User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 10/12/2001 Time: 09:23:13

Sample: AD23261
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 10/12/01 09:22 Ended: 10/12/01 09:22 Analyst: MG
Page: 1

	Component Name	Viol	Result
1	Other unknown compounds		see comment

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\OCT0901\23261.D Vial: 7
Acq On : 9 Oct 2001 7:13 pm Operator: 209 GALOS
Sample : g c/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 10 15:06 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	11.76	152	739364	20.00	ug/l	-0.14
19) Naphthalene-d8	15.38	136	2951948	20.00	ug/l	-0.14
31) Acenaphthene-d10	20.67	164	1387381	20.00	ug/l	-0.14
49) Phenanthrene-d10	25.09	188	1941500	20.00	ug/l	-0.14
59) Chrysene-d12	33.13	240	1189875	20.00	ug/l	-0.15
68) Perylene-d12	37.24	264	777841	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	11.76	132	350	0.01	ug/l	0.35
Spiked Amount 75.000			Recovery =	0.01%		
7) 1,2-Dichlorobenzene-d4	12.28	152	8167	0.23	ug/l	-0.15
Spiked Amount 50.000			Recovery =	0.46%		
20) Nitrobenzene-d5	0.00	82	0	0.00	ug/l	
Spiked Amount 50.000			Recovery =	0.00%		
32) 2-Fluorobiphenyl	18.81	172	3103	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	12.24	108	3737	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	12.99	77	551	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\OCT0901\23261.D Vial: 7
Acq On : 9 Oct 2001 7:13 pm Operator: 209 GALOS
Sample : g c/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 10 15:06 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	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	21.02	165	101	N.D.	
45)	Diethylphthalate	22.17	149	379	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	25.09	178	641	N.D.	
56)	Anthracene	25.09	178	641	N.D.	
57)	Di-n-butylphthalate	27.09	149	4870	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	31.58	149	293	N.D.	
65)	Benzo(a)anthracene	33.13	228	2894	N.D.	
66)	Bis(2-ethylhexyl)phthalate	33.38	149	15347	N.D.	
67)	Chrysene	33.13	228	2894	N.D.	
69)	Di-n-Octylphthalate	35.13	149	870	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\OCT0901\23261.D Vial: 7
Acq On : 9 Oct 2001 7:13 pm Operator: 209 GALOS
Sample : g c/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 10 15:06 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

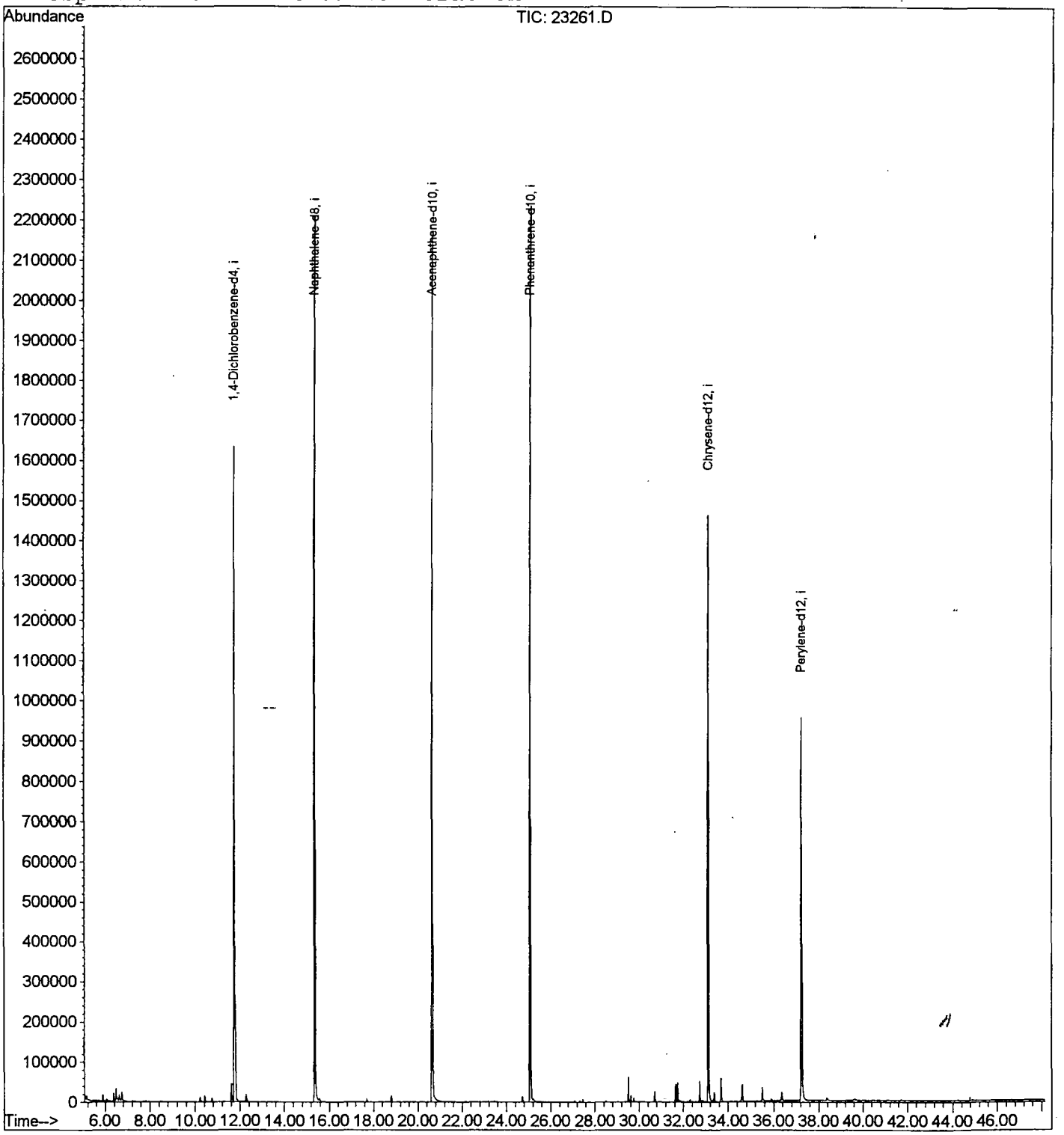
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	Benzo(k)fluoranthene	0.00	252	0	N.D.	
72)	Benzo(a)pyrene	37.25	252	2812	N.D.	
73)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
74)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
75)	Benzo(g,h,i)perylene	0.00	276	0	N.D.	

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\OCT0901\23261.D Vial: 7
Acq On : 9 Oct 2001 7:13 pm Operator: 209 GALOS
Sample : g c/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 10 15:06 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\OCT0901\23261.D Vial: 7
Acq On : 9 Oct 2001 7:13 pm Operator: 209 GALOS
Sample : g c/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

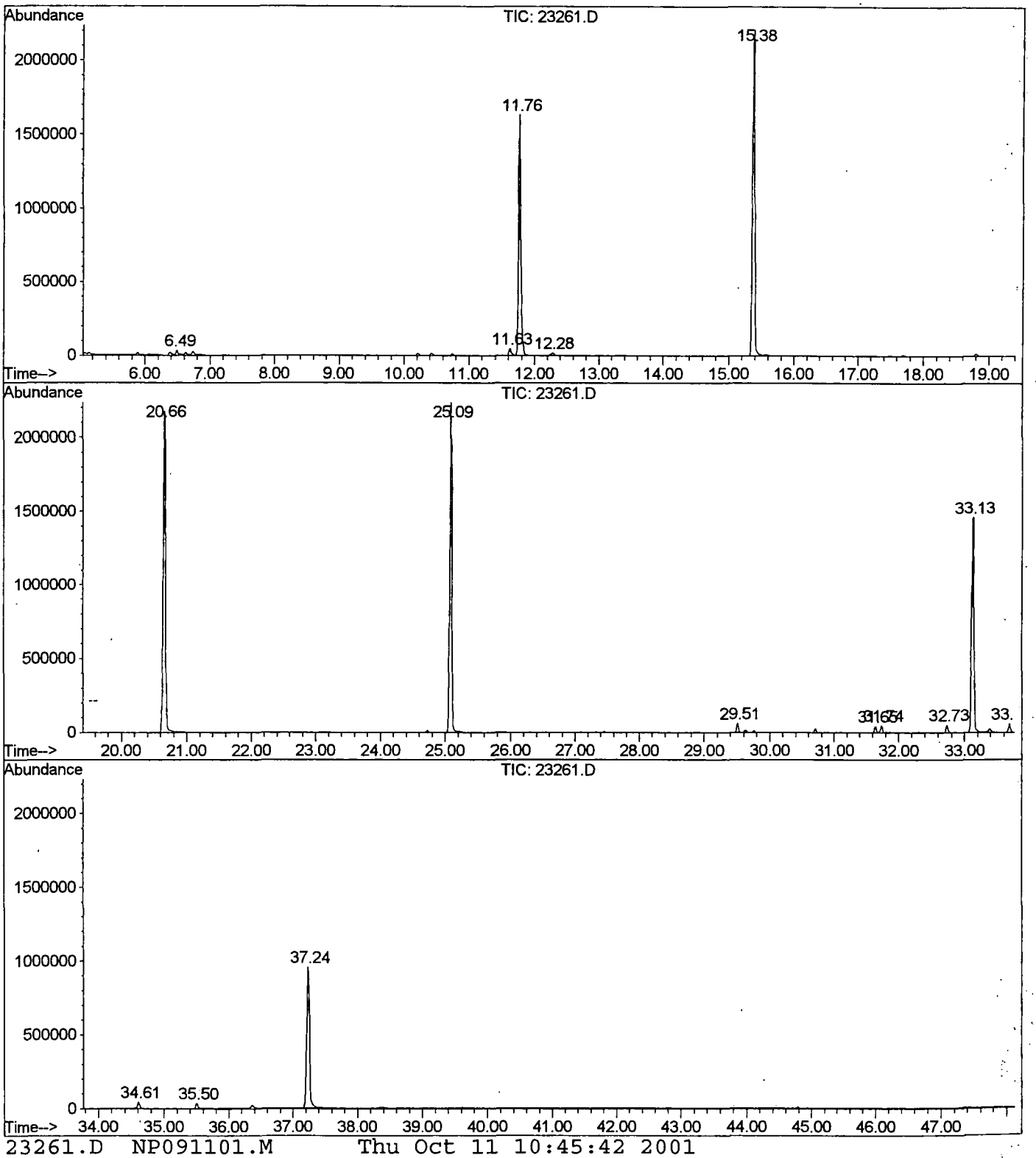
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	6.486	154	157	168	rVV	30720	76865	1.39%	0.281%
2	11.627	712	717	726	rVB	44952	106279	1.92%	0.388%
3	11.764	726	732	754	rBV	1632803	3861924	69.82%	14.099%
4	12.278	780	788	798	rVB4	18030	57851	1.05%	0.211%
5	15.381	1118	1126	1143	rBV	2206530	5410684	97.83%	19.753%
6	20.660	1693	1701	1715	rBV	2172720	5530930	100.00%	20.192%
7	25.094	2175	2184	2195	rBV2	2234100	5031433	90.97%	18.369%
8	29.510	2660	2665	2672	rBV2	61625	114450	2.07%	0.418%
9	31.649	2892	2898	2903	rBV	43093	86482	1.56%	0.316%
10	31.741	2903	2908	2913	rBV	47863	96067	1.74%	0.351%
11	32.732	3010	3016	3023	rBV	51660	103867	1.88%	0.379%
12	33.127	3051	3059	3077	rBV2	1462531	3712176	67.12%	13.552%
13	33.687	3113	3120	3127	rBV	56381	119167	2.15%	0.435%
14	34.614	3216	3221	3229	rVB	42924	95077	1.72%	0.347%
15	35.505	3313	3318	3323	rBV	34748	77026	1.39%	0.281%
16	37.240	3497	3507	3526	rBV2	953598	2910864	52.63%	10.627%

Sum of corrected areas: 27391142

23261.D NP091101.M Thu Oct 11 10:45:39 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\OCT0901\23261.D
Operator : 209 GALOS
Acquired : 9 Oct 2001 7:13 pm using AcqMethod NP091101
Instrument : GC/MS 209
Sample Name: g c/ms unknown
Misc Info :
Vial Number: 7
Quant File :NP091101.RES (RTE Integrator)



23261.D NP091101.M Thu Oct 11 10:45:42 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT0901\23261.D
Acq On : 9 Oct 2001 7:13 pm
Sample : g c/ms unknown
Misc :
MS Integration Params: LSCINT.P

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

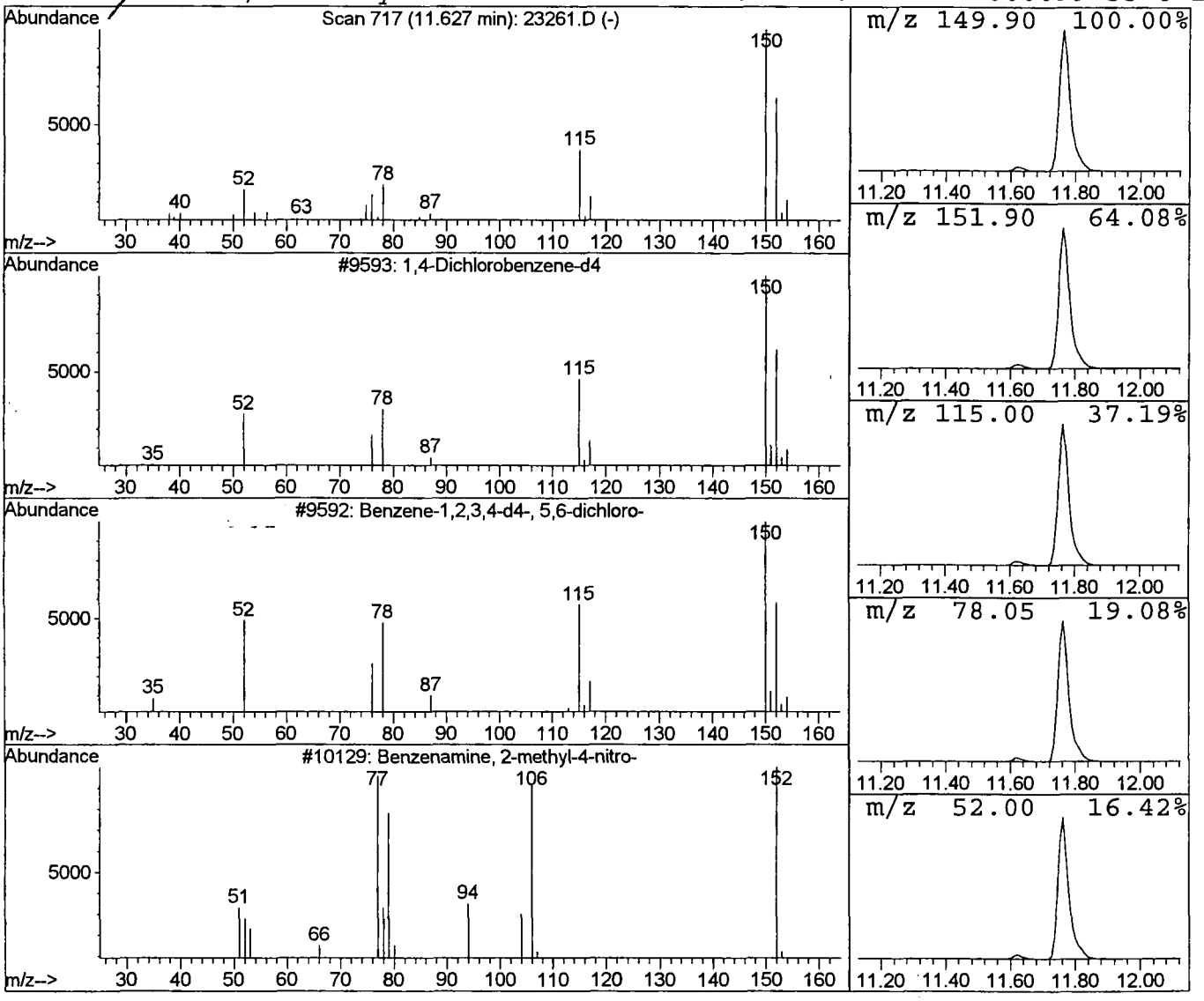
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.63	0.55 ug/l	106279	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	53
2	Benzene-1,2,3,4-d4-, 5,6-dichloro-	150	C6Cl2D4	002199-69-1	37
3	Benzenamine, 2-methyl-4-nitro-	152	C7H8N2O2	000099-52-5	22
4	Benzenamine, 2-methyl-5-nitro-	152	C7H8N2O2	000099-55-8	22



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT0901\23261.D
Acq On : 9 Oct 2001 7:13 pm
Sample : g c/ms unknown
Misc :
MS Integration Params: LSCINT.P

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

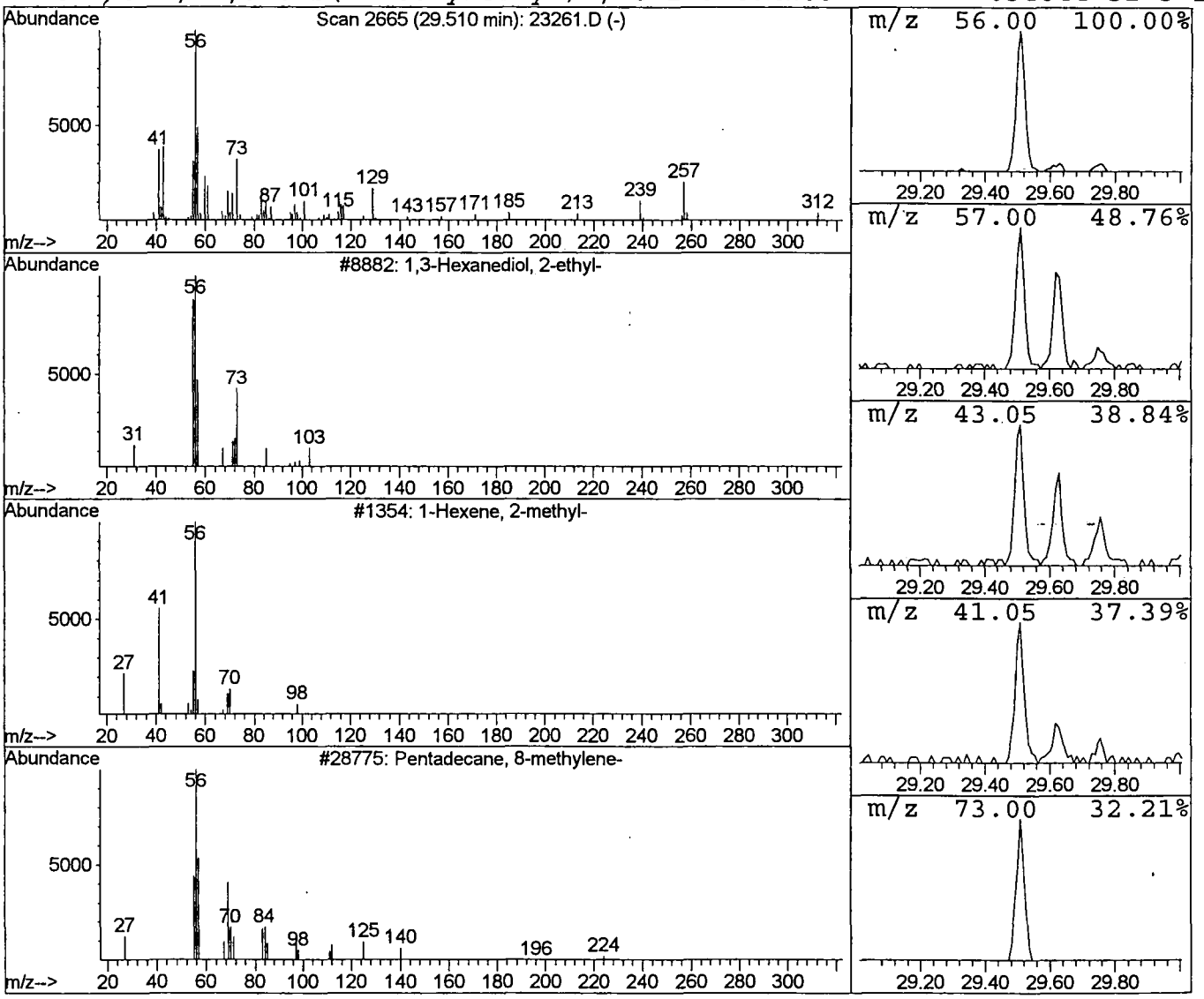
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 1,3-Hexanediol, 2-ethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.51	0.62 ug/l	114450	Chrysene-d12	33.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Hexanediol, 2-ethyl-	146	C8H18O2	000094-96-2	37
2	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	27
3	Pentadecane, 8-methylene-	224	C16H32	055668-09-2	25
4	Oxirane, 2,3-bis(1-methylethyl)-, t	128	C8H16O	054644-32-5	23



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT0901\23261.D
Acq On : 9 Oct 2001 7:13 pm
Sample : g c/ms unknown
Misc :
MS Integration Params: LSCINT.P

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

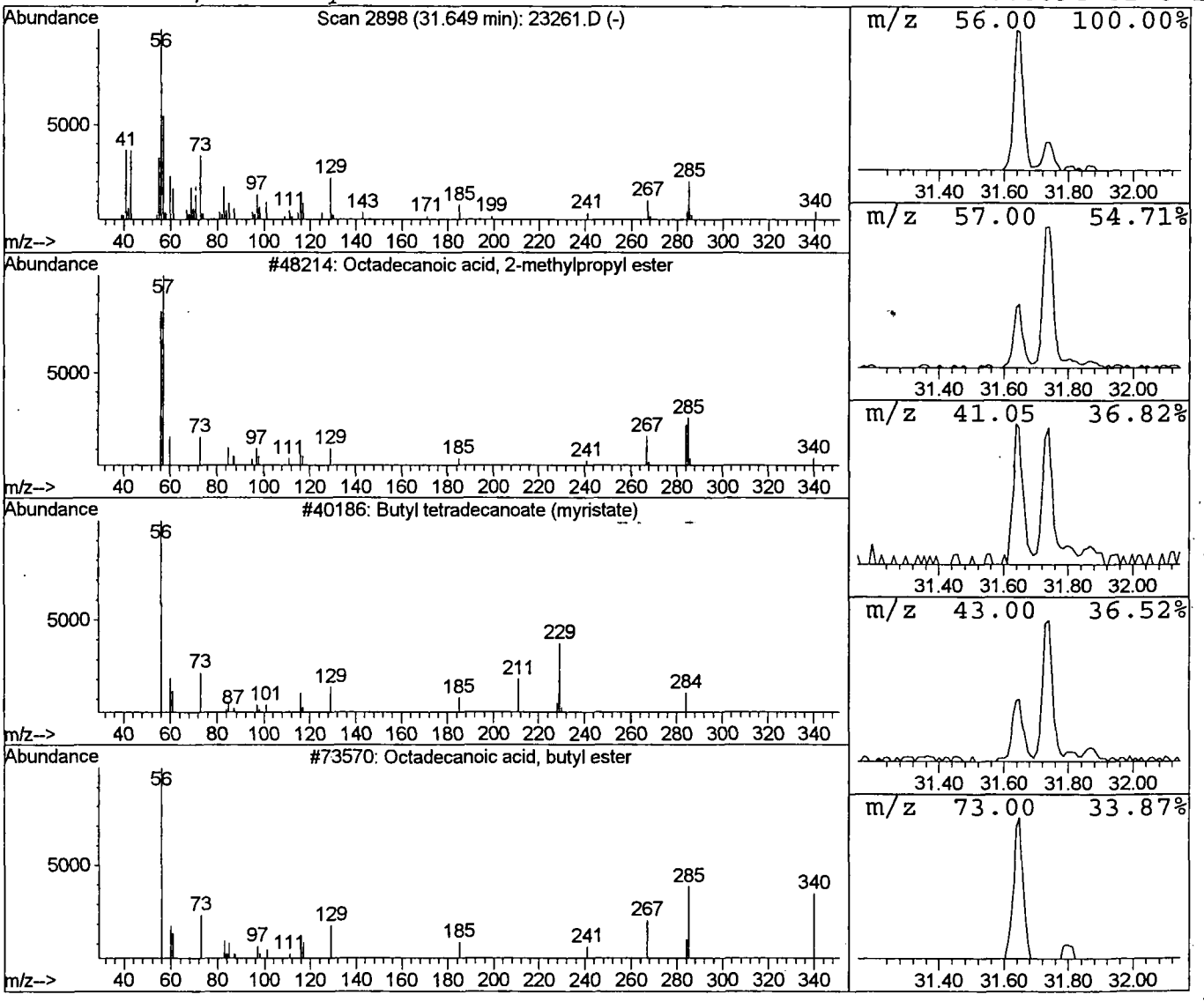
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 Octadecanoic acid, 2-methylpro Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.65	0.47 ug/l	86482	Chrysene-d12	33.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid, 2-methylpropyl e	340	C22H44O2	000646-13-9	70
2	Butyl tetradecanoate (myristate)	284	C18H36O2	000000-00-0	64
3	Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	33
4	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	27



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT0901\23261.D
Acq On : 9 Oct 2001 7:13 pm
Sample : g c/ms unknown
Misc :
MS Integration Params: LSCINT.P

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

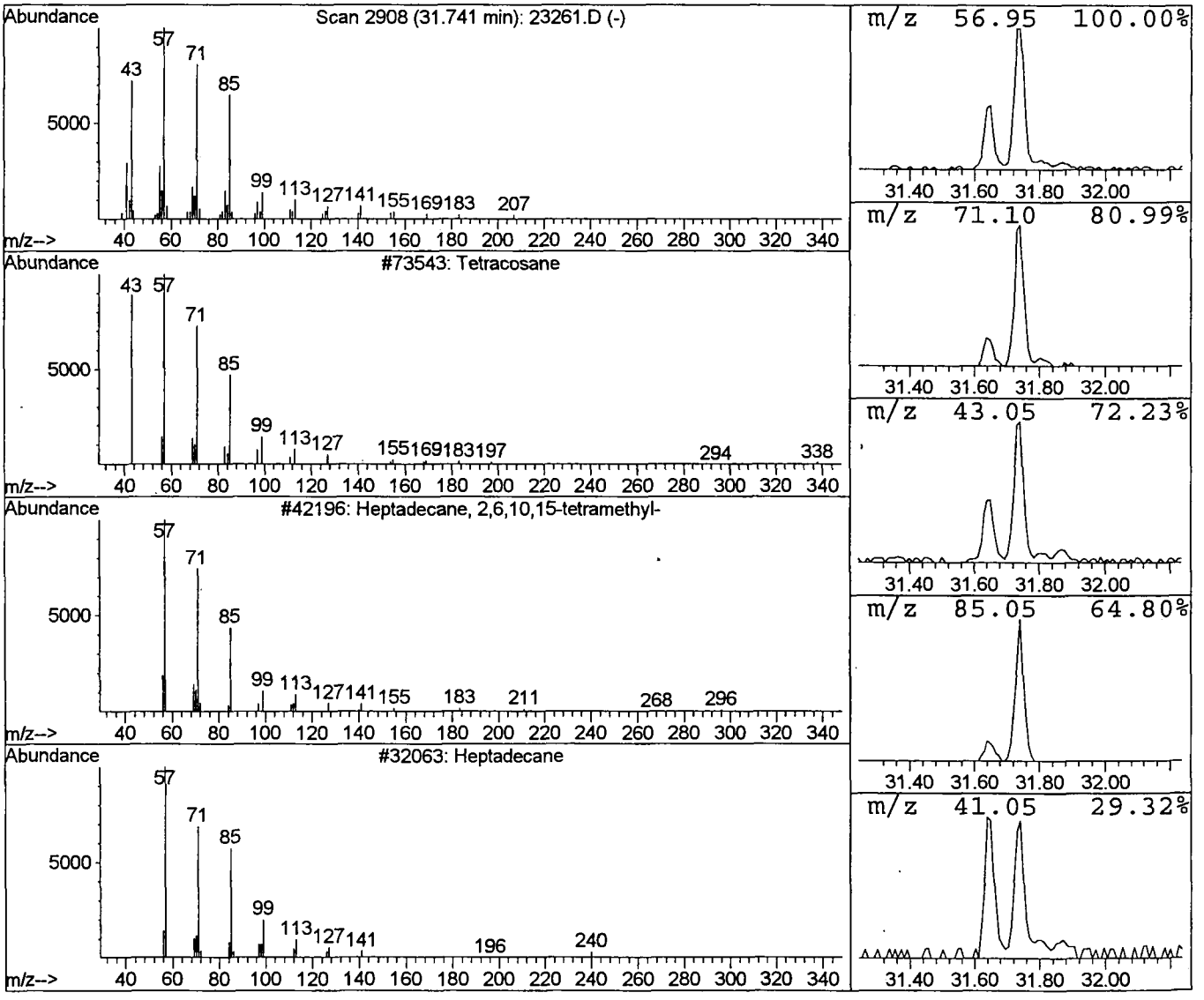
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 Tetracosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.74	0.52 ug/l	96067	Chrysene-d12	33.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	91
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	87
3	Heptadecane	240	C17H36	000629-78-7	86
4	Nonadecane	268	C19H40	000629-92-5	80



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT0901\23261.D
Acq On : 9 Oct 2001 7:13 pm
Sample : g c/ms unknown
Misc :
MS Integration Params: LSCINT.P

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

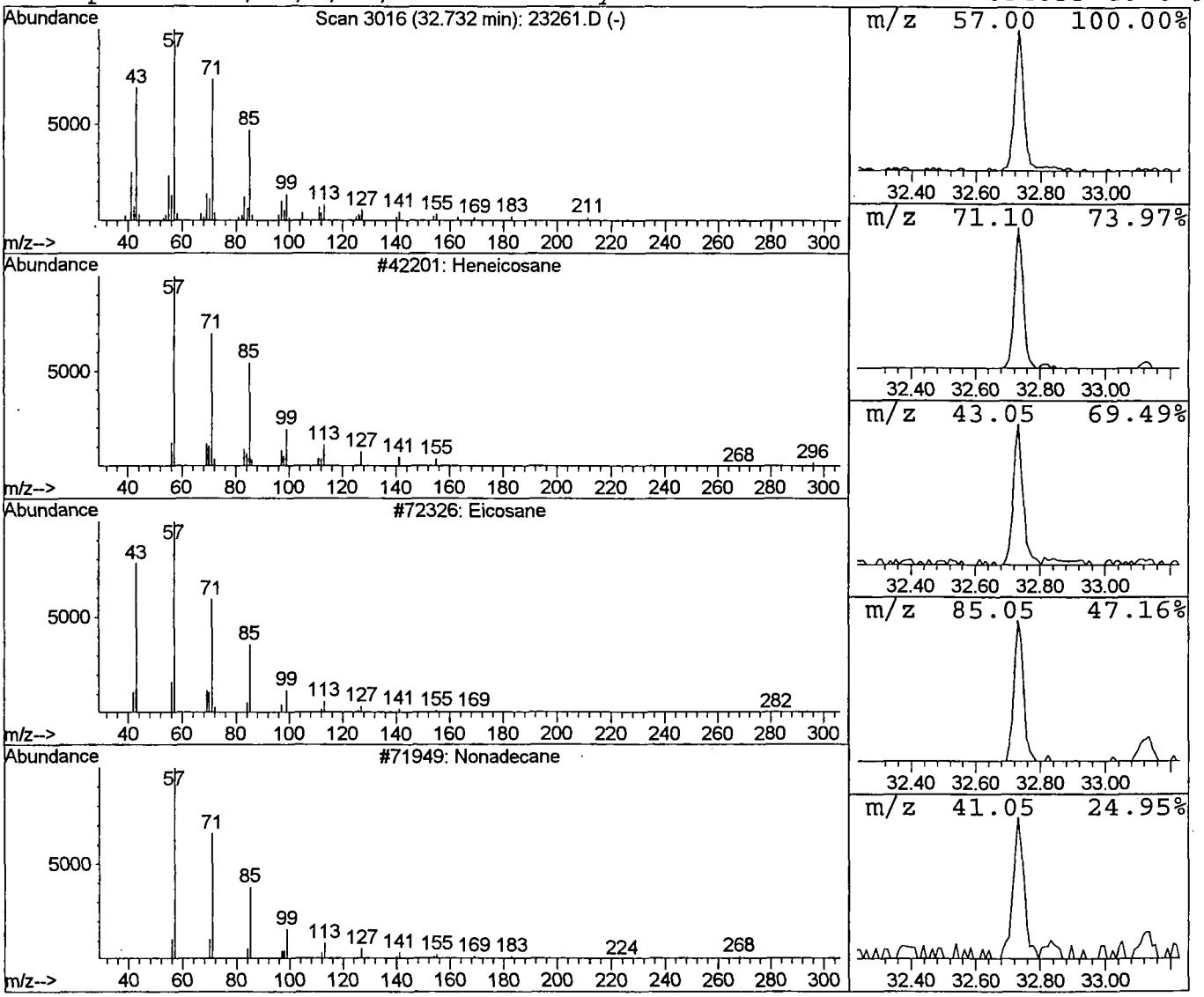
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 5 Heneicosane — Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
32.73	0.56 ug/l	103867	Chrysene-d12	33.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Eicosane	282	C20H42	000112-95-8	91
3	Nonadecane	268	C19H40	000629-92-5	91
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	91



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT0901\23261.D
Acq On : 9 Oct 2001 7:13 pm
Sample : g c/ms unknown
Misc :
MS Integration Params: LSCINT.P

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

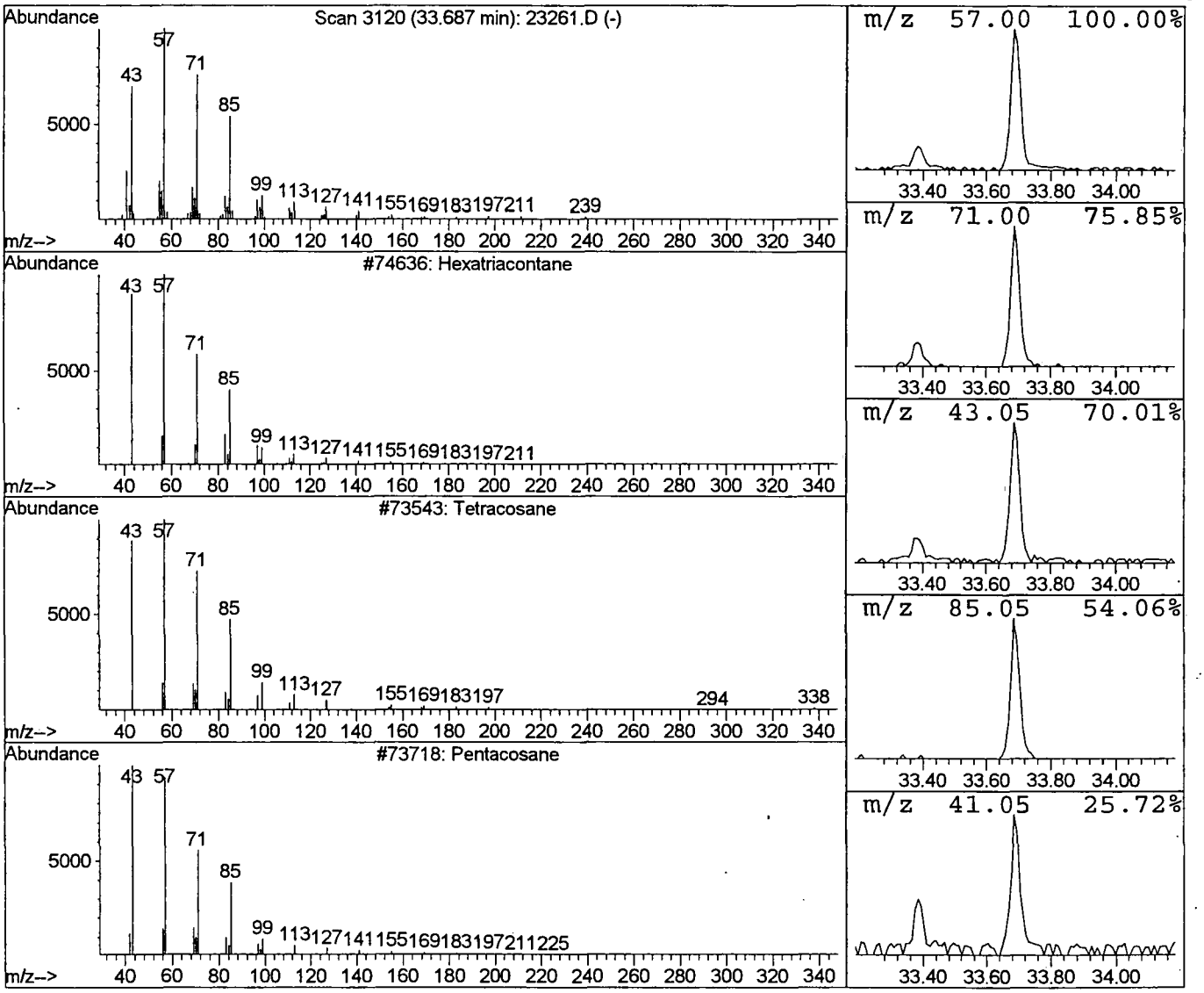
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 6 Hexatriacontane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
33.69	0.64 ug/l	119167	Chrysene-d12	33.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexatriacontane	507	C36H74	000630-06-8	94
2	Tetracosane	338	C24H50	000646-31-1	91
3	Pentacosane	352	C25H52	000629-99-2	91
4	Nonacosane	408	C29H60	000630-03-5	91



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT0901\23261.D
Acq On : 9 Oct 2001 7:13 pm
Sample : g c/ms unknown
Misc :
MS Integration Params: LSCINT.P

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

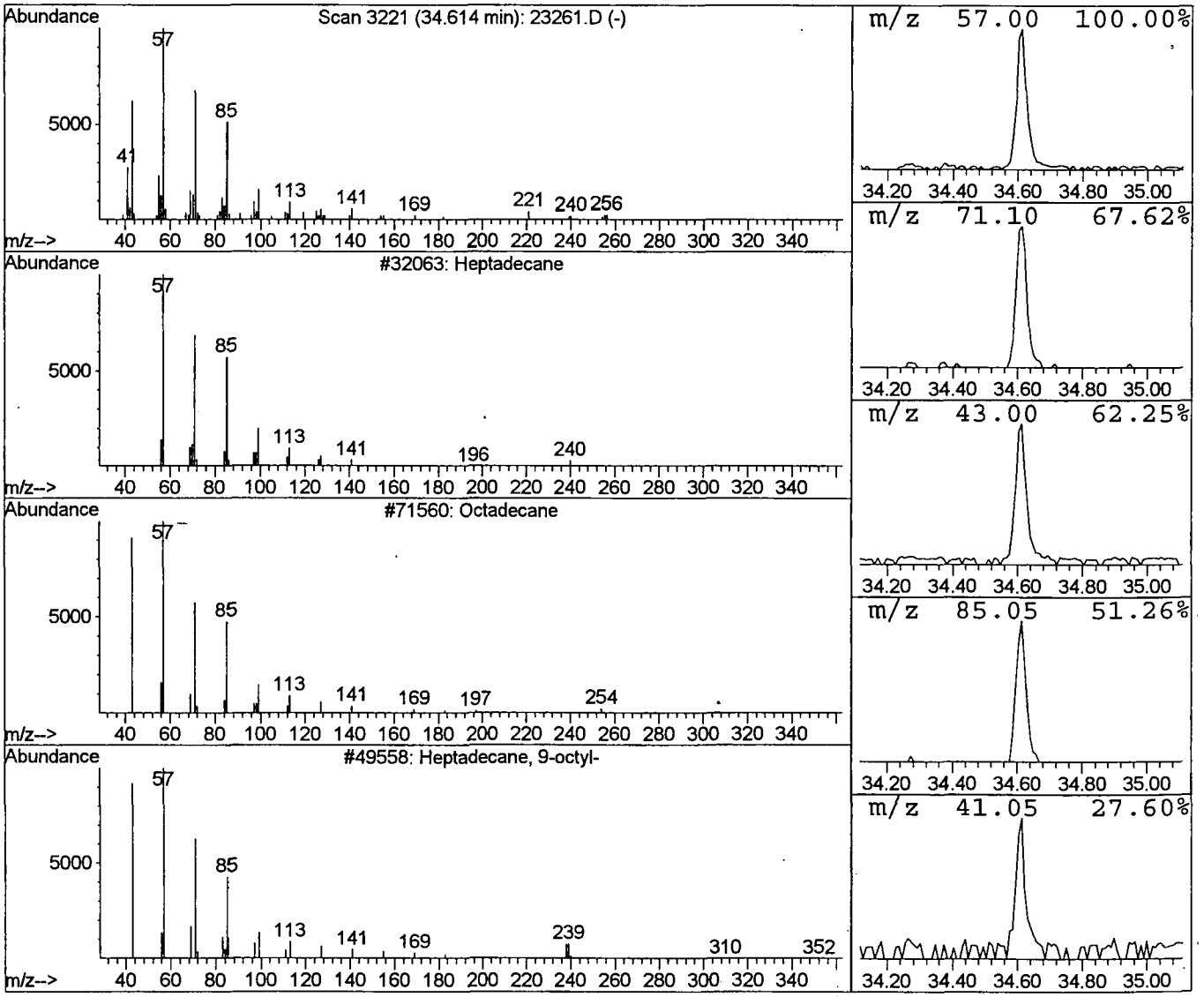
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 7 Heptadecane — Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
34.61	0.51 ug/l	95077	Chrysene-d12	33.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	96
2	Octadecane	254	C18H38	000593-45-3	95
3	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
4	Heneicosane	296	C21H44	000629-94-7	90



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT0901\23261.D
Acq On : 9 Oct 2001 7:13 pm
Sample : g c/ms unknown
Misc :
MS Integration Params: LSCINT.P

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

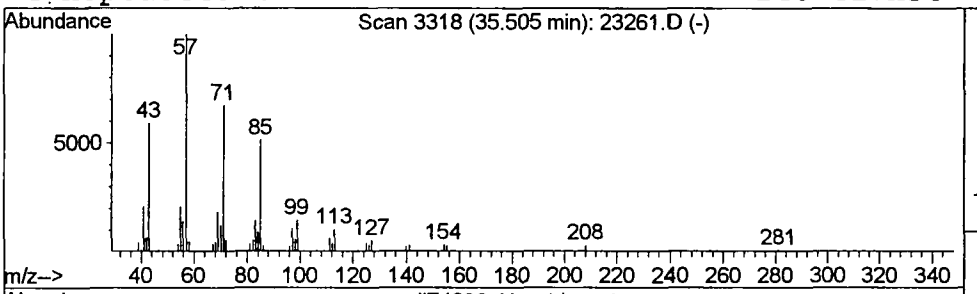
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

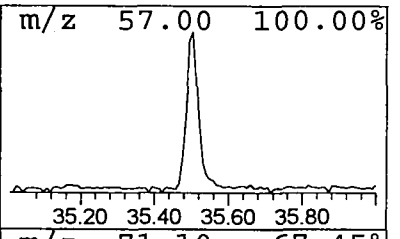
****

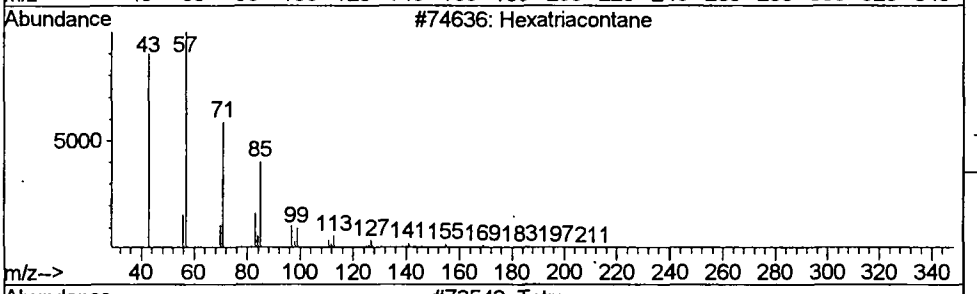
Peak Number 8 Hexatriacontane Concentration Rank 5

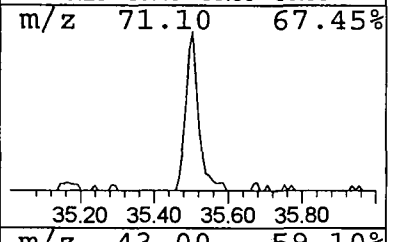
R.T.	EstConc	Area	Relative to ISTD	R.T.
35.50	0.53 ug/l	77026	Perylene-d12	37.24

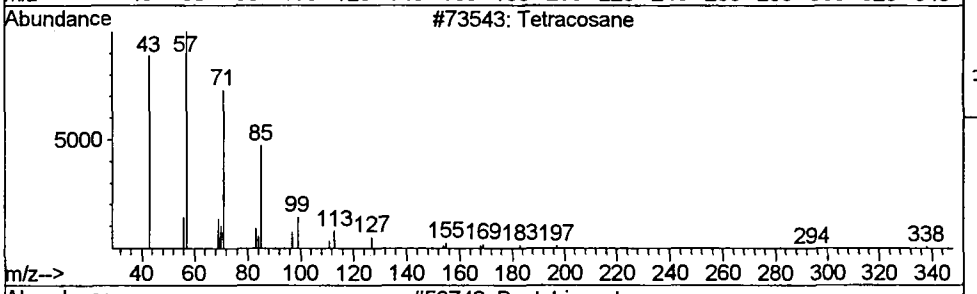
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexatriacontane	507	C36H74	000630-06-8	91
2	Tetracosane	338	C24H50	000646-31-1	91
3	Pentatriacontane	493	C35H72	000630-07-9	91
4	Heptadecane	240	C17H36	000629-78-7	91

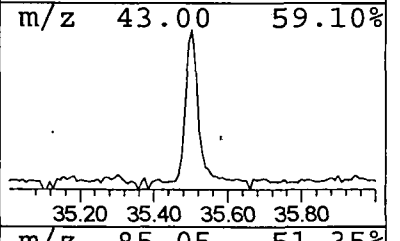


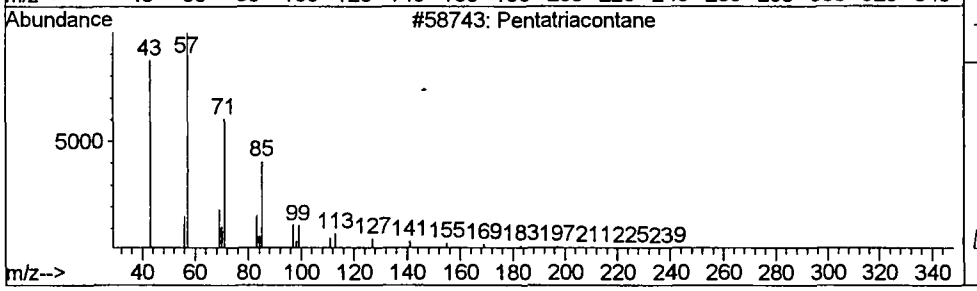


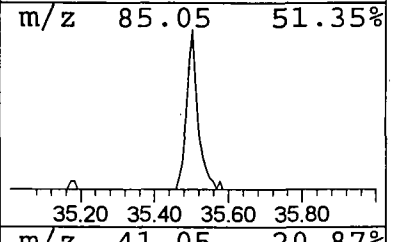


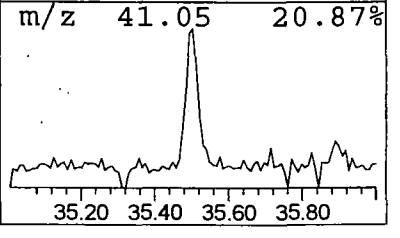












Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 9 Oct 2001 7:13 pm
Data File: C:\HPCHEM\1\DATA\OCT0901\23261.D
Name: g c/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
1,4-Dichlorobenzene-	11.63	0.6	ug/l	106279	ISTD01	11.76	3861920	20.0
1,3-Hexanediol, 2-et	29.51	0.6	ug/l	114450	ISTD05	33.13	3712180	20.0
Octadecanoic acid, 2	31.65	0.5	ug/l	86482	ISTD05	33.13	3712180	20.0
Tetracosane	31.74	0.5	ug/l	96067	ISTD05	33.13	3712180	20.0
Heneicosane	32.73	0.6	ug/l	103867	ISTD05	33.13	3712180	20.0
Hexatriacontane	33.69	0.6	ug/l	119167	ISTD05	33.13	3712180	20.0
Heptadecane	34.61	0.5	ug/l	95077	ISTD05	33.13	3712180	20.0
Hexatriacontane	35.50	0.5	ug/l	77026	ISTD06	37.24	2910860	20.0

23261.D NP091101.M Thu Oct 11 10:46:01 2001

Comments for Sample AD23261 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 10-12-2001 Time: 18:08:26

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 in the Laboratory Blank.