User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 03/25/2002 Time: 14:48:59

Sample: AE02577
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 3/25/02 14:48 Ended: 3/25/02 14:48 Analyst: DLV
Page: 1

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

**Comments for Sample AE02577 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 03-25-2002 Time: 14:49:23

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 8 of the compounds in the LCS Standard are high while 1 was low. New control limits will be calculated.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAR1902\2577.D Vial: 26
Acq On : 21 Mar 2002 5:39 am Operator:
Sample : gc/ms scan 3/4 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 21 14:04 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 08 08:54:27 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0308

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 12.27 | 152 | 460050 | 20.00 | ug/l | -0.08 |
| 10) Naphthalene-d8 | 15.91 | 136 | 1792387 | 20.00 | ug/l | -0.09 |
| 17) Acenaphthene-d10 | 21.21 | 164 | 953294 | 20.00 | ug/l | -0.10 |
| 29) Phenanthrene-d10 | 25.66 | 188 | 1375286 | 20.00 | ug/l | -0.11 |
| 38) Chrysene-d12 | 33.72 | 240 | 763601 | 20.00 | ug/l | -0.13 |
| 44) Perylene-d12 | 37.97 | 264 | 433146 | 20.00 | ug/l | -0.16 |
| **System Monitoring Compounds** | | | | | | |
| 37) 2,4-DDD | 30.73 | 235 | 88761 | 8.88 | ug/mL | 0.23 |
| Spiked Amount 5.000 | | | Recovery = 177.60% | | | |
| **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 | 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 | 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. | | |
| 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 | 22.69 | 149 | 1058 | 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

Data File : C:\HPCHEM\1\DATA\MAR1902\2577.D Vial: 26
Acq On : 21 Mar 2002 5:39 am Operator:
Sample : gc/ms scan 3/4 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 21 14:04 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 08 08:54:27 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0308

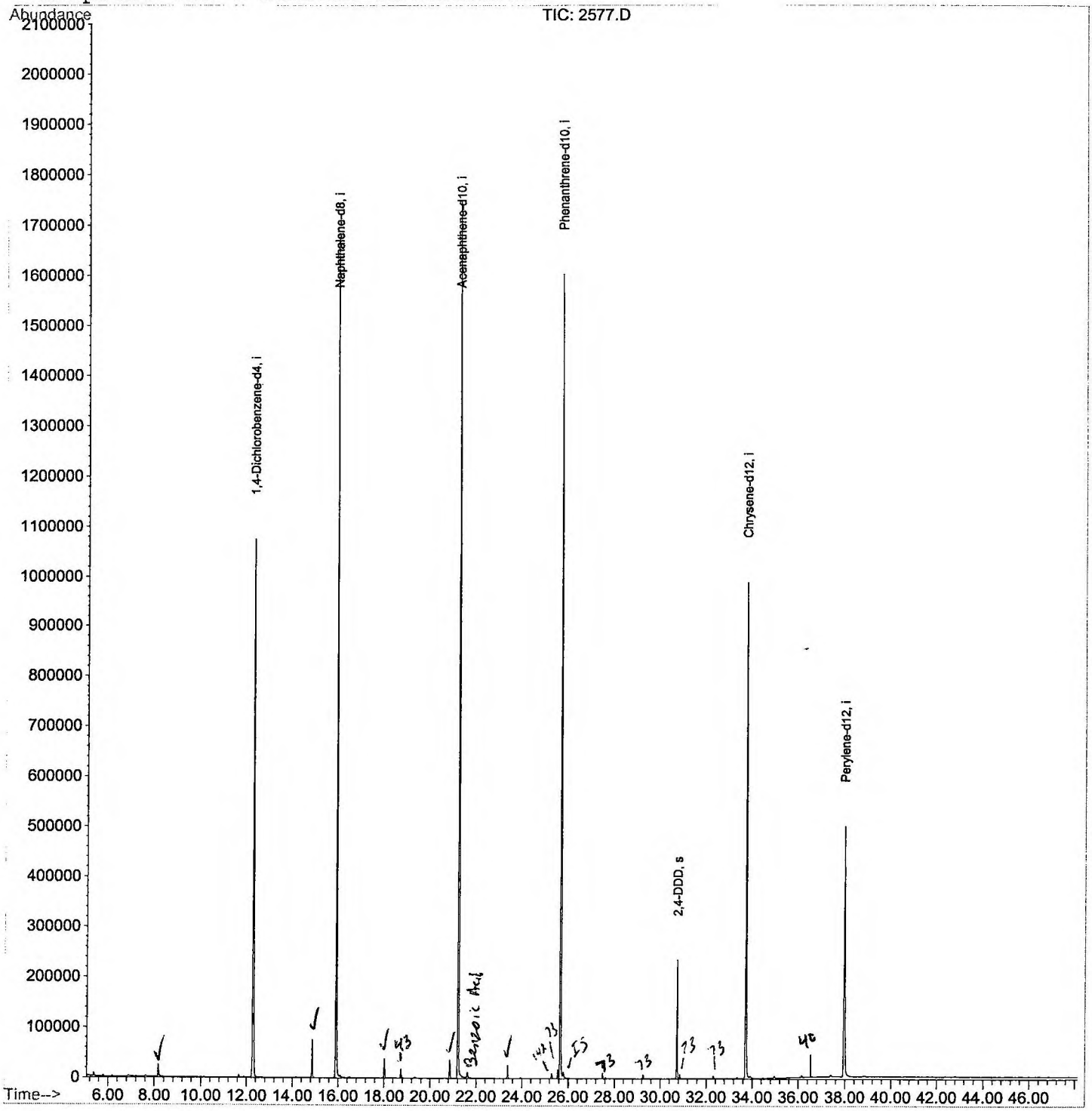
| Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|
| 30) N-Nitrosodiphenylamine | 0.00 | 168 | 0 | N.D. | |
| 31) 4-Bromophenyl-phenylether | 0.00 | 248 | 0 | N.D. | |
| 32) Hexachlorobenzene | 0.00 | 284 | 0 | N.D. | |
| 33) Phenanthrene | 25.66 | 178 | 361 | N.D. | |
| 34) Anthracene | 25.66 | 178 | 361 | N.D. | |
| 35) Di-n-butylphthalate | 27.62 | 149 | 3607 | N.D. | |
| 36) Fluoranthene | 0.00 | 202 | 0 | N.D. | |
| 39) Pyrene | 0.00 | 202 | 0 | N.D. | |
| 40) Butylbenzylphthalate | 32.15 | 149 | 220 | N.D. | |
| 41) Benzo(a)anthracene | 33.72 | 228 | 1705 | N.D. | |
| 42) Bis(2-ethylhexyl)phthalate | 33.94 | 149 | 2752 | N.D. | |
| 43) Chrysene | 33.72 | 228 | 1705 | N.D. | |
| 45) Di-n-Octylphthalate | 0.00 | 149 | 0 | N.D. | |
| 46) Benzo(b)fluoranthene | 0.00 | 252 | 0 | N.D. | |
| 47) Benzo(k)fluoranthene | 0.00 | 252 | 0 | N.D. | |
| 48) Benzo(a)pyrene | 37.98 | 252 | 1571 | 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\MAR1902\2577.D Vial: 26
Acq On : 21 Mar 2002 5:39 am Operator:
Sample : gc/ms scan 3/4 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Mar 21 14:04 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 08 08:54:27 2002
Response via : Initial Calibration



# LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\MAR1902\2577.D  Vial: 26
Acq On : 21 Mar 2002 5:39 am  Operator:
Sample : gc/ms scan 3/4  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

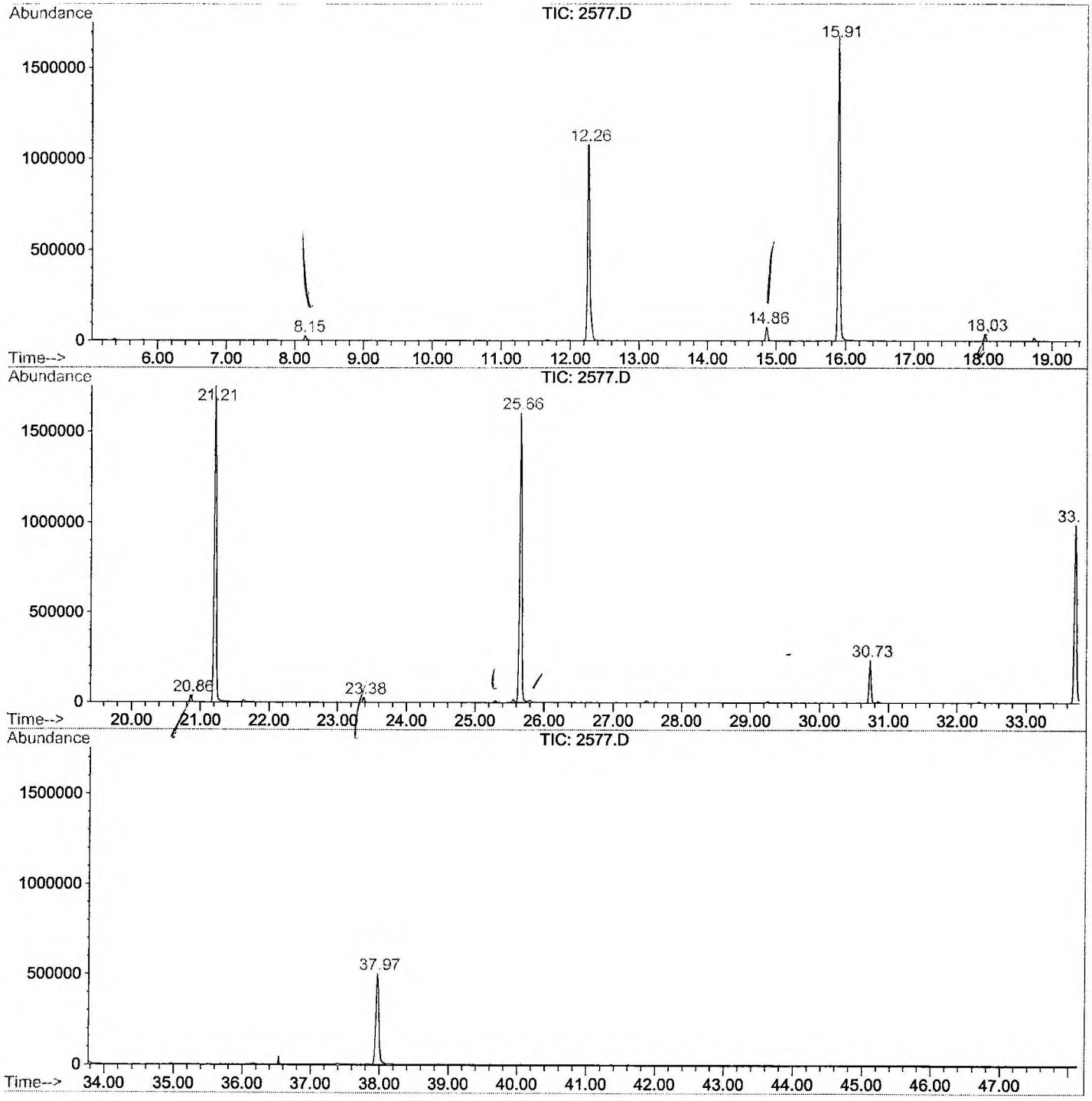
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.148 | 335 | 338 | 346 | rBV | 25015 | 55328 | 1.51% | 0.313% |
| 2 | 12.261 | 781 | 786 | 804 | rVB | 1074162 | 2537547 | 69.33% | 14.372% |
| 3 | 14.859 | 1061 | 1069 | 1076 | rBV | 75562 | 151721 | 4.15% | 0.859% |
| 4 | 15.906 | 1177 | 1183 | 1201 | rBV | 1676717 | 3379936 | 92.34% | 19.143% |
| 5 | 18.027 | 1407 | 1414 | 1420 | rVB | 38284 | 78594 | 2.15% | 0.445% |
| 6 | 20.863 | 1717 | 1723 | 1727 | rVB | 36145 | 72299 | 1.98% | 0.409% |
| 7 | 21.212 | 1755 | 1761 | 1771 | rBV | 1750220 | 3660154 | 100.00% | 20.730% |
| 8 | 23.379 | 1993 | 1997 | 2004 | rVB | 25745 | 51700 | 1.41% | 0.293% |
| 9 | 25.655 | 2238 | 2245 | 2256 | rBV2 | 1602930 | 3488607 | 95.31% | 19.758% |
| 10 | 30.732 | 2793 | 2798 | 2805 | rBV | 234921 | 444559 | 12.15% | 2.518% |
| 11 | 33.716 | 3115 | 3123 | 3135 | rBV2 | 989222 | 2239416 | 61.18% | 12.683% |
| 12 | 37.966 | 3578 | 3586 | 3601 | rBV | 498718 | 1496543 | 40.89% | 8.476% |

Sum of corrected areas: 17656404

2577.D GCMS0308.M Thu Mar 21 14:26:18 2002

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\MAR1902\2577.D
Operator :
Acquired : 21 Mar 2002 5:39 am using AcqMethod GCMS0308
Instrument : GC/MS 209
Sample Name: gc/ms scan 3/4
Misc Info :
Vial Number: 26
Quant File :GCMS0308.RES (RTE Integrator)




2577.D GCMS0308.M Thu Mar 21 14:26:24 2002

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR1902\2577.D  Vial: 26
Acq On : 21 Mar 2002 5:39 am  Operator:
Sample : gc/ms scan 3/4  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

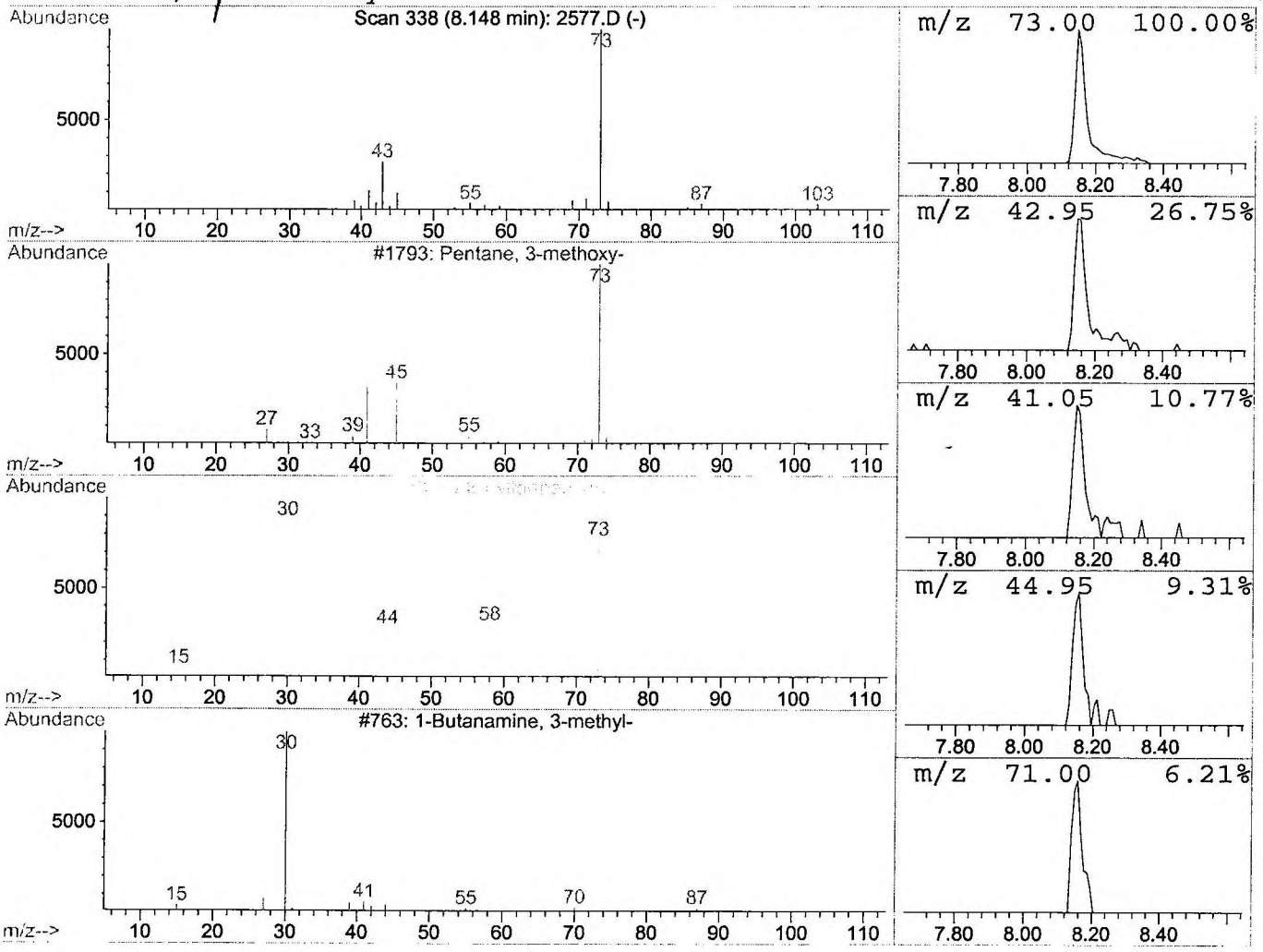
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 1 Pentane, 3-methoxy- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.15 | 0.44 ug/l | 55328 | 1,4-Dichlorobenzene-d4 | 12.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 25 |
| 2 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |
| 3 | 1-Butanamine, 3-methyl- | 87 | C5H13N | 000107-85-7 | 9 |
| 4 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 9 |



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR1902\2577.D  Vial: 26
Acq On : 21 Mar 2002 5:39 am  Operator:
Sample : gc/ms scan 3/4  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

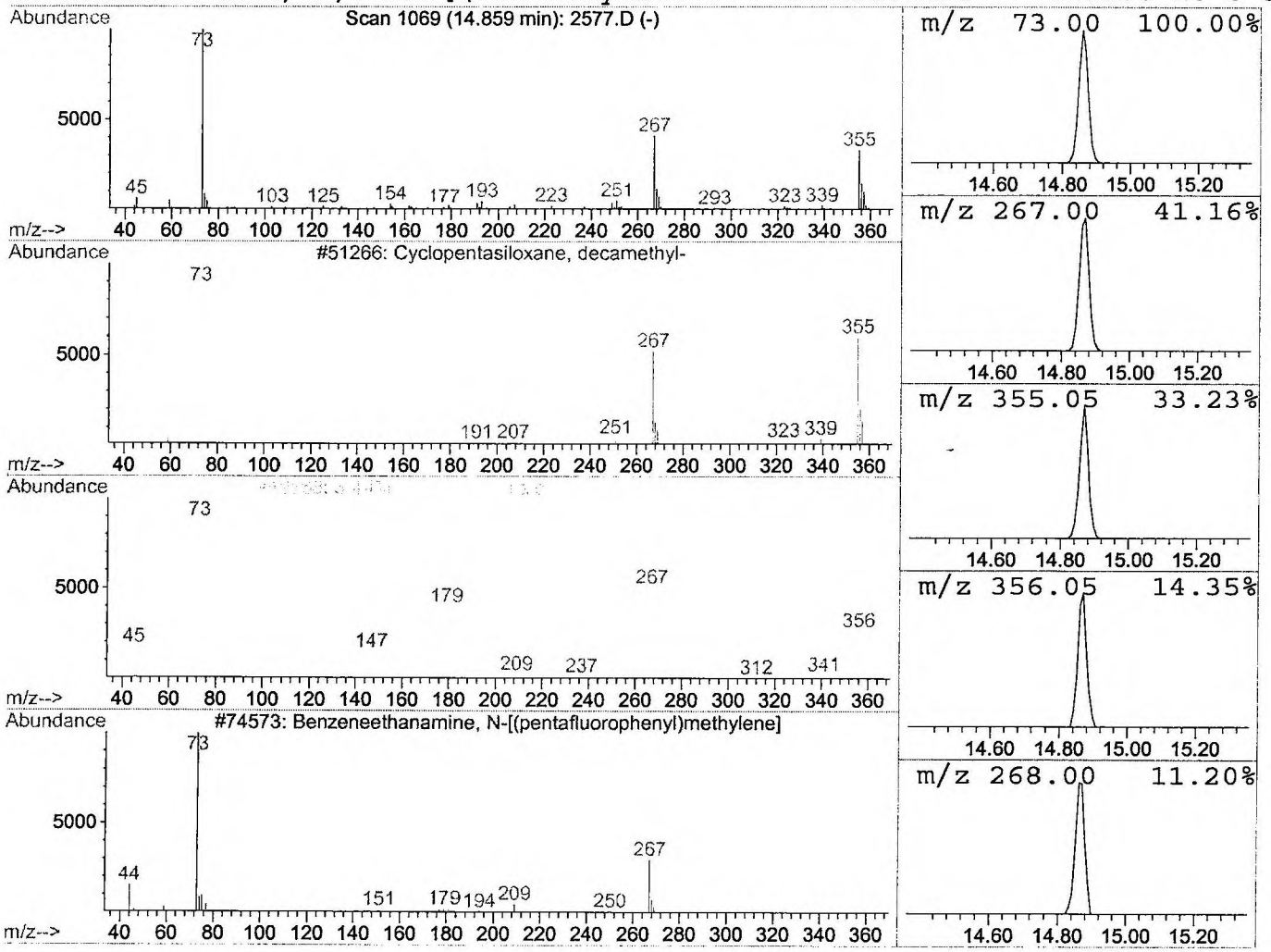
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 2 Cyclopentasiloxane, decamethyl Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.86 | 0.90 ug/l | 151721 | Naphthalene-d8 | 15.91 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentasiloxane, decamethyl- | 370 | C10H30O5Si5 | 000541-02-6 | 53 |
| 2 | 3,4-Dihydroxybenzyl alcohol,tris(tr | 356 | C16H32O3Si3 | 068595-79-9 | 47 |
| 3 | Benzeneethanamine, N-[(pentafluorop | 475 | C21H26F5NO2Si2 | 055429-85-1 | 43 |
| 4 | Benzoic acid, 2,4-bis[(trimethylsil | 370 | C16H30O4Si3 | 010586-16-0 | 32 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR1902\2577.D  Vial: 26
Acq On : 21 Mar 2002 5:39 am  Operator:
Sample : gc/ms scan 3/4  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

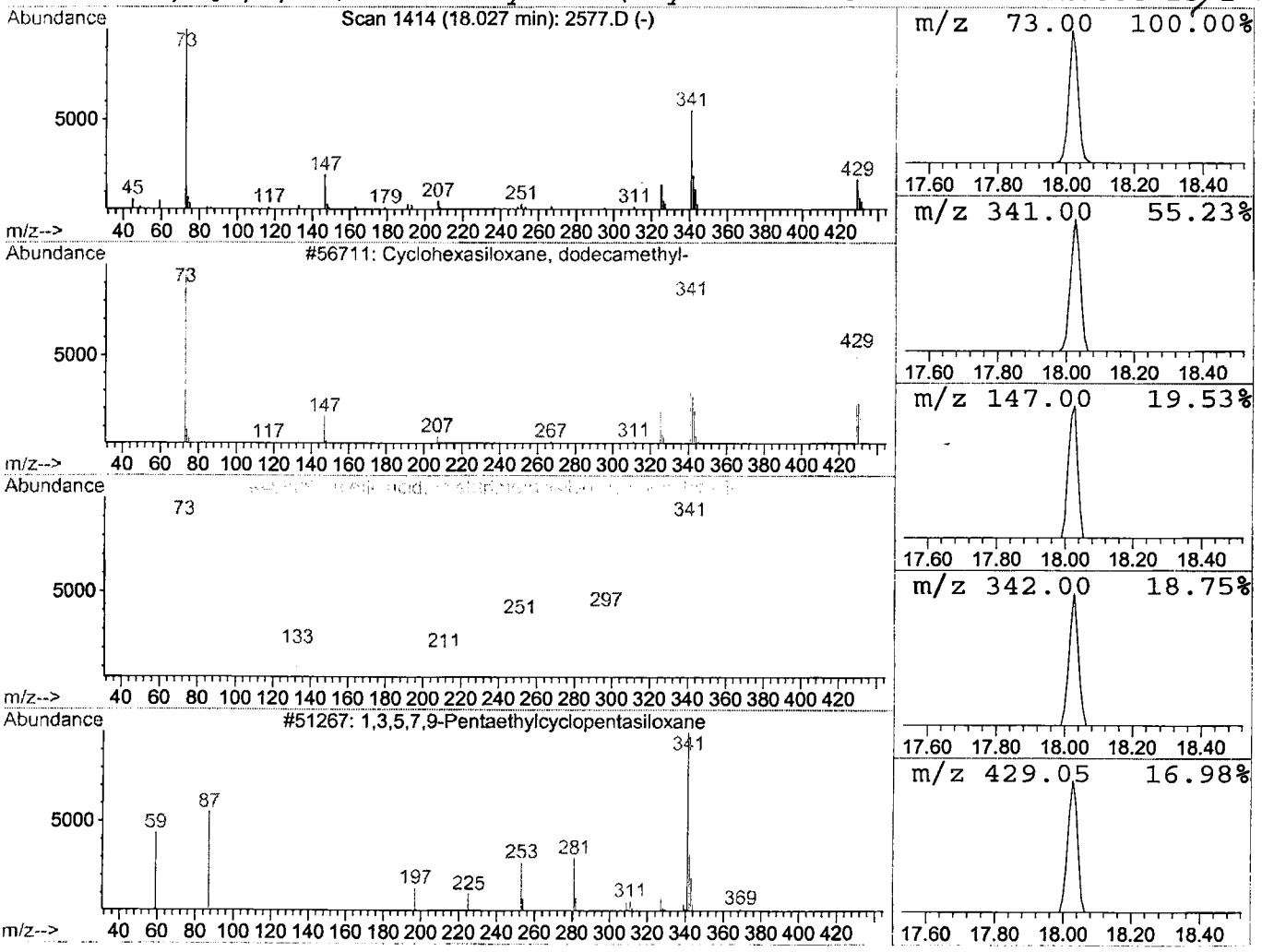
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 3 Cyclohexasiloxane, dodecamethy Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.03 | 0.47 ug/l | 78594 | Naphthalene-d8 | 15.91 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexasiloxane, dodecamethyl- | 444 | C12H36O6Si6 | 000540-97-6 | 40 |
| 2 | Acetic acid, [bis[(trimethylsilyl)o | 356 | C11H29O5PSi3 | 053044-27-2 | 33 |
| 3 | 1,3,5,7,9-Pentaethylcyclopentasilox | 370 | C10H30O5Si5 | 017995-44-7 | 17 |
| 4 | Silane, [1,2,3-benzenetriyltris(oxy | 342 | C15H30O3Si3 | 017864-23-2 | 14 |



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR1902\2577.D  Vial: 26
Acq On : 21 Mar 2002 5:39 am  Operator:
Sample : gc/ms scan 3/4  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

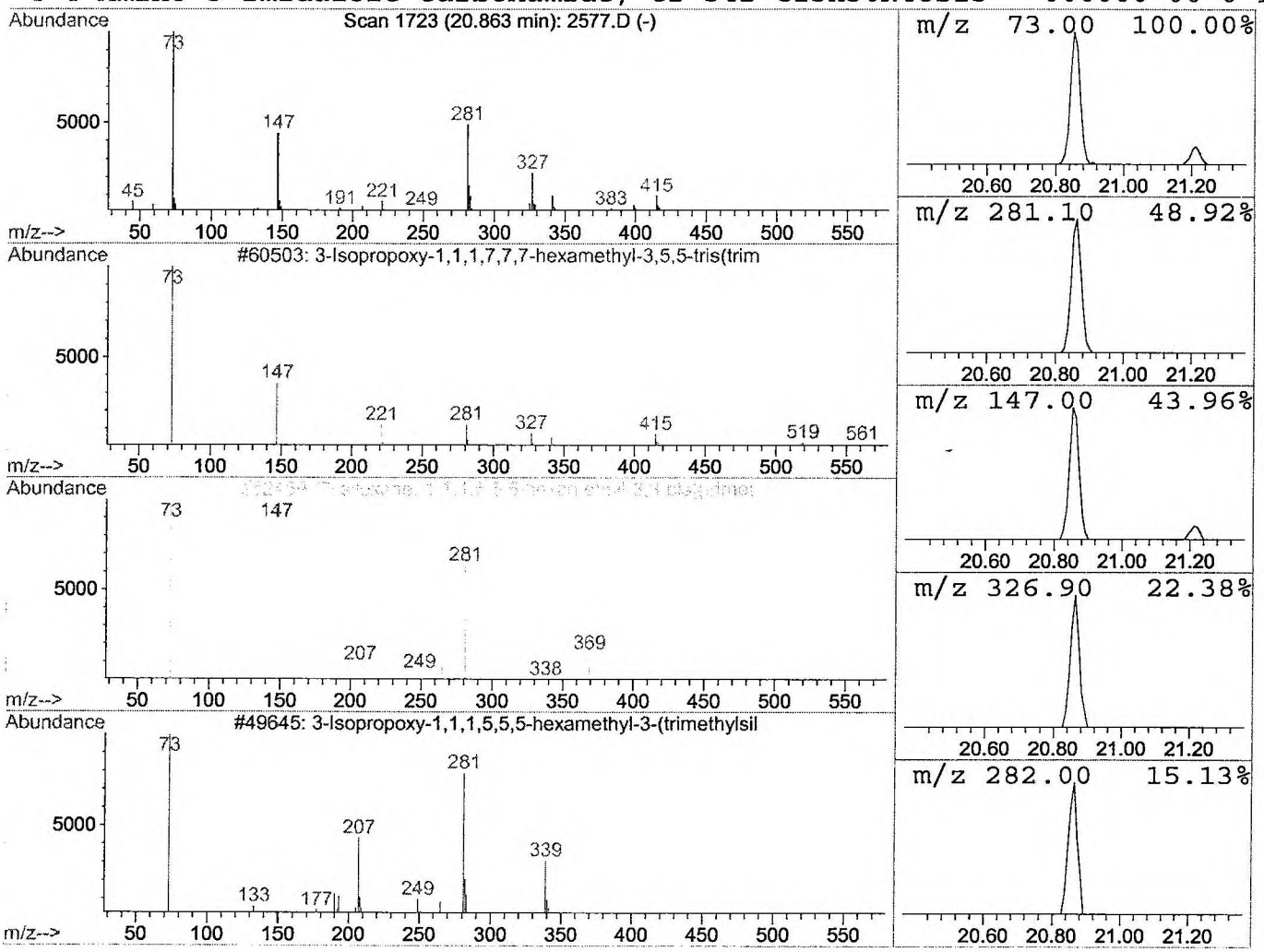
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 4 3-Isopropoxy-1,1,1,7,7,7-hexam Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.86 | 0.40 ug/l | 72299 | Acenaphthene-d10 | 21.21 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Isopropoxy-1,1,1,7,7,7-hexamethyl | 576 | C18H52O7Si7 | 071579-69-6 | 43 |
| 2 | Trisiloxane, 1,1,1,5,5,5-hexamethyl | 384 | C12H36O4Si5 | 003555-47-3 | 17 |
| 3 | 3-Isopropoxy-1,1,1,5,5,5-hexamethyl | 354 | C12H34O4Si4 | 072182-11-7 | 9 |
| 4 | 4-Amino-5-imidazole carboxamide, tr | 342 | C13H30N4OSi3 | 000000-00-0 | 9 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\MAR1902\2577.D  Vial: 26
Acq On : 21 Mar 2002 5:39 am  Operator:
Sample : gc/ms scan 3/4  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

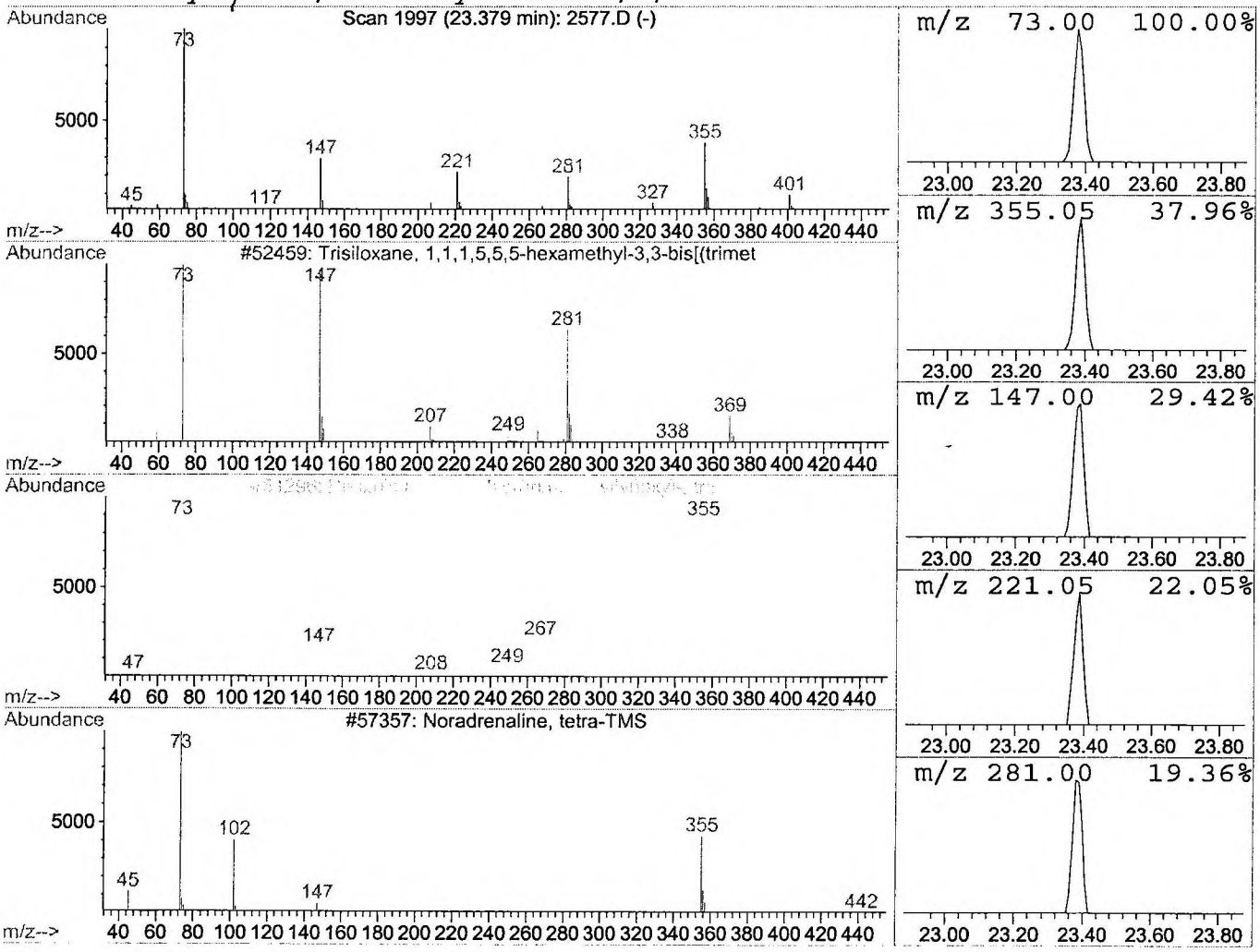
Quant Method : C:\HPCHEM\1\METHODS\GCMS0308.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 5 Trisiloxane, 1,1,1,5,5,5-hexam Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.38 | 0.28 ug/l | 51700 | Acenaphthene-d10 | 21.21 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Trisiloxane, 1,1,1,5,5,5-hexamethyl | 384 | C12H36O4Si5 | 003555-47-3 | 35 |
| 2 | Benzoic acid, 2,6-bis[(trimethylsil | 370 | C16H30O4Si3 | 003782-85-2 | 17 |
| 3 | Noradrenaline, tetra-TMS | 457 | C20H43NO3Si4 | 000000-00-0 | 16 |
| 4 | Phenethylamine, N-methyl-.beta.,3,4 | 399 | C18H37NO3Si3 | 010538-85-9 | 16 |



# Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 21 Mar 2002 5:39 am
Data File: C:\HPCHEM\1\DATA\MAR1902\2577.D
Name: gc/ms scan 3/4
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 |
|---|---|---|---|---|---|---|---|---|
| Pentane, 3-methoxy- | 8.15 | 0.4 | ug/l | 55328 | ISTD01 | 12.27 | 2537550 | 20.0 |
| Cyclopentasiloxane, | 14.86 | 0.9 | ug/l | 151721 | ISTD02 | 15.91 | 3379940 | 20.0 |
| Cyclohexasiloxane, d | 18.03 | 0.5 | ug/l | 78594 | ISTD02 | 15.91 | 3379940 | 20.0 |
| 3-Isopropoxy-1,1,1,7 | 20.86 | 0.4 | ug/l | 72299 | ISTD03 | 21.21 | 3660150 | 20.0 |
| Trisiloxane, 1,1,1,5 | 23.38 | 0.3 | ug/l | 51700 | ISTD03 | 21.21 | 3660150 | 20.0 |

2577.D GCMS0308.M Thu Mar 21 14:26:51 2002