User: Fakhouri, Morgan
Westchester Dept. of Labs & Research
Date: 05/14/2002 Time: 11:06:33

Sample: AE09570
Analysis: $B1GCMS Blank for GCMS Scan
Units: ug
Started: 5/14/02 09:50 Ended: 5/14/02 09:50 Analyst: MF
Result source: manual entry
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | n-Nitrosodimethylamine | | < MDL | | 2.0 |
| 2 | bis(2-Chloroethyl)ether | | < MDL | | 2.0 |
| 3 | 1,3-Dichlorobenzene | | < MDL | | 2.0 |
| 4 | 1,4-Dichlorobenzene | | < MDL | | 2.0 |
| 5 | 1,2-Dichlorobenzene | | < MDL | | 2.0 |
| 6 | 2,2'-oxybis(1-Chloropropane) | | < MDL | | 2.0 |
| 7 | n-Nitrosodi-n-propylamine | | < MDL | | 2.0 |
| 8 | Hexachloroethane | | < MDL | | 2.0 |
| 9 | Nitrobenzene | | < MDL | | 2.0 |
| 10 | Isophorone | | < MDL | | 2.0 |
| 11 | bis(2-Chloroethoxy)methane | | < MDL | | 2.0 |
| 12 | 1,2,4-Trichlorobenzene | | < MDL | | 2.0 |
| 13 | Naphthalene | | < MDL | | 2.0 |
| 14 | Hexachlorobutadiene | | < MDL | | 2.0 |
| 15 | 2-Chloronaphthalene | | < MDL | | 2.0 |
| 16 | Dimethylphthalate | | < MDL | | 2.0 |
| 17 | 2,6-Dinitrotoluene | | < MDL | | 2.0 |
| 18 | Acenaphthylene | | < MDL | | 2.0 |
| 19 | Acenaphthene | | < MDL | | 2.0 |
| 20 | 2,4-Dinitrotoluene | | < MDL | | 2.0 |
| 21 | Diethylphthalate | | < MDL | | 2.0 |
| 22 | 4-Chlorophenylphenylether | | < MDL | | 2.0 |
| 23 | Fluorene | | < MDL | | 2.0 |
| 24 | Azobenzene | | < MDL | | 2.0 |
| 25 | n-Nitrosodiphenylamine | | < MDL | | 2.0 |
| 26 | 4-Bromophenylphenylether | | < MDL | | 2.0 |
| 27 | Hexachlorobenzene | | < MDL | | 2.0 |
| 28 | Phenanthrene | | < MDL | | 2.0 |
| 29 | Anthracene | | < MDL | | 2.0 |
| 30 | Di-n-butylphthalate | | < MDL | | 2.0 |
| 31 | Fluoranthene | | < MDL | | 2.0 |
| 32 | Pyrene | | < MDL | | 2.0 |
| 33 | Butylbenzylphthalate | | < MDL | | 2.0 |
| 34 | Benzo(a)anthracene | | < MDL | | 2.0 |
| 35 | bis(2-Ethylhexyl)phthalate | | < MDL | | 2.0 |
| 36 | Chrysene | | < MDL | | 2.0 |
| 37 | Di-n-octylphthalate | | < MDL | | 2.0 |
| 38 | Benzo(b)fluoranthene | | < MDL | | 2.0 |
| 39 | Benzo(k)fluoranthene | | < MDL | | 2.0 |
| 40 | Benzo(a)pyrene | | < MDL | | 2.0 |
| 41 | Indeno(1,2,3-cd)pyrene | | < MDL | | 2.0 |
| 42 | Dibenz(a,h)anthracene | | < MDL | | 2.0 |
| 43 | Benzo(g,h,i)perylene | | < MDL | | 2.0 |

Data File : C:\MSDCHEM\1\DATA\050902\0508LB.D Vial: 4
Acq On : 9 May 2002 5:43 pm Operator: Mclean
Sample : 5/8 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 13 14:16:42 2002 Quant Results File: 050102.RES

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Mon May 13 11:40:29 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 | 5250781 | 40.00 | ug/L | 0.00 |
| 10) Napthalene-d8 | 13.43 | 136 | 20910140 | 40.00 | ug/L | 0.00 |
| 17) Acenapthalene-d10 | 18.57 | 164 | 11186342 | 40.00 | ug/L | 0.00 |
| 29) Phenanthranene-d10 | 22.95 | 188 | 16296983 | 40.00 | ug/L | 0.00 |
| 37) Chrysene-d12 | 30.81 | 240 | 11494043 | 40.00 | ug/L | 0.00 |
| 43) Perylene-d12 | 34.70 | 264 | 7157628 | 40.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 27) TCMX | 20.55 | 209 | 2345743 | 34.54 | ug/L | 0.00 |
| Spiked Amount 40.000 | | | Recovery = 86.35% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) n-nitros-dimethyl amine | 0.00 | 74 | 0 | N.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 | 20.54 | 77 | 42124 | N.D. | | |
| 30) Nnitrosodiphenylamine | 20.54 | 169 | 47018 | 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. | | |
| 34) Anthracene | 0.00 | 178 | 0 | N.D. | | |
| 35) Di-n-butylphthalate | 0.00 | 149 | 0 | N.D. | | |

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

Data File : C:\MSDCHEM\1\DATA\050902\0508LB.D Vial: 4
Acq On : 9 May 2002 5:43 pm Operator: Mclean
Sample : 5/8 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 13 14:16:42 2002 Quant Results File: 050102.RES

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Mon May 13 11:40:29 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

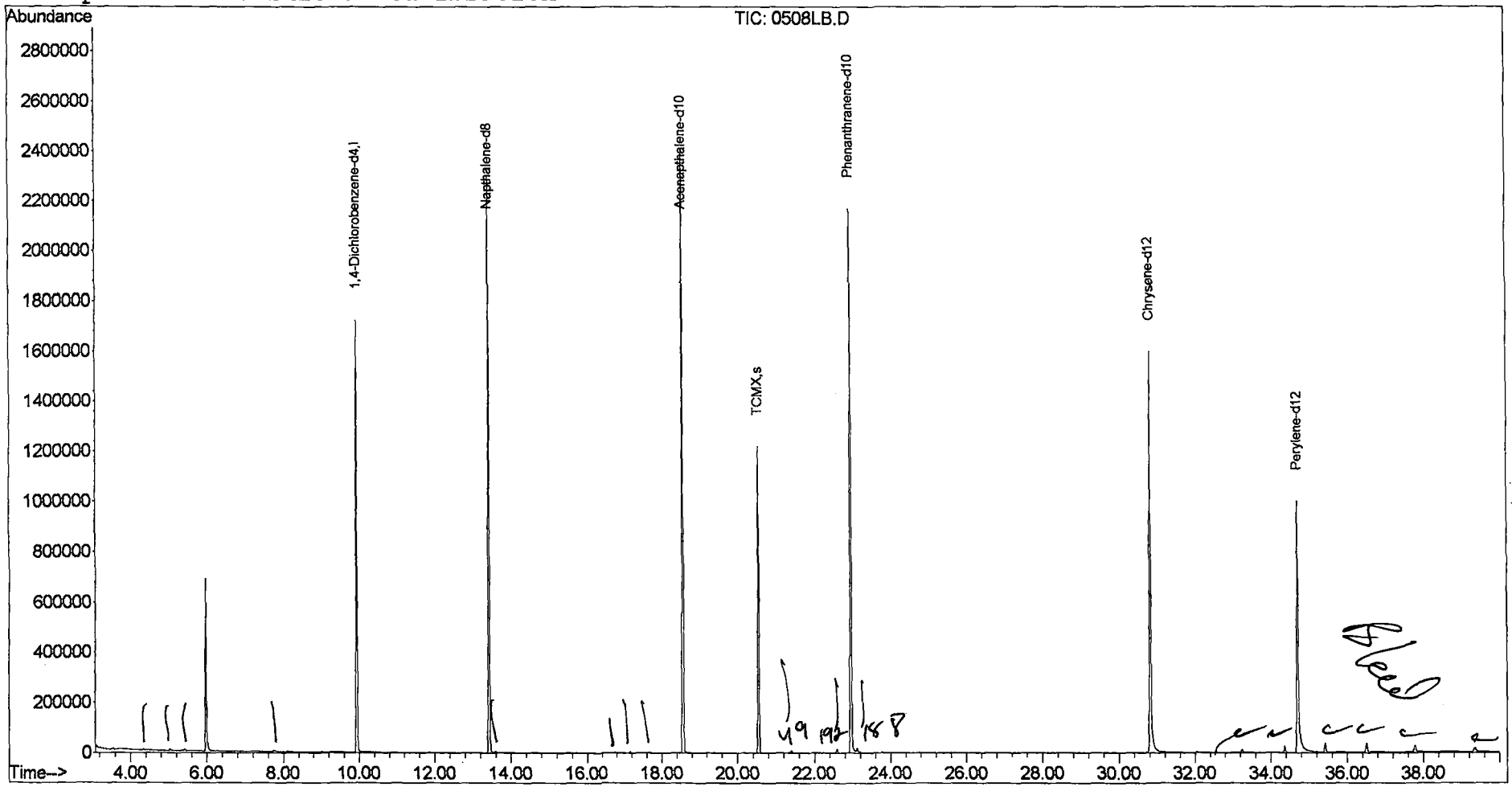
| | Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|---|
| 36) | Fluoroanthene | 0.00 | 202 | 0 | N.D. | |
| 38) | Pyrene | 0.00 | 202 | 0 | N.D. | |
| 39) | Butylbenzylphthalate | 0.00 | 149 | 0 | N.D. | |
| 40) | Benzo(a)anthracene | 30.81 | 228 | 31327 | N.D. | |
| 41) | Bis(2-ethylhexyl)phthalate | 0.00 | 149 | 0 | N.D. | |
| 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. | |
| 50) | Benzo(g,h,i)perylene | 0.00 | 276 | 0 | N.D. | |

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

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\050902\0508LB.D Vial: 4
Acq On : 9 May 2002 5:43 pm Operator: Mclean
Sample : 5/8 kb Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 13 14:16 2002 Quant Results File: 050102.RES

Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Mon May 13 11:40:29 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\050902\0508LB.D  Vial: 4
Acq On : 9 May 2002 5:43 pm  Operator: Mclean
Sample : 5/8 kb  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

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

Signal : TIC

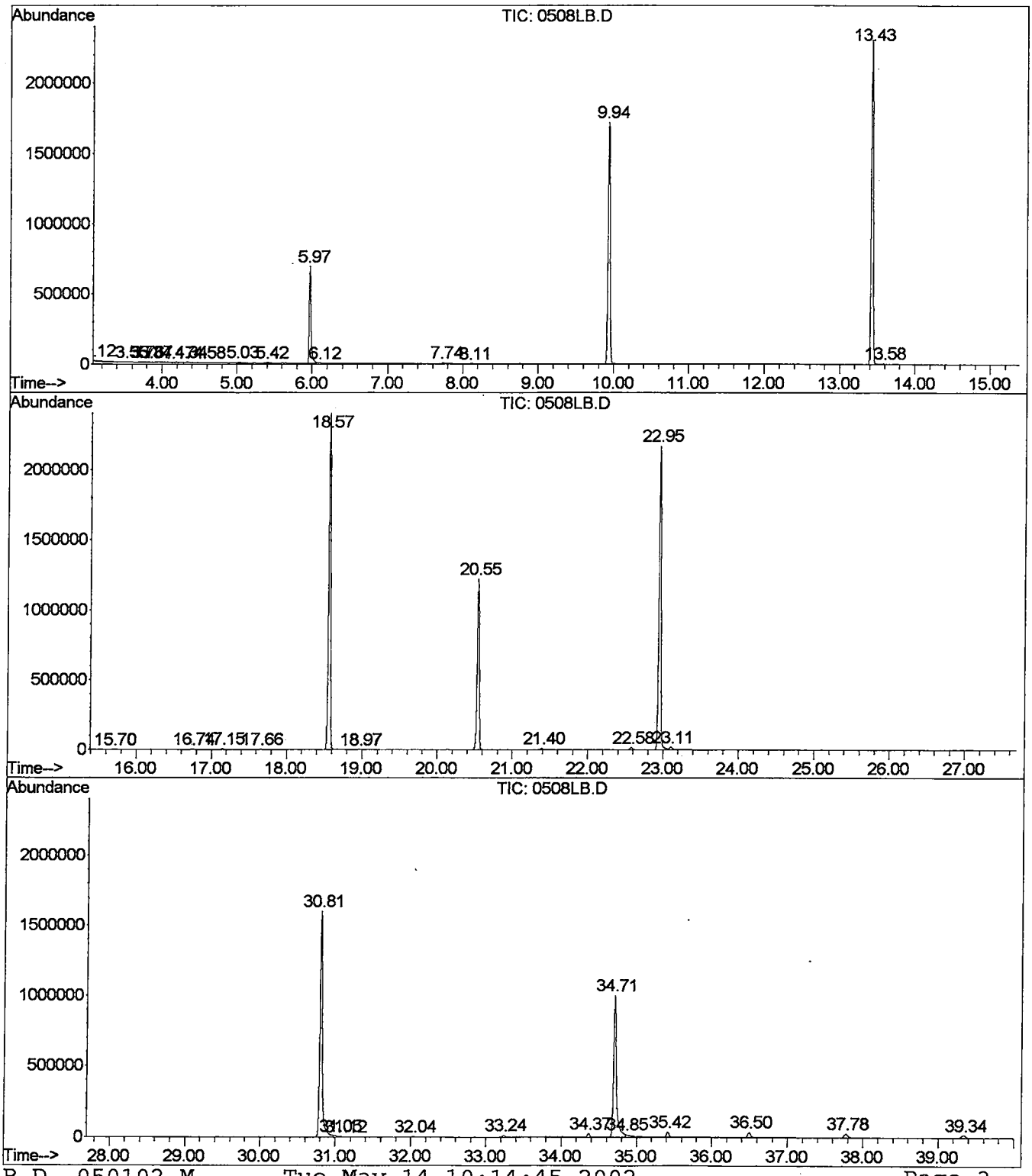
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.120 | 3 | 7 | 28 | BV 5 | 3874 | 95098 | 0.21% | 0.035% |
| 2 | 3.543 | 73 | 79 | 85 | PV 6 | 3222 | 68741 | 0.15% | 0.025% |
| 3 | 3.731 | 94 | 111 | 114 | PV 8 | 4720 | 208158 | 0.45% | 0.077% |
| 4 | 3.761 | 114 | 116 | 128 | VV 9 | 4655 | 182629 | 0.39% | 0.067% |
| 5 | 3.866 | 131 | 134 | 137 | VV 4 | 3255 | 56449 | 0.12% | 0.021% |
| 6 | 4.166 | 180 | 185 | 187 | VV 3 | 2054 | 23743 | 0.05% | 0.009% |
| 7 | 4.336 | 209 | 214 | 221 | VV 4 | 4819 | 90455 | 0.20% | 0.033% |
| 8 | 4.583 | 250 | 256 | 262 | PV 9 | 1746 | 30472 | 0.07% | 0.011% |
| 9 | 5.030 | 324 | 332 | 350 | VV 5 | 6819 | 201773 | 0.44% | 0.074% |
| 10 | 5.418 | 391 | 398 | 414 | VV 3 | 5990 | 169383 | 0.37% | 0.062% |
| 11 | 5.970 | 485 | 492 | 516 | PV | 670448 | 11744117 | 25.35% | 4.318% |
| 12 | 6.117 | 516 | 517 | 524 | VV 4 | 1903 | 24952 | 0.05% | 0.009% |
| 13 | 7.738 | 784 | 793 | 810 | PV 2 | 5836 | 197251 | 0.43% | 0.073% |
| 14 | 8.114 | 851 | 857 | 865 | VV 5 | 1928 | 43252 | 0.09% | 0.016% |
| 15 | 9.936 | 1158 | 1167 | 1186 | PV | 1724907 | 31994964 | 69.07% | 11.763% |
| 16 | 13.432 | 1752 | 1762 | 1783 | PV | 2294420 | 42913695 | 92.64% | 15.777% |
| 17 | 13.585 | 1783 | 1788 | 1797 | VV | 6668 | 119937 | 0.26% | 0.044% |
| 18 | 15.700 | 2140 | 2148 | 2155 | VV 4 | 2023 | 34505 | 0.07% | 0.013% |
| 19 | 16.746 | 2319 | 2326 | 2340 | VV 5 | 3661 | 81323 | 0.18% | 0.030% |
| 20 | 17.151 | 2390 | 2395 | 2403 | VV 2 | 6134 | 105197 | 0.23% | 0.039% |
| 21 | 17.662 | 2477 | 2482 | 2487 | PV 3 | 3152 | 48364 | 0.10% | 0.018% |
| 22 | 18.567 | 2622 | 2636 | 2663 | VV | 2390129 | 46323191 | 100.00% | 17.030% |
| 23 | 18.967 | 2698 | 2704 | 2708 | VV 4 | 1786 | 30469 | 0.07% | 0.011% |
| 24 | 20.547 | 2960 | 2973 | 2985 | PV | 1213439 | 23507016 | 50.75% | 8.642% |
| 25 | 21.399 | 3112 | 3118 | 3129 | VV 3 | 9401 | 156139 | 0.34% | 0.057% |
| 26 | 22.580 | 3312 | 3319 | 3327 | VV 2 | 15486 | 280257 | 0.61% | 0.103% |
| 27 | 22.956 | 3369 | 3383 | 3403 | PV 2 | 2159565 | 44873936 | 96.87% | 16.498% |
| 28 | 23.109 | 3403 | 3409 | 3430 | VV 2 | 18338 | 532774 | 1.15% | 0.196% |
| 29 | 30.806 | 4703 | 4719 | 4759 | PV 2 | 1583271 | 36193299 | 78.13% | 13.306% |
| 30 | 31.047 | 4759 | 4760 | 4771 | VV 4 | 6107 | 201007 | 0.43% | 0.074% |
| 31 | 31.123 | 4771 | 4773 | 4794 | VV 6 | 3627 | 184668 | 0.40% | 0.068% |
| 32 | 32.040 | 4923 | 4929 | 4937 | VV 6 | 4155 | 83581 | 0.18% | 0.031% |
| 33 | 33.238 | 5118 | 5133 | 5144 | VV 2 | 13412 | 267653 | 0.58% | 0.098% |
| 34 | 34.367 | 5316 | 5325 | 5335 | PV 2 | 24742 | 573160 | 1.24% | 0.211% |
| 35 | 34.707 | 5358 | 5383 | 5407 | VV 2 | 996870 | 25825840 | 55.75% | 9.495% |
| 36 | 34.854 | 5407 | 5408 | 5433 | VV 8 | 20345 | 1003999 | 2.17% | 0.369% |
| 37 | 35.418 | 5496 | 5504 | 5518 | VV 2 | 37333 | 919085 | 1.98% | 0.338% |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 38 | 38.499 | 5874 | 5888 | 5900 | VV | | 36740 | 1032805 | 2.23% | 0.380% |
| 39 | 37.780 | 5896 | 5906 | 5926 | VV | 2 | 26708 | 943440 | 2.04% | 0.347% |
| 40 | 39.343 | 6156 | 6172 | 6183 | PV | 5 | 16268 | 637888 | 1.38% | 0.235% |

Sum of corrected areas: 272004463

# LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\050902\0508LB.D
Operator : Mclean
Acquired : 9 May 2002 5:43 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 5/8 kb
Misc Info :
Vial Number: 4
Quant File :050102.RES (Chemstation Integrator)



Data File : C:\MSDCHEM\1\DATA\050902\0508LB.D  Vial: 4
Acq On : 9 May 2002 5:43 pm  Operator: Mclean
Sample : 5/8 kb  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

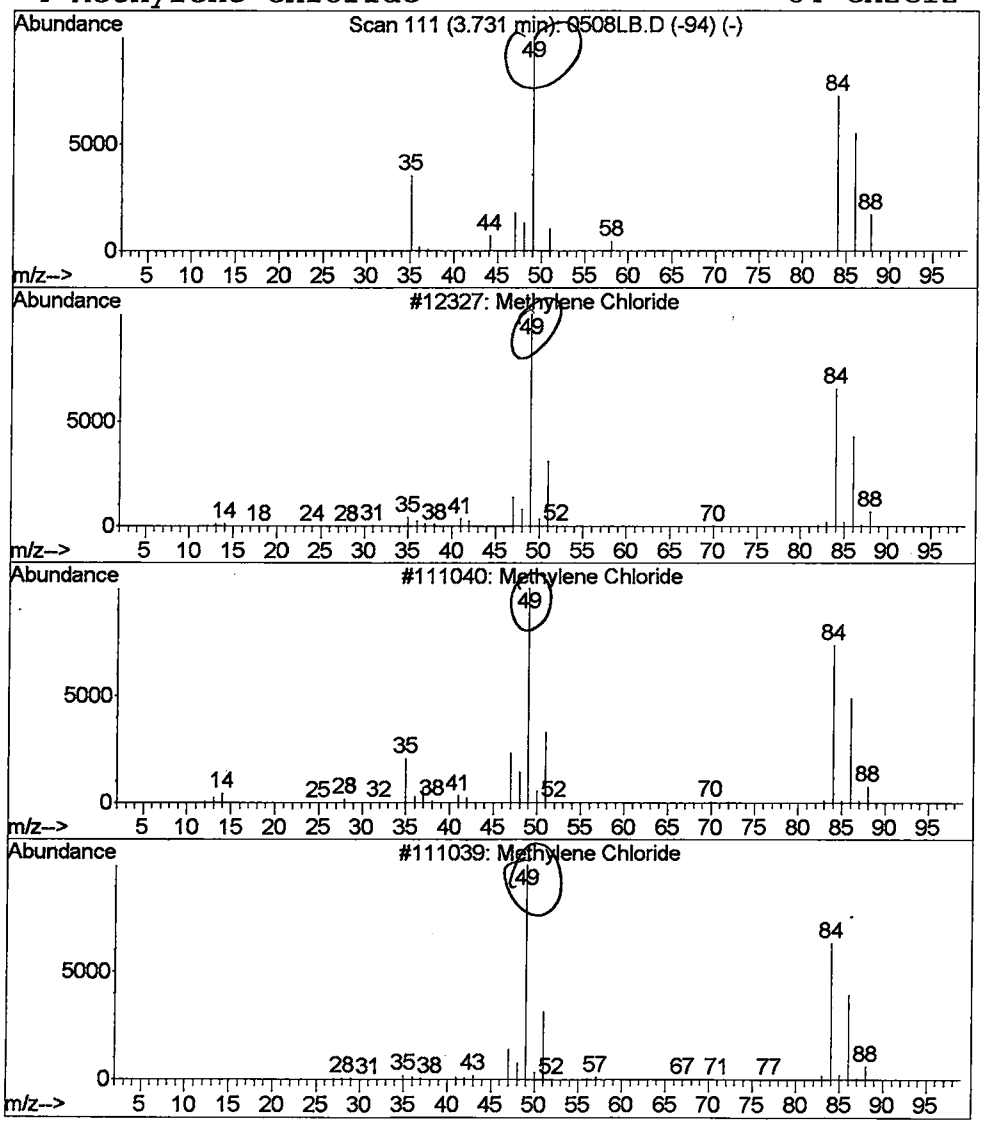
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

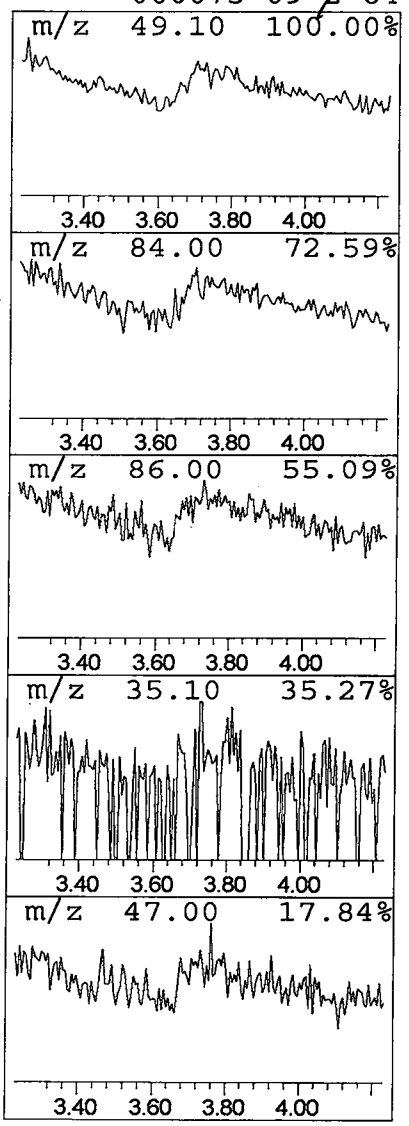
**********

Peak Number 1 Methylene Chloride  Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.73 | 0.26 ug/L | 208158 | 1,4-Dichlorobenzene-d4 | 9.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methylene Chloride | 84 | CH2Cl2 | 000075-09-2 | 72 |
| 2 | Methylene Chloride | 84 | CH2Cl2 | 000075-09-2 | 72 |
| 3 | Methylene Chloride | 84 | CH2Cl2 | 000075-09-2 | 72 |
| 4 | Methylene Chloride | 84 | CH2Cl2 | 000075-09-2 | 64 |



Data File : C:\MSDCHEM\1\DATA\050902\0508LB.D  Vial: 4
Acq On : 9 May 2002 5:43 pm  Operator: Mclean
Sample : 5/8 kb  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

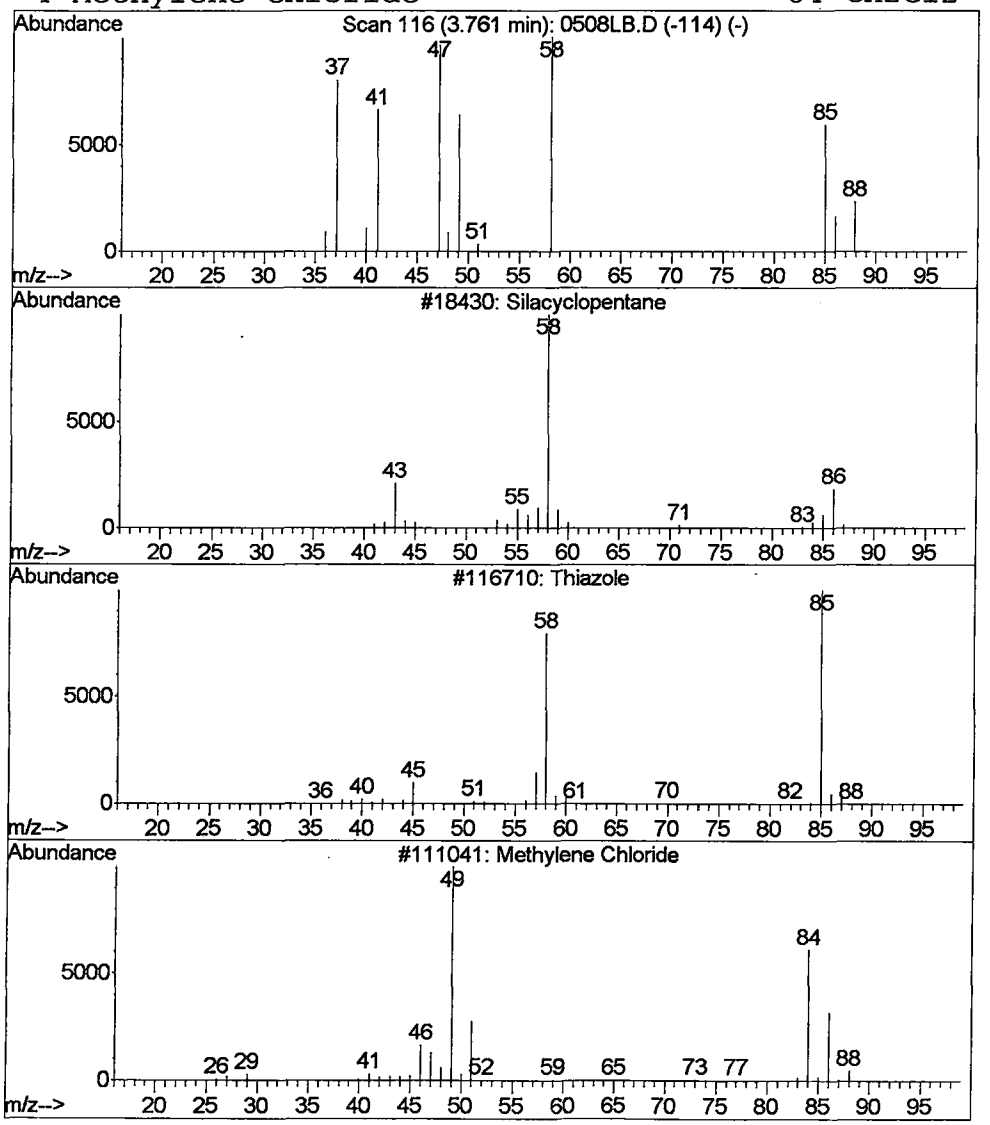
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

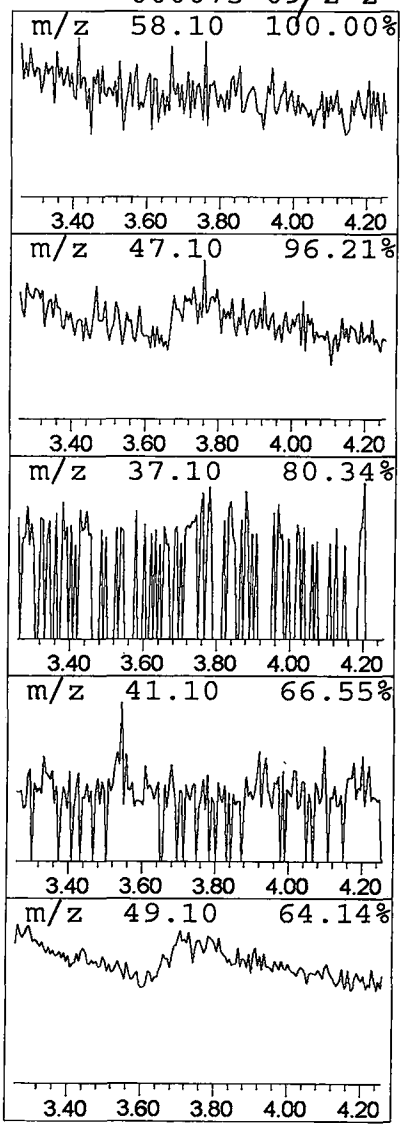
**********

Peak Number 2 Silacyclopentane  Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.76 | 0.23 ug/L | 182629 | 1,4-Dichlorobenzene-d4 | 9.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Silacyclopentane | 86 | C4H10Si | 000288-06-2 | 4 |
| 2 | Thiazole | 85 | C3H3NS | 000288-47-1 | 2 |
| 3 | Methylene Chloride | 84 | CH2Cl2 | 000075-09-2 | 2 |
| 4 | Methylene Chloride | 84 | CH2Cl2 | 000075-09-2 | 2 |



Data File : C:\MSDCHEM\1\DATA\050902\0508LB.D  Vial: 4
Acq On : 9 May 2002 5:43 pm  Operator: Mclean
Sample : 5/8 kb  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

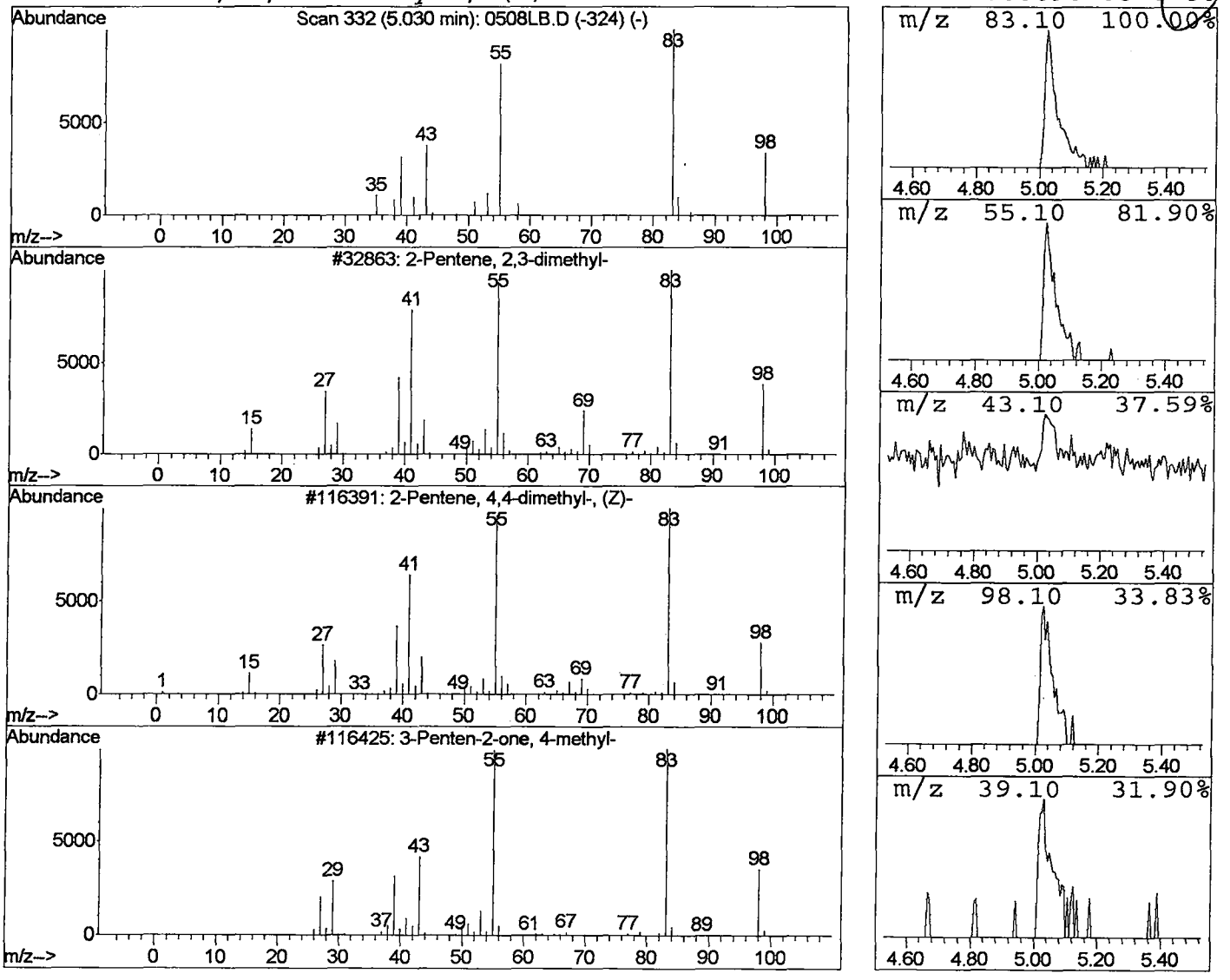
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

**********

Peak Number 3 2-Pentene, 2,3-dimethyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.03 | 0.25 ug/L | 201773 | 1,4-Dichlorobenzene-d4 | 9.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentene, 2,3-dimethyl- | 98 | C7H14 | 010574-37-5 | 80 |
| 2 | 2-Pentene, 4,4-dimethyl-, (Z)- | 98 | C7H14 | 000762-63-0 | 80 |
| 3 | 3-Penten-2-one, 4-methyl- | 98 | C6H10O | 000141-79-7 | 80 |
| 4 | 2-Pentene, 4,4-dimethyl-, (E)- | 98 | C7H14 | 000690-08-4 | 80 |



Data File : C:\MSDCHEM\1\DATA\050902\0508LB.D  Vial: 4
Acq On : 9 May 2002 5:43 pm  Operator: Mclean
Sample : 5/8 kb  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

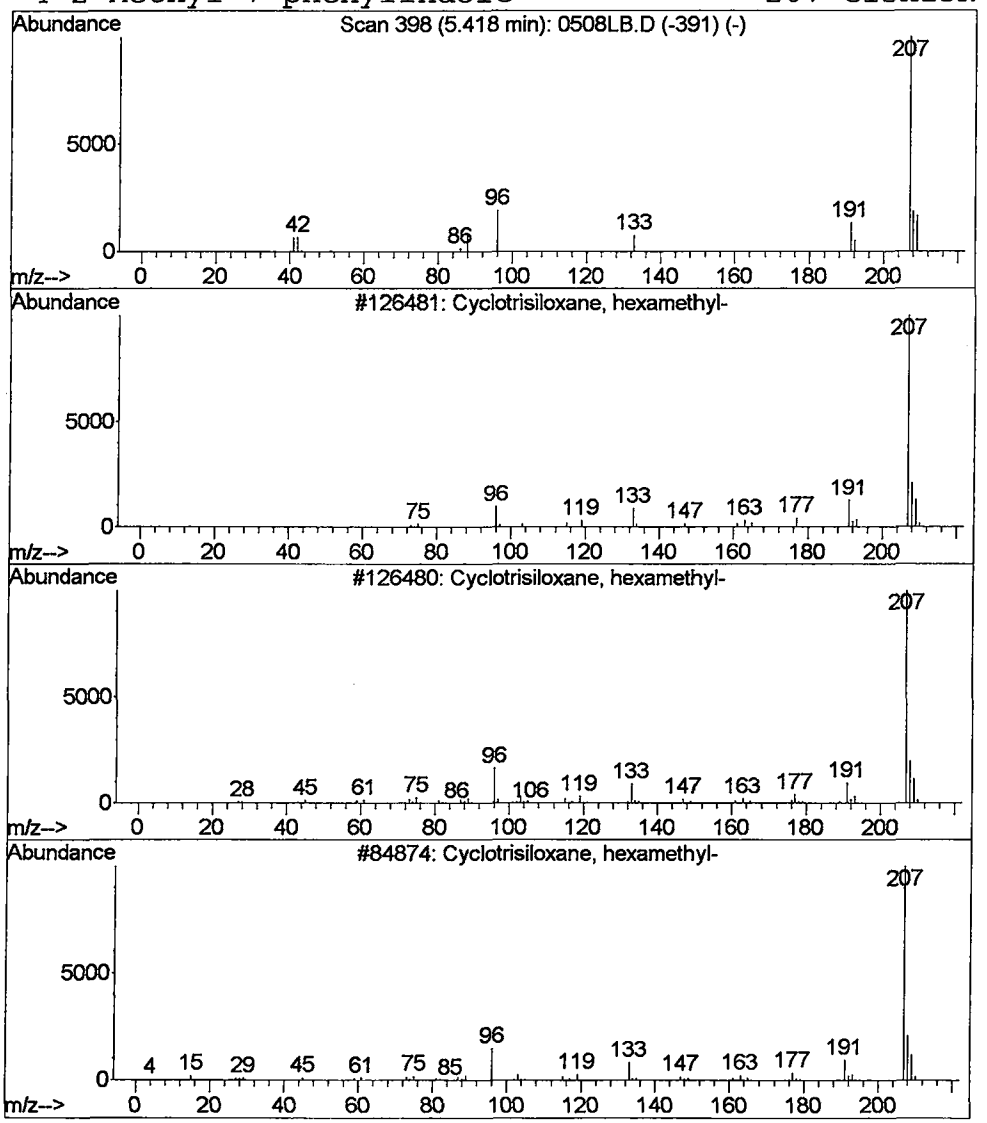
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

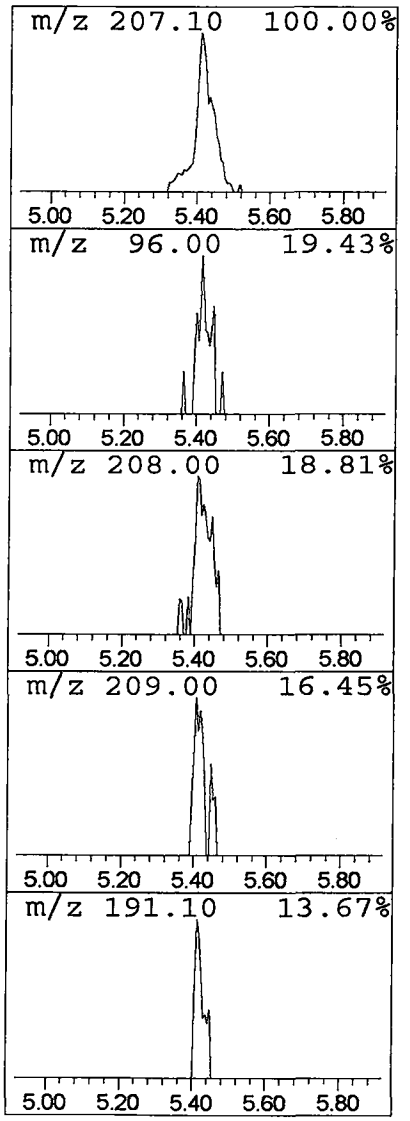
**********

Peak Number 4 Cyclotrisiloxane, hexamethyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.42 | 0.21 ug/L | 169383 | 1,4-Dichlorobenzene-d4 | 9.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclotrisiloxane, hexamethyl- | 222 | C6H18O3Si3 | 000541-05-9 | 72 |
| 2 | Cyclotrisiloxane, hexamethyl- | 222 | C6H18O3Si3 | 000541-05-9 | 64 |
| 3 | Cyclotrisiloxane, hexamethyl- | 222 | C6H18O3Si3 | 000541-05-9 | 64 |
| 4 | 2-Methyl-7-phenylindole | 207 | C15H13N | 001140-08-5 | 59 |



Data File : C:\MSDCHEM\1\DATA\050902\0508LB.D  Vial: 4
Acq On : 9 May 2002 5:43 pm  Operator: Mclean
Sample : 5/8 kb  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.e

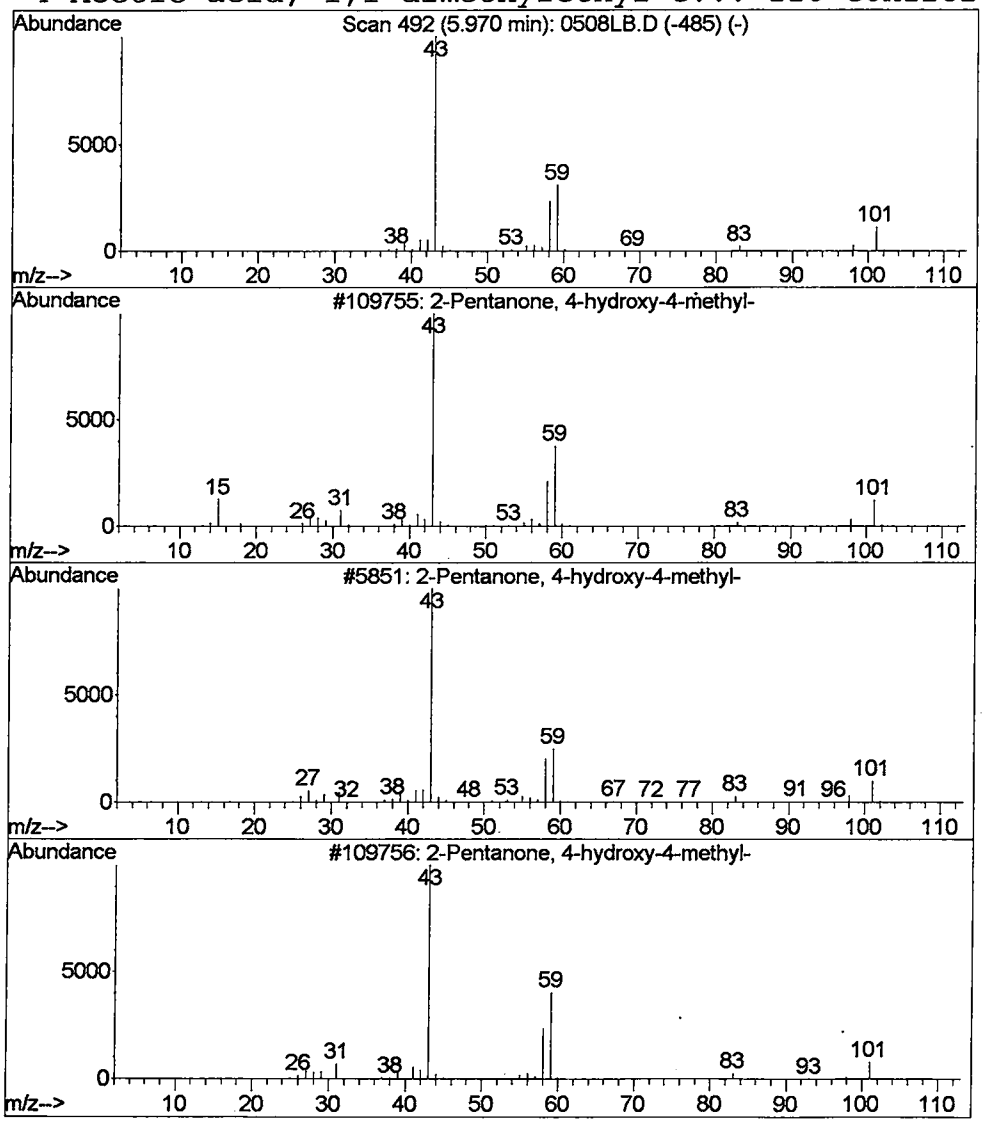
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

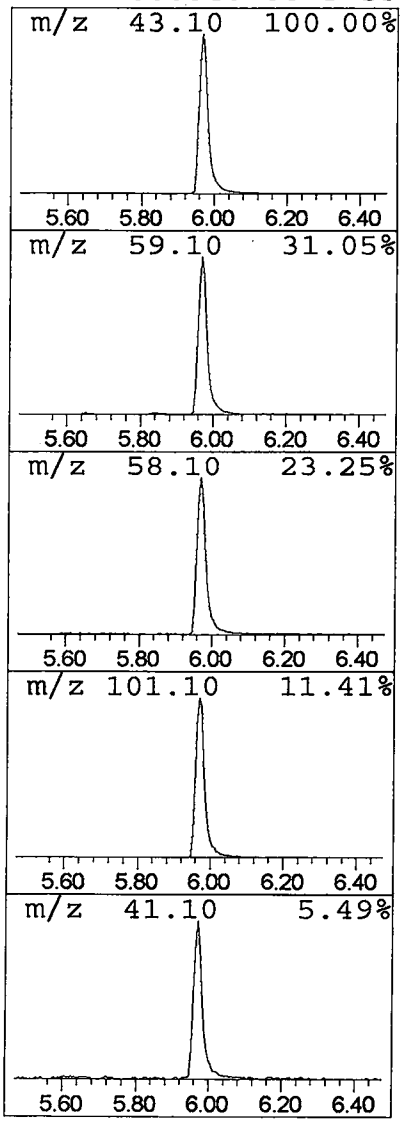
**********

Peak Number 5 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.97 | 14.68 ug/L | 11744100 | 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 | 83 |
| 2 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 83 |
| 3 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 78 |
| 4 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 53 |



Data File : C:\MSDCHEM\1\DATA\050902\0508LB.D
Acq On : 9 May 2002 5:43 pm
Sample : 5/8 kb
Misc :
MS Integration Params: LSCINT.e

Vial: 4
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

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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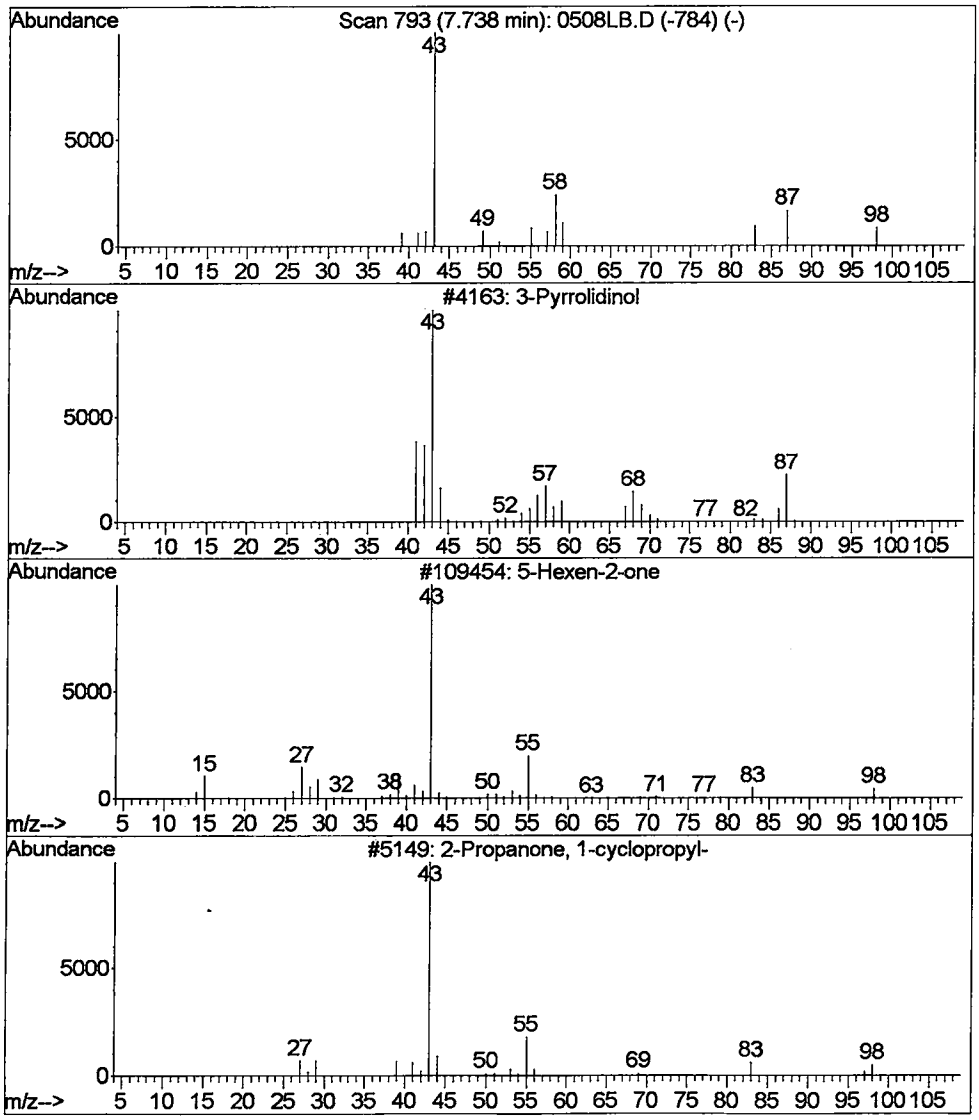
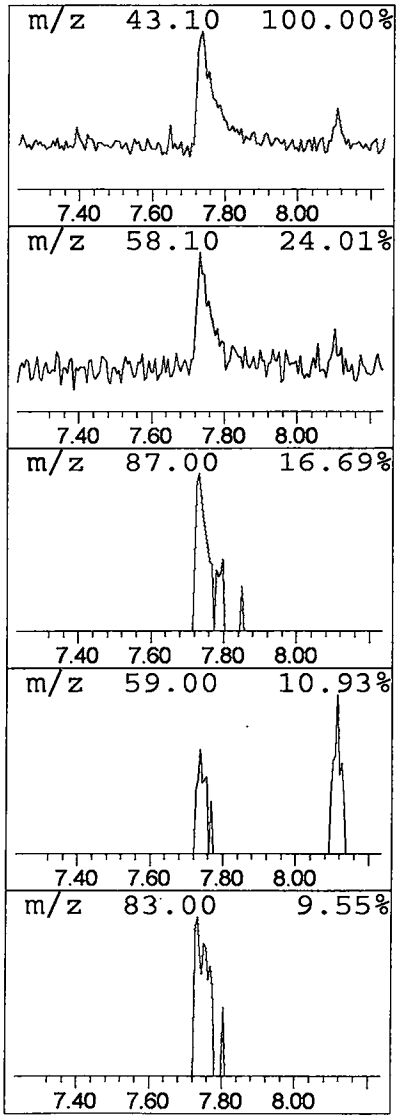
Peak Number 6 3-Pyrrolidinol Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.74 | 0.25 ug/L | 197251 | 1,4-Dichlorobenzene-d4 | 9.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Pyrrolidinol | 87 | C4H9NO | 040499-83-0 | 9 |
| 2 | 5-Hexen-2-one | 98 | C6H10O | 000109-49-9 | 9 |
| 3 | 2-Propanone, 1-cyclopropyl- | 98 | C6H10O | 004160-75-2 | 9 |
| 4 | Acetone | 58 | C3H6O | 000067-64-1 | 7 |



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Acq On : 9 May 2002 5:43 pm  Operator: Mclean
Sample : 5/8 kb  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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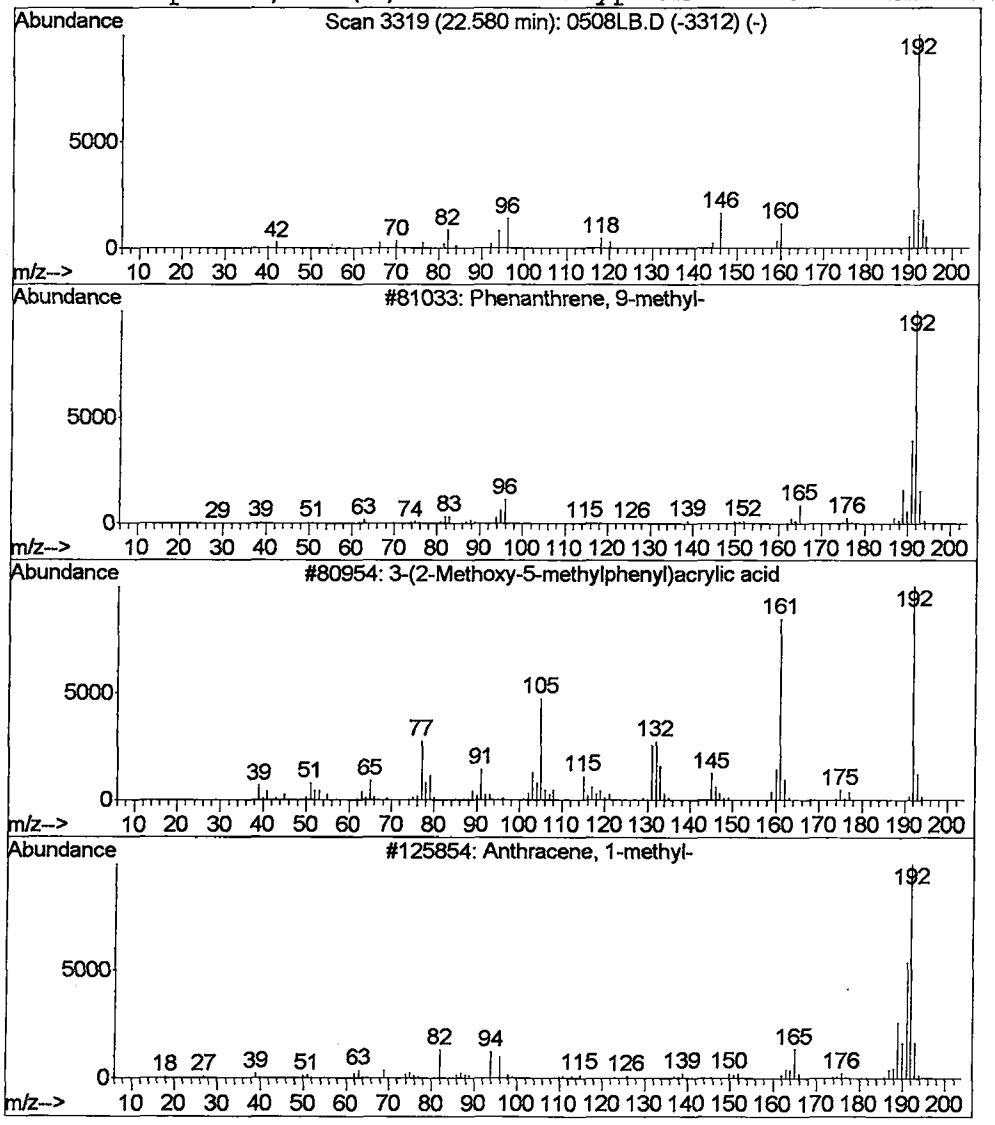
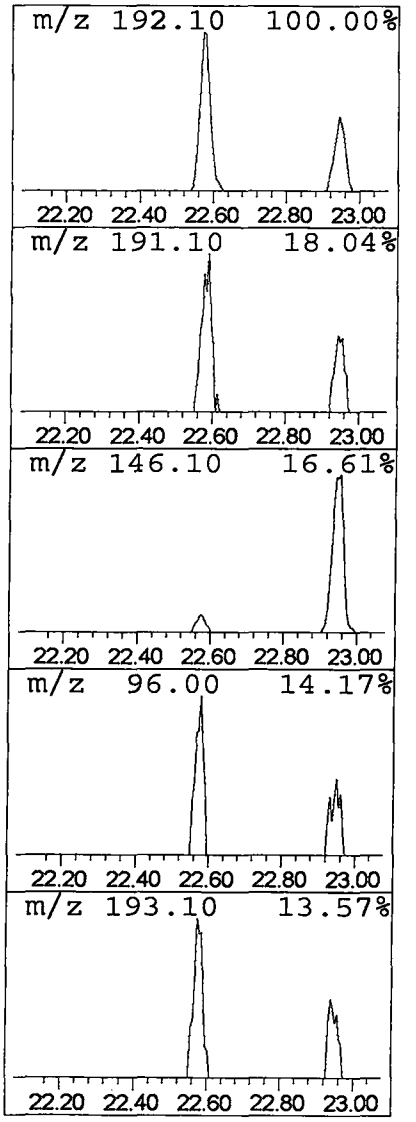
Peak Number 7 Phenanthrene, 9-methyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.58 | 0.25 ug/L | 280257 | Phenanthranene-d10 | 22.95 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 9-methyl- | 192 | C15H12 | 000883-20-5 | 45 |
| 2 | 3-(2-Methoxy-5-methylphenyl)acry... | 192 | C11H12O3 | 103986-76-1 | 42 |
| 3 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 42 |
| 4 | 2-Propenal, 3-(3,4-dimethoxyphen... | 192 | C11H12O3 | 004497-40-9 | 42 |



Data File : C:\MSDCHEM\1\DATA\050902\0508LB.D  Vial: 4
Acq On : 9 May 2002 5:43 pm  Operator: Mclean
Sample : 5/8 kb  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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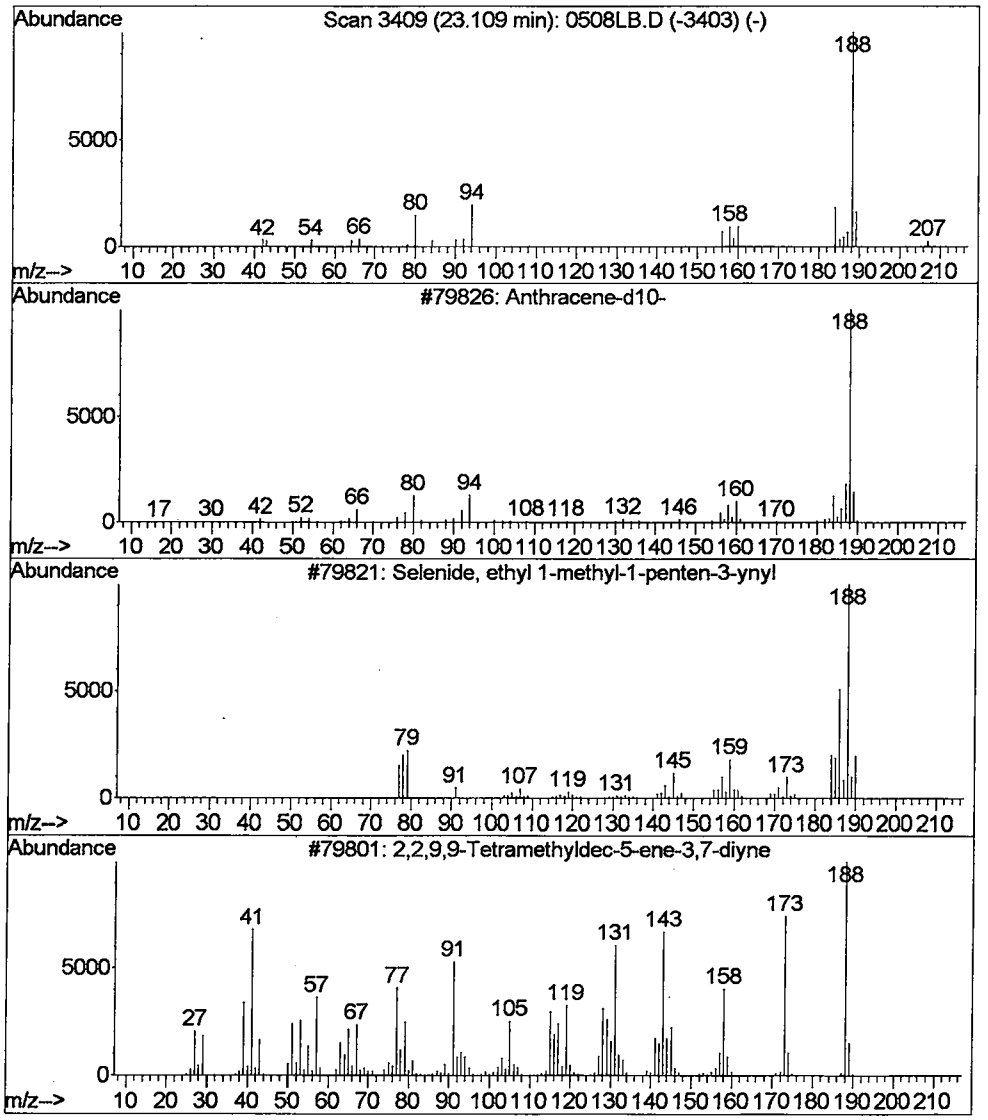
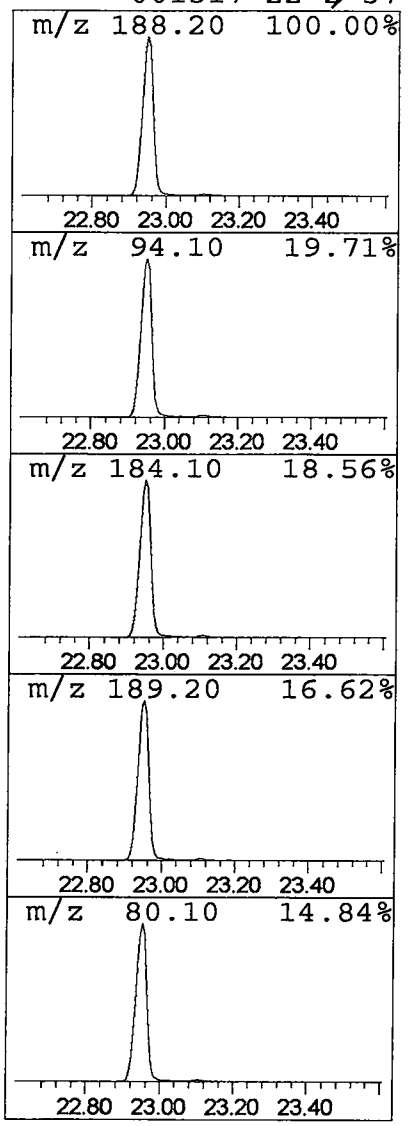
Peak Number 8 Anthracene-d10- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.11 | 0.47 ug/L | 532774 | Phenanthranene-d10 | 22.95 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene-d10- | 188 | C14D10 | 001719-06-8 | 72 |
| 2 | Selenide, ethyl 1-methyl-1-pente... | 188 | C8H12Se | 025128-48-7 | 47 |
| 3 | 2,2,9,9-Tetramethyldec-5-ene-3,7... | 188 | C14H20 | 102745-35-7 | 38 |
| 4 | Phenanthrene-d10 | 188 | C14D10 | 001517-22-2 | 37 |



Data File : C:\MSDCHEM\1\DATA\050902\0508LB.D  Vial: 4
Acq On : 9 May 2002 5:43 pm  Operator: Mclean
Sample : 5/8 kb  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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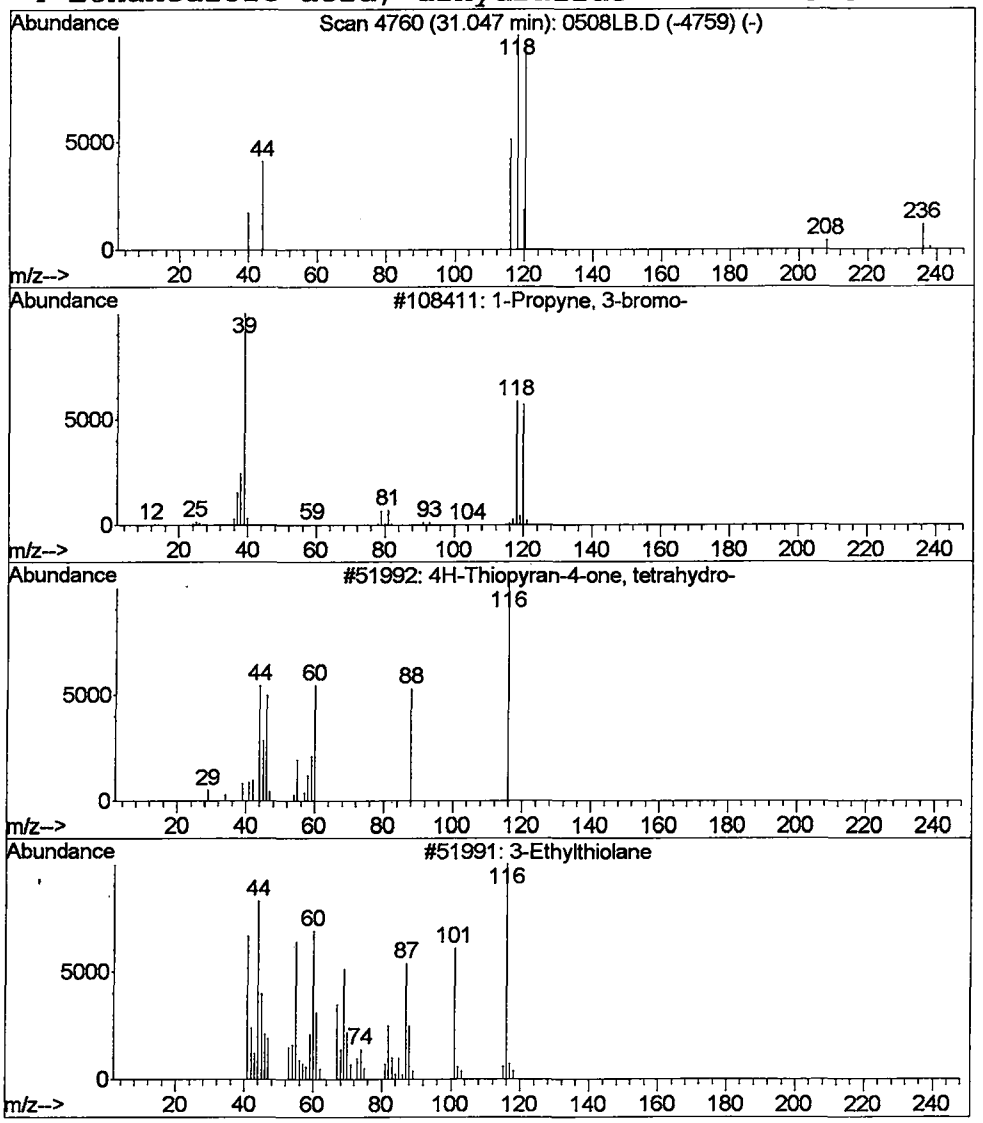
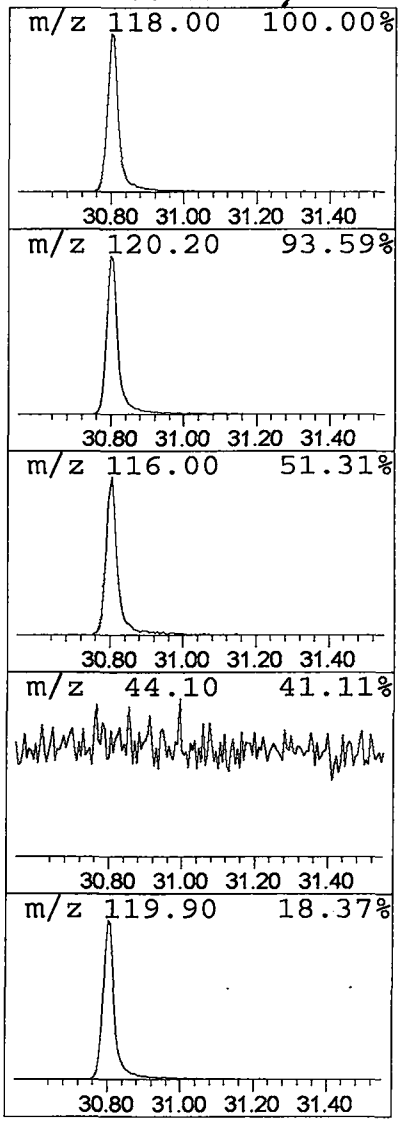
Peak Number 9 1-Propyne, 3-bromo- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 31.05 | 0.22 ug/L | 201007 | Chrysene-d12 | 30.81 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Propyne, 3-bromo- | 118 | C3H3Br | 000106-96-7 | 5 |
| 2 | 4H-Thiopyran-4-one, tetrahydro- | 116 | C5H8OS | 001072-72-6 | 5 |
| 3 | 3-Ethylthiolane | 116 | C6H12S | 1000215-08-2 | 4 |
| 4 | Ethanedioic acid, dihydrazide | 118 | C2H6N4O2 | 000996-98-5 | 4 |



Data File : C:\MSDCHEM\1\DATA\050902\0508LB.D Vial: 4
Acq On : 9 May 2002 5:43 pm Operator: Mclean
Sample : 5/8 kb 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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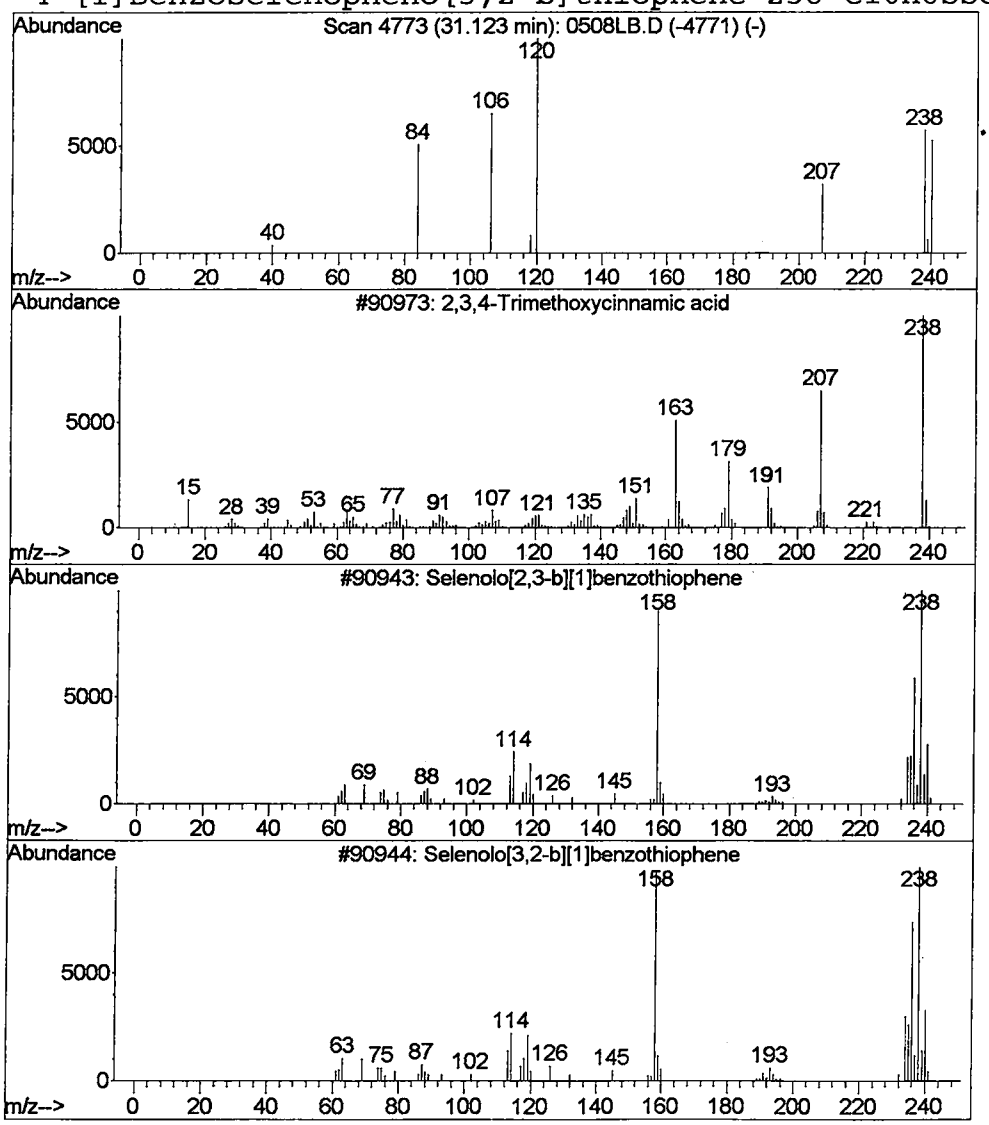
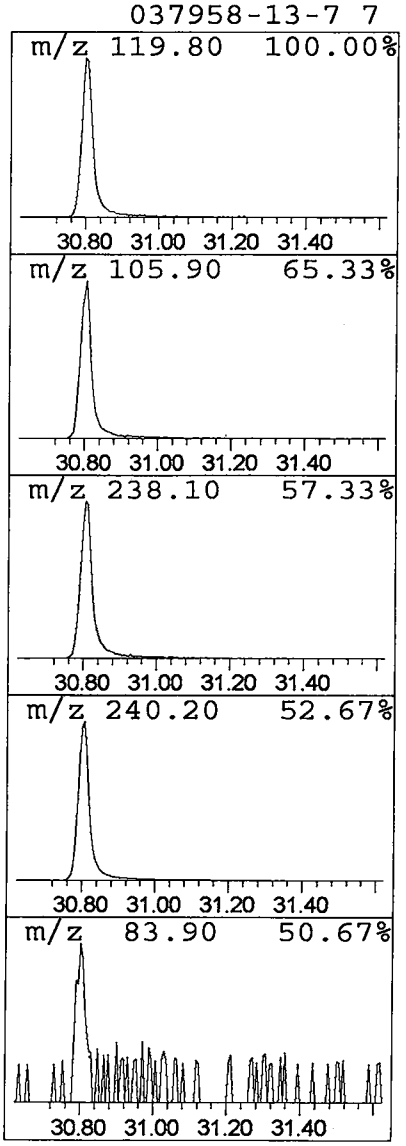
Peak Number 10 2,3,4-Trimethoxycinnamic acid Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 31.12 | 0.20 ug/L | 184668 | Chrysene-d12 | 30.81 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,3,4-Trimethoxycinnamic acid | 238 | C12H14O5 | 033130-03-9 | 9 |
| 2 | Selenolo[2,3-b][1]benzothiophene | 238 | C10H6SSe | 040197-95-3 | 7 |
| 3 | Selenolo[3,2-b][1]benzothiophene | 238 | C10H6SSe | 040197-98-6 | 7 |
| 4 | [1]Benzoselenopheno[3,2-b]thiophene | 238 | C10H6SSe | 037958-13-7 | 7 |



Data File : C:\MSDCHEM\1\DATA\050902\0508LB.D  Vial: 4
Acq On : 9 May 2002 5:43 pm  Operator: Mclean
Sample : 5/8 kb  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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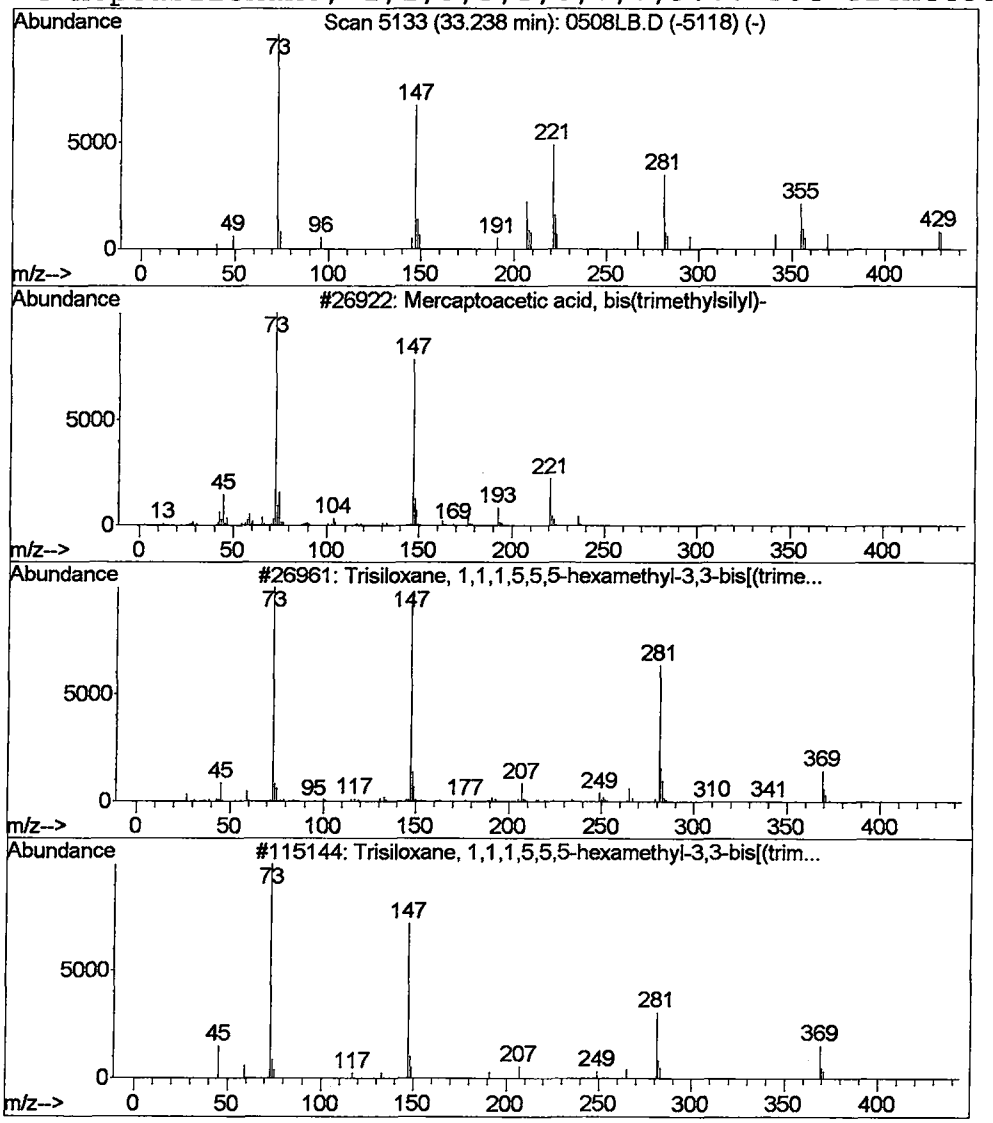
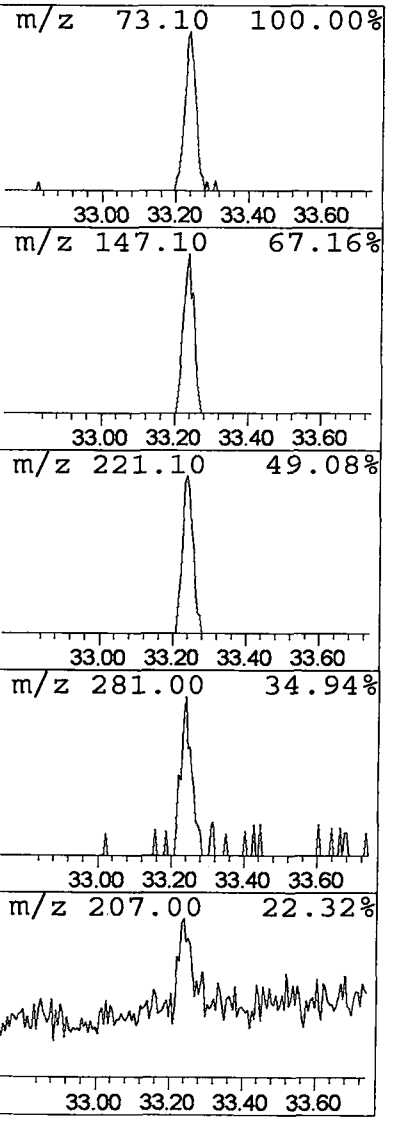
Peak Number 11 Mercaptoacetic acid, bis(tr... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 33.24 | 0.41 ug/L | 267653 | Perylene-d12 | 34.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Mercaptoacetic acid, bis(trimeth... | 236 | C8H20O2SSi2 | 006398-62-5 | 43 |
| 2 | Trisiloxane, 1,1,1,5,5,5-hexamet... | 384 | C12H36O4Si5 | 003555-47-3 | 35 |
| 3 | Trisiloxane, 1,1,1,5,5,5-hexamet... | 384 | C12H36O4Si5 | 003555-47-3 | 25 |
| 4 | Heptasiloxane, 1,1,3,3,5,5,7,7,9... | 504 | C14H44O6Si7 | 019095-23-9 | 16 |



Data File : C:\MSDCHEM\1\DATA\050902\0508LB.D  Vial: 4
Acq On : 9 May 2002 5:43 pm  Operator: Mclean
Sample : 5/8 kb  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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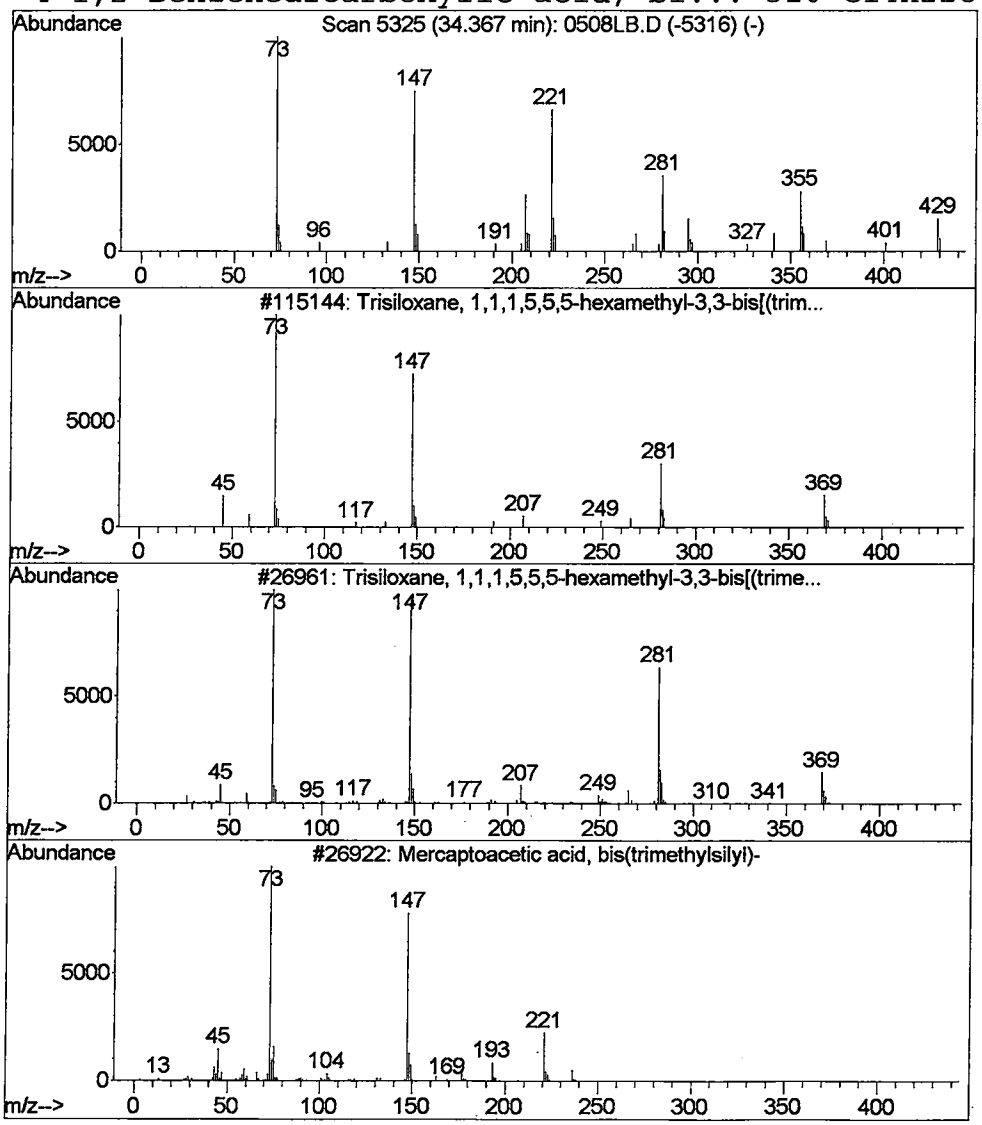
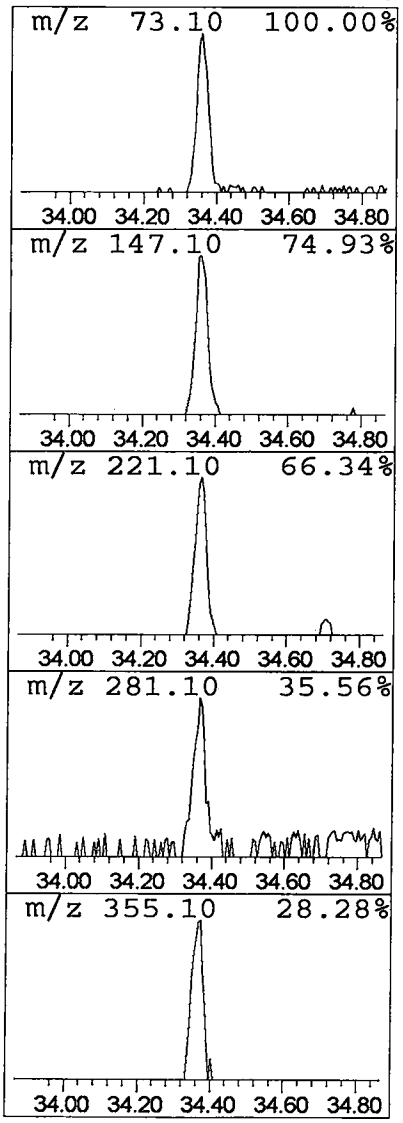
Peak Number 12 Trisiloxane, 1,1,1,5,5,5-he... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 34.37 | 0.89 ug/L | 573160 | 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 | 38 |
| 2 | Trisiloxane, 1,1,1,5,5,5-hexamet... | 384 | C12H36O4Si5 | 003555-47-3 | 38 |
| 3 | Mercaptoacetic acid, bis(trimeth... | 236 | C8H20O2SSi2 | 006398-62-5 | 37 |
| 4 | 1,2-Benzenedicarboxylic acid, bi... | 310 | C14H22O4Si2 | 002078-22-0 | 35 |



Data File : C:\MSDCHEM\1\DATA\050902\0508LB.D  Vial: 4
Acq On : 9 May 2002 5:43 pm  Operator: Mclean
Sample : 5/8 kb  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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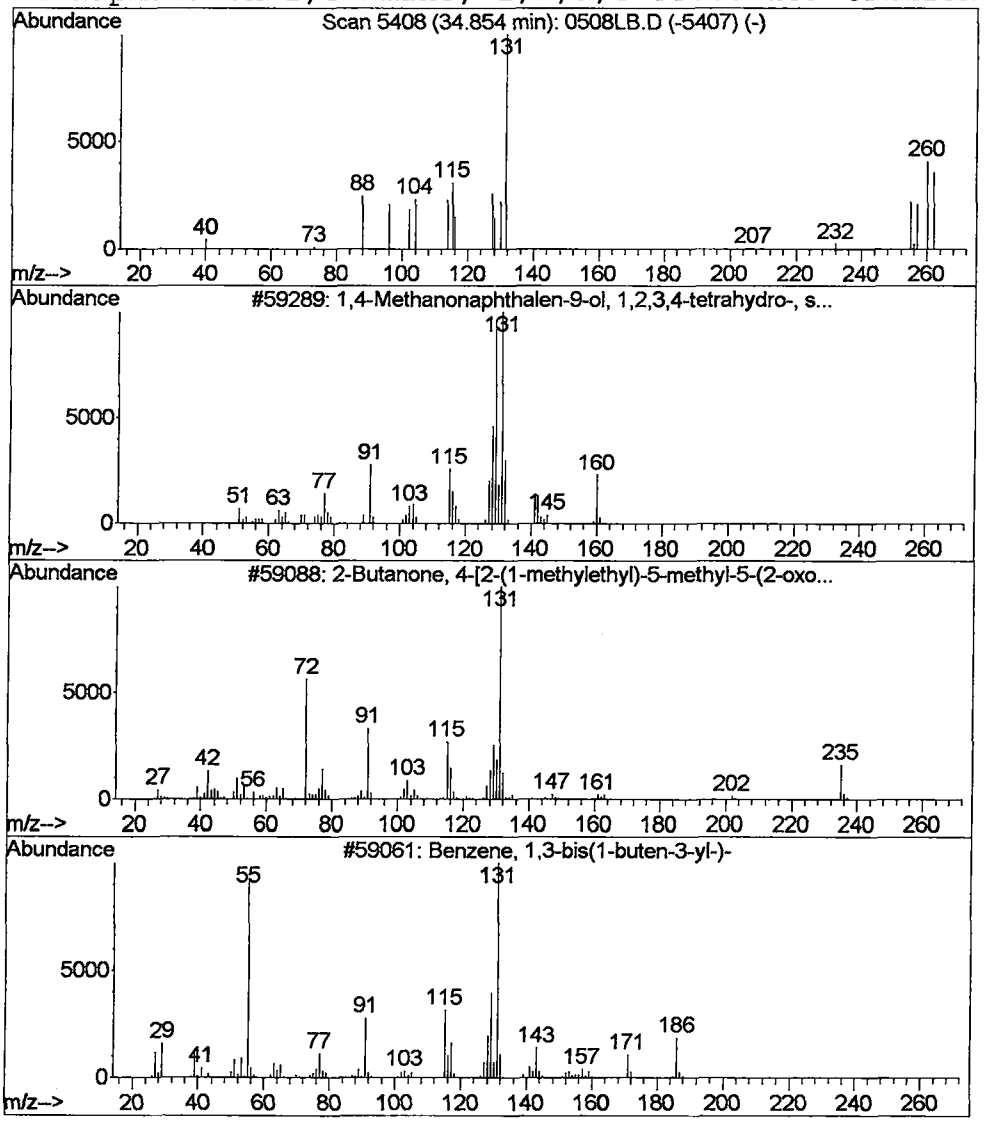
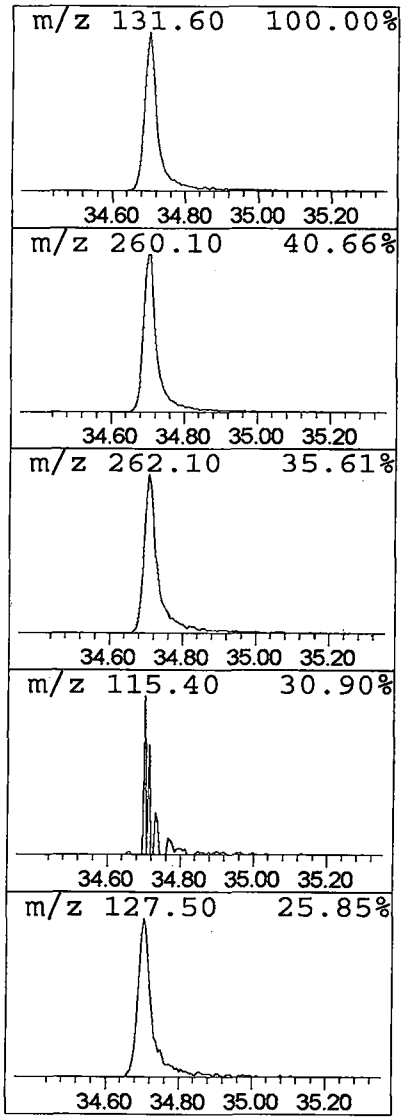
Peak Number 13 1,4-Methanonaphthalen-9-ol,... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 34.85 | 1.56 ug/L | 1004000 | Perylene-d12 | 34.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,4-Methanonaphthalen-9-ol, 1,2,... | 160 | C11H12O | 013999-10-5 | 17 |
| 2 | 2-Butanone, 4-[2-(1-methylethyl)... | 235 | C13H17NOS | 1000197-43-1 | 12 |
| 3 | Benzene, 1,3-bis(1-buten-3-yl-)- | 186 | C14H18 | 1000159-90-9 | 9 |
| 4 | Naphthalen-1,4-imine, 1,2,3,4-te... | 159 | C11H13N | 055257-99-3 | 9 |



Data File : C:\MSDCHEM\1\DATA\050902\0508LB.D  Vial: 4
Acq On : 9 May 2002 5:43 pm  Operator: Mclean
Sample : 5/8 kb  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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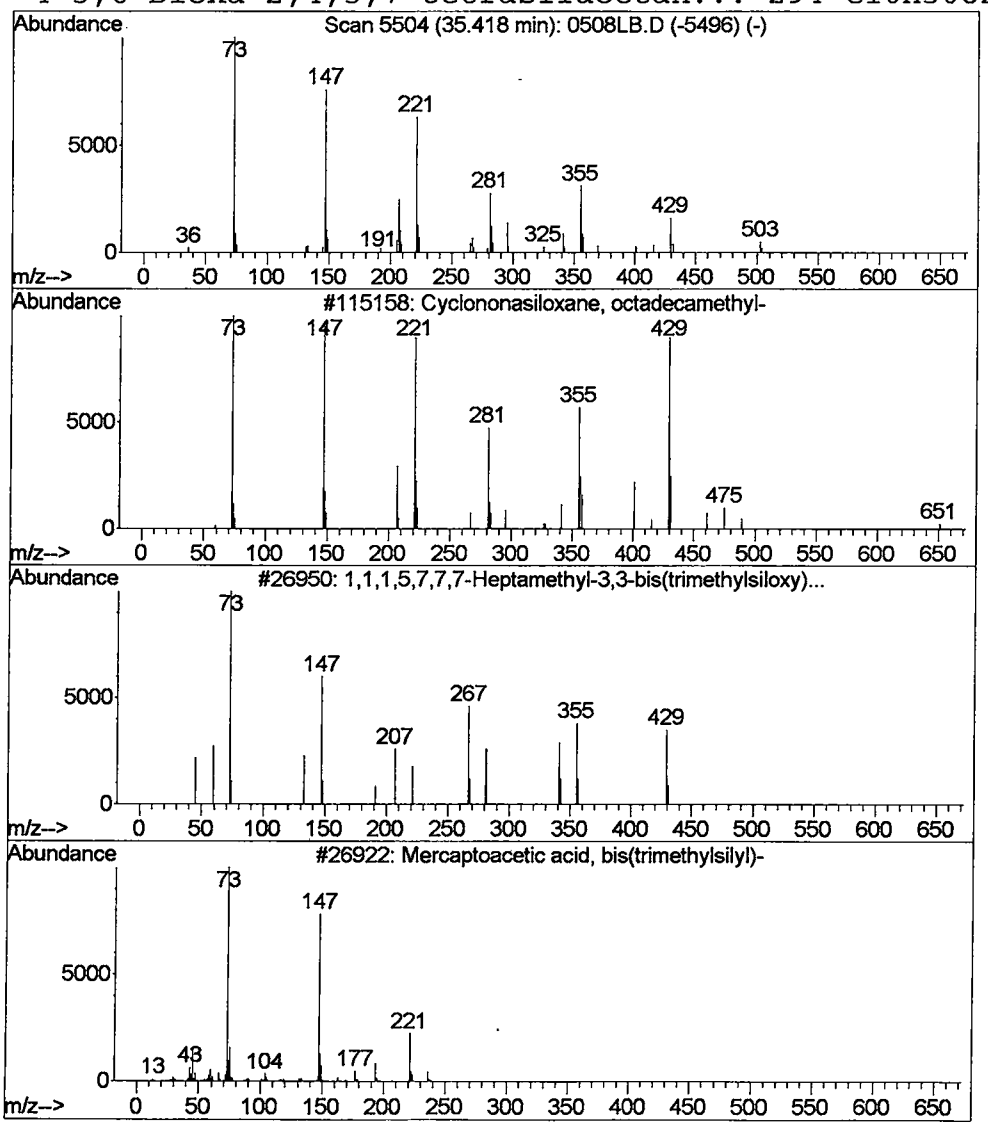
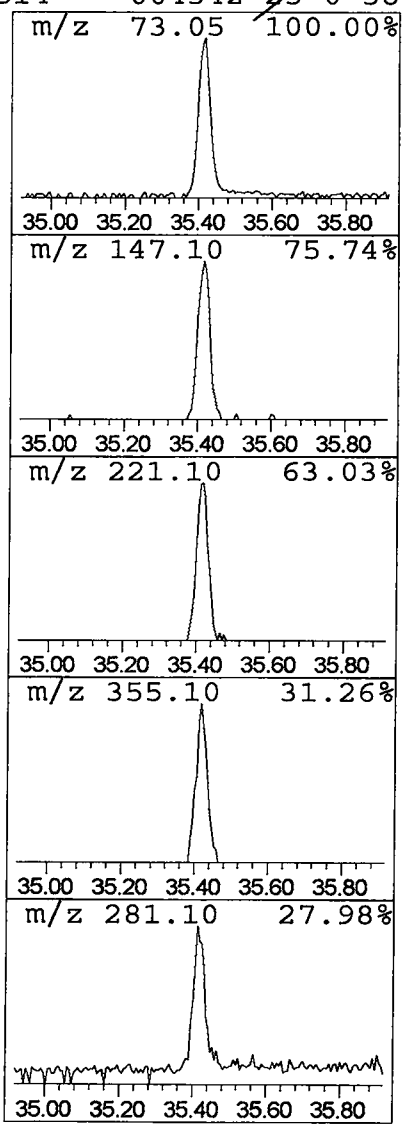
Peak Number 14 Cyclononasiloxane, octadeca... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 35.42 | 1.42 ug/L | 919085 | Perylene-d12 | 34.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclononasiloxane, octadecamethyl- | 666 | C18H54O9Si9 | 000556-71-8 | 80 |
| 2 | 1,1,1,5,7,7,7-Heptamethyl-3,3-bi... | 444 | C13H40O5Si6 | 038147-00-1 | 45 |
| 3 | Mercaptoacetic acid, bis(trimeth... | 236 | C8H20O2SSi2 | 006398-62-5 | 38 |
| 4 | 3,6-Dioxa-2,4,5,7-tetrasilaoctan... | 294 | C10H30O2Si4 | 004342-25-0 | 38 |



Data File : C:\MSDCHEM\1\DATA\050902\0508LB.D
Acq On : 9 May 2002 5:43 pm
Sample : 5/8 kb
Misc :
MS Integration Params: LSCINT.e

Vial: 4
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

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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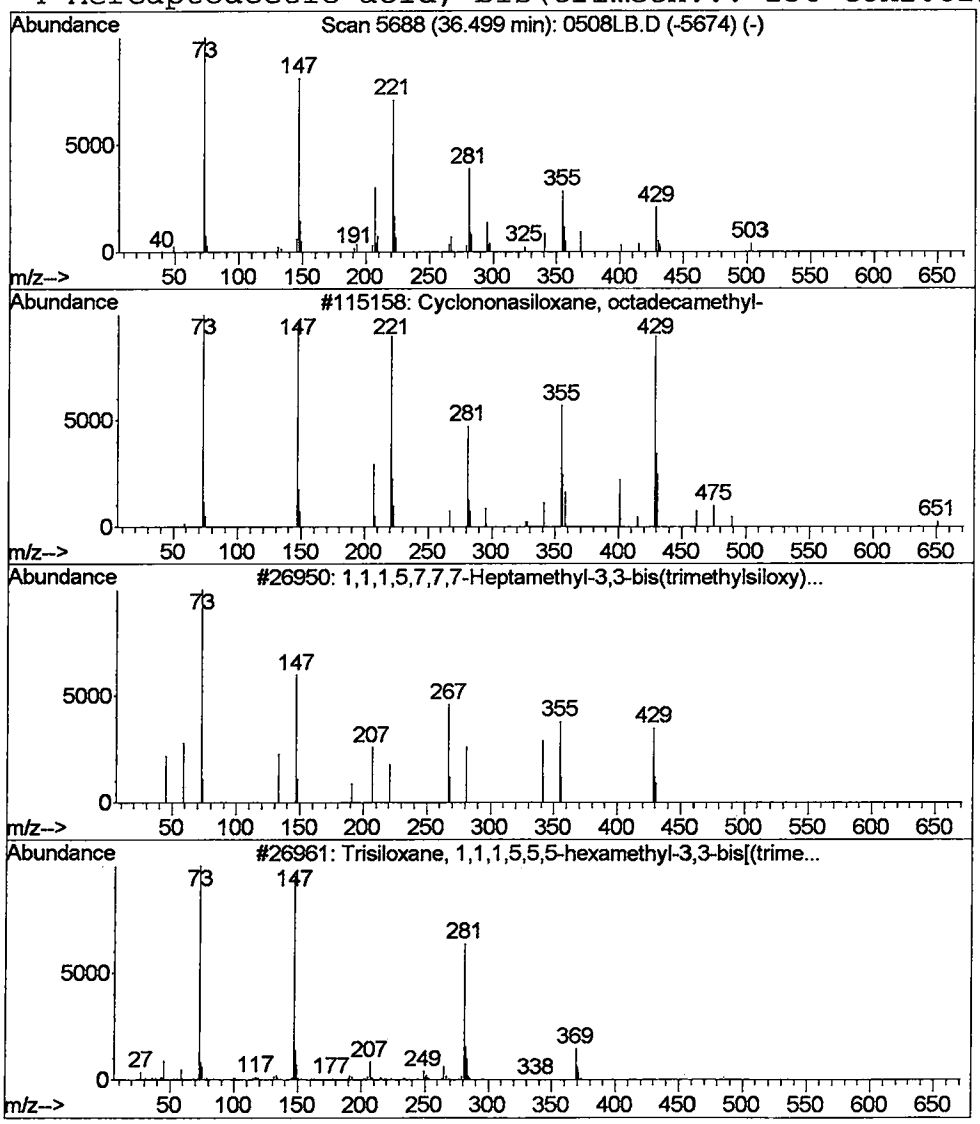
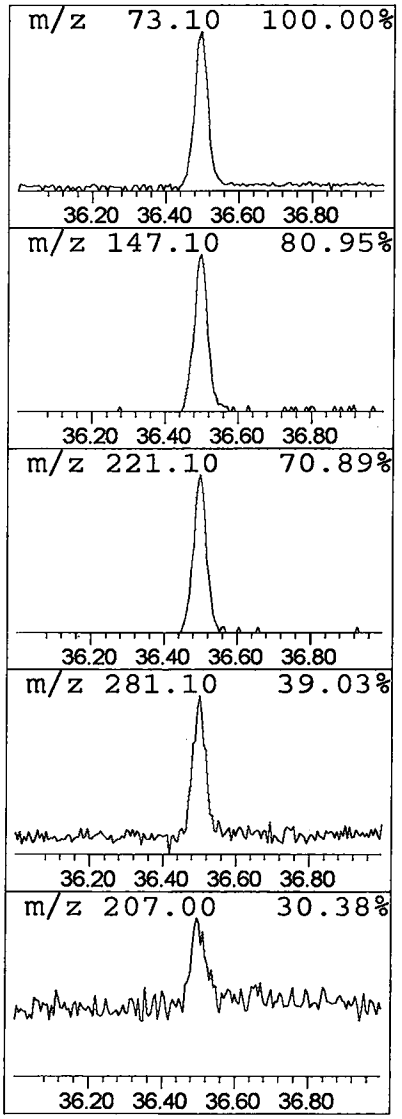
Peak Number 15 Cyclononasiloxane, octadeca... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 36.50 | 1.60 ug/L | 1032610 | Perylene-d12 | 34.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclononasiloxane, octadecamethyl- | 666 | C18H54O9Si9 | 000556-71-8 | 87 |
| 2 | 1,1,1,5,7,7,7-Heptamethyl-3,3-bi... | 444 | C13H40O5Si6 | 038147-00-1 | 53 |
| 3 | Trisiloxane, 1,1,1,5,5,5-hexamet... | 384 | C12H36O4Si5 | 003555-47-3 | 43 |
| 4 | Mercaptoacetic acid, bis(trimeth... | 236 | C8H20O2SSi2 | 006398-62-5 | 32 |



Data File : C:\MSDCHEM\1\DATA\050902\0508LB.D Vial: 4
Acq On : 9 May 2002 5:43 pm Operator: Mclean
Sample : 5/8 kb 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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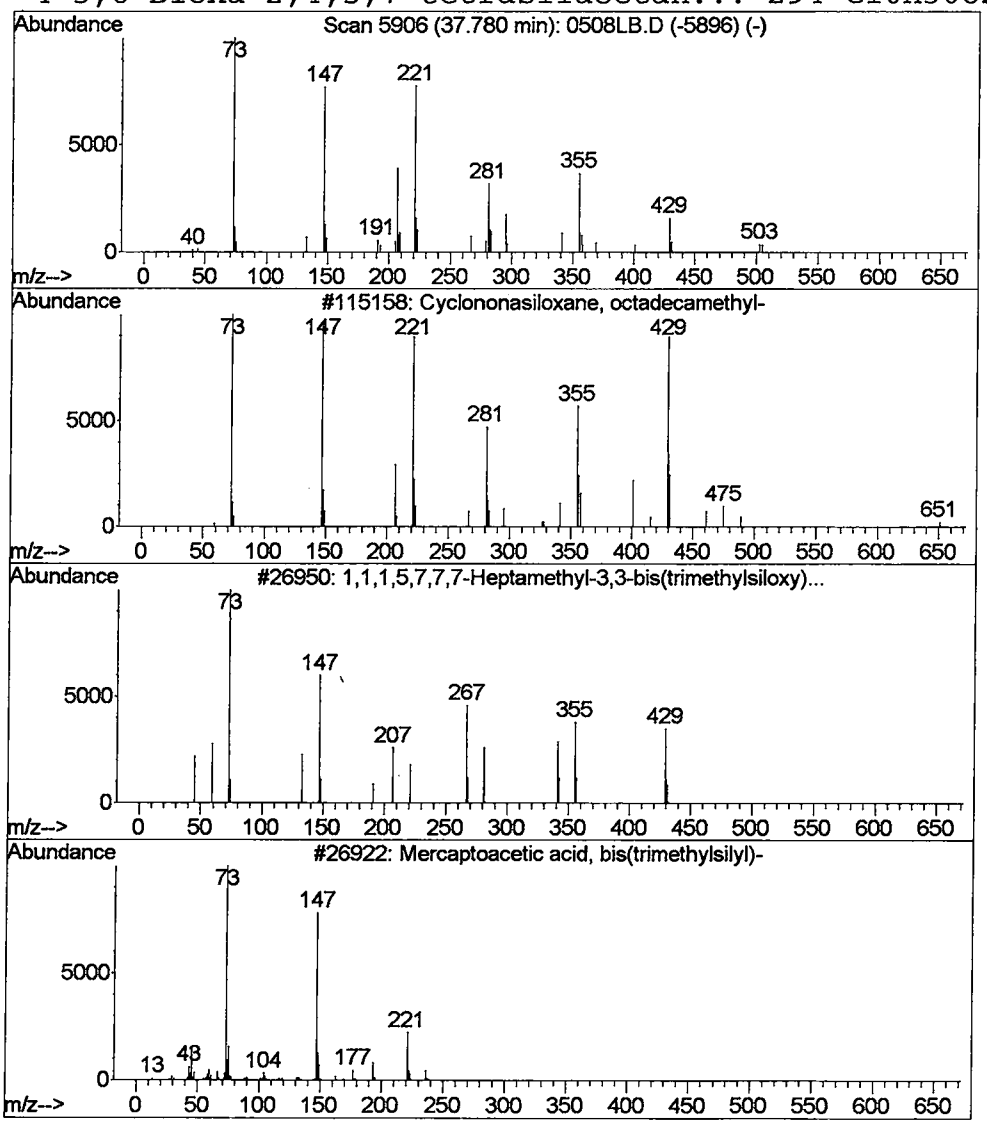
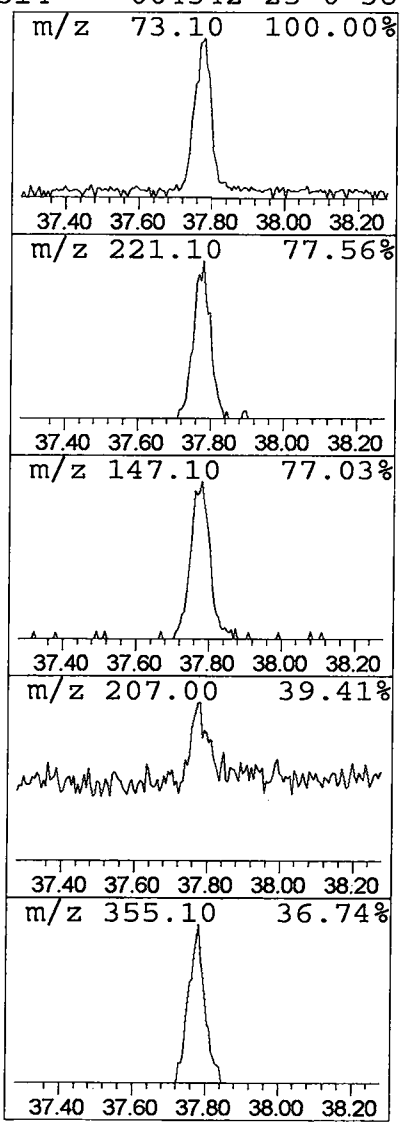
Peak Number 16 Cyclononasiloxane, octadeca... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 37.78 | 1.46 ug/L | 943440 | Perylene-d12 | 34.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclononasiloxane, octadecamethyl- | 666 | C18H54O9Si9 | 000556-71-8 | 64 |
| 2 | 1,1,1,5,7,7,7-Heptamethyl-3,3-bi... | 444 | C13H40O5Si6 | 038147-00-1 | 45 |
| 3 | Mercaptoacetic acid, bis(trimeth... | 236 | C8H20O2SSi2 | 006398-62-5 | 38 |
| 4 | 3,6-Dioxa-2,4,5,7-tetrasilaoctan... | 294 | C10H30O2Si4 | 004342-25-0 | 38 |



Data File : C:\MSDCHEM\1\DATA\050902\0508LB.D Vial: 4
Acq On : 9 May 2002 5:43 pm Operator: Mclean
Sample : 5/8 kb 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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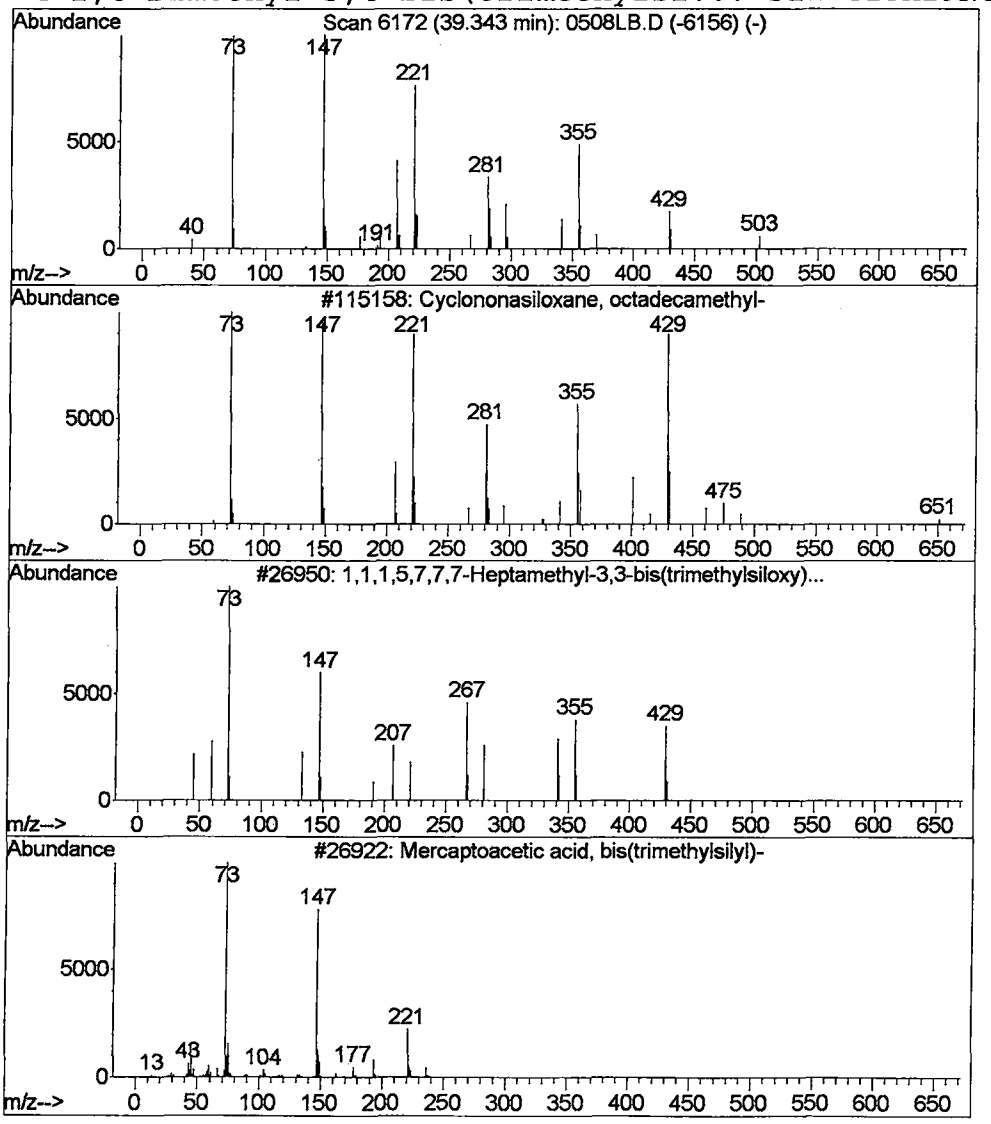
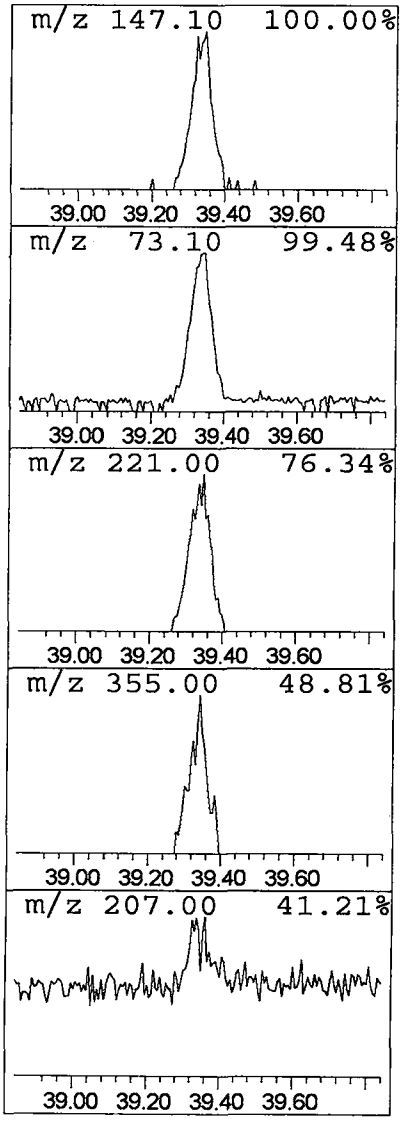
Peak Number 17 Cyclononasiloxane, octadeca... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 39.34 | 0.99 ug/L | 637888 | Perylene-d12 | 34.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclononasiloxane, octadecamethyl- | 666 | C18H54O9Si9 | 000556-71-8 | 59 |
| 2 | 1,1,1,5,7,7,7-Heptamethyl-3,3-bi... | 444 | C13H40O5Si6 | 038147-00-1 | 25 |
| 3 | Mercaptoacetic acid, bis(trimeth... | 236 | C8H20O2SSi2 | 006398-62-5 | 23 |
| 4 | 2,6-Dimethyl-3,4-bis(trimethylsi... | 311 | C15H29NO2Si2 | 1000079-52-1 | 12 |



Operator ID: Mclean Date Acquired: 9 May 2002 5:43 pm
Data File: C:\MSDCHEM\1\DATA\050902\0508LB.D
Name: 5/8 kb
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 |
|---|---|---|---|---|---|---|---|---|
| Methylene Chloride | 3.73 | 0.3 | ug/L | 208158 | 1 | 9.94 | 31995000 | 40.0 |
| Silacyclopentane | 3.76 | 0.2 | ug/L | 182629 | 1 | 9.94 | 31995000 | 40.0 |
| 2-Pentene, 2,3-di... | 5.03 | 0.3 | ug/L | 201773 | 1 | 9.94 | 31995000 | 40.0 |
| Cyclotrisiloxane,... | 5.42 | 0.2 | ug/L | 169383 | 1 | 9.94 | 31995000 | 40.0 |
| 2-Pentanone, 4-hy... | 5.97 | 14.7 | ug/L | 11744100 | 1 | 9.94 | 31995000 | 40.0 |
| 3-Pyrrolidinol | 7.74 | 0.2 | ug/L | 197251 | 1 | 9.94 | 31995000 | 40.0 |
| Phenanthrene, 9-m... | 22.58 | 0.2 | ug/L | 280257 | 4 | 22.95 | 44873900 | 40.0 |
| Anthracene-d10- | 23.11 | 0.5 | ug/L | 532774 | 4 | 22.95 | 44873900 | 40.0 |
| 1-Propyne, 3-bromo- | 31.05 | 0.2 | ug/L | 201007 | 5 | 30.81 | 36193300 | 40.0 |
| 2,3,4-Trimethoxyc... | 31.12 | 0.2 | ug/L | 184668 | 5 | 30.81 | 36193300 | 40.0 |
| Mercaptoacetic ac... | 33.24 | 0.4 | ug/L | 267653 | 6 | 34.70 | 25825800 | 40.0 |
| Trisiloxane, 1,1,... | 34.37 | 0.9 | ug/L | 573160 | 6 | 34.70 | 25825800 | 40.0 |
| 1,4-Methanonaphth... | 34.85 | 1.6 | ug/L | 1004000 | 6 | 34.70 | 25825800 | 40.0 |
| Cyclononasiloxane... | 35.42 | 1.4 | ug/L | 919085 | 6 | 34.70 | 25825800 | 40.0 |
| Cyclononasiloxane... | 36.50 | 1.6 | ug/L | 1032610 | 6 | 34.70 | 25825800 | 40.0 |
| Cyclononasiloxane... | 37.78 | 1.5 | ug/L | 943440 | 6 | 34.70 | 25825800 | 40.0 |
| Cyclononasiloxane... | 39.34 | 1.0 | ug/L | 637888 | 6 | 34.70 | 25825800 | 40.0 |