User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/17/2002 Time: 12:13:24

Sample: AE10305
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/17/02 12:12 Ended: 5/17/02 12:12 Analyst: DLV
Page: 1

| | Component Name | Vial | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | Other unknown compounds | | . | | |
| 2 | Surr_2,4-DDD | | 88 | | 10.0 |

**Comments for Sample AE10305 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-17-2002 Time: 12:13:56

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 4 of the 43 compounds in the LCS Standard were low.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\050802\10305R.D Vial: 26
Acq On : 9 May 2002 12:56 pm Operator: Mclean
Sample : re-inj Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 09 13:50:36 2002 Quant Results File: 050102.RES

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Tue May 07 09:57:23 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 9.94 | 152 | 5321450 | 40.00 | ug/L | 0.00 |
| 10) Napthalene-d8 | 13.43 | 136 | 21424808 | 40.00 | ug/L | 0.00 |
| 17) Acenapthalene-d10 | 18.57 | 164 | 11658394 | 40.00 | ug/L | 0.00 |
| 29) Phenanthranene-d10 | 22.95 | 188 | 16898941 | 40.00 | ug/L | 0.00 |
| 37) Chrysene-d12 | 30.81 | 240 | 12371202 | 40.00 | ug/L | 0.00 |
| 43) Perylene-d12 | 34.71 | 264 | 8141094 | 40.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 27) TCMX | 20.54 | 209 | 767417 | 8.81 | ug/L | 0.00 |
| Spiked Amount 10.000 | | | Recovery = 88.10% | | | |
| 50) 2,4-ddd | 0.00 | 235 | 0 | 0.00 | ug/L | |
| Spiked Amount 5.000 | | | Recovery = 0.00% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) n-nitros-dimethyl amine | 0.00 | 74 | 0 | N.D. | d | |
| 3) bis(2-Chloroethyl)ether | 0.00 | 93 | 0 | N.D. | | |
| 4) 1,3-Dichlorobenzene | 0.00 | 146 | 0 | N.D. | | |
| 5) 1,4-Dichlorobenzene | 0.00 | 146 | 0 | N.D. | | |
| 6) 1,2-Dichlorobenzene | 0.00 | 146 | 0 | N.D. | | |
| 7) 2,2'oxybis(1-Chloropropane | 0.00 | 45 | 0 | N.D. | | |
| 8) N-nitroso-di-propylamine | 0.00 | 70 | 0 | N.D. | | |
| 9) Hexachloroethane | 0.00 | 117 | 0 | N.D. | | |
| 11) Nitrobenzene | 0.00 | 77 | 0 | N.D. | | |
| 12) Isophorone | 0.00 | 82 | 0 | N.D. | | |
| 13) bis(2-Chloroethoxy) methan | 0.00 | 93 | 0 | N.D. | | |
| 14) 1,2,4-Trichlorobenzene | 0.00 | 180 | 0 | N.D. | | |
| 15) Napthalene | 0.00 | 128 | 0 | N.D. | | |
| 16) Hexachlorobutadiene | 0.00 | 225 | 0 | N.D. | | |
| 18) 2-Chloronaphthalene | 0.00 | 162 | 0 | N.D. | | |
| 19) Dimethylphthalate | 0.00 | 163 | 0 | N.D. | | |
| 20) 2,6-Dinitrotoluene | 0.00 | 165 | 0 | N.D. | | |
| 21) Acenapthylene | 0.00 | 152 | 0 | N.D. | | |
| 22) Acenapthalene | 0.00 | 153 | 0 | N.D. | | |
| 23) 2,4-Dinitrotoluene | 0.00 | 165 | 0 | N.D. | | |
| 24) Diethylphthalate | 0.00 | 149 | 0 | N.D. | | |
| 25) 4-Chlorophenyl-phenylether | 0.00 | 204 | 0 | N.D. | | |
| 26) Fluorene | 0.00 | 166 | 0 | N.D. | | |
| 28) Azobenzene | 0.00 | 77 | 0 | N.D. | | |
| 30) Nnitrosodiphenylamine | 0.00 | 169 | 0 | N.D. | | |
| 31) 4-Bromophenyl-phenylether | 0.00 | 248 | 0 | N.D. | | |
| 32) Hexachlorobenzene | 0.00 | 284 | 0 | N.D. | | |
| 33) Phenanthrene | 0.00 | 178 | 0 | N.D. | | |

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\050802\10305R.D Vial: 26
Acq On : 9 May 2002 12:56 pm Operator: Mclean
Sample : re-inj Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 09 13:50:36 2002 Quant Results File: 050102.RES

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Tue May 07 09:57:23 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

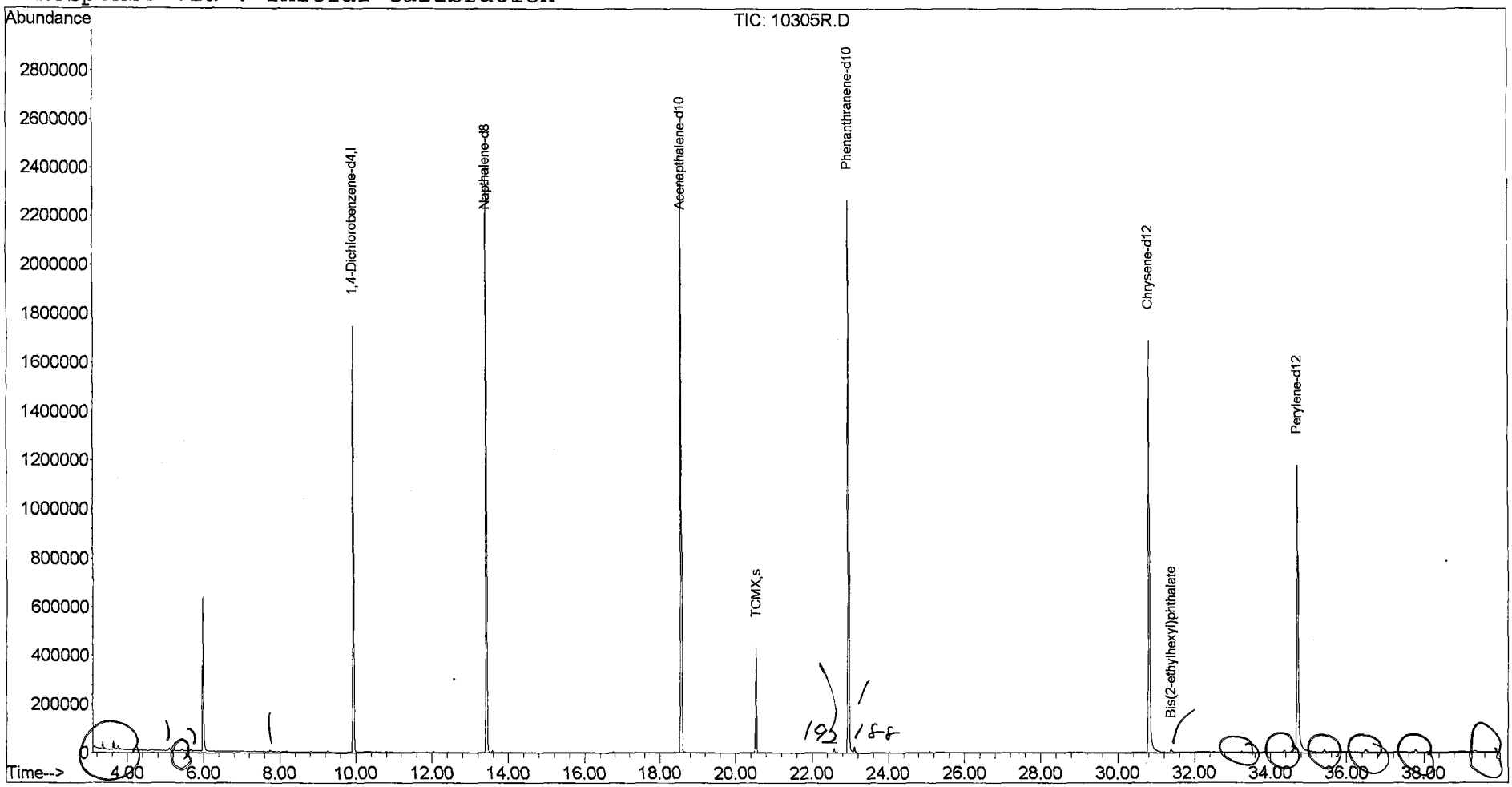
| Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|
| 34) Anthracene | 0.00 | 178 | 0 | N.D. | |
| 35) Di-n-butylphthalate | 25.09 | 149 | 50677 | N.D. | |
| 36) Fluoroanthene | 0.00 | 202 | 0 | N.D. | |
| 38) Pyrene | 0.00 | 202 | 0 | N.D. | |
| 39) Butylbenzylphthalate | 0.00 | 149 | 0 | N.D. | |
| 40) Benzo(a)anthracene | 30.81 | 228 | 37031 | N.D. | |
| 41) Bis(2-ethylhexyl)phthalate | 31.38 | 149 | 81052 | 0.26 ug/L | 94 |
| 42) Chrysene | 0.00 | 228 | 0 | N.D. | |
| 44) Di-n-octylphthalate | 0.00 | 149 | 0 | N.D. | |
| 45) Benzo(b)fluoranthene | 0.00 | 252 | 0 | N.D. | |
| 46) Benzo(k)fluoranthene | 0.00 | 252 | 0 | N.D. | |
| 47) Benzo(a)pyrene | 0.00 | 252 | 0 | N.D. | |
| 48) Indeno(1,2,3-cd)pyrene | 0.00 | 276 | 0 | N.D. | |
| 49) Dibenz(a,h)anthracene | 0.00 | 278 | 0 | N.D. | |
| 51) Benzo(g,h,i)perylene | 0.00 | 276 | 0 | N.D. | |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\050802\10305R.D Vial: 26
Acq On : 9 May 2002 12:56 pm Operator: Mclean
Sample : re-inj Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 9 13:50 2002 Quant Results File: 050102.RES

Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Tue May 07 09:57:23 2002
Response via : Initial Calibration



# LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\050802\10305R.D
Acq On : 9 May 2002 12:56 pm
Sample : re-inj
Misc :
MS Integration Params: LSCINT.e

Vial: 26
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan

Signal : TIC

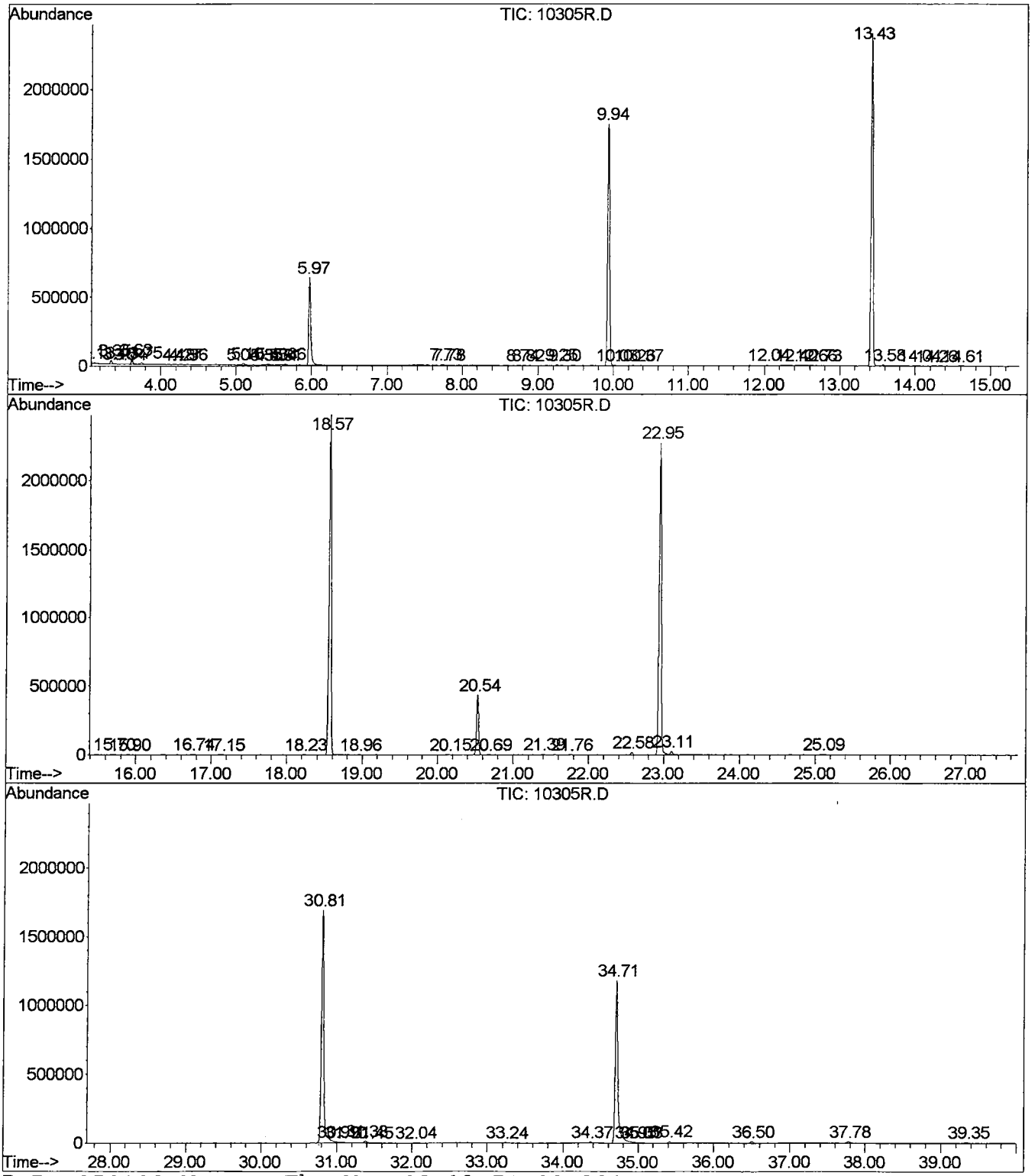
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.126 | 4 | 8 | 23 | BV 2 | 4501 | 85538 | 0.18% | 0.032% |
| 2 | 3.344 | 39 | 45 | 51 | PV | 27091 | 420029 | 0.88% | 0.157% |
| 3 | 3.396 | 51 | 54 | 65 | VV 10 | 4430 | 105819 | 0.22% | 0.040% |
| 4 | 3.543 | 77 | 79 | 87 | PV 6 | 2807 | 59793 | 0.12% | 0.022% |
| 5 | 3.626 | 87 | 93 | 105 | VV | 35225 | 652137 | 1.36% | 0.244% |
| 6 | 3.749 | 105 | 114 | 121 | VV | 13318 | 346166 | 0.72% | 0.130% |
| 7 | 4.184 | 182 | 188 | 196 | VV 7 | 3232 | 90476 | 0.19% | 0.034% |
| 8 | 4.266 | 196 | 202 | 208 | VV 5 | 2986 | 70195 | 0.15% | 0.026% |
| 9 | 4.354 | 212 | 217 | 221 | VV 6 | 3110 | 54311 | 0.11% | 0.020% |
| 10 | 5.042 | 329 | 334 | 337 | PV 4 | 3263 | 55339 | 0.12% | 0.021% |
| 11 | 5.100 | 337 | 344 | 361 | VV 2 | 11574 | 277700 | 0.58% | 0.104% |
| 12 | 5.353 | 384 | 387 | 393 | VV 5 | 2158 | 48808 | 0.10% | 0.018% |
| 13 | 5.424 | 393 | 399 | 408 | VV | 7724 | 199255 | 0.42% | 0.075% |
| 14 | 5.541 | 414 | 419 | 421 | VV 4 | 1787 | 26089 | 0.05% | 0.010% |
| 15 | 5.606 | 425 | 430 | 435 | VV 6 | 2836 | 70027 | 0.15% | 0.026% |
| 16 | 5.659 | 435 | 439 | 451 | VV 7 | 7168 | 155373 | 0.32% | 0.058% |
| 17 | 5.976 | 486 | 493 | 529 | VV | 620321 | 11636467 | 24.28% | 4.357% |
| 18 | 7.733 | 787 | 792 | 798 | PV 2 | 7547 | 158019 | 0.33% | 0.059% |
| 19 | 7.780 | 798 | 800 | 812 | VV 6 | 3109 | 61929 | 0.13% | 0.023% |
| 20 | 8.743 | 956 | 964 | 970 | PV 7 | 2711 | 53876 | 0.11% | 0.020% |
| 21 | 8.825 | 973 | 978 | 990 | VV 9 | 2032 | 53624 | 0.11% | 0.020% |
| 22 | 9.254 | 1045 | 1051 | 1056 | VV 2 | 5912 | 93547 | 0.20% | 0.035% |
| 23 | 9.301 | 1056 | 1059 | 1067 | VV 6 | 2624 | 55669 | 0.12% | 0.021% |
| 24 | 9.936 | 1158 | 1167 | 1181 | VV | 1754986 | 32457908 | 67.71% | 12.152% |
| 25 | 10.024 | 1181 | 1182 | 1189 | VV 5 | 2237 | 40212 | 0.08% | 0.015% |
| 26 | 10.265 | 1217 | 1223 | 1235 | PV 5 | 2521 | 71814 | 0.15% | 0.027% |
| 27 | 10.371 | 1235 | 1241 | 1244 | PV 3 | 1629 | 19033 | 0.04% | 0.007% |
| 28 | 12.034 | 1518 | 1524 | 1535 | PV | 4917 | 89637 | 0.19% | 0.034% |
| 29 | 12.404 | 1581 | 1587 | 1592 | PV 2 | 1726 | 30519 | 0.06% | 0.011% |
| 30 | 12.662 | 1628 | 1631 | 1638 | PV 6 | 2133 | 30569 | 0.06% | 0.011% |
| 31 | 12.727 | 1638 | 1642 | 1646 | VV | 1946 | 32439 | 0.07% | 0.012% |
| 32 | 13.432 | 1739 | 1762 | 1781 | PV | 2381661 | 43966867 | 91.72% | 16.461% |
| 33 | 13.579 | 1781 | 1787 | 1793 | VV | 7908 | 148420 | 0.31% | 0.056% |
| 34 | 14.043 | 1862 | 1866 | 1874 | VV 4 | 2650 | 47526 | 0.10% | 0.018% |
| 35 | 14.260 | 1898 | 1903 | 1910 | VV 4 | 1840 | 33764 | 0.07% | 0.013% |
| 36 | 14.613 | 1957 | 1963 | 1971 | VV 2 | 1779 | 40250 | 0.08% | 0.015% |
| 37 | 15.700 | 2143 | 2148 | 2159 | VV 4 | 2400 | 64095 | 0.13% | 0.024% |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 38 | 15.900 | 2174 | 2182 | 2188 | PV | 3 | 2232 | 53284 | 0.11% | 0.020% |
| 39 | 16.746 | 2309 | 2326 | 2331 | PV | 2 | 4207 | 84908 | 0.18% | 0.032% |
| 40 | 17.145 | 2391 | 2394 | 2400 | VV | 6 | 1627 | 23779 | 0.05% | 0.009% |
| 41 | 18.232 | 2574 | 2579 | 2584 | VV | | 2235 | 37158 | 0.08% | 0.014% |
| 42 | 18.567 | 2617 | 2636 | 2651 | VV | | 2458284 | 47934528 | 100.00% | 17.947% |
| 43 | 18.955 | 2698 | 2702 | 2711 | VV | 5 | 1911 | 40645 | 0.08% | 0.015% |
| 44 | 20.148 | 2895 | 2905 | 2908 | VV | 5 | 1879 | 48558 | 0.10% | 0.018% |
| 45 | 20.536 | 2954 | 2971 | 2992 | VV | | 423932 | 7617850 | 15.89% | 2.852% |
| 46 | 20.688 | 2992 | 2997 | 3003 | VV | 4 | 2422 | 48093 | 0.10% | 0.018% |
| 47 | 21.393 | 3103 | 3117 | 3126 | VV | 3 | 2733 | 68784 | 0.14% | 0.026% |
| 48 | 21.758 | 3172 | 3179 | 3189 | PV | 5 | 2245 | 54999 | 0.11% | 0.021% |
| 49 | 22.580 | 3311 | 3319 | 3326 | VV | 2 | 18733 | 357652 | 0.75% | 0.134% |
| 50 | 22.950 | 3372 | 3382 | 3402 | PV | 2 | 2228815 | 46511284 | 97.03% | 17.414% |
| 51 | 23.109 | 3402 | 3409 | 3426 | VV | 2 | 23855 | 589078 | 1.23% | 0.221% |
| 52 | 25.095 | 3737 | 3747 | 3762 | PV | 2 | 4629 | 107924 | 0.23% | 0.040% |
| 53 | 30.806 | 4707 | 4719 | 4750 | PV | 2 | 1682214 | 38755741 | 80.85% | 14.510% |
| 54 | 30.994 | 4750 | 4751 | 4767 | VV | 6 | 7834 | 291947 | 0.61% | 0.109% |
| 55 | 31.100 | 4767 | 4769 | 4781 | VV | 6 | 2758 | 63147 | 0.13% | 0.024% |
| 56 | 31.382 | 4810 | 4817 | 4827 | PV | 2 | 13789 | 341811 | 0.71% | 0.128% |
| 57 | 31.452 | 4827 | 4829 | 4833 | VV | 4 | 1160 | 14207 | 0.03% | 0.005% |
| 58 | 32.034 | 4918 | 4928 | 4935 | BV | 4 | 1760 | 28950 | 0.06% | 0.011% |
| 59 | 33.244 | 5127 | 5134 | 5146 | PV | 4 | 5145 | 112935 | 0.24% | 0.042% |
| 60 | 34.367 | 5316 | 5325 | 5333 | PV | 3 | 7871 | 184396 | 0.38% | 0.069% |
| 61 | 34.707 | 5370 | 5383 | 5422 | VV | 2 | 1173461 | 30218159 | 63.04% | 11.314% |
| 62 | 34.948 | 5422 | 5424 | 5433 | VV | 7 | 8298 | 263731 | 0.55% | 0.099% |
| 63 | 35.007 | 5433 | 5434 | 5436 | VV | 2 | 5553 | 54421 | 0.11% | 0.020% |
| 64 | 35.025 | 5436 | 5437 | 5441 | VV | 3 | 5285 | 76203 | 0.16% | 0.029% |
| 65 | 35.418 | 5497 | 5504 | 5513 | VV | 5 | 12514 | 333764 | 0.70% | 0.125% |
| 66 | 36.499 | 5680 | 5688 | 5700 | VV | 6 | 11634 | 364141 | 0.76% | 0.136% |
| 67 | 37.774 | 5899 | 5905 | 5915 | VV | 6 | 9379 | 292416 | 0.61% | 0.109% |
| 68 | 39.349 | 6158 | 6173 | 6182 | PV | 9 | 5254 | 213019 | 0.44% | 0.080% |

Sum of corrected areas: 267090752

# LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\050802\10305R.D
Operator : Mclean
Acquired : 9 May 2002 12:56 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: re-inj
Misc Info :
Vial Number: 26
Quant File :050102.RES (Chemstation Integrator)



# Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050802\10305R.D  Vial: 26
Acq On : 9 May 2002 12:56 pm  Operator: Mclean
Sample : re-inj  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

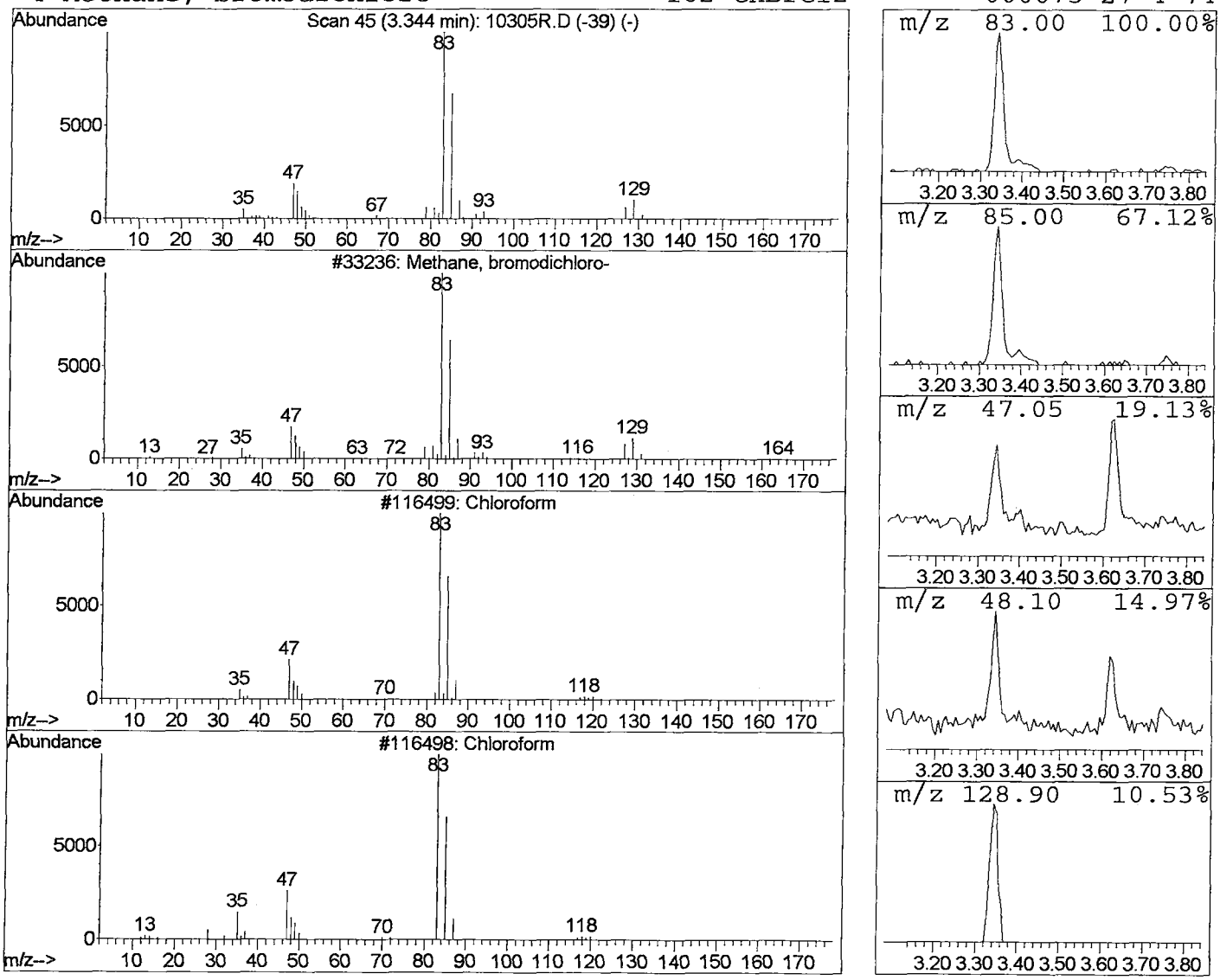
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

**********

Peak Number 1 Methane, bromodichloro- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.35 | 0.52 ug/L | 420029 | 1,4-Dichlorobenzene-d4 | 9.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methane, bromodichloro- | 162 | CHBrCl2 | 000075-27-4 | 83 |
| 2 | Chloroform | 118 | CHCl3 | 000067-66-3 | 78 |
| 3 | Chloroform | 118 | CHCl3 | 000067-66-3 | 78 |
| 4 | Methane, bromodichloro- | 162 | CHBrCl2 | 000075-27-4 | 74 |



# Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050802\10305R.D  Vial: 26
Acq On : 9 May 2002 12:56 pm  Operator: Mclean
Sample : re-inj  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

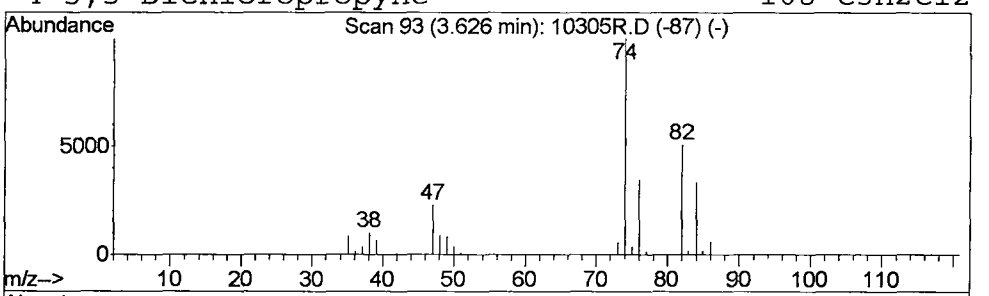
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

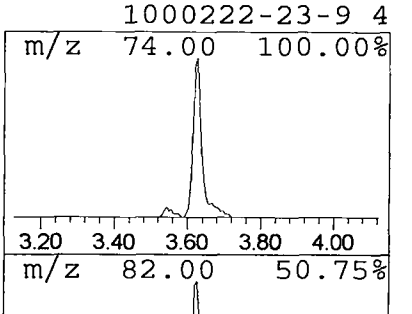
**********

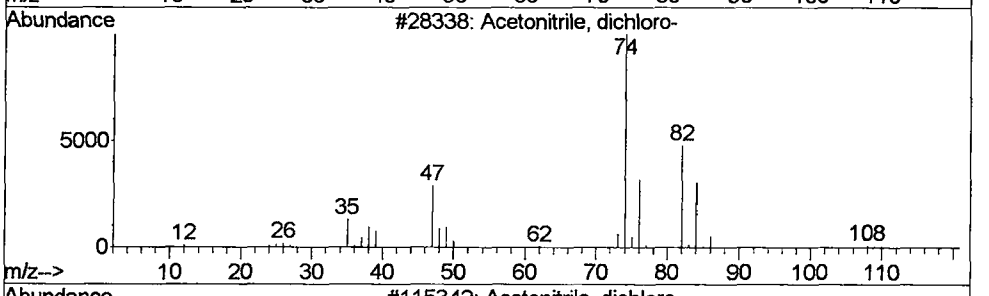
Peak Number 2 Acetonitrile, dichloro- Concentration Rank 2

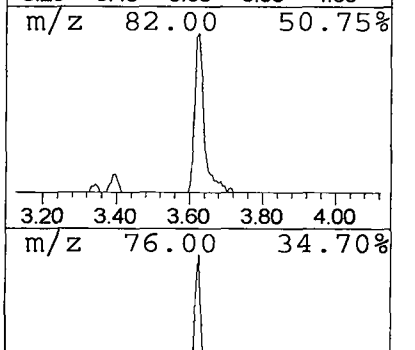
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.63 | 0.80 ug/L | 652137 | 1,4-Dichlorobenzene-d4 | 9.94 |

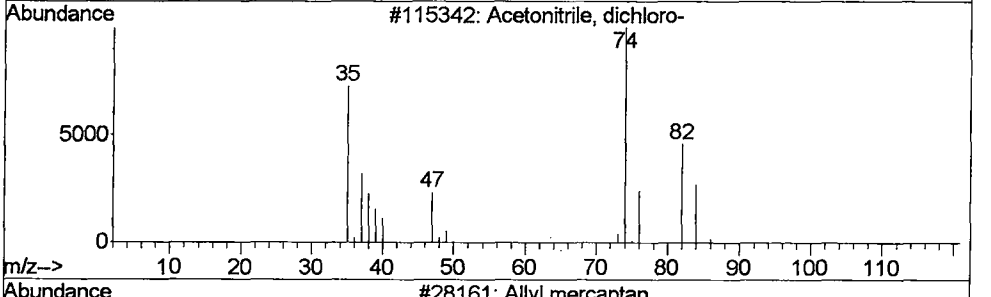
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Acetonitrile, dichloro- | 109 | C2HCl2N | 003018-12-0 | 90 |
| 2 | Acetonitrile, dichloro- | 109 | C2HCl2N | 003018-12-0 | 64 |
| 3 | Allyl mercaptan | 74 | C3H6S | 000870-23-5 | 5 |
| 4 | 3,3-Dichloropropyne | 108 | C3H2Cl2 | 1000222-23-9 | 4 |

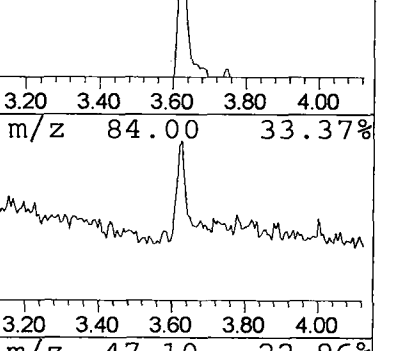


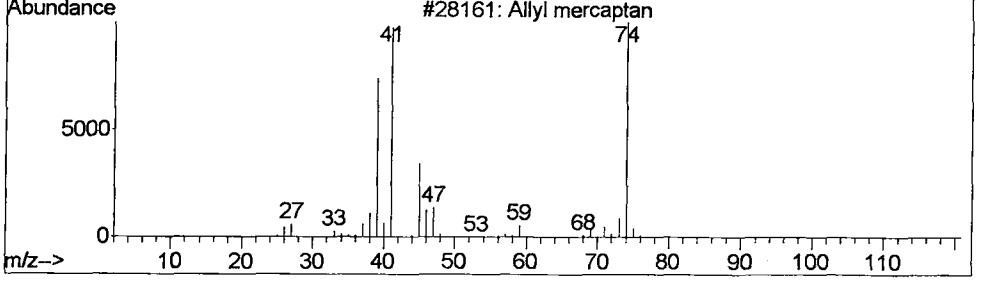



# Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050802\10305R.D  Vial: 26
Acq On : 9 May 2002 12:56 pm  Operator: Mclean
Sample : re-inj  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

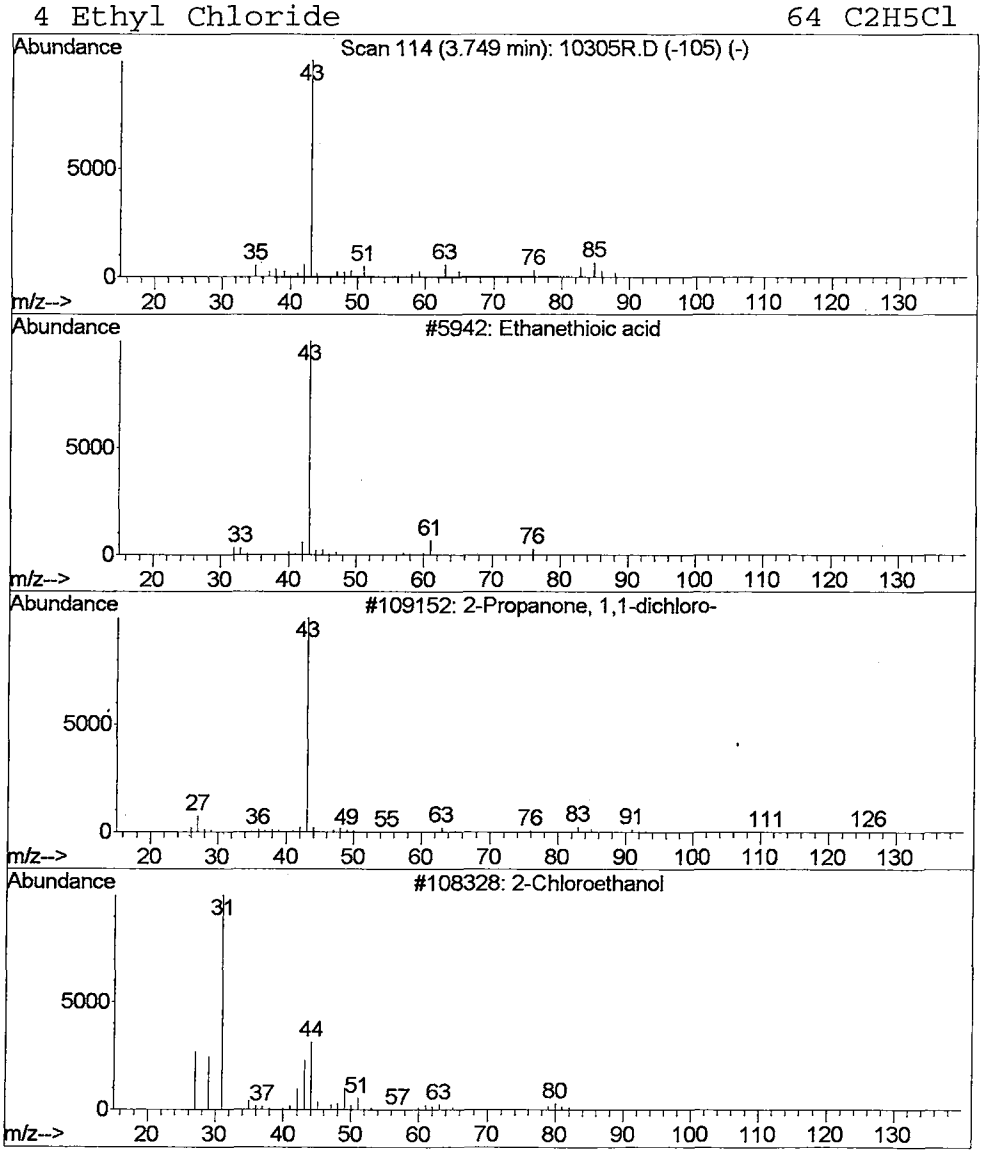
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

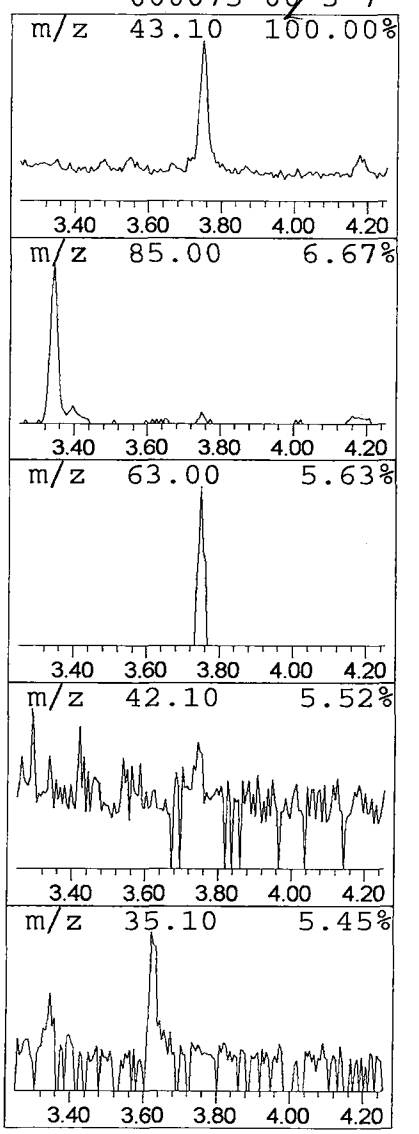
**********

Peak Number 3 Ethanethioic acid  Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.75 | 0.43 ug/L | 346166 | 1,4-Dichlorobenzene-d4 | 9.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanethioic acid | 76 | C2H4OS | 000507-09-5 | 9 |
| 2 | 2-Propanone, 1,1-dichloro- | 126 | C3H4Cl2O | 000513-88-2 | 9 |
| 3 | 2-Chloroethanol | 80 | C2H5ClO | 000107-07-3 | 9 |
| 4 | Ethyl Chloride | 64 | C2H5Cl | 000075-00-3 | 7 |



# Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050802\10305R.D  Vial: 26
Acq On : 9 May 2002 12:56 pm  Operator: Mclean
Sample : re-inj  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

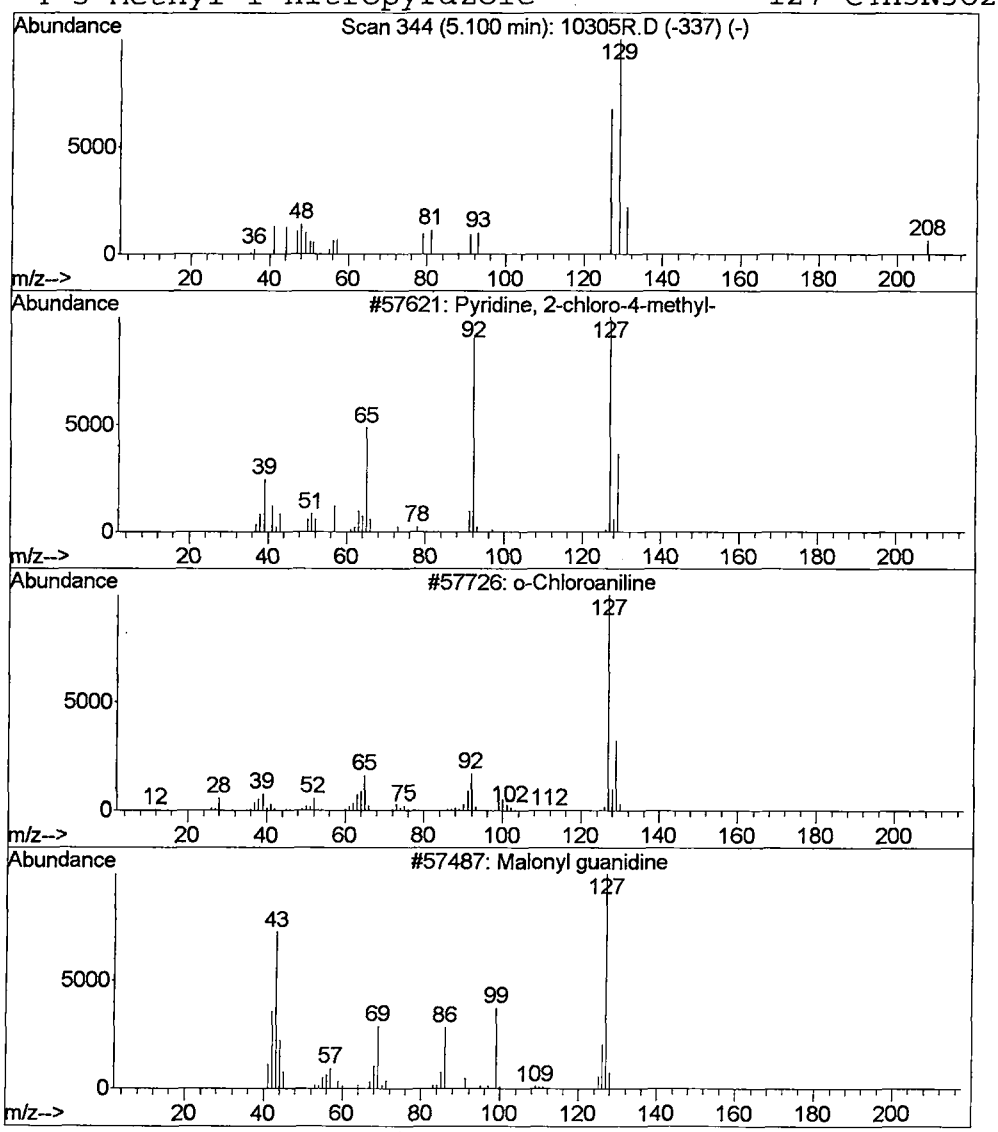
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

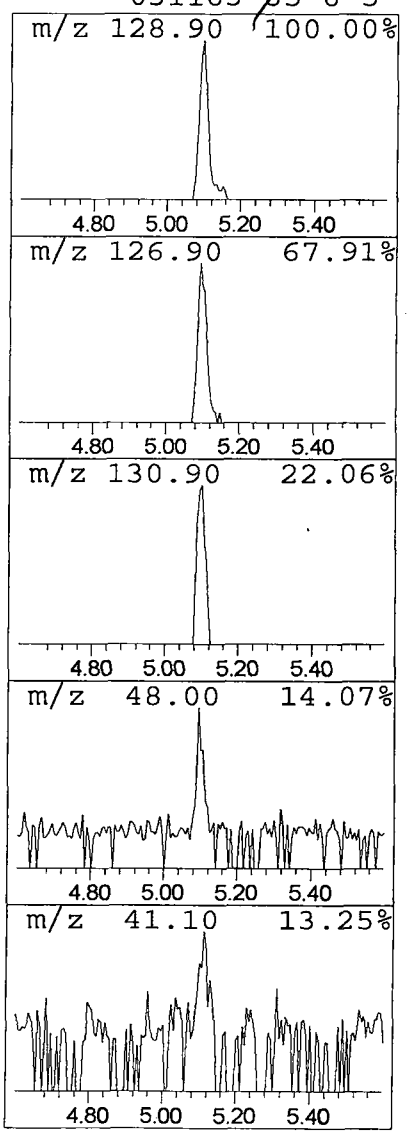
**********

Peak Number 4 Pyridine, 2-chloro-4-methyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.10 | 0.34 ug/L | 277700 | 1,4-Dichlorobenzene-d4 | 9.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyridine, 2-chloro-4-methyl- | 127 | C6H6ClN | 003678-62-4 | 7 |
| 2 | o-Chloroaniline | 127 | C6H6ClN | 000095-51-2 | 7 |
| 3 | Malonyl guanidine | 127 | C4H5N3O2 | 1000127-00-8 | 7 |
| 4 | 5-Methyl-1-nitropyrazole | 127 | C4H5N3O2 | 031163-85-6 | 5 |



# Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050802\10305R.D  Vial: 26
Acq On : 9 May 2002 12:56 pm  Operator: Mclean
Sample : re-inj  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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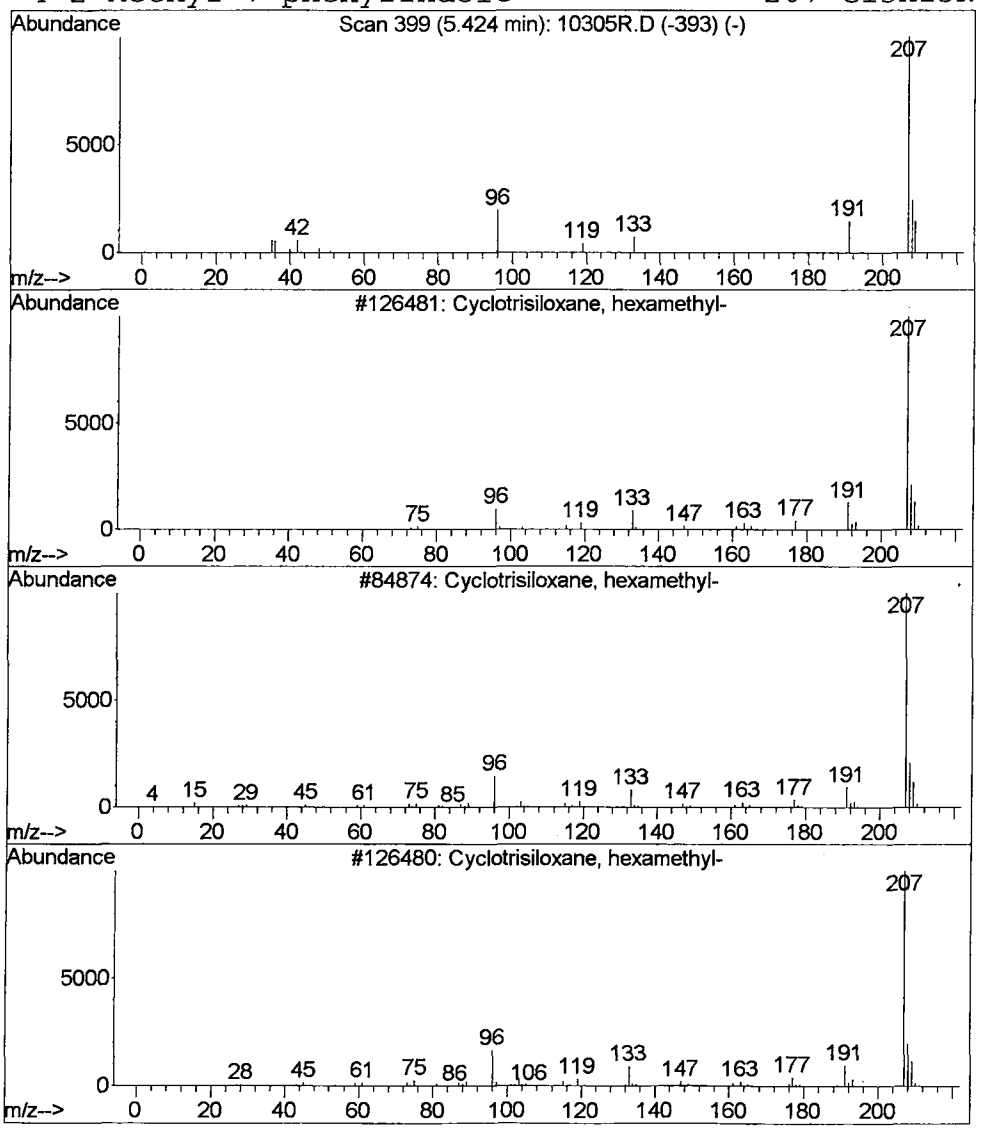
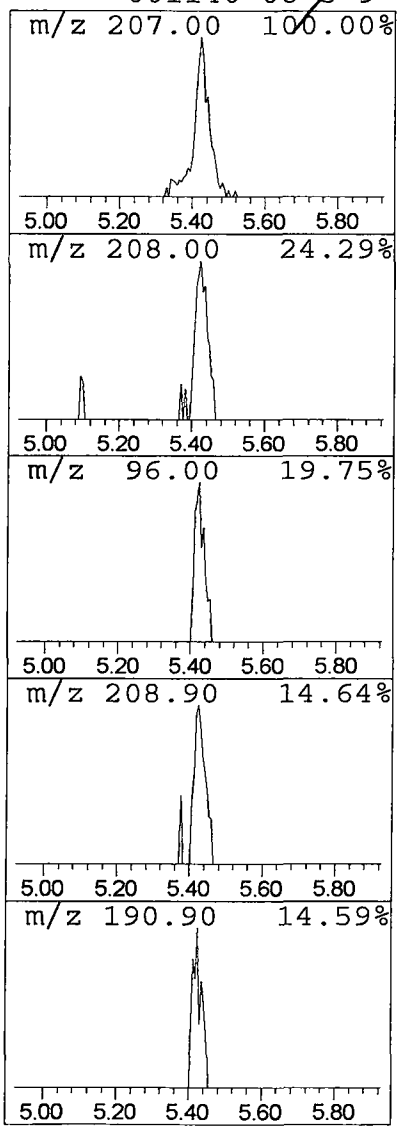
Peak Number 5 Cyclotrisiloxane, hexamethyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.43 | 0.25 ug/L | 199255 | 1,4-Dichlorobenzene-d4 | 9.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclotrisiloxane, hexamethyl- | 222 | C6H18O3Si3 | 000541-05-9 | 78 |
| 2 | Cyclotrisiloxane, hexamethyl- | 222 | C6H18O3Si3 | 000541-05-9 | 74 |
| 3 | Cyclotrisiloxane, hexamethyl- | 222 | C6H18O3Si3 | 000541-05-9 | 64 |
| 4 | 2-Methyl-7-phenylindole | 207 | C15H13N | 001140-08-5 | 9 |



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Sample : re-inj  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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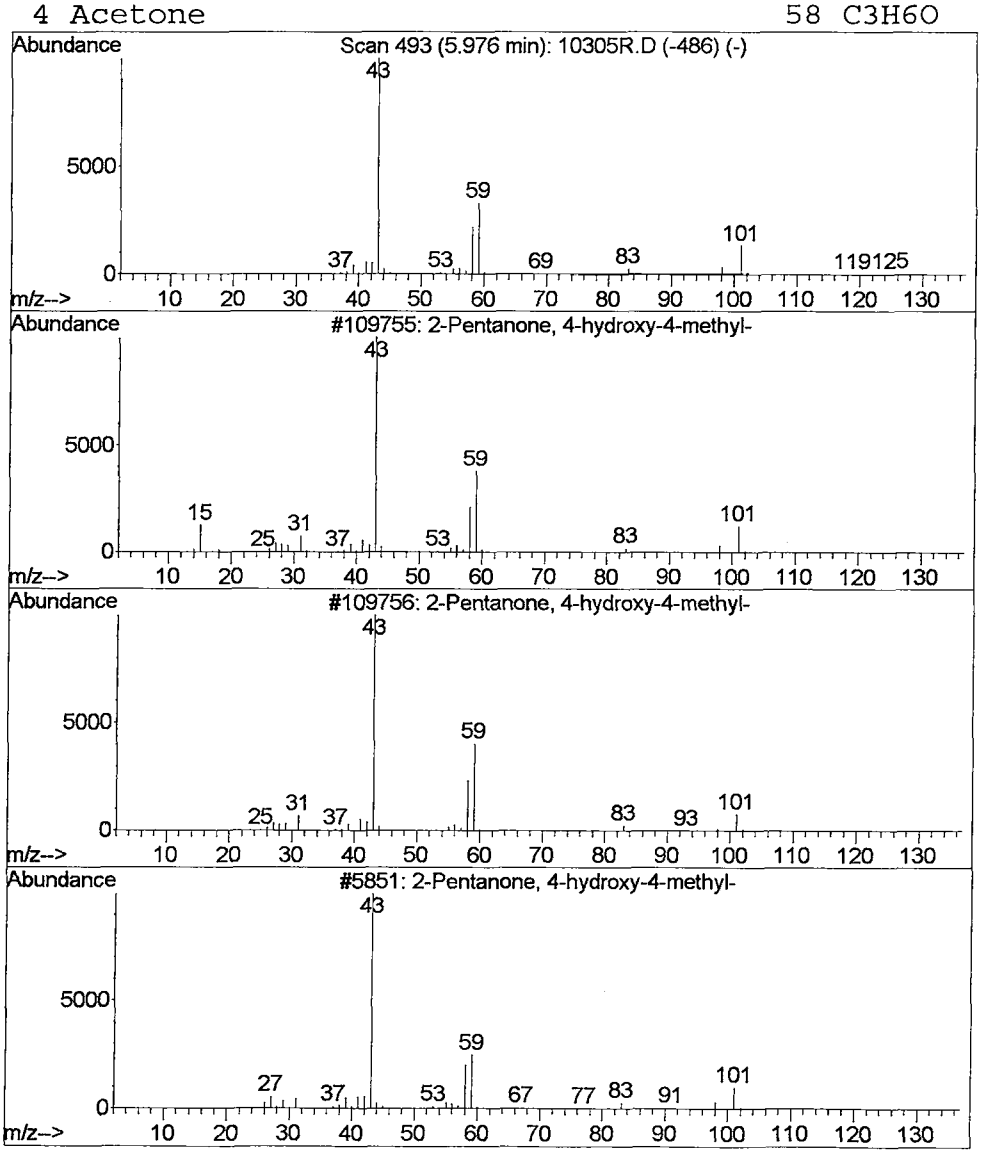
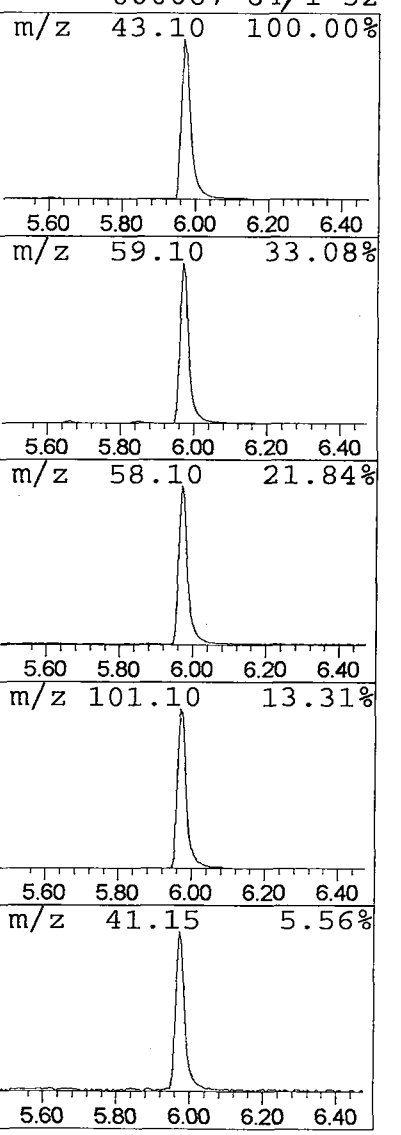
Peak Number 6 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.97 | 14.34 ug/L | 11636500 | 1,4-Dichlorobenzene-d4 | 9.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 72 |
| 2 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 72 |
| 3 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 64 |
| 4 | Acetone | 58 | C3H6O | 000067-64-1 | 32 |



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Acq On : 9 May 2002 12:56 pm  Operator: Mclean
Sample : re-inj  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

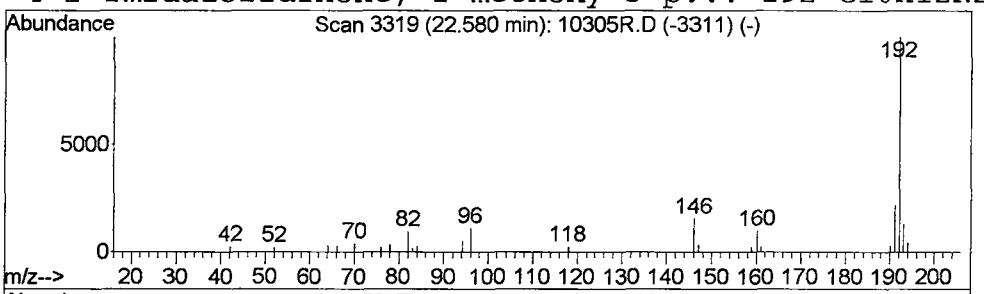
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

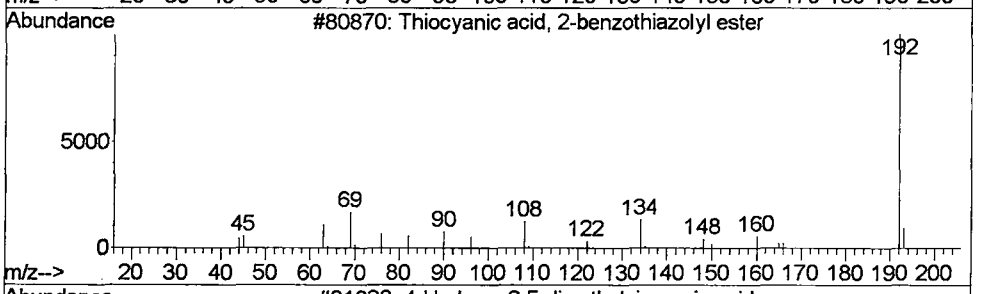
**********

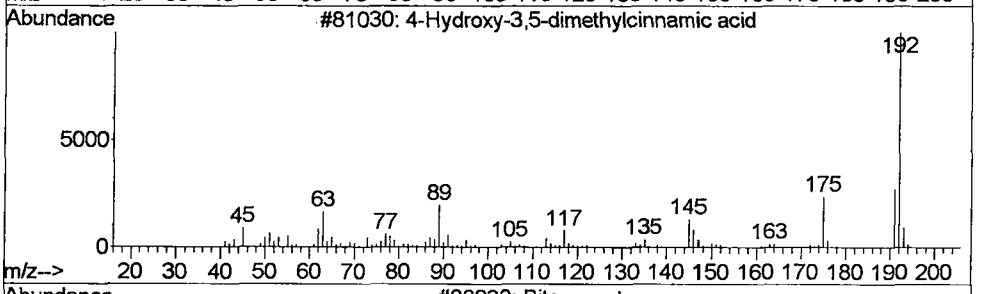
Peak Number 7 Thiocyanic acid, 2-benzothi... Concentration Rank 11

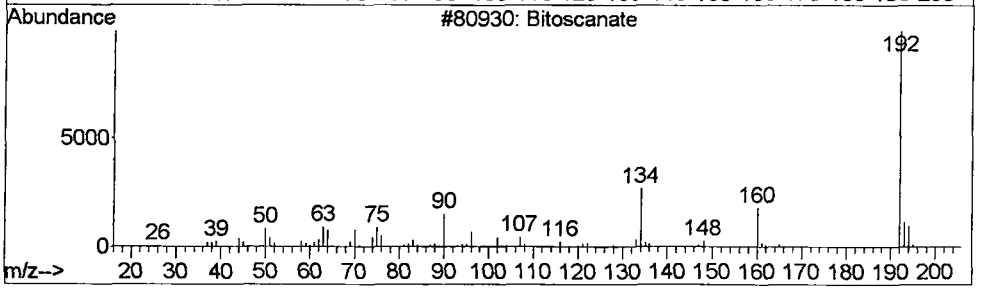
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.58 | 0.31 ug/L | 357652 | Phenanthranene-d10 | 22.95 |

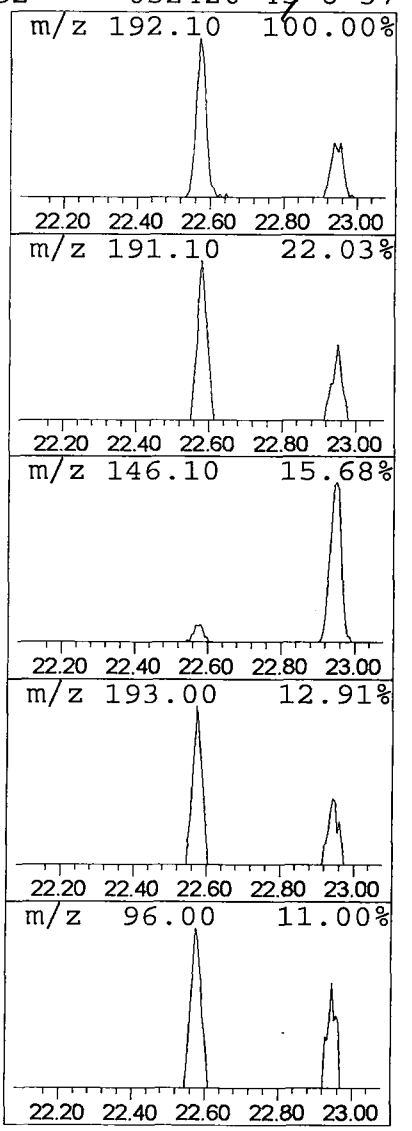
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Thiocyanic acid, 2-benzothiazoly... | 192 | C8H4N2S2 | 006011-99-0 | 53 |
| 2 | 4-Hydroxy-3,5-dimethylcinnamic acid | 192 | C11H12O3 | 1000132-15-8 | 42 |
| 3 | Bitoscanate | 192 | C8H4N2S2 | 004044-65-9 | 38 |
| 4 | 2-Imidazolidinone, 1-methoxy-3-p... | 192 | C10H12N2O2 | 052420-43-6 | 37 |



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Acq On : 9 May 2002 12:56 pm  Operator: Mclean
Sample : re-inj  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

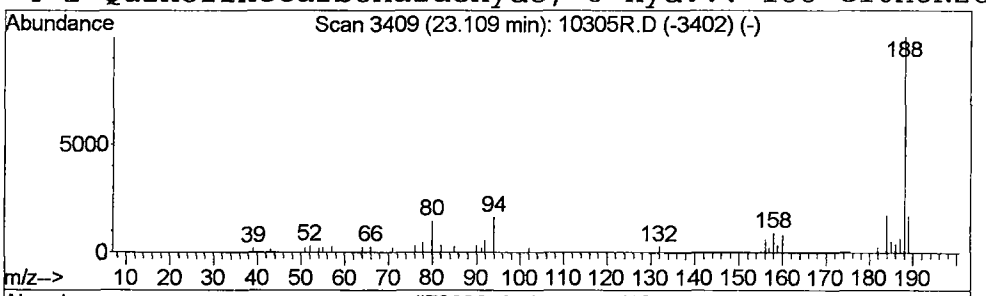
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

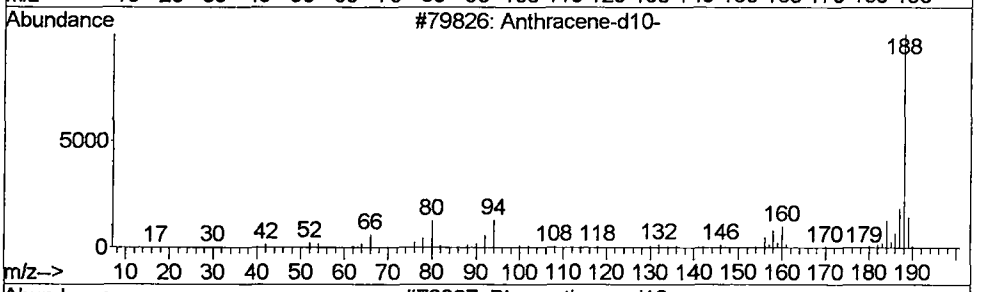
**********

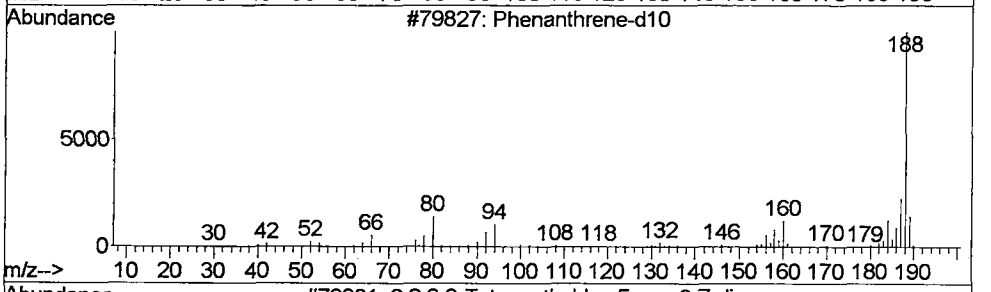
Peak Number 8 Anthracene-d10- Concentration Rank 4

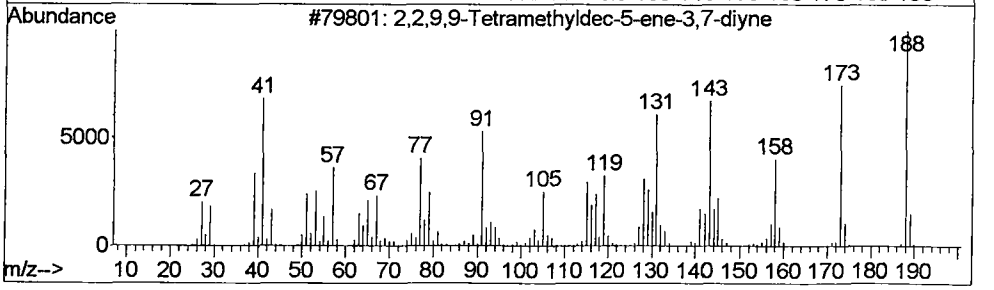
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.11 | 0.51 ug/L | 589078 | Phenanthranene-d10 | 22.95 |

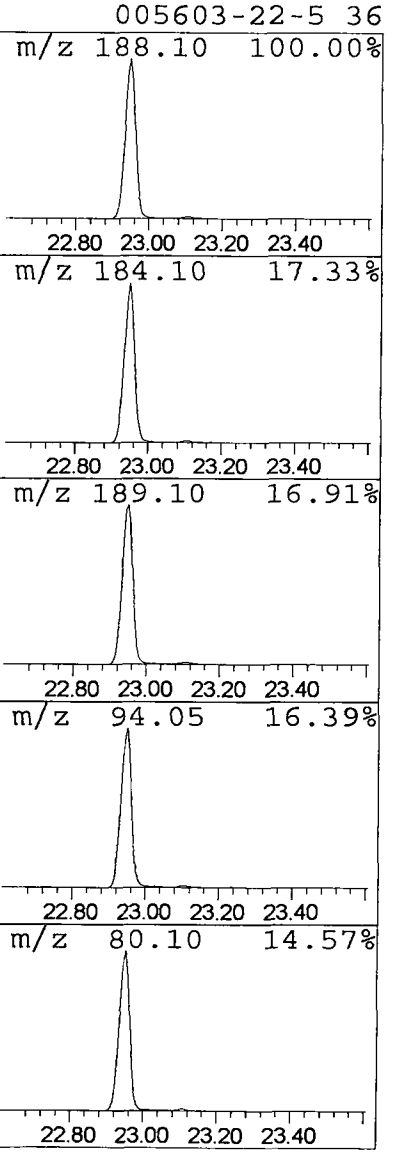
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene-d10- | 188 | C14D10 | 001719-06-8 | 90 |
| 2 | Phenanthrene-d10 | 188 | C14D10 | 001517-22-2 | 87 |
| 3 | 2,2,9,9-Tetramethyldec-5-ene-3,7... | 188 | C14H20 | 102745-35-7 | 52 |
| 4 | 2-Quinolinecarboxaldehyde, 8-hyd... | 188 | C10H8N2O2 | 005603-22-5 | 36 |



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Acq On : 9 May 2002 12:56 pm  Operator: Mclean
Sample : re-inj  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

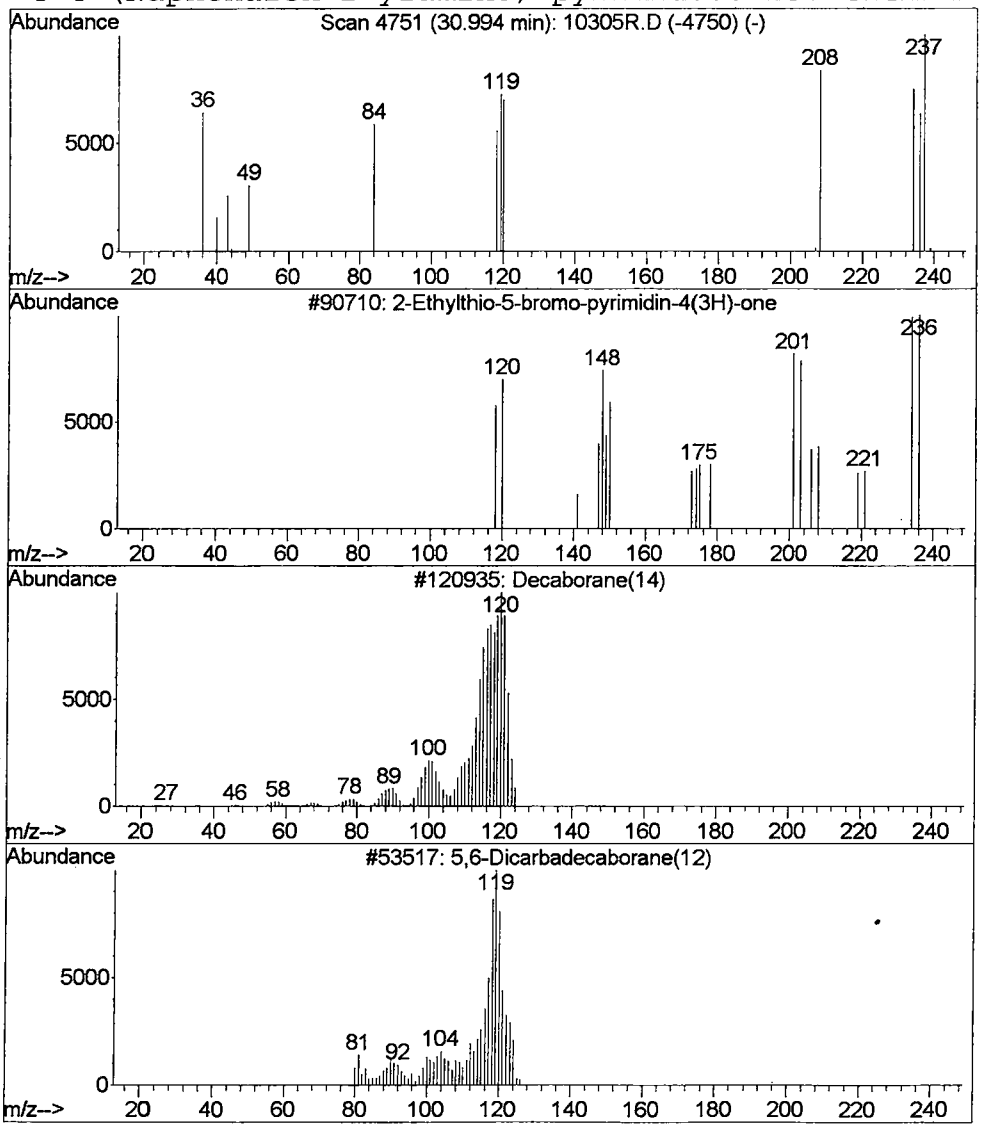
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

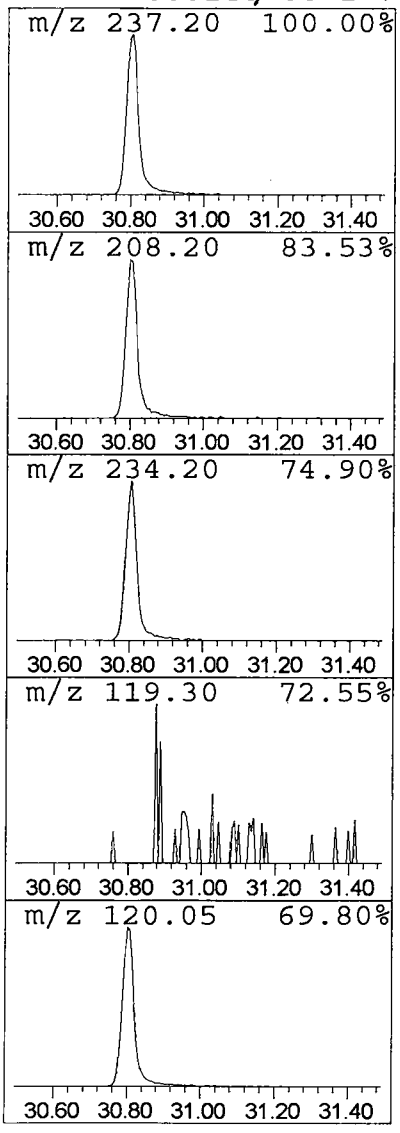
**********

Peak Number 9 2-Ethylthio-5-bromo-pyrimid... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 30.99 | 0.30 ug/L | 291947 | Chrysene-d12 | 30.81 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Ethylthio-5-bromo-pyrimidin-4(... | 234 | C6H7BrN2OS | 1000148-05-0 | 38 |
| 2 | Decaborane(14) | 124 | B10H14 | 017702-41-9 | 9 |
| 3 | 5,6-Dicarbadecaborane(12) | 124 | C2H12B8 | 041655-26-9 | 9 |
| 4 | 4-(Naphthalen-2-ylamino)-pyrimid... | 237 | C14H11N3O | 1000148-06-1 | 7 |



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Acq On : 9 May 2002 12:56 pm  Operator: Mclean
Sample : re-inj  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

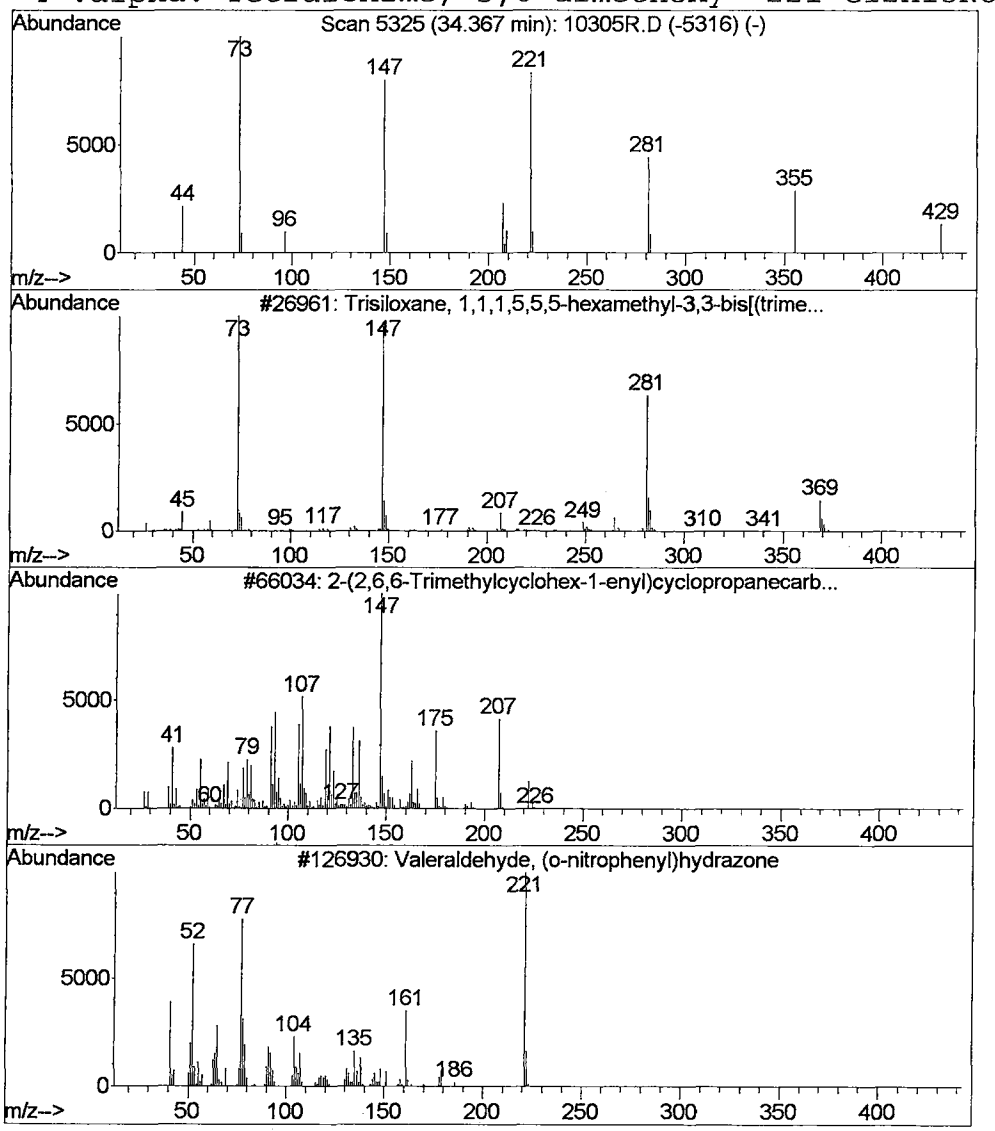
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

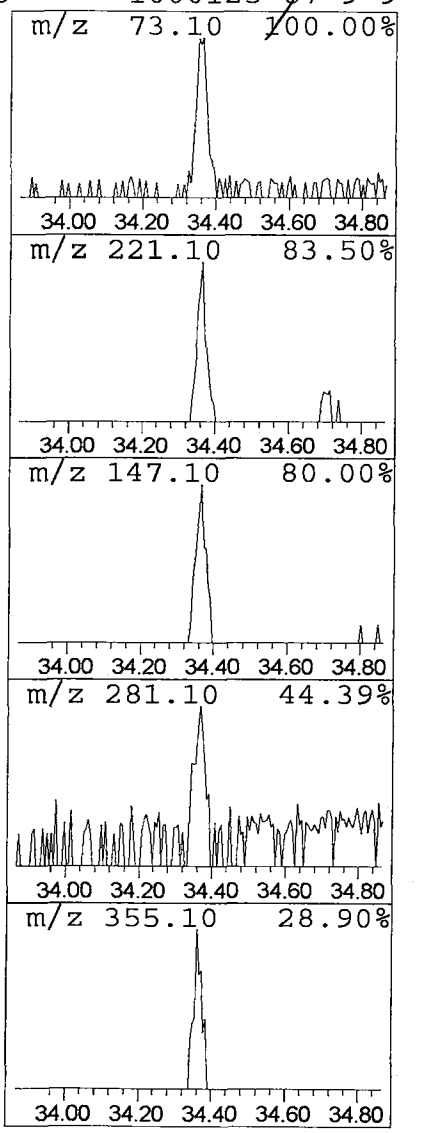
**********

Peak Number 10 Trisiloxane, 1,1,1,5,5,5-he... Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 34.37 | 0.24 ug/L | 184396 | Perylene-d12 | 34.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Trisiloxane, 1,1,1,5,5,5-hexamet... | 384 | C12H36O4Si5 | 003555-47-3 | 32 |
| 2 | 2-(2,6,6-Trimethylcyclohex-1-eny... | 222 | C14H22O2 | 1000185-64-1 | 22 |
| 3 | Valeraldehyde, (o-nitrophenyl)hy... | 221 | C11H15N3O2 | 005977-70-8 | 9 |
| 4 | .alpha.-Tetraloxime, 5,6-dimethoxy- | 221 | C12H15NO3 | 1000125-87-9 | 9 |



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Acq On : 9 May 2002 12:56 pm  Operator: Mclean
Sample : re-inj  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

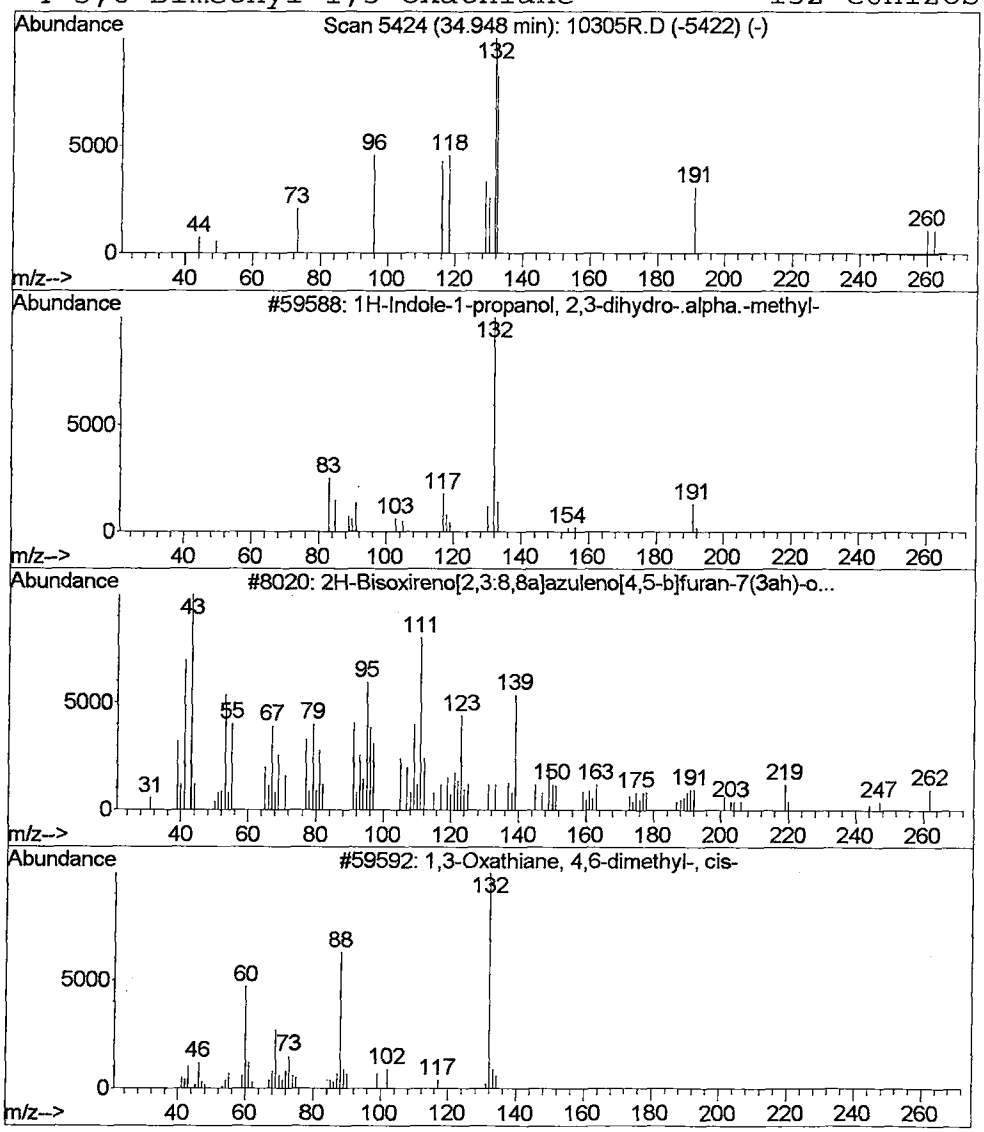
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

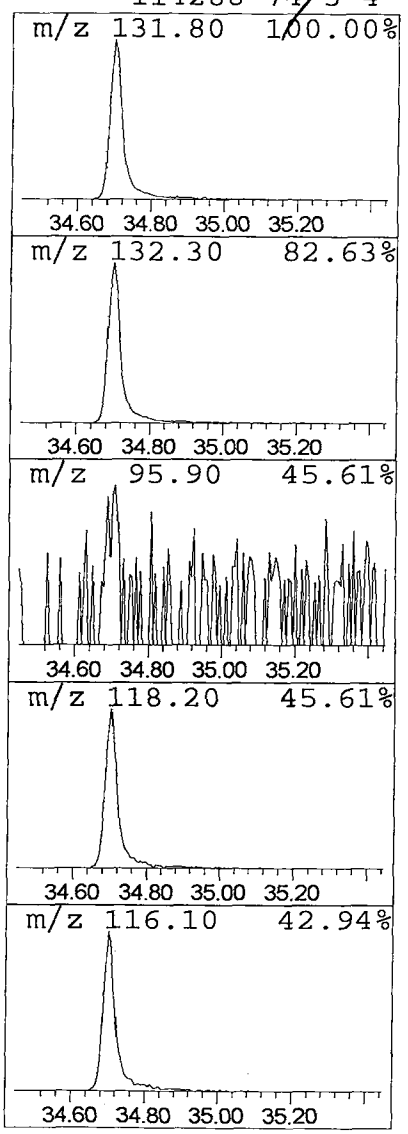
**********

Peak Number 11 1H-Indole-1-propanol, 2,3-d... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 34.95 | 0.35 ug/L | 263731 | Perylene-d12 | 34.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indole-1-propanol, 2,3-dihydr... | 191 | C12H17NO | 056771-63-2 | 9 |
| 2 | 2H-Bisoxireno[2,3:8,8a]azuleno[4... | 262 | C15H18O4 | 036416-50-9 | 4 |
| 3 | 1,3-Oxathiane, 4,6-dimethyl-, cis- | 132 | C6H12OS | 022452-25-1 | 4 |
| 4 | 5,6-Dimethyl-1,3-oxathiane | 132 | C6H12OS | 114288-74-3 | 4 |



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Acq On : 9 May 2002 12:56 pm  Operator: Mclean
Sample : re-inj  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

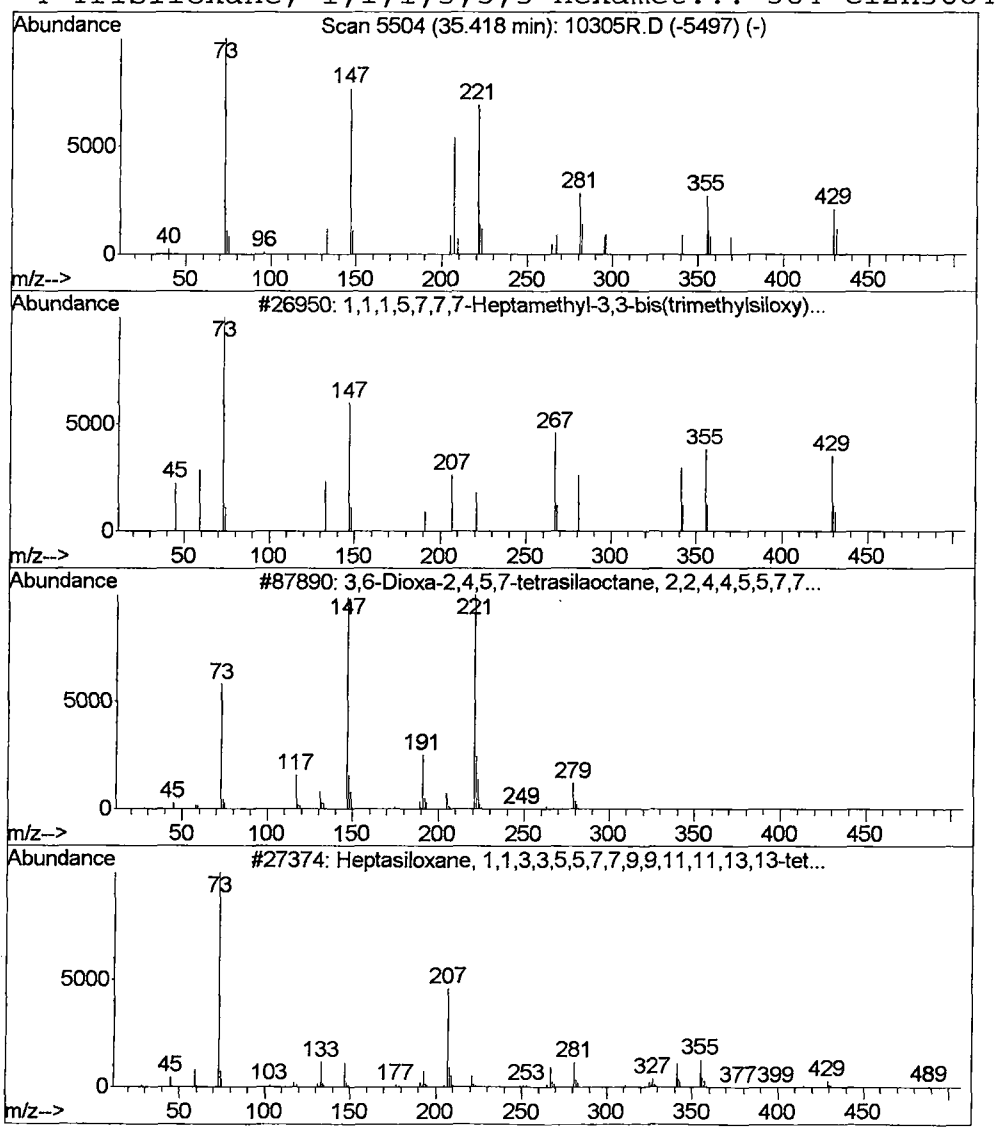
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

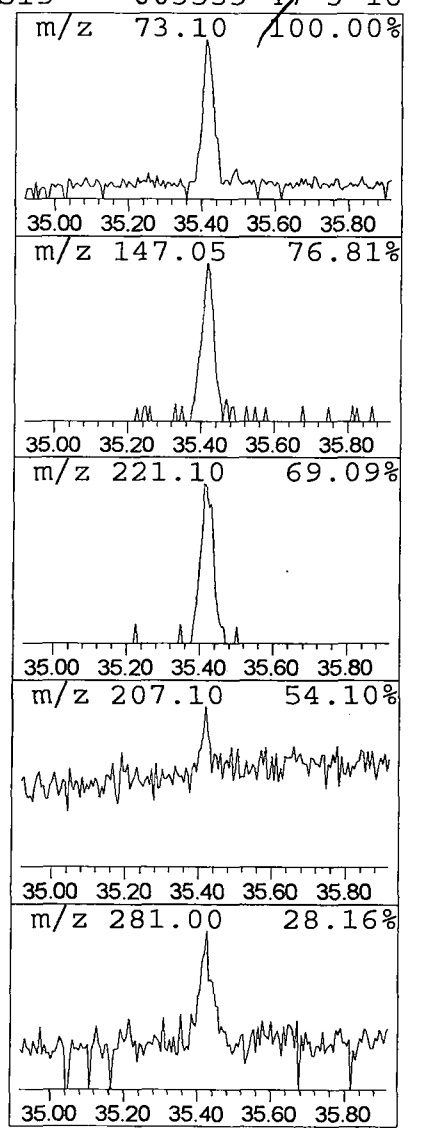
**********

Peak Number 12 1,1,1,5,7,7,7-Heptamethyl-3... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 35.42 | 0.44 ug/L | 333764 | Perylene-d12 | 34.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1,1,5,7,7,7-Heptamethyl-3,3-bi... | 444 | C13H40O5Si6 | 038147-00-1 | 40 |
| 2 | 3,6-Dioxa-2,4,5,7-tetrasilaoctan... | 294 | C10H30O2Si4 | 004342-25-0 | 35 |
| 3 | Heptasiloxane, 1,1,3,3,5,5,7,7,9... | 504 | C14H44O6Si7 | 019095-23-9 | 22 |
| 4 | Trisiloxane, 1,1,1,5,5,5-hexamet... | 384 | C12H36O4Si5 | 003555-47-3 | 16 |



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Acq On : 9 May 2002 12:56 pm  Operator: Mclean
Sample : re-inj  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

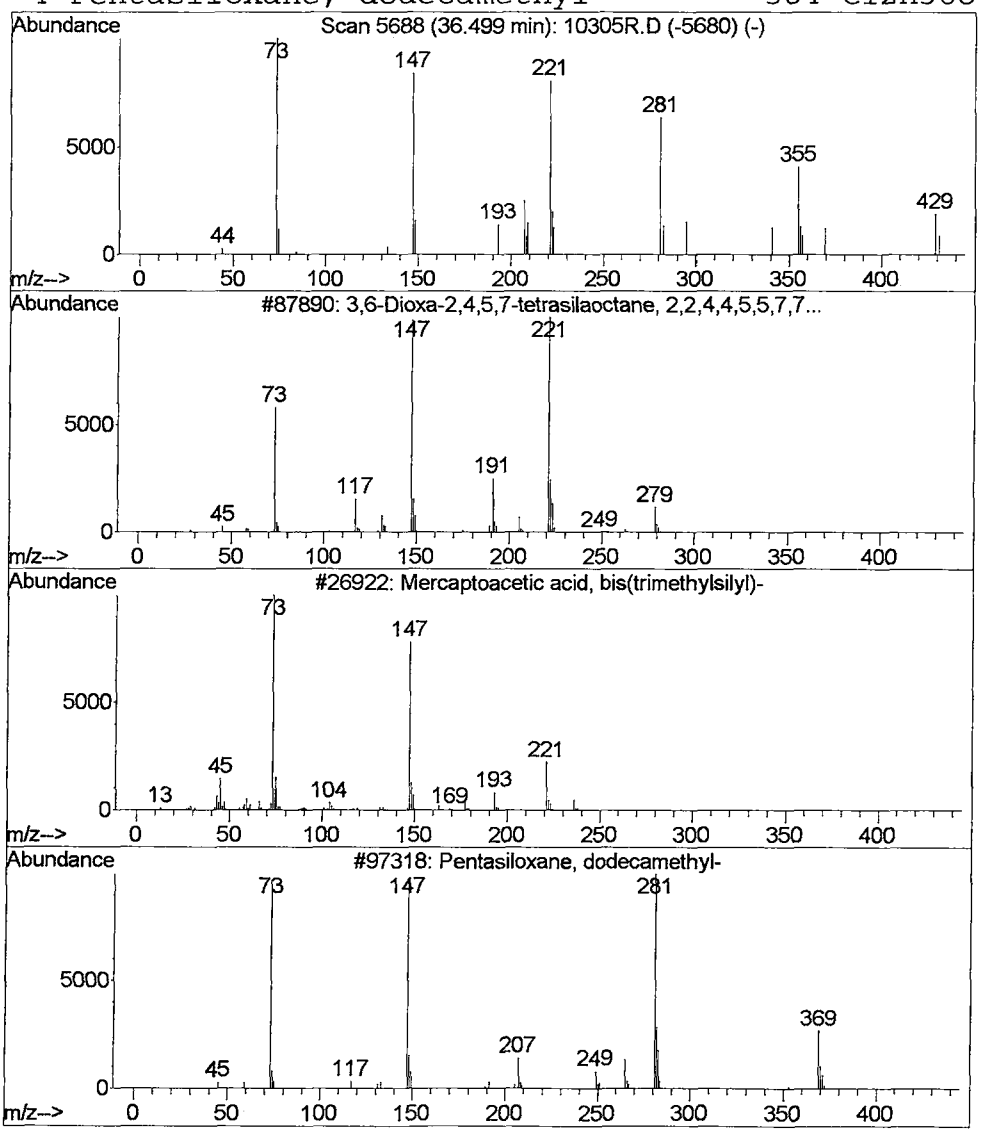
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

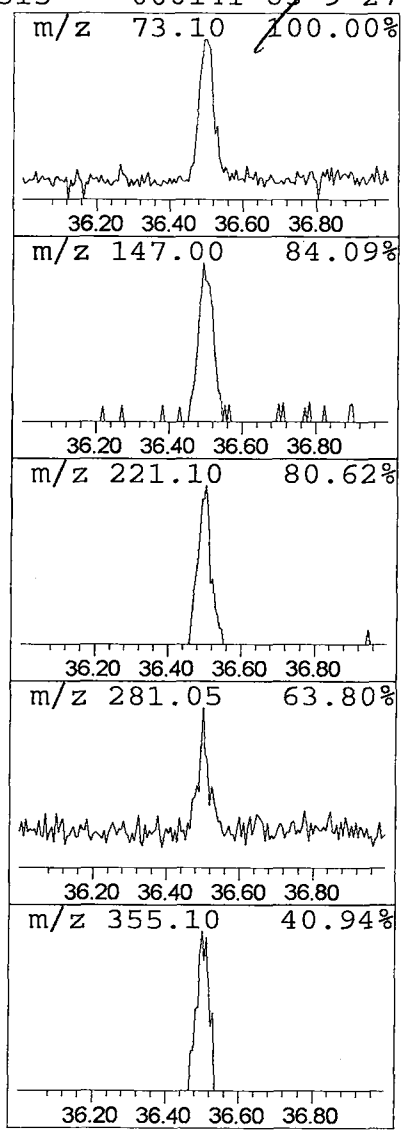
**********

Peak Number 13 3,6-Dioxa-2,4,5,7-tetrasila... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 36.50 | 0.48 ug/L | 364141 | Perylene-d12 | 34.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3,6-Dioxa-2,4,5,7-tetrasilaoctan... | 294 | C10H30O2Si4 | 004342-25-0 | 47 |
| 2 | Mercaptoacetic acid, bis(trimeth... | 236 | C8H20O2SSi2 | 006398-62-5 | 37 |
| 3 | Pentasiloxane, dodecamethyl- | 384 | C12H36O4Si5 | 000141-63-9 | 27 |
| 4 | Pentasiloxane, dodecamethyl- | 384 | C12H36O4Si5 | 000141-63-9 | 27 |



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Acq On : 9 May 2002 12:56 pm  Operator: Mclean
Sample : re-inj  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

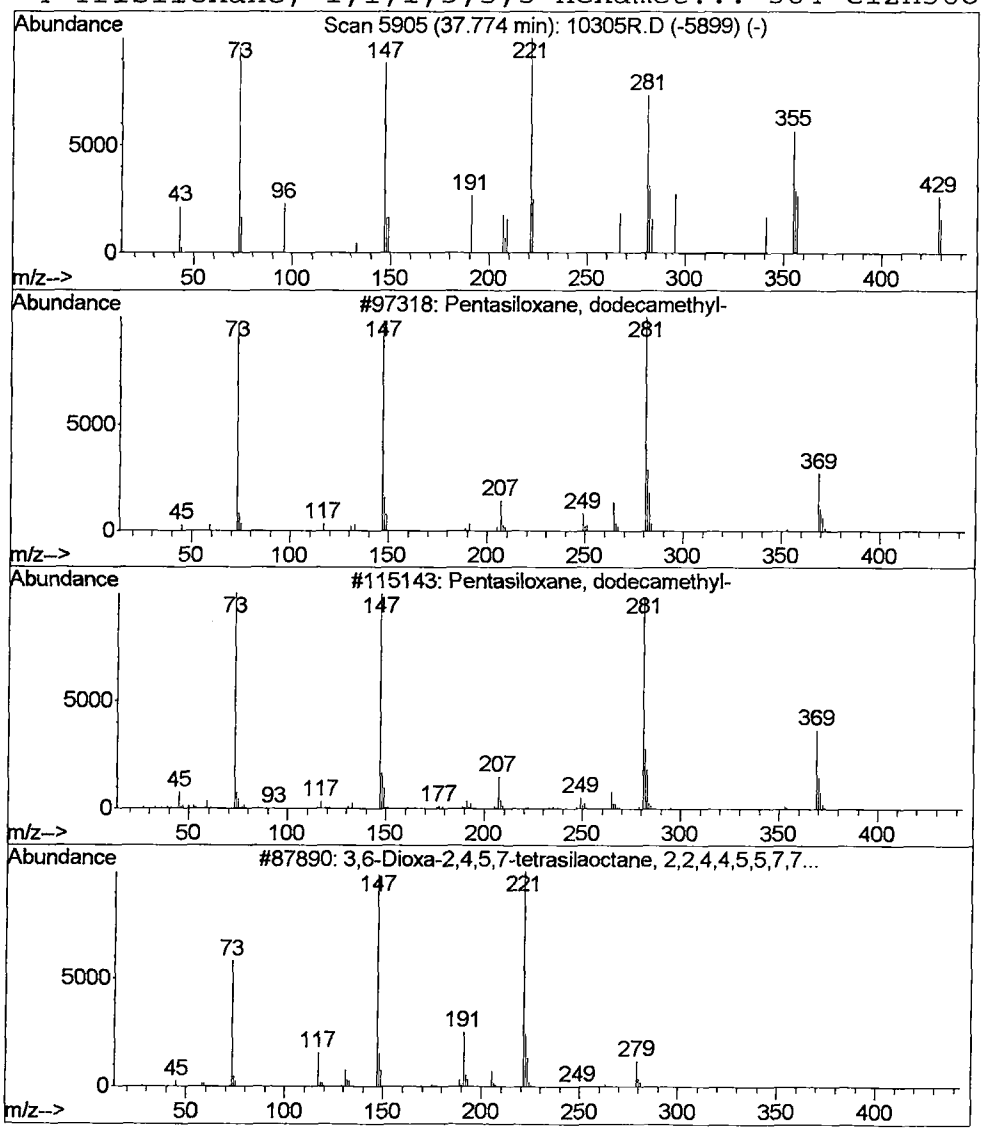
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

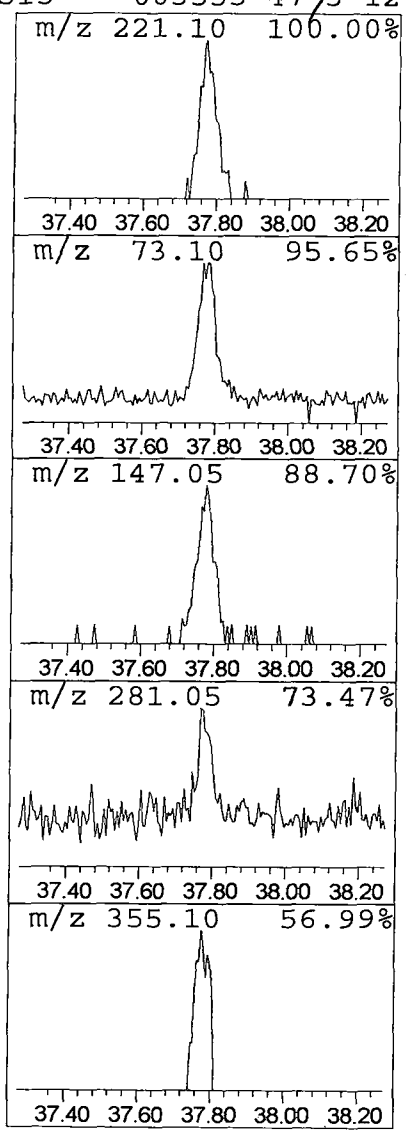
**********

Peak Number 14 Pentasiloxane, dodecamethyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 37.78 | 0.39 ug/L | 292416 | Perylene-d12 | 34.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentasiloxane, dodecamethyl- | 384 | C12H36O4Si5 | 000141-63-9 | 35 |
| 2 | Pentasiloxane, dodecamethyl- | 384 | C12H36O4Si5 | 000141-63-9 | 35 |
| 3 | 3,6-Dioxa-2,4,5,7-tetrasilaoctan... | 294 | C10H30O2Si4 | 004342-25-0 | 27 |
| 4 | Trisiloxane, 1,1,1,5,5,5-hexamet... | 384 | C12H36O4Si5 | 003555-47-3 | 12 |



# Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050802\10305R.D  Vial: 26
Acq On : 9 May 2002 12:56 pm  Operator: Mclean
Sample : re-inj  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

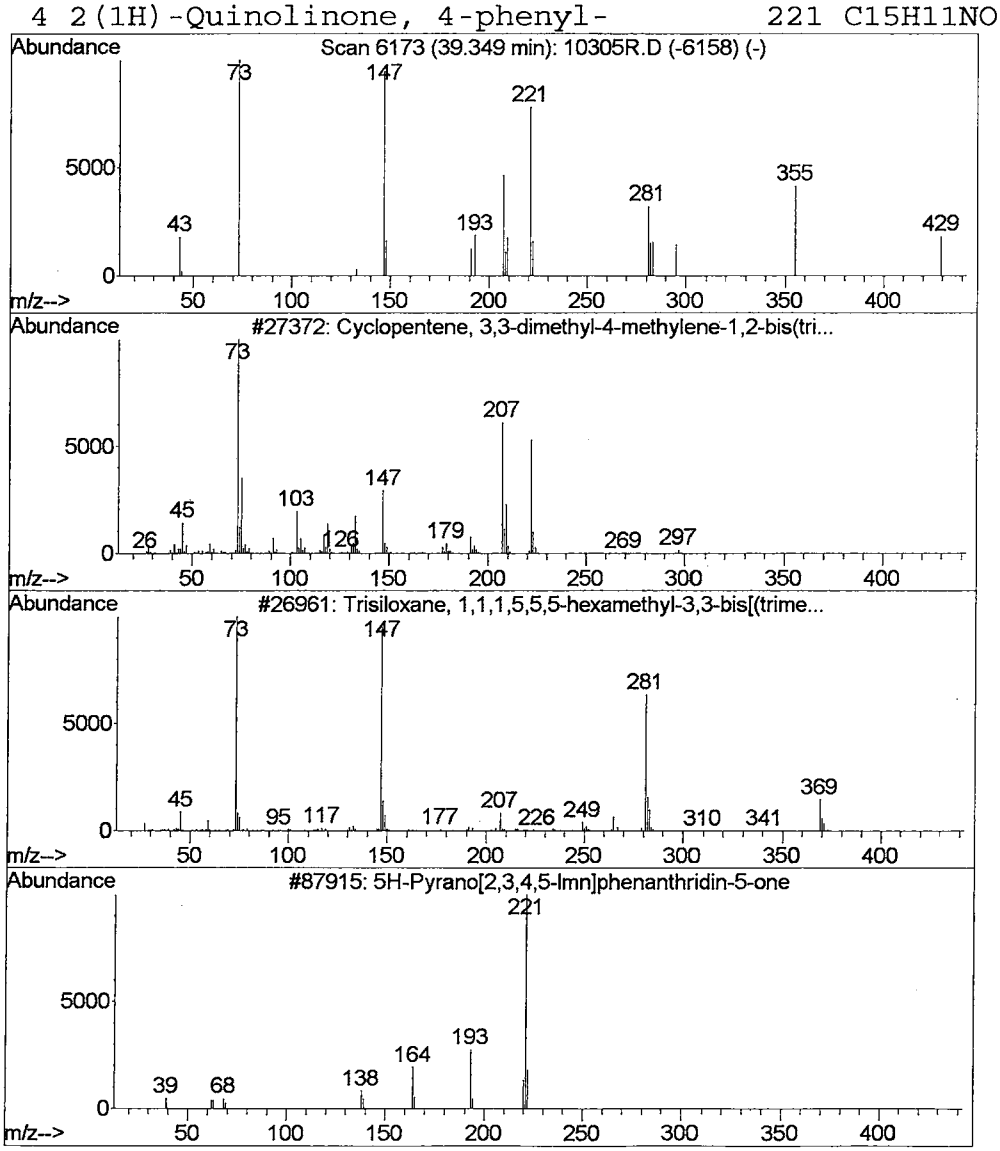
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

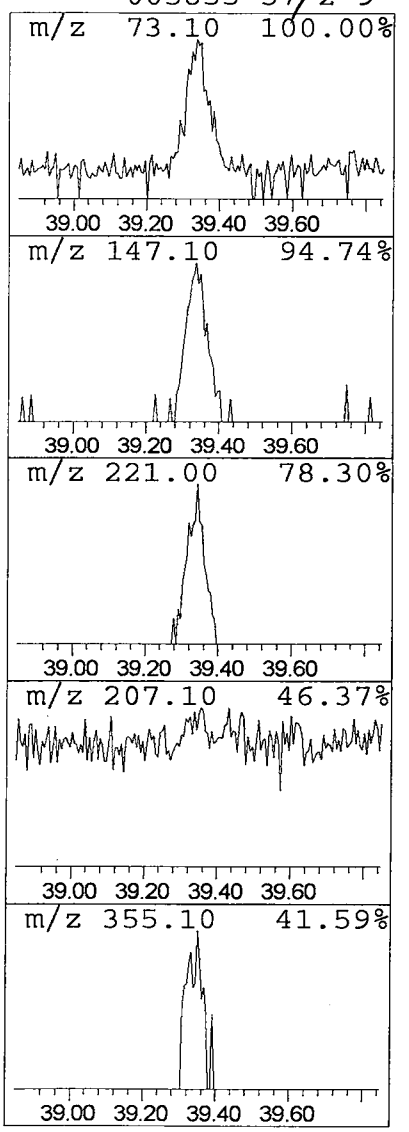
**********

Peak Number 15 Cyclopentene, 3,3-dimethyl-... Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 39.35 | 0.28 ug/L | 213019 | Perylene-d12 | 34.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentene, 3,3-dimethyl-4-met... | 312 | C16H32O2Si2 | 1000152-27-9 | 14 |
| 2 | Trisiloxane, 1,1,1,5,5,5-hexamet... | 384 | C12H36O4Si5 | 003555-47-3 | 10 |
| 3 | 5H-Pyrano[2,3,4,5-lmn]phenanthri... | 221 | C14H7NO2 | 004733-28-2 | 9 |
| 4 | 2(1H)-Quinolinone, 4-phenyl- | 221 | C15H11NO | 005855-57-2 | 9 |



# Tentatively Identified Compound (LSC) summary

Operator ID: Mclean  Date Acquired: 9 May 2002 12:56 pm
Data File: C:\MSDCHEM\1\DATA\050802\10305R.D
Name: re-inj
Misc:
Method: C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title: 508 Modified GC/MS scan
Library Searched: C:\DATABASE\NIST98.L

| TIC Top Hit name | RT | EstConc | Units | Response | Internal Standard # | Internal Standard RT | Internal Standard Resp | Internal Standard Conc |
|---|---|---|---|---|---|---|---|---|
| Methane, bromodic... | 3.35 | 0.5 | ug/L | 420029 | 1 | 9.94 | 32457900 | 40.0 |
| Acetonitrile, dic... | 3.63 | 0.8 | ug/L | 652137 | 1 | 9.94 | 32457900 | 40.0 |
| Ethanethioic acid | 3.75 | 0.4 | ug/L | 346166 | 1 | 9.94 | 32457900 | 40.0 |
| Pyridine, 2-chlor... | 5.10 | 0.3 | ug/L | 277700 | 1 | 9.94 | 32457900 | 40.0 |
| Cyclotrisiloxane,... | 5.43 | 0.2 | ug/L | 199255 | 1 | 9.94 | 32457900 | 40.0 |
| 2-Pentanone, 4-hy... | 5.97 | 14.3 | ug/L | 11636500 | 1 | 9.94 | 32457900 | 40.0 |
| Thiocyanic acid, ... | 22.58 | 0.3 | ug/L | 357652 | 4 | 22.95 | 46511300 | 40.0 |
| Anthracene-d10- | 23.11 | 0.5 | ug/L | 589078 | 4 | 22.95 | 46511300 | 40.0 |
| 2-Ethylthio-5-bro... | 30.99 | 0.3 | ug/L | 291947 | 5 | 30.81 | 38755700 | 40.0 |
| Trisiloxane, 1,1,... | 34.37 | 0.2 | ug/L | 184396 | 6 | 34.70 | 30218200 | 40.0 |
| 1H-Indole-1-propa... | 34.95 | 0.3 | ug/L | 263731 | 6 | 34.70 | 30218200 | 40.0 |
| 1,1,1,5,7,7,7-Hep... | 35.42 | 0.4 | ug/L | 333764 | 6 | 34.70 | 30218200 | 40.0 |
| 3,6-Dioxa-2,4,5,7... | 36.50 | 0.5 | ug/L | 364141 | 6 | 34.70 | 30218200 | 40.0 |
| Pentasiloxane, do... | 37.78 | 0.4 | ug/L | 292416 | 6 | 34.70 | 30218200 | 40.0 |
| Cyclopentene, 3,3... | 39.35 | 0.3 | ug/L | 213019 | 6 | 34.70 | 30218200 | 40.0 |