User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 03/22/2002 Time: 10:52:14

Sample: AE03805
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 3/22/02 10:50 Ended: 3/22/02 10:50 Analyst: DLV
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | Other unknown compounds | | | | |
| 2 | Surr: 2,4-DDD | USPEC | 155 | | 5.0 |

**Comments for Sample AE03805 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 03-22-2002 Time: 10:52:29

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. Recoveries for the LCS Standard compounds were high. New acceptance ranges will be calculated.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\031902\3805.D Vial: 15
Acq On : 19 Mar 2002 11:07 pm Operator: McLean
Sample : RE-INJ 2/20 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 21 11:48:19 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 | 9.55 | 150 | 1499892 | 20.00 | ug/L | 0.00 |
| 10) Naphthalene-d8 | 13.03 | 136 | 4129943 | 20.00 | ug/L | 0.00 |
| 17) Acenaphthene-d10 | 18.13 | 164 | 2347929 | 20.00 | ug/L | 0.00 |
| 29) Phenanthrene-d10 | 22.50 | 188 | 3552674 | 20.00 | ug/L | 0.00 |
| 38) Chrysene-d12 | 30.30 | 240 | 3056077 | 20.00 | ug/L | -0.02 |
| 44) Perylene-d12 | 34.18 | 264 | 1608451 | 20.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 37) 2,4-ddd surr | 27.43 | 235 | 329101 | 7.77 | ug/L | 0.00 |
| Spiked Amount 5.000 | | | Recovery = 155.40% | | | |
| **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 | 24.65 | 149 | 5410 | 0.03 | ug/L | 79 |
| 36) Fluoranthene | 0.00 | 202 | 0 | N.D. | | |
| 39) Pyrene | 0.00 | 202 | 0 | N.D. | | |
| 40) Butylbenzylphthalate | 0.00 | 149 | 0 | N.D. | | |
| 41) Benzo (a) antracene | 0.00 | 228 | 0 | N.D. d | | |
| 42) Bis (2-ethylhexyl) phthala | 30.91 | 149 | 82920 | 0.69 | ug/L | 93 |
| 43) Chrysene | 0.00 | 228 | 0 | N.D. d | | |
| 45) Di-n-Octylphthalate | 0.00 | 149 | 0 | N.D. | | |
| 46) Benzo (b) fluoranthene | 0.00 | 252 | 0 | N.D. | | |

(#) = qualifier out of range (m) = manual integration
3805.D 5080302.M Thu Mar 21 11:48:53 2002 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\031902\3805.D Vial: 15
Acq On : 19 Mar 2002 11:07 pm Operator: McLean
Sample : RE-INJ 2/20 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 21 11:48:19 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

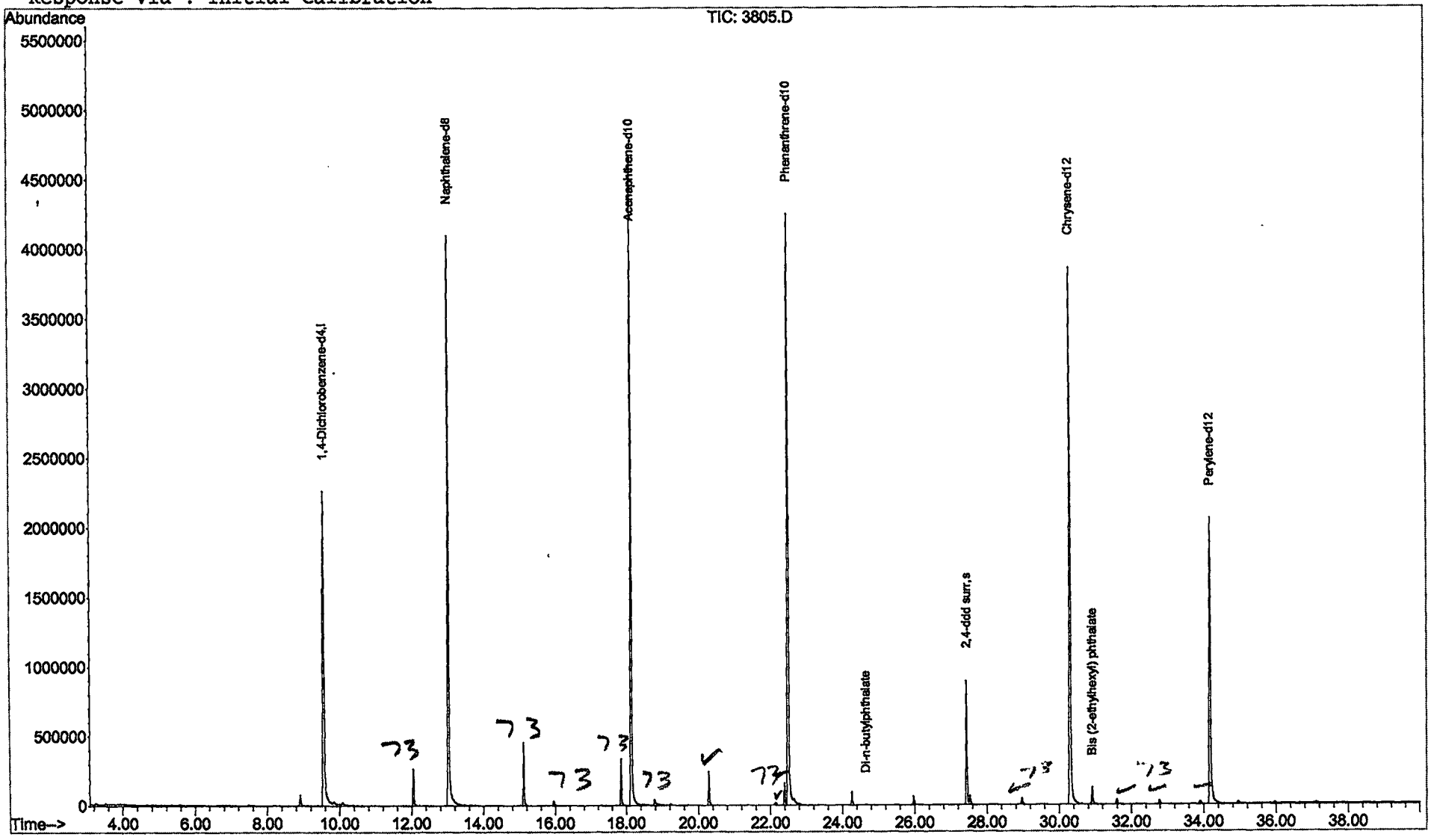
| Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|
| 47) Benzo (k) fluoranthene | 0.00 | 252 | 0 | N.D. | |
| 48) Benzo (a) pyrene | 0.00 | 252 | 0 | N.D. d | |
| 49) Indeno (1,2,3-cd) pyrene | 0.00 | 276 | 0 | N.D. | |
| 50) Dibenz (a,h) anthracene | 0.00 | 278 | 0 | N.D. | |
| 51) Benzo (g,h,i) perylene | 0.00 | 276 | 0 | N.D. | |

(#) = qualifier out of range (m) = manual integration
3805.D 5080302.M Thu Mar 21 11:48:53 2002 Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\031902\3805.D Vial: 15
Acq On : 19 Mar 2002 11:07 pm Operator: McLean
Sample : RE-INJ 2/20 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 21 11:48 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\031902\3805.D  Vial: 15
Acq On : 19 Mar 2002 11:07 pm  Operator: McLean
Sample : RE-INJ 2/20  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

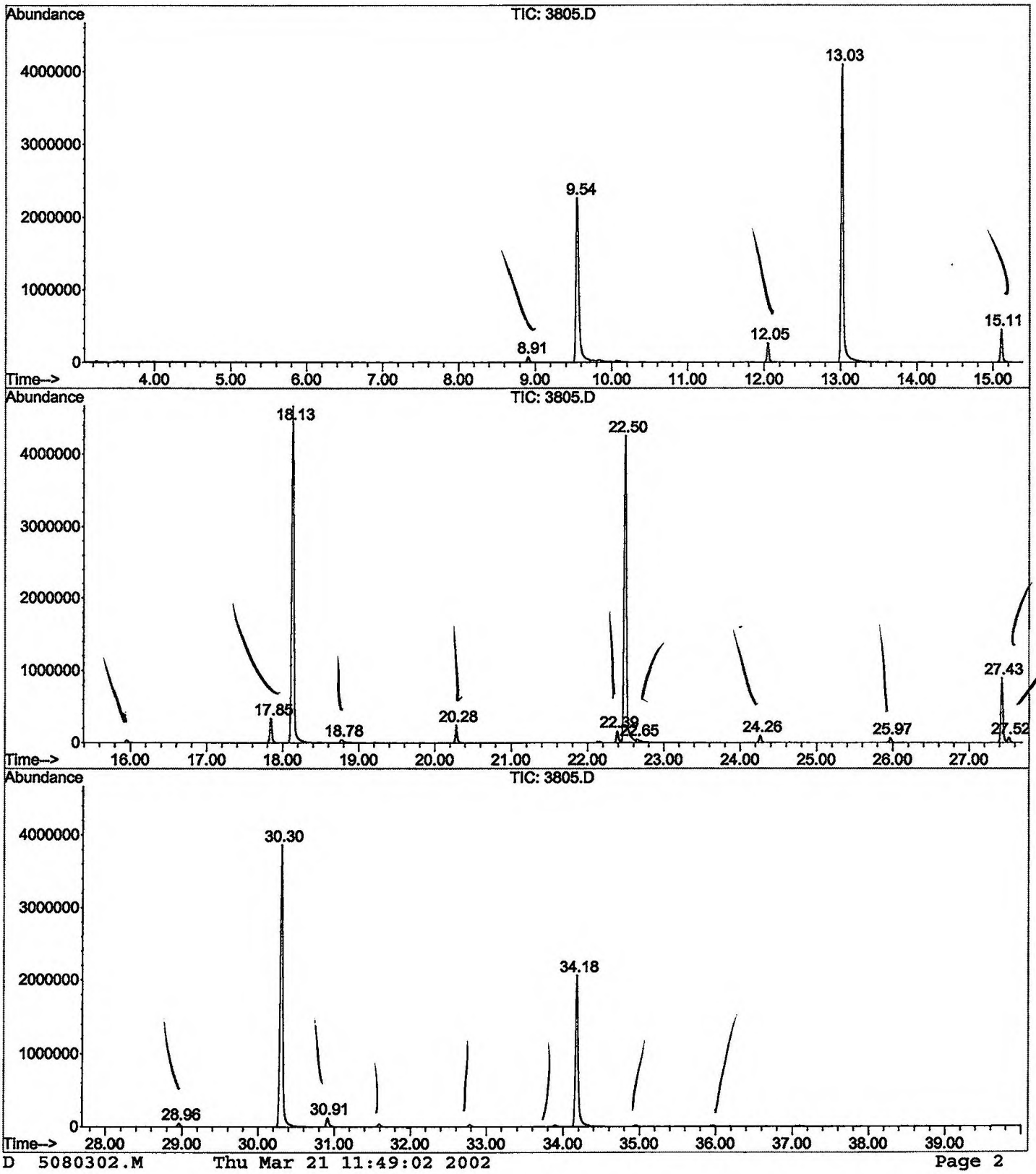
Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.908 | 639 | 643 | 651 | rBV | 75057 | 152952 | 1.58% | 0.281% |
| 2 | 9.543 | 708 | 713 | 733 | rBV | 2261897 | 6291502 | 64.94% | 11.578% |
| 3 | 12.046 | 985 | 989 | 1000 | rBV | 265514 | 493651 | 5.10% | 0.908% |
| 4 | 13.026 | 1091 | 1097 | 1118 | rBV | 4098988 | 8822054 | 91.06% | 16.235% |
| 5 | 15.112 | 1322 | 1327 | 1338 | rBV | 454618 | 806015 | 8.32% | 1.483% |
| 6 | 17.851 | 1624 | 1629 | 1639 | rBV | 334487 | 637961 | 6.58% | 1.174% |
| 7 | 18.133 | 1654 | 1660 | 1679 | rBV | 4668189 | 9678602 | 99.90% | 17.811% |
| 8 | 18.777 | 1727 | 1731 | 1739 | rBV2 | 41629 | 125400 | 1.29% | 0.231% |
| 9 | 20.282 | 1892 | 1897 | 1905 | rBV | 242103 | 441652 | 4.56% | 0.813% |
| 10 | 22.387 | 2124 | 2129 | 2135 | rBV2 | 157968 | 296071 | 3.06% | 0.545% |
| 11 | 22.495 | 2135 | 2141 | 2155 | rVV2 | 4250953 | 9688281 | 100.00% | 17.829% |
| 12 | 22.650 | 2156 | 2158 | 2171 | rVB3 | 36469 | 118382 | 1.22% | 0.218% |
| 13 | 24.264 | 2331 | 2336 | 2342 | rVB | 96006 | 179843 | 1.86% | 0.331% |
| 14 | 25.969 | 2519 | 2524 | 2531 | rBB2 | 63279 | 124870 | 1.29% | 0.230% |
| 15 | 27.430 | 2680 | 2685 | 2692 | rBV | 893989 | 1711758 | 17.67% | 3.150% |
| 16 | 27.520 | 2692 | 2695 | 2702 | rVB | 67199 | 144271 | 1.49% | 0.265% |
| 17 | 28.962 | 2849 | 2854 | 2861 | rBV2 | 46251 | 98724 | 1.02% | 0.182% |
| 18 | 30.305 | 2995 | 3002 | 3029 | rBV2 | 3861839 | 8976279 | 92.65% | 16.519% |
| 19 | 30.913 | 3064 | 3069 | 3079 | rBV | 121395 | 279685 | 2.89% | 0.515% |
| 20 | 34.178 | 3422 | 3429 | 3450 | rBV2 | 2057742 | 5271462 | 54.41% | 9.701% |

Sum of corrected areas: 54339415

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\031902\3805.D
Operator : McLean
Acquired : 19 Mar 2002 11:07 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: RE-INJ 2/20
Misc Info :
Vial Number: 15
Quant File :5080302.RES (RTE Integrator)



# Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\031902\3805.D  Vial: 15
Acq On : 19 Mar 2002 11:07 pm  Operator: McLean
Sample : RE-INJ 2/20  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

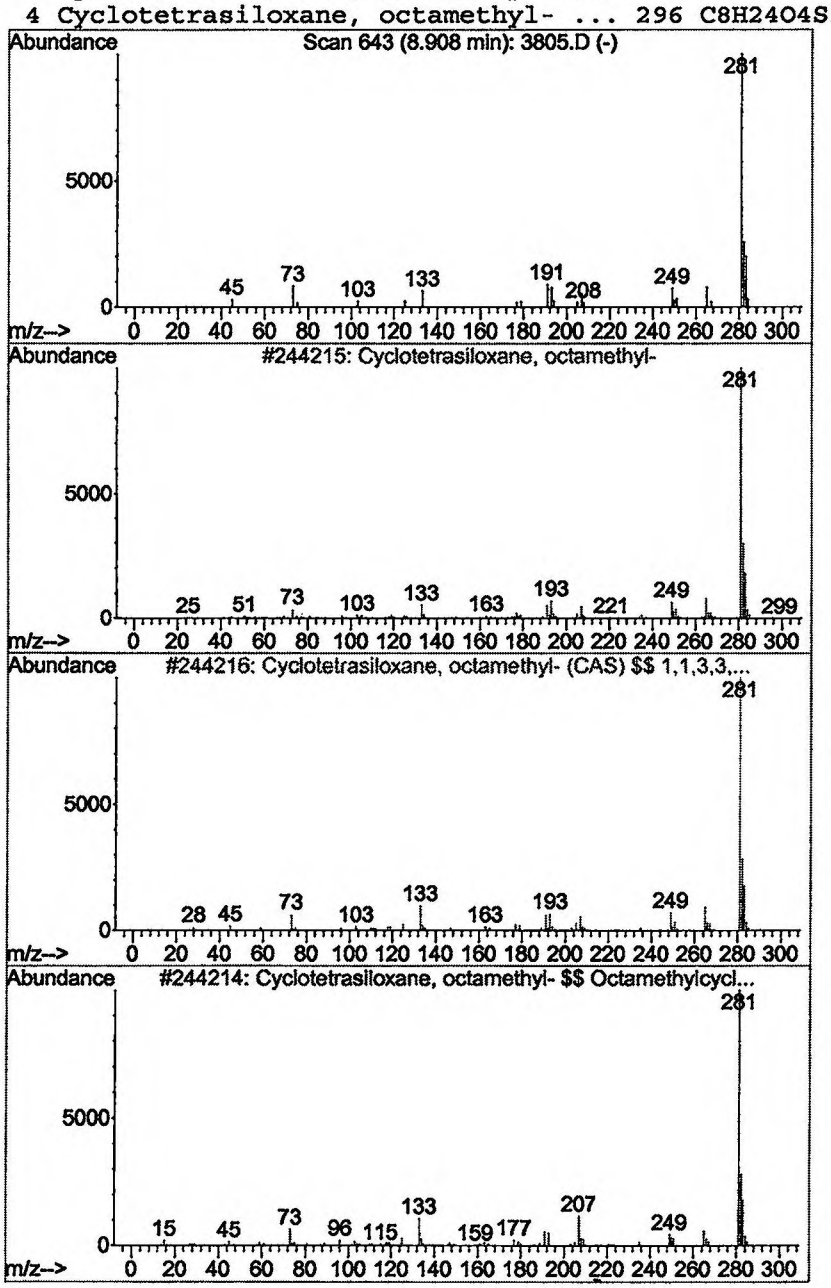
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

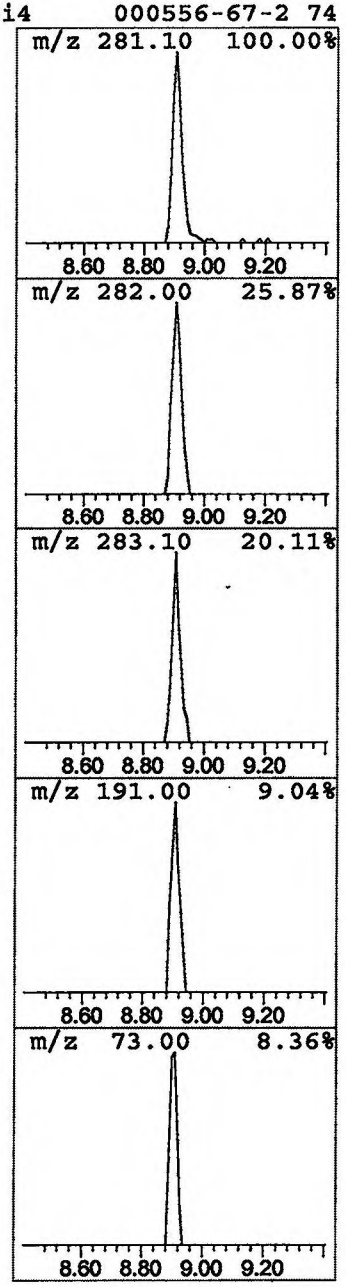
**********

Peak Number 1 Cyclotetrasiloxane, octamet... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.91 | 0.49 ug/L | 152952 | 1,4-Dichlorobenzene-d4 | 9.55 |

| 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 | 83 |
| 4 | Cyclotetrasiloxane, octamethyl- ... | 296 | C8H24O4Si4 | 000556-67-2 | 74 |



# Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\031902\3805.D  Vial: 15
Acq On : 19 Mar 2002 11:07 pm  Operator: McLean
Sample : RE-INJ 2/20  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

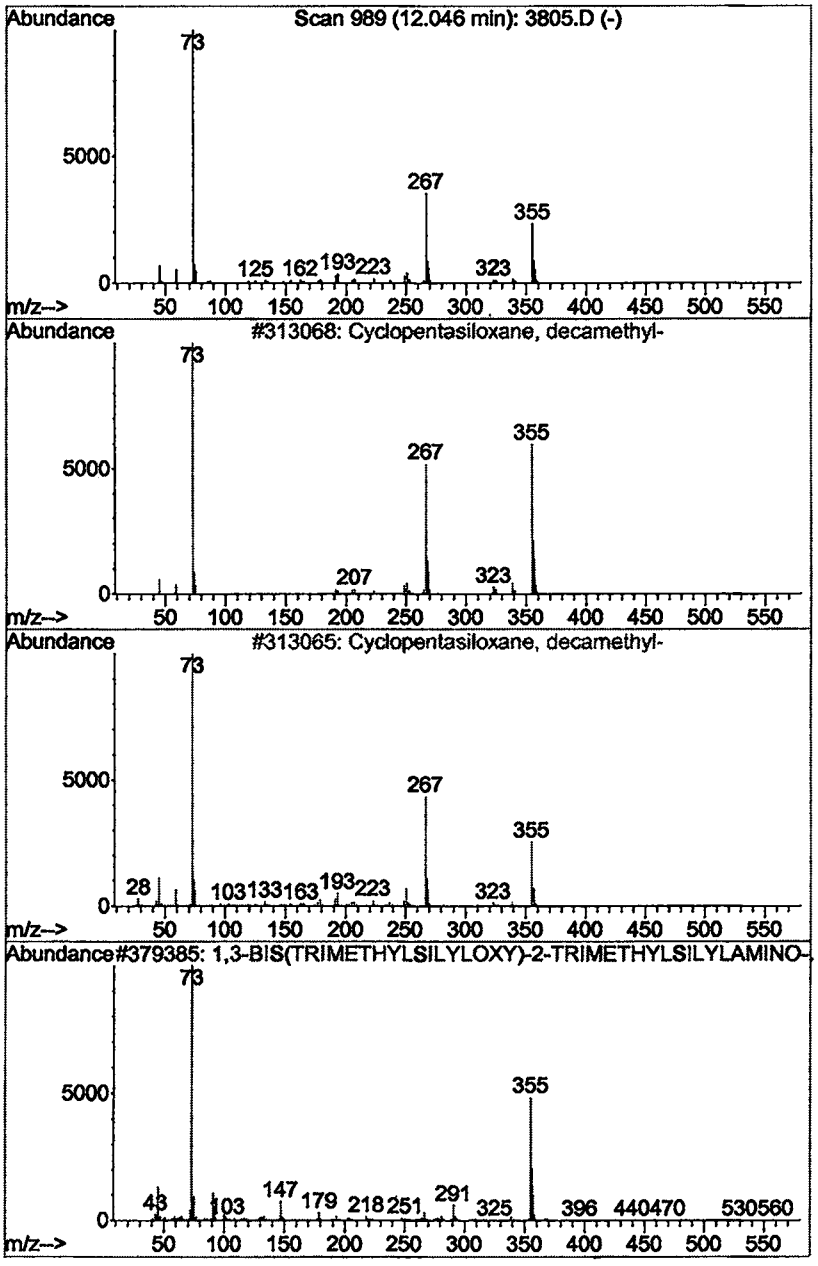
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

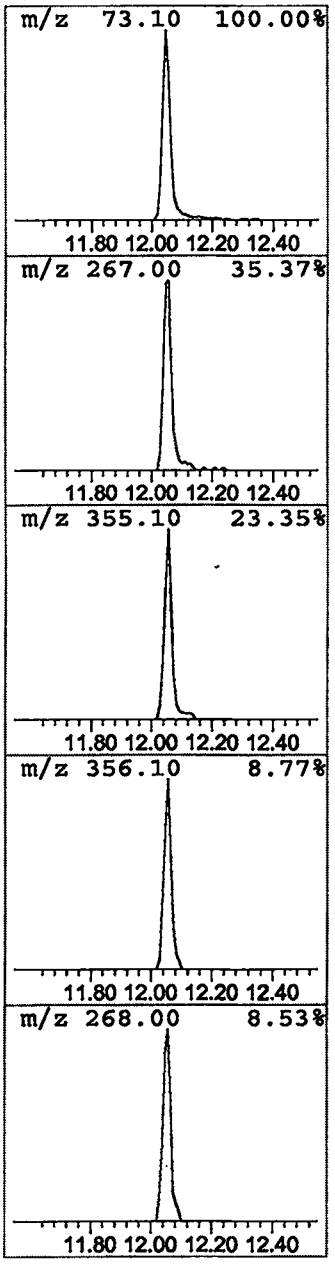
**********

Peak Number 2 Cyclopentasiloxane, decamet... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.05 | 1.12 ug/L | 493651 | Naphthalene-d8 | 13.03 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentasiloxane, decamethyl- | 370 | C10H30O5Si5 | 000541-02-6 | 91 |
| 2 | Cyclopentasiloxane, decamethyl- | 370 | C10H30O5Si5 | 000541-02-6 | 76 |
| 3 | 1,3-BIS(TRIMETHYLSILYLOXY)-2-TRI... | 573 | C24H51NO5Si5 | 000000-00-0 | 47 |
| 4 | 2-TRIMETHYLSILYLAMINO-1-TRIMETHY... | 457 | C20H43NO3Si4 | 068595-65-3 | 47 |



# Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\031902\3805.D  Vial: 15
Acq On : 19 Mar 2002 11:07 pm  Operator: McLean
Sample : RE-INJ 2/20  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

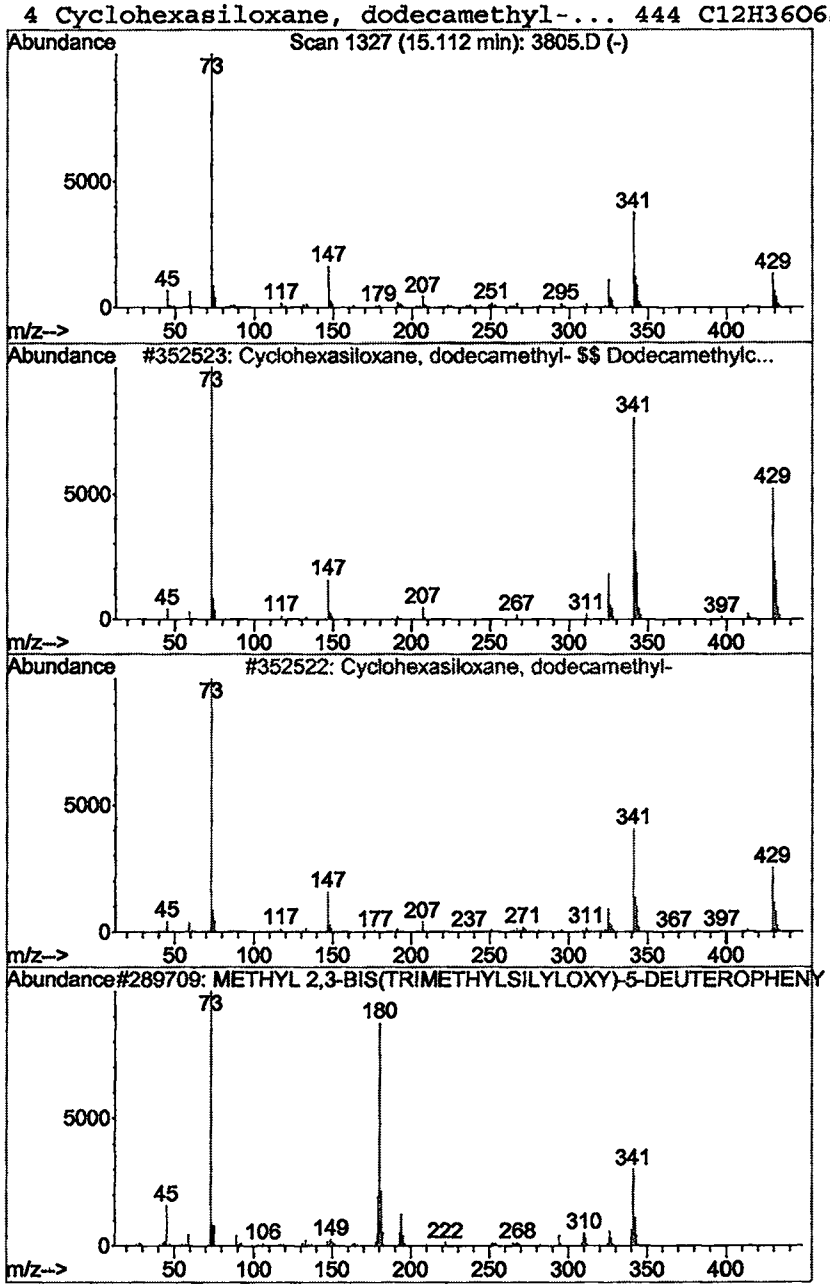
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

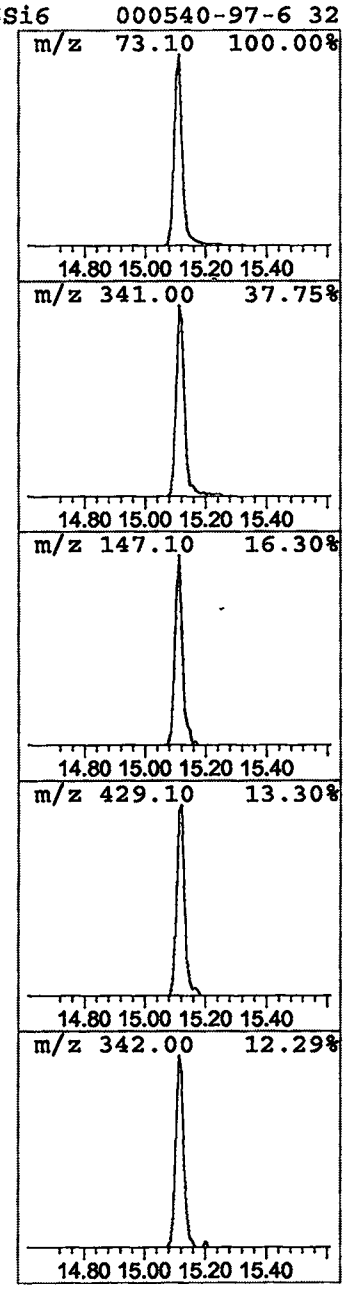
**********

Peak Number 3 Cyclohexasiloxane, dodecame... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.11 | 1.83 ug/L | 806015 | Naphthalene-d8 | 13.03 |

| 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 | 91 |
| 3 | METHYL 2,3-BIS(TRIMETHYLSILYLOXY... | 341 | C16H27DO4Si2 | 000000-00-0 | 38 |
| 4 | Cyclohexasiloxane, dodecamethyl-... | 444 | C12H36O6Si6 | 000540-97-6 | 32 |



# Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\031902\3805.D  Vial: 15
Acq On : 19 Mar 2002 11:07 pm  Operator: McLean
Sample : RE-INJ 2/20  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

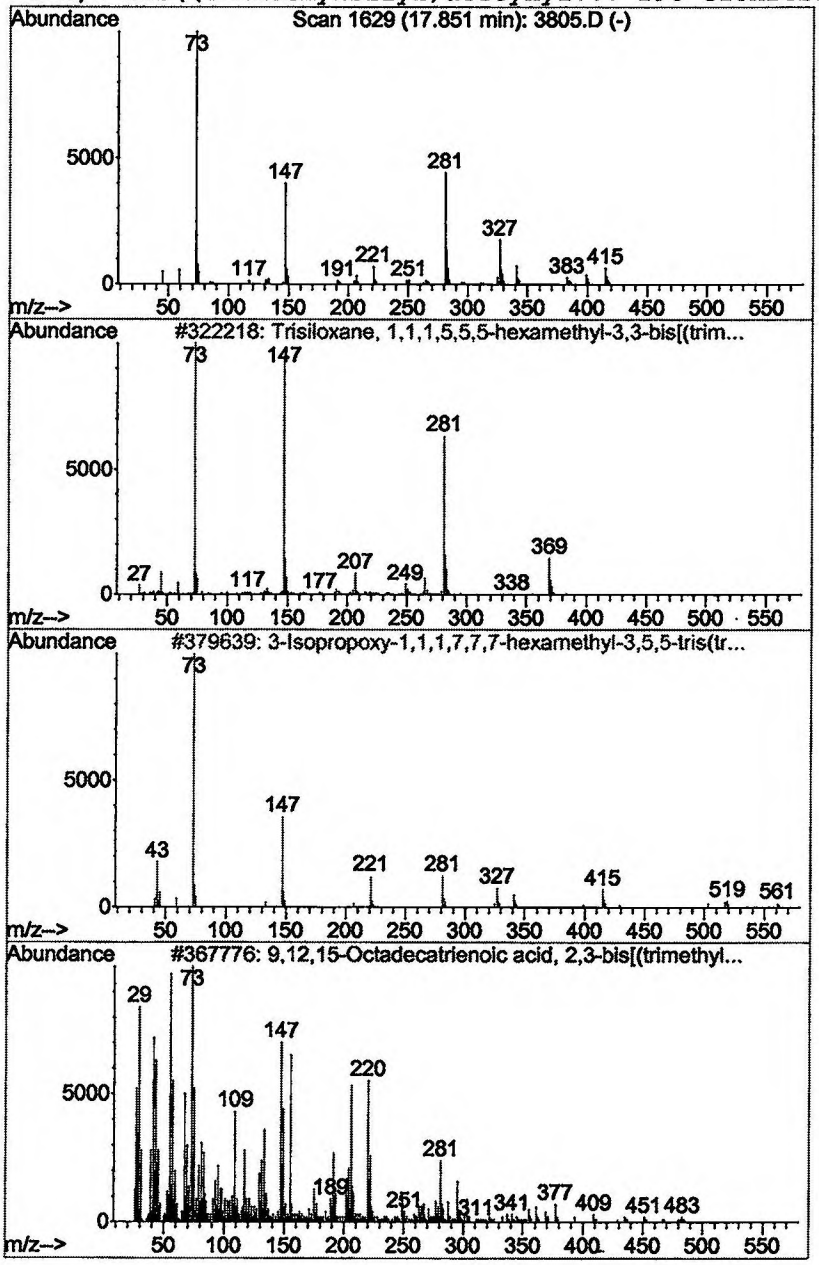
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

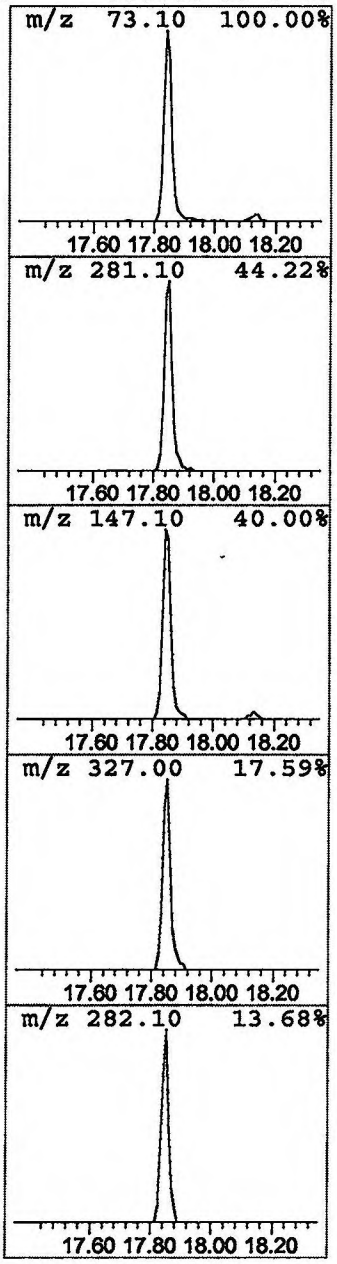
**********

Peak Number 4 Trisiloxane, 1,1,1,5,5,5-he... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.85 | 1.32 ug/L | 637961 | Acenaphthene-d10 | 18.13 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Trisiloxane, 1,1,1,5,5,5-hexamet... | 384 | C12H36O4Si5 | 003555-47-3 | 40 |
| 2 | 3-Isopropoxy-1,1,1,7,7,7-hexamet... | 576 | C18H52O7Si7 | 071579-69-6 | 27 |
| 3 | 9,12,15-Octadecatrienoic acid, 2... | 496 | C27H52O4Si2 | 055521-22-7 | 22 |
| 4 | 1,4-Bis((trimethylsilyl)acetynyl... | 296 | C18H24Si2 | 000000-00-0 | 20 |



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\031902\3805.D
Acq On : 19 Mar 2002 11:07 pm
Sample : RE-INJ 2/20
Misc :
MS Integration Params: LSCINT.P

Vial: 15
Operator: McLean
Inst : Instrumen
Multiplr: 1.00

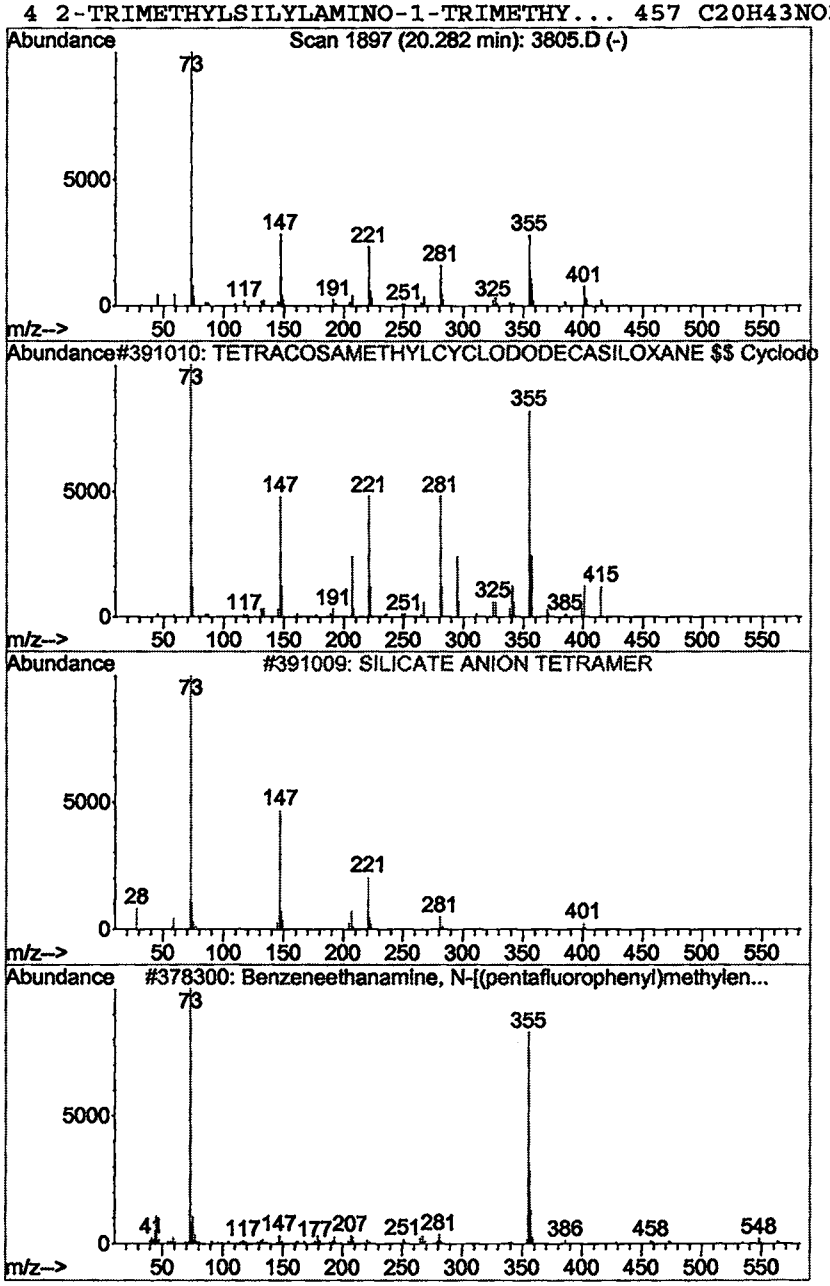
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

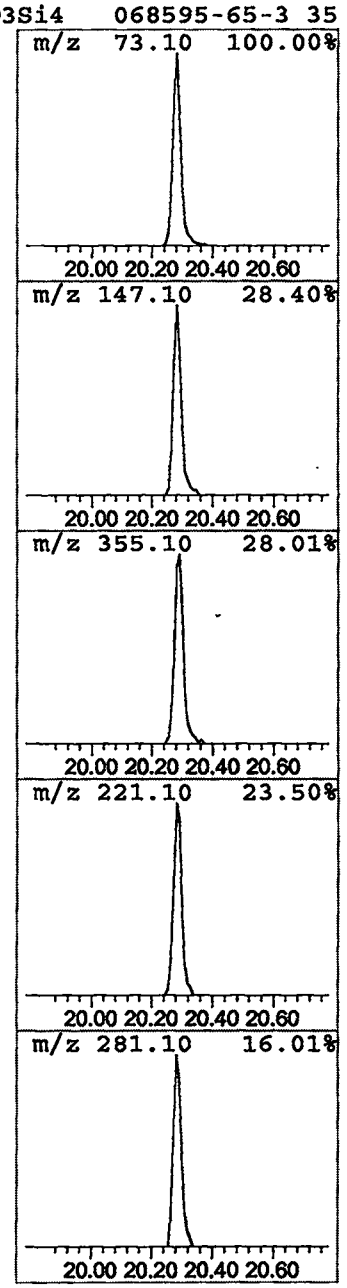
**********

Peak Number 5 TETRACOSAMETHYLCYCLODODECAS... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.28 | 0.91 ug/L | 441652 | Acenaphthene-d10 | 18.13 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | TETRACOSAMETHYLCYCLODODECASILOXA... | 888 | C24H72O12Si12 | 018919-94-3 | 78 |
| 2 | SILICATE ANION TETRAMER | 888 | C24H72O12Si12 | 000000-00-0 | 40 |
| 3 | Benzeneethanamine, N-[(pentafluo... | 563 | C24H34F5NO3Si3 | 055429-13-5 | 35 |
| 4 | 2-TRIMETHYLSILYLAMINO-1-TRIMETHY... | 457 | C20H43NO3Si4 | 068595-65-3 | 35 |



# Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\031902\3805.D  Vial: 15
Acq On : 19 Mar 2002 11:07 pm  Operator: McLean
Sample : RE-INJ 2/20  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

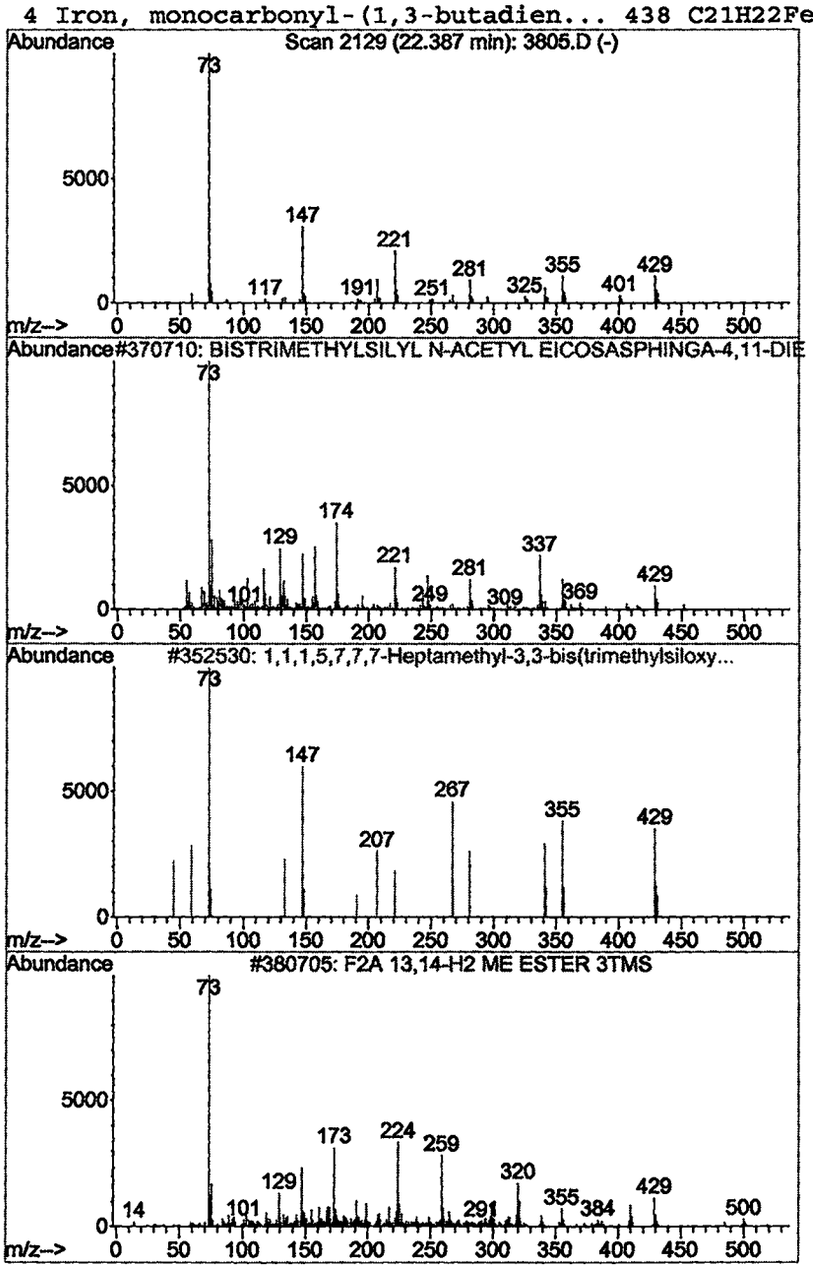
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

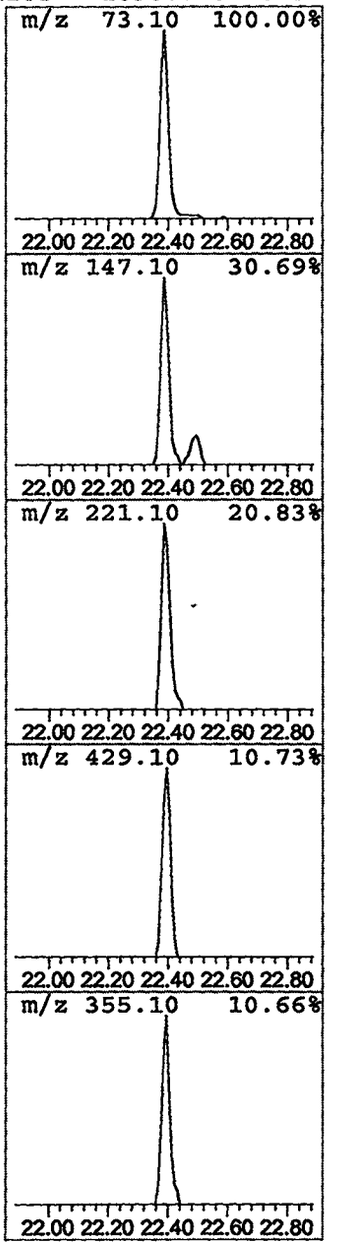
**********

Peak Number 6 BISTRIMETHYLSILYL N-ACETYL ... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.39 | 0.61 ug/L | 296071 | Phenanthrene-d10 | 22.50 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | BISTRIMETHYLSILYL N-ACETYL EICOS... | 511 | C28H57NO3Si2 | 000000-00-0 | 59 |
| 2 | 1,1,1,5,7,7,7-Heptamethyl-3,3-bi... | 444 | C13H40O5Si6 | 038147-00-1 | 42 |
| 3 | F2A 13,14-H2 ME ESTER 3TMS | 586 | C30H62O5Si3 | 000000-00-0 | 40 |
| 4 | Iron, monocarbonyl-(1,3-butadien... | 438 | C21H22FeN2O5 | 109007-87-6 | 38 |



Tentatively Identified Compound (LSC) summary

Operator ID: McLean  Date Acquired: 19 Mar 2002  11:07 pm
Data File: C:\MSDCHEM\1\DATA\031902\3805.D
Name: RE-INJ 2/20
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 |
|---|---|---|---|---|---|---|---|---|
| Cyclotetrasiloxan... | 8.91 | 0.5 | ug/L | 152952 | 1 | 9.55 | 6291500 | 20.0 |
| Cyclopentasiloxan... | 12.05 | 1.1 | ug/L | 493651 | 2 | 13.03 | 8822050 | 20.0 |
| Cyclohexasiloxane... | 15.11 | 1.8 | ug/L | 806015 | 2 | 13.03 | 8822050 | 20.0 |
| Trisiloxane, 1,1,... | 17.85 | 1.3 | ug/L | 637961 | 3 | 18.13 | 9678600 | 20.0 |
| TETRACOSAMETHYLCY... | 20.28 | 0.9 | ug/L | 441652 | 3 | 18.13 | 9678600 | 20.0 |
| BISTRIMETHYLSILYL... | 22.39 | 0.6 | ug/L | 296071 | 4 | 22.50 | 9688280 | 20.0 |