User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 10/10/2001 Time: 14:08:22

Sample: AD22978
Analysis: $GCMS GC/MS Scan For Unknowns
Started: 10/10/01 14:07 Ended: 10/10/01 14:07 Analyst: MG
Page: 1

	Component Name	Viol	Result
1	Other unknown compounds		see comment

Data File : C:\HPCHEM\1\DATA\OCT0301\22978.D Vial: 4
Acq On : 3 Oct 2001 3:35 pm Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 9 10:14 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	486155	20.00	ug/l	-0.13
19) Naphthalene-d8	15.40	136	1901267	20.00	ug/l	-0.13
31) Acenaphthene-d10	20.69	164	902010	20.00	ug/l	-0.13
49) Phenanthrene-d10	25.11	188	1276159	20.00	ug/l	-0.13
59) Chrysene-d12	33.15	240	919998	20.00	ug/l	-0.13
68) Perylene-d12	37.27	264	681561	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	5035	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	18.82	172	1899	0.03	ug/l	0.01
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.		

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

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Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 9 10:14 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
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.	
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	0.00	165	0	N.D.	
45)	Diethylphthalate	0.00	149	0	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	25.12	178	422	N.D.	
56)	Anthracene	25.12	178	422	N.D.	
57)	Di-n-butylphthalate	27.10	149	51948	0.51 ug/l	98
58)	Fluoranthene	0.00	202	0	N.D.	
60)	3,3'-Dichlorobenzidine	0.00	252	0	N.D.	

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

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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
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	33.15	228	2169	N.D.	
66)	Bis(2-ethylhexyl)phthalate	33.41	149	5327	N.D.	
67)	Chrysene	33.15	228	2169	N.D.	
69)	Di-n-Octylphthalate	0.00	149	0	N.D.	
70)	Benzo(b)fluoranthene	0.00	252	0	N.D.	
71)	Benzo(k)fluoranthene	0.00	252	0	N.D.	
72)	Benzo(a)pyrene	37.27	252	2413	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.	

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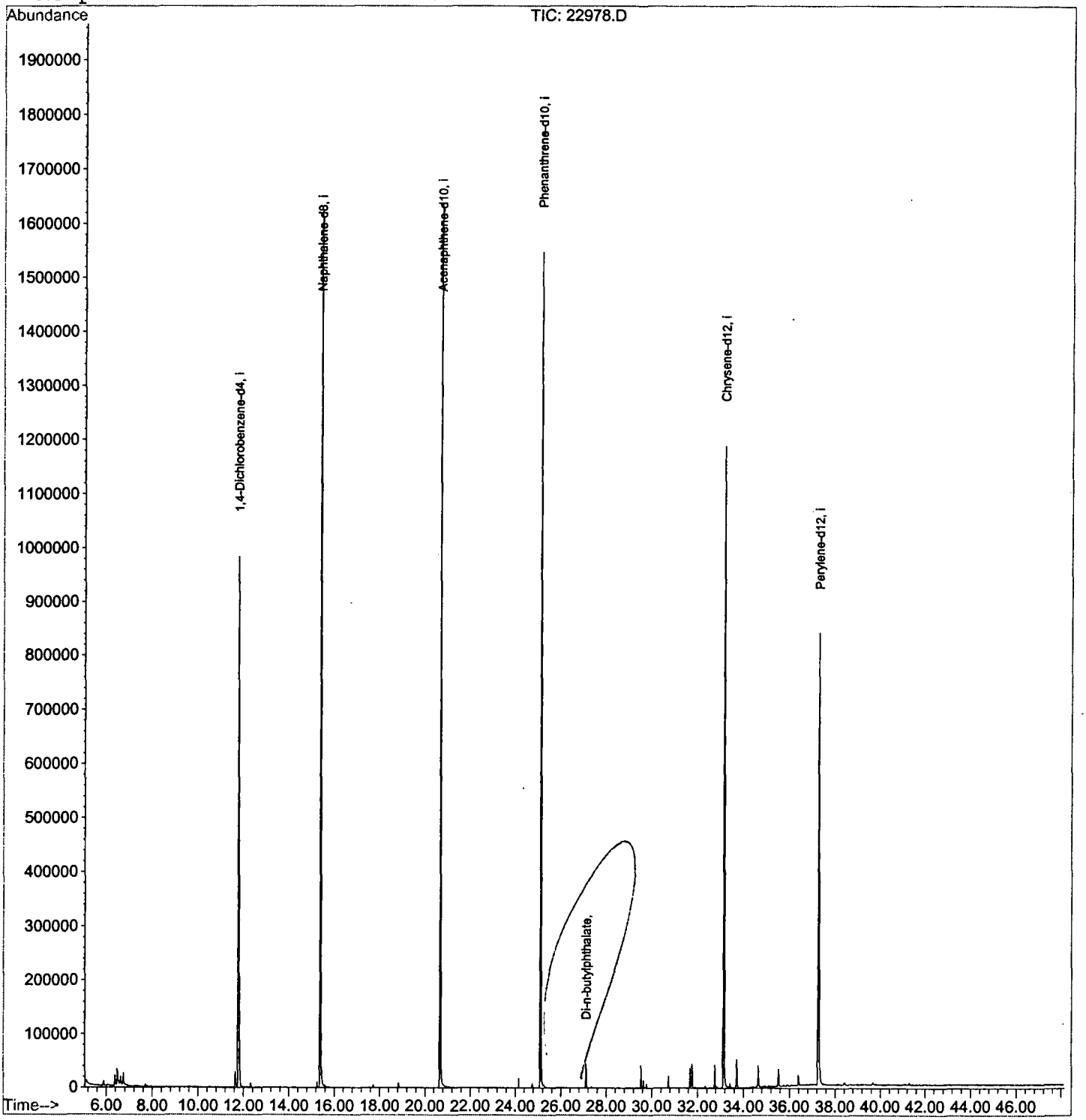
Title : 209 625/TCLP calibration table 7/16/01
Last Update : Thu Sep 13 12:47:04 2001
Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\OCT0301\22978.D Vial: 4
Acq On : 3 Oct 2001 3:35 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

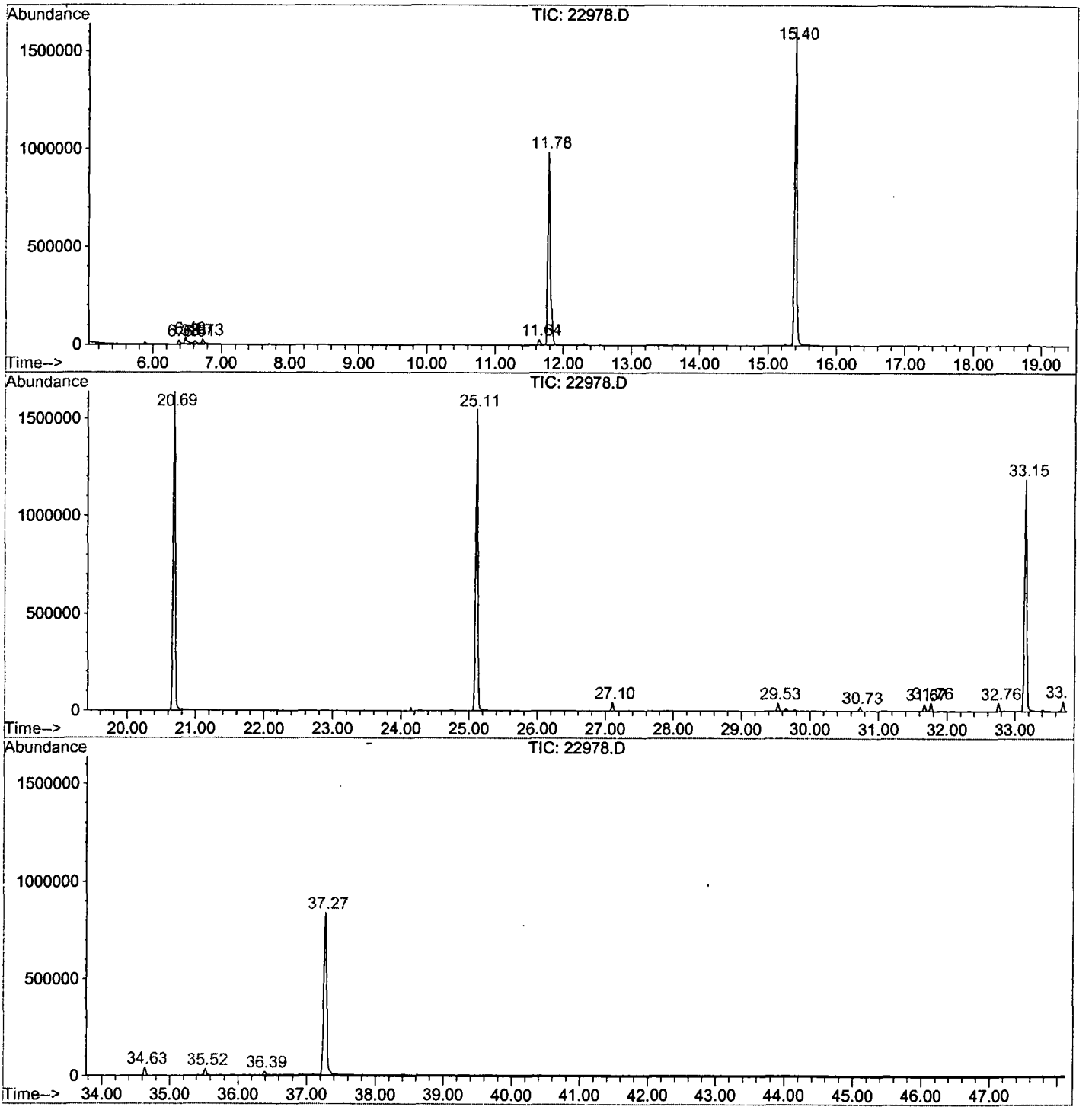
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	6.375	140	145	152	rBV	20693	47132	1.32%	0.245%
2	6.476	152	156	167	rVV	31246	91259	2.55%	0.475%
3	6.614	167	171	179	rVV	16105	41947	1.17%	0.218%
4	6.733	180	184	192	rVB	22137	48220	1.35%	0.251%
5	11.645	714	719	729	rBV	28271	65191	1.82%	0.340%
6	11.783	729	734	748	rBV	983479	2497351	69.90%	13.007%
7	15.400	1121	1128	1145	rBV	1626140	3456732	96.75%	18.004%
8	20.687	1697	1704	1716	rBV	1638306	3572897	100.00%	18.609%
9	25.112	2179	2186	2198	rBV	1547544	3282482	91.87%	17.096%
10	27.104	2398	2403	2409	rBV	44696	81559	2.28%	0.425%
11	29.528	2662	2667	2675	rBV	41658	78996	2.21%	0.411%
12	30.731	2793	2798	2803	rVB	22134	43008	1.20%	0.224%
13	31.667	2896	2900	2906	rBV	36881	70332	1.97%	0.366%
14	31.759	2906	2910	2919	rVB	44745	87179	2.44%	0.454%
15	32.760	3014	3019	3025	rBV	42898	87442	2.45%	0.455%
16	33.154	3054	3062	3075	rBV2	1189233	2834567	79.34%	14.763%
17	33.714	3114	3123	3129	rBV2	52710	114707	3.21%	0.597%
18	34.632	3214	3223	3235	rBV	40290	93533	2.62%	0.487%
19	35.523	3314	3320	3329	rBV2	32663	75221	2.11%	0.392%
20	36.386	3410	3414	3420	rBV3	18679	44200	1.24%	0.230%
21	37.267	3502	3510	3525	rBV2	836390	2486308	69.59%	12.949%

Sum of corrected areas: 19200263

22978.D NP091101.M Tue Oct 09 09:50:57 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\OCT0301\22978.D
Operator : 209 GALOS
Acquired : 3 Oct 2001 3:35 pm using AcqMethod NP091101
Instrument : GC/MS 209
Sample Name: gc/ms unknown
Misc Info :
Vial Number: 4
Quant File :NP091101.RES (RTE Integrator)



22978.D NP091101.M Tue Oct 09 09:51:02 2001

Data File : C:\HPCHEM\1\DATA\OCT0301\22978.D Vial: 4
Acq On : 3 Oct 2001 3:35 pm Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

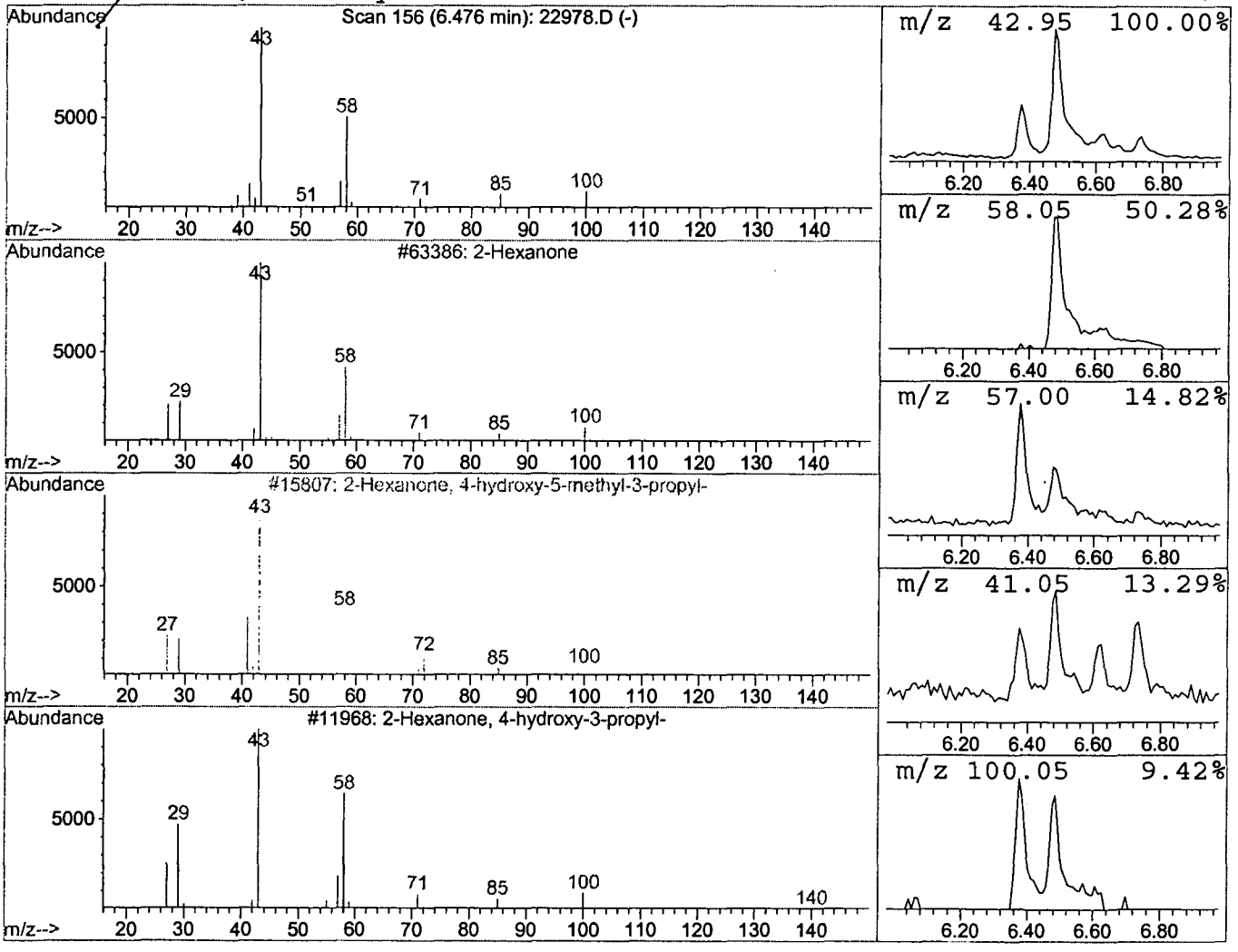
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 2-Hexanone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.48	0.73 ug/l	91259	1,4-Dichlorobenzene-d4	11.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanone	100	C6H12O	000591-78-6	90
2	2-Hexanone, 4-hydroxy-5-methyl-3-pr	172	C10H20O2	061141-74-0	83
3	2-Hexanone, 4-hydroxy-3-propyl-	158	C9H18O2	062338-17-4	56
4	2-Hexanone, 4-methyl-	114	C7H14O	000105-42-0	50



Data File : C:\HPCHEM\1\DATA\OCT0301\22978.D Vial: 4
Acq On : 3 Oct 2001 3:35 pm Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

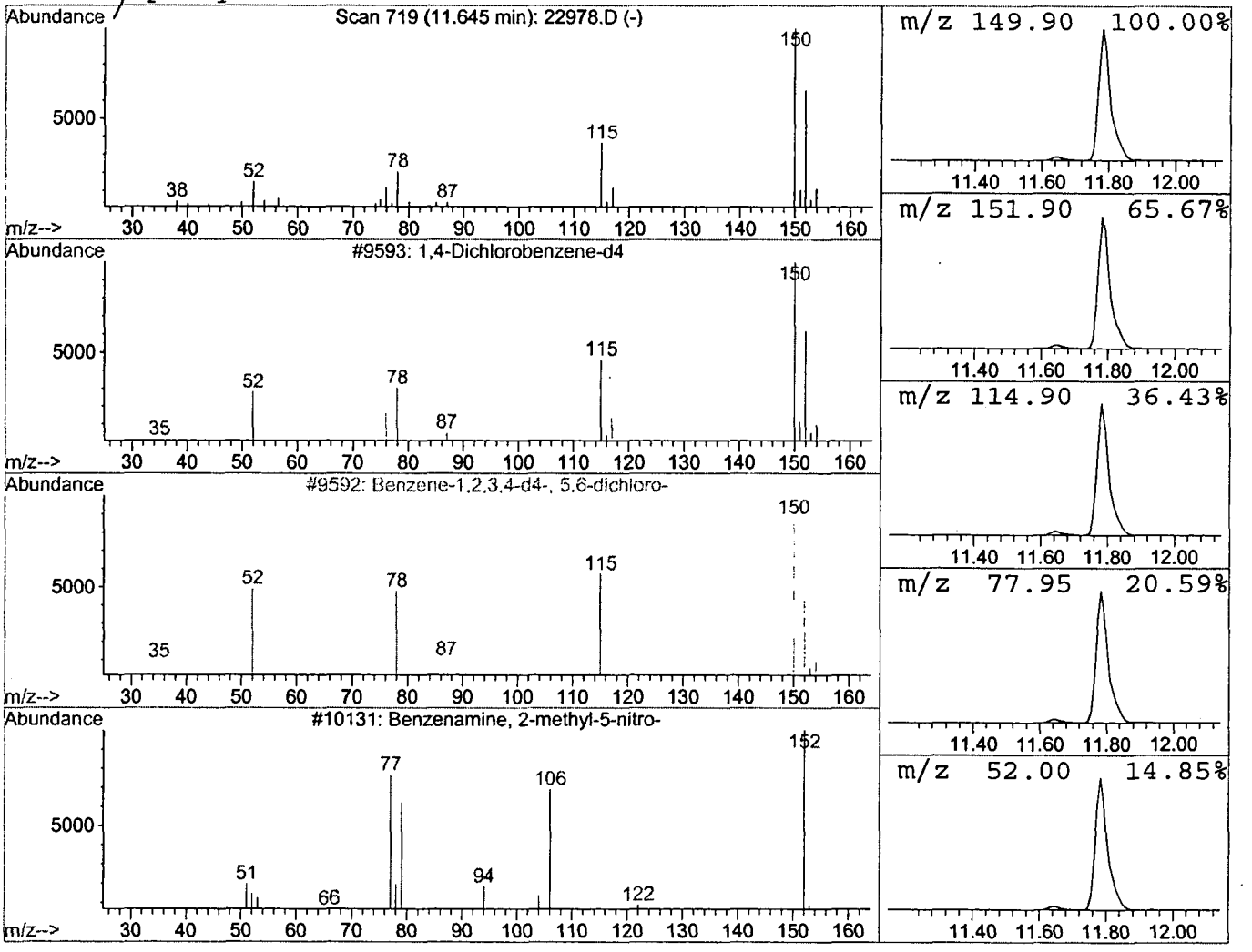
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 1,4-Dichlorobenzene-d4 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.64	0.52 ug/l	65191	1,4-Dichlorobenzene-d4	11.78

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	23
3	Benzenamine, 2-methyl-5-nitro-	152	C7H8N2O2	000099-55-8	9
4	Acenaphthylene	152	C12H8	000208-96-8	9



Data File : C:\HPCHEM\1\DATA\OCT0301\22978.D Vial: 4
Acq On : 3 Oct 2001 3:35 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
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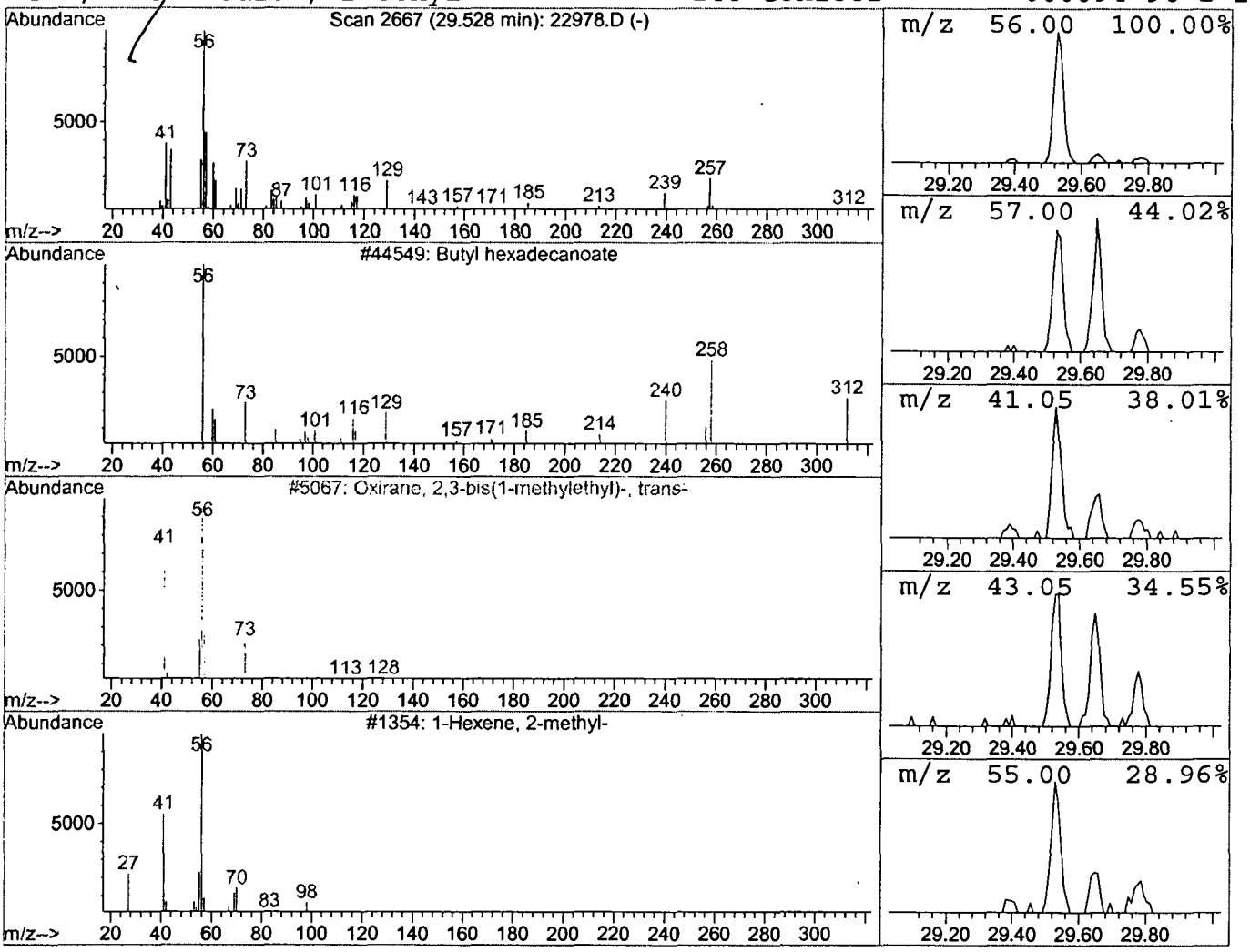
Peak Number 3 Butyl hexadecanoate Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.53	0.56 ug/l	78996	Chrysene-d12	33.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butyl hexadecanoate	312	C20H40O2	000000-00-0	37
2	Oxirane, 2,3-bis(1-methylethyl)-, t	128	C8H16O	054644-32-5	37
3	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	27
4	1,3-Hexanediol, 2-ethyl-	146	C8H18O2	000094-96-2	25



Data File : C:\HPCHEM\1\DATA\OCT0301\22978.D Vial: 4
Acq On : 3 Oct 2001 3:35 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

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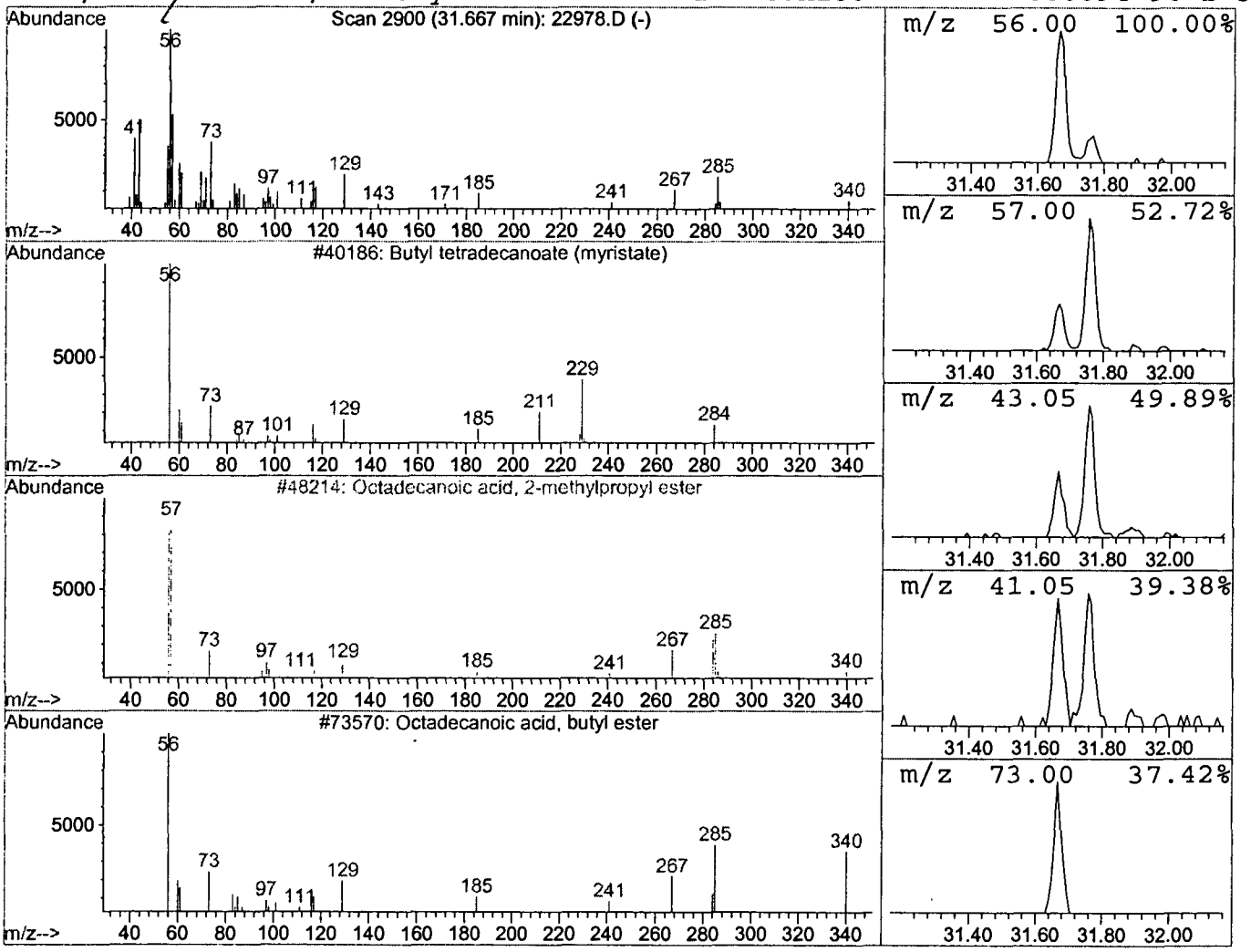
Peak Number 4 Butyl tetradecanoate (myristat Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.67	0.50 ug/l	70332	Chrysene-d12	33.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butyl tetradecanoate (myristate)	284	C18H36O2	000000-00-0	72
2	Octadecanoic acid, 2-methylpropyl e	340	C22H44O2	000646-13-9	46
3	Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	42
4	1,3-Hexanediol, 2-ethyl-	146	C8H18O2	000094-96-2	32



Data File : C:\HPCHEM\1\DATA\OCT0301\22978.D Vial: 4
Acq On : 3 Oct 2001 3:35 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

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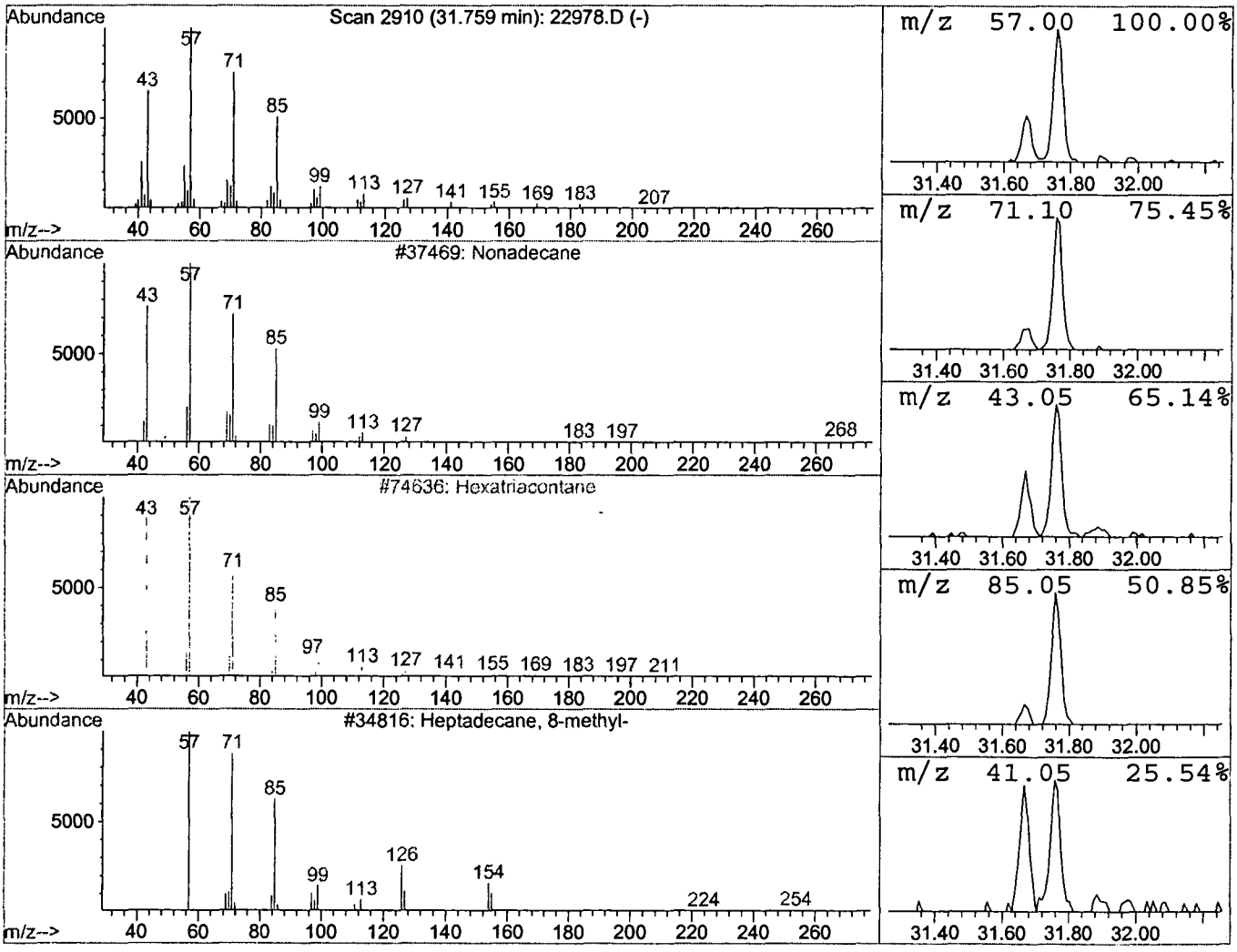
Peak Number 5 Nonadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.76	0.62 ug/l	87179	Chrysene-d12	33.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	91
2	Hexatriacontane	507	C36H74	000630-06-8	90
3	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	86
4	Octacosane	394	C28H58	000630-02-4	86



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Acq On : 3 Oct 2001 3:35 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

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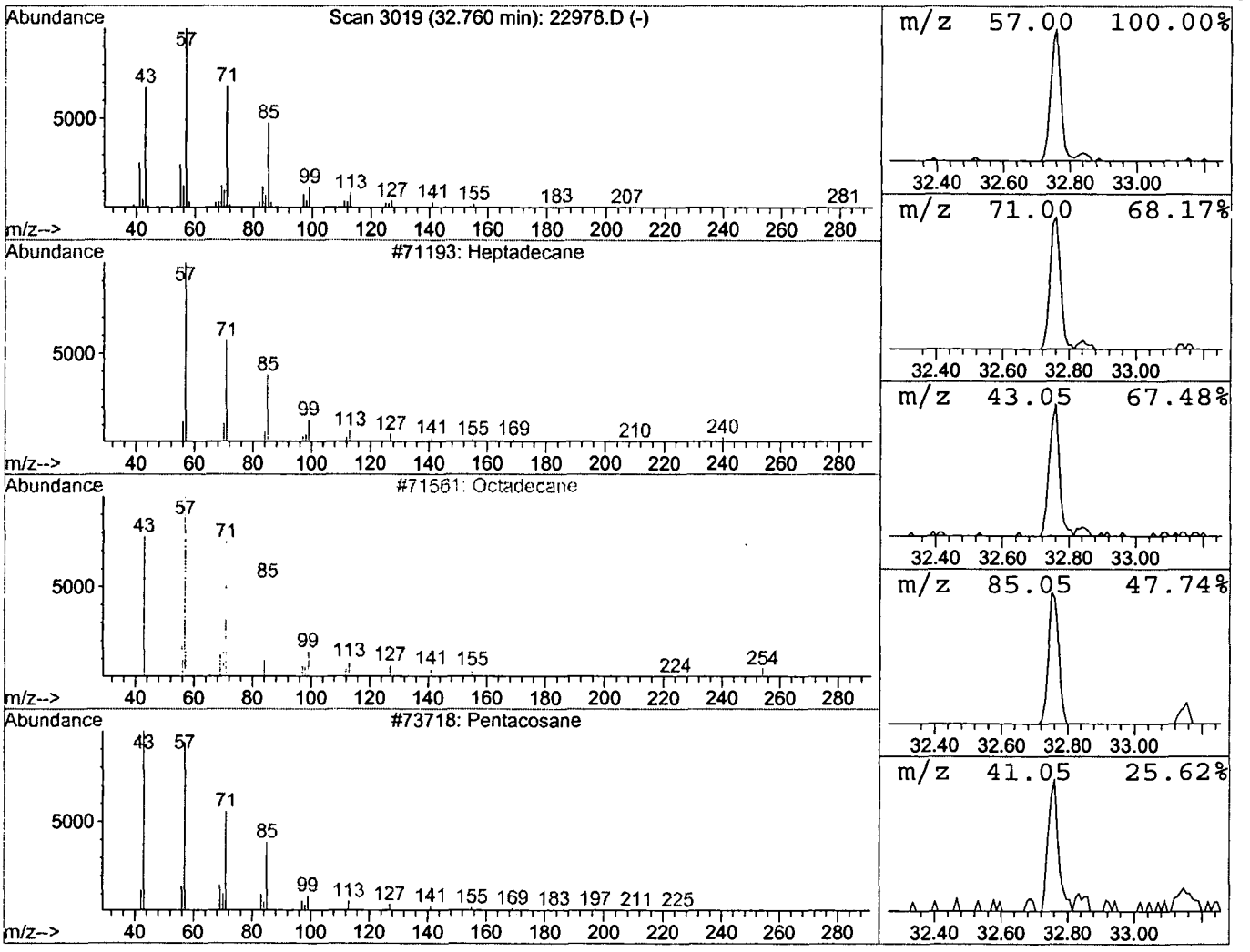
Peak Number 6 Heptadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
32.76	0.62 ug/l	87442	Chrysene-d12	33.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	91
2	Octadecane	254	C18H38	000593-45-3	90
3	Pentacosane	352	C25H52	000629-99-2	87
4	Tricosane	324	C23H48	000638-67-5	87



Data File : C:\HPCHEM\1\DATA\OCT0301\22978.D Vial: 4
Acq On : 3 Oct 2001 3:35 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

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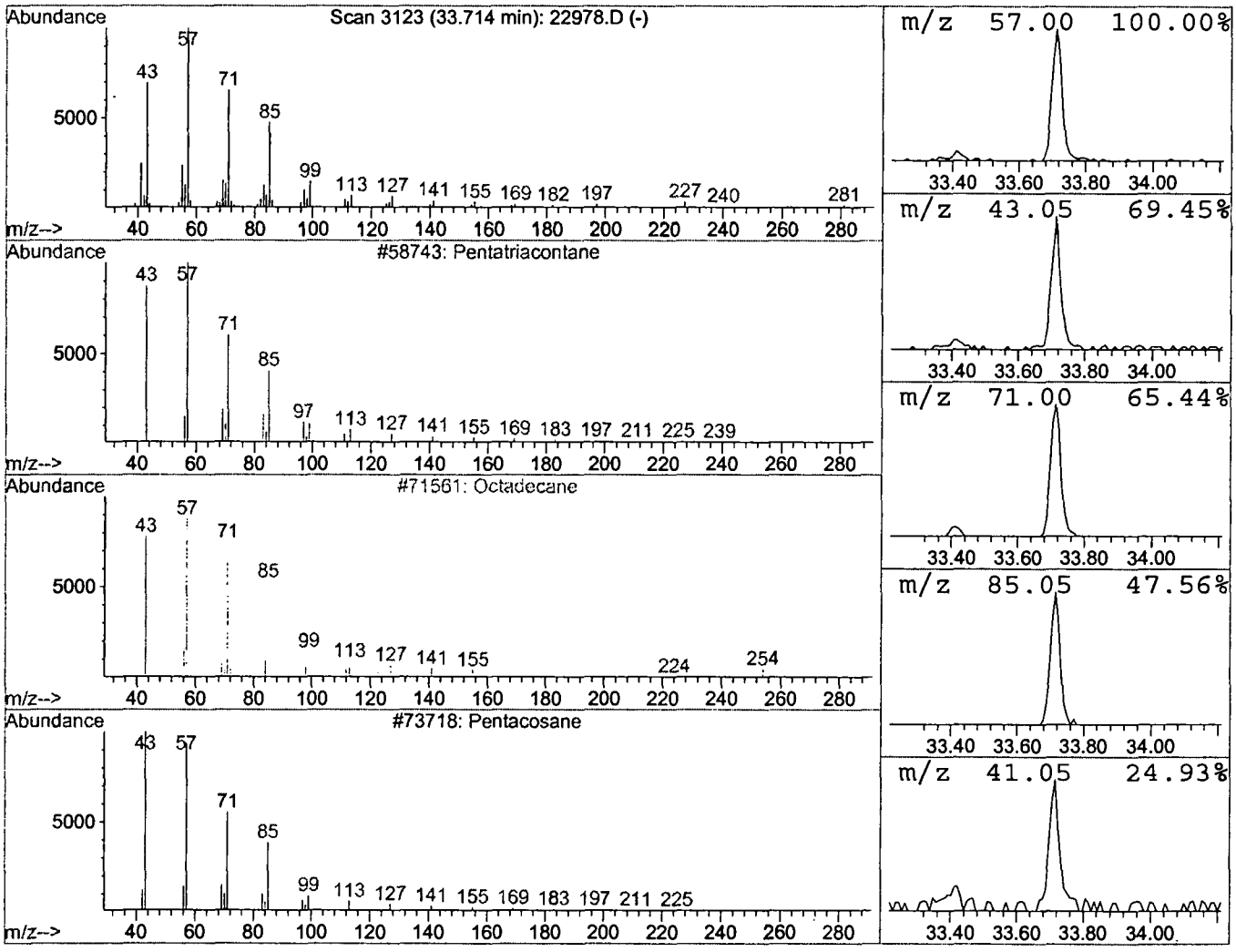
Peak Number 7 Pentatriacontane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
33.71	0.81 ug/l	114707	Chrysene-d12	33.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentatriacontane	493	C35H72	000630-07-9	91
2	Octadecane	254	C18H38	000593-45-3	91
3	Pentacosane	352	C25H52	000629-99-2	91
4	Tetracosane	338	C24H50	000646-31-1	90



Data File : C:\HPCHEM\1\DATA\OCT0301\22978.D Vial: 4
Acq On : 3 Oct 2001 3:35 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)
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Library : C:\DATABASE\NBS75K.L

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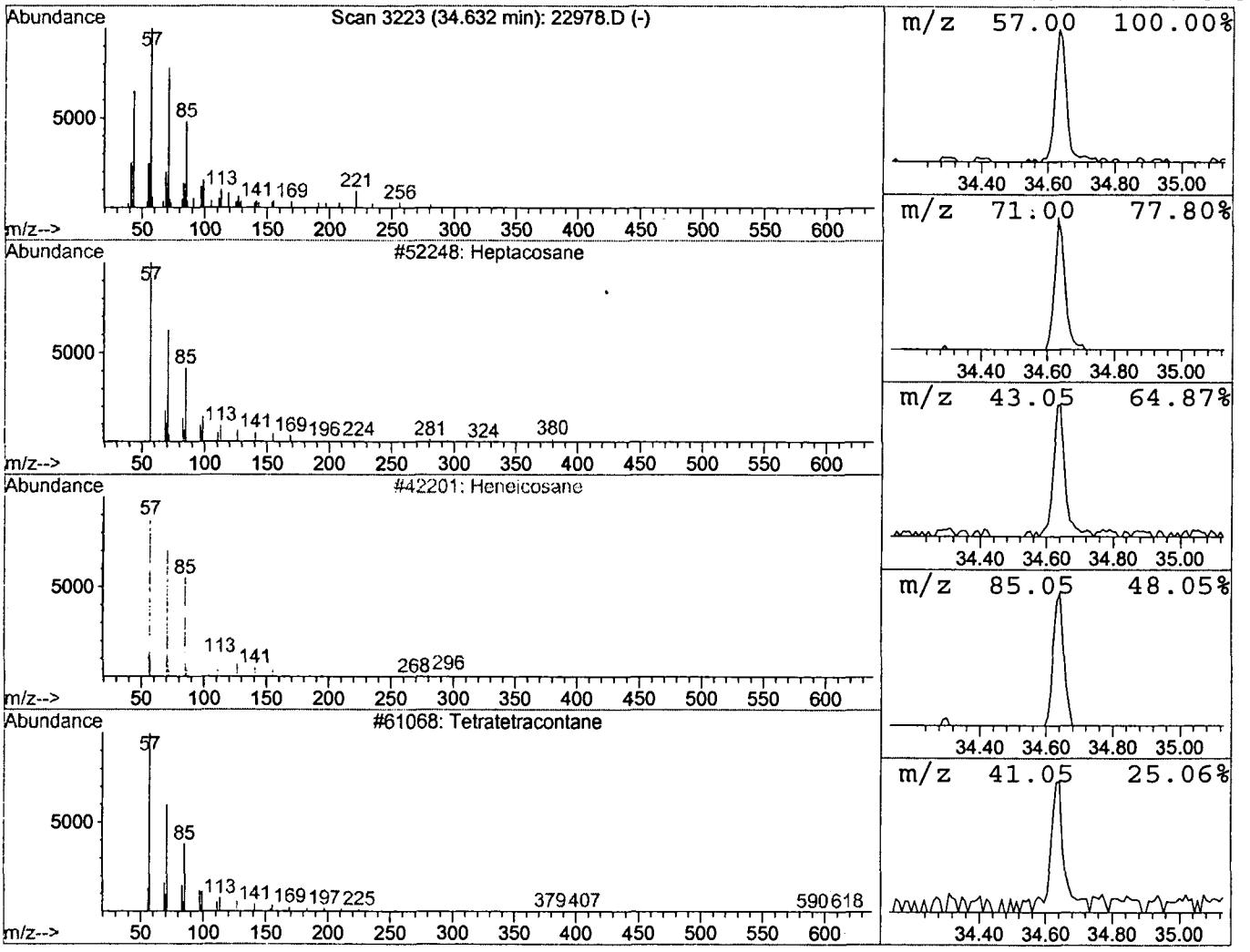
Peak Number 8 Heptacosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
34.63	0.66 ug/l	93533	Chrysene-d12	33.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	90
2	Heneicosane	296	C21H44	000629-94-7	90
3	Tetratetracontane	619	C44H90	007098-22-8	90
4	Octadecane	254	C18H38	000593-45-3	90



Data File : C:\HPCHEM\1\DATA\OCT0301\22978.D Vial: 4
Acq On : 3 Oct 2001 3:35 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

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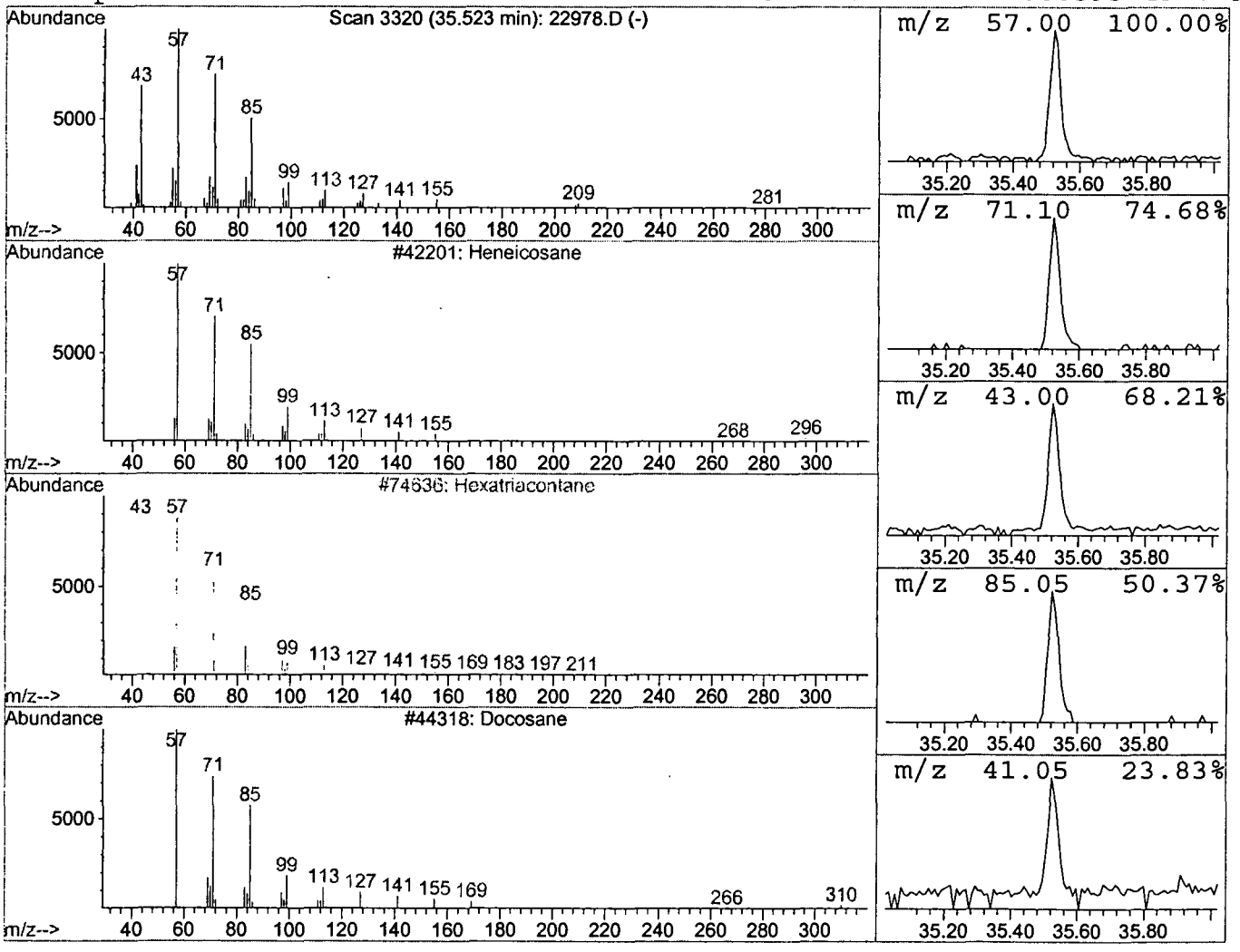
Peak Number 9 Heneicosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
35.52	0.61 ug/l	75221	Perylene-d12	37.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Hexatriacontane	507	C36H74	000630-06-8	91
3	Docosane	310	C22H46	000629-97-0	91
4	Heptacosane	380	C27H56	000593-49-7	91



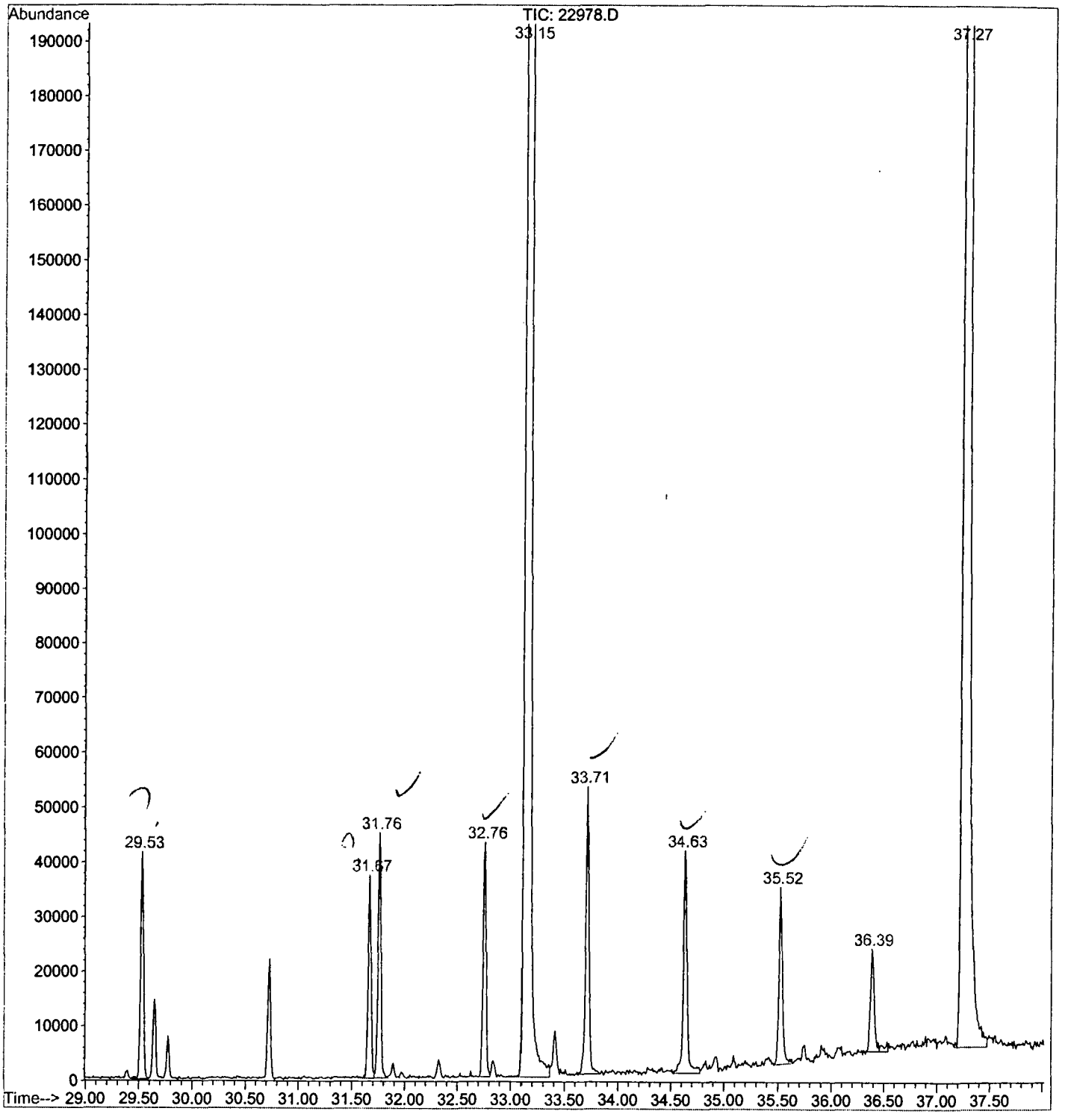
Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 3 Oct 2001 3:35 pm
Data File: C:\HPCHEM\1\DATA\OCT0301\22978.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
2-Hexanone	6.48	0.7	ug/l	91259	ISTD01	11.78	2497350	20.0
1,4-Dichlorobenzene-	11.64	0.5	ug/l	65191	ISTD01	11.78	2497350	20.0
Butyl hexadecanoate	29.53	0.6	ug/l	78996	ISTD05	33.15	2834570	20.0
Butyl tetradecanoate	31.67	0.5	ug/l	70332	ISTD05	33.15	2834570	20.0
Nonadecane	31.76	0.6	ug/l	87179	ISTD05	33.15	2834570	20.0
Heptadecane	32.76	0.6	ug/l	87442	ISTD05	33.15	2834570	20.0
Pentatriacontane	33.71	0.8	ug/l	114707	ISTD05	33.15	2834570	20.0
Heptacosane	34.63	0.7	ug/l	93533	ISTD05	33.15	2834570	20.0
Heneicosane	35.52	0.6	ug/l	75221	ISTD06	37.27	2486310	20.0

22978.D NP091101.M Tue Oct 09 09:51:48 2001

File : C:\HPCHEM\1\DATA\OCT0301\22978.D
Operator : 209 GALOS
Acquired : 3 Oct 2001 3:35 pm using AcqMethod NP091101
Instrument : GC/MS 209
Sample Name: gc/ms unknown
Misc Info :
Vial Number: 4



Comments for Sample AD22978 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 10-11-2001 Time: 17:27:33

A scan of the extract prepared for the 508 analysis, from 35 - 550 amu using a mass spectrometer, does reveal the presence of non-target compounds. These hydrocarbons do not appear to be present in the Laboratory Blank. However, these hydrocarbons were present in previous Laboratory Blanks, and also some samples, analyzed for this NYCDEP project. An investigation is being made to determine the source of these hydrocarbons, if other than the samples themselves, i.e. laboratory equipment and reagents.