00	8	4998.	0.2	0.2	0.0252
44	97.00	12	28973.	0.9	0.9	0.1462
45	96.00	8	3813.	0.1	0.1	0.0192
46	95.00	10	3720.	0.1	0.1	0.0188
47	94.00	12	7496.	0.2	0.2	0.0378
48	93.00	17	121532.	3.8	3.8	0.6133
49	92.00	12	35084.	1.1	1.1	0.1771
50	91.00	17	360368.	11.2	11.2	1.8186
51	90.00	12	65094.	2.0	2.0	0.3285
52	89.00	8	4930.	0.2	0.2	0.0249
53	88.00	10	2571.	0.1	0.1	0.0130
54	84.00	6	3758.	0.1	0.1	0.0190
55	83.00	8	3926.	0.1	0.1	0.0198

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	81.00	8	5602.	0.2	0.2	0.0283
57	80.00	12	32500.	1.0	1.0	0.1640
58	79.00	21	492000.	15.3	15.3	2.4874*
59	78.00	21	466000.	14.5	14.5	2.3621
60	77.00	35	2930176.	91.4	91.4	*14.82*
61	76.00	21	108936.	3.4	3.4	0.5498*
62	75.00	17	76452.	2.4	2.4	0.3858
63	74.00	17	112168.	3.5	3.5	0.5661
64	73.00	10	14659.	0.5	0.5	0.0740*
65	70.00	12	12837.	0.4	0.4	0.0648
66	69.00	21	872672.	27.2	27.2	4.4040
67	68.00	6	1012.	0.0	0.0	0.0051
68	67.00	8	14458.	0.4	0.4	0.0730
69	66.00	17	57022.	1.8	1.8	0.2878*
70	65.00	17	247020.	7.7	7.7	1.2466
71	64.00	21	256732.	8.0	8.0	1.2956
72	63.00	17	246040.	7.7	7.7	1.2417
73	62.00	17	59874.	1.9	1.9	0.3022
74	61.00	10	21632.	0.7	0.7	0.1092
75	60.00	12	13341.	0.4	0.4	0.0673
76	59.00	6	3234.	0.1	0.1	0.0163
77	57.00	6	1824.	0.1	0.1	0.0092
78	56.00	14	48061.	1.5	1.5	0.2466
79	55.00	8	1927.	0.1	0.1	0.0097
80	54.00	12	26165.	0.8	0.8	0.1320*
81	53.00	14	51218.	1.6	1.6	0.2585*
82	52.00	21	222000.	6.9	6.9	1.1207
83	51.00	25	1109184.	34.5	34.5	5.5976*
84	50.00	21	409056.	12.7	12.7	2.0643
85	49.00	8	22457.	0.7	0.7	0.1133
86	47.00	10	2322.	0.1	0.1	0.0117
87	45.00	8	4542.	0.1	0.1	0.0229
88	44.00	14	50859.	1.6	1.6	0.2567
89	43.00	10	8907.	0.3	0.3	0.0449
90	42.00	17	44362.	1.4	1.4	0.2239
91	41.00	17	52436.	1.6	1.6	0.2646*
92	40.00	17	55543.	1.7	1.7	0.2803*
93	39.00	21	492720.	15.3	15.3	2.4865
94	38.00	17	142116.	4.4	4.4	0.7172
95	37.00	17	68060.	2.1	2.1	0.3435
96	36.00	6	8056.	0.3	0.3	0.0407
97	35.00	6	2436.	0.1	0.1	0.0123


281G.1 [TIC=19514368, 100%=2260928] EI
N-ethylaniline, trifluoroacetamide
RELATIVE INTENSITY (%)
m/z
100
90
80
70
60
50
40
30
20
10
0
40
60
80
100
120
140
160
180
200
220
39
51
58
64
69
77
92
105
120
132
148
189
202
217

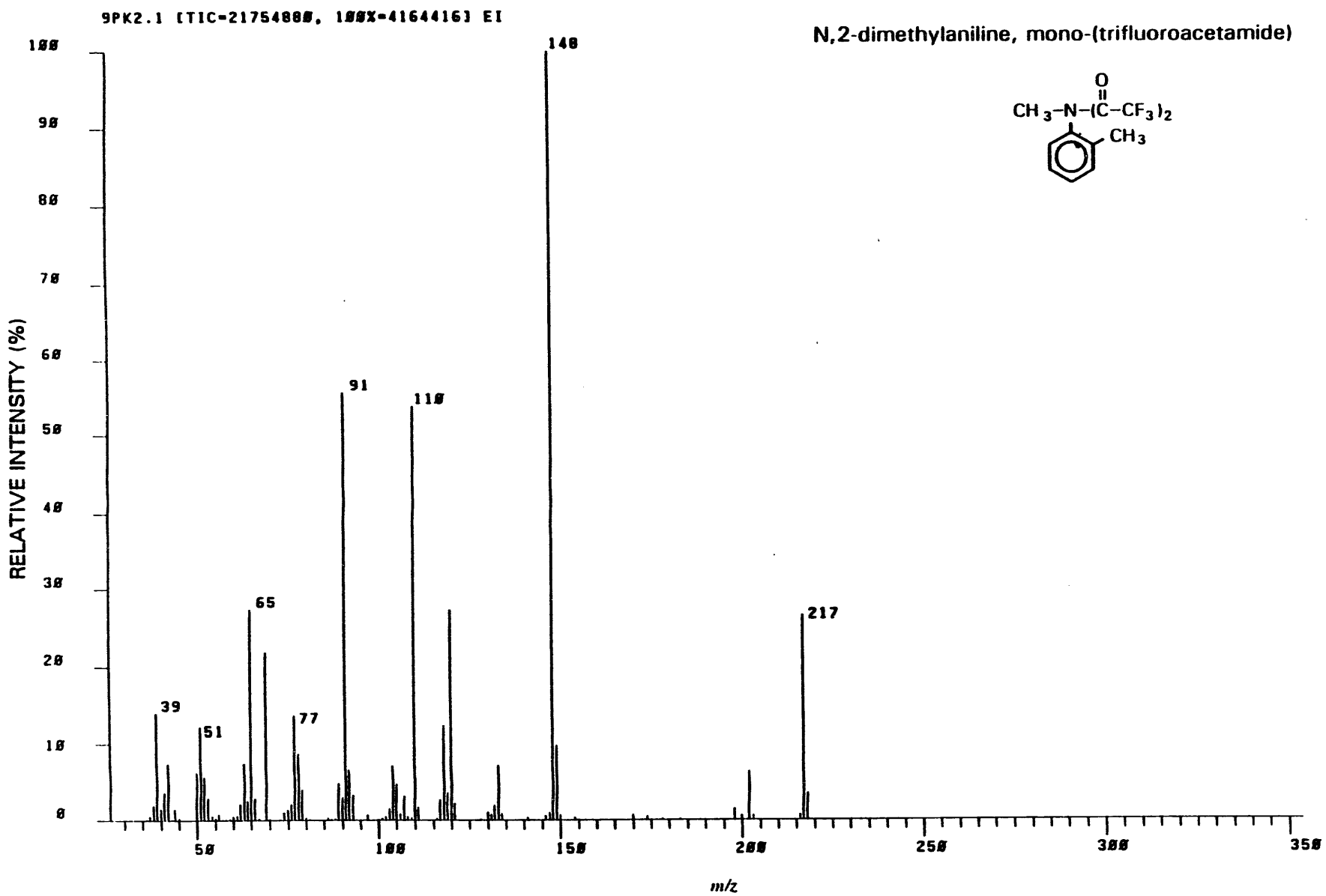
PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	219.00	12	21231.	0.9	0.9	0.1000*
2	218.00	25	192596.	8.5	8.5	0.9869*
3	217.00	43	1786048.	79.0	79.0	9.1625*
4	216.00	21	50181.	2.2	2.2	0.2571*
5	215.00	8	2497.	0.1	0.1	0.0128
6	205.00	8	1409.	0.1	0.1	0.0072
7	204.00	8	4209.	0.2	0.2	0.0216
8	203.00	17	94684.	4.2	4.2	0.4852
9	202.00	35	1020896.	45.2	45.2	5.2315*
10	201.00	12	1396.	0.1	0.1	0.0072*
11	200.00	8	2070.	0.1	0.1	0.0106
12	199.00	8	6497.	0.3	0.3	0.0333
13	198.00	14	61384.	2.7	2.7	0.3146
14	196.00	12	27203.	1.2	1.2	0.1398
15	189.00	21	256700.	11.4	11.4	1.3159*
16	188.00	17	24099.	1.1	1.1	0.1235*
17	187.00	10	1360.	0.1	0.1	0.0070
18	184.00	8	923.	0.0	0.0	0.0047
19	182.00	8	6388.	0.3	0.3	0.0327
20	178.00	10	6507.	0.3	0.3	0.0333
21	176.00	10	5237.	0.2	0.2	0.0268
22	175.00	14	54059.	2.4	2.4	0.2770
23	174.00	8	13079.	0.6	0.6	0.0670
24	173.00	8	717.	0.0	0.0	0.0037
25	172.00	12	31030.	1.4	1.4	0.1590
26	171.00	10	2410.	0.1	0.1	0.0123
27	170.00	10	18799.	0.8	0.8	0.0963
28	169.00	8	1635.	0.1	0.1	0.0084
29	168.00	10	7270.	0.3	0.3	0.0373
30	167.00	6	1210.	0.1	0.1	0.0062
31	165.00	6	2050.	0.1	0.1	0.0105
32	164.00	12	3141.	0.1	0.1	0.0161*
33	162.00	6	1481.	0.1	0.1	0.0076
34	155.00	8	5518.	0.2	0.2	0.0283
35	154.00	14	41836.	1.9	1.9	0.2144
36	152.00	8	4997.	0.2	0.2	0.0256
37	150.00	6	5900.	0.3	0.3	0.0302
38	149.00	14	33315.	1.5	1.5	0.1707
39	148.00	21	305952.	13.5	13.5	1.5678*
40	147.00	12	2445.	0.1	0.1	0.0125
41	146.00	14	11207.	0.5	0.5	0.0574*
42	142.00	12	22863.	1.0	1.0	0.1172
43	141.00	12	21640.	1.0	1.0	0.1109
44	140.00	12	15725.	0.7	0.7	0.0806
45	139.00	17	65158.	2.9	2.9	0.3339*
46	138.00	10	8215.	0.4	0.4	0.0421
47	134.00	8	7370.	0.3	0.3	0.0378
48	133.00	12	29879.	1.3	1.3	0.1531*
49	132.00	21	238592.	10.6	10.6	1.2226*
50	131.00	8	1791.	0.1	0.1	0.0092
51	130.00	10	1101.	0.0	0.0	0.0056
52	128.00	10	10926.	0.5	0.5	0.0560
53	127.00	17	72380.	3.2	3.2	0.3709
54	126.00	6	2073.	0.1	0.1	0.0106
55	125.00	14	33323.	1.5	1.5	0.1700

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	124.00	25	610992.	27.0	27.0	3.1310
57	123.00	6	1243.	0.1	0.1	0.0064
58	122.00	14	18235.	0.8	0.8	0.0934
59	121.00	25	171404.	7.6	7.6	0.8783*
60	120.00	51	2236200.	98.9	98.9	*11.45*
61	119.00	25	294760.	13.0	13.0	1.5105*
62	118.00	21	137520.	6.1	6.1	0.7047*
63	117.00	14	31407.	1.4	1.4	0.1614
64	116.00	17	17373.	0.8	0.8	0.0890
65	113.00	8	1524.	0.1	0.1	0.0078
66	110.00	10	2163.	0.1	0.1	0.0111
67	100.00	10	2404.	0.1	0.1	0.0123
68	107.00	17	39475.	1.7	1.7	0.2023*
69	106.00	21	112356.	5.0	5.0	0.5758
70	105.00	35	1377920.	60.9	60.9	7.0611*
71	104.00	35	660304.	29.2	29.2	3.3841*
72	103.00	25	73124.	3.2	3.2	0.3747*
73	102.00	10	10270.	0.5	0.5	0.0527
74	101.00	10	3941.	0.2	0.2	0.0202*
75	100.00	6	952.	0.0	0.0	0.0049
76	99.00	10	1919.	0.1	0.1	0.0098
77	97.00	17	46157.	2.0	2.0	0.2365*
78	96.00	17	46039.	2.0	2.0	0.2359
79	95.00	12	23229.	1.0	1.0	0.1190*
80	94.00	21	126032.	5.6	5.6	0.6458
81	93.00	17	80600.	3.6	3.6	0.4130
82	92.00	25	398760.	17.6	17.6	2.0435*
83	91.00	25	378864.	16.8	16.8	1.9415*
84	90.00	17	59418.	2.6	2.6	0.3045*
85	89.00	17	17462.	0.8	0.8	0.0895*
86	88.00	12	12177.	0.5	0.5	0.0624
87	87.00	10	3446.	0.2	0.2	0.0177*
88	84.00	6	2704.	0.1	0.1	0.0139
89	83.00	10	1878.	0.1	0.1	0.0096
90	81.00	6	4016.	0.2	0.2	0.0206
91	80.00	10	11207.	0.5	0.5	0.0574
92	79.00	17	75500.	3.3	3.3	0.3869
93	78.00	25	262912.	11.6	11.6	1.3473
94	77.00	35	2260928.	100.0	100.0	*11.58*
95	76.00	21	86952.	3.8	3.8	0.4456*
96	75.00	17	61510.	2.7	2.7	0.3152*
97	74.00	17	66504.	2.9	2.9	0.3408
98	73.00	10	11623.	0.5	0.5	0.0596
99	72.00	21	10251.	0.5	0.5	0.0525
100	71.00	14	8222.	0.4	0.4	0.0421*
101	70.00	17	38919.	1.7	1.7	0.1994*
102	69.00	25	882032.	39.0	39.0	4.5240*
103	68.00	10	4133.	0.2	0.2	0.0212
104	67.00	8	12351.	0.5	0.5	0.0633
105	66.00	17	63757.	2.8	2.8	0.3267
106	65.00	25	310368.	13.7	13.7	1.5905
107	64.00	21	327552.	14.5	14.5	1.6785
108	63.00	21	233036.	10.3	10.3	1.1942
109	62.00	17	59170.	2.6	2.6	0.3033
110	61.00	12	16137.	0.7	0.7	0.0827

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	60.00	8	2226.	0.1	0.1	0.0114
112	59.00	14	9242.	0.4	0.4	0.0474
113	58.00	51	307000.	13.6	13.6	1.5732*
114	57.00	12	16910.	0.7	0.7	0.0867
115	56.00	14	25596.	1.1	1.1	0.1312*
116	55.00	8	3000.	0.1	0.1	0.0158
117	54.00	12	11814.	0.5	0.5	0.0605*
118	53.00	14	30006.	1.3	1.3	0.1538
119	52.00	25	174128.	7.7	7.7	0.8923*
120	51.00	25	979392.	43.3	43.3	5.0188*
121	50.00	21	329904.	14.6	14.6	1.6910
122	49.00	10	7342.	0.3	0.3	0.0376
123	47.00	8	6939.	0.3	0.3	0.0356*
124	46.00	8	2741.	0.1	0.1	0.0140
125	45.00	12	17576.	0.8	0.8	0.0901
126	44.00	29	95936.	4.2	4.2	0.4916*
127	43.00	17	40549.	1.8	1.8	0.2078*
128	42.00	21	152848.	6.8	6.8	0.7833*
129	41.00	21	91488.	4.0	4.0	0.4688
130	40.00	17	77312.	3.4	3.4	0.3962
131	39.00	25	433440.	19.2	19.2	2.2211
132	38.00	25	158564.	7.0	7.0	0.8126
133	37.00	17	59945.	2.7	2.7	0.3072*
134	36.00	17	17683.	0.8	0.8	0.0906*


9PK2.1 [TIC=2175488, 100%=4164416] EI
N,2-dimethylaniline, mono-(trifluoroacetamide)
CH3-N-(C-CF3)2
O
CH3
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
39
51
65
77
91
110
140
217
50
100
150
200
250
300
350
m/z

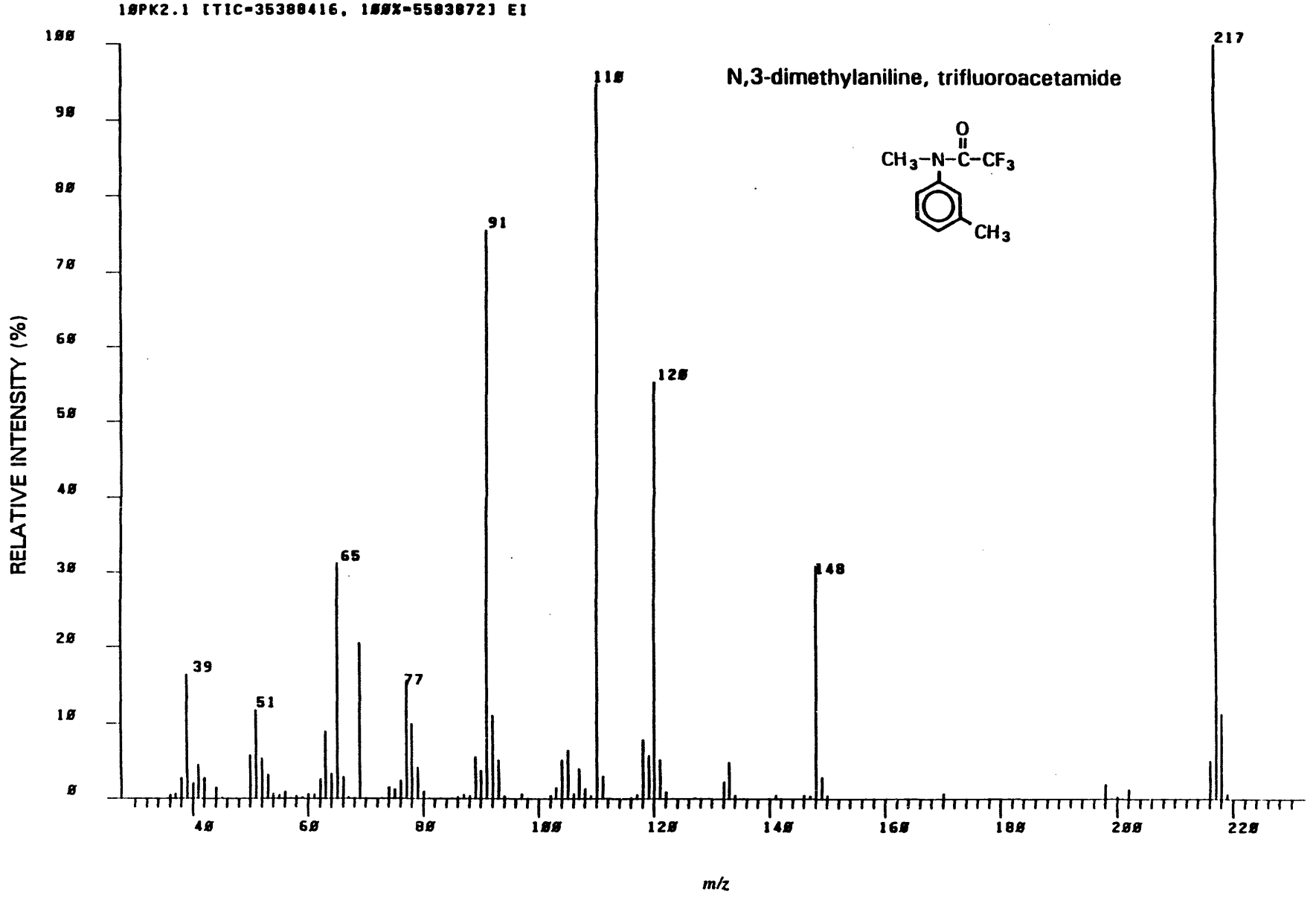
PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	343.00	6	965.	0.0	0.0	0.0044
2	261.00	6	1045.	0.0	0.0	0.0048
3	219.00	8	3432.	0.1	0.1	0.0158
4	218.00	17	144692.	3.5	3.5	0.6651
5	217.00	25	1100600.	26.4	26.4	5.0591*
6	216.00	14	30423.	0.7	0.7	0.1398*
7	207.00	6	1641.	0.0	0.0	0.0076
8	203.00	10	25152.	0.6	0.6	0.1156*
9	202.00	17	261296.	6.3	6.3	1.2011
10	201.00	8	1041.	0.0	0.0	0.0048
11	200.00	10	25116.	0.6	0.6	0.1154
12	199.00	8	6806.	0.2	0.2	0.0313
13	198.00	12	60586.	1.5	1.5	0.2785
14	183.00	8	9240.	0.2	0.2	0.0425
15	182.00	6	1989.	0.0	0.0	0.0091
16	181.00	8	1120.	0.0	0.0	0.0051
17	178.00	8	6877.	0.2	0.2	0.0316
18	175.00	10	3268.	0.1	0.1	0.0150
19	174.00	12	21219.	0.5	0.5	0.0975
20	170.00	10	29395.	0.7	0.7	0.1351
21	166.00	6	1535.	0.0	0.0	0.0071
22	155.00	6	3899.	0.1	0.1	0.0179
23	154.00	10	16617.	0.4	0.4	0.0764
24	150.00	14	29714.	0.7	0.7	0.1366
25	149.00	21	405968.	9.7	9.7	1.8661*
26	148.00	43	4164416.	100.0	100.0	*19.14*
27	147.00	12	42140.	1.0	1.0	0.1937*
28	146.00	10	26424.	0.6	0.6	0.1215
29	141.00	12	14905.	0.4	0.4	0.0685
30	138.00	8	2639.	0.1	0.1	0.0121
31	134.00	10	35255.	0.8	0.8	0.1621
32	133.00	17	297536.	7.1	7.1	1.3677
33	132.00	14	80864.	1.9	1.9	0.3717
34	131.00	10	32871.	0.8	0.8	0.1511*
35	130.00	12	42523.	1.0	1.0	0.1955
36	128.00	6	6965.	0.2	0.2	0.0320
37	127.00	12	5926.	0.1	0.1	0.0272*
38	125.00	8	1400.	0.0	0.0	0.0065
39	124.00	6	1656.	0.0	0.0	0.0076
40	122.00	8	3656.	0.1	0.1	0.0168
41	121.00	14	87924.	2.1	2.1	0.4042
42	120.00	25	1132416.	27.2	27.2	5.2053*
43	119.00	17	149424.	3.6	3.6	0.6869*
44	118.00	21	511168.	12.3	12.3	2.3497
45	117.00	17	111876.	2.7	2.7	0.5143
46	116.00	8	12372.	0.3	0.3	0.0569
47	111.00	14	70252.	1.7	1.7	0.3229
48	110.00	29	2244352.	53.9	53.9	*10.31*
49	109.00	8	16409.	0.4	0.4	0.0754*
50	108.00	10	23756.	0.6	0.6	0.1092
51	107.00	17	128668.	3.1	3.1	0.5914*
52	106.00	12	36769.	0.9	0.9	0.1690
53	105.00	21	197164.	4.7	4.7	0.9063
54	104.00	17	292128.	7.0	7.0	1.3428
55	103.00	14	62868.	1.5	1.5	0.2890

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	102.00	14	24361.	0.6	0.6	0.1120*
57	101.00	14	11912.	0.3	0.3	0.0548*
58	100.00	8	3394.	0.1	0.1	0.0156
59	99.00	8	1177.	0.0	0.0	0.0054
60	97.00	12	31350.	0.8	0.8	0.1441
61	96.00	8	6393.	0.2	0.2	0.0294
62	95.00	8	1338.	0.0	0.0	0.0062
63	94.00	8	4022.	0.1	0.1	0.0185
64	93.00	17	136400.	3.3	3.3	0.6270
65	92.00	17	270896.	6.5	6.5	1.2452
66	91.00	35	2319296.	55.7	55.7	*10.66*
67	90.00	17	124868.	3.0	3.0	0.5740*
68	89.00	17	197340.	4.7	4.7	0.9071*
69	88.00	12	12370.	0.3	0.3	0.0569*
70	87.00	10	10062.	0.2	0.2	0.0463
71	86.00	10	14030.	0.3	0.3	0.0645
72	85.00	8	2069.	0.0	0.0	0.0095
73	83.00	8	3090.	0.1	0.1	0.0142
74	81.00	8	3357.	0.1	0.1	0.0154
75	80.00	8	17305.	0.4	0.4	0.0795
76	79.00	17	163380.	3.9	3.9	0.7510
77	78.00	21	362832.	8.7	8.7	1.6670
78	77.00	17	564912.	13.6	13.6	2.5967
79	76.00	17	87580.	2.1	2.1	0.4026
80	75.00	14	55560.	1.3	1.3	0.2554
81	74.00	12	44063.	1.1	1.1	0.2025
82	73.00	8	4648.	0.1	0.1	0.0214
83	71.00	8	1546.	0.0	0.0	0.0071
84	70.00	10	9672.	0.2	0.2	0.0445
85	69.00	21	900304.	21.0	21.0	4.1752*
86	67.00	8	12103.	0.3	0.3	0.0560
87	66.00	17	120640.	2.9	2.9	0.5545
88	65.00	21	1136512.	27.3	27.3	5.2242*
89	64.00	17	103900.	2.5	2.5	0.4780
90	63.00	17	306512.	7.4	7.4	1.4089
91	62.00	17	89104.	2.1	2.1	0.4096
92	61.00	10	26364.	0.6	0.6	0.1212*
93	60.00	10	21020.	0.5	0.5	0.0967
94	59.00	8	9990.	0.2	0.2	0.0459
95	58.00	8	7629.	0.2	0.2	0.0351
96	57.00	6	5500.	0.1	0.1	0.0253
97	56.00	14	31982.	0.8	0.8	0.1470
98	55.00	12	11014.	0.3	0.3	0.0506
99	54.00	10	26733.	0.6	0.6	0.1229
100	53.00	17	118528.	2.8	2.8	0.5448
101	52.00	17	233404.	5.6	5.6	1.0729
102	51.00	21	504096.	12.1	12.1	2.3172
103	50.00	21	258192.	6.2	6.2	1.1868
104	49.00	6	3044.	0.1	0.1	0.0140
105	47.00	12	3234.	0.1	0.1	0.0149
106	45.00	10	13504.	0.3	0.3	0.0621
107	44.00	17	59638.	1.4	1.4	0.2741*
108	43.00	10	9982.	0.2	0.2	0.0459
109	42.00	17	305856.	7.3	7.3	1.4022
110	41.00	17	150816.	3.6	3.6	0.6933*

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	40.00	17	63064.	1.5	1.5	0.2893*
112	39.00	21	581152.	14.0	14.0	2.6714
113	38.00	17	80332.	1.9	1.9	0.3693*
114	37.00	8	28068.	0.7	0.7	0.1290
115	36.00	10	6102.	0.1	0.1	0.0280


10PK2.1 [TIC=35388416, 100%=5503872] EI
N,3-dimethylaniline, trifluoroacetamide
CH3–N–C–CF3
O
CH3
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
39
51
65
77
91
118
128
148
217
40
60
80
100
120
140
160
180
200
220
m/z

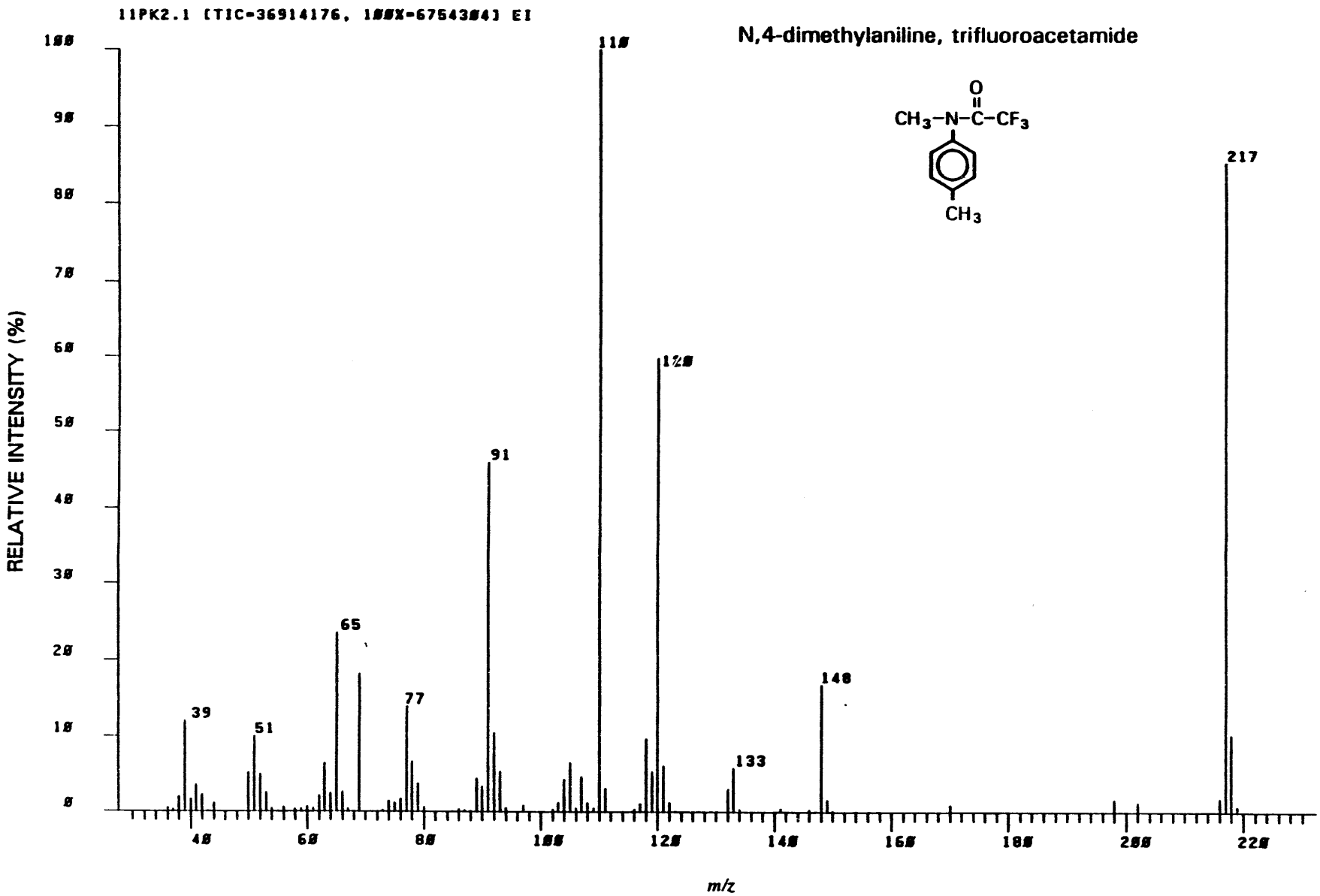
PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	224.00	8	527.	0.0	0.0	0.0015
2	219.00	12	43940.	0.8	0.8	0.1242
3	218.00	25	632528.	11.3	11.3	1.7874*
4	217.00	51	5583872.	100.0	100.0	*15.77*
5	216.00	25	290464.	5.2	5.2	0.8208*
6	215.00	8	8264.	0.1	0.1	0.0234*
7	207.00	6	1360.	0.0	0.0	0.0038
8	203.00	8	2535.	0.0	0.0	0.0072
9	202.00	12	75884.	1.4	1.4	0.2144
10	201.00	6	4899.	0.1	0.1	0.0138
11	200.00	8	21686.	0.4	0.4	0.0613
12	199.00	8	5288.	0.1	0.1	0.0149
13	198.00	14	112576.	2.0	2.0	0.3181
14	188.00	8	3472.	0.1	0.1	0.0098
15	183.00	10	6194.	0.1	0.1	0.0175
16	178.00	8	7302.	0.1	0.1	0.0206
17	176.00	6	3122.	0.1	0.1	0.0088
18	171.00	10	1556.	0.0	0.0	0.0044
19	170.00	12	43760.	0.8	0.8	0.1237*
20	169.00	8	5296.	0.1	0.1	0.0150
21	168.00	8	2159.	0.0	0.0	0.0061
22	166.00	6	1702.	0.0	0.0	0.0048
23	155.00	8	1403.	0.0	0.0	0.0040
24	150.00	10	28263.	0.5	0.5	0.0799
25	149.00	17	163700.	2.9	2.9	0.4626*
26	148.00	29	1717760.	30.8	30.8	4.8540
27	147.00	12	25161.	0.5	0.5	0.0711*
28	146.00	12	29495.	0.5	0.5	0.0833
29	142.00	10	1410.	0.0	0.0	0.0040
30	141.00	10	29670.	0.5	0.5	0.0839
31	139.00	8	2287.	0.0	0.0	0.0065
32	138.00	8	1401.	0.0	0.0	0.0040
33	134.00	10	29320.	0.5	0.5	0.0829
34	133.00	17	274192.	4.9	4.9	0.7748*
35	132.00	17	131896.	2.4	2.4	0.3727
36	131.00	8	2876.	0.1	0.1	0.0081
37	130.00	8	573.	0.0	0.0	0.0016
38	128.00	6	1855.	0.0	0.0	0.0052
39	127.00	8	11651.	0.2	0.2	0.0329
40	125.00	8	3430.	0.1	0.1	0.0097
41	122.00	14	54964.	1.0	1.0	0.1553*
42	121.00	21	293424.	5.3	5.3	0.8292*
43	120.00	35	3087360.	55.3	55.3	8.7242*
44	119.00	21	327720.	5.9	5.9	0.9261*
45	118.00	17	443312.	7.9	7.9	1.2527
46	117.00	10	33835.	0.6	0.6	0.0956
47	116.00	8	10103.	0.2	0.2	0.0285
48	111.00	17	168236.	3.0	3.0	0.4754
49	110.00	43	5286144.	94.7	94.7	*14.93*
50	109.00	12	25507.	0.5	0.5	0.0721*
51	108.00	17	77464.	1.4	1.4	0.2189*
52	107.00	21	227584.	4.1	4.1	0.6431*
53	106.00	12	41732.	0.7	0.7	0.1179
54	105.00	17	363136.	6.5	6.5	1.0261
55	104.00	17	289968.	5.2	5.2	0.8194*

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	103.00	14	86980.	1.6	1.6	0.2458
57	102.00	10	27556.	0.5	0.5	0.0779*
58	101.00	6	3995.	0.1	0.1	0.0113
59	98.00	10	5106.	0.1	0.1	0.0144*
60	97.00	12	42022.	0.8	0.8	0.1187*
61	96.00	6	1660.	0.0	0.0	0.0047
62	95.00	8	1080.	0.0	0.0	0.0031
63	94.00	12	22502.	0.4	0.4	0.0636
64	93.00	17	290176.	5.2	5.2	0.8200
65	92.00	21	620912.	11.1	11.1	1.7546
66	91.00	35	4213504.	75.5	75.5	*11.90*
67	90.00	17	209432.	3.8	3.8	0.5918*
68	89.00	21	313584.	5.6	5.6	0.8861*
69	88.00	10	24410.	0.4	0.4	0.0690
70	87.00	12	34995.	0.6	0.6	0.0989*
71	86.00	10	16946.	0.3	0.3	0.0479
72	85.00	8	5067.	0.1	0.1	0.0143
73	84.00	6	1554.	0.0	0.0	0.0044
74	83.00	8	8103.	0.1	0.1	0.0229
75	81.00	8	5236.	0.1	0.1	0.0148
76	80.00	12	56934.	1.0	1.0	0.1609*
77	79.00	17	235372.	4.2	4.2	0.6651
78	78.00	21	556112.	10.0	10.0	1.5715*
79	77.00	21	869248.	15.6	15.6	2.4563
80	76.00	17	134648.	2.4	2.4	0.3805
81	75.00	14	72824.	1.3	1.3	0.2035*
82	74.00	14	85276.	1.5	1.5	0.2410*
83	73.00	8	5740.	0.1	0.1	0.0162
84	72.00	6	1635.	0.0	0.0	0.0046
85	71.00	6	930.	0.0	0.0	0.0026
86	70.00	8	5005.	0.1	0.1	0.0141
87	69.00	21	1137024.	20.4	20.4	3.2130*
88	68.00	12	5274.	0.1	0.1	0.0149
89	67.00	8	17383.	0.3	0.3	0.0491*
90	66.00	17	165444.	3.0	3.0	0.4675
91	65.00	25	1739456.	31.2	31.2	4.9153*
92	64.00	17	186552.	3.3	3.3	0.5272
93	63.00	21	498200.	8.9	8.9	1.4078
94	62.00	17	147804.	2.6	2.6	0.4177
95	61.00	12	37456.	0.7	0.7	0.1058*
96	60.00	12	36794.	0.7	0.7	0.1040*
97	59.00	10	9670.	0.2	0.2	0.0273*
98	58.00	10	21792.	0.4	0.4	0.0616*
99	57.00	10	8943.	0.2	0.2	0.0253*
100	56.00	12	54671.	1.0	1.0	0.1545*
101	55.00	12	32344.	0.6	0.6	0.0914*
102	54.00	10	40676.	0.7	0.7	0.1149*
103	53.00	17	175900.	3.2	3.2	0.4971
104	52.00	21	303152.	5.4	5.4	0.8566
105	51.00	21	654432.	11.7	11.7	1.8493
106	50.00	21	326864.	5.9	5.9	0.9236
107	49.00	8	5185.	0.1	0.1	0.0147
108	47.00	6	1905.	0.0	0.0	0.0054
109	46.00	6	4377.	0.1	0.1	0.0124
110	45.00	10	11313.	0.2	0.2	0.0320*

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	44.00	17	87500.	1.6	1.6	0.2473
112	43.00	8	2104.	0.0	0.0	0.0059
113	42.00	17	160964.	2.9	2.9	0.4548
114	41.00	21	252980.	4.5	4.5	0.7149
115	40.00	25	117220.	2.1	2.1	0.3312*
116	39.00	21	916600.	16.4	16.4	2.5901
117	38.00	21	157656.	2.8	2.8	0.4456*
118	37.00	12	38743.	0.7	0.7	0.1095*
119	36.00	12	29400.	0.5	0.5	0.0831*


11PK2.1 [TIC=36914176, 100%=67543864] EI
N,4-dimethylaniline, trifluoroacetamide
RELATIVE INTENSITY (%)
m/z
39
51
65
77
91
110
112
133
148
217

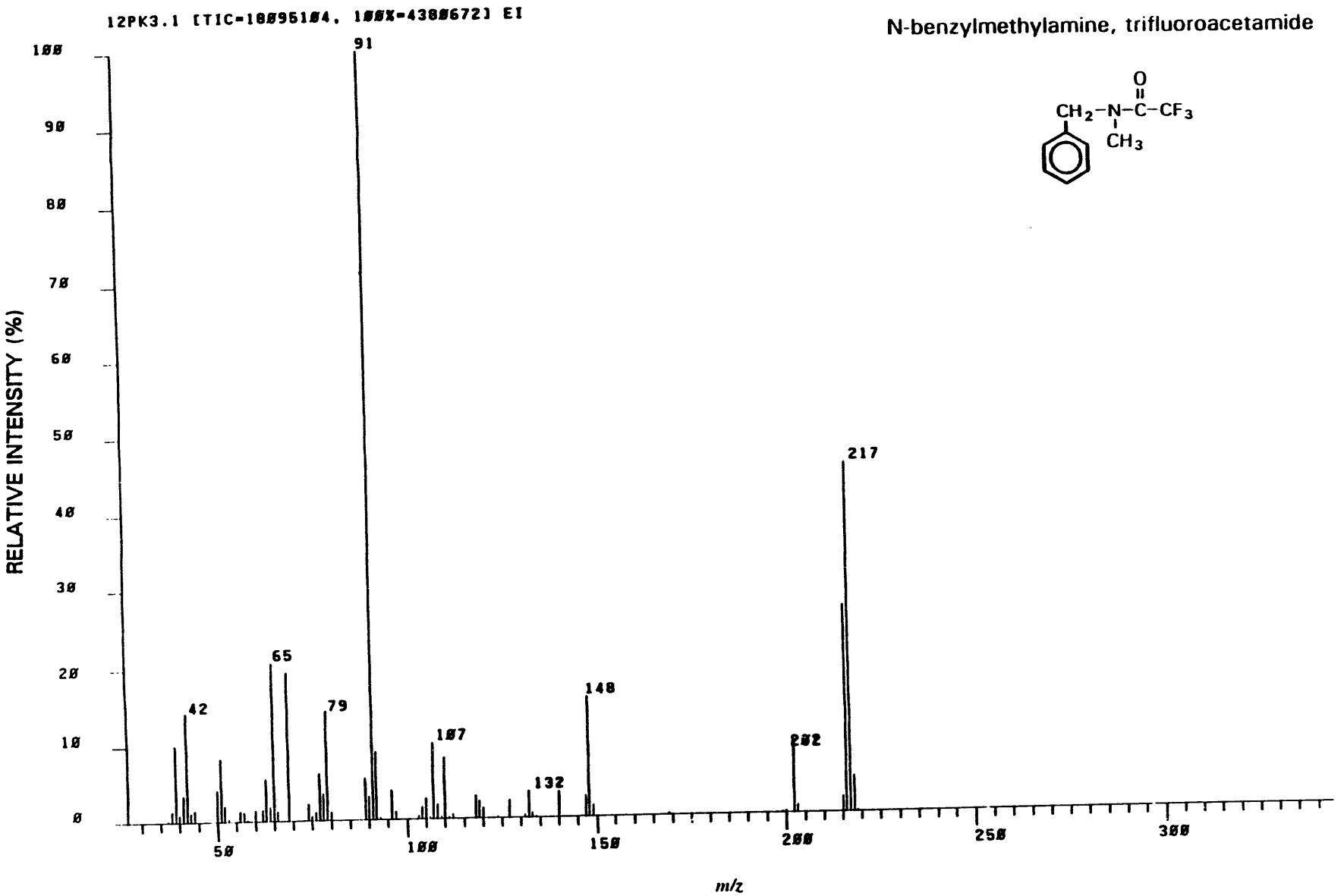
PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	222.00	6	1250.	0.0	0.0	0.0034
2	220.00	6	1166.	0.0	0.0	0.0032
3	219.00	14	54210.	0.0	0.0	0.1469*
4	218.00	25	690496.	10.2	10.2	1.8705*
5	217.00	43	5761536.	85.3	85.3	*15.60*
6	216.00	17	124480.	1.8	1.8	0.3372*
7	215.00	8	8125.	0.1	0.1	0.0220
8	203.00	6	910.	0.0	0.0	0.0025
9	202.00	12	85340.	1.3	1.3	0.2312
10	200.00	8	6623.	0.1	0.1	0.0179
11	199.00	8	10214.	0.2	0.2	0.0277
12	198.00	14	115792.	1.7	1.7	0.3137
13	190.00	6	862.	0.0	0.0	0.0023
14	183.00	8	2175.	0.0	0.0	0.0059
15	178.00	8	4582.	0.1	0.1	0.0124
16	174.00	6	1221.	0.0	0.0	0.0033
17	170.00	12	62915.	0.9	0.9	0.1704
18	169.00	8	1411.	0.0	0.0	0.0038
19	168.00	8	1491.	0.0	0.0	0.0040
20	166.00	8	1435.	0.0	0.0	0.0039
21	154.00	8	6043.	0.1	0.1	0.0164
22	152.00	6	1003.	0.0	0.0	0.0027
23	150.00	10	13144.	0.2	0.2	0.0356
24	149.00	14	111164.	1.6	1.6	0.3011
25	148.00	25	1130048.	16.7	16.7	3.0613*
26	147.00	8	7860.	0.1	0.1	0.0213
27	146.00	10	23259.	0.3	0.3	0.0630
28	141.00	10	30485.	0.5	0.5	0.0826
29	138.00	8	3095.	0.0	0.0	0.0084
30	135.00	10	3164.	0.0	0.0	0.0086
31	134.00	12	27766.	0.4	0.4	0.0752
32	133.00	17	394160.	5.8	5.8	1.0678
33	132.00	17	211764.	3.1	3.1	0.5737*
34	131.00	6	1139.	0.0	0.0	0.0031
35	130.00	6	1038.	0.0	0.0	0.0050
36	129.00	8	1155.	0.0	0.0	0.0031
37	128.00	6	1081.	0.0	0.0	0.0029
38	127.00	8	7757.	0.1	0.1	0.0210
39	123.00	8	5650.	0.1	0.1	0.0153
40	122.00	14	86272.	1.3	1.3	0.2337
41	121.00	21	411872.	6.1	6.1	1.1158*
42	120.00	35	4031936.	59.7	59.7	*10.92*
43	119.00	21	362560.	5.4	5.4	0.9822*
44	118.00	21	651968.	9.7	9.7	1.7662*
45	117.00	12	73628.	1.1	1.1	0.1995*
46	116.00	12	25456.	0.4	0.4	0.0690
47	111.00	17	215140.	3.2	3.2	0.5828*
48	110.00	43	6754304.	100.0	100.0	*18.29*
49	109.00	12	39424.	0.6	0.6	0.1068*
50	108.00	14	83452.	1.2	1.2	0.2261*
51	107.00	17	318176.	4.7	4.7	0.8619*
52	106.00	10	36551.	0.5	0.5	0.0990
53	105.00	17	440576.	6.5	6.5	1.1935
54	104.00	17	291776.	4.3	4.3	0.7904
55	103.00	14	88064.	1.3	1.3	0.2386

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	102.00	8	22600.	0.3	0.3	0.0612
57	101.00	8	3620.	0.1	0.1	0.0098
58	97.00	14	57731.	0.9	0.9	0.1564*
59	96.00	14	1549.	0.0	0.0	0.0042*
60	95.00	6	1595.	0.0	0.0	0.0043
61	94.00	12	36823.	0.5	0.5	0.0998*
62	93.00	21	359648.	5.3	5.3	0.9743*
63	92.00	21	711712.	10.5	10.5	1.9280*
64	91.00	35	3098816.	45.9	45.9	8.3947*
65	90.00	21	235372.	3.5	3.5	0.6376*
66	89.00	21	297680.	4.4	4.4	0.8064*
67	88.00	10	12067.	0.2	0.2	0.0327
68	87.00	12	20895.	0.3	0.3	0.0566*
69	86.00	10	28158.	0.4	0.4	0.0763
70	85.00	10	4896.	0.1	0.1	0.0133
71	83.00	8	1687.	0.0	0.0	0.0046
72	81.00	6	2151.	0.0	0.0	0.0058
73	80.00	12	43037.	0.6	0.6	0.1166
74	79.00	17	260416.	3.9	3.9	0.7055
75	78.00	21	451504.	6.7	6.7	1.2231
76	77.00	21	940864.	13.9	13.9	2.5466*
77	76.00	14	112900.	1.7	1.7	0.3059
78	75.00	17	78628.	1.2	1.2	0.2130*
79	74.00	17	98428.	1.5	1.5	0.2666*
80	73.00	10	16911.	0.3	0.3	0.0458
81	72.00	8	2782.	0.0	0.0	0.0075
82	70.00	8	4524.	0.1	0.1	0.0123
83	69.00	25	1226624.	18.2	18.2	3.3229*
84	68.00	10	5942.	0.1	0.1	0.0161
85	67.00	12	32512.	0.5	0.5	0.0881*
86	66.00	17	181060.	2.7	2.7	0.4905*
87	65.00	25	1582080.	23.4	23.4	4.2858*
88	64.00	17	170660.	2.5	2.5	0.4623*
89	63.00	17	432128.	6.4	6.4	1.1706
90	62.00	17	150532.	2.2	2.2	0.4078*
91	61.00	10	36298.	0.5	0.5	0.0983*
92	60.00	12	50641.	0.7	0.7	0.1372*
93	59.00	10	28582.	0.4	0.4	0.0774*
94	58.00	10	27709.	0.4	0.4	0.0751
95	57.00	8	4080.	0.1	0.1	0.0111
96	56.00	14	40705.	0.6	0.6	0.1103*
97	55.00	8	8010.	0.1	0.1	0.0217
98	54.00	10	29602.	0.4	0.4	0.0802
99	53.00	17	175336.	2.6	2.6	0.4750
100	52.00	21	338720.	5.0	5.0	0.9176
101	51.00	21	676816.	10.0	10.0	1.8335
102	50.00	21	352224.	5.2	5.2	0.9542
103	49.00	6	5490.	0.1	0.1	0.0149
104	46.00	6	1497.	0.0	0.0	0.0041
105	45.00	10	8809.	0.1	0.1	0.0239
106	44.00	14	75604.	1.1	1.1	0.2048*
107	43.00	10	14257.	0.2	0.2	0.0386*
108	42.00	17	156724.	2.3	2.3	0.4246
109	41.00	17	244716.	3.6	3.6	0.6629
110	40.00	21	118160.	1.7	1.7	0.3201*

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	39.00	21	810672.	12.0	12.0	2.1961*
112	38.00	17	135456.	2.0	2.0	0.3669*
113	37.00	14	22666.	0.3	0.3	0.0614*
114	36.00	10	35017.	0.5	0.5	0.0949

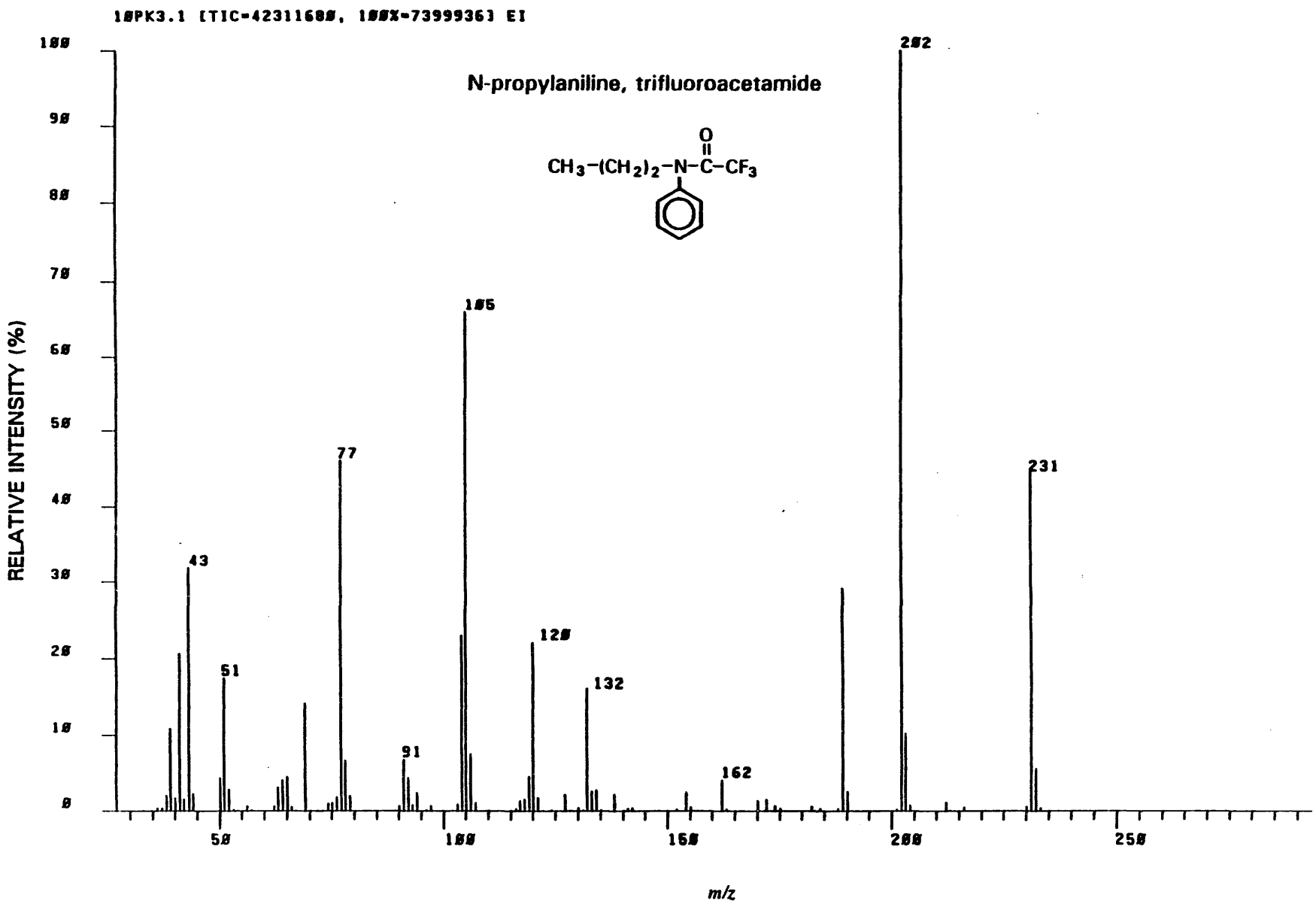

12PK3.1 [TIC=10095104, 100%=4300672] EI
N-benzylmethylamine, trifluoroacetamide
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
91
217
65
42
79
148
107
132
232
50
100
150
200
250
300
m/z

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	231.00	6	1163.	0.0	0.0	0.0066
2	220.00	6	1711.	0.0	0.0	0.0097
3	219.00	12	12577.	0.3	0.3	0.0711
4	218.00	17	210348.	4.9	4.9	1.1883*
5	217.00	35	1969216.	46.0	46.0	*11.12*
6	216.00	35	1163328.	27.1	27.1	6.5722*
7	215.00	35	91292.	2.1	2.1	0.5157*
8	203.00	12	42985.	1.0	1.0	0.2428
9	202.00	17	408272.	9.5	9.5	2.3065*
10	201.00	6	895.	0.0	0.0	0.0051
11	200.00	10	10225.	0.2	0.2	0.0578*
12	199.00	6	7854.	0.2	0.2	0.0444
13	187.00	6	3084.	0.1	0.1	0.0174
14	181.00	8	3778.	0.1	0.1	0.0213
15	169.00	12	8784.	0.2	0.2	0.0496
16	164.00	6	1225.	0.0	0.0	0.0069
17	154.00	10	5668.	0.1	0.1	0.0320
18	150.00	6	592.	0.0	0.0	0.0033
19	149.00	17	68412.	1.6	1.6	0.3865
20	148.00	21	675712.	15.8	15.8	3.8174
21	147.00	17	121044.	2.8	2.8	0.6838*
22	146.00	6	9416.	0.2	0.2	0.0532
23	141.00	8	6354.	0.1	0.1	0.0359
24	140.00	17	144036.	3.4	3.4	0.8137
25	134.00	10	8930.	0.2	0.2	0.0504
26	133.00	12	33239.	0.8	0.8	0.1878
27	132.00	17	148976.	3.5	3.5	0.8416
28	131.00	10	18488.	0.4	0.4	0.1044
29	128.00	8	3502.	0.1	0.1	0.0198
30	127.00	17	102472.	2.4	2.4	0.5789
31	126.00	8	2361.	0.1	0.1	0.0133
32	124.00	8	7758.	0.2	0.2	0.0438
33	121.00	8	2236.	0.1	0.1	0.0126
34	120.00	14	59952.	1.4	1.4	0.3387
35	119.00	17	97184.	2.3	2.3	0.5490
36	118.00	17	132956.	3.1	3.1	0.7511
37	117.00	8	6026.	0.1	0.1	0.0340
38	116.00	8	4638.	0.1	0.1	0.0262
39	112.00	12	26982.	0.6	0.6	0.1524
40	111.00	8	12323.	0.3	0.3	0.0696
41	110.00	21	351066.	8.2	8.2	1.9833
42	109.00	12	18551.	0.4	0.4	0.1048*
43	108.00	21	83024.	1.9	1.9	0.4690*
44	107.00	21	429952.	10.0	10.0	2.4290*
45	106.00	8	15705.	0.4	0.4	0.0887
46	105.00	17	116828.	2.7	2.7	0.6600*
47	104.00	17	69456.	1.6	1.6	0.3924
48	103.00	10	20772.	0.5	0.5	0.1174
49	102.00	10	2803.	0.1	0.1	0.0158
50	101.00	6	730.	0.0	0.0	0.0041
51	99.00	6	1385.	0.0	0.0	0.0078
52	97.00	14	42497.	1.0	1.0	0.2401
53	96.00	17	169332.	4.0	4.0	0.9566
54	93.00	12	16668.	0.4	0.4	0.0942*
55	92.00	21	387104.	9.0	9.0	2.1869

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	91.00	43	4284928.	100.0	100.0	*24.20*
57	90.00	17	134504.	3.1	3.1	0.7599*
58	89.00	17	239728.	5.6	5.6	1.3543*
59	87.00	8	3158.	0.1	0.1	0.0178
60	86.00	6	856.	0.0	0.0	0.0048
61	85.00	10	1999.	0.0	0.0	0.0113
62	83.00	8	1037.	0.0	0.0	0.0059
63	80.00	12	46828.	1.1	1.1	0.2646
64	79.00	21	617040.	14.4	14.4	3.4859
65	78.00	21	150452.	3.5	3.5	0.8500
66	77.00	17	269584.	6.3	6.3	1.5230
67	76.00	14	47654.	1.1	1.1	0.2692*
68	75.00	12	29029.	0.7	0.7	0.1640*
69	74.00	17	93308.	2.2	2.2	0.5271*
70	73.00	6	4414.	0.1	0.1	0.0249
71	70.00	6	1437.	0.0	0.0	0.0081
72	69.00	21	820272.	19.1	19.1	4.6341
73	67.00	8	1873.	0.0	0.0	0.0106
74	66.00	17	59254.	1.4	1.4	0.3348*
75	65.00	21	881488.	20.6	20.6	4.9799
76	64.00	17	83920.	2.0	2.0	0.4741
77	63.00	17	238144.	5.6	5.6	1.3454
78	62.00	17	68564.	1.6	1.6	0.3873
79	61.00	10	1731.	0.0	0.0	0.0098
80	60.00	17	63784.	1.5	1.5	0.3603*
81	59.00	6	1107.	0.0	0.0	0.0063
82	58.00	10	13271.	0.3	0.3	0.0750*
83	57.00	17	52359.	1.2	1.2	0.2958*
84	56.00	17	60962.	1.4	1.4	0.3444*
85	55.00	6	2307.	0.1	0.1	0.0130
86	54.00	8	1617.	0.0	0.0	0.0091
87	53.00	8	15107.	0.4	0.4	0.0853
88	52.00	17	87736.	2.0	2.0	0.4957*
89	51.00	21	355248	8.3	8.3	2.0070
90	50.00	21	179180.	4.2	4.2	1.0123
91	47.00	10	1973.	0.0	0.0	0.0111
92	45.00	8	3295.	0.1	0.1	0.0186
93	44.00	17	64845.	1.5	1.5	0.3663*
94	43.00	17	53270.	1.2	1.2	0.3009*
95	42.00	21	605056.	14.1	14.1	3.4182
96	41.00	17	147364.	3.4	3.4	0.8325
97	40.00	17	38255.	0.9	0.9	0.2161*
98	39.00	21	430256.	10.0	10.0	2.4307
99	38.00	14	60193.	1.4	1.4	0.3401*
100	37.00	8	12721.	0.3	0.3	0.0719
101	36.00	8	6497.	0.2	0.2	0.0367
102	35.00	6	1651.	0.0	0.0	0.0093


18PK3.1 [TIC=4231168#, 1##%=7399936] EI
N-propylaniline, trifluoroacetamide
CH3-(CH2)2-N-C-CF3
O
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
282
185
231
77
43
128
51
132
91
162
50
100
150
200
250
m/z

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	281.00	8	1932.	0.0	0.0	0.0046
2	269.00	6	557.	0.0	0.0	0.0013
3	233.00	10	36895.	0.5	0.5	0.0853
4	232.00	21	428784.	5.7	5.7	0.9943
5	231.00	35	3293120.	44.5	44.5	7.7830*
6	230.00	14	45951.	0.6	0.6	0.1086*
7	229.00	6	759.	0.0	0.0	0.0018
8	220.00	6	1641.	0.0	0.0	0.0039
9	216.00	10	39950.	0.5	0.5	0.0944
10	214.00	6	965.	0.0	0.0	0.0023
11	213.00	8	7854.	0.1	0.1	0.0186
12	212.00	12	79780.	1.1	1.1	0.1886
13	207.00	6	1366.	0.0	0.0	0.0032
14	205.00	6	794.	0.0	0.0	0.0019
15	204.00	12	56481.	0.8	0.8	0.1335*
16	203.00	25	760000.	10.3	10.3	1.7981*
17	202.00	43	7399936.	100.0	100.0	*17.48*
18	201.00	12	21659.	0.3	0.3	0.0498*
19	200.00	6	717.	0.0	0.0	0.0017
20	199.00	6	483.	0.0	0.0	0.0011
21	191.00	8	12125.	0.2	0.2	0.0287
22	190.00	17	196104.	2.7	2.7	0.4635*
23	189.00	29	2151872.	29.1	29.1	5.0858*
24	188.00	10	26521.	0.4	0.4	0.0627
25	184.00	10	27432.	0.4	0.4	0.0648
26	183.00	6	1870.	0.0	0.0	0.0044
27	182.00	10	49888.	0.7	0.7	0.1179
28	176.00	6	2066.	0.0	0.0	0.0049
29	175.00	10	27960.	0.4	0.4	0.0661
30	174.00	12	52583.	0.7	0.7	0.1243
31	173.00	8	5104.	0.1	0.1	0.0121
32	172.00	14	113296.	1.5	1.5	0.2678
33	171.00	8	1100.	0.0	0.0	0.0026
34	170.00	14	101224.	1.4	1.4	0.2392
35	169.00	8	3263.	0.0	0.0	0.0077
36	168.00	6	2983.	0.0	0.0	0.0071
37	164.00	6	1461.	0.0	0.0	0.0035
38	163.00	10	26894.	0.4	0.4	0.0636
39	162.00	17	311872.	4.2	4.2	0.7371
40	160.00	6	2263.	0.0	0.0	0.0053
41	155.00	14	37591.	0.5	0.5	0.0888*
42	154.00	17	185444.	2.5	2.5	0.4383*
43	153.00	8	2051.	0.0	0.0	0.0048
44	152.00	10	24603.	0.3	0.3	0.0581
45	147.00	6	830.	0.0	0.0	0.0020
46	146.00	10	4395.	0.1	0.1	0.0104
47	145.00	8	5640.	0.1	0.1	0.0133
48	143.00	6	1000.	0.0	0.0	0.0024
49	142.00	10	32747.	0.4	0.4	0.0774
50	141.00	10	30200.	0.4	0.4	0.0714
51	140.00	8	10243.	0.1	0.1	0.0242
52	139.00	8	3459.	0.0	0.0	0.0082
53	138.00	14	165104.	2.2	2.2	0.3902
54	135.00	8	13996.	0.2	0.2	0.0331
55	134.00	17	209592.	2.8	2.8	0.4954

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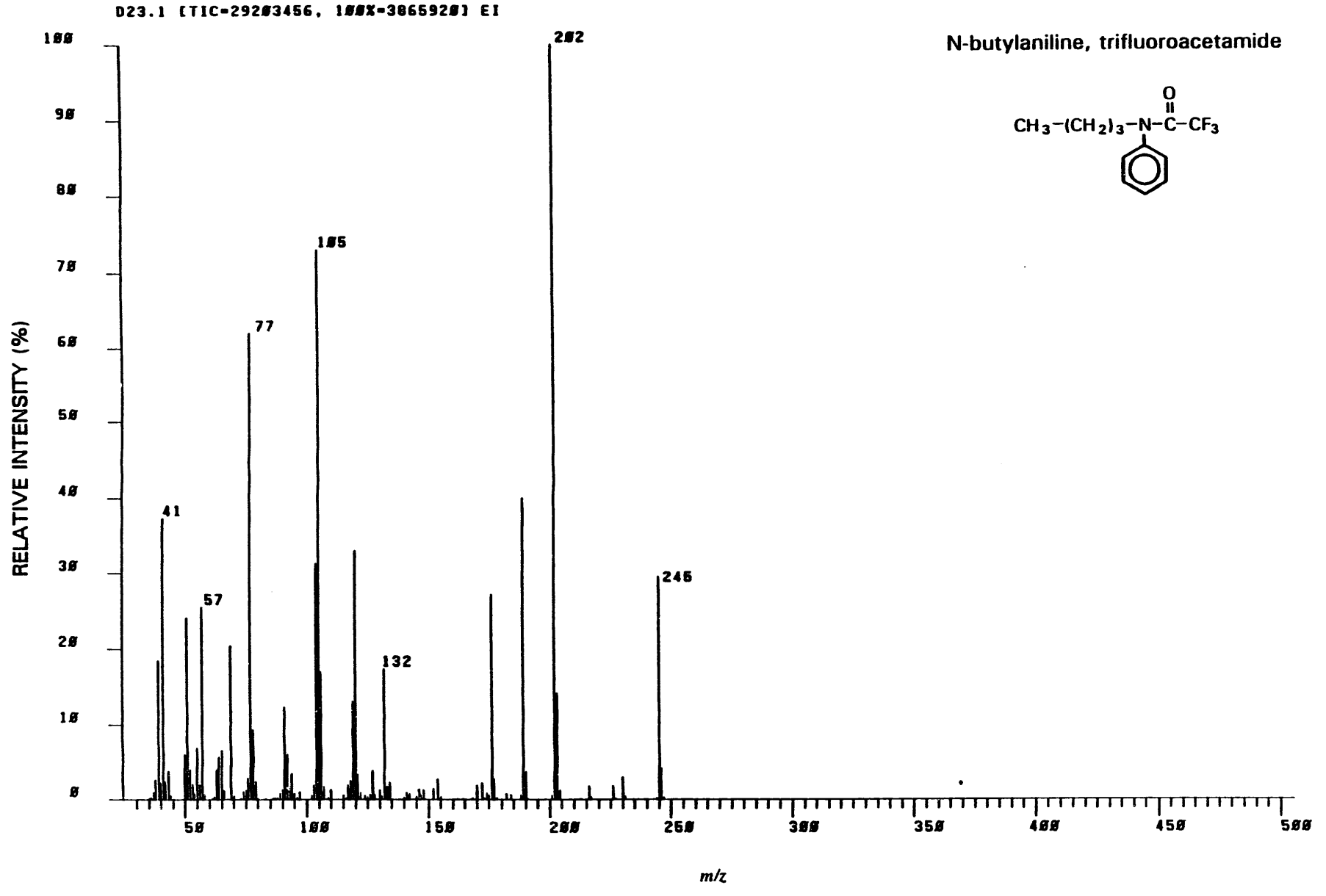
PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	133.00	21	191416.	2.6	2.6	0.4524*
57	132.00	21	1198000.	16.2	16.2	2.8316*
58	131.00	10	12817.	0.2	0.2	0.0303
59	130.00	12	33529.	0.5	0.5	0.0792
60	120.00	8	8162.	0.1	0.1	0.0193
61	127.00	17	165492.	2.2	2.2	0.3911
62	126.00	6	1352.	0.0	0.0	0.0032
63	124.00	8	15676.	0.2	0.2	0.0370
64	122.00	8	7047.	0.1	0.1	0.0167
65	121.00	14	131148.	1.8	1.8	0.3100
66	120.00	21	1636544.	22.1	22.1	3.8670*
67	119.00	21	347344.	4.7	4.7	0.8209
68	110.00	14	120692.	1.6	1.6	0.2852*
69	117.00	17	99116.	1.3	1.3	0.2343*
70	116.00	10	27104.	0.4	0.4	0.0641
71	115.00	8	11292.	0.2	0.2	0.0267
72	114.00	8	3905.	0.1	0.1	0.0092
73	111.00	8	1927.	0.0	0.0	0.0046
74	110.00	10	10338.	0.1	0.1	0.0244
75	109.00	10	4761.	0.1	0.1	0.0113
76	108.00	6	2695.	0.0	0.0	0.0064
77	107.00	14	84364.	1.1	1.1	0.1994*
78	106.00	17	559376.	7.6	7.6	1.3220
79	105.00	35	4871424.	65.8	65.8	*11.51*
80	104.00	25	1707648.	23.1	23.1	4.0359*
81	103.00	17	67056.	0.9	0.9	0.1585*
82	102.00	8	9609.	0.1	0.1	0.0229
83	101.00	8	4229.	0.1	0.1	0.0100
84	98.00	6	2837.	0.0	0.0	0.0067
85	97.00	10	51791.	0.7	0.7	0.1224
86	96.00	8	17634.	0.2	0.2	0.0417
87	95.00	8	6131.	0.1	0.1	0.0145
88	94.00	17	183340.	2.5	2.5	0.4333
89	93.00	12	64439.	0.9	0.9	0.1523*
90	92.00	17	332448.	4.5	4.5	0.7857
91	91.00	21	508480.	6.9	6.9	1.2017
92	90.00	12	50024.	0.7	0.7	0.1182
93	89.00	8	5892.	0.1	0.1	0.0139
94	88.00	6	2135.	0.0	0.0	0.0050
95	87.00	6	1307.	0.0	0.0	0.0031
96	86.00	12	1931.	0.0	0.0	0.0046*
97	84.00	8	3333.	0.0	0.0	0.0079
98	83.00	10	2262.	0.0	0.0	0.0053
99	79.00	17	151100.	2.0	2.0	0.3571
100	78.00	21	501360.	6.8	6.8	1.1849
101	77.00	35	3401664.	46.0	46.0	8.0395*
102	76.00	17	136680.	1.8	1.8	0.3230*
103	75.00	14	84232.	1.1	1.1	0.1991
104	74.00	14	74604.	1.0	1.0	0.1763
105	73.00	12	6067.	0.1	0.1	0.0143*
106	70.00	10	6965.	0.1	0.1	0.0165
107	69.00	21	1054656.	14.3	14.3	2.4926
108	67.00	8	3939.	0.1	0.1	0.0093
109	66.00	12	49863.	0.7	0.7	0.1178
110	65.00	21	339984.	4.6	4.6	0.8035

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	64.00	21	300464.	4.2	4.2	0.7290
112	63.00	17	233892.	3.2	3.2	0.5620
113	62.00	12	54957.	0.7	0.7	0.1299*
114	61.00	6	4725.	0.1	0.1	0.0112
115	59.00	8	1018.	0.0	0.0	0.0024
116	57.00	8	16076.	0.2	0.2	0.0380
117	56.00	14	52460.	0.7	0.7	0.1240*
118	55.00	6	2657.	0.0	0.0	0.0063
119	54.00	8	8424.	0.1	0.1	0.0199
120	53.00	12	22943.	0.3	0.3	0.0542
121	52.00	21	219812.	3.0	3.0	0.5195*
122	51.00	25	1295552.	17.5	17.5	3.0619
123	50.00	21	337640.	4.6	4.6	0.7980
124	49.00	8	2753.	0.0	0.0	0.0065
125	47.00	6	1535.	0.0	0.0	0.0036
126	45.00	6	893.	0.0	0.0	0.0021
127	44.00	29	173176.	2.3	2.3	0.4093*
128	43.00	25	2363712.	31.9	31.9	5.5864*
129	42.00	17	120212.	1.6	1.6	0.2841*
130	41.00	25	153040.	20.7	20.7	3.6161*
131	40.00	21	135076.	1.8	1.8	0.3192*
132	39.00	21	810112.	10.9	10.9	1.9146
133	38.00	17	153992.	2.1	2.1	0.3639
134	37.00	10	31146.	0.4	0.4	0.0736*
135	36.00	10	35454.	0.5	0.5	0.0838*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CH3-(CH2)3-N-C-CF3
O
RELATIVE INTENSITY (%)
100
90
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50
100
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400
450
500
m/z

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	493.00	6	1281.	0.0	0.0	0.0044
2	355.00	6	315.	0.0	0.0	0.0011
3	247.00	10	15365.	0.4	0.4	0.0526
4	246.00	25	158592.	4.1	4.1	0.5431*
5	245.00	35	1138304.	29.4	29.4	3.8978*
6	244.00	14	11502.	0.3	0.3	0.0394*
7	243.00	6	4425.	0.1	0.1	0.0152
8	240.00	6	1343.	0.0	0.0	0.0046
9	231.00	12	18331.	0.5	0.5	0.0628
10	230.00	17	114772.	3.0	3.0	0.3930
11	227.00	12	7826.	0.2	0.2	0.0268
12	226.00	17	70292.	1.8	1.8	0.2407
13	217.00	12	14916.	0.4	0.4	0.0511*
14	216.00	14	67900.	1.8	1.8	0.2325
15	213.00	8	3341.	0.1	0.1	0.0114
16	212.00	6	2324.	0.1	0.1	0.0080
17	207.00	6	1795.	0.0	0.0	0.0061
18	206.00	8	757.	0.0	0.0	0.0026
19	204.00	21	48600.	1.3	1.3	0.1664*
20	203.00	35	543240.	14.1	14.1	1.8602*
21	202.00	51	3865920.	100.0	100.0	*13.23*
22	201.00	17	25294.	0.7	0.7	0.0866*
23	200.00	6	2821.	0.1	0.1	0.0097
24	198.00	8	3990.	0.1	0.1	0.0137
25	196.00	6	538.	0.0	0.0	0.0018
26	194.00	8	1016.	0.0	0.0	0.0035
27	192.00	12	1883.	0.0	0.0	0.0064
28	191.00	8	6612.	0.2	0.2	0.0226
29	190.00	21	143328.	3.7	3.7	0.4900
30	189.00	43	1542144.	39.9	39.9	5.2807*
31	188.00	17	26476.	0.7	0.7	0.0907*
32	187.00	8	2984.	0.1	0.1	0.0102
33	186.00	6	1436.	0.0	0.0	0.0049
34	185.00	10	1917.	0.0	0.0	0.0066
35	184.00	12	27312.	0.7	0.7	0.0935
36	182.00	14	29518.	0.8	0.8	0.1011*
37	178.00	8	11002.	0.3	0.3	0.0377
38	177.00	21	108736.	2.8	2.8	0.3723*
39	176.00	35	1046000.	27.1	27.1	3.5818*
40	175.00	17	27278.	0.7	0.7	0.0934*
41	174.00	17	36937.	1.0	1.0	0.1265*
42	173.00	10	9692.	0.3	0.3	0.0332
43	172.00	17	84260.	2.2	2.2	0.2885
44	171.00	6	1337.	0.0	0.0	0.0046
45	170.00	17	72268.	1.9	1.9	0.2475
46	169.00	6	5164.	0.1	0.1	0.0177
47	168.00	10	12157.	0.3	0.3	0.0416
48	166.00	8	1414.	0.0	0.0	0.0048
49	164.00	10	5327.	0.1	0.1	0.0182
50	162.00	8	5448.	0.1	0.1	0.0187
51	161.00	8	1390.	0.0	0.0	0.0048
52	160.00	8	1459.	0.0	0.0	0.0050
53	158.00	8	870.	0.0	0.0	0.0030
54	155.00	10	17566.	0.5	0.5	0.0602
55	154.00	17	105336.	2.7	2.7	0.3607*

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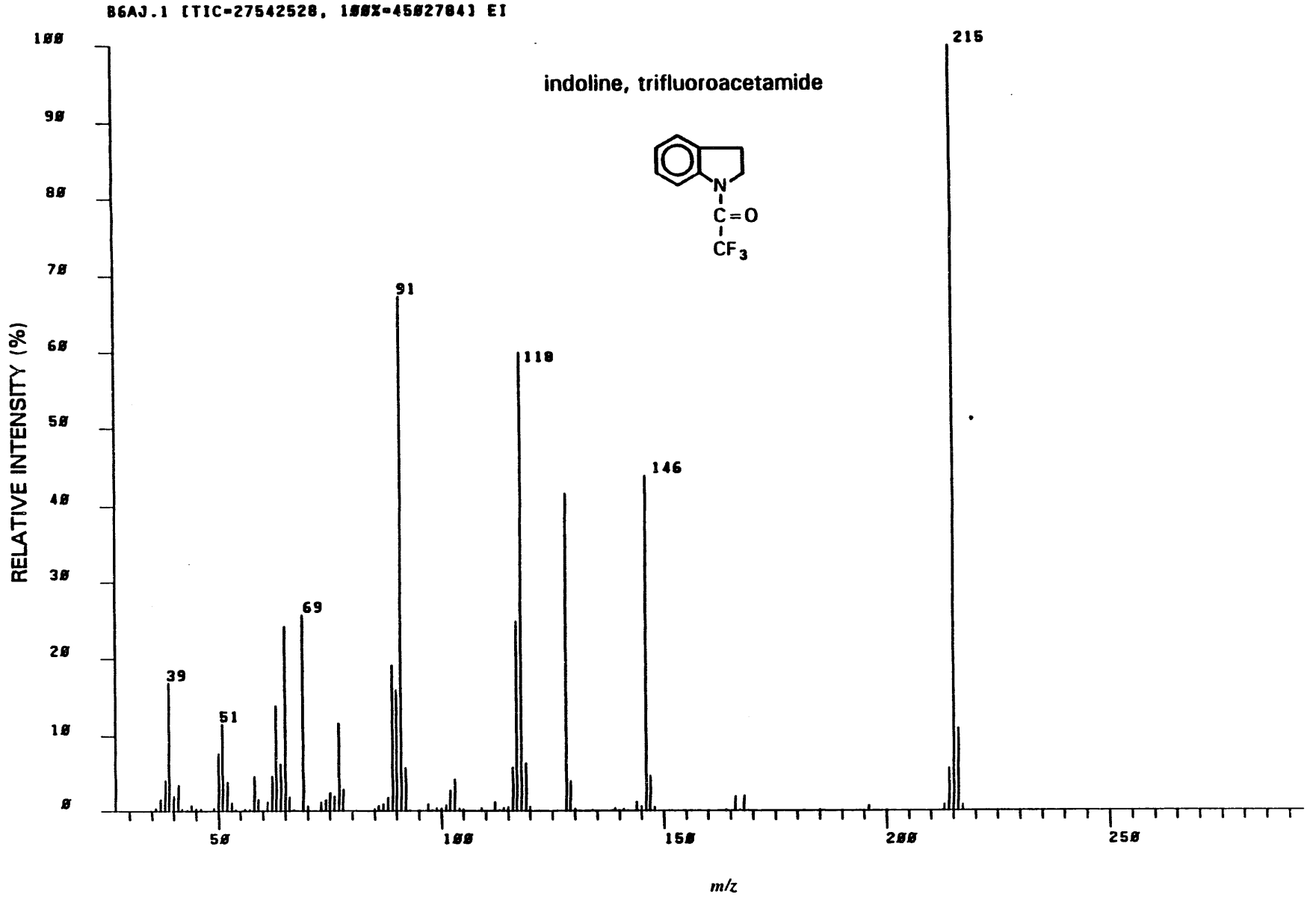
PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	153.00	10	1889.	0.0	0.0	0.0065
57	152.00	17	56761.	1.5	1.5	0.1943
58	150.00	8	2129.	0.1	0.1	0.0073
59	149.00	10	4961.	0.1	0.1	0.0170
60	148.00	17	48249.	1.2	1.2	0.1652
61	147.00	12	22946.	0.6	0.6	0.0786*
62	146.00	21	53639.	1.4	1.4	0.1837*
63	145.00	14	18955.	0.5	0.5	0.0649*
64	144.00	10	3799.	0.1	0.1	0.0130
65	143.00	10	2073.	0.1	0.1	0.0071
66	142.00	14	31445.	0.8	0.8	0.1077*
67	141.00	14	35020.	0.9	0.9	0.1199
68	140.00	10	10675.	0.3	0.3	0.0366
69	139.00	8	2399.	0.1	0.1	0.0082
70	138.00	8	3145.	0.1	0.1	0.0108
71	135.00	10	5402.	0.1	0.1	0.0188
72	134.00	17	88740.	2.3	2.3	0.3039
73	133.00	17	69664.	1.8	1.8	0.2385*
74	132.00	25	668992.	17.3	17.3	2.2900*
75	131.00	14	20793.	0.5	0.5	0.0712*
76	130.00	17	48823.	1.3	1.3	0.1672*
77	129.00	12	5133.	0.1	0.1	0.0176*
78	128.00	21	28138.	0.7	0.7	0.0964*
79	127.00	35	147032.	3.8	3.8	0.5035*
80	126.00	21	27301.	0.7	0.7	0.0935*
81	125.00	17	13332.	0.3	0.3	0.0457*
82	124.00	14	23600.	0.6	0.6	0.0808*
83	123.00	8	4654.	0.1	0.1	0.0159
84	122.00	17	35306.	0.9	0.9	0.1209
85	121.00	25	129712.	3.4	3.4	0.4442*
86	120.00	35	1272896.	32.9	32.9	4.3587*
87	119.00	29	501472.	13.0	13.0	1.7172*
88	118.00	17	99120.	2.6	2.6	0.3394
89	117.00	17	75040.	1.9	1.9	0.2570*
90	116.00	10	15100.	0.4	0.4	0.0517
91	115.00	12	23983.	0.6	0.6	0.0821
92	114.00	10	2311.	0.1	0.1	0.0079
93	112.00	6	1471.	0.0	0.0	0.0050
94	111.00	8	1402.	0.0	0.0	0.0048
95	110.00	17	50529.	1.3	1.3	0.1730
96	109.00	8	9796.	0.3	0.3	0.0335
97	108.00	10	5501.	0.1	0.1	0.0188
98	107.00	17	68444.	1.8	1.8	0.2344
99	106.00	29	658240.	17.0	17.0	2.2540*
100	105.00	59	2819520.	72.9	72.9	9.6547*
101	104.00	43	1200120.	31.3	31.3	4.1369*
102	103.00	35	74580.	1.9	1.9	0.2554*
103	102.00	12	22900.	0.6	0.6	0.0784*
104	100.00	8	1219.	0.0	0.0	0.0042
105	98.00	6	991.	0.0	0.0	0.0034
106	97.00	14	40313.	1.0	1.0	0.1380
107	96.00	12	16022.	0.4	0.4	0.0549
108	95.00	17	32980.	0.9	0.9	0.1129*
109	94.00	21	131640.	3.4	3.4	0.4508
110	93.00	17	65000.	1.7	1.7	0.2256

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	92.00	21	232584.	6.0	6.0	0.7964
112	91.00	25	477504.	12.4	12.4	1.6351*
113	90.00	17	53207.	1.4	1.4	0.1822*
114	89.00	17	31916.	0.8	0.8	0.1093*
115	88.00	12	12746.	0.3	0.3	0.0436*
116	87.00	12	10438.	0.3	0.3	0.0357*
117	86.00	10	7553.	0.2	0.2	0.0259*
118	84.00	8	3010.	0.1	0.1	0.0103
119	83.00	8	5671.	0.1	0.1	0.0194
120	82.00	8	1418.	0.0	0.0	0.0049
121	81.00	8	803.	0.0	0.0	0.0027
122	80.00	10	8846.	0.2	0.2	0.0303
123	79.00	21	96128.	2.5	2.5	0.3292
124	78.00	29	361120.	9.3	9.3	1.2366*
125	77.00	43	2398520.	62.0	62.0	8.2132*
126	76.00	29	110672.	2.9	2.9	0.3790*
127	75.00	17	52405.	1.4	1.4	0.1797*
128	74.00	17	43393.	1.1	1.1	0.1486
129	73.00	12	8924.	0.2	0.2	0.0306*
130	72.00	8	1299.	0.0	0.0	0.0044
131	70.00	12	21705.	0.6	0.6	0.0743*
132	69.00	25	787120.	20.4	20.4	2.6953*
133	68.00	17	6847.	0.2	0.2	0.0234*
134	67.00	10	5719.	0.1	0.1	0.0196
135	66.00	17	50463.	1.3	1.3	0.1728*
136	65.00	25	251240.	6.5	6.5	0.8603*
137	64.00	25	221372.	5.7	5.7	0.7580*
138	63.00	21	152300.	3.9	3.9	0.5210*
139	62.00	14	19369.	0.5	0.5	0.0663*
140	61.00	10	8173.	0.2	0.2	0.0280*
141	58.00	14	28983.	0.7	0.7	0.0992
142	57.00	35	984176.	25.5	25.5	3.3701*
143	56.00	25	79100.	2.0	2.0	0.2709*
144	55.00	29	265936.	6.9	6.9	0.9106*
145	54.00	21	35891.	0.9	0.9	0.1229*
146	53.00	21	82860.	2.1	2.1	0.2837
147	52.00	21	154964.	4.0	4.0	0.5306*
148	51.00	29	930416.	24.1	24.1	3.1860*
149	50.00	21	234076.	6.1	6.1	0.8015*
150	49.00	8	3476.	0.1	0.1	0.0119
151	47.00	8	2885.	0.1	0.1	0.0099
152	46.00	6	404.	0.0	0.0	0.0014
153	45.00	10	3377.	0.1	0.1	0.0116*
154	44.00	14	25077.	0.7	0.7	0.0806*
155	43.00	21	144972.	3.7	3.7	0.4964
156	42.00	21	95076.	2.5	2.5	0.3256*
157	41.00	35	1446912.	37.4	37.4	4.9546*
158	40.00	21	86460.	2.2	2.2	0.2961*
159	39.00	29	714040.	18.5	18.5	2.4470*
160	38.00	25	102352.	2.6	2.6	0.3505*
161	37.00	14	39391.	1.0	1.0	0.1349
162	36.00	12	15364.	0.4	0.4	0.0526*
163	35.00	17	6849.	0.2	0.2	0.0235*


86AJ.1 [TIC=27542528, 100%=45027804] EI
indoline, trifluoroacetamide
N
C=O
CF3
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
215
91
118
146
69
39
51
50
100
150
200
250
m/z

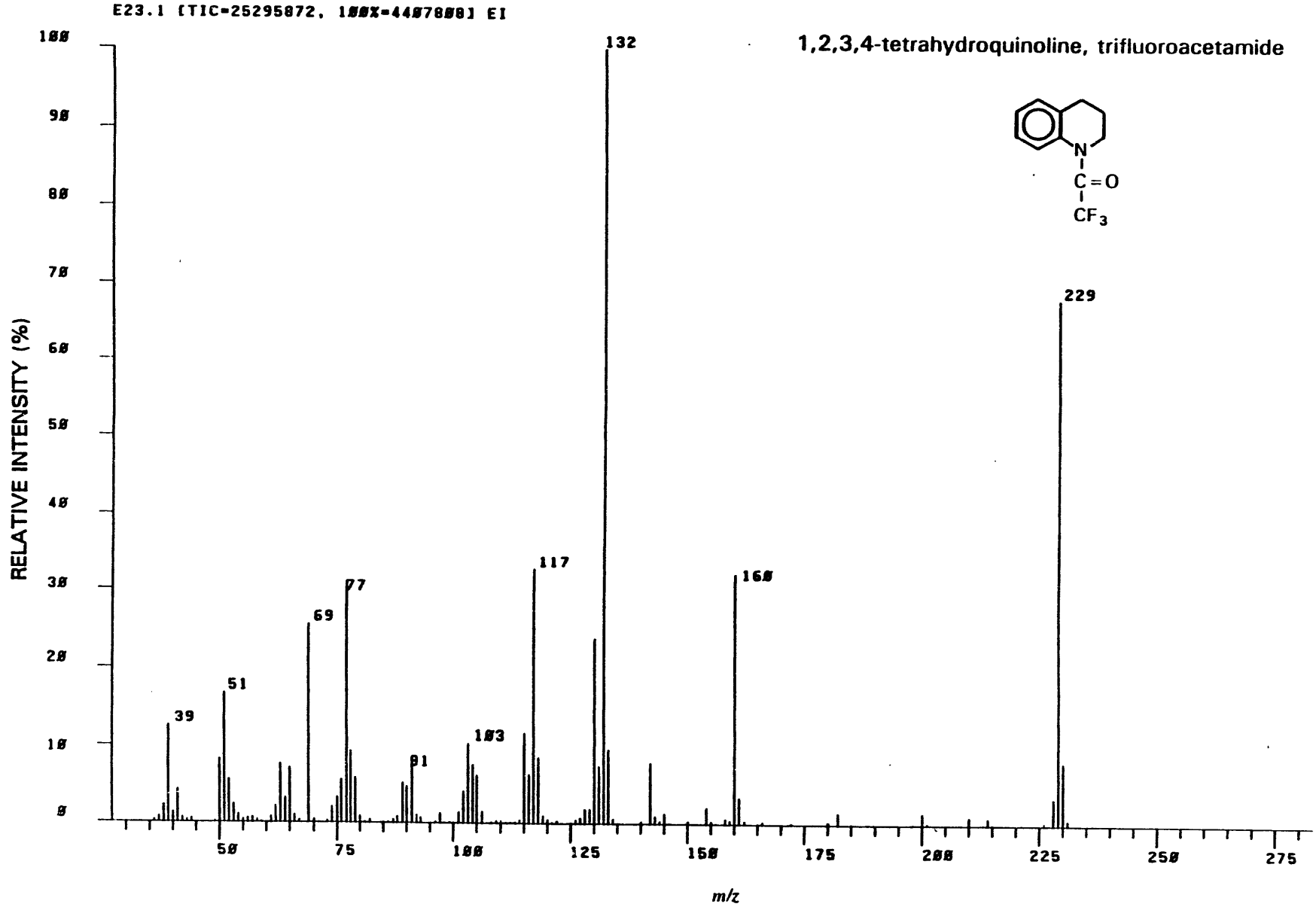
PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	281.00	6	1480.	0.0	0.0	0.0054
2	269.00	6	970.	0.0	0.0	0.0035
3	240.00	8	1630.	0.0	0.0	0.0059
4	217.00	17	39643.	0.9	0.9	0.1439*
5	216.00	29	492544.	10.9	10.9	1.7883*
6	215.00	51	4502784.	100.0	100.0	*16.34*
7	214.00	29	256672.	5.7	5.7	0.9319*
8	213.00	21	39712.	0.9	0.9	0.1442*
9	212.00	8	1205.	0.0	0.0	0.0044
10	207.00	8	2040.	0.0	0.0	0.0074
11	202.00	8	1706.	0.0	0.0	0.0062
12	200.00	10	3611.	0.1	0.1	0.0131
13	199.00	10	1673.	0.0	0.0	0.0061
14	198.00	8	5719.	0.1	0.1	0.0208
15	197.00	10	4090.	0.1	0.1	0.0148
16	196.00	14	333900.	7.4	7.4	0.1212*
17	194.00	6	4677.	0.1	0.1	0.0170
18	187.00	8	1375.	0.0	0.0	0.0050
19	186.00	8	5126.	0.1	0.1	0.0186
20	185.00	8	8451.	0.2	0.2	0.0307
21	181.00	8	1266.	0.0	0.0	0.0046
22	178.00	6	3210.	0.1	0.1	0.0117
23	172.00	6	651.	0.0	0.0	0.0024
24	169.00	10	4319.	0.1	0.1	0.0157
25	168.00	17	91060.	2.0	2.0	0.3306
26	167.00	10	9322.	0.2	0.2	0.0338
27	166.00	17	88252.	2.0	2.0	0.3204
28	165.00	10	3088.	0.1	0.1	0.0112
29	164.00	8	9307.	0.2	0.2	0.0338
30	163.00	8	1103.	0.0	0.0	0.0040
31	159.00	10	2512.	0.1	0.1	0.0091
32	151.00	8	3091.	0.1	0.1	0.0112
33	149.00	12	2240.	0.0	0.0	0.0081*
34	148.00	12	26237.	0.6	0.6	0.0953
35	147.00	21	212140.	4.7	4.7	0.7702*
36	146.00	43	1978112.	43.9	43.9	7.1820*
37	145.00	17	28039.	0.6	0.6	0.1018*
38	144.00	17	52270.	1.2	1.2	0.1898
39	143.00	10	3290.	0.1	0.1	0.0119*
40	141.00	14	14512.	0.3	0.3	0.0527*
41	140.00	6	3691.	0.1	0.1	0.0134
42	139.00	12	18206.	0.4	0.4	0.0661
43	135.00	8	1776.	0.0	0.0	0.0064
44	134.00	8	5823.	0.1	0.1	0.0211
45	133.00	8	1903.	0.0	0.0	0.0069
46	132.00	8	1219.	0.0	0.0	0.0044
47	131.00	8	6662.	0.1	0.1	0.0242
48	130.00	12	18009.	0.4	0.4	0.0654
49	129.00	21	181476.	4.0	4.0	0.6589*
50	128.00	43	1870000.	41.5	41.5	6.7898*
51	127.00	10	6002.	0.1	0.1	0.0218
52	126.00	10	6301.	0.1	0.1	0.0229*
53	125.00	8	1997.	0.0	0.0	0.0073
54	122.00	8	7146.	0.2	0.2	0.0259
55	121.00	8	2884.	0.1	0.1	0.0105

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	120.00	14	30265.	0.7	0.7	0.1099
57	119.00	25	287840.	6.4	6.4	1.0451*
58	118.00	51	2699712.	60.0	60.0	9.8020*
59	117.00	43	1116160.	24.8	24.8	4.0525*
60	116.00	35	264832.	5.9	5.9	0.9615*
61	115.00	14	23416.	0.5	0.5	0.0850*
62	114.00	10	19376.	0.4	0.4	0.0703
63	113.00	12	10568.	0.2	0.2	0.0384*
64	112.00	35	52277.	1.2	1.2	0.1898*
65	110.00	8	992.	0.0	0.0	0.0036
66	109.00	12	21077.	0.5	0.5	0.0765
67	108.00	8	545.	0.0	0.0	0.0020
68	107.00	12	5257.	0.1	0.1	0.0191
69	105.00	10	14915.	0.3	0.3	0.0542
70	104.00	12	21828.	0.5	0.5	0.0793
71	103.00	21	193980.	4.3	4.3	0.7043
72	102.00	17	124124.	2.8	2.8	0.4507
73	101.00	14	38315.	0.9	0.9	0.1391
74	100.00	14	18571.	0.4	0.4	0.0674*
75	99.00	17	21576.	0.5	0.5	0.0783*
76	98.00	8	10033.	0.2	0.2	0.0364
77	97.00	14	42835.	1.0	1.0	0.1555
78	96.00	8	4294.	0.1	0.1	0.0156
79	95.00	10	5185.	0.1	0.1	0.0188*
80	93.00	10	10352.	0.2	0.2	0.0376
81	92.00	21	261660.	5.8	5.8	0.9501*
82	91.00	59	3031744.	67.3	67.3	*11.00*
83	90.00	29	714272.	15.9	15.9	2.5933*
84	89.00	35	857696.	19.0	19.0	3.1141*
85	88.00	25	86144.	1.9	1.9	0.3128*
86	87.00	14	43207.	1.0	1.0	0.1569
87	86.00	14	30549.	0.7	0.7	0.1109
88	85.00	10	11853.	0.3	0.3	0.0430
89	83.00	6	768.	0.0	0.0	0.0028
90	82.00	10	1690.	0.0	0.0	0.0061
91	80.00	8	1330.	0.0	0.0	0.0048
92	79.00	8	5736.	0.1	0.1	0.0210
93	78.00	21	132872.	3.0	3.0	0.4824
94	77.00	25	521488.	11.6	11.6	1.8934*
95	76.00	17	91892.	2.0	2.0	0.3336
96	75.00	21	109864.	2.4	2.4	0.3989*
97	74.00	17	68940.	1.5	1.5	0.2503
98	73.00	17	54274.	1.2	1.2	0.1971*
99	72.00	6	1050.	0.0	0.0	0.0038
100	71.00	8	1653.	0.0	0.0	0.0060
101	70.00	21	30956.	0.7	0.7	0.1124*
102	69.00	35	1154752.	25.6	25.6	4.1926*
103	68.00	10	4625.	0.1	0.1	0.0168*
104	67.00	8	9432.	0.2	0.2	0.0342
105	66.00	17	89104.	2.0	2.0	0.3235
106	65.00	29	1087488.	24.2	24.2	3.9484*
107	64.00	21	285632.	6.3	6.3	1.0371*
108	63.00	25	626000.	13.9	13.9	2.2731
109	62.00	21	211700.	4.7	4.7	0.7687*
110	61.00	17	56379.	1.3	1.3	0.2047*

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	60.00	10	4247.	0.1	0.1	0.0154
112	59.00	17	75060.	1.7	1.7	0.2726*
113	58.00	29	207760.	4.6	4.6	0.7544*
114	57.00	12	12200.	0.3	0.3	0.0443*
115	56.00	10	12111.	0.3	0.3	0.0440
116	55.00	8	1530.	0.0	0.0	0.0056
117	54.00	12	13965.	0.3	0.3	0.0507*
118	53.00	17	54090.	1.2	1.2	0.1993*
119	52.00	21	177320.	3.9	3.9	0.6438
120	51.00	21	519424.	11.5	11.5	1.8869*
121	50.00	25	349232.	7.8	7.8	1.2680*
122	49.00	12	21417.	0.5	0.5	0.0778*
123	48.00	6	1014.	0.0	0.0	0.0037
124	47.00	8	2230.	0.0	0.0	0.0081
125	46.00	12	17770.	0.4	0.4	0.0645*
126	45.00	12	17507.	0.4	0.4	0.0639*
127	44.00	14	34245.	0.8	0.8	0.1243*
128	43.00	12	9526.	0.2	0.2	0.0346
129	42.00	12	18006.	0.4	0.4	0.0654
130	41.00	21	160152.	3.6	3.6	0.5815
131	40.00	17	93900.	2.1	2.1	0.3412
132	39.00	29	757344.	16.8	16.8	2.7497*
133	38.00	29	188760.	4.2	4.2	0.6854*
134	37.00	21	71664.	1.6	1.6	0.2602*
135	36.00	12	22430.	0.5	0.5	0.0814


E23.1 [TIC=25295872, 100%=4497888] EI
1,2,3,4-tetrahydroquinoline, trifluoroacetamide
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
132
229
117
168
77
69
51
39
103
91
50
75
100
125
150
175
200
225
250
275
m/z

PAGE 1

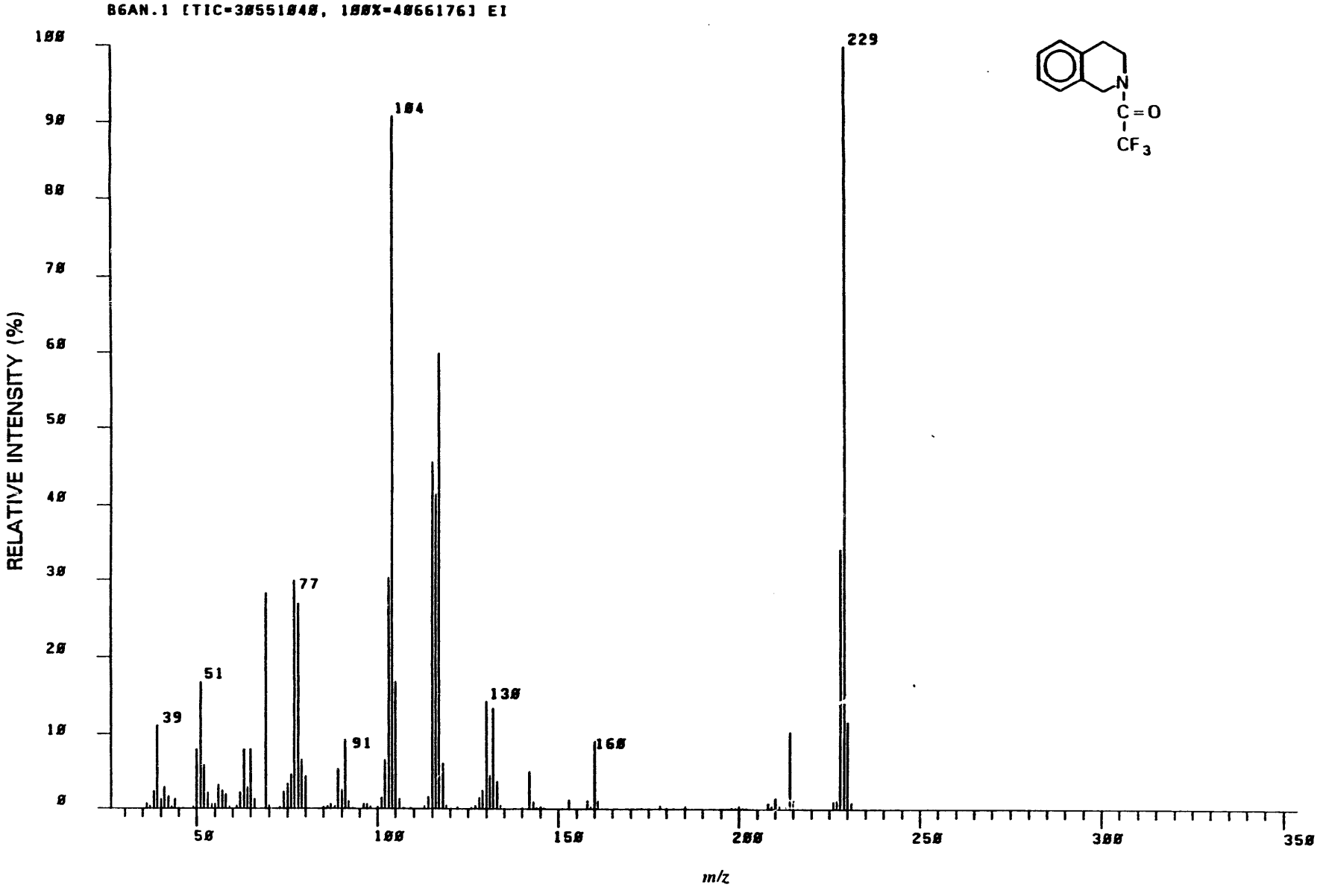
PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	270.00	8	1269.	0.0	0.0	0.0058
2	245.00	10	1521.	0.0	0.0	0.0068
3	233.00	6	691.	0.0	0.0	0.0023
4	232.00	6	865.	0.0	0.0	0.0034
5	231.00	17	32561.	0.7	0.7	0.1287*
6	230.00	29	358192.	8.1	8.1	1.4160*
7	229.00	43	2999808.	68.1	68.1	*11.85*
8	228.00	29	151884.	3.4	3.4	0.5978*
9	227.00	14	5925.	0.1	0.1	0.0234*
10	226.00	14	15616.	0.4	0.4	0.0617*
11	215.00	10	3678.	0.1	0.1	0.0145
12	214.00	14	37699.	0.9	0.9	0.1490
13	213.00	10	4004.	0.1	0.1	0.0158
14	212.00	8	1264.	0.0	0.0	0.0050
15	211.00	10	1690.	0.0	0.0	0.0067
16	210.00	14	43761.	1.0	1.0	0.1730
17	200.00	6	1419.	0.0	0.0	0.0056
18	201.00	10	14361.	0.3	0.3	0.0568
19	200.00	14	62425.	1.4	1.4	0.2468
20	198.00	8	4561.	0.1	0.1	0.0180
21	194.00	10	1234.	0.0	0.0	0.0049
22	191.00	8	3448.	0.1	0.1	0.0136
23	190.00	8	1331.	0.0	0.0	0.0053
24	188.00	8	1737.	0.0	0.0	0.0069
25	186.00	6	1767.	0.0	0.0	0.0070
26	185.00	8	5702.	0.1	0.1	0.0225
27	183.00	10	3285.	0.1	0.1	0.0130
28	182.00	17	67164.	1.5	1.5	0.2655
29	181.00	8	1026.	0.0	0.0	0.0041
30	180.00	14	15968.	0.4	0.4	0.0631*
31	179.00	12	1841.	0.0	0.0	0.0073
32	178.00	8	1061.	0.0	0.0	0.0042
33	177.00	6	972.	0.0	0.0	0.0038
34	174.00	6	1169.	0.0	0.0	0.0046
35	173.00	6	1328.	0.0	0.0	0.0052
36	172.00	8	7307.	0.2	0.2	0.0289
37	171.00	6	412.	0.0	0.0	0.0016
38	168.00	8	2749.	0.1	0.1	0.0109
39	167.00	8	3230.	0.1	0.1	0.0128
40	166.00	12	17283.	0.4	0.4	0.0683
41	165.00	10	6618.	0.2	0.2	0.0262
42	163.00	6	606.	0.0	0.0	0.0024
43	162.00	12	21856.	0.5	0.5	0.0864*
44	161.00	21	152584.	3.5	3.5	0.6032*
45	160.00	43	1416128.	32.1	32.1	5.5983*
46	159.00	14	24634.	0.6	0.6	0.0974
47	158.00	14	30978.	0.7	0.7	0.1225
48	156.00	8	5810.	0.1	0.1	0.0230
49	155.00	12	17406.	0.4	0.4	0.0688
50	154.00	17	92892.	2.1	2.1	0.3672
51	153.00	10	3165.	0.1	0.1	0.0125
52	152.00	17	2148.	0.0	0.0	0.0085*
53	150.00	10	16131.	0.4	0.4	0.0638
54	147.00	6	376.	0.0	0.0	0.0015
55	146.00	10	8652.	0.2	0.2	0.0342

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	145.00	14	59155.	1.3	1.3	0.2339
57	144.00	12	16406.	0.4	0.4	0.0649*
58	143.00	14	45130.	1.0	1.0	0.1784
59	142.00	21	351200.	8.0	8.0	1.3884*
60	141.00	8	6854.	0.2	0.2	0.0271
61	140.00	10	13504.	0.3	0.3	0.0534
62	139.00	6	936.	0.0	0.0	0.0037
63	138.00	12	3161.	0.1	0.1	0.0125
64	136.00	8	1728.	0.0	0.0	0.0068
65	135.00	10	5093.	0.1	0.1	0.0201
66	134.00	17	33385.	0.8	0.8	0.1320
67	133.00	35	424704.	9.6	9.6	1.6789*
68	132.00	59	4407800.	100.0	100.0	*17.42*
69	131.00	35	332352.	7.5	7.5	1.3139*
70	130.00	43	1044512.	23.7	23.7	4.1292*
71	129.00	29	81756.	1.9	1.9	0.3232*
72	128.00	21	81964.	1.9	1.9	0.3240*
73	127.00	21	32641.	0.7	0.7	0.1290*
74	126.00	17	20325.	0.5	0.5	0.0803*
75	125.00	10	4991.	0.1	0.1	0.0197
76	123.00	8	5574.	0.1	0.1	0.0220
77	122.00	10	18440.	0.4	0.4	0.0729
78	121.00	8	8771.	0.2	0.2	0.0347
79	120.00	17	25560.	0.6	0.6	0.1010*
80	119.00	17	45732.	1.0	1.0	0.1808*
81	118.00	25	376096.	8.5	8.5	1.4868*
82	117.00	35	1442560.	32.7	32.7	5.7027*
83	116.00	25	282496.	6.4	6.4	1.1168*
84	115.00	25	515824.	11.7	11.7	2.0392*
85	114.00	17	22089.	0.5	0.5	0.0873*
86	113.00	12	9321.	0.2	0.2	0.0368
87	112.00	17	9290.	0.2	0.2	0.0368*
88	111.00	8	7496.	0.2	0.2	0.0296*
89	110.00	17	12311.	0.3	0.3	0.0487*
90	109.00	21	16776.	0.4	0.4	0.0663*
91	108.00	21	7586.	0.2	0.2	0.0300*
92	107.00	12	6211.	0.1	0.1	0.0246
93	106.00	17	66716.	1.5	1.5	0.2637
94	105.00	21	275240.	6.2	6.2	1.0881*
95	104.00	35	333184.	7.6	7.6	1.3171*
96	103.00	35	455904.	10.3	10.3	1.0023*
97	102.00	21	184544.	4.2	4.2	0.7295*
98	101.00	21	63755.	1.4	1.4	0.2520*
99	100.00	12	5246.	0.1	0.1	0.0207*
100	99.00	10	7676.	0.2	0.2	0.0303
101	98.00	8	5010.	0.1	0.1	0.0198
102	97.00	17	54962.	1.2	1.2	0.2173
103	96.00	10	11322.	0.3	0.3	0.0448*
104	95.00	10	2971.	0.1	0.1	0.0117
105	94.00	8	600.	0.0	0.0	0.0027
106	93.00	17	32420.	0.7	0.7	0.1282*
107	92.00	17	49020.	1.1	1.1	0.1938
108	91.00	25	348352.	7.9	7.9	1.3771*
109	90.00	21	215512.	4.9	4.9	0.8520
110	89.00	21	231616.	5.3	5.3	0.9156

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	88.00	14	37442.	0.8	0.8	0.1488*
112	87.00	14	19990.	0.5	0.5	0.0790
113	86.00	10	8290.	0.2	0.2	0.0328
114	85.00	10	6165.	0.1	0.1	0.0244*
115	83.00	8	1245.	0.0	0.0	0.0049
116	82.00	17	19982.	0.5	0.5	0.0790*
117	81.00	12	8929.	0.2	0.2	0.0353*
118	80.00	17	41514.	0.9	0.9	0.1641*
119	79.00	25	260600.	5.9	5.9	1.0305*
120	78.00	25	410896.	9.3	9.3	1.6244*
121	77.00	35	1367652.	31.0	31.0	5.4062*
122	76.00	25	252204.	5.7	5.7	0.9973*
123	75.00	21	147356.	3.3	3.3	0.5825*
124	74.00	17	94632.	2.1	2.1	0.3741
125	73.00	10	12873.	0.3	0.3	0.0509*
126	72.00	6	1354.	0.0	0.0	0.0054
127	71.00	14	6704.	0.2	0.2	0.0265*
128	70.00	12	19320.	0.4	0.4	0.0764*
129	69.00	29	1121200.	25.4	25.4	4.4327*
130	68.00	6	1341.	0.0	0.0	0.0053
131	67.00	10	17052.	0.4	0.4	0.0706
132	66.00	17	46979.	1.1	1.1	0.1857*
133	65.00	35	316752.	7.2	7.2	1.2522*
134	64.00	29	145576.	3.3	3.3	0.5755*
135	63.00	21	338976.	7.7	7.7	1.3400*
136	62.00	21	96536.	2.2	2.2	0.3816*
137	61.00	17	34529.	0.8	0.8	0.1365
138	60.00	6	1039.	0.0	0.0	0.0041
139	59.00	8	5856.	0.1	0.1	0.0232
140	58.00	12	20737.	0.5	0.5	0.0820*
141	57.00	21	30000.	0.7	0.7	0.1186*
142	56.00	14	27575.	0.6	0.6	0.1090
143	55.00	12	20570.	0.5	0.5	0.0813
144	54.00	17	49069.	1.1	1.1	0.1940
145	53.00	21	106664.	2.4	2.4	0.4217*
146	52.00	25	250272.	5.7	5.7	0.9894*
147	51.00	29	733456.	16.6	16.6	2.8995*
148	50.00	25	365056.	8.3	8.3	1.4431*
149	49.00	10	14520.	0.3	0.3	0.0574
150	47.00	8	1467.	0.0	0.0	0.0058
151	46.00	8	1531.	0.0	0.0	0.0061
152	44.00	12	23104.	0.5	0.5	0.0913
153	43.00	10	15469.	0.4	0.4	0.0612*
154	42.00	17	31458.	0.7	0.7	0.1244*
155	41.00	21	190464.	4.3	4.3	0.7529
156	40.00	17	61835.	1.4	1.4	0.2444*
157	39.00	25	551136.	12.5	12.5	2.1788
158	38.00	21	99452.	2.3	2.3	0.3932
159	37.00	17	34020.	0.8	0.8	0.1345
160	36.00	14	16030.	0.4	0.4	0.0634
161	35.00	8	2521.	0.1	0.1	0.0100

1,2,3,4-tetrahydroisoquinoline, trifluoroacetamide



PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	345.00	6	1000.	0.0	0.0	0.0036
2	269.00	6	764.	0.0	0.0	0.0025
3	267.00	6	1220.	0.0	0.0	0.0040
4	232.00	8	1024.	0.0	0.0	0.0034
5	231.00	14	39770.	1.0	1.0	0.1302*
6	230.00	29	471392.	11.6	11.6	1.5430*
7	229.00	51	4066176.	100.0	100.0	*13.30*
8	228.00	43	1386600.	34.1	34.1	4.5389*
9	227.00	29	49565.	1.2	1.2	0.1622*
10	226.00	14	42874.	1.1	1.1	0.1403
11	219.00	8	942.	0.0	0.0	0.0031
12	216.00	8	3305.	0.1	0.1	0.0108
13	215.00	17	48824.	1.2	1.2	0.1598*
14	214.00	17	415632.	10.2	10.2	1.3605
15	213.00	10	14664.	0.4	0.4	0.0480
16	212.00	6	3493.	0.1	0.1	0.0114
17	211.00	10	17668.	0.4	0.4	0.0578
18	210.00	14	57875.	1.4	1.4	0.1894
19	209.00	10	17536.	0.4	0.4	0.0574
20	208.00	12	31405.	0.8	0.8	0.1028
21	207.00	8	2029.	0.0	0.0	0.0066
22	202.00	8	9682.	0.2	0.2	0.0317
23	201.00	10	7404.	0.2	0.2	0.0242
24	200.00	12	17622.	0.4	0.4	0.0577*
25	199.00	10	7263.	0.2	0.2	0.0238*
26	198.00	10	8564.	0.2	0.2	0.0280
27	194.00	8	2074.	0.1	0.1	0.0068
28	192.00	8	6166.	0.2	0.2	0.0202
29	187.00	6	1334.	0.0	0.0	0.0044
30	185.00	14	15129.	0.4	0.4	0.0495
31	184.00	8	5461.	0.1	0.1	0.0179
32	183.00	8	3198.	0.1	0.1	0.0105
33	182.00	8	7487.	0.2	0.2	0.0245
34	181.00	8	2807.	0.1	0.1	0.0092
35	180.00	10	7693.	0.2	0.2	0.0252
36	179.00	8	2142.	0.1	0.1	0.0070
37	178.00	10	17457.	0.4	0.4	0.0571
38	174.00	6	664.	0.0	0.0	0.0022
39	173.00	12	5119.	0.1	0.1	0.0168
40	172.00	8	3453.	0.1	0.1	0.0113
41	169.00	6	3402.	0.1	0.1	0.0111
42	166.00	8	3515.	0.1	0.1	0.0115
43	165.00	6	2173.	0.1	0.1	0.0071
44	164.00	8	1939.	0.0	0.0	0.0063
45	163.00	6	1470.	0.0	0.0	0.0048
46	162.00	8	4562.	0.1	0.1	0.0149
47	161.00	14	46945.	1.2	1.2	0.1537
48	160.00	21	369920.	9.1	9.1	1.2100
49	159.00	12	14945.	0.4	0.4	0.0489*
50	158.00	17	46834.	1.2	1.2	0.1533
51	156.00	6	1120.	0.0	0.0	0.0037
52	154.00	8	2604.	0.1	0.1	0.0085
53	153.00	14	48777.	1.2	1.2	0.1597
54	151.00	8	3520.	0.1	0.1	0.0115
55	150.00	8	1550.	0.0	0.0	0.0051

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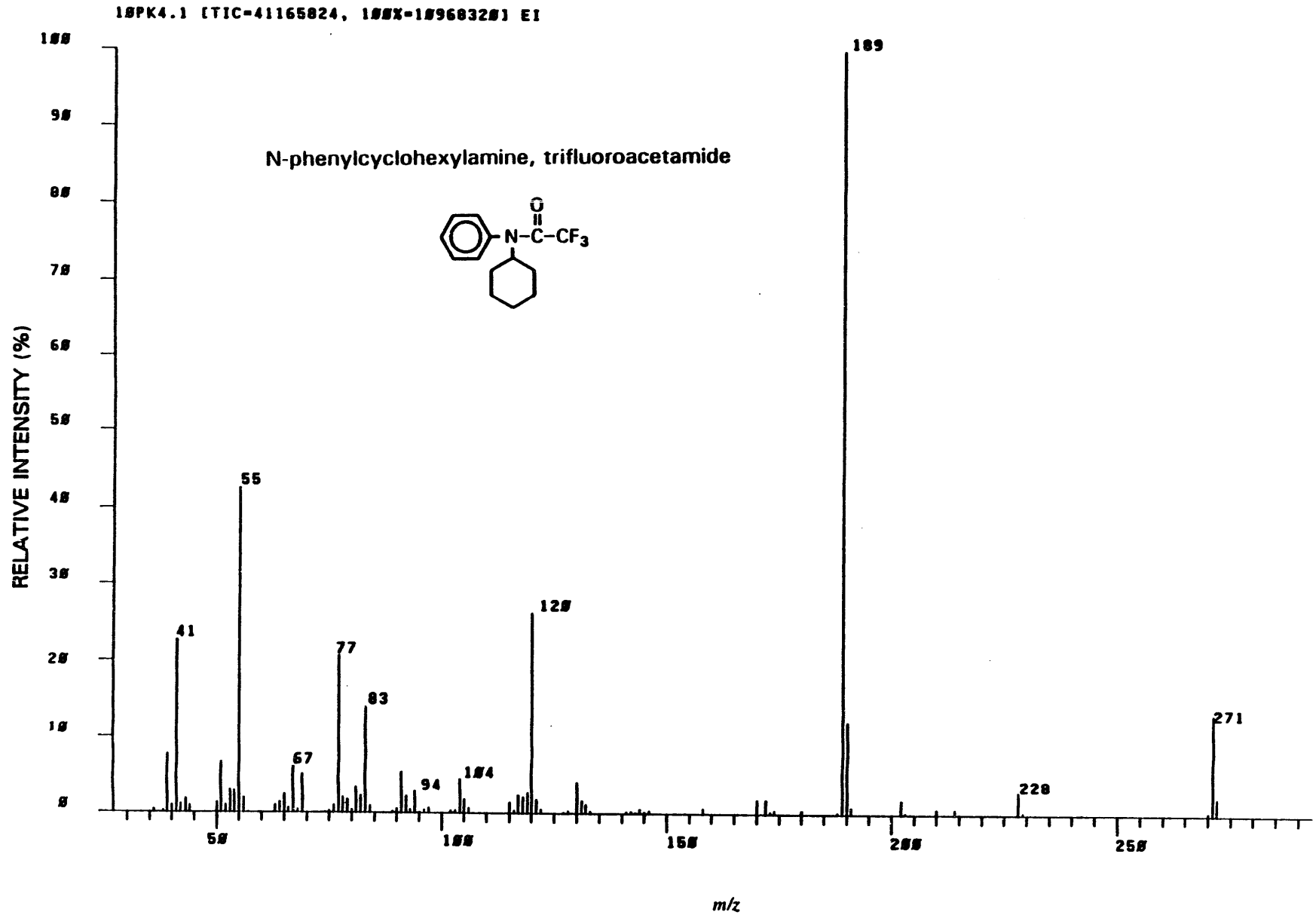
PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	149.00	6	1030.	0.0	0.0	0.0034
57	148.00	6	2200.	0.1	0.1	0.0075
58	146.00	10	9914.	0.2	0.2	0.0325*
59	145.00	8	16556.	0.4	0.4	0.0542
60	144.00	14	9064.	0.2	0.2	0.0297
61	143.00	14	41741.	1.0	1.0	0.1366
62	142.00	21	199664.	4.9	4.9	0.6535
63	141.00	10	6106.	0.2	0.2	0.0200
64	140.00	10	9812.	0.2	0.2	0.0321
65	138.00	6	4604.	0.1	0.1	0.0151
66	135.00	10	5284.	0.1	0.1	0.0173
67	134.00	12	23207.	0.6	0.6	0.0762
68	133.00	21	148912.	3.7	3.7	0.4874
69	132.00	25	541312.	13.3	13.3	1.7718*
70	131.00	21	180732.	4.4	4.4	0.5916
71	130.00	29	576304.	14.2	14.2	1.8866*
72	129.00	17	102152.	2.5	2.5	0.3344
73	128.00	17	62955.	1.5	1.5	0.2061
74	127.00	10	17556.	0.4	0.4	0.0575
75	126.00	12	6830.	0.2	0.2	0.0224*
76	123.00	8	850.	0.0	0.0	0.0028
77	122.00	8	10191.	0.3	0.3	0.0334
78	119.00	14	22556.	0.6	0.6	0.0738*
79	118.00	21	247864.	6.1	6.1	0.8113*
80	117.00	43	2433152.	59.8	59.8	7.9642*
81	116.00	51	1686976.	41.5	41.5	5.5218*
82	115.00	51	1855744.	45.6	45.6	6.0742*
83	114.00	35	70736.	1.7	1.7	0.2315*
84	113.00	17	18407.	0.5	0.5	0.0602*
85	112.00	12	4653.	0.1	0.1	0.0152*
86	110.00	8	2427.	0.1	0.1	0.0079
87	109.00	8	7053.	0.2	0.2	0.0231
88	107.00	10	8522.	0.2	0.2	0.0279
89	106.00	17	54138.	1.3	1.3	0.1772*
90	105.00	25	680000.	16.7	16.7	2.2258*
91	104.00	59	3694000.	90.8	90.8	*12.09*
92	103.00	43	1232256.	30.3	30.3	4.0334*
93	102.00	29	263024.	6.5	6.5	0.8606*
94	101.00	17	61376.	1.5	1.5	0.2009*
95	100.00	12	12145.	0.3	0.3	0.0398*
96	99.00	6	2893.	0.1	0.1	0.0095
97	98.00	10	15376.	0.4	0.4	0.0503
98	97.00	14	29527.	0.7	0.7	0.0966*
99	96.00	12	26032.	0.7	0.7	0.0918
100	95.00	8	1703.	0.0	0.0	0.0058
101	93.00	8	6900.	0.2	0.2	0.0226
102	92.00	14	40824.	1.0	1.0	0.1336
103	91.00	21	370176.	9.3	9.3	1.2378*
104	90.00	21	100112.	2.7	2.7	0.3539*
105	89.00	21	214332.	5.3	5.3	0.7016
106	88.00	12	17414.	0.4	0.4	0.0570
107	87.00	12	28065.	0.7	0.7	0.0945
108	86.00	10	16016.	0.4	0.4	0.0550
109	85.00	14	10975.	0.3	0.3	0.0359*
110	84.00	8	2703.	0.1	0.1	0.0088

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	83.00	8	1482.	0.0	0.0	0.0049
112	82.00	6	1230.	0.0	0.0	0.0040
113	81.00	10	6419.	0.2	0.2	0.0210
114	80.00	25	176100.	4.3	4.3	0.5767*
115	79.00	35	269744.	6.6	6.6	0.8829*
116	78.00	35	1089472.	26.8	26.8	3.5661*
117	77.00	35	1212992.	29.8	29.8	3.9704*
118	76.00	21	188700.	4.6	4.6	0.6179
119	75.00	17	135152.	3.3	3.3	0.4424
120	74.00	17	91172.	2.2	2.2	0.2984*
121	73.00	10	10158.	0.2	0.2	0.0332*
122	72.00	10	4765.	0.1	0.1	0.0156
123	71.00	6	947.	0.0	0.0	0.0031
124	70.00	12	17965.	0.4	0.4	0.0588*
125	69.00	25	1145536.	28.2	28.2	3.7496*
126	68.00	6	2193.	0.1	0.1	0.0072
127	67.00	6	2900.	0.1	0.1	0.0095
128	66.00	17	56669.	1.4	1.4	0.1855*
129	65.00	35	325636.	8.0	8.0	1.0655*
130	64.00	29	121260.	3.0	3.0	0.3969*
131	63.00	21	321344.	7.9	7.9	1.0518*
132	62.00	17	88324.	2.2	2.2	0.2891
133	61.00	12	22926.	0.6	0.6	0.0750
134	60.00	8	3004.	0.1	0.1	0.0101
135	59.00	17	14747.	0.4	0.4	0.0483*
136	58.00	43	80220.	2.0	2.0	0.2626*
137	57.00	29	100144.	2.5	2.5	0.3278*
138	56.00	17	130800.	3.2	3.2	0.4284
139	55.00	14	28523.	0.7	0.7	0.0934
140	54.00	17	28707.	0.7	0.7	0.0942*
141	53.00	17	89604.	2.2	2.2	0.2933
142	52.00	25	238616.	5.9	5.9	0.7810*
143	51.00	29	678496.	16.7	16.7	2.2209*
144	50.00	25	326576.	8.0	8.0	1.0690*
145	49.00	10	16526.	0.4	0.4	0.0541*
146	47.00	12	5834.	0.1	0.1	0.0191*
147	46.00	6	6350.	0.2	0.2	0.0208
148	45.00	10	4056.	0.1	0.1	0.0133
149	44.00	17	54359.	1.3	1.3	0.1779
150	43.00	12	14257.	0.4	0.4	0.0467*
151	42.00	21	70532.	1.7	1.7	0.2309
152	41.00	17	119020.	2.9	2.9	0.3896
153	40.00	17	51830.	1.3	1.3	0.1697*
154	39.00	25	451376.	11.1	11.1	1.4774*
155	38.00	25	96932.	2.4	2.4	0.3173*
156	37.00	12	17742.	0.4	0.4	0.0581*
157	36.00	14	31914.	0.8	0.8	0.1045
158	35.00	10	3142.	0.1	0.1	0.0103


1@PK4.1 [TIC=41165824, 1@@%=1@96832@] EI
N-phenylcyclohexylamine, trifluoroacetamide
RELATIVE INTENSITY (%)
m/z
189
55
41
77
83
67
94
104
128
228
271

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	281.00	8	3540.	0.0	0.0	0.0006
2	273.00	8	7375.	0.1	0.1	0.0179
3	272.00	17	252600.	2.3	2.3	0.6136*
4	271.00	25	1451960.	13.2	13.2	3.5271*
5	270.00	10	48960.	0.4	0.4	0.1190
6	269.00	8	4205.	0.0	0.0	0.0102
7	243.00	6	640.	0.0	0.0	0.0016
8	242.00	8	14960.	0.1	0.1	0.0364
9	229.00	12	42253.	0.4	0.4	0.1026
10	220.00	17	330000.	3.0	3.0	0.0030
11	216.00	8	2216.	0.0	0.0	0.0054
12	215.00	8	10774.	0.1	0.1	0.0262
13	214.00	12	76892.	0.7	0.7	0.1868
14	210.00	12	79628.	0.7	0.7	0.1934
15	208.00	6	999.	0.0	0.0	0.0024
16	207.00	8	2229.	0.0	0.0	0.0054
17	203.00	10	29592.	0.3	0.3	0.0719*
18	202.00	17	210836.	1.9	1.9	0.5122
19	201.00	6	1102.	0.0	0.0	0.0027
20	200.00	8	10136.	0.1	0.1	0.0246
21	198.00	8	1844.	0.0	0.0	0.0045
22	193.00	6	2364.	0.0	0.0	0.0057
23	192.00	6	1704.	0.0	0.0	0.0041
24	191.00	17	100504.	0.9	0.9	0.2441*
25	190.00	35	1333696.	12.2	12.2	3.2398*
26	189.00	51	10968320.	100.0	100.0	*26.64*
27	188.00	14	33945.	0.3	0.3	0.0825*
28	187.00	6	1242.	0.0	0.0	0.0030
29	186.00	6	672.	0.0	0.0	0.0016
30	185.00	8	4574.	0.0	0.0	0.0111
31	182.00	6	1182.	0.0	0.0	0.0029
32	181.00	6	1132.	0.0	0.0	0.0027
33	180.00	12	58649.	0.5	0.5	0.1426
34	179.00	6	1458.	0.0	0.0	0.0035
35	178.00	6	914.	0.0	0.0	0.0022
36	175.00	8	5109.	0.0	0.0	0.0124
37	174.00	14	63716.	0.6	0.6	0.1548
38	173.00	12	45987.	0.4	0.4	0.1117
39	172.00	17	202256.	1.8	1.8	0.4913
40	171.00	8	16050.	0.2	0.2	0.0389
41	170.00	17	207900.	1.9	1.9	0.5050
42	169.00	6	1485.	0.0	0.0	0.0036
43	168.00	8	1680.	0.0	0.0	0.0041
44	167.00	6	1444.	0.0	0.0	0.0035
45	166.00	8	2151.	0.0	0.0	0.0052
46	160.00	8	7911.	0.1	0.1	0.0192
47	159.00	10	17810.	0.2	0.2	0.0433
48	158.00	14	78220.	0.7	0.7	0.1900
49	157.00	8	4653.	0.0	0.0	0.0113
50	156.00	8	6911.	0.1	0.1	0.0168
51	155.00	6	1187.	0.0	0.0	0.0029
52	154.00	10	9720.	0.1	0.1	0.0236
53	153.00	8	653.	0.0	0.0	0.0016
54	152.00	6	902.	0.0	0.0	0.0022
55	150.00	8	2530.	0.0	0.0	0.0061

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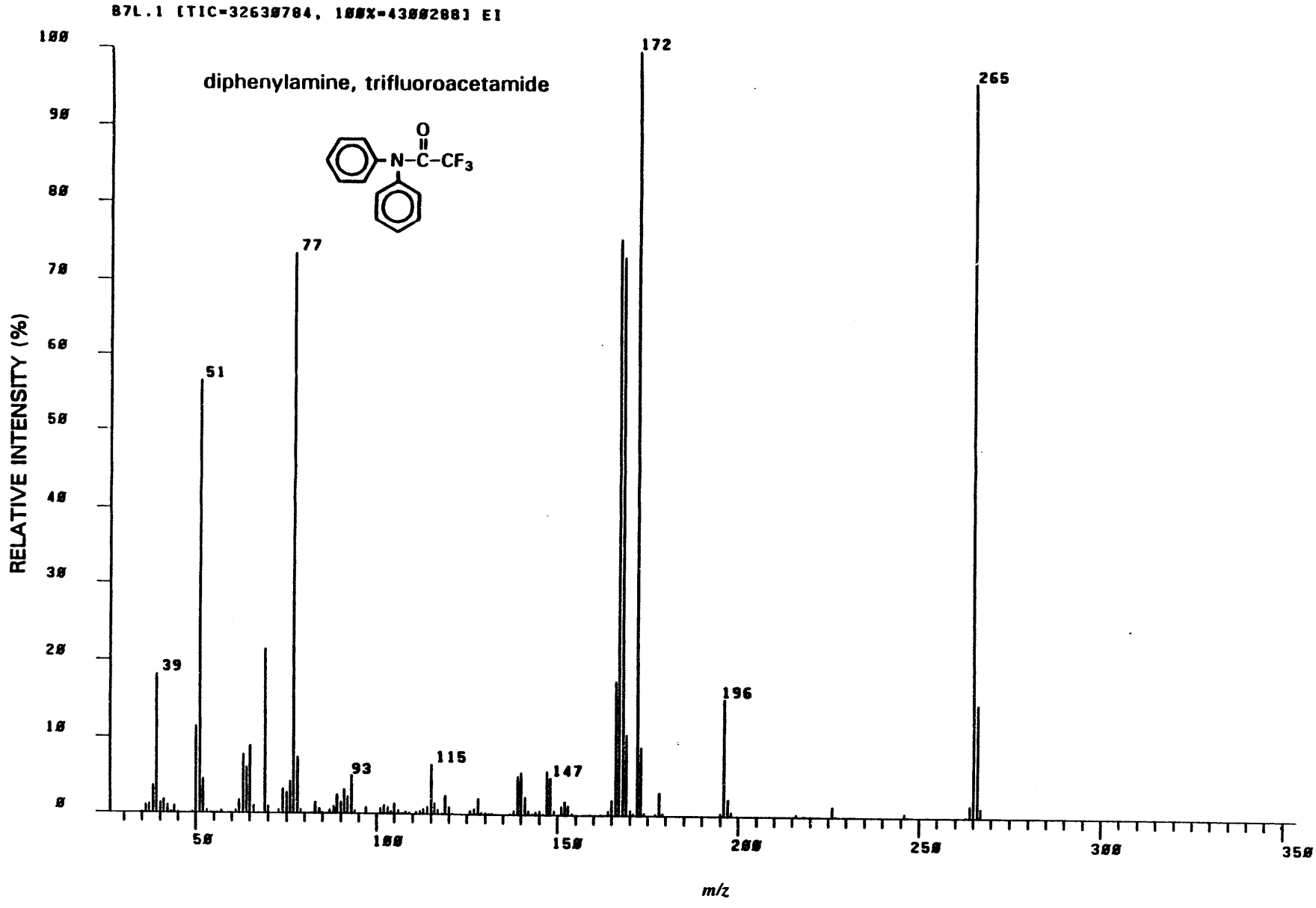
PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	149.00	6	1412.	0.0	0.0	0.0034
57	147.00	8	2469.	0.0	0.0	0.0060
58	146.00	12	53077.	0.5	0.5	0.1289
59	145.00	12	31689.	0.3	0.3	0.0767
60	144.00	14	71800.	0.7	0.7	0.1744*
61	143.00	10	24570.	0.2	0.2	0.0597
62	142.00	12	41290.	0.4	0.4	0.1003
63	141.00	8	34542.	0.3	0.3	0.0839
64	134.00	6	618.	0.0	0.0	0.0015
65	133.00	12	37497.	0.3	0.3	0.0909*
66	132.00	17	131240.	1.2	1.2	0.3188*
67	131.00	17	188180.	1.7	1.7	0.4571*
68	130.00	17	458144.	4.2	4.2	1.1129
69	129.00	10	21756.	0.2	0.2	0.0528
70	128.00	10	42706.	0.4	0.4	0.1039*
71	127.00	10	18200.	0.2	0.2	0.0442
72	126.00	10	6283.	0.1	0.1	0.0153
73	122.00	14	70672.	0.6	0.6	0.1717
74	121.00	17	205764.	1.9	1.9	0.4998
75	120.00	29	2874000.	26.2	26.2	6.9837*
76	119.00	17	318600.	2.9	2.9	0.7740*
77	118.00	17	241216.	2.2	2.2	0.5860
78	117.00	17	265000.	2.4	2.4	0.6440*
79	116.00	12	46235.	0.4	0.4	0.1123*
80	115.00	17	160652.	1.5	1.5	0.3903
81	114.00	6	1124.	0.0	0.0	0.0027
82	111.00	8	1306.	0.0	0.0	0.0032
83	109.00	6	2570.	0.0	0.0	0.0063
84	107.00	8	6780.	0.1	0.1	0.0165
85	106.00	14	82816.	0.8	0.8	0.2012
86	105.00	17	201832.	1.8	1.8	0.4903
87	104.00	17	503824.	4.6	4.6	1.2239*
88	103.00	12	46455.	0.4	0.4	0.1128
89	102.00	10	40474.	0.4	0.4	0.0983
90	97.00	17	76184.	0.7	0.7	0.1851*
91	96.00	17	53232.	0.5	0.5	0.1293*
92	95.00	10	26745.	0.2	0.2	0.0650
93	94.00	17	321952.	2.9	2.9	0.7821
94	93.00	14	59123.	0.5	0.5	0.1436
95	92.00	17	253476.	2.3	2.3	0.6157
96	91.00	17	591920.	5.4	5.4	1.4379
97	90.00	14	65019.	0.6	0.6	0.1579
98	89.00	12	31301.	0.3	0.3	0.0760
99	88.00	8	1683.	0.0	0.0	0.0041
100	84.00	14	100464.	0.9	0.9	0.2440
101	83.00	25	1525312.	13.9	13.9	3.7053*
102	82.00	17	256668.	2.3	2.3	0.6235
103	81.00	21	388752.	3.5	3.5	0.9444*
104	80.00	14	49447.	0.5	0.5	0.1201*
105	79.00	17	194532.	1.8	1.8	0.4726
106	78.00	17	233220.	2.1	2.1	0.5666*
107	77.00	35	2254656.	20.6	20.6	5.4770*
108	76.00	25	116372.	1.1	1.1	0.2827*
109	75.00	10	30971.	0.3	0.3	0.0752*
110	74.00	10	21106.	0.2	0.2	0.0513

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	70.00	8	4203.	0.0	0.0	0.0102
112	69.00	25	566200.	5.2	5.2	1.3756*
113	68.00	12	56637.	0.5	0.5	0.1376*
114	67.00	21	667456.	6.1	6.1	1.6214*
115	66.00	14	82692.	0.8	0.8	0.2009
116	65.00	17	278752.	2.5	2.5	0.6771
117	64.00	17	156216.	1.4	1.4	0.3795
118	63.00	17	109000.	1.0	1.0	0.2650
119	62.00	8	5340.	0.0	0.0	0.0130
120	57.00	10	9312.	0.1	0.1	0.0226
121	56.00	17	221096.	2.0	2.0	0.5370
122	55.00	35	4670720.	42.6	42.6	*11.34*
123	54.00	17	335320.	3.1	3.1	0.8146
124	53.00	21	343024.	3.1	3.1	0.8332
125	52.00	17	112900.	1.0	1.0	0.2745
126	51.00	21	746304.	6.8	6.8	1.8129
127	50.00	17	149300.	1.4	1.4	0.3629
128	47.00	6	865.	0.0	0.0	0.0021
129	45.00	6	3471.	0.0	0.0	0.0084
130	44.00	17	101236.	0.9	0.9	0.2459
131	43.00	21	205104.	1.9	1.9	0.4984*
132	42.00	17	129356.	1.2	1.2	0.3142
133	41.00	25	2480320.	22.6	22.6	6.0252
134	40.00	21	109700.	1.0	1.0	0.2665*
135	39.00	21	852064.	7.8	7.8	2.0698
136	38.00	14	45214.	0.4	0.4	0.1098*
137	37.00	10	10940.	0.1	0.1	0.0266*
138	36.00	12	50251.	0.5	0.5	0.1221*


B7L.1 [TIC=32630784, 100%=43002881] EI
diphenylamine, trifluoroacetamide
O
N–C–CF3
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
172
265
77
51
39
196
93
115
147
50
100
150
200
250
300
350
m/z

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	343.00	8	510.	0.0	0.0	0.0016
2	284.00	8	800.	0.0	0.0	0.0025
3	273.00	8	1081.	0.0	0.0	0.0033
4	270.00	8	531.	0.0	0.0	0.0016
5	269.00	8	1585.	0.0	0.0	0.0049
6	268.00	10	6363.	0.1	0.1	0.0195
7	267.00	21	59660.	1.4	1.4	0.1828*
8	266.00	29	639240.	14.9	14.9	1.9590*
9	265.00	43	4133440.	96.1	96.1	*12.66*
10	264.00	29	72992.	1.7	1.7	0.2237*
11	263.00	12	8047.	0.2	0.2	0.0247*
12	262.00	6	578.	0.0	0.0	0.0018
13	247.00	8	5357.	0.1	0.1	0.0164
14	246.00	10	28157.	0.7	0.7	0.0863
15	243.00	6	954.	0.0	0.0	0.0029
16	236.00	6	1318.	0.0	0.0	0.0040
17	231.00	6	1240.	0.0	0.0	0.0038
18	229.00	6	870.	0.0	0.0	0.0027
19	228.00	6	2154.	0.1	0.1	0.0066
20	227.00	10	10137.	0.2	0.2	0.0311
21	226.00	14	64397.	1.5	1.5	0.1974
22	218.00	8	3973.	0.1	0.1	0.0122
23	217.00	8	2867.	0.1	0.1	0.0088
24	216.00	10	14931.	0.3	0.3	0.0458
25	215.00	8	352.	0.0	0.0	0.0011
26	214.00	8	3353.	0.1	0.1	0.0103
27	212.00	6	1180.	0.0	0.0	0.0036
28	207.00	8	1740.	0.0	0.0	0.0053
29	204.00	6	571.	0.0	0.0	0.0017
30	198.00	12	26937.	0.6	0.6	0.0826
31	197.00	25	97212.	2.3	2.3	0.2979*
32	196.00	35	659376.	15.3	15.3	2.0207*
33	195.00	14	20168.	0.5	0.5	0.0618
34	194.00	10	2139.	0.0	0.0	0.0066
35	186.00	8	751.	0.0	0.0	0.0023
36	184.00	6	1075.	0.0	0.0	0.0033
37	181.00	6	2135.	0.0	0.0	0.0065
38	180.00	8	1459.	0.0	0.0	0.0045
39	179.00	12	20788.	0.5	0.5	0.0637
40	178.00	17	133472.	3.1	3.1	0.4090
41	177.00	12	11355.	0.3	0.3	0.0348*
42	175.00	6	992.	0.0	0.0	0.0030
43	174.00	14	20381.	0.5	0.5	0.0625
44	173.00	35	388040.	9.0	9.0	1.1892*
45	172.00	59	4300280.	100.0	100.0	*13.17*
46	171.00	17	16240.	0.4	0.4	0.0498*
47	170.00	17	34011.	0.8	0.8	0.1042*
48	169.00	43	459840.	10.7	10.7	1.4092*
49	168.00	51	3149376.	73.2	73.2	9.6515*
50	167.00	59	3249720.	75.6	75.6	9.9591*
51	166.00	71	754280.	17.5	17.5	2.3116*
52	165.00	43	87264.	2.0	2.0	0.2674*
53	164.00	25	31003.	0.7	0.7	0.0950*
54	163.00	10	6610.	0.2	0.2	0.0203
55	162.00	10	5450.	0.1	0.1	0.0167

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	161.00	6	893.	0.0	0.0	0.0027
57	159.00	12	4626.	0.1	0.1	0.0142*
58	156.00	6	1365.	0.0	0.0	0.0042
59	154.00	10	12245.	0.3	0.3	0.0375
60	153.00	14	56506.	1.3	1.3	0.1732
61	152.00	17	80948.	1.9	1.9	0.2481
62	151.00	17	50483.	1.2	1.2	0.1547
63	150.00	10	5191.	0.1	0.1	0.0159
64	149.00	10	29686.	0.7	0.7	0.0910
65	148.00	17	211776.	4.9	4.9	0.6490*
66	147.00	17	248888.	5.8	5.8	0.7627*
67	146.00	17	10492.	0.2	0.2	0.0322
68	145.00	25	25945.	0.6	0.6	0.0795*
69	144.00	17	19834.	0.5	0.5	0.0608*
70	143.00	12	9539.	0.2	0.2	0.0292
71	142.00	14	26268.	0.6	0.6	0.0805
72	141.00	17	103856.	2.4	2.4	0.3183*
73	140.00	25	241976.	5.6	5.6	0.7416*
74	139.00	21	218300.	5.1	5.1	0.6690*
75	138.00	17	26440.	0.6	0.6	0.0810*
76	137.00	12	7841.	0.2	0.2	0.0240
77	133.00	8	1371.	0.0	0.0	0.0042
78	132.00	12	10194.	0.2	0.2	0.0312
79	131.00	12	9910.	0.2	0.2	0.0304
80	130.00	12	10899.	0.3	0.3	0.0334
81	129.00	12	14568.	0.3	0.3	0.0446
82	128.00	17	94816.	2.2	2.2	0.2906
83	127.00	14	33900.	0.8	0.8	0.1039
84	126.00	14	22487.	0.5	0.5	0.0689
85	124.00	10	2494.	0.1	0.1	0.0076
86	121.00	14	8711.	0.2	0.2	0.0267*
87	120.00	17	44479.	1.0	1.0	0.1363
88	119.00	21	109524.	2.5	2.5	0.3356
89	118.00	17	13980.	0.3	0.3	0.0428*
90	117.00	21	31972.	0.7	0.7	0.0980*
91	116.00	25	70728.	1.6	1.6	0.2168*
92	115.00	25	283984.	6.6	6.6	0.8703*
93	114.00	21	46154.	1.1	1.1	0.1414*
94	113.00	17	32804.	0.8	0.8	0.1005*
95	112.00	25	22967.	0.5	0.5	0.0704*
96	111.00	21	17977.	0.4	0.4	0.0551*
97	109.00	10	13861.	0.3	0.3	0.0425
98	108.00	14	15173.	0.4	0.4	0.0465*
99	107.00	14	9284.	0.2	0.2	0.0285*
100	106.00	17	24389.	0.6	0.6	0.0747*
101	105.00	14	61447.	1.4	1.4	0.1883*
102	104.00	12	20189.	0.5	0.5	0.0619
103	103.00	17	41505.	1.0	1.0	0.1272
104	102.00	17	51328.	1.2	1.2	0.1573
105	101.00	14	34438.	0.8	0.8	0.1055*
106	100.00	6	3154.	0.1	0.1	0.0097
107	99.00	8	2723.	0.1	0.1	0.0083
108	98.00	10	5367.	0.1	0.1	0.0164*
109	97.00	17	40922.	1.0	1.0	0.1254
110	95.00	10	4118.	0.1	0.1	0.0126*

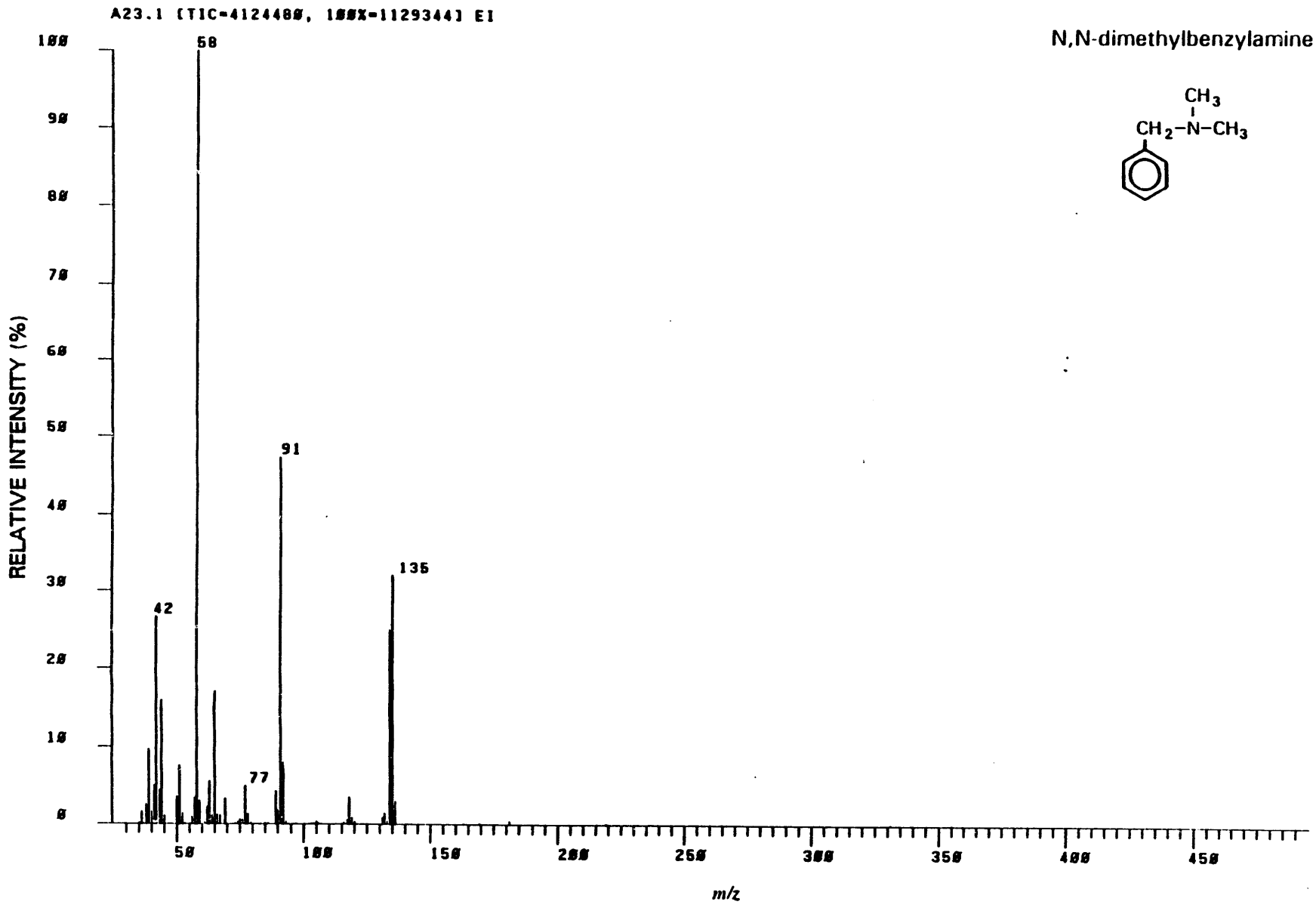
PAGE 3

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	94.00	14	25188.	0.6	0.6	0.0772
112	93.00	21	219688.	5.1	5.1	0.6733
113	92.00	17	100616.	2.3	2.3	0.3083
114	91.00	21	140184.	3.3	3.3	0.4296*
115	90.00	17	68588.	1.6	1.6	0.2102
116	89.00	17	108256.	2.5	2.5	0.3318
117	88.00	17	45187.	1.1	1.1	0.1386
118	87.00	14	24394.	0.6	0.6	0.0748
119	86.00	8	6844.	0.2	0.2	0.0210
120	85.00	12	9823.	0.2	0.2	0.0301
121	84.00	14	29352.	0.7	0.7	0.0900*
122	83.00	21	67888.	1.6	1.6	0.2080*
123	82.00	8	5735.	0.1	0.1	0.0176
124	81.00	6	2069.	0.0	0.0	0.0063
125	80.00	14	5563.	0.1	0.1	0.0170
126	79.00	12	26592.	0.6	0.6	0.0815
127	78.00	29	323000.	7.5	7.5	0.9899*
128	77.00	35	3158208.	73.4	73.4	9.6706*
129	76.00	21	184000.	4.3	4.3	0.5666*
130	75.00	21	122344.	2.8	2.8	0.3749*
131	74.00	17	139900.	3.3	3.3	0.4287
132	73.00	14	23156.	0.5	0.5	0.0710*
133	72.00	6	1153.	0.0	0.0	0.0035
134	70.00	25	43555.	1.0	1.0	0.1335*
135	69.00	35	921456.	21.4	21.4	2.8239*
136	68.00	10	6081.	0.1	0.1	0.0186
137	67.00	14	10020.	0.2	0.2	0.0307
138	66.00	17	47854.	1.1	1.1	0.1467*
139	65.00	21	382128.	8.9	8.9	1.1711
140	64.00	25	267520.	6.2	6.2	0.8198*
141	63.00	21	332832.	7.7	7.7	1.0200*
142	62.00	17	82212.	1.9	1.9	0.2519
143	61.00	12	22224.	0.5	0.5	0.0681
144	60.00	10	3669.	0.1	0.1	0.0112
145	59.00	8	5828.	0.1	0.1	0.0179
146	57.00	12	18681.	0.4	0.4	0.0570
147	56.00	10	7452.	0.2	0.2	0.0228*
148	55.00	8	4694.	0.1	0.1	0.0144
149	54.00	10	7750.	0.2	0.2	0.0238
150	53.00	14	24706.	0.6	0.6	0.0757*
151	52.00	25	196372.	4.6	4.6	0.6018*
152	51.00	35	2432064.	56.6	56.6	7.4533*
153	50.00	25	493000.	11.5	11.5	1.5111*
154	49.00	14	13724.	0.3	0.3	0.0421*
155	48.00	14	1996.	0.0	0.0	0.0061*
156	46.00	6	1300.	0.0	0.0	0.0042
157	45.00	12	9886.	0.2	0.2	0.0303
158	44.00	17	44173.	1.0	1.0	0.1354*
159	43.00	17	12962.	0.3	0.3	0.0397
160	42.00	14	48070.	1.1	1.1	0.1473*
161	41.00	21	82300.	1.9	1.9	0.2525
162	40.00	17	63934.	1.5	1.5	0.1959
163	39.00	29	779312.	18.1	18.1	2.3883*
164	38.00	29	159700.	3.7	3.7	0.4897*
165	37.00	21	55400.	1.3	1.3	0.1700

PAGE 4

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
166	36.00	17	46538.	1.1	1.1	0.1426*
167	35.00	10	9135.	0.2	0.2	0.0280*

Basic Tertiary
Aromatic Amines

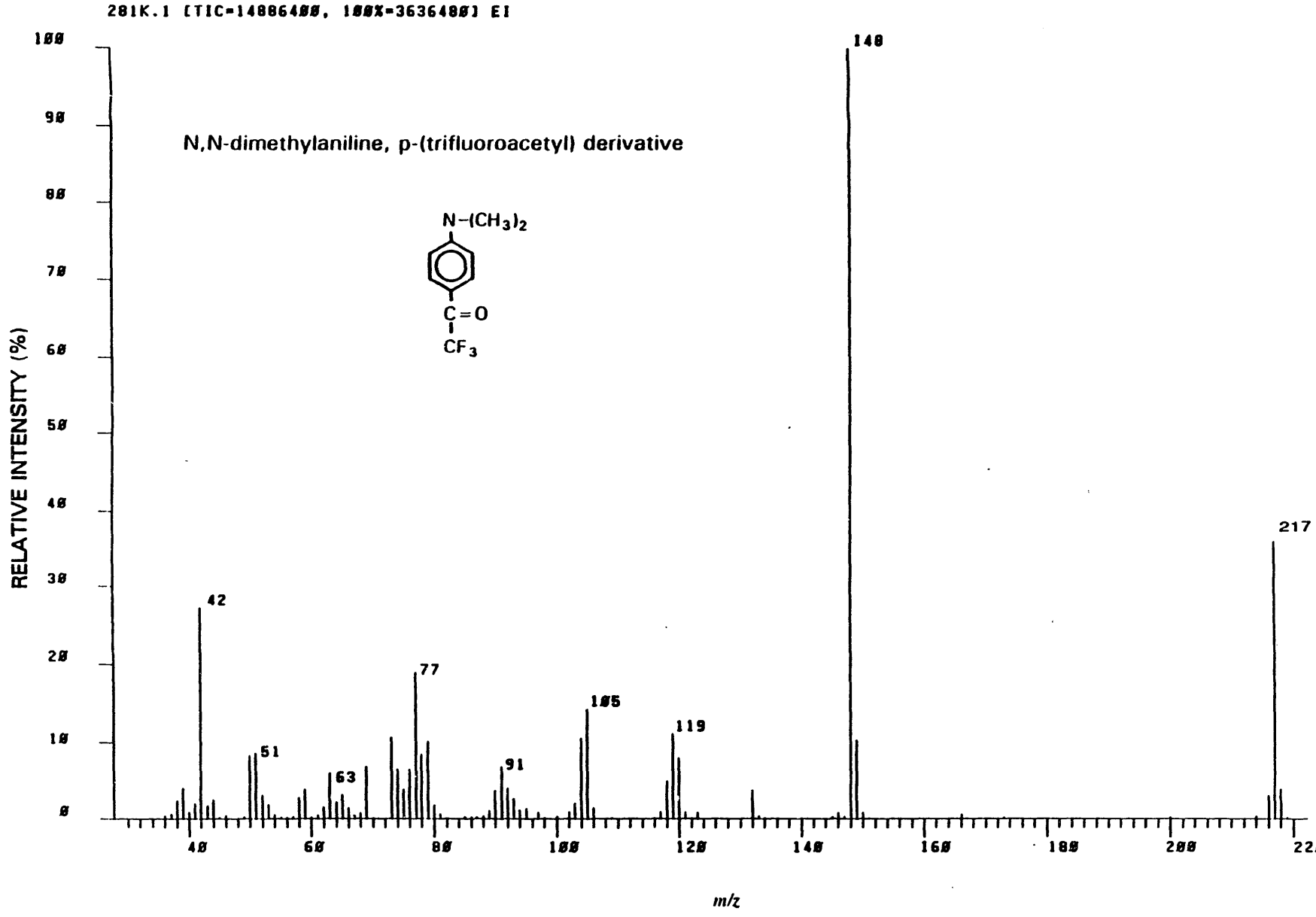

A23.1 (TIC=4124480, 100%=1129344) EI
N,N-dimethylbenzylamine
CH3
CH2–N–CH3
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
58
91
135
42
77
50
100
150
200
250
300
350
400
450
m/z

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	482.00	8	533.	0.0	0.0	0.0129
2	355.00	6	1384.	0.1	0.1	0.0336
3	331.00	8	2780.	0.2	0.2	0.0674
4	219.00	10	2170.	0.2	0.2	0.0526
5	181.00	8	5372.	0.5	0.5	0.1302
6	169.00	10	2042.	0.2	0.2	0.0495
7	163.00	6	892.	0.1	0.1	0.0216
8	147.00	6	808.	0.1	0.1	0.0196
9	137.00	8	636.	0.1	0.1	0.0154
10	136.00	17	34285.	3.0	3.0	0.0313
11	135.00	26	362848.	32.1	32.1	8.7974*
12	134.00	25	282128.	25.0	25.0	6.8403*
13	133.00	8	6421.	0.6	0.6	0.1557
14	132.00	10	16539.	1.5	1.5	0.4010
15	131.00	10	9621.	0.9	0.9	0.2333
16	120.00	10	4609.	0.4	0.4	0.1117*
17	119.00	14	10072.	0.9	0.9	0.2442
18	118.00	17	39489.	3.5	3.5	0.9574
19	117.00	10	7196.	0.6	0.6	0.1746*
20	116.00	8	2941.	0.3	0.3	0.0713
21	115.00	8	1580.	0.1	0.1	0.0383
22	107.00	8	1795.	0.2	0.2	0.0435
23	106.00	8	2814.	0.2	0.2	0.0682
24	105.00	8	3971.	0.4	0.4	0.0963
25	104.00	8	2290.	0.2	0.2	0.0555
26	103.00	8	1598.	0.1	0.1	0.0387
27	97.00	8	980.	0.1	0.1	0.0238
28	94.00	8	892.	0.1	0.1	0.0216
29	93.00	8	4309.	0.4	0.4	0.1045
30	92.00	17	91516.	8.1	8.1	2.2188
31	91.00	35	534736.	47.3	47.3	*12.96*
32	90.00	12	20905.	1.9	1.9	0.5069*
33	89.00	17	49445.	4.4	4.4	1.1988*
34	88.00	8	1417.	0.1	0.1	0.0344
35	86.00	8	2099.	0.2	0.2	0.0509
36	85.00	6	2811.	0.2	0.2	0.0682
37	83.00	8	1600.	0.1	0.1	0.0388
38	81.00	6	1569.	0.1	0.1	0.0380
39	79.00	10	3523.	0.3	0.3	0.0854
40	78.00	12	15225.	1.3	1.3	0.3691*
41	77.00	17	56554.	5.0	5.0	1.3712
42	76.00	12	7128.	0.6	0.6	0.1728*
43	75.00	8	6896.	0.6	0.6	0.1672
44	74.00	12	4324.	0.4	0.4	0.1048*
45	73.00	6	1869.	0.2	0.2	0.0453
46	69.00	17	37831.	3.3	3.3	0.9172*
47	67.00	10	13380.	1.2	1.2	0.3244*
48	66.00	14	14681.	1.3	1.3	0.3559*
49	65.00	25	193196.	17.1	17.1	4.6841*
50	64.00	12	14731.	1.3	1.3	0.3572*
51	63.00	17	62888.	5.6	5.6	1.5247*
52	62.00	14	25361.	2.2	2.2	0.6149
53	61.00	10	3889.	0.3	0.3	0.0943
54	59.00	17	34634.	3.1	3.1	0.8397
55	58.00	35	1129344.	100.0	100.0	*27.38*

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	57.00	17	38644.	3.4	3.4	0.9369*
57	56.00	8	10329.	0.9	0.9	0.2504
58	55.00	6	1590.	0.1	0.1	0.0386
59	53.00	6	2375.	0.2	0.2	0.0576
60	52.00	14	15475.	1.4	1.4	0.3752*
61	51.00	17	85676.	7.6	7.6	2.0773
62	50.00	17	41137.	3.6	3.6	0.9974
63	47.00	6	1025.	0.1	0.1	0.0249
64	45.00	14	12969.	1.1	1.1	0.3144*
65	44.00	29	179276.	15.9	15.9	4.3466*
66	43.00	17	51180.	4.5	4.5	1.2409
67	42.00	21	300288.	26.6	26.6	7.2806
68	41.00	17	57699.	5.1	5.1	1.3989*
69	40.00	14	19236.	1.7	1.7	0.4664*
70	39.00	21	109240.	9.7	9.7	2.6486
71	38.00	17	29972.	2.7	2.7	0.7267*
72	37.00	12	2690.	0.2	0.2	0.0652*
73	36.00	17	18778.	1.7	1.7	0.4553
74	35.00	8	2289.	0.2	0.2	0.0555


281K.1 [TIC=14886400, 100%=3636400] EI
N,N-dimethylaniline, p-(trifluoroacetyl) derivative
N-(CH3)2
C=O
CF3
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
148
217
42
77
105
119
51
63
91
40
60
80
100
120
140
160
180
200
220
m/z

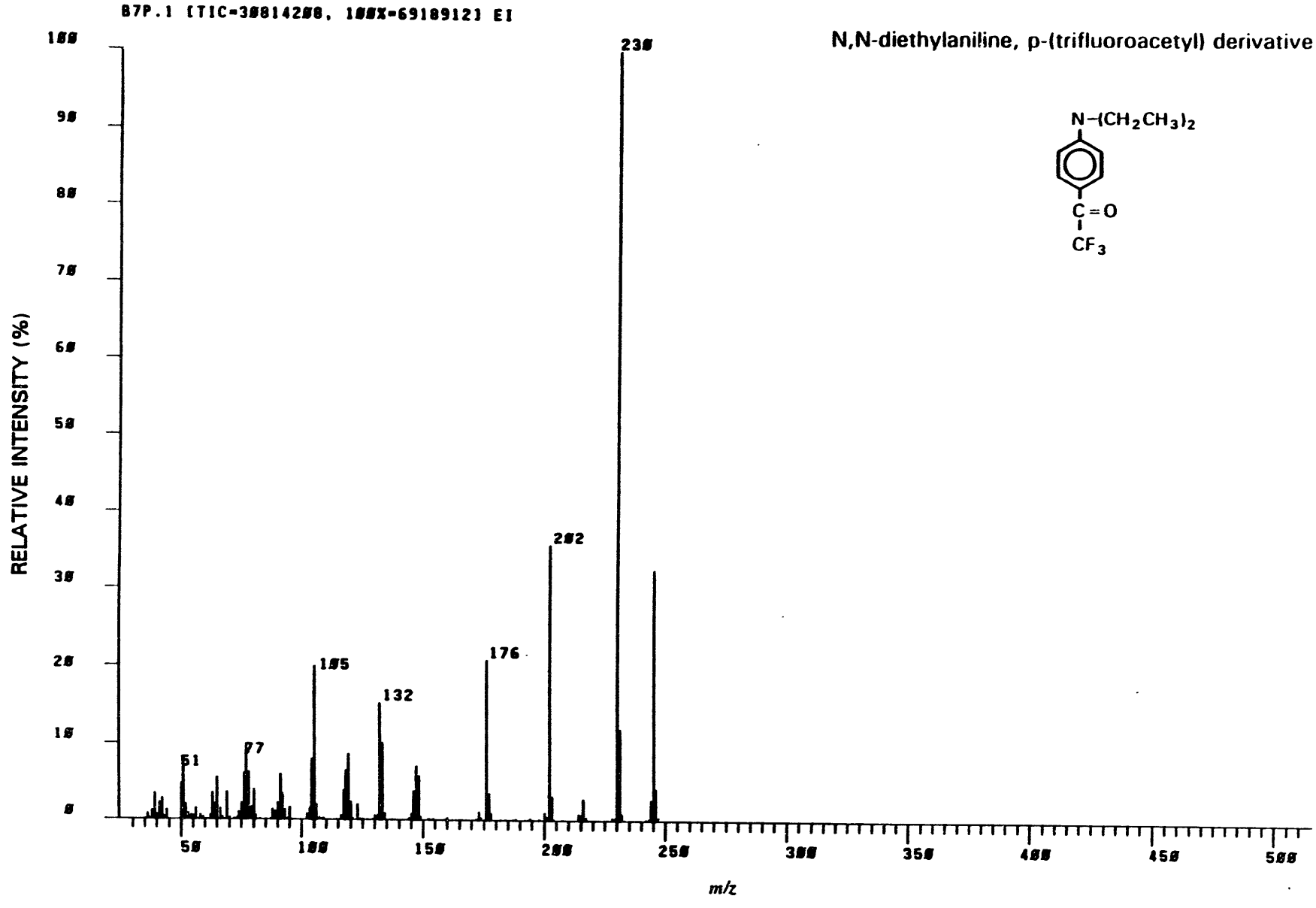
PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	219.00	12	9077.	0.2	0.2	0.0618
2	218.00	25	145796.	4.0	4.0	0.9794*
3	217.00	35	1309440.	36.0	36.0	8.7962*
4	216.00	21	115292.	3.2	3.2	0.7745*
5	215.00	8	516.	0.0	0.0	0.0035
6	214.00	10	14239.	0.4	0.4	0.0957
7	203.00	12	2024.	0.1	0.1	0.0190
8	201.00	6	570.	0.0	0.0	0.0038
9	200.00	8	10031.	0.3	0.3	0.0674
10	188.00	6	1294.	0.0	0.0	0.0087
11	187.00	8	1195.	0.0	0.0	0.0080
12	181.00	6	1800.	0.0	0.0	0.0121
13	173.00	10	11414.	0.3	0.3	0.0767
14	172.00	6	1076.	0.0	0.0	0.0072
15	169.00	8	766.	0.0	0.0	0.0051
16	167.00	8	3304.	0.1	0.1	0.0222
17	166.00	10	24270.	0.7	0.7	0.1631
18	162.00	8	1641.	0.0	0.0	0.0110
19	160.00	6	467.	0.0	0.0	0.0031
20	151.00	10	5046.	0.1	0.1	0.0339
21	150.00	14	31710.	0.9	0.9	0.2131
22	149.00	29	375000.	10.3	10.3	2.5197*
23	148.00	51	3636480.	100.0	100.0	*24.42*
24	147.00	17	14500.	0.4	0.4	0.0975*
25	146.00	14	30095.	0.8	0.8	0.2022*
26	145.00	12	9271.	0.3	0.3	0.0623
27	139.00	6	980.	0.0	0.0	0.0066
28	138.00	6	512.	0.0	0.0	0.0034
29	134.00	8	3285.	0.1	0.1	0.0221
30	133.00	14	16766.	0.5	0.5	0.1126*
31	132.00	17	136840.	3.8	3.8	0.9192
32	131.00	6	2543.	0.1	0.1	0.0171
33	130.00	8	1530.	0.0	0.0	0.0103
34	125.00	6	1702.	0.0	0.0	0.0114
35	124.00	6	856.	0.0	0.0	0.0058
36	123.00	12	31207.	0.9	0.9	0.2096
37	122.00	8	3276.	0.1	0.1	0.0220
38	121.00	14	30394.	0.8	0.8	0.2042
39	120.00	25	292120.	8.0	8.0	1.9624*
40	119.00	25	405344.	11.1	11.1	2.7229*
41	118.00	21	187500.	5.2	5.2	1.2601*
42	117.00	17	38247.	1.1	1.1	0.2569
43	116.00	8	3374.	0.1	0.1	0.0227
44	112.00	10	2834.	0.1	0.1	0.0190
45	109.00	8	6172.	0.2	0.2	0.0415
46	106.00	17	52871.	1.5	1.5	0.3552
47	105.00	25	519536.	14.3	14.3	3.4900*
48	104.00	25	384560.	10.6	10.6	2.5833*
49	103.00	17	77704.	2.1	2.1	0.5220
50	102.00	17	35622.	1.0	1.0	0.2393*
51	101.00	8	1973.	0.1	0.1	0.0133
52	100.00	12	12265.	0.3	0.3	0.0824*
53	99.00	12	4913.	0.1	0.1	0.0330
54	98.00	12	7150.	0.2	0.2	0.0480*
55	97.00	25	30293.	0.8	0.8	0.2035*

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	96.00	12	2140.	0.1	0.1	0.0144
57	95.00	17	48534.	1.3	1.3	0.3260*
58	94.00	17	44104.	1.2	1.2	0.2963*
59	93.00	17	96964.	2.7	2.7	0.6514
60	92.00	25	151052.	4.2	4.2	1.0147*
61	91.00	21	247036.	6.8	6.8	1.6648
62	90.00	21	136620.	3.8	3.8	0.9178
63	89.00	17	39495.	1.1	1.1	0.2653*
64	88.00	10	13603.	0.4	0.4	0.0914
65	87.00	10	10113.	0.3	0.3	0.0679
66	86.00	10	10509.	0.3	0.3	0.0706
67	85.00	8	10133.	0.3	0.3	0.0681
68	83.00	10	2435.	0.1	0.1	0.0164
69	82.00	12	4055.	0.1	0.1	0.0272
70	81.00	17	24617.	0.7	0.7	0.1654*
71	80.00	17	68028.	1.9	1.9	0.4570
72	79.00	25	360600.	10.1	10.1	2.4761*
73	78.00	21	309264.	8.5	8.5	2.0775
74	77.00	25	687712.	18.9	18.9	4.6197*
75	76.00	21	236916.	6.5	6.5	1.5915*
76	75.00	21	144500.	4.0	4.0	0.9712*
77	74.00	29	237116.	6.5	6.5	1.5928*
78	73.00	35	387616.	10.7	10.7	2.6038*
79	71.00	8	1716.	0.0	0.0	0.0115
80	70.00	8	3901.	0.1	0.1	0.0262
81	69.00	29	248360.	6.8	6.8	1.6684*
82	68.00	14	28438.	0.8	0.8	0.1910*
83	67.00	12	18618.	0.5	0.5	0.1251*
84	66.00	17	57451.	1.6	1.6	0.3859
85	65.00	29	117304.	3.2	3.2	0.7880*
86	64.00	17	78264.	2.2	2.2	0.5257
87	63.00	21	219436.	6.0	6.0	1.4741
88	62.00	17	60109.	1.7	1.7	0.4038
89	61.00	12	20773.	0.6	0.6	0.1395*
90	60.00	14	12009.	0.3	0.3	0.0807
91	59.00	25	144132.	4.0	4.0	0.9682*
92	58.00	25	102484.	2.8	2.8	0.6884*
93	57.00	12	13579.	0.4	0.4	0.0912*
94	56.00	8	8477.	0.2	0.2	0.0569
95	55.00	8	11852.	0.3	0.3	0.0796
96	54.00	17	22952.	0.6	0.6	0.1542
97	53.00	17	68960.	1.9	1.9	0.4632
98	52.00	29	115036.	3.2	3.2	0.7781*
99	51.00	35	312576.	8.6	8.6	2.0997*
100	50.00	21	304000.	8.4	8.4	2.0427
101	49.00	12	12529.	0.3	0.3	0.0842*
102	46.00	10	15582.	0.4	0.4	0.1047*
103	45.00	8	11336.	0.3	0.3	0.0761
104	44.00	25	93496.	2.6	2.6	0.6281*
105	43.00	21	66776.	1.8	1.8	0.4486
106	42.00	29	990360.	27.2	27.2	6.6528*
107	41.00	21	73560.	2.0	2.0	0.4942
108	40.00	17	35442.	1.0	1.0	0.2381
109	39.00	17	148380.	4.1	4.1	0.9968
110	38.00	25	88040.	2.4	2.4	0.5914*

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	37.00	17	26819.	0.7	0.7	0.1002*
112	36.00	10	15604.	0.4	0.4	0.1048
113	35.00	8	5437.	0.1	0.1	0.0365


B7P.1 [TIC=3#814288, 1##X=69189121] EI
N,N-diethylaniline, p-(trifluoroacetyl) derivative
N-(CH2CH3)2
C=O
CF3
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
238
202
176
155
132
77
51
50
100
150
200
250
300
350
400
450
500
m/z

PAGE 1

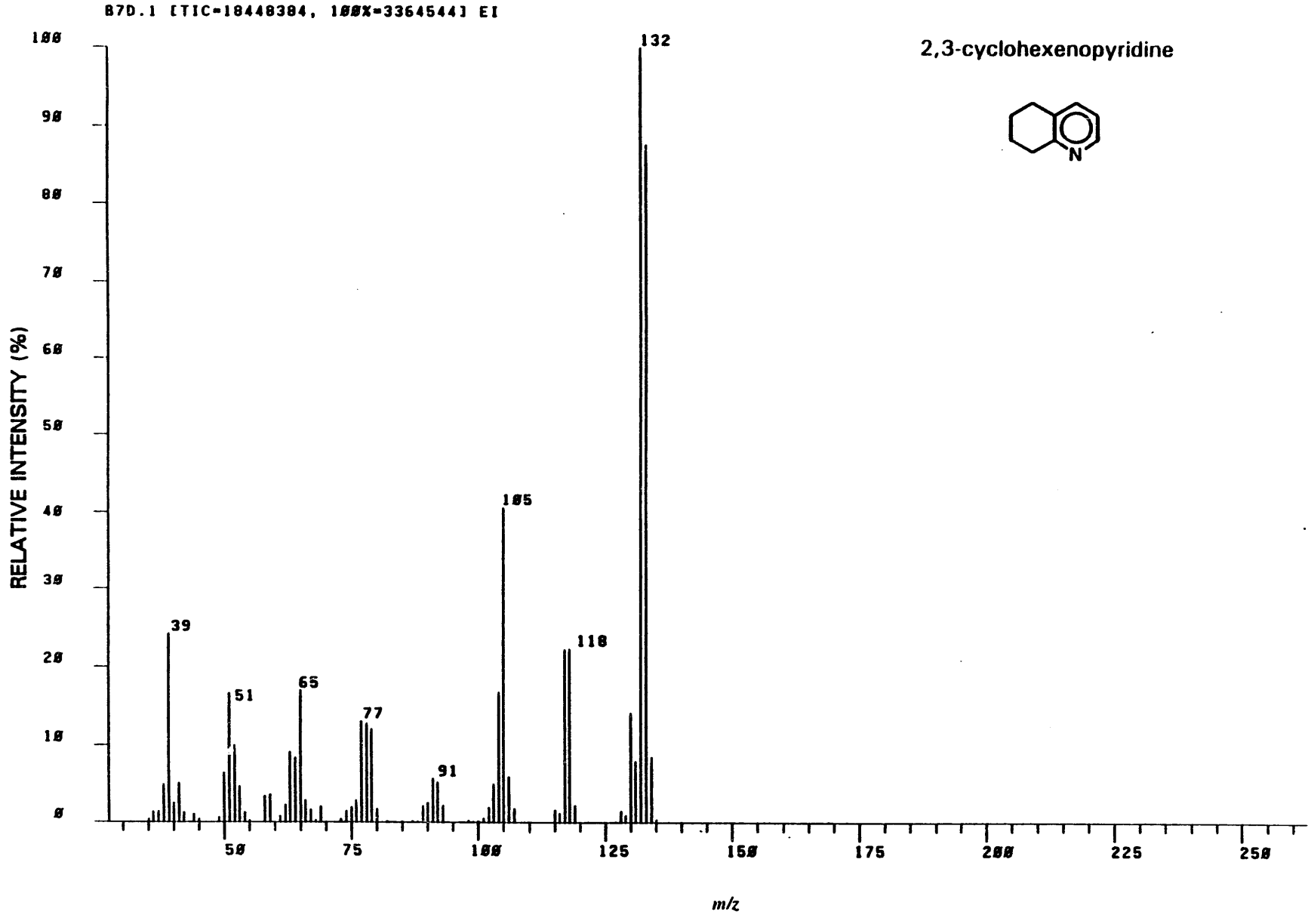
PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	508.00	6	780.	0.0	0.0	0.0025
2	281.00	6	1227.	0.0	0.0	0.0040
3	265.00	8	1220.	0.0	0.0	0.0040
4	247.00	17	34947.	0.5	0.5	0.1134*
5	246.00	21	293856.	4.2	4.2	0.9536*
6	245.00	43	2245760.	32.5	32.5	7.2881*
7	244.00	29	201656.	2.9	2.9	0.6544*
8	243.00	14	25252.	0.4	0.4	0.0819*
9	242.00	8	11969.	0.2	0.2	0.0388*
10	234.00	8	999.	0.0	0.0	0.0032
11	233.00	12	6004.	0.1	0.1	0.0195*
12	232.00	17	68220.	1.0	1.0	0.2214*
13	231.00	29	835000.	12.1	12.1	2.7124*
14	230.00	71	6918912.	100.0	100.0	*22.46*
15	229.00	21	30530.	0.4	0.4	0.0991*
16	228.00	17	29731.	0.4	0.4	0.0965*
17	227.00	6	3197.	0.0	0.0	0.0104
18	226.00	6	1317.	0.0	0.0	0.0043
19	224.00	10	1690.	0.0	0.0	0.0055
20	221.00	6	2720.	0.0	0.0	0.0088
21	220.00	8	1052.	0.0	0.0	0.0034
22	219.00	12	4659.	0.1	0.1	0.0151
23	218.00	6	4925.	0.1	0.1	0.0160
24	217.00	21	32234.	0.5	0.5	0.1046*
25	216.00	43	201740.	2.9	2.9	0.6547*
26	215.00	25	61058.	0.9	0.9	0.1981*
27	214.00	17	67924.	1.0	1.0	0.2204*
28	213.00	6	1254.	0.0	0.0	0.0041
29	212.00	8	2677.	0.0	0.0	0.0087
30	211.00	8	3729.	0.1	0.1	0.0121
31	210.00	8	911.	0.0	0.0	0.0030
32	204.00	10	12299.	0.2	0.2	0.0399
33	203.00	25	229220.	3.3	3.3	0.7439*
34	202.00	43	2473984.	35.8	35.8	8.0287*
35	201.00	25	45618.	0.7	0.7	0.1480*
36	200.00	17	78404.	1.1	1.1	0.2544
37	199.00	8	2043.	0.0	0.0	0.0066
38	198.00	10	15678.	0.2	0.2	0.0509
39	196.00	6	1967.	0.0	0.0	0.0064
40	194.00	10	17843.	0.3	0.3	0.0579
41	189.00	8	2310.	0.0	0.0	0.0075
42	188.00	12	20272.	0.3	0.3	0.0658
43	187.00	12	9016.	0.1	0.1	0.0293
44	186.00	8	2174.	0.0	0.0	0.0071
45	185.00	8	485.	0.0	0.0	0.0016
46	184.00	8	5812.	0.1	0.1	0.0189
47	183.00	8	1555.	0.0	0.0	0.0050
48	182.00	8	8970.	0.1	0.1	0.0291
49	180.00	8	1233.	0.0	0.0	0.0040
50	179.00	12	9670.	0.1	0.1	0.0314
51	178.00	43	69788.	1.0	1.0	0.2265*
52	177.00	43	249492.	3.6	3.6	0.8097*
53	176.00	51	1440320.	20.8	20.8	4.6742*
54	175.00	10	10603.	0.2	0.2	0.0344
55	174.00	14	28252.	0.4	0.4	0.0917

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	173.00	17	83164.	1.2	1.2	0.2699
57	172.00	12	18568.	0.3	0.3	0.0603*
58	169.00	8	3889.	0.1	0.1	0.0126
59	168.00	8	2268.	0.0	0.0	0.0074
60	167.00	10	3550.	0.1	0.1	0.0119
61	166.00	8	7123.	0.1	0.1	0.0231
62	164.00	8	1540.	0.0	0.0	0.0050
63	162.00	8	4349.	0.1	0.1	0.0141
64	160.00	14	26612.	0.4	0.4	0.0864
65	159.00	8	8933.	0.1	0.1	0.0290
66	158.00	8	2845.	0.0	0.0	0.0092
67	157.00	6	3530.	0.1	0.1	0.0115
68	156.00	8	996.	0.0	0.0	0.0032
69	155.00	8	2635.	0.0	0.0	0.0086
70	154.00	12	21525.	0.3	0.3	0.0699
71	153.00	10	7968.	0.1	0.1	0.0259
72	152.00	12	21892.	0.3	0.3	0.0710
73	151.00	8	7680.	0.1	0.1	0.0249
74	150.00	12	3419.	0.0	0.0	0.0111
75	149.00	14	40057.	0.6	0.6	0.1300
76	148.00	25	413720.	6.0	6.0	1.3427*
77	147.00	21	495344.	7.2	7.2	1.6075*
78	146.00	25	266520.	3.9	3.9	0.8650*
79	145.00	17	61020.	0.9	0.9	0.1980*
80	144.00	14	34553.	0.5	0.5	0.1121
81	143.00	10	9003.	0.1	0.1	0.0295
82	142.00	6	1750.	0.0	0.0	0.0057
83	141.00	6	1590.	0.0	0.0	0.0052
84	140.00	10	2330.	0.0	0.0	0.0076
85	139.00	8	1723.	0.0	0.0	0.0056
86	138.00	10	2189.	0.0	0.0	0.0071
87	137.00	8	6719.	0.1	0.1	0.0218
88	135.00	8	4869.	0.1	0.1	0.0158
89	134.00	17	68976.	1.0	1.0	0.2238
90	133.00	29	702496.	10.2	10.2	2.2798*
91	132.00	35	1056256.	15.3	15.3	3.4278*
92	131.00	25	55812.	0.8	0.8	0.1811*
93	130.00	17	47865.	0.7	0.7	0.1553*
94	129.00	8	13471.	0.2	0.2	0.0437
95	128.00	8	3396.	0.0	0.0	0.0110
96	127.00	10	11767.	0.2	0.2	0.0382
97	126.00	8	2719.	0.0	0.0	0.0088
98	125.00	12	13251.	0.2	0.2	0.0430*
99	124.00	12	16245.	0.2	0.2	0.0527*
100	123.00	17	147996.	2.1	2.1	0.4803
101	122.00	10	4853.	0.1	0.1	0.0157
102	121.00	14	22415.	0.3	0.3	0.0727
103	120.00	21	173840.	2.5	2.5	0.5642*
104	119.00	35	599744.	8.7	8.7	1.9463*
105	118.00	35	456656.	6.6	6.6	1.4820*
106	117.00	43	273728.	4.0	4.0	0.8883*
107	116.00	17	49586.	0.7	0.7	0.1609*
108	115.00	10	8584.	0.1	0.1	0.0279
109	114.00	8	6098.	0.1	0.1	0.0198
110	113.00	12	3572.	0.1	0.1	0.0116

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	112.00	8	1648.	0.0	0.0	0.0053
112	110.00	10	4074.	0.1	0.1	0.0132
113	109.00	17	10026.	0.3	0.3	0.0585*
114	108.00	17	19374.	0.3	0.3	0.0629*
115	107.00	17	34133.	0.5	0.5	0.1108
116	106.00	21	143000.	2.1	2.1	0.4641*
117	105.00	35	1377000.	19.9	19.9	4.4690*
118	104.00	29	562144.	8.1	8.1	1.8243*
119	103.00	25	112616.	1.6	1.6	0.3655*
120	102.00	21	61030.	0.9	0.9	0.1981*
121	101.00	8	5121.	0.1	0.1	0.0166
122	100.00	8	2590.	0.0	0.0	0.0084
123	99.00	8	1575.	0.0	0.0	0.0051
124	97.00	8	4259.	0.1	0.1	0.0138
125	96.00	10	11133.	0.2	0.2	0.0361*
126	95.00	21	116056.	1.7	1.7	0.3766
127	94.00	12	21590.	0.3	0.3	0.0701*
128	93.00	17	99544.	1.4	1.4	0.3230
129	92.00	21	241944.	3.5	3.5	0.7852*
130	91.00	21	421600.	6.1	6.1	1.3682
131	90.00	21	165300.	2.4	2.4	0.5364
132	89.00	21	88920.	1.3	1.3	0.2886*
133	88.00	25	100020.	1.4	1.4	0.3246*
134	87.00	10	16627.	0.2	0.2	0.0540*
135	86.00	12	3790.	0.1	0.1	0.0123*
136	85.00	10	9190.	0.1	0.1	0.0298*
137	84.00	6	960.	0.0	0.0	0.0031
138	83.00	10	11589.	0.2	0.2	0.0376*
139	82.00	17	13429.	0.2	0.2	0.0436*
140	81.00	17	48106.	0.7	0.7	0.1561*
141	80.00	35	281552.	4.1	4.1	0.9137*
142	79.00	21	127992.	1.8	1.8	0.4154*
143	78.00	25	446976.	6.5	6.5	1.4506*
144	77.00	29	680144.	9.8	9.8	2.2072*
145	76.00	21	432304.	6.2	6.2	1.4029
146	75.00	25	164856.	2.4	2.4	0.5350*
147	74.00	21	76296.	1.1	1.1	0.2476*
148	73.00	17	28119.	0.4	0.4	0.0913*
149	72.00	12	18203.	0.3	0.3	0.0591*
150	70.00	14	27607.	0.4	0.4	0.0899
151	69.00	25	258440.	3.7	3.7	0.8387*
152	68.00	10	13971.	0.2	0.2	0.0453*
153	67.00	17	34744.	0.5	0.5	0.1128
154	66.00	35	113932.	1.6	1.6	0.3697*
155	65.00	43	391856.	5.7	5.7	1.2717*
156	64.00	21	153556.	2.2	2.2	0.4983
157	63.00	25	247600.	3.6	3.6	0.8036*
158	62.00	17	51749.	0.7	0.7	0.1679
159	61.00	12	13184.	0.2	0.2	0.0428*
160	60.00	12	6381.	0.1	0.1	0.0207
161	59.00	17	34114.	0.5	0.5	0.1107*
162	58.00	17	47526.	0.7	0.7	0.1542*
163	57.00	10	11678.	0.2	0.2	0.0379
164	56.00	21	104988.	1.5	1.5	0.3407*
165	55.00	17	40879.	0.6	0.6	0.1327*

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
166	54.00	17	50706.	0.7	0.7	0.1648*
167	53.00	25	64250.	0.9	0.9	0.2085*
168	52.00	35	149004.	2.2	2.2	0.4865*
169	51.00	43	551104.	8.0	8.0	1.7885*
170	50.00	21	337952.	4.9	4.9	1.0967*
171	49.00	14	8746.	0.1	0.1	0.0284*
172	46.00	8	586.	0.0	0.0	0.0019
173	45.00	10	4497.	0.1	0.1	0.0146*
174	44.00	29	94144.	1.4	1.4	0.3055*
175	43.00	17	35257.	0.5	0.5	0.1144
176	42.00	21	200652.	2.9	2.9	0.6512
177	41.00	21	162104.	2.3	2.3	0.5263*
178	40.00	17	54090.	0.8	0.8	0.1781*
179	39.00	21	242740.	3.5	3.5	0.7878
180	38.00	21	90592.	1.3	1.3	0.2940*
181	37.00	14	28897.	0.4	0.4	0.0938*
182	36.00	17	57145.	0.8	0.8	0.1855
183	35.00	8	6272.	0.1	0.1	0.0204

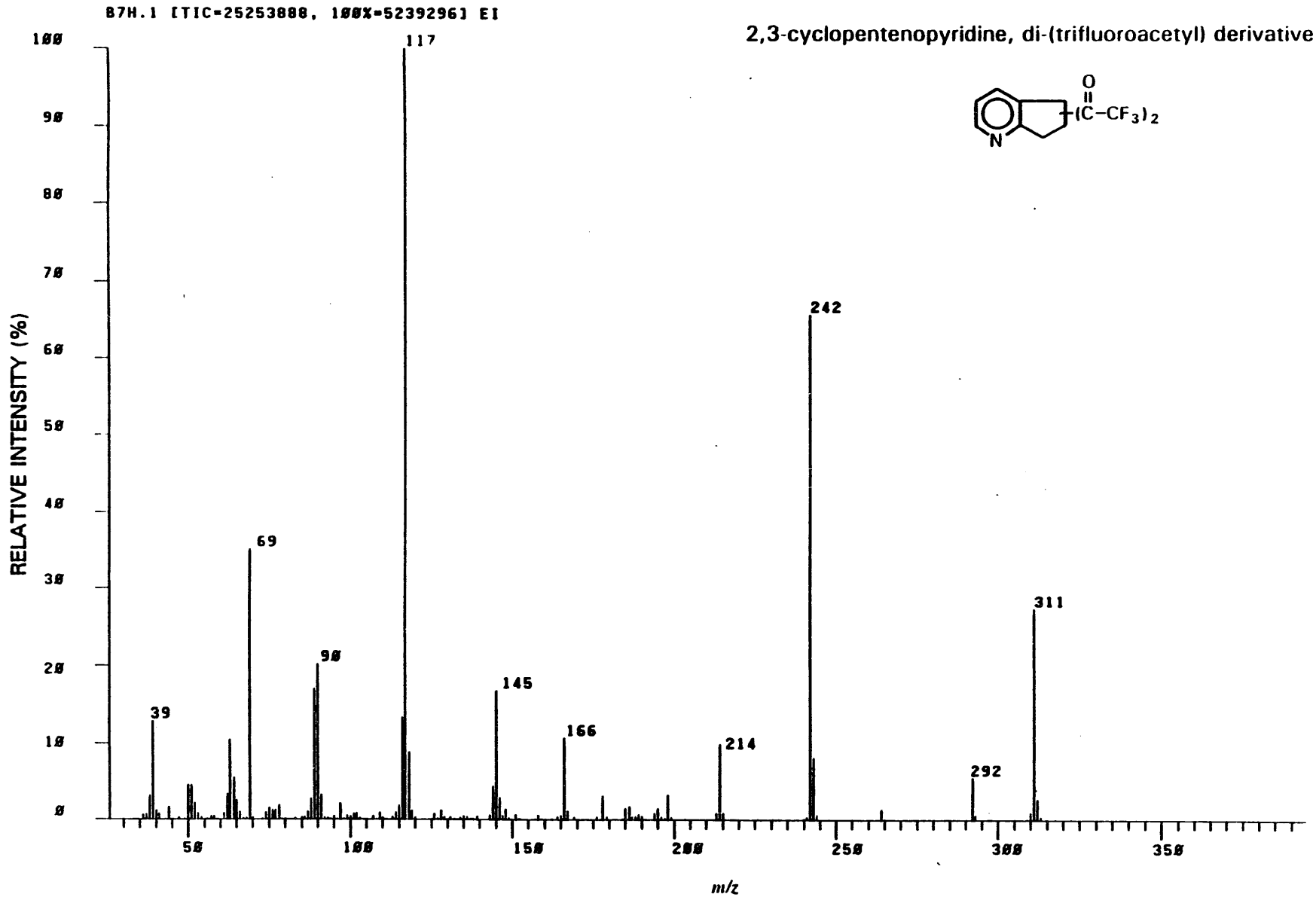

B7D.1 [TIC=18448384, 100%=3364544] EI
2,3-cyclohexenopyridine
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
39
51
65
77
91
105
118
132
50
75
100
125
150
175
200
225
250
m/z

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	256.00	6	782.	0.0	0.0	0.0042
2	231.00	8	3547.	0.1	0.1	0.0192
3	219.00	10	4367.	0.1	0.1	0.0237
4	207.00	8	1268.	0.0	0.0	0.0069
5	181.00	6	2522.	0.1	0.1	0.0137
6	169.00	8	5268.	0.2	0.2	0.0286
7	151.00	6	1725.	0.1	0.1	0.0094
8	147.00	8	959.	0.0	0.0	0.0052
9	144.00	6	1838.	0.1	0.1	0.0100
10	135.00	14	14341.	0.4	0.4	0.0777
11	134.00	29	288096.	8.6	8.6	1.5616*
12	133.00	59	2945720.	87.6	87.6	*15.96*
13	132.00	71	3364544.	100.0	100.0	*18.23*
14	131.00	59	269888.	8.0	8.0	1.4629*
15	130.00	43	476800.	14.2	14.2	2.5849*
16	129.00	17	35957.	1.1	1.1	0.1949*
17	128.00	21	50749.	1.5	1.5	0.2751*
18	127.00	12	7326.	0.2	0.2	0.0397*
19	125.00	6	1402.	0.0	0.0	0.0076
20	124.00	6	788.	0.0	0.0	0.0043
21	121.00	6	494.	0.0	0.0	0.0027
22	120.00	8	1282.	0.0	0.0	0.0069
23	119.00	17	76440.	2.3	2.3	0.4144
24	118.00	25	749072.	22.3	22.3	4.0604*
25	117.00	35	747424.	22.2	22.2	4.0514*
26	116.00	21	44651.	1.3	1.3	0.2420*
27	115.00	17	58564.	1.7	1.7	0.3174
28	114.00	6	913.	0.0	0.0	0.0049
29	113.00	8	1160.	0.0	0.0	0.0063
30	110.00	8	1253.	0.0	0.0	0.0068
31	107.00	17	64450.	1.9	1.9	0.3494
32	106.00	21	202600.	6.0	6.0	1.0982
33	105.00	43	1367040.	40.6	40.6	7.4101*
34	104.00	51	565000.	16.8	16.8	3.0631*
35	103.00	35	171380.	5.1	5.1	0.9290*
36	102.00	21	69136.	2.1	2.1	0.3748*
37	101.00	12	22292.	0.7	0.7	0.1208
38	100.00	14	6944.	0.2	0.2	0.0376*
39	99.00	6	4465.	0.1	0.1	0.0242
40	98.00	10	10357.	0.3	0.3	0.0561
41	95.00	10	2652.	0.1	0.1	0.0144
42	94.00	6	5367.	0.2	0.2	0.0291
43	93.00	17	77740.	2.3	2.3	0.4214
44	92.00	21	179820.	5.3	5.3	0.9748*
45	91.00	17	193280.	5.7	5.7	1.0477
46	90.00	17	87944.	2.6	2.6	0.4767
47	89.00	17	74444.	2.2	2.2	0.4035
48	88.00	8	7376.	0.2	0.2	0.0400
49	87.00	12	7812.	0.2	0.2	0.0423
50	86.00	8	986.	0.0	0.0	0.0053
51	85.00	8	7328.	0.2	0.2	0.0397
52	83.00	8	1139.	0.0	0.0	0.0062
53	82.00	6	6077.	0.2	0.2	0.0329
54	81.00	8	1765.	0.1	0.1	0.0096
55	80.00	17	62687.	1.9	1.9	0.3398

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	79.00	21	406448.	12.1	12.1	2.2032
57	78.00	25	429984.	12.8	12.8	2.3307*
58	77.00	21	440432.	13.1	13.1	2.3874
59	76.00	21	98652.	2.9	2.9	0.5347
60	75.00	17	69356.	2.1	2.1	0.3759
61	74.00	14	50661.	1.5	1.5	0.2746
62	73.00	10	14873.	0.4	0.4	0.0806
63	71.00	6	1203.	0.0	0.0	0.0065
64	70.00	8	1777.	0.1	0.1	0.0096
65	69.00	21	70096.	2.1	2.1	0.3800*
66	68.00	10	12992.	0.4	0.4	0.0704
67	67.00	17	57405.	1.7	1.7	0.3112
68	66.00	17	99280.	3.0	3.0	0.5382
69	65.00	43	572600.	17.0	17.0	3.1038*
70	64.00	35	282896.	8.4	8.4	1.5334*
71	63.00	21	309136.	9.2	9.2	1.6757*
72	62.00	21	80412.	2.4	2.4	0.4359*
73	61.00	17	28387.	0.8	0.8	0.1539*
74	59.00	25	124644.	3.7	3.7	0.6756*
75	58.00	29	115352.	3.4	3.4	0.6253*
76	57.00	6	963.	0.0	0.0	0.0052
77	55.00	8	8964.	0.3	0.3	0.0486
78	54.00	14	45453.	1.4	1.4	0.2464
79	53.00	25	159456.	4.7	4.7	0.8643*
80	52.00	35	337472.	10.0	10.0	1.8293*
81	51.00	35	560720.	16.7	16.7	3.0394*
82	50.00	25	220288.	6.5	6.5	1.1941*
83	49.00	17	23126.	0.7	0.7	0.1254*
84	47.00	6	1046.	0.0	0.0	0.0057
85	46.00	10	1946.	0.1	0.1	0.0105
86	45.00	12	16438.	0.5	0.5	0.0891*
87	44.00	14	37767.	1.1	1.1	0.2047
88	43.00	10	3785.	0.1	0.1	0.0205*
89	42.00	17	46629.	1.4	1.4	0.2528*
90	41.00	21	175264.	5.2	5.2	0.9500
91	40.00	21	89424.	2.7	2.7	0.4847*
92	39.00	25	813344.	24.2	24.2	4.4088*
93	38.00	29	169992.	5.1	5.1	0.9214*
94	37.00	21	48096.	1.4	1.4	0.2607*
95	36.00	17	48614.	1.4	1.4	0.2635
96	35.00	12	14318.	0.4	0.4	0.0776*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2,3-cyclopentenopyridine, di-(trifluoroacetyl) derivative
O
(C-CF3)2
N
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
117
242
69
311
98
145
39
166
214
292
50
100
150
200
250
300
350
m/z

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	381.00	8	554.	0.0	0.0	0.0022
2	325.00	8	1063.	0.0	0.0	0.0042
3	316.00	6	354.	0.0	0.0	0.0014
4	314.00	6	613.	0.0	0.0	0.0024
5	313.00	14	22831.	0.4	0.4	0.0904
6	312.00	25	144592.	2.8	2.8	0.5726
7	311.00	35	1433824.	27.4	27.4	5.6745*
8	310.00	21	52145.	1.0	1.0	0.2065*
9	309.00	8	4784.	0.1	0.1	0.0189
10	294.00	10	2208.	0.0	0.0	0.0087
11	293.00	14	37272.	0.7	0.7	0.1476
12	292.00	21	294752.	5.6	5.6	1.1672*
13	291.00	6	1757.	0.0	0.0	0.0070
14	290.00	6	548.	0.0	0.0	0.0022
15	281.00	8	743.	0.0	0.0	0.0029
16	269.00	8	652.	0.0	0.0	0.0026
17	266.00	8	872.	0.0	0.0	0.0035
18	265.00	10	7064.	0.1	0.1	0.0280
19	264.00	17	74756.	1.4	1.4	0.2960
20	245.00	6	1013.	0.0	0.0	0.0040
21	244.00	14	36999.	0.7	0.7	0.1465*
22	243.00	35	431200.	8.2	8.2	1.7075*
23	242.00	51	3443072.	65.7	65.7	*13.63*
24	241.00	25	26024.	0.5	0.5	0.1030*
25	240.00	12	10627.	0.2	0.2	0.0421*
26	239.00	8	1346.	0.0	0.0	0.0053
27	238.00	8	3780.	0.1	0.1	0.0150
28	235.00	6	928.	0.0	0.0	0.0037
29	231.00	6	1635.	0.0	0.0	0.0065
30	227.00	10	2234.	0.0	0.0	0.0088
31	226.00	8	7595.	0.1	0.1	0.0301
32	223.00	6	1696.	0.0	0.0	0.0067
33	219.00	6	1453.	0.0	0.0	0.0058
34	216.00	8	4315.	0.1	0.1	0.0171
35	215.00	14	48077.	0.9	0.9	0.1904
36	214.00	35	525600.	10.0	10.0	2.0816*
37	213.00	14	50984.	1.0	1.0	0.2019
38	212.00	8	8344.	0.2	0.2	0.0330
39	207.00	6	455.	0.0	0.0	0.0018
40	206.00	8	1553.	0.0	0.0	0.0061
41	201.00	6	1435.	0.0	0.0	0.0057
42	200.00	6	889.	0.0	0.0	0.0035
43	199.00	12	22613.	0.4	0.4	0.0895
44	198.00	17	175952.	3.4	3.4	0.6967
45	197.00	10	14847.	0.3	0.3	0.0588
46	196.00	12	22696.	0.4	0.4	0.0899
47	195.00	17	80224.	1.5	1.5	0.3177*
48	194.00	14	48376.	0.9	0.9	0.1916
49	191.00	12	6406.	0.1	0.1	0.0254*
50	190.00	35	25956.	0.5	0.5	0.1028*
51	189.00	35	40087.	0.8	0.8	0.1587*
52	188.00	25	25711.	0.5	0.5	0.1018*
53	187.00	17	25057.	0.5	0.5	0.0992*
54	186.00	17	92656.	1.8	1.8	0.3669*
55	185.00	17	79552.	1.5	1.5	0.3150*

PAGE 2

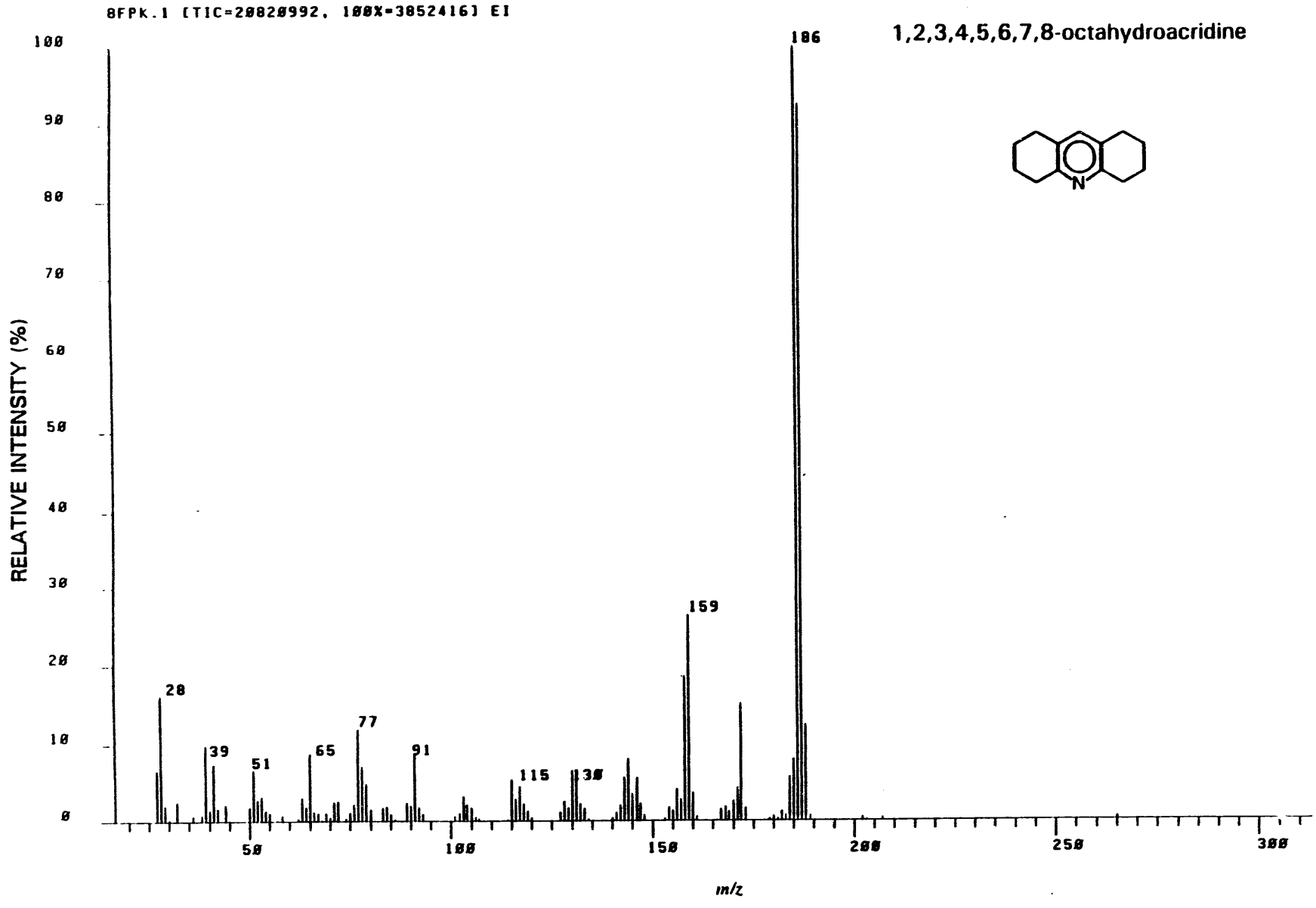
PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	184.00	10	11450.	0.2	0.2	0.0453
57	181.00	8	2883.	0.1	0.1	0.0114
58	179.00	12	23064.	0.4	0.4	0.0913
59	178.00	21	168880.	3.2	3.2	0.6687
60	177.00	8	7350.	0.1	0.1	0.0291
61	176.00	12	20707.	0.4	0.4	0.0820
62	175.00	6	718.	0.0	0.0	0.0028
63	174.00	8	1846.	0.0	0.0	0.0073
64	172.00	14	3367.	0.1	0.1	0.0133
65	170.00	6	1230.	0.0	0.0	0.0049
66	169.00	10	18403.	0.4	0.4	0.0729
67	168.00	10	2123.	0.0	0.0	0.0084
68	167.00	17	61697.	1.2	1.2	0.2443
69	166.00	21	565952.	10.8	10.8	2.2410*
70	165.00	17	34597.	0.7	0.7	0.1370*
71	164.00	12	22456.	0.4	0.4	0.0889
72	163.00	10	1619.	0.0	0.0	0.0064
73	162.00	8	4362.	0.1	0.1	0.0173
74	161.00	8	1552.	0.0	0.0	0.0061
75	160.00	8	5100.	0.1	0.1	0.0202
76	159.00	8	8033.	0.2	0.2	0.0318
77	158.00	14	33339.	0.6	0.6	0.1320
78	157.00	10	5564.	0.1	0.1	0.0220
79	156.00	8	1396.	0.0	0.0	0.0055
80	153.00	8	1665.	0.0	0.0	0.0066
81	152.00	10	10536.	0.2	0.2	0.0417
82	151.00	12	35605.	0.7	0.7	0.1410
83	150.00	6	1338.	0.0	0.0	0.0053
84	149.00	10	13146.	0.3	0.3	0.0521
85	148.00	17	76000.	1.5	1.5	0.3009*
86	147.00	14	32485.	0.6	0.6	0.1286
87	146.00	21	153404.	2.9	2.9	0.6078*
88	145.00	35	879712.	16.8	16.8	3.4835*
89	144.00	21	236956.	4.5	4.5	0.9383*
90	143.00	14	39116.	0.7	0.7	0.1549
91	142.00	8	3986.	0.1	0.1	0.0158
92	140.00	6	658.	0.0	0.0	0.0026
93	139.00	10	22182.	0.4	0.4	0.0878
94	138.00	10	10793.	0.2	0.2	0.0427*
95	137.00	8	11393.	0.2	0.2	0.0451
96	136.00	14	23903.	0.5	0.5	0.0947
97	135.00	17	29334.	0.6	0.6	0.1162*
98	134.00	12	19000.	0.4	0.4	0.0753
99	133.00	12	7613.	0.1	0.1	0.0301
100	132.00	10	11855.	0.2	0.2	0.0469
101	131.00	12	19154.	0.4	0.4	0.0758
102	130.00	8	5614.	0.1	0.1	0.0222
103	129.00	14	26261.	0.5	0.5	0.1040*
104	128.00	17	68600.	1.3	1.3	0.2716*
105	127.00	10	15907.	0.3	0.3	0.0630
106	126.00	14	45386.	0.9	0.9	0.1797
107	125.00	12	10200.	0.2	0.2	0.0404
108	123.00	12	6540.	0.1	0.1	0.0259*
109	122.00	10	3060.	0.1	0.1	0.0121
110	121.00	10	8175.	0.2	0.2	0.0324

PAGE 3

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	120.00	14	20242.	0.4	0.4	0.0002*
112	119.00	21	67116.	1.3	1.3	0.2660
113	118.00	29	469584.	9.0	9.0	1.8595*
114	117.00	71	5239296.	100.0	100.0	*20.74*
115	116.00	51	706256.	13.5	13.5	2.7966*
116	115.00	17	103060.	2.0	2.0	0.4081*
117	114.00	17	54619.	1.0	1.0	0.2163
118	113.00	14	22634.	0.4	0.4	0.0096*
119	112.00	8	2598.	0.0	0.0	0.0103
120	111.00	10	4767.	0.1	0.1	0.0189
121	110.00	12	14105.	0.3	0.3	0.0559*
122	109.00	17	49305.	0.9	0.9	0.1952
123	108.00	8	6722.	0.1	0.1	0.0266
124	107.00	14	27119.	0.5	0.5	0.1074
125	106.00	8	1002.	0.0	0.0	0.0040
126	104.00	10	5888.	0.1	0.1	0.0233*
127	103.00	14	16811.	0.3	0.3	0.0666*
128	102.00	17	48915.	0.9	0.9	0.1937
129	101.00	17	46121.	0.9	0.9	0.1826*
130	100.00	14	22170.	0.4	0.4	0.0878
131	99.00	12	34660.	0.7	0.7	0.1372
132	98.00	12	6602.	0.1	0.1	0.0261*
133	97.00	21	113052.	2.2	2.2	0.4477*
134	96.00	10	11304.	0.2	0.2	0.0448
135	95.00	14	27526.	0.5	0.5	0.1090*
136	94.00	14	10558.	0.2	0.2	0.0418*
137	93.00	12	13381.	0.3	0.3	0.0530*
138	92.00	12	19732.	0.4	0.4	0.0781
139	91.00	21	177360.	3.4	3.4	0.7023*
140	90.00	35	1054080.	20.1	20.1	4.1739*
141	89.00	43	893856.	17.1	17.1	3.5395*
142	88.00	35	150580.	2.9	2.9	0.5963*
143	87.00	21	56580.	1.1	1.1	0.2240*
144	86.00	14	22780.	0.4	0.4	0.0902
145	85.00	14	18441.	0.4	0.4	0.0730*
146	83.00	10	15121.	0.3	0.3	0.0599
147	82.00	8	8325.	0.2	0.2	0.0330
148	81.00	10	6332.	0.1	0.1	0.0251*
149	80.00	10	11932.	0.2	0.2	0.0472*
150	79.00	12	12043.	0.2	0.2	0.0477
151	78.00	21	102420.	2.0	2.0	0.4056
152	77.00	17	72960.	1.4	1.4	0.2889
153	76.00	17	71176.	1.4	1.4	0.2818
154	75.00	21	86740.	1.7	1.7	0.3435*
155	74.00	14	52670.	1.0	1.0	0.2086
156	73.00	12	13054.	0.2	0.2	0.0517*
157	72.00	6	655.	0.0	0.0	0.0026
158	70.00	14	10720.	0.4	0.4	0.0741
159	69.00	59	1841664.	35.2	35.2	7.2926*
160	68.00	17	14804.	0.3	0.3	0.0586*
161	67.00	10	13755.	0.3	0.3	0.0545*
162	66.00	21	56500.	1.1	1.1	0.2237
163	65.00	21	141372.	2.7	2.7	0.5598*
164	64.00	35	292496.	5.6	5.6	1.1582*
165	63.00	29	552912.	10.6	10.6	2.1894*

PAGE 4

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
166	62.00	21	179252.	3.4	3.4	0.7098*
167	61.00	17	47331.	0.9	0.9	0.1874
168	60.00	8	2303.	0.0	0.0	0.0091
169	59.00	10	4920.	0.1	0.1	0.0195
170	58.00	14	29115.	0.6	0.6	0.1153*
171	57.00	17	30064.	0.6	0.6	0.1190*
172	56.00	8	8893.	0.2	0.2	0.0352*
173	54.00	10	18373.	0.4	0.4	0.0728
174	53.00	21	49764.	0.9	0.9	0.1971
175	52.00	21	119052.	2.3	2.3	0.4714
176	51.00	21	240224.	4.6	4.6	0.9512
177	50.00	25	243696.	4.6	4.6	0.9646*
178	49.00	10	12570.	0.2	0.2	0.0498
179	48.00	12	1400.	0.0	0.0	0.0056*
180	47.00	14	15904.	0.3	0.3	0.0630
181	45.00	8	6771.	0.1	0.1	0.0268
182	44.00	25	87700.	1.7	1.7	0.3473*
183	43.00	6	4727.	0.1	0.1	0.0187
184	42.00	10	3251.	0.1	0.1	0.0129
185	41.00	17	43533.	0.8	0.8	0.1724*
186	40.00	17	65600.	1.3	1.3	0.2601
187	39.00	25	675776.	12.9	12.9	2.6759*
188	38.00	25	169424.	3.2	3.2	0.6709
189	37.00	17	41505.	0.8	0.8	0.1644*
190	36.00	14	37429.	0.7	0.7	0.1482*
191	35.00	8	1292.	0.0	0.0	0.0051


8FPk.1 [TIC=20820992, 100%=3852416] EI
1,2,3,4,5,6,7,8-octahydroacridine
RELATIVE INTENSITY (%)
m/z
186
159
28
39
51
65
77
91
115
138
100
90
80
70
60
50
40
30
20
10
0
50
100
150
200
250
300
N

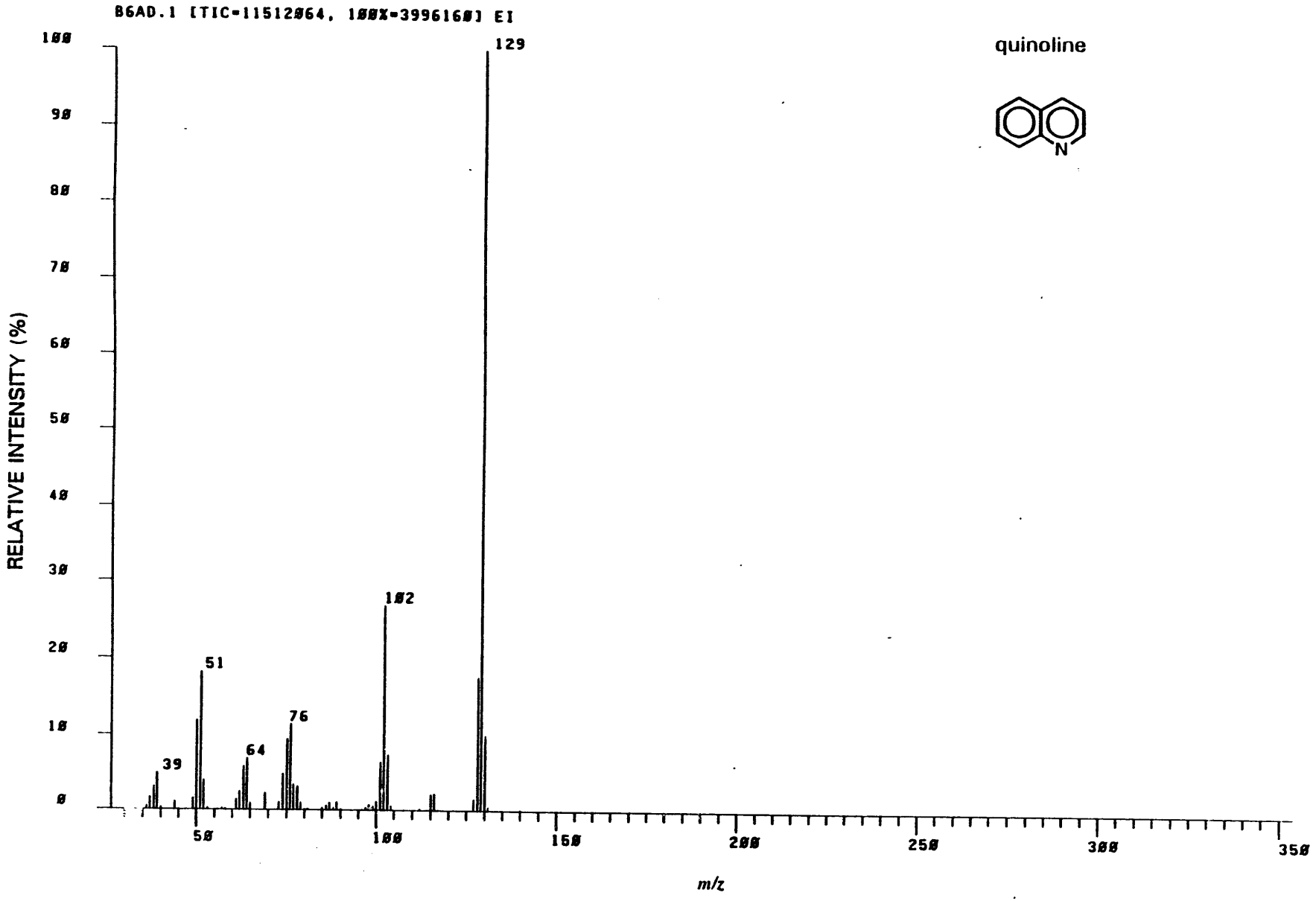
PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	301.00	12	2795.	0.1	0.1	0.0134
2	269.00	6	2421.	0.1	0.1	0.0116
3	265.00	10	17097.	0.4	0.4	0.0821
4	243.00	8	1490.	0.0	0.0	0.0072
5	209.00	8	1350.	0.0	0.0	0.0065
6	207.00	10	19224.	0.5	0.5	0.0923
7	203.00	8	7082.	0.2	0.2	0.0340
8	202.00	10	22709.	0.6	0.6	0.1091
9	191.00	6	1712.	0.0	0.0	0.0082
10	189.00	12	28468.	0.7	0.7	0.1367*
11	188.00	35	478224.	12.4	12.4	2.2968*
12	187.00	43	3569152.	92.6	92.6	*17.14*
13	186.00	59	3852416.	100.0	100.0	*18.50*
14	185.00	51	309248.	8.0	8.0	1.4853*
15	184.00	25	221228.	5.7	5.7	1.0625*
16	183.00	12	31124.	0.8	0.8	0.1495*
17	182.00	17	49481.	1.3	1.3	0.2376*
18	181.00	10	13857.	0.4	0.4	0.0666
19	180.00	10	26037.	0.7	0.7	0.1289
20	179.00	8	13232.	0.3	0.3	0.0636
21	178.00	6	2144.	0.1	0.1	0.0103
22	174.00	10	2679.	0.1	0.1	0.0129
23	173.00	14	67456.	1.8	1.8	0.3240
24	172.00	21	583648.	15.2	15.2	2.8032
25	171.00	17	167592.	4.4	4.4	0.8049
26	170.00	17	100408.	2.6	2.6	0.4822
27	169.00	17	48768.	1.3	1.3	0.2342
28	168.00	17	73872.	1.9	1.9	0.3548
29	167.00	12	59854.	1.6	1.6	0.2875
30	166.00	8	7293.	0.2	0.2	0.0350
31	161.00	10	24625.	0.6	0.6	0.1183
32	160.00	17	142076.	3.7	3.7	0.6824
33	159.00	35	1016848.	26.4	26.4	4.8838*
34	158.00	35	718704.	18.7	18.7	3.4518*
35	157.00	25	112028.	2.9	2.9	0.5381*
36	156.00	17	162260.	4.2	4.2	0.7793*
37	155.00	14	53796.	1.4	1.4	0.2584
38	154.00	17	68044.	1.8	1.8	0.3268
39	153.00	8	13050.	0.3	0.3	0.0627
40	152.00	8	2970.	0.1	0.1	0.0143
41	151.00	8	5872.	0.2	0.2	0.0282
42	149.00	8	1532.	0.0	0.0	0.0074
43	148.00	12	30751.	0.8	0.8	0.1477
44	147.00	17	86684.	2.3	2.3	0.4163
45	146.00	17	215656.	5.6	5.6	1.0358
46	145.00	17	137656.	3.6	3.6	0.6611
47	144.00	17	312624.	8.1	8.1	1.5015
48	143.00	17	219780.	5.7	5.7	1.0556
49	142.00	14	82044.	2.1	2.1	0.3940
50	141.00	12	41704.	1.1	1.1	0.2003
51	140.00	10	15004.	0.4	0.4	0.0721
52	139.00	6	1678.	0.0	0.0	0.0081
53	134.00	10	10250.	0.3	0.3	0.0492
54	133.00	17	64317.	1.7	1.7	0.3089
55	132.00	17	88960.	2.3	2.3	0.4273

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	131.00	17	239208.	6.2	6.2	1.1489
57	130.00	21	254972.	6.6	6.6	1.2246*
58	129.00	14	67592.	1.8	1.8	0.3246
59	128.00	17	100404.	2.6	2.6	0.4822
60	127.00	12	46914.	1.2	1.2	0.2253
61	126.00	6	2183.	0.1	0.1	0.0105
62	121.00	8	1806.	0.0	0.0	0.0087
63	120.00	12	16347.	0.4	0.4	0.0785
64	119.00	17	51470.	1.3	1.3	0.2472*
65	118.00	14	86412.	2.2	2.2	0.4150
66	117.00	17	174640.	4.5	4.5	0.8388
67	116.00	17	114984.	3.0	3.0	0.5523
68	115.00	17	209140.	5.4	5.4	1.0045
69	114.00	10	10529.	0.3	0.3	0.0506
70	113.00	10	5788.	0.2	0.2	0.0278
71	107.00	8	14614.	0.4	0.4	0.0702
72	106.00	10	24436.	0.6	0.6	0.1174
73	105.00	17	69724.	1.8	1.8	0.3349
74	104.00	17	94456.	2.2	2.2	0.4056*
75	103.00	17	127248.	3.3	3.3	0.6112
76	102.00	14	43147.	1.1	1.1	0.2072
77	101.00	10	28481.	0.7	0.7	0.1368
78	94.00	8	3863.	0.1	0.1	0.0186
79	93.00	14	35488.	0.9	0.9	0.1704*
80	92.00	17	72756.	1.9	1.9	0.3494*
81	91.00	21	338544.	8.8	8.8	1.6260*
82	90.00	17	77616.	2.0	2.0	0.3728*
83	89.00	17	94788.	2.5	2.5	0.4553*
84	88.00	10	4716.	0.1	0.1	0.0227
85	87.00	10	4944.	0.1	0.1	0.0237
86	86.00	14	10325.	0.3	0.3	0.0496*
87	85.00	14	36650.	1.0	1.0	0.1760*
88	84.00	21	75936.	2.0	2.0	0.3647*
89	83.00	14	71788.	1.9	1.9	0.3448
90	81.00	8	8915.	0.2	0.2	0.0428
91	80.00	17	61894.	1.6	1.6	0.2973*
92	79.00	29	190464.	4.9	4.9	0.9148*
93	78.00	35	276320.	7.2	7.2	1.3271*
94	77.00	35	459472.	11.9	11.9	2.2068*
95	76.00	21	84888.	2.2	2.2	0.4077*
96	75.00	14	43330.	1.1	1.1	0.2081
97	74.00	10	17509.	0.5	0.5	0.0841
98	73.00	8	2907.	0.1	0.1	0.0140
99	72.00	25	102260.	2.7	2.7	0.4911*
100	71.00	17	98800.	2.6	2.6	0.4745*
101	70.00	12	20247.	0.5	0.5	0.0972*
102	69.00	14	43322.	1.1	1.1	0.2081*
103	68.00	12	9075.	0.2	0.2	0.0436
104	67.00	12	42631.	1.1	1.1	0.2048
105	66.00	14	50980.	1.3	1.3	0.2448
106	65.00	35	341440.	8.9	8.9	1.6399*
107	64.00	17	74144.	1.9	1.9	0.3561*
108	63.00	17	119684.	3.1	3.1	0.5748
109	62.00	12	18409.	0.5	0.5	0.0884
110	60.00	6	2378.	0.1	0.1	0.0114

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	59.00	8	2128.	0.1	0.1	0.0102
112	58.00	10	29532.	0.8	0.8	0.1418
113	57.00	17	6680.	0.2	0.2	0.0321*
114	56.00	6	2581.	0.1	0.1	0.0124
115	55.00	14	44387.	1.2	1.2	0.2132*
116	54.00	14	55159.	1.4	1.4	0.2649
117	53.00	17	125296.	3.3	3.3	0.6018
118	52.00	17	111680.	2.9	2.9	0.5364
119	51.00	17	257672.	6.7	6.7	1.2371
120	50.00	17	71704.	1.9	1.9	0.3444*
121	45.00	8	5362.	0.1	0.1	0.0258
122	44.00	17	85132.	2.2	2.2	0.4089*
123	43.00	10	3490.	0.1	0.1	0.0168
124	42.00	17	68132.	1.8	1.8	0.3272
125	41.00	21	285488.	7.4	7.4	1.3712
126	40.00	21	59353.	1.5	1.5	0.2851*
127	39.00	21	380928.	9.9	9.9	1.0295
128	38.00	12	33271.	0.9	0.9	0.1598*
129	36.00	12	31068.	0.8	0.8	0.1492
130	35.00	10	2938.	0.1	0.1	0.0141
131	32.00	21	101712.	2.6	2.6	0.4885
132	31.00	6	808.	0.0	0.0	0.0039
133	30.00	14	12939.	0.3	0.3	0.0621
134	29.00	21	80420.	2.1	2.1	0.3862*
135	28.00	35	622832.	16.2	16.2	2.9914
136	27.00	21	257032.	6.7	6.7	1.2303

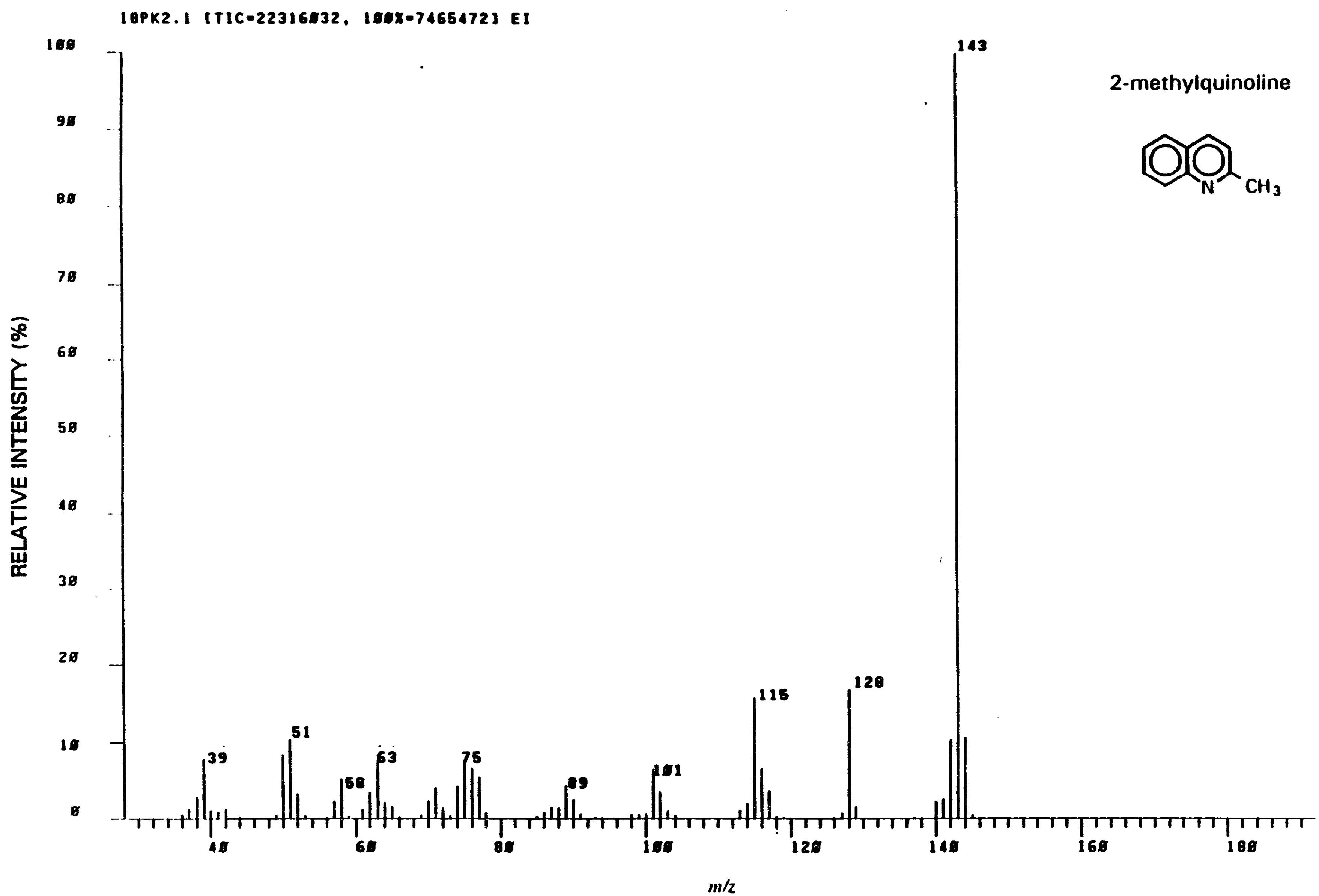

86AD.1 [TIC=11512864, 100%=3996168] EI
quinoline
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
129
102
51
76
64
39
50
100
150
200
250
300
350
m/z

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	341.00	6	853.	0.0	0.0	0.0074
2	190.00	6	881.	0.0	0.0	0.0078
3	181.00	8	1642.	0.0	0.0	0.0143
4	169.00	6	1296.	0.0	0.0	0.0113
5	140.00	10	8220.	0.2	0.2	0.0715
6	131.00	14	25299.	0.6	0.6	0.2198*
7	130.00	29	398560.	10.0	10.0	3.4621*
8	129.00	59	3996160.	100.0	100.0	*34.71*
9	128.00	35	705792.	17.7	17.7	6.1309*
10	127.00	25	63514.	1.6	1.6	0.5517*
11	126.00	8	3566.	0.1	0.1	0.0310
12	123.00	8	1424.	0.0	0.0	0.0124
13	119.00	8	2662.	0.1	0.1	0.0231
14	117.00	10	5764.	0.1	0.1	0.0501
15	116.00	17	91060.	2.3	2.3	0.7911
16	115.00	17	87776.	2.2	2.2	0.7625
17	114.00	8	4660.	0.1	0.1	0.0405
18	113.00	8	1700.	0.0	0.0	0.0148
19	112.00	10	11520.	0.3	0.3	0.1001
20	100.00	6	1211.	0.0	0.0	0.0105
21	104.00	10	26690.	0.7	0.7	0.2318
22	103.00	25	297504.	7.4	7.4	2.5843*
23	102.00	35	1072064.	26.8	26.8	9.3125*
24	101.00	21	256096.	6.4	6.4	2.2246*
25	100.00	14	47925.	1.2	1.2	0.4163
26	99.00	12	26652.	0.7	0.7	0.2315
27	98.00	12	32023.	0.8	0.8	0.2782
28	97.00	10	13419.	0.3	0.3	0.1166
29	96.00	10	4599.	0.1	0.1	0.0399
30	91.00	8	1171.	0.0	0.0	0.0102
31	90.00	12	6693.	0.2	0.2	0.0581
32	89.00	12	44225.	1.1	1.1	0.3842
33	88.00	12	15265.	0.4	0.4	0.1326
34	87.00	14	40313.	1.0	1.0	0.3502
35	86.00	14	23795.	0.6	0.6	0.2067*
36	85.00	12	14691.	0.4	0.4	0.1276
37	84.00	8	1553.	0.0	0.0	0.0135
38	81.00	12	9819.	0.2	0.2	0.0853*
39	80.00	12	6740.	0.2	0.2	0.0586*
40	79.00	12	41480.	1.0	1.0	0.3604
41	78.00	17	125676.	3.1	3.1	1.0917
42	77.00	21	136012.	3.4	3.4	1.1815
43	76.00	25	457320.	11.4	11.4	3.9726*
44	75.00	25	376920.	9.4	9.4	3.2742*
45	74.00	17	195160.	4.9	4.9	1.6953*
46	73.00	17	42989.	1.1	1.1	0.3734
47	72.00	8	4342.	0.1	0.1	0.0377
48	71.00	6	320.	0.0	0.0	0.0028
49	69.00	21	91236.	2.3	2.3	0.7925
50	65.00	17	40204.	1.0	1.0	0.3492*
51	64.00	35	277160.	6.9	6.9	2.4076*
52	63.00	25	233956.	5.9	5.9	2.0323*
53	62.00	17	101432.	2.5	2.5	0.8811
54	61.00	17	59150.	1.5	1.5	0.5139
55	60.00	6	1223.	0.0	0.0	0.0106

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	58.00	10	9800.	0.2	0.2	0.0851
57	57.00	10	11120.	0.3	0.3	0.0967*
58	56.00	12	4159.	0.1	0.1	0.0361*
59	53.00	10	15953.	0.4	0.4	0.1386
60	52.00	21	161266.	4.0	4.0	1.4008
61	51.00	35	720200.	18.2	18.2	6.3256*
62	50.00	25	470224.	12.0	12.0	4.1541*
63	49.00	21	66320.	1.7	1.7	0.5762*
64	48.00	8	1656.	0.0	0.0	0.0144
65	47.00	10	5050.	0.1	0.1	0.0439
66	46.00	6	677.	0.0	0.0	0.0059
67	45.00	10	3653.	0.1	0.1	0.0317
68	44.00	17	43054.	1.1	1.1	0.3740
69	43.00	12	4843.	0.1	0.1	0.0421
70	41.00	10	4302.	0.1	0.1	0.0381
71	40.00	12	15847.	0.4	0.4	0.1377*
72	39.00	21	198204.	5.0	5.0	1.7217
73	38.00	25	127020.	3.2	3.2	1.1103
74	37.00	17	69360.	1.7	1.7	0.6026*
75	36.00	12	21323.	0.5	0.5	0.1852*
76	35.00	8	1619.	0.0	0.0	0.0141

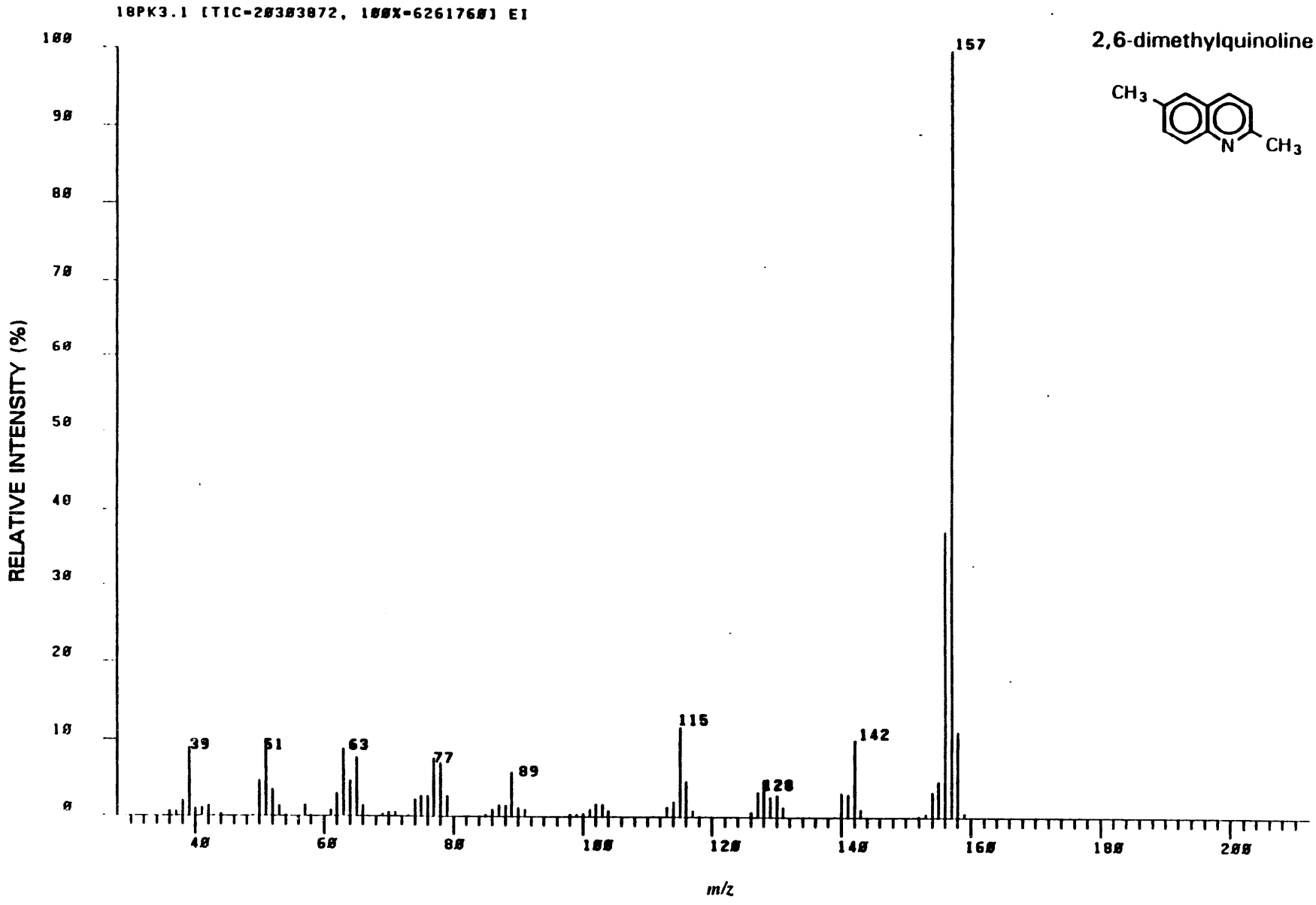

18PK2.1 [TIC=22316032, 100%=7465472] EI
2-methylquinoline
N
CH3
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
39
51
58
63
75
89
101
115
128
143
40
60
80
100
120
140
160
180
m/z

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	181.00	8	831.	0.0	0.0	0.0037
2	169.00	6	1122.	0.0	0.0	0.0050
3	145.00	14	41614.	0.6	0.0	0.1865
4	144.00	35	790176.	10.6	10.6	3.5400*
5	143.00	71	7466472.	100.0	100.0	*33.7465*
6	142.00	51	774864.	10.4	10.4	3.4722*
7	141.00	43	194256.	2.6	2.6	0.8705*
8	140.00	17	170544.	2.3	2.3	0.7642
9	139.00	8	2246.	0.0	0.0	0.0101
10	134.00	6	770.	0.0	0.0	0.0035
11	131.00	8	2002.	0.0	0.0	0.0090
12	130.00	10	2471.	0.0	0.0	0.0111
13	129.00	17	120500.	1.6	1.6	0.5403*
14	128.00	29	1249056.	16.7	16.7	5.5997*
15	127.00	17	58130.	0.8	0.8	0.2605
16	126.00	8	9590.	0.1	0.1	0.0430
17	119.00	8	5990.	0.1	0.1	0.0269
18	118.00	12	20525.	0.3	0.3	0.0920
19	117.00	21	267552.	3.6	3.6	1.1989*
20	116.00	21	492352.	6.6	6.6	2.2063
21	115.00	35	1167360.	15.6	15.6	5.2310*
22	114.00	35	149340.	2.0	2.0	0.6692*
23	113.00	17	85216.	1.1	1.1	0.3819
24	112.00	8	5066.	0.1	0.1	0.0227
25	111.00	8	4213.	0.1	0.1	0.0189
26	110.00	10	3983.	0.1	0.1	0.0178
27	104.00	14	34372.	0.5	0.5	0.1540
28	103.00	17	78332.	1.0	1.0	0.3510
29	102.00	17	265040.	3.6	3.6	1.1877
30	101.00	21	483984.	6.5	6.5	2.1688*
31	100.00	17	49171.	0.7	0.7	0.2203
32	99.00	12	38176.	0.5	0.5	0.1711
33	98.00	14	43286.	0.6	0.6	0.1940
34	97.00	8	1553.	0.0	0.0	0.0070
35	96.00	8	1404.	0.0	0.0	0.0063
36	95.00	14	2223.	0.0	0.0	0.0100*
37	94.00	12	9935.	0.1	0.1	0.0445*
38	93.00	17	14005.	0.2	0.2	0.0628*
39	92.00	8	3569.	0.0	0.0	0.0160
40	91.00	14	49650.	0.7	0.7	0.2225
41	90.00	17	186320.	2.5	2.5	0.8349
42	89.00	17	317456.	4.3	4.3	1.4225
43	88.00	21	111524.	1.5	1.5	0.4997*
44	87.00	17	116432.	1.6	1.6	0.5217
45	86.00	17	63042.	0.8	0.8	0.2825
46	85.00	12	27722.	0.4	0.4	0.1242*
47	84.00	8	1243.	0.0	0.0	0.0056
48	79.00	10	6047.	0.1	0.1	0.0271
49	78.00	17	60580.	0.8	0.8	0.2715
50	77.00	21	402600.	5.4	5.4	1.8041
51	76.00	21	495640.	6.6	6.6	2.2210
52	75.00	25	574192.	7.7	7.7	2.5730*
53	74.00	21	315400.	4.2	4.2	1.4134
54	73.00	14	35050.	0.5	0.5	0.1571*
55	72.00	17	111360.	1.5	1.5	0.4990*

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	71.00	29	301000.	4.0	4.0	1.3524*
57	70.00	21	175040.	2.3	2.3	0.7844*
58	69.00	14	40952.	0.5	0.5	0.1835*
59	68.00	6	1220.	0.0	0.0	0.0055
60	67.00	6	1333.	0.0	0.0	0.0060
61	66.00	14	16070.	0.2	0.2	0.0720
62	65.00	17	122720.	1.6	1.6	0.5499
63	64.00	17	162032.	2.2	2.2	0.7261*
64	63.00	21	563952.	7.6	7.6	2.6271
65	62.00	17	259292.	3.5	3.5	1.1619
66	61.00	17	96292.	1.3	1.3	0.4315
67	60.00	6	300.	0.0	0.0	0.0013
68	59.00	12	26192.	0.4	0.4	0.1174
69	58.00	35	389320.	5.2	5.2	1.7446*
70	57.00	29	173932.	2.3	2.3	0.7794*
71	56.00	14	16253.	0.2	0.2	0.0728*
72	55.00	8	10496.	0.1	0.1	0.0470*
73	54.00	10	4170.	0.1	0.1	0.0187
74	53.00	17	37003.	0.5	0.5	0.1662
75	52.00	21	243964.	3.3	3.3	1.0932*
76	51.00	29	769616.	10.3	10.3	3.4487*
77	50.00	25	624200.	8.4	8.4	2.7971*
78	49.00	17	40213.	0.5	0.5	0.1802*
79	45.00	10	4383.	0.1	0.1	0.0196
80	44.00	14	24099.	0.3	0.3	0.1080*
81	43.00	12	11551.	0.2	0.2	0.0518*
82	42.00	17	105430.	1.4	1.4	0.4727
83	41.00	17	69076.	0.9	0.9	0.3095
84	40.00	21	82504.	1.1	1.1	0.3697*
85	39.00	21	588000.	7.9	7.9	2.6352
86	38.00	25	220976.	3.0	3.0	0.9902
87	37.00	17	97160.	1.3	1.3	0.4354*
88	36.00	17	46662.	0.6	0.6	0.2091
89	35.00	12	3006.	0.0	0.0	0.0135

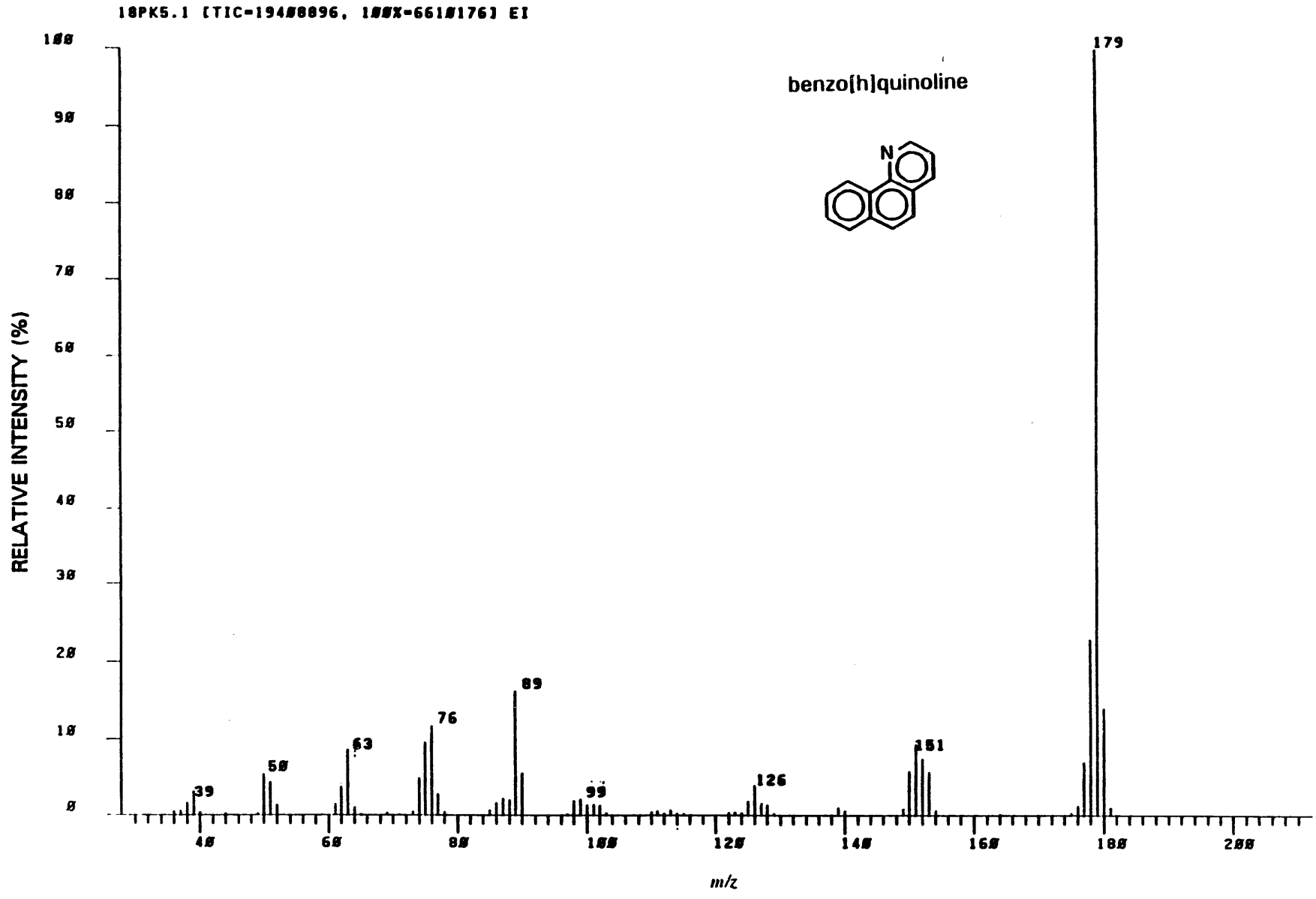

18PK3.1 [TIC=20303872, 100%=6261760] EI
2,6-dimethylquinoline
CH3
N
CH3
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
157
115
142
39
51
63
77
89
128
40
60
80
100
120
140
160
180
200
m/z

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	207.00	6	650.	0.0	0.0	0.0032
2	181.00	8	963.	0.0	0.0	0.0047
3	169.00	8	397.	0.0	0.0	0.0020
4	159.00	14	40170.	0.6	0.6	0.1970
5	158.00	35	703152.	11.2	11.2	3.4631*
6	157.00	59	6261760.	100.0	100.0	*30.84*
7	156.00	59	2330600.	37.3	37.3	*11.61*
8	155.00	59	299072.	4.8	4.8	1.4769*
9	154.00	21	216144.	3.5	3.5	1.0645*
10	153.00	17	31794.	0.5	0.5	0.1566*
11	152.00	10	10764.	0.2	0.2	0.0530*
12	144.00	8	2340.	0.0	0.0	0.0116
13	143.00	14	69200.	1.1	1.1	0.3408
14	142.00	21	637216.	10.2	10.2	3.1384*
15	141.00	17	196556.	3.1	3.1	0.9681*
16	140.00	17	205956.	3.3	3.3	1.0144
17	139.00	8	9706.	0.2	0.2	0.0478
18	132.00	8	2949.	0.0	0.0	0.0145
19	131.00	17	83720.	1.3	1.3	0.4123
20	130.00	21	187172.	3.0	3.0	0.9219*
21	129.00	21	177272.	2.8	2.8	0.8731*
22	128.00	29	300736.	4.9	4.9	1.5206*
23	127.00	21	207748.	3.3	3.3	1.0232*
24	126.00	17	44430.	0.7	0.7	0.2188
25	125.00	8	2261.	0.0	0.0	0.0111
26	119.00	10	5356.	0.1	0.1	0.0264
27	118.00	10	9435.	0.2	0.2	0.0465
28	117.00	17	55407.	0.9	0.9	0.2729
29	116.00	17	294848.	4.7	4.7	1.4522
30	115.00	25	738544.	11.7	11.7	3.6981*
31	114.00	17	132924.	2.1	2.1	0.6547
32	113.00	17	86948.	1.4	1.4	0.4282
33	112.00	6	4431.	0.1	0.1	0.0218
34	111.00	8	5839.	0.1	0.1	0.0288
35	110.00	10	3742.	0.1	0.1	0.0184
36	107.00	8	1146.	0.0	0.0	0.0056
37	106.00	10	3410.	0.1	0.1	0.0160*
38	105.00	10	5602.	0.1	0.1	0.0276
39	104.00	14	51630.	0.8	0.8	0.2543
40	103.00	17	109044.	1.7	1.7	0.5371
41	102.00	17	110952.	1.8	1.8	0.5465
42	101.00	17	63735.	1.0	1.0	0.3139
43	100.00	12	29666.	0.5	0.5	0.1461
44	99.00	12	22449.	0.4	0.4	0.1106
45	98.00	12	23524.	0.4	0.4	0.1159
46	97.00	6	1206.	0.0	0.0	0.0059
47	93.00	6	1024.	0.0	0.0	0.0050
48	92.00	10	2662.	0.0	0.0	0.0131
49	91.00	17	63444.	1.0	1.0	0.3125
50	90.00	17	82060.	1.3	1.3	0.4042
51	89.00	21	365440.	5.8	5.8	1.7999
52	88.00	17	96616.	1.5	1.5	0.4759
53	87.00	17	102116.	1.6	1.6	0.5029
54	86.00	17	60797.	1.0	1.0	0.2994
55	85.00	12	18544.	0.3	0.3	0.0913

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	84.00	8	979.	0.0	0.0	0.0048
57	79.00	21	176344.	2.8	2.8	0.8685*
58	78.00	35	438400.	7.0	7.0	2.1592*
59	77.00	35	473024.	7.6	7.6	2.3297*
60	76.00	29	174912.	2.8	2.8	0.8615*
61	75.00	21	175104.	2.8	2.8	0.8624*
62	74.00	17	140300.	2.2	2.2	0.6914
63	73.00	10	12703.	0.2	0.2	0.0630*
64	71.00	17	37534.	0.6	0.6	0.1849*
65	70.00	12	39920.	0.6	0.6	0.1966*
66	69.00	14	25603.	0.4	0.4	0.1260*
67	66.00	21	94152.	1.5	1.5	0.4637*
68	65.00	29	484016.	7.7	7.7	2.3870*
69	64.00	35	296336.	4.7	4.7	1.4595*
70	63.00	35	555520.	8.9	8.9	2.7360*
71	62.00	21	192252.	3.1	3.1	0.9469*
72	61.00	17	55290.	0.9	0.9	0.2723
73	60.00	6	7326.	0.1	0.1	0.0361
74	57.00	21	97060.	1.6	1.6	0.4781*
75	56.00	6	960.	0.0	0.0	0.0048
76	55.00	8	4011.	0.1	0.1	0.0198
77	54.00	10	14967.	0.2	0.2	0.0737
78	53.00	17	90704.	1.4	1.4	0.4471
79	52.00	21	219116.	3.5	3.5	1.0792*
80	51.00	25	547472.	8.7	8.7	2.6964*
81	50.00	21	295400.	4.7	4.7	1.4549
82	49.00	12	13336.	0.2	0.2	0.0657
83	44.00	10	23810.	0.4	0.4	0.1173
84	43.00	10	5547.	0.1	0.1	0.0273
85	42.00	17	92660.	1.5	1.5	0.4564
86	41.00	17	75392.	1.2	1.2	0.3713
87	40.00	21	70716.	1.1	1.1	0.3483*
88	39.00	21	562096.	9.0	9.0	2.7724
89	38.00	25	132640.	2.1	2.1	0.6533*
90	37.00	17	42794.	0.7	0.7	0.2100*
91	36.00	17	46790.	0.7	0.7	0.2305
92	35.00	8	2529.	0.0	0.0	0.0125

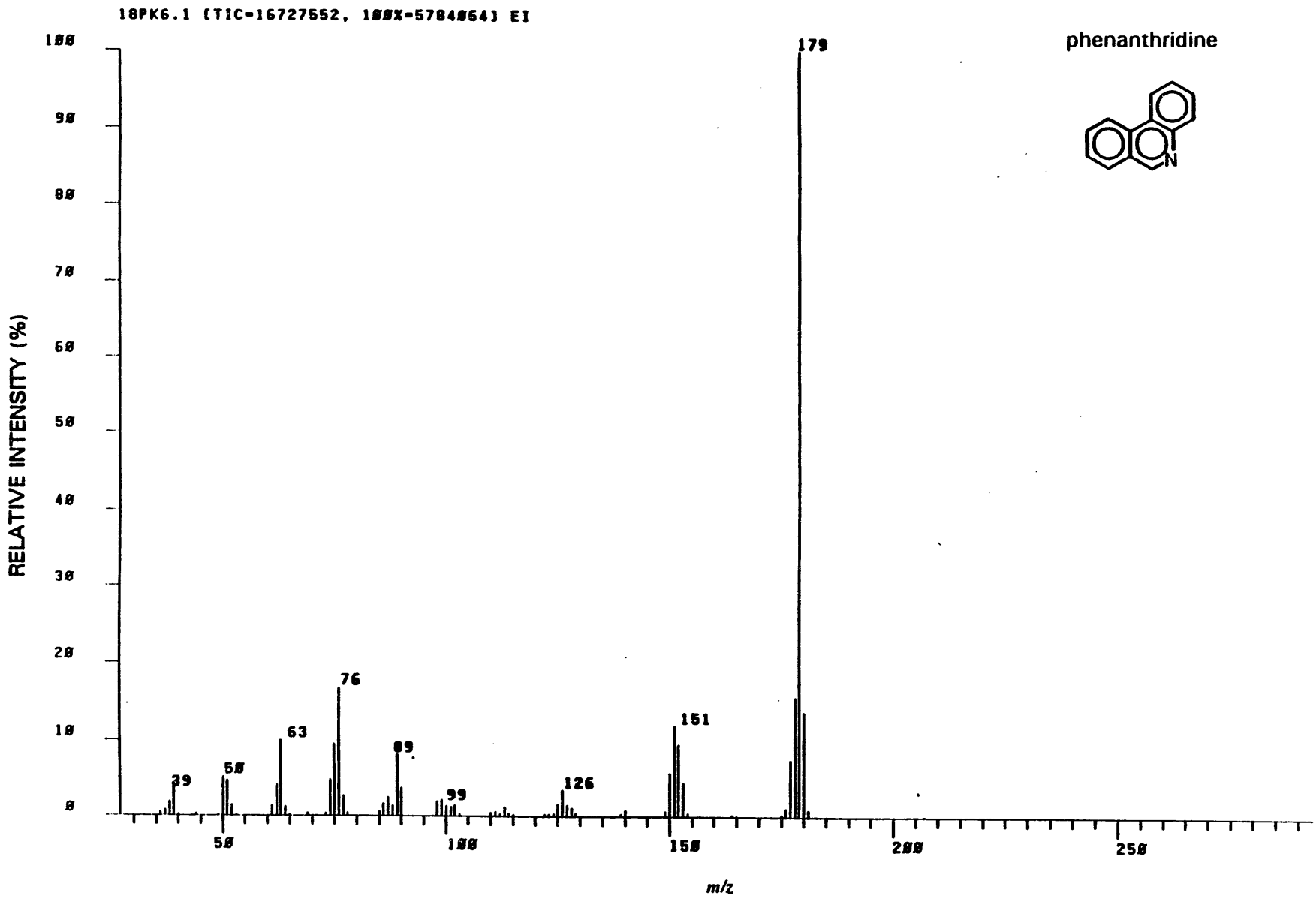

18PK5.1 [TIC=194#8896, 1##X-661#1761 EI
benzo[h]quinoline
RELATIVE INTENSITY (%)
m/z
179
151
126
99
89
76
63
58
39

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	208.00	6	395.	0.0	0.0	0.0020
2	207.00	8	9336.	0.1	0.1	0.0481
3	187.00	8	549.	0.0	0.0	0.0028
4	182.00	10	876.	0.0	0.0	0.0046
5	181.00	17	68752.	1.0	1.0	0.3542*
6	180.00	29	927504.	14.0	14.0	4.7792*
7	179.00	59	6610176.	100.0	100.0	*34.05*
8	178.00	43	1511232.	22.9	22.9	7.7863*
9	177.00	51	462384.	7.0	7.0	2.3823*
10	176.00	21	84412.	1.3	1.3	0.4349*
11	175.00	12	23711.	0.4	0.4	0.1222
12	174.00	8	737.	0.0	0.0	0.0038
13	164.00	12	13292.	0.2	0.2	0.0685
14	155.00	10	1467.	0.0	0.0	0.0076
15	154.00	12	49104.	0.7	0.7	0.2530
16	153.00	17	383440.	5.8	5.8	1.9756
17	152.00	21	495600.	7.5	7.5	2.5535*
18	151.00	25	618304.	9.4	9.4	3.1861*
19	150.00	25	385920.	5.8	5.8	1.9884*
20	149.00	21	58930.	0.9	0.9	0.3036*
21	147.00	8	1627.	0.0	0.0	0.0084
22	141.00	6	1712.	0.0	0.0	0.0088
23	140.00	14	42553.	0.6	0.6	0.2192
24	139.00	17	68476.	1.0	1.0	0.3528
25	138.00	8	6154.	0.1	0.1	0.0317
26	137.00	10	8848.	0.1	0.1	0.0456
27	135.00	8	1057.	0.0	0.0	0.0054
28	134.00	6	803.	0.0	0.0	0.0041
29	131.00	12	1435.	0.0	0.0	0.0074
30	130.00	14	1431.	0.0	0.0	0.0074*
31	129.00	14	19490.	0.3	0.3	0.1004*
32	128.00	21	91984.	1.4	1.4	0.4739*
33	127.00	17	103216.	1.6	1.6	0.5318*
34	126.00	17	267648.	4.0	4.0	1.3790
35	125.00	17	121500.	1.8	1.8	0.6265
36	124.00	12	26573.	0.4	0.4	0.1369
37	123.00	12	28560.	0.4	0.4	0.1471
38	122.00	12	26752.	0.4	0.4	0.1378
39	121.00	8	3520.	0.1	0.1	0.0181
40	119.00	10	4396.	0.1	0.1	0.0226
41	116.00	6	812.	0.0	0.0	0.0042
42	115.00	10	22004.	0.3	0.3	0.1138
43	114.00	10	17264.	0.3	0.3	0.0889
44	113.00	17	45090.	0.7	0.7	0.2324
45	112.00	12	18004.	0.3	0.3	0.0928
46	111.00	12	41890.	0.6	0.6	0.2160
47	110.00	12	27892.	0.4	0.4	0.1437
48	109.00	8	3479.	0.1	0.1	0.0179
49	104.00	8	2020.	0.0	0.0	0.0104
50	103.00	10	22641.	0.3	0.3	0.1167
51	102.00	17	87300.	1.3	1.3	0.4498
52	101.00	17	96952.	1.5	1.6	0.4995
53	100.00	17	89200.	1.4	1.4	0.4600
54	99.00	17	136636.	2.1	2.1	0.7040
55	98.00	17	126984.	1.9	1.9	0.6543

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	97.00	8	13982.	0.2	0.2	0.0720
57	91.00	6	1453.	0.0	0.0	0.0075
58	90.00	25	370992.	5.6	5.6	1.9115*
59	89.00	43	1066240.	16.1	16.1	5.4936*
60	88.00	25	134892.	2.0	2.0	0.6950*
61	87.00	17	144972.	2.2	2.2	0.7469
62	86.00	17	104840.	1.6	1.6	0.5402
63	85.00	17	49036.	0.7	0.7	0.2626
64	79.00	8	4636.	0.1	0.1	0.0239
65	78.00	14	33363.	0.5	0.5	0.1719*
66	77.00	25	183980.	2.8	2.8	0.9634*
67	76.00	43	776520.	11.7	11.7	4.0009*
68	75.00	35	636816.	9.6	9.6	3.2811*
69	74.00	29	325024.	4.9	4.9	1.6746*
70	73.00	14	36022.	0.5	0.5	0.1804
71	71.00	10	5911.	0.1	0.1	0.0305
72	69.00	12	25269.	0.4	0.4	0.1302*
73	65.00	12	15247.	0.2	0.2	0.0786
74	64.00	21	69676.	1.1	1.1	0.3590*
75	63.00	35	567056.	8.6	8.6	2.9216*
76	62.00	29	247824.	3.7	3.7	1.2769*
77	61.00	21	95788.	1.4	1.4	0.4935*
78	60.00	6	1929.	0.0	0.0	0.0099
79	59.00	10	5475.	0.1	0.1	0.0282*
80	56.00	8	1282.	0.0	0.0	0.0066
81	53.00	10	9130.	0.1	0.1	0.0470
82	52.00	17	90256.	1.4	1.4	0.4650
83	51.00	21	287664.	4.4	4.4	1.4821
84	50.00	21	358256.	5.4	5.4	1.8458
85	49.00	12	21731.	0.3	0.3	0.1120*
86	44.00	10	19491.	0.3	0.3	0.1004
87	43.00	8	4371.	0.1	0.1	0.0225
88	41.00	10	5956.	0.1	0.1	0.0307
89	40.00	17	23719.	0.4	0.4	0.1222*
90	39.00	21	209472.	3.2	3.2	1.0793
91	38.00	25	107132.	1.6	1.6	0.5520*
92	37.00	17	42424.	0.6	0.6	0.2186
93	36.00	12	34059.	0.5	0.5	0.1755
94	35.00	6	2268.	0.0	0.0	0.0117


18PK6.1 [TIC=16727552, 100%=5784864] EI
phenanthridine
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
179
151
76
63
89
39
58
99
126
50
100
150
200
250
m/z

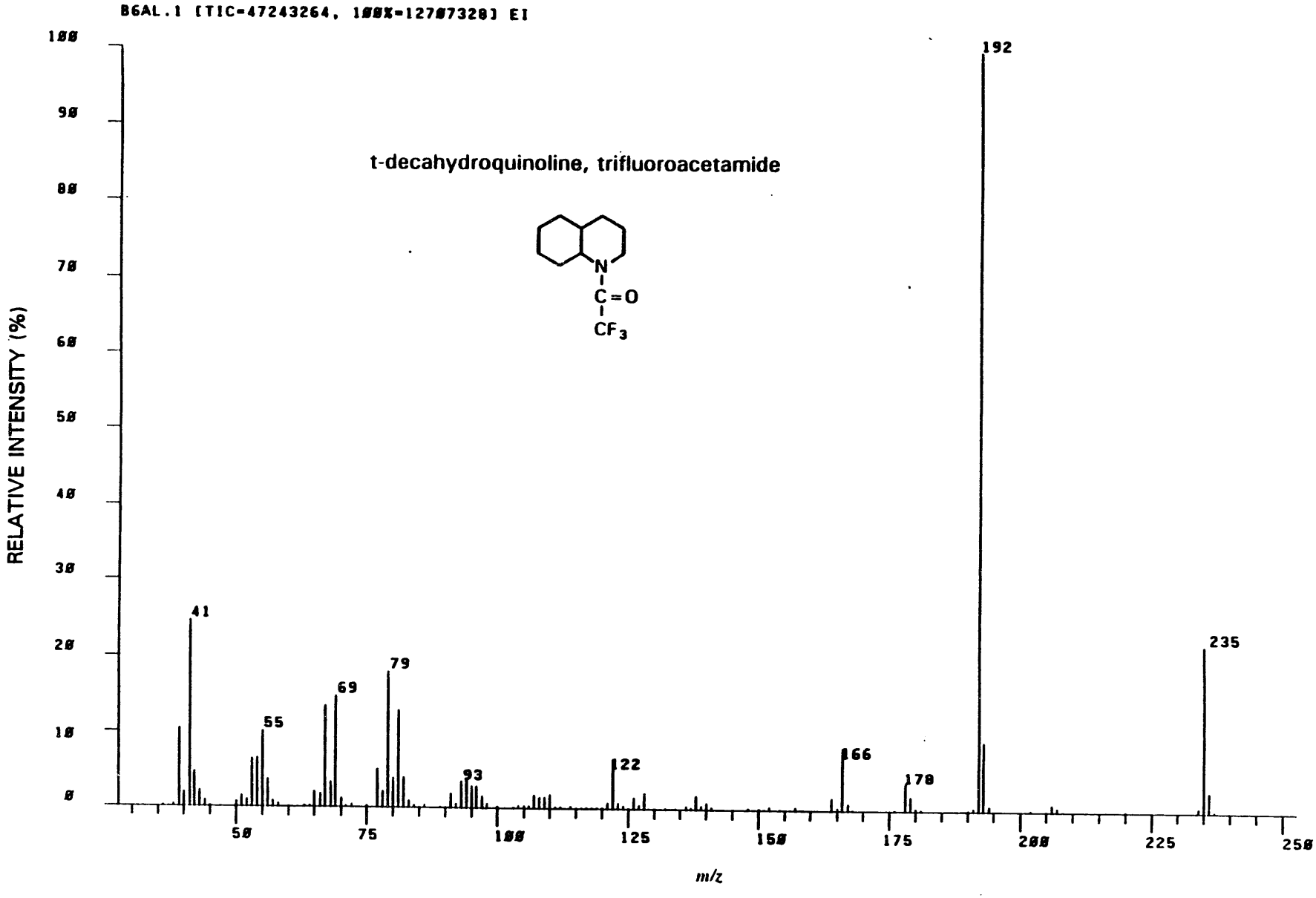
PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	281.00	6	2905.	0.1	0.1	0.0174
2	207.00	10	10003.	0.2	0.2	0.0646
3	191.00	8	618.	0.0	0.0	0.0037
4	181.00	17	53173.	0.9	0.9	0.3179
5	180.00	35	803962.	13.9	13.9	4.8062*
6	179.00	51	5702520.	100.0	100.0	*34.66*
7	178.00	43	913560.	15.8	15.8	5.4616*
8	177.00	43	430976.	7.5	7.5	2.5764*
9	176.00	14	67200.	1.2	1.2	0.4010*
10	175.00	10	22007.	0.4	0.4	0.1360
11	165.00	10	6504.	0.1	0.1	0.0394
12	164.00	10	17709.	0.3	0.3	0.1069
13	163.00	8	621.	0.0	0.0	0.0037
14	154.00	14	30470.	0.5	0.5	0.1822*
15	153.00	17	261120.	4.5	4.5	1.5611
16	152.00	21	551152.	9.5	9.5	3.2949*
17	151.00	25	693440.	12.0	12.0	4.1486*
18	150.00	25	336056.	5.8	5.8	2.0030*
19	149.00	17	45200.	0.8	0.8	0.2703*
20	146.00	6	813.	0.0	0.0	0.0049
21	141.00	8	4652.	0.1	0.1	0.0278
22	140.00	12	51320.	0.9	0.9	0.3068
23	139.00	10	21625.	0.4	0.4	0.1293
24	138.00	8	8244.	0.1	0.1	0.0493
25	137.00	8	7607.	0.1	0.1	0.0460
26	133.00	6	1046.	0.0	0.0	0.0063
27	131.00	6	942.	0.0	0.0	0.0056
28	130.00	8	2332.	0.0	0.0	0.0139
29	129.00	17	29363.	0.5	0.5	0.1755*
30	128.00	21	66176.	1.1	1.1	0.3956*
31	127.00	17	91544.	1.6	1.6	0.5473
32	126.00	17	201660.	3.5	3.6	1.2056
33	125.00	17	98668.	1.7	1.7	0.5899
34	124.00	10	27399.	0.5	0.5	0.1638
35	123.00	12	22641.	0.4	0.4	0.1354
36	122.00	10	22410.	0.4	0.4	0.1340
37	121.00	6	1275.	0.0	0.0	0.0076
38	119.00	8	712.	0.0	0.0	0.0043
39	116.00	8	1270.	0.0	0.0	0.0076
40	115.00	10	14705.	0.3	0.3	0.0004
41	114.00	12	24302.	0.4	0.4	0.1450
42	113.00	17	72524.	1.3	1.3	0.4336
43	112.00	8	21273.	0.4	0.4	0.1272
44	111.00	14	42927.	0.7	0.7	0.2566
45	110.00	12	30973.	0.5	0.5	0.1852
46	109.00	8	4011.	0.1	0.1	0.0240
47	104.00	6	524.	0.0	0.0	0.0031
48	103.00	10	22342.	0.4	0.4	0.1336
49	102.00	17	80456.	1.5	1.5	0.5200
50	101.00	17	76500.	1.3	1.3	0.4579
51	100.00	17	84836.	1.5	1.5	0.5072
52	99.00	17	128652.	2.2	2.2	0.7691
53	98.00	17	118260.	2.0	2.0	0.7070
54	97.00	8	7122.	0.1	0.1	0.0426
55	90.00	25	216964.	3.8	3.8	1.2970*

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	89.00	35	466304.	8.1	8.1	2.7876*
57	88.00	25	85512.	1.5	1.5	0.5112*
58	87.00	17	147272.	2.5	2.5	0.8804
59	86.00	17	101056.	1.7	1.7	0.6041
60	85.00	17	39003.	0.7	0.7	0.2332
61	84.00	6	603.	0.0	0.0	0.0041
62	79.00	6	1026.	0.0	0.0	0.0061
63	78.00	14	30345.	0.5	0.5	0.1814
64	77.00	25	154800.	2.7	2.7	0.9259*
65	76.00	35	971600.	16.0	16.0	5.8089*
66	75.00	35	551960.	9.5	9.5	3.2998*
67	74.00	25	282032.	4.9	4.9	1.6900*
68	73.00	17	28300.	0.5	0.5	0.1692*
69	71.00	8	7030.	0.1	0.1	0.0420
70	69.00	10	25444.	0.4	0.4	0.1521*
71	66.00	6	1016.	0.0	0.0	0.0061
72	65.00	12	17309.	0.3	0.3	0.1036*
73	64.00	21	76544.	1.3	1.3	0.4576*
74	63.00	29	577392.	10.0	10.0	3.4517*
75	62.00	29	241136.	4.2	4.2	1.4415*
76	61.00	21	82324.	1.4	1.4	0.4921*
77	60.00	6	1100.	0.0	0.0	0.0066
78	59.00	6	970.	0.0	0.0	0.0058
79	57.00	6	762.	0.0	0.0	0.0046
80	56.00	6	960.	0.0	0.0	0.0058
81	55.00	8	2159.	0.0	0.0	0.0129
82	53.00	10	9277.	0.2	0.2	0.0555
83	52.00	17	90500.	1.6	1.6	0.5411
84	51.00	21	273000.	4.7	4.7	1.6326
85	50.00	21	301616.	5.2	5.2	1.8031
86	49.00	8	15753.	0.3	0.3	0.0942
87	44.00	12	20653.	0.4	0.4	0.1235
88	43.00	12	4644.	0.1	0.1	0.0278
89	41.00	6	1244.	0.0	0.0	0.0074
90	40.00	12	16337.	0.3	0.3	0.0977*
91	39.00	21	249416.	4.3	4.3	1.4910
92	38.00	21	112516.	1.9	1.9	0.6726*
93	37.00	17	52003.	0.9	0.9	0.3114
94	36.00	17	37371.	0.6	0.6	0.2234
95	35.00	10	1467.	0.0	0.0	0.0087

Basic Secondary Amines


B6AL.1 [TIC=47243264, 100%=12787328] EI
t-decahydroquinoline, trifluoroacetamide
N
C=O
CF3
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
192
235
41
55
69
79
93
122
166
178
50
75
100
125
150
175
200
225
250
m/z

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	242.00	6	387.	0.0	0.0	0.0000
2	241.00	6	607.	0.0	0.0	0.0013
3	238.00	6	1125.	0.0	0.0	0.0024
4	237.00	12	34598.	0.3	0.3	0.0732
5	236.00	25	348144.	2.7	2.7	0.7369
6	235.00	43	2790848.	22.0	22.0	5.9074*
7	234.00	25	89100.	0.7	0.7	0.1886*
8	233.00	8	1003.	0.0	0.0	0.0023
9	232.00	8	5571.	0.0	0.0	0.0118
10	231.00	10	8366.	0.1	0.1	0.0177
11	228.00	6	1690.	0.0	0.0	0.0036
12	221.00	10	5266.	0.0	0.0	0.0110
13	220.00	14	27652.	0.2	0.2	0.0585
14	218.00	8	2703.	0.0	0.0	0.0059
15	217.00	8	1624.	0.0	0.0	0.0034
16	216.00	6	2053.	0.0	0.0	0.0043
17	215.00	14	9265.	0.1	0.1	0.0196
18	214.00	6	1315.	0.0	0.0	0.0028
19	208.00	10	5079.	0.0	0.0	0.0108
20	207.00	14	69560.	0.5	0.5	0.1472
21	206.00	17	119176.	0.9	0.9	0.2523*
22	205.00	12	14366.	0.1	0.1	0.0304
23	204.00	8	4569.	0.0	0.0	0.0097
24	203.00	10	4423.	0.0	0.0	0.0094*
25	202.00	14	36650.	0.3	0.3	0.0776
26	196.00	6	449.	0.0	0.0	0.0010
27	195.00	12	8905.	0.1	0.1	0.0188*
28	194.00	25	93220.	0.7	0.7	0.1973*
29	193.00	35	1165632.	9.2	9.2	2.4673*
30	192.00	71	12707320.	100.0	100.0	*26.89*
31	191.00	25	62317.	0.5	0.5	0.1319*
32	190.00	17	20162.	0.2	0.2	0.0596*
33	189.00	8	4256.	0.0	0.0	0.0090
34	188.00	10	8401.	0.1	0.1	0.0178
35	187.00	6	1221.	0.0	0.0	0.0026
36	181.00	14	31864.	0.3	0.3	0.0674*
37	180.00	17	52613.	0.4	0.4	0.1114*
38	179.00	17	237224.	1.9	1.9	0.5021*
39	178.00	21	473664.	3.7	3.7	1.0026*
40	177.00	14	18252.	0.1	0.1	0.0386*
41	176.00	10	22297.	0.2	0.2	0.0472
42	174.00	10	8859.	0.1	0.1	0.0188
43	172.00	8	4221.	0.0	0.0	0.0089
44	169.00	8	1670.	0.0	0.0	0.0035
45	168.00	10	21301.	0.2	0.2	0.0451
46	167.00	25	122060.	1.0	1.0	0.2584*
47	166.00	29	1062720.	8.4	8.4	2.2495*
48	165.00	21	47535.	0.4	0.4	0.1006*
49	164.00	21	207136.	1.6	1.6	0.4384*
50	163.00	10	6689.	0.1	0.1	0.0142
51	162.00	8	2895.	0.0	0.0	0.0061
52	161.00	12	3992.	0.0	0.0	0.0084
53	160.00	10	2194.	0.0	0.0	0.0046
54	159.00	12	3808.	0.0	0.0	0.0081*
55	158.00	17	15743.	0.1	0.1	0.0333*

PAGE 2

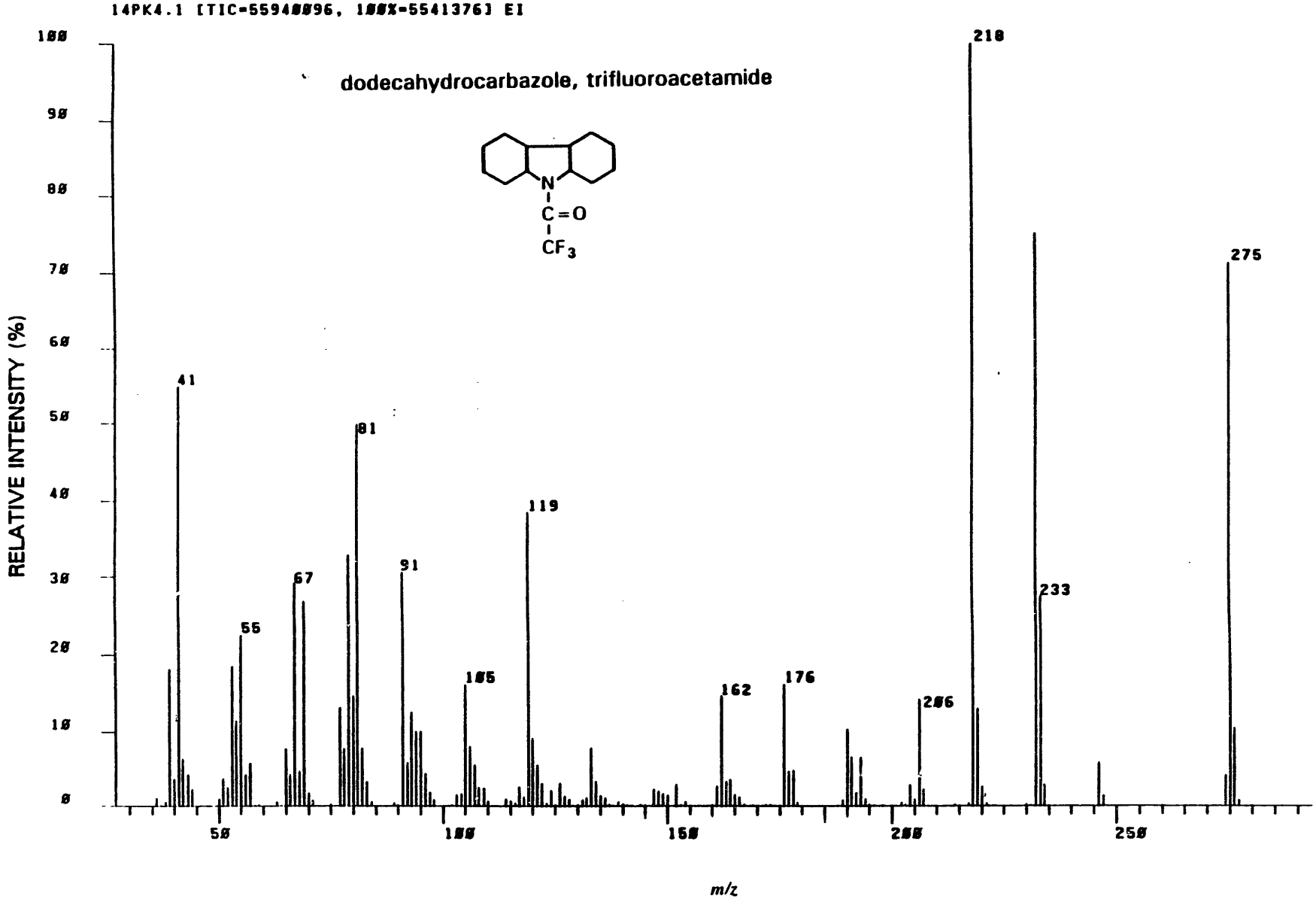
PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	157.00	43	54668.	0.4	0.4	0.1157*
57	156.00	10	10256.	0.1	0.1	0.0217*
58	154.00	12	28167.	0.2	0.2	0.0596
59	153.00	10	16421.	0.1	0.1	0.0348
60	152.00	14	56642.	0.4	0.4	0.1199
61	151.00	12	10777.	0.1	0.1	0.0228
62	150.00	12	30477.	0.2	0.2	0.0645*
63	149.00	12	13625.	0.1	0.1	0.0288
64	148.00	17	41137.	0.3	0.3	0.0871
65	147.00	6	3211.	0.0	0.0	0.0068
66	146.00	12	8442.	0.1	0.1	0.0179
67	145.00	8	1254.	0.0	0.0	0.0027
68	144.00	6	3803.	0.0	0.0	0.0080
69	143.00	10	3678.	0.0	0.0	0.0078
70	142.00	12	8351.	0.1	0.1	0.0177*
71	141.00	14	44179.	0.3	0.3	0.0935
72	140.00	17	106144.	0.8	0.8	0.2247
73	139.00	21	66300.	0.5	0.5	0.1404
74	138.00	21	224444.	1.8	1.8	0.4751
75	137.00	17	39787.	0.3	0.3	0.0842
76	136.00	17	58016.	0.5	0.5	0.1228
77	135.00	8	6675.	0.1	0.1	0.0141
78	134.00	12	13511.	0.1	0.1	0.0286
79	133.00	6	1226.	0.0	0.0	0.0026
80	132.00	14	21110.	0.2	0.2	0.0447
81	131.00	8	7575.	0.1	0.1	0.0160
82	130.00	10	14934.	0.1	0.1	0.0316
83	129.00	10	19987.	0.2	0.2	0.0423
84	128.00	21	267120.	2.1	2.1	0.5654*
85	127.00	17	70984.	0.6	0.6	0.1503
86	126.00	21	194576.	1.5	1.5	0.4119*
87	125.00	10	12451.	0.1	0.1	0.0264
88	124.00	17	62445.	0.5	0.5	0.1322
89	123.00	21	99552.	0.8	0.8	0.2107*
90	122.00	29	815632.	6.4	6.4	1.7265*
91	121.00	21	111500.	0.9	0.9	0.2360*
92	120.00	10	21486.	0.2	0.2	0.0455
93	119.00	17	31267.	0.2	0.2	0.0662
94	118.00	17	28597.	0.2	0.2	0.0605*
95	117.00	17	29887.	0.2	0.2	0.0633*
96	116.00	12	22886.	0.2	0.2	0.0484
97	115.00	12	10891.	0.1	0.1	0.0231*
98	114.00	17	51290.	0.4	0.4	0.1086
99	113.00	8	3675.	0.0	0.0	0.0078
100	112.00	17	41616.	0.3	0.3	0.0879
101	111.00	17	34694.	0.3	0.3	0.0734*
102	110.00	25	238620.	1.9	1.9	0.5051*
103	109.00	25	192148.	1.5	1.5	0.4067*
104	108.00	21	191796.	1.5	1.5	0.4060
105	107.00	21	228900.	1.8	1.8	0.4847*
106	106.00	17	44788.	0.4	0.4	0.0948
107	105.00	17	42686.	0.3	0.3	0.0904
108	104.00	14	46629.	0.4	0.4	0.0987
109	103.00	12	24755.	0.2	0.2	0.0524
110	102.00	8	4251.	0.0	0.0	0.0090

PAGE 3

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	101.00	10	4220.	0.0	0.0	0.0089
112	100.00	14	32240.	0.3	0.3	0.0682
113	99.00	8	2398.	0.0	0.0	0.0051
114	98.00	21	81352.	0.6	0.6	0.1722*
115	97.00	25	203332.	1.6	1.6	0.4304*
116	96.00	35	374992.	3.0	3.0	0.7937*
117	95.00	25	375072.	3.0	3.0	0.7939*
118	94.00	25	458720.	3.6	3.6	0.9710*
119	93.00	25	464464.	3.7	3.7	0.9831*
120	92.00	17	85540.	0.7	0.7	0.1811
121	91.00	25	246264.	1.9	1.9	0.5213*
122	90.00	17	15745.	0.1	0.1	0.0333*
123	89.00	17	22859.	0.2	0.2	0.0484*
124	88.00	6	1389.	0.0	0.0	0.0029
125	87.00	8	2898.	0.0	0.0	0.0061
126	86.00	17	58039.	0.5	0.5	0.1245
127	85.00	14	19043.	0.2	0.2	0.0420*
128	84.00	17	50861.	0.4	0.4	0.1077
129	83.00	17	115236.	0.9	0.9	0.2439
130	82.00	25	522464.	4.1	4.1	1.1059
131	81.00	43	1641152.	12.9	12.9	3.4738*
132	80.00	29	525104.	4.1	4.1	1.1115*
133	79.00	43	2280256.	17.9	17.9	4.8266*
134	78.00	35	275200.	2.2	2.2	0.5827*
135	77.00	43	662304.	5.2	5.2	1.4019*
136	76.00	10	15087.	0.1	0.1	0.0319
137	75.00	21	40226.	0.3	0.3	0.0851*
138	74.00	12	8255.	0.1	0.1	0.0175*
139	73.00	10	11512.	0.1	0.1	0.0244
140	72.00	17	61414.	0.5	0.5	0.1300*
141	71.00	17	41980.	0.3	0.3	0.0889
142	70.00	25	154584.	1.2	1.2	0.3272
143	69.00	51	1870144.	14.7	14.7	3.9585*
144	68.00	29	433776.	3.4	3.4	0.9182*
145	67.00	43	1698944.	13.4	13.4	3.5962*
146	66.00	25	240536.	1.9	1.9	0.5091*
147	65.00	21	266864.	2.1	2.1	0.5649*
148	64.00	17	34046.	0.3	0.3	0.0721*
149	63.00	21	40933.	0.3	0.3	0.0866*
150	62.00	10	2592.	0.0	0.0	0.0055
151	61.00	10	7846.	0.1	0.1	0.0166
152	60.00	10	14278.	0.1	0.1	0.0302
153	59.00	10	14710.	0.1	0.1	0.0311
154	58.00	17	73396.	0.6	0.6	0.1554
155	57.00	21	108872.	0.9	0.9	0.2288
156	56.00	29	486272.	3.8	3.8	1.0293
157	55.00	29	1276736.	10.0	10.0	2.7025*
158	54.00	29	851040.	6.7	6.7	1.8031*
159	53.00	29	824920.	6.5	6.5	1.7461*
160	52.00	21	131272.	1.0	1.0	0.2779
161	51.00	25	200696.	1.6	1.6	0.4248*
162	50.00	17	91808.	0.7	0.7	0.1943*
163	48.00	12	7855.	0.1	0.1	0.0166*
164	47.00	10	11617.	0.1	0.1	0.0246*
165	46.00	6	4492.	0.0	0.0	0.0095

PAGE 4

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
166	45.00	17	26978.	0.2	0.2	0.0571*
167	44.00	29	125140.	1.0	1.0	0.2649*
168	43.00	29	276264.	2.2	2.2	0.5827*
169	42.00	29	600160.	4.8	4.8	1.2873*
170	41.00	43	3120576.	24.6	24.6	6.6053*
171	40.00	25	261132.	2.1	2.1	0.5527*
172	39.00	35	1320512.	10.4	10.4	2.7951*
173	38.00	21	45999.	0.4	0.4	0.0974*
174	37.00	10	16095.	0.1	0.1	0.0341*
175	36.00	14	37897.	0.3	0.3	0.0802*
176	35.00	10	3771.	0.0	0.0	0.0080*


14PK4.1 [TIC=5594##96, 1##X=5541376] EI
dodecahydrocarbazole, trifluoroacetamide
N
C=O
CF3
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
50
100
150
200
250
m/z
41
55
67
81
91
105
119
162
176
206
218
233
275

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	281.00	8	2570.	0.0	0.0	0.0046
2	277.00	12	49706.	0.9	0.9	0.0898*
3	276.00	21	577400.	10.4	10.4	1.0322*
4	275.00	35	3946400.	71.2	71.2	7.0529*
5	274.00	21	238752.	4.3	4.3	0.4268*
6	273.00	12	6759.	0.1	0.1	0.0121
7	272.00	12	2137.	0.0	0.0	0.0038
8	260.00	10	6030.	0.1	0.1	0.0108
9	258.00	6	981.	0.0	0.0	0.0018
10	257.00	8	3261.	0.1	0.1	0.0058
11	256.00	8	7788.	0.1	0.1	0.0139
12	248.00	6	1283.	0.0	0.0	0.0023
13	247.00	12	81948.	1.5	1.5	0.1465
14	246.00	17	329128.	5.9	5.9	0.5883
15	245.00	6	1373.	0.0	0.0	0.0025
16	244.00	6	743.	0.0	0.0	0.0013
17	235.00	8	6381.	0.1	0.1	0.0114
18	234.00	17	163040.	2.9	2.9	0.2916*
19	233.00	29	1520192.	27.4	27.4	2.7175*
20	232.00	35	4157760.	75.0	75.0	7.4326*
21	231.00	8	13742.	0.2	0.2	0.0246*
22	230.00	10	17552.	0.3	0.3	0.0314*
23	229.00	6	877.	0.0	0.0	0.0016
24	228.00	6	836.	0.0	0.0	0.0015
25	221.00	10	26739.	0.5	0.5	0.0478
26	220.00	17	150514.	2.7	2.7	0.2691
27	219.00	21	714932.	12.9	12.9	1.2781*
28	218.00	25	5541376.	100.0	100.0	9.9059*
29	217.00	10	26547.	0.5	0.5	0.0475*
30	216.00	8	8542.	0.2	0.2	0.0153
31	215.00	8	4661.	0.1	0.1	0.0083
32	214.00	8	15003.	0.3	0.3	0.0268
33	209.00	8	1365.	0.0	0.0	0.0024
34	208.00	8	4646.	0.1	0.1	0.0083
35	207.00	17	133304.	2.4	2.4	0.2383*
36	206.00	21	781232.	14.1	14.1	1.3966*
37	205.00	10	50822.	0.9	0.9	0.0909
38	204.00	17	157060.	2.8	2.8	0.2808
39	203.00	10	15814.	0.3	0.3	0.0283
40	202.00	10	31982.	0.6	0.6	0.0572
41	200.00	8	4825.	0.1	0.1	0.0086
42	199.00	6	788.	0.0	0.0	0.0014
43	198.00	8	11651.	0.2	0.2	0.0208*
44	197.00	8	2618.	0.0	0.0	0.0047
45	196.00	14	13789.	0.2	0.2	0.0246*
46	195.00	19	16863.	0.3	0.3	0.0301*
47	194.00	12	55847.	1.0	1.0	0.0998
48	193.00	17	365872.	6.6	6.6	0.6540
49	192.00	14	102936.	1.9	1.9	0.1840*
50	191.00	17	369728.	6.7	6.7	0.6609
51	190.00	17	568736.	10.3	10.3	1.0167
52	189.00	14	49069.	0.9	0.9	0.0877*
53	188.00	9	5608.	0.1	0.1	0.0100
54	187.00	8	2491.	0.0	0.0	0.0045
55	185.00	6	1013.	0.0	0.0	0.0018

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	184.00	8	1754.	0.0	0.0	0.0031
57	182.00	8	900.	0.0	0.0	0.0016
58	181.00	8	3146.	0.1	0.1	0.0056
59	180.00	8	4168.	0.1	0.1	0.0075
60	179.00	10	31827.	0.6	0.6	0.0569
61	178.00	21	267920.	4.8	4.8	0.4789*
62	177.00	17	265280.	4.8	4.8	0.4742
63	176.00	25	889312.	16.0	16.0	1.5898*
64	175.00	8	6718.	0.1	0.1	0.0120
65	174.00	8	5558.	0.1	0.1	0.0099
66	173.00	8	11786.	0.2	0.2	0.0211
67	172.00	8	9683.	0.2	0.2	0.0173
68	169.00	10	8848.	0.2	0.2	0.0158
69	168.00	8	3052.	0.1	0.1	0.0055
70	167.00	8	18247.	0.3	0.3	0.0326
71	166.00	14	68748.	1.2	1.2	0.1229
72	165.00	17	89916.	1.6	1.6	0.1607
73	164.00	21	200800.	3.6	3.6	0.3590
74	163.00	21	183940.	3.3	3.3	0.3288
75	162.00	21	807236.	14.6	14.6	1.4431
76	161.00	17	149448.	2.7	2.7	0.2654*
77	160.00	8	11539.	0.2	0.2	0.0206
78	159.00	8	4388.	0.1	0.1	0.0078
79	158.00	8	1993.	0.0	0.0	0.0036
80	157.00	6	4991.	0.1	0.1	0.0089
81	155.00	6	1036.	0.0	0.0	0.0019
82	154.00	10	36968.	0.7	0.7	0.0661
83	153.00	10	11572.	0.2	0.2	0.0207
84	152.00	17	162076.	2.9	2.9	0.2897
85	151.00	6	4735.	0.1	0.1	0.0085
86	150.00	14	81196.	1.5	1.5	0.1451
87	149.00	17	96624.	1.7	1.7	0.1727
88	148.00	17	114424.	2.1	2.1	0.2045
89	147.00	14	125508.	2.3	2.3	0.2245
90	146.00	8	6256.	0.1	0.1	0.0112
91	145.00	8	11603.	0.2	0.2	0.0207
92	144.00	8	11368.	0.2	0.2	0.0203
93	143.00	8	2364.	0.0	0.0	0.0042
94	142.00	8	4606.	0.1	0.1	0.0082
95	141.00	8	9374.	0.2	0.2	0.0168
96	140.00	10	22233.	0.4	0.4	0.0397
97	139.00	10	36358.	0.7	0.7	0.0650*
98	138.00	8	8816.	0.2	0.2	0.0158
99	137.00	12	15263.	0.3	0.3	0.0273
100	136.00	17	61296.	1.1	1.1	0.1096
101	135.00	14	80448.	1.5	1.5	0.1438
102	134.00	17	185552.	3.3	3.3	0.3317
103	133.00	21	436288.	7.9	7.9	0.7799
104	132.00	14	68768.	1.2	1.2	0.1229
105	131.00	12	46079.	0.8	0.8	0.0824
106	130.00	8	12473.	0.2	0.2	0.0223
107	129.00	8	6755.	0.1	0.1	0.0121
108	128.00	12	48981.	0.9	0.9	0.0876
109	127.00	17	74832.	1.4	1.4	0.1338
110	126.00	17	173068.	3.1	3.1	0.3094

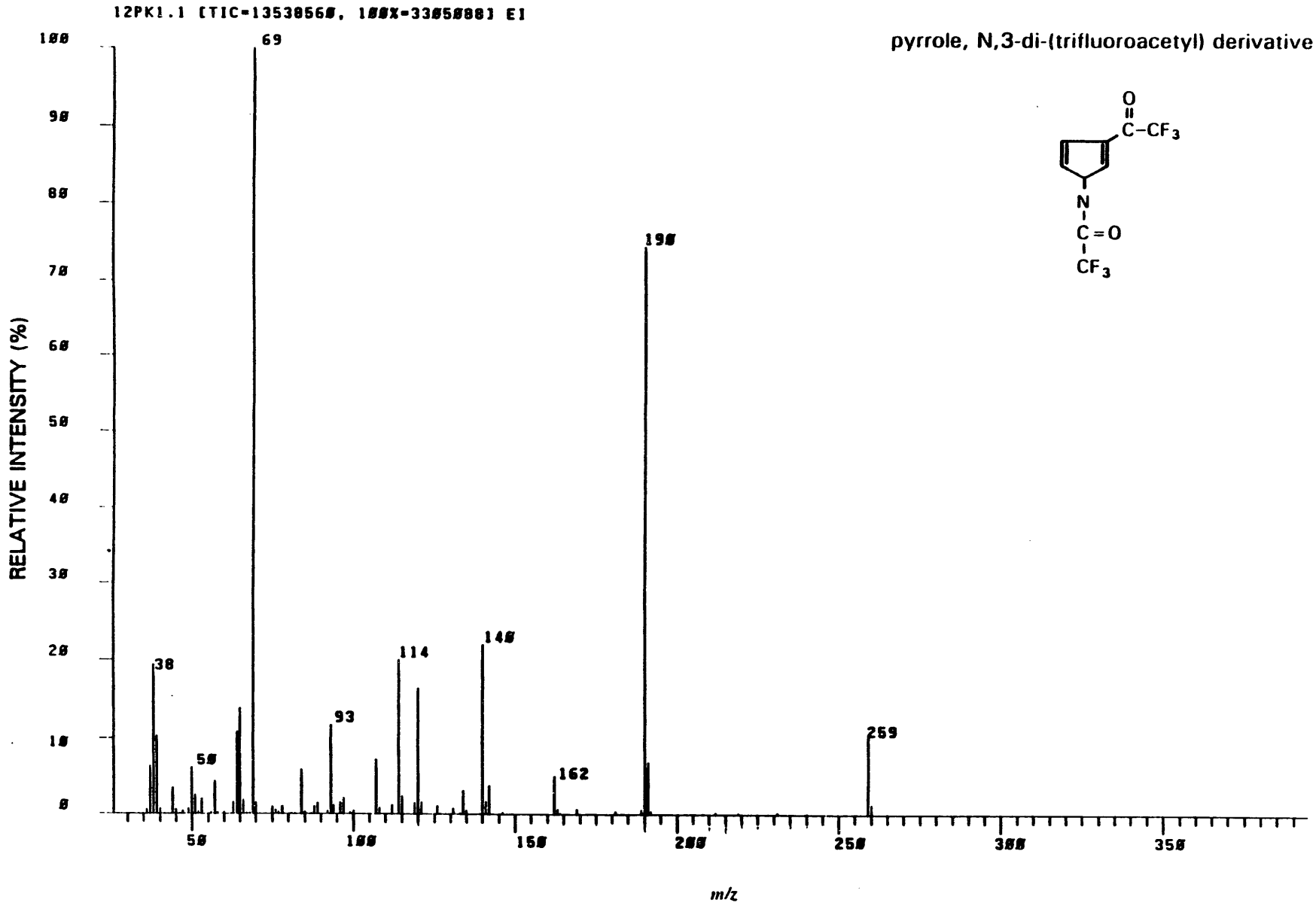
PAGE 3

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	125.00	10	10447.	0.2	0.2	0.0107
112	124.00	17	118940.	2.1	2.1	0.2126*
113	123.00	12	27443.	0.5	0.5	0.0491
114	122.00	17	173140.	3.1	3.1	0.3095
115	121.00	21	311984.	5.6	5.6	0.5577*
116	120.00	21	508304.	9.2	9.2	0.9087
117	119.00	29	2132160.	38.5	38.5	3.0116
118	118.00	14	70864.	1.3	1.3	0.1267
119	117.00	17	142940.	2.6	2.6	0.2555
120	116.00	10	25250.	0.5	0.5	0.0451*
121	115.00	10	38129.	0.7	0.7	0.0682
122	114.00	12	55846.	1.0	1.0	0.0998*
123	112.00	10	2801.	0.1	0.1	0.0050
124	111.00	8	2514.	0.0	0.0	0.0045
125	110.00	10	40872.	0.7	0.7	0.0731
126	109.00	17	137592.	2.5	2.5	0.2460*
127	108.00	17	138264.	2.5	2.5	0.2472
128	107.00	17	309344.	5.6	5.6	0.5530
129	106.00	21	447520.	8.1	8.1	0.0000
130	105.00	21	892384.	16.1	16.1	1.5952
131	104.00	17	96164.	1.7	1.7	0.1719
132	103.00	14	88844.	1.6	1.6	0.1588
133	102.00	10	10842.	0.2	0.2	0.0194
134	101.00	8	7738.	0.1	0.1	0.0138
135	99.00	8	2722.	0.0	0.0	0.0049
136	98.00	14	53230.	1.0	1.0	0.0952*
137	97.00	17	108652.	2.0	2.0	0.1942
138	96.00	25	245232.	4.4	4.4	0.4384*
139	95.00	21	542520.	9.8	9.8	0.9698
140	94.00	21	556400.	10.0	10.0	0.9946
141	93.00	21	694600.	12.5	12.5	1.2417
142	92.00	17	329024.	5.9	5.9	0.5882
143	91.00	5	1692672.	30.5	30.5	3.0259*
144	90.00	8	13251.	0.2	0.2	0.0237
145	89.00	10	24319.	0.4	0.4	0.0435
146	88.00	8	4141.	0.1	0.1	0.0074
147	85.00	6	4330.	0.1	0.1	0.0077
148	84.00	12	35785.	0.6	0.6	0.0640*
149	83.00	17	184732.	3.3	3.3	0.3302
150	82.00	21	435712.	7.9	7.9	0.7789
151	81.00	25	2763456.	49.9	49.9	4.9400*
152	80.00	21	813424.	14.7	14.7	1.4541*
153	79.00	25	1821312.	32.9	32.9	3.2558
154	78.00	21	435216.	7.9	7.9	0.7780
155	77.00	25	726304.	13.1	13.1	1.2984*
156	76.00	10	7814.	0.1	0.1	0.0140
157	75.00	8	16191.	0.3	0.3	0.0289
158	73.00	6	2442.	0.0	0.0	0.0044
159	72.00	6	698.	0.0	0.0	0.0012
160	71.00	14	47892.	0.9	0.9	0.0856*
161	70.00	17	98900.	1.8	1.8	0.1768*
162	69.00	25	1485888.	26.8	26.8	2.6562*
163	68.00	17	270464.	4.9	4.9	0.4835
164	67.00	21	1616896.	29.2	29.2	2.8904
165	66.00	21	247472.	4.5	4.5	0.4424

PAGE 4

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
166	65.00	21	430600.	7.8	7.8	0.7698
167	64.00	10	8570.	0.2	0.2	0.0153
168	63.00	10	32883.	0.6	0.6	0.0588*
169	61.00	6	1428.	0.0	0.0	0.0026
170	59.00	10	15977.	0.3	0.3	0.0286*
171	58.00	12	12665.	0.2	0.2	0.0226
172	57.00	25	322200.	5.8	5.8	0.5760
173	56.00	25	239720.	4.3	4.3	0.4286
174	55.00	25	1240384.	22.4	22.4	2.2173
175	54.00	21	639360.	11.5	11.5	1.1429
176	53.00	21	1025392.	18.5	18.5	1.8330
177	52.00	17	145472.	2.6	2.6	0.2600
178	51.00	21	210704.	3.8	3.8	0.3767
179	50.00	12	59141.	1.1	1.1	0.1057*
180	49.00	6	1127.	0.0	0.0	0.0020
181	47.00	8	4339.	0.1	0.1	0.0078
182	45.00	8	3281.	0.1	0.1	0.0059
183	44.00	21	129316.	2.3	2.3	0.2312*
184	43.00	25	242744.	4.4	4.4	0.4339
185	42.00	25	355568.	6.4	6.4	0.6356
186	41.00	25	3046400.	55.0	55.0	5.4458*
187	40.00	29	210724.	3.8	3.8	0.3767*
188	39.00	21	1006080.	18.2	18.2	1.7985
189	38.00	14	36674.	0.7	0.7	0.0656*
190	37.00	6	5792.	0.1	0.1	0.0104
191	36.00	14	59698.	1.1	1.1	0.1067*
192	35.00	8	2550.	0.0	0.0	0.0046

Acidic Secondary Aromatic Amines

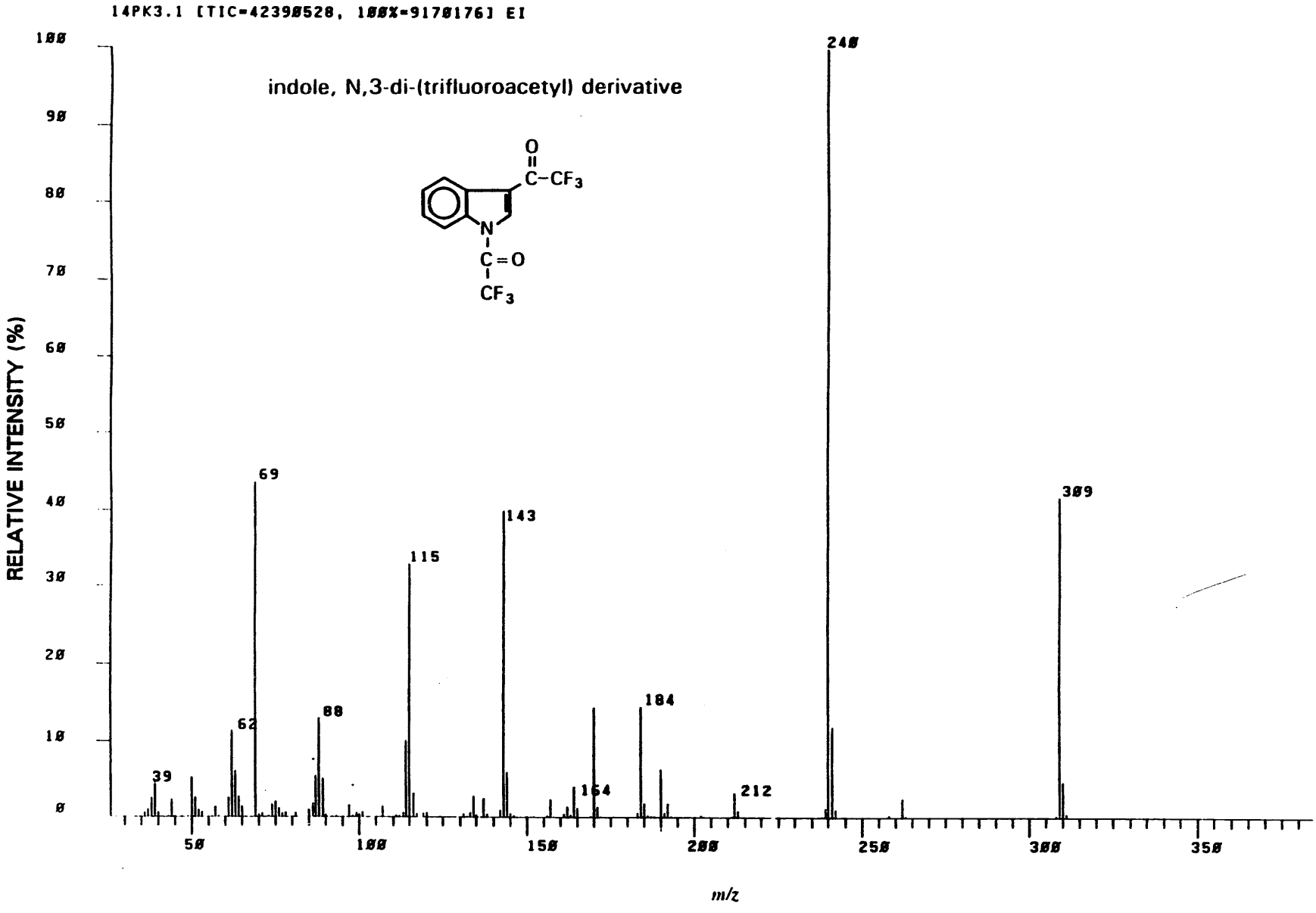

12PK1.1 [TIC=1353856#, 1##X=3385###] EI
pyrrole, N,3-di-(trifluoroacetyl) derivative
RELATIVE INTENSITY (%)
m/z
69
198
38
114
146
93
259
162
50
100
150
200
250
300
350

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	381.00	6	762.	0.0	0.0	0.0056
2	331.00	6	1304.	0.0	0.0	0.0096
3	281.00	8	2850.	0.1	0.1	0.0211
4	260.00	14	43948.	1.3	1.3	0.3246
5	259.00	17	343104.	10.4	10.4	2.5343*
6	243.00	6	624.	0.0	0.0	0.0046
7	240.00	10	4373.	0.1	0.1	0.0323
8	237.00	6	771.	0.0	0.0	0.0057
9	231.00	10	8395.	0.3	0.3	0.0620
10	219.00	8	8932.	0.3	0.3	0.0660
11	212.00	10	10299.	0.3	0.3	0.0761
12	208.00	10	5354.	0.2	0.2	0.0395
13	193.00	8	1423.	0.0	0.0	0.0105
14	192.00	10	17007.	0.5	0.5	0.1256
15	191.00	17	227000.	6.9	6.9	1.6832*
16	190.00	43	2460224.	74.4	74.4	*18.17*
17	189.00	14	22841.	0.7	0.7	0.1687*
18	188.00	8	1432.	0.0	0.0	0.0106
19	182.00	6	1191.	0.0	0.0	0.0088
20	181.00	10	14063.	0.4	0.4	0.1039
21	169.00	8	25126.	0.8	0.8	0.1856
22	164.00	10	7154.	0.2	0.2	0.0528
23	163.00	10	23940.	0.7	0.7	0.1768
24	162.00	17	168948.	5.1	5.1	1.2479
25	158.00	6	737.	0.0	0.0	0.0054
26	146.00	8	8595.	0.3	0.3	0.0635
27	143.00	8	1632.	0.0	0.0	0.0121
28	142.00	17	128324.	3.9	3.9	0.9478
29	141.00	17	56790.	1.7	1.7	0.4195*
30	140.00	25	727160.	22.0	22.0	5.3711*
31	139.00	10	3947.	0.1	0.1	0.0292*
32	135.00	10	18064.	0.5	0.5	0.1334
33	134.00	17	105976.	3.2	3.2	0.7020
34	133.00	10	7544.	0.2	0.2	0.0557*
35	132.00	8	1714.	0.1	0.1	0.0127
36	131.00	10	26155.	0.8	0.8	0.1932
37	127.00	8	4404.	0.1	0.1	0.0325
38	126.00	12	35713.	1.1	1.1	0.2638
39	122.00	6	3300.	0.1	0.1	0.0244
40	121.00	12	53350.	1.6	1.6	0.3941
41	120.00	21	543200.	16.4	16.4	4.0122
42	119.00	14	51879.	1.6	1.6	0.3832*
43	115.00	17	80536.	2.4	2.4	0.5949
44	114.00	21	660992.	20.0	20.0	4.8823*
45	113.00	6	1648.	0.0	0.0	0.0122
46	112.00	14	40198.	1.2	1.2	0.2969*
47	111.00	8	2746.	0.1	0.1	0.0203
48	108.00	12	28414.	0.9	0.9	0.2099
49	107.00	17	239552.	7.2	7.2	1.7694
50	103.00	8	1026.	0.0	0.0	0.0076
51	100.00	10	15802.	0.5	0.5	0.1167
52	99.00	10	9599.	0.3	0.3	0.0709
53	97.00	17	69368.	2.1	2.1	0.5124
54	96.00	14	52207.	1.6	1.6	0.3856*
55	94.00	12	39489.	1.2	1.2	0.2917

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	93.00	17	388096.	11.7	11.7	2.8666
57	92.00	12	16151.	0.5	0.5	0.1193*
58	89.00	12	47670.	1.4	1.4	0.3514*
59	88.00	10	34564.	1.0	1.0	0.2553
60	87.00	8	3229.	0.1	0.1	0.0239
61	86.00	6	1234.	0.0	0.0	0.0091
62	85.00	12	11133.	0.3	0.3	0.0822
63	84.00	17	197472.	6.0	6.0	1.4586*
64	83.00	10	1135.	0.0	0.0	0.0084
65	82.00	8	5165.	0.2	0.2	0.0382
66	81.00	10	6459.	0.2	0.2	0.0483
67	78.00	14	38030.	1.2	1.2	0.2809
68	77.00	8	13741.	0.4	0.4	0.1015
69	76.00	12	22101.	0.7	0.7	0.1638
70	75.00	12	35057.	1.1	1.1	0.2589
71	74.00	6	1154.	0.0	0.0	0.0085
72	71.00	10	5229.	0.2	0.2	0.0386
73	70.00	17	49690.	1.5	1.5	0.3671*
74	69.00	35	3305000.	100.0	100.0	*24.41*
75	68.00	10	10026.	0.3	0.3	0.0741*
76	67.00	10	6716.	0.2	0.2	0.0496
77	66.00	17	64075.	2.0	2.0	0.4792
78	65.00	21	460720.	13.9	13.9	3.4030
79	64.00	21	361696.	10.9	10.9	2.6716
80	63.00	17	54296.	1.6	1.6	0.4010
81	62.00	8	2984.	0.1	0.1	0.0220
82	60.00	10	9622.	0.3	0.3	0.0711*
83	58.00	10	10966.	0.3	0.3	0.0810*
84	57.00	17	140140.	4.2	4.2	1.0351
85	56.00	10	12053.	0.4	0.4	0.0890*
86	55.00	8	1661.	0.1	0.1	0.0123
87	54.00	6	1759.	0.1	0.1	0.0130
88	53.00	17	65580.	2.0	2.0	0.4844
89	52.00	10	15494.	0.5	0.5	0.1144
90	51.00	17	85892.	2.6	2.6	0.6344
91	50.00	21	204304.	6.2	6.2	1.5096
92	49.00	10	26450.	0.8	0.8	0.1954*
93	47.00	10	15564.	0.5	0.5	0.1150*
94	46.00	8	3304.	0.1	0.1	0.0244
95	45.00	12	20173.	0.6	0.6	0.1490*
96	44.00	17	116164.	3.5	3.5	0.8580
97	40.00	12	26411.	0.8	0.8	0.1951*
98	39.00	21	341000.	10.3	10.3	2.5180
99	38.00	25	641040.	19.4	19.4	4.7349*
100	37.00	21	212292.	6.4	6.4	1.5681
101	36.00	12	23747.	0.7	0.7	0.1754


14PK3.1 [TIC=42398528, 100%=9170176] EI
indole, N,3-di-(trifluoroacetyl) derivative
O
C–CF3
N
C=O
CF3
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
50
100
150
200
250
300
350
m/z
39
62
69
88
115
143
164
184
212
240
309

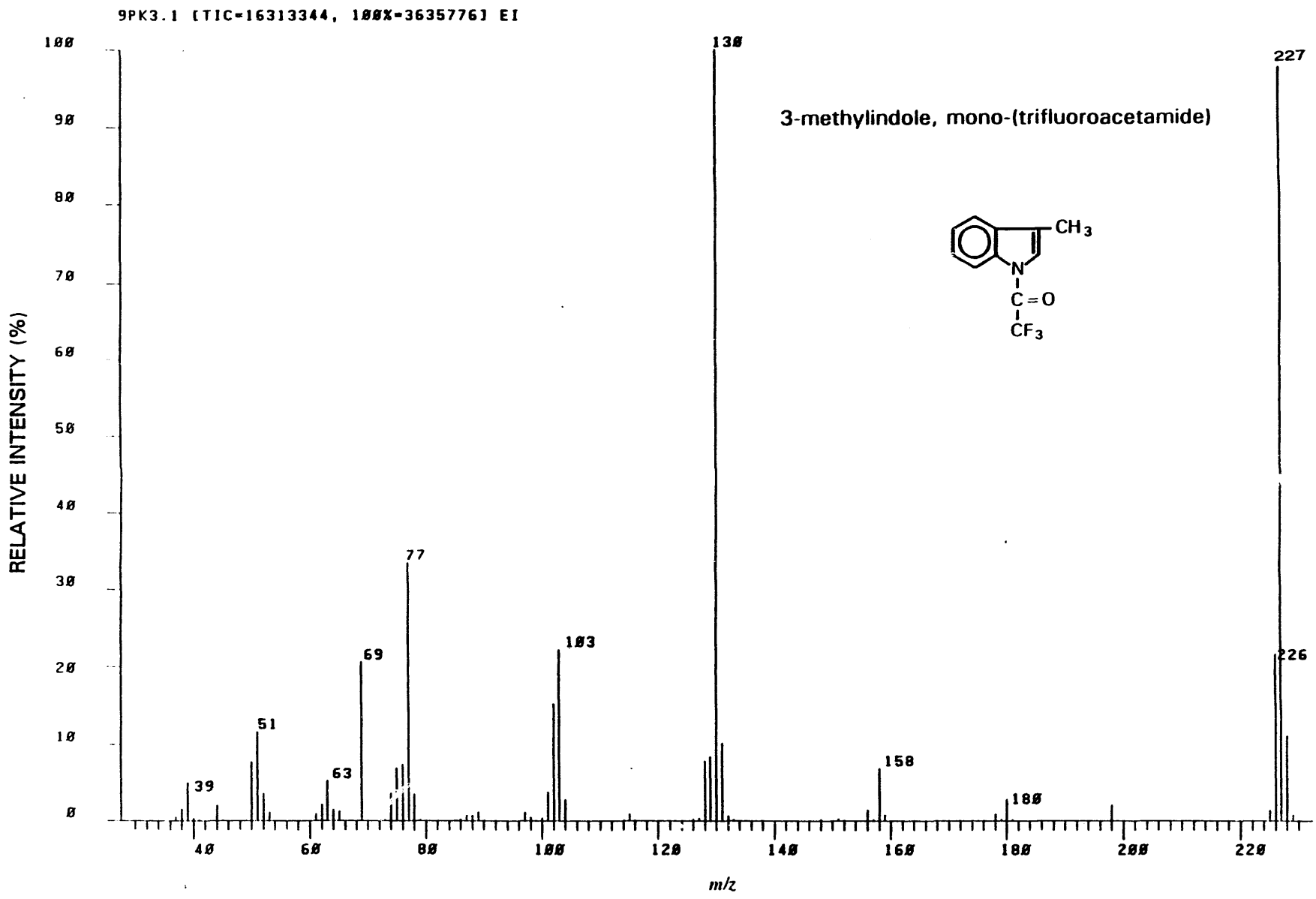
PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	378.00	6	1971.	0.0	0.0	0.0046
2	312.00	8	1299.	0.0	0.0	0.0031
3	311.00	12	39982.	0.4	0.4	0.0943*
4	310.00	17	430944.	4.8	4.8	1.0356*
5	309.00	35	3830848.	41.8	41.8	9.0370
6	308.00	12	29570.	0.3	0.3	0.0698*
7	307.00	8	1662.	0.0	0.0	0.0039
8	263.00	8	21855.	0.2	0.2	0.0516
9	262.00	17	234668.	2.6	2.6	0.5536
10	260.00	8	2522.	0.0	0.0	0.0059
11	258.00	10	27551.	0.3	0.3	0.0650
12	243.00	6	543.	0.0	0.0	0.0013
13	242.00	14	92560.	1.0	1.0	0.2184*
14	241.00	29	1097344.	12.0	12.0	2.5887*
15	240.00	43	9170176.	100.0	100.0	*21.63*
16	239.00	25	109724.	1.2	1.2	0.2588*
17	238.00	10	13536.	0.1	0.1	0.0319
18	237.00	6	562.	0.0	0.0	0.0013
19	230.00	8	1092.	0.0	0.0	0.0026
20	214.00	8	6892.	0.1	0.1	0.0163
21	213.00	12	78768.	0.9	0.9	0.1858
22	212.00	17	302960.	3.3	3.3	0.7147
23	211.00	8	12561.	0.1	0.1	0.0296
24	210.00	10	3061.	0.0	0.0	0.0072
25	203.00	8	1652.	0.0	0.0	0.0039
26	202.00	8	23735.	0.3	0.3	0.0560
27	196.00	8	5976.	0.1	0.1	0.0141
28	193.00	10	17753.	0.2	0.2	0.0419
29	192.00	14	171900.	1.9	1.9	0.4055
30	191.00	10	61401.	0.7	0.7	0.1448
31	190.00	21	591284.	6.4	6.4	1.3948*
32	189.00	8	1411.	0.0	0.0	0.0033
33	188.00	21	17573.	0.2	0.2	0.0415*
34	187.00	12	19760.	0.2	0.2	0.0466*
35	186.00	19	25343.	0.3	0.3	0.0598*
36	185.00	21	179636.	2.0	2.0	0.4238*
37	184.00	25	1331456.	14.5	14.5	3.1409*
38	183.00	12	55167.	0.6	0.6	0.1301*
39	182.00	8	2166.	0.0	0.0	0.0051
40	181.00	8	816.	0.0	0.0	0.0019
41	176.00	8	13118.	0.1	0.1	0.0309
42	172.00	8	14614.	0.2	0.2	0.0345
43	171.00	17	135188.	1.5	1.5	0.3189*
44	170.00	25	1323776.	14.4	14.4	3.1228*
45	169.00	10	22213.	0.2	0.2	0.0524*
46	166.00	8	4063.	0.0	0.0	0.0096
47	165.00	14	120832.	1.3	1.3	0.2850
48	164.00	17	378560.	4.1	4.1	0.8930
49	163.00	12	37133.	0.4	0.4	0.0876
50	162.00	17	130616.	1.4	1.4	0.3081
51	161.00	12	43260.	0.5	0.5	0.1021
52	160.00	6	979.	0.0	0.0	0.0023
53	158.00	8	12053.	0.1	0.1	0.0284
54	157.00	17	228484.	2.5	2.5	0.5390
55	156.00	12	27993.	0.3	0.3	0.0660

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	152.00	10	19610.	0.2	0.2	0.0463*
57	151.00	10	10165.	0.1	0.1	0.0240*
58	150.00	8	7682.	0.1	0.1	0.0181*
59	149.00	10	2951.	0.0	0.0	0.0070
60	146.00	12	25274.	0.3	0.3	0.0596*
61	145.00	12	54043.	0.6	0.6	0.1275*
62	144.00	21	555136.	6.1	6.1	1.3096*
63	143.00	35	3660544.	39.9	39.9	8.6353*
64	142.00	17	87280.	1.0	1.0	0.2059*
65	141.00	10	3736.	0.0	0.0	0.0088
66	139.00	8	7029.	0.1	0.1	0.0166
67	138.00	12	43168.	0.5	0.5	0.1018
68	137.00	17	234876.	2.6	2.6	0.5541
69	136.00	6	1469.	0.0	0.0	0.0035
70	135.00	10	25365.	0.3	0.3	0.0598
71	134.00	17	259944.	2.8	2.8	0.6132
72	133.00	12	55512.	0.6	0.6	0.1310
73	132.00	8	16000.	0.2	0.2	0.0377
74	131.00	10	44877.	0.5	0.5	0.1059
75	130.00	8	1765.	0.0	0.0	0.0042
76	127.00	8	3652.	0.0	0.0	0.0086
77	126.00	8	6562.	0.1	0.1	0.0155
78	124.00	8	10736.	0.1	0.1	0.0253
79	123.00	8	7164.	0.1	0.1	0.0169
80	121.00	10	4705.	0.1	0.1	0.0111*
81	120.00	12	58391.	0.6	0.6	0.1377*
82	119.00	14	48693.	0.5	0.5	0.1149*
83	117.00	10	49226.	0.5	0.5	0.1161
84	116.00	17	294920.	3.2	3.2	0.6957
85	115.00	29	3012416.	32.9	32.9	7.1063*
86	114.00	25	936240.	10.2	10.2	2.2086*
87	113.00	17	58912.	0.6	0.6	0.1390*
88	112.00	12	27733.	0.3	0.3	0.0654
89	111.00	8	23007.	0.3	0.3	0.0543
90	109.00	6	981.	0.0	0.0	0.0023
91	108.00	6	1923.	0.0	0.0	0.0045
92	107.00	17	134596.	1.5	1.5	0.3175
93	106.00	10	14828.	0.2	0.2	0.0350*
94	105.00	8	5723.	0.1	0.1	0.0135
95	104.00	8	1569.	0.0	0.0	0.0037
96	102.00	8	4912.	0.1	0.1	0.0116
97	101.00	12	67000.	0.7	0.7	0.1581
98	100.00	10	33631.	0.4	0.4	0.0793*
99	99.00	12	56184.	0.6	0.6	0.1325
100	98.00	12	21361.	0.2	0.2	0.0504*
101	97.00	17	147488.	1.6	1.6	0.3479
102	96.00	12	5128.	0.1	0.1	0.0121*
103	95.00	8	1957.	0.0	0.0	0.0046
104	93.00	10	21219.	0.2	0.2	0.0501*
105	92.00	10	12184.	0.1	0.1	0.0287*
106	90.00	12	37753.	0.4	0.4	0.0891
107	89.00	21	473680.	5.2	5.2	1.1174
108	88.00	25	1195776.	13.0	13.0	2.8209
109	87.00	17	503120.	5.5	5.5	1.1869
110	86.00	17	172224.	1.9	1.9	0.4063*

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	85.00	21	900200.	1.0	1.0	0.2124*
112	84.00	8	3452.	0.0	0.0	0.0081
113	83.00	6	2289.	0.0	0.0	0.0054
114	82.00	8	3694.	0.0	0.0	0.0087
115	81.00	12	51594.	0.6	0.6	0.1217
116	80.00	8	3353.	0.0	0.0	0.0079
117	78.00	14	54317.	0.6	0.6	0.1281*
118	77.00	14	47947.	0.5	0.5	0.1131
119	76.00	17	107200.	1.2	1.2	0.2529*
120	75.00	17	195620.	2.1	2.1	0.4615
121	74.00	17	167236.	1.8	1.8	0.3945
122	73.00	8	17352.	0.2	0.2	0.0409
123	72.00	6	5786.	0.1	0.1	0.0136
124	71.00	10	46568.	0.5	0.5	0.1099*
125	70.00	12	31574.	0.3	0.3	0.0745
126	69.00	29	4003960.	43.7	43.7	9.4454*
127	68.00	6	1477.	0.0	0.0	0.0035
128	67.00	6	945.	0.0	0.0	0.0022
129	66.00	8	9470.	0.1	0.1	0.0223
130	65.00	17	133940.	1.5	1.5	0.3160
131	64.00	17	259140.	2.8	2.8	0.6113
132	63.00	21	569152.	6.2	6.2	1.3426
133	62.00	21	1045560.	11.4	11.4	2.4665
134	61.00	17	239320.	2.6	2.6	0.5646*
135	60.00	6	2887.	0.0	0.0	0.0068
136	59.00	6	1468.	0.0	0.0	0.0035
137	58.00	8	18458.	0.2	0.2	0.0435
138	57.00	21	127652.	1.4	1.4	0.3011*
139	56.00	10	8957.	0.1	0.1	0.0211*
140	54.00	6	2631.	0.0	0.0	0.0062
141	53.00	14	69104.	0.8	0.8	0.1630*
142	52.00	17	88312.	1.0	1.0	0.2083
143	51.00	21	246692.	2.7	2.7	0.5820
144	50.00	21	491376.	5.4	5.4	1.1592
145	49.00	10	21401.	0.2	0.2	0.0505
146	48.00	6	899.	0.0	0.0	0.0021
147	47.00	10	7298.	0.1	0.1	0.0172
148	45.00	8	11651.	0.1	0.1	0.0275
149	44.00	21	216500.	2.4	2.4	0.5107
150	43.00	8	16648.	0.2	0.2	0.0393
151	41.00	8	12806.	0.1	0.1	0.0302
152	40.00	17	66716.	0.7	0.7	0.1574*
153	39.00	21	398112.	4.3	4.3	0.9392
154	38.00	21	242216.	2.6	2.6	0.5714*
155	37.00	14	96116.	1.0	1.0	0.2267
156	36.00	14	58868.	0.6	0.6	0.1389

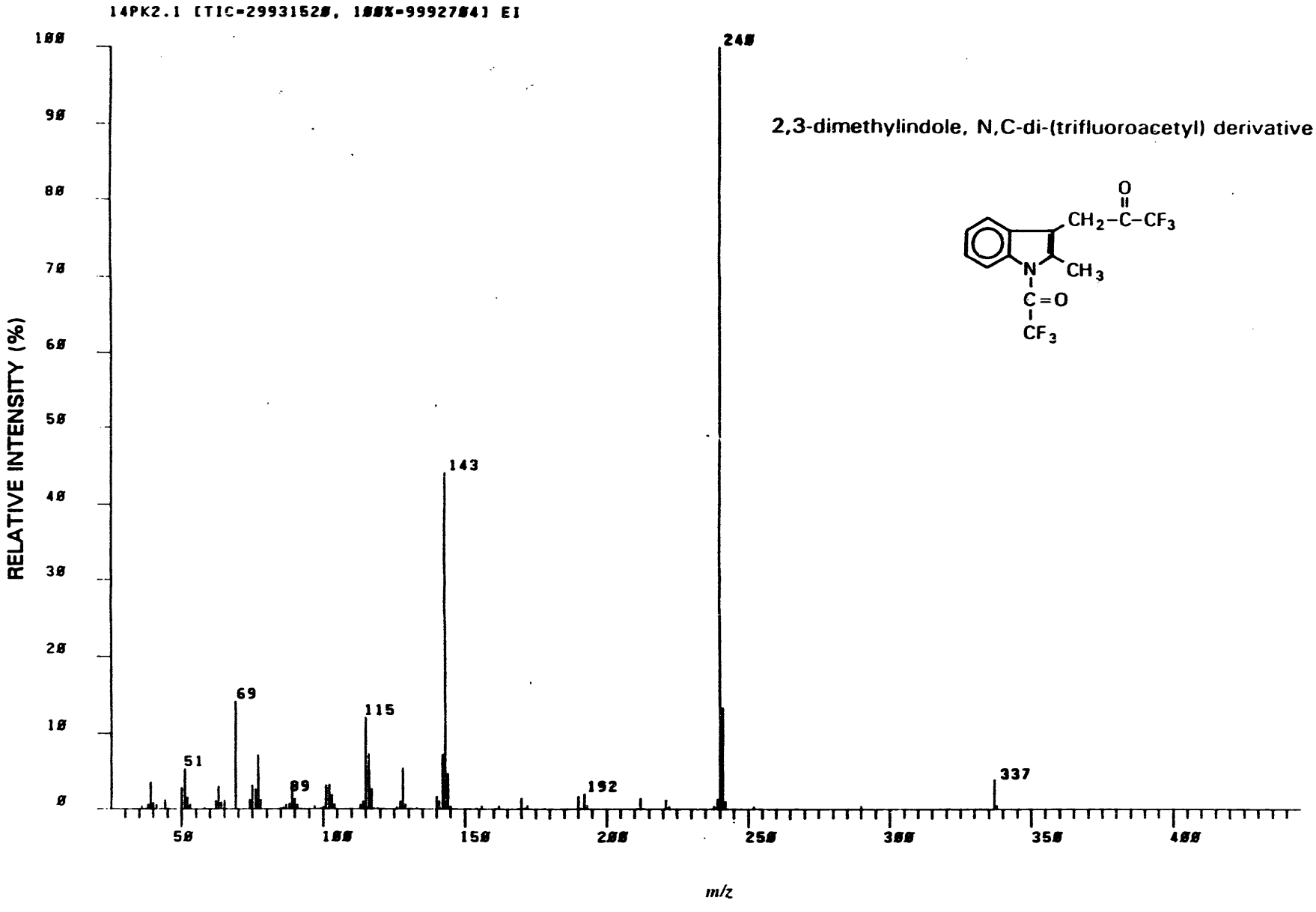

9PK3.1 [TIC=16313344, 100%=3635776] EI
3-methylindole, mono-(trifluoroacetamide)
CH3
N
C=O
CF3
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
130
227
226
103
77
69
51
63
39
158
180
40
60
80
100
120
140
160
180
200
220
m/z

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	229.00	12	27787.	0.8	0.8	0.1703
2	228.00	21	404352.	11.1	11.1	2.4787*
3	227.00	35	3559168.	97.9	97.9	*21.81*
4	226.00	35	783456.	21.5	21.5	4.8025*
5	225.00	25	48494.	1.3	1.3	0.2973*
6	199.00	10	5523.	0.2	0.2	0.0339
7	198.00	12	73988.	2.0	2.0	0.4535
8	181.00	8	5984.	0.2	0.2	0.0367
9	180.00	14	101184.	2.8	2.8	0.6203
10	179.00	10	11628.	0.3	0.3	0.0713
11	178.00	12	30054.	0.8	0.8	0.1842
12	169.00	6	929.	0.0	0.0	0.0057
13	159.00	14	28098.	0.8	0.8	0.1722
14	158.00	17	250444.	6.9	6.9	1.5352
15	157.00	8	7899.	0.2	0.2	0.0484
16	156.00	14	48892.	1.3	1.3	0.2997
17	152.00	8	5047.	0.1	0.1	0.0309
18	151.00	8	11098.	0.3	0.3	0.0680
19	149.00	6	750.	0.0	0.0	0.0046
20	148.00	8	7372.	0.2	0.2	0.0452
21	147.00	6	1346.	0.0	0.0	0.0083
22	146.00	6	1321.	0.0	0.0	0.0081
23	145.00	8	2571.	0.1	0.1	0.0158
24	133.00	8	7657.	0.2	0.2	0.0469
25	132.00	12	23178.	0.6	0.6	0.1421
26	131.00	21	369472.	10.2	10.2	2.2648*
27	130.00	43	3635776.	100.0	100.0	*22.28*
28	129.00	21	307872.	8.5	8.5	1.8872*
29	128.00	21	286704.	7.9	7.9	1.7575*
30	127.00	8	14908.	0.4	0.4	0.0914
31	126.00	8	10997.	0.3	0.3	0.0674
32	117.00	8	971.	0.0	0.0	0.0060
33	116.00	14	3664.	0.1	0.1	0.0225*
34	115.00	12	31797.	0.9	0.9	0.1949
35	114.00	10	4487.	0.1	0.1	0.0275
36	112.00	8	1838.	0.1	0.1	0.0113
37	106.00	6	889.	0.0	0.0	0.0054
38	105.00	6	2209.	0.1	0.1	0.0135
39	104.00	14	99912.	2.7	2.7	0.6125
40	103.00	21	804928.	22.1	22.1	4.9342*
41	102.00	17	555760.	15.3	15.3	3.4068
42	101.00	14	138092.	3.8	3.8	0.8465
43	100.00	8	12334.	0.3	0.3	0.0756
44	99.00	8	5346.	0.1	0.1	0.0328
45	98.00	12	15458.	0.4	0.4	0.0948
46	97.00	10	40145.	1.1	1.1	0.2461
47	95.00	6	900.	0.0	0.0	0.0055
48	91.00	6	2392.	0.1	0.1	0.0147
49	90.00	10	5339.	0.1	0.1	0.0327
50	89.00	10	41654.	1.1	1.1	0.2553
51	88.00	14	26622.	0.7	0.7	0.1632
52	87.00	14	24556.	0.7	0.7	0.1505
53	86.00	8	8060.	0.2	0.2	0.0494
54	85.00	8	4349.	0.1	0.1	0.0267
55	82.00	6	1314.	0.0	0.0	0.0081

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	81.00	6	1089.	0.0	0.0	0.0067
57	80.00	8	1379.	0.0	0.0	0.0085
58	79.00	8	9029.	0.2	0.2	0.0553
59	78.00	17	128756.	3.5	3.5	0.7893*
60	77.00	25	1218752.	33.5	33.5	7.4709*
61	76.00	17	271680.	7.5	7.5	1.6654*
62	75.00	17	252156.	6.9	6.9	1.5457
63	74.00	14	131624.	3.6	3.6	0.8068
64	73.00	8	6943.	0.2	0.2	0.0426
65	69.00	21	746624.	20.5	20.5	4.5768*
66	65.00	14	43165.	1.2	1.2	0.2646
67	64.00	14	51997.	1.4	1.4	0.3187*
68	63.00	17	191704.	5.3	5.3	1.1751*
69	62.00	17	76260.	2.1	2.1	0.4675
70	61.00	14	30705.	0.8	0.8	0.1882
71	57.00	8	3388.	0.1	0.1	0.0208
72	53.00	14	40149.	1.1	1.1	0.2461*
73	52.00	14	130216.	3.6	3.6	0.7982
74	51.00	21	424096.	11.7	11.7	2.5997
75	50.00	21	282176.	7.8	7.8	1.7297
76	49.00	8	3409.	0.1	0.1	0.0209
77	47.00	8	1214.	0.0	0.0	0.0074
78	45.00	8	4931.	0.1	0.1	0.0302
79	44.00	17	73108.	2.0	2.0	0.4481*
80	41.00	10	8931.	0.2	0.2	0.0547
81	40.00	10	13172.	0.4	0.4	0.0807*
82	39.00	17	179172.	4.9	4.9	1.0983
83	38.00	12	56993.	1.6	1.6	0.3494
84	37.00	17	21287.	0.6	0.6	0.1305*
85	36.00	10	2256.	0.1	0.1	0.0138


14PK2.1 [TIC=2993152Ø, 1ØØ%=9992784] EI
RELATIVE INTENSITY (%)
1ØØ
9Ø
8Ø
7Ø
6Ø
5Ø
4Ø
3Ø
2Ø
1Ø
Ø
24Ø
143
69
115
51
89
192
337
5Ø
1ØØ
15Ø
2ØØ
25Ø
3ØØ
35Ø
4ØØ
m/z
2,3-dimethylindole, N,C-di-(trifluoroacetyl) derivative
O
CH2–C–CF3
CH3
N
C=O
CF3

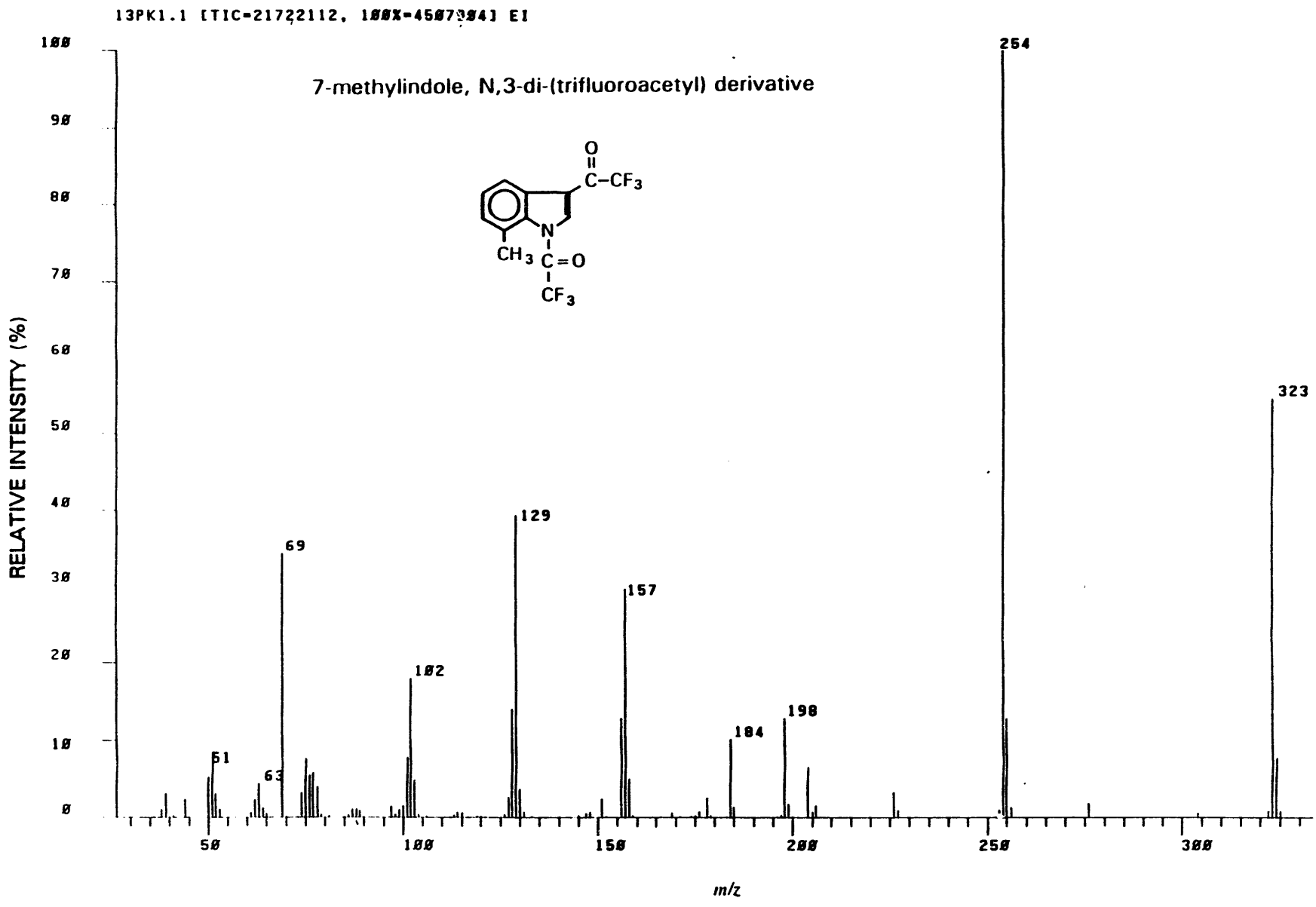
PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	433.00	6	8873.	0.1	0.1	0.0296
2	339.00	8	2521.	0.0	0.0	0.0084
3	338.00	12	56406.	0.6	0.6	0.1885
4	337.00	17	396800.	4.0	4.0	1.3260
5	336.00	10	5723.	0.1	0.1	0.0191
6	323.00	8	2681.	0.0	0.0	0.0090
7	322.00	6	637.	0.0	0.0	0.0021
8	321.00	8	15829.	0.2	0.2	0.0529
9	320.00	8	7580.	0.1	0.1	0.0253
10	318.00	8	1875.	0.0	0.0	0.0063
11	304.00	6	1057.	0.0	0.0	0.0035
12	294.00	6	1289.	0.0	0.0	0.0043
13	290.00	12	43165.	0.4	0.4	0.1442
14	270.00	8	7354.	0.1	0.1	0.0246
15	267.00	8	11579.	0.1	0.1	0.0387
16	254.00	8	9590.	0.1	0.1	0.0320
17	253.00	8	2274.	0.0	0.0	0.0076
18	252.00	10	36189.	0.4	0.4	0.1209
19	250.00	6	1405.	0.0	0.0	0.0047
20	248.00	10	2421.	0.0	0.0	0.0081
21	243.00	8	1485.	0.0	0.0	0.0050
22	242.00	14	100360.	1.0	1.0	0.3353*
23	241.00	29	1332416.	13.3	13.3	4.4515*
24	240.00	51	9992704.	100.0	100.0	*33.38*
25	239.00	29	134168.	1.3	1.3	0.4482*
26	238.00	12	46419.	0.5	0.5	0.1551*
27	230.00	8	1233.	0.0	0.0	0.0041
28	227.00	6	1511.	0.0	0.0	0.0050
29	226.00	6	2151.	0.0	0.0	0.0072
30	225.00	6	4279.	0.0	0.0	0.0143
31	224.00	8	4829.	0.0	0.0	0.0161
32	223.00	8	2599.	0.0	0.0	0.0087
33	222.00	12	38243.	0.4	0.4	0.1278
34	221.00	14	118472.	1.2	1.2	0.3958
35	213.00	8	15888.	0.2	0.2	0.0531
36	212.00	17	143512.	1.4	1.4	0.4795
37	211.00	8	9676.	0.1	0.1	0.0323
38	210.00	8	2599.	0.0	0.0	0.0087
39	204.00	8	1789.	0.0	0.0	0.0060
40	203.00	6	1192.	0.0	0.0	0.0040
41	202.00	8	5201.	0.1	0.1	0.0174
42	200.00	8	4602.	0.0	0.0	0.0156
43	198.00	8	6477.	0.1	0.1	0.0216
44	193.00	12	55995.	0.6	0.6	0.1871
45	192.00	17	198064.	2.0	2.0	0.6617
46	191.00	10	24386.	0.2	0.2	0.0815
47	190.00	17	168044.	1.7	1.7	0.5641
48	189.00	6	657.	0.0	0.0	0.0022
49	187.00	8	1675.	0.0	0.0	0.0056
50	185.00	6	758.	0.0	0.0	0.0025
51	184.00	8	6302.	0.1	0.1	0.0213
52	181.00	10	3704.	0.0	0.0	0.0124
53	180.00	6	3906.	0.0	0.0	0.0130
54	179.00	8	3385.	0.0	0.0	0.0113
55	178.00	10	21699.	0.2	0.2	0.0725

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	177.00	8	5411.	0.1	0.1	0.0181
57	176.00	8	7477.	0.1	0.1	0.0250
58	175.00	6	503.	0.0	0.0	0.0017
59	174.00	8	3828.	0.0	0.0	0.0128
60	173.00	8	8915.	0.1	0.1	0.0298
61	172.00	14	54836.	0.5	0.5	0.1832
62	171.00	12	30414.	0.3	0.3	0.1016
63	170.00	17	141436.	1.4	1.4	0.4725
64	169.00	8	12977.	0.1	0.1	0.0434
65	165.00	8	7815.	0.1	0.1	0.0261
66	164.00	8	2361.	0.0	0.0	0.0079
67	163.00	6	1420.	0.0	0.0	0.0047
68	162.00	12	50000.	0.5	0.5	0.1671
69	161.00	10	11454.	0.1	0.1	0.0383
70	158.00	6	685.	0.0	0.0	0.0023
71	157.00	10	4484.	0.0	0.0	0.0150
72	156.00	12	44167.	0.4	0.4	0.1476
73	155.00	8	2915.	0.0	0.0	0.0097
74	154.00	8	16512.	0.2	0.2	0.0552
75	153.00	10	6960.	0.1	0.1	0.0233
76	152.00	10	12572.	0.1	0.1	0.0420
77	151.00	8	15931.	0.2	0.2	0.0532*
78	150.00	8	2185.	0.0	0.0	0.0073
79	149.00	8	2600.	0.0	0.0	0.0087
80	148.00	10	6036.	0.1	0.1	0.0202
81	147.00	8	9664.	0.1	0.1	0.0323
82	146.00	10	13780.	0.1	0.1	0.0461
83	145.00	12	46533.	0.5	0.5	0.1555
84	144.00	21	473440.	4.7	4.7	1.5817*
85	143.00	43	4411392.	44.1	44.1	*14.73*
86	142.00	25	730544.	7.3	7.3	2.4407*
87	141.00	21	114440.	1.1	1.1	0.3823*
88	140.00	17	172616.	1.7	1.7	0.5767*
89	138.00	8	1696.	0.0	0.0	0.0057
90	137.00	8	3693.	0.0	0.0	0.0123
91	134.00	8	4046.	0.0	0.0	0.0135
92	133.00	12	18317.	0.2	0.2	0.0612
93	132.00	8	1596.	0.0	0.0	0.0053
94	131.00	8	13145.	0.1	0.1	0.0439
95	130.00	8	11602.	0.1	0.1	0.0388
96	129.00	12	69764.	0.7	0.7	0.2331
97	128.00	21	539320.	5.4	5.4	1.8019
98	127.00	14	107096.	1.1	1.1	0.3578
99	126.00	12	33748.	0.3	0.3	0.1128
100	125.00	8	5180.	0.1	0.1	0.0173
101	121.00	10	13961.	0.1	0.1	0.0466
102	120.00	6	3675.	0.0	0.0	0.0123
103	119.00	10	16748.	0.2	0.2	0.0560
104	110.00	10	18204.	0.2	0.2	0.0608
105	117.00	17	273160.	2.7	2.7	0.9126
106	116.00	21	737184.	7.4	7.4	2.4629
107	115.00	21	1197824.	12.0	12.0	4.0019
108	114.00	17	100524.	1.0	1.0	0.3358*
109	113.00	14	73156.	0.7	0.7	0.2444
110	107.00	6	1433.	0.0	0.0	0.0048

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	184.00	14	67600.	0.7	0.7	0.2288*
112	183.00	17	194656.	1.9	1.9	0.6583
113	182.00	17	326272.	3.3	3.3	1.0981
114	181.00	17	321248.	3.2	3.2	1.0733
115	180.00	12	40185.	0.4	0.4	0.1343
116	99.00	10	20895.	0.2	0.2	0.0698
117	98.00	10	9928.	0.1	0.1	0.0332
118	97.00	12	46477.	0.5	0.5	0.1553
119	95.00	8	2997.	0.0	0.0	0.0100
120	92.00	8	8135.	0.1	0.1	0.0272
121	91.00	17	64578.	0.6	0.6	0.2158
122	90.00	17	139516.	1.4	1.4	0.4661
123	89.00	17	240016.	2.4	2.4	0.0046
124	88.00	14	77440.	0.8	0.8	0.2587*
125	87.00	14	62560.	0.6	0.6	0.2090
126	86.00	12	33231.	0.3	0.3	0.1110*
127	85.00	8	14547.	0.1	0.1	0.0486*
128	81.00	6	858.	0.0	0.0	0.0029
129	80.00	6	2052.	0.0	0.0	0.0069
130	79.00	8	3145.	0.0	0.0	0.0105
131	78.00	17	132600.	1.3	1.3	0.4430
132	77.00	21	715744.	7.2	7.2	2.3913
133	76.00	21	270480.	2.7	2.7	0.9037
134	75.00	17	316160.	3.2	3.2	1.0563
135	74.00	17	130276.	1.3	1.3	0.4352
136	73.00	10	7245.	0.1	0.1	0.0242*
137	71.00	6	1662.	0.0	0.0	0.0056
138	70.00	12	12130.	0.1	0.1	0.0405*
139	69 .00	21	1419456.	14.2	14.2	4.7423*
140	68.00	6	1039.	0.0	0.0	0.0035
141	66.00	10	13613.	0.1	0.1	0.0455*
142	65.00	14	110944.	1.2	1.2	0.3974
143	64.00	17	90768.	0.9	0.9	0.3033
144	63.00	21	303392.	3.0	3.0	1.0136
145	62.00	17	109828.	1.1	1.1	0.3669*
146	61.00	6	3356.	0.0	0.0	0.0112
147	58.00	10	19879.	0.2	0.2	0.0664
148	57.00	12	5843.	0.1	0.1	0.0195
149	55.00	8	4236.	0.0	0.0	0.0142
150	53.00	14	74912.	0.7	0.7	0.2503*
151	52.00	17	160276.	1.6	1.6	0.5355
152	51.00	21	536224.	5.4	5.4	1.7915
153	50.00	21	283264.	2.8	2.8	0.9464
154	47.00	10	2497.	0.0	0.0	0.0083
155	45.00	10	14488.	0.1	0.1	0.0484
156	44.00	17	116976.	1.2	1.2	0.3908
157	43.00	8	8497.	0.1	0.1	0.0284
158	42.00	8	4124.	0.0	0.0	0.0138
159	41.00	12	59672.	0.6	0.6	0.1994*
160	40.00	21	82100.	0.8	0.8	0.2743*
161	39.00	21	357840.	3.6	3.6	1.1955
162	38.00	17	71572.	0.7	0.7	0.2391*
163	37.00	8	13301.	0.1	0.1	0.0444
164	36.00	12	42456.	0.4	0.4	0.1418*
165	35.00	6	1512.	0.0	0.0	0.0051


13PK1.1 [TIC=21722112, 100%=4507904] EI
7-methylindole, N,3-di-(trifluoroacetyl) derivative
RELATIVE INTENSITY (%)
m/z
254
323
129
69
157
102
198
184
51
63

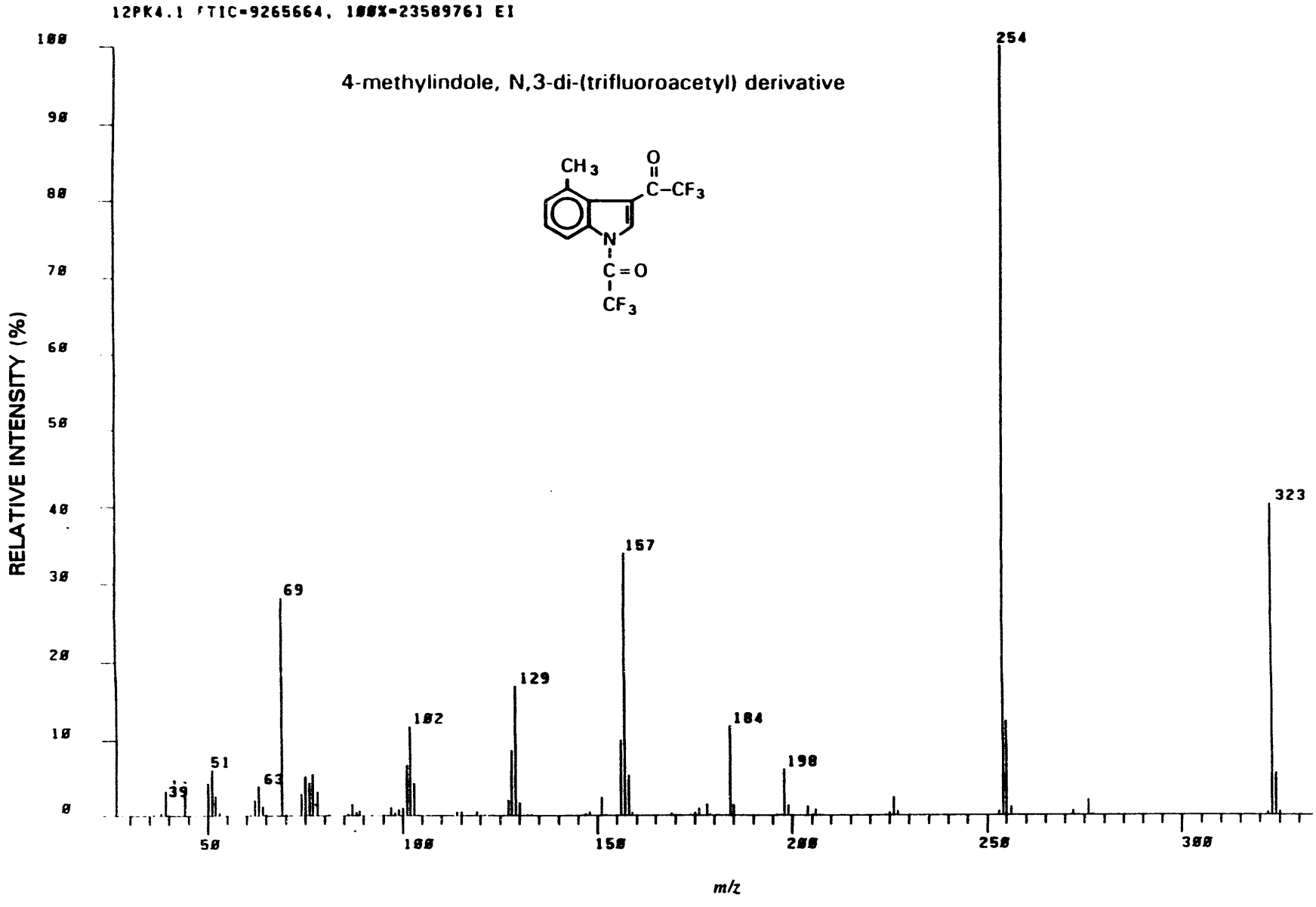
PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	325.00	10	36957.	0.8	0.8	0.1701*
2	324.00	21	354464.	7.9	7.9	1.6310*
3	323.00	35	2462400.	54.6	54.6	*11.33*
4	322.00	14	39221.	0.9	0.9	0.1806*
5	321.00	6	1143.	0.0	0.0	0.0053
6	305.00	8	2424.	0.1	0.1	0.0112
7	304.00	10	28519.	0.6	0.6	0.1313
8	294.00	8	1095.	0.0	0.0	0.0050
9	277.00	8	1699.	0.0	0.0	0.0078
10	276.00	12	83000.	1.8	1.8	0.3826
11	272.00	8	4497.	0.1	0.1	0.0207
12	256.00	14	60049.	1.3	1.3	0.2801
13	255.00	25	584256.	13.0	13.0	2.6897*
14	254.00	35	4507904.	100.0	100.0	*20.75*
15	253.00	21	45906.	1.0	1.0	0.2113*
16	252.00	6	3790.	0.1	0.1	0.0174
17	249.00	6	1260.	0.0	0.0	0.0058
18	234.00	6	1216.	0.0	0.0	0.0056
19	228.00	8	1915.	0.0	0.0	0.0088
20	227.00	12	42820.	0.9	0.9	0.1971
21	226.00	17	150984.	3.3	3.3	0.6951
22	225.00	6	934.	0.0	0.0	0.0043
23	224.00	8	1821.	0.0	0.0	0.0084
24	219.00	8	994.	0.0	0.0	0.0046
25	216.00	8	621.	0.0	0.0	0.0029
26	207.00	8	6176.	0.1	0.1	0.0284
27	206.00	14	71264	1.6	1.6	0.3281
28	205.00	12	36720.	0.8	0.8	0.1691
29	204.00	17	300400.	6.7	6.7	1.3829
30	202.00	8	1205.	0.0	0.0	0.0055
31	201.00	8	2993.	0.1	0.1	0.0138
32	200.00	8	5716.	0.1	0.1	0.0263
33	199.00	17	79440.	1.8	1.8	0.3657
34	198.00	21	582000.	12.9	12.9	2.6793*
35	197.00	12	18620.	0.4	0.4	0.0858
36	196.00	10	4830.	0.1	0.1	0.0223
37	186.00	8	5092.	0.1	0.1	0.0234
38	185.00	12	61442.	1.4	1.4	0.2829
39	184.00	17	460384.	10.2	10.2	2.1194
40	183.00	8	3619.	0.1	0.1	0.0167
41	181.00	8	3011.	0.1	0.1	0.0139
42	179.00	8	18582.	0.4	0.4	0.0855
43	178.00	17	116256.	2.6	2.6	0.5352
44	177.00	6	1414.	0.0	0.0	0.0065
45	176.00	12	36699.	0.8	0.8	0.1689
46	175.00	10	13712.	0.3	0.3	0.0631*
47	174.00	8	7603.	0.2	0.2	0.0354
48	171.00	8	8706.	0.2	0.2	0.0401
49	169.00	10	28415.	0.6	0.6	0.1308
50	166.00	8	6621.	0.1	0.1	0.0305
51	164.00	6	3790.	0.1	0.1	0.0174
52	163.00	8	1061.	0.0	0.0	0.0049
53	162.00	6	1077.	0.0	0.0	0.0050
54	160.00	8	2609.	0.1	0.1	0.0120
55	159.00	10	14443.	0.3	0.3	0.0665

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	158.00	17	220860.	5.1	5.1	1.0536*
57	157.00	25	1330432.	29.5	29.5	6.1248*
58	156.00	21	584512.	13.0	13.0	2.6909*
59	155.00	6	1171.	0.0	0.0	0.0054
60	152.00	8	10491.	0.2	0.2	0.0483
61	151.00	17	109760.	2.4	2.4	0.5053
62	150.00	6	1774.	0.0	0.0	0.0082
63	149.00	8	1375.	0.0	0.0	0.0063
64	148.00	10	32505.	0.7	0.7	0.1496
65	147.00	10	25776.	0.6	0.6	0.1187
66	145.00	8	11866.	0.3	0.3	0.0546
67	144.00	6	1274.	0.0	0.0	0.0059
68	140.00	10	6109.	0.1	0.1	0.0281
69	133.00	8	10457.	0.2	0.2	0.0481
70	132.00	8	1788.	0.0	0.0	0.0082
71	131.00	12	35357.	0.8	0.8	0.1628*
72	130.00	17	170400.	3.8	3.8	0.7849
73	129.00	29	1773952.	39.4	39.4	8.1666*
74	128.00	25	634256.	14.1	14.1	2.9199*
75	127.00	17	123264.	2.7	2.7	0.5675*
76	126.00	8	21541.	0.5	0.5	0.0992
77	125.00	8	1240.	0.0	0.0	0.0057
78	124.00	6	641.	0.0	0.0	0.0030
79	123.00	6	1003.	0.0	0.0	0.0050
80	121.00	8	6349.	0.1	0.1	0.0292
81	120.00	8	10970.	0.2	0.2	0.0505
82	119.00	10	12705.	0.3	0.3	0.0585
83	116.00	6	1481.	0.0	0.0	0.0068
84	115.00	10	29502.	0.7	0.7	0.1358*
85	114.00	10	30497.	0.7	0.7	0.1404
86	113.00	8	17686.	0.4	0.4	0.0814
87	112.00	8	5774.	0.1	0.1	0.0266
88	107.00	14	2189.	0.0	0.0	0.0101*
89	106.00	17	13543.	0.3	0.3	0.0623*
90	105.00	6	1409.	0.0	0.0	0.0065
91	104.00	10	19748.	0.4	0.4	0.0909
92	103.00	17	224184.	5.0	5.0	1.0321*
93	102.00	25	808416.	17.9	17.9	3.7216*
94	101.00	21	356720.	7.9	7.9	1.6422
95	100.00	14	70420.	1.6	1.6	0.3242*
96	99.00	12	48076.	1.1	1.1	0.2213
97	98.00	10	19759.	0.4	0.4	0.0910
98	97.00	14	65864.	1.5	1.5	0.3032
99	95.00	8	1086.	0.0	0.0	0.0087
100	93.00	6	956.	0.0	0.0	0.0044
101	90.00	10	4010.	0.1	0.1	0.0185
102	89.00	12	43261.	1.0	1.0	0.1992*
103	88.00	12	49742.	1.1	1.1	0.2290
104	87.00	14	49963.	1.1	1.1	0.2300
105	86.00	10	18677.	0.4	0.4	0.0860
106	85.00	6	5876.	0.1	0.1	0.0271
107	81.00	8	12190.	0.3	0.3	0.0561
108	79.00	10	19567.	0.4	0.4	0.0901*
109	78.00	35	186796.	4.1	4.1	0.8599*
110	77.00	21	266040.	5.9	5.9	1.2248

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	76.00	17	252340.	5.6	5.6	1.1617
112	75.00	21	346384.	7.7	7.7	1.5946
113	74.00	17	147440.	3.3	3.3	0.6788
114	73.00	12	8670.	0.2	0.2	0.0399
115	70.00	10	8132.	0.2	0.2	0.0374
116	69.00	25	1546176.	34.3	34.3	7.1100*
117	66.00	8	4169.	0.1	0.1	0.0192
118	65.00	10	27435.	0.6	0.6	0.1263
119	64.00	17	56942.	1.3	1.3	0.2621*
120	63.00	17	205192.	4.6	4.6	0.9446*
121	62.00	17	107888.	2.4	2.4	0.4967
122	61.00	10	33360.	0.7	0.7	0.1536*
123	57.00	6	1990.	0.0	0.0	0.0092
124	53.00	14	50327.	1.1	1.1	0.2317*
125	52.00	17	143416.	3.2	3.2	0.6602*
126	51.00	21	353696.	7.8	7.8	1.6283*
127	50.00	21	242504.	5.4	5.4	1.1154
128	49.00	8	2264.	0.1	0.1	0.0104
129	47.00	8	2995.	0.1	0.1	0.0138
130	45.00	8	3853.	0.1	0.1	0.0177
131	44.00	17	109944.	2.4	2.4	0.5061
132	41.00	8	12765.	0.3	0.3	0.0588
133	40.00	12	6983.	0.2	0.2	0.0321
134	39.00	17	143764.	3.2	3.2	0.6618
135	38.00	17	46132.	1.0	1.0	0.2124*
136	37.00	8	1915.	0.0	0.0	0.0088
137	36.00	8	6675.	0.1	0.1	0.0307


12PK4.1 TIC=9265664, 100%=2358976] EI
4-methylindole, N,3-di-(trifluoroacetyl) derivative
CH3
O
C–CF3
N
C=O
CF3
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
39
51
63
69
102
129
157
184
198
254
323
50
100
150
200
250
300
m/z

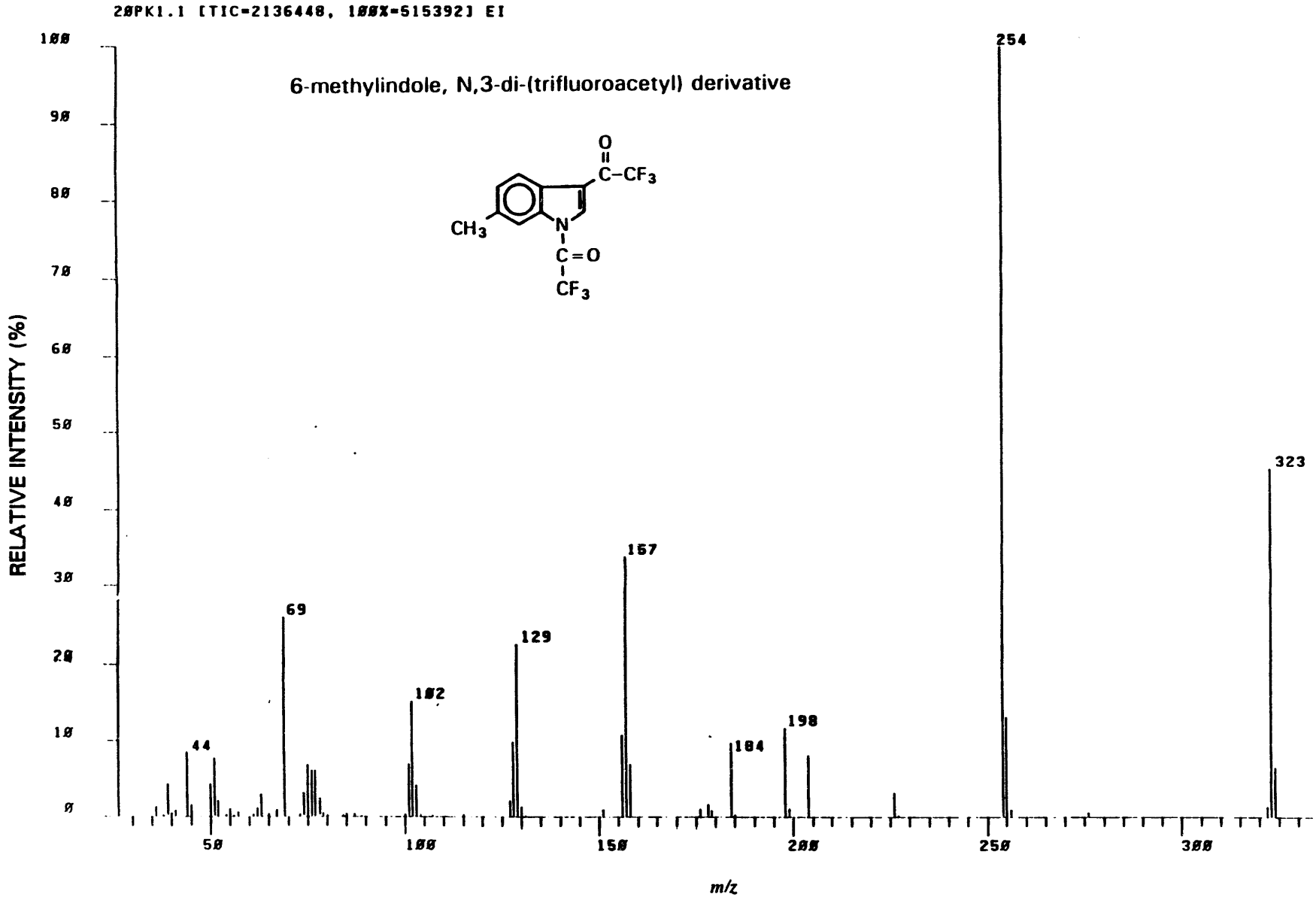
PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	325.00	8	14358.	0.6	0.6	0.1550
2	324.00	14	135120.	5.7	5.7	1.4503
3	323.00	25	953680.	40.4	40.4	*10.29*
4	322.00	10	12615.	0.5	0.5	0.1361*
5	319.00	6	1096.	0.0	0.0	0.0118
6	277.00	8	4235.	0.2	0.2	0.0457
7	276.00	10	50193.	2.1	2.1	0.5417
8	272.00	8	17644.	0.7	0.7	0.1904
9	257.00	6	1739.	0.1	0.1	0.0188
10	256.00	10	28233.	1.2	1.2	0.3047*
11	255.00	17	294960.	12.5	12.5	3.1834*
12	254.00	43	2358976.	100.0	100.0	*25.45*
13	253.00	14	15336.	0.7	0.7	0.1655*
14	227.00	10	14215.	0.6	0.6	0.1534
15	226.00	12	58102.	2.5	2.5	0.6271
16	225.00	10	10919.	0.5	0.5	0.1178
17	224.00	8	4188.	0.2	0.2	0.0452
18	219.00	6	1356.	0.1	0.1	0.0146
19	207.00	6	2341.	0.1	0.1	0.0253
20	206.00	8	20694.	0.9	0.9	0.2233
21	205.00	6	3428.	0.1	0.1	0.0370
22	204.00	10	30909.	1.3	1.3	0.3336
23	200.00	8	3273.	0.1	0.1	0.0353
24	199.00	12	34278.	1.5	1.5	0.3699*
25	198.00	17	145504.	6.2	6.2	1.5704
26	197.00	8	5749.	0.2	0.2	0.0620
27	196.00	10	3902.	0.2	0.2	0.0421
28	187.00	6	1383.	0.1	0.1	0.0149
29	185.00	10	34382.	1.5	1.5	0.3711
30	184.00	17	278864.	11.8	11.8	3.0096*
31	183.00	6	2121.	0.1	0.1	0.0229
32	181.00	8	3347.	0.1	0.1	0.0361
33	179.00	10	6044.	0.3	0.3	0.0652
34	178.00	12	36369.	1.5	1.5	0.3925
35	176.00	12	24672.	1.0	1.0	0.2663
36	175.00	8	10481.	0.4	0.4	0.1131
37	174.00	14	3664.	0.2	0.2	0.0395
38	171.00	8	3521.	0.1	0.1	0.0380
39	170.00	8	2178.	0.1	0.1	0.0235
40	169.00	12	9850.	0.4	0.4	0.1063
41	162.00	6	758.	0.0	0.0	0.0082
42	159.00	10	10235.	0.4	0.4	0.1105
43	158.00	17	127712.	5.4	5.4	1.3783
44	157.00	25	801536.	34.0	34.0	8.6506*
45	156.00	17	235948.	10.0	10.0	2.5465
46	155.00	8	2473.	0.1	0.1	0.0267
47	152.00	8	5366.	0.2	0.2	0.0579
48	151.00	14	57659.	2.4	2.4	0.6223
49	149.00	6	753.	0.0	0.0	0.0081
50	148.00	10	13402.	0.6	0.6	0.1446
51	147.00	8	6273.	0.3	0.3	0.0677
52	146.00	6	1992.	0.1	0.1	0.0215
53	145.00	8	1137.	0.0	0.0	0.0123
54	142.00	6	1451.	0.1	0.1	0.0157
55	133.00	8	7302.	0.3	0.3	0.0788

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	132.00	17	4486.	0.2	0.2	0.0484*
57	131.00	8	5325.	0.2	0.2	0.0575
58	130.00	14	42763.	1.8	1.8	0.4615
59	129.00	21	397936.	16.9	16.9	4.2947*
60	128.00	17	204236.	8.7	8.7	2.2042
61	127.00	12	50281.	2.1	2.1	0.5427
62	126.00	8	2316.	0.1	0.1	0.0250
63	123.00	12	4961.	0.2	0.2	0.0535
64	121.00	8	3804.	0.2	0.2	0.0411
65	120.00	8	2849.	0.1	0.1	0.0307
66	119.00	12	15620.	0.7	0.7	0.1687*
67	115.00	10	12035.	0.5	0.5	0.1299
68	114.00	12	15477.	0.7	0.7	0.1670
69	113.00	8	1697.	0.1	0.1	0.0183
70	106.00	8	2160.	0.1	0.1	0.0233
71	105.00	8	1099.	0.0	0.0	0.0119
72	104.00	8	3942.	0.2	0.2	0.0425
73	103.00	14	103220.	4.4	4.4	1.1140
74	102.00	17	278720.	11.8	11.8	3.0081
75	101.00	17	159108.	6.7	6.7	1.7180
76	100.00	10	26822.	1.1	1.1	0.2895
77	99.00	8	20684.	0.9	0.9	0.2232
78	98.00	10	11833.	0.5	0.5	0.1277
79	97.00	12	25701.	1.1	1.1	0.2774
80	95.00	8	1915.	0.1	0.1	0.0207
81	90.00	8	1849.	0.1	0.1	0.0200
82	89.00	10	16021.	0.7	0.7	0.1729
83	88.00	8	13249.	0.6	0.6	0.1430
84	87.00	12	36909.	1.6	1.6	0.3983
85	86.00	10	6888.	0.3	0.3	0.0743
86	81.00	8	4696.	0.2	0.2	0.0507
87	79.00	10	2392.	0.1	0.1	0.0258
88	78.00	17	74476.	3.2	3.2	0.8038*
89	77.00	17	131692.	5.6	5.6	1.4213
90	76.00	17	105104.	4.5	4.5	1.1343
91	75.00	17	124724.	5.3	5.3	1.3461
92	74.00	17	69532.	2.9	2.9	0.7504*
93	73.00	8	863.	0.0	0.0	0.0093
94	70.00	12	4675.	0.2	0.2	0.0505
95	69.00	21	666272.	28.2	28.2	7.1908
96	65.00	10	7315.	0.3	0.3	0.0789
97	64.00	14	32689.	1.4	1.4	0.3528*
98	63.00	17	92824.	3.9	3.9	1.0018
99	62.00	14	50663.	2.1	2.1	0.5468
100	61.00	6	5406.	0.2	0.2	0.0583
101	55.00	8	1541.	0.1	0.1	0.0166
102	53.00	10	10424.	0.4	0.4	0.1125
103	52.00	17	62906.	2.7	2.7	0.6789*
104	51.00	17	146108.	6.2	6.2	1.5769
105	50.00	17	102444.	4.3	4.3	1.1056*
106	49.00	6	1898.	0.1	0.1	0.0205
107	45.00	6	751.	0.0	0.0	0.0081
108	44.00	17	74308.	3.2	3.2	0.8020
109	41.00	6	2536.	0.1	0.1	0.0274
110	40.00	8	4189.	0.2	0.2	0.0452

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	39.00	17	76928.	3.3	3.3	0.0302*
112	38.00	8	10226.	0.4	0.4	0.1104*
113	36.00	8	6117.	0.3	0.3	0.0660

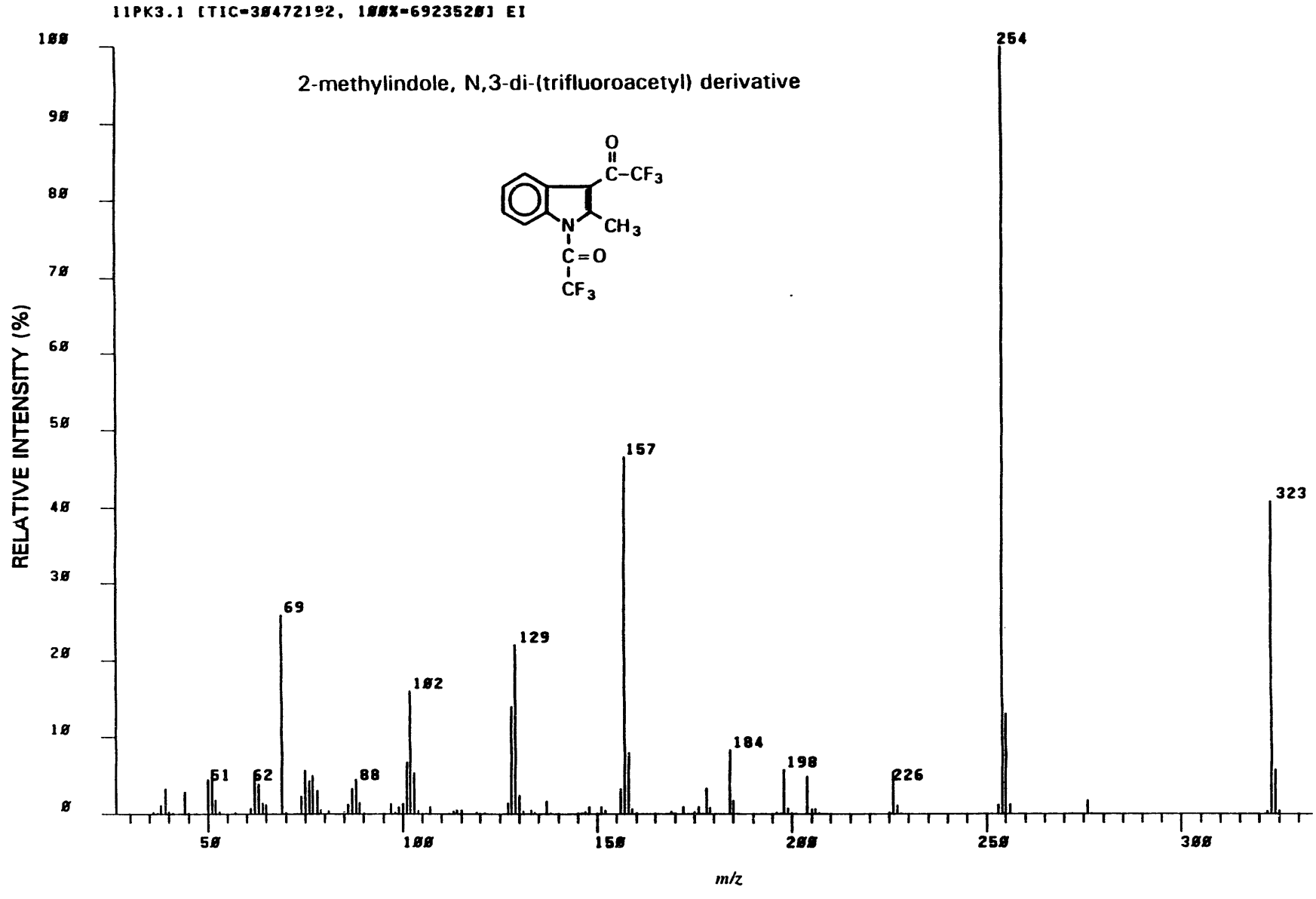

20PK1.1 [TIC=2136448, 100%=515392] EI
6-methylindole, N,3-di-(trifluoroacetyl) derivative
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
50
100
150
200
250
300
m/z
254
323
157
69
129
182
44
184
198

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	324.00	12	33443.	6.6	6.6	1.6664
2	323.00	14	233452.	46.3	46.3	*10.92
3	322.00	10	7200.	1.4	1.4	0.3400
4	276.00	10	3224.	0.6	0.6	0.1609
5	256.00	8	4843.	0.9	0.9	0.2267
6	255.00	14	67460.	13.1	13.1	3.1500
7	254.00	17	516392.	100.0	100.0	*24.12
8	227.00	10	1662.	0.3	0.3	0.0770
9	226.00	8	16219.	3.1	3.1	0.7592
10	204.00	14	41650.	8.1	8.1	1.9495
11	199.00	8	5650.	1.1	1.1	0.2640
12	198.00	12	59967.	11.6	11.6	2.8069
13	185.00	6	1586.	0.3	0.3	0.0705
14	184.00	14	50024.	9.7	9.7	2.3415
15	179.00	6	4585.	0.9	0.9	0.2146
16	170.00	10	8459.	1.6	1.6	0.3959
17	176.00	6	5601.	1.1	1.1	0.2575
18	160.00	10	35695.	6.9	6.9	1.6700
19	157.00	17	174056.	33.0	33.0	8.1470
20	156.00	17	55707.	10.0	10.0	2.6075
21	151.00	8	4924.	1.0	1.0	0.2305
22	131.00	8	1260.	0.2	0.2	0.0594
23	130.00	10	6843.	1.3	1.3	0.3203
24	129.00	17	115060.	22.5	22.5	5.4234
25	128.00	12	50700.	9.8	9.8	2.3731
26	127.00	8	10865.	2.1	2.1	0.5006
27	115.00	6	1644.	0.3	0.3	0.0770
28	107.00	6	1541.	0.3	0.3	0.0721
29	104.00	8	2046.	0.4	0.4	0.0958
30	103.00	8	21501.	4.2	4.2	1.0064
31	102.00	14	78320.	15.2	15.2	3.6659
32	101.00	12	35535.	6.9	6.9	1.6633
33	100.00	6	1729.	0.3	0.3	0.0809
34	89.00	8	1179.	0.2	0.2	0.0552
35	87.00	8	2400.	0.5	0.5	0.1123
36	85.00	8	2416.	0.5	0.5	0.1131
37	84.00	6	1433.	0.3	0.3	0.0671
38	80.00	6	1394.	0.3	0.3	0.0652
39	79.00	6	3001.	0.6	0.6	0.1405
40	78.00	12	12603.	2.4	2.4	0.5899*
41	77.00	14	31374.	6.1	6.1	1.4685*
42	76.00	10	31301.	6.1	6.1	1.4661
43	75.00	12	35335.	6.9	6.9	1.6539*
44	74.00	14	16301.	3.2	3.2	0.7630*
45	73.00	6	1820.	0.4	0.4	0.0856
46	69.00	17	133252.	25.9	25.9	6.2371
47	67.00	8	4924.	1.0	1.0	0.2305
48	65.00	6	2230.	0.4	0.4	0.1044
49	63.00	12	15420.	3.0	3.0	0.7221
50	62.00	12	5713.	1.1	1.1	0.2674
51	61.00	10	1822.	0.4	0.4	0.0853
52	57.00	8	3386.	0.7	0.7	0.1585
53	56.00	6	1610.	0.3	0.3	0.0757
54	55.00	8	5310.	1.0	1.0	0.2485
55	54.00	8	1910.	0.4	0.4	0.0890

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	52.00	10	10676.	2.1	2.1	0.4997
57	51.00	14	39042.	7.7	7.7	1.8649
58	50.00	14	22470.	4.4	4.4	1.0521*
59	46.00	10	7776.	1.5	1.5	0.3639*
60	44.00	12	43791.	8.5	8.5	2.0497*
61	41.00	8	4274.	0.8	0.8	0.2001
62	40.00	10	2726.	0.5	0.5	0.1276
63	39.00	12	22243.	4.3	4.3	1.0411
64	38.00	8	1582.	0.3	0.3	0.0703
65	36.00	10	6440.	1.2	1.2	0.3014


11PK3.1 [TIC=3#472192, 1##%=6923528] EI
2-methylindole, N,3-di-(trifluoroacetyl) derivative
RELATIVE INTENSITY (%)
m/z
254
157
323
69
129
182
184
198
226
51
62
88

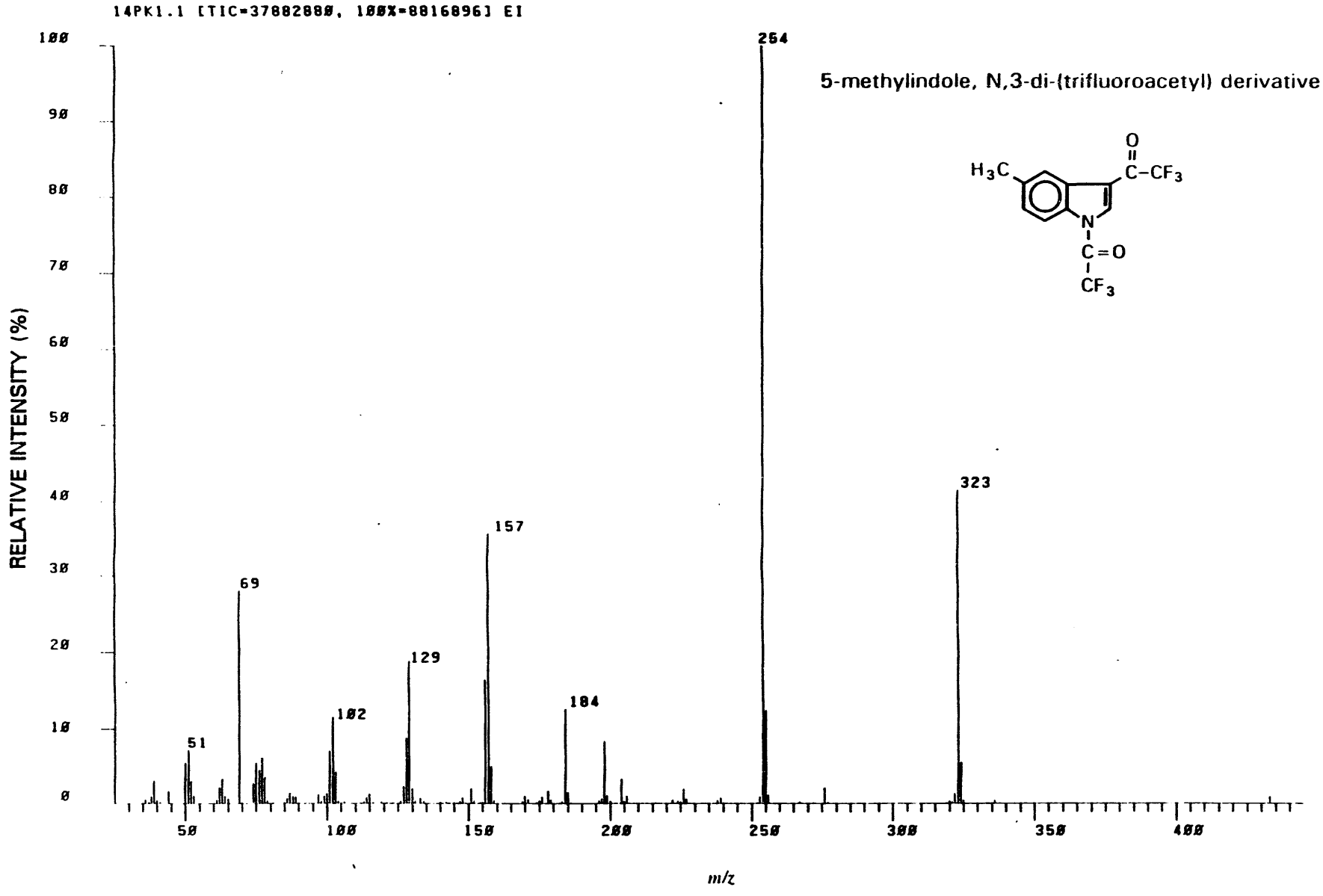
PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	326.00	12	2065.	0.0	0.0	0.0060
2	325.00	10	35070.	0.5	0.5	0.1161
3	324.00	21	403872.	5.8	5.8	1.3254*
4	323.00	29	2825856.	40.8	40.8	9.2736*
5	322.00	17	29746.	0.4	0.4	0.0976*
6	321.00	6	654.	0.0	0.0	0.0021
7	302.00	8	764.	0.0	0.0	0.0025
8	277.00	8	16312.	0.2	0.2	0.0535
9	276.00	14	125464.	1.8	1.8	0.4117
10	273.00	6	826.	0.0	0.0	0.0027
11	272.00	8	6437.	0.1	0.1	0.0211
12	257.00	6	2710.	0.0	0.0	0.0089
13	256.00	14	89564.	1.3	1.3	0.2939
14	255.00	29	910432.	13.1	13.1	2.9877*
15	254.00	43	6923520.	100.0	100.0	*22.72*
16	253.00	25	85576.	1.2	1.2	0.2808*
17	252.00	10	4389.	0.1	0.1	0.0144
18	251.00	6	557.	0.0	0.0	0.0018
19	250.00	8	1564.	0.0	0.0	0.0051
20	228.00	8	9510.	0.1	0.1	0.0312
21	227.00	14	83164.	1.2	1.2	0.2729
22	226.00	17	381056.	5.5	5.5	1.2505
23	225.00	8	20858.	0.3	0.3	0.0684
24	224.00	8	4691.	0.1	0.1	0.0154
25	219.00	6	736.	0.0	0.0	0.0024
26	216.00	8	1869.	0.0	0.0	0.0061
27	214.00	8	1344.	0.0	0.0	0.0044
28	213.00	6	1105.	0.0	0.0	0.0036
29	210.00	6	1688.	0.0	0.0	0.0055
30	208.00	6	1224.	0.0	0.0	0.0040
31	207.00	8	13519.	0.2	0.2	0.0444
32	206.00	12	50141.	0.7	0.7	0.1645
33	205.00	10	49524.	0.7	0.7	0.1625
34	204.00	17	341936.	4.9	4.9	1.1221*
35	203.00	6	932.	0.0	0.0	0.0031
36	202.00	8	1954.	0.0	0.0	0.0064
37	201.00	6	5824.	0.1	0.1	0.0191
38	200.00	12	15877.	0.2	0.2	0.0521*
39	199.00	14	54487.	0.8	0.8	0.1788*
40	198.00	17	397088.	5.7	5.7	1.3031
41	197.00	10	7520.	0.1	0.1	0.0247
42	196.00	8	17995.	0.3	0.3	0.0591
43	190.00	6	2211.	0.0	0.0	0.0073
44	187.00	6	1076.	0.0	0.0	0.0035
45	186.00	10	10194.	0.1	0.1	0.0335
46	185.00	14	121660.	1.8	1.8	0.3992
47	184.00	17	577952.	8.3	8.3	1.8967
48	183.00	6	3652.	0.1	0.1	0.0120
49	180.00	8	1681.	0.0	0.0	0.0055
50	179.00	12	57200.	0.8	0.8	0.1877
51	178.00	17	234000.	3.4	3.4	0.7682
52	177.00	8	8427.	0.1	0.1	0.0277
53	176.00	12	68212.	1.0	1.0	0.2238
54	175.00	8	17626.	0.3	0.3	0.0578
55	173.00	8	1355.	0.0	0.0	0.0044

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	172.00	14	67664.	1.0	1.0	0.2221
57	171.00	10	4451.	0.1	0.1	0.0146
58	170.00	10	7680.	0.1	0.1	0.0252
59	169.00	10	24729.	0.4	0.4	0.0812
60	167.00	8	1925.	0.0	0.0	0.0063
61	166.00	6	962.	0.0	0.0	0.0032
62	165.00	10	5005.	0.1	0.1	0.0191
63	164.00	6	2034.	0.0	0.0	0.0067
64	161.00	6	1191.	0.0	0.0	0.0039
65	160.00	8	13530.	0.2	0.2	0.0444
66	159.00	14	49113.	0.7	0.7	0.1612*
67	158.00	21	555664.	8.0	8.0	1.8235*
68	157.00	35	3220352.	46.5	46.5	*10.56*
69	156.00	17	231324.	3.3	3.3	0.7591*
70	155.00	6	883.	0.0	0.0	0.0029
71	152.00	10	36818.	0.5	0.5	0.1208
72	151.00	12	68104.	1.0	1.0	0.2235
73	150.00	8	5957.	0.1	0.1	0.0195
74	149.00	8	9753.	0.1	0.1	0.0320*
75	148.00	12	67112.	1.0	1 0	0.2202
76	147.00	10	23575.	0.3	0.3	0.0774
77	146.00	8	12678.	0.2	0.2	0.0416
78	145.00	8	14800.	0.2	6.2	0.0486
79	144.00	6	1507.	0.0	0.0	0.0049
80	143.00	8	4427.	0.1	0.1	0.0145
81	140.00	8	7858.	0.1	0.1	0.0258
82	139.00	8	3464.	0.1	0.1	0.0114
83	138.00	8	15190.	0.2	0.2	0.0498
84	137.00	14	116772.	1.7	1.7	0.3832
85	134.00	12	22618.	0.3	0.3	0.0742*
86	133.00	10	37386.	0.5	0.5	0.1227
87	132.00	8	9177.	0.1	0.1	0.0301
88	131.00	10	34753.	0.5	0.5	0.1140
89	130.00	17	168116.	2.4	2.4	0.5517*
90	129.00	25	1527296.	22.1	22.1	5.0121*
91	128.00	25	972560.	14.0	14.0	3.1916*
92	127.00	14	101500.	1.5	1.5	0.3334*
93	126.00	8	9174.	0.1	0.1	0.0301
94	124.00	6	1284.	0.0	0.0	0.0042
95	123.00	6	2858.	0.0	0.0	0.0094
96	121.00	8	12586.	0.2	0.2	0.0413
97	120.00	12	7409.	0.1	0.1	0.0243
98	119.00	12	20931.	0.3	0.3	0.0687
99	117.00	8	2199.	0.0	0.0	0.0072
100	116.00	12	4476.	0.1	0.1	0.0147
101	115.00	12	36904.	0.5	0.5	0.1211
102	114.00	10	39361.	0.6	0.6	0.1292
103	113.00	10	29046.	0.4	0.4	0.0953
104	112.00	10	5566.	0.1	0.1	0.0183
105	111.00	6	2925.	0.0	0.0	0.0096
106	110.00	6	1181.	0.0	0.0	0.0039
107	107.00	14	63742.	0.9	0.9	0.2092*
108	106.00	6	9456.	0.1	0.1	0.0310
109	105.00	12	8995.	0.1	0.1	0.0295
110	104.00	10	36391.	0.5	0.5	0.1194

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	103.00	21	371000.	5.4	5.4	1.2202*
112	102.00	25	1105472.	16.0	16.0	3.6270*
113	101.00	17	466656.	6.7	6.7	1.5314
114	100.00	17	97420.	1.4	1.4	0.3197*
115	99.00	12	65402.	0.9	0.9	0.2146
116	98.00	8	18202.	0.3	0.3	0.0597
117	97.00	14	93480.	1.4	1.4	0.3068*
118	95.00	8	8142.	0.1	0.1	0.0267
119	93.00	6	7477.	0.1	0.1	0.0245
120	90.00	8	16141.	0.2	0.2	0.0530
121	89.00	17	107752.	1.6	1.6	0.3536*
122	88.00	17	313760.	4.5	4.5	1.0297
123	87.00	17	230172.	3.3	3.3	0.7554
124	86.00	14	88984.	1.3	1.3	0.2920*
125	85.00	10	18576.	0.3	0.3	0.0610
126	81.00	10	29684.	0.4	0.4	0.0974
127	80.00	8	3765.	0.1	0.1	0.0124
128	79.00	12	43137.	0.6	0.6	0.1416*
129	78.00	17	213020.	3.1	3.1	0.6991
130	77.00	21	349960.	5.1	5.1	1.1485
131	76.00	17	303264.	4.4	4.4	0.9952
132	75.00	17	392512.	5.7	5.7	1.2881*
133	74.00	17	165032.	2.4	2.4	0.5416*
134	73.00	8	9245.	0.1	0.1	0.0303
135	70.00	10	18575.	0.3	0.3	0.0610
136	69.00	21	1788864.	25.8	25.8	5.8705
137	68.00	8	1434.	0.0	0.0	0.0047
138	66.00	8	2765.	0.0	0.0	0.0091
139	65.00	17	87792.	1.3	1.3	0.2881*
140	64.00	21	102780.	1.5	1.5	0.3373*
141	63.00	17	274704.	4.0	4.0	0.9015
142	62.00	17	349312.	5.0	5.0	1.1463
143	61.00	12	56140.	0.8	0.8	0.1842
144	57.00	12	18998.	0.3	0.3	0.0623
145	54.00	6	1485.	0.0	0.0	0.0049
146	53.00	10	24134.	0.3	0.3	0.0792
147	52.00	17	130148.	1.9	1.9	0.4271*
148	51.00	17	372000.	5.4	5.4	1.2210
149	50.00	21	312464.	4.5	4.5	1.0254
150	49.00	10	7506.	0.1	0.1	0.0246*
151	47.00	6	8338.	0.1	0.1	0.0274
152	45.00	10	11960.	0.2	0.2	0.0392
153	44.00	17	202096.	2.9	2.9	0.6632
154	43.00	8	10504.	0.2	0.2	0.0345
155	42.00	14	5256.	0.1	0.1	0.0172
156	41.00	10	13573.	0.2	0.2	0.0445
157	40.00	10	25829.	0.4	0.4	0.0848*
158	39.00	17	231856.	3.3	3.3	0.7609*
159	38.00	17	83060.	1.2	1.2	0.2726*
160	37.00	12	15989.	0.2	0.2	0.0525*
161	36.00	10	17607.	0.3	0.3	0.0578*


14PK1.1 [TIC=37882888, 100%=8816896] EI
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
50
100
150
200
250
300
350
400
m/z
254
323
157
69
129
184
102
51
5-methylindole, N,3-di-(trifluoroacetyl) derivative
H3C
O
C–CF3
N
C=O
CF3

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	434.00	8	14105.	0.2	0.2	0.0372
2	433.00	12	84964.	1.0	1.0	0.2243
3	414.00	6	577.	0.0	0.0	0.0015
4	364.00	8	867.	0.0	0.0	0.0023
5	337.00	6	985.	0.0	0.0	0.0026
6	336.00	10	42268.	0.5	0.5	0.1116
7	325.00	10	43415.	0.5	0.5	0.1146
8	324.00	21	495008.	5.6	5.6	1.3067
9	323.00	35	3657984.	41.5	41.5	9.6560*
10	322.00	17	126164.	1.4	1.4	0.3330*
11	321.00	12	28667.	0.3	0.3	0.0757*
12	320.00	12	33336.	0.4	0.4	0.0880
13	319.00	8	7908.	0.1	0.1	0.0209
14	318.00	10	1094.	0.0	0.0	0.0029
15	316.00	6	1004.	0.0	0.0	0.0027
16	308.00	6	968.	0.0	0.0	0.0026
17	294.00	6	604.	0.0	0.0	0.0016
18	289.00	6	1764.	0.0	0.0	0.0047
19	288.00	10	3390.	0.0	0.0	0.0089
20	282.00	6	916.	0.0	0.0	0.0024
21	277.00	10	23141.	0.3	0.3	0.0611
22	276.00	17	183932.	2.1	2.1	0.4855
23	272.00	8	11391.	0.1	0.1	0.0300
24	268.00	10	1535.	0.0	0.0	0.0041
25	267.00	8	24216.	0.3	0.3	0.0639
26	266.00	8	3354.	0.0	0.0	0.0089
27	258.00	8	1399.	0.0	0.0	0.0037
28	257.00	8	3342.	0.0	0.0	0.0088
29	256.00	17	104468.	1.2	1.2	0.2758*
30	255.00	25	1092416.	12.4	12.4	2.8837*
31	254.00	51	8816896.	100.0	100.0	*23.27*
32	253.00	25	82760.	0.9	0.9	0.2185*
33	252.00	10	16062.	0.2	0.2	0.0424
34	251.00	8	1953.	0.0	0.0	0.0052
35	245.00	6	1212.	0.0	0.0	0.0032
36	241.00	8	1360.	0.0	0.0	0.0036
37	240.00	10	9529.	0.1	0.1	0.0252
38	239.00	12	68308.	0.8	0.8	0.1803
39	238.00	10	41323.	0.5	0.5	0.1091
40	228.00	8	1241.	0.0	0.0	0.0033
41	227.00	12	55155.	0.6	0.6	0.1482
42	226.00	17	171072.	1.9	1.9	0.4516*
43	225.00	10	26396.	0.3	0.3	0.0694
44	224.00	12	33623.	0.4	0.4	0.0888
45	223.00	10	10441.	0.1	0.1	0.0276
46	222.00	12	45604.	0.5	0.5	0.1204*
47	220.00	6	1524.	0.0	0.0	0.0040
48	216.00	8	13072.	0.1	0.1	0.0345
49	211.00	8	3466.	0.0	0.0	0.0091
50	210.00	6	2513.	0.0	0.0	0.0066
51	207.00	8	6384.	0.1	0.1	0.0169
52	206.00	12	89504.	1.0	1.0	0.2363
53	205.00	10	33145.	0.4	0.4	0.0875
54	204.00	17	294144.	3.3	3.3	0.7765*
55	203.00	8	787.	0.0	0.0	0.0021

PAGE 2

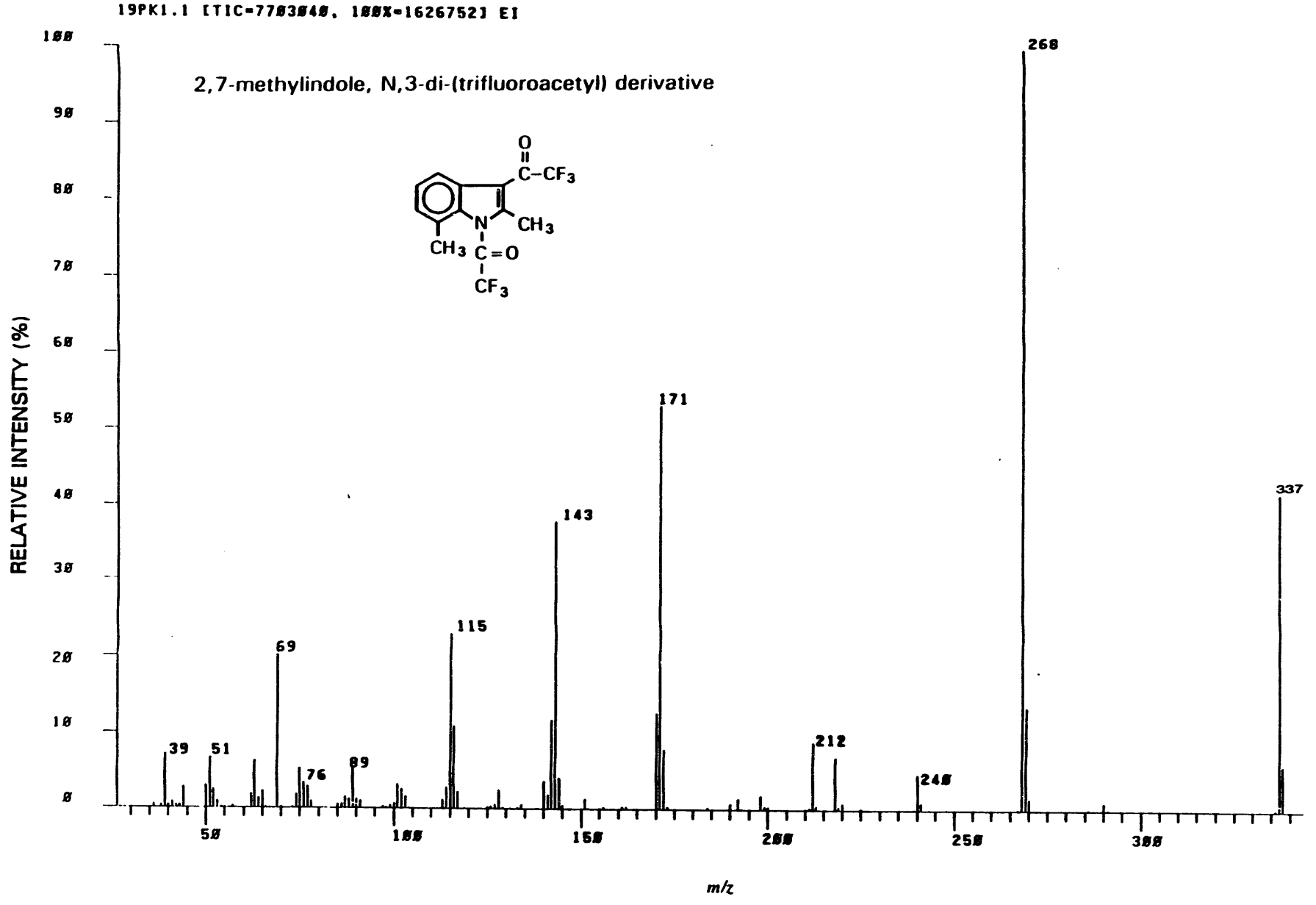
PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	202.00	10	10479.	0.1	0.1	0.0277
57	201.00	6	2405.	0.0	0.0	0.0066
58	200.00	17	29640.	0.3	0.3	0.0782*
59	199.00	17	101100.	1.1	1.1	0.2669*
60	198.00	21	739024.	8.4	8.4	1.9508
61	197.00	12	60138.	0.7	0.7	0.1587
62	196.00	12	42379.	0.5	0.5	0.1119
63	192.00	8	4779.	0.1	0.1	0.0126
64	190.00	8	2076.	0.0	0.0	0.0055
65	186.00	10	10540.	0.1	0.1	0.0278
66	185.00	14	138368.	1.6	1.6	0.3653
67	184.00	21	1112192.	12.6	12.6	2.9359
68	183.00	10	30545.	0.3	0.3	0.0806
69	182.00	8	9052.	0.1	0.1	0.0260
70	179.00	12	51834.	0.6	0.6	0.1368
71	178.00	17	151304.	1.7	1.7	0.3994
72	177.00	8	12692.	0.1	0.1	0.0335
73	176.00	14	82508.	0.9	0.9	0.2178
74	175.00	10	39861.	0.5	0.5	0.1052
75	174.00	10	17028.	0.2	0.2	0.0449
76	172.00	6	7039.	0.1	0.1	0.0186
77	171.00	12	52068.	0.6	0.6	0.1374
78	170.00	14	92644.	1.1	1.1	0.2446
79	169.00	12	35698.	0.4	0.4	0.0942
80	166.00	10	4152.	0.0	0.0	0.0110
81	165.00	6	2647.	0.0	0.0	0.0070
82	164.00	8	5126.	0.1	0.1	0.0135
83	163.00	8	7167.	0.1	0.1	0.0189
84	160.00	8	6384.	0.1	0.1	0.0169
85	159.00	12	40528.	0.5	0.5	0.1070
86	158.00	17	448352.	5.1	5.1	1.1835
87	157.00	35	3142144.	35.6	35.6	8.2944*
88	156.00	25	1450816.	16.5	16.5	3.8297*
89	155.00	14	23679.	0.3	0.3	0.0625*
90	154.00	8	16604.	0.2	0.2	0.0438
91	152.00	12	37976.	0.4	0.4	0.1002
92	151.00	17	176184.	2.0	2.0	0.4651
93	149.00	10	10905.	0.1	0.1	0.0288
94	148.00	14	78000.	0.9	0.9	0.2059
95	147.00	10	33779.	0.4	0.4	0.0892*
96	146.00	8	9524.	0.1	0.1	0.0251
97	145.00	10	15301.	0.2	0.2	0.0404
98	144.00	8	1582.	0.0	0.0	0.0042
99	143.00	12	10292.	0.1	0.1	0.0272
100	142.00	10	25005.	0.3	0.3	0.0660
101	141.00	6	3476.	0.0	0.0	0.0092
102	140.00	10	21649.	0.2	0.2	0.0571
103	139.00	6	3567.	0.0	0.0	0.0094
104	138.00	8	2243.	0.0	0.0	0.0059
105	135.00	8	3749.	0.0	0.0	0.0099
106	134.00	10	33568.	0.4	0.4	0.0886
107	133.00	12	68096.	0.8	0.8	0.1798
108	132.00	8	3055.	0.0	0.0	0.0081
109	131.00	14	44302.	0.5	0.5	0.1169*
110	130.00	17	181408.	2.1	2.1	0.4791

PAGE 3

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	129.00	25	1653952.	18.8	18.8	4.3660*
112	128.00	21	769808.	8.7	8.7	2.0321*
113	127.00	21	209972.	2.4	2.4	0.5543*
114	126.00	10	30509.	0.3	0.3	0.0805
115	125.00	10	6783.	0.1	0.1	0.0179
116	123.00	8	7367.	0.1	0.1	0.0194
117	122.00	6	906.	0.0	0.0	0.0024
118	121.00	10	15544.	0.2	0.2	0.0410
119	120.00	10	18242.	0.2	0.2	0.0482
120	119.00	10	22341.	0.3	0.3	0.0590
121	117.00	6	1444.	0.0	0.0	0.0038
122	116.00	8	18963.	0.2	0.2	0.0501
123	115.00	14	115592.	1.3	1.3	0.3051
124	114.00	12	77668.	0.9	0.9	0.2050
125	113.00	10	22267.	0.3	0.3	0.0588
126	112.00	8	7361.	0.1	0.1	0.0194
127	111.00	6	1407.	0.0	0.0	0.0037
128	109.00	8	1289.	0.0	0.0	0.0034
129	107.00	8	2405.	0.0	0.0	0.0063
130	106.00	10	22571.	0.3	0.3	0.0596*
131	105.00	8	8229.	0.1	0.1	0.0217*
132	104.00	10	35511.	0.4	0.4	0.0937
133	103.00	21	383456.	4.3	4.3	1.0122*
134	102.00	21	1017904.	11.5	11.5	2.6870
135	101.00	17	629952.	7.1	7.1	1.6629
136	100.00	17	120908.	1.4	1.4	0.3192
137	99.00	14	93260.	1.1	1.1	0.2462*
138	98.00	12	35922.	0.4	0.4	0.0948
139	97.00	17	103296.	1.2	1.2	0.2727
140	95.00	12	4087.	0.0	0.0	0.0108*
141	94.00	8	2464.	0.0	0.0	0.0065
142	93.00	10	3861.	0.0	0.0	0.0102*
143	92.00	10	2510.	0.0	0.0	0.0066
144	91.00	8	1215.	0.0	0.0	0.0032
145	90.00	8	12220.	0.1	0.1	0.0323
146	89.00	14	83416.	0.9	0.9	0.2202
147	88.00	17	92840.	1.1	1.1	0.2451
148	87.00	17	128876.	1.5	1.5	0.3402
149	86.00	14	60252.	0.7	0.7	0.1590*
150	85.00	10	19981.	0.2	0.2	0.0527
151	81.00	10	21770.	0.2	0.2	0.0575
152	80.00	10	3202.	0.0	0.0	0.0085
153	79.00	10	43407.	0.5	0.5	0.1146
154	78.00	35	320224.	3.6	3.6	0.8453*
155	77.00	21	544112.	6.2	6.2	1.4363
156	76.00	21	415840.	4.7	4.7	1.0977
157	75.00	21	485664.	5.5	5.5	1.2820
158	74.00	17	245940.	2.8	2.8	0.6492
159	73.00	8	12456.	0.1	0.1	0.0329
160	70.00	8	17201.	0.2	0.2	0.0454*
161	69.00	25	2469632.	28.0	28.0	6.5191*
162	66.00	8	7984.	0.1	0.1	0.0211
163	65.00	17	62575.	0.7	0.7	0.1652*
164	64.00	17	88800.	1.0	1.0	0.2344*
165	63.00	17	295456.	3.4	3.4	0.7799*

PAGE 4

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
166	62.00	17	191480.	2.2	2.2	0.5055
167	61.00	12	49941.	0.6	0.6	0.1318
168	59.00	6	1921.	0.0	0.0	0.0051
169	57.00	8	5903.	0.1	0.1	0.0156
170	55.00	6	1214.	0.0	0.0	0.0032
171	54.00	6	3322.	0.0	0.0	0.0088
172	53.00	21	96748.	1.1	1.1	0.2554*
173	52.00	21	273968.	3.1	3.1	0.7232
174	51.00	21	635664.	7.2	7.2	1.6780
175	50.00	21	485648.	5.5	5.5	1.2820
176	49.00	10	4822.	0.1	0.1	0.0127
177	47.00	8	3750.	0.0	0.0	0.0099
178	45.00	10	5547.	0.1	0.1	0.0146
179	44.00	17	147416.	1.7	1.7	0.3891
180	41.00	10	26460.	0.3	0.3	0.0698
181	40.00	17	51191.	0.6	0.6	0.1351*
182	39.00	21	273008.	3.1	3.1	0.7209
183	38.00	17	89812.	1.0	1.0	0.2371*
184	37.00	10	23636.	0.3	0.3	0.0624
185	36.00	12	59257.	0.7	0.7	0.1564


19PK1.1 [TIC=7703040, 100%=16267521] EI
2,7-methylindole, N,3-di-(trifluoroacetyl) derivative
RELATIVE INTENSITY (%)
m/z
268
171
337
143
115
69
39
51
76
89
212
248

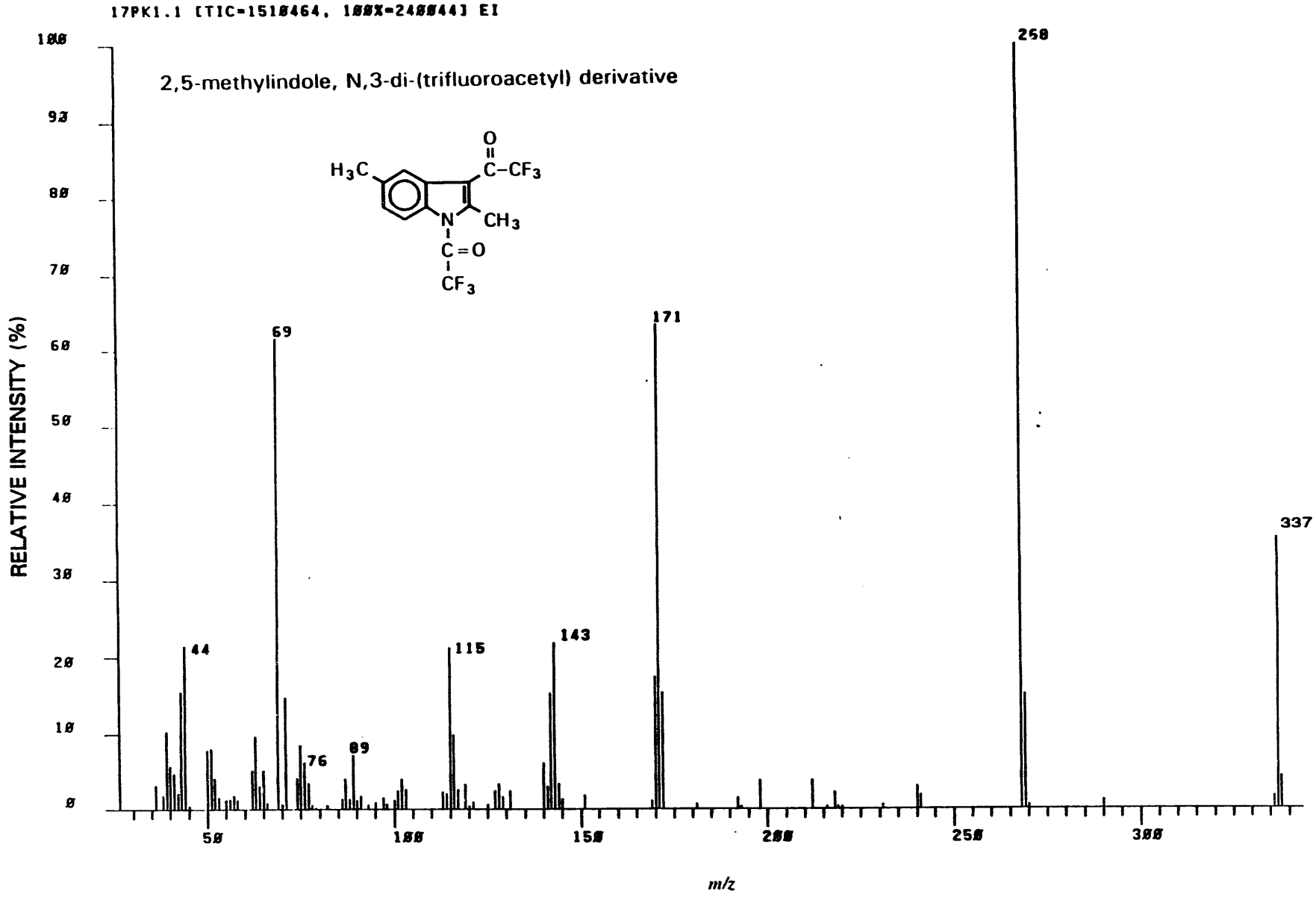
PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	338.00	14	100052.	6.2	6.2	1.2989
2	337.00	21	679088.	41.7	41.7	8.8158
3	336.00	12	4348.	0.3	0.3	0.0564*
4	291.00	8	2774.	0.2	0.2	0.0360
5	290.00	12	17327.	1.1	1.1	0.2249
6	286.00	8	3784.	0.2	0.2	0.0491
7	270.00	12	25106.	1.5	1.5	0.3259
8	269.00	17	221420.	13.6	13.6	2.8744
9	268.00	29	1626752.	100.0	100.0	*21.11*
10	267.00	10	3015.	0.2	0.2	0.0391*
11	248.00	8	1923.	0.1	0.1	0.0250
12	241.00	12	14715.	0.9	0.9	0.1910
13	240.00	17	77160.	4.7	4.7	1.0017
14	239.00	6	1523.	0.1	0.1	0.0198
15	225.00	8	3355.	0.2	0.2	0.0436
16	222.00	6	548.	0.0	0.0	0.0071
17	220.00	12	14082.	0.9	0.9	0.1828
18	219.00	10	7518.	0.5	0.5	0.0976
19	218.00	14	113516.	7.0	7.0	1.4737
20	213.00	10	9552.	0.6	0.6	0.1240
21	212.00	17	144536.	8.9	8.9	1.8764
22	211.00	8	4107.	0.3	0.3	0.0533
23	210.00	12	2050.	0.1	0.1	0.0266
24	200.00	10	6307.	0.4	0.4	0.0819
25	199.00	10	7213.	0.4	0.4	0.0936
26	198.00	12	30014.	1.8	1.8	0.3896
27	193.00	8	2125.	0.1	0.1	0.0276
28	192.00	14	23059.	1.4	1.4	0.2993
29	190.00	10	12553.	0.8	0.8	0.1630
30	185.00	8	1225.	0.1	0.1	0.0159
31	184.00	10	4223.	0.3	0.3	0.0548
32	173.00	10	6433.	0.4	0.4	0.0835
33	172.00	14	128700.	7.9	7.9	1.6700
34	171.00	21	863824.	53.1	53.1	*11.21
35	170.00	17	207056.	12.7	12.7	2.6880*
36	169.00	6	1554.	0.1	0.1	0.0202
37	164.00	6	2502.	0.2	0.2	0.0325
38	162.00	8	6163.	0.4	0.4	0.0800
39	161.00	8	5743.	0.4	0.4	0.0746
40	159.00	6	1263.	0.1	0.1	0.0164
41	156.00	10	4384.	0.3	0.3	0.0569
42	155.00	6	1601.	0.1	0.1	0.0208
43	152.00	8	1378.	0.1	0.1	0.0179
44	151.00	10	22886.	1.4	1.4	0.2971
45	145.00	8	8322.	0.5	0.5	0.1000
46	144.00	14	67284.	4.1	4.1	0.8735
47	143.00	17	613424.	37.7	37.7	7.9634
48	142.00	17	191740.	11.8	11.8	2.4891
49	141.00	12	31323.	1.9	1.9	0.4066
50	140.00	14	60081.	3.7	3.7	0.7800
51	138.00	10	1572.	0.1	0.1	0.0204
52	134.00	8	10713.	0.7	0.7	0.1391
53	133.00	8	3612.	0.2	0.2	0.0469
54	131.00	10	1630.	0.1	0.1	0.0212
55	129.00	10	3959.	0.2	0.2	0.0514

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	128.00	14	40593.	2.5	2.5	0.5270
57	127.00	8	10153.	0.6	0.6	0.1318
58	126.00	10	6027.	0.4	0.4	0.0782
59	125.00	10	5022.	0.3	0.3	0.0652
60	123.00	6	727.	0.0	0.0	0.0094
61	120.00	8	1060.	0.1	0.1	0.0139
62	119.00	8	2162.	0.1	0.1	0.0279
63	118.00	6	1692.	0.1	0.1	0.0220
64	117.00	10	37630.	2.3	2.3	0.4886
65	116.00	17	177100.	10.9	10.9	2.2991
66	115.00	21	372360.	22.9	22.9	4.8340
67	114.00	14	46704.	2.9	2.9	0.6063*
68	113.00	12	20017.	1.2	1.2	0.2599
69	104.00	8	2911.	0.2	0.2	0.0378
70	103.00	12	27058.	1.7	1.7	0.3513
71	102.00	14	42093.	2.6	2.6	0.5464
72	101.00	12	51501.	3.2	3.2	0.6686
73	100.00	8	12029.	0.7	0.7	0.1562
74	99.00	8	7454.	0.5	0.5	0.0968
75	98.00	6	2870.	0.2	0.2	0.0373
76	97.00	12	5337.	0.3	0.3	0.0693
77	95.00	8	961.	0.1	0.1	0.0125
78	91.00	10	17372.	1.1	1.1	0.2255
79	90.00	17	21442.	1.3	1.3	0.2784
80	89.00	14	89320.	5.5	5.5	1.1595
81	88.00	12	20509.	1.3	1.3	0.2662
82	87.00	12	24821.	1.5	1.5	0.3222
83	86.00	10	10687.	0.7	0.7	0.1387
84	85.00	8	9492.	0.6	0.6	0.1232
85	81.00	6	1446.	0.1	0.1	0.0188
86	80.00	6	683.	0.0	0.0	0.0089
87	78.00	10	16015.	1.0	1.0	0.2079
88	77.00	12	47799.	2.9	2.9	0.6205
89	76.00	12	55505.	3.4	3.4	0.7206
90	75.00	17	86780.	5.3	5.3	1.1266*
91	74.00	10	31186.	1.9	1.9	0.4049
92	73.00	12	3542.	0.2	0.2	0.0460
93	72.00	6	426.	0.0	0.0	0.0055
94	70.00	8	3864.	0.2	0.2	0.0502
95	69.00	21	326288.	20.1	20.1	4.2358
96	67.00	6	2225.	0.1	0.1	0.0289
97	66.00	8	2998.	0.2	0.2	0.0389
98	65.00	12	36704.	2.3	2.3	0.4775
99	64.00	12	22911.	1.4	1.4	0.2974
100	63.00	17	103212.	6.3	6.3	1.3399*
101	62.00	14	30797.	1.9	1.9	0.3998*
102	61.00	6	1753.	0.1	0.1	0.0228
103	58.00	8	1918.	0.1	0.1	0.0249
104	57.00	8	5444.	0.3	0.3	0.0707
105	56.00	6	2019.	0.1	0.1	0.0262
106	55.00	8	2507.	0.2	0.2	0.0325
107	54.00	8	3395.	0.2	0.2	0.0441
108	53.00	14	15070.	0.9	0.9	0.1956*
109	52.00	12	41231.	2.5	2.5	0.5353
110	51.00	17	110616.	6.8	6.8	1.4360

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	50.00	14	49577.	3.0	3.0	0.6436*
112	45.00	6	1151.	0.1	0.1	0.0149
113	44.00	17	46808.	2.9	2.9	0.6077
114	43.00	10	7460.	0.5	0.5	0.0968
115	42.00	8	6863.	0.4	0.4	0.0891
116	41.00	10	14639.	0.9	0.9	0.1900
117	40.00	8	8015.	0.5	0.5	0.1040
118	39.00	17	116656.	7.2	7.2	1.5144
119	38.00	10	7389.	0.5	0.5	0.0959*
120	36.00	8	8864.	0.5	0.5	0.1151

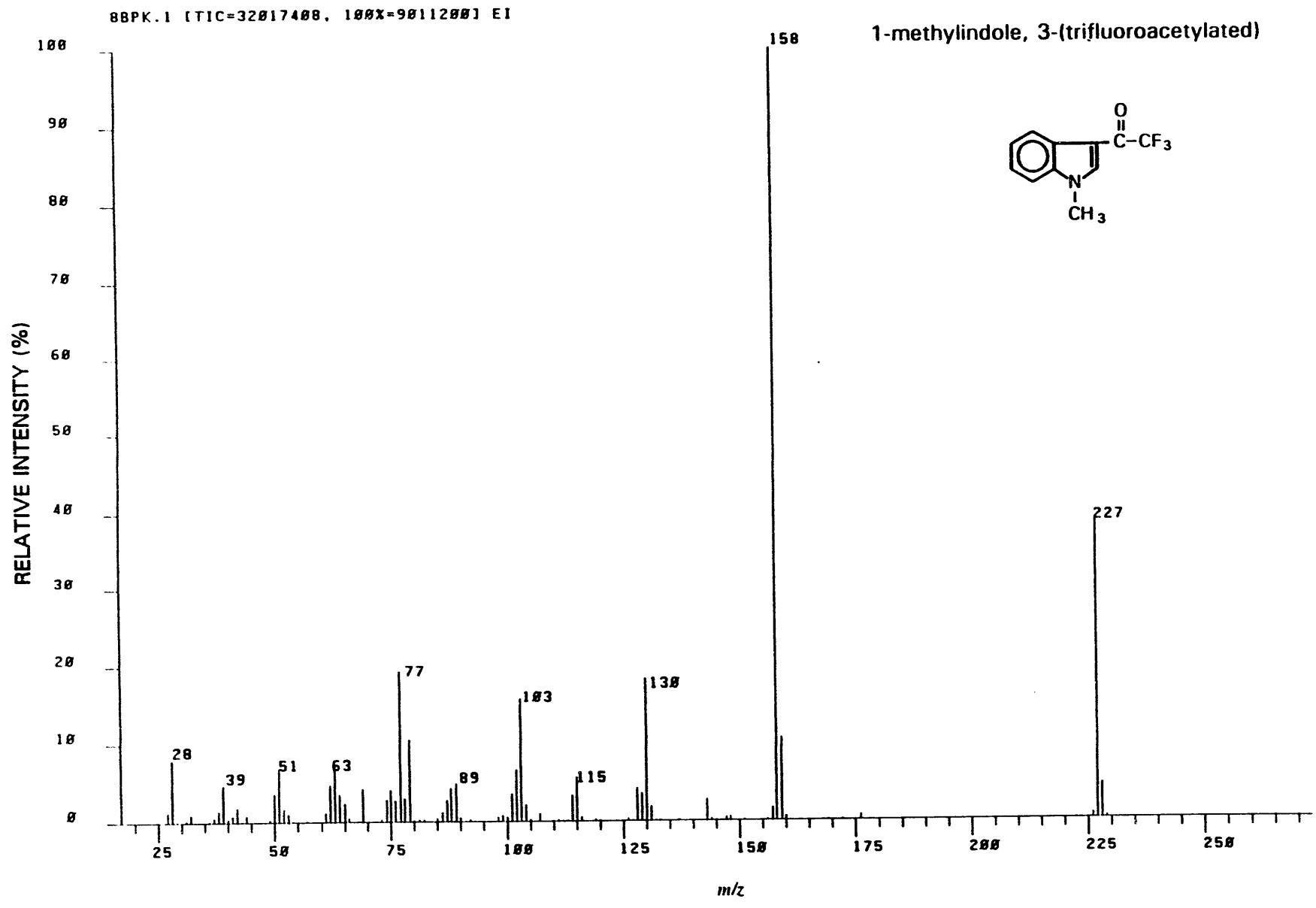

17PK1.1 [TIC=1518464, 100%=2480444] EI
2,5-methylindole, N,3-di-(trifluoroacetyl) derivative
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
50
100
150
200
250
300
m/z
258
171
69
337
44
115
143
76
89

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	339.00	6	941.	0.3	0.3	0.0459
2	338.00	12	14644.	4.2	4.2	0.7142
3	337.00	17	114700.	33.2	33.2	5.5943
4	336.00	8	4101.	1.2	1.2	0.2000
5	290.00	10	2842.	0.8	0.8	0.1386
6	270.00	8	2612.	0.8	0.8	0.1274
7	269.00	17	48224.	13.9	13.9	2.3519
8	268.00	21	345824.	100.0	100.0	*16.86
9	243.00	8	1263.	0.4	0.4	0.0616
10	241.00	10	8949.	2.6	2.6	0.4364
11	240.00	10	10106.	2.9	2.9	0.4929
12	231.00	6	1461.	0.4	0.4	0.0713
13	220.00	6	1006.	0.3	0.3	0.0491
14	219.00	8	1161.	0.3	0.3	0.0566
15	218.00	8	5203.	1.5	1.5	0.2538
16	216.00	6	849.	0.2	0.2	0.0414
17	212.00	10	12449.	3.6	3.6	0.6071
18	198.00	10	11863.	3.4	3.4	0.5786
19	193.00	6	935.	0.3	0.3	0.0456
20	192.00	8	5002.	1.7	1.7	0.2030
21	181.00	6	1745.	0.5	0.5	0.0851
22	172.00	14	49470.	14.3	14.3	2.4127
23	171.00	21	199888.	57.8	57.8	9.7486
24	170.00	17	61607.	17.8	17.8	3.0046
25	169.00	8	6141.	1.8	1.8	0.2995
26	151.00	8	5732.	1.7	1.7	0.2796
27	145.00	8	3264.	0.9	0.9	0.1592
28	144.00	8	10548.	3.1	3.1	0.5144
29	143.00	12	67000.	19.4	19.4	3.2676*
30	142.00	17	49794.	14.4	14.4	2.4285
31	141.00	12	11448.	3.3	3.3	0.5583
32	140.00	14	19916.	5.8	5.8	0.9713
33	133.00	6	982.	0.3	0.3	0.0479
34	131.00	8	5915.	1.7	1.7	0.2885
35	129.00	10	4019.	1.2	1.2	0.1960
36	128.00	10	10855.	3.1	3.1	0.5294
37	127.00	12	5900.	1.7	1.7	0.2877
38	125.00	10	1500.	0.4	0.4	0.0735
39	121.00	10	2248.	0.7	0.7	0.1096
40	120.00	6	1090.	0.3	0.3	0.0535
41	119.00	12	10493.	3.0	3.0	0.5074
42	117.00	10	9992.	2.9	2.9	0.4873
43	116.00	17	32600.	9.4	9.4	1.5899
44	115.00	17	69000.	20.0	20.0	3.3651
45	114.00	10	5006.	1.4	1.4	0.2441
46	113.00	10	8740.	2.5	2.5	0.4263
47	103.00	10	6260.	1.8	1.8	0.3053
48	102.00	14	12711.	3.7	3.7	0.6199
49	101.00	12	9309.	2.7	2.7	0.4540
50	100.00	12	4293.	1.2	1.2	0.2094*
51	99.00	8	1643.	0.5	0.5	0.0801
52	98.00	6	1695.	0.5	0.5	0.0827
53	97.00	12	3691.	1.1	1.1	0.1800*
54	95.00	8	3346.	1.0	1.0	0.1632
55	93.00	6	1532.	0.4	0.4	0.0747

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	91.00	14	4400.	1.3	1.3	0.2146
57	90.00	8	4473.	1.3	1.3	0.2181
58	89.00	17	24991.	7.2	7.2	1.2188
59	88.00	10	4960.	1.4	1.4	0.2419
60	87.00	14	13512.	3.9	3.9	0.6590
61	86.00	8	3293.	1.0	1.0	0.1606
62	82.00	6	1325.	0.4	0.4	0.0646
63	81.00	10	3553.	1.0	1.0	0.1733
64	79.00	6	433.	0.1	0.1	0.0211
65	78.00	8	3400.	1.0	1.0	0.1658
66	77.00	10	8226.	2.4	2.4	0.4012
67	76.00	14	19043.	5.5	5.5	0.9287
68	75.00	17	28973.	8.4	8.4	1.4130
69	74.00	14	9810.	2.8	2.8	0.4784
70	73.00	8	1614.	0.5	0.5	0.0787
71	71.00	21	59865.	17.3	17.3	2.9196
72	70.00	8	1804.	0.5	0.5	0.0880
73	69.00	21	182704.	52.9	52.9	8.9144
74	68.00	6	2003.	0.6	0.6	0.1016
75	66.00	8	2040.	0.6	0.6	0.0995
76	65.00	12	17541.	5.1	5.1	0.8555
77	64.00	10	11137.	3.2	3.2	0.5432
78	63.00	17	28370.	8.2	8.2	1.3836
79	62.00	12	14037.	4.1	4.1	0.6846
80	58.00	6	3020.	0.9	0.9	0.1477
81	57.00	8	6946.	2.0	2.0	0.3388
82	56.00	8	7861.	2.3	2.3	0.3834
83	55.00	8	5788.	1.7	1.7	0.2823
84	53.00	12	6802.	2.0	2.0	0.3317
85	52.00	14	16020.	4.6	4.6	0.7813
86	51.00	12	26700.	7.7	7.7	1.3061
87	50.00	17	24715.	7.1	7.1	1.2054
88	45.00	6	1095.	0.3	0.3	0.0534
89	44.00	17	60438.	17.5	17.5	2.9476
90	43.00	12	51122.	14.8	14.8	2.4932
91	42.00	10	5352.	1.5	1.5	0.2610
92	41.00	12	19507.	5.6	5.6	0.9514*
93	40.00	10	17691.	5.1	5.1	0.8628
94	39.00	17	37203.	10.8	10.8	1.8103
95	38.00	10	6436.	1.9	1.9	0.3139
96	36.00	8	7673.	2.2	2.2	0.3742


88PK.1 [TIC=32017408, 100%=9011200] EI
1-methylindole, 3-(trifluoroacetylated)
O
C–CF3
N
CH3
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
158
227
77
103
130
28
39
51
63
89
115
25
50
75
100
125
150
175
200
225
250
m/z

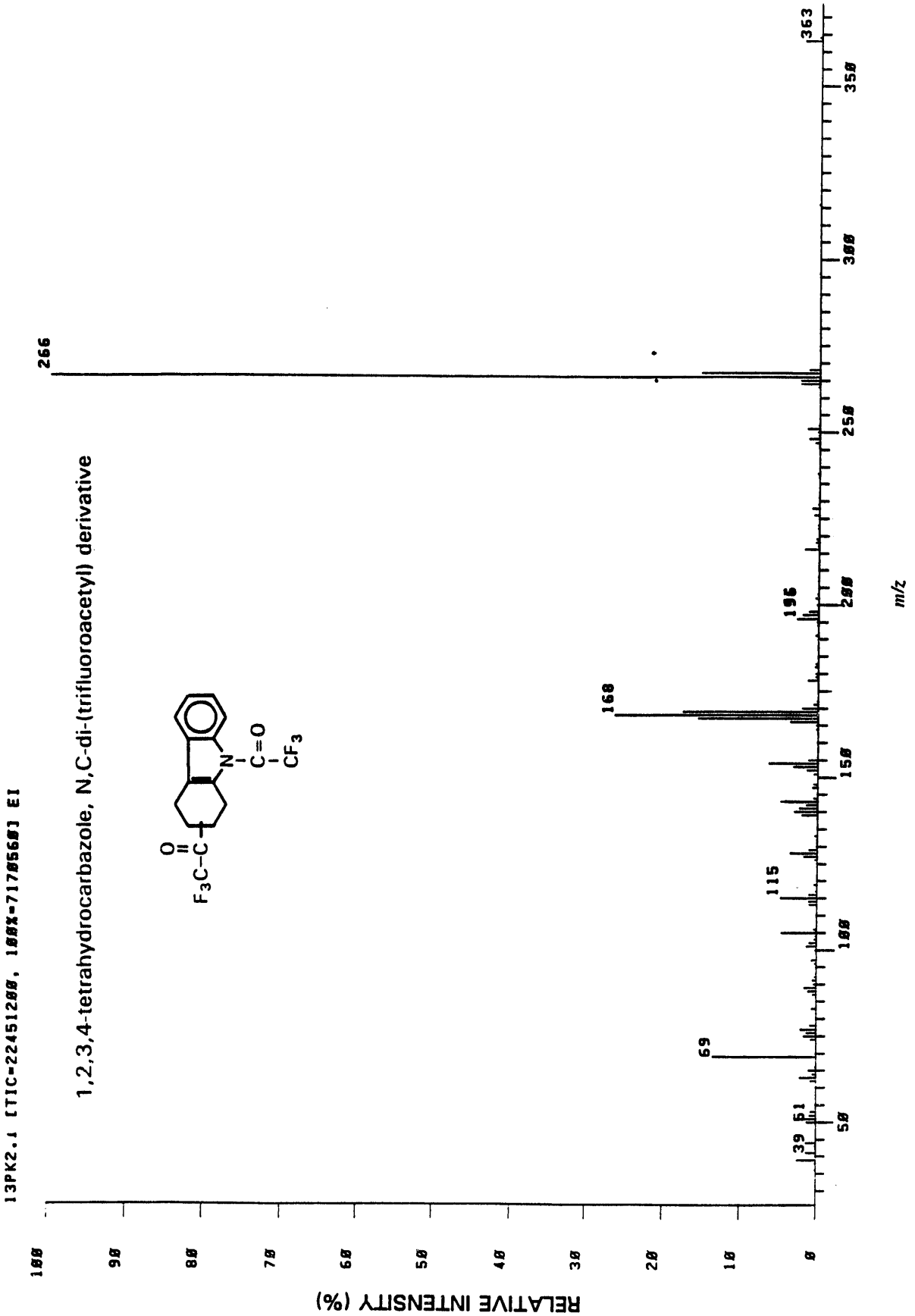
PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	265.00	10	10394.	0.1	0.1	0.0325
2	253.00	6	912.	0.0	0.0	0.0028
3	229.00	12	30731.	0.3	0.3	0.0960*
4	228.00	25	412144.	4.6	4.6	1.2872*
5	227.00	43	3503296.	38.9	38.9	*10.94*
6	226.00	17	62823.	0.7	0.7	0.1962*
7	225.00	6	1299.	0.0	0.0	0.0041
8	219.00	6	1186.	0.0	0.0	0.0037
9	211.00	8	6731.	0.1	0.1	0.0210
10	209.00	6	965.	0.0	0.0	0.0030
11	207.00	6	1824.	0.0	0.0	0.0057
12	199.00	6	471.	0.0	0.0	0.0015
13	198.00	8	841.	0.0	0.0	0.0026
14	196.00	8	1864.	0.0	0.0	0.0058
15	184.00	8	6156.	0.1	0.1	0.0192
16	183.00	8	1921.	0.0	0.0	0.0060
17	180.00	8	3274.	0.0	0.0	0.0102
18	178.00	8	2479.	0.0	0.0	0.0077
19	176.00	14	62706.	0.7	0.7	0.1958
20	172.00	10	17602.	0.2	0.2	0.0550
21	170.00	6	920.	0.0	0.0	0.0029
22	169.00	10	9752.	0.1	0.1	0.0305
23	168.00	10	12917.	0.1	0.1	0.0403
24	167.00	8	3434.	0.0	0.0	0.0107
25	166.00	8	1836.	0.0	0.0	0.0057
26	164.00	8	3728.	0.0	0.0	0.0116
27	163.00	8	1247.	0.0	0.0	0.0039
28	161.00	8	5685.	0.1	0.1	0.0178
29	160.00	14	60788.	0.7	0.7	0.1899
30	159.00	35	952112.	10.6	10.6	2.9737*
31	158.00	71	9011200.	100.0	100.0	*28.14*
32	157.00	35	152292.	1.7	1.7	0.4757*
33	156.00	14	25927.	0.3	0.3	0.0810*
34	151.00	10	18529.	0.2	0.2	0.0579
35	149.00	8	3867.	0.0	0.0	0.0121
36	148.00	14	60310.	0.7	0.7	0.1884
37	147.00	14	44570.	0.5	0.5	0.1392
38	146.00	8	8914.	0.1	0.1	0.0278
39	145.00	8	7456.	0.1	0.1	0.0233
40	144.00	10	30921.	0.3	0.3	0.0966
41	143.00	17	254388.	2.8	2.8	0.7945
42	142.00	6	2925.	0.0	0.0	0.0091
43	140.00	8	1029.	0.0	0.0	0.0032
44	137.00	10	18530.	0.2	0.2	0.0579
45	134.00	10	5574.	0.1	0.1	0.0174
46	133.00	10	15221.	0.2	0.2	0.0475
47	132.00	8	12294.	0.1	0.1	0.0384
48	131.00	17	171820.	1.9	1.9	0.5366*
49	130.00	35	1644864.	18.3	18.3	5.1374*
50	129.00	17	328880.	3.6	3.6	1.0272
51	128.00	21	384112.	4.3	4.3	1.1997
52	127.00	14	20680.	0.2	0.2	0.0646*
53	126.00	17	32098.	0.4	0.4	0.1003*
54	124.00	8	1482.	0.0	0.0	0.0046
55	123.00	8	1386.	0.0	0.0	0.0043

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	121.00	8	5538.	0.1	0.1	0.0173
57	120.00	10	9843.	0.1	0.1	0.0307
58	119.00	10	26652.	0.3	0.3	0.0832
59	118.00	6	1357.	0.0	0.0	0.0042
60	117.00	8	5575.	0.1	0.1	0.0174
61	116.00	14	55547.	0.6	0.6	0.1735
62	115.00	21	515800.	5.7	5.7	1.6113
63	114.00	25	298800.	3.3	3.3	0.9332*
64	113.00	10	15846.	0.2	0.2	0.0495*
65	112.00	10	9707.	0.1	0.1	0.0303
66	111.00	17	24115.	0.3	0.3	0.0753*
67	110.00	12	11397.	0.1	0.1	0.0356*
68	109.00	6	2592.	0.0	0.0	0.0081
69	108.00	12	5726.	0.1	0.1	0.0179*
70	107.00	43	93924.	1.0	1.0	0.2934*
71	106.00	14	13169.	0.1	0.1	0.0411*
72	105.00	10	23496.	0.3	0.3	0.0734*
73	104.00	17	199496.	2.2	2.2	0.6231
74	103.00	29	1410944.	15.7	15.7	4.4318*
75	102.00	21	599824.	6.7	6.7	1.8734*
76	101.00	21	324064.	3.6	3.6	1.0121*
77	100.00	14	53695.	0.6	0.6	0.1677*
78	99.00	21	72072.	0.8	0.8	0.2251*
79	98.00	14	53804.	0.6	0.6	0.1680
80	97.00	8	3578.	0.0	0.0	0.0112
81	96.00	6	1182.	0.0	0.0	0.0037
82	95.00	8	6607.	0.1	0.1	0.0206
83	94.00	8	4355.	0.0	0.0	0.0136
84	93.00	12	12843.	0.1	0.1	0.0401
85	92.00	12	27155.	0.3	0.3	0.0848
86	91.00	8	6625.	0.1	0.1	0.0207
87	90.00	12	52428.	0.6	0.6	0.1637
88	89.00	21	447392.	5.0	5.0	1.3973
89	88.00	17	390112.	4.3	4.3	1.2184
90	87.00	17	251020.	2.8	2.8	0.7840
91	86.00	17	108692.	1.2	1.2	0.3395
92	85.00	17	41559.	0.5	0.5	0.1298
93	84.00	8	3670.	0.0	0.0	0.0115
94	82.00	17	22547.	0.3	0.3	0.0704*
95	81.00	14	28603.	0.3	0.3	0.0893*
96	80.00	10	17251.	0.2	0.2	0.0539*
97	79.00	35	943440.	10.5	10.5	2.9466*
98	78.00	35	270960.	3.0	3.0	0.8463*
99	77.00	25	1729728.	19.2	19.2	5.4025*
100	76.00	17	249444.	2.8	2.8	0.7791
101	75.00	21	372352.	4.1	4.1	1.1630
102	74.00	25	257044.	2.9	2.9	0.8028*
103	73.00	12	36825.	0.4	0.4	0.1150
104	69.00	21	382256.	4.2	4.2	1.1939
105	68.00	8	7977.	0.1	0.1	0.0249
106	67.00	8	1957.	0.0	0.0	0.0061
107	66.00	14	48363.	0.5	0.5	0.1511*
108	65.00	25	214132.	2.4	2.4	0.6688*
109	64.00	35	322944.	3.6	3.6	1.0087*
110	63.00	25	646368.	7.2	7.2	2.0188*

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. MREF	% TOT. ION
111	62.00	21	441680.	4.9	4.9	1.3795
112	61.00	17	110432.	1.2	1.2	0.3449
113	60.00	6	4273.	0.0	0.0	0.0133
114	58.00	8	2449.	0.0	0.0	0.0076
115	57.00	8	16162.	0.2	0.2	0.0505
116	55.00	8	5800.	0.1	0.1	0.0181
117	54.00	8	20387.	0.2	0.2	0.0637
118	53.00	21	94044.	1.0	1.0	0.2937
119	52.00	17	150784.	1.7	1.7	0.4709
120	51.00	35	623808.	6.9	6.9	1.9483*
121	50.00	25	334464.	3.7	3.7	1.0446*
122	49.00	12	33767.	0.4	0.4	0.1055*
123	46.00	6	1307.	0.0	0.0	0.0041
124	45.00	10	6758.	0.1	0.1	0.0211
125	44.00	17	78264.	0.9	0.9	0.2444*
126	43.00	10	10589.	0.1	0.1	0.0331
127	42.00	17	166396.	1.8	1.8	0.5197
128	41.00	17	73644.	0.8	0.8	0.2300
129	40.00	12	41750.	0.5	0.5	0.1304
130	39.00	21	436912.	4.8	4.8	1.3459
131	38.00	21	132264.	1.5	1.5	0.4131*
132	37.00	14	59033.	0.7	0.7	0.1844
133	36.00	12	21569.	0.2	0.2	0.0674
134	32.00	17	88340.	1.0	1.0	0.2759
135	31.00	10	23983.	0.3	0.3	0.0749
136	30.00	6	998.	0.0	0.0	0.0031
137	29.00	8	12698.	0.1	0.1	0.0397
138	28.00	29	719984.	8.0	8.0	2.2487
139	27.00	17	118940.	1.3	1.3	0.3715


13PK2.1 [TIC=2245120, 100%=717056] EI
1,2,3,4-tetrahydrocarbazole, N,C-di-(trifluoroacetyl) derivative
RELATIVE INTENSITY (%)
m/z
266
168
196
69
115
39
51
363

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	364.00	10	27083.	0.4	0.4	0.1286
2	363.00	14	159664.	2.2	2.2	0.7112
3	344.00	6	1975.	0.0	0.0	0.0088
4	319.00	8	987.	0.0	0.0	0.0044
5	316.00	10	23617.	0.3	0.3	0.1052
6	305.00	6	672.	0.0	0.0	0.0030
7	301.00	8	2448.	0.0	0.0	0.0109
8	296.00	8	12493.	0.2	0.2	0.0556
9	281.00	8	4458.	0.1	0.1	0.0199
10	274.00	8	1960.	0.0	0.0	0.0087
11	269.00	10	8109.	0.1	0.1	0.0361
12	268.00	14	104168.	1.5	1.5	0.4640*
13	267.00	25	1104448.	15.4	15.4	4.9193*
14	266.00	43	7170560.	100.0	100.0	*31.93*
15	265.00	25	184784.	2.6	2.6	0.8230*
16	264.00	21	184536.	2.6	2.6	0.8219*
17	263.00	10	18671.	0.3	0.3	0.0832
18	262.00	8	2721.	0.0	0.0	0.0121
19	252.00	8	14222.	0.2	0.2	0.0633
20	251.00	14	116952.	1.6	1.6	0.5209
21	250.00	10	18392.	0.3	0.3	0.0819
22	249.00	10	13245.	0.2	0.2	0.0590
23	248.00	14	95636.	1.3	1.3	0.4260
24	247.00	10	47638.	0.7	0.7	0.2122*
25	246.00	10	7031.	0.1	0.1	0.0313
26	239.00	8	1621.	0.0	0.0	0.0072
27	238.00	10	20982.	0.3	0.3	0.0935
28	237.00	8	9093.	0.1	0.1	0.0405
29	236.00	8	1917.	0.0	0.0	0.0085
30	231.00	8	7204.	0.1	0.1	0.0321
31	229.00	10	11835.	0.2	0.2	0.0527
32	228.00	14	69064.	1.0	1.0	0.3076
33	227.00	8	2978.	0.0	0.0	0.0133
34	226.00	12	49367.	0.7	0.7	0.2199
35	225.00	6	1369.	0.0	0.0	0.0061
36	224.00	8	3002.	0.0	0.0	0.0137
37	223.00	8	11791.	0.2	0.2	0.0525
38	222.00	10	11947.	0.2	0.2	0.0532
39	219.00	10	26231.	0.4	0.4	0.1168
40	218.00	10	35562.	0.5	0.5	0.1584
41	217.00	10	14692.	0.2	0.2	0.0654
42	216.00	14	132860.	1.9	1.9	0.5918
43	215.00	6	3120.	0.0	0.0	0.0139
44	210.00	6	3171.	0.0	0.0	0.0141
45	208.00	8	7407.	0.1	0.1	0.0330
46	207.00	8	5827.	0.1	0.1	0.0260
47	204.00	6	2716.	0.0	0.0	0.0121
48	203.00	10	13840.	0.2	0.2	0.0616
49	202.00	10	34707.	0.5	0.5	0.1546*
50	200.00	10	18761.	0.3	0.3	0.0836
51	199.00	10	12910.	0.2	0.2	0.0575
52	198.00	14	95068.	1.3	1.3	0.4234
53	197.00	17	153628.	2.1	2.1	0.6843
54	196.00	17	207936.	2.9	2.9	0.9262
55	195.00	8	20033.	0.3	0.3	0.0892

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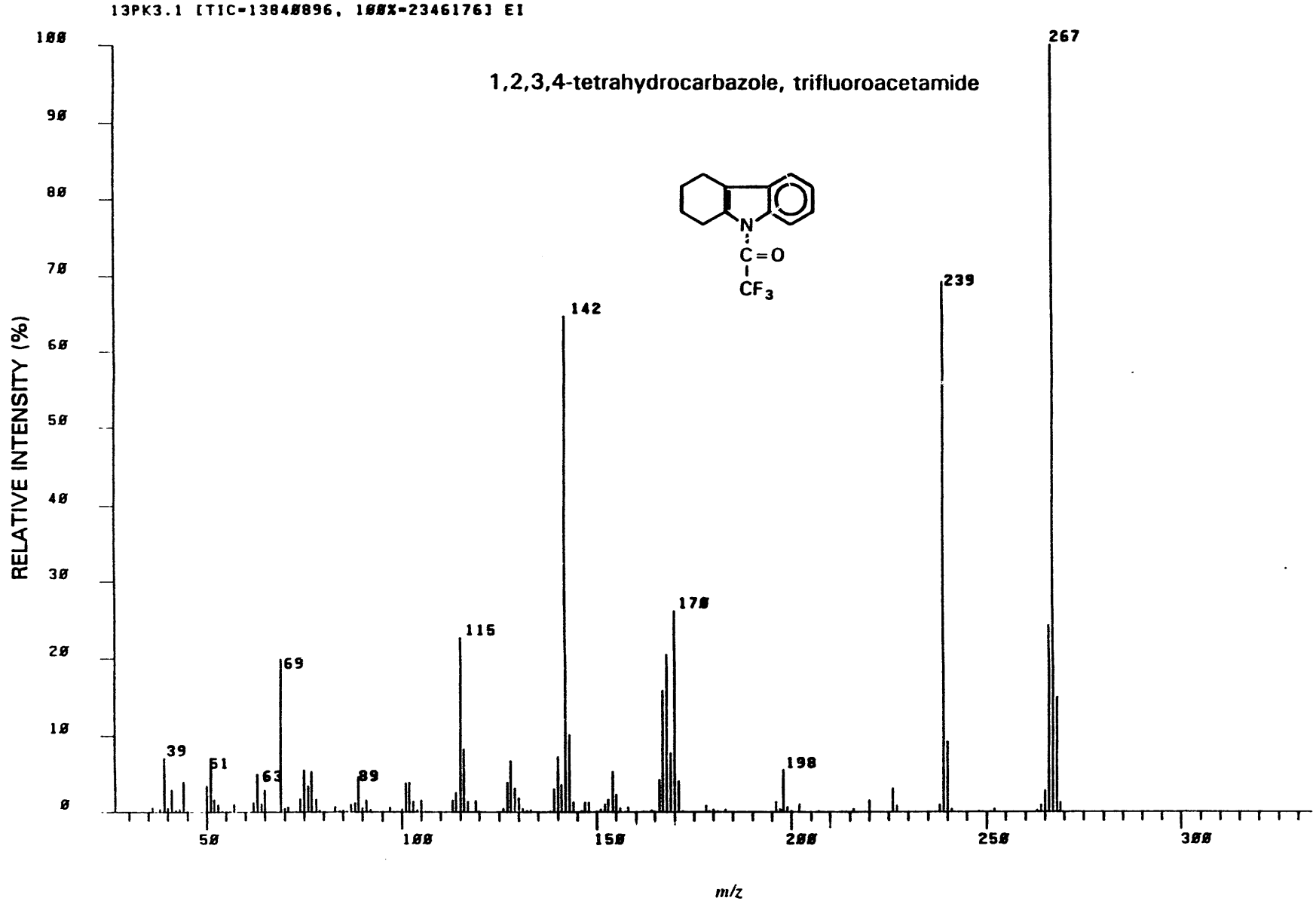
PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	194.00	8	16089.	0.2	0.2	0.0717
57	191.00	10	28217.	0.4	0.4	0.1257
58	190.00	8	1599.	0.0	0.0	0.0071
59	188.00	10	1534.	0.0	0.0	0.0068
60	184.00	8	1772.	0.0	0.0	0.0079
61	183.00	10	25594.	0.4	0.4	0.1140
62	182.00	10	34007.	0.5	0.5	0.1515
63	181.00	10	4701.	0.1	0.1	0.0209
64	180.00	10	25057.	0.3	0.3	0.1116
65	179.00	10	26003.	0.4	0.4	0.1158
66	178.00	14	95508.	1.3	1.3	0.4254
67	177.00	8	4676.	0.1	0.1	0.0208
68	176.00	8	2978.	0.0	0.0	0.0133
69	173.00	6	1771.	0.0	0.0	0.0079
70	172.00	8	17779.	0.2	0.2	0.0792
71	171.00	12	47604.	0.7	0.7	0.2120
72	170.00	17	152524.	2.1	2.1	0.6794*
73	169.00	25	1259392.	17.6	17.6	5.6095*
74	168.00	35	1876480.	26.2	26.2	8.3580*
75	167.00	35	1113088.	15.5	15.5	4.9578*
76	166.00	21	267200.	3.7	3.7	1.1901*
77	165.00	12	22363.	0.3	0.3	0.0996*
78	164.00	10	21547.	0.3	0.3	0.0960
79	163.00	6	2702.	0.0	0.0	0.0120
80	160.00	10	7966.	0.1	0.1	0.0355
81	158.00	8	2830.	0.0	0.0	0.0126
82	157.00	6	690.	0.0	0.0	0.0031
83	156.00	8	9379.	0.1	0.1	0.0418
84	155.00	14	89152.	1.2	1.2	0.3971
85	154.00	21	459632.	6.4	6.4	2.0472*
86	153.00	17	232780.	3.2	3.2	1.0368
87	152.00	14	101684.	1.4	1.4	0.4529
88	151.00	10	38651.	0.5	0.5	0.1722
89	150.00	6	1349.	0.0	0.0	0.0060
90	149.00	8	1767.	0.0	0.0	0.0079
91	148.00	12	47645.	0.7	0.7	0.2122
92	147.00	14	56635.	0.8	0.8	0.2523
93	146.00	8	3068.	0.0	0.0	0.0137
94	145.00	12	9474.	0.1	0.1	0.0422*
95	144.00	10	45172.	0.6	0.6	0.2012
96	143.00	17	315744.	4.4	4.4	1.4064*
97	142.00	14	111400.	1.6	1.6	0.4962*
98	141.00	17	176920.	2.5	2.5	0.7880
99	140.00	17	224452.	3.1	3.1	0.9997*
100	139.00	17	148956.	2.1	2.1	0.6635
101	138.00	10	10698.	0.1	0.1	0.0476
102	137.00	8	3335.	0.0	0.0	0.0149
103	133.00	12	28808.	0.4	0.4	0.1283
104	132.00	8	5864.	0.1	0.1	0.0261
105	131.00	8	10335.	0.1	0.1	0.0460
106	130.00	8	16074.	0.2	0.2	0.0716
107	129.00	14	81152.	1.1	1.1	0.3615
108	128.00	17	258200.	3.6	3.6	1.1500
109	127.00	17	128756.	1.8	1.8	0.5735
110	126.00	12	28648.	0.4	0.4	0.1276

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	125.00	10	2328.	0.0	0.0	0.0104
112	121.00	10	5086.	0.1	0.1	0.0227
113	120.00	10	5457.	0.1	0.1	0.0243
114	119.00	12	35435.	0.5	0.5	0.1578
115	117.00	10	20443.	0.3	0.3	0.0911
116	116.00	14	81512.	1.1	1.1	0.3631
117	115.00	17	348528.	4.9	4.9	1.5524*
118	114.00	12	79912.	1.1	1.1	0.3559
119	113.00	14	75908.	1.1	1.1	0.3381*
120	112.00	10	2104.	0.0	0.0	0.0094
121	110.00	8	12559.	0.2	0.2	0.0559
122	108.00	8	2592.	0.0	0.0	0.0115
123	107.00	12	5188.	0.1	0.1	0.0231*
124	106.00	10	32319.	0.5	0.5	0.1440*
125	105.00	17	333568.	4.7	4.7	1.4857*
126	104.00	14	18206.	0.3	0.3	0.0811
127	103.00	10	27524.	0.4	0.4	0.1226
128	102.00	14	74632.	1.0	1.0	0.3324
129	101.00	14	98996.	1.4	1.4	0.4409
130	100.00	10	14442.	0.2	0.2	0.0643
131	99.00	8	10314.	0.1	0.1	0.0459
132	98.00	6	2830.	0.0	0.0	0.0126
133	97.00	12	48916.	0.7	0.7	0.2179*
134	96.00	10	20742.	0.3	0.3	0.0924
135	93.00	8	6335.	0.1	0.1	0.0282
136	92.00	10	21843.	0.3	0.3	0.0973*
137	91.00	12	36343.	0.5	0.5	0.1619
138	90.00	10	27997.	0.4	0.4	0.1247
139	89.00	17	116436.	1.6	1.6	0.5186
140	88.00	14	77952.	1.1	1.1	0.3472*
141	87.00	12	39245.	0.5	0.5	0.1748*
142	86.00	10	8859.	0.1	0.1	0.0395
143	85.00	6	3271.	0.0	0.0	0.0146
144	83.00	10	45057.	0.6	0.6	0.2007*
145	82.00	6	1364.	0.0	0.0	0.0061
146	79.00	8	1053.	0.0	0.0	0.0047
147	78.00	14	62235.	0.9	0.9	0.2772
148	77.00	17	149492.	2.1	2.1	0.6659
149	76.00	17	96084.	1.3	1.3	0.4280*
150	75.00	17	123572.	1.7	1.7	0.5504
151	74.00	14	56848.	0.8	0.8	0.2532
152	71.00	6	434.	0.0	0.0	0.0019
153	70.00	8	7740.	0.1	0.1	0.0345
154	69.00	21	968336.	13.5	13.5	4.3131*
155	68.00	8	3773.	0.1	0.1	0.0168
156	66.00	8	12381.	0.2	0.2	0.0551
157	65.00	14	75640.	1.1	1.1	0.3369
158	64.00	12	40403.	0.6	0.6	0.1800
159	63.00	17	157572.	2.2	2.2	0.7018
160	62.00	17	61447.	0.9	0.9	0.2737*
161	61.00	12	1927.	0.0	0.0	0.0086
162	60.00	8	1553.	0.0	0.0	0.0069
163	58.00	6	1540.	0.0	0.0	0.0069
164	57.00	8	4222.	0.1	0.1	0.0188
165	55.00	8	6040.	0.1	0.1	0.0269

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
166	54.00	8	9632.	0.1	0.1	0.0429
167	53.00	12	55376.	0.8	0.8	0.2467*
168	52.00	12	63970.	0.9	0.9	0.2849*
169	51.00	21	182256.	2.5	2.5	0.8118
170	50.00	17	94336.	1.3	1.3	0.4202*
171	45.00	10	5240.	0.1	0.1	0.0233
172	44.00	17	100100.	1.4	1.4	0.4459*
173	43.00	8	13024.	0.2	0.2	0.0580
174	42.00	8	10073.	0.1	0.1	0.0449
175	41.00	17	95446.	1.3	1.3	0.4251
176	40.00	8	6495.	0.1	0.1	0.0289
177	39.00	17	183960.	2.6	2.6	0.8154*
178	38.00	8	16391.	0.2	0.2	0.0730
179	37.00	8	2688.	0.0	0.0	0.0120
180	36.00	8	12040.	0.2	0.2	0.0536


13PK3.1 [TIC=13848896, 100%=2346176] EI
1,2,3,4-tetrahydrocarbazole, trifluoroacetamide
RELATIVE INTENSITY (%)
m/z
267
239
142
175
115
69
39
51
63
89
198

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	324.00	6	746.	0.0	0.0	0.0054
2	301.00	8	2148.	0.1	0.1	0.0165
3	281.00	8	1478.	0.1	0.1	0.0107
4	269.00	12	30664.	1.3	1.3	0.2216
5	268.00	17	350848.	15.0	15.0	2.6349*
6	267.00	35	2346176.	100.0	100.0	*16.95*
7	266.00	25	565968.	24.1	24.1	4.0891*
8	265.00	17	67772.	2.9	2.9	0.4897*
9	264.00	10	22951.	1.0	1.0	0.1658
10	263.00	8	7604.	0.3	0.3	0.0549
11	252.00	8	10259.	0.4	0.4	0.0741
12	251.00	8	3543.	0.2	0.2	0.0256
13	249.00	6	2287.	0.1	0.1	0.0165
14	248.00	8	5291.	0.2	0.2	0.0382
15	241.00	8	11785.	0.5	0.5	0.0851
16	240.00	17	214560.	9.1	9.1	1.5502
17	239.00	25	1622272.	69.1	69.1	*11.72*
18	238.00	10	23794.	1.0	1.0	0.1719*
19	231.00	8	1665.	0.1	0.1	0.0120
20	228.00	6	1298.	0.1	0.1	0.0094
21	227.00	10	19249.	0.8	0.8	0.1391
22	226.00	12	73216.	3.1	3.1	0.5290
23	220.00	10	37276.	1.6	1.6	0.2693
24	219.00	8	1857.	0.1	0.1	0.0134
25	218.00	6	1258.	0.1	0.1	0.0091
26	216.00	8	11241.	0.5	0.5	0.0812
27	215.00	8	1115.	0.0	0.0	0.0081
28	214.00	8	2617.	0.1	0.1	0.0189
29	213.00	8	3048.	0.1	0.1	0.0220
30	211.00	6	988.	0.0	0.0	0.0071
31	207.00	8	5326.	0.2	0.2	0.0385
32	204.00	6	935.	0.0	0.0	0.0068
33	202.00	10	24464.	1.0	1.0	0.1768
34	200.00	12	4638.	0.2	0.2	0.0335
35	199.00	10	16885.	0.7	0.7	0.1220
36	198.00	17	129500.	5.5	5.5	0.9357
37	197.00	8	11500.	0.5	0.5	0.0831
38	196.00	10	32290.	1.4	1.4	0.2333
39	184.00	6	1759.	0.1	0.1	0.0127
40	183.00	8	8783.	0.4	0.4	0.0635
41	182.00	6	1533.	0.1	0.1	0.0111
42	181.00	6	5438.	0.2	0.2	0.0393
43	180.00	10	8957.	0.4	0.4	0.0647
44	179.00	8	5047.	0.2	0.2	0.0365
45	178.00	10	19931.	0.8	0.8	0.1440
46	174.00	6	841.	0.0	0.0	0.0061
47	172.00	8	4820.	0.2	0.2	0.0348
48	171.00	14	97176.	4.1	4.1	0.7021
49	170.00	21	611264.	26.1	26.1	4.4164*
50	169.00	17	182936.	7.8	7.8	1.3217
51	168.00	17	477728.	20.4	20.4	3.4516
52	167.00	21	371664.	15.8	15.8	2.6853*
53	166.00	17	99572.	4.2	4.2	0.7194
54	165.00	8	2131.	0.1	0.1	0.0154
55	164.00	10	7703.	0.3	0.3	0.0557

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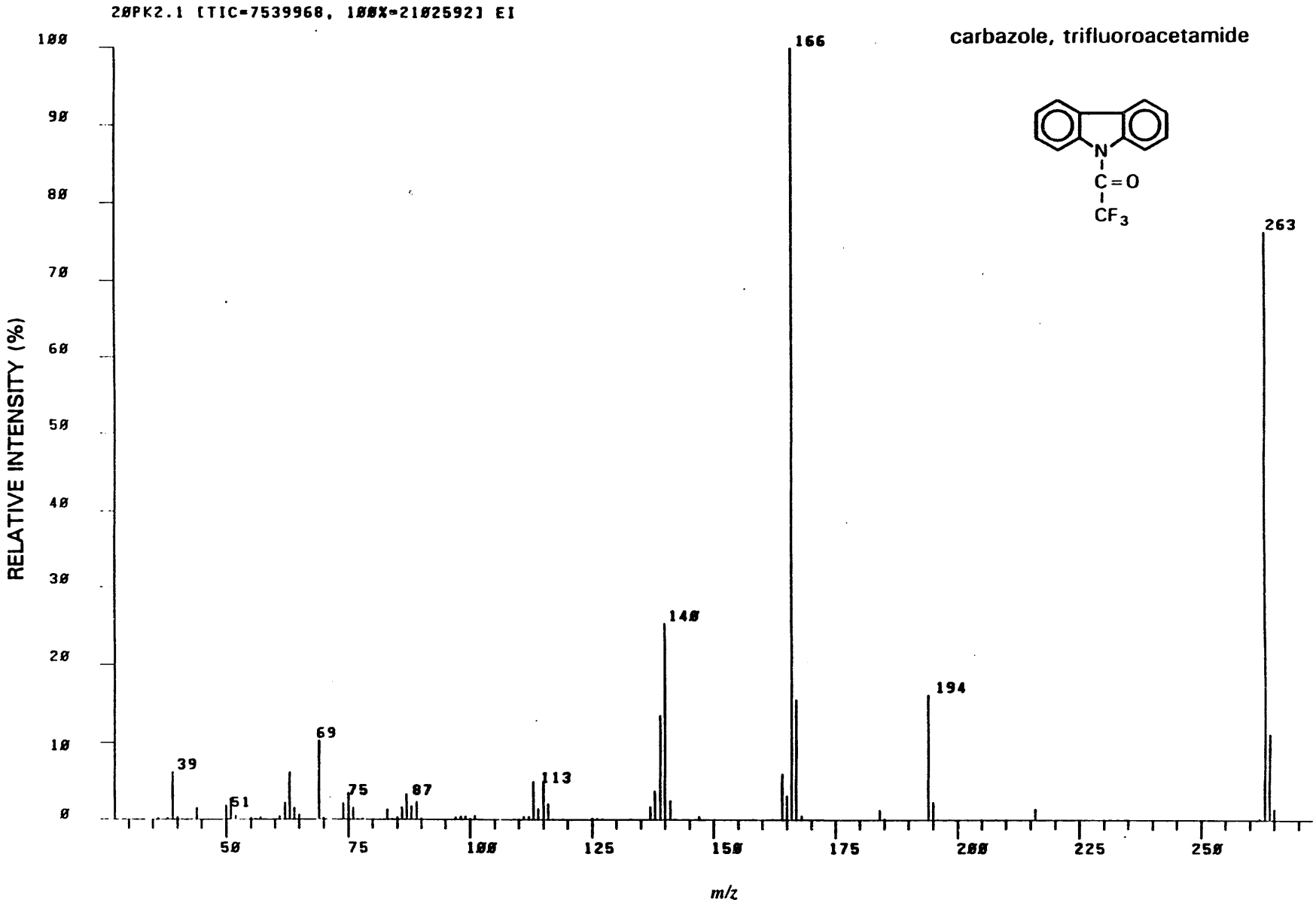
PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	162.00	8	2165.	0.1	0.1	0.0156
57	158.00	12	16800.	0.7	0.7	0.1214*
58	156.00	12	12466.	0.5	0.5	0.0901
59	155.00	12	56348.	2.4	2.4	0.4071
60	154.00	17	124072.	5.3	5.3	0.8964
61	153.00	12	41063.	1.8	1.8	0.2967*
62	152.00	10	24851.	1.1	1.1	0.1795
63	151.00	8	8521.	0.4	0.4	0.0616
64	150.00	8	3232.	0.1	0.1	0.0234
65	148.00	10	30931.	1.3	1.3	0.2235
66	147.00	8	30444.	1.3	1.3	0.2200
67	146.00	8	5040.	0.2	0.2	0.0364
68	145.00	6	1111.	0.0	0.0	0.0080
69	144.00	10	32240.	1.4	1.4	0.2329
70	143.00	17	236632.	10.1	10.1	1.7097
71	142.00	25	1517248.	64.7	64.7	*10.96*
72	141.00	17	86884.	3.7	3.7	0.6277*
73	140.00	17	170960.	7.3	7.3	1.2352
74	139.00	14	72460.	3.1	3.1	0.5235*
75	138.00	6	4535.	0.2	0.2	0.0328
76	137.00	6	848.	0.0	0.0	0.0061
77	134.00	8	3820.	0.2	0.2	0.0277
78	133.00	10	9017.	0.4	0.4	0.0651
79	132.00	8	6143.	0.3	0.3	0.0444
80	131.00	8	13047.	0.6	0.6	0.0943
81	130.00	12	44033.	1.9	1.9	0.3181
82	129.00	14	74404.	3.2	3.2	0.5376*
83	128.00	17	159012.	6.8	6.8	1.1489
84	127.00	17	92556.	3.9	3.9	0.6687
85	126.00	8	12932.	0.6	0.6	0.0934
86	125.00	8	980.	0.0	0.0	0.0071
87	120.00	10	3622.	0.2	0.2	0.0262
88	119.00	10	35794.	1.5	1.5	0.2586
89	118.00	6	1995.	0.1	0.1	0.0144
90	117.00	10	33447.	1.4	1.4	0.2417
91	116.00	17	194712.	8.3	8.3	1.4068
92	115.00	17	531888.	22.7	22.7	3.8429
93	114.00	14	63795.	2.7	2.7	0.4609
94	113.00	12	38607.	1.6	1.6	0.2789
95	109.00	8	955.	0.0	0.0	0.0069
96	108.00	6	658.	0.0	0.0	0.0048
97	107.00	8	3723.	0.2	0.2	0.0269
98	106.00	10	2427.	0.1	0.1	0.0175
99	105.00	10	39009.	1.7	1.7	0.2818
100	104.00	10	8724.	0.4	0.4	0.0630
101	103.00	10	33845.	1.4	1.4	0.2445
102	102.00	17	92148.	3.9	3.9	0.6658
103	101.00	14	89868.	3.8	3.8	0.6493
104	100.00	10	10332.	0.4	0.4	0.0746
105	99.00	6	3434.	0.1	0.1	0.0248
106	98.00	8	2416.	0.1	0.1	0.0175
107	97.00	8	14506.	0.6	0.6	0.1048
108	95.00	8	1868.	0.1	0.1	0.0135
109	92.00	12	9371.	0.4	0.4	0.0677*
110	91.00	12	38253.	1.6	1.6	0.2764

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	90.00	8	14659.	0.6	0.6	0.1059
112	89.00	17	107324.	4.6	4.6	0.7754
113	88.00	10	29215.	1.2	1.2	0.2111
114	87.00	12	23870.	1.0	1.0	0.1726
115	86.00	10	5600.	0.2	0.2	0.0405
116	85.00	8	6227.	0.3	0.3	0.0450
117	84.00	8	4709.	0.2	0.2	0.0340
118	83.00	8	19978.	0.9	0.9	0.1443
119	82.00	8	1243.	0.1	0.1	0.0090
120	79.00	8	7805.	0.3	0.3	0.0564*
121	78.00	14	40229.	1.7	1.7	0.2907*
122	77.00	17	125696.	5.4	5.4	0.9081*
123	76.00	14	82636.	3.5	3.5	0.5970*
124	75.00	17	130000.	5.5	5.5	0.9393
125	74.00	12	42570.	1.8	1.8	0.3076*
126	73.00	8	2250.	0.1	0.1	0.0163
127	71.00	14	16936.	0.7	0.7	0.1224*
128	70.00	10	12850.	0.5	0.5	0.0928*
129	69.00	21	466112.	19.9	19.9	3.3676*
130	68.00	6	1182.	0.1	0.1	0.0085
131	67.00	8	924.	0.0	0.0	0.0067
132	66.00	6	3279.	0.1	0.1	0.0237
133	65.00	14	70000.	3.0	3.0	0.5057
134	64.00	10	27506.	1.2	1.2	0.1987*
135	63.00	17	119036.	5.1	5.1	0.8600
136	62.00	12	30026.	1.3	1.3	0.2169
137	57.00	17	24509.	1.0	1.0	0.1771
138	56.00	14	2571.	0.1	0.1	0.0186*
139	55.00	6	2536.	0.1	0.1	0.0183
140	54.00	8	3969.	0.2	0.2	0.0287
141	53.00	8	23524.	1.0	1.0	0.1700
142	52.00	12	39959.	1.7	1.7	0.2887*
143	51.00	17	149000.	6.4	6.4	1.0765
144	50.00	17	82344.	3.5	3.5	0.5949*
145	45.00	10	3568.	0.2	0.2	0.0258
146	44.00	17	95284.	4.1	4.1	0.6884*
147	43.00	8	10342.	0.4	0.4	0.0747
148	42.00	8	6950.	0.3	0.3	0.0502
149	41.00	17	70668.	3.0	3.0	0.5106
150	40.00	10	14390.	0.6	0.6	0.1040*
151	39.00	17	166644.	7.1	7.1	1.2040
152	38.00	8	10019.	0.4	0.4	0.0724
153	36.00	10	14633.	0.6	0.6	0.1057*

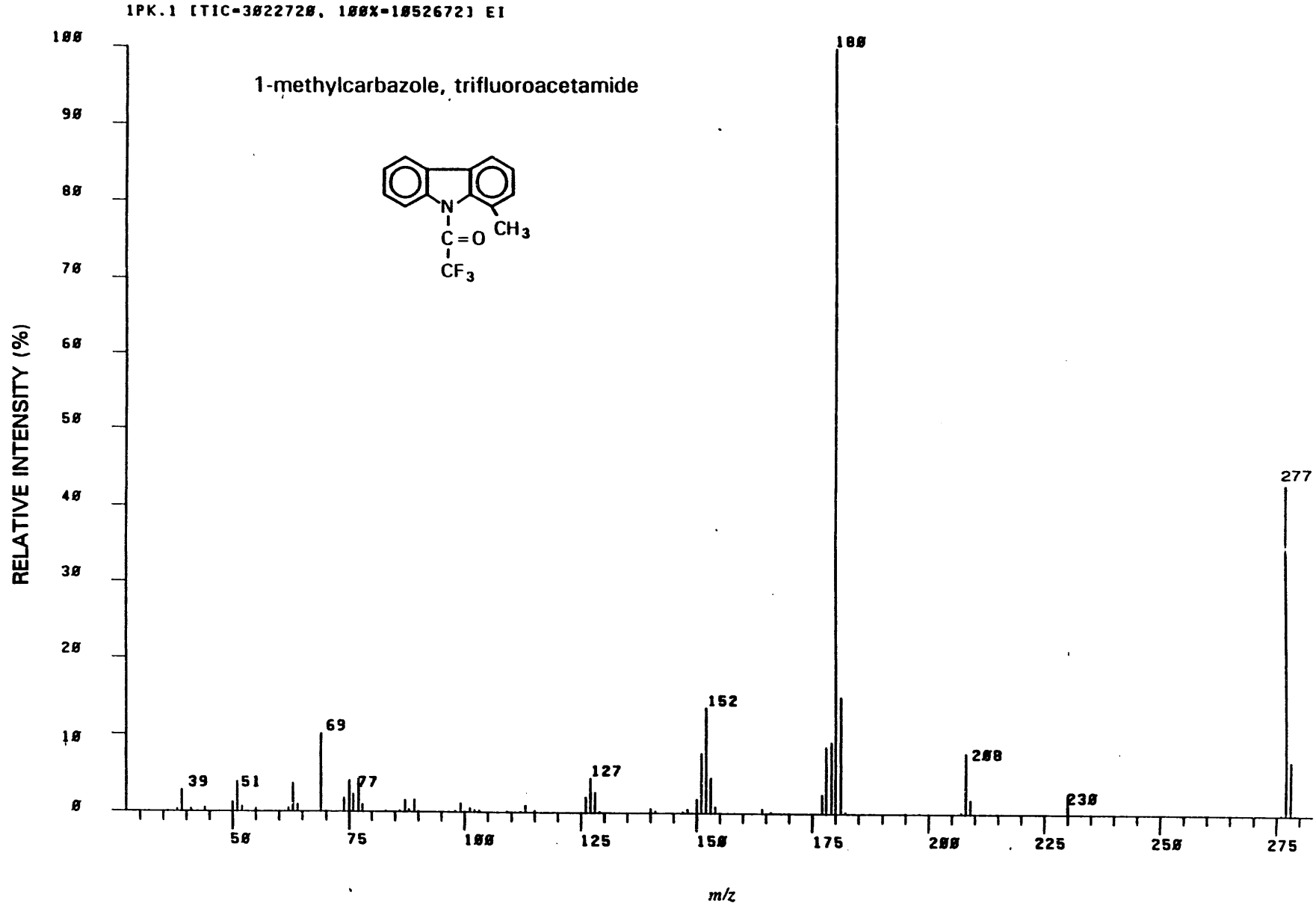

20PK2.1 [TIC=7539968, 100%=2102592] EI
carbazole, trifluoroacetamide
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
166
263
148
194
69
39
51
75
87
113
50
75
100
125
150
175
200
225
250
m/z
N
C=O
CF3

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	265.00	10	30103.	1.4	1.4	0.3992
2	264.00	17	237102.	11.3	11.3	3.1450*
3	263.00	25	1604200.	76.3	76.3	*21.27
4	262.00	10	6223.	0.3	0.3	0.0825*
5	239.00	6	841.	0.0	0.0	0.0112
6	234.00	6	1397.	0.1	0.1	0.0185
7	216.00	10	31217.	1.5	1.5	0.4140
8	196.00	8	1823.	0.1	0.1	0.0242
9	195.00	12	50431.	2.4	2.4	0.6688
10	194.00	17	342144.	16.3	16.3	4.5377
11	186.00	8	1552.	0.1	0.1	0.0206
12	185.00	10	4049.	0.2	0.2	0.0537
13	184.00	12	26077.	1.3	1.3	0.3565
14	168.00	8	11263.	0.5	0.5	0.1494
15	167.00	17	328032.	15.6	15.6	4.3612
16	166.00	25	2102592.	100.0	100.0	*27.88*
17	165.00	12	68560.	3.3	3.3	0.9093
18	164.00	17	129352.	6.2	6.2	1.7156
19	163.00	6	1300.	0.1	0.1	0.0172
20	162.00	8	2172.	0.1	0.1	0.0288
21	158.00	8	1778.	0.1	0.1	0.0236
22	151.00	8	1328.	0.1	0.1	0.0176
23	146.00	6	1441.	0.1	0.1	0.0191
24	147.00	12	10410.	0.5	0.5	0.1381
25	144.00	10	1756.	0.1	0.1	0.0233
26	142.00	10	1736.	0.1	0.1	0.0230
27	141.00	14	52966.	2.5	2.5	0.7025
28	140.00	21	533728.	25.4	25.4	7.0787
29	139.00	17	286224.	13.6	13.6	3.7961
30	138.00	17	82228.	3.9	3.9	1.0906
31	137.00	12	36256.	1.7	1.7	0.4809
32	133.00	6	2488.	0.1	0.1	0.0330
33	127.00	8	3177.	0.2	0.2	0.0421
34	126.00	8	4016.	0.2	0.2	0.0533
35	125.00	8	4331.	0.2	0.2	0.0574
36	123.00	6	1107.	0.1	0.1	0.0147
37	119.00	6	2134.	0.1	0.1	0.0283
38	117.00	6	1714.	0.1	0.1	0.0227
39	116.00	10	43688.	2.1	2.1	0.5794
40	115.00	17	100976.	4.8	4.8	1.3392
41	114.00	12	31381.	1.5	1.5	0.4162
42	113.00	17	107376.	5.1	5.1	1.4241
43	112.00	8	9319.	0.4	0.4	0.1236
44	111.00	10	10309.	0.5	0.5	0.1367
45	110.00	10	3223.	0.2	0.2	0.0427
46	109.00	8	1759.	0.1	0.1	0.0233
47	101.00	8	11258.	0.5	0.5	0.1493
48	100.00	8	2781.	0.1	0.1	0.0369
49	99.00	8	9879.	0.5	0.5	0.1310
50	98.00	12	9127.	0.4	0.4	0.1210*
51	97.00	8	7318.	0.3	0.3	0.0971
52	92.00	10	852.	0.0	0.0	0.0113
53	90.00	12	3650.	0.2	0.2	0.0484
54	89.00	14	49250.	2.3	2.3	0.6532
55	88.00	14	38348.	1.8	1.8	0.5086*

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	87.00	17	71780.	3.4	3.4	0.9520
57	86.00	12	34006.	1.6	1.6	0.4510
58	85.00	17	8659.	0.4	0.4	0.1148*
59	84.00	6	1991.	0.1	0.1	0.0251
60	83.00	14	27149.	1.3	1.3	0.3601*
61	78.00	8	4111.	0.2	0.2	0.0545
62	77.00	12	2948.	0.1	0.1	0.0391
63	76.00	18	33194.	1.6	1.6	0.4402
64	75.00	14	75548.	3.6	3.6	1.0020
65	74.00	17	45846.	2.2	2.2	0.6080*
66	71.00	6	1430.	0.1	0.1	0.0190
67	70.00	8	6672.	0.3	0.3	0.0885
68	69.00	29	215044.	10.3	10.3	2.8527*
69	67.00	6	1496.	0.1	0.1	0.0198
70	65.00	10	13045.	0.6	0.6	0.1730
71	64.00	10	32706.	1.6	1.6	0.4338
72	63.00	17	132160.	6.3	6.3	1.7528
73	62.00	12	48083.	2.3	2.3	0.6377*
74	61.00	10	10459.	0.5	0.5	0.1387
75	57.00	6	8285.	0.4	0.4	0.1099
76	56.00	8	3526.	0.2	0.2	0.0468
77	55.00	8	6386.	0.3	0.3	0.0847
78	52.00	8	10973.	0.5	0.5	0.1455
79	51.00	14	59086.	2.8	2.8	0.7836
80	50.00	14	39745.	1.9	1.9	0.5271
81	44.00	10	32580.	1.5	1.5	0.4321
82	43.00	6	1749.	0.1	0.1	0.0232
83	42.00	6	2154.	0.1	0.1	0.0286
84	41.00	8	3237.	0.2	0.2	0.0429
85	40.00	14	8662.	0.4	0.4	0.1149*
86	39.00	17	132180.	6.3	6.3	1.7531
87	38.00	8	6270.	0.3	0.3	0.0832
88	37.00	6	1391.	0.1	0.1	0.0184
89	36.00	8	5248.	0.2	0.2	0.0696

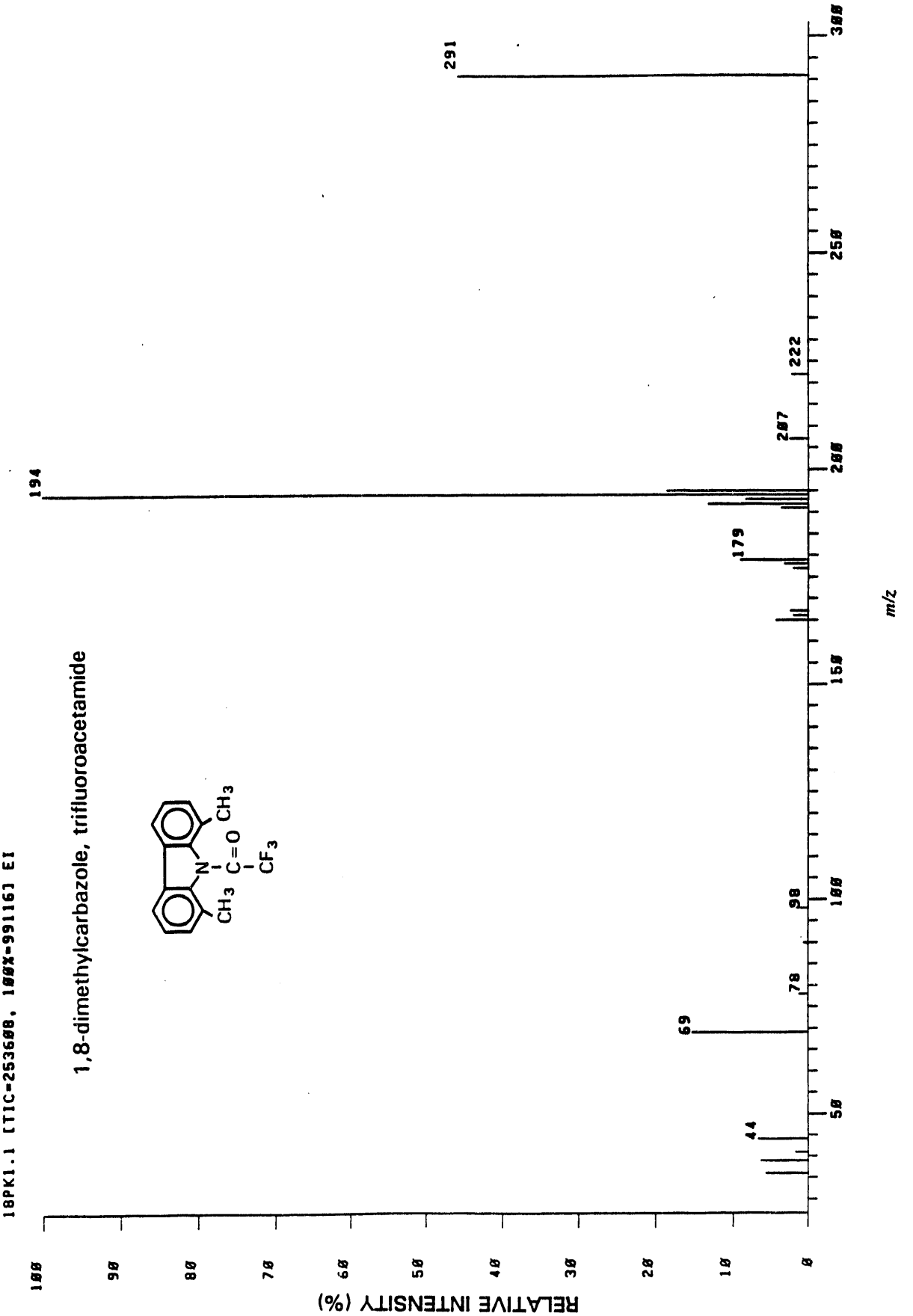

1PK.1 [TIC=3022728, 100%=1852672] EI
1-methylcarbazole, trifluoroacetamide
RELATIVE INTENSITY (%)
m/z
100
90
80
70
60
50
40
30
20
10
0
50
75
100
125
150
175
200
225
250
275
39
51
69
77
127
152
188
208
230
277

PAGE 1

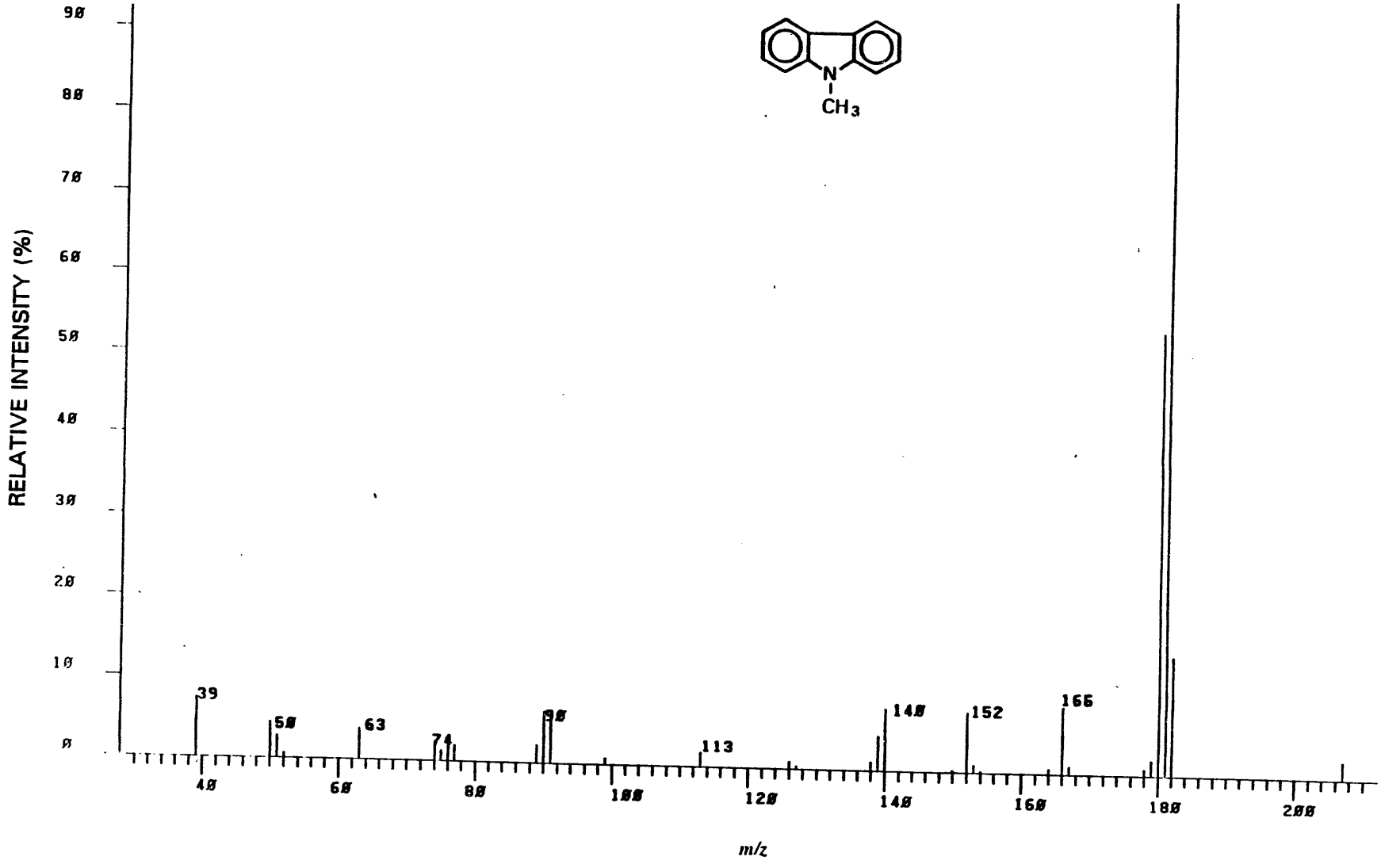
PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	279.00	6	2493.	0.2	0.2	0.0025
2	278.00	14	73408.	7.0	7.0	2.4205
3	277.00	21	453962.	43.1	43.1	*15.01
4	276.00	8	2236.	0.2	0.2	0.0740
5	238.00	12	25270.	2.4	2.4	0.0360
6	209.00	10	19357.	1.0	1.0	0.6404
7	208.00	17	82216.	7.8	7.8	2.7199
8	207.00	10	3248.	0.3	0.3	0.1075
9	198.00	6	2100.	0.2	0.2	0.0697
10	195.00	6	1620.	0.2	0.2	0.0539
11	182.00	8	3399.	0.3	0.3	0.1124
12	181.00	17	158760.	15.1	15.1	5.2522
13	180.00	25	1052672.	100.0	100.0	*34.82*
14	179.00	17	97840.	9.3	9.3	3.2368*
15	178.00	21	91292.	8.7	8.7	3.0202*
16	177.00	12	25731.	2.4	2.4	0.0513
17	166.00	8	2209.	0.2	0.2	0.0731
18	164.00	8	6817.	0.6	0.6	0.2255
19	154.00	10	8647.	0.8	0.8	0.2861
20	153.00	14	47572.	4.5	4.5	1.5738
21	152.00	17	142912.	13.6	13.6	4.7279
22	151.00	17	81320.	7.7	7.7	2.6906
23	150.00	8	19338.	1.8	1.8	0.6398
24	149.00	6	980.	0.1	0.1	0.0324
25	148.00	8	5328.	0.5	0.5	0.1763
26	147.00	6	2268.	0.2	0.2	0.0750
27	141.00	6	3098.	0.3	0.3	0.1025
28	140.00	8	5335.	0.5	0.5	0.1765
29	139.00	8	697.	0.1	0.1	0.0231
30	129.00	6	1760.	0.2	0.2	0.0582
31	128.00	10	27827.	2.6	2.6	0.9206*
32	127.00	14	46430.	4.4	4.4	1.5360
33	126.00	10	21641.	2.1	2.1	0.7159
34	115.00	8	2986.	0.3	0.3	0.0988
35	113.00	10	9409.	0.9	0.9	0.3113*
36	112.00	6	1691.	0.2	0.2	0.0559
37	109.00	6	2476.	0.2	0.2	0.0819
38	103.00	6	2647.	0.3	0.3	0.0876
39	102.00	8	3554.	0.3	0.3	0.1176
40	101.00	10	6123.	0.6	0.6	0.2026
41	100.00	6	1313.	0.1	0.1	0.0434
42	99.00	12	12058.	1.1	1.1	0.3989
43	98.00	6	2518.	0.2	0.2	0.0833
44	90.00	8	1474.	0.1	0.1	0.0488
45	89.00	14	17338.	1.6	1.6	0.5736*
46	88.00	10	3945.	0.4	0.4	0.1305
47	87.00	8	16102.	1.5	1.5	0.5327
48	86.00	8	2020.	0.2	0.2	0.0668
49	83.00	6	2022.	0.2	0.2	0.0669
50	78.00	10	9942.	0.9	0.9	0.3289
51	77.00	12	44654.	4.2	4.2	1.4773
52	76.00	14	24071.	2.3	2.3	0.7963*
53	75.00	14	42313.	4.0	4.0	1.3998*
54	74.00	10	19189.	1.8	1.8	0.6348
55	70.00	6	1338.	0.1	0.1	0.0443

PAGE 2

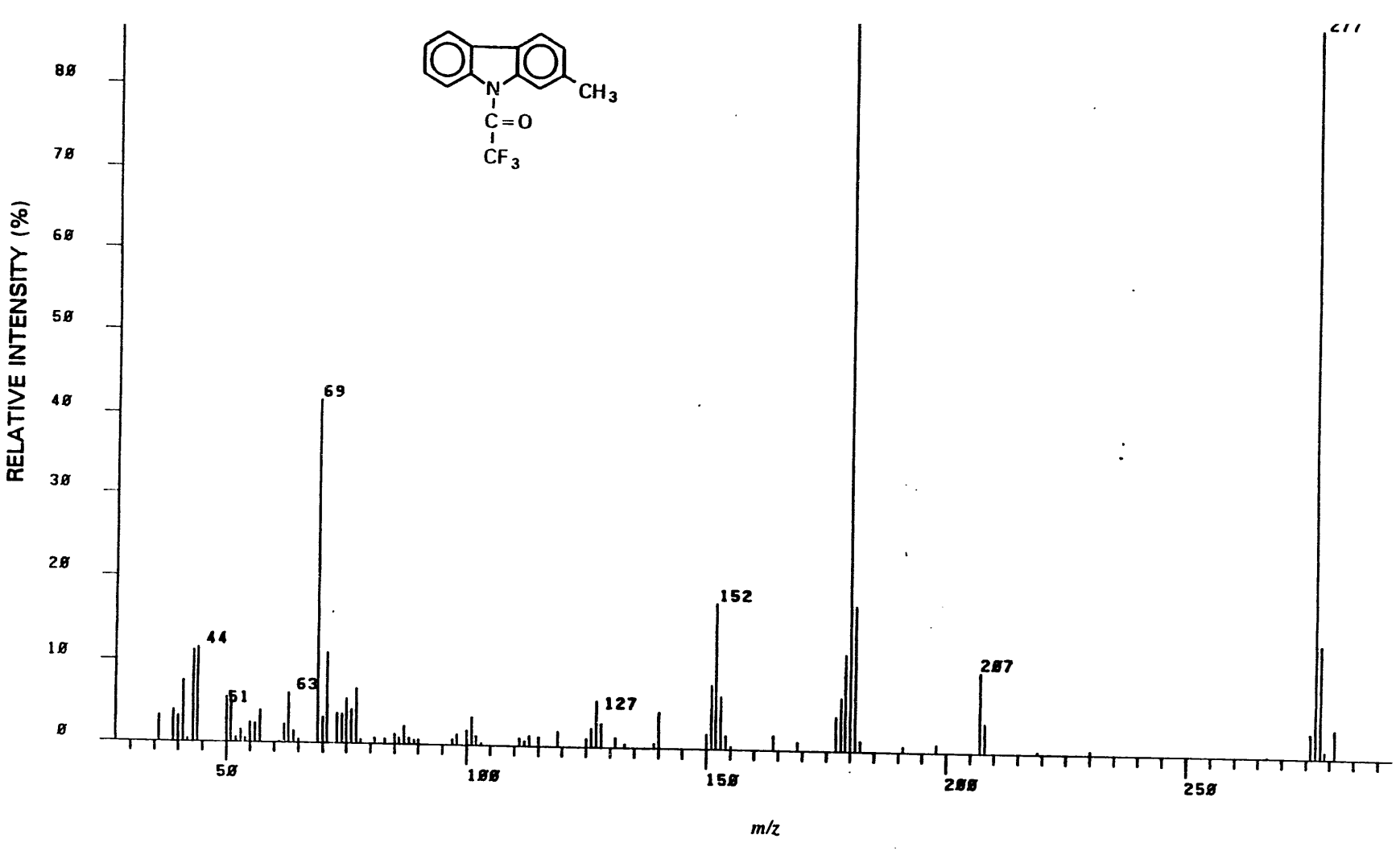
PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	69.00	21	106116.	10.1	10.1	3.5106
57	64.00	12	9892.	0.9	0.9	0.3273
58	63.00	14	38559.	3.7	3.7	1.2756
59	62.00	10	6109.	0.6	0.6	0.2021
60	55.00	8	4816.	0.5	0.5	0.1593
61	53.00	6	1090.	0.1	0.1	0.0363
62	52.00	10	7894.	0.7	0.7	0.2612
63	51.00	17	41868.	4.0	4.0	1.3851*
64	50.00	8	12771.	1.2	1.2	0.4225
65	44.00	8	6072.	0.6	0.6	0.2009
66	41.00	8	3587.	0.3	0.3	0.1187
67	39.00	12	29523.	2.8	2.8	0.9767*
68	38.00	8	4211.	0.4	0.4	0.1393
69	36.00	8	1194.	0.1	0.1	0.0395


18PK1.1 [TIC-253608, 100%-99116] EI
1,8-dimethylcarbazole, trifluoroacetamide
RELATIVE INTENSITY (%)
m/z
194
291
69
179
44
78
98
222
287

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	291.00	17	45207.	45.6	45.6	*17.02
2	222.00	8	2204.	2.2	2.2	0.8691
3	207.00	6	2393.	2.4	2.4	0.9436
4	195.00	10	18301.	18.5	18.5	7.2163
5	194.00	17	99116.	100.0	100.0	*39.08
6	193.00	12	8276.	8.3	8.3	3.2633
7	192.00	12	13147.	13.3	13.3	5.1840
8	191.00	8	3642.	3.7	3.7	1.4361
9	179.00	8	8926.	9.0	9.0	3.5196
10	178.00	8	3137.	3.2	3.2	1.2369
11	177.00	6	2024.	2.0	2.0	0.7981
12	167.00	8	2343.	2.4	2.4	0.9239
13	166.00	6	1917.	1.9	1.9	0.7559
14	165.00	12	4205.	4.2	4.2	1.6581
15	98.00	6	1609.	1.6	1.6	0.6344
16	90.00	6	614.	0.6	0.6	0.2421
17	78.00	6	1207.	1.2	1.2	0.4759
18	69.00	8	15117.	15.3	15.3	5.9600
19	44.00	12	6654.	6.7	6.7	2.6237
20	41.00	6	1671.	1.7	1.7	0.6589
21	39.00	10	6295.	6.4	6.4	2.4822
22	36.00	8	5603.	5.7	5.7	2.2093


RELATIVE INTENSITY (%)
9Ø
8Ø
7Ø
6Ø
5Ø
4Ø
3Ø
2Ø
1Ø
Ø
39
5Ø
63
74
8Ø
113
14Ø
152
166
4Ø
6Ø
8Ø
1ØØ
12Ø
14Ø
16Ø
18Ø
2ØØ
m/z
N
CH3

6	178.00	8	1465.	0.8	0.8	0.3277
7	167.00	6	1860.	1.1	1.1	0.4160
8	166.00	12	14541.	8.2	8.2	3.2521
9	164.00	6	1271.	0.7	0.7	0.2843
10	154.00	6	466.	0.3	0.3	0.1042
11	153.00	8	1792.	1.0	1.0	0.4008
12	152.00	14	13178.	7.5	7.5	2.9473*
13	150.00	6	578.	0.3	0.3	0.1293
14	140.00	10	13546.	7.7	7.7	3.0296
15	139.00	12	7712.	4.4	4.4	1.7248
16	138.00	8	1953.	1.1	1.1	0.4368
17	127.00	8	853.	0.5	0.5	0.1908
18	126.00	6	1621.	0.9	0.9	0.3625
19	113.00	12	3312.	1.9	1.9	0.7407
20	99.00	6	1531.	0.9	0.9	0.3424
21	91.00	10	11194.	6.3	6.3	2.5036
22	90.00	10	11298.	6.4	6.4	2.5268*
23	89.00	8	4072.	2.3	2.3	0.9107
24	77.00	8	3608.	2.0	2.0	0.8069
25	76.00	8	4191.	2.4	2.4	0.9373
26	75.00	10	2374.	1.3	1.3	0.5310
27	74.00	10	4331.	2.5	2.5	0.9686
28	63.00	8	6873.	3.9	3.9	1.5372
29	52.00	8	1314.	0.7	0.7	0.2939
30	51.00	10	5044.	2.9	2.9	1.1281
31	50.00	10	7970.	4.5	4.5	1.7825
32	39.00	12	13006.	7.4	7.4	2.9088

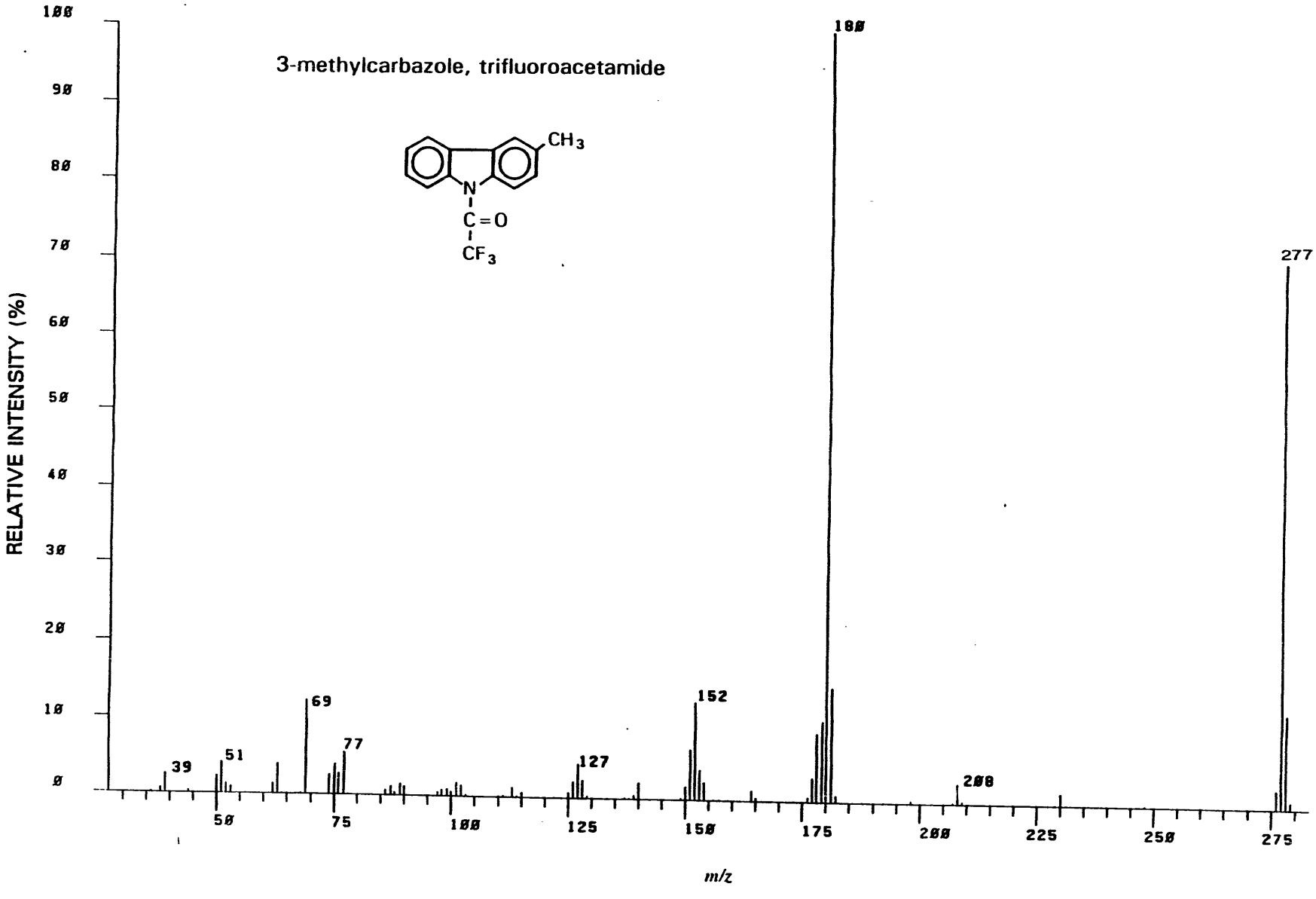

RELATIVE INTENSITY (%)
80
70
60
50
40
30
20
10
0
50
100
150
200
250
m/z
44
51
63
69
127
152
207
271
N
C=O
CF3
CH3

PAGE 1

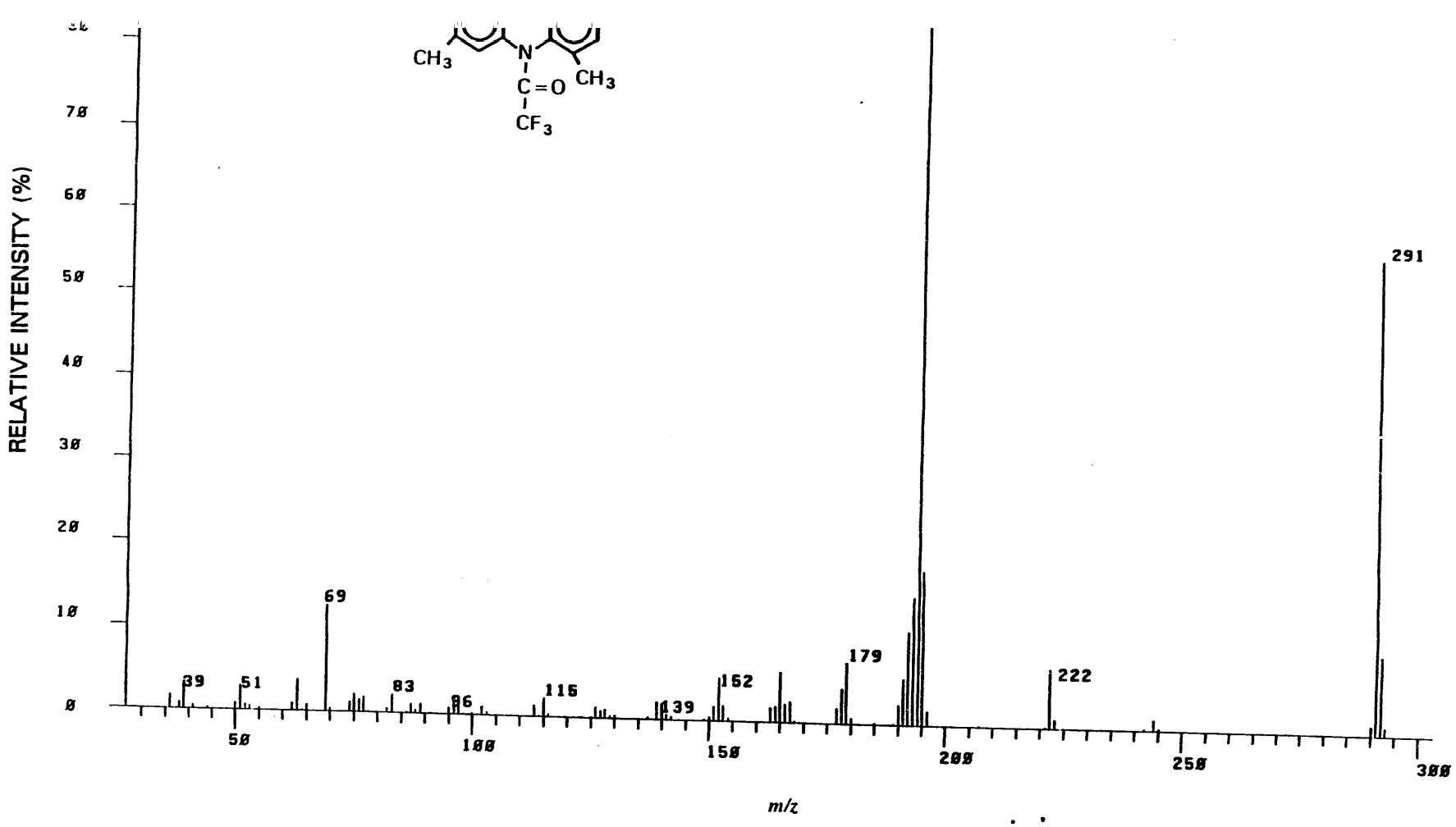
PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	281.00	8	11873.	3.6	3.6	0.7155
2	279.00	8	2974.	0.9	0.9	0.1792
3	278.00	12	44799.	13.7	13.7	2.6997
4	277.00	21	298144.	88.5	88.5	*17.48
5	276.00	8	9851.	3.0	3.0	0.5937
6	267.00	6	585.	0.2	0.2	0.0353
7	238.00	6	1817.	0.6	0.6	0.1095
8	219.00	6	1367.	0.4	0.4	0.0824
9	208.00	10	12058.	3.7	3.7	0.7267*
10	207.00	12	32198.	9.8	9.8	1.9403
11	198.00	8	3340.	1.0	1.0	0.2013
12	191.00	8	2591.	0.8	0.8	0.1561
13	182.00	8	4589.	1.4	1.4	0.2765
14	181.00	12	57122.	17.4	17.4	3.4423
15	180.00	21	327888.	100.0	100.0	*19.75
16	179.00	17	38452.	11.7	11.7	2.3172*
17	178.00	17	21685.	6.6	6.6	1.3070*
18	177.00	10	14103.	4.3	4.3	0.8499
19	169.00	8	3716.	1.1	1.1	0.2239
20	164.00	8	6030.	1.8	1.8	0.3634
21	155.00	8	1540.	0.5	0.5	0.0928
22	154.00	10	5766.	1.8	1.8	0.3475
23	153.00	12	21419.	6.5	6.5	1.2908
24	152.00	17	57414.	17.5	17.5	3.4599
25	151.00	14	25773.	7.9	7.9	1.5532
26	150.00	12	6068.	1.9	1.9	0.3657
27	140.00	14	14802.	4.5	4.5	0.8920
28	139.00	8	2216.	0.7	0.7	0.1335
29	133.00	8	1723.	0.5	0.5	0.1038
30	131.00	8	4224.	1.3	1.3	0.2546
31	128.00	12	9721.	3.0	3.0	0.5858
32	127.00	12	18935.	5.8	5.8	1.1411
33	126.00	8	7796.	2.4	2.4	0.4698
34	125.00	8	3647.	1.1	1.1	0.2198
35	119.00	8	6390.	1.9	1.9	0.3851
36	115.00	8	3943.	1.2	1.2	0.2376
37	113.00	8	4631.	1.4	1.4	0.2791
38	112.00	10	2251.	0.7	0.7	0.1357
39	111.00	6	3372.	1.0	1.0	0.2032
40	103.00	6	1294.	0.4	0.4	0.0780
41	102.00	10	3922.	1.2	1.2	0.2364
42	101.00	10	11557.	3.5	3.5	0.6965
43	100.00	10	6095.	1.9	1.9	0.3673
44	98.00	17	4536.	1.4	1.4	0.2734*
45	97.00	8	2632.	0.8	0.8	0.1586
46	90.00	8	2043.	0.6	0.6	0.1231
47	89.00	6	2080.	0.6	0.6	0.1253
48	88.00	8	2852.	0.9	0.9	0.1719
49	87.00	10	7573.	2.3	2.3	0.4564
50	86.00	8	2703.	0.8	0.8	0.1677
51	85.00	8	4216.	1.3	1.3	0.2541
52	83.00	8	2471.	0.8	0.8	0.1489
53	81.00	6	2612.	0.8	0.8	0.1574
54	78.00	8	2059.	0.6	0.6	0.1241
55	77.00	12	22149.	6.8	6.8	1.3348

PAGE 2

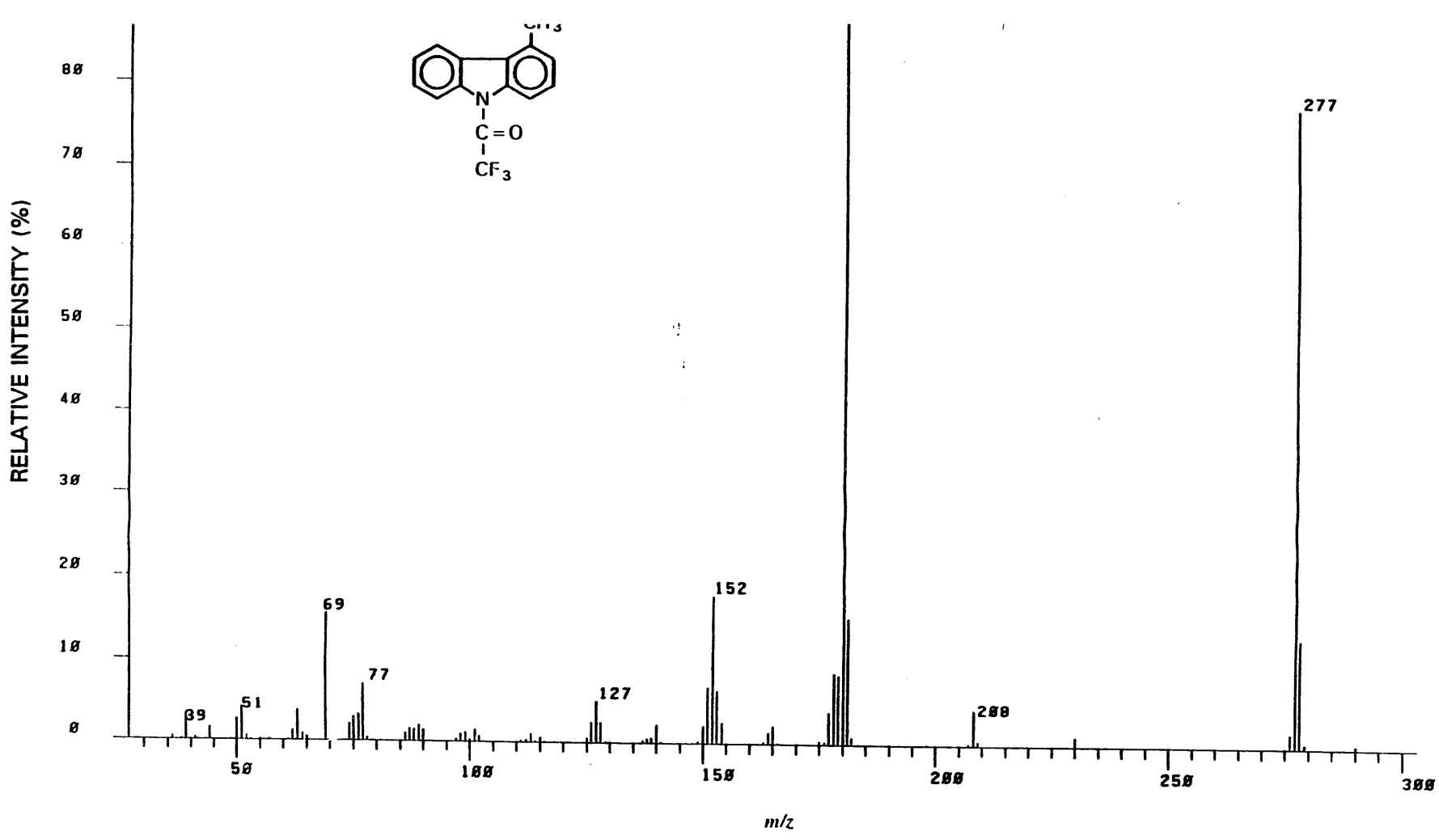
PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	76.00	10	13886.	4.2	4.2	0.8368
57	75.00	14	17953.	5.5	5.5	1.0819
58	74.00	10	12123.	3.7	3.7	0.7306
59	73.00	10	12438.	3.8	3.8	0.7496
60	71.00	17	36176.	11.0	11.0	2.1801
61	70.00	10	10619.	3.2	3.2	0.6399*
62	69.00	21	136880.	41.7	41.7	8.2480*
63	65.00	8	1752.	0.5	0.5	0.1056
64	64.00	10	4947.	1.5	1.5	0.2981
65	63.00	17	20359.	6.2	6.2	1.2269*
66	62.00	12	7818.	2.4	2.4	0.4711
67	61.00	6	817.	0.2	0.2	0.0492
68	57.00	12	13185.	4.0	4.0	0.7946
69	56.00	12	7919.	2.4	2.4	0.4772
70	55.00	12	8276.	2.5	2.5	0.4987
71	54.00	8	2065.	0.6	0.6	0.1244
72	53.00	10	5427.	1.7	1.7	0.3270
73	52.00	10	2440.	0.7	0.7	0.1470
74	51.00	17	20130.	6.1	6.1	1.2136
75	50.00	14	18365.	5.6	5.6	1.1067
76	44.00	12	37742.	11.5	11.5	2.2744
77	43.00	17	36720.	11.2	11.2	2.2129
78	42.00	6	1613.	0.5	0.5	0.0972
79	41.00	17	24993.	7.6	7.6	1.5062
80	40.00	12	10761.	3.3	3.3	0.6485
81	39.00	14	13334.	4.1	4.1	0.8035
82	36.00	10	11088.	3.4	3.4	0.6682


3-methylcarbazole, trifluoroacetamide
CH3
N
C=O
CF3
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
39
51
69
77
127
152
180
200
277
50
75
100
125
150
175
200
225
250
275
m/z

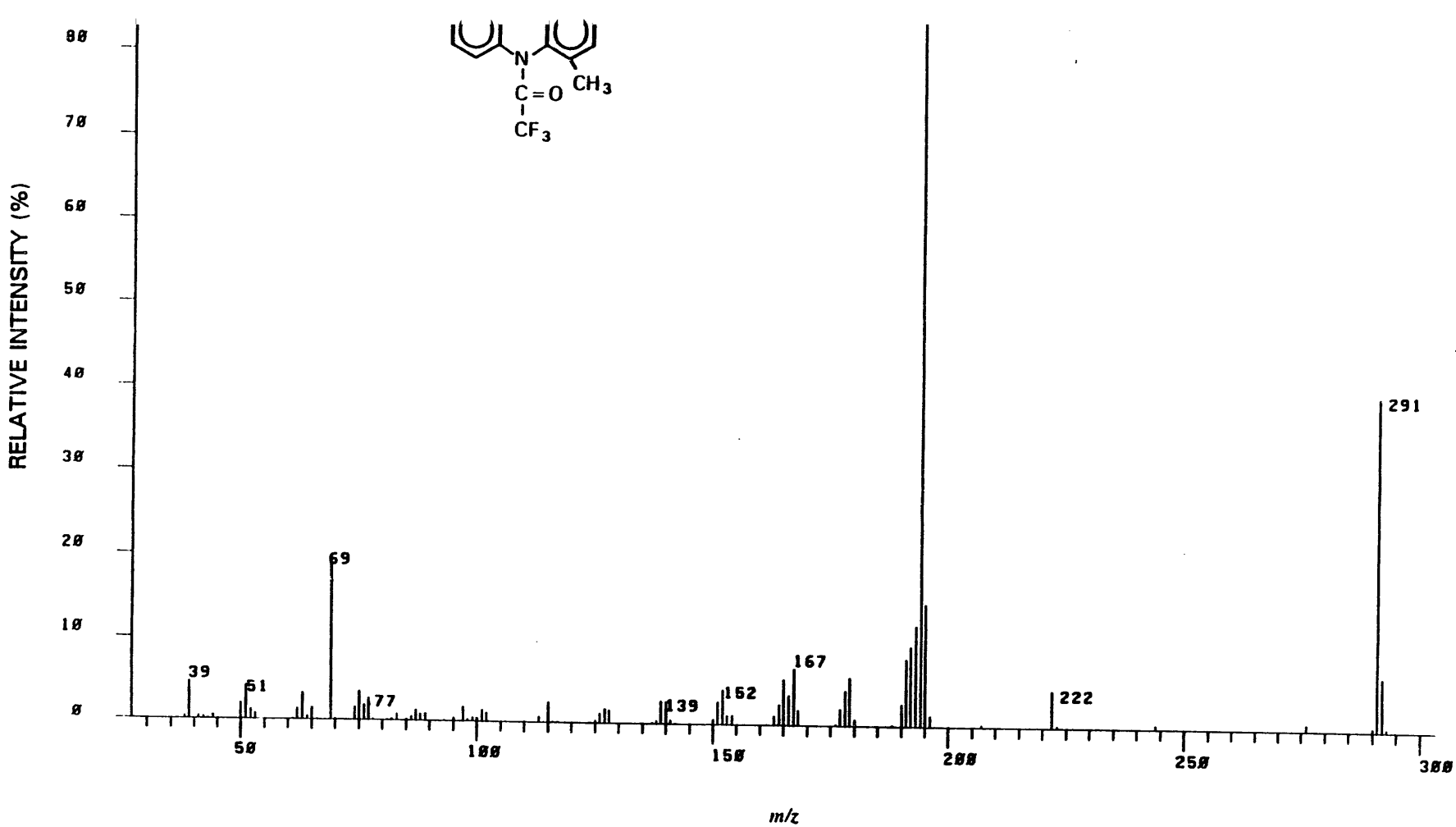
PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	279.00	10	20772.	1.0	1.0	0.2079
2	278.00	17	262896.	12.2	12.2	3.6434*
3	277.00	25	1533312.	71.0	71.0	*21.24
4	276.00	14	53500.	2.5	2.5	0.7414*
5	240.00	10	3721.	0.2	0.2	0.0516
6	230.00	12	32645.	1.5	1.5	0.4524
7	209.00	6	7939.	0.4	0.4	0.1100
8	208.00	17	57260.	2.7	2.7	0.7937
9	207.00	6	6025.	0.3	0.3	0.0835
10	198.00	12	9701.	0.4	0.4	0.1344
11	183.00	8	1235.	0.1	0.1	0.0171
12	182.00	14	19165.	0.9	0.9	0.2656*
13	181.00	21	324352.	15.0	15.0	4.4951*
14	180.00	35	2159936.	100.0	100.0	*29.93*
15	179.00	21	227328.	10.5	10.5	3.1505*
16	178.00	21	191300.	8.9	8.9	2.6524
17	177.00	14	66612.	3.1	3.1	0.9232
18	176.00	14	12973.	0.6	0.6	0.1798*
19	165.00	10	9528.	0.4	0.4	0.1320
20	164.00	12	28726.	1.3	1.3	0.3981*
21	157.00	6	3398.	0.2	0.2	0.0471
22	156.00	8	2859.	0.1	0.1	0.0396
23	154.00	14	49027.	2.3	2.3	0.6795
24	153.00	17	85028.	3.9	3.9	1.1784
25	152.00	17	276160.	12.8	12.8	3.8273
26	151.00	17	140912.	6.5	6.5	1.9529
27	150.00	14	36885.	1.7	1.7	0.5112
28	149.00	8	5689.	0.3	0.3	0.0788
29	140.00	12	45897.	2.1	2.1	0.6361
30	139.00	8	12062.	0.6	0.6	0.1672
31	138.00	10	5362.	0.2	0.2	0.0743
32	137.00	8	4340.	0.2	0.2	0.0601
33	130.00	6	582.	0.0	0.0	0.0081
34	129.00	14	7726.	0.4	0.4	0.1071*
35	128.00	14	51523.	2.4	2.4	0.7140
36	127.00	17	95236.	4.4	4.4	1.3199
37	126.00	17	46976.	2.2	2.2	0.6510
38	125.00	10	15900.	0.7	0.7	0.2205
39	124.00	6	1377.	0.1	0.1	0.0191
40	122.00	6	1825.	0.1	0.1	0.0253
41	117.00	8	1206.	0.1	0.1	0.0167
42	115.00	10	14085.	0.7	0.7	0.1952
43	114.00	8	4539.	0.2	0.2	0.0629
44	113.00	12	27350.	1.3	1.3	0.3790
45	111.00	10	4880.	0.2	0.2	0.0676
46	110.00	6	2684.	0.1	0.1	0.0372
47	103.00	12	6089.	0.3	0.3	0.0844
48	102.00	14	30596.	1.4	1.4	0.4240
49	101.00	14	39504.	1.8	1.8	0.5475
50	100.00	8	14378.	0.7	0.7	0.1993
51	99.00	12	20142.	0.9	0.9	0.2791
52	98.00	14	18730.	0.9	0.9	0.2596*
53	97.00	10	13425.	0.6	0.6	0.1861
54	90.00	8	26374.	1.2	1.2	0.3655
55	89.00	14	33125.	1.5	1.5	0.4591*
56	88.00	12	10392.	0.5	0.5	0.1440*
57	87.00	12	26164.	1.2	1.2	0.3626
58	86.00	10	16357.	0.8	0.8	0.2267
59	78.00	10	3256.	0.2	0.2	0.0451
60	77.00	17	119120.	5.5	5.5	1.6509
61	76.00	14	59589.	2.8	2.8	0.8258
62	75.00	17	85300.	3.9	3.9	1.1822*
63	74.00	17	55743.	2.6	2.6	0.7725
64	73.00	6	1351.	0.1	0.1	0.0187
65	69.00	21	266448.	12.3	12.3	3.6927
66	68.00	8	3672.	0.2	0.2	0.0509
67	65.00	6	2207.	0.1	0.1	0.0306
68	64.00	6	2823.	0.1	0.1	0.0391
69	63.00	17	84720.	3.9	3.9	1.1741
70	62.00	14	30404.	1.4	1.4	0.4214
71	53.00	12	19746.	0.9	0.9	0.2737*
72	52.00	12	29604.	1.4	1.4	0.4103
73	51.00	17	89860.	4.2	4.2	1.2454
74	50.00	17	49030.	2.3	2.3	0.6796
75	44.00	8	8185.	0.4	0.4	0.1134
76	41.00	6	1103.	0.1	0.1	0.0153
77	39.00	17	54827.	2.5	2.5	0.7598*
78	38.00	8	16346.	0.8	0.8	0.2265
79	36.00	8	4614.	0.2	0.2	0.0639


CH3
N
C=O
CF3
CH3
RELATIVE INTENSITY (%)
7Ø
6Ø
5Ø
4Ø
3Ø
2Ø
1Ø
Ø
69
39
51
83
96
115
139
152
179
222
291
5Ø
1ØØ
15Ø
2ØØ
25Ø
3ØØ
m/z

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	293.00	10	11007.	1.0	1.0	0.3068
2	292.00	17	100696.	9.4	9.4	2.7941
3	291.00	21	653392.	56.4	56.4	*16.81
4	290.00	12	13758.	1.2	1.2	0.3548
5	272.00	8	1344.	0.1	0.1	0.0346
6	245.00	8	3138.	0.3	0.3	0.0807
7	244.00	10	15110.	1.3	1.3	0.3888
8	242.00	6	3044.	0.3	0.3	0.0783
9	233.00	8	1776.	0.2	0.2	0.0457
10	223.00	10	11968.	1.0	1.0	0.3079
11	222.00	17	81124.	7.0	7.0	2.0872
12	221.00	6	2720.	0.2	0.2	0.0702
13	207.00	6	2062.	0.2	0.2	0.0736
14	196.00	12	19548.	1.7	1.7	0.5030
15	195.00	17	210112.	18.1	18.1	5.4060
16	194.00	29	1158016.	100.0	100.0	*29.79
17	193.00	25	174676.	15.1	15.1	4.4942
18	192.00	21	127336.	11.0	11.0	3.2762*
19	191.00	17	63672.	5.5	5.5	1.6382
20	190.00	14	27597.	2.4	2.4	0.7100
21	189.00	6	2559.	0.2	0.2	0.0658
22	185.00	6	1951.	0.2	0.2	0.0502
23	180.00	8	8460.	0.7	0.7	0.2177
24	179.00	17	83020.	7.2	7.2	2.1362
25	178.00	17	48629.	4.2	4.2	1.2512
26	177.00	12	20680.	1.8	1.8	0.5321
27	169.00	6	1844.	0.2	0.2	0.0474
28	168.00	8	3306.	0.3	0.3	0.0851
29	167.00	12	28295.	2.4	2.4	0.7200
30	166.00	14	24858.	2.1	2.1	0.6396
31	165.00	21	68756.	5.9	5.9	1.7690
32	164.00	14	21382.	1.8	1.8	0.5501
33	163.00	12	19628.	1.7	1.7	0.5050
34	154.00	10	5297.	0.5	0.5	0.1363
35	153.00	10	21439.	1.9	1.9	0.5516
36	152.00	17	60551.	5.2	5.2	1.5579
37	151.00	14	19920.	1.7	1.7	0.5125*
38	150.00	6	5184.	0.4	0.4	0.1334
39	149.00	6	1912.	0.2	0.2	0.0492
40	142.00	6	5680.	0.5	0.5	0.1461
41	141.00	10	7434.	0.6	0.6	0.1913
42	140.00	12	21684.	1.9	1.9	0.5579
43	139.00	12	23627.	2.0	2.0	0.6079
44	137.00	6	2912.	0.3	0.3	0.0749
45	130.00	6	4050.	0.3	0.3	0.1042
46	129.00	8	4434.	0.4	0.4	0.1141
47	128.00	12	12129.	1.0	1.0	0.3121
48	127.00	12	9973.	0.9	0.9	0.2566
49	126.00	10	14530.	1.3	1.3	0.3738
50	125.00	6	2344.	0.2	0.2	0.0603
51	123.00	6	1694.	0.1	0.1	0.0436
52	116.00	8	4026.	0.3	0.3	0.1036
53	115.00	14	24963.	2.2	2.2	0.6423
54	114.00	6	2871.	0.2	0.2	0.0739
55	113.00	10	15603.	1.3	1.3	0.4015
56	103.00	10	5069.	0.4	0.4	0.1304
57	102.00	8	12048.	1.0	1.0	0.3100
58	101.00	8	2814.	0.2	0.2	0.0724
59	100.00	8	2311.	0.2	0.2	0.0595
60	98.00	6	2550.	0.2	0.2	0.0656
61	97.00	14	22759.	2.0	2.0	0.5856
62	96.00	12	23992.	2.1	2.1	0.6173
63	95.00	8	9254.	0.8	0.8	0.2368
64	91.00	6	1155.	0.1	0.1	0.0297
65	89.00	14	14334.	1.2	1.2	0.3688
66	88.00	10	5839.	0.5	0.5	0.1502
67	87.00	12	13352.	1.2	1.2	0.3435
68	86.00	8	2471.	0.2	0.2	0.0636
69	83.00	12	25421.	2.2	2.2	0.6541
70	82.00	8	6677.	0.6	0.6	0.1718
71	78.00	6	1517.	0.1	0.1	0.0390
72	77.00	14	21453.	1.9	1.9	0.5520
73	76.00	12	17499.	1.5	1.5	0.4502
74	75.00	17	25468.	2.2	2.2	0.6553*
75	74.00	12	13692.	1.2	1.2	0.3523
76	70.00	6	5312.	0.5	0.5	0.1367
77	69.00	21	145492.	12.6	12.6	3.7434
78	65.00	10	9231.	0.8	0.8	0.2375
79	64.00	6	2183.	0.2	0.2	0.0562
80	63.00	17	43584.	3.8	3.8	1.1214
81	62.00	8	11316.	1.0	1.0	0.2912
82	55.00	6	3245.	0.3	0.3	0.0835
83	53.00	8	7423.	0.6	0.6	0.1910
84	52.00	10	9353.	0.8	0.8	0.2406
85	51.00	17	34543.	3.0	3.0	0.8888
86	50.00	10	10364.	0.9	0.9	0.2667
87	44.00	6	3748.	0.3	0.3	0.0964
88	41.00	14	6483.	0.6	0.6	0.1668
89	39.00	17	38221.	3.3	3.3	0.9834
90	38.00	10	9611.	0.8	0.8	0.2473*
91	36.00	12	19618.	1.7	1.7	0.5048


RELATIVE INTENSITY (%)
80
70
60
50
40
30
20
10
0
N
C=O
CF3
277
152
69
77
127
51
39
208
50
100
150
200
250
300
m/z

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	291.00	6	1359.	0.1	0.1	0.0207
2	290.00	10	9379.	0.5	0.5	0.1427*
3	279.00	8	11834.	0.7	0.7	0.1800
4	278.00	21	237712.	13.2	13.2	3.6160*
5	277.00	29	1391936.	77.3	77.3	*21.17*
6	276.00	10	33462.	1.9	1.9	0.5090
7	275.00	6	2170.	0.1	0.1	0.0330
8	249.00	6	1130.	0.1	0.1	0.0172
9	230.00	12	21805.	1.2	1.2	0.3317
10	209.00	10	11822.	0.7	0.7	0.1798
11	208.00	17	79324.	4.4	4.4	1.2067
12	207.00	10	5095.	0.3	0.3	0.0775
13	199.00	6	1119.	0.1	0.1	0.0170
14	198.00	10	3470.	0.2	0.2	0.0528
15	190.00	6	2462.	0.1	0.1	0.0375
16	182.00	10	17140.	1.0	1.0	0.2607
17	181.00	21	276200.	15.3	15.3	4.2016
18	180.00	29	1800576.	100.0	100.0	*27.39*
19	179.00	17	153784.	8.5	8.5	2.3393
20	178.00	21	157700.	8.8	8.8	2.3990*
21	177.00	17	73320.	4.1	4.1	1.1153
22	176.00	8	6853.	0.4	0.4	0.1042
23	175.00	14	8538.	0.5	0.5	0.1299*
24	166.00	8	3376.	0.2	0.2	0.0514
25	165.00	12	40568.	2.3	2.3	0.6171
26	164.00	8	26198.	1.5	1.5	0.3985
27	163.00	12	4967.	0.3	0.3	0.0756
28	157.00	6	698.	0.0	0.0	0.0106
29	154.00	14	49274.	2.7	2.7	0.7495
30	153.00	17	119172.	6.6	6.6	1.8128
31	152.00	21	323680.	18.0	18.0	4.9230
32	151.00	21	125860.	7.0	7.0	1.9147*
33	150.00	14	39457.	2.2	2.2	0.6002
34	149.00	6	4570.	0.3	0.3	0.0695
35	141.00	8	4120.	0.2	0.2	0.0627
36	140.00	17	41439.	2.3	2.3	0.6304
37	139.00	10	12562.	0.7	0.7	0.1911
38	138.00	8	11236.	0.6	0.6	0.1709
39	137.00	10	6789.	0.4	0.4	0.1033
40	130.00	6	2726.	0.2	0.2	0.0415
41	129.00	6	3663.	0.2	0.2	0.0557
42	128.00	14	46231.	2.6	2.6	0.7033
43	127.00	17	94180.	5.2	5.2	1.4327
44	126.00	14	46859.	2.6	2.6	0.7128
45	125.00	12	13123.	0.7	0.7	0.1996*
46	118.00	6	1947.	0.1	0.1	0.0296
47	116.00	8	4462.	0.2	0.2	0.0679
48	115.00	12	13292.	0.7	0.7	0.2022*
49	114.00	8	5113.	0.3	0.3	0.0778
50	113.00	10	20474.	1.1	1.1	0.3114
51	112.00	8	6380.	0.4	0.4	0.0971
52	111.00	8	5037.	0.3	0.3	0.0766
53	110.00	6	2673.	0.1	0.1	0.0407
54	103.00	8	2044.	0.1	0.1	0.0311
55	102.00	12	14223.	0.8	0.8	0.2164
56	101.00	10	27613.	1.5	1.5	0.4200
57	100.00	8	4862.	0.3	0.3	0.0740
58	99.00	8	22311.	1.2	1.2	0.3394
59	98.00	10	19070.	1.1	1.1	0.2902
60	97.00	12	6410.	0.4	0.4	0.0975
61	90.00	10	26780.	1.5	1.5	0.4074*
62	89.00	14	36856.	2.0	2.0	0.5606*
63	88.00	12	28239.	1.6	1.6	0.4296*
64	87.00	12	29342.	1.6	1.6	0.4463*
65	86.00	8	19040.	1.1	1.1	0.2898
66	79.00	8	1633.	0.1	0.1	0.0248
67	78.00	10	8900.	0.5	0.5	0.1354
68	77.00	21	127356.	7.1	7.1	1.9373
69	76.00	14	59870.	3.3	3.3	0.9107
70	75.00	17	54777.	3.0	3.0	0.8333*
71	74.00	12	38062.	2.1	2.1	0.5790*
72	69.00	21	278704.	15.5	15.5	4.2400
73	65.00	8	10103.	0.6	0.6	0.1537
74	64.00	10	16739.	0.9	0.9	0.2546
75	63.00	17	67704.	3.8	3.8	1.0299
76	62.00	14	22740.	1.3	1.3	0.3459
77	61.00	12	3703.	0.2	0.2	0.0575
78	57.00	8	5417.	0.3	0.3	0.0824
79	56.00	6	1367.	0.1	0.1	0.0200
80	55.00	10	4004.	0.2	0.2	0.0609
81	53.00	10	4044.	0.2	0.2	0.0615
82	52.00	10	12230.	0.7	0.7	0.1862
83	51.00	17	75780.	4.2	4.2	1.1529
84	50.00	14	48174.	2.7	2.7	0.7328
85	44.00	12	29967.	1.7	1.7	0.4559*
86	41.00	10	6209.	0.3	0.3	0.0945
87	39.00	17	57663.	3.2	3.2	0.8772*
88	38.00	8	4317.	0.2	0.2	0.0657
89	36.00	8	9174.	0.5	0.5	0.1396

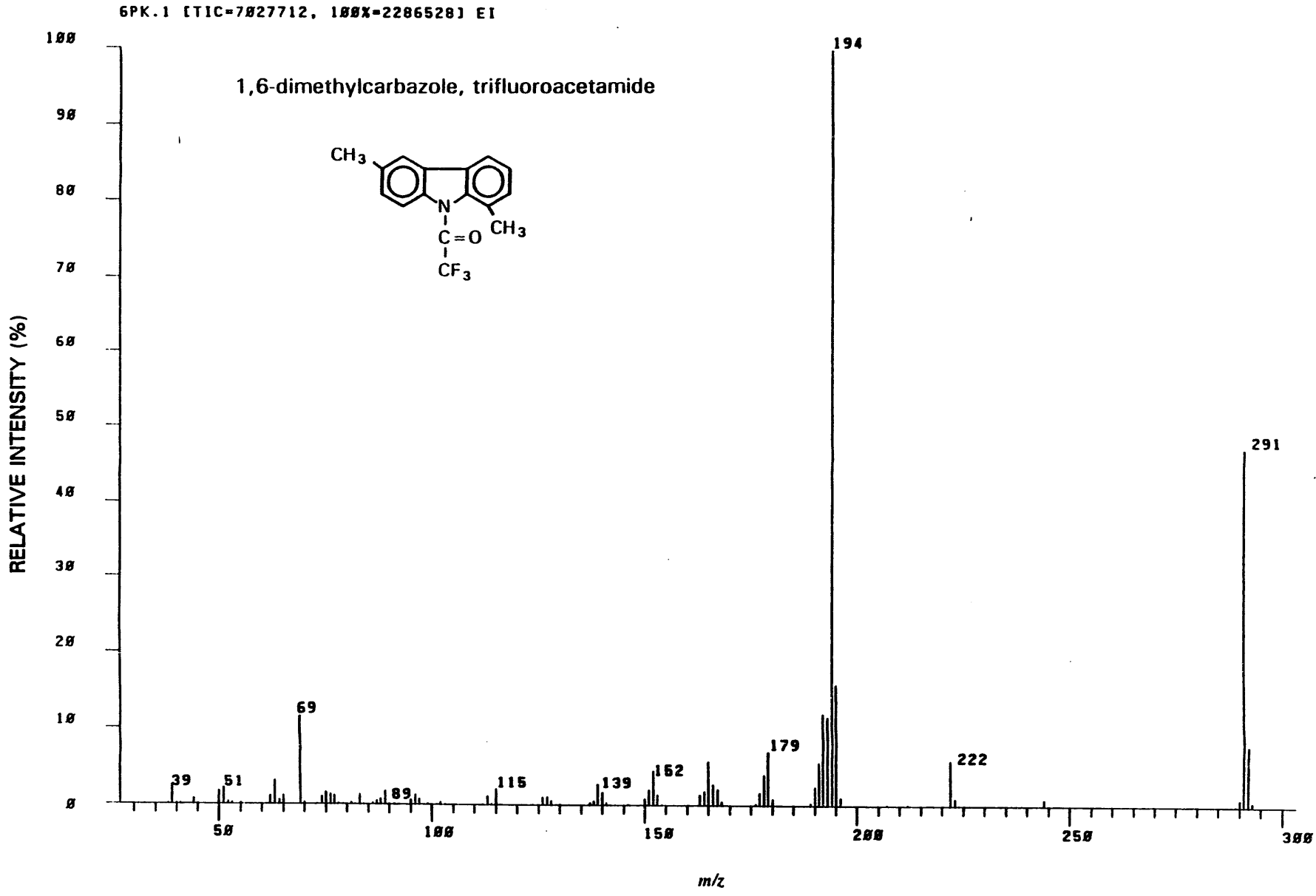

RELATIVE INTENSITY (%)
80
70
60
50
40
30
20
10
0
N
C=O
CF3
CH3
39
51
69
77
139
152
167
222
291
50
100
150
200
250
300
m/z

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	293.##	8	6649.	#.4	#.4	#.1321
2	292.##	14	1##292.	6.5	6.5	1.9928
3	291.##	21	61#528.	39.7	39.7	*12.13
4	29#.##	8	8596.	#.6	#.6	#.17##
5	276.##	8	13##9.	#.9	#.9	#.26#1
6	244.##	1#	8251.	#.5	#.5	#.1639
7	243.##	6	943.	#.1	#.1	#.#187
8	224.##	6	1228.	#.1	#.1	#.#244
9	223.##	8	6#13.	#.4	#.4	#.1195
1#	222.##	14	69284.	4.5	4.5	1.3767
11	221.##	6	1#1#.	#.1	#.1	#.#2#1
12	2#7.##	1#	5613.	#.4	#.4	#.1115
13	197.##	6	2#33.	#.1	#.1	#.#4#4
14	196.##	1#	2#42#.	1.3	1.3	#.4#57
15	195.##	17	226628.	14.7	14.7	4.5#29
16	194.##	25	1537216.	1##.#	1##.#	*3#.54*
17	193.##	21	187276.	12.2	12.2	3.7212*
18	192.##	21	149264.	9.7	9.7	2.9659*
19	191.##	21	125892.	8.2	8.2	2.5#15*
2#	19#.##	14	42144.	2.7	2.7	#.8374
21	188.##	6	3693.	#.2	#.2	#.#734
22	18#.##	8	12228.	#.8	#.8	#.243#
23	179.##	17	89752.	5.8	5.8	1.7834
24	178.##	14	65288.	4.2	4.2	1.2971
25	177.##	1#	31913.	2.1	2.1	#.6341
26	176.##	8	4185.	#.3	#.3	#.#832
27	168.##	1#	29277.	1.9	1.9	#.5817*
28	167.##	17	1#5432.	6.9	6.9	2.#949
29	166.##	17	56969.	3.7	3.7	1.132#
3#	165.##	14	8584#.	5.6	5.6	1.7#56
31	164.##	14	39556.	2.6	2.6	#.786#*
32	163.##	12	16784.	1.1	1.1	#.3335*
33	154.##	1#	17877.	1.2	1.2	#.3552
34	153.##	1#	17374.	1.1	1.1	#.3452
35	152.##	12	65936.	4.3	4.3	1.31#2
36	151.##	12	42965.	2.8	2.8	#.8537
37	15#.##	8	1#818.	#.7	#.7	#.215#
38	142.##	6	3153.	#.2	#.2	#.#627
39	141.##	8	6552.	#.4	#.4	#.13#2
4#	14#.##	12	41293.	2.7	2.7	#.8285*
41	139.##	14	42389.	2.8	2.8	#.8423
42	138.##	8	5478.	#.4	#.4	#.1#88
43	137.##	8	3684.	#.2	#.2	#.#732
44	129.##	6	1#61.	#.1	#.1	#.#211
45	128.##	12	25435.	1.7	1.7	#.5#54
46	127.##	1#	28#2.	1.8	1.8	#.56#4
47	126.##	8	18#66.	1.2	1.2	#.359#
48	125.##	1#	64#4.	#.4	#.4	#.1272
49	124.##	8	2114.	#.1	#.1	#.#42#
5#	117.##	6	2#22.	#.1	#.1	#.#4#2
51	116.##	1#	33#8.	#.2	#.2	#.#657
52	115.##	14	39196.	2.5	2.5	#.7788
53	114.##	8	3283.	#.2	#.2	#.#652
54	113.##	1#	1#89#.	#.7	#.7	#.2164
55	112.##	8	892.	#.1	#.1	#.#177

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	11#.##	6	2183.	#.1	#.1	#.#434
57	1#2.##	8	17235.	1.1	1.1	#.3425
58	1#1.##	12	224#3.	1.5	1.5	#.4451*
59	1##.##	8	6#36.	#.4	#.4	#.1358
6#	99.##	8	8#28.	#.5	#.5	#.1595
61	98.##	8	5#92.	#.3	#.3	#.1#12
62	97.##	12	271#1.	1.8	1.8	#.5385
63	95.##	8	716#.	#.5	#.5	#.1423
64	93.##	8	3#45.	#.2	#.2	#.#6#5
65	89.##	12	15#14.	1.#	1.#	#.2983
66	88.##	1#	13#29.	#.8	#.8	#.2589
67	87.##	12	2139#.	1.4	1.4	#.425#
68	86.##	8	9284.	#.6	#.6	#.1845
69	85.##	6	2969.	#.2	#.2	#.#59#
7#	83.##	8	129#3.	#.8	#.8	#.2564
71	82.##	6	4949.	#.3	#.3	#.#983
72	81.##	6	3##4.	#.2	#.2	#.#597
73	78.##	8	2556.	#.2	#.2	#.#5#8
74	77.##	14	41196.	2.7	2.7	#.8186
75	76.##	12	29466.	1.9	1.9	#.5855
76	75.##	12	54568.	3.5	3.5	1.##41
77	74.##	1#	24858.	1.6	1.6	#.4939
78	7#.##	8	256#.	#.2	#.2	#.#5#9
79	69.##	21	296###.	19.3	19.3	5.8974*
8#	66.##	6	1886.	#.1	#.1	#.#375
81	65.##	1#	23138.	1.5	1.5	#.4596
82	64.##	1#	8784.	#.6	#.6	#.1745
83	63.##	14	49921.	3.2	3.2	#.9919
84	62.##	12	2#945.	1.4	1.4	#.4162
85	61.##	8	3524.	#.2	#.2	#.#7##
86	53.##	1#	12597.	#.8	#.8	#.2503
87	52.##	12	19707.	1.3	1.3	#.3916
88	51.##	14	64559.	4.2	4.2	1.2828
89	5#.##	14	3#742.	2.#	2.#	#.6188
9#	44.##	8	7919.	#.5	#.5	#.1574
91	43.##	8	3728.	#.2	#.2	#.#741
92	42.##	12	5756.	#.4	#.4	#.1144
93	41.##	1#	7219.	#.5	#.5	#.1434
94	39.##	17	7#472.	4.6	4.6	1.4##3
95	38.##	8	6469.	#.4	#.4	#.1285

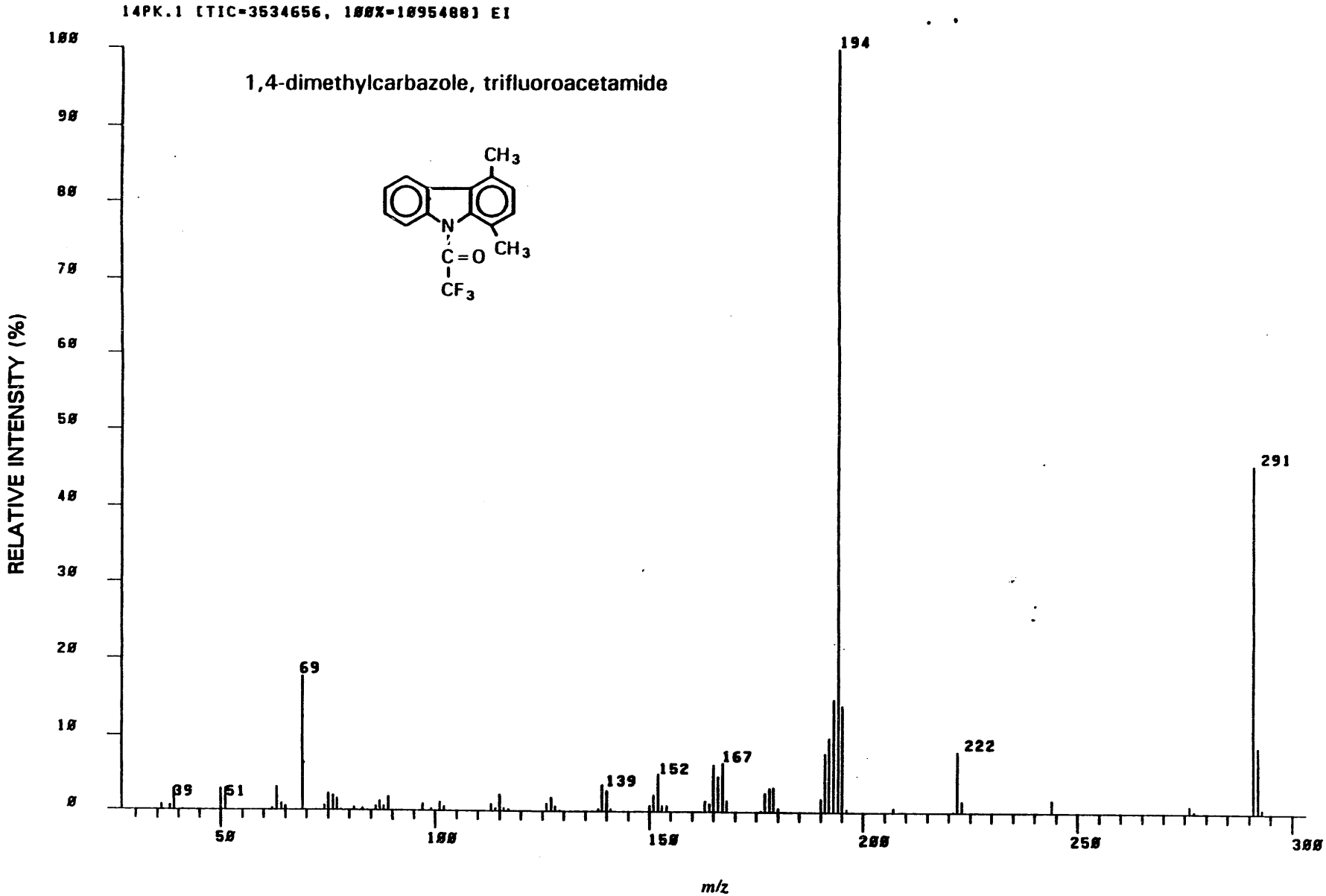

6PK.1 [TIC=7027712, 100%=2286528] EI
1,6-dimethylcarbazole, trifluoroacetamide
CH3
N
C=O
CF3
CH3
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
194
291
69
39
51
89
115
139
152
179
222
50
100
150
200
250
300
m/z

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	294.00	8	647.	0.0	0.0	0.0092
2	293.00	14	15060.	0.7	0.7	0.2144*
3	292.00	17	101540.	7.9	7.9	2.5032
4	291.00	29	1076544.	47.1	47.1	*16.31*
5	290.00	12	21410.	0.9	0.9	0.3047*
6	289.00	8	2176.	0.1	0.1	0.0310
7	276.00	8	1516.	0.1	0.1	0.0216
8	244.00	8	19407.	0.9	0.9	0.2773
9	242.00	6	800.	0.0	0.0	0.0126
10	224.00	6	2306.	0.1	0.1	0.0328
11	223.00	12	21442.	0.9	0.9	0.3051
12	222.00	17	135060.	5.9	5.9	1.9210
13	221.00	6	1316.	0.1	0.1	0.0187
14	212.00	12	4111.	0.2	0.2	0.0585
15	207.00	8	4869.	0.2	0.2	0.0693
16	204.00	6	1609.	0.1	0.1	0.0229
17	196.00	12	23253.	1.0	1.0	0.3309
18	195.00	25	361024.	15.8	15.8	5.1371*
19	194.00	29	2286520.	100.0	100.0	*32.53*
20	193.00	25	267936.	11.7	11.7	3.8126*
21	192.00	29	276240.	12.1	12.1	3.9307*
22	191.00	17	130556.	5.7	5.7	1.8577
23	190.00	17	58620.	2.6	2.6	0.8341*
24	189.00	17	8401.	0.4	0.4	0.1195*
25	184.00	6	436.	0.0	0.0	0.0062
26	180.00	12	18829.	0.8	0.8	0.2679
27	179.00	17	160720.	7.0	7.0	2.2869
28	178.00	17	95184.	4.2	4.2	1.3544
29	177.00	14	38670.	1.7	1.7	0.5503
30	176.00	8	7005.	0.3	0.3	0.0997
31	168.00	8	11894.	0.5	0.5	0.1692
32	167.00	14	48025.	2.1	2.1	0.6834
33	166.00	14	63102.	2.8	2.8	0.8978
34	165.00	21	132760.	5.8	5.8	1.8892
35	164.00	17	43711.	1.9	1.9	0.6220
36	163.00	17	30377.	1.3	1.3	0.4322
37	162.00	6	1484.	0.1	0.1	0.0200
38	154.00	8	5475.	0.2	0.2	0.0779
39	153.00	14	31372.	1.4	1.4	0.4464
40	152.00	17	104980.	4.6	4.6	1.4938*
41	151.00	17	49103.	2.1	2.1	0.6987
42	150.00	10	20100.	0.9	0.9	0.2873
43	147.00	8	1474.	0.1	0.1	0.0210
44	146.00	8	4629.	0.2	0.2	0.0659
45	143.00	6	1460.	0.1	0.1	0.0209
46	142.00	8	2200.	0.1	0.1	0.0313
47	141.00	10	9370.	0.4	0.4	0.1333
48	140.00	14	39203.	1.7	1.7	0.5578*
49	139.00	14	64269.	2.8	2.8	0.9145*
50	138.00	10	13291.	0.6	0.6	0.1891
51	137.00	10	8535.	0.4	0.4	0.1214
52	130.00	6	2230.	0.1	0.1	0.0317
53	129.00	8	2340.	0.1	0.1	0.0333
54	128.00	10	15170.	0.7	0.7	0.2160
55	127.00	12	23982.	1.0	1.0	0.3412

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	126.00	17	22729.	1.0	1.0	0.3234*
57	116.00	8	2991.	0.1	0.1	0.0426
58	115.00	17	47900.	2.1	2.1	0.6817
59	114.00	8	7629.	0.3	0.3	0.1086
60	113.00	14	26051.	1.1	1.1	0.3707*
61	112.00	8	3277.	0.1	0.1	0.0466
62	111.00	8	2583.	0.1	0.1	0.0368
63	103.00	6	2325.	0.1	0.1	0.0331
64	102.00	12	9566.	0.4	0.4	0.1361
65	101.00	6	3049.	0.1	0.1	0.0434
66	99.00	8	5665.	0.2	0.2	0.0806
67	98.00	8	3354.	0.1	0.1	0.0477
68	97.00	10	17554.	0.8	0.8	0.2498*
69	96.00	17	30479.	1.3	1.3	0.4337*
70	95.00	10	16798.	0.7	0.7	0.2390
71	91.00	8	4156.	0.2	0.2	0.0591
72	90.00	6	1865.	0.1	0.1	0.0265
73	89.00	12	41000.	1.8	1.8	0.5834
74	88.00	14	17447.	0.8	0.8	0.2483
75	87.00	10	11686.	0.5	0.5	0.1663
76	86.00	8	6639.	0.3	0.3	0.0945
77	84.00	8	2359.	0.1	0.1	0.0336
78	83.00	12	32087.	1.4	1.4	0.4566*
79	82.00	6	2195.	0.1	0.1	0.0312
80	81.00	14	5747.	0.3	0.3	0.0818
81	79.00	8	2066.	0.1	0.1	0.0294
82	78.00	12	5313.	0.2	0.2	0.0756*
83	77.00	12	26900.	1.2	1.2	0.3828
84	76.00	12	31938.	1.4	1.4	0.4545*
85	75.00	14	37300.	1.6	1.6	0.5309
86	74.00	12	22600.	1.0	1.0	0.3216
87	73.00	8	1929.	0.1	0.1	0.0274
88	70.00	10	7004.	0.3	0.3	0.1000
89	69.00	25	264384.	11.6	11.6	3.7620*
90	65.00	12	26290.	1.1	1.1	0.3741
91	64.00	12	14291.	0.6	0.6	0.2034
92	63.00	17	72052.	3.2	3.2	1.0253*
93	62.00	12	25210.	1.1	1.1	0.3588
94	61.00	8	1577.	0.1	0.1	0.0224
95	55.00	6	4326.	0.2	0.2	0.0616
96	53.00	12	6210.	0.3	0.3	0.0884
97	52.00	10	10032.	0.4	0.4	0.1427
98	51.00	17	50549.	2.2	2.2	0.7193*
99	50.00	14	40394.	1.8	1.8	0.5748*
100	47.00	8	1580.	0.1	0.1	0.0226
101	45.00	10	2258.	0.1	0.1	0.0321
102	44.00	14	17657.	0.8	0.8	0.2512*
103	41.00	10	4165.	0.2	0.2	0.0593
104	40.00	12	5051.	0.2	0.2	0.0719
105	39.00	17	60062.	2.7	2.7	0.8660*
106	38.00	6	4626.	0.2	0.2	0.0658

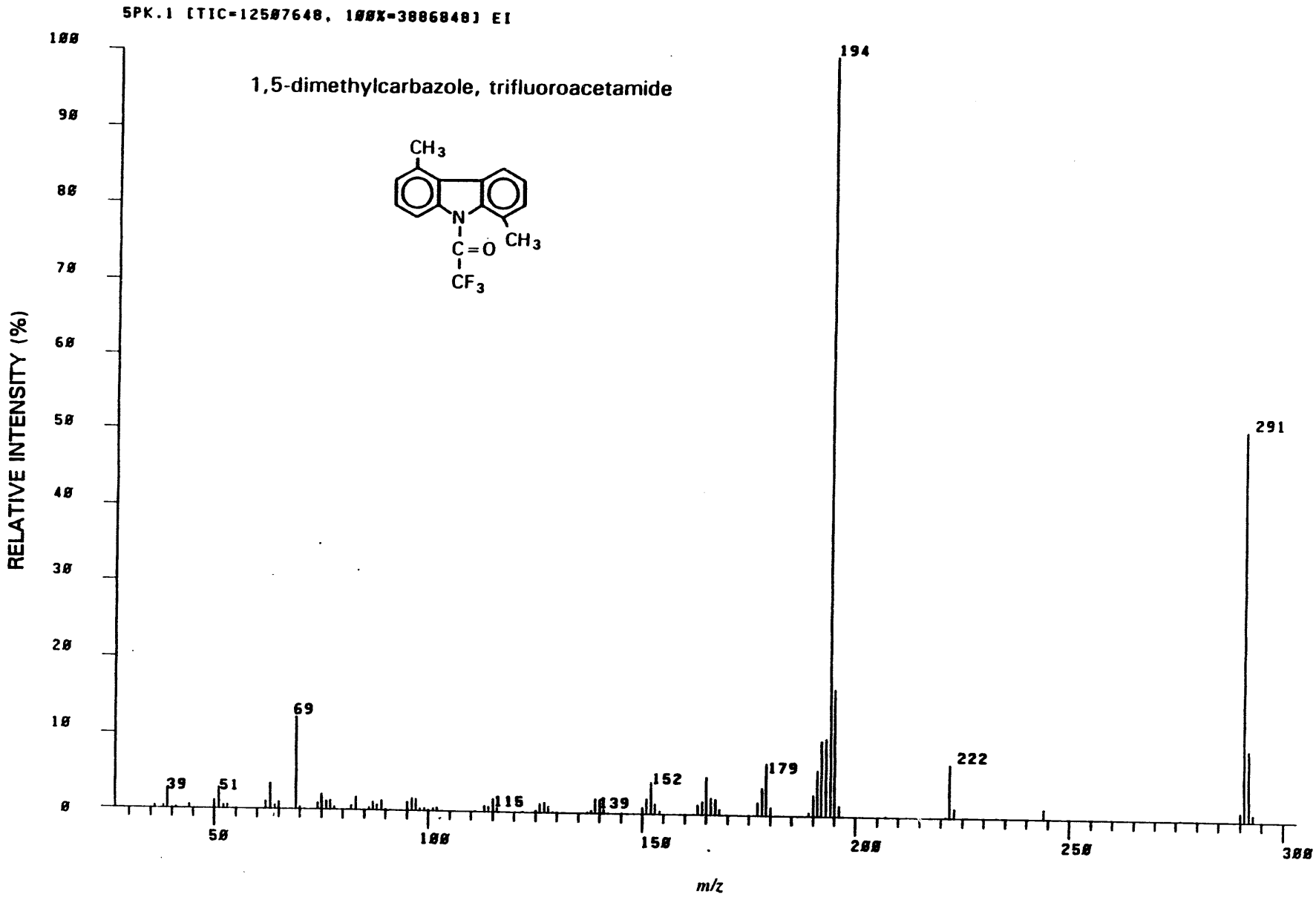

14PK.1 [TIC=3534656, 100%=10954880] EI
1,4-dimethylcarbazole, trifluoroacetamide
CH3
N
C=O
CF3
CH3
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
194
291
69
222
167
152
139
89
51
50
100
150
200
250
300
m/z

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	293.00	8	7021.	0.6	0.6	0.1986
2	292.00	14	96516.	8.0	8.0	2.7306
3	291.00	21	499136.	45.6	45.6	*14.12
4	277.00	8	3593.	0.3	0.3	0.1017
5	276.00	10	11277.	1.0	1.0	0.3190
6	244.00	8	18484.	1.7	1.7	0.5229
7	223.00	8	16937.	1.5	1.5	0.4792
8	222.00	17	88492.	8.1	8.1	2.5036
9	221.00	6	1878.	0.2	0.2	0.0531
10	209.00	8	1459.	0.1	0.1	0.0413
11	207.00	8	7000.	0.6	0.6	0.1980
12	196.00	8	5470.	0.5	0.5	0.1550
13	195.00	21	153900.	14.0	14.0	4.3540
14	194.00	25	1095480.	100.0	100.0	*30.99*
15	193.00	17	163040.	14.9	14.9	4.6120*
16	192.00	17	100700.	9.9	9.9	3.0755*
17	191.00	21	85716.	7.8	7.8	2.4250*
18	190.00	10	21030.	1.9	1.9	0.5952
19	189.00	6	590.	0.1	0.1	0.0167
20	180.00	8	6105.	0.6	0.6	0.1750
21	179.00	12	35691.	3.3	3.3	1.0097
22	178.00	12	34999.	3.2	3.2	0.9902
23	177.00	10	27442.	2.5	2.5	0.7764
24	176.00	6	2334.	0.2	0.2	0.0660
25	168.00	10	17166.	1.6	1.6	0.4856
26	167.00	12	71580.	6.5	6.5	2.0251
27	166.00	14	51363.	4.7	4.7	1.4531
28	165.00	14	68432.	6.2	6.2	1.9360
29	164.00	8	12607.	1.2	1.2	0.3567
30	163.00	12	15501.	1.4	1.4	0.4385*
31	154.00	12	9690.	0.9	0.9	0.2741
32	153.00	10	9605.	0.9	0.9	0.2717
33	152.00	14	54676.	5.0	5.0	1.5469
34	151.00	12	25075.	2.3	2.3	0.7094
35	150.00	12	9842.	0.9	0.9	0.2784
36	141.00	8	4244.	0.4	0.4	0.1201
37	140.00	12	30511.	2.8	2.8	0.8632
38	139.00	10	38801.	3.5	3.5	1.0977
39	138.00	8	4033.	0.4	0.4	0.1141
40	129.00	8	2353.	0.2	0.2	0.0666
41	128.00	8	8280.	0.8	0.8	0.2343
42	127.00	10	20989.	1.9	1.9	0.5938
43	126.00	8	11002.	1.0	1.0	0.3113
44	117.00	6	3489.	0.3	0.3	0.0987
45	116.00	8	5518.	0.5	0.5	0.1561
46	115.00	12	23869.	2.2	2.2	0.6753
47	114.00	12	5026.	0.5	0.5	0.1422
48	113.00	8	11648.	1.1	1.1	0.3295
49	102.00	8	6507.	0.6	0.6	0.1841
50	101.00	10	13571.	1.2	1.2	0.3839
51	99.00	8	3855.	0.4	0.4	0.1091
52	97.00	8	9976.	0.9	0.9	0.2822
53	89.00	10	20313.	1.9	1.9	0.5747*
54	88.00	8	6596.	0.6	0.6	0.1866
55	87.00	10	14388.	1.3	1.3	0.4071

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	86.00	6	7157.	0.7	0.7	0.2025
57	83.00	6	4197.	0.4	0.4	0.1187
58	81.00	8	5164.	0.5	0.5	0.1461
59	70.00	10	2516.	0.2	0.2	0.0712
60	77.00	10	17546.	1.6	1.6	0.4964
61	76.00	8	21703.	2.0	2.0	0.6140
62	75.00	12	25250.	2.3	2.3	0.7146*
63	74.00	10	8284.	0.8	0.8	0.2344
64	69.00	17	193204.	17.6	17.6	5.4660
65	65.00	8	5879.	0.5	0.5	0.1663
66	64.00	8	10391.	0.9	0.9	0.2940
67	63.00	14	33571.	3.1	3.1	0.9498
68	62.00	8	3605.	0.3	0.3	0.1020
69	51.00	12	32814.	2.9	2.9	0.9057
70	50.00	10	31134.	2.8	2.8	0.8808
71	41.00	6	2251.	0.2	0.2	0.0637
72	39.00	12	31291.	2.9	2.9	0.8853
73	38.00	8	7643.	0.7	0.7	0.2162
74	36.00	12	8948.	0.8	0.8	0.2532


5PK.1 [TIC=12587648, 100%=3886848] EI
1,5-dimethylcarbazole, trifluoroacetamide
CH3
N
C=O
CF3
CH3
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
194
291
69
39
51
115
139
152
179
222
50
100
150
200
250
300
m/z

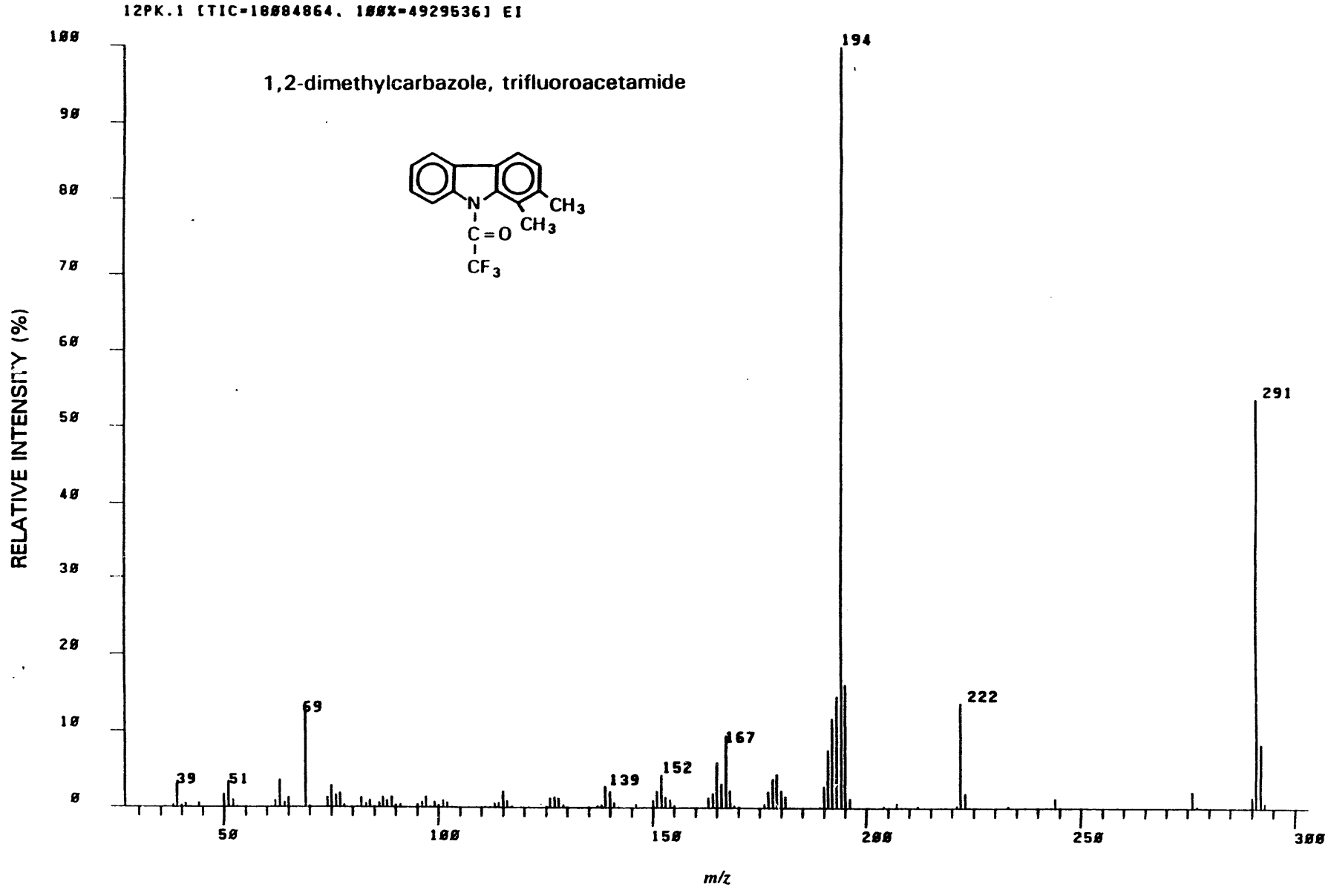
PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	293.00	12	35697.	0.9	0.9	0.2854
2	292.00	21	367168.	9.4	9.4	2.9365*
3	291.00	29	1991840.	51.2	51.2	*15.91*
4	290.00	17	45804.	1.2	1.2	0.3662*
5	288.00	6	1548.	0.0	0.0	0.0124
6	277.00	6	1402.	0.0	0.0	0.0110
7	276.00	8	7309.	0.2	0.2	0.0584
8	245.00	12	2831.	0.1	0.1	0.0226
9	244.00	14	50935.	1.3	1.3	0.4072
10	242.00	8	2608.	0.1	0.1	0.0209
11	233.00	8	3152.	0.1	0.1	0.0252
12	224.00	8	1625.	0.0	0.0	0.0130
13	223.00	14	49007.	1.3	1.3	0.3918
14	222.00	17	277648.	7.1	7.1	2.2198
15	221.00	8	7263.	0.2	0.2	0.0581
16	220.00	6	1762.	0.0	0.0	0.0141
17	212.00	8	2266.	0.1	0.1	0.0181
18	208.00	8	2789.	0.1	0.1	0.0223
19	207.00	10	6859.	0.2	0.2	0.0548
20	206.00	6	1864.	0.0	0.0	0.0149
21	205.00	12	2031.	0.1	0.1	0.0162
22	204.00	10	4044.	0.1	0.1	0.0323
23	197.00	8	3255.	0.1	0.1	0.0260
24	196.00	14	56345.	1.4	1.4	0.4505
25	195.00	25	654032.	16.8	16.8	5.2291*
26	194.00	43	3886848.	100.0	100.0	*31.07*
27	193.00	29	400928.	10.3	10.3	3.2055*
28	192.00	29	388752.	10.0	10.0	3.1081*
29	191.00	25	239440.	6.2	6.2	1.9143*
30	190.00	21	115420.	3.0	3.0	0.9229*
31	189.00	12	21145.	0.5	0.5	0.1691*
32	188.00	8	2626.	0.1	0.1	0.0210
33	180.00	14	42996.	1.1	1.1	0.3438*
34	179.00	17	269504.	6.9	6.9	2.1554
35	178.00	17	143500.	3.7	3.7	1.1473
36	177.00	17	68588.	1.8	1.8	0.5484
37	176.00	10	5235.	0.1	0.1	0.0419
38	175.00	8	3961.	0.1	0.1	0.0317
39	170.00	8	1584.	0.0	0.0	0.0127
40	169.00	8	984.	0.0	0.0	0.0079
41	168.00	10	31720.	0.8	0.8	0.2536
42	167.00	17	82024.	2.1	2.1	0.6558
43	166.00	17	89360.	2.3	2.3	0.7145
44	165.00	21	196860.	5.1	5.1	1.5740*
45	164.00	17	70160.	1.8	1.8	0.5610*
46	163.00	14	49690.	1.3	1.3	0.3973
47	162.00	6	4424.	0.1	0.1	0.0364
48	155.00	8	1530.	0.0	0.0	0.0122
49	154.00	12	20903.	0.5	0.5	0.1671*
50	153.00	17	56477.	1.5	1.5	0.4515
51	152.00	17	166872.	4.3	4.3	1.3342
52	151.00	17	82832.	2.1	2.1	0.6623
53	150.00	14	32792.	0.8	0.8	0.2622
54	147.00	6	1434.	0.0	0.0	0.0115
55	145.00	8	5333.	0.1	0.1	0.0426

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	142.00	8	9372.	0.2	0.2	0.0749
57	141.00	12	19923.	0.5	0.5	0.1593*
58	140.00	17	71920.	1.9	1.9	0.5750
59	139.00	17	75176.	1.9	1.9	0.6010
60	130.00	10	14970.	0.4	0.4	0.1197
61	137.00	10	7987.	0.2	0.2	0.0639
62	135.00	6	972.	0.0	0.0	0.0078
63	130.00	10	3193.	0.1	0.1	0.0255
64	129.00	8	7169.	0.2	0.2	0.0573
65	120.00	14	34466.	0.9	0.9	0.2756*
66	127.00	14	54530.	1.4	1.4	0.4360
67	126.00	14	48870.	1.3	1.3	0.3907
68	125.00	12	15819.	0.4	0.4	0.1265
69	122.00	8	7730.	0.2	0.2	0.0618
70	119.00	10	2392.	0.1	0.1	0.0191
71	116.00	12	22019.	0.6	0.6	0.1760
72	115.00	17	70360.	1.8	1.8	0.5626
73	114.00	12	30316.	0.8	0.8	0.2424
74	113.00	12	34133.	0.9	0.9	0.2729
75	112.00	8	2514.	0.1	0.1	0.0201
76	111.00	10	7945.	0.2	0.2	0.0635
77	103.00	12	4891.	0.1	0.1	0.0391
78	102.00	12	22661.	0.6	0.6	0.1812
79	101.00	8	18450.	0.5	0.5	0.1475
80	100.00	12	7376.	0.2	0.2	0.0590*
81	99.00	10	18735.	0.5	0.5	0.1498
82	98.00	10	15923.	0.4	0.4	0.1273
83	97.00	17	62180.	1.6	1.6	0.4971
84	96.00	17	67540.	1.7	1.7	0.5401*
85	95.00	14	45966.	1.2	1.2	0.3675
86	91.00	8	3576.	0.1	0.1	0.0286
87	90.00	8	6906.	0.2	0.2	0.0552
88	89.00	17	52796.	1.4	1.4	0.4221*
89	88.00	14	29619.	0.8	0.8	0.2368*
90	87.00	14	42623.	1.1	1.1	0.3408*
91	86.00	10	19267.	0.5	0.5	0.1540*
92	85.00	6	1590.	0.0	0.0	0.0127
93	83.00	14	68200.	1.8	1.8	0.5453*
94	82.00	14	25951.	0.7	0.7	0.2075*
95	81.00	10	6525.	0.2	0.2	0.0522
96	70.00	12	19504.	0.5	0.5	0.1559*
97	77.00	14	50089.	1.3	1.3	0.4005
98	76.00	14	47066.	1.2	1.2	0.3763
99	75.00	21	83176.	2.1	2.1	0.6650*
100	74.00	14	37411.	1.0	1.0	0.2991*
101	71.00	8	3988.	0.1	0.1	0.0319
102	70.00	12	13313.	0.3	0.3	0.1064
103	69.00	25	474000.	12.2	12.2	3.7903*
104	60.00	8	6820.	0.2	0.2	0.0545
105	65.00	14	39946.	1.0	1.0	0.3194*
106	64.00	8	25706.	0.7	0.7	0.2055
107	63.00	21	134352.	3.5	3.5	1.0742
108	62.00	17	40500.	1.0	1.0	0.3238
109	61.00	6	1983.	0.1	0.1	0.0159
110	57.00	6	2842.	0.1	0.1	0.0227

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	55.00	6	3801.	0.1	0.1	0.0304
112	53.00	14	26298.	0.7	0.7	0.2103*
113	52.00	14	23364.	0.6	0.6	0.1868
114	51.00	21	112100.	2.9	2.9	0.8963
115	50.00	17	47427.	1.2	1.2	0.3792*
116	44.00	10	25062.	0.6	0.6	0.2004*
117	41.00	12	12854.	0.3	0.3	0.1028*
118	40.00	6	5063.	0.1	0.1	0.0405
119	39.00	21	106040.	2.7	2.7	0.8478*
120	38.00	14	19527.	0.5	0.5	0.1561*
121	36.00	12	18399.	0.5	0.5	0.1471


12PK.1 [TIC=10084864, 100%=4929536] EI
1,2-dimethylcarbazole, trifluoroacetamide
RELATIVE INTENSITY (%)
m/z
194
291
222
69
167
152
139
51
39

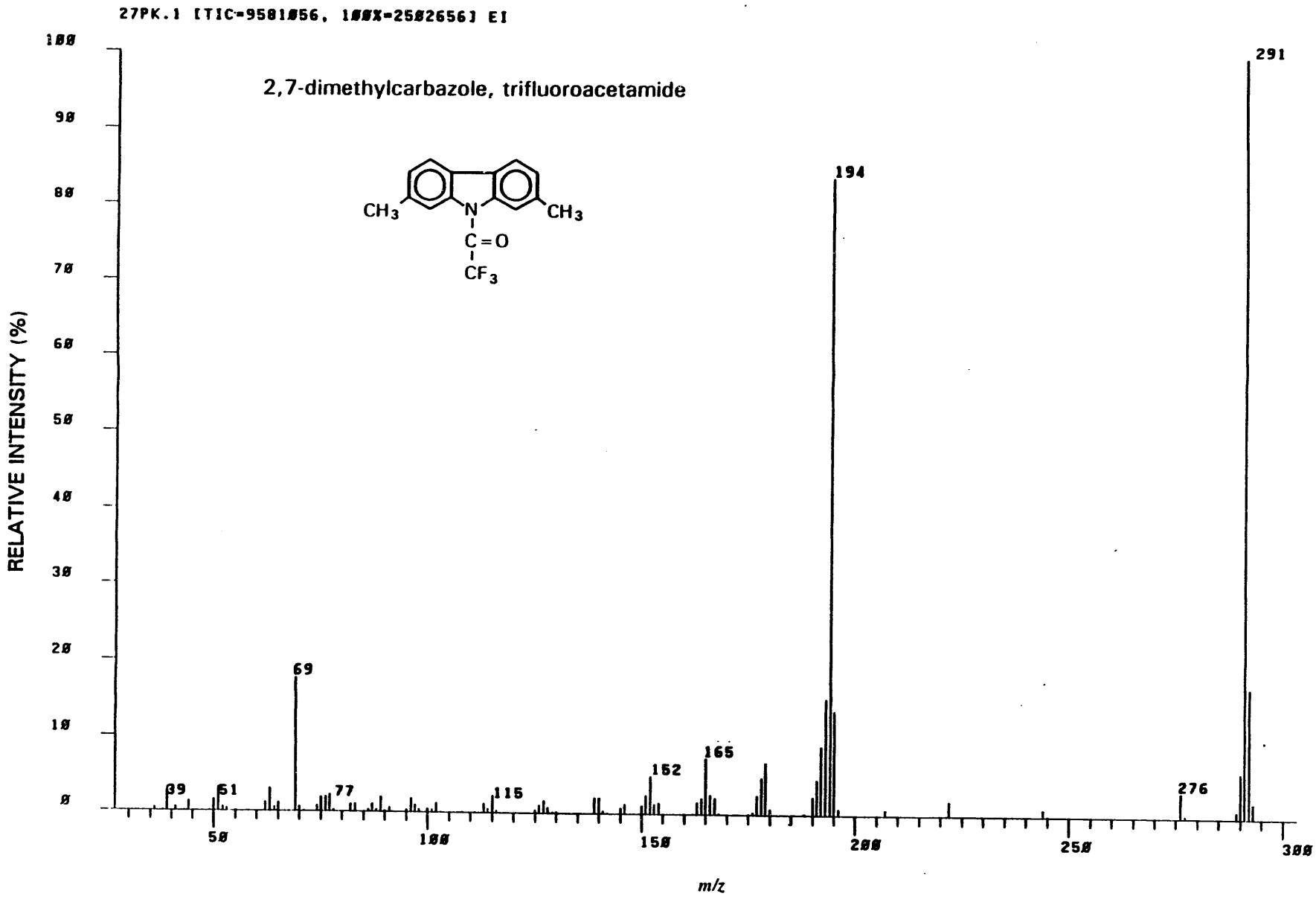
PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	293.00	12	37267.	0.8	0.8	0.2061
2	292.00	25	421456.	8.5	8.5	2.3304*
3	291.00	35	2653376.	53.8	53.8	*14.67
4	290.00	21	76264.	1.5	1.5	0.4217*
5	289.00	10	2576.	0.1	0.1	0.0142
6	288.00	6	1862.	0.0	0.0	0.0103
7	277.00	10	13909.	0.3	0.3	0.0769
8	276.00	17	106104.	2.2	2.2	0.5867
9	252.00	10	2383.	0.0	0.0	0.0132
10	251.00	8	1924.	0.0	0.0	0.0106
11	245.00	8	7089.	0.1	0.1	0.0392
12	244.00	12	61979.	1.3	1.3	0.3427
13	243.00	10	6564.	0.1	0.1	0.0308
14	242.00	10	6027.	0.1	0.1	0.0333
15	240.00	6	2725.	0.1	0.1	0.0151
16	234.00	6	1911.	0.0	0.0	0.0106
17	233.00	8	15546.	0.3	0.3	0.0860
18	232.00	6	1159.	0.0	0.0	0.0064
19	228.00	6	1613.	0.0	0.0	0.0089
20	224.00	10	6305.	0.1	0.1	0.0349
21	223.00	17	101448.	2.1	2.1	0.5610
22	222.00	21	679376.	13.8	13.8	3.7566
23	221.00	10	17566.	0.4	0.4	0.0971
24	220.00	8	3102.	0.1	0.1	0.0172
25	216.00	8	1682.	0.0	0.0	0.0093
26	212.00	10	13222.	0.3	0.3	0.0731
27	209.00	8	4245.	0.1	0.1	0.0235
28	208.00	10	5860.	0.1	0.1	0.0324
29	207.00	12	34692.	0.7	0.7	0.1918
30	206.00	6	2264.	0.0	0.0	0.0125
31	205.00	8	5910.	0.1	0.1	0.0327
32	204.00	8	14413.	0.3	0.3	0.0797
33	202.00	8	3721.	0.1	0.1	0.0206
34	197.00	8	3849.	0.1	0.1	0.0213
35	196.00	17	61602.	1.2	1.2	0.3406*
36	195.00	29	797856.	16.2	16.2	4.4117*
37	194.00	43	4929536.	100.0	100.0	*27.25*
38	193.00	35	721000.	14.6	14.6	3.9872*
39	192.00	35	585000.	11.9	11.9	3.2352*
40	191.00	29	376000.	7.6	7.6	2.0835*
41	190.00	21	145200.	2.9	2.9	0.8029*
42	189.00	17	9855.	0.2	0.2	0.0545*
43	188.00	6	915.	0.0	0.0	0.0051
44	185.00	8	2465.	0.1	0.1	0.0136
45	182.00	10	4689.	0.1	0.1	0.0259
46	181.00	14	75196.	1.5	1.5	0.4158
47	180.00	17	116556.	2.4	2.4	0.6445*
48	179.00	17	221536.	4.5	4.5	1.2250
49	178.00	21	192852.	3.9	3.9	1.0664
50	177.00	17	108540.	2.2	2.2	0.6002
51	176.00	12	27613.	0.6	0.6	0.1527
52	175.00	6	1273.	0.0	0.0	0.0070
53	174.00	6	1389.	0.0	0.0	0.0077
54	170.00	8	8209.	0.2	0.2	0.0454
55	169.00	12	17683.	0.4	0.4	0.0978*

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	168.00	17	116660.	2.3	2.3	0.6395
57	167.00	21	469216.	9.5	9.5	2.5945
58	166.00	17	162700.	3.3	3.3	0.8997
59	165.00	21	295264.	6.0	6.0	1.6327*
60	164.00	21	95092.	1.9	1.9	0.5258
61	163.00	14	67584.	1.4	1.4	0.3737*
62	162.00	6	2666.	0.1	0.1	0.0147
63	155.00	10	19003.	0.4	0.4	0.1051
64	154.00	17	54120.	1.1	1.1	0.2993
65	153.00	14	70200.	1.4	1.4	0.3887
66	152.00	17	216644.	4.4	4.4	1.1979
67	151.00	17	110460.	2.2	2.2	0.6100
68	150.00	14	48700.	1.0	1.0	0.2690
69	149.00	10	2346.	0.0	0.0	0.0130
70	146.00	10	27801.	0.6	0.6	0.1537
71	145.00	6	1100.	0.0	0.0	0.0061
72	143.00	6	910.	0.0	0.0	0.0051
73	142.00	12	9460.	0.2	0.2	0.0524
74	141.00	12	33313.	0.7	0.7	0.1842
75	140.00	17	109096.	2.2	2.2	0.6032
76	139.00	21	143560.	2.9	2.9	0.7939
77	138.00	12	17695.	0.4	0.4	0.0978
78	137.00	8	14475.	0.3	0.3	0.0800
79	133.00	8	1473.	0.0	0.0	0.0081
80	130.00	8	4910.	0.1	0.1	0.0272
81	129.00	12	23374.	0.5	0.5	0.1292*
82	128.00	21	62730.	1.3	1.3	0.3469*
83	127.00	17	71776.	1.5	1.5	0.3969
84	126.00	17	65536.	1.3	1.3	0.3624
85	125.00	12	16031.	0.3	0.3	0.0886
86	124.00	10	2491.	0.1	0.1	0.0138
87	117.00	10	13230.	0.3	0.3	0.0732
88	116.00	14	45581.	0.9	0.9	0.2520
89	115.00	17	109864.	2.2	2.2	0.6075
90	114.00	17	40093.	0.8	0.8	0.2217
91	113.00	17	51430.	1.0	1.0	0.2844
92	112.00	10	6410.	0.1	0.1	0.0354
93	111.00	10	10709.	0.2	0.2	0.0592
94	110.00	10	4229.	0.1	0.1	0.0234
95	104.00	6	2001.	0.0	0.0	0.0115
96	103.00	8	7240.	0.1	0.1	0.0400
97	102.00	12	35493.	0.7	0.7	0.1963
98	101.00	14	45225.	0.9	0.9	0.2501*
99	100.00	12	17511.	0.4	0.4	0.0968*
100	99.00	12	38029.	0.8	0.8	0.2103
101	98.00	10	9762.	0.2	0.2	0.0540
102	97.00	21	73420.	1.5	1.5	0.4060*
103	96.00	17	37540.	0.8	0.8	0.2076
104	95.00	14	20870.	0.4	0.4	0.1154*
105	91.00	10	23870.	0.5	0.5	0.1276*
106	90.00	12	20332.	0.4	0.4	0.1124*
107	89.00	17	69864.	1.4	1.4	0.3863*
108	88.00	14	48384.	1.0	1.0	0.2675
109	87.00	14	70800.	1.4	1.4	0.3920
110	86.00	10	33337.	0.7	0.7	0.1843

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	85.00	8	6981.	0.1	0.1	0.0306
112	84.00	17	49030.	1.0	1.0	0.2712*
113	83.00	14	33270.	0.7	0.7	0.1840*
114	82.00	26	67652.	1.4	1.4	0.3741*
115	81.00	8	6634.	0.1	0.1	0.0367
116	79.00	6	2289.	0.0	0.0	0.0127
117	78.00	14	19000.	0.4	0.4	0.1099*
118	77.00	17	95000.	1.9	1.9	0.5253
119	76.00	17	85032.	1.7	1.7	0.4746
120	75.00	17	145316.	2.9	2.9	0.8035
121	74.00	17	66424.	1.3	1.3	0.3673
122	73.00	8	3023.	0.1	0.1	0.0167
123	70.00	10	9934.	0.2	0.2	0.0549*
124	69.00	29	638320.	12.9	12.9	3.5296*
125	66.00	6	4609.	0.1	0.1	0.0255
126	65.00	17	68900.	1.4	1.4	0.3810
127	64.00	12	35520.	0.7	0.7	0.1965*
128	63.00	21	183324.	3.7	3.7	1.0137
129	62.00	14	45979.	0.9	0.9	0.2542
130	61.00	8	3901.	0.1	0.1	0.0216
131	57.00	6	1056.	0.0	0.0	0.0058
132	55.00	10	4991.	0.1	0.1	0.0276
133	53.00	12	15330.	0.3	0.3	0.0848*
134	52.00	14	52131.	1.1	1.1	0.2883*
135	51.00	21	173524.	3.5	3.5	0.9595
136	50.00	21	87912.	1.8	1.8	0.4861
137	49.00	6	1443.	0.0	0.0	0.0080
138	45.00	6	1687.	0.0	0.0	0.0093
139	44.00	14	29300.	0.6	0.6	0.1620*
140	42.00	12	5500.	0.1	0.1	0.0304
141	41.00	14	28100.	0.6	0.6	0.1554*
142	40.00	14	14909.	0.3	0.3	0.0824*
143	39.00	21	175516.	3.6	3.6	0.9705
144	38.00	12	16740.	0.3	0.3	0.0926*
145	36.00	10	10891.	0.2	0.2	0.0602


27PK.1 [TIC=9581056, 100%=2502656] EI
2,7-dimethylcarbazole, trifluoroacetamide
CH3
N
CH3
C=O
CF3
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
50
100
150
200
250
300
m/z
39
51
69
77
115
152
165
194
276
291

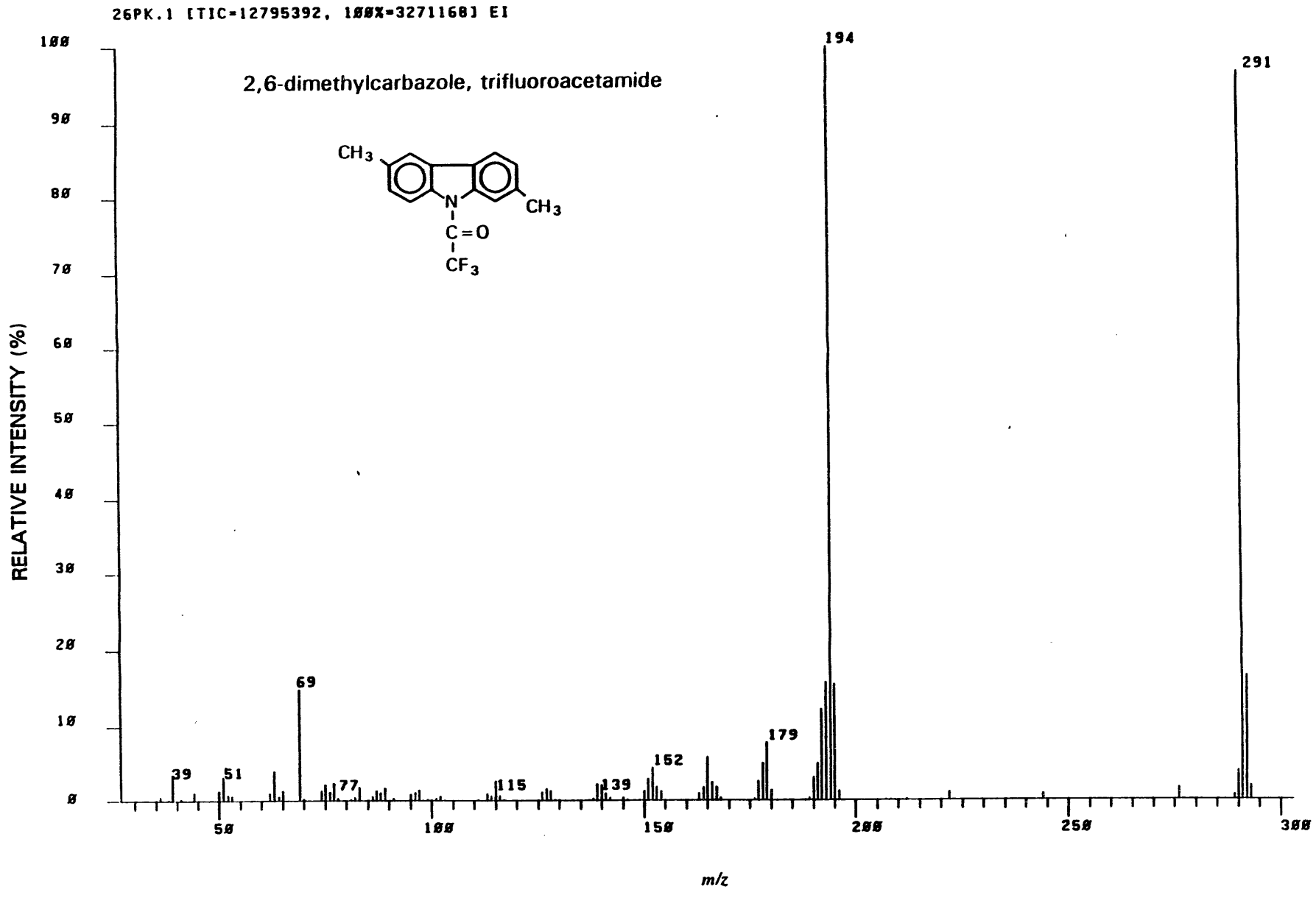
PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	293.00	14	50374.	2.0	2.0	0.5250
2	292.00	25	429800.	17.2	17.2	4.4860*
3	291.00	25	2502656.	100.0	100.0	*26.12*
4	290.00	21	151480.	6.1	6.1	1.5810
5	289.00	14	24663.	1.0	1.0	0.2574*
6	277.00	8	10449.	0.4	0.4	0.1091
7	276.00	17	83660.	3.3	3.3	0.8732
8	252.00	6	1577.	0.1	0.1	0.0165
9	245.00	10	3237.	0.1	0.1	0.0338
10	244.00	10	23862.	1.0	1.0	0.2491
11	229.00	8	1311.	0.1	0.1	0.0137
12	223.00	6	957.	0.0	0.0	0.0100
13	222.00	14	49070.	2.0	2.0	0.5122
14	221.00	6	1325.	0.1	0.1	0.0138
15	220.00	8	1429.	0.1	0.1	0.0149
16	212.00	6	1621.	0.1	0.1	0.0169
17	210.00	6	933.	0.0	0.0	0.0097
18	200.00	6	1411.	0.1	0.1	0.0147
19	207.00	12	19556.	0.8	0.8	0.2041
20	196.00	12	22284.	0.9	0.9	0.2326
21	195.00	21	346784.	13.9	13.9	3.6195*
22	194.00	29	2097856.	83.8	83.8	*21.89*
23	193.00	21	385264.	15.4	15.4	4.0211*
24	192.00	21	229224.	9.2	9.2	2.3925
25	191.00	21	119520.	4.8	4.8	1.2475
26	190.00	17	60466.	2.4	2.4	0.6311
27	189.00	8	3990.	0.2	0.2	0.0417
28	188.00	8	5254.	0.2	0.2	0.0548
29	180.00	10	19713.	0.8	0.8	0.2057
30	179.00	17	172668.	6.9	6.9	1.8022
31	178.00	17	124552.	5.0	5.0	1.3000
32	177.00	17	66112.	2.6	2.6	0.6900
33	176.00	8	10805.	0.4	0.4	0.1128
34	175.00	8	2531.	0.1	0.1	0.0264
35	170.00	8	1416.	0.1	0.1	0.0148
36	169.00	8	1569.	0.1	0.1	0.0164
37	168.00	8	4321.	0.2	0.2	0.0451
38	167.00	14	55800.	2.2	2.2	0.5824
39	166.00	17	66044.	2.6	2.6	0.6893
40	165.00	21	186216.	7.4	7.4	1.9436
41	164.00	14	54387.	2.2	2.2	0.5668
42	163.00	12	40024.	1.6	1.6	0.4177
43	162.00	10	3927.	0.2	0.2	0.0410
44	154.00	12	37703.	1.5	1.5	0.3935
45	153.00	14	34718.	1.4	1.4	0.3624
46	152.00	21	126492.	5.1	5.1	1.3202
47	151.00	14	64080.	2.6	2.6	0.6688
48	150.00	12	27474.	1.1	1.1	0.2868
49	146.00	17	33958.	1.4	1.4	0.3544*
50	145.00	10	20742.	0.8	0.8	0.2165
51	142.00	10	5219.	0.2	0.2	0.0545
52	141.00	10	8972.	0.4	0.4	0.0936
53	140.00	17	52234.	2.1	2.1	0.5452*
54	139.00	14	51998.	2.1	2.1	0.5427
55	130.00	12	7990.	0.3	0.3	0.0835*

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	129.00	8	6538.	0.3	0.3	0.0682
57	128.00	10	20245.	0.8	0.8	0.2113
58	127.00	14	43180.	1.7	1.7	0.4507
59	126.00	12	28384.	1.1	1.1	0.2963*
60	125.00	10	11137.	0.4	0.4	0.1162
61	119.00	6	1535.	0.1	0.1	0.0160
62	117.00	6	1565.	0.1	0.1	0.0163
63	116.00	10	8404.	0.3	0.3	0.0877
64	115.00	17	60160.	2.4	2.4	0.6279
65	114.00	12	16629.	0.7	0.7	0.1736
66	113.00	12	29230.	1.2	1.2	0.3052
67	112.00	6	886.	0.0	0.0	0.0092
68	111.00	6	3197.	0.1	0.1	0.0334
69	108.00	6	3130.	0.1	0.1	0.0327
70	103.00	6	2159.	0.1	0.1	0.0225
71	102.00	14	31989.	1.3	1.3	0.3339*
72	101.00	10	11120.	0.4	0.4	0.1161
73	100.00	8	12899.	0.5	0.5	0.1346
74	98.00	10	10944.	0.4	0.4	0.1142
75	97.00	14	26458.	1.1	1.1	0.2761
76	96.00	12	48001.	1.9	1.9	0.5010*
77	95.00	8	8944.	0.4	0.4	0.0934
78	93.00	6	1320.	0.1	0.1	0.0138
79	91.00	10	17610.	0.7	0.7	0.1838
80	90.00	10	4169.	0.2	0.2	0.0435
81	89.00	14	50542.	2.0	2.0	0.5275
82	88.00	12	10269.	0.4	0.4	0.1072
83	87.00	12	27342.	1.1	1.1	0.2854
84	86.00	10	8700.	0.3	0.3	0.0908
85	84.00	6	1474.	0.1	0.1	0.0154
86	83.00	14	26803.	1.1	1.1	0.2806*
87	82.00	10	25849.	1.0	1.0	0.2698
88	78.00	8	7866.	0.3	0.3	0.0821
89	77.00	17	59825.	2.4	2.4	0.6244
90	76.00	14	51071.	2.0	2.0	0.5330
91	75.00	14	48173.	1.9	1.9	0.5028
92	74.00	14	21289.	0.9	0.9	0.2222*
93	71.00	10	3269.	0.1	0.1	0.0341
94	70.00	12	18237.	0.7	0.7	0.1903*
95	69.00	21	441120.	17.6	17.6	4.6041
96	65.00	10	29812.	1.2	1.2	0.3112*
97	64.00	10	14897.	0.6	0.6	0.1555
98	63.00	21	76932.	3.1	3.1	0.8030
99	62.00	12	30025.	1.2	1.2	0.3134
100	55.00	6	2131.	0.1	0.1	0.0222
101	53.00	10	14123.	0.6	0.6	0.1474
102	52.00	12	17719.	0.7	0.7	0.1849*
103	51.00	17	82100.	3.3	3.3	0.8569
104	50.00	14	40026.	1.6	1.6	0.4178*
105	49.00	8	2713.	0.1	0.1	0.0283
106	45.00	8	1931.	0.1	0.1	0.0202
107	44.00	14	34015.	1.4	1.4	0.3550*
108	43.00	8	2847.	0.1	0.1	0.0297
109	41.00	10	16886.	0.7	0.7	0.1762
110	39.00	17	72500.	2.9	2.9	0.7568

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	38.00	8	5743.	0.2	0.2	0.0599
112	36.00	10	13353.	0.5	0.5	0.1394

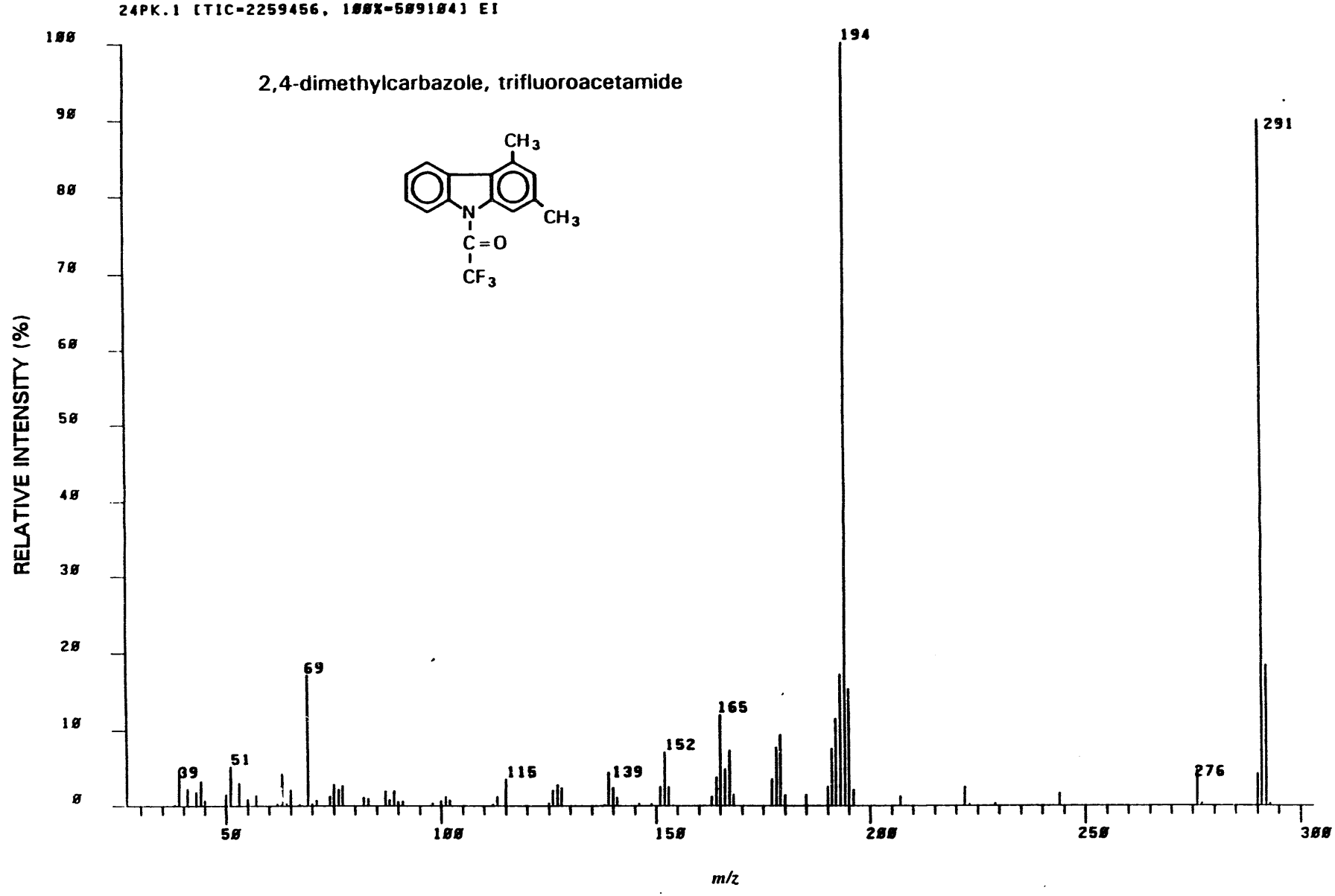

26PK.1 [TIC=12795392, 100%=3271168] EI
2,6-dimethylcarbazole, trifluoroacetamide
CH3
N
CH3
C=O
CF3
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
194
291
69
39
51
77
115
139
152
179
50
100
150
200
250
300
m/z

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	293.00	14	63753.	1.9	1.9	0.4902
2	292.00	25	542512.	16.6	16.6	4.2399*
3	291.00	35	3158848.	96.6	96.6	*24.68*
4	290.00	21	120172.	3.9	3.9	1.0017*
5	289.00	10	22513.	0.7	0.7	0.1759*
6	277.00	8	4521.	0.1	0.1	0.0353
7	276.00	14	55903.	1.7	1.7	0.4369
8	263.00	6	1895.	0.1	0.1	0.0148
9	246.00	8	2126.	0.1	0.1	0.0166
10	245.00	6	1560.	0.0	0.0	0.0122
11	244.00	12	28844.	0.9	0.9	0.2254
12	228.00	6	888.	0.0	0.0	0.0069
13	223.00	10	3496.	0.1	0.1	0.0273
14	222.00	14	36396.	1.1	1.1	0.2844
15	212.00	10	5695.	0.2	0.2	0.0445
16	208.00	10	3528.	0.1	0.1	0.0276
17	207.00	8	7974.	0.2	0.2	0.0623
18	196.00	14	41553.	1.3	1.3	0.3247*
19	195.00	29	505616.	15.5	15.6	3.9515*
20	194.00	29	3271160.	100.0	100.0	*25.56
21	193.00	29	515120.	15.7	15.7	4.0258*
22	192.00	29	399200.	12.2	12.2	3.1199*
23	191.00	25	165632.	5.1	5.1	1.2945*
24	190.00	21	100692.	3.1	3.1	0.7869
25	189.00	8	12003.	0.4	0.4	0.1001
26	188.00	8	4600.	0.1	0.1	0.0366
27	180.00	14	45516.	1.4	1.4	0.3557
28	179.00	17	254736.	7.8	7.8	1.9900
29	178.00	17	163796.	5.0	5.0	1.2801*
30	177.00	14	84604.	2.6	2.6	0.6612
31	176.00	10	10887.	0.3	0.3	0.0851
32	168.00	8	11586.	0.4	0.4	0.0905
33	167.00	14	59043.	1.8	1.8	0.4614
34	166.00	17	79388.	2.4	2.4	0.6204*
35	165.00	21	191000.	5.8	5.8	1.4934*
36	164.00	14	58546.	1.8	1.8	0.4576
37	163.00	12	30473.	0.9	0.9	0.2382
38	154.00	14	40696.	1.2	1.2	0.3181
39	153.00	17	60766.	1.9	1.9	0.4749
40	152.00	17	144900.	4.4	4.4	1.1331
41	151.00	17	95760.	2.9	2.9	0.7484
42	150.00	12	41284.	1.3	1.3	0.3226
43	149.00	6	2885.	0.1	0.1	0.0225
44	146.00	12	4850.	0.1	0.1	0.0379
45	145.00	10	14084.	0.4	0.4	0.1101
46	142.00	10	15636.	0.5	0.5	0.1222
47	141.00	10	29580.	0.9	0.9	0.2312
48	140.00	14	70320.	2.1	2.1	0.5496
49	139.00	17	71564.	2.2	2.2	0.5593
50	138.00	10	9398.	0.3	0.3	0.0734
51	137.00	8	3232.	0.1	0.1	0.0253
52	130.00	8	6928.	0.2	0.2	0.0541
53	129.00	8	6036.	0.2	0.2	0.0472
54	128.00	17	43801.	1.3	1.3	0.3423*
55	127.00	17	51860.	1.6	1.6	0.4053

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	126.00	14	38341.	1.2	1.2	0.2996
57	125.00	10	6507.	0.2	0.2	0.0509
58	117.00	10	4558.	0.1	0.1	0.0356
59	116.00	14	23453.	0.7	0.7	0.1833
60	115.00	17	86348.	2.6	2.6	0.6748
61	114.00	12	22267.	0.7	0.7	0.1740
62	113.00	12	30648.	0.9	0.9	0.2395
63	112.00	8	1510.	0.0	0.0	0.0118
64	111.00	10	7533.	0.2	0.2	0.0589
65	103.00	8	2810.	0.1	0.1	0.0220
66	102.00	10	20523.	0.6	0.6	0.1604*
67	101.00	12	13054.	0.4	0.4	0.1020*
68	100.00	8	4596.	0.1	0.1	0.0359
69	99.00	10	7732.	0.2	0.2	0.0604
70	98.00	8	2776.	0.1	0.1	0.0217
71	97.00	17	47072.	1.4	1.4	0.3679
72	96.00	17	35929.	1.1	1.1	0.2808*
73	95.00	10	26770.	0.8	0.8	0.2092*
74	91.00	10	13636.	0.4	0.4	0.1066
75	90.00	6	892.	0.0	0.0	0.0070
76	89.00	17	56359.	1.7	1.7	0.4405*
77	88.00	14	35646.	1.1	1.1	0.2786*
78	87.00	12	44658.	1.4	1.4	0.3490
79	86.00	10	20536.	0.6	0.6	0.1605
80	85.00	10	4877.	0.1	0.1	0.0381
81	83.00	14	60403.	1.8	1.8	0.4721*
82	82.00	8	15978.	0.5	0.5	0.1249
83	81.00	8	7957.	0.2	0.2	0.0622
84	70.00	12	13145.	0.4	0.4	0.1027
85	77.00	17	77220.	2.4	2.4	0.6035
86	76.00	12	39330.	1.2	1.2	0.3074
87	75.00	17	71164.	2.2	2.2	0.5562
88	74.00	12	44199.	1.4	1.4	0.3454
89	70.00	10	10414.	0.3	0.3	0.0814
90	69.00	25	486896.	14.9	14.9	3.8052
91	65.00	12	44378.	1.4	1.4	0.3468
92	64.00	12	21451.	0.7	0.7	0.1676
93	63.00	21	132024.	4.0	4.0	1.0318
94	62.00	14	32560.	1.0	1.0	0.2545
95	61.00	8	3462.	0.1	0.1	0.0271
96	53.00	10	22578.	0.7	0.7	0.1765
97	52.00	14	25185.	0.8	0.8	0.1968
98	51.00	17	104656.	3.2	3.2	0.8179
99	50.00	14	43937.	1.3	1.3	0.3434*
100	44.00	12	35950.	1.1	1.1	0.2810*
101	41.00	12	10162.	0.3	0.3	0.0794*
102	39.00	17	116000.	3.5	3.5	0.9073
103	38.00	12	5802.	0.2	0.2	0.0460*
104	36.00	12	18745.	0.6	0.6	0.1465*
105	35.00	8	4345.	0.1	0.1	0.0340

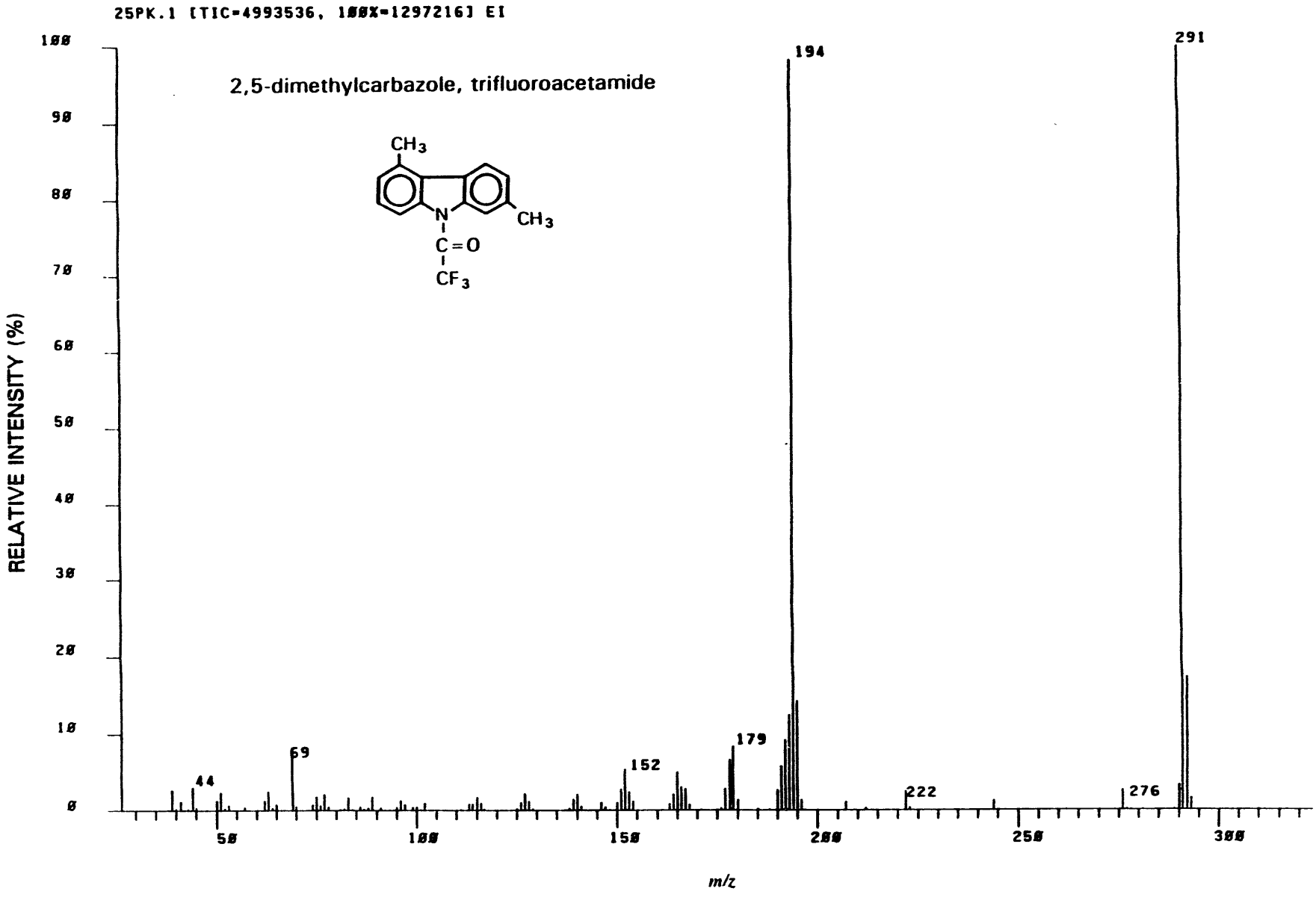

24PK.1 [TIC=2259456, 100%=589104] EI
2,4-dimethylcarbazole, trifluoroacetamide
CH3
N
CH3
C=O
CF3
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
194
291
69
165
152
51
39
115
139
276
50
100
150
200
250
300
m/z

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	293.00	6	2109.	0.4	0.4	0.0933
2	292.00	12	93480.	18.4	18.4	4.1373
3	291.00	17	457056.	89.9	89.9	*20.26
4	290.00	12	21576.	4.2	4.2	0.9549
5	277.00	6	2061.	0.4	0.4	0.0912
6	276.00	14	23944.	4.7	4.7	1.0597
7	244.00	10	8668.	1.7	1.7	0.3833
8	229.00	6	1863.	0.4	0.4	0.0825
9	223.00	6	1769.	0.3	0.3	0.0783
10	222.00	8	13134.	2.6	2.6	0.5813
11	207.00	8	6356.	1.2	1.2	0.2813
12	196.00	10	10962.	2.2	2.2	0.4852
13	195.00	17	77876.	15.3	15.3	3.4467
14	194.00	17	509104.	100.0	100.0	*22.53
15	193.00	12	87496.	17.2	17.2	3.8724
16	192.00	17	58607.	11.5	11.5	2.5974
17	191.00	17	38840.	7.6	7.6	1.7190
18	190.00	12	13466.	2.6	2.6	0.5960
19	185.00	8	7658.	1.5	1.5	0.3389
20	180.00	8	7300.	1.4	1.4	0.3231
21	179.00	17	47583.	9.3	9.3	2.1059
22	178.00	17	39496.	7.8	7.8	1.7480
23	177.00	12	18590.	3.7	3.7	0.8220*
24	168.00	10	7960.	1.6	1.6	0.3523
25	167.00	17	37517.	7.4	7.4	1.6604
26	166.00	14	24739.	4.9	4.9	1.0949
27	165.00	17	60700.	11.9	11.9	2.6868
28	164.00	14	19522.	3.8	3.8	0.8640*
29	163.00	8	6523.	1.3	1.3	0.2887
30	154.00	6	1209.	0.2	0.2	0.0535
31	153.00	12	13241.	2.6	2.6	0.5860
32	152.00	17	36165.	7.1	7.1	1.6006
33	151.00	12	13929.	2.7	2.7	0.6165
34	149.00	6	1741.	0.3	0.3	0.0771
35	146.00	8	2124.	0.4	0.4	0.0940
36	141.00	10	6123.	1.2	1.2	0.2710
37	140.00	12	12541.	2.5	2.5	0.5550
38	139.00	17	22693.	4.5	4.5	1.0044*
39	138.00	8	890.	0.2	0.2	0.0394
40	128.00	14	12399.	2.4	2.4	0.5488
41	127.00	12	14555.	2.9	2.9	0.6442
42	126.00	10	10540.	2.1	2.1	0.4665
43	125.00	6	2462.	0.5	0.5	0.1090
44	115.00	12	18426.	3.6	3.6	0.8155
45	113.00	6	6341.	1.2	1.2	0.2806
46	112.00	6	1303.	0.3	0.3	0.0577
47	102.00	10	4143.	0.8	0.8	0.1834
48	101.00	12	6362.	1.2	1.2	0.2816
49	100.00	6	3698.	0.7	0.7	0.1637
50	98.00	8	2252.	0.4	0.4	0.0997
51	91.00	10	3834.	0.8	0.8	0.1697
52	90.00	8	3007.	0.6	0.6	0.1331
53	89.00	8	10126.	2.0	2.0	0.4482
54	88.00	10	4556.	0.9	0.9	0.2016
55	87.00	10	10125.	2.0	2.0	0.4481

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	83.00	8	5276.	1.0	1.0	0.2335
57	82.00	8	6271.	1.2	1.2	0.2775
58	77.00	12	14237.	2.8	2.8	0.6301
59	76.00	10	11563.	2.3	2.3	0.5118*
60	75.00	10	14902.	2.9	2.9	0.6595*
61	74.00	8	7013.	1.4	1.4	0.3104
62	71.00	8	3921.	0.8	0.8	0.1735
63	70.00	6	1000.	0.4	0.4	0.0000
64	69.00	17	86896.	17.1	17.1	3.8459
65	67.00	8	1327.	0.3	0.3	0.0587
66	65.00	8	11314.	2.2	2.2	0.5007
67	64.00	8	1844.	0.4	0.4	0.0816
68	63.00	17	21921.	4.3	4.3	0.9702
69	62.00	14	8174.	1.6	1.6	0.3618
70	57.00	10	7347.	1.4	1.4	0.3252
71	55.00	8	4648.	0.9	0.9	0.2057
72	53.00	12	16386.	3.2	3.2	0.7252*
73	51.00	17	26566.	5.2	5.2	1.1758
74	50.00	14	7904.	1.6	1.6	0.3498
75	45.00	6	3894.	0.8	0.8	0.1723
76	44.00	10	17057.	3.4	3.4	0.7549*
77	43.00	8	9456.	1.9	1.9	0.4185
78	41.00	10	11875.	2.3	2.3	0.5256
79	39.00	17	24600.	4.8	4.8	1.0891
80	38.00	8	1625.	0.3	0.3	0.0719


25PK.1 [TIC=4993536, 100%=1297216] EI
2,5-dimethylcarbazole, trifluoroacetamide
CH3
N
CH3
C=O
CF3
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
194
291
179
69
152
44
222
276
50
100
150
200
250
300
m/z

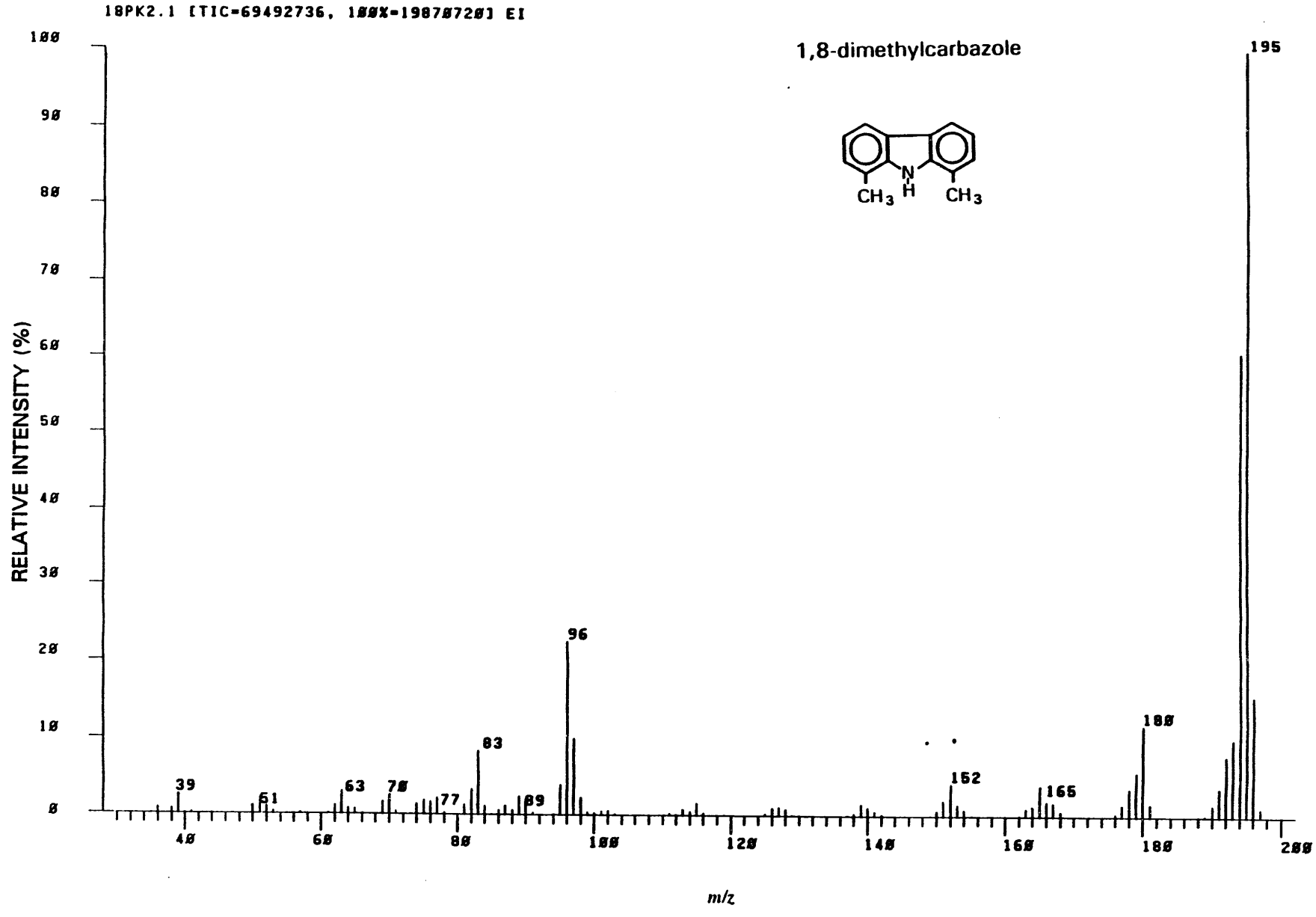
PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	310.00	6	1100.	0.1	0.1	0.0230
2	293.00	17	20867.	1.6	1.6	0.4179
3	292.00	17	225340.	17.4	17.4	4.5126*
4	291.00	21	1297216.	100.0	100.0	*25.97
5	290.00	17	43041.	3.4	3.4	0.8700*
6	289.00	6	2588.	0.2	0.2	0.0518
7	281.00	6	2272.	0.2	0.2	0.0455
8	278.00	6	1009.	0.1	0.1	0.0370
9	277.00	12	3000.	0.2	0.2	0.0617
10	276.00	12	35115.	2.7	2.7	0.7032
11	262.00	8	1888.	0.1	0.1	0.0378
12	245.00	6	1574.	0.1	0.1	0.0315
13	244.00	14	16620.	1.3	1.3	0.3328
14	242.00	6	659.	0.1	0.1	0.0132
15	223.00	8	5590.	0.4	0.4	0.1119
16	222.00	14	32664.	2.5	2.5	0.6541
17	212.00	8	4559.	0.4	0.4	0.0913
18	211.00	6	407.	0.0	0.0	0.0082
19	208.00	6	870.	0.1	0.1	0.0174
20	207.00	10	13926.	1.1	1.1	0.2789
21	197.00	6	1334.	0.1	0.1	0.0267
22	196.00	12	17786.	1.4	1.4	0.3562
23	195.90	14	185860.	14.3	14.3	3.7222
24	194.00	25	1273984.	98.2	98.2	*25.51*
25	193.00	14	163596.	12.6	12.6	3.2762
26	192.00	21	119944.	9.2	9.2	2.4020*
27	191.00	17	76140.	5.9	5.9	1.5248*
28	190.00	21	34991.	2.7	2.7	0.7007*
29	188.00	6	1195.	0.1	0.1	0.0239
30	185.00	8	3523.	0.3	0.3	0.0706
31	180.00	10	17399.	1.3	1.3	0.3484
32	179.00	14	109320.	8.4	8.4	2.1894*
33	178.00	17	87120.	6.7	6.7	1.7447
34	177.00	17	37819.	2.9	2.9	0.7574*
35	176.00	10	5155.	0.4	0.4	0.1032
36	175.00	6	2105.	0.2	0.2	0.0422
37	171.00	6	1165.	0.1	0.1	0.0233
38	168.00	10	10162.	0.8	0.8	0.2035
39	167.00	17	37705.	2.9	2.9	0.7551
40	166.00	12	40672.	3.1	3.1	0.8145
41	165.00	12	66516.	5.1	5.1	1.3320
42	164.00	17	27102.	2.1	2.1	0.5427
43	163.00	10	10990.	0.8	0.8	0.2202
44	161.00	6	1256.	0.1	0.1	0.0252
45	154.00	12	15627.	1.2	1.2	0.3129
46	153.00	17	33052.	2.5	2.5	0.6619
47	152.00	14	71140.	5.5	5.5	1.4248
48	151.00	12	36963.	2.8	2.8	0.7402
49	150.00	12	12885.	1.0	1.0	0.2580
50	148.00	8	1616.	0.1	0.1	0.0324
51	147.00	8	6163.	0.5	0.5	0.1234
52	146.00	10	13572.	1.0	1.0	0.2718
53	145.00	6	575.	0.0	0.0	0.0115
54	142.00	6	1166.	0.1	0.1	0.0234
55	141.00	14	8521.	0.7	0.7	0.1706

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	140.00	17	28531.	2.2	2.2	0.5714
57	139.00	14	19261.	1.5	1.5	0.3857
58	138.00	10	4450.	0.3	0.3	0.0893
59	137.00	6	2207.	0.2	0.2	0.0442
60	134.00	6	483.	0.0	0.0	0.0097
61	129.00	10	3563.	0.3	0.3	0.0714
62	128.00	14	15600.	1.2	1.2	0.3126
63	127.00	17	28414.	2.2	2.2	0.5690
64	126.00	8	12942.	1.0	1.0	0.2592
65	125.00	12	3399.	0.3	0.3	0.0681
66	117.00	12	4284.	0.3	0.3	0.0858
67	116.00	12	11791.	0.9	0.9	0.2361
68	115.00	14	22440.	1.7	1.7	0.4495*
69	114.00	12	11456.	0.9	0.9	0.2294*
70	113.00	12	11339.	0.9	0.9	0.2271
71	111.00	8	2360.	0.2	0.2	0.0473
72	105.00	6	1360.	0.1	0.1	0.0272
73	102.00	10	11805.	0.9	0.9	0.2364
74	101.00	10	3042.	0.2	0.2	0.0609
75	100.00	8	6515.	0.5	0.5	0.1305
76	99.00	12	5563.	0.4	0.4	0.1114
77	97.00	12	10046.	0.8	0.8	0.2012
78	96.00	14	16752.	1.3	1.3	0.3355
79	95.00	6	4461.	0.3	0.3	0.0893
80	91.00	8	4520.	0.3	0.3	0.0905
81	89.00	14	23820.	1.8	1.8	0.4772*
82	88.00	8	4706.	0.4	0.4	0.0942
83	87.00	8	3566.	0.3	0.3	0.0714
84	86.00	10	7652.	0.6	0.6	0.1532
85	84.00	8	2204.	0.2	0.2	0.0441
86	83.00	14	21974.	1.7	1.7	0.4400
87	82.00	8	3549.	0.3	0.3	0.0711
88	81.00	6	2984.	0.2	0.2	0.0598
89	78.00	8	6713.	0.5	0.5	0.1344
90	77.00	17	27257.	2.1	2.1	0.5458
91	76.00	12	9774.	0.8	0.8	0.1957
92	75.00	12	23029.	1.8	1.8	0.4612
93	74.00	8	10315.	0.8	0.8	0.2066
94	73.00	6	1246.	0.1	0.1	0.0250
95	70.00	10	6619.	0.5	0.5	0.1326
96	69.00	17	104716.	8.1	8.1	2.0970
97	65.00	12	10045.	0.8	0.8	0.2012
98	64.00	10	4823.	0.4	0.4	0.0966*
99	63.00	17	32494.	2.5	2.5	0.6507
100	62.00	14	16732.	1.3	1.3	0.3351
101	57.00	8	6619.	0.5	0.5	0.1326
102	55.00	8	1427.	0.1	0.1	0.0286
103	53.00	10	9612.	0.7	0.7	0.1925
104	52.00	6	3623.	0.3	0.3	0.0726
105	51.00	17	30356.	2.3	2.3	0.6079
106	50.00	12	16992.	1.3	1.3	0.3403
107	45.00	8	4807.	0.4	0.4	0.0963
108	44.00	17	39312.	3.0	3.0	0.7873*
109	43.00	6	3543.	0.3	0.3	0.0710
110	42.00	6	1859.	0.1	0.1	0.0372

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	41.00	12	15864.	1.2	1.2	0.3177
112	40.00	8	4106.	0.3	0.3	0.0822
113	39.00	12	35114.	2.7	2.7	0.7032*
114	38.00	6	1298.	0.1	0.1	0.0260
115	36.00	8	1990.	0.2	0.2	0.0399


18PK2.1 [TIC=69492736, 100%=1987872Ø] EI
1,8-dimethylcarbazole
RELATIVE INTENSITY (%)
m/z
195
96
83
39
61
63
77
89
152
165
180

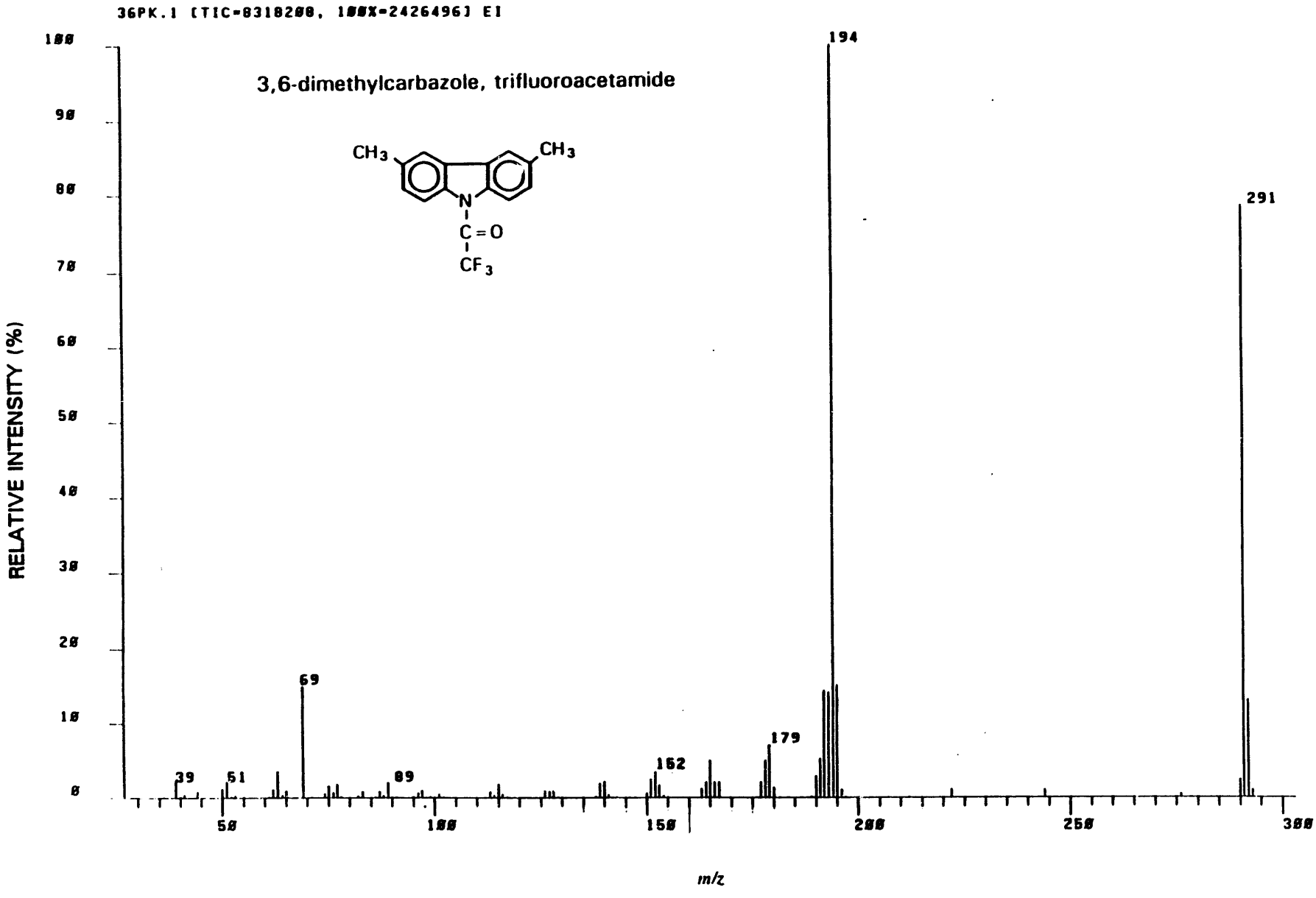
PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	198.00	12	3254.	0.0	0.0	0.0047
2	197.00	17	224004.	1.1	1.1	0.3236*
3	196.00	43	3113216.	15.7	15.7	4.4799*
4	195.00	43	19870720.	100.0	100.0	*28.59*
5	194.00	51	12062200.	60.7	60.7	*17.35*
6	193.00	71	1997312.	10.1	10.1	2.8741*
7	192.00	51	1560128.	7.9	7.9	2.2460*
8	191.00	35	735552.	3.7	3.7	1.0585*
9	190.00	35	305664.	1.5	1.5	0.4399*
10	189.00	14	42403.	0.2	0.2	0.0611*
11	188.00	10	19641.	0.1	0.1	0.0283*
12	187.00	6	4447.	0.0	0.0	0.0064
13	184.00	6	1094.	0.0	0.0	0.0016
14	182.00	8	11874.	0.1	0.1	0.0171
15	181.00	17	323424.	1.6	1.6	0.4654
16	180.00	25	2352576.	11.8	11.8	3.3854*
17	179.00	25	1121536.	5.6	5.6	1.6139*
18	178.00	25	719696.	3.6	3.6	1.0356*
19	177.00	25	312320.	1.6	1.6	0.4494*
20	176.00	12	72612.	0.4	0.4	0.1045
21	175.00	10	8263.	0.0	0.0	0.0119
22	169.00	6	5381.	0.0	0.0	0.0077
23	168.00	14	132792.	0.7	0.7	0.1911
24	167.00	29	350480.	1.8	1.8	0.5159*
25	166.00	29	390192.	2.0	2.0	0.5615*
26	165.00	29	785104.	4.0	4.0	1.1298*
27	164.00	17	277712.	1.4	1.4	0.3996*
28	163.00	17	202304.	1.0	1.0	0.2912*
29	162.00	10	24569.	0.1	0.1	0.0354
30	161.00	6	1740.	0.0	0.0	0.0025
31	155.00	12	25050.	0.1	0.1	0.0360
32	154.00	17	177140.	0.9	0.9	0.2549
33	153.00	17	301216.	1.5	1.5	0.4334
34	152.00	21	831504.	4.2	4.2	1.1966
35	151.00	21	396750.	2.0	2.0	0.5709*
36	150.00	14	135304.	0.7	0.7	0.2006
37	149.00	10	16379.	0.1	0.1	0.0236
38	144.00	8	3581.	0.0	0.0	0.0052
39	143.00	8	10480.	0.1	0.1	0.0151*
40	142.00	14	63529.	0.3	0.3	0.0914*
41	141.00	14	117916.	0.6	0.6	0.1697*
42	140.00	17	227360.	1.1	1.1	0.3272
43	139.00	17	330192.	1.7	1.7	0.4751
44	138.00	14	74940.	0.4	0.4	0.1079
45	137.00	12	45610.	0.2	0.2	0.0656
46	136.00	8	4745.	0.0	0.0	0.0068
47	131.00	6	3490.	0.0	0.0	0.0050
48	130.00	8	16459.	0.1	0.1	0.0237
49	129.00	10	30449.	0.2	0.2	0.0438
50	128.00	17	175604.	0.9	0.9	0.2527
51	127.00	17	214412.	1.1	1.1	0.3085*
52	126.00	17	205780.	1.0	1.0	0.2961
53	125.00	12	56884.	0.3	0.3	0.0819
54	124.00	10	15264.	0.1	0.1	0.0220
55	123.00	6	5917.	0.0	0.0	0.0085

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	122.00	8	9486.	0.0	0.0	0.0137
57	118.00	8	1263.	0.0	0.0	0.0018
58	117.00	10	11989.	0.1	0.1	0.0173
59	116.00	14	81096.	0.4	0.4	0.1167*
60	116.00	17	315200.	1.6	1.6	0.4537
61	114.00	17	116240.	0.6	0.6	0.1673
62	113.00	17	154200.	0.8	0.8	0.2219
63	112.00	10	21020.	0.1	0.1	0.0303
64	111.00	10	51565.	0.3	0.3	0.0742
65	110.00	8	16698.	0.1	0.1	0.0240
66	109.00	8	1325.	0.0	0.0	0.0019
67	104.00	8	13557.	0.1	0.1	0.0195
68	103.00	10	44765.	0.2	0.2	0.0644
69	102.00	17	120836.	0.6	0.6	0.1739
70	101.00	17	112000.	0.6	0.6	0.1612
71	100.00	12	64330.	0.3	0.3	0.0926*
72	99.00	17	96692.	0.5	0.5	0.1391
73	98.00	21	454304.	2.3	2.3	0.6537*
74	97.00	43	1984192.	10.0	10.0	2.8553*
75	96.00	51	4470528.	22.5	22.5	6.4331*
76	95.00	35	789472.	4.0	4.0	1.1360*
77	94.00	10	32241.	0.2	0.2	0.0464
78	92.00	8	6461.	0.0	0.0	0.0093
79	91.00	17	73964.	0.4	0.4	0.1064*
80	90.00	25	385360.	1.9	1.9	0.5545*
81	89.00	35	487264.	2.5	2.5	0.7012*
82	88.00	21	132000.	0.7	0.7	0.1900*
83	87.00	17	231200.	1.2	1.2	0.3327
84	86.00	17	129020.	0.6	0.6	0.1857
85	85.00	10	18536.	0.1	0.1	0.0267
86	84.00	21	235032.	1.2	1.2	0.3394*
87	83.00	35	1662912.	8.4	8.4	2.3929*
88	82.00	35	664144.	3.3	3.3	0.9557*
89	81.00	29	277072.	1.4	1.4	0.3999*
90	80.00	6	1332.	0.0	0.0	0.0019
91	79.00	8	6569.	0.0	0.0	0.0095
92	78.00	12	62007.	0.3	0.3	0.0904
93	77.00	25	440528.	2.2	2.2	0.6339*
94	76.00	25	347960.	1.8	1.8	0.5007*
95	75.00	25	373312.	1.9	1.9	0.5372*
96	74.00	17	267440.	1.3	1.3	0.3848*
97	73.00	12	15700.	0.1	0.1	0.0227
98	72.00	12	9840.	0.0	0.0	0.0142*
99	71.00	17	88040.	0.4	0.4	0.1267*
100	70.00	35	500496.	2.5	2.5	0.7202*
101	69.00	35	344224.	1.7	1.7	0.4953*
102	68.00	8	10013.	0.1	0.1	0.0144*
103	67.00	8	2442.	0.0	0.0	0.0035
104	66.00	10	10916.	0.1	0.1	0.0272
105	65.00	17	158200.	0.8	0.8	0.2277
106	64.00	21	155436.	0.8	0.8	0.2237*
107	63.00	21	601056.	3.0	3.0	0.8661*
108	62.00	17	242444.	1.2	1.2	0.3489
109	61.00	12	40591.	0.2	0.2	0.0584
110	58.00	14	15061.	0.1	0.1	0.0217*

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
111	57.00	14	60329.	0.3	0.3	0.0068*
112	56.00	8	13670.	0.1	0.1	0.0197
113	55.00	8	7727.	0.0	0.0	0.0111
114	54.00	10	16354.	0.1	0.1	0.0221
115	53.00	17	89272.	0.4	0.4	0.1285
116	52.00	17	196972.	1.0	1.0	0.2834
117	51.00	21	435856.	2.2	2.2	0.6272
118	50.00	17	214220.	1.1	1.1	0.3083
119	45.00	6	5973.	0.0	0.0	0.0086
120	44.00	8	16240.	0.1	0.1	0.0234*
121	42.00	8	5090.	0.0	0.0	0.0073
122	41.00	14	51230.	0.3	0.3	0.0737
123	40.00	8	36479.	0.2	0.2	0.0525
124	39.00	17	508440.	2.6	2.6	0.7317
125	38.00	21	135480.	0.7	0.7	0.1950*
126	37.00	10	13447.	0.1	0.1	0.0194*
127	36.00	17	166460.	0.8	0.8	0.2395
128	35.00	8	17514.	0.1	0.1	0.0252


36PK.1 [TIC=8318200, 100%=2426496] EI
3,6-dimethylcarbazole, trifluoroacetamide
CH3
CH3
N
C=O
CF3
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
194
291
69
39
51
89
162
179
50
100
150
200
250
300
m/z

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	293.##	14	25821.	1.1	1.1	#.3184
2	292.##	21	316416.	13.#	13.#	3.#039*
3	291.##	25	1986112.	78.6	78.6	*22.91*
4	29#.##	14	58996.	2.4	2.4	#.7#92*
5	289.##	6	1##2.	#.#	#.#	#.#128
6	288.##	#	1464.	#.1	#.1	#.#176
7	276.##	#	13342.	#.5	#.5	#.1#4
8	244.##	1#	25#8#.	1.#	1.#	#.3#16
9	222.##	12	26#26.	1.1	1.1	#.3129*
1#	22#.##	6	1#23.	#.#	#.#	#.#123
11	212.##	#	3#18.	#.1	#.1	#.#363
12	211.##	6	1148.	#.#	#.#	#.#138
13	2#7.##	#	2127.	#.1	#.1	#.#256
14	197.##	6	2749.	#.1	#.1	#.#33#
15	196.##	14	26589.	1.1	1.1	#.3196
16	195.##	21	364###.	15.#	15.#	4.3769*
17	194.##	35	2426496.	1##.#	1##.#	*29.17*
18	193.##	25	341#24.	14.1	14.1	4.#997*
19	192.##	25	34832#.	14.4	14.4	4.1#74
2#	191.##	21	125928.	5.2	5.2	1.5139*
21	19#.##	21	7232#.	3.#	3.#	#.#694*
22	189.##	#	4##5.	#.2	#.2	#.#481
23	188.##	#	2394.	#.1	#.1	#.#288
24	18#.##	14	33289.	1.4	1.4	#.3992
25	179.##	21	168648.	7.#	7.#	2.#275*
26	178.##	17	12#576.	5.#	5.#	1.4495
27	177.##	17	5#279.	2.1	2.1	#.6#44
28	176.##	#	2223.	#.1	#.1	#.#267
29	168.##	6	1689.	#.1	#.1	#.#193
3#	167.##	14	51645.	2.1	2.1	#.6289
31	166.##	14	51689.	2.1	2.1	#.6214
32	165.##	17	12#216.	5.#	5.#	1.4452
33	164.##	17	517#6.	2.1	2.1	#.6216
34	163.##	12	29#68.	1.2	1.2	#.3659
35	155.##	6	2#49.	#.1	#.1	#.#246
36	154.##	#	6548.	#.3	#.3	#.#787
37	153.##	12	4163#.	1.7	1.7	#.5##5
38	152.##	17	86116.	3.6	3.6	1.#353
39	151.##	17	6#77#.	2.6	2.5	#.73#6
4#	15#.##	12	16317.	#.7	#.7	#.1962
41	143.##	#	2895.	#.1	#.1	#.#348
42	142.##	1#	2282.	#.1	#.1	#.#274
43	141.##	1#	11976.	#.5	#.5	#.1439
44	14#.##	17	53287.	2.2	2.2	#.6396
45	139.##	14	46983.	1.9	1.9	#.5639*
46	138.##	14	5575.	#.2	#.2	#.#67#
47	13#.##	6	2815.	#.1	#.1	#.#338
48	129.##	17	3243.	#.1	#.1	#.#39#*
49	128.##	12	23619.	1.#	1.#	#.2#27
5#	127.##	1#	21526.	#.9	#.9	#.2#28
51	126.##	1#	2348#.	1.#	1.#	#.2#13
52	122.##	6	1137.	#.#	#.#	#.#137
53	117.##	#	29#7.	#.1	#.1	#.#349
54	116.##	1#	14##7.	#.6	#.6	#.1684
55	115.##	12	45612.	1.9	1.9	#.5483

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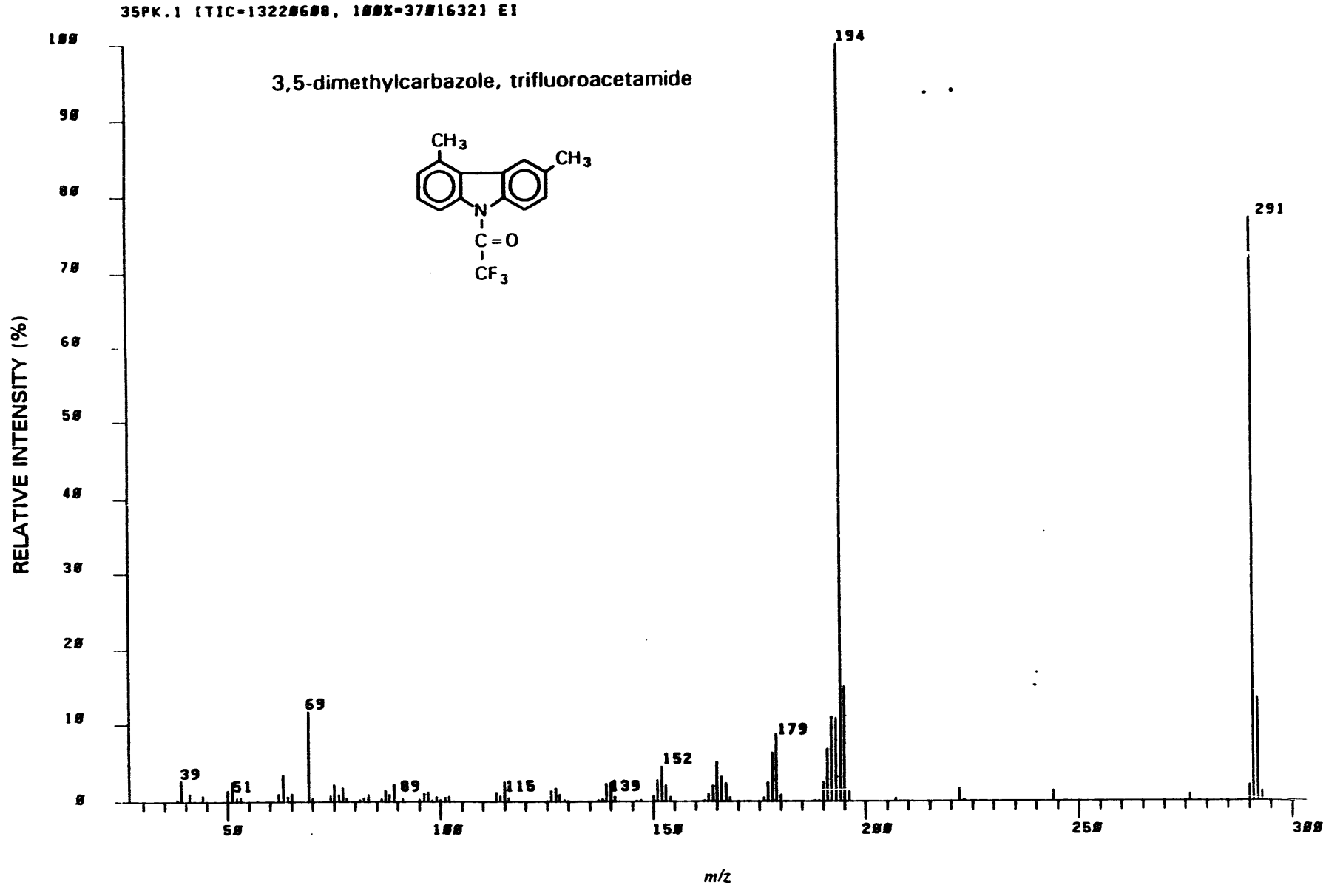
PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	114.##	#	11897.	#.5	#.5	#.143#
57	113.##	1#	2#944.	#.9	#.9	#.2618
58	1#2.##	#	5738.	#.2	#.2	#.#69#
59	1#1.##	#	12918.	#.5	#.5	#.1552
6#	1##.##	#	2#5#.	#.1	#.1	#.#246
61	99.##	#	4776.	#.2	#.2	#.#574
62	98.##	6	2588.	#.1	#.1	#.#3#2
63	97.##	14	24926.	1.#	1.#	#.2997*
64	96.##	1#	17#55.	#.7	#.7	#.2#56*
65	95.##	#	4468.	#.2	#.2	#.#537
66	91.##	#	4458.	#.2	#.2	#.#536
67	9#.##	#	2794.	#.1	#.1	#.#336
68	89.##	17	49#35.	2.#	2.#	#.5#95*
69	88.##	#	9774.	#.4	#.4	#.1175
7#	87.##	#	2#338.	#.#	#.#	#.2445
71	86.##	6	2943.	#.1	#.1	#.#354
72	83.##	12	2#633.	#.9	#.9	#.248#
73	82.##	1#	####	#.3	#.3	#.#963
74	78.##	6	4261.	#.2	#.2	#.#512
75	77.##	12	45#88.	1.9	1.9	#.5519*
76	76.##	12	19732.	#.8	#.8	#.2372
77	75.##	14	39265.	1.6	1.6	#.472#
78	74.##	12	16186.	#.7	#.7	#.1936
79	73.##	6	1617.	#.1	#.1	#.#194
8#	71.##	6	2822.	#.1	#.1	#.#339
81	69.##	21	359312.	14.#	14.#	4.3196
82	66.##	6	1473.	#.1	#.1	#.#177
83	65.##	1#	22244.	#.9	#.9	#.2674
84	64.##	1#	#951.	#.4	#.4	#.1#76
85	63.##	17	84###.	3.5	3.5	1.#2#4*
86	62.##	1#	26356.	1.1	1.1	#.3168
87	61.##	6	4279.	#.2	#.2	#.#514
88	55.##	#	2#87.	#.1	#.1	#.#349
89	53.##	1#	11855.	#.5	#.5	#.1425
9#	52.##	12	7924.	#.3	#.3	#.#953*
91	51.##	14	52###.	2.2	2.2	#.6358
92	5#.##	17	29363.	1.2	1.2	#.353#*
93	44.##	12	2#276.	#.#	#.#	#.2438*
94	41.##	#	1#847.	#.4	#.4	#.13#4
95	4#.##	#	6##4.	#.2	#.2	#.#722
96	39.##	17	54619.	2.3	2.3	#.6566*
97	38.##	#	3#32.	#.1	#.1	#.#365
98	36.##	#	5352.	#.2	#.2	#.#643


35PK.1 [TIC=1322#6#8, 1##X=37#1632] EI
3,5-dimethylcarbazole, trifluoroacetamide
CH3
CH3
N
C=O
CF3
RELATIVE INTENSITY (%)
m/z
194
291
179
152
69
39
51
89
115
139

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	293.##	14	485#1.	1.3	1.3	#.3669*
2	292.##	21	499###.	13.5	13.5	3.7811*
3	291.##	35	2859944.	77.#	77.#	*21.56*
4	29#.##	17	7#22#.	2.1	2.1	#.5917*
5	289.##	#	3352.	#.1	#.1	#.#264
6	277.##	#	2##9.	#.1	#.1	#.#219
7	276.##	12	36411.	1.#	1.#	#.2764
8	272.##	#	1954.	#.1	#.1	#.#148
9	245.##	6	24#2.	#.1	#.1	#.#182
1#	244.##	14	49949.	1.3	1.3	#.3778
11	229.##	#	2364.	#.1	#.1	#.#179
12	223.##	1#	9735.	#.3	#.3	#.#736
13	222.##	17	6#195.	1.6	1.6	#.4553
14	221.##	#	2251.	#.1	#.1	#.#17#
15	22#.##	#	1224.	#.#	#.#	#.##93
16	2##.##	6	2981.	#.1	#.1	#.#225
17	2#8.##	#	3344.	#.1	#.1	#.#253
18	2#7.##	#	16739.	#.5	#.5	#.1266
19	2#6.##	6	1841.	#.#	#.#	#.#139
2#	196.##	14	48358.	1.3	1.3	#.3658
21	195.##	25	55472#.	15.#	15.#	4.1959*
22	194.##	35	3781632.	1##.#	1##.#	*27.99*
23	193.##	25	4##64#.	1#.8	1#.8	3.#3#4*
24	192.##	25	4#6#64.	11.#	11.#	3.#714*
25	191.##	29	253396.	6.8	6.8	1.9167*
26	19#.##	21	94364.	2.5	2.5	#.7138*
27	189.##	12	7982.	#.2	#.2	#.##84*
28	188.##	#	7474.	#.2	#.2	#.#565
29	181.##	#	4152.	#.1	#.1	#.#314
3#	18#.##	12	3#452.	#.#	#.#	#.2383
31	179.##	21	322432.	8.7	8.7	2.4389
32	178.##	21	23456#.	6.3	6.3	1.7742
33	177.##	17	891##.	2.4	2.4	#.674#
34	176.##	12	19418.	#.5	#.5	#.1469*
35	17#.##	#	1663.	#.#	#.#	#.#126
36	168.##	1#	19218.	#.5	#.5	#.1454
37	167.##	17	875##.	2.4	2.4	#.6618
38	166.##	21	118##8.	3.2	3.2	#.#932*
39	165.##	21	193816.	5.2	5.2	1.466#*
4#	164.##	17	75996.	2.1	2.1	#.5748
41	163.##	14	36749.	1.#	1.#	#.278#
42	162.##	6	848#.	#.2	#.2	#.#641
43	154.##	12	27252.	#.7	#.7	#.2#61
44	153.##	17	78752.	2.1	2.1	#.5967
45	152.##	21	17##16.	4.6	4.6	1.286#
46	151.##	17	1#5468.	2.8	2.8	#.7977
47	15#.##	1#	3##94.	#.#	#.#	#.2276
48	148.##	1#	2886.	#.1	#.1	#.#218
49	147.##	1#	12#79.	#.3	#.3	#.#914
5#	146.##	#	7659.	#.2	#.2	#.#579
51	145.##	#	2831.	#.1	#.1	#.#214
52	143.##	6	1243.	#.#	#.#	#.##94
53	142.##	6	4#53.	#.1	#.1	#.#3#7
54	141.##	12	22753.	#.6	#.6	#.1721
55	14#.##	17	9198#.	2.5	2.5	#.6957

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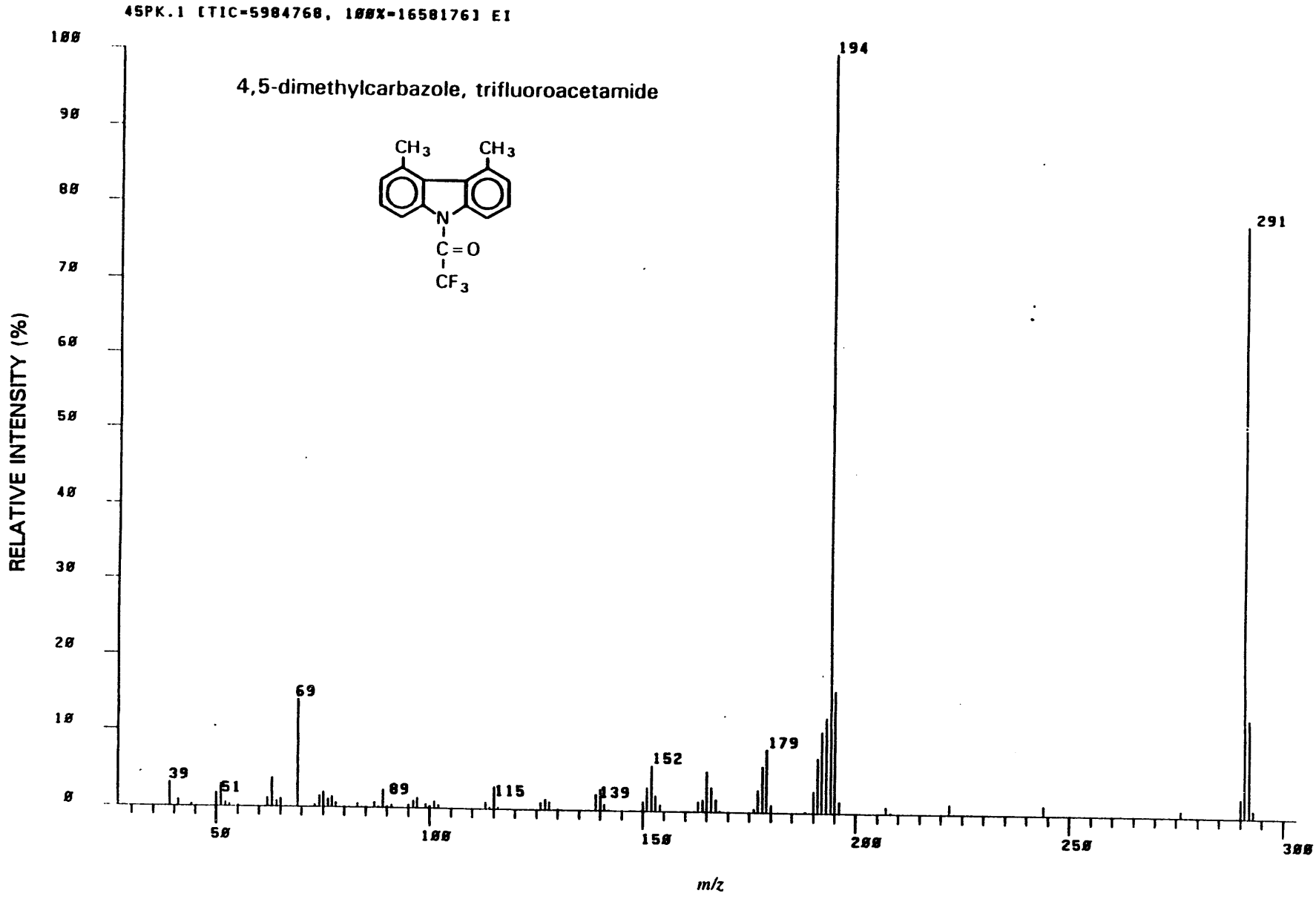
PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	139.##	17	#2912.	2.2	2.2	#.6271
57	138.##	1#	14722.	#.4	#.4	#.1114
58	137.##	1#	11#47.	#.3	#.3	#.##96
59	131.##	6	2###.	#.1	#.1	#.#181
6#	13#.##	#	3794.	#.1	#.1	#.#287
61	129.##	12	9997.	#.3	#.3	#.#766*
62	128.##	1#	35518.	1.#	1.#	#.2687
63	127.##	17	63145.	1.7	1.7	#.4776
64	126.##	14	51591.	1.4	1.4	#.3#82
65	125.##	12	6821.	#.2	#.2	#.#516
66	116.##	#	19689.	#.5	#.5	#.1483
67	115.##	17	94344.	2.5	2.5	#.7136*
68	114.##	14	31136.	#.#	#.#	#.2355
69	113.##	14	449#5.	1.2	1.2	#.3397
7#	112.##	#	2#84.	#.1	#.1	#.#158
71	111.##	#	1716.	#.#	#.#	#.#13#
72	1#4.##	6	2265.	#.1	#.1	#.#171
73	1#3.##	1#	3126.	#.1	#.1	#.#236
74	1#2.##	14	277#6.	#.7	#.7	#.2#96
75	1#1.##	14	22186.	#.6	#.6	#.1678
76	1##.##	12	1#879.	#.3	#.3	#.#762
77	99.##	1#	27749.	#.7	#.7	#.2#99
78	98.##	#	1##62.	#.3	#.3	#.#761
79	97.##	17	46379.	1.3	1.3	#.3588*
8#	96.##	14	4##47.	1.1	1.1	#.3#29*
81	95.##	1#	12961.	#.4	#.4	#.#988
82	92.##	6	1373.	#.#	#.#	#.#184
83	91.##	14	16436.	#.4	#.4	#.1243*
84	9#.##	6	1879.	#.1	#.1	#.#142
85	89.##	17	#2688.	2.2	2.2	#.6254
86	88.##	12	35#65.	#.9	#.9	#.2652*
87	87.##	17	56#62.	1.5	1.5	#.4241
88	86.##	#	16188.	#.4	#.4	#.1224
89	83.##	14	3469#.	#.9	#.9	#.2624
9#	82.##	#	18734.	#.5	#.5	#.1417
91	81.##	1#	12213.	#.3	#.3	#.#924*
92	78.##	1#	2#46#.	#.6	#.6	#.1548*
93	77.##	17	65253.	1.8	1.8	#.4936*
94	76.##	14	35936.	1.#	1.#	#.2718
95	75.##	21	79###.	2.2	2.2	#.6#43*
96	74.##	14	3#976.	#.8	#.8	#.2343
97	73.##	#	156#.	#.#	#.#	#.#118
98	7#.##	12	1589#.	#.4	#.4	#.12#2*
99	69.##	25	436832.	11.#	11.#	3.3#42*
1##	65.##	17	37111.	1.#	1.#	#.2##7
1#1	64.##	12	2#834.	#.#	#.#	#.212#*
1#2	63.##	21	132#16.	3.6	3.6	#.9986
1#3	62.##	14	38789.	1.#	1.#	#.2934*
1#4	57.##	1#	6261.	#.2	#.2	#.#474
1#5	53.##	14	27412.	#.7	#.7	#.2#73*
1#6	52.##	12	2##32.	#.5	#.5	#.1515
1#7	51.##	21	9356#.	2.5	2.5	#.7#78
1#8	5#.##	14	53918.	1.5	1.5	#.4#78
1#9	45.##	1#	2824.	#.1	#.1	#.#214
11#	44.##	12	28844.	#.8	#.8	#.2182

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. MREF	% TOT. ION
111	43.00	6	2422.	0.1	0.1	0.0103
112	42.00	10	3002.	0.1	0.1	0.0227
113	41.00	12	36041.	1.0	1.0	0.2707
114	40.00	8	2600.	0.1	0.1	0.0197
115	39.00	21	100132.	2.7	2.7	0.7574*
116	38.00	10	12631.	0.3	0.3	0.0955*
117	36.00	8	4810.	0.1	0.1	0.0364

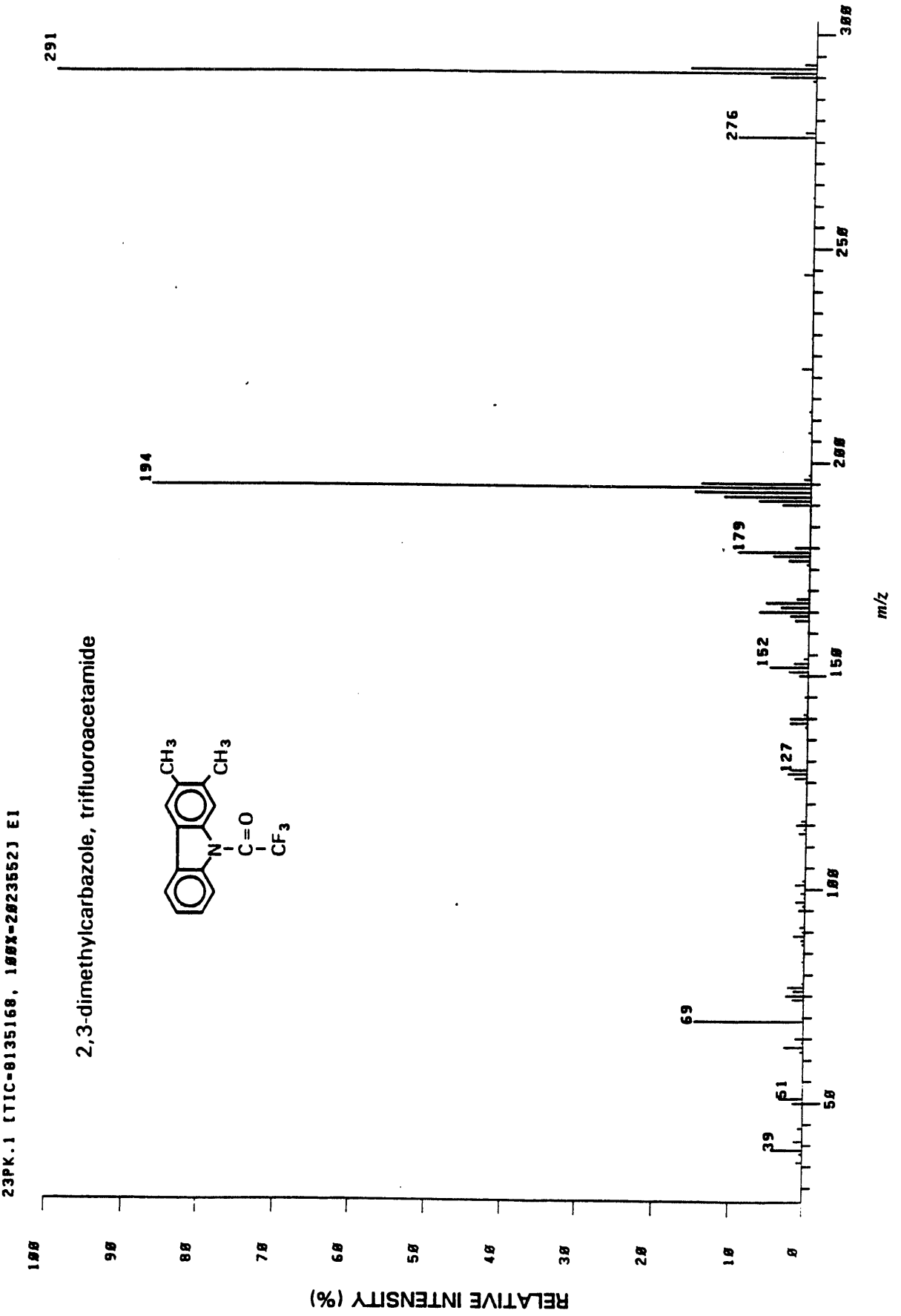

45PK.1 [TIC=5984768, 100%=1658176] EI
4,5-dimethylcarbazole, trifluoroacetamide
CH3
CH3
N
C=O
CF3
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
194
291
69
39
51
89
115
139
152
179
50
100
150
200
250
300
m/z

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	293.00	10	17122.	1.0	1.0	0.2861
2	292.00	21	211884.	12.8	12.8	3.5404*
3	291.00	29	1293824.	78.0	78.0	*21.61
4	290.00	17	42179.	2.5	2.5	0.7048
5	289.00	8	1659.	0.1	0.1	0.0277
6	276.00	8	14385.	0.9	0.9	0.2404
7	262.00	8	2117.	0.1	0.1	0.0354
8	244.00	14	21096.	1.3	1.3	0.3525*
9	223.00	8	2218.	0.1	0.1	0.0371
10	222.00	14	22986.	1.4	1.4	0.3841*
11	213.00	6	1743.	0.1	0.1	0.0291
12	212.00	10	838.	0.1	0.1	0.0140
13	208.00	8	3171.	0.2	0.2	0.0530
14	207.00	10	15136.	0.9	0.9	0.2529
15	206.00	10	2593.	0.2	0.2	0.0433
16	196.00	12	25812.	1.6	1.6	0.4313*
17	195.00	21	264165.	15.9	15.9	4.4139*
18	194.00	29	1658176.	100.0	100.0	*27.70*
19	193.00	21	206184.	12.4	12.4	3.4451*
20	192.00	21	175352.	10.6	10.6	2.9300*
21	191.00	25	119804.	7.2	7.2	2.0018*
22	190.00	14	47669.	2.9	2.9	0.7965*
23	188.00	8	3156.	0.2	0.2	0.0527
24	181.00	6	723.	0.0	0.0	0.0121
25	180.00	12	17611.	1.1	1.1	0.2943
26	179.00	17	136304.	8.2	8.2	2.2775
27	178.00	21	100604.	6.1	6.1	1.6810*
28	177.00	12	48668.	2.9	2.9	0.8132
29	176.00	12	8982.	0.5	0.5	0.1501
30	168.00	8	3184.	0.2	0.2	0.0532
31	167.00	12	28668.	1.7	1.7	0.4790
32	166.00	17	52572.	3.2	3.2	0.8784
33	165.00	17	87756.	5.3	5.3	1.4663
34	164.00	14	27226.	1.6	1.6	0.4549
35	163.00	12	22381.	1.3	1.3	0.3740*
36	162.00	8	2652.	0.2	0.2	0.0443
37	154.00	12	14437.	0.9	0.9	0.2412
38	153.00	14	35607.	2.1	2.1	0.5950
39	152.00	17	98640.	5.9	5.9	1.6482
40	151.00	14	50920.	3.1	3.1	0.8508
41	150.00	10	21003.	1.3	1.3	0.3509
42	147.00	8	1893.	0.1	0.1	0.0316
43	145.00	6	2639.	0.2	0.2	0.0441
44	142.00	8	3707.	0.2	0.2	0.0619
45	141.00	10	14608.	0.9	0.9	0.2454
46	140.00	14	45949.	2.8	2.8	0.7678*
47	139.00	14	35625.	2.1	2.1	0.5953
48	130.00	8	3167.	0.2	0.2	0.0529
49	129.00	8	2357.	0.1	0.1	0.0394
50	128.00	12	18287.	1.1	1.1	0.3056
51	127.00	10	24611.	1.5	1.5	0.4112
52	126.00	14	17454.	1.1	1.1	0.2916
53	125.00	8	828.	0.0	0.0	0.0138
54	124.00	8	1290.	0.1	0.1	0.0216
55	116.00	8	6625.	0.4	0.4	0.1107

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	115.00	17	49743.	3.0	3.0	0.8312
57	114.00	10	6225.	0.4	0.4	0.1040
58	113.00	10	16043.	1.0	1.0	0.2681
59	102.00	12	9284.	0.6	0.6	0.1551
60	101.00	12	15824.	1.0	1.0	0.2644
61	100.00	10	6239.	0.4	0.4	0.1042
62	99.00	10	9787.	0.6	0.6	0.1635
63	97.00	10	22315.	1.3	1.3	0.3729
64	96.00	10	17290.	1.0	1.0	0.2889
65	95.00	8	9555.	0.6	0.6	0.1597
66	91.00	8	8343.	0.5	0.5	0.1394*
67	90.00	8	4497.	0.3	0.3	0.0751
68	89.00	17	38626.	2.3	2.3	0.6454
69	88.00	10	3276.	0.2	0.2	0.0547
70	87.00	12	13123.	0.8	0.8	0.2193
71	86.00	6	386.	0.0	0.0	0.0064
72	85.00	8	1569.	0.1	0.1	0.0262
73	84.00	10	2590.	0.2	0.2	0.0433
74	83.00	12	10736.	0.6	0.6	0.1794
75	81.00	6	1339.	0.1	0.1	0.0224
76	80.00	6	2210.	0.1	0.1	0.0369
77	78.00	8	11665.	0.7	0.7	0.1949
78	77.00	14	24338.	1.5	1.5	0.4067
79	76.00	12	18422.	1.1	1.1	0.3078
80	75.00	17	33660.	2.0	2.0	0.5624
81	74.00	17	25220.	1.5	1.5	0.4215*
82	73.00	8	5999.	0.4	0.4	0.1002
83	71.00	6	917.	0.1	0.1	0.0153
84	69.00	21	232932.	14.0	14.0	3.8921
85	65.00	10	19012.	1.1	1.1	0.3177
86	64.00	10	13809.	0.8	0.8	0.2307*
87	63.00	17	62113.	3.7	3.7	1.0379
88	62.00	14	20350.	1.2	1.2	0.3402*
89	55.00	8	3607.	0.2	0.2	0.0603
90	53.00	12	7677.	0.5	0.5	0.1283
91	52.00	12	11296.	0.7	0.7	0.1887
92	51.00	17	49316.	3.0	3.0	0.8240
93	50.00	12	29442.	1.8	1.8	0.4919
94	44.00	8	6095.	0.4	0.4	0.1018
95	41.00	14	16239.	1.0	1.0	0.2713*
96	39.00	17	51056.	3.1	3.1	0.8531*
97	38.00	6	2296.	0.1	0.1	0.0384

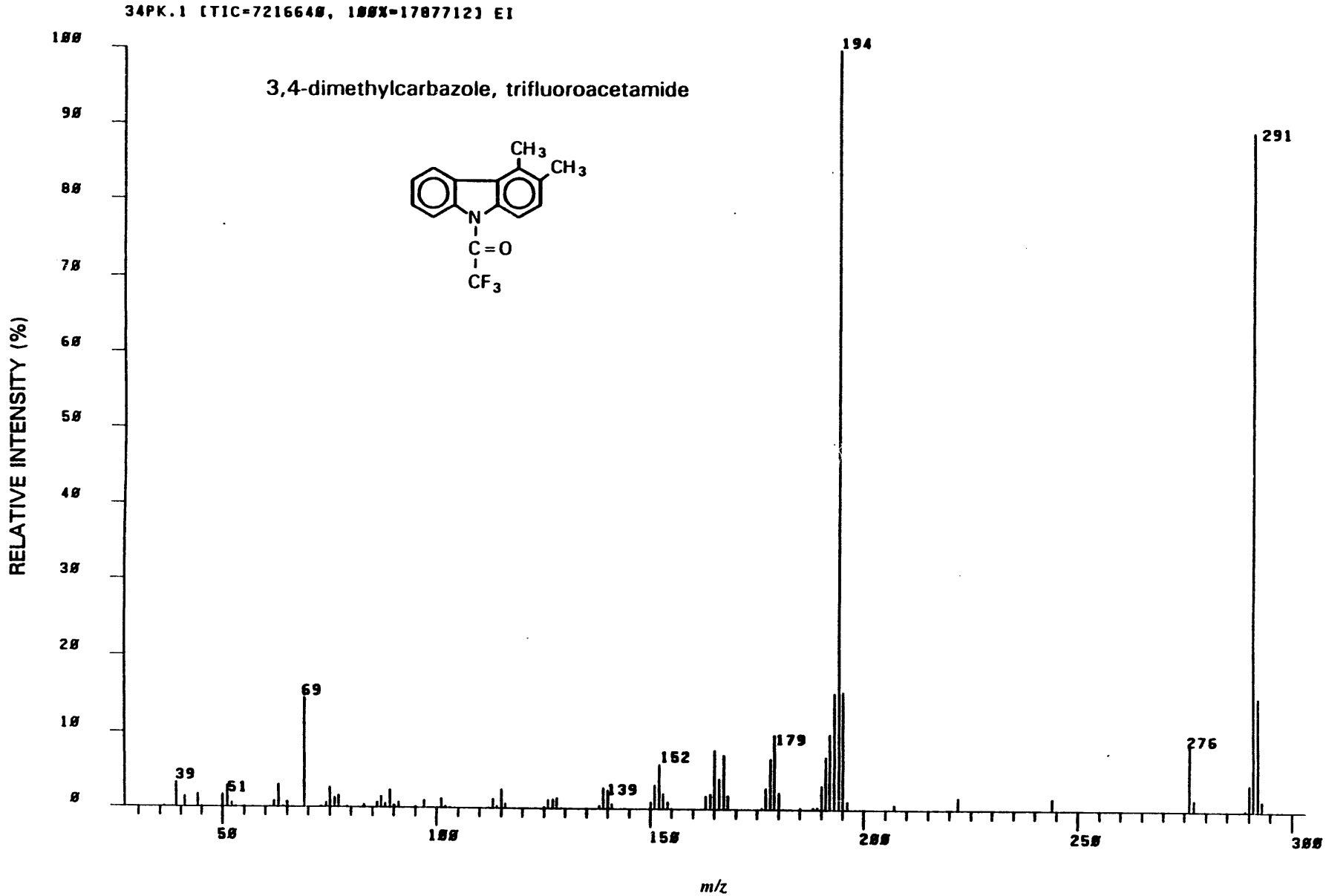

23PK.1 [TIC=8135168, 100%=2023552] EI
2,3-dimethylcarbazole, trifluoroacetamide
CH3
CH3
N
C=O
CF3
RELATIVE INTENSITY (%)
m/z
100
90
80
70
60
50
40
30
20
10
0
39
51
69
127
152
179
194
276
291
50
100
150
200
250
300

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	293.00	10	32193.	1.6	1.6	0.3957
2	292.00	21	337776.	16.7	16.7	4.1520*
3	291.00	35	2023552.	100.0	100.0	*24.87*
4	290.00	21	125896.	6.2	6.2	1.5476*
5	289.00	12	11464.	0.6	0.6	0.1409
6	270.00	8	1855.	0.1	0.1	0.0228
7	277.00	10	28589.	1.4	1.4	0.3514*
8	276.00	17	207024.	10.2	10.2	2.5448
9	262.00	8	4464.	0.2	0.2	0.0549
10	245.00	8	2334.	0.1	0.1	0.0287
11	244.00	10	26566.	1.3	1.3	0.3266
12	242.00	6	903.	0.0	0.0	0.0111
13	229.00	8	2618.	0.1	0.1	0.0322
14	222.00	12	30319.	1.5	1.5	0.3727
15	212.00	8	8233.	0.4	0.4	0.1012
16	211.00	6	2374.	0.1	0.1	0.0292
17	209.00	10	3043.	0.2	0.2	0.0374
18	208.00	6	2043.	0.1	0.1	0.0251
19	207.00	10	9510.	0.5	0.5	0.1169
20	197.00	8	5825.	0.3	0.3	0.0716
21	196.00	12	19364.	1.0	1.0	0.2380
22	195.00	21	294064.	14.5	14.5	3.6147
23	194.00	29	1757952.	86.9	86.9	*21.60*
24	193.00	21	311696.	15.4	15.4	3.8315*
25	192.00	25	234060.	11.6	11.6	2.8771*
26	191.00	21	139660.	6.9	6.9	1.7167*
27	190.00	17	76280.	3.8	3.8	0.9378
28	189.00	8	2520.	0.1	0.1	0.0311
29	180.00	14	41771.	2.1	2.1	0.5135
30	179.00	21	192160.	9.5	9.5	2.3621
31	178.00	17	100916.	5.0	5.0	1.2405
32	177.00	17	57671.	2.8	2.8	0.7089
33	176.00	10	9477.	0.5	0.5	0.1165
34	171.00	6	1264.	0.1	0.1	0.0155
35	170.00	8	3707.	0.2	0.2	0.0456
36	169.00	6	1076.	0.1	0.1	0.0132
37	168.00	12	35448.	1.8	1.8	0.4357
38	167.00	17	116000.	5.7	5.7	1.4259
39	166.00	17	76092.	3.8	3.8	0.9353
40	165.00	17	135540.	6.7	6.7	1.6662*
41	164.00	12	51470.	2.5	2.5	0.6327
42	163.00	14	37958.	1.9	1.9	0.4666*
43	154.00	8	14835.	0.7	0.7	0.1824
44	153.00	14	39036.	1.9	1.9	0.4798
45	152.00	17	105460.	5.2	5.2	1.2963
46	151.00	17	54874.	2.7	2.7	0.6745
47	150.00	10	23600.	1.2	1.2	0.2902
48	146.00	6	2047.	0.1	0.1	0.0252
49	145.00	12	8733.	0.4	0.4	0.1073
50	144.00	6	1661.	0.1	0.1	0.0204
51	142.00	8	3343.	0.2	0.2	0.0411
52	141.00	10	10405.	0.5	0.5	0.1279
53	140.00	12	48461.	2.4	2.4	0.5957
54	139.00	10	47242.	2.3	2.3	0.5807*
55	138.00	17	5216.	0.3	0.3	0.0641*

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	129.00	6	1070.	0.1	0.1	0.0133
57	120.00	12	41290.	2.0	2.0	0.5075
58	127.00	14	53170.	2.6	2.6	0.6537
59	126.00	14	34120.	1.7	1.7	0.4195
60	125.00	8	4031.	0.2	0.2	0.0496
61	116.00	10	15149.	0.7	0.7	0.1862
62	115.00	12	27605.	1.4	1.4	0.3393
63	114.00	10	8153.	0.4	0.4	0.1002*
64	113.00	12	18614.	0.9	0.9	0.2288
65	111.00	8	3632.	0.2	0.2	0.0446
66	102.00	14	9503.	0.5	0.5	0.1168
67	101.00	12	27670.	1.4	1.4	0.3401*
68	99.00	12	12023.	0.6	0.6	0.1478*
69	98.00	8	3703.	0.2	0.2	0.0455
70	97.00	12	26641.	1.3	1.3	0.3275*
71	96.00	14	6114.	0.3	0.3	0.0752*
72	95.00	12	17540.	0.9	0.9	0.2156
73	91.00	12	15235.	0.8	0.8	0.1873*
74	90.00	8	5154.	0.3	0.3	0.0634
75	89.00	14	31710.	1.6	1.6	0.3899
76	88.00	10	11840.	0.6	0.6	0.1456
77	87.00	12	8454.	0.4	0.4	0.1039
78	85.00	8	2692.	0.1	0.1	0.0331
79	84.00	6	2883.	0.1	0.1	0.0354
80	83.00	8	8473.	0.4	0.4	0.1042
81	82.00	6	2557.	0.1	0.1	0.0314
82	81.00	10	2720.	0.1	0.1	0.0334
83	70.00	12	6637.	0.3	0.3	0.0816
84	77.00	14	44767.	2.2	2.2	0.5503
85	76.00	12	29365.	1.5	1.5	0.3610*
86	75.00	14	49480.	2.4	2.4	0.6082
87	74.00	12	31460.	1.6	1.6	0.3867
88	70.00	6	4480.	0.2	0.2	0.0552
89	69.00	21	294000.	14.6	14.6	3.6238*
90	65.00	10	23300.	1.2	1.2	0.2864
91	64.00	14	6719.	0.3	0.3	0.0826*
92	63.00	17	53257.	2.6	2.6	0.6547*
93	62.00	10	8505.	0.4	0.4	0.1045
94	52.00	10	4660.	0.2	0.2	0.0574
95	51.00	21	63809.	3.2	3.2	0.7844*
96	50.00	17	30275.	1.5	1.5	0.3721
97	49.00	10	2464.	0.1	0.1	0.0303
98	44.00	14	14837.	0.7	0.7	0.1824
99	41.00	10	24561.	1.2	1.2	0.3019*
100	40.00	8	2085.	0.1	0.1	0.0256
101	39.00	21	85364.	4.2	4.2	1.0493*
102	38.00	10	9091.	0.4	0.4	0.1117
103	36.00	12	15890.	0.8	0.8	0.1953


34PK.1 [TIC=7216648, 100%=1787712] EI
3,4-dimethylcarbazole, trifluoroacetamide
CH3
CH3
N
C=O
CF3
RELATIVE INTENSITY (%)
100
90
80
70
60
50
40
30
20
10
0
50
100
150
200
250
300
m/z
194
291
69
39
51
139
152
179
276

PAGE 1

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
1	293.00	14	26758.	1.5	1.5	0.3700
2	292.00	21	269504.	15.1	15.1	3.7345
3	291.00	29	1597824.	89.4	89.4	*22.14*
4	290.00	17	64758.	3.6	3.6	0.8973*
5	289.00	10	5935.	0.3	0.3	0.0822
6	283.00	6	849.	0.0	0.0	0.0118
7	277.00	12	28039.	1.6	1.6	0.3885
8	276.00	17	156252.	8.7	8.7	2.1652
9	244.00	14	29417.	1.6	1.6	0.4076
10	230.00	6	1312.	0.1	0.1	0.0182
11	222.00	12	30073.	1.7	1.7	0.4167
12	207.00	8	12197.	0.7	0.7	0.1690
13	196.00	10	19797.	1.1	1.1	0.2743
14	195.00	17	278816.	15.6	15.6	3.8635
15	194.00	29	1787712.	100.0	100.0	*24.77*
16	193.00	21	275616.	15.4	15.4	3.8192
17	192.00	21	181016.	10.1	10.1	2.5083
18	191.00	21	126600.	7.0	7.0	1.7485*
19	190.00	14	58959.	3.3	3.3	0.8170
20	189.00	12	6176.	0.3	0.3	0.0856*
21	188.00	8	5090.	0.3	0.3	0.0705
22	185.00	8	4824.	0.3	0.3	0.0668
23	181.00	8	2301.	0.1	0.1	0.0319
24	180.00	12	40410.	2.3	2.3	0.5600
25	179.00	17	177056.	9.9	9.9	2.4534
26	178.00	21	120980.	6.8	6.8	1.6764
27	177.00	17	51813.	2.9	2.9	0.7180
28	176.00	10	5834.	0.3	0.3	0.0808
29	175.00	6	518.	0.0	0.0	0.0072
30	168.00	12	33281.	1.9	1.9	0.4612
31	167.00	21	128296.	7.2	7.2	1.7778
32	166.00	17	72120.	4.0	4.0	0.9994
33	165.00	17	139052.	7.8	7.8	1.9268
34	164.00	12	36067.	2.0	2.0	0.4998
35	163.00	12	32110.	1.8	1.8	0.4449
36	155.00	10	2944.	0.2	0.2	0.0408
37	154.00	12	17684.	1.0	1.0	0.2450
38	153.00	14	37162.	2.1	2.1	0.5149
39	152.00	17	105780.	5.9	5.9	1.4658*
40	151.00	17	58534.	3.3	3.3	0.8111
41	150.00	10	16211.	0.9	0.9	0.2246
42	144.00	6	1943.	0.1	0.1	0.0269
43	141.00	8	12791.	0.7	0.7	0.1772
44	140.00	12	45927.	2.6	2.6	0.6364
45	139.00	17	49457.	2.8	2.8	0.6853*
46	138.00	8	8932.	0.5	0.5	0.1238
47	129.00	8	2699.	0.2	0.2	0.0374
48	128.00	12	26389.	1.5	1.5	0.3657*
49	127.00	14	23157.	1.3	1.3	0.3209*
50	126.00	12	21919.	1.2	1.2	0.3037
51	125.00	10	5660.	0.3	0.3	0.0784
52	123.00	6	2812.	0.2	0.2	0.0390
53	116.00	8	13405.	0.8	0.8	0.1869
54	115.00	17	45331.	2.5	2.5	0.6281*
55	114.00	8	8352.	0.5	0.5	0.1157

PAGE 2

PEAK NO.	MEASURED MASS	NO. POINTS	ABSOLUTE INTENSITY	% INT. BASE	% INT. NREF	% TOT. ION
56	113.00	10	22874.	1.3	1.3	0.3170
57	112.00	8	1486.	0.1	0.1	0.0206
58	103.00	6	1975.	0.1	0.1	0.0274
59	102.00	8	5516.	0.3	0.3	0.0764
60	101.00	12	23022.	1.3	1.3	0.3190
61	99.00	6	1761.	0.1	0.1	0.0244
62	98.00	8	1901.	0.1	0.1	0.0263
63	97.00	8	18612.	1.0	1.0	0.2579
64	95.00	8	4136.	0.2	0.2	0.0573
65	91.00	12	13645.	0.8	0.8	0.1891
66	90.00	10	6452.	0.4	0.4	0.0894
67	89.00	14	42024.	2.4	2.4	0.5823
68	88.00	8	11294.	0.6	0.6	0.1565
69	87.00	14	27282.	1.5	1.5	0.3780
70	86.00	10	14018.	0.8	0.8	0.1942*
71	83.00	8	7636.	0.4	0.4	0.1058
72	79.00	6	3390.	0.2	0.2	0.0470
73	77.00	17	29001.	1.6	1.6	0.4019*
74	76.00	12	24221.	1.4	1.4	0.3356
75	75.00	14	48567.	2.7	2.7	0.6730
76	74.00	8	12532.	0.7	0.7	0.1737
77	73.00	12	3095.	0.2	0.2	0.0429
78	69.00	21	257848.	14.4	14.4	3.5730
79	65.00	12	14442.	0.8	0.8	0.2001
80	64.00	10	3679.	0.2	0.2	0.0510
81	63.00	14	54640.	3.1	3.1	0.7571
82	62.00	10	15574.	0.9	0.9	0.2158
83	61.00	8	2150.	0.1	0.1	0.0298
84	57.00	12	3732.	0.2	0.2	0.0517
85	55.00	6	2264.	0.1	0.1	0.0314
86	53.00	8	3371.	0.2	0.2	0.0467
87	52.00	10	12982.	0.7	0.7	0.1799
88	51.00	17	51930.	2.9	2.9	0.7196*
89	50.00	12	30267.	1.7	1.7	0.4194*
90	45.00	8	3522.	0.2	0.2	0.0488
91	44.00	14	32076.	1.8	1.8	0.4445*
92	41.00	12	25570.	1.4	1.4	0.3543*
93	39.00	14	58658.	3.3	3.3	0.8128
94	38.00	8	2856.	0.2	0.2	0.0396
95	36.00	10	3169.	0.2	0.2	0.0439

Appendix B

Preparation of Fuel Samples

SRC II 200-325° C Distillate Bases Subfraction 5.

The history of the raw and hydroprocessed SRC II coal liquid is described elsewhere (1). Briefly, acid-base-neutral separations on 200-325° C distillates from feed and products were performed according to Green, *et al.* (2,3). The whole base fraction accounted for 7.9 percent of feed and 14.1 percent of the lightly hydrotreated 200-325° C distillate.

Bases were subfractionated into 7 fractions as described in Chapter 4 of reference (4). Typical compounds present in the basic subfractions, and yields obtained for subfractions from product HT-8 are listed in Table 1.

Table 1. - Yields of Subfractions from SRC II HT-8 Bases (1)

Subfraction#	Compound Classes Present	Weight Percent (2)
1	polyaromatic hydrocarbons/ diphenylamines/indolines	0.77
2	diphenylamines	1.3
3	hindered tetrahydroquinolines	5.0
4	tetrahydroquinolines/ hindered anilines	10.4
5	anilines/tetrahydroquinolines	18.3
6	pyridines	32.2
7	decahydroquinolines	32.0
Total (3)		100.0

(1) 980 SCF/bbl H2 consumption, 325° C catalyst, 1.0 LHSV
(2) Percent of Whole Base Fraction
(3) Normalized

LCO #2245 acids subfraction 3.

The light cycle oil #2245 was separated into acidic, basic, and neutral fractions and the acid fraction subfractionated into compound classes as described in Chapter 2 of reference (4). Typical compounds found in the subfractions and their percent of the whole LCO acid fraction are shown in Table 2.

Table 2. - Yields of Subfractions from Light Cycle Oil #2245 Acids (1)

Subfraction#	Probable Compound Types	Percent (2)
1	very weak acids	2.8
2	hindered indoles/carbazoles	1.4
3	indoles/carbazoles	73.1
4	hindered hydroxyaromatics	2.3
5	hydroxyaromatics	13.8
6	carboxylic acids	3.8
7	difunctional acids	0.6
Total		97.8

(1) Stored two years before fractionation
(2) Percent of whole acid fraction

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