User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 03/22/2002 Time: 12:22:22

Sample: AE02338
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 3/22/02 12:21 Ended: 3/22/02 12:21 Analyst: DLV
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | Other unknown compounds | | . | | |
| 2 | Surr_2,4-DDD | | 91 | | 5.0 |

**Comments for Sample AE02338 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 03-22-2002 Time: 12:22:25

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\030402\2338.D Vial: 10
Acq On : 4 Mar 2002 5:38 pm Operator: McLean
Sample : 1/31 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 18 08:00:30 2002 Quant Results File: 5080302.RES

Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Thu Mar 14 13:02:27 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 9.58 | 150 | 1592729 | 20.00 | ug/L | 0.03 |
| 10) Naphthalene-d8 | 13.05 | 136 | 4057333 | 20.00 | ug/L | 0.03 |
| 17) Acenaphthene-d10 | 18.17 | 164 | 2284966 | 20.00 | ug/L | 0.03 |
| 29) Phenanthrene-d10 | 22.52 | 188 | 3548163 | 20.00 | ug/L | 0.03 |
| 38) Chrysene-d12 | 30.34 | 240 | 3115698 | 20.00 | ug/L | 0.02 |
| 44) Perylene-d12 | 34.21 | 264 | 1913423 | 20.00 | ug/L | 0.03 |
| **System Monitoring Compounds** | | | | | | |
| 37) 2,4-ddd surr | 27.46 | 235 | 193593 | 4.57 | ug/L | 0.03 |
| Spiked Amount 5.000 | | | Recovery = 91.40% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) N-nitroso-dimethyl amine | 0.00 | 74 | 0 | N.D. | d | |
| 3) bis(2-chloroethyl) ether | 0.00 | 93 | 0 | N.D. | | |
| 4) 1,3 - Dichlorobenze | 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-Chloropr | 0.00 | 45 | 0 | N.D. | | |
| 8) N-Nitroso-di-n-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) Naphthalene | 0.00 | 128 | 0 | N.D. | | |
| 16) Hexachlorobutadiene | 0.00 | 225 | 0 | N.D. | | |
| 18) Hexachlorocyclopentadiene | 0.00 | 237 | 0 | N.D. | | |
| 19) 2-chloronaphthalene | 0.00 | 162 | 0 | N.D. | | |
| 20) Dimethylphthalate | 0.00 | 163 | 0 | N.D. | | |
| 21) 2,6-Dinitrotoluene | 0.00 | 165 | 0 | N.D. | d | |
| 22) Acenaphthylene | 0.00 | 152 | 0 | N.D. | | |
| 23) Acenaphthene | 0.00 | 153 | 0 | N.D. | | |
| 24) 2,4-Dinitrotoluene | 0.00 | 165 | 0 | N.D. | | |
| 25) Diethylphthalate | 0.00 | 149 | 0 | N.D. | | |
| 26) 4-Chlorophenyl-phenyl ethe | 0.00 | 204 | 0 | N.D. | | |
| 27) Fluorene | 0.00 | 166 | 0 | N.D. | | |
| 28) Azobenzen/ 1,2-Diphenylhyd | 0.00 | 77 | 0 | N.D. | | |
| 30) N-Nitrosodiphenylamine | 0.00 | 169 | 0 | N.D. | | |
| 31) 4-Bromophenyl-phenyl ether | 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. | d | |
| 36) Fluoranthene | 0.00 | 202 | 0 | N.D. | | |
| 39) Pyrene | 0.00 | 202 | 0 | N.D. | | |
| 40) Butylbenzylphthalate | 0.00 | 149 | 0 | N.D. | d | |
| 41) Benzo (a) antracene | 0.00 | 228 | 0 | N.D. | d | |
| 42) Bis (2-ethylhexyl) phthala | 0.00 | 149 | 0 | N.D. | d | |
| 43) Chrysene | 0.00 | 228 | 0 | N.D. | d | |
| 45) Di-n-Octylphthalate | 0.00 | 149 | 0 | N.D. | d | |
| 46) Benzo (b) fluoranthene | 0.00 | 252 | 0 | N.D. | | |

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\030402\2338.D Vial: 10
Acq On : 4 Mar 2002 5:38 pm Operator: McLean
Sample : 1/31 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 18 08:00:30 2002 Quant Results File: 5080302.RES

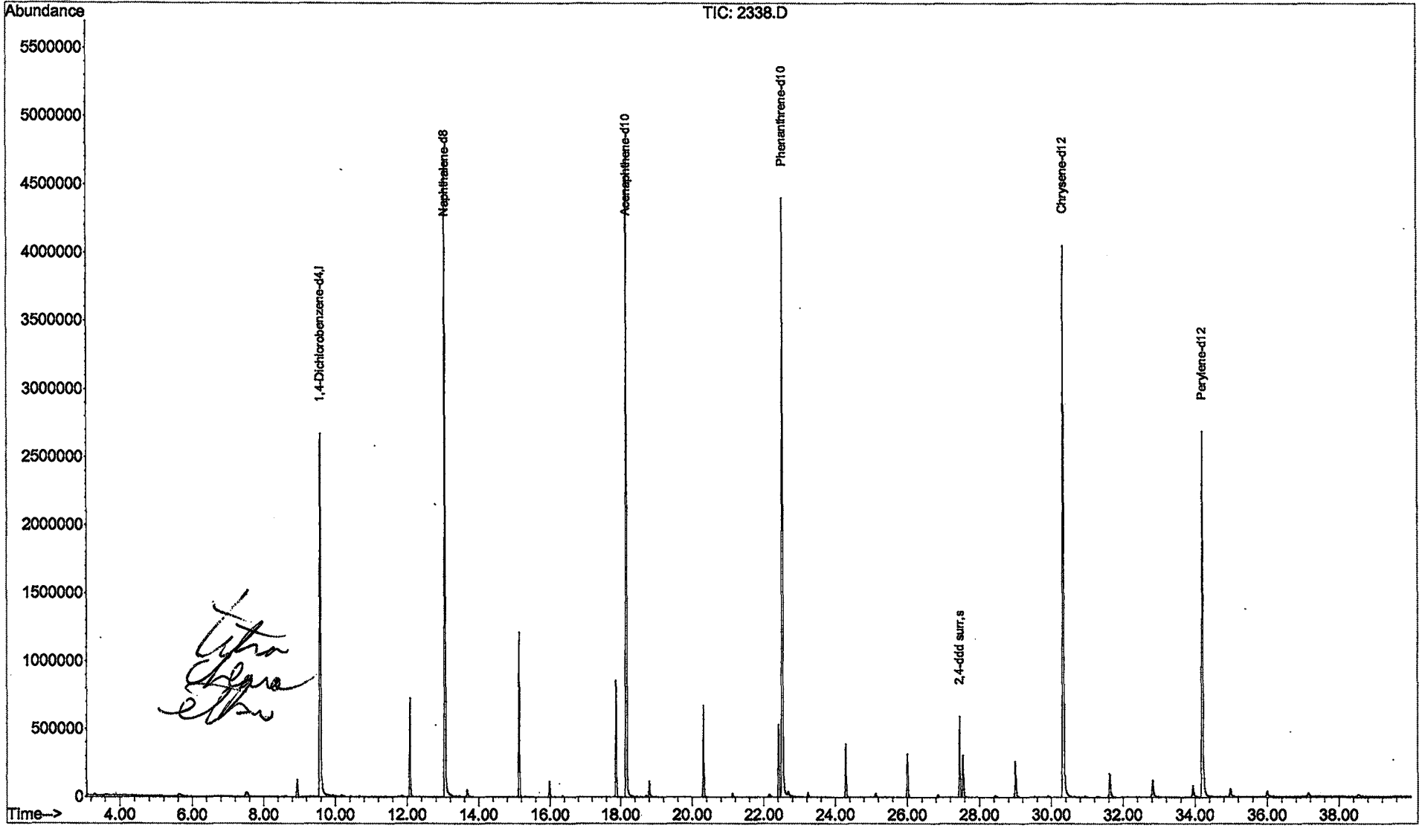
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Thu Mar 14 13:02:27 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

| Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|
| 47) Benzo (k) fluoranthene | 0.00 | 252 | 0 | N.D. | |
| 48) Benzo (a) pyrene | 0.00 | 252 | 0 | N.D. d | |
| 49) Indeno (1,2,3-cd) pyrene | 0.00 | 276 | 0 | N.D. | |
| 50) 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
2338.D 5080302.M Mon Mar 18 08:02:02 2002 Page 2

Data File : C:\MSDCHEM\1\DATA\030402\2338.D Vial: 10
Acq On : 4 Mar 2002 5:38 pm Operator: McLean
Sample : 1/31 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 18 8:01 2002 Quant Results File: 5080302.RES

Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Thu Mar 14 13:02:27 2002
Response via : Initial Calibration



# LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\030402\2338.D  Vial: 10
Acq On : 4 Mar 2002 5:38 pm  Operator: McLean
Sample : 1/31  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Smoothing : OFF  Filtering: 5
Sampling : 1  Min Area: 1 % of largest Peak
Start Thrs: 0.2  Max Peaks: 100
Stop Thrs : 0  Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

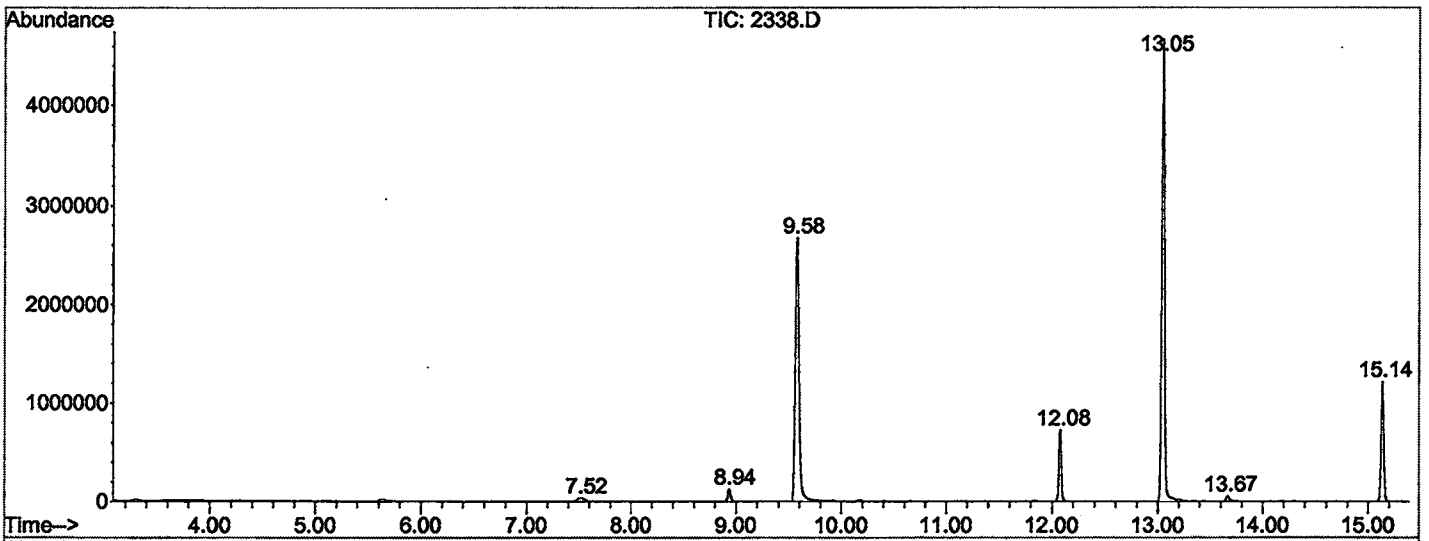
Signal : TIC

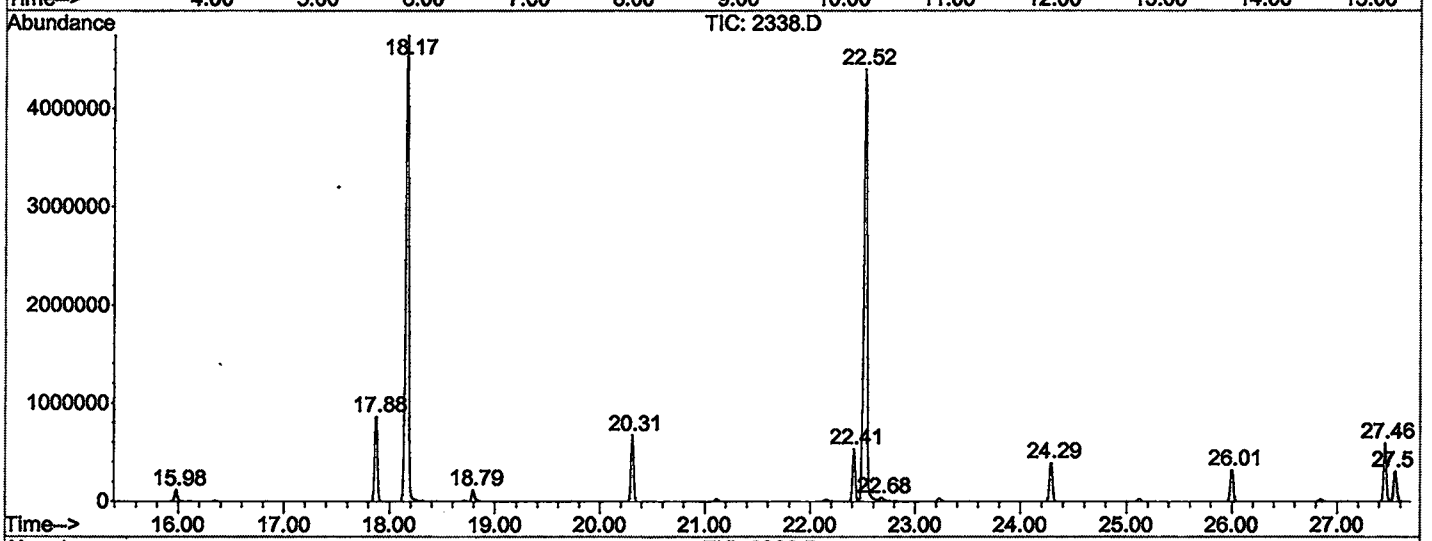
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 7.520 | 482 | 490 | 500 | rBV2 | 32256 | 136745 | 1.41% | 0.215% |
| 2 | 8.935 | 641 | 646 | 653 | rVB | 125061 | 235933 | 2.43% | 0.371% |
| 3 | 9.579 | 711 | 717 | 736 | rBV | 2669575 | 6666696 | 68.62% | 10.477% |
| 4 | 12.082 | 988 | 993 | 1003 | rVB2 | 726674 | 1237081 | 12.73% | 1.944% |
| 5 | 13.053 | 1094 | 1100 | 1114 | rBV | 4671871 | 8816297 | 90.74% | 13.855% |
| 6 | 13.670 | 1164 | 1168 | 1174 | rBV2 | 53201 | 109811 | 1.13% | 0.173% |
| 7 | 15.139 | 1325 | 1330 | 1336 | rBV | 1214514 | 2041595 | 21.01% | 3.208% |
| 8 | 15.983 | 1418 | 1423 | 1433 | rBV | 114207 | 203824 | 2.10% | 0.320% |
| 9 | 17.878 | 1626 | 1632 | 1638 | rVB | 861828 | 1550071 | 15.95% | 2.436% |
| 10 | 18.169 | 1657 | 1664 | 1674 | rBV | 4747262 | 9564724 | 98.44% | 15.031% |
| 11 | 18.794 | 1729 | 1733 | 1740 | rBV | 115090 | 208422 | 2.15% | 0.328% |
| 12 | 20.309 | 1895 | 1900 | 1907 | rBB | 672733 | 1157151 | 11.91% | 1.818% |
| 13 | 22.413 | 2127 | 2132 | 2138 | rBV | 532143 | 932276 | 9.60% | 1.465% |
| 14 | 22.522 | 2138 | 2144 | 2157 | rVV2 | 4401404 | 9715865 | 100.00% | 15.269% |
| 15 | 22.677 | 2157 | 2161 | 2172 | rVB2 | 34192 | 102451 | 1.05% | 0.161% |
| 16 | 24.291 | 2334 | 2339 | 2345 | rBB | 392201 | 716295 | 7.37% | 1.126% |
| 17 | 26.005 | 2522 | 2528 | 2534 | rBB | 318465 | 626957 | 6.45% | 0.985% |
| 18 | 27.457 | 2683 | 2688 | 2694 | rBV | 593972 | 1040103 | 10.71% | 1.635% |
| 19 | 27.556 | 2694 | 2699 | 2706 | rVB | 307120 | 643139 | 6.62% | 1.011% |
| 20 | 28.989 | 2851 | 2857 | 2868 | rBV | 263432 | 580428 | 5.97% | 0.912% |
| 21 | 30.341 | 2998 | 3006 | 3027 | rBV2 | 4055963 | 9681175 | 99.64% | 15.214% |
| 22 | 31.620 | 3141 | 3147 | 3159 | rBV | 174932 | 473087 | 4.87% | 0.743% |
| 23 | 32.817 | 3273 | 3279 | 3292 | rBV2 | 122026 | 344694 | 3.55% | 0.542% |
| 24 | 33.933 | 3397 | 3402 | 3414 | rBV | 85961 | 240803 | 2.48% | 0.378% |
| 25 | 34.214 | 3425 | 3433 | 3448 | rBV | 2692794 | 6334277 | 65.20% | 9.954% |
| 26 | 34.985 | 3513 | 3518 | 3526 | rBV2 | 57676 | 158094 | 1.63% | 0.248% |
| 27 | 36.001 | 3621 | 3630 | 3636 | rBV2 | 42103 | 114918 | 1.18% | 0.181% |

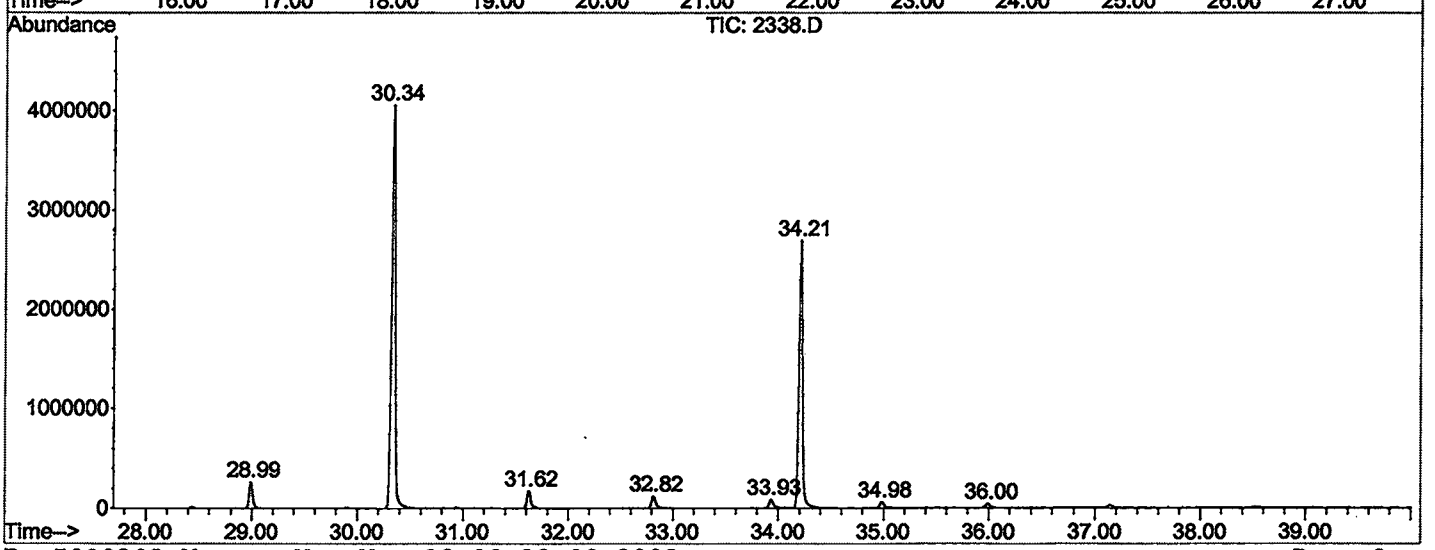
Sum of corrected areas: 63632912

# LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\030402\2338.D
Operator : McLean
Acquired : 4 Mar 2002 5:38 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 1/31
Misc Info :
Vial Number: 10
Quant File :5080302.RES (RTE Integrator)



# Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\030402\2338.D  Vial: 10
Acq On : 4 Mar 2002 5:38 pm  Operator: McLean
Sample : 1/31  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

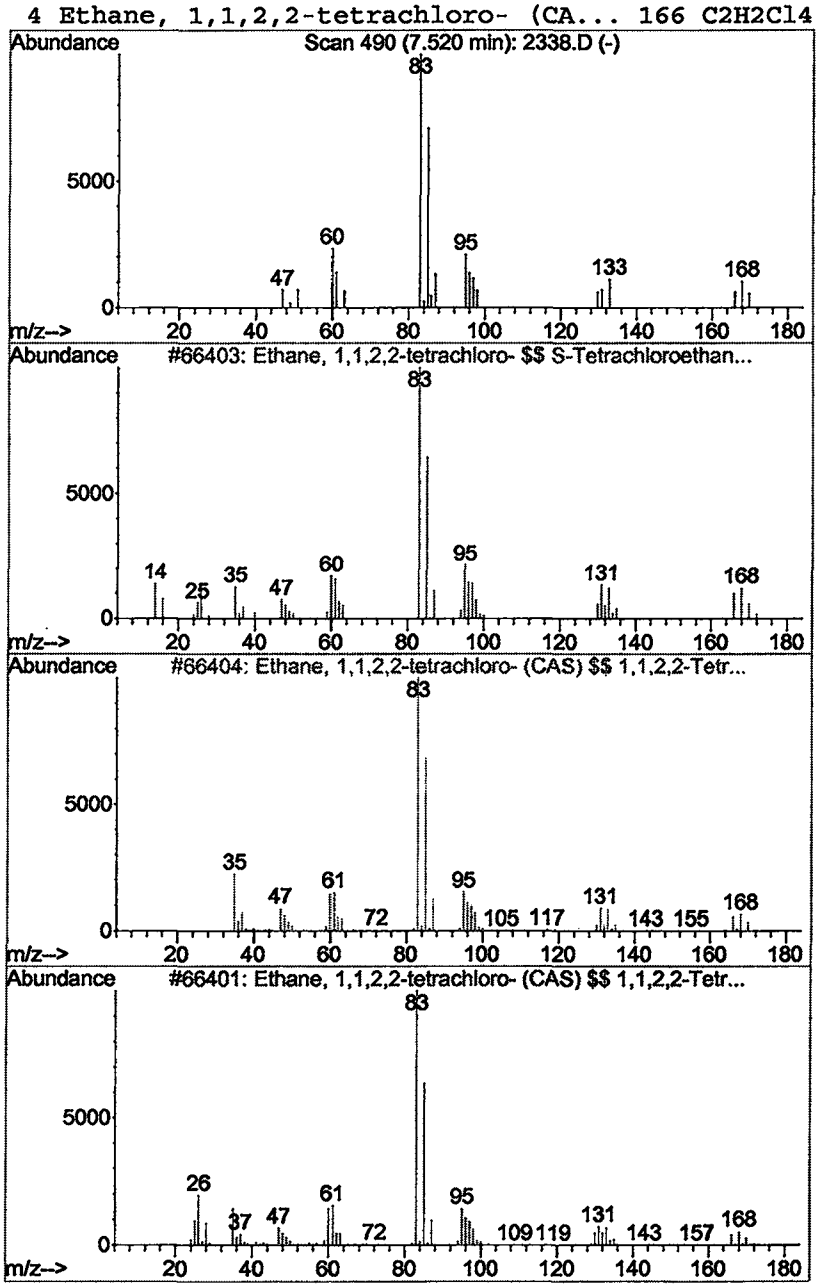
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

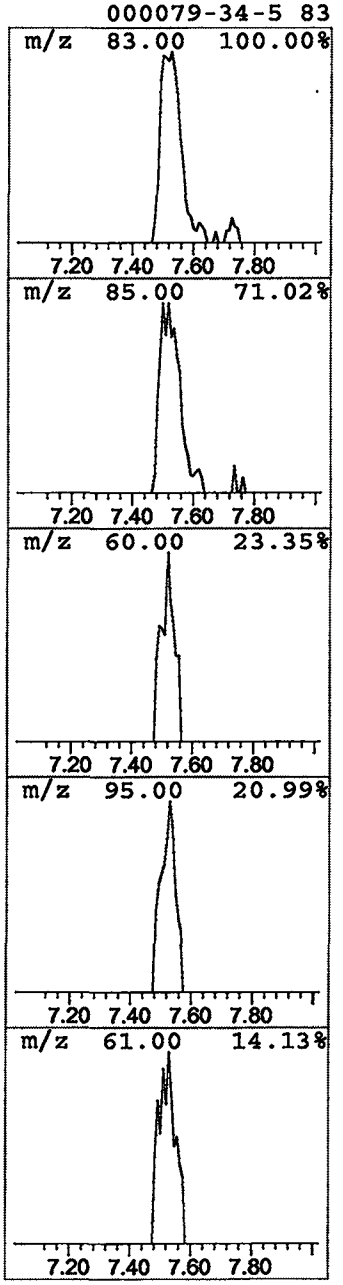
**********

Peak Number 1 Ethane, 1,1,2,2-tetrachloro... Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.52 | 0.41 ug/L | 136745 | 1,4-Dichlorobenzene-d4 | 9.58 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethane, 1,1,2,2-tetrachloro- $$ ... | 166 | C2H2Cl4 | 000079-34-5 | 93 |
| 2 | Ethane, 1,1,2,2-tetrachloro- (CA... | 166 | C2H2Cl4 | 000079-34-5 | 90 |
| 3 | Ethane, 1,1,2,2-tetrachloro- (CA... | 166 | C2H2Cl4 | 000079-34-5 | 87 |
| 4 | Ethane, 1,1,2,2-tetrachloro- (CA... | 166 | C2H2Cl4 | 000079-34-5 | 83 |



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\030402\2338.D  Vial: 10
Acq On : 4 Mar 2002 5:38 pm  Operator: McLean
Sample : 1/31  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

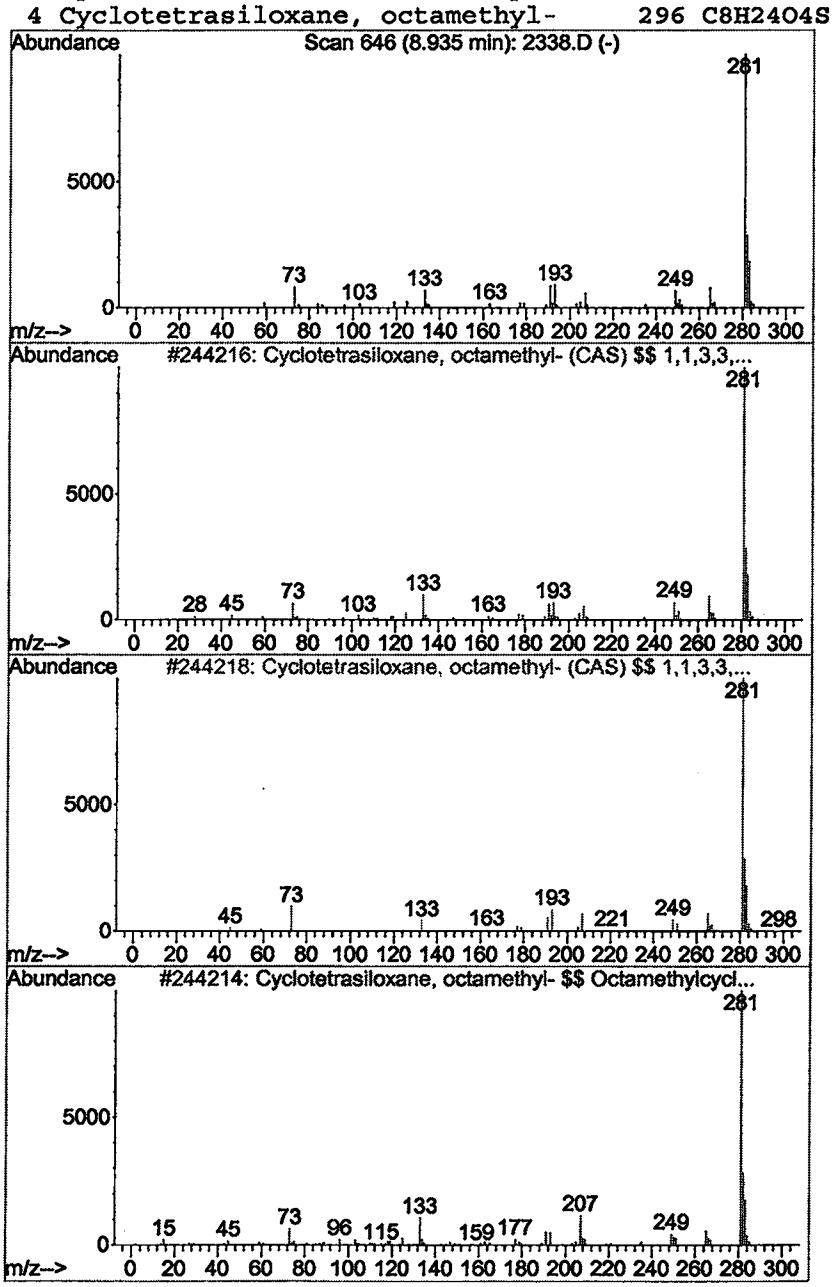
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

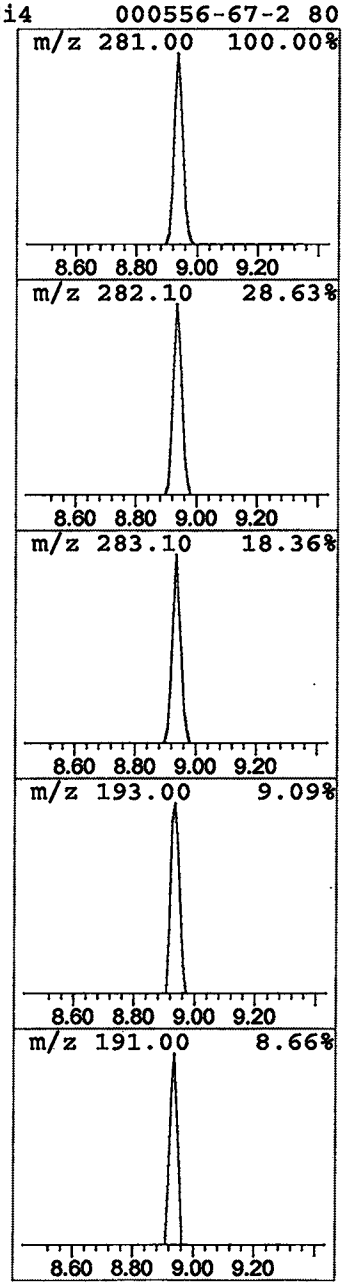
**********

Peak Number 2 Cyclotetrasiloxane, octamet... Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.94 | 0.71 ug/L | 235933 | 1,4-Dichlorobenzene-d4 | 9.58 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclotetrasiloxane, octamethyl- ... | 296 | C8H24O4Si4 | 000556-67-2 | 91 |
| 2 | Cyclotetrasiloxane, octamethyl- ... | 296 | C8H24O4Si4 | 000556-67-2 | 91 |
| 3 | Cyclotetrasiloxane, octamethyl- ... | 296 | C8H24O4Si4 | 000556-67-2 | 90 |
| 4 | Cyclotetrasiloxane, octamethyl- | 296 | C8H24O4Si4 | 000556-67-2 | 80 |



# Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\030402\2338.D  Vial: 10
Acq On : 4 Mar 2002 5:38 pm  Operator: McLean
Sample : 1/31  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

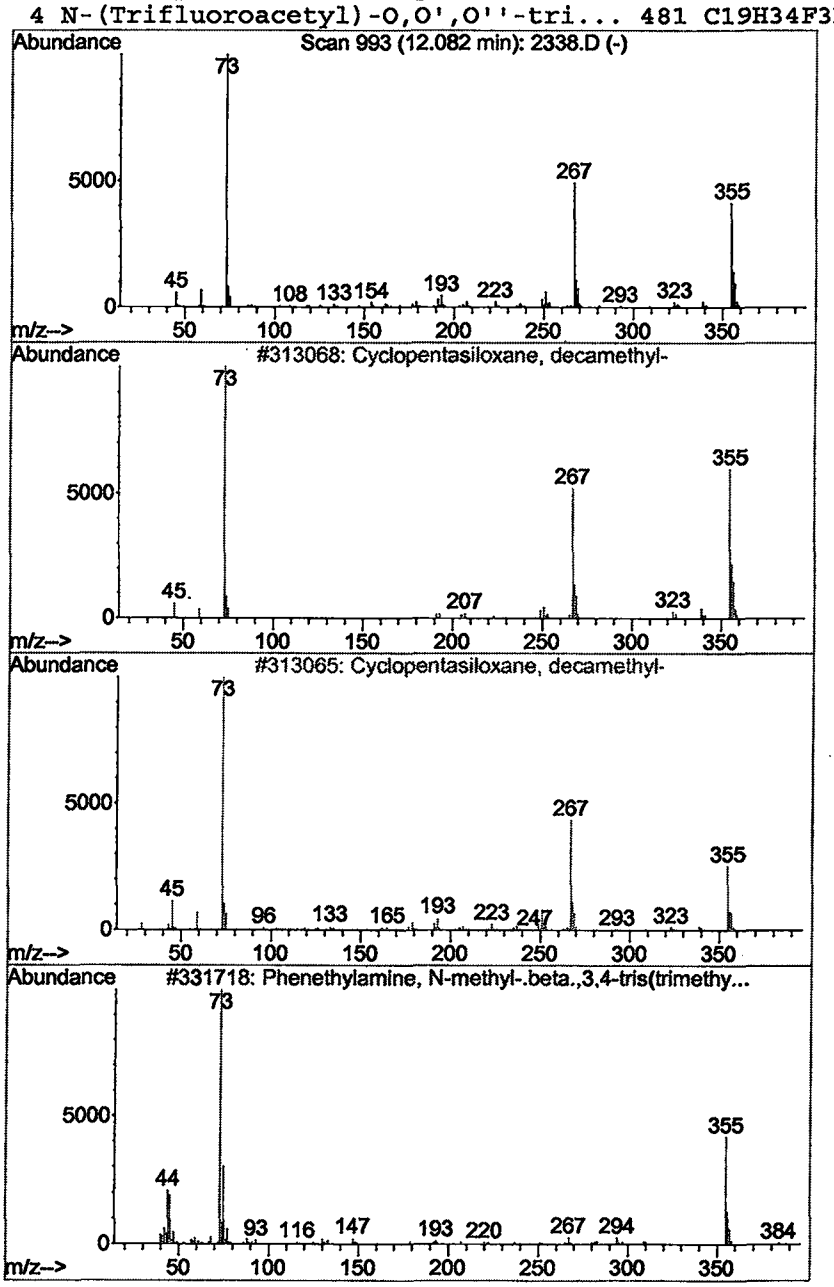
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

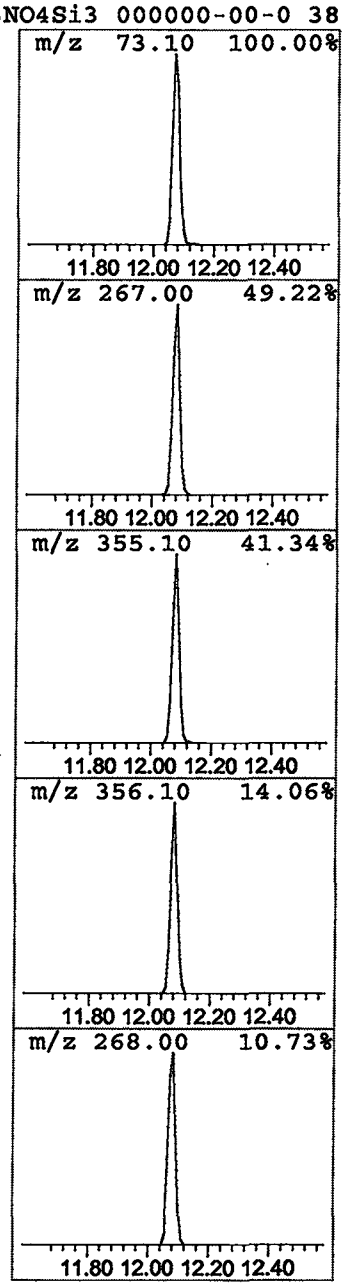
**********

Peak Number 3 Cyclopentasiloxane, decamet... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.08 | 2.81 ug/L | 1237080 | Naphthalene-d8 | 13.05 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentasiloxane, decamethyl- | 370 | C10H30O5Si5 | 000541-02-6 | 90 |
| 2 | Cyclopentasiloxane, decamethyl- | 370 | C10H30O5Si5 | 000541-02-6 | 68 |
| 3 | Phenethylamine, N-methyl-.beta.,... | 399 | C18H37NO3Si3 | 010538-85-9 | 47 |
| 4 | N-(Trifluoroacetyl)-O,O',O''-tri... | 481 | C19H34F3NO4Si3 | 000000-00-0 | 38 |



# Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\030402\2338.D  Vial: 10
Acq On : 4 Mar 2002 5:38 pm  Operator: McLean
Sample : 1/31  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

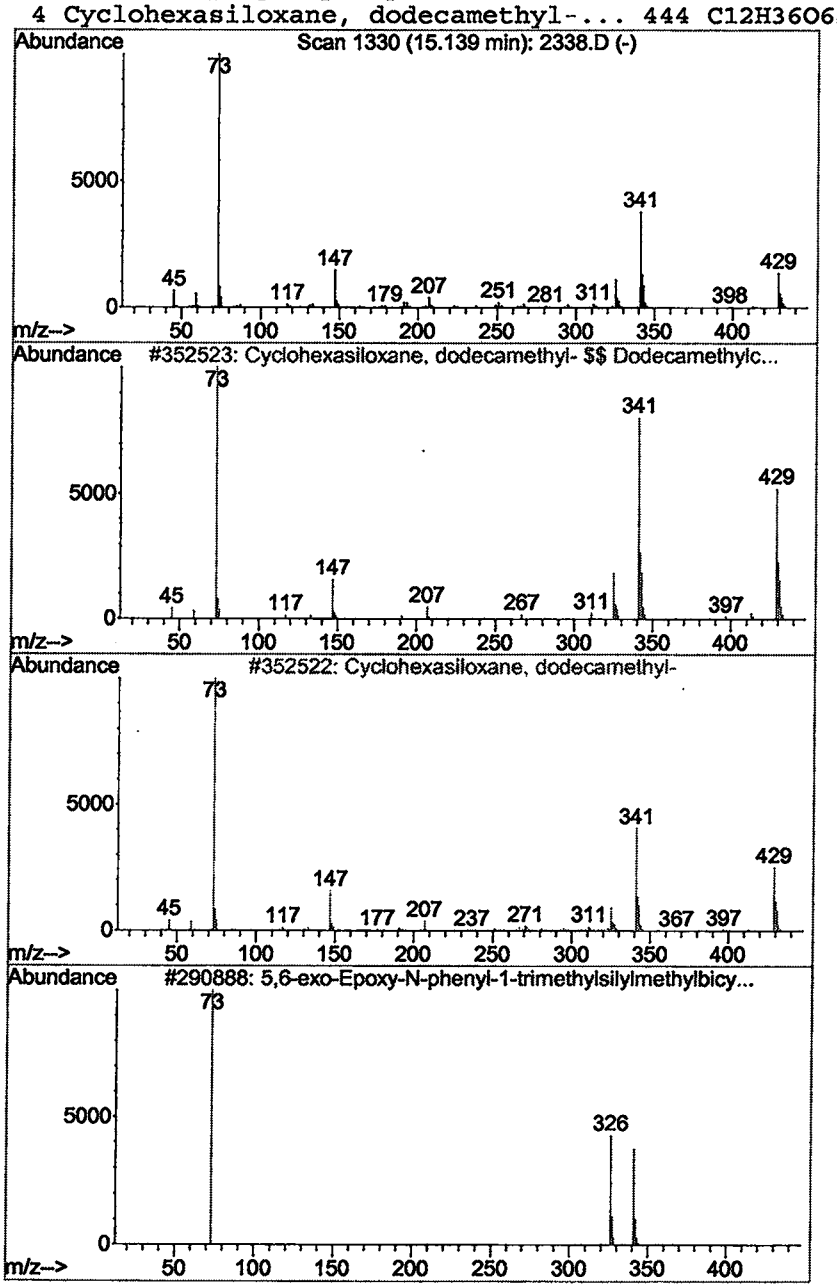
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

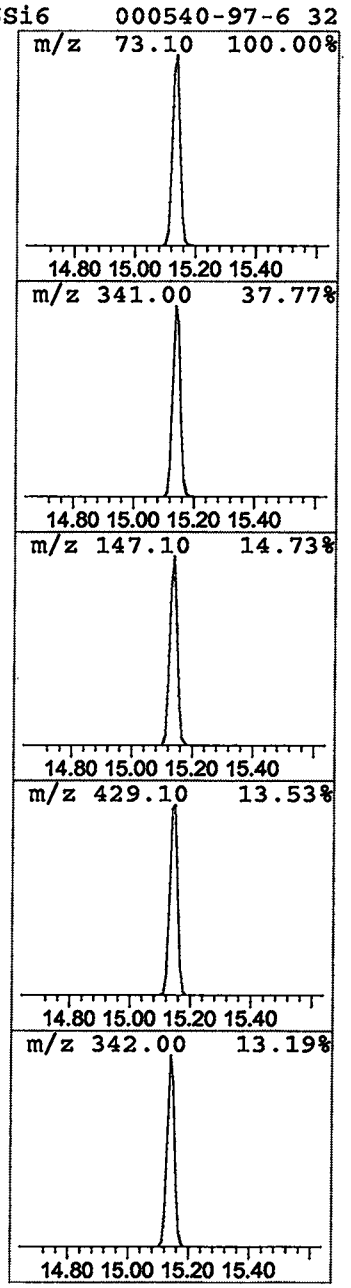
**********

Peak Number 4 Cyclohexasiloxane, dodecame... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.14 | 4.63 ug/L | 2041600 | Naphthalene-d8 | 13.05 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexasiloxane, dodecamethyl-... | 444 | C12H36O6Si6 | 000540-97-6 | 91 |
| 2 | Cyclohexasiloxane, dodecamethyl- | 444 | C12H36O6Si6 | 000540-97-6 | 64 |
| 3 | 5,6-exo-Epoxy-N-phenyl-1-trimeth... | 341 | C19H23NO3Si | 000000-00-0 | 47 |
| 4 | Cyclohexasiloxane, dodecamethyl-... | 444 | C12H36O6Si6 | 000540-97-6 | 32 |



# Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\030402\2338.D  Vial: 10
Acq On : 4 Mar 2002 5:38 pm  Operator: McLean
Sample : 1/31  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

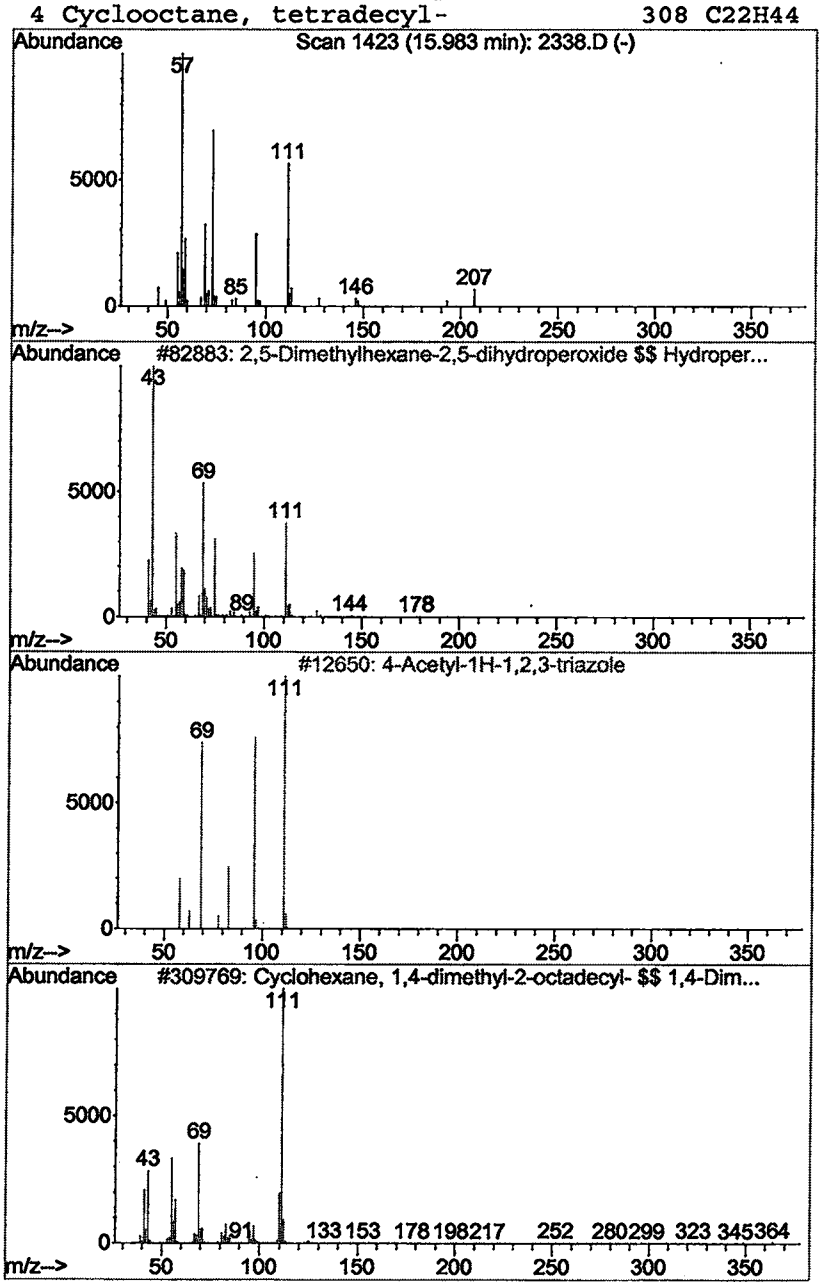
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

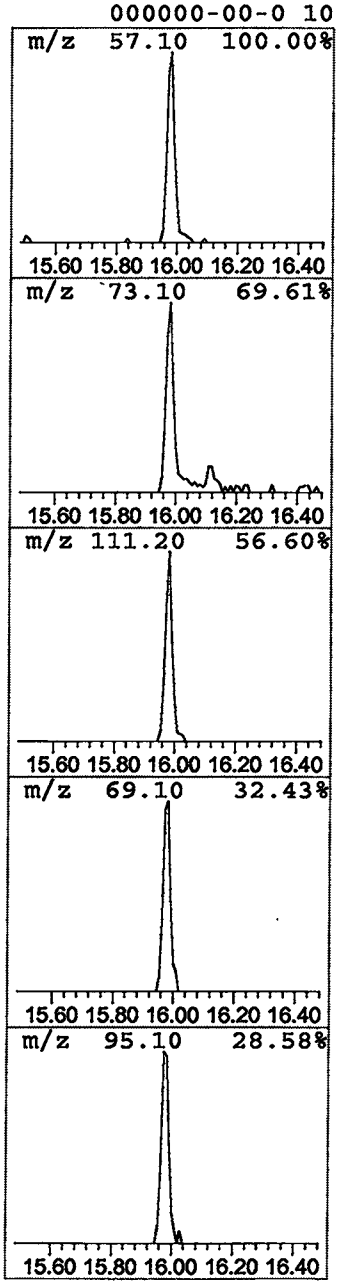
**********

Peak Number 5 2,5-Dimethylhexane-2,5-dihy... Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.98 | 0.43 ug/L | 203824 | Acenaphthene-d10 | 18.17 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,5-Dimethylhexane-2,5-dihydrope... | 178 | C8H18O4 | 003025-88-5 | 42 |
| 2 | 4-Acetyl-1H-1,2,3-triazole | 111 | C4H5N3O | 000000-00-0 | 25 |
| 3 | Cyclohexane, 1,4-dimethyl-2-octa... | 364 | C26H52 | 055282-02-5 | 16 |
| 4 | Cyclooctane, tetradecyl- | 308 | C22H44 | 000000-00-0 | 10 |



# Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\030402\2338.D  Vial: 10
Acq On : 4 Mar 2002 5:38 pm  Operator: McLean
Sample : 1/31  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

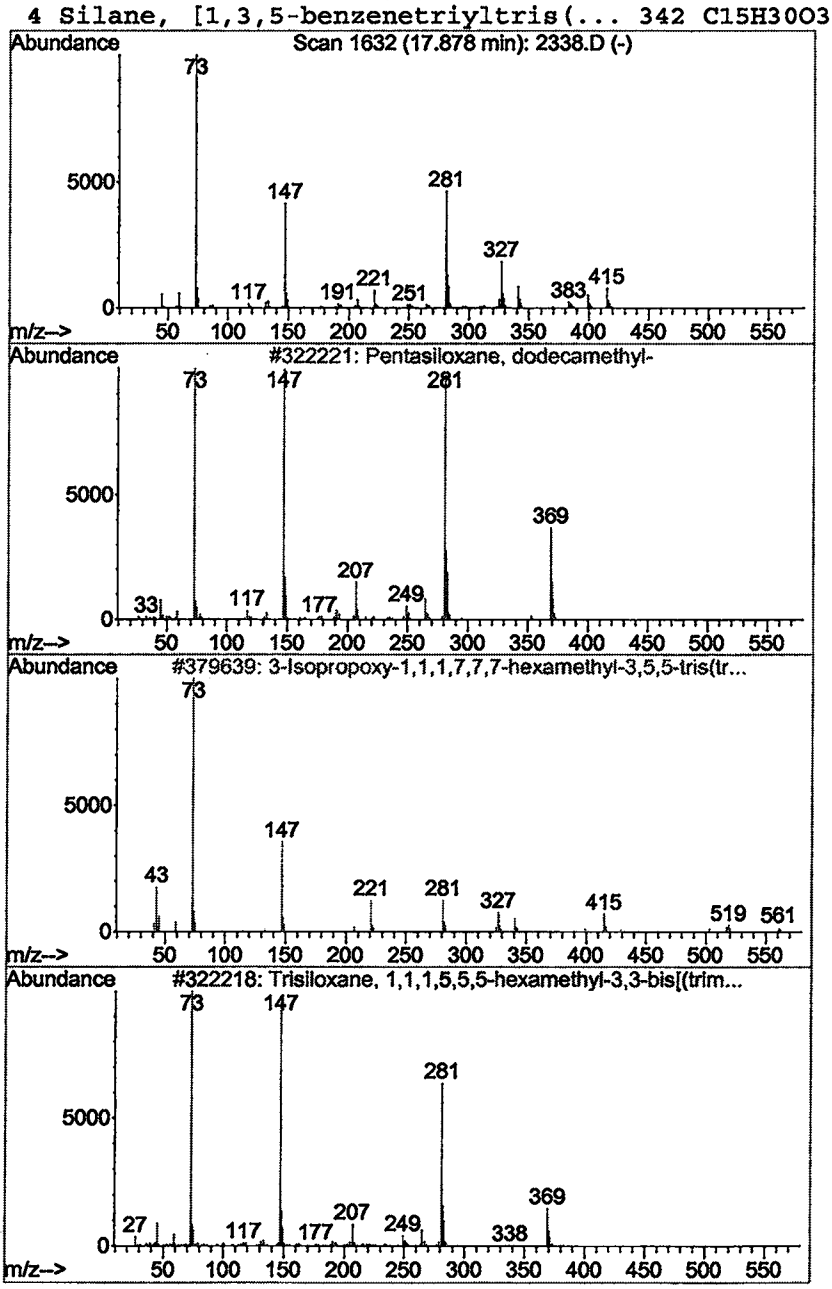
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

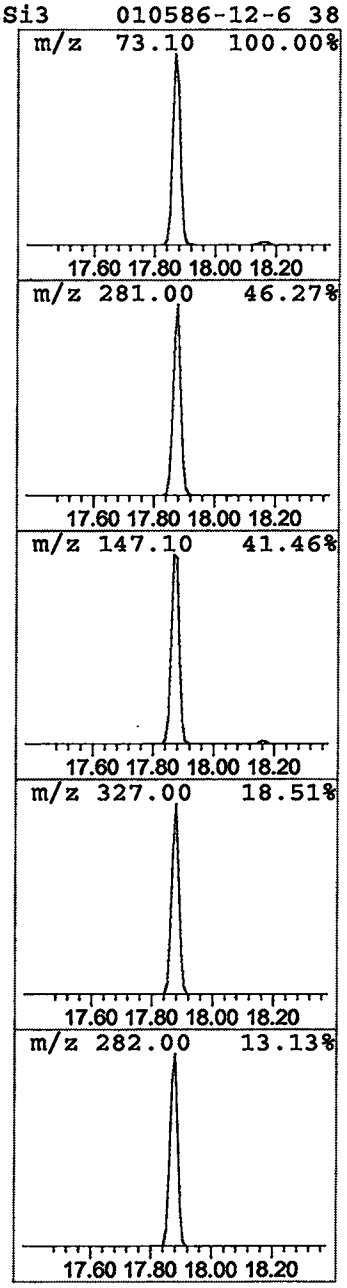
**********

Peak Number 6 Pentasiloxane, dodecamethyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.88 | 3.24 ug/L | 1550070 | Acenaphthene-d10 | 18.17 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentasiloxane, dodecamethyl- | 384 | C12H36O4Si5 | 000141-63-9 | 42 |
| 2 | 3-Isopropoxy-1,1,1,7,7,7-hexamet... | 576 | C18H52O7Si7 | 071579-69-6 | 40 |
| 3 | Trisiloxane, 1,1,1,5,5,5-hexamet... | 384 | C12H36O4Si5 | 003555-47-3 | 40 |
| 4 | Silane, [1,3,5-benzenetriyltris(... | 342 | C15H30O3Si3 | 010586-12-6 | 38 |



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\030402\2338.D  Vial: 10
Acq On : 4 Mar 2002 5:38 pm  Operator: McLean
Sample : 1/31  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

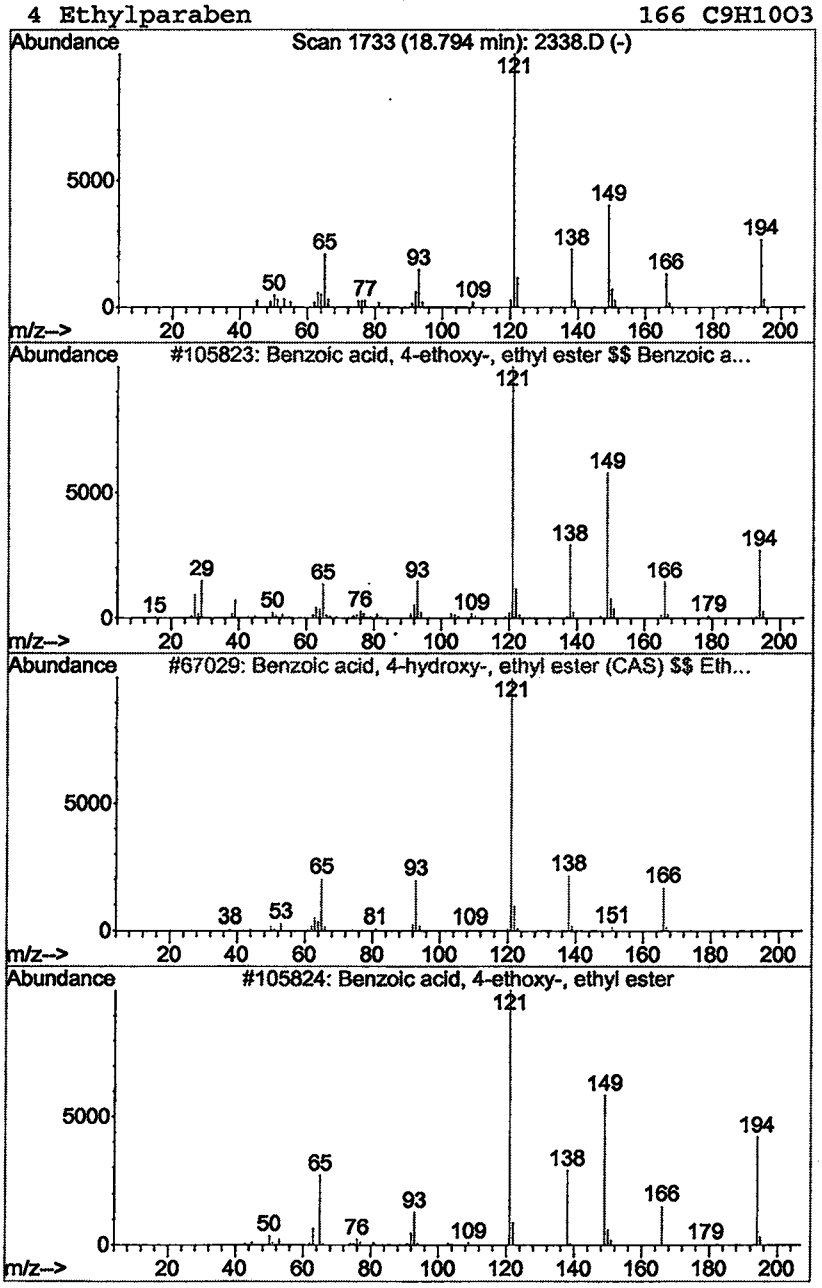
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

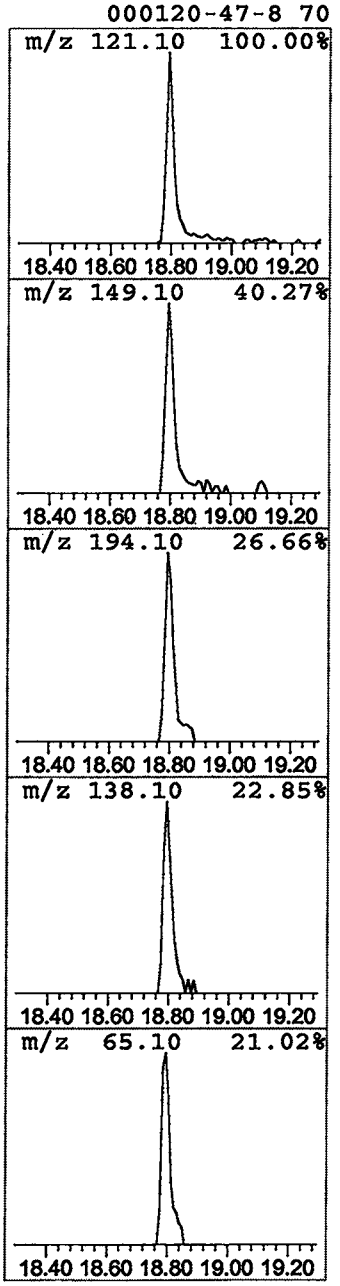
**********

Peak Number 7 Benzoic acid, 4-ethoxy-, et... Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.79 | 0.44 ug/L | 208422 | Acenaphthene-d10 | 18.17 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzoic acid, 4-ethoxy-, ethyl e... | 194 | C11H14O3 | 023676-09-7 | 97 |
| 2 | Benzoic acid, 4-hydroxy-, ethyl ... | 166 | C9H10O3 | 000120-47-8 | 92 |
| 3 | Benzoic acid, 4-ethoxy-, ethyl e... | 194 | C11H14O3 | 023676-09-7 | 92 |
| 4 | Ethylparaben | 166 | C9H10O3 | 000120-47-8 | 70 |



# Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\030402\2338.D  Vial: 10
Acq On : 4 Mar 2002 5:38 pm  Operator: McLean
Sample : 1/31  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

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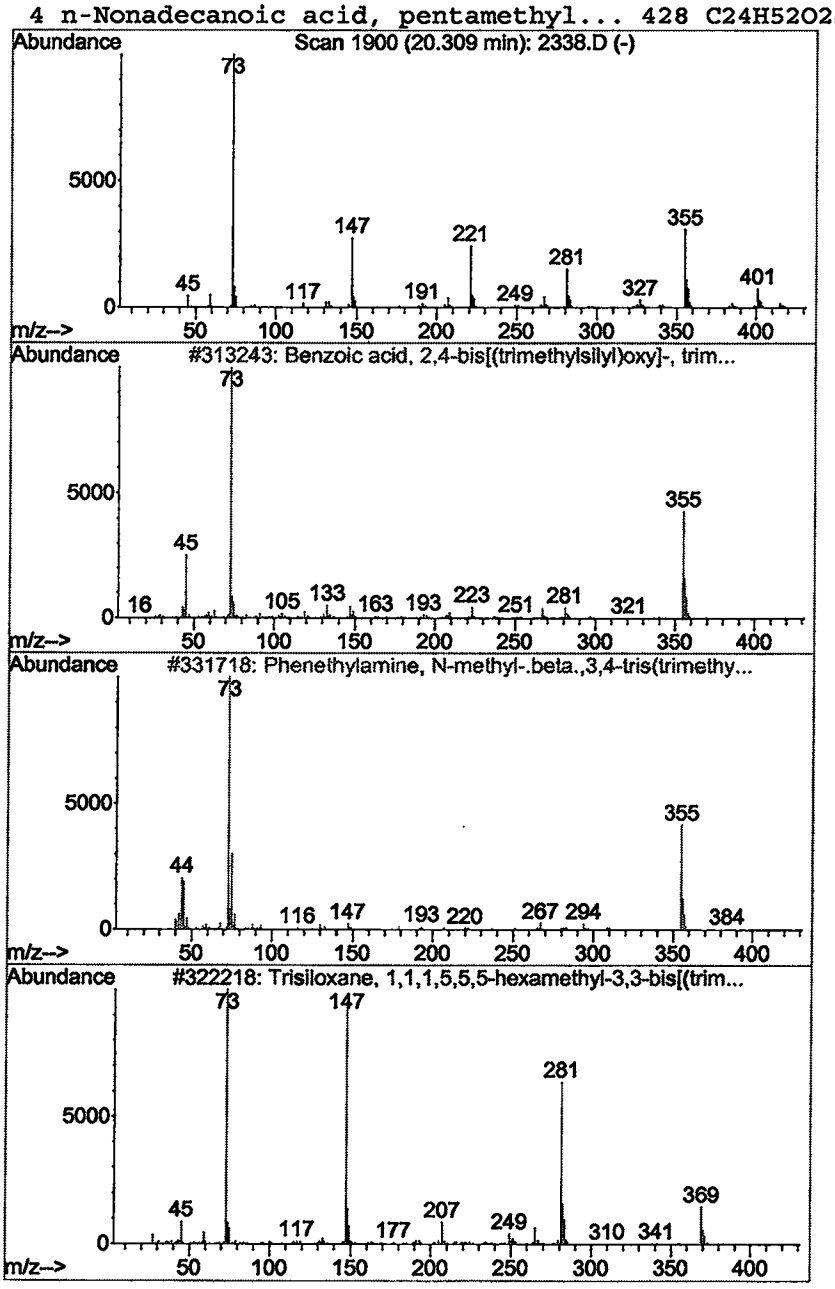
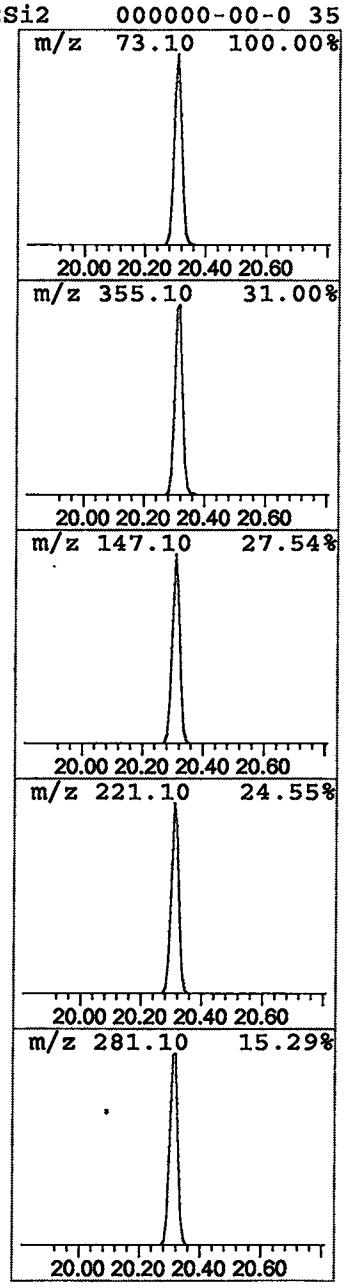
Peak Number 8 Benzoic acid, 2,4-bis[(trim... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.31 | 2.42 ug/L | 1157150 | Acenaphthene-d10 | 18.17 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzoic acid, 2,4-bis[(trimethyl... | 370 | C16H30O4Si3 | 010586-16-0 | 38 |
| 2 | Phenethylamine, N-methyl-.beta.,... | 399 | C18H37NO3Si3 | 010538-85-9 | 35 |
| 3 | Trisiloxane, 1,1,1,5,5,5-hexamet... | 384 | C12H36O4Si5 | 003555-47-3 | 35 |
| 4 | n-Nonadecanoic acid, pentamethyl... | 428 | C24H52O2Si2 | 000000-00-0 | 35 |



# Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\030402\2338.D  Vial: 10
Acq On : 4 Mar 2002 5:38 pm  Operator: McLean
Sample : 1/31  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

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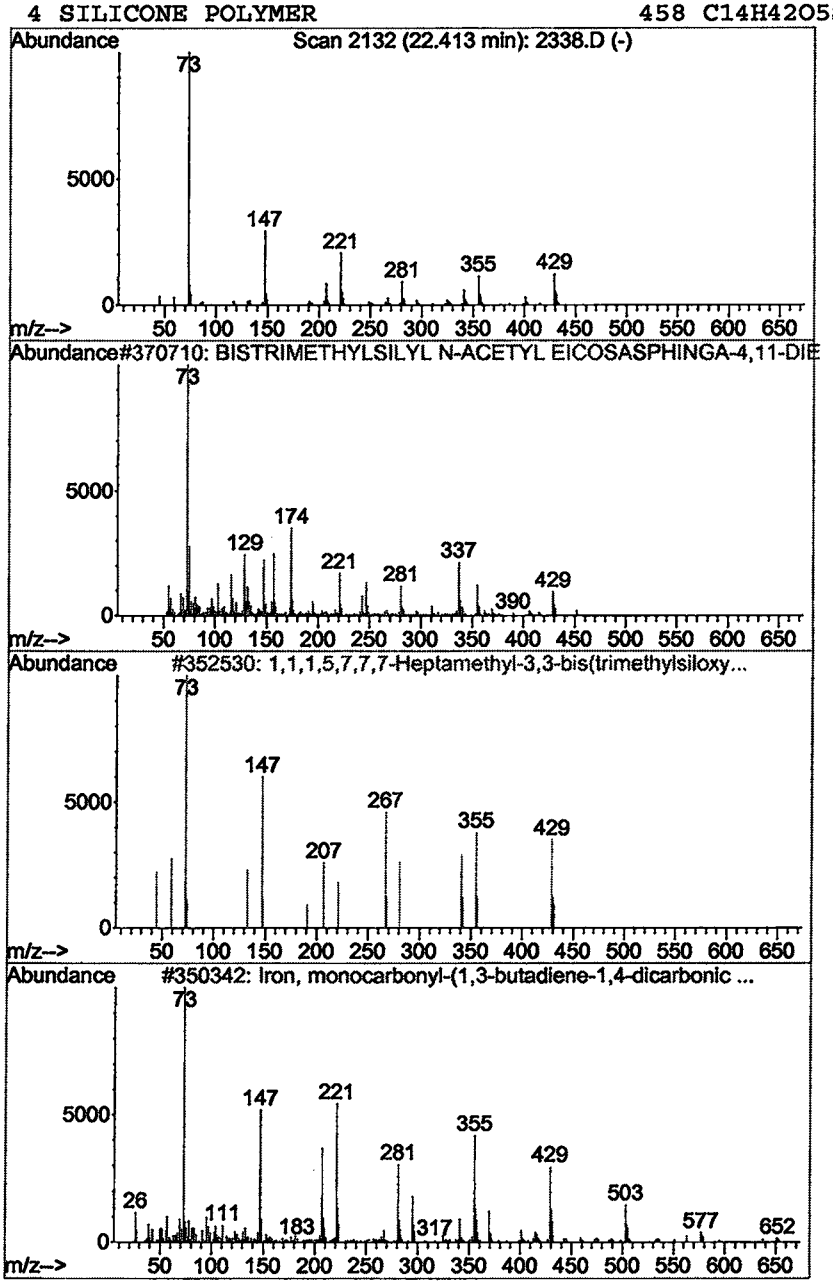
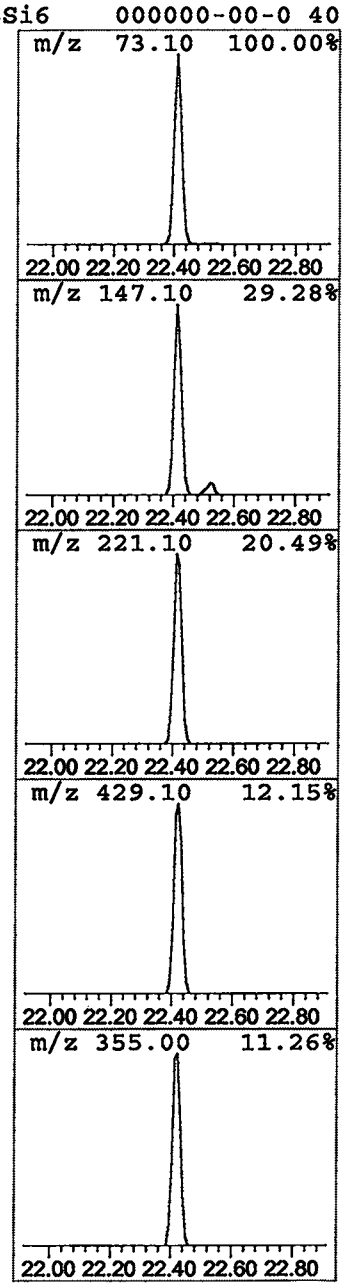
Peak Number 9 BISTRIMETHYLSILYL N-ACETYL ... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.41 | 1.92 ug/L | 932276 | Phenanthrene-d10 | 22.52 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | BISTRIMETHYLSILYL N-ACETYL EICOS... | 511 | C28H57NO3Si2 | 000000-00-0 | 53 |
| 2 | 1,1,1,5,7,7,7-Heptamethyl-3,3-bi... | 444 | C13H40O5Si6 | 038147-00-1 | 42 |
| 3 | Iron, monocarbonyl-(1,3-butadien... | 438 | C21H22FeN2O5 | 109007-87-6 | 42 |
| 4 | SILICONE POLYMER | 458 | C14H42O5Si6 | 000000-00-0 | 40 |



# Library Search Compound Report

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Acq On : 4 Mar 2002 5:38 pm  Operator: McLean
Sample : 1/31  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

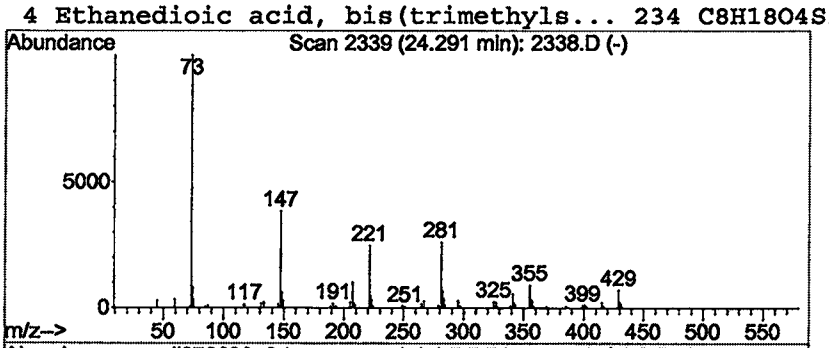
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

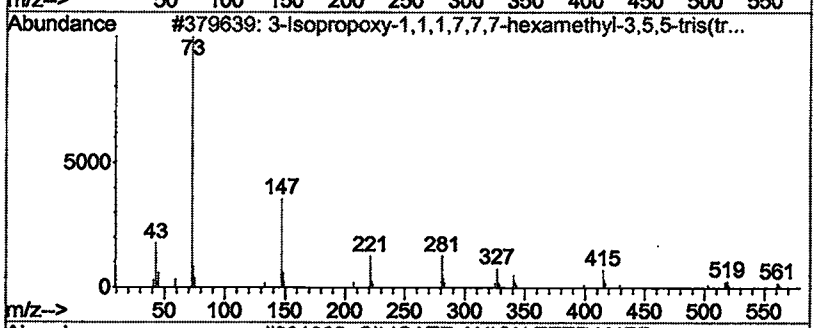
**********

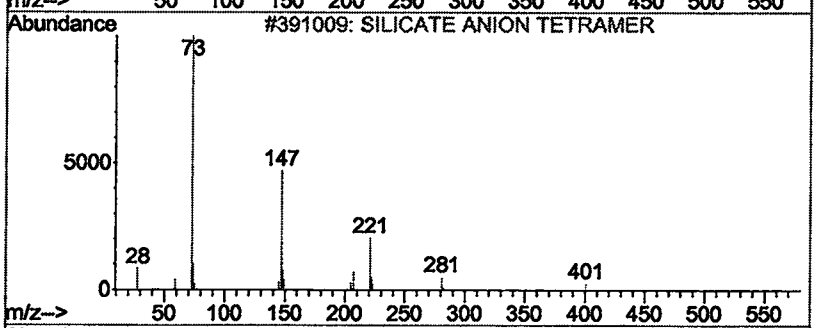
Peak Number 10 3-Isopropoxy-1,1,1,7,7,7-he... Concentration Rank 6

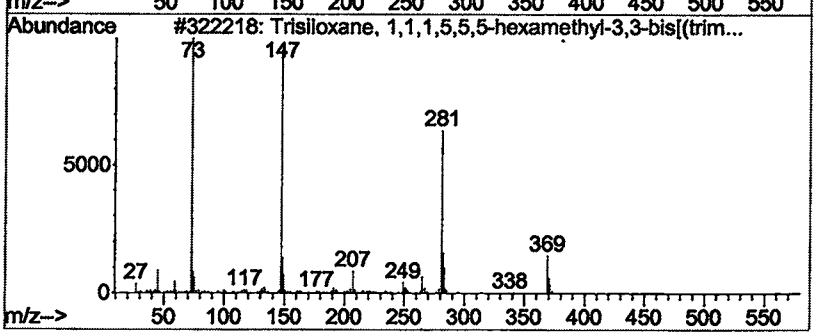
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.29 | 1.47 ug/L | 716295 | Phenanthrene-d10 | 22.52 |

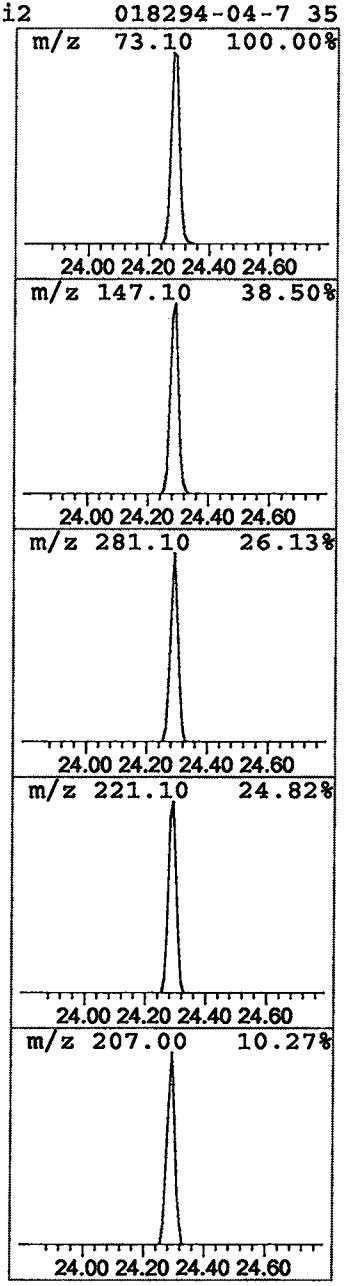
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Isopropoxy-1,1,1,7,7,7-hexamet... | 576 | C18H52O7Si7 | 071579-69-6 | 47 |
| 2 | SILICATE ANION TETRAMER | 888 | C24H72O12Si12 | 000000-00-0 | 47 |
| 3 | Trisiloxane, 1,1,1,5,5,5-hexamet... | 384 | C12H36O4Si5 | 003555-47-3 | 35 |
| 4 | Ethanedioic acid, bis(trimethyls... | 234 | C8H18O4Si2 | 018294-04-7 | 35 |



# Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\030402\2338.D  Vial: 10
Acq On : 4 Mar 2002 5:38 pm  Operator: McLean
Sample : 1/31  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

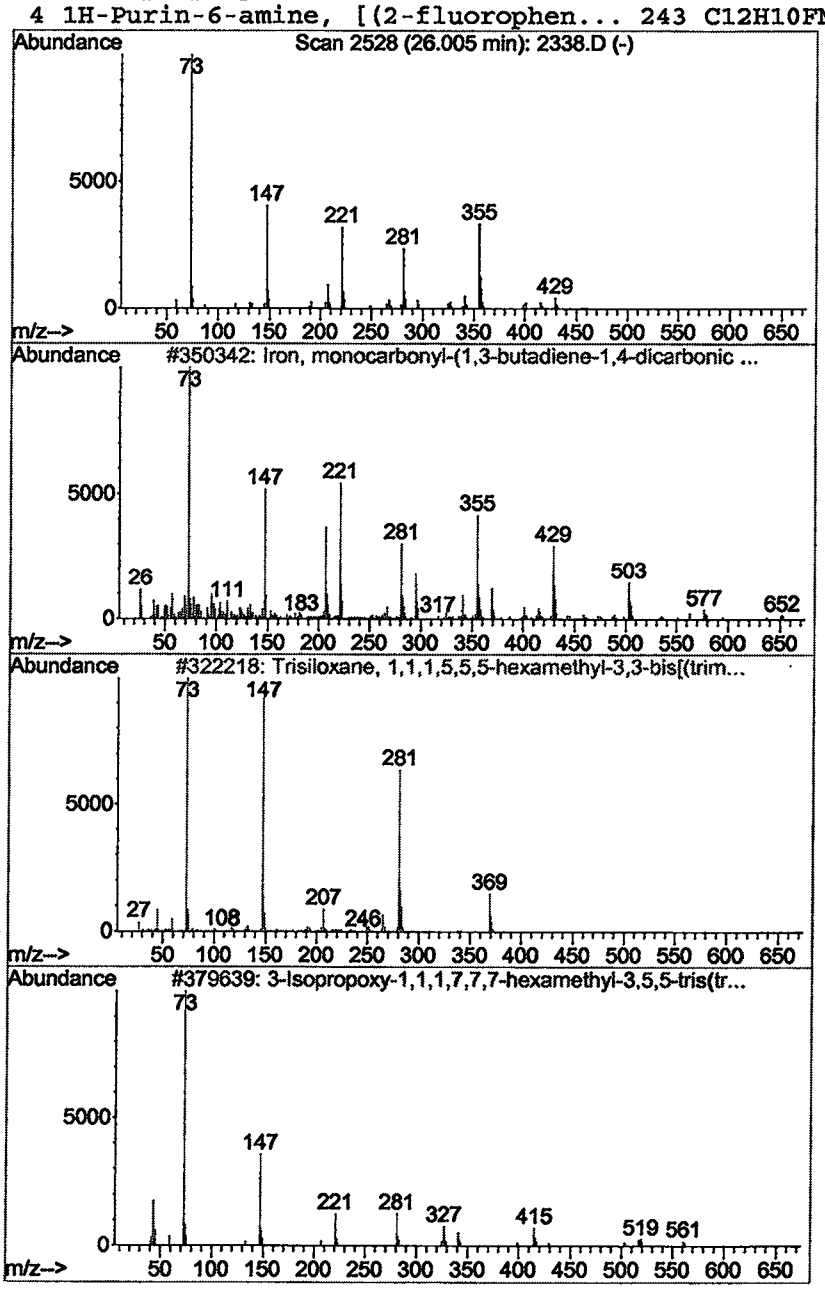
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

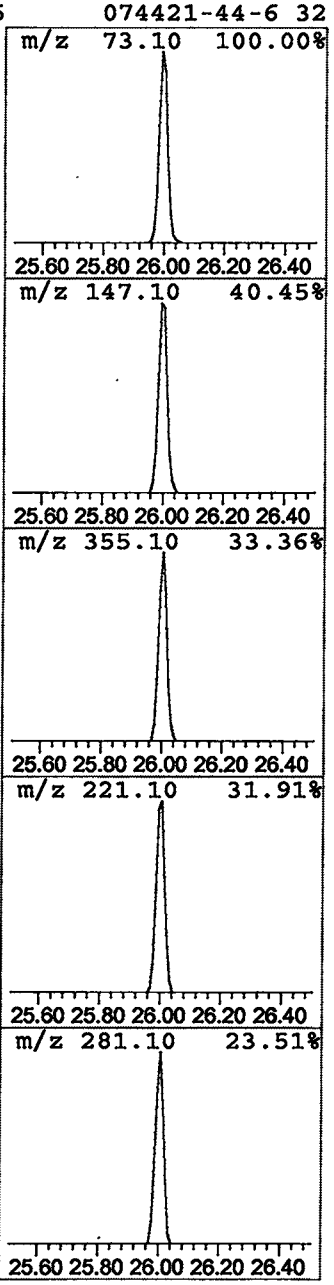
**********

Peak Number 11 Iron, monocarbonyl-(1,3-but... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 26.01 | 1.29 ug/L | 626957 | Phenanthrene-d10 | 22.52 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Iron, monocarbonyl-(1,3-butadien... | 438 | C21H22FeN2O5 | 109007-87-6 | 45 |
| 2 | Trisiloxane, 1,1,1,5,5,5-hexamet... | 384 | C12H36O4Si5 | 003555-47-3 | 37 |
| 3 | 3-Isopropoxy-1,1,1,7,7,7-hexamet... | 576 | C18H52O7Si7 | 071579-69-6 | 37 |
| 4 | 1H-Purin-6-amine, [(2-fluorophen... | 243 | C12H10FN5 | 074421-44-6 | 32 |



# Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\030402\2338.D  Vial: 10
Acq On : 4 Mar 2002 5:38 pm  Operator: McLean
Sample : 1/31  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

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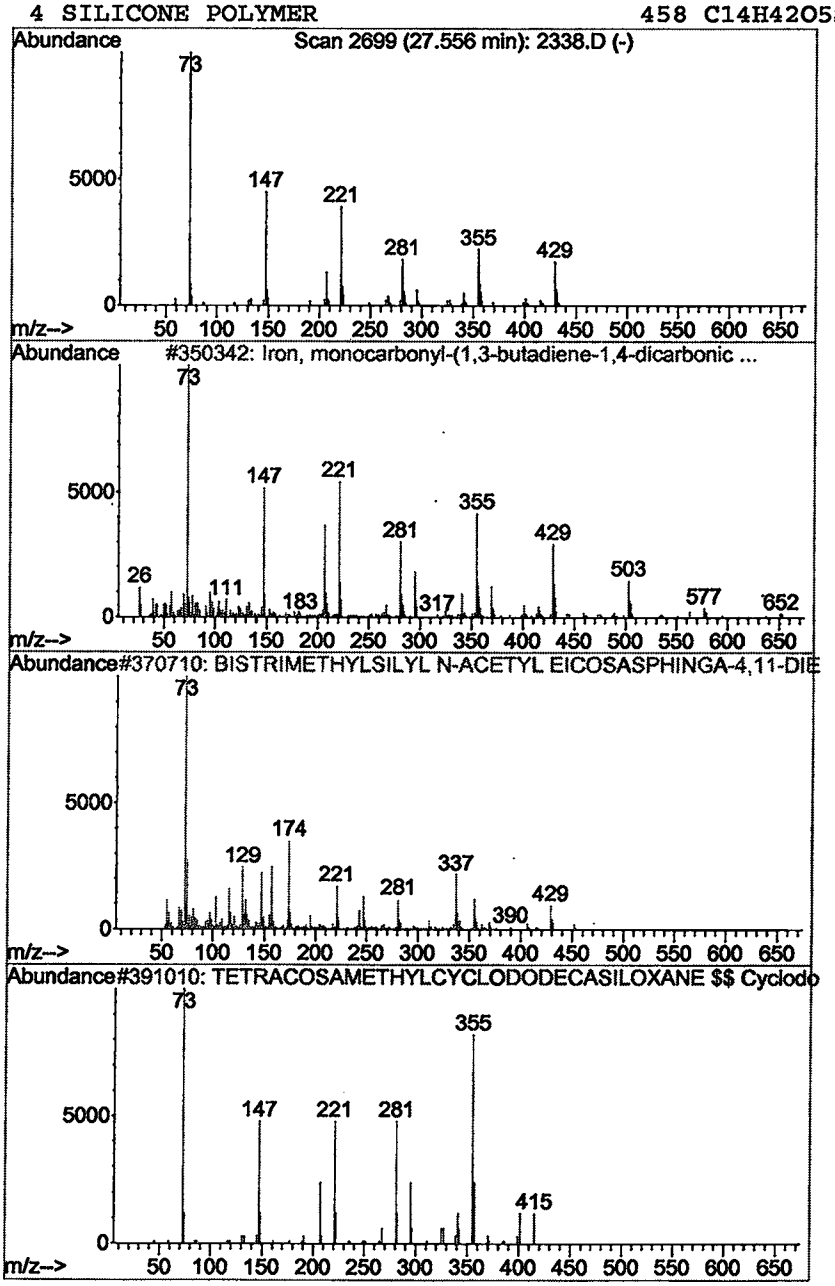
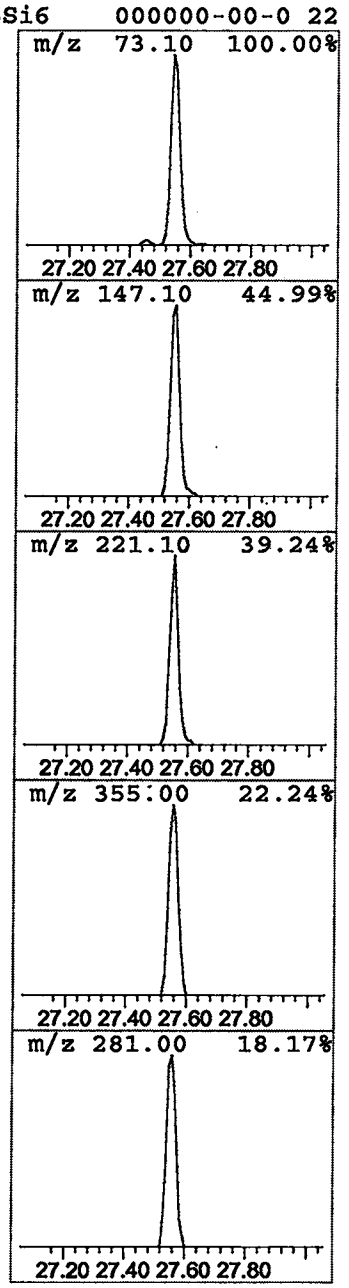
Peak Number 12 Iron, monocarbonyl-(1,3-but... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 27.56 | 1.33 ug/L | 643139 | Chrysene-d12 | 30.34 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Iron, monocarbonyl-(1,3-butadien... | 438 | C21H22FeN2O5 | 109007-87-6 | 64 |
| 2 | BISTRIMETHYLSILYL N-ACETYL EICOS... | 511 | C28H57NO3Si2 | 000000-00-0 | 53 |
| 3 | TETRACOSAMETHYLCYCLODODECASILOXA... | 888 | C24H72O12Si12 | 018919-94-3 | 25 |
| 4 | SILICONE POLYMER | 458 | C14H42O5Si6 | 000000-00-0 | 22 |



# Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\030402\2338.D  Vial: 10
Acq On : 4 Mar 2002 5:38 pm  Operator: McLean
Sample : 1/31  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

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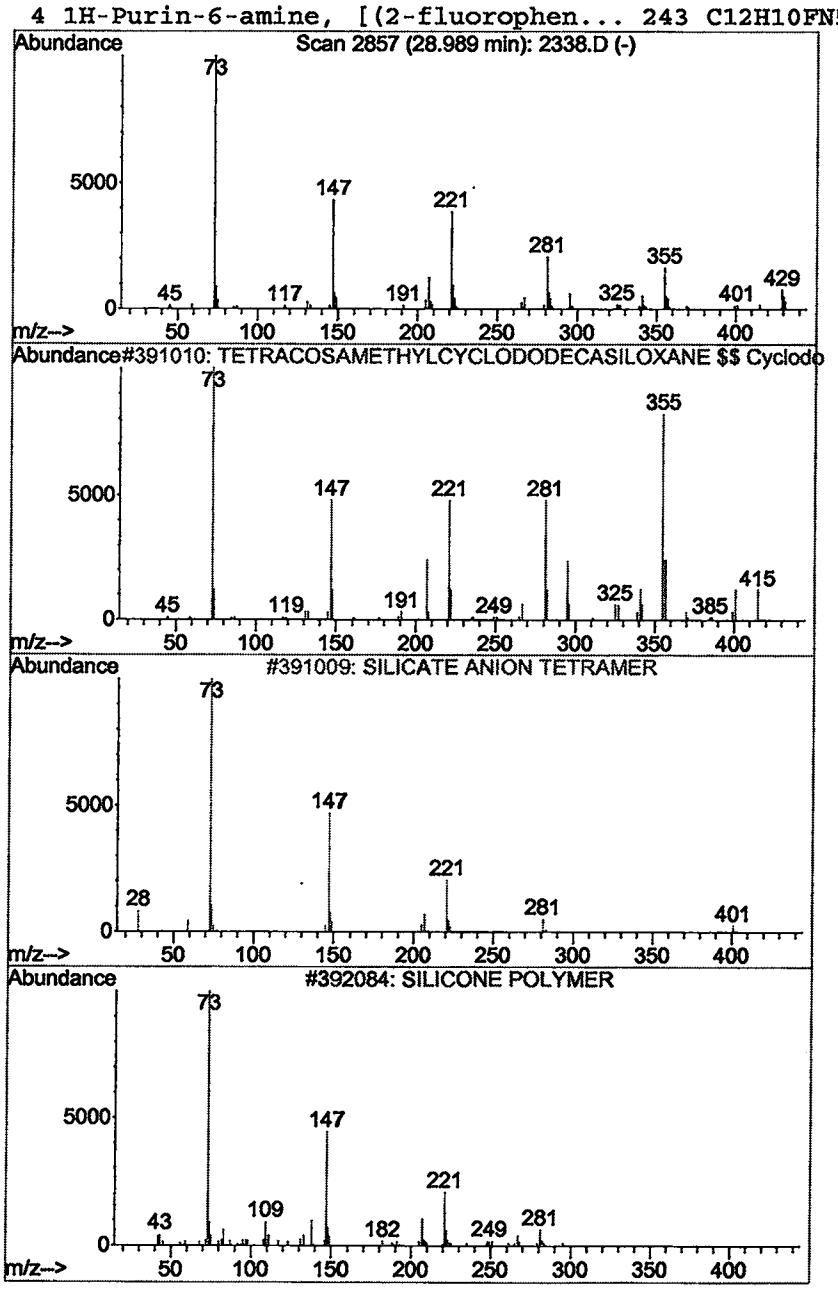
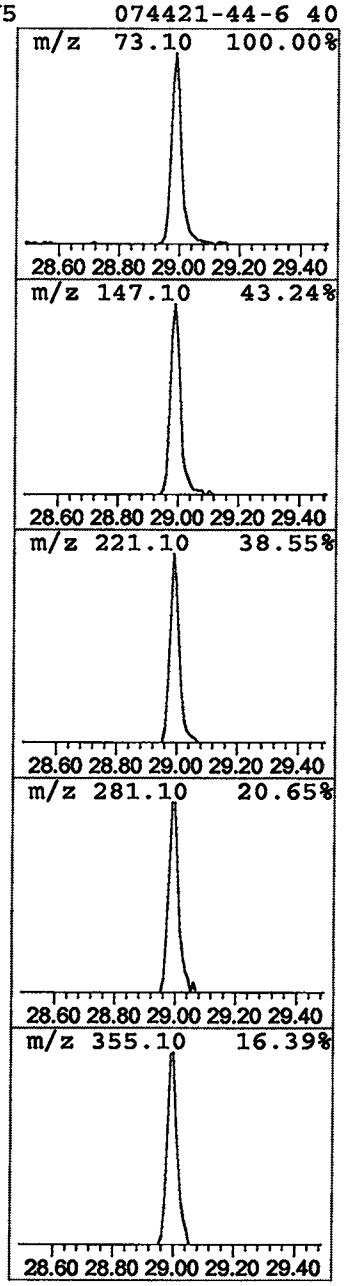
Peak Number 13 TETRACOSAMETHYLCYCLODODECAS... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 28.99 | 1.20 ug/L | 580428 | Chrysene-d12 | 30.34 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | TETRACOSAMETHYLCYCLODODECASILOXA... | 888 | C24H72O12Si12 | 018919-94-3 | 86 |
| 2 | SILICATE ANION TETRAMER | 888 | C24H72O12Si12 | 000000-00-0 | 59 |
| 3 | SILICONE POLYMER | 458 | C14H42O5Si6 | 000000-00-0 | 43 |
| 4 | 1H-Purin-6-amine, [(2-fluorophen... | 243 | C12H10FN5 | 074421-44-6 | 40 |



# Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\030402\2338.D  Vial: 10
Acq On : 4 Mar 2002 5:38 pm  Operator: McLean
Sample : 1/31  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

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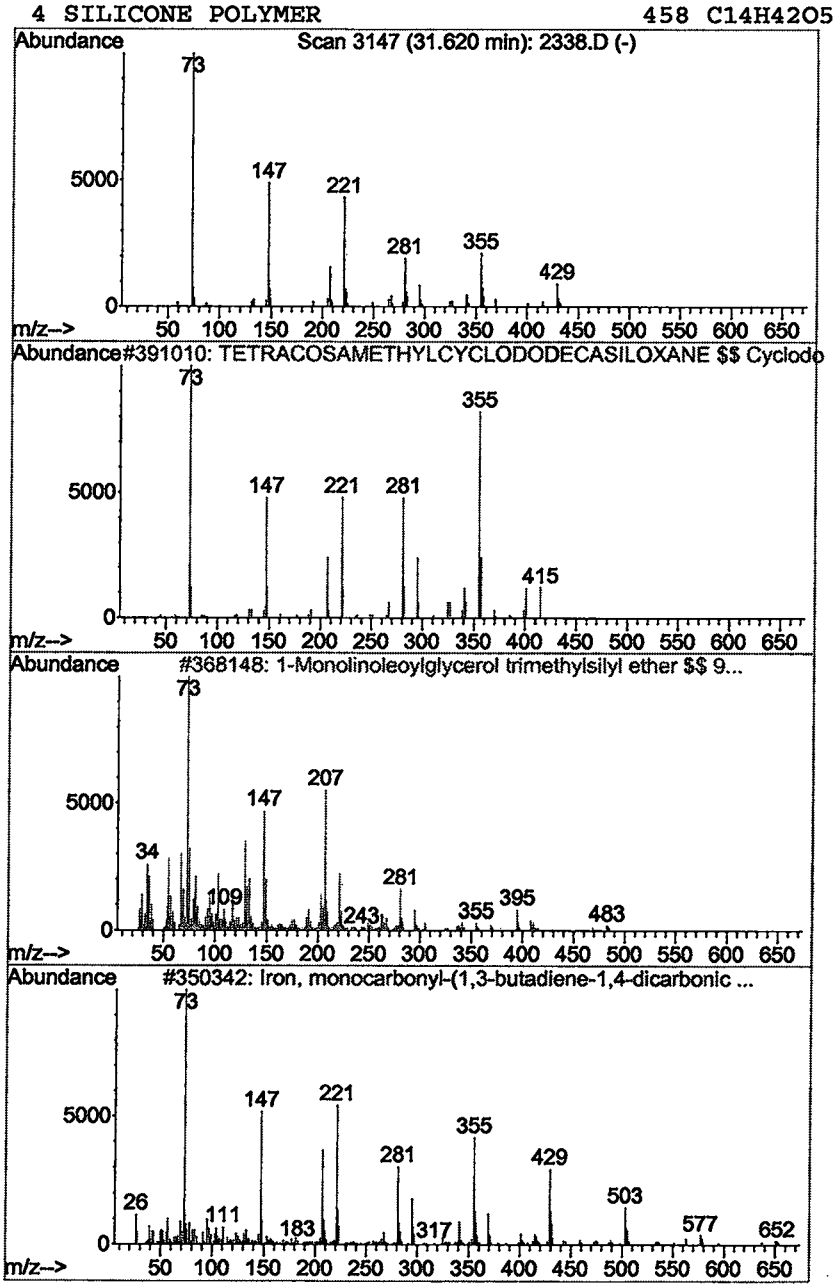
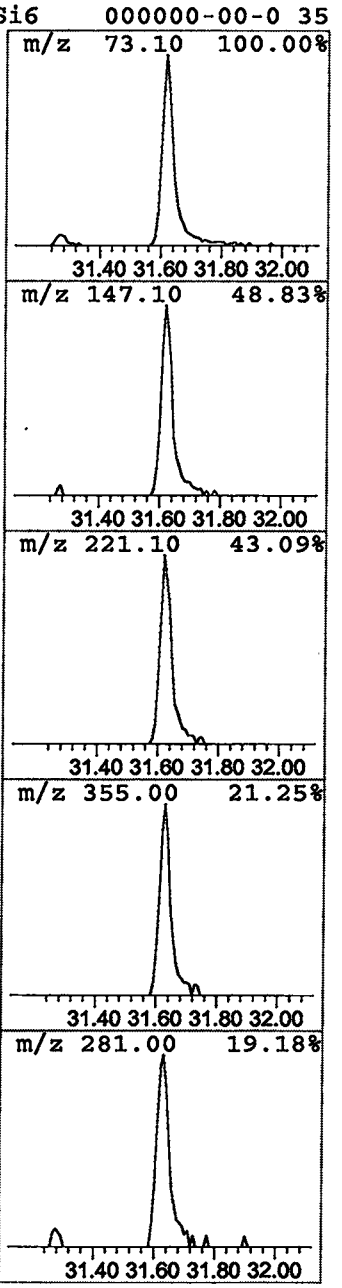
Peak Number 14 TETRACOSAMETHYLCYCLODODECAS... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 31.62 | 0.98 ug/L | 473087 | Chrysene-d12 | 30.34 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | TETRACOSAMETHYLCYCLODODECASILOXA... | 888 | C24H72O12Si12 | 018919-94-3 | 45 |
| 2 | 1-Monolinoleoylglycerol trimethy... | 498 | C27H54O4Si2 | 054284-45-6 | 38 |
| 3 | Iron, monocarbonyl-(1,3-butadien... | 438 | C21H22FeN2O5 | 109007-87-6 | 35 |
| 4 | SILICONE POLYMER | 458 | C14H42O5Si6 | 000000-00-0 | 35 |



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\030402\2338.D  Vial: 10
Acq On : 4 Mar 2002 5:38 pm  Operator: McLean
Sample : 1/31  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

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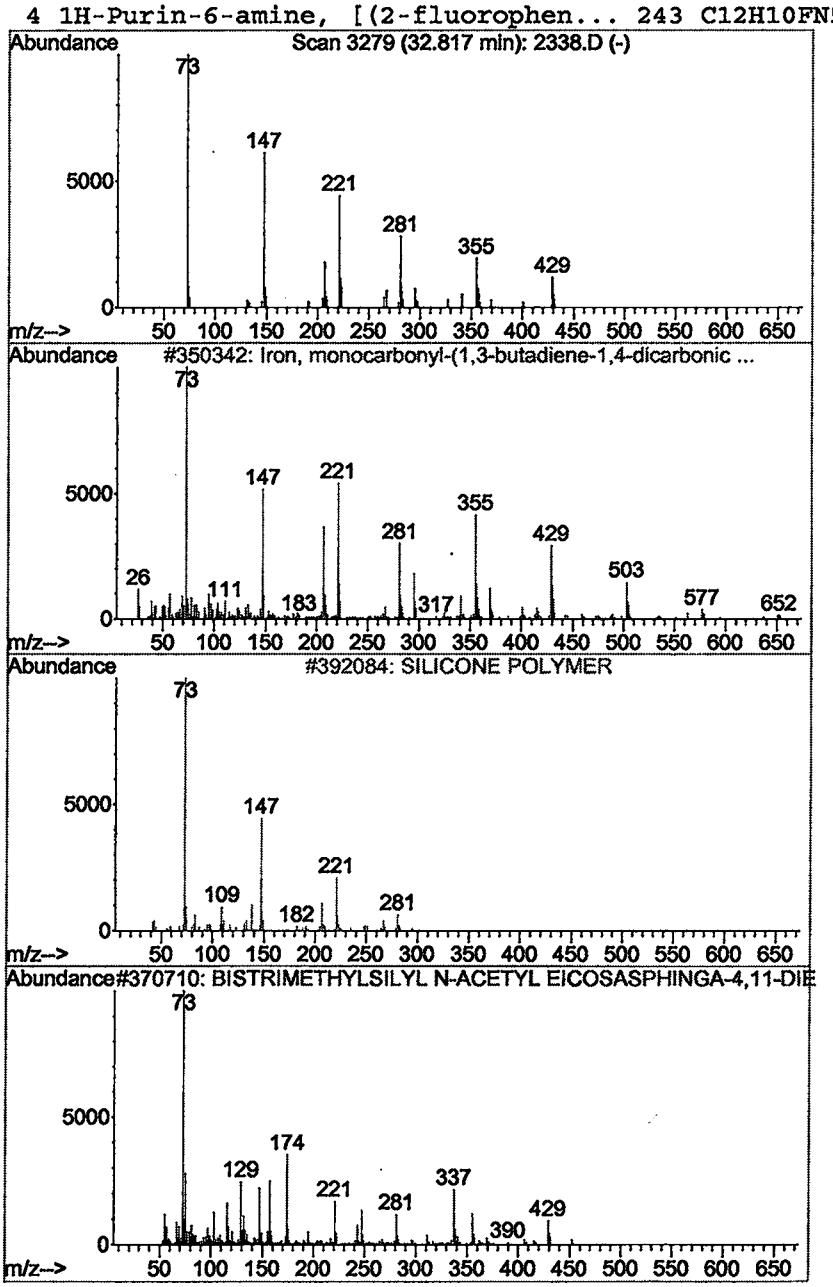
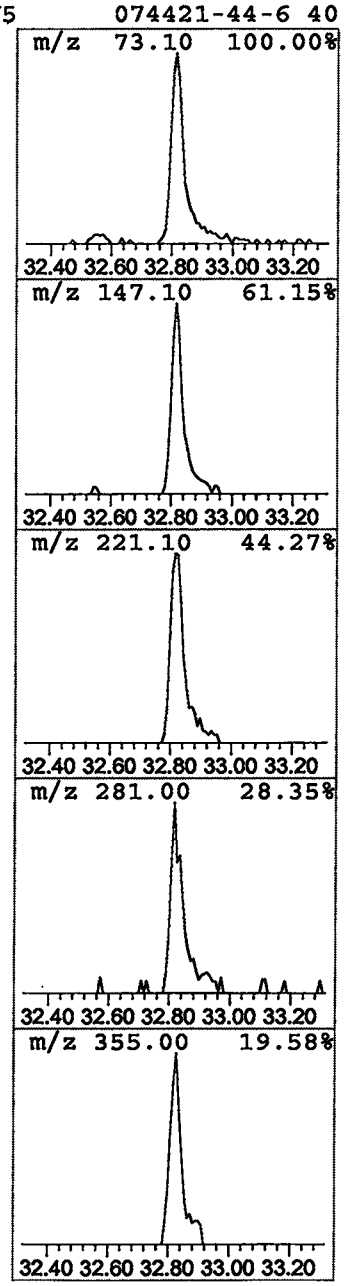
Peak Number 15 Iron, monocarbonyl-(1,3-but... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 32.82 | 1.09 ug/L | 344694 | Perylene-d12 | 34.21 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Iron, monocarbonyl-(1,3-butadien... | 438 | C21H22FeN2O5 | 109007-87-6 | 52 |
| 2 | SILICONE POLYMER | 458 | C14H42O5Si6 | 000000-00-0 | 43 |
| 3 | BISTRIMETHYLSILYL N-ACETYL EICOS... | 511 | C28H57NO3Si2 | 000000-00-0 | 43 |
| 4 | 1H-Purin-6-amine, [(2-fluorophen... | 243 | C12H10FN5 | 074421-44-6 | 40 |



# Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\030402\2338.D  Vial: 10
Acq On : 4 Mar 2002 5:38 pm  Operator: McLean
Sample : 1/31  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

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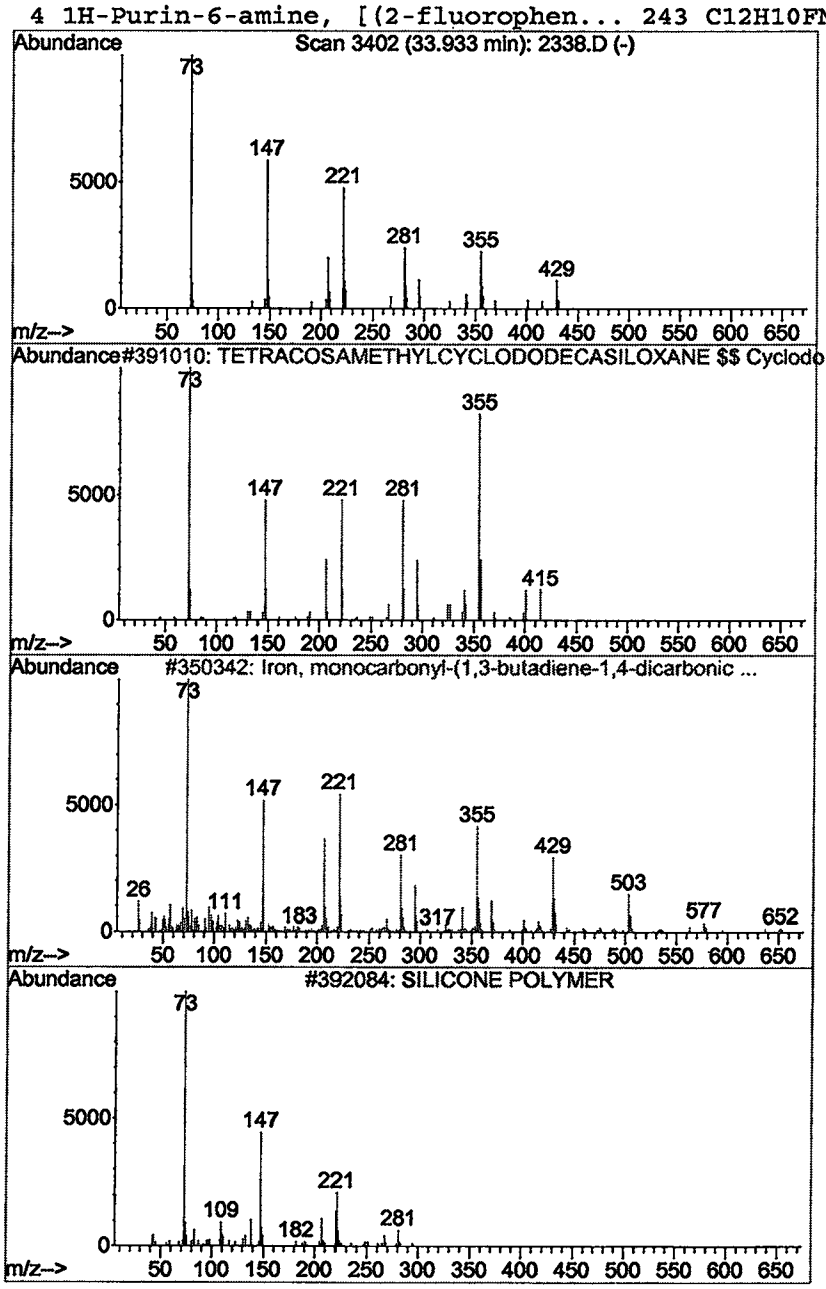
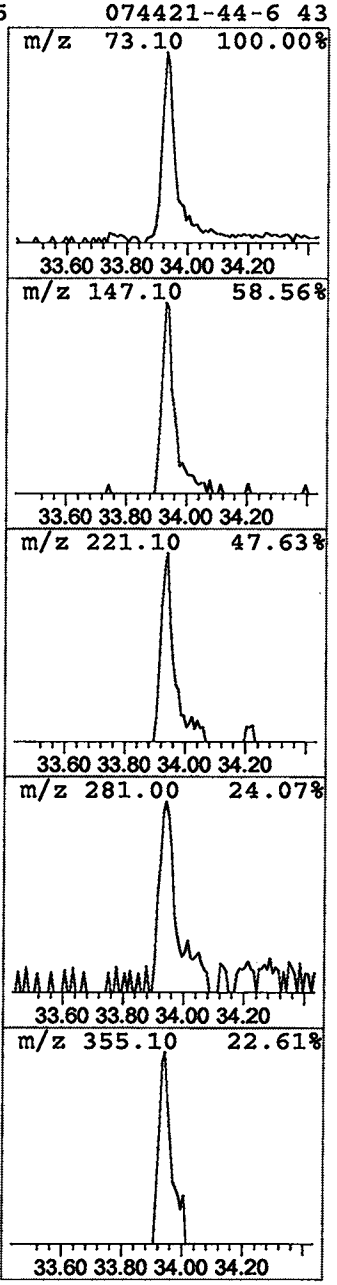
Peak Number 16 TETRACOSAMETHYLCYCLODODECAS... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 33.93 | 0.76 ug/L | 240803 | Perylene-d12 | 34.21 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | TETRACOSAMETHYLCYCLODODECASILOXA... | 888 | C24H72O12Si12 | 018919-94-3 | 70 |
| 2 | Iron, monocarbonyl-(1,3-butadien... | 438 | C21H22FeN2O5 | 109007-87-6 | 64 |
| 3 | SILICONE POLYMER | 458 | C14H42O5Si6 | 000000-00-0 | 59 |
| 4 | 1H-Purin-6-amine, [(2-fluorophen... | 243 | C12H10FN5 | 074421-44-6 | 43 |



# Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\030402\2338.D  Vial: 10
Acq On : 4 Mar 2002 5:38 pm  Operator: McLean
Sample : 1/31  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

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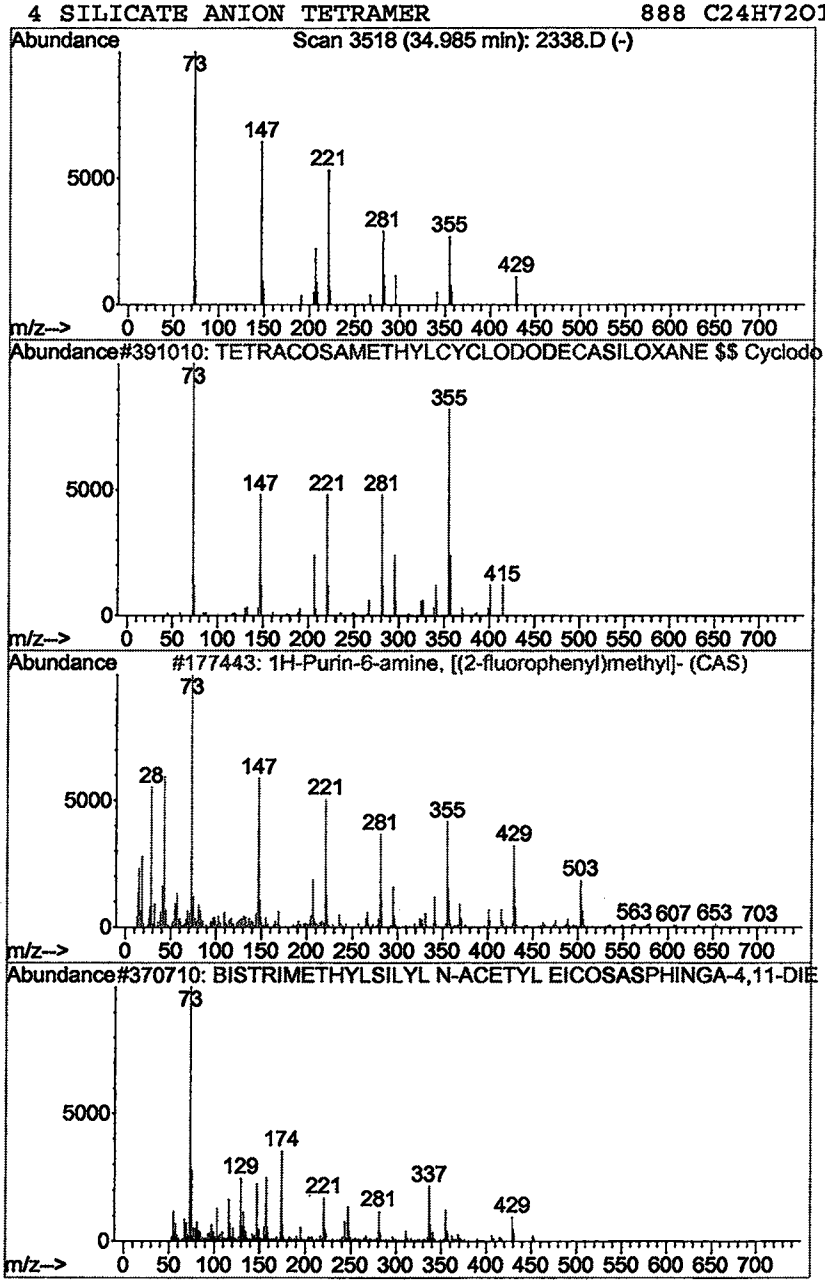
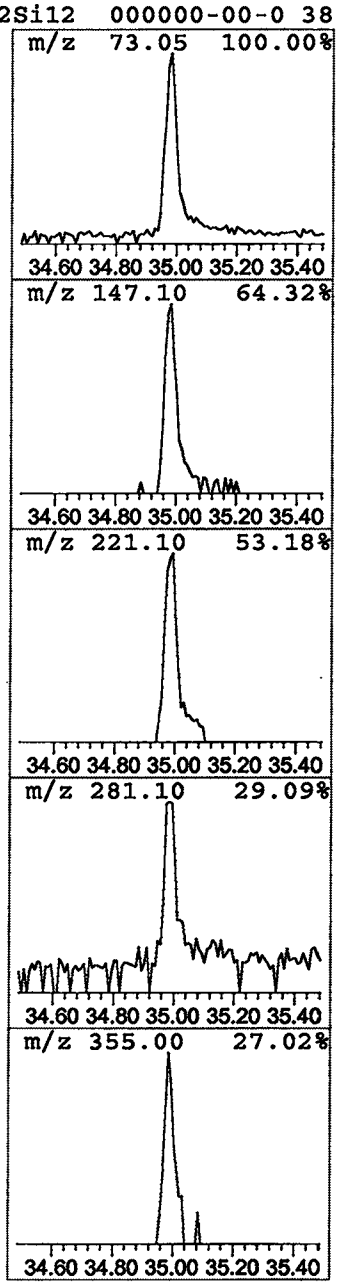
Peak Number 17 TETRACOSAMETHYLCYCLODODECAS... Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 34.98 | 0.50 ug/L | 158094 | Perylene-d12 | 34.21 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | TETRACOSAMETHYLCYCLODODECASILOXA... | 888 | C24H72O12Si12 | 018919-94-3 | 50 |
| 2 | 1H-Purin-6-amine, [(2-fluorophen... | 243 | C12H10FN5 | 074421-44-6 | 47 |
| 3 | BISTRIMETHYLSILYL N-ACETYL EICOS... | 511 | C28H57NO3Si2 | 000000-00-0 | 45 |
| 4 | SILICATE ANION TETRAMER | 888 | C24H72O12Si12 | 000000-00-0 | 38 |



Tentatively Identified Compound (LSC) summary

Operator ID: McLean  Date Acquired: 4 Mar 2002  5:38 pm
Data File: C:\MSDCHEM\1\DATA\030402\2338.D
Name: 1/31
Misc:
Method: C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title: Quantitation For Method 508gcscan
Library Searched: C:\DATABASE\WILEY7N.L

| TIC Top Hit name | RT | EstConc | Units | Response | Internal Standard # | Internal Standard RT | Internal Standard Resp | Internal Standard Conc |
|---|---|---|---|---|---|---|---|---|
| Ethane, 1,1,2,2-t... | 7.52 | 0.4 | ug/L | 136745 | 1 | 9.58 | 6666700 | 20.0 |
| Cyclotetrasiloxan... | 8.94 | 0.7 | ug/L | 235933 | 1 | 9.58 | 6666700 | 20.0 |
| Cyclopentasiloxan... | 12.08 | 2.8 | ug/L | 1237080 | 2 | 13.05 | 8816300 | 20.0 |
| Cyclohexasiloxane... | 15.14 | 4.6 | ug/L | 2041600 | 2 | 13.05 | 8816300 | 20.0 |
| 2,5-Dimethylhexan... | 15.98 | 0.4 | ug/L | 203824 | 3 | 18.17 | 9564720 | 20.0 |
| Pentasiloxane, do... | 17.88 | 3.2 | ug/L | 1550070 | 3 | 18.17 | 9564720 | 20.0 |
| Benzoic acid, 4-e... | 18.79 | 0.4 | ug/L | 208422 | 3 | 18.17 | 9564720 | 20.0 |
| Benzoic acid, 2,4... | 20.31 | 2.4 | ug/L | 1157150 | 3 | 18.17 | 9564720 | 20.0 |
| BISTRIMETHYLSILYL... | 22.41 | 1.9 | ug/L | 932276 | 4 | 22.52 | 9715870 | 20.0 |
| 3-Isopropoxy-1,1,... | 24.29 | 1.5 | ug/L | 716295 | 4 | 22.52 | 9715870 | 20.0 |
| Iron, monocarbony... | 26.01 | 1.3 | ug/L | 626957 | 4 | 22.52 | 9715870 | 20.0 |
| Iron, monocarbony... | 27.56 | 1.3 | ug/L | 643139 | 5 | 30.34 | 9681180 | 20.0 |
| TETRACOSAMETHYLCY... | 28.99 | 1.2 | ug/L | 580428 | 5 | 30.34 | 9681180 | 20.0 |
| TETRACOSAMETHYLCY... | 31.62 | 1.0 | ug/L | 473087 | 5 | 30.34 | 9681180 | 20.0 |
| Iron, monocarbony... | 32.82 | 1.1 | ug/L | 344694 | 6 | 34.21 | 6334280 | 20.0 |
| TETRACOSAMETHYLCY... | 33.93 | 0.8 | ug/L | 240803 | 6 | 34.21 | 6334280 | 20.0 |
| TETRACOSAMETHYLCY... | 34.98 | 0.5 | ug/L | 158094 | 6 | 34.21 | 6334280 | 20.0 |