NYC 9/11 Public Portal Document

User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 10/19/2001 Time: 08:39:37

Sample: AD23499
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 10/19/01 08:39 Ended: 10/19/01 08:39 Analyst: MG
Page: 1

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

NYC 9/11 Public Portal Document

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\OCT1601\23499.D  Vial: 7
Acq On : 16 Oct 2001 8:06 pm  Operator: 209 GALOS
Sample : gc/ms unknown  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 12:03 2001  Quant Results File: NP091101.RES

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Last Update : Fri Oct 12 09:04:47 2001
Response via : Initial Calibration
DataAcq Meth : NP091101

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 11.76 | 152 | 387697 | 20.00 | ug/l | -0.15 |
| 19) Naphthalene-d8 | 15.38 | 136 | 1531238 | 20.00 | ug/l | -0.15 |
| 31) Acenaphthene-d10 | 20.66 | 164 | 721606 | 20.00 | ug/l | -0.16 |
| 49) Phenanthrene-d10 | 25.08 | 188 | 1046048 | 20.00 | ug/l | -0.16 |
| 59) Chrysene-d12 | 33.12 | 240 | 785791 | 20.00 | ug/l | -0.16 |
| 68) Perylene-d12 | 37.24 | 264 | 582566 | 20.00 | ug/l | -0.18 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Fluorophenol | 0.00 | 112 | 0 | 0.00 | ug/l | |
| Spiked Amount 75.000 | | | Recovery = | 0.00% | | |
| 5) Phenol-d5 | 0.00 | 99 | 0 | 0.00 | ug/l | |
| Spiked Amount 75.000 | | | Recovery = | 0.00% | | |
| 6) 2-Chlorophenol-d4 | 0.00 | 132 | 0 | 0.00 | ug/l | |
| Spiked Amount 75.000 | | | Recovery = | 0.00% | | |
| 7) 1,2-Dichlorobenzene-d4 | 12.27 | 152 | 3837 | 0.20 | ug/l | -0.16 |
| Spiked Amount 50.000 | | | Recovery = | 0.40% | | |
| 20) Nitrobenzene-d5 | 0.00 | 82 | 0 | 0.00 | ug/l | |
| Spiked Amount 50.000 | | | Recovery = | 0.00% | | |
| 32) 2-Fluorobiphenyl | 18.80 | 172 | 1459 | 0.03 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = | 0.06% | | |
| 33) 2,4,6-Tribromophenol | 0.00 | 330 | 0 | 0.00 | ug/l | |
| Spiked Amount 75.000 | | | Recovery = | 0.00% | | |
| 62) Terphenyl-d14 | 0.00 | 244 | 0 | 0.00 | ug/l | |
| Spiked Amount 50.000 | | | Recovery = | 0.00% | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Pyridine | 0.00 | 79 | 0 | N.D. | | |
| 3) N-nitroso-dimethyl amine | 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-Nitroso-di-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



NYC-WTC_000088800

NYC 9/11 Public Portal Document

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\OCT1601\23499.D Vial: 7
Acq On : 16 Oct 2001 8:06 pm Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 17 12:03 2001 Quant Results File: NP091101.RES

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Last Update : Fri Oct 12 09:04:47 2001
Response via : Initial Calibration
DataAcq Meth : NP091101

| | 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 | 15.43 | 128 | 270 | 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 | 22.16 | 149 | 203 | N.D. | |
| 46) | 4-Chlorophenyl-phenylether | 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 | 168 | 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 | 25.15 | 178 | 314 | N.D. | |
| 56) | Anthracene | 25.15 | 178 | 314 | N.D. | |
| 57) | Di-n-butylphthalate | 27.08 | 149 | 2627 | N.D. | |
| 58) | Fluoranthene | 0.00 | 202 | 0 | N.D. | |
| 60) | 3,3'-Dichlorobenzidine | 33.68 | 252 | 223 | N.D. | |
| 61) | Benzidine | 0.00 | 184 | 0 | N.D. | |
| 63) | Pyrene | 0.00 | 202 | 0 | N.D. | |
| 64) | Butylbenzylphthalate | 31.65 | 149 | 391 | N.D. | |
| 65) | Benzo(a)anthracene | 33.12 | 228 | 1716 | N.D. | |
| 66) | Bis(2-ethylhexyl)phthalate | 33.39 | 149 | 2131 | N.D. | |
| 67) | Chrysene | 33.12 | 228 | 1716 | 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



NYC-WTC_000088801

NYC 9/11 Public Portal Document

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\OCT1601\23499.D
Acq On : 16 Oct 2001 8:06 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 17 12:03 2001

Vial: 7
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00
Quant Results File: NP091101.RES

Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Last Update : Fri Oct 12 09:04:47 2001
Response via : Initial Calibration
DataAcq Meth : NP091101

| | Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|---|
| 71) | Benzo(k)fluoranthene | 0.00 | 252 | 0 | N.D. | |
| 72) | Benzo(a)pyrene | 37.23 | 252 | 2187 | 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



NYC-WTC_000088802

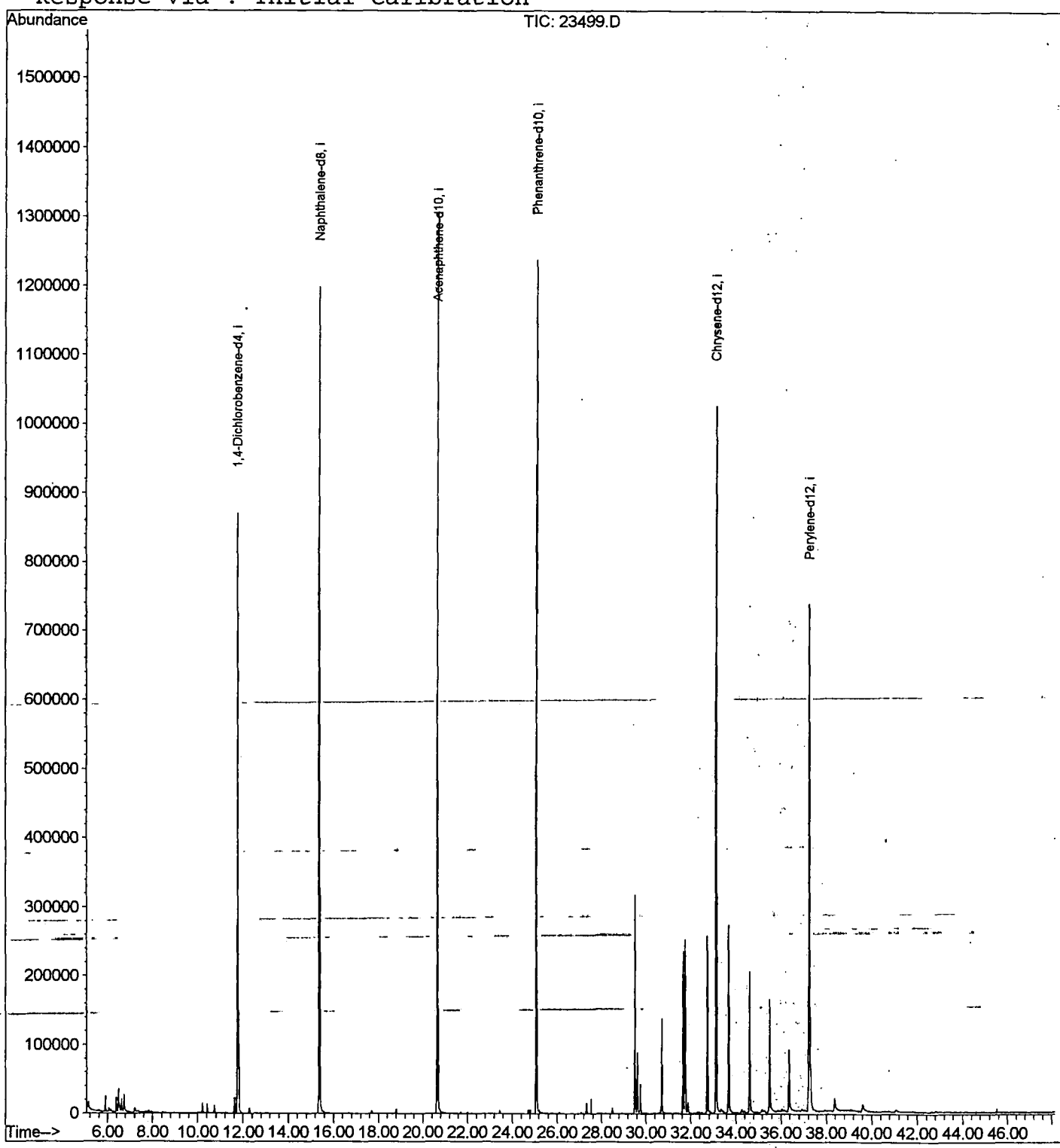
NYC 9/11 Public Portal Document

Quantitation Report

Data File : C:\HPCHEM\1\DATA\OCT1601\23499.D
Acq On : 16 Oct 2001 8:06 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 17 12:03 2001

Vial: 7
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00
Quant Results File: NP091101.RES

Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Last Update : Fri Oct 12 09:04:47 2001
Response via : Initial Calibration






NYC-WTC_000088803

NYC 9/11 Public Portal Document

# LSC-Area Percent Report

Data File : C:\HPCHEM\1\DATA\OCT1601\23499.D  Vial: 7
Acq On : 16 Oct 2001 8:06 pm  Operator: 209 GALOS
Sample : gc/ms unknown  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
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 | 6.381 | 142 | 146 | 153 | rBV | 20738 | 41621 | 1.46% | 0.210% |
| 2 | 6.491 | 153 | 158 | 169 | rVV | 33728 | 90269 | 3.16% | 0.455% |
| 3 | 6.620 | 169 | 172 | 180 | rVV | 18168 | 38710 | 1.35% | 0.195% |
| 4 | 6.730 | 181 | 184 | 194 | rVB | 23564 | 51694 | 1.81% | 0.261% |
| 5 | 10.209 | 560 | 563 | 569 | rBV | 14249 | 29484 | 1.03% | 0.149% |
| 6 | 10.421 | 582 | 586 | 594 | rBV | 13780 | 33978 | 1.19% | 0.171% |
| 7 | 11.623 | 712 | 717 | 727 | rBV | 23193 | 52248 | 1.83% | 0.264% |
| 8 | 11.761 | 727 | 732 | 752 | rVV | 869626 | 2027773 | 70.92% | 10.228% |
| 9 | 15.369 | 1119 | 1125 | 1143 | rBV | 1198317 | 2798741 | 97.89% | 14.117% |
| 10 | 20.657 | 1694 | 1701 | 1716 | rBV | 1306816 | 2859113 | 100.00% | 14.422% |
| 11 | 25.081 | 2176 | 2183 | 2196 | rBV2 | 1236875 | 2692697 | 94.18% | 13.582% |
| 12 | 27.321 | 2422 | 2427 | 2434 | rVB2 | 15142 | 28765 | 1.01% | 0.145% |
| 13 | 29.506 | 2660 | 2665 | 2673 | rBV | 316843 | 620717 | 21.71% | 3.131% |
| 14 | 29.626 | 2673 | 2678 | 2686 | rVV | 87809 | 172676 | 6.04% | 0.871% |
| 15 | 29.754 | 2686 | 2692 | 2700 | rVB2 | 41871 | 83824 | 2.93% | 0.423% |
| 16 | 30.700 | 2787 | 2795 | 2803 | rBV | 137414 | 281460 | 9.84% | 1.420% |
| 17 | 31.645 | 2893 | 2898 | 2903 | rBV | 233745 | 465044 | 16.27% | 2.346% |
| 18 | 31.737 | 2903 | 2908 | 2916 | rVV | 251621 | 523900 | 18.32% | 2.643% |
| 19 | 31.866 | 2918 | 2922 | 2929 | rVB2 | 14530 | 33820 | 1.18% | 0.171% |
| 20 | 32.729 | 3011 | 3016 | 3028 | rBV | 256998 | 534181 | 18.68% | 2.694% |
| 21 | 33.123 | 3050 | 3059 | 3077 | rBV2 | 1024044 | 2422771 | 84.74% | 12.221% |
| 22 | 33.693 | 3112 | 3121 | 3133 | rBV | 272343 | 617514 | 21.60% | 3.115% |
| 23 | 34.611 | 3215 | 3221 | 3236 | rBV | 203699 | 463841 | 16.22% | 2.340% |
| 24 | 35.501 | 3309 | 3318 | 3329 | rBV | 163909 | 396149 | 13.86% | 1.998% |
| 25 | 36.364 | 3405 | 3412 | 3422 | rBV | 89829 | 240059 | 8.40% | 1.211% |
| 26 | 37.236 | 3499 | 3507 | 3512 | rBV2 | 733848 | 2101585 | 73.50% | 10.601% |
| 27 | 38.365 | 3624 | 3630 | 3638 | rBV2 | 18628 | 71531 | 2.50% | 0.361% |
| 28 | 39.614 | 3758 | 3766 | 3773 | rBV4 | 10689 | 50908 | 1.78% | 0.257% |

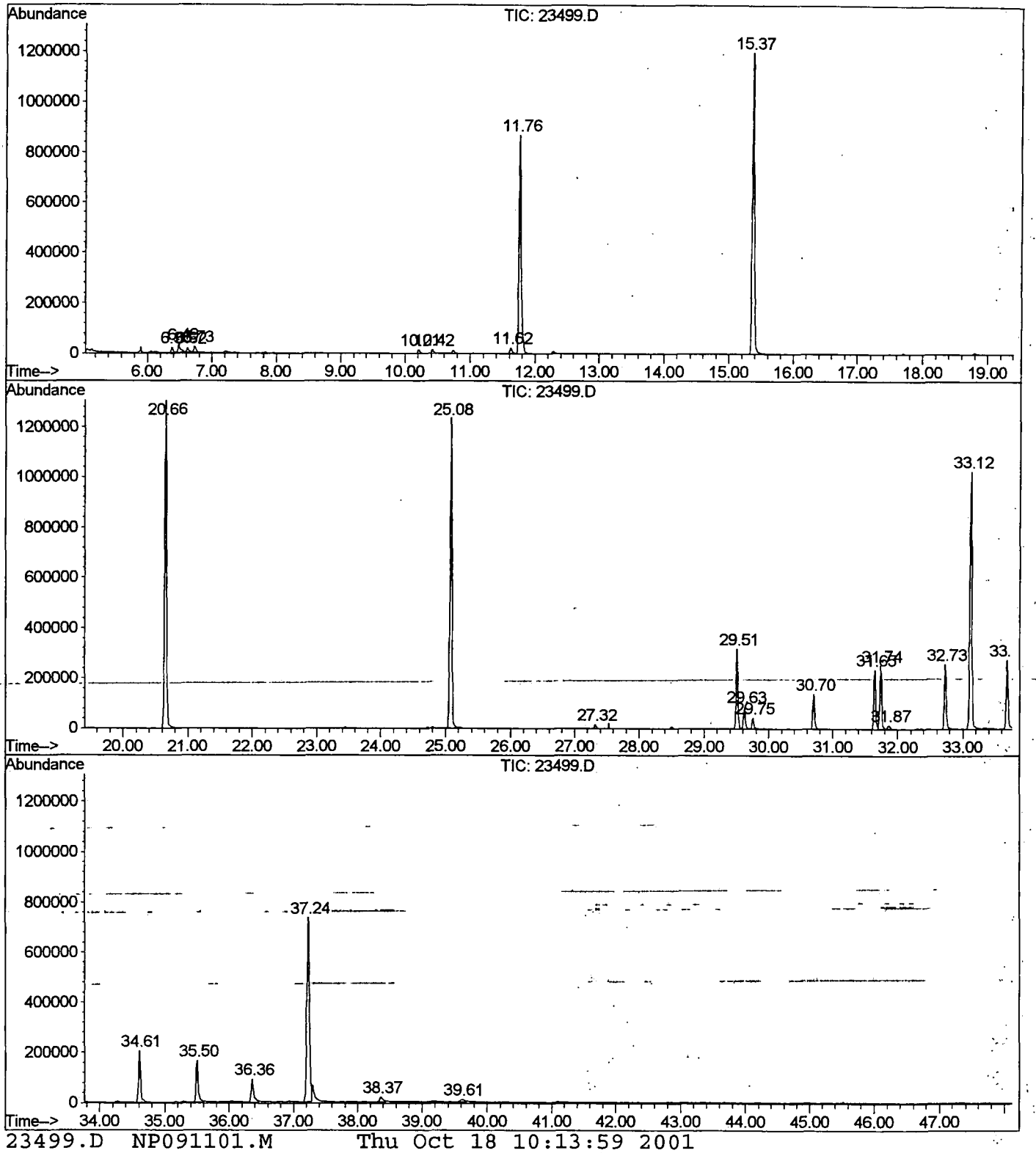
Sum of corrected areas: 19825073

NYC-WTC_000088804

NYC 9/11 Public Portal Document

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\OCT1601\23499.D
Operator : 209 GALOS
Acquired : 16 Oct 2001 8:06 pm using AcqMethod NP091101
Instrument : GC/MS 209
Sample Name: gc/ms unknown
Misc Info :
Vial Number: 7
Quant File :NP091101.RES (RTE Integrator)




23499.D NP091101.M Thu Oct 18 10:13:59 2001

NYC-WTC_000088805

NYC 9/11 Public Portal Document

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT1601\23499.D
Acq On : 16 Oct 2001 8:06 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 7
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

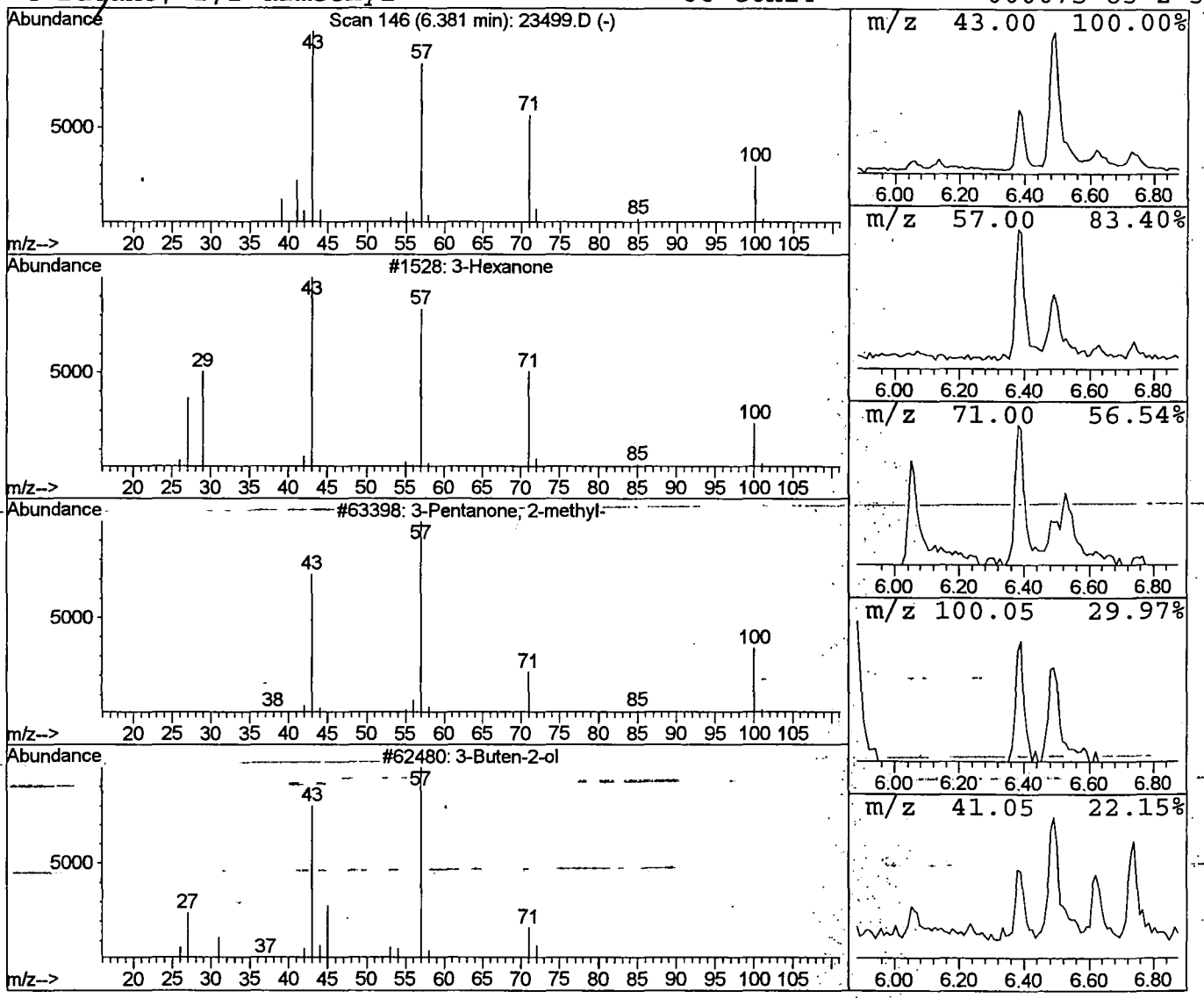
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 1 3-Hexanone Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.38 | 0.41 ug/l | 41621 | 1,4-Dichlorobenzene-d4 | 11.76 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Hexanone | 100 | C6H12O | 000589-38-8 | 91 |
| 2 | 3-Pentanone, 2-methyl- | 100 | C6H12O | 000565-69-5 | 47 |
| 3 | 3-Buten-2-ol | 72 | C4H8O | 000598-32-3 | 38 |
| 4 | Butane, 2,2-dimethyl- | 86 | C6H14 | 000075-83-2 | 36 |






NYC-WTC_000088806

NYC 9/11 Public Portal Document

## Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT1601\23499.D
Acq On : 16 Oct 2001 8:06 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 7
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

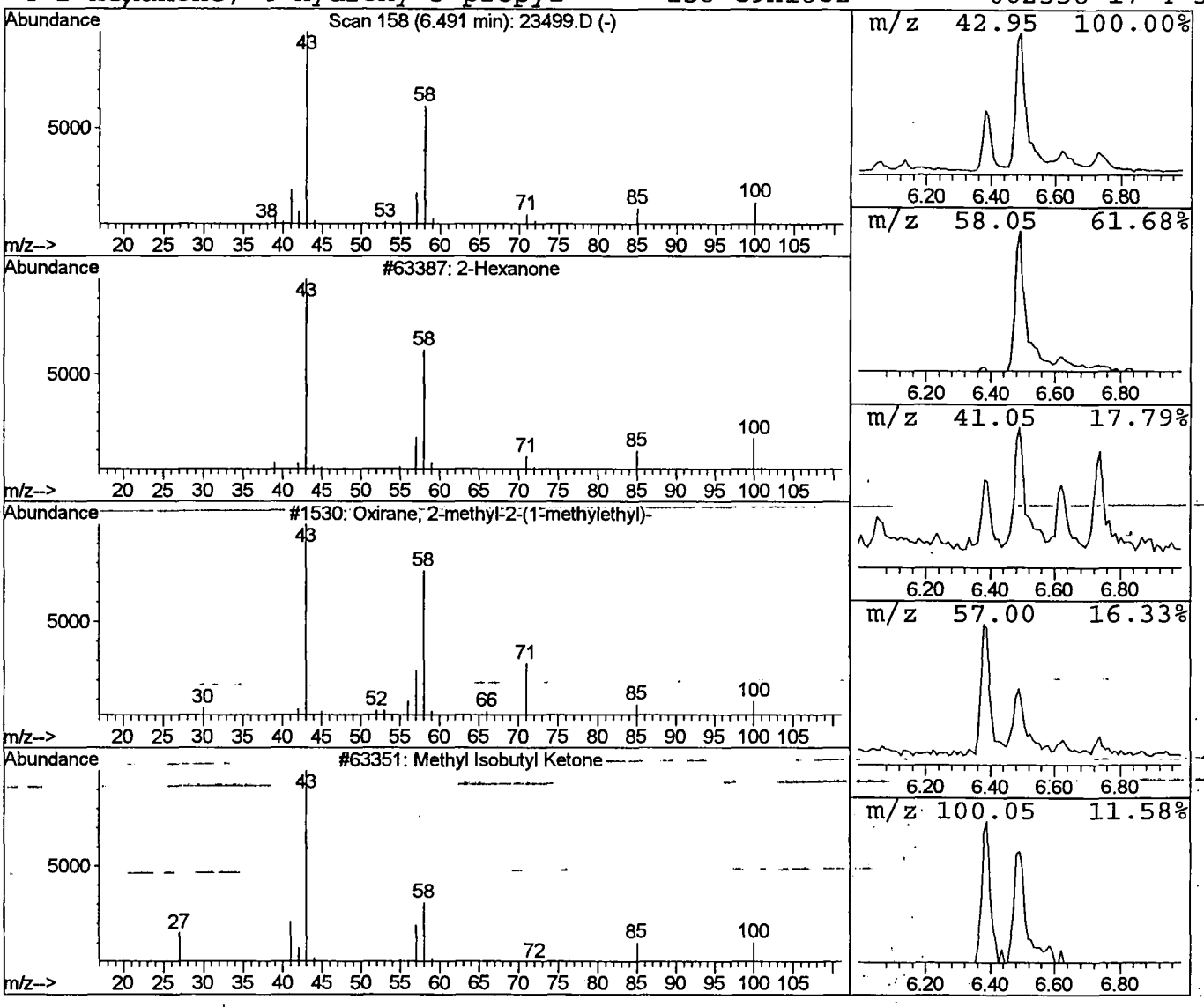
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 2 2-Hexanone Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.49 | 0.89 ug/l | 90269 | 1,4-Dichlorobenzene-d4 | 11.76 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Hexanone | 100 | C6H12O | 000591-78-6 | 91 |
| 2 | Oxirane, 2-methyl-2-(1-methylethyl) | 100 | C6H12O | 072221-03-5 | 64 |
| 3 | Methyl Isobutyl Ketone | 100 | C6H12O | 000108-10-1 | 58 |
| 4 | 2-Hexanone, 4-hydroxy-3-propyl- | 158 | C9H18O2 | 062338-17-4 | 39 |






NYC-WTC_000088807

NYC 9/11 Public Portal Document

# Library Search_Compound_Report

Data File : C:\HPCHEM\1\DATA\OCT1601\23499.D
Acq On : 16 Oct 2001 8:06 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 7
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

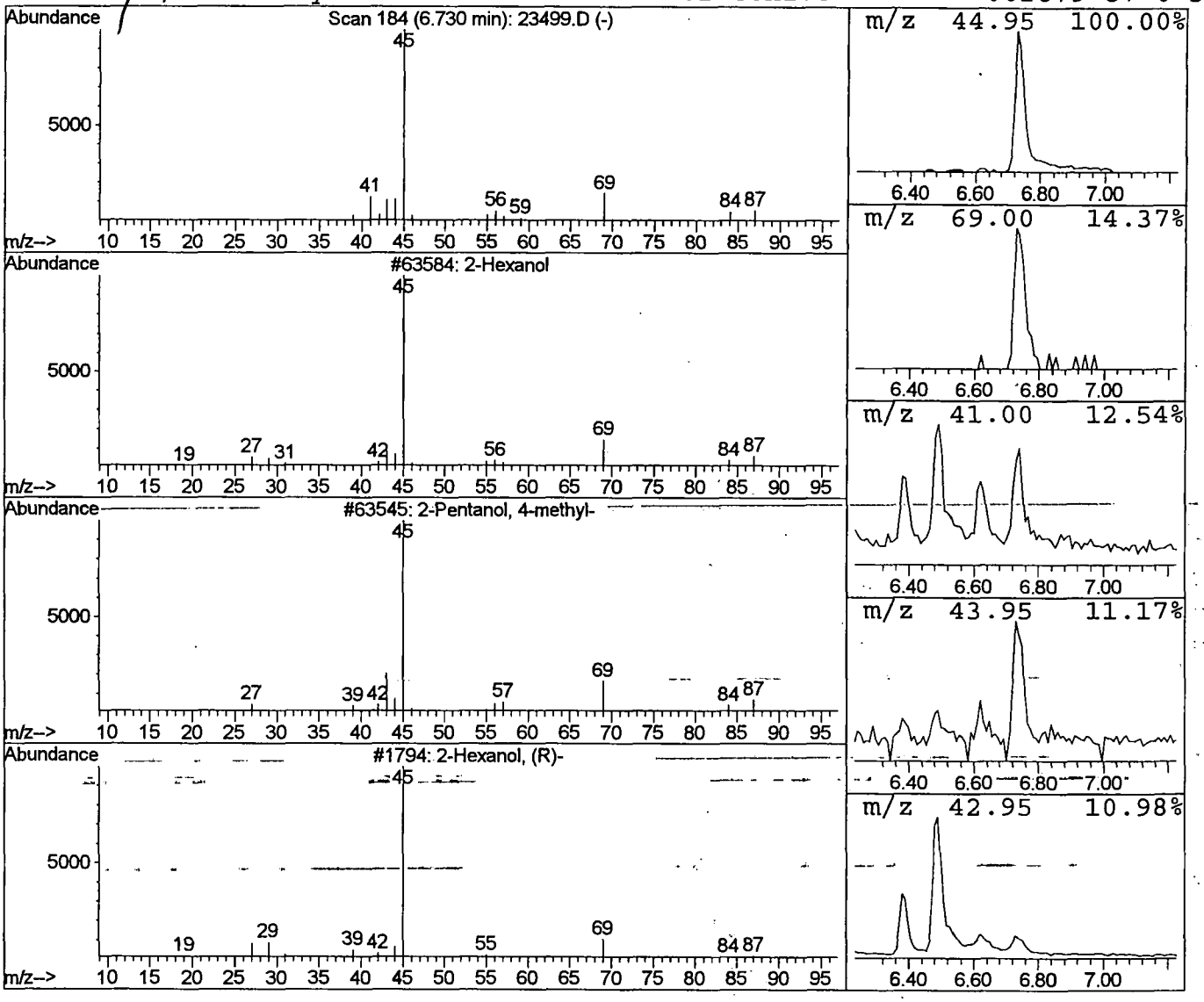
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 3 2-Hexanol Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.73 | 0.51 ug/l | 51694 | 1,4-Dichlorobenzene-d4 | 11.76 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Hexanol | 102 | C6H14O | 000626-93-7 | 83 |
| 2 | 2-Pentanol, 4-methyl- | 102 | C6H14O | 000108-11-2 | 74 |
| 3 | 2-Hexanol, (R)- | 102 | C6H14O | 026549-24-6 | 43 |
| 4 | Butane, 2-ethoxy- | 102 | C6H14O | 002679-87-0 | 39 |






NYC-WTC_000088808

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT1601\23499.D
Acq On : 16 Oct 2001 8:06 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 7
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

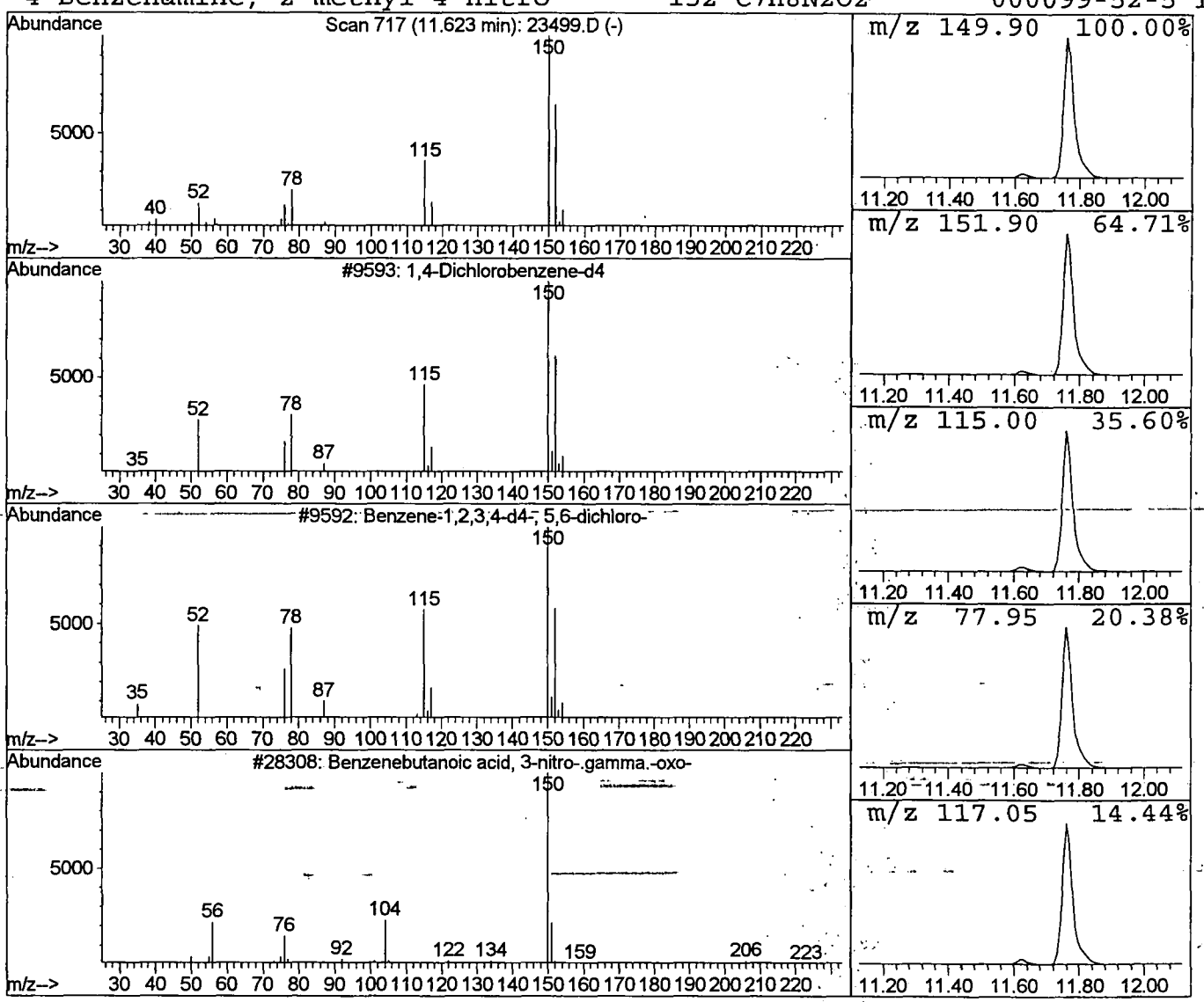
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 4 1,4-Dichlorobenzene-d4 Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.62 | 0.52 ug/l | 52248 | 1,4-Dichlorobenzene-d4 | 11.76 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,4-Dichlorobenzene-d4 | 150 | C6Cl2D4 | 003855-82-1 | 72 |
| 2 | Benzene-1,2,3,4-d4-, 5,6-dichloro- | 150 | C6Cl2D4 | 002199-69-1 | 36 |
| 3 | Benzenebutanoic acid, 3-nitro-.gamm | 223 | C10H9NO5 | 006328-00-3 | 17 |
| 4 | Benzenamine, 2-methyl-4-nitro- | 152 | C7H8N2O2 | 000099-52-5 | 12 |






NYC-WTC_000088809

NYC 9/11 Public Portal Document

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT1601\23499.D
Acq On : 16 Oct 2001 8:06 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 7
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

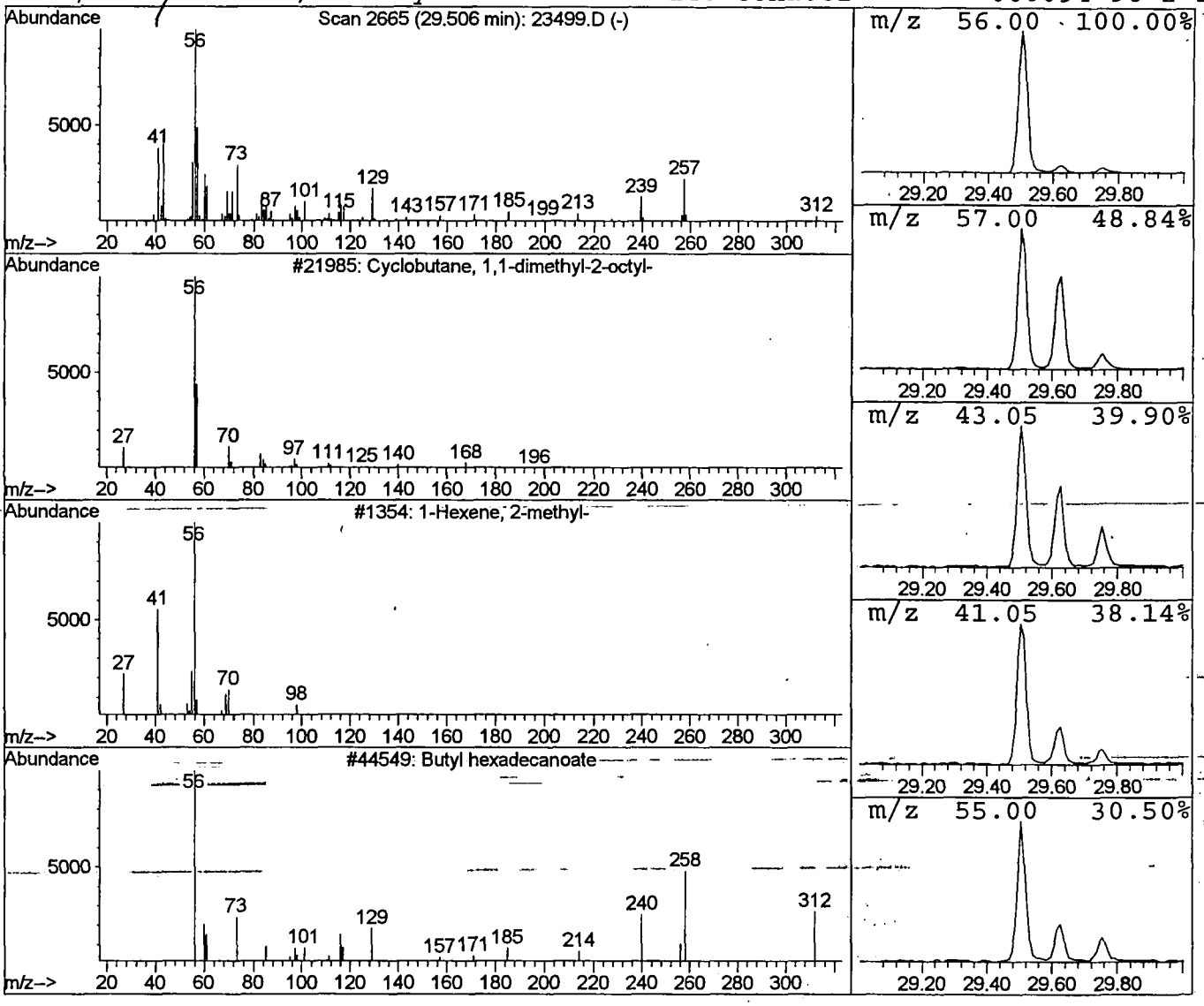
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 5 Cyclobutane, 1,1-dimethyl-2-oc Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 29.51 | 5.12 ug/l | 620717 | Chrysene-d12 | 33.12 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclobutane, 1,1-dimethyl-2-octyl- | 196 | C14H28 | 062338-30-1 | 27 |
| 2 | 1-Hexene, 2-methyl- | 98 | C7H14 | 006094-02-6 | 27 |
| 3 | Butyl hexadecanoate | 312 | C20H40O2 | 000000-00-0 | 25 |
| 4 | 1,3-Hexanediol, 2-ethyl- | 146 | C8H18O2 | 000094-96-2 | 25 |






NYC-WTC_000088810

NYC 9/11 Public Portal Document

# Library Search-Compound-Report

Data File : C:\HPCHEM\1\DATA\OCT1601\23499.D
Acq On : 16 Oct 2001 8:06 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 7
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

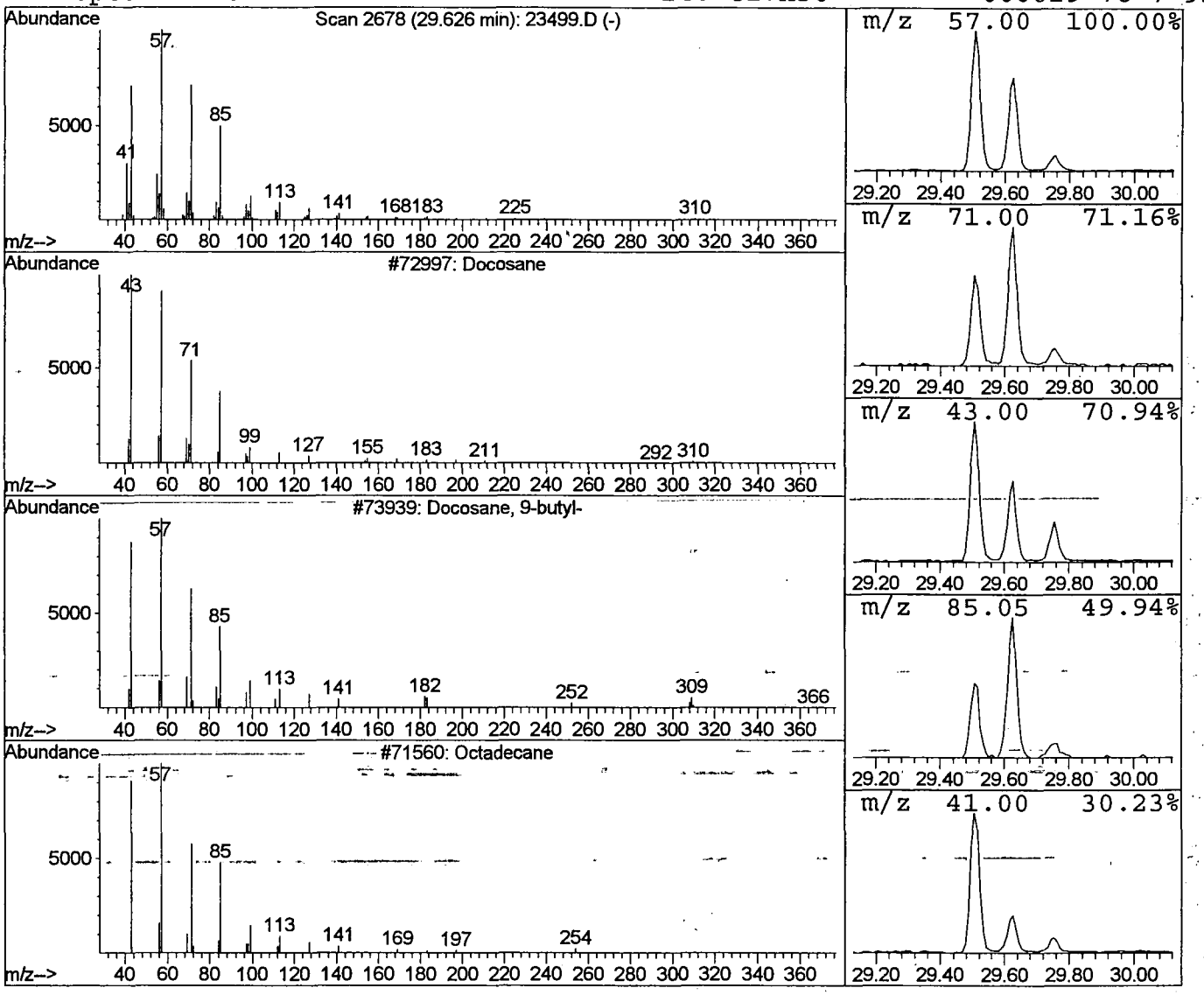
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 6 Docosane — Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 29.63 | 1.43 ug/l | 172676 | Chrysene-d12 | 33.12 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Docosane | 310 | C22H46 | 000629-97-0 | 93 |
| 2 | Docosane, 9-butyl- | 366 | C26H54 | 055282-14-9 | 91 |
| 3 | Octadecane | 254 | C18H38 | 000593-45-3 | 91 |
| 4 | Heptadecane | 240 | C17H36 | 000629-78-7 | 91 |






NYC-WTC_000088811

NYC 9/11 Public Portal Document

## Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT1601\23499.D
Acq On : 16 Oct 2001 8:06 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 7
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

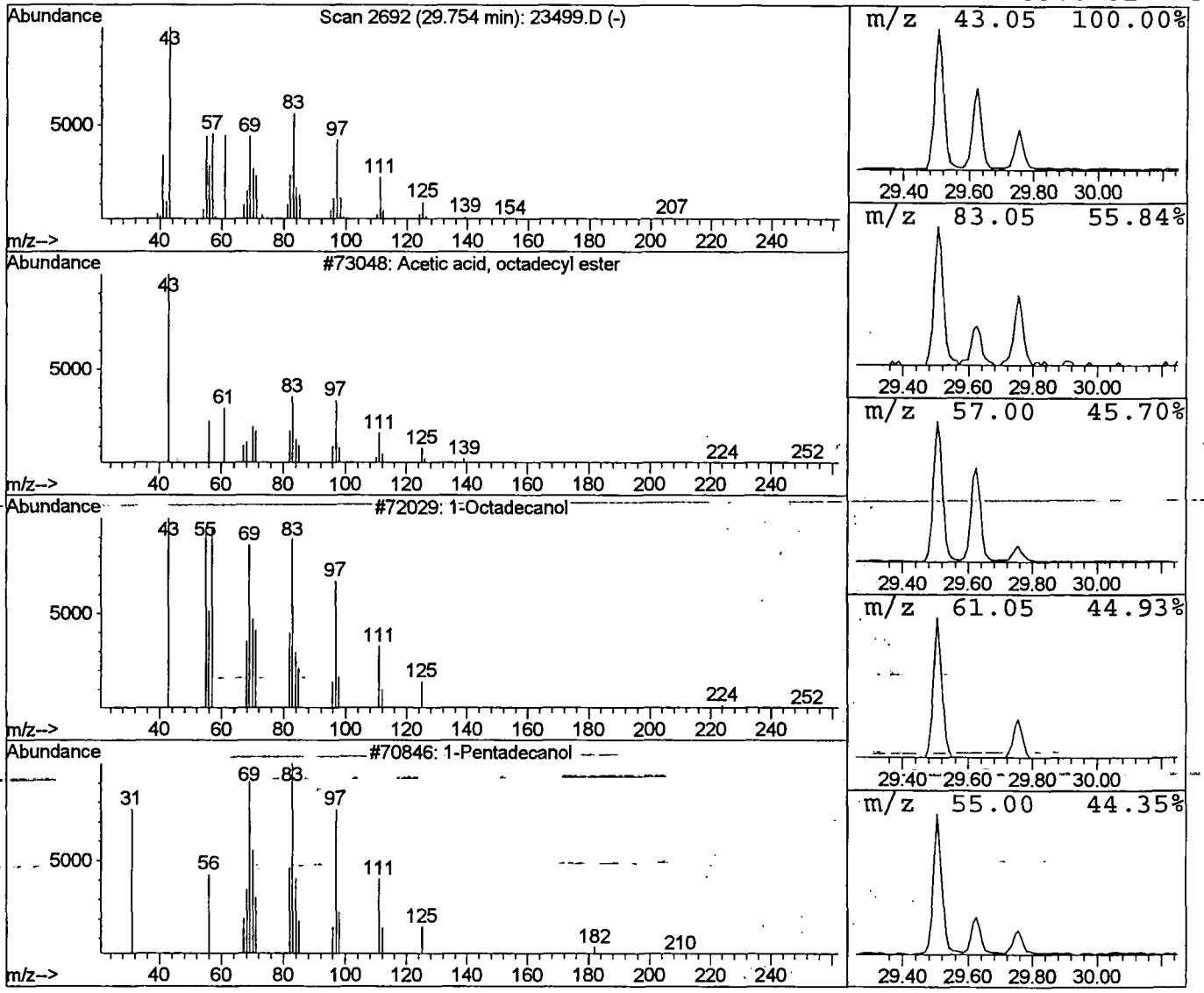
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 7 Acetic acid, octadecyl ester Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 29.75 | 0.69 ug/l | 83824 | Chrysene-d12 | 33.12 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Acetic acid, octadecyl ester | 312 | C20H40O2 | 000822-23-1 | 81 |
| 2 | 1-Octadecanol | 270 | C18H38O | 000112-92-5 | 76 |
| 3 | 1-Pentadecanol | 228 | C15H32O | 000629-76-5 | 74 |
| 4 | 1-Pentadecene | 210 | C15H30 | 013360-61-7 | 52 |






NYC-WTC_000088812

NYC 9/11 Public Portal Document

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT1601\23499.D
Acq On : 16 Oct 2001 8:06 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 7
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

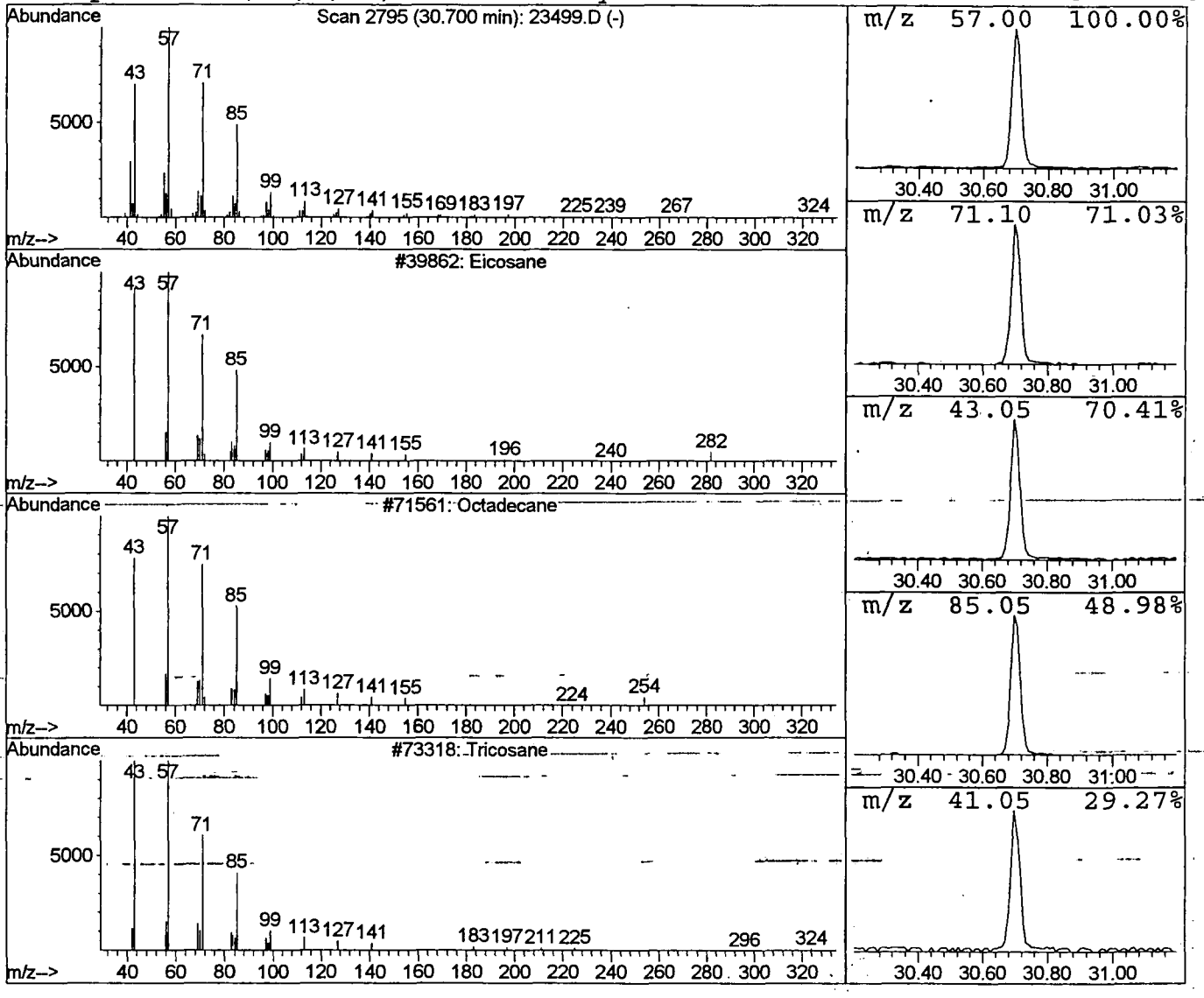
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 8 Eicosane Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 30.70 | 2.32 ug/l | 281460 | Chrysene-d12 | 33.12 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 91 |
| 2 | Octadecane | 254 | C18H38 | 000593-45-3 | 91 |
| 3 | Tricosane | 324 | C23H48 | 000638-67-5 | 91 |
| 4 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 91 |






NYC-WTC_000088813

NYC 9/11 Public Portal Document

# Library Search-Compound Report

Data File : C:\HPCHEM\1\DATA\OCT1601\23499.D
Acq On : 16 Oct 2001 8:06 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 7
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

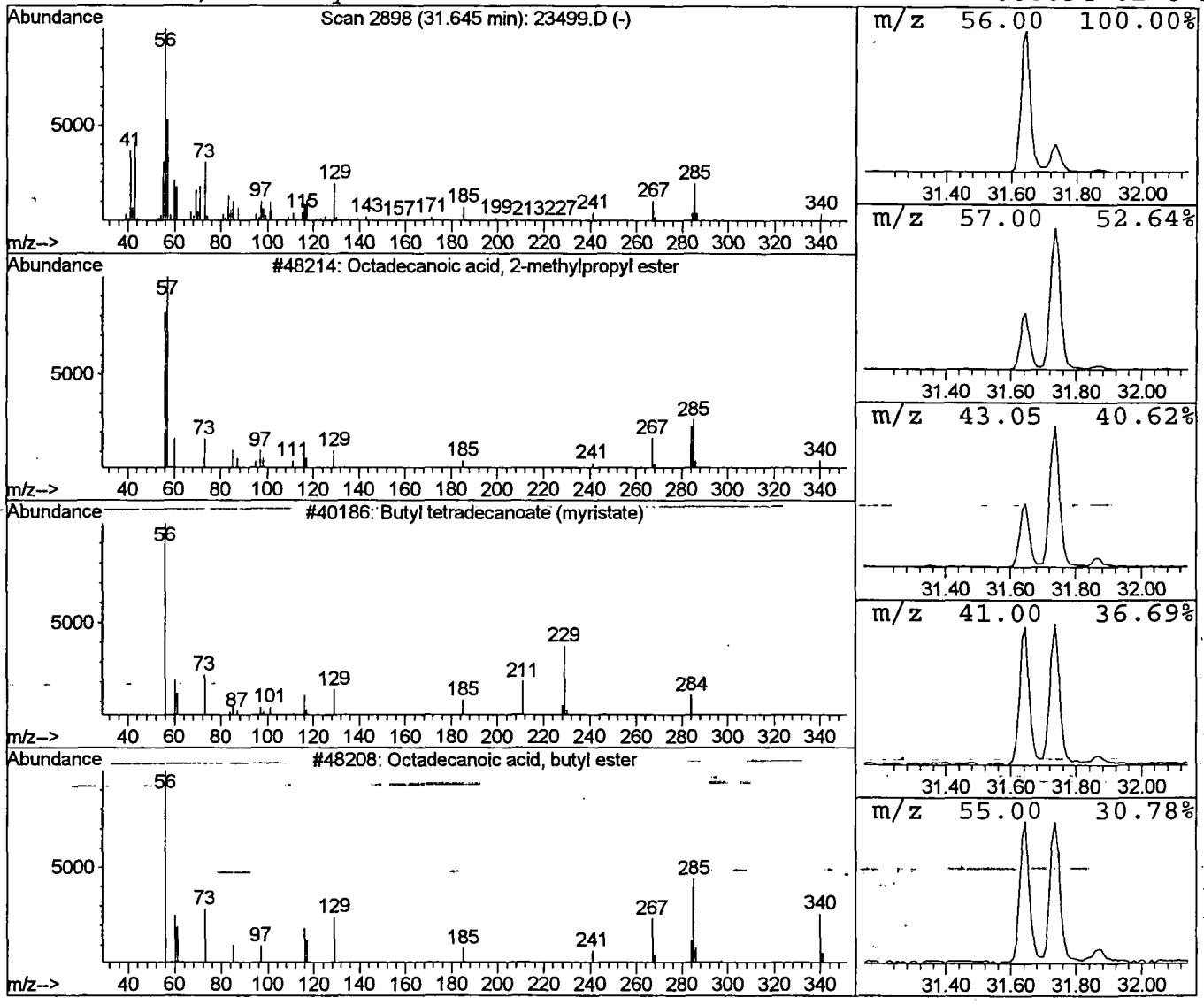
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 9 Octadecanoic acid, 2-methylpro Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 31.65 | 3.84 ug/l | 465044 | Chrysene-d12 | 33.12 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid, 2-methylpropyl e | 340 | C22H44O2 | 000646-13-9 | 87 |
| 2 | Butyl tetradecanoate (myristate) | 284 | C18H36O2 | 000000-00-0 | 64 |
| 3 | Octadecanoic acid, butyl ester | 340 | C22H44O2 | 000123-95-5 | 38 |
| 4 | 1-Hexene, 2-methyl- | 98 | C7H14 | 006094-02-6 | 27 |






NYC-WTC_000088814

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT1601\23499.D
Acq On : 16 Oct 2001 8:06 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 7
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

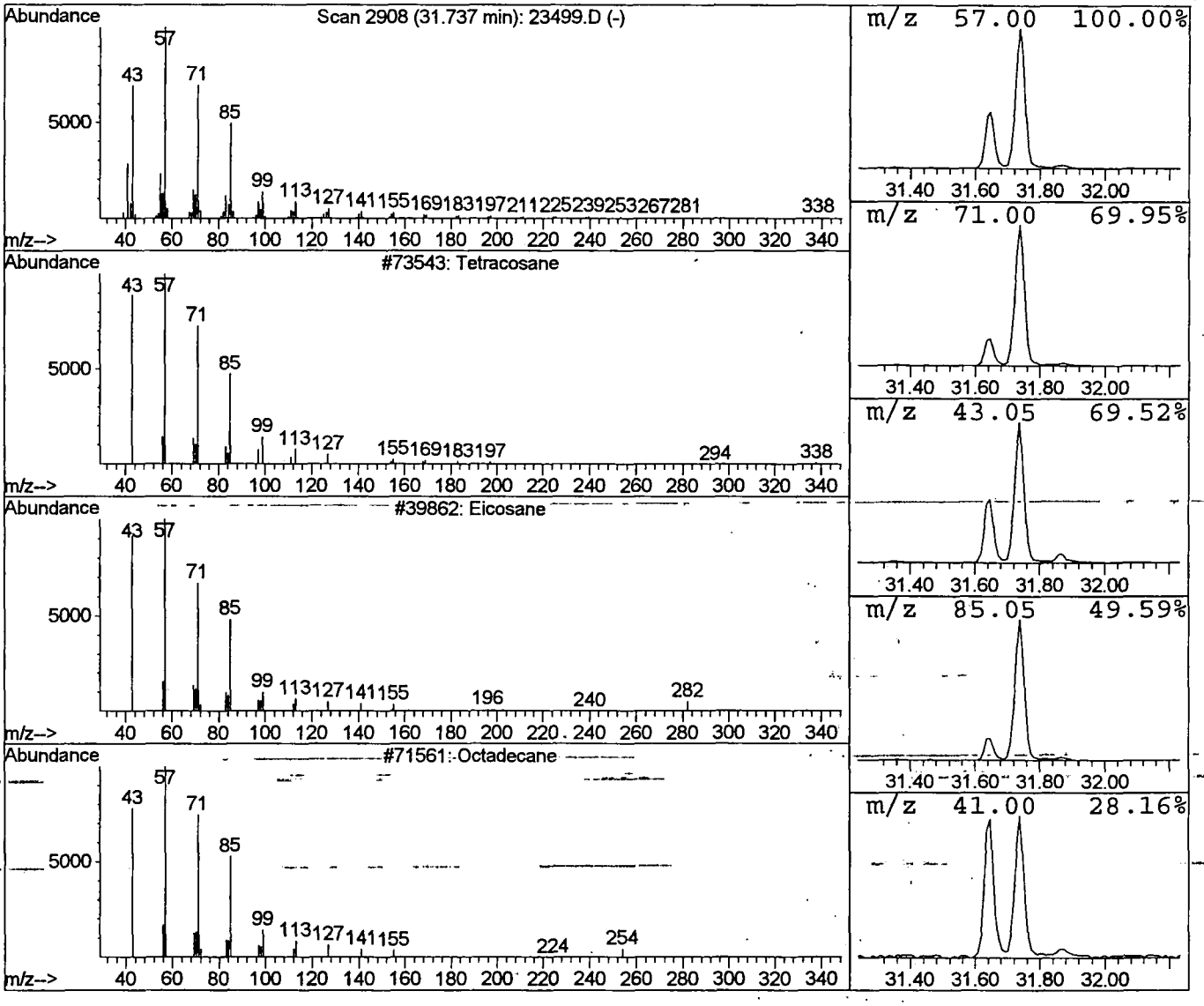
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 10 Tetracosane Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 31.74 | 4.32 ug/l | 523900 | Chrysene-d12 | 33.12 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetracosane | 338 | C24H50 | 000646-31-1 | 99 |
| 2 | Eicosane | 282 | C20H42 | 000112-95-8 | 91 |
| 3 | Octadecane | 254 | C18H38 | 000593-45-3 | 91 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |






NYC-WTC_000088815

NYC 9/11 Public Portal Document

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT1601\23499.D
Acq On : 16 Oct 2001 8:06 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 7
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

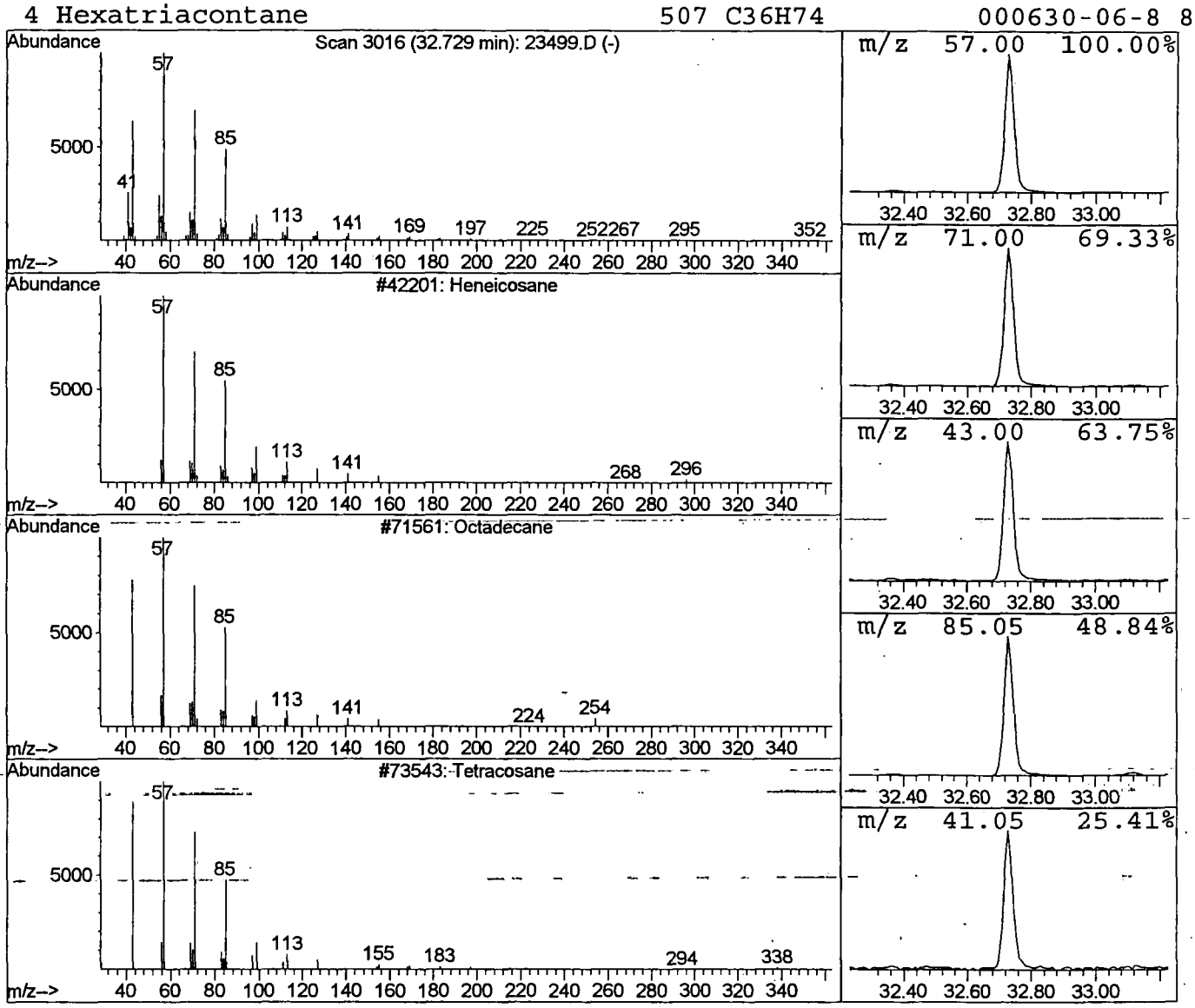
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 11 Heneicosane — Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 32.73 | 4.41 ug/l | 534181 | Chrysene-d12 | 33.12 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 2 | Octadecane | 254 | C18H38 | 000593-45-3 | 91 |
| 3 | Tetracosane | 338 | C24H50 | 000646-31-1 | 90 |
| 4 | Hexatriacontane | 507 | C36H74 | 000630-06-8 | 87 |






NYC-WTC_000088816

NYC 9/11 Public Portal Document

# Library Search-Compound-Report

Data File : C:\HPCHEM\1\DATA\OCT1601\23499.D
Acq On : 16 Oct 2001 8:06 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 7
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

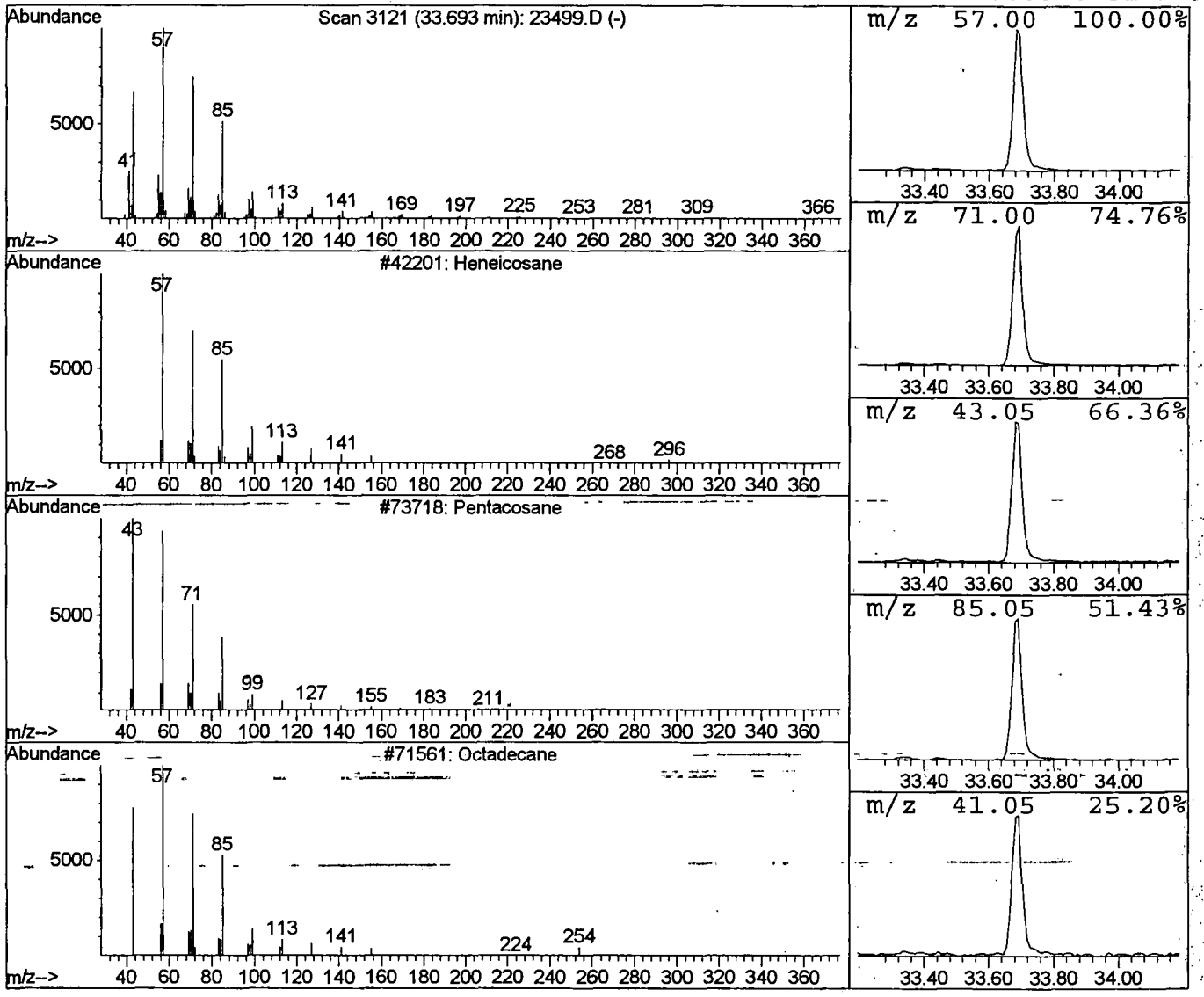
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 12 Heneicosane — Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 33.69 | 5.10 ug/l | 617514 | Chrysene-d12 | 33.12 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 2 | Pentacosane | 352 | C25H52 | 000629-99-2 | 91 |
| 3 | Octadecane | 254 | C18H38 | 000593-45-3 | 91 |
| 4 | Tetracosane | 338 | C24H50 | 000646-31-1 | 91 |






NYC-WTC_000088817

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT1601\23499.D
Acq On : 16 Oct 2001 8:06 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 7
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

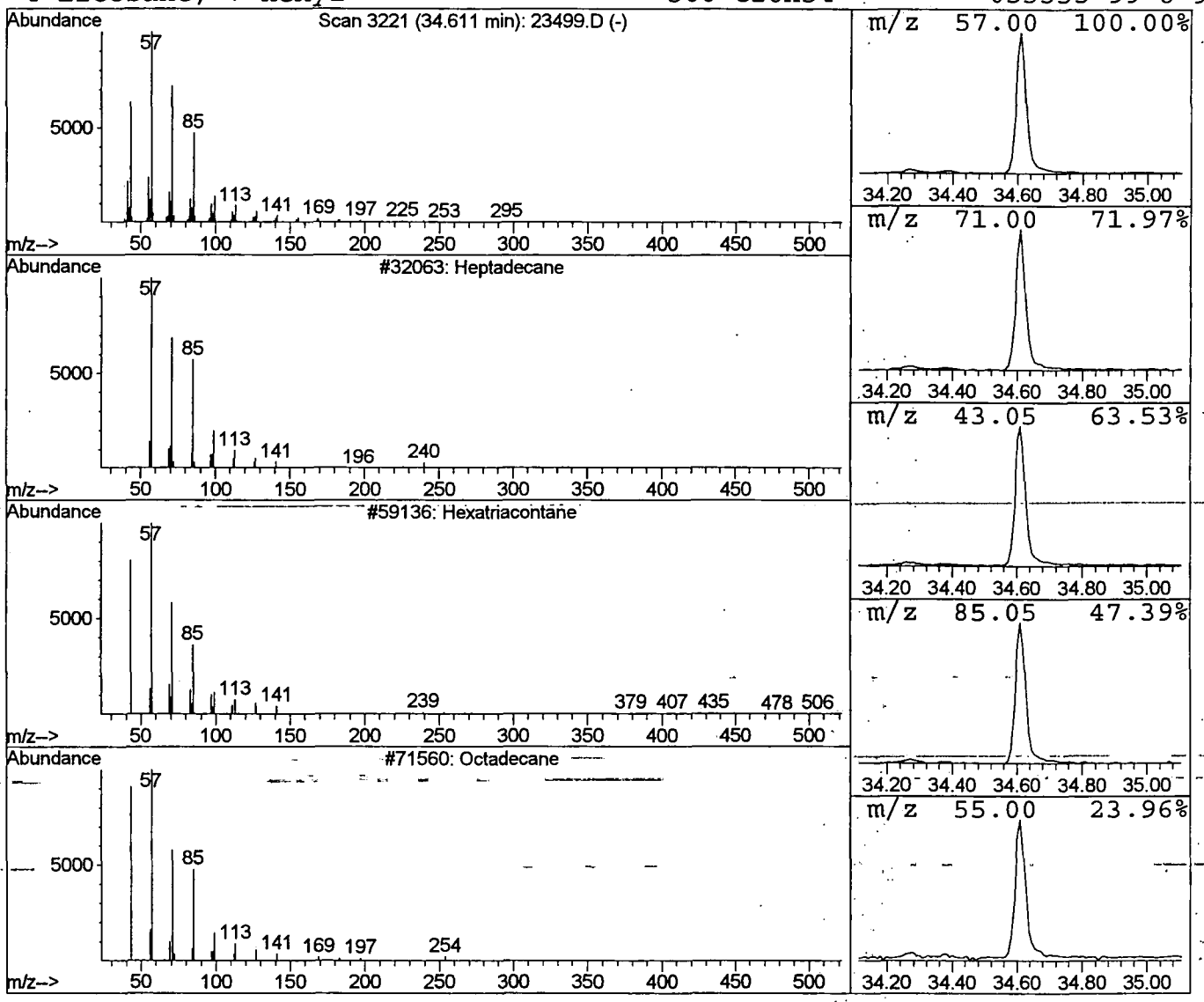
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 13 Heptadecane Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 34.61 | 3.83 ug/l | 463841 | Chrysene-d12 | 33.12 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane | 240 | C17H36 | 000629-78-7 | 91 |
| 2 | Hexatriacontane | 507 | C36H74 | 000630-06-8 | 91 |
| 3 | Octadecane | 254 | C18H38 | 000593-45-3 | 91 |
| 4 | Eicosane, 7-hexyl- | 366 | C26H54 | 055333-99-8 | 91 |






NYC-WTC_000088818

NYC 9/11 Public Portal Document

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT1601\23499.D
Acq On : 16 Oct 2001 8:06 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 7
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

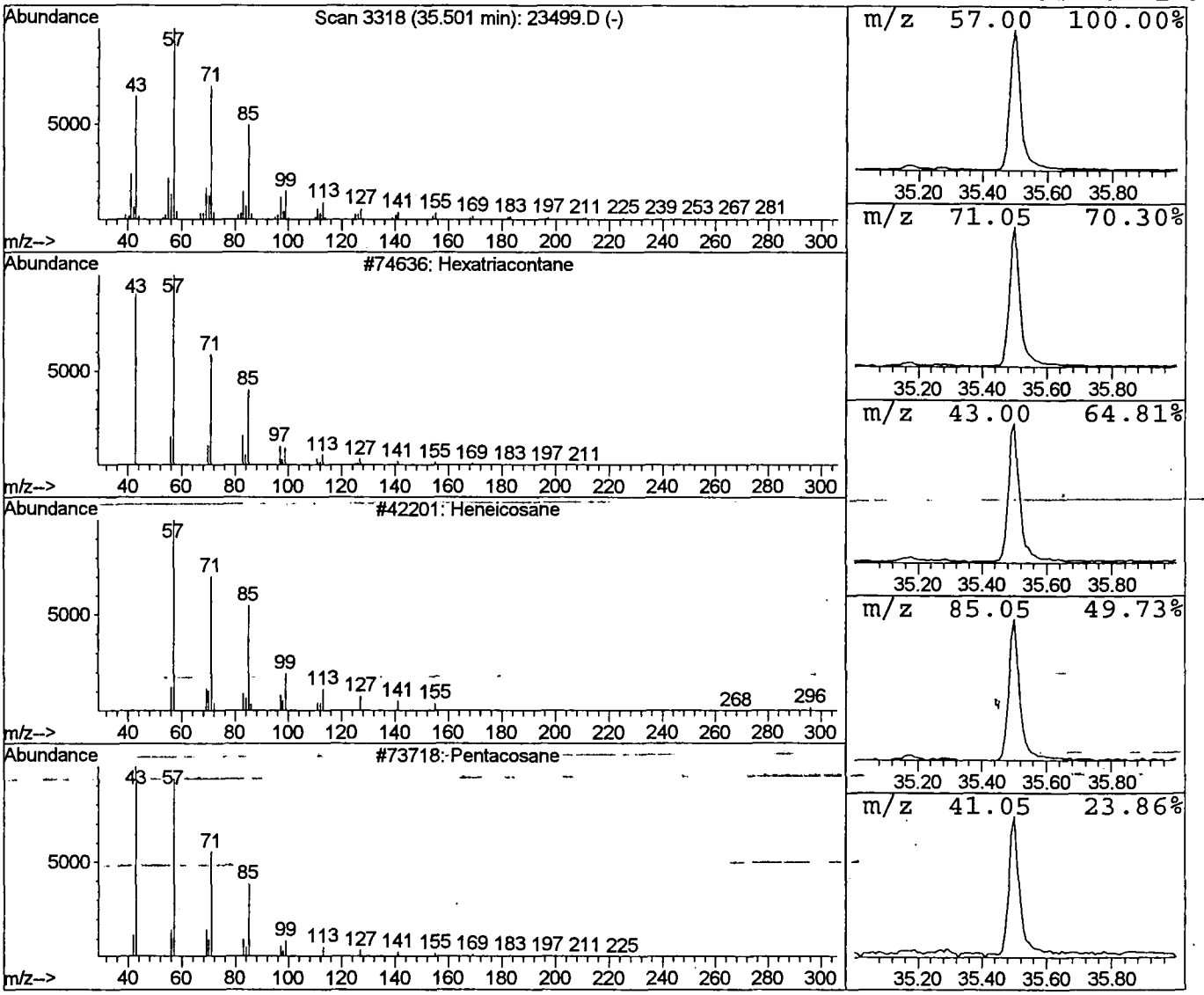
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 14 Hexatriacontane Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 35.50 | 3.77 ug/l | 396149 | Perylene-d12 | 37.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexatriacontane | 507 | C36H74 | 000630-06-8 | 94 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 3 | Pentacosane | 352 | C25H52 | 000629-99-2 | 91 |
| 4 | Tetracosane | 338 | C24H50 | 000646-31-1 | 91 |






NYC-WTC_000088819

NYC 9/11 Public Portal Document

# Library-Search-Compound-Report

Data File : C:\HPCHEM\1\DATA\OCT1601\23499.D
Acq On : 16 Oct 2001 8:06 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 7
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

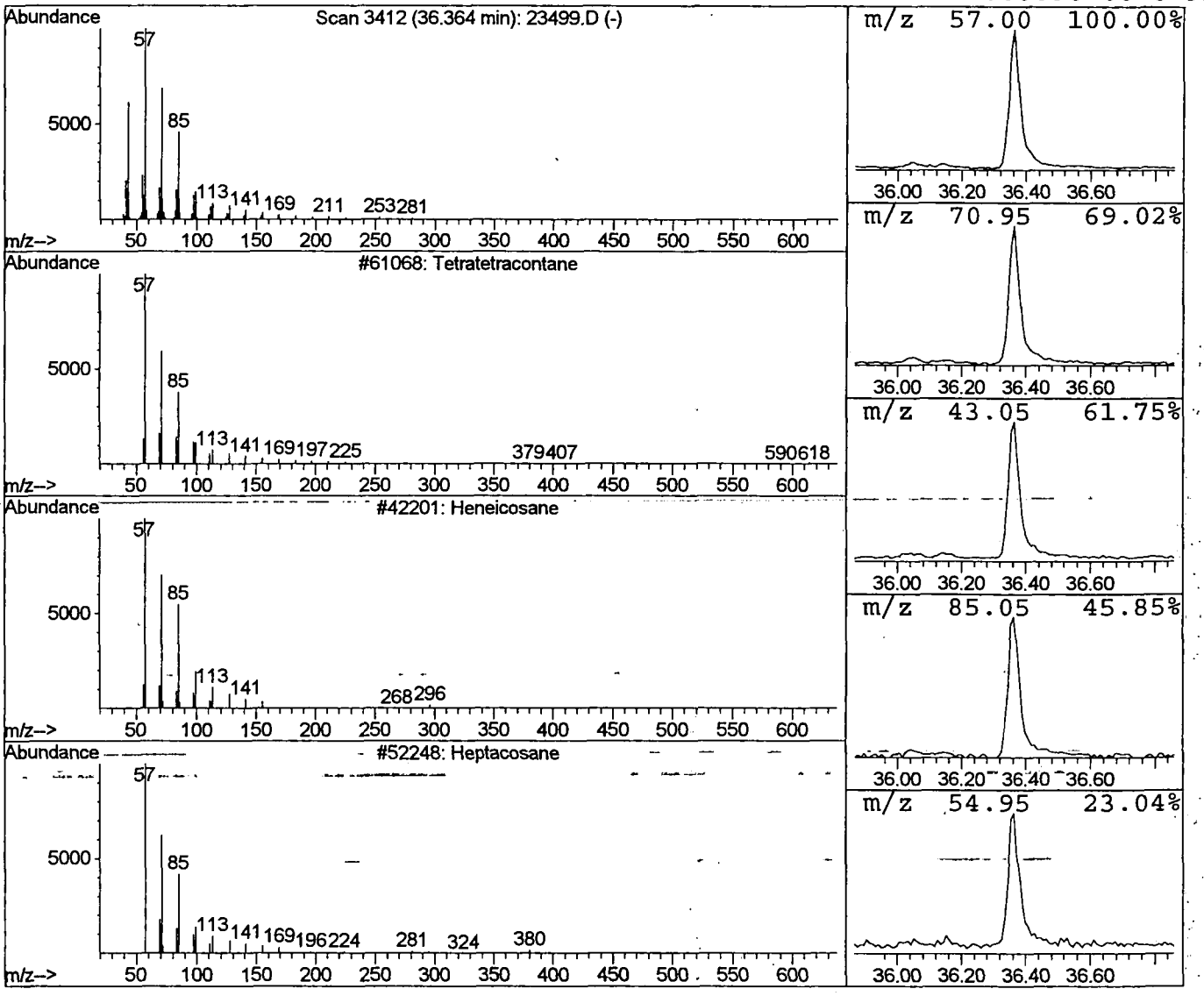
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 15 Tetratetracontane Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 36.36 | 2.28 ug/l | 240059 | Perylene-d12 | 37.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 91 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 3 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |
| 4 | Hexatriacontane | 507 | C36H74 | 000630-06-8 | 91 |






NYC-WTC_000088820

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT1601\23499.D
Acq On : 16 Oct 2001 8:06 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 7
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

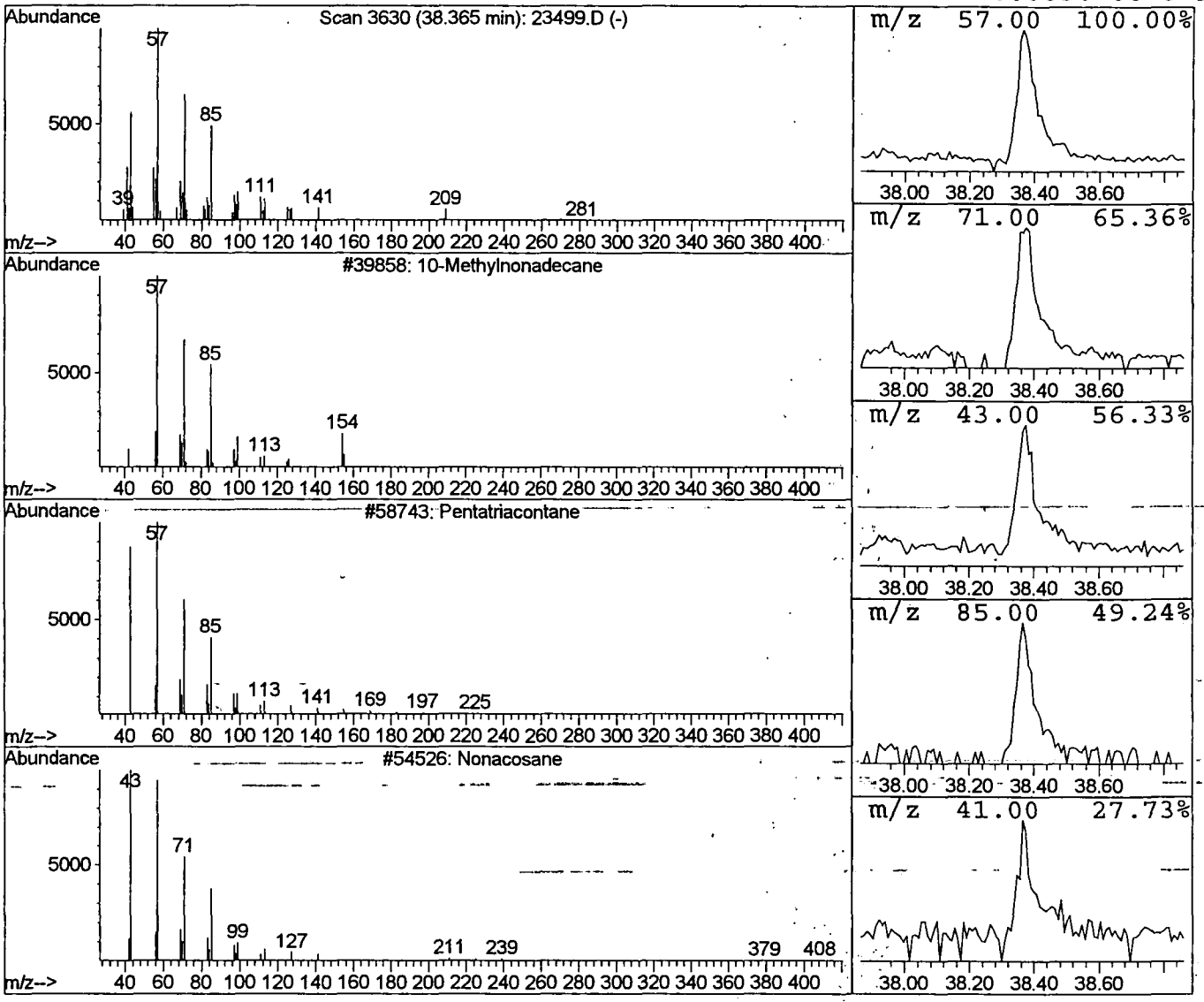
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 16 10-Methylnonadecane Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 38.37 | 0.68 ug/l | 71531 | Perylene-d12 | 37.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 10-Methylnonadecane | 282 | C20H42 | 000000-00-0 | 91 |
| 2 | Pentatriacontane | 493 | C35H72 | 000630-07-9 | 90 |
| 3 | Nonacosane | 408 | C29H60 | 000630-03-5 | 90 |
| 4 | Hexatriacontane | 507 | C36H74 | 000630-06-8 | 90 |






NYC-WTC_000088821

NYC 9/11 Public Portal Document

## Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT1601\23499.D
Acq On : 16 Oct 2001 8:06 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 7
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

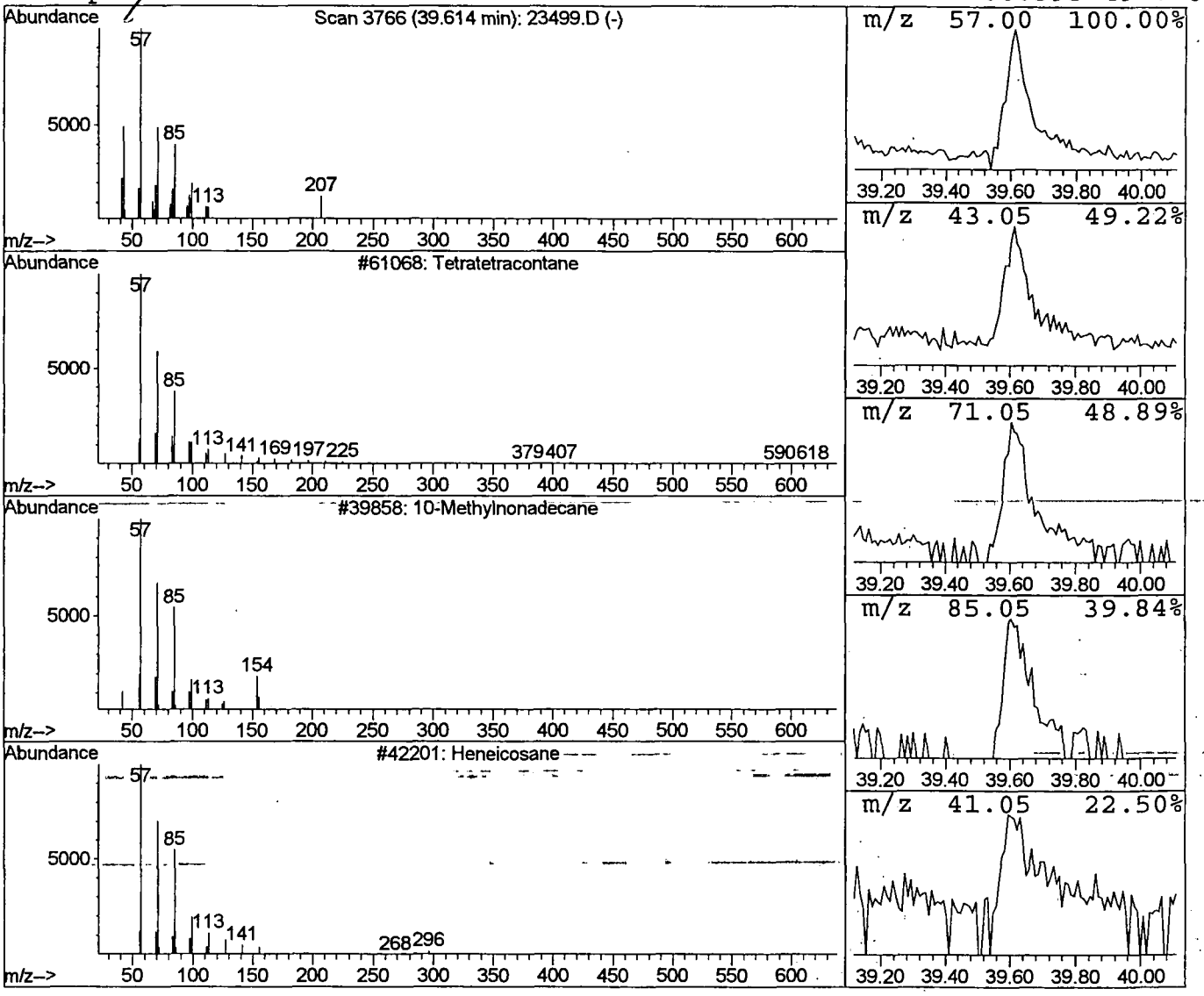
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 17 Tetratetracontane Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 39.61 | 0.48 ug/l | 50908 | Perylene-d12 | 37.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 72 |
| 2 | 10-Methylnonadecane | 282 | C20H42 | 000000-00-0 | 72 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 64 |
| 4 | Heptacosane | 380 | C27H56 | 000593-49-7 | 64 |






NYC-WTC_000088822

NYC 9/11 Public Portal Document

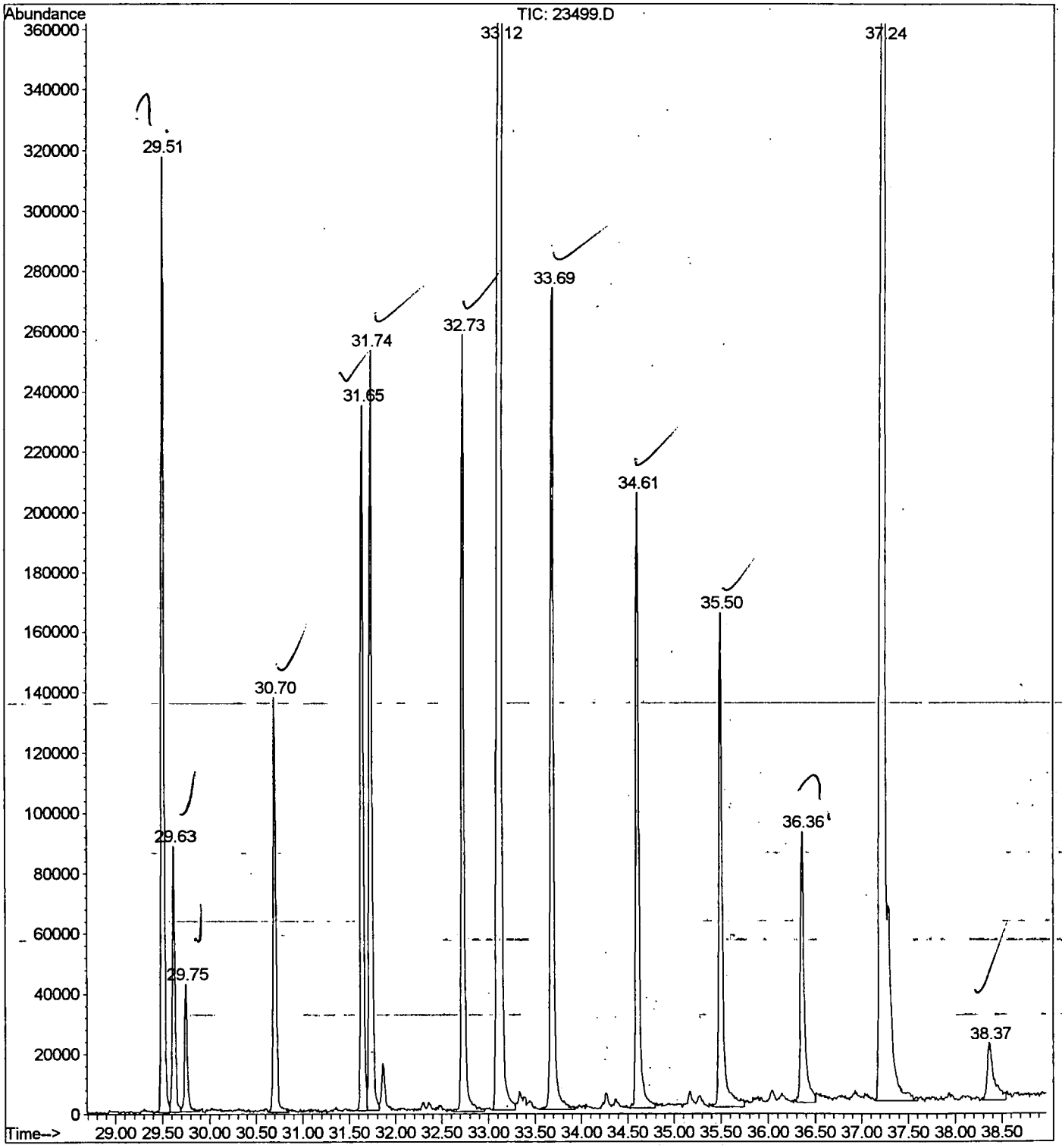
# Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 16 Oct 2001 8:06 pm
Data File: C:\HPCHEM\1\DATA\OCT1601\23499.D
Name: gc/ms unknown
Misc:
Method: C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title: 209 625/TCLP calibration table 7/16/01
Library Searched: C:\DATABASE\NBS75K.L

| TIC Top Hit name | RT | EstConc | Units | Area | IntStd | ISRT | ISArea | ISConc |
|---|---|---|---|---|---|---|---|---|
| 3-Hexanone | 6.38 | 0.4 | ug/l | 41621 | ISTD01 | 11.76 | 2027770 | 20.0 |
| 2-Hexanone | 6.49 | 0.9 | ug/l | 90269 | ISTD01 | 11.76 | 2027770 | 20.0 |
| 2-Hexanol | 6.73 | 0.5 | ug/l | 51694 | ISTD01 | 11.76 | 2027770 | 20.0 |
| 1,4-Dichlorobenzene- | 11.62 | 0.5 | ug/l | 52248 | ISTD01 | 11.76 | 2027770 | 20.0 |
| Cyclobutane, 1,1-dim | 29.51 | 5.1 | ug/l | 620717 | ISTD05 | 33.12 | 2422770 | 20.0 |
| Docosane | 29.63 | 1.4 | ug/l | 172676 | ISTD05 | 33.12 | 2422770 | 20.0 |
| Acetic acid, octadec | 29.75 | 0.7 | ug/l | 83824 | ISTD05 | 33.12 | 2422770 | 20.0 |
| Eicosane | 30.70 | 2.3 | ug/l | 281460 | ISTD05 | 33.12 | 2422770 | 20.0 |
| Octadecanoic acid, 2 | 31.65 | 3.8 | ug/l | 465044 | ISTD05 | 33.12 | 2422770 | 20.0 |
| Tetracosane | 31.74 | 4.3 | ug/l | 523900 | ISTD05 | 33.12 | 2422770 | 20.0 |
| Heneicosane | 32.73 | 4.4 | ug/l | 534181 | ISTD05 | 33.12 | 2422770 | 20.0 |
| Heneicosane | 33.69 | 5.1 | ug/l | 617514 | ISTD05 | 33.12 | 2422770 | 20.0 |
| Heptadecane | 34.61 | 3.8 | ug/l | 463841 | ISTD05 | 33.12 | 2422770 | 20.0 |
| Hexatriacontane | 35.50 | 3.8 | ug/l | 396149 | ISTD06 | 37.24 | 2101590 | 20.0 |
| Tetratetracontane | 36.36 | 2.3 | ug/l | 240059 | ISTD06 | 37.24 | 2101590 | 20.0 |
| 10-Methylnonadecane | 38.37 | 0.7 | ug/l | 71531 | ISTD06 | 37.24 | 2101590 | 20.0 |
| Tetratetracontane | 39.61 | 0.5 | ug/l | 50908 | ISTD06 | 37.24 | 2101590 | 20.0 |

23499.D NP091101.M Thu Oct 18 10:14:40 2001

File : C:\HPCHEM\1\DATA\OCT1601\23499.D
Operator : 209 GALOS
Acquired : 16 Oct 2001 8:06 pm using AcqMethod NP091101
Instrument : GC/MS 209
Sample Name: gc/ms unknown
Misc Info :
Vial Number: 7



**Comments for Sample AD23499 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 10-21-2001 Time: 10:08:41

A scan of the extract prepared for the 508 analysis, from 35 - 550 amu using a mass spectrometer, does not reveal the presence of any non-target compounds generally different than those present in the Laboratory Blank.