User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 04/18/2002 Time: 08:57:50

Sample: AE03731
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 4/18/02 08:56 Ended: 4/18/02 08:56 Analyst: DLV
Page: 1

| | Component Name | Viol | Result | Qualifier | MDL |
|---|---|---|---|---|---|
| 1 | Other unknown compounds | | . | | |
| 2 | [illegible] | [illegible] | [illegible] | | [illegible] |

**Comments for Sample AE03731 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 04-18-2002 Time: 09:08:12

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. This sample was extracted and analyzed twice. It was clean both times.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\APR0405\3731.D Vial: 7
Acq On : 5 Apr 2002 4:55 pm Operator:
Sample : re-extract Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Apr 10 12:11 2002 Quant Results File: GCMS0408.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0408.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Apr 10 10:43:06 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0403

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 12.25 | 152 | 448503 | 20.00 | ug/l | -0.01 |
| 10) Naphthalene-d8 | 15.89 | 136 | 1625584 | 20.00 | ug/l | -0.02 |
| 17) Acenaphthene-d10 | 21.19 | 164 | 915903 | 20.00 | ug/l | -0.01 |
| 30) Phenanthrene-d10 | 25.64 | 188 | 1265409 | 20.00 | ug/l | -0.02 |
| 39) Chrysene-d12 | 33.69 | 240 | 600255 | 20.00 | ug/l | -0.03 |
| 45) Perylene-d12 | 37.94 | 264 | 317841 | 20.00 | ug/l | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 28) TCMX | 0.00 | 209 | 0 | 0.00 | ug/mL | |
| Spiked Amount 4.000 | | | Recovery = 0.00% | | | |
| 38) 2,4-DDD | 30.71 | 235 | 63137 | ~~5.42~~ 3.35 | ug/mL | 0.21 |
| Spiked Amount 5.000 | | | Recovery = ~~108.40%~~ 67% | | | |
| **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-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 | 14.59 | 82 | 2605 | 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 | 15.94 | 128 | 227 | 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 | 20.54 | 163 | 586 | 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 | 22.67 | 149 | 1850 | N.D. | | |
| 26) 4-Chlorophenyl-phenylether | 0.00 | 204 | 0 | N.D. | | |
| 27) Fluorene | 0.00 | 166 | 0 | N.D. | | |
| 29) Azobenzen/ 1,2-Diphenylhyd | 0.00 | 77 | 0 | N.D. | | |
| 31) N-Nitrosodiphenylamine | 0.00 | 168 | 0 | N.D. | | |
| 32) 4-Bromophenyl-phenylether | 0.00 | 248 | 0 | N.D. | | |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\APR0405\3731.D Vial: 7
Acq On : 5 Apr 2002 4:55 pm Operator:
Sample : re-extract Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Apr 10 12:11 2002 Quant Results File: GCMS0408.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0408.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Apr 10 10:43:06 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0403

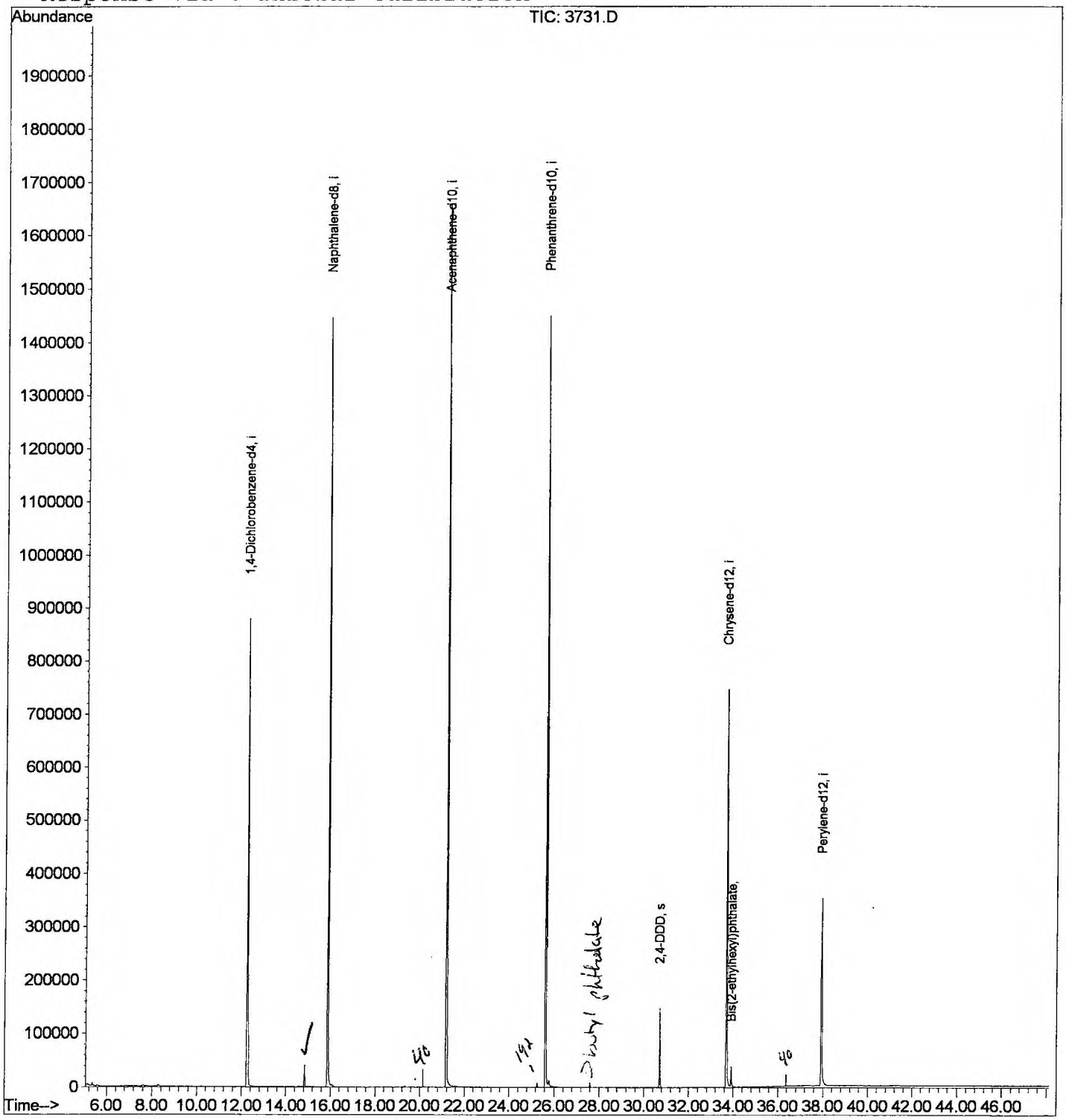
| Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|
| 33) Hexachlorobenzene | 0.00 | 284 | 0 | N.D. | |
| 34) Phenanthrene | 25.70 | 178 | 511 | N.D. | |
| 35) Anthracene | 25.70 | 178 | 511 | N.D. | |
| 36) Di-n-butylphthalate | 27.60 | 149 | 11002 | N.D. | |
| 37) Fluoranthene | 29.33 | 202 | 117 | N.D. | |
| 40) Pyrene | 0.00 | 202 | 0 | N.D. | |
| 41) Butylbenzylphthalate | 0.00 | 149 | 0 | N.D. | |
| 42) Benzo(a)anthracene | 33.70 | 228 | 1391 | N.D. | |
| 43) Bis(2-ethylhexyl)phthalate | 33.91 | 149 | 27086 | 1.52 ug/l | 99 |
| 44) Chrysene | 33.77 | 228 | 260 | N.D. | |
| 46) Di-n-Octylphthalate | 0.00 | 149 | 0 | N.D. | |
| 47) Benzo(b)fluoranthene | 36.75 | 252 | 292 | N.D. | |
| 48) Benzo(k)fluoranthene | 36.84 | 252 | 184 | N.D. | |
| 49) Benzo(a)pyrene | 37.93 | 252 | 1197 | N.D. | |
| 50) Indeno(1,2,3-cd)pyrene | 0.00 | 276 | 0 | N.D. | |
| 51) Dibenz(a,h)anthracene | 0.00 | 278 | 0 | N.D. | |
| 52) 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\APR0405\3731.D Vial: 7
Acq On : 5 Apr 2002 4:55 pm Operator:
Sample : re-extract Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Apr 10 12:11 2002 Quant Results File: GCMS0408.RES

Method : C:\HPCHEM\1\METHODS\GCMS0408.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Apr 10 10:43:06 2002
Response via : Initial Calibration



# LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\APR0405\3731.D  Vial: 7
Acq On : 5 Apr 2002 4:55 pm  Operator:
Sample : re-extract  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0408.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

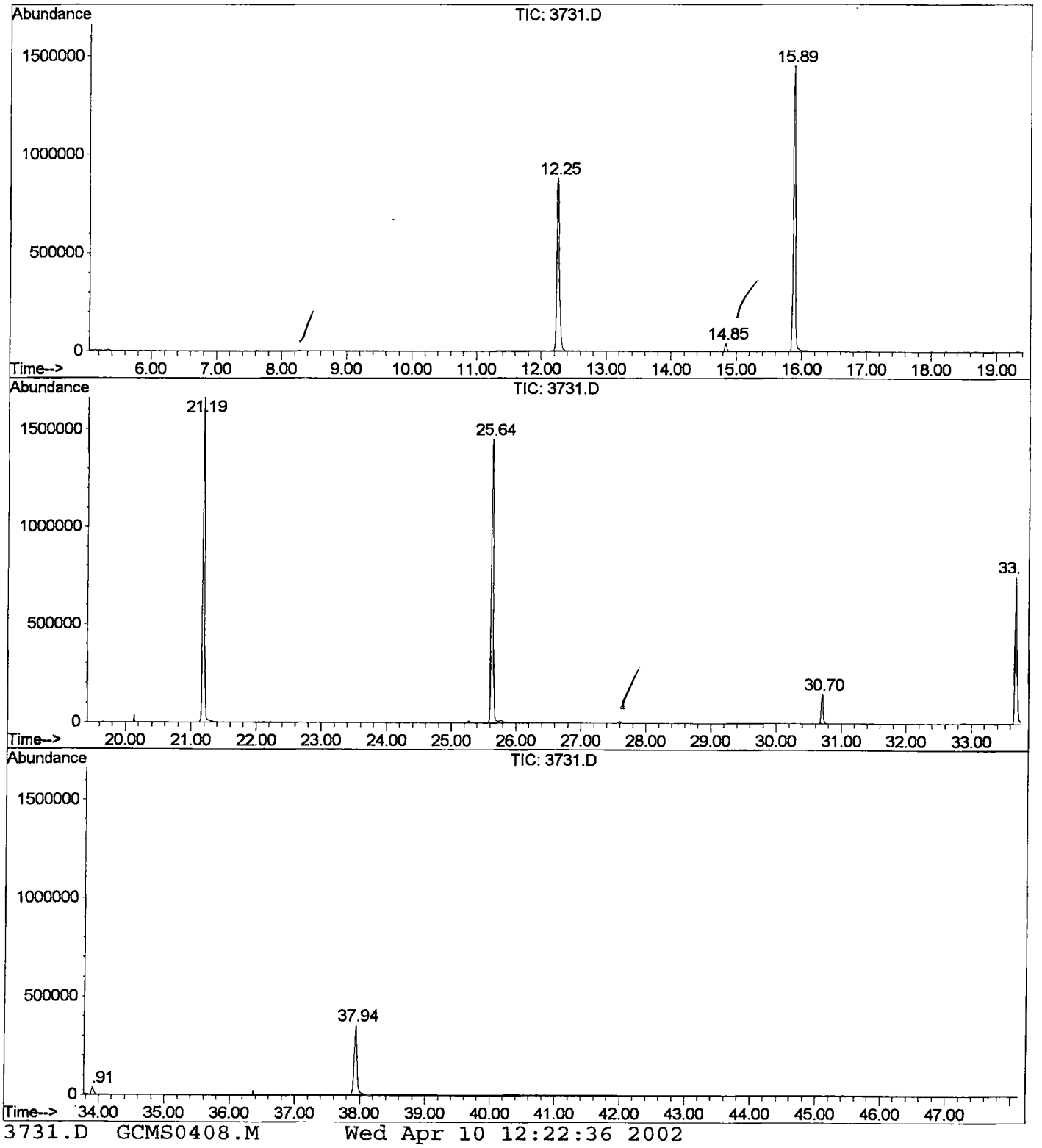
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 12.250 | 779 | 785 | 799 | rBV | 879225 | 2403056 | 69.38% | 15.584% |
| 2 | 14.848 | 1063 | 1068 | 1074 | rVB | 41905 | 83521 | 2.41% | 0.542% |
| 3 | 15.886 | 1175 | 1181 | 1199 | rBV | 1447660 | 3074548 | 88.76% | 19.939% |
| 4 | 21.192 | 1752 | 1759 | 1772 | rBV | 1660233 | 3463808 | 100.00% | 22.463% |
| 5 | 25.635 | 2236 | 2243 | 2255 | rBV2 | 1451002 | 3187673 | 92.03% | 20.673% |
| 6 | 30.703 | 2790 | 2795 | 2801 | rBV | 147666 | 305552 | 8.82% | 1.982% |
| 7 | 33.686 | 3114 | 3120 | 3140 | rBV2 | 748687 | 1733646 | 50.05% | 11.243% |
| 8 | 33.907 | 3140 | 3144 | 3153 | rVB | 38067 | 88189 | 2.55% | 0.572% |
| 9 | 37.937 | 3574 | 3583 | 3602 | rBV2 | 352350 | 1079764 | 31.17% | 7.002% |

Sum of corrected areas: 15419757

3731.D GCMS0408.M Wed Apr 10 12:22:35 2002

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\APR0405\3731.D
Operator :
Acquired : 5 Apr 2002 4:55 pm using AcqMethod GCMS0403
Instrument : GC/MS 209
Sample Name: re-extract
Misc Info :
Vial Number: 7
Quant File :GCMS0408.RES (RTE Integrator)




3731.D GCMS0408.M Wed Apr 10 12:22:36 2002

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR0405\3731.D  Vial: 7
Acq On : 5 Apr 2002 4:55 pm  Operator:
Sample : re-extract  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

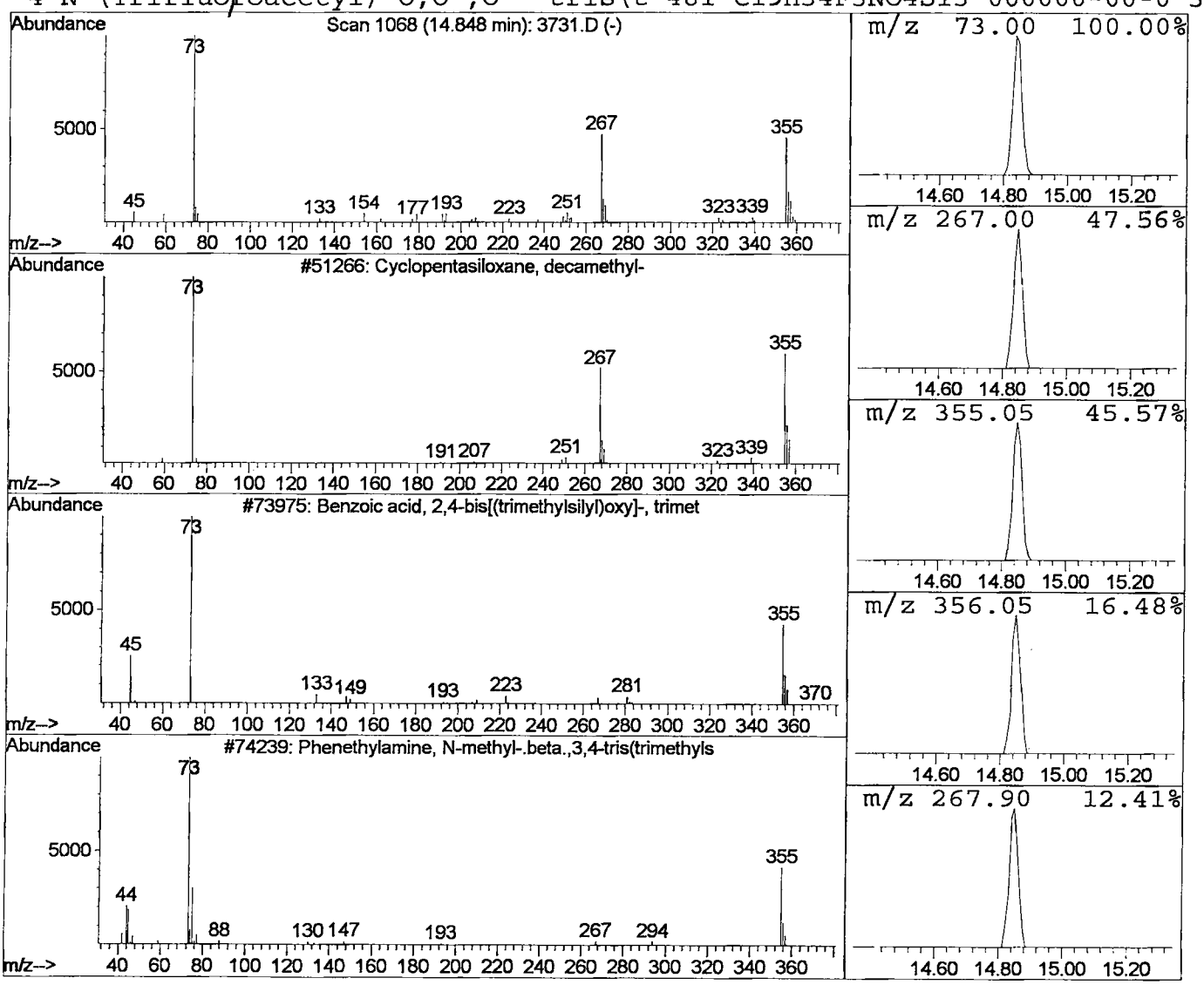
Quant Method : C:\HPCHEM\1\METHODS\GCMS0408.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 1 Cyclopentasiloxane, decamethyl Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.85 | 0.54 ug/l | 83521 | Naphthalene-d8 | 15.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentasiloxane, decamethyl- | 370 | C10H30O5Si5 | 000541-02-6 | 91 |
| 2 | Benzoic acid, 2,4-bis[(trimethylsil | 370 | C16H30O4Si3 | 010586-16-0 | 38 |
| 3 | Phenethylamine, N-methyl-.beta.,3,4 | 399 | C18H37NO3Si3 | 010538-85-9 | 38 |
| 4 | N-(Trifluoroacetyl)-O,O',O''-tris(t | 481 | C19H34F3NO4Si3 | 000000-00-0 | 38 |



# Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 5 Apr 2002 4:55 pm
Data File: C:\HPCHEM\1\DATA\APR0405\3731.D
Name: re-extract
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0408.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 | 0.5 | ug/l | 83521 | ISTD02 | 15.89 | 3074550 | 20.0 |

3731.D GCMS0408.M Wed Apr 10 12:22:37 2002