User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 03/29/2002 Time: 16:45:37

Sample: AE04848
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 3/29/02 16:43 Ended: 3/29/02 16:43 Analyst: DLV
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | Other unknown compounds | | | | |
| 2 | Surr_2,4-DDD | | 85 | | 5.0 |

**Comments for Sample AE04848 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 03-29-2002 Time: 16:45:40

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 1of the 43 compounds in the LCS Standard was below its acceptance range.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAR2602\4848.D Vial: 21
Acq On : 27 Mar 2002 5:32 am Operator:
Sample : gc/ms scan 3/7 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 29 11:21 2002 Quant Results File: GCMS0308.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Mar 29 10:31:28 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0308

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 12.25 | 152 | 682842 | 20.00 | ug/l | -0.10 |
| 10) Naphthalene-d8 | 15.88 | 136 | 2603147 | 20.00 | ug/l | -0.11 |
| 17) Acenaphthene-d10 | 21.20 | 164 | 1398543 | 20.00 | ug/l | -0.11 |
| 29) Phenanthrene-d10 | 25.64 | 188 | 2029871 | 20.00 | ug/l | -0.12 |
| 38) Chrysene-d12 | 33.69 | 240 | 1046605 | 20.00 | ug/l | -0.15 |
| 44) Perylene-d12 | 37.94 | 264 | 578371 | 20.00 | ug/l | -0.18 |
| **System Monitoring Compounds** | | | | | | |
| 37) 2,4-DDD | 30.71 | 235 | 86533 | 4.25 | ug/mL | 0.21 |
| Spiked Amount 5.000 | | | Recovery = 85.00% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) N-nitroso-dimethyl amine | 5.49 | 74 | 201 | 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-Chloropropan | 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)methane | 0.00 | 93 | 0 | N.D. | | |
| 14) 1,2,4-Trichlorobenzene | 0.00 | 180 | 0 | N.D. | | |
| 15) Naphthalene | 15.95 | 128 | 454 | 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. | | |
| 22) Acenaphthylene | 0.00 | 152 | 0 | N.D. | | |
| 23) Acenaphthene | 0.00 | 153 | 0 | N.D. | | |
| 24) 2,4-Dinitrotoluene | 21.52 | 165 | 285 | N.D. | | |
| 25) Diethylphthalate | 22.68 | 149 | 470 | N.D. | | |
| 26) 4-Chlorophenyl-phenylether | 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. | | |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAR2602\4848.D Vial: 21
Acq On : 27 Mar 2002 5:32 am Operator:
Sample : gc/ms scan 3/7 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 29 11:21 2002 Quant Results File: GCMS0308.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Mar 29 10:31:28 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0308

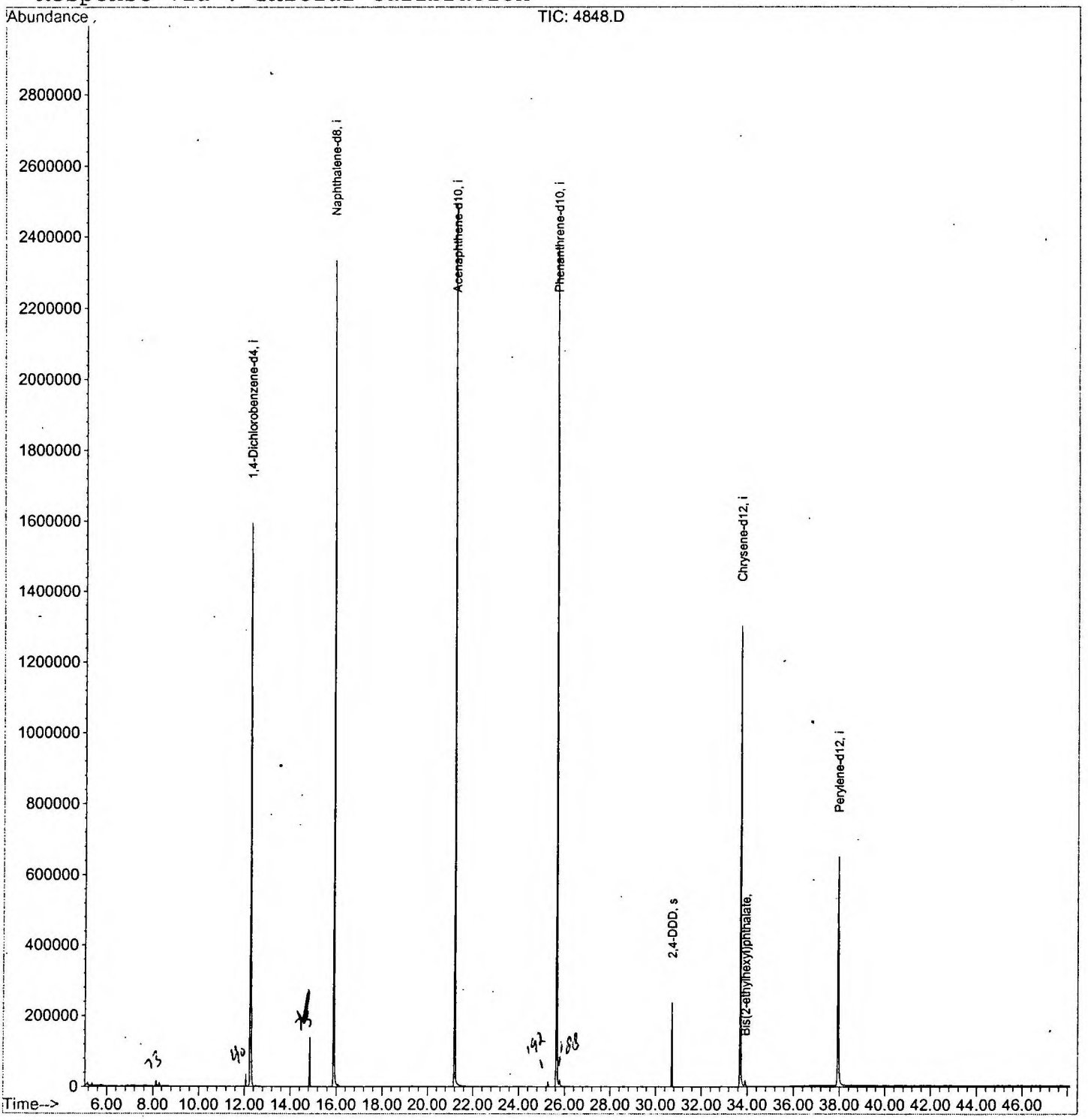
| | Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|---|
| 30) | N-Nitrosodiphenylamine | 0.00 | 168 | 0 | N.D. | |
| 31) | 4-Bromophenyl-phenylether | 0.00 | 248 | 0 | N.D. | |
| 32) | Hexachlorobenzene | 0.00 | 284 | 0 | N.D. | |
| 33) | Phenanthrene | 25.64 | 178 | 438 | N.D. | |
| 34) | Anthracene | 25.64 | 178 | 438 | N.D. | |
| 35) | Di-n-butylphthalate | 27.60 | 149 | 3387 | N.D. | |
| 36) | Fluoranthene | 0.00 | 202 | 0 | N.D. | |
| 39) | Pyrene | 0.00 | 202 | 0 | N.D. | |
| 40) | Butylbenzylphthalate | 32.12 | 149 | 265 | N.D. | |
| 41) | Benzo(a)anthracene | 33.69 | 228 | 3304 | N.D. | |
| 42) | Bis(2-ethylhexyl)phthalate | 33.91 | 149 | 10871 | 0.26 ug/l # | 96 |
| 43) | Chrysene | 33.78 | 228 | 485 | N.D. | |
| 45) | Di-n-Octylphthalate | 0.00 | 149 | 0 | N.D. | |
| 46) | Benzo(b)fluoranthene | 36.75 | 252 | 321 | N.D. | |
| 47) | Benzo(k)fluoranthene | 36.82 | 252 | 204 | N.D. | |
| 48) | Benzo(a)pyrene | 37.94 | 252 | 2421 | N.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

# Quantitation Report

Data File : C:\HPCHEM\1\DATA\MAR2602\4848.D Vial: 21
Acq On : 27 Mar 2002 5:32 am Operator:
Sample : gc/ms scan 3/7 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 29 11:21 2002 Quant Results File: GCMS0308.RES

Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Mar 29 10:31:28 2002
Response via : Initial Calibration



# LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\MAR2602\4848.D  Vial: 21
Acq On : 27 Mar 2002 5:32 am  Operator:
Sample : gc/ms scan 3/7  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
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

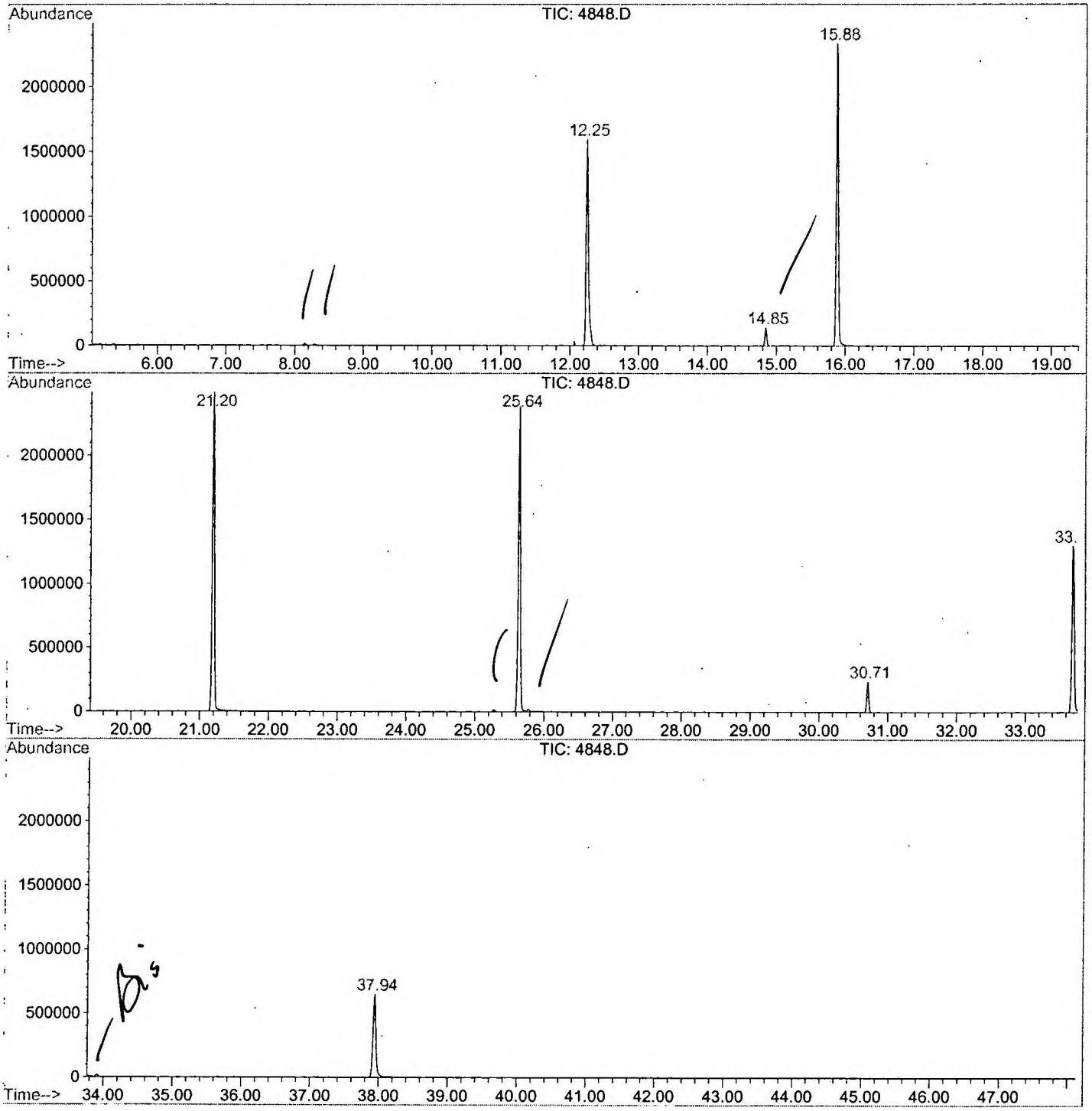
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 12.249 | 780 | 785 | 801 | rVB | 1592460 | 3677747 | 68.50% | 14.875% |
| 2 | 14.847 | 1063 | 1068 | 1077 | rVB | 139208 | 264084 | 4.92% | 1.068% |
| 3 | 15.884 | 1175 | 1181 | 1198 | rBV | 2333967 | 4889280 | 91.07% | 19.775% |
| 4 | 21.199 | 1753 | 1760 | 1780 | rBV | 2493520 | 5368910 | 100.00% | 21.715% |
| 5 | 25.643 | 2237 | 2244 | 2254 | rBV | 2378283 | 5095883 | 94.91% | 20.611% |
| 6 | 30.710 | 2791 | 2796 | 2806 | rVB | 238223 | 433153 | 8.07% | 1.752% |
| 7 | 33.694 | 3114 | 3121 | 3137 | rBV2 | 1303169 | 3025888 | 56.36% | 12.239% |
| 8 | 37.944 | 3575 | 3584 | 3602 | rBV2 | 647284 | 1968984 | 36.67% | 7.964% |

Sum of corrected areas: 24723929

4848.D GCMS0308.M Fri Mar 29 11:34:04 2002

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\MAR2602\4848.D
Operator :
Acquired : 27 Mar 2002 5:32 am using AcqMethod GCMS0308
Instrument : GC/MS 209
Sample Name: gc/ms scan 3/7
Misc Info :
Vial Number: 21
Quant File :GCMS0308.RES (RTE Integrator)




4848.D GCMS0308.M Fri Mar 29 11:34:09 2002

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR2602\4848.D  Vial: 21
Acq On : 27 Mar 2002 5:32 am  Operator:
Sample : gc/ms scan 3/7  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

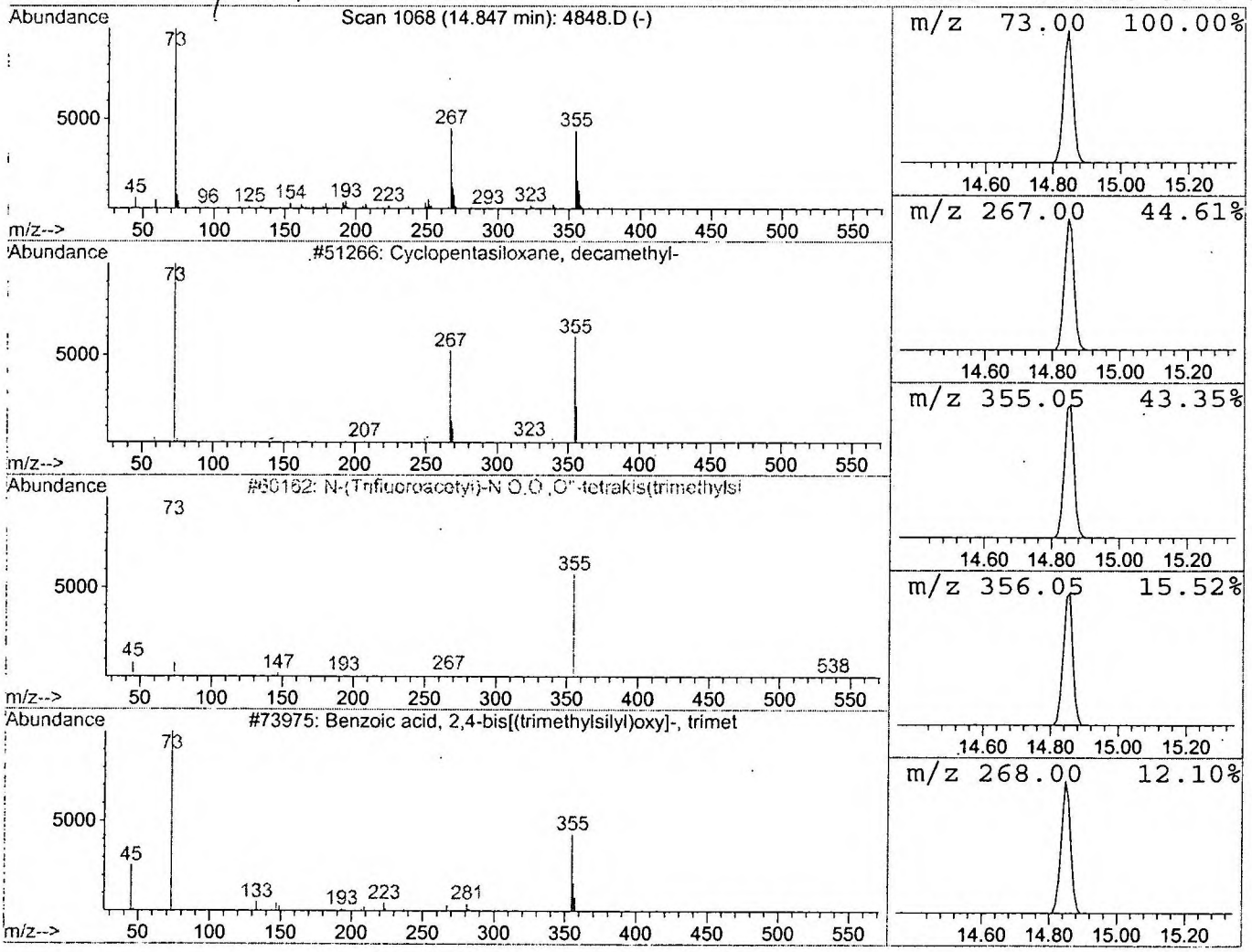
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 1 Cyclopentasiloxane, decamethyl Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.85 | 1.08 ug/l | 264084 | Naphthalene-d8 | 15.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentasiloxane, decamethyl- | 370 | C10H30O5Si5 | 000541-02-6 | 68 |
| 2 | N-(Trifluoroacetyl)-N,O,O',O''-tetr | 553 | C22H42F3NO4Si4 | 000000-00-0 | 38 |
| 3 | Benzoic acid, 2,4-bis[(trimethylsil | 370 | C16H30O4Si3 | 010586-16-0 | 38 |
| 4 | Noradrenaline, tetra-TMS | 457 | C20H43NO3Si4 | 000000-00-0 | 37 |



# Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 27 Mar 2002 5:32 am
Data File: C:\HPCHEM\1\DATA\MAR2602\4848.D
Name: gc/ms scan 3/7
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title: 209 625/TCLP calibration table
Library Searched: C:\DATABASE\NBS75K.L

| TIC Top Hit name | RT | EstConc | Units | Area | IntStd | ISRT | ISArea | ISConc |
|---|---|---|---|---|---|---|---|---|
| ~~Cyclopentasiloxane,~~ | 14.85 | 1.1 | ug/l | 264084 | ISTD02 | 15.88 | 4889280 | 20.0 |

4848.D GCMS0308.M Fri Mar 29 11:34:18 2002