User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 12/04/2001 Time: 14:09:56

Sample: AD26320
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 12/4/01 14:07 Ended: 12/4/01 14:07 Analyst: MG
Page: 1

| | Component Name | Viol | Result |
|---|---|---|---|
| 1 | Other unknown compounds | | see comment |

Unk ground
Analyst KB
12/5/1

**Comments for Sample AD26320 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Galos, Marie
Date: 12-04-2001 Time: 14:09:44

A scan of the extract prepared for the 508 analysis, from 35-550 amu using a mass spectrometer, does not reveal the presence of non-target compounds.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV3001\26320.D Vial: 19
Acq On : 1 Dec 2001 4:35 am Operator: GALOS
Sample : gc/ms unknown 11/3 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 3 15:26 2001 Quant Results File: NP112701.RES

Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Last Update : Wed Nov 28 15:33:44 2001
Response via : Initial Calibration
DataAcq Meth : NP112701

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 11.89 | 152 | 1835727 | 20.00 | ng/uL | -0.05 |
| 19) Naphthalene-d8 | 15.50 | 136 | 7331995 | 20.00 | ng/uL | -0.05 |
| 31) Acenaphthene-d10 | 20.78 | 164 | 3331753 | 20.00 | ng/uL | -0.04 |
| 49) Phenanthrene-d10 | 25.19 | 188 | 4889228 | 20.00 | ng/uL | -0.05 |
| 59) Chrysene-d12 | 33.20 | 240 | 3217012 | 20.00 | ng/uL | -0.05 |
| 68) Perylene-d12 | 37.29 | 264 | 2407618 | 20.00 | ng/uL | -0.05 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Fluorophenol | 0.00 | 112 | 0 | 0.00 | ng/uL | |
| Spiked Amount 75.000 | Range 18 - 42 | | Recovery = | 0.00%# | | |
| 5) Phenol-d5 | 0.00 | 99 | 0 | 0.00 | ng/uL | |
| Spiked Amount 75.000 | Range 19 - 32 | | Recovery = | 0.00%# | | |
| 6) 2-Chlorophenol-d4 | 11.90 | 132 | 1904 | 0.01 | ng/uL | 0.47 |
| Spiked Amount 75.000 | Range 34 - 84 | | Recovery = | 0.01%# | | |
| 7) 1,2-Dichlorobenzene-d4 | 12.41 | 152 | 19085 | 0.25 | ng/uL | -0.05 |
| Spiked Amount 50.000 | Range 26 - 73 | | Recovery = | 0.50%# | | |
| 20) Nitrobenzene-d5 | 0.00 | 82 | 0 | 0.00 | ng/uL | |
| Spiked Amount 50.000 | Range 55 - 98 | | Recovery = | 0.00%# | | |
| 32) 2-Fluorobiphenyl | 18.92 | 172 | 7028 | 0.03 | ng/uL | 0.09 |
| Spiked Amount 50.000 | Range 42 - 78 | | Recovery = | 0.06%# | | |
| 33) 2,4,6-Tribromophenol | 0.00 | 330 | 0 | 0.00 | ng/uL | |
| Spiked Amount 75.000 | Range 45 - 96 | | Recovery = | 0.00%# | | |
| 62) Terphenyl-d14 | 0.00 | 244 | 0 | 0.00 | ng/uL | |
| Spiked Amount 50.000 | Range 58 - 98 | | Recovery = | 0.00%# | | |

| Target Compounds | | | | Qvalue |
|---|---|---|---|---|
| 2) Pyridine | 0.00 | 79 | 0 | N.D. |
| 3) N-nitrosodimethylamine | 0.00 | 74 | 0 | N.D. |
| 8) Phenol | 0.00 | 94 | 0 | N.D. |
| 9) bis(2-Chloroethyl)ether | 0.00 | 93 | 0 | N.D. |
| 10) 2-Chlorophenol | 0.00 | 128 | 0 | N.D. |
| 11) 1,3-Dichlorobenzene | 0.00 | 146 | 0 | N.D. |
| 12) 1,4-Dichlorobenzene | 0.00 | 146 | 0 | N.D. |
| 13) 1,2-Dichlorobenzene | 0.00 | 146 | 0 | N.D. |
| 14) 2-Methylphenol | 0.00 | 108 | 0 | N.D. |
| 15) 2,2'-oxybis(1-Chloropropan | 0.00 | 45 | 0 | N.D. |
| 16) 3&4-Methylphenol | 0.00 | 108 | 0 | N.D. |
| 17) N-Nitrosodi-n-propylamine | 0.00 | 70 | 0 | N.D. |
| 18) Hexachloroethane | 0.00 | 117 | 0 | N.D. |
| 21) Nitrobenzene | 0.00 | 77 | 0 | N.D. |
| 22) Isophorone | 0.00 | 82 | 0 | N.D. |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV3001\26320.D Vial: 19
Acq On : 1 Dec 2001 4:35 am Operator: GALOS
Sample : gc/ms unknown 11/3 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 3 15:26 2001 Quant Results File: NP112701.RES

Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Last Update : Wed Nov 28 15:33:44 2001
Response via : Initial Calibration
DataAcq Meth : NP112701

| | Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|---|
| 23) | 2-Nitrophenol | 0.00 | 139 | 0 | N.D. | |
| 24) | 2,4-Dimethylphenol | 0.00 | 107 | 0 | N.D. | |
| 25) | bis(2-Chloroethoxy)methane | 0.00 | 93 | 0 | N.D. | |
| 26) | 2,4-Dichlorophenol | 0.00 | 162 | 0 | N.D. | |
| 27) | 1,2,4-Trichlorobenzene | 0.00 | 180 | 0 | N.D. | |
| 28) | Naphthalene | 15.55 | 128 | 1832 | N.D. | |
| 29) | Hexachlorobutadiene | 0.00 | 225 | 0 | N.D. | |
| 30) | 4-Chloro-3-methylphenol | 0.00 | 107 | 0 | N.D. | |
| 34) | Hexachlorocyclopentadiene | 0.00 | 237 | 0 | N.D. | |
| 35) | 2,4,6-Trichlorophenol | 0.00 | 196 | 0 | N.D. | |
| 36) | 2,4,5-Trichlorophenol | 0.00 | 196 | 0 | N.D. | |
| 37) | 2-Chloronaphthalene | 0.00 | 162 | 0 | N.D. | |
| 38) | Dimethylphthalate | 0.00 | 163 | 0 | N.D. | |
| 39) | 2,6-Dinitrotoluene | 0.00 | 165 | 0 | N.D. | d |
| 40) | Acenaphthylene | 0.00 | 152 | 0 | N.D. | |
| 41) | Acenaphthene | 0.00 | 153 | 0 | N.D. | |
| 42) | 2,4-Dinitrophenol | 0.00 | 184 | 0 | N.D. | |
| 43) | 4-Nitrophenol | 0.00 | 65 | 0 | N.D. | |
| 44) | 2,4-Dinitrotoluene | 0.00 | 165 | 0 | N.D. | |
| 45) | Diethylphthalate | 0.00 | 149 | 0 | N.D. | |
| 46) | 4-Chlorophenylphenylether | 0.00 | 204 | 0 | N.D. | |
| 47) | Fluorene | 0.00 | 166 | 0 | N.D. | |
| 48) | Azobenzen/ 1,2-Diphenylhyd | 0.00 | 77 | 0 | N.D. | |
| 50) | 4,6-Dinitro-2-methylphenol | 0.00 | 198 | 0 | N.D. | |
| 51) | N-Nitrosodiphenylamine | 0.00 | 169 | 0 | N.D. | |
| 52) | 4-Bromophenyl-phenylether | 0.00 | 248 | 0 | N.D. | |
| 53) | Hexachlorobenzene | 0.00 | 284 | 0 | N.D. | |
| 54) | Pentachlorophenol | 0.00 | 266 | 0 | N.D. | |
| 55) | Phenanthrene | 25.25 | 178 | 518 | N.D. | |
| 56) | Anthracene | 25.25 | 178 | 518 | N.D. | |
| 57) | Di-n-butylphthalate | 27.17 | 149 | 54211 | N.D. | |
| 58) | Fluoranthene | 0.00 | 202 | 0 | N.D. | |
| 60) | 3,3'-Dichlorobenzidine | 0.00 | 252 | 0 | N.D. | |
| 61) | Benzidine | 0.00 | 184 | 0 | N.D. | |
| 63) | Pyrene | 0.00 | 202 | 0 | N.D. | |
| 64) | Butylbenzylphthalate | 0.00 | 149 | 0 | N.D. | |
| 65) | Benzo(a)anthracene | 33.20 | 228 | 7768 | N.D. | |
| 66) | Bis(2-ethylhexyl)phthalate | 33.45 | 149 | 21359 | N.D. | |
| 67) | Chrysene | 33.20 | 228 | 7768 | N.D. | |
| 69) | Di-n-Octylphthalate | 0.00 | 149 | 0 | N.D. | |
| 70) | Benzo(b)fluoranthene | 0.00 | 252 | 0 | N.D. | |

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV3001\26320.D Vial: 19
Acq On : 1 Dec 2001 4:35 am Operator: GALOS
Sample : gc/ms unknown 11/3 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 3 15:26 2001 Quant Results File: NP112701.RES

Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Last Update : Wed Nov 28 15:33:44 2001
Response via : Initial Calibration
DataAcq Meth : NP112701

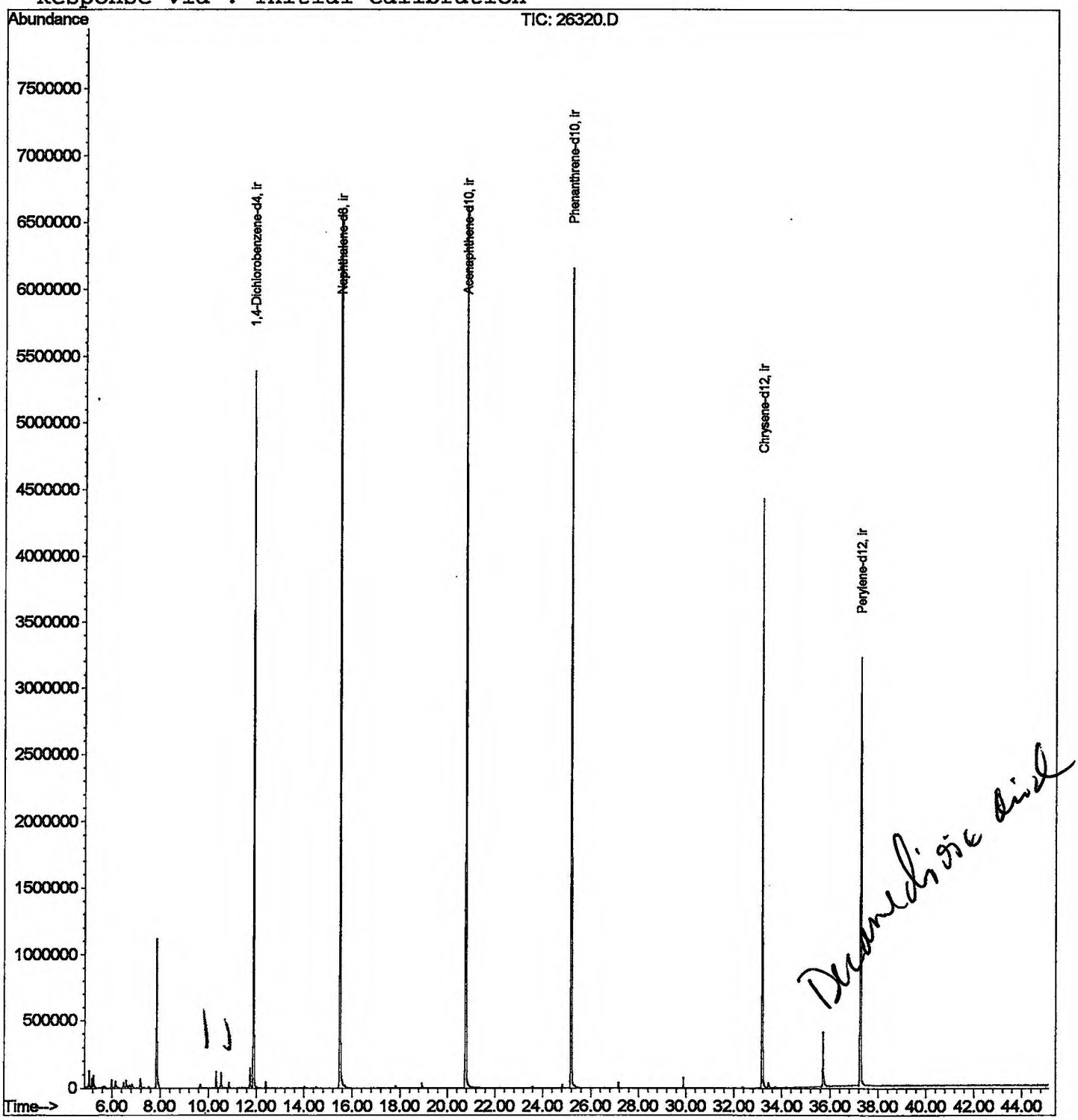
| Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|
| 71) Benzo(k)fluoranthene | 0.00 | 252 | 0 | N.D. | |
| 72) Benzo(a)pyrene | 37.29 | 252 | 8062 | N.D. | |
| 73) Indeno(1,2,3-cd)pyrene | 0.00 | 276 | 0 | N.D. | |
| 74) Dibenz(a,h)anthracene | 0.00 | 278 | 0 | N.D. | |
| 75) 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\NOV3001\26320.D Vial: 19
Acq On : 1 Dec 2001 4:35 am Operator: GALOS
Sample : gc/ms unknown 11/3 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 3 15:26 2001 Quant Results File: NP112701.RES

Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Last Update : Wed Nov 28 15:33:44 2001
Response via : Initial Calibration



# LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\NOV3001\26320.D  Vial: 19
Acq On : 1 Dec 2001 4:35 am  Operator: GALOS
Sample : gc/ms unknown 11/3  Inst : GC/MS Ins
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/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

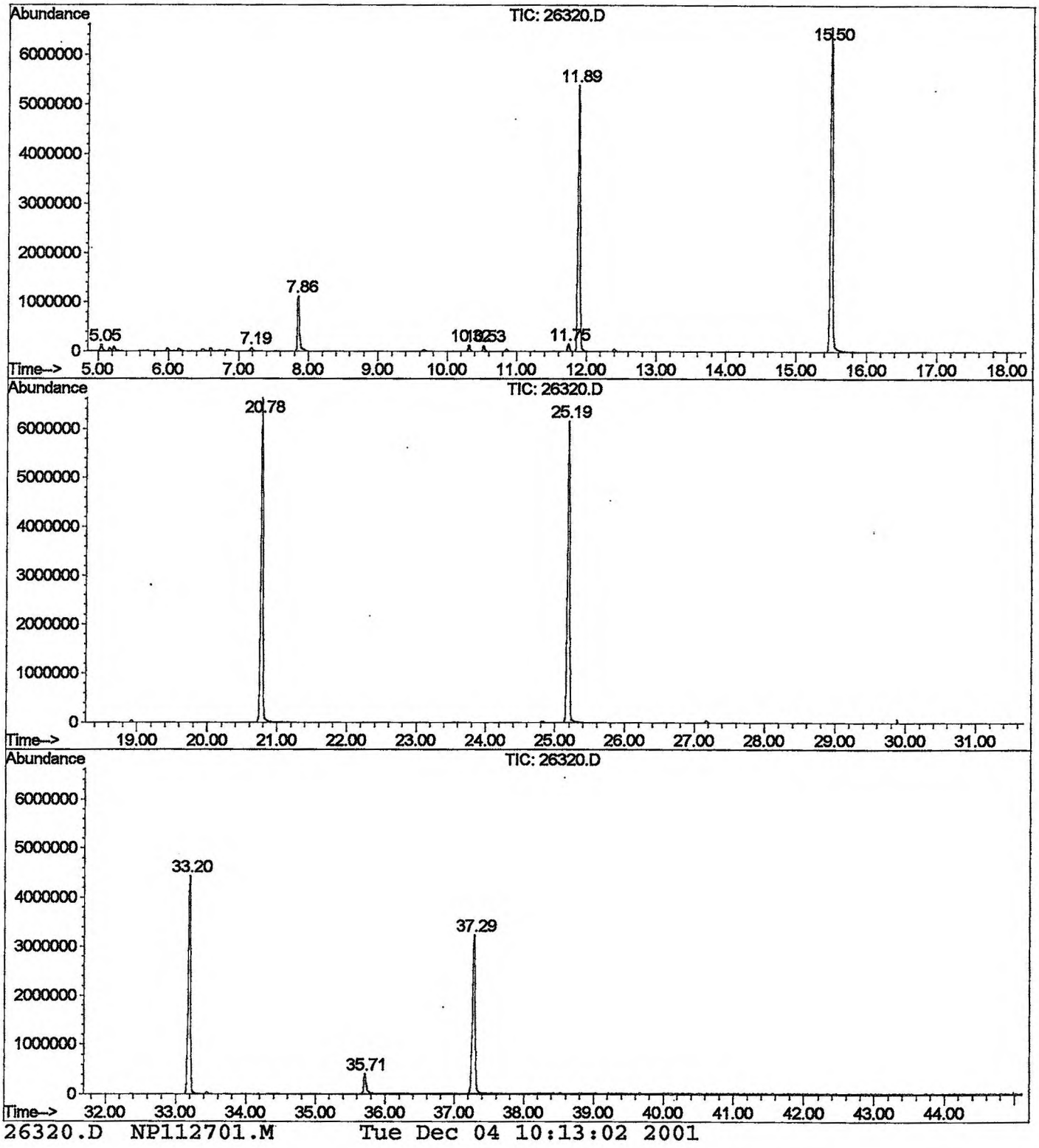
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.045 | 17 | 22 | 31 | rVB | 124034 | 253573 | 1.73% | 0.329% |
| 2 | 7.191 | 250 | 256 | 264 | rBV | 67939 | 151324 | 1.03% | 0.197% |
| 3 | 7.861 | 325 | 329 | 345 | rVB | 1114715 | 2301260 | 15.69% | 2.989% |
| 4 | 10.318 | 593 | 597 | 605 | rVB | 124698 | 237140 | 1.62% | 0.308% |
| 5 | 10.529 | 616 | 620 | 629 | rBV | 114293 | 215290 | 1.47% | 0.280% |
| 6 | 11.749 | 748 | 753 | 759 | rBV | 149786 | 296425 | 2.02% | 0.385% |
| 7 | 11.886 | 763 | 768 | 789 | rVB | 5386027 | 11249276 | 76.71% | 14.613% |
| 8 | 15.499 | 1155 | 1162 | 1181 | rBV | 6569248 | 14665396 | 100.00% | 19.050% |
| 9 | 20.781 | 1730 | 1738 | 1754 | rBV | 6620757 | 14375435 | 98.02% | 18.673% |
| 10 | 25.192 | 2212 | 2219 | 2231 | rBV2 | 6153955 | 13293569 | 90.65% | 17.268% |
| 11 | 33.197 | 3084 | 3092 | 3107 | rBV2 | 4432078 | 10247112 | 69.87% | 13.311% |
| 12 | 35.710 | 3361 | 3366 | 3381 | rBV | 400472 | 1010786 | 6.89% | 1.313% |
| 13 | 37.287 | 3528 | 3538 | 3551 | rBV2 | 3212763 | 8686765 | 59.23% | 11.284% |

Sum of corrected areas: 76983351

26320.D NP112701.M Tue Dec 04 10:13:01 2001

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\NOV3001\26320.D
Operator : GALOS
Acquired : 1 Dec 2001 4:35 am using AcqMethod NP112701
Instrument : GC/MS Ins
Sample Name: gc/ms unknown 11/3
Misc Info :
Vial Number: 19
Quant File :NP112701.RES (RTE Integrator)




26320.D NP112701.M Tue Dec 04 10:13:02 2001

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV3001\26320.D
Acq On : 1 Dec 2001 4:35 am
Sample : gc/ms unknown 11/3
Misc :
MS Integration Params: LSCINT.P

Vial: 19
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

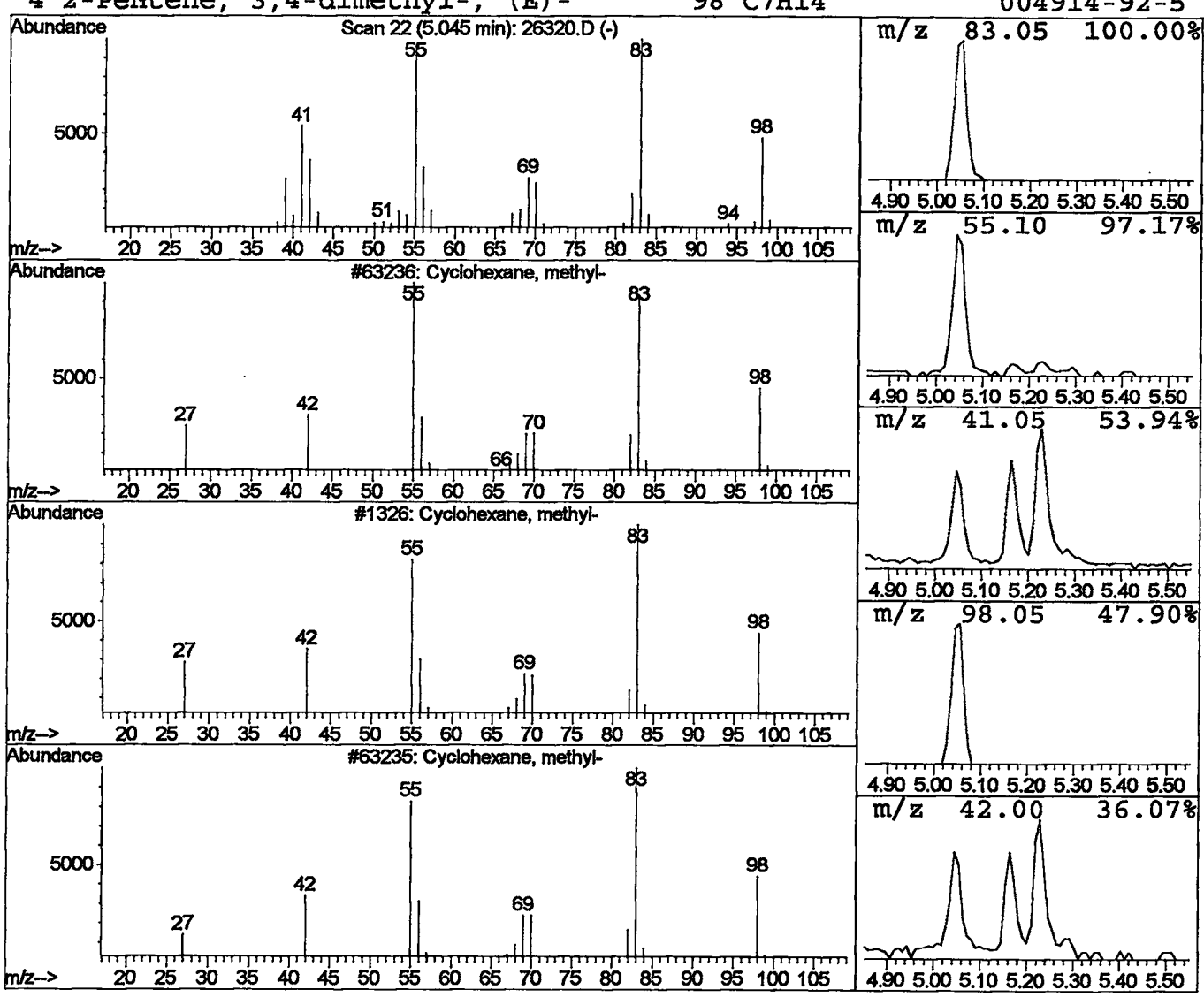
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 1 Cyclohexane, methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.05 | 0.45 ng/uL | 253573 | 1,4-Dichlorobenzene-d4 | 11.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, methyl- | 98 | C7H14 | 000108-87-2 | 97 |
| 2 | Cyclohexane, methyl- | 98 | C7H14 | 000108-87-2 | 96 |
| 3 | Cyclohexane, methyl- | 98 | C7H14 | 000108-87-2 | 96 |
| 4 | 2-Pentene, 3,4-dimethyl-, (E)- | 98 | C7H14 | 004914-92-5 | 59 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV3001\26320.D
Acq On : 1 Dec 2001 4:35 am
Sample : gc/ms unknown 11/3
Misc :
MS Integration Params: LSCINT.P

Vial: 19
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

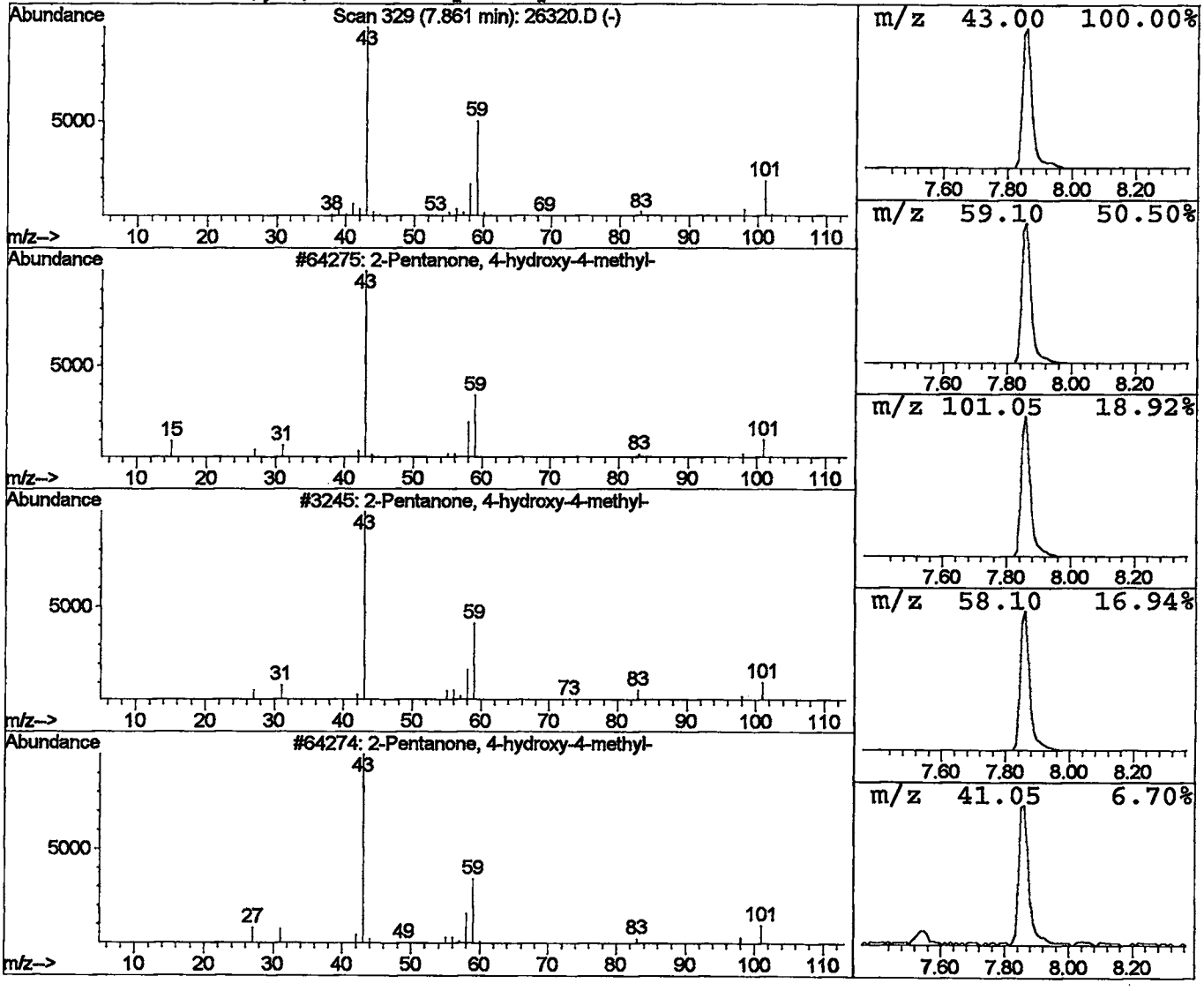
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 2 2-Pentanone, 4-hydroxy-4-methy Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.86 | 4.09 ng/uL | 2301260 | 1,4-Dichlorobenzene-d4 | 11.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 53 |
| 2 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 43 |
| 3 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 36 |
| 4 | Acetic acid, 1,1-dimethylethyl este | 116 | C6H12O2 | 000540-88-5 | 28 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV3001\26320.D
Acq On : 1 Dec 2001 4:35 am
Sample : gc/ms unknown 11/3
Misc :
MS Integration Params: LSCINT.P

Vial: 19
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

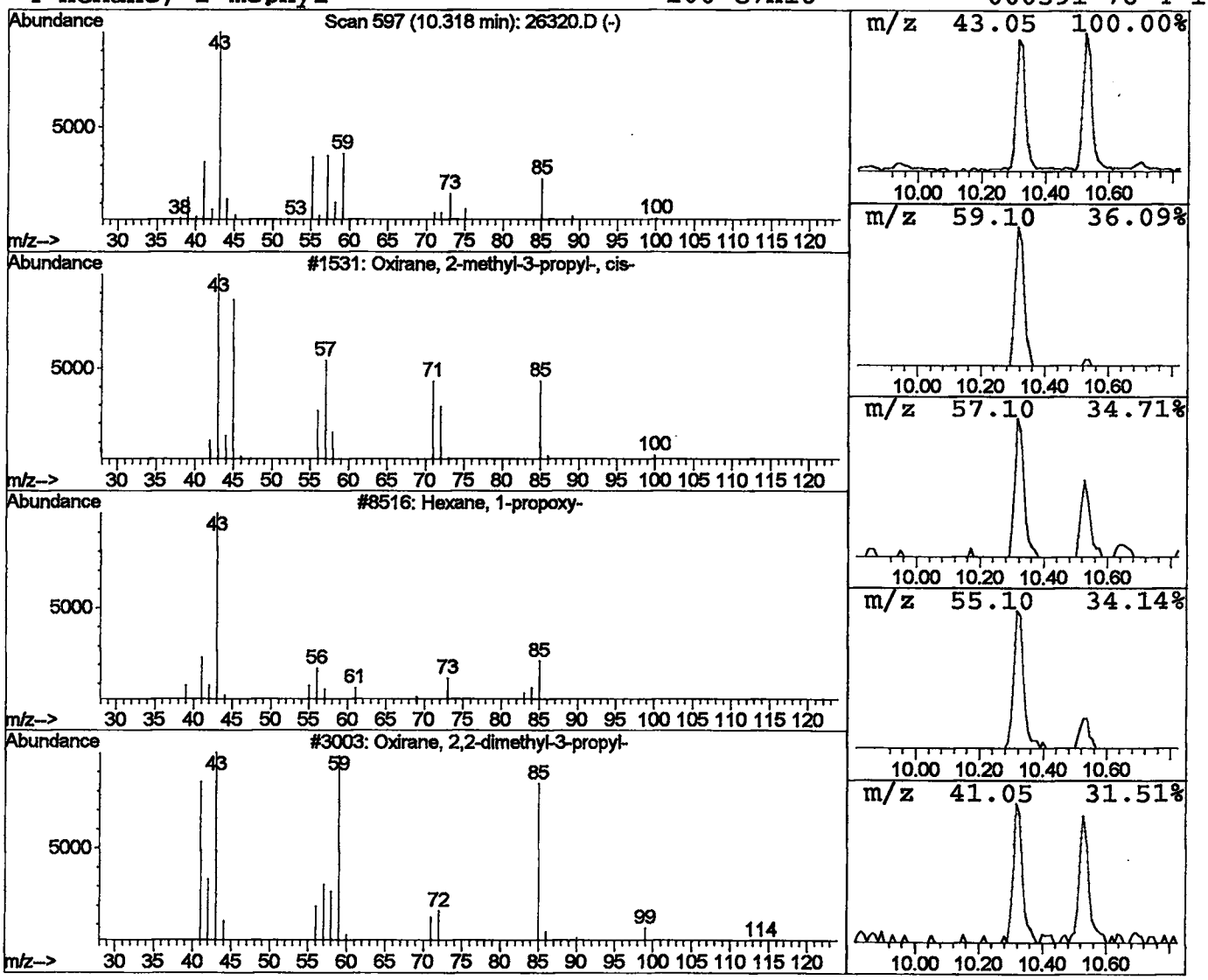
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 3 Oxirane, 2-methyl-3-propyl-, c Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.32 | 0.42 ng/uL | 237140 | 1,4-Dichlorobenzene-d4 | 11.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Oxirane, 2-methyl-3-propyl-, cis- | 100 | C6H12O | 006124-90-9 | 23 |
| 2 | Hexane, 1-propoxy- | 144 | C9H20O | 053685-78-2 | 23 |
| 3 | Oxirane, 2,2-dimethyl-3-propyl- | 114 | C7H14O | 017612-35-0 | 23 |
| 4 | Hexane, 2-methyl- | 100 | C7H16 | 000591-76-4 | 17 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV3001\26320.D
Acq On : 1 Dec 2001 4:35 am
Sample : gc/ms unknown 11/3
Misc :
MS Integration Params: LSCINT.P

Vial: 19
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

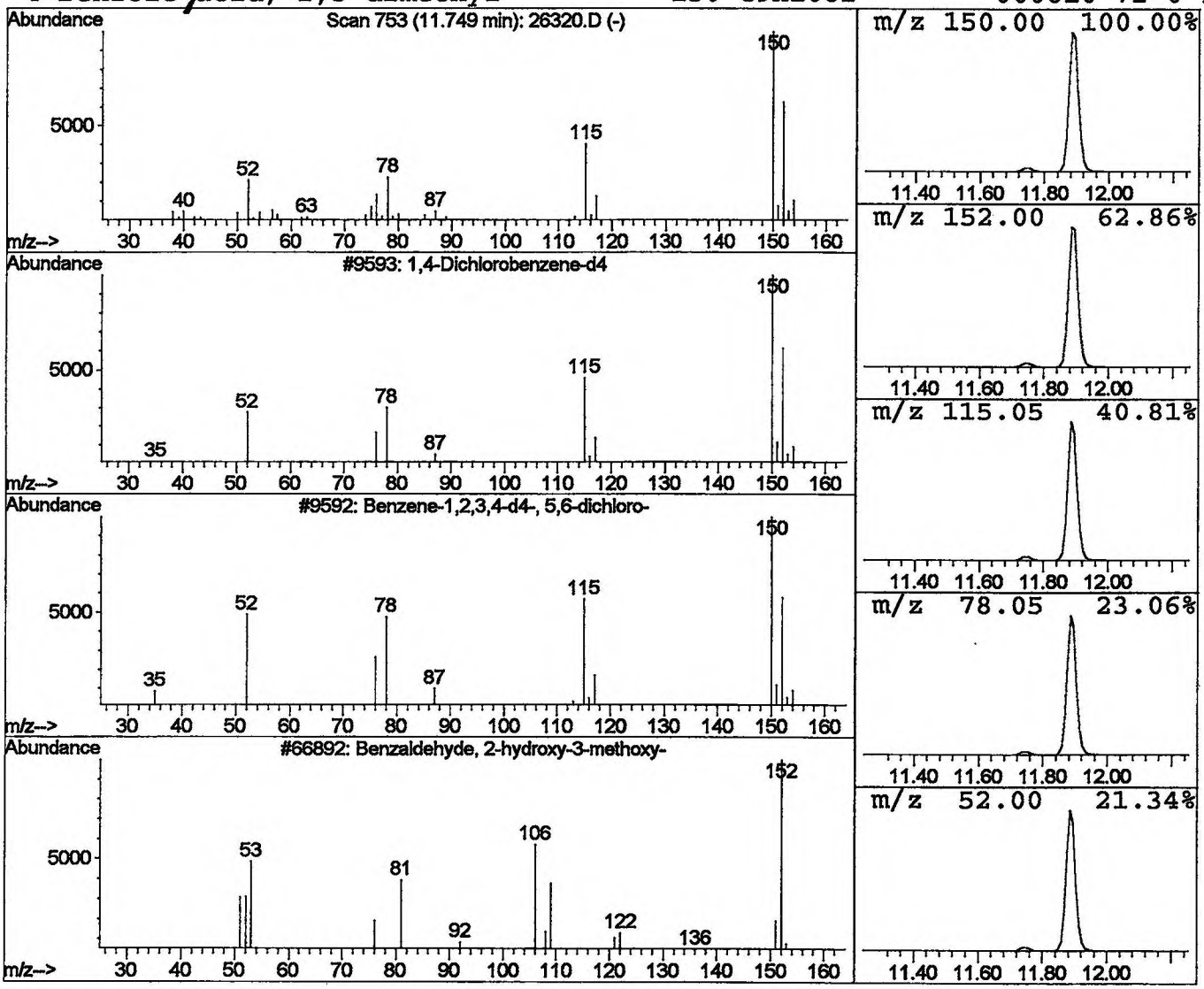
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 4 1,4-Dichlorobenzene-d4 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.75 | 0.53 ng/uL | 296425 | 1,4-Dichlorobenzene-d4 | 11.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,4-Dichlorobenzene-d4 | 150 | C6Cl2D4 | 003855-82-1 | 96 |
| 2 | Benzene-1,2,3,4-d4-, 5,6-dichloro- | 150 | C6Cl2D4 | 002199-69-1 | 53 |
| 3 | Benzaldehyde, 2-hydroxy-3-methoxy- | 152 | C8H8O3 | 000148-53-8 | 35 |
| 4 | Benzoic acid, 2,5-dimethyl- | 150 | C9H10O2 | 000610-72-0 | 9 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV3001\26320.D
Acq On : 1 Dec 2001 4:35 am
Sample : gc/ms unknown 11/3
Misc :
MS Integration Params: LSCINT.P

Vial: 19
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

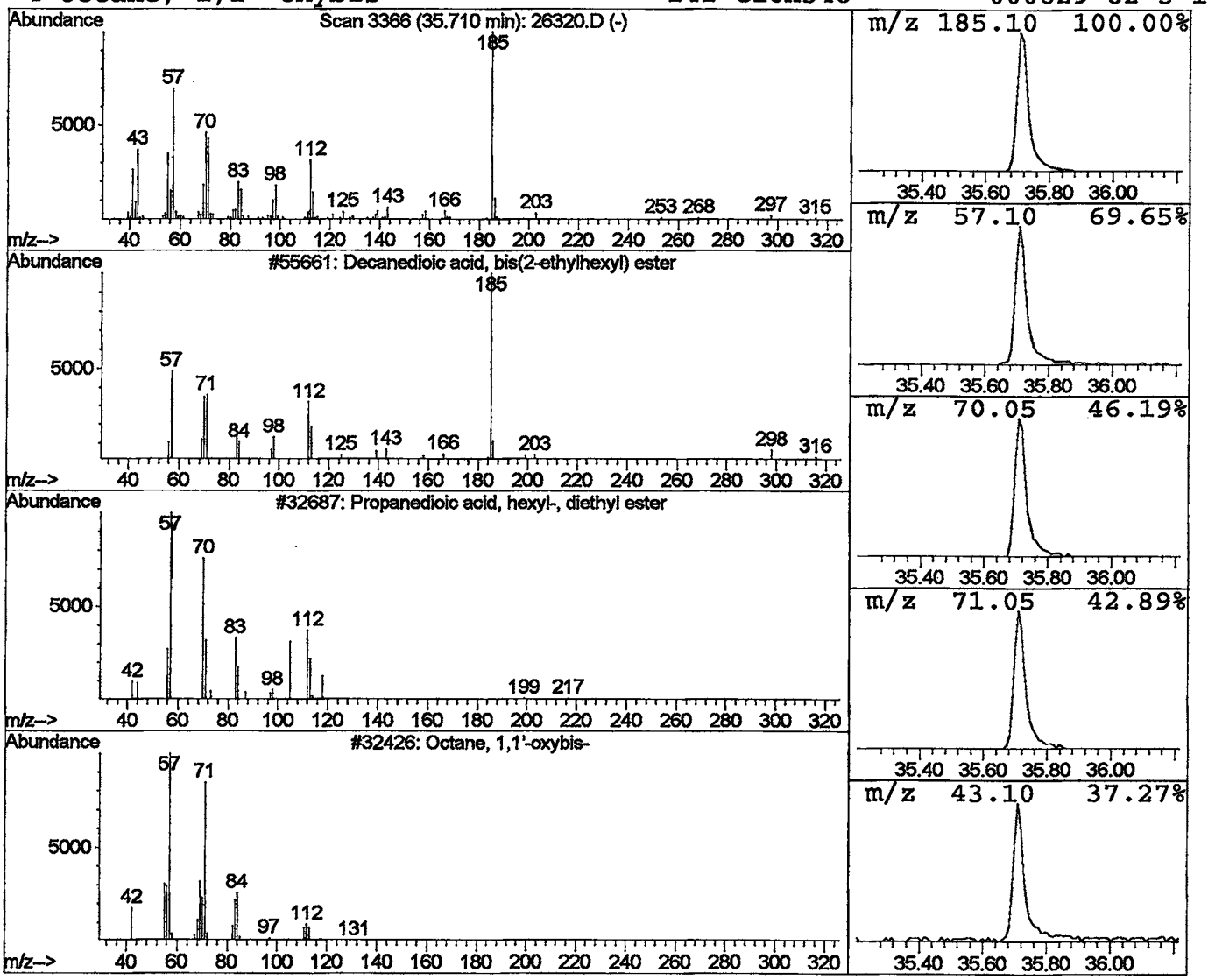
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 5 Decanedioic acid, bis(2-ethylh Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 35.71 | 2.33 ng/uL | 1010790 | Perylene-d12 | 37.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decanedioic acid, bis(2-ethylhexyl) | 426 | C26H50O4 | 000122-62-3 | 90 |
| 2 | Propanedioic acid, hexyl-, diethyl | 244 | C13H24O4 | 005398-10-7 | 35 |
| 3 | Octane, 1,1'-oxybis- | 242 | C16H34O | 000629-82-3 | 14 |
| 4 | Octane, 1,1'-oxybis- | 242 | C16H34O | 000629-82-3 | 12 |



# Tentatively Identified Compound (LSC) summary

Operator ID: GALOS  Date Acquired: 1 Dec 2001  4:35 am
Data File: C:\HPCHEM\1\DATA\NOV3001\26320.D
Name: gc/ms unknown 11/3
Misc:
Method: C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title: 208 625/TCLP calibration table
Library Searched: C:\DATABASE\NBS75K.L

| TIC Top Hit name | RT | EstConc | Units | Area | IntStd | ISRT | ISArea | ISConc |
|---|---|---|---|---|---|---|---|---|
| Cyclohexane, methyl- | 5.05 | 0.5 | ng/uL | 253573 | ISTD01 | 11.89 | 11249300 | 20.0 |
| 2-Pentanone, 4-hydro | 7.86 | 4.1 | ng/uL | 2301260 | ISTD01 | 11.89 | 11249300 | 20.0 |
| Oxirane, 2-methyl-3- | 10.32 | 0.4 | ng/uL | 237140 | ISTD01 | 11.89 | 11249300 | 20.0 |
| 1,4-Dichlorobenzene- | 11.75 | 0.5 | ng/uL | 296425 | ISTD01 | 11.89 | 11249300 | 20.0 |
| Decanedioic acid, bi | 35.71 | 2.3 | ng/uL | 1010790 | ISTD06 | 37.29 | 8686770 | 20.0 |

26320.D  NP112701.M  Tue Dec 04 10:13:07 2001