User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 09/27/2001 Time: 09:03:11

Sample: AD22493
Analysis: $GCMS GC/MS Scan For Unknowns
Started: 9/27/01 09:02 Ended: 9/27/01 09:02 Analyst: MG
Page: 1

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

needs validation
See LB

**Comments for Sample AD22493 - Analysis $GCMS**

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 10-03-2001 Time: 13:44:28

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.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\SEP2501\22493.D Vial: 4
Acq On : 25 Sep 2001 5:22 pm Operator: 209 GALOS
Sample : GC/MS unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 26 11:59 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 : Thu Sep 13 12:47:04 2001
Response via : Initial Calibration
DataAcq Meth : NP091101

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 11.78 | 152 | 460795 | 20.00 | ug/l | -0.13 |
| 19) Naphthalene-d8 | 15.40 | 136 | 1789223 | 20.00 | ug/l | -0.13 |
| 31) Acenaphthene-d10 | 20.69 | 164 | 822894 | 20.00 | ug/l | -0.13 |
| 49) Phenanthrene-d10 | 25.11 | 188 | 1145018 | 20.00 | ug/l | -0.13 |
| 59) Chrysene-d12 | 33.15 | 240 | 760579 | 20.00 | ug/l | -0.13 |
| 68) Perylene-d12 | 37.27 | 264 | 560990 | 20.00 | ug/l | -0.15 |
| **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 | 12.31 | 152 | 4808 | 0.21 | ug/l | -0.13 |
| Spiked Amount 50.000 | | | Recovery = | 0.42% | | |
| 20) Nitrobenzene-d5 | 0.00 | 82 | 0 | 0.00 | ug/l | |
| Spiked Amount 50.000 | | | Recovery = | 0.00% | | |
| 32) 2-Fluorobiphenyl | 18.83 | 172 | 1803 | 0.03 | ug/l | 0.02 |
| 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 | 5.28 | 79 | 266 | 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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\SEP2501\22493.D Vial: 4
Acq On : 25 Sep 2001 5:22 pm Operator: 209 GALOS
Sample : GC/MS unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 26 11:59 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 : Thu Sep 13 12:47:04 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 | 0.00 | 128 | 0 | 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 | 20.24 | 165 | 188 | N.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 | 21.13 | 65 | 457 | N.D. | |
| 44) | 2,4-Dinitrotoluene | 0.00 | 165 | 0 | N.D. | |
| 45) | Diethylphthalate | 22.17 | 149 | 397 | 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 | 25.11 | 178 | 337 | N.D. | |
| 56) | Anthracene | 25.11 | 178 | 337 | N.D. | |
| 57) | Di-n-butylphthalate | 27.11 | 149 | 2467 | N.D. | |
| 58) | Fluoranthene | 0.00 | 202 | 0 | N.D. | |
| 60) | 3,3'-Dichlorobenzidine | 33.73 | 252 | 434 | N.D. | |
| 61) | Benzidine | 29.29 | 184 | 1099 | N.D. | |
| 63) | Pyrene | 0.00 | 202 | 0 | N.D. | |
| 64) | Butylbenzylphthalate | 31.68 | 149 | 702 | N.D. | |
| 65) | Benzo(a)anthracene | 33.15 | 228 | 1814 | N.D. | |
| 66) | Bis(2-ethylhexyl)phthalate | 33.42 | 149 | 2613 | N.D. | |
| 67) | Chrysene | 33.15 | 228 | 1814 | N.D. | |
| 69) | Di-n-Octylphthalate | 35.17 | 149 | 1221 | N.D. | |
| 70) | Benzo(b)fluoranthene | 0.00 | 252 | 0 | N.D. | |

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\SEP2501\22493.D Vial: 4
Acq On : 25 Sep 2001 5:22 pm Operator: 209 GALOS
Sample : GC/MS unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 26 11:59 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 : Thu Sep 13 12:47:04 2001
Response via : Initial Calibration
DataAcq Meth : NP091101

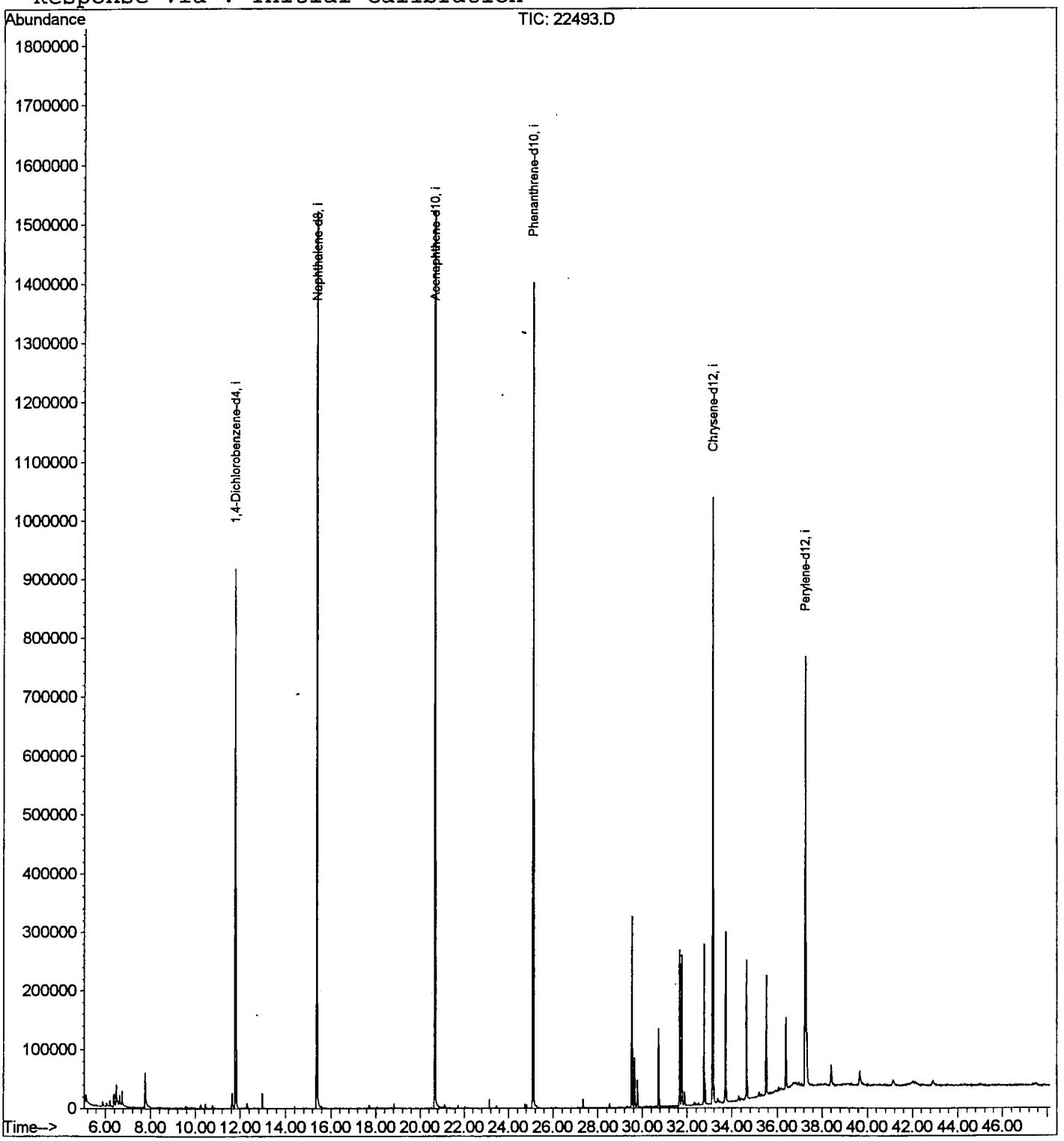
| Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|
| 71) Benzo(k)fluoranthene | 0.00 | 252 | 0 | N.D. | |
| 72) Benzo(a)pyrene | 37.27 | 252 | 2131 | N.D. | |
| 73) Indeno(1,2,3-cd)pyrene | 0.00 | 276 | 0 | N.D. | |
| 74) Dibenz(a,h)anthracene | 0.00 | 278 | 0 | N.D. | |
| 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\SEP2501\22493.D  Vial: 4
Acq On : 25 Sep 2001 5:22 pm  Operator: 209 GALOS
Sample : GC/MS unknown  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Sep 26 11:59 2001  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 : Thu Sep 13 12:47:04 2001
Response via : Initial Calibration



# LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\SEP2501\22493.D  Vial: 4
Acq On : 25 Sep 2001 5:22 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

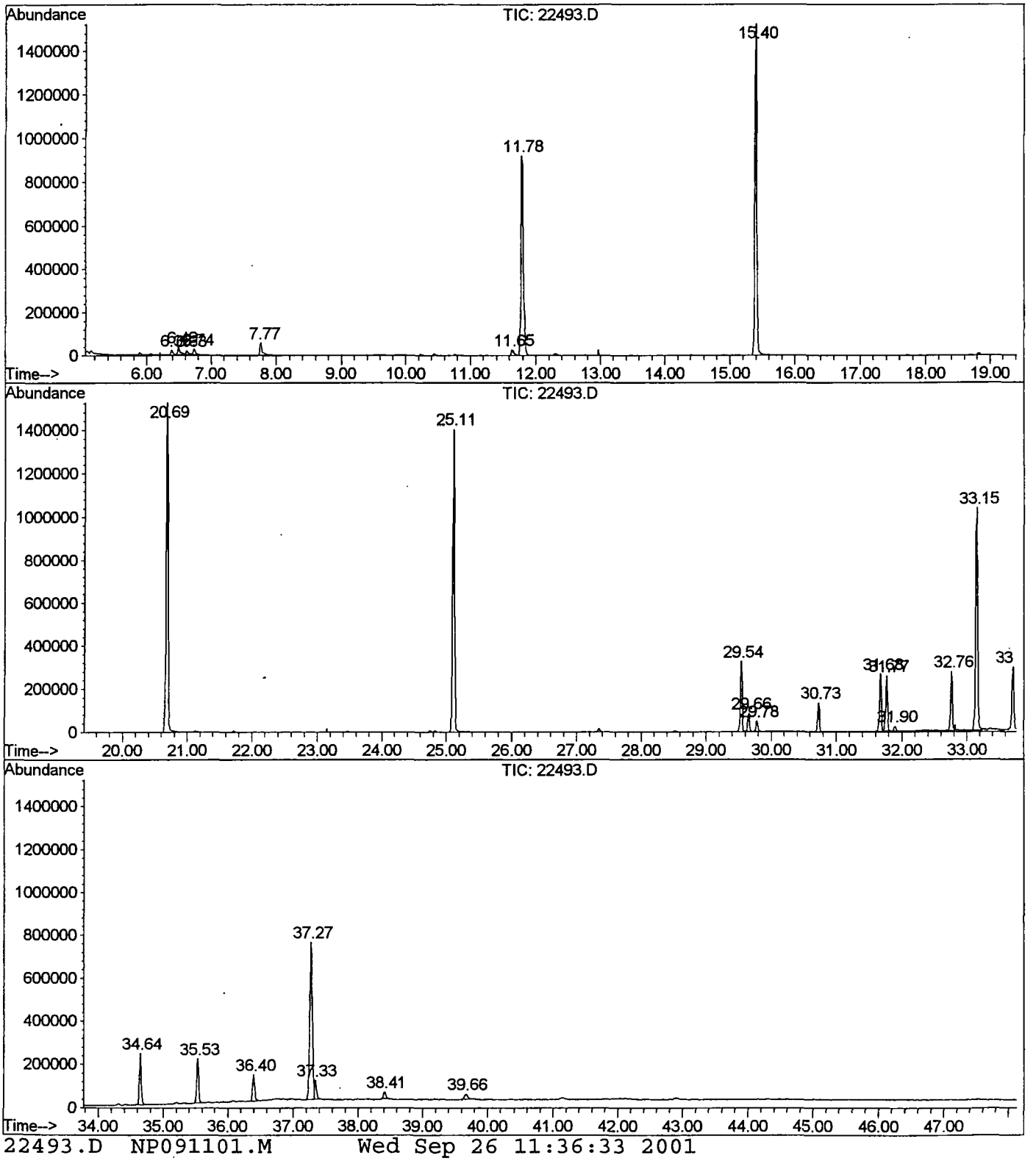
| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | peak area | peak % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.394 | 142 | 147 | 153 | rBV | 22623 | 50556 | 1.55% | 0.234% |
| 2 | 6.495 | 154 | 158 | 169 | rVV | 37060 | 104288 | 3.20% | 0.483% |
| 3 | 6.633 | 169 | 173 | 177 | rVV2 | 18621 | 42397 | 1.30% | 0.196% |
| 4 | 6.743 | 181 | 185 | 193 | rVB | 25142 | 53791 | 1.65% | 0.249% |
| 5 | 7.771 | 293 | 297 | 309 | rBV | 58900 | 146966 | 4.51% | 0.681% |
| 6 | 11.645 | 715 | 719 | 729 | rBV | 26000 | 65751 | 2.02% | 0.305% |
| 7 | 11.783 | 729 | 734 | 746 | rBV | 918295 | 2358221 | 72.30% | 10.927% |
| 8 | 15.400 | 1121 | 1128 | 1141 | rBV | 1522191 | 3238285 | 99.28% | 15.005% |
| 9 | 20.688 | 1697 | 1704 | 1713 | rBV | 1524328 | 3261815 | 100.00% | 15.114% |
| 10 | 25.113 | 2179 | 2186 | 2198 | rBV2 | 1402721 | 2968654 | 91.01% | 13.755% |
| 11 | 29.537 | 2662 | 2668 | 2674 | rBV | 325106 | 607762 | 18.63% | 2.816% |
| 12 | 29.657 | 2676 | 2681 | 2686 | rVB | 83616 | 162351 | 4.98% | 0.752% |
| 13 | 29.776 | 2689 | 2694 | 2699 | rBV | 46284 | 92147 | 2.83% | 0.427% |
| 14 | 30.731 | 2793 | 2798 | 2804 | rBV | 133787 | 259924 | 7.97% | 1.204% |
| 15 | 31.677 | 2895 | 2901 | 2906 | rBV | 265998 | 530754 | 16.27% | 2.459% |
| 16 | 31.768 | 2906 | 2911 | 2920 | rVV | 256192 | 512328 | 15.71% | 2.374% |
| 17 | 31.897 | 2920 | 2925 | 2930 | rVB2 | 23312 | 46857 | 1.44% | 0.217% |
| 18 | 32.760 | 3013 | 3019 | 3025 | rBV | 273745 | 540730 | 16.58% | 2.505% |
| 19 | 33.155 | 3055 | 3062 | 3071 | rBV2 | 1033307 | 2355649 | 72.22% | 10.915% |
| 20 | 33.724 | 3115 | 3124 | 3131 | rBV | 289131 | 636929 | 19.53% | 2.951% |
| 21 | 34.642 | 3219 | 3224 | 3234 | rVB | 236349 | 483140 | 14.81% | 2.239% |
| 22 | 35.532 | 3316 | 3321 | 3330 | rBV | 202822 | 423723 | 12.99% | 1.963% |
| 23 | 36.395 | 3410 | 3415 | 3422 | rBV | 121354 | 273801 | 8.39% | 1.269% |
| 24 | 37.267 | 3503 | 3510 | 3515 | rBV2 | 727557 | 2026169 | 62.12% | 9.388% |
| 25 | 37.332 | 3515 | 3517 | 3525 | rVB2 | 86806 | 187731 | 5.76% | 0.870% |
| 26 | 38.406 | 3630 | 3634 | 3640 | rVB | 29957 | 79561 | 2.44% | 0.369% |
| 27 | 39.663 | 3766 | 3771 | 3779 | rVB3 | 21940 | 71737 | 2.20% | 0.332% |

Sum of corrected areas: 21582017

22493.D NP091101.M Wed Sep 26 11:36:30 2001

# LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\SEP2501\22493.D
Operator : 209 GALOS
Acquired : 25 Sep 2001 5:22 pm using AcqMethod NP091101
Instrument : GC/MS 209
Sample Name: GC/MS unknown
Misc Info :
Vial Number: 4
Quant File :NP091101.RES (RTE Integrator)




22493.D NP091101.M Wed Sep 26 11:36:33 2001

# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\SEP2501\22493.D
Acq On : 25 Sep 2001 5:22 pm
Sample : GC/MS unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 4
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

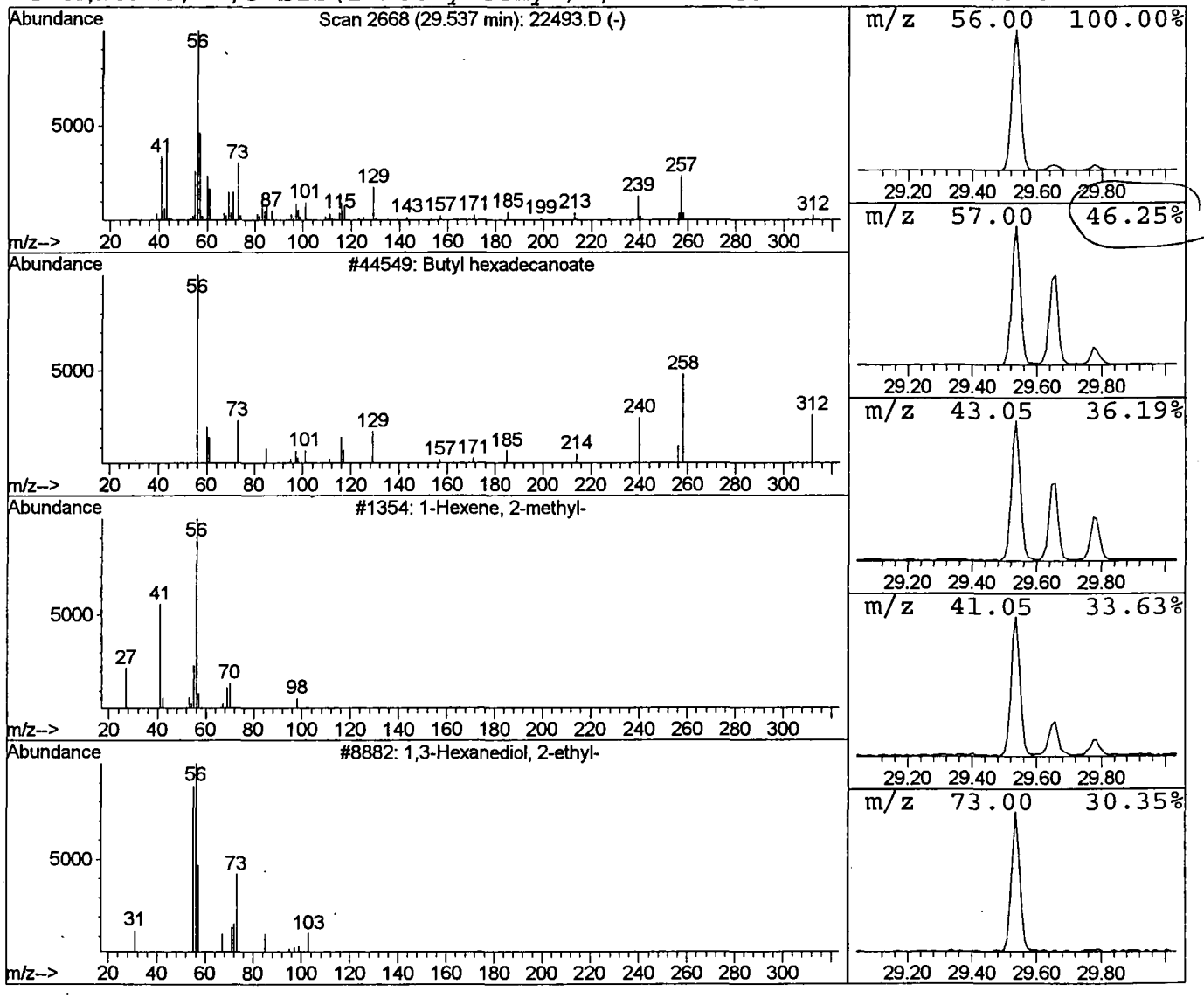
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 1 Butyl hexadecanoate Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 29.54 | 5.16 ug/l | 607762 | Chrysene-d12 | 33.15 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butyl hexadecanoate | 312 | C20H40O2 | 000000-00-0 | 32 |
| 2 | 1-Hexene, 2-methyl- | 98 | C7H14 | 006094-02-6 | 27 |
| 3 | 1,3-Hexanediol, 2-ethyl- | 146 | C8H18O2 | 000094-96-2 | 23 |
| 4 | Oxirane, 2,3-bis(1-methylethyl)-, t | 128 | C8H16O | 054644-32-5 | 23 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\SEP2501\22493.D
Acq On : 25 Sep 2001 5:22 pm
Sample : GC/MS unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 4
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

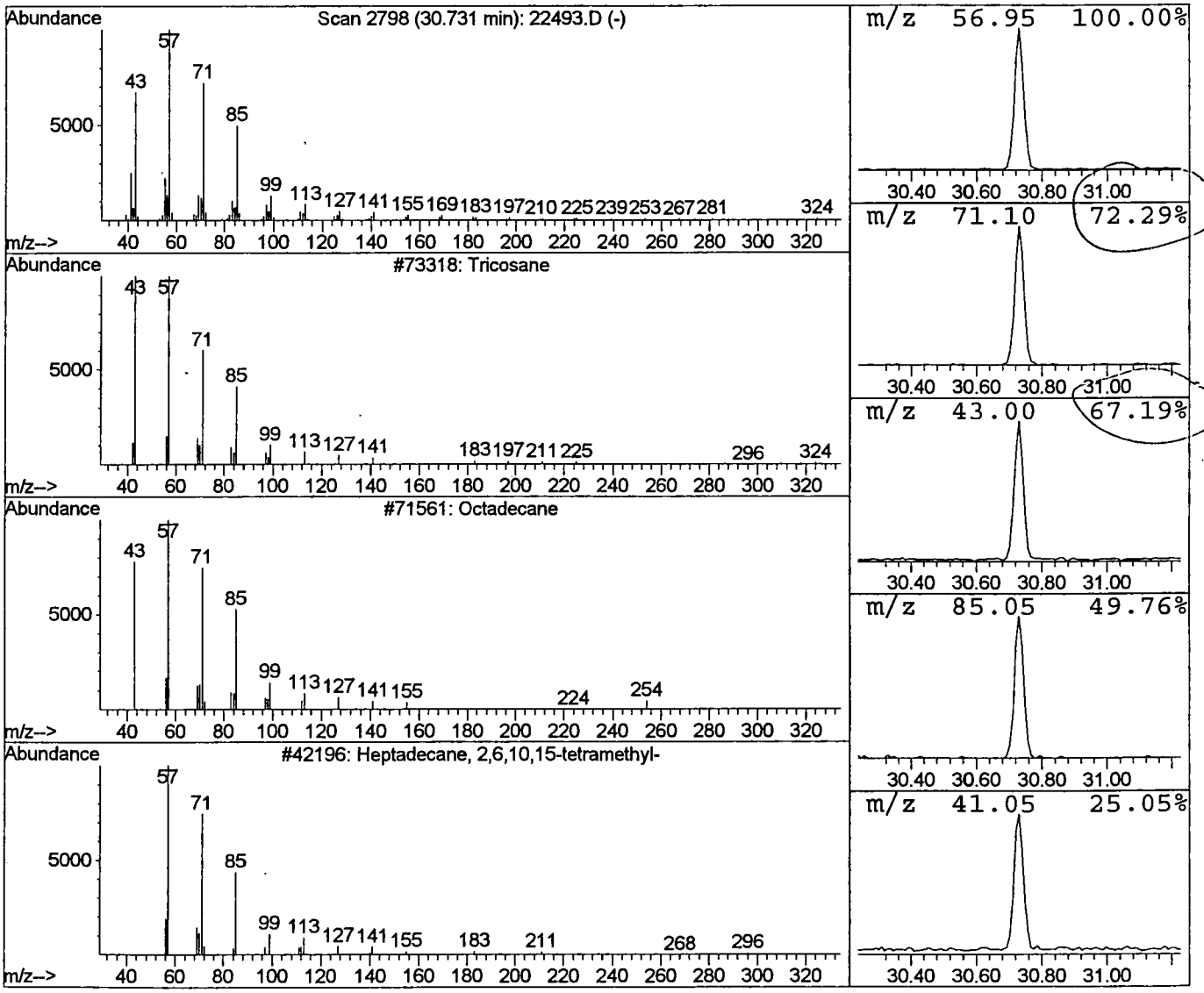
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 2 Tricosane Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 30.73 | 2.21 ug/l | 259924 | Chrysene-d12 | 33.15 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tricosane | 324 | C23H48 | 000638-67-5 | 93 |
| 2 | Octadecane | 254 | C18H38 | 000593-45-3 | 91 |
| 3 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 91 |
| 4 | Tetracosane | 338 | C24H50 | 000646-31-1 | 90 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\SEP2501\22493.D
Acq On : 25 Sep 2001 5:22 pm
Sample : GC/MS unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 4
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

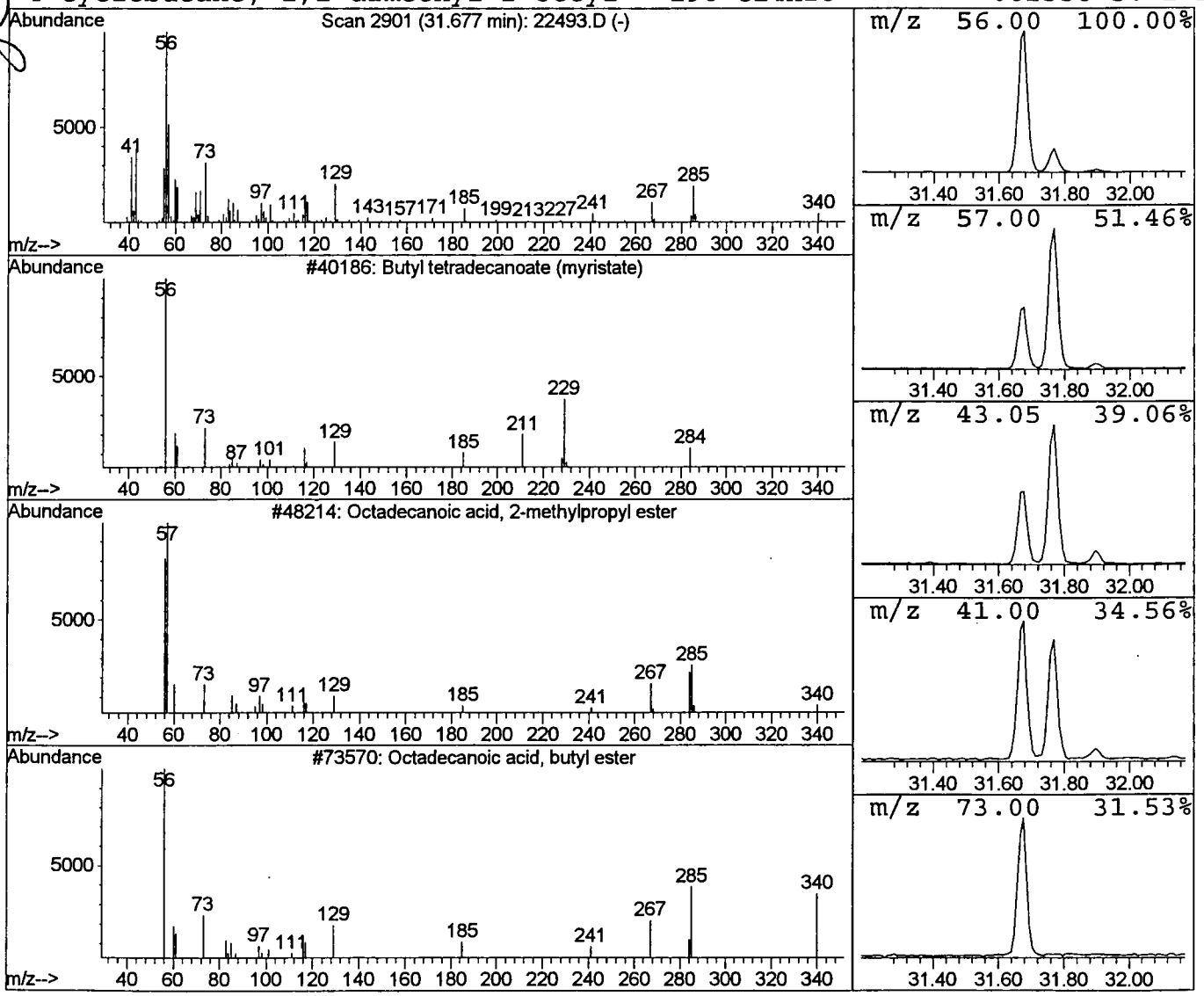
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

**********

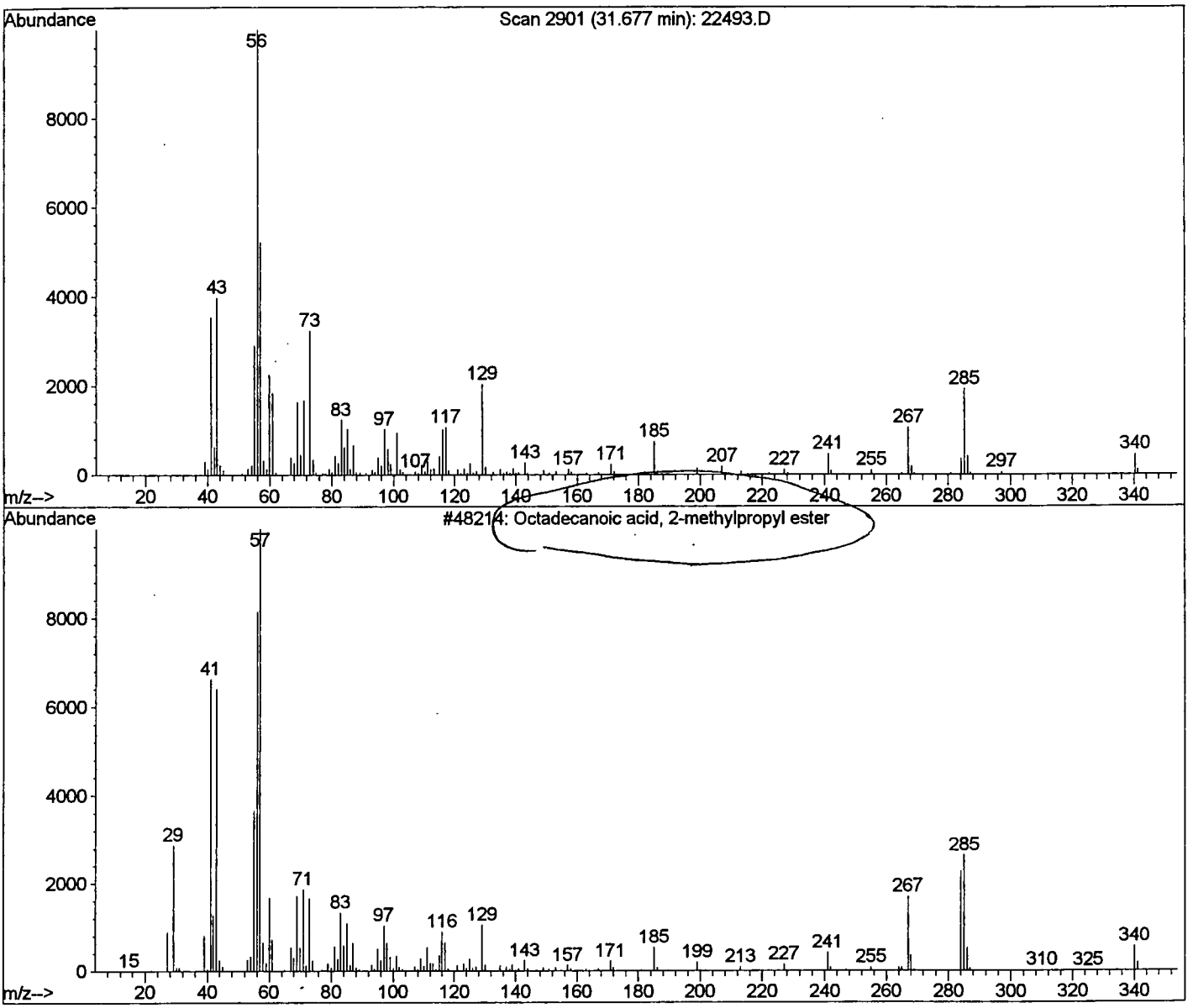
Peak Number 3 Butyl tetradecanoate (myristat Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 31.68 | 4.51 ug/l | 530754 | Chrysene-d12 | 33.15 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butyl tetradecanoate (myristate) | 284 | C18H36O2 | 000000-00-0 | 64 |
| 2 | Octadecanoic acid, 2-methylpropyl e | 340 | C22H44O2 | 000646-13-9 | 64 |
| 3 | Octadecanoic acid, butyl ester | 340 | C22H44O2 | 000123-95-5 | 45 |
| 4 | Cyclobutane, 1,1-dimethyl-2-octyl- | 196 | C14H28 | 062338-30-1 | 27 |



Library Searched : C:\DATABASE\nbs75k.l
Quality : 87
ID : Octadecanoic acid, 2-methylpropyl ester



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\SEP2501\22493.D  Vial: 4
Acq On : 25 Sep 2001 5:22 pm  Operator: 209 GALOS
Sample : GC/MS unknown  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

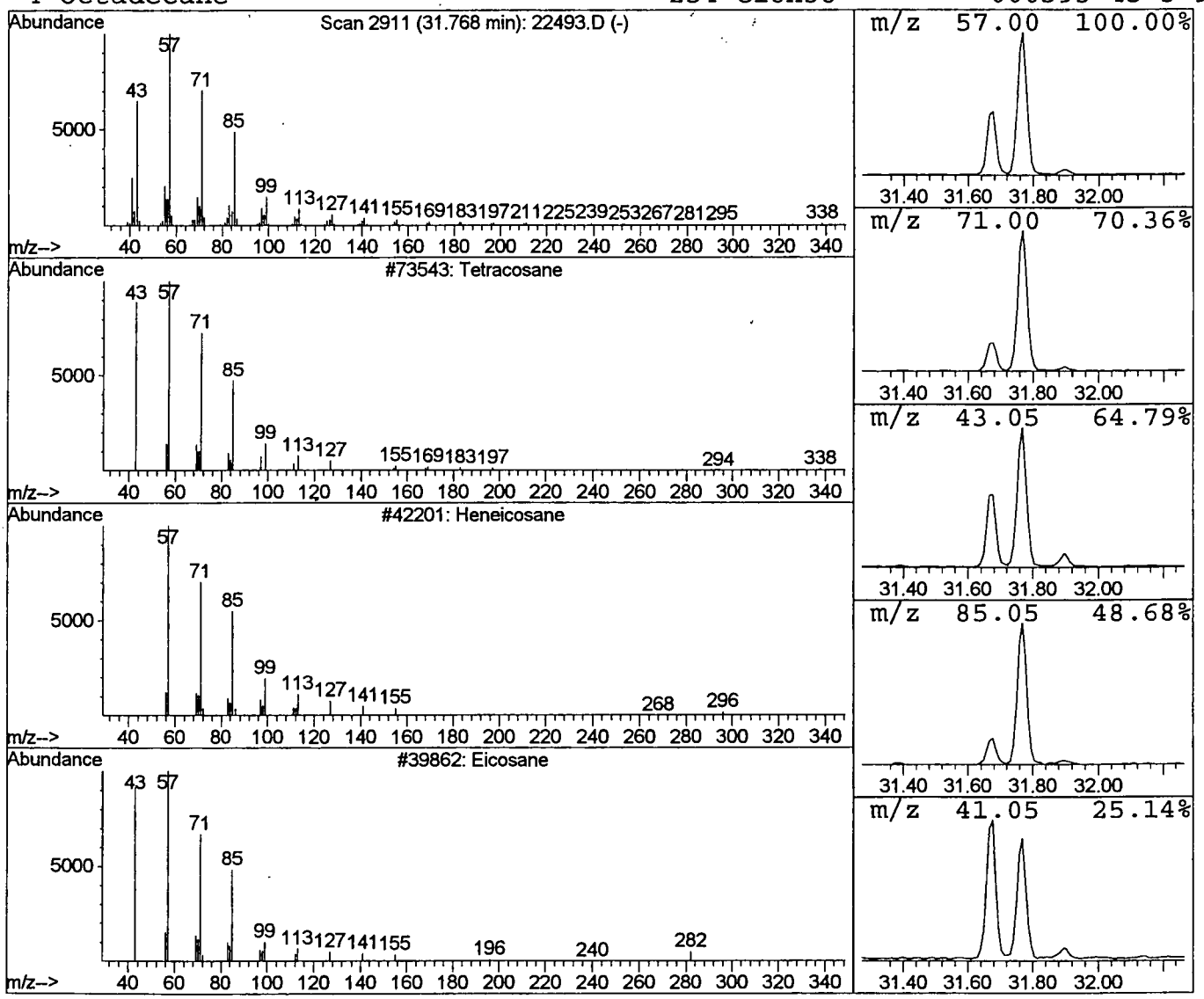
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 4 Tetracosane  Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 31.77 | 4.35 ug/l | 512328 | Chrysene-d12 | 33.15 |

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



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\SEP2501\22493.D
Acq On : 25 Sep 2001 5:22 pm
Sample : GC/MS unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 4
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

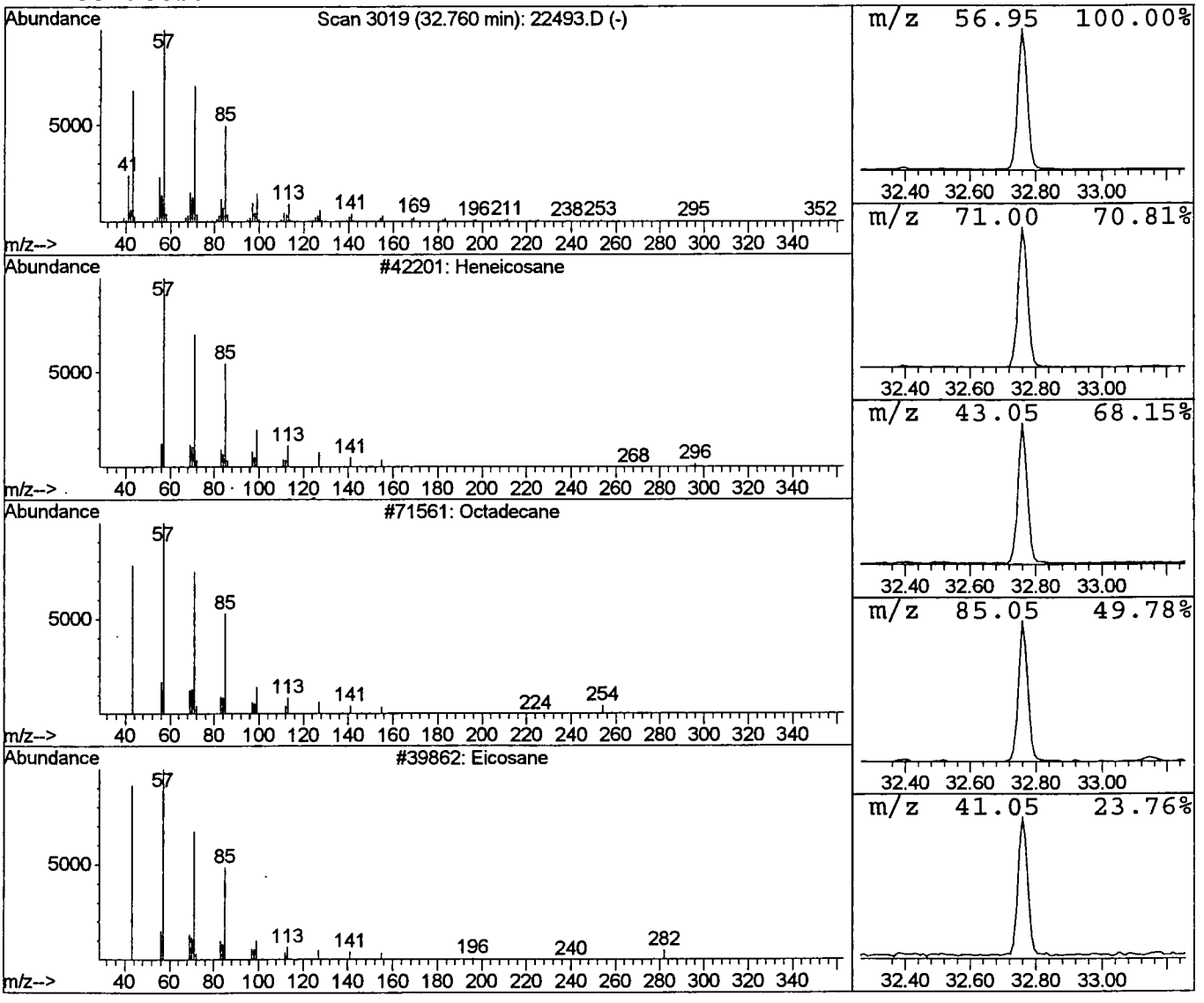
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 5 Heneicosane — Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 32.76 | 4.59 ug/l | 540730 | Chrysene-d12 | 33.15 |

| 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 | Eicosane | 282 | C20H42 | 000112-95-8 | 91 |
| 4 | Tetracosane | 338 | C24H50 | 000646-31-1 | 90 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\SEP2501\22493.D
Acq On : 25 Sep 2001 5:22 pm
Sample : GC/MS unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 4
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

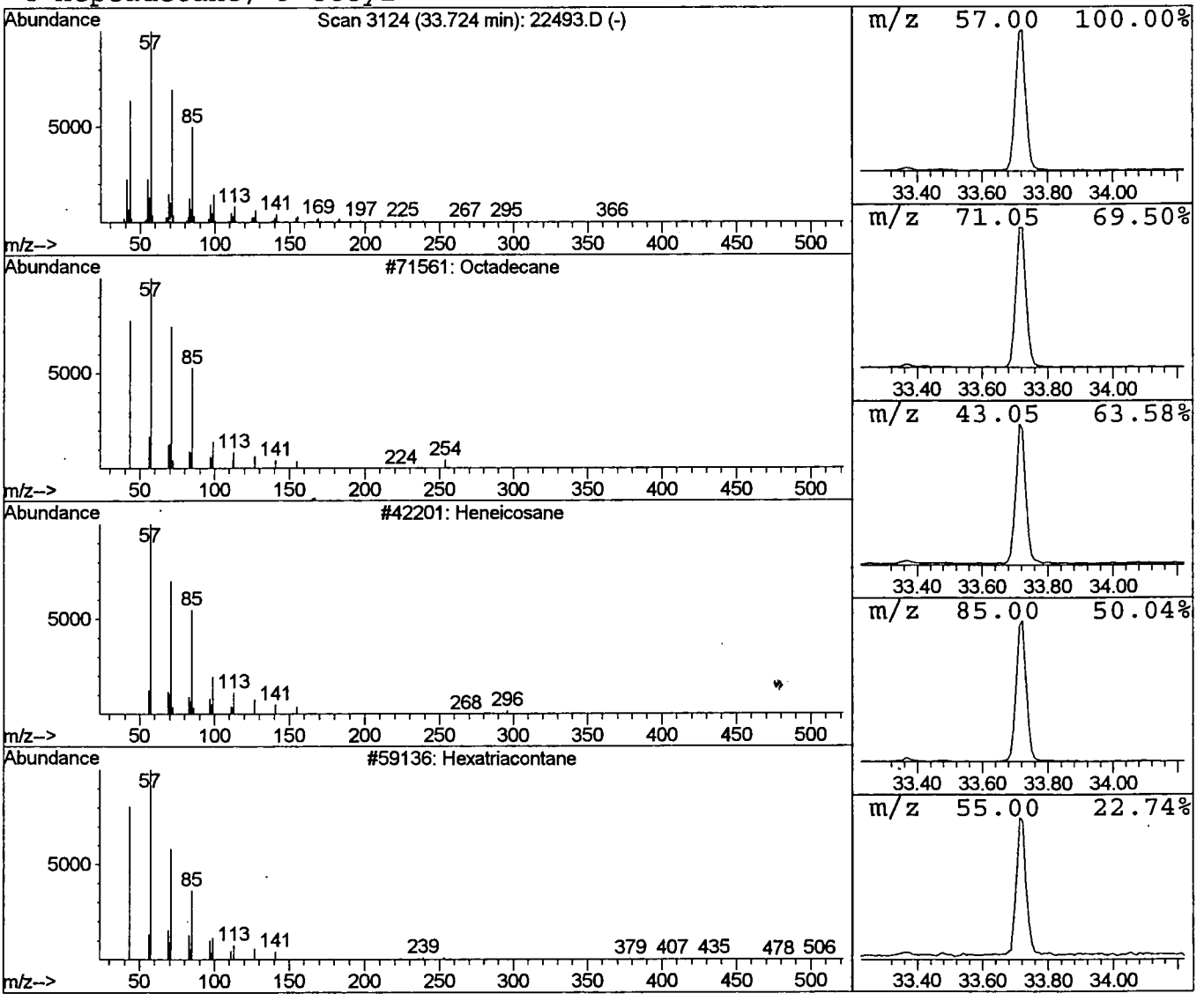
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 6 Octadecane — Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 33.72 | 5.41 ug/l | 636929 | Chrysene-d12 | 33.15 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecane | 254 | C18H38 | 000593-45-3 | 91 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 3 | Hexatriacontane | 507 | C36H74 | 000630-06-8 | 91 |
| 4 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 91 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\SEP2501\22493.D
Acq On : 25 Sep 2001 5:22 pm
Sample : GC/MS unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 4
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

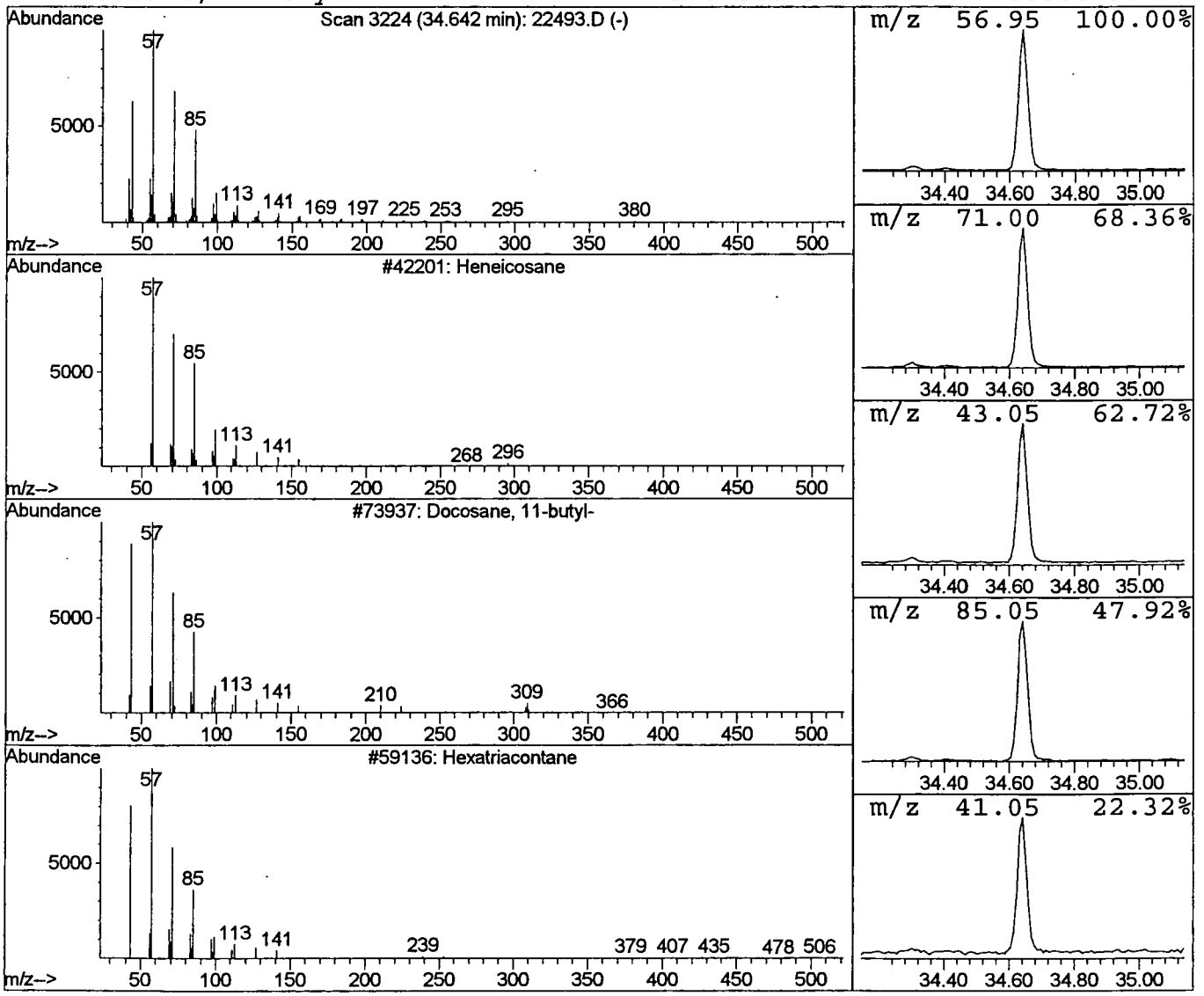
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 7 Heneicosane Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 34.64 | 4.10 ug/l | 483140 | Chrysene-d12 | 33.15 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 2 | Docosane, 11-butyl- | 366 | C26H54 | 013475-76-8 | 91 |
| 3 | Hexatriacontane | 507 | C36H74 | 000630-06-8 | 91 |
| 4 | Eicosane, 7-hexyl- | 366 | C26H54 | 055333-99-8 | 91 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\SEP2501\22493.D  Vial: 4
Acq On : 25 Sep 2001 5:22 pm  Operator: 209 GALOS
Sample : GC/MS unknown  Inst : GC/MS 209
Misc :  Multiplr: 1.00
MS Integration Params: LSCINT.P

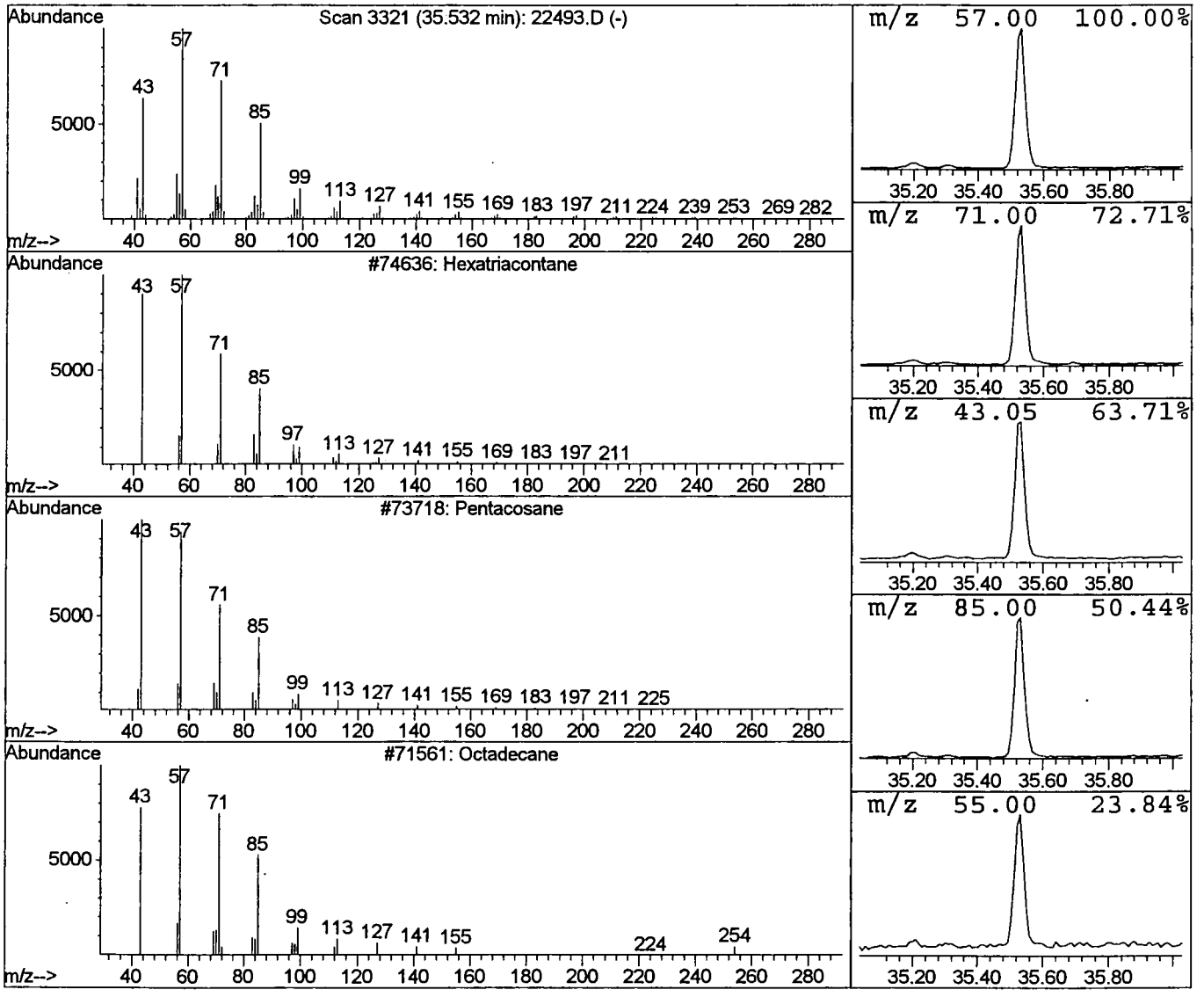
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

**********

Peak Number 8 Hexatriacontane  Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 35.53 | 4.18 ug/l | 423723 | Perylene-d12 | 37.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexatriacontane | 507 | C36H74 | 000630-06-8 | 94 |
| 2 | Pentacosane | 352 | C25H52 | 000629-99-2 | 91 |
| 3 | Octadecane | 254 | C18H38 | 000593-45-3 | 91 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |



# Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\SEP2501\22493.D
Acq On : 25 Sep 2001 5:22 pm
Sample : GC/MS unknown
Misc :
MS Integration Params: LSCINT.P

Vial: 4
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

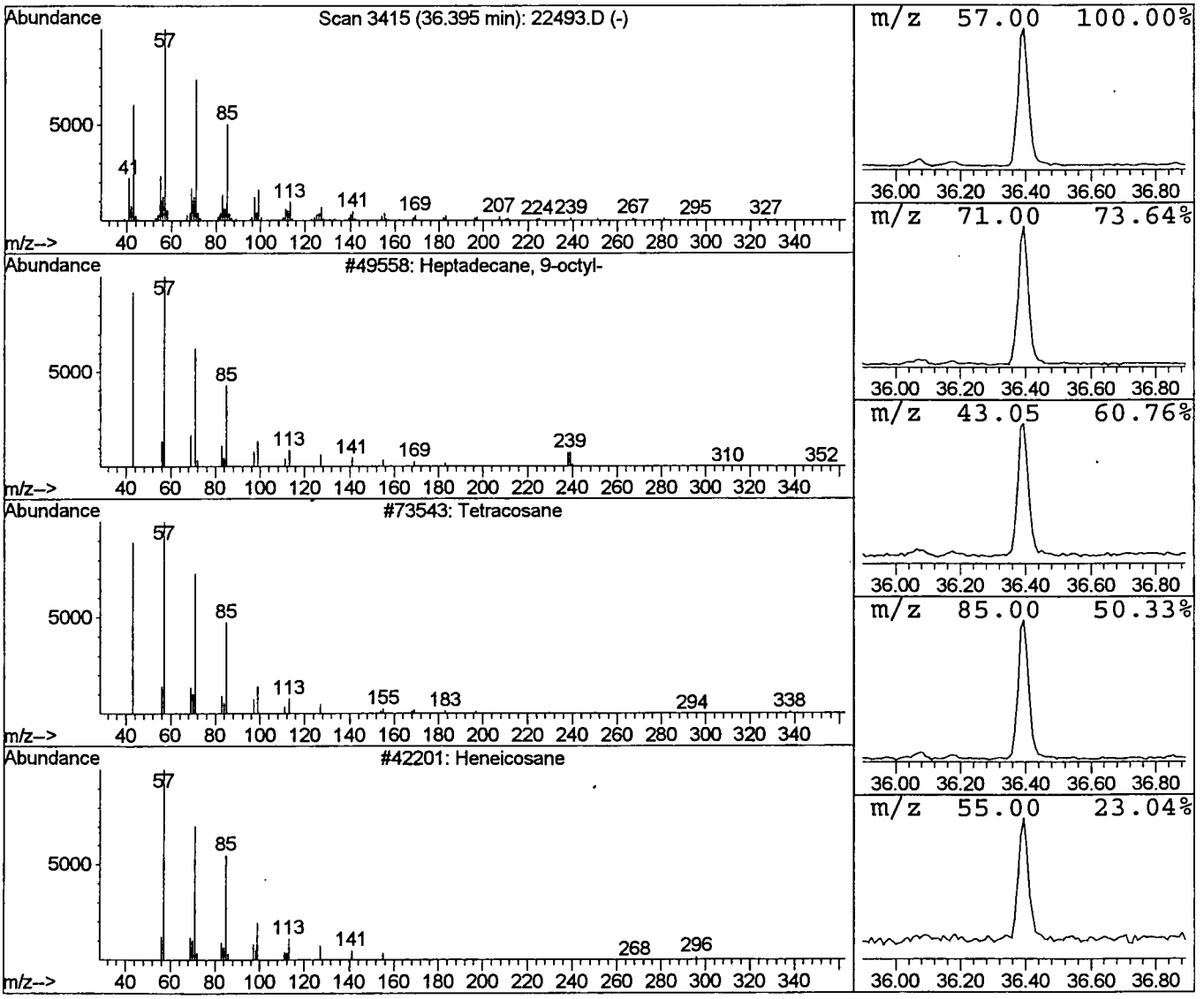
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

**********

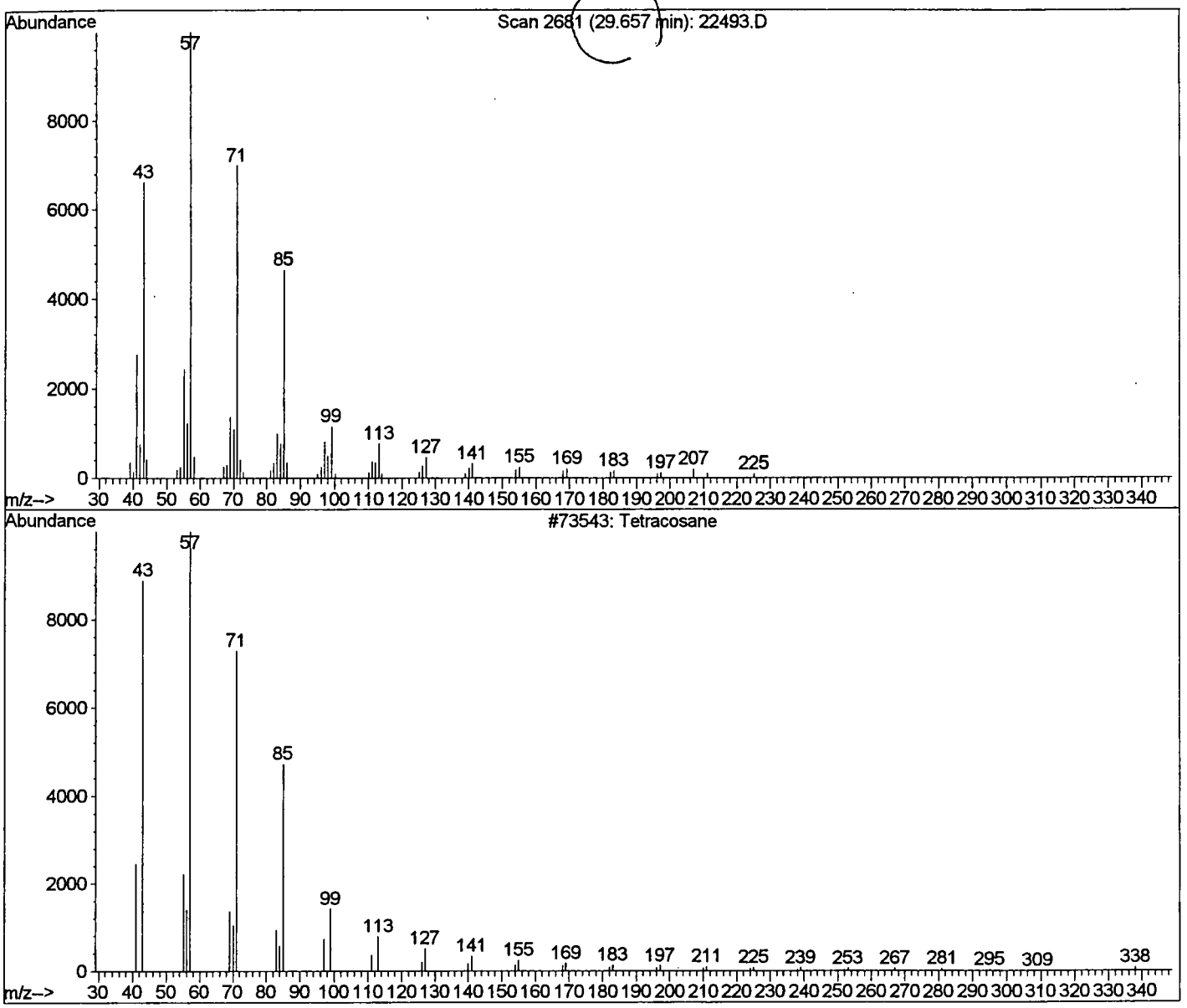
Peak Number 9 Heptadecane, 9-octyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 36.40 | 2.70 ug/l | 273801 | Perylene-d12 | 37.27 |

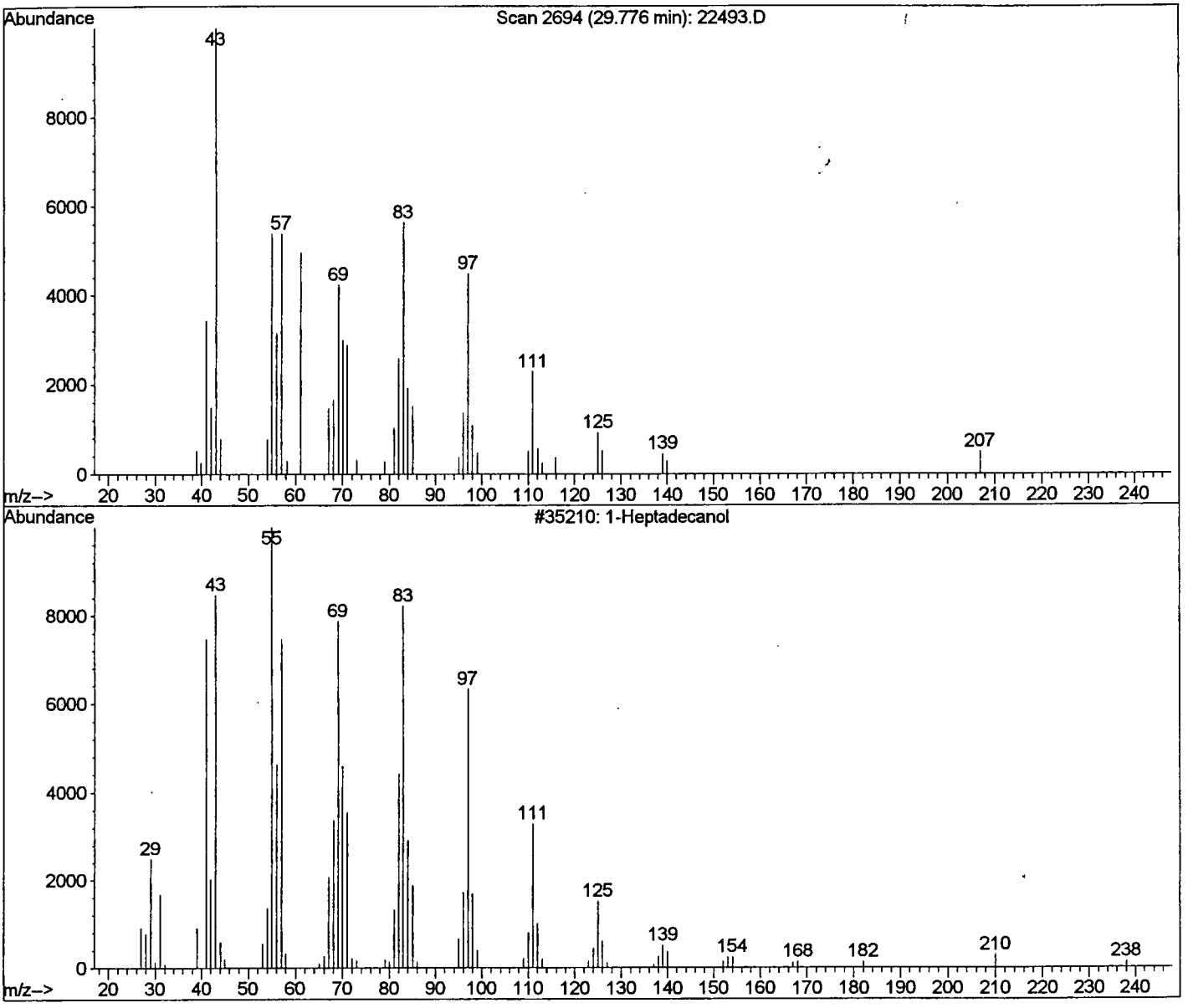
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 91 |
| 2 | Tetracosane | 338 | C24H50 | 000646-31-1 | 91 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 4 | Pentacosane | 352 | C25H52 | 000629-99-2 | 91 |



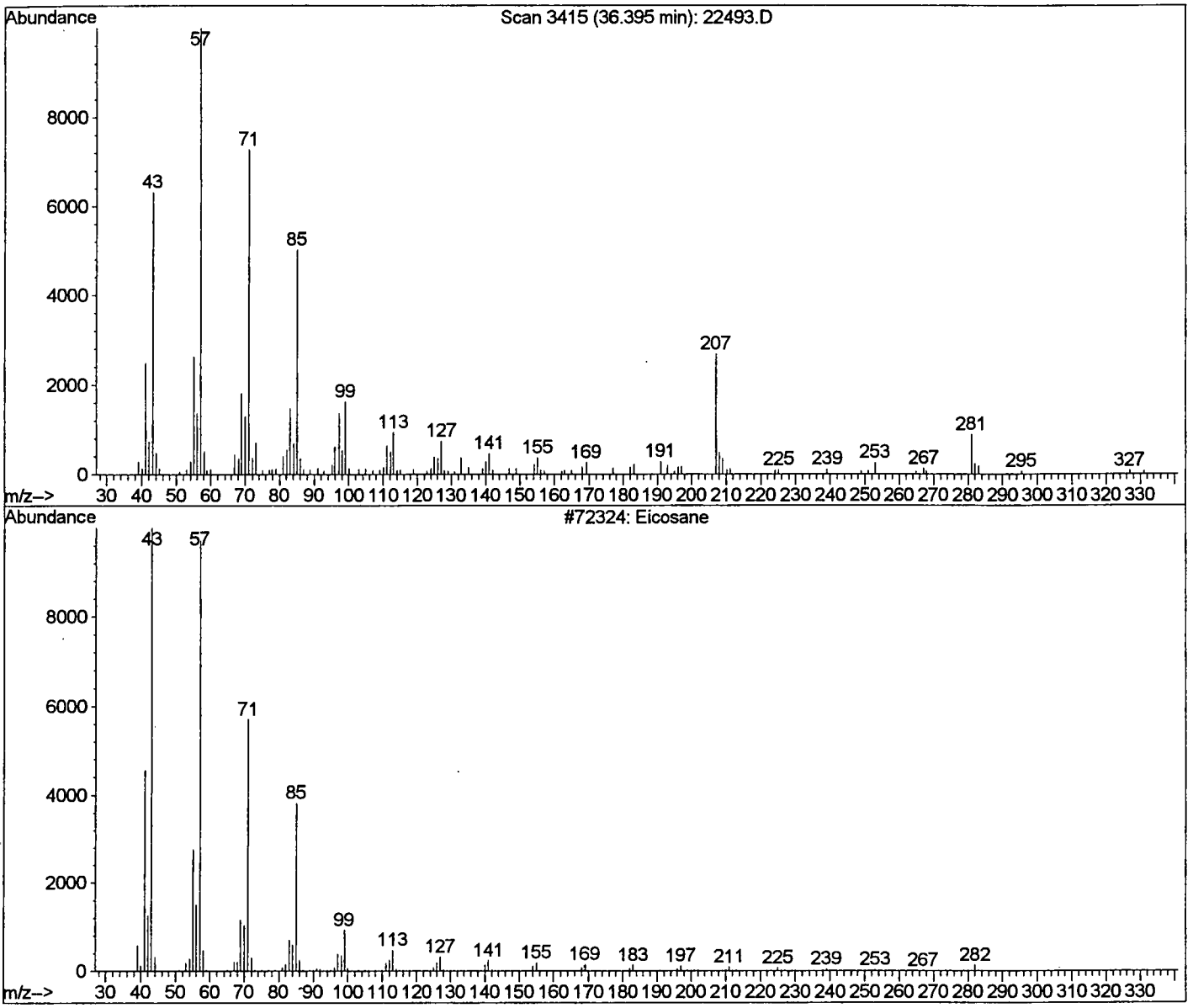
Library Searched : C:\DATABASE\nbs75k.l
Quality : 91
ID : Tetracosane



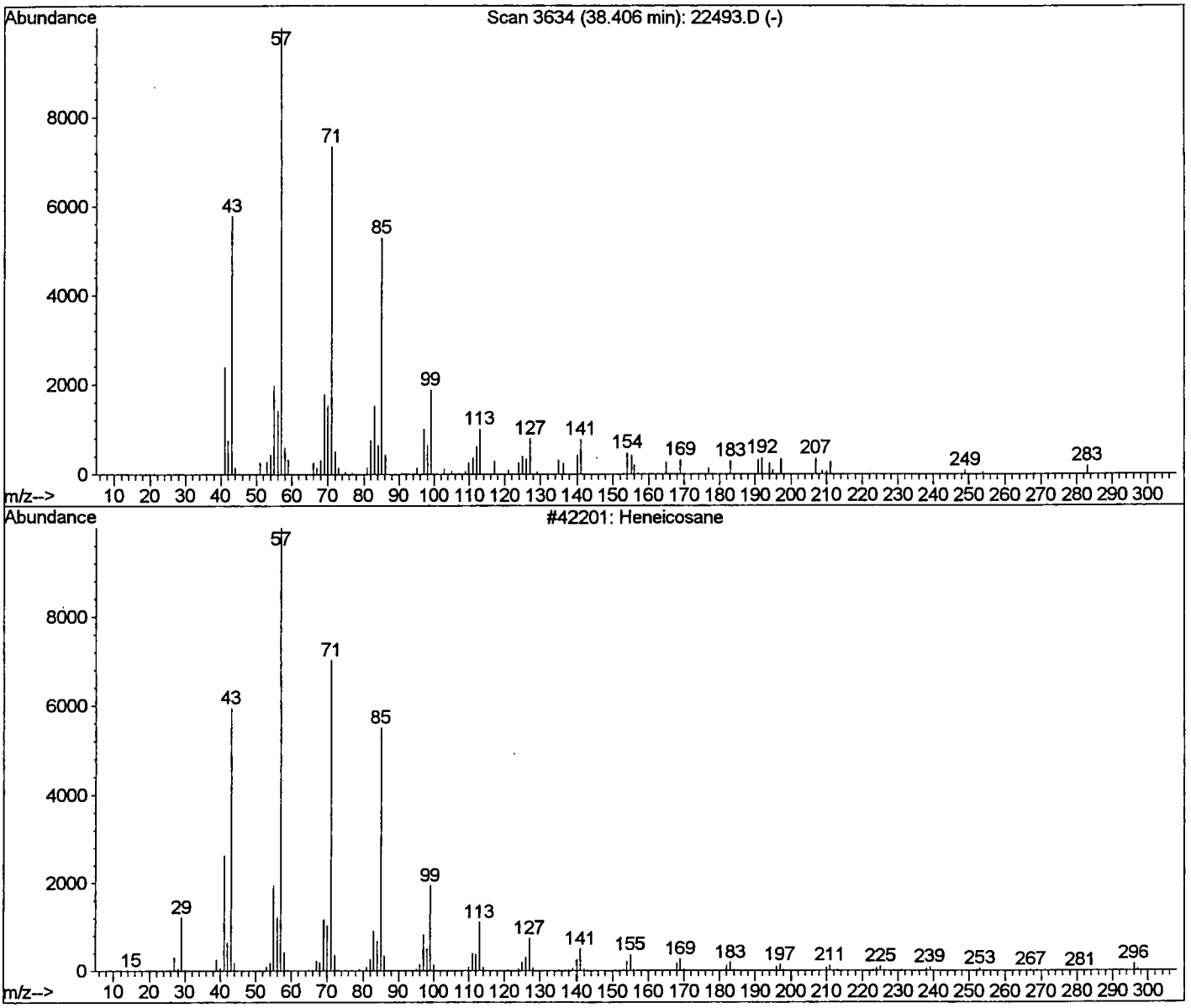
Library Searched : C:\DATABASE\nbs75k.l
Quality : 81
ID : 1-Heptadecanol



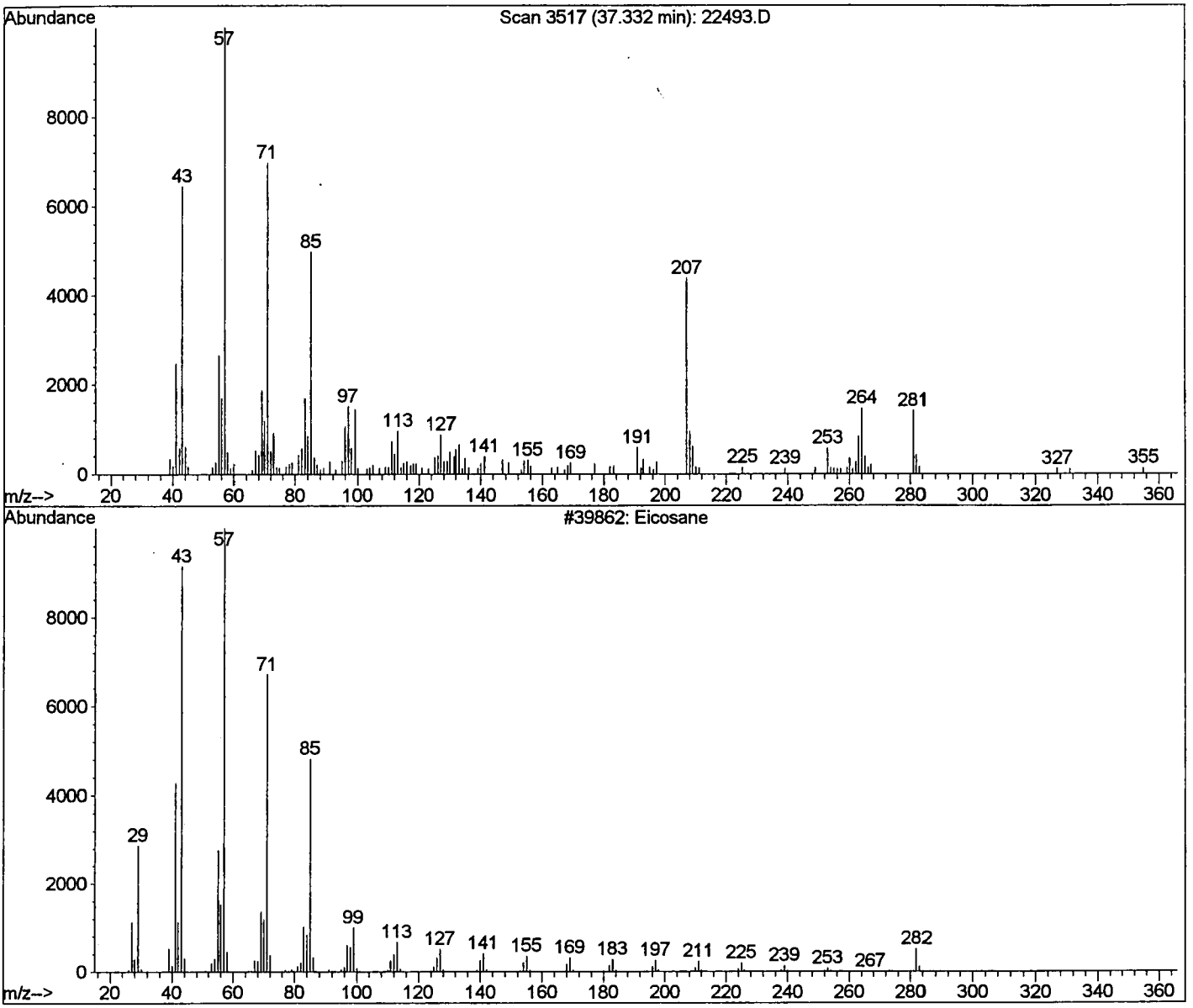
Library Searched : C:\DATABASE\nbs75k.l
Quality : 93
ID : Eicosane



Library Searched : C:\DATABASE\nbs75k.l
Quality : 90
ID : Heneicosane



Library Searched : C:\DATABASE\nbs75k.l
Quality : 95
ID : Eicosane



# Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 25 Sep 2001 5:22 pm
Data File: C:\HPCHEM\1\DATA\SEP2501\22493.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 |
|---|---|---|---|---|---|---|---|---|
| Butyl hexadecanoate | 29.54 | 5.2 | ug/l | 607762 | ISTD05 | 33.15 | 2355650 | 20.0 |
| Tricosane | 30.73 | 2.2 | ug/l | 259924 | ISTD05 | 33.15 | 2355650 | 20.0 |
| Butyl tetradecanoate | 31.68 | 4.5 | ug/l | 530754 | ISTD05 | 33.15 | 2355650 | 20.0 |
| Tetracosane | 31.77 | 4.3 | ug/l | 512328 | ISTD05 | 33.15 | 2355650 | 20.0 |
| Heneicosane | 32.76 | 4.6 | ug/l | 540730 | ISTD05 | 33.15 | 2355650 | 20.0 |
| Octadecane | 33.72 | 5.4 | ug/l | 636929 | ISTD05 | 33.15 | 2355650 | 20.0 |
| Heneicosane | 34.64 | 4.1 | ug/l | 483140 | ISTD05 | 33.15 | 2355650 | 20.0 |
| Hexatriacontane | 35.53 | 4.2 | ug/l | 423723 | ISTD06 | 37.27 | 2026170 | 20.0 |
| Heptadecane, 9-octyl | 36.40 | 2.7 | ug/l | 273801 | ISTD06 | 37.27 | 2026170 | 20.0 |

22493.D NP091101.M Wed Sep 26 11:36:54 2001

File : C:\HPCHEM\1\DATA\SEP2501\22493.D
Operator : 209 GALOS
Acquired : 25 Sep 2001 5:22 pm using AcqMethod NP091101
Instrument : GC/MS 209
Sample Name: GC/MS unknown
Misc Info :
Vial Number: 4