User: Fakhouri, Morgan
Westchester Dept. of Labs & Research
Date: 03/21/2002 Time: 11:12:00

Sample: AE01639
Analysis: $B1GCMS Blank for GCMS Scan
Units: ug
Started: 3/21/02 10:30 Ended: 3/21/02 10:30 Analyst: MF
Result source: manual entry
Page: 1

| | Component Name | Vial | 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/1,2-Diphenylhydraz | | < 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 |

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\031902\301LB.D Vial: 20
Acq On : 20 Mar 2002 4:50 am Operator: McLean
Sample : RE-INJ 3/1 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 21 06:34:42 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 | 9.54 | 150 | 1226580 | 20.00 | ug/L | 0.00 |
| 10) Naphthalene-d8 | 13.02 | 136 | 3460074 | 20.00 | ug/L | 0.00 |
| 17) Acenaphthene-d10 | 18.13 | 164 | 1920141 | 20.00 | ug/L | 0.00 |
| 29) Phenanthrene-d10 | 22.49 | 188 | 2959019 | 20.00 | ug/L | 0.00 |
| 38) Chrysene-d12 | 30.30 | 240 | 2618573 | 20.00 | ug/L | -0.02 |
| 44) Perylene-d12 | 34.18 | 264 | 1392445 | 20.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 37) 2,4-ddd surr | 27.43 | 235 | 243350 | 6.89 | ug/L | 0.00 |
| Spiked Amount 5.000 | | | Recovery = 137.80% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) N-nitroso-dimethyl amine | 0.00 | 74 | 0 | N.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 | 24.64 | 149 | 4482 | 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 | 0.00 | 149 | 0 | N.D. | | |
| 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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\031902\301LB.D Vial: 20
Acq On : 20 Mar 2002 4:50 am Operator: McLean
Sample : RE-INJ 3/1 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 21 06:34:42 2002 Quant Results File: 5080302.RES

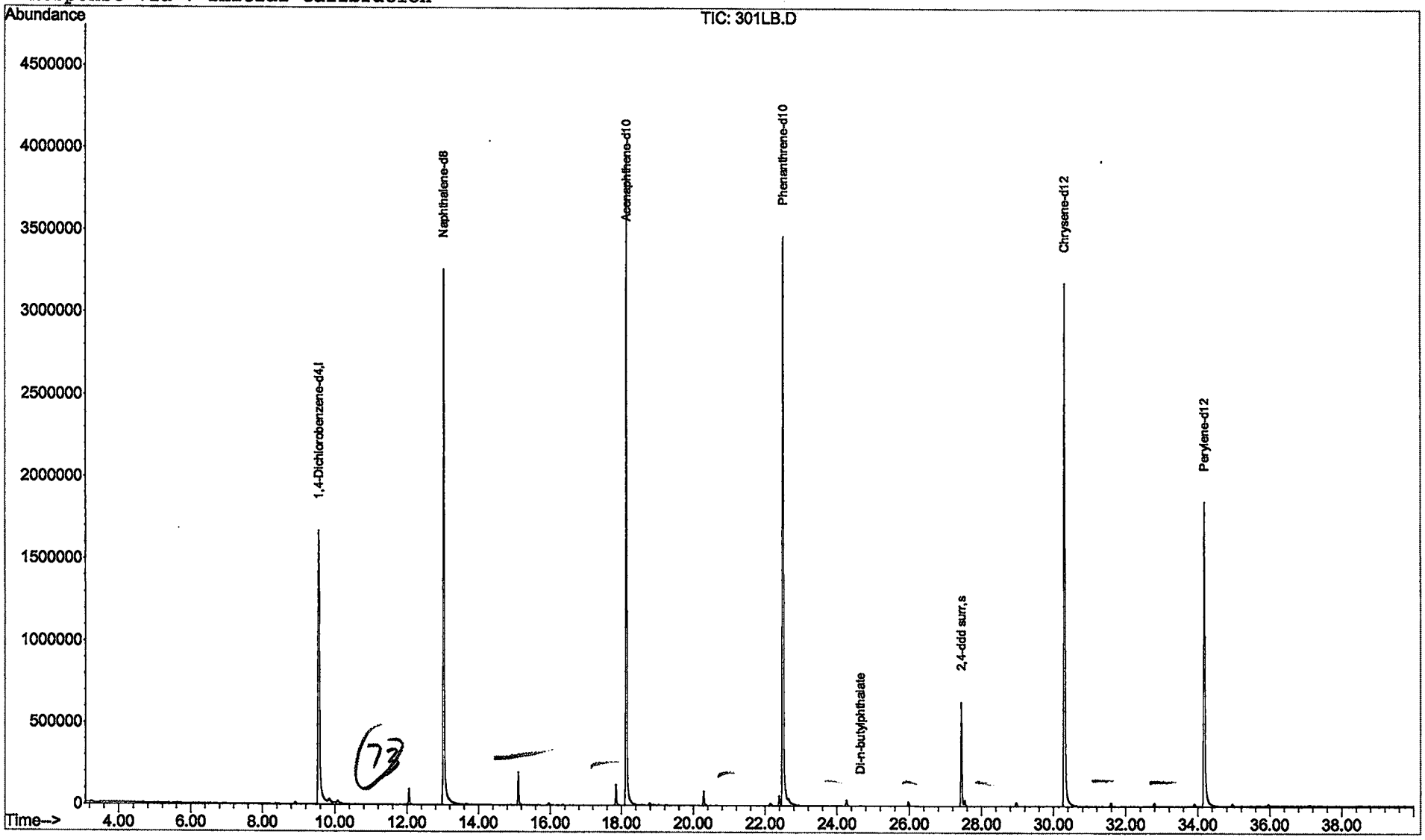
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Thu Mar 14 13:02:27 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

| 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
301LB.D 5080302.M Thu Mar 21 06:35:24 2002 Page 2

Data File : C:\MSDCHEM\1\DATA\031902\301LB.D Vial: 20
Acq On : 20 Mar 2002 4:50 am Operator: McLean
Sample : RE-INJ 3/1 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 21 6:35 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\301LB.D  Vial: 20
Acq On : 20 Mar 2002 4:50 am  Operator: McLean
Sample : RE-INJ 3/1  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

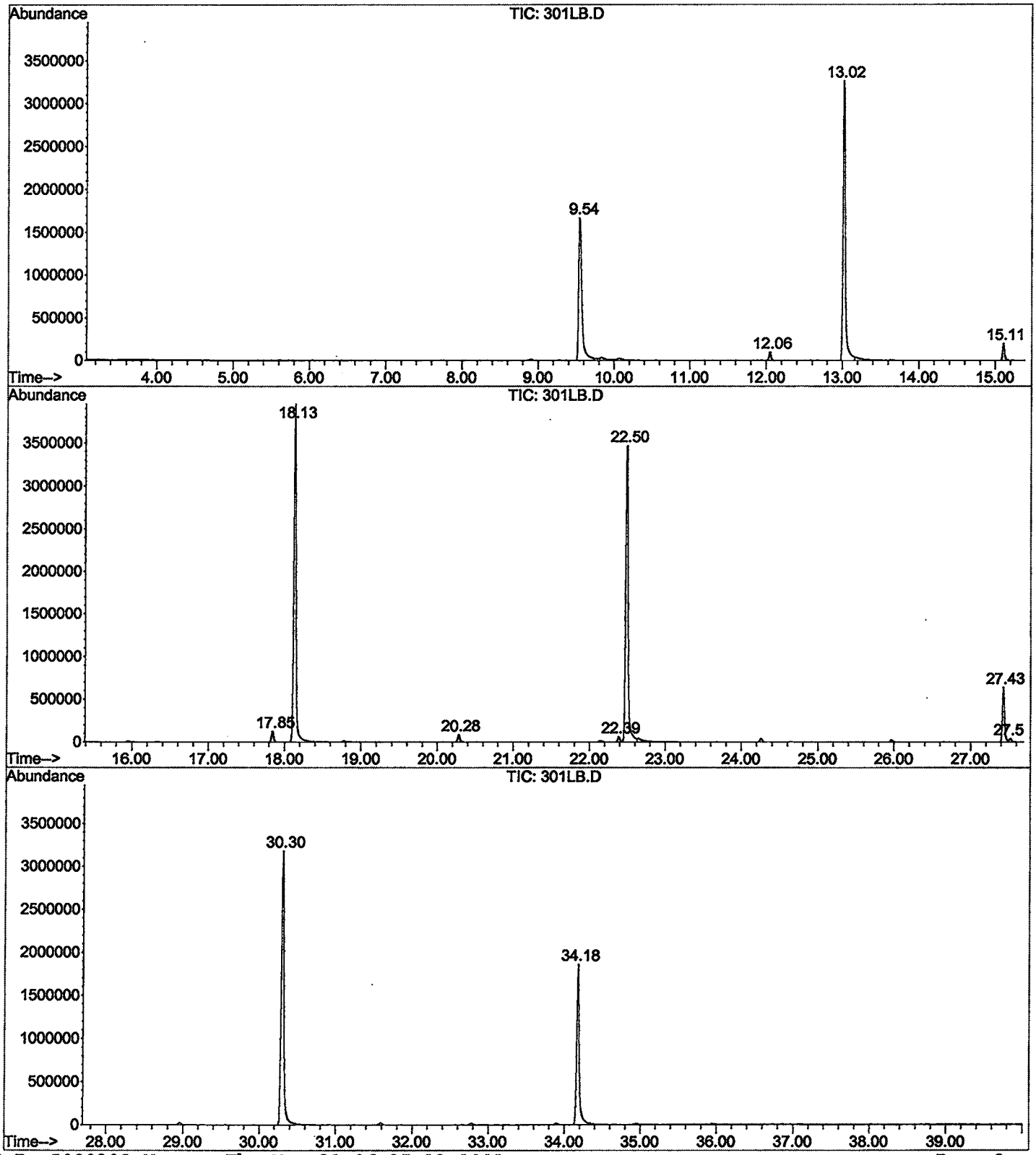
Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 9.543 | 709 | 713 | 735 | rBV | 1668414 | 5069680 | 62.79% | 11.812% |
| 2 | 12.055 | 985 | 990 | 1001 | rBV | 96929 | 179242 | 2.22% | 0.418% |
| 3 | 13.017 | 1091 | 1096 | 1112 | rBV | 3260868 | 7181480 | 88.95% | 16.733% |
| 4 | 15.112 | 1322 | 1327 | 1336 | rBV | 198920 | 362276 | 4.49% | 0.844% |
| 5 | 17.851 | 1623 | 1629 | 1638 | rBV2 | 126670 | 247852 | 3.07% | 0.577% |
| 6 | 18.133 | 1654 | 1660 | 1682 | rBV | 3952558 | 8005602 | 99.16% | 18.653% |
| 7 | 20.282 | 1893 | 1897 | 1906 | rVB | 87207 | 168187 | 2.08% | 0.392% |
| 8 | 22.386 | 2125 | 2129 | 2135 | rBV2 | 61070 | 112439 | 1.39% | 0.262% |
| 9 | 22.495 | 2135 | 2141 | 2156 | rBV2 | 3466362 | 8073704 | 100.00% | 18.812% |
| 10 | 27.430 | 2680 | 2685 | 2692 | rBV | 637055 | 1225429 | 15.18% | 2.855% |
| 11 | 27.529 | 2692 | 2696 | 2706 | rVB3 | 37386 | 92659 | 1.15% | 0.216% |
| 12 | 30.305 | 2995 | 3002 | 3026 | rBV | 3182153 | 7614725 | 94.32% | 17.742% |
| 13 | 34.178 | 3422 | 3429 | 3454 | rBV | 1856217 | 4584867 | 56.79% | 10.683% |

Sum of corrected areas: 42918142

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\031902\301LB.D
Operator : McLean
Acquired : 20 Mar 2002 4:50 am using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: RE-INJ 3/1
Misc Info :
Vial Number: 20
Quant File :5080302.RES (RTE Integrator)



# Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\031902\301LB.D  Vial: 20
Acq On : 20 Mar 2002 4:50 am  Operator: McLean
Sample : RE-INJ 3/1  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

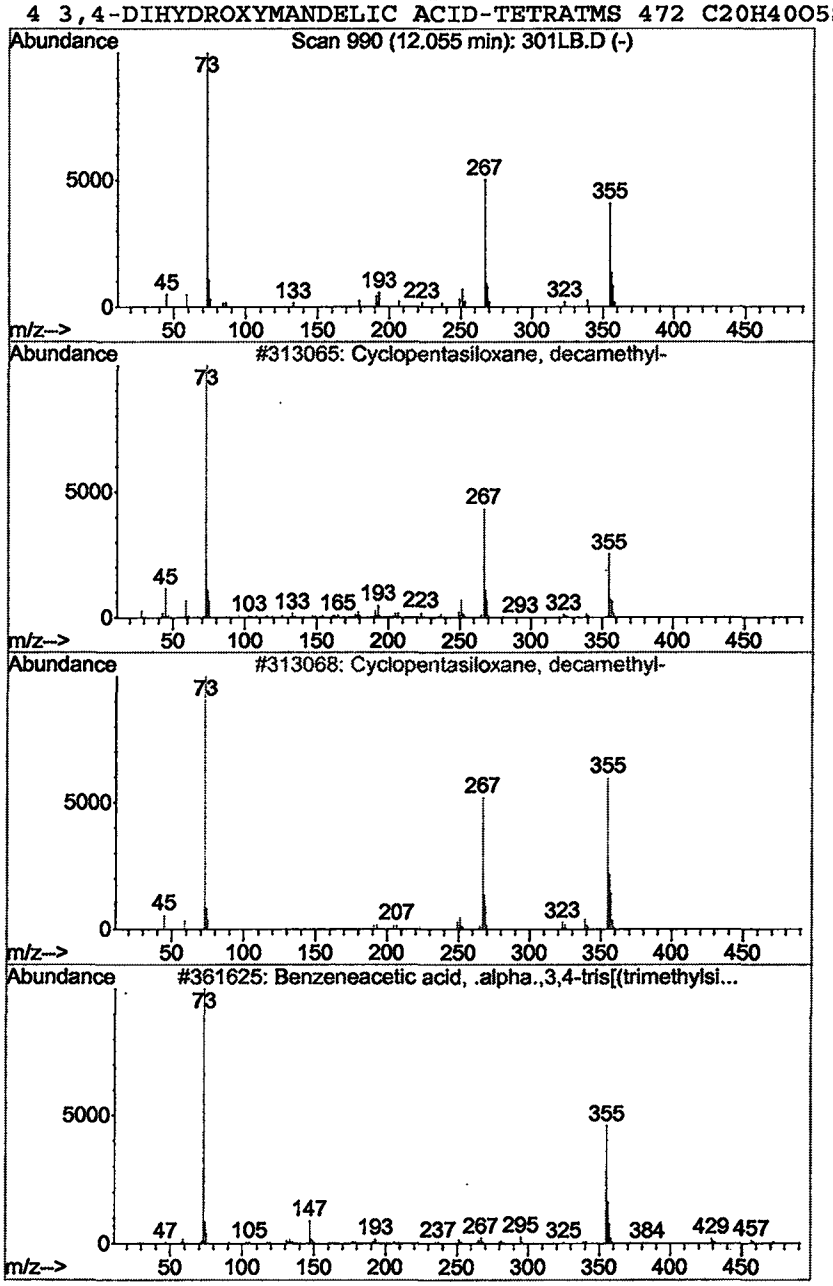
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

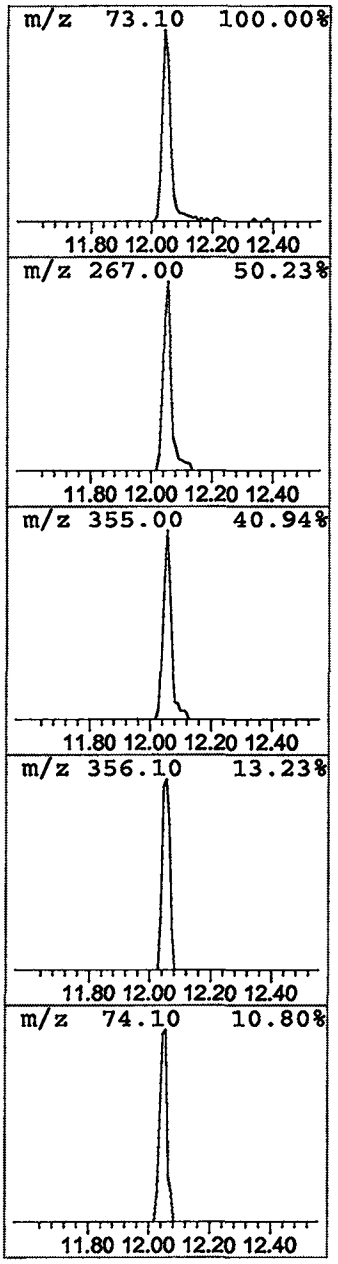
**********

Peak Number 1 Cyclopentasiloxane, decamet... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.06 | 0.50 ug/L | 179242 | Naphthalene-d8 | 13.02 |

| 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 | 90 |
| 3 | Benzeneacetic acid, .alpha.,3,4-... | 472 | C20H40O5Si4 | 037148-65-5 | 47 |
| 4 | 3,4-DIHYDROXYMANDELIC ACID-TETRATMS | 472 | C20H40O5Si4 | 000000-00-0 | 38 |



# Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\031902\301LB.D  Vial: 20
Acq On : 20 Mar 2002 4:50 am  Operator: McLean
Sample : RE-INJ 3/1  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

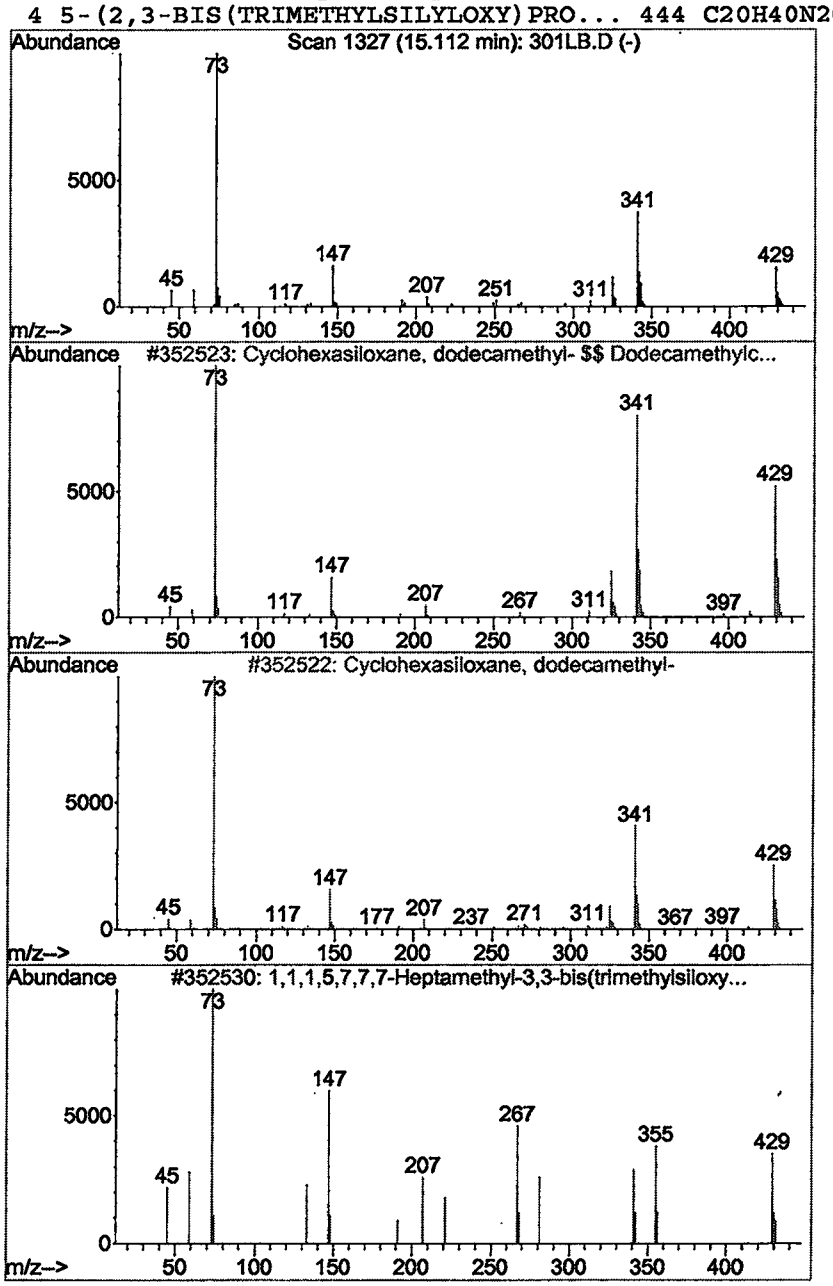
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

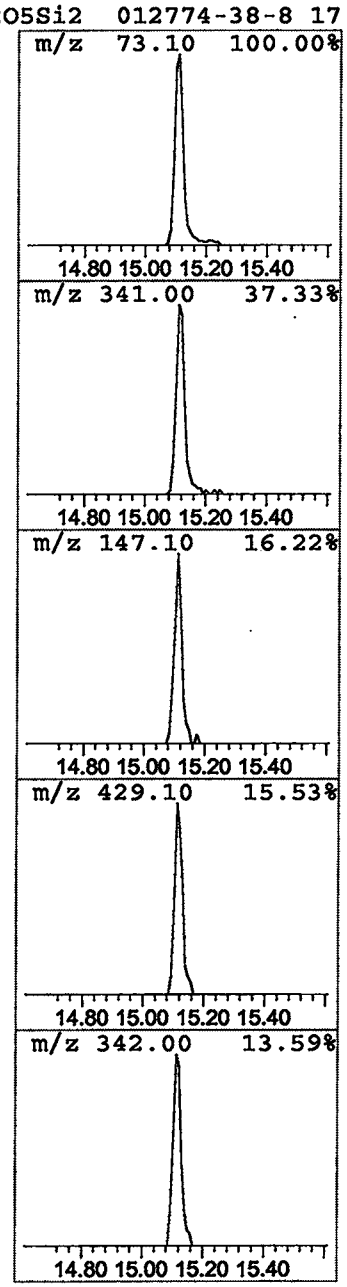
**********

Peak Number 2 Cyclohexasiloxane, dodecame... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.11 | 1.01 ug/L | 362276 | Naphthalene-d8 | 13.02 |

| 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 | 59 |
| 3 | 1,1,1,5,7,7,7-Heptamethyl-3,3-bi... | 444 | C13H40O5Si6 | 038147-00-1 | 17 |
| 4 | 5-(2,3-BIS(TRIMETHYLSILYLOXY)PRO... | 444 | C20H40N2O5Si2 | 012774-38-8 | 17 |



Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\031902\301LB.D  Vial: 20
Acq On : 20 Mar 2002 4:50 am  Operator: McLean
Sample : RE-INJ 3/1  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

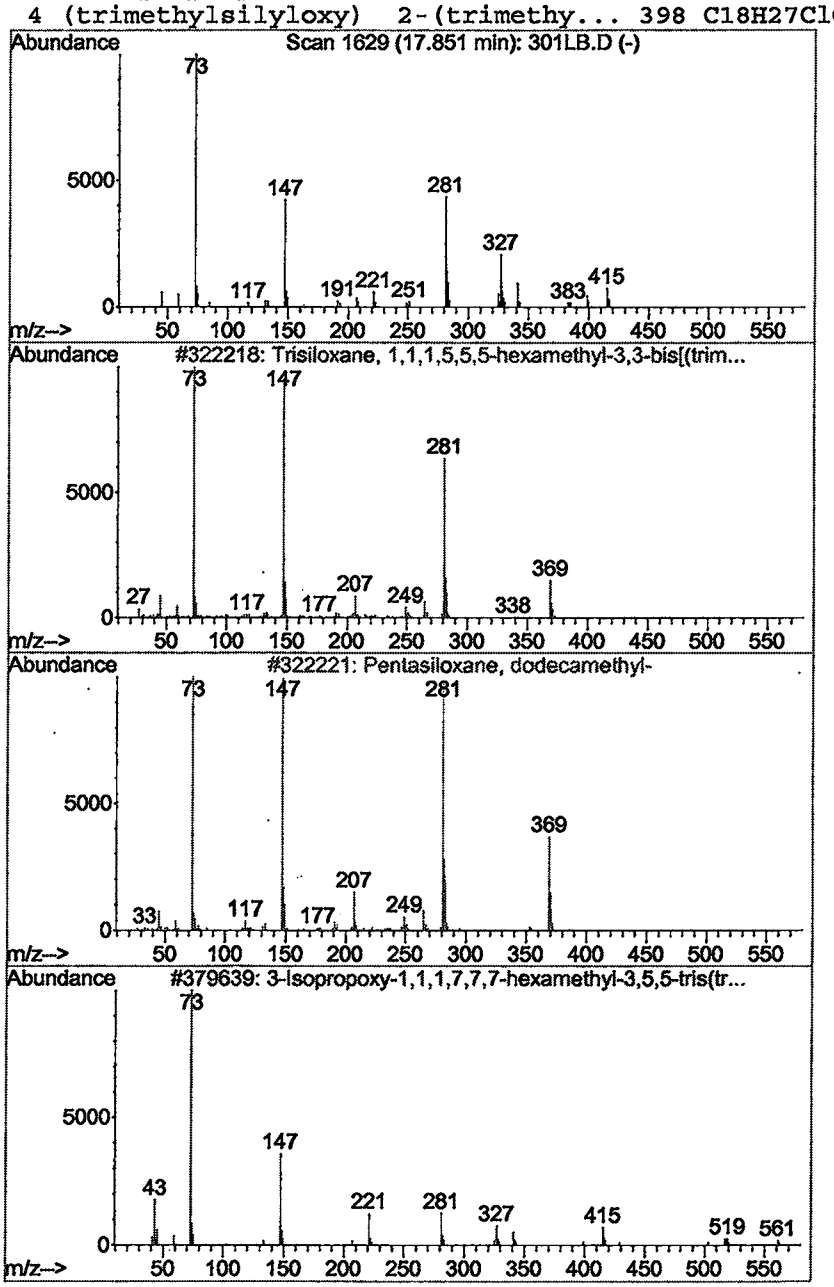
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

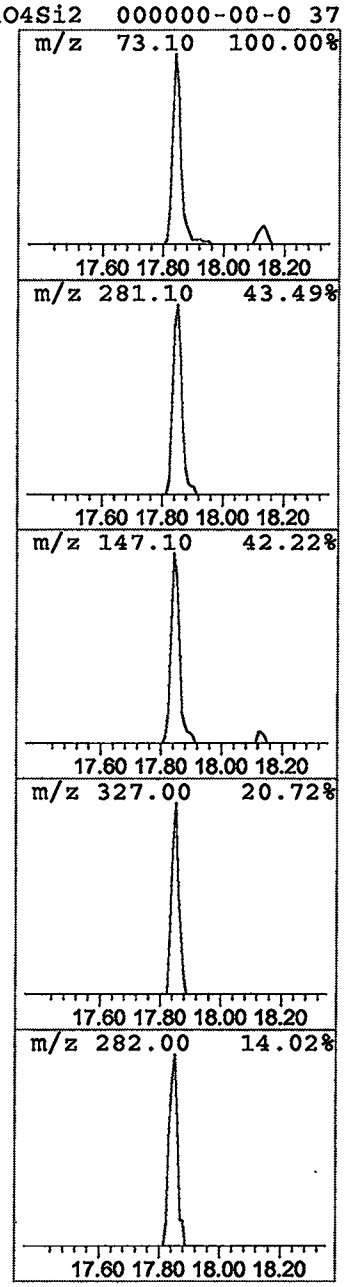
**********

Peak Number 3 Trisiloxane, 1,1,1,5,5,5-he... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.85 | 0.62 ug/L | 247852 | 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 | 43 |
| 2 | Pentasiloxane, dodecamethyl- | 384 | C12H36O4Si5 | 000141-63-9 | 42 |
| 3 | 3-Isopropoxy-1,1,1,7,7,7-hexamet... | 576 | C18H52O7Si7 | 071579-69-6 | 40 |
| 4 | (trimethylsilyloxy) 2-(trimethy... | 398 | C18H27ClO4Si2 | 000000-00-0 | 37 |



# Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\031902\301LB.D  Vial: 20
Acq On : 20 Mar 2002 4:50 am  Operator: McLean
Sample : RE-INJ 3/1  Inst : Instrumen
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

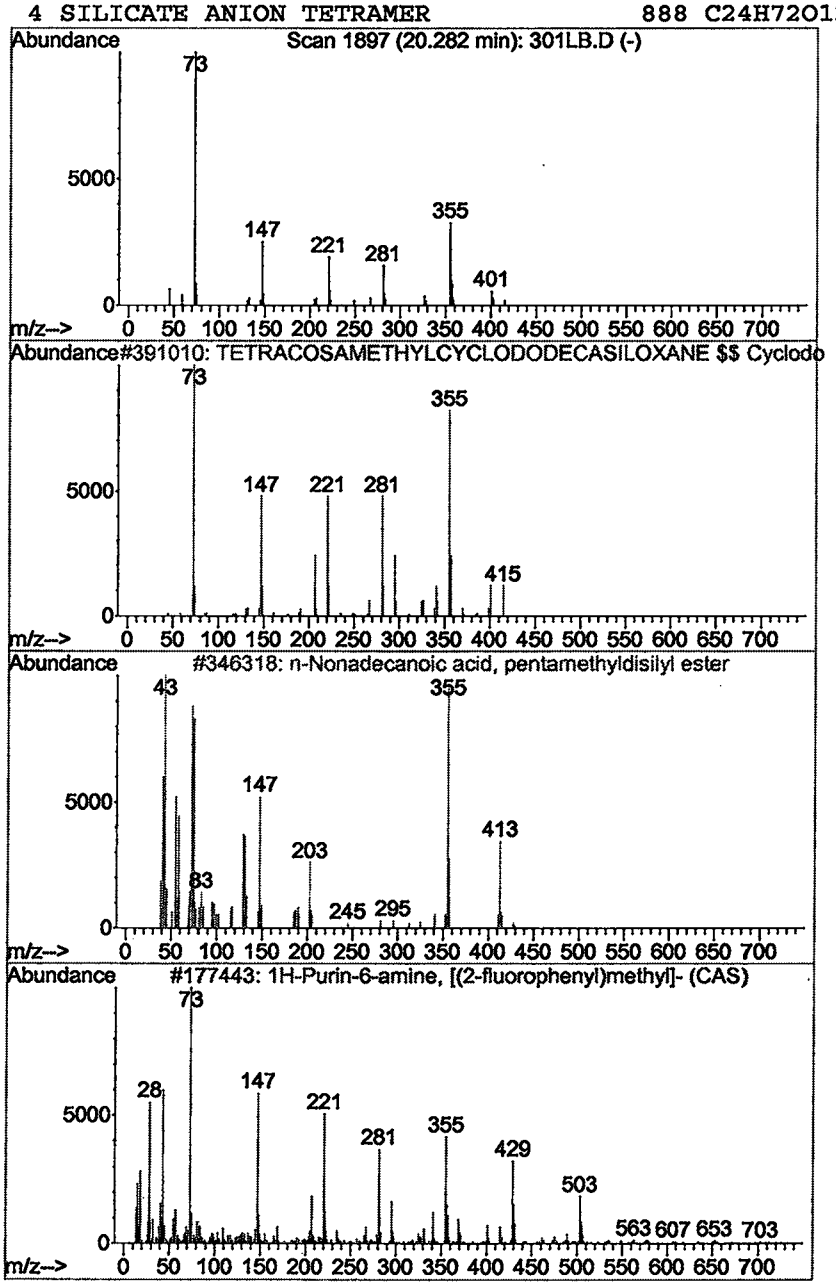
Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Library : C:\DATABASE\WILEY7N.L

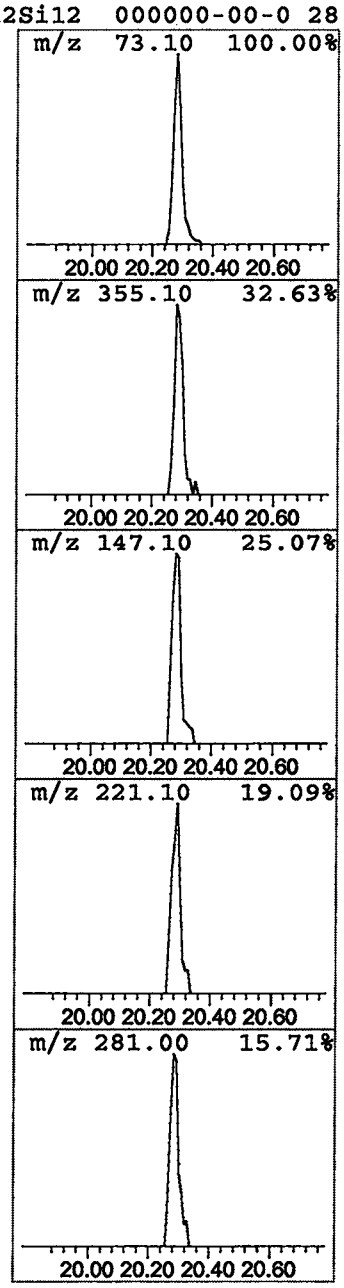
**********

Peak Number 4 TETRACOSAMETHYLCYCLODODECAS... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.28 | 0.42 ug/L | 168187 | Acenaphthene-d10 | 18.13 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | TETRACOSAMETHYLCYCLODODECASILOXA... | 888 | C24H72O12Si12 | 018919-94-3 | 72 |
| 2 | n-Nonadecanoic acid, pentamethyl... | 428 | C24H52O2Si2 | 000000-00-0 | 35 |
| 3 | 1H-Purin-6-amine, [(2-fluorophen... | 243 | C12H10FN5 | 074421-44-6 | 32 |
| 4 | SILICATE ANION TETRAMER | 888 | C24H72O12Si12 | 000000-00-0 | 28 |



Tentatively Identified Compound (LSC) summary

Operator ID: McLean  Date Acquired: 20 Mar 2002  4:50 am
Data File: C:\MSDCHEM\1\DATA\031902\301LB.D
Name: RE-INJ 3/1
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 |
|---|---|---|---|---|---|---|---|---|
| Cyclopentasiloxan... | 12.06 | 0.5 | ug/L | 179242 | 2 | 13.02 | 7181480 | 20.0 |
| Cyclohexasiloxane... | 15.11 | 1.0 | ug/L | 362276 | 2 | 13.02 | 7181480 | 20.0 |
| Trisiloxane, 1,1,... | 17.85 | 0.6 | ug/L | 247852 | 3 | 18.13 | 8005600 | 20.0 |
| TETRACOSAMETHYLCY... | 20.28 | 0.4 | ug/L | 168187 | 3 | 18.13 | 8005600 | 20.0 |