User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 10/10/2001 Time: 14:37:02

Sample: AD23084
Analysis: $GCMS GC/MS Scan For Unknowns
Started: 10/10/01 14:35 Ended: 10/10/01 14:35 Analyst: MG
Page: 1

	Component Name	Viol	Result
1	Other unknown compounds		see comment

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\OCT0401\23084.D Vial: 4
Acq On : 4 Oct 2001 6:27 pm Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 4 19:16 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	11.79	152	540995	20.00	ug/l	-0.12
19) Naphthalene-d8	15.39	136	2119594	20.00	ug/l	-0.13
31) Acenaphthene-d10	20.68	164	1009833	20.00	ug/l	-0.13
49) Phenanthrene-d10	25.11	188	1444760	20.00	ug/l	-0.13
59) Chrysene-d12	33.16	240	1044322	20.00	ug/l	-0.12
68) Perylene-d12	37.27	264	775410	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	12.30	152	5645	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	2183	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	30.02	244	557	0.01	ug/l	-0.13
Spiked Amount 50.000			Recovery =	0.02%		
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

Quantitation Report (QT Reviewed)

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Acq On : 4 Oct 2001 6:27 pm Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 4 19:16 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	15.46	128	181	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.	
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	20.93	165	469	N.D.	
45)	Diethylphthalate	22.18	149	188	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	25.17	178	974	N.D.	
56)	Anthracene	25.17	178	726	N.D.	
57)	Di-n-butylphthalate	27.11	149	68561	0.59 ug/l	99
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

Quantitation Report (QT Reviewed)

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Sample : gc/ms unknown Inst : GC/MS 209
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MS Integration Params: RTEINT.P
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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	31.61	149	492	N.D.	
65)	Benzo(a)anthracene	33.16	228	2483	N.D.	
66)	Bis(2-ethylhexyl)phthalate	33.42	149	3295	N.D.	
67)	Chrysene	33.16	228	2483	N.D.	
69)	Di-n-Octylphthalate	35.16	149	106	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	2727	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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Quantitation Report

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Acq On : 4 Oct 2001 6:27 pm Operator: 209 GALOS
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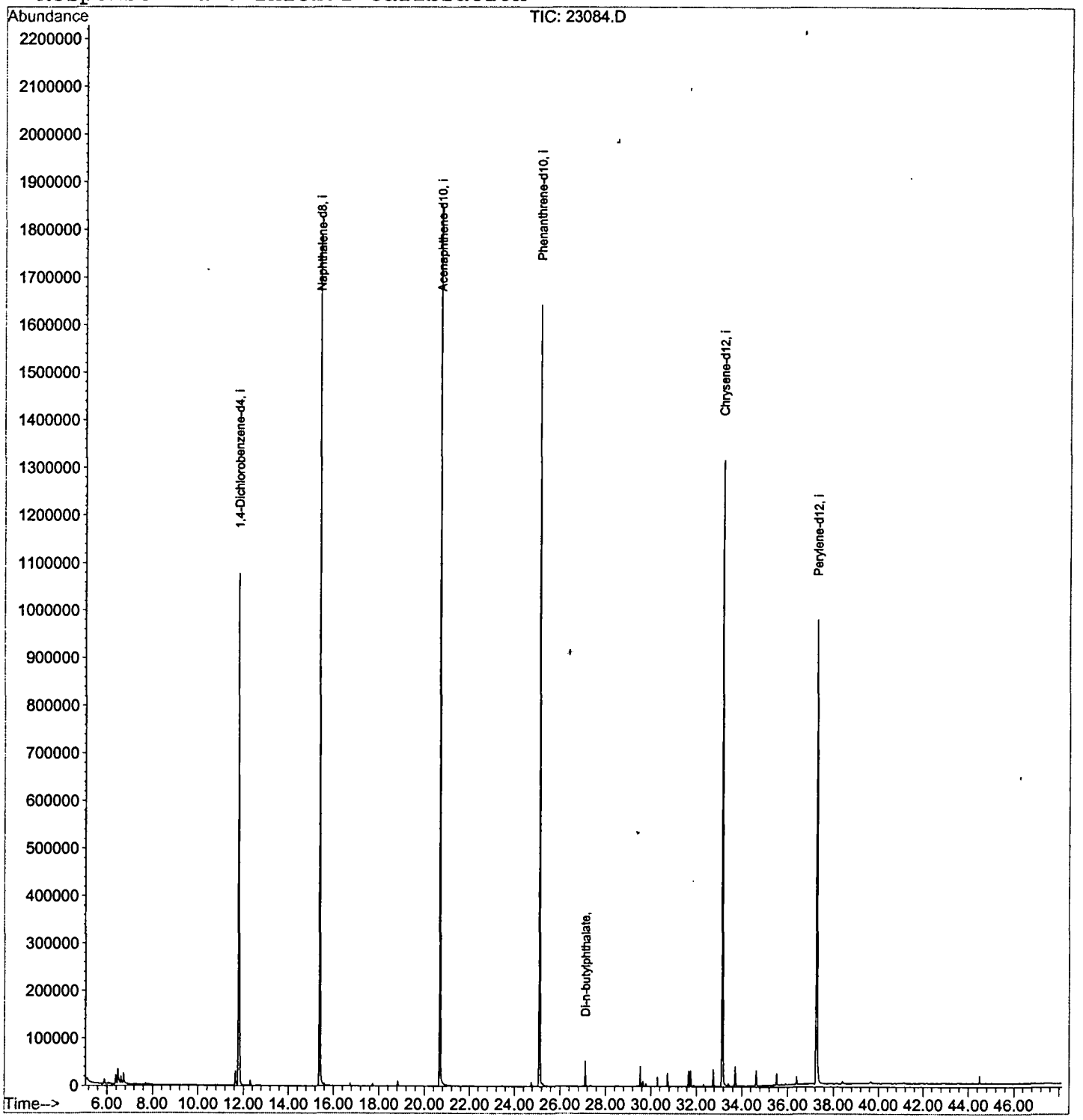
Title : 209 625/TCLP calibration table 7/16/01
Last Update : Thu Sep 13 12:47:04 2001
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\OCT0401\23084.D Vial: 4
Acq On : 4 Oct 2001 6:27 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

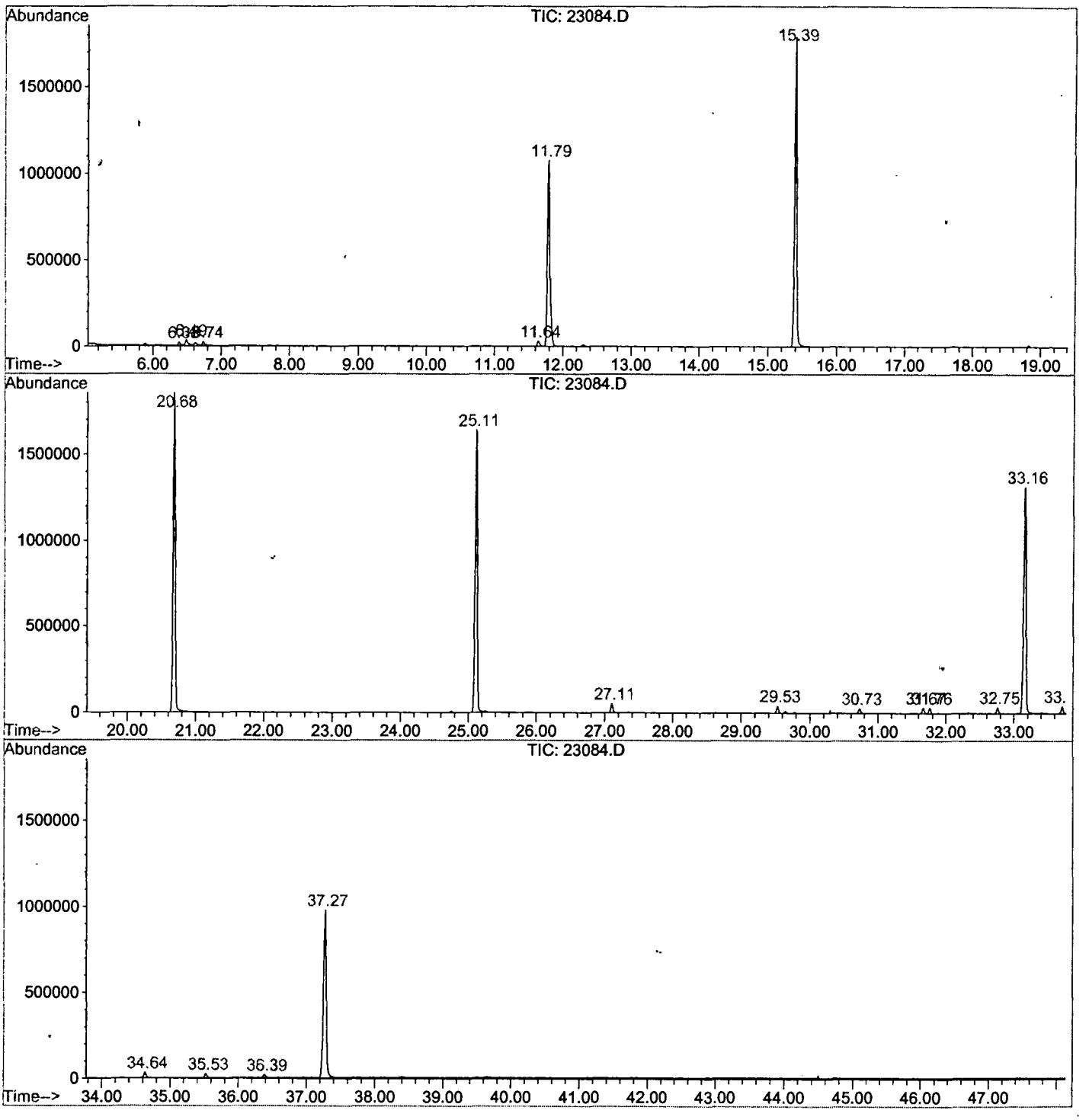
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	6.379	141	146	153	rBV	19995	48125	1.20%	0.225%
2	6.489	154	158	169	rVV	31299	89822	2.24%	0.421%
3	6.737	181	185	192	rVV	20834	45110	1.13%	0.211%
4	11.639	715	719	729	rVB	29685	73630	1.84%	0.345%
5	11.786	729	735	748	rBV	1077548	2784095	69.57%	13.036%
6	15.394	1122	1128	1145	rBV	1788421	3833693	95.80%	17.951%
7	20.682	1697	1704	1723	rBV	1856438	4001696	100.00%	18.737%
8	25.107	2179	2186	2197	rBV2	1643469	3729248	93.19%	17.462%
9	27.108	2399	2404	2411	rBV	52657	107357	2.68%	0.503%
10	29.532	2662	2668	2676	rBV	42424	81020	2.02%	0.379%
11	30.725	2793	2798	2803	rBV2	27913	57446	1.44%	0.269%
12	31.671	2896	2901	2906	rBV	31541	61485	1.54%	0.288%
13	31.763	2906	2911	2921	rVB	32767	65683	1.64%	0.308%
14	32.754	3014	3019	3026	rBV	34846	67068	1.68%	0.314%
15	33.158	3055	3063	3076	rBV2	1316346	3226995	80.64%	15.110%
16	33.709	3116	3123	3129	rBV2	40602	88908	2.22%	0.416%
17	34.636	3220	3224	3231	rVB2	31717	66129	1.65%	0.310%
18	35.527	3316	3321	3330	rBV	24364	53256	1.33%	0.249%
19	36.390	3409	3415	3423	rBV2	16891	41014	1.02%	0.192%
20	37.271	3501	3511	3533	rBV2	976282	2835106	70.85%	13.275%

Sum of corrected areas: 21356886

23084.D NP091101.M Tue Oct 09 12:28:38 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\OCT0401\23084.D
Operator : 209 GALOS
Acquired : 4 Oct 2001 6:27 pm using AcqMethod NP091101
Instrument : GC/MS 209
Sample Name: gc/ms unknown
Misc Info :
Vial Number: 4
Quant File :NP091101.RES (RTE Integrator)



23084.D NP091101.M Tue Oct 09 12:28:47 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT0401\23084.D Vial: 4
Acq On : 4 Oct 2001 6:27 pm Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

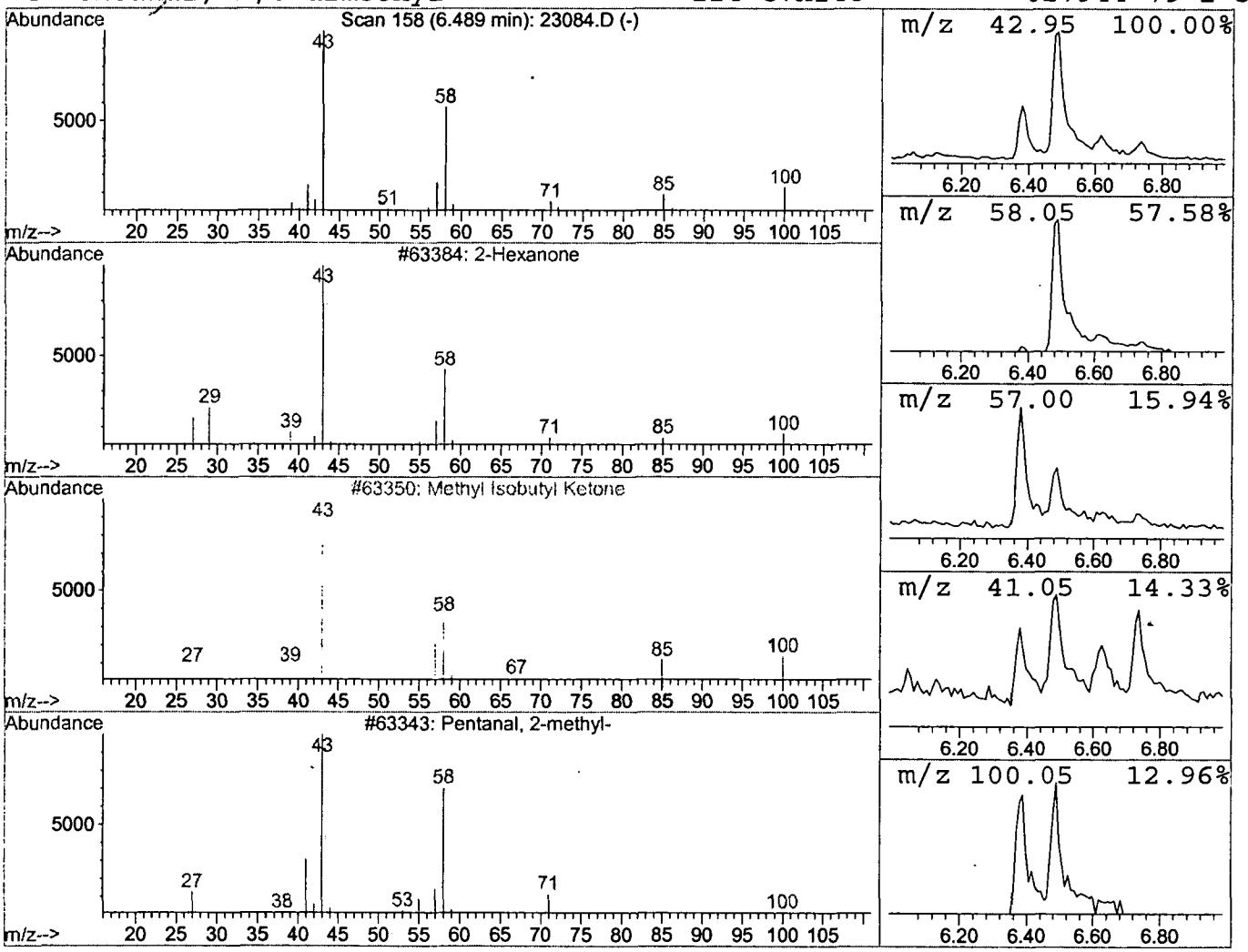
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 2-Hexanone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	0.65 ug/l	89822	1,4-Dichlorobenzene-d4	11.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanone	100	C6H12O	000591-78-6	90
2	Methyl Isobutyl Ketone	100	C6H12O	000108-10-1	53
3	Pentanal, 2-methyl-	100	C6H12O	000123-15-9	38
4	Pentanal, 2,4-dimethyl-	114	C7H14O	027944-79-2	38



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT0401\23084.D Vial: 4
Acq On : 4 Oct 2001 6:27 pm Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

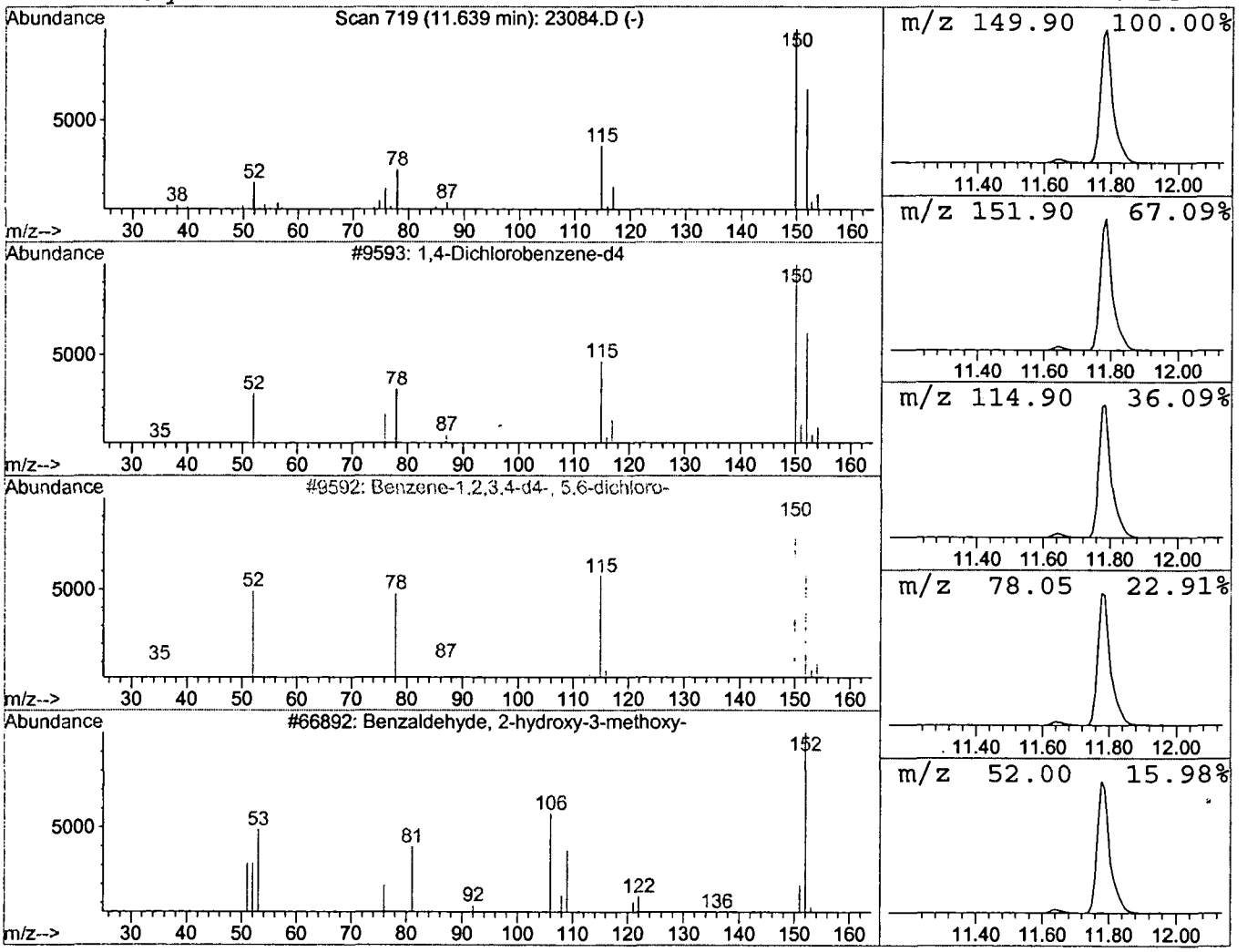
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 1,4-Dichlorobenzene-d4 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.64	0.53 ug/l	73630	1,4-Dichlorobenzene-d4	11.79

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	33
3	Benzaldehyde, 2-hydroxy-3-methoxy-	152	C8H8O3	000148-53-8	14
4	2-Methyl-6-nitroaniline	152	C7H8N2O2	000570-24-1	12



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT0401\23084.D Vial: 4
Acq On : 4 Oct 2001 6:27 pm Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

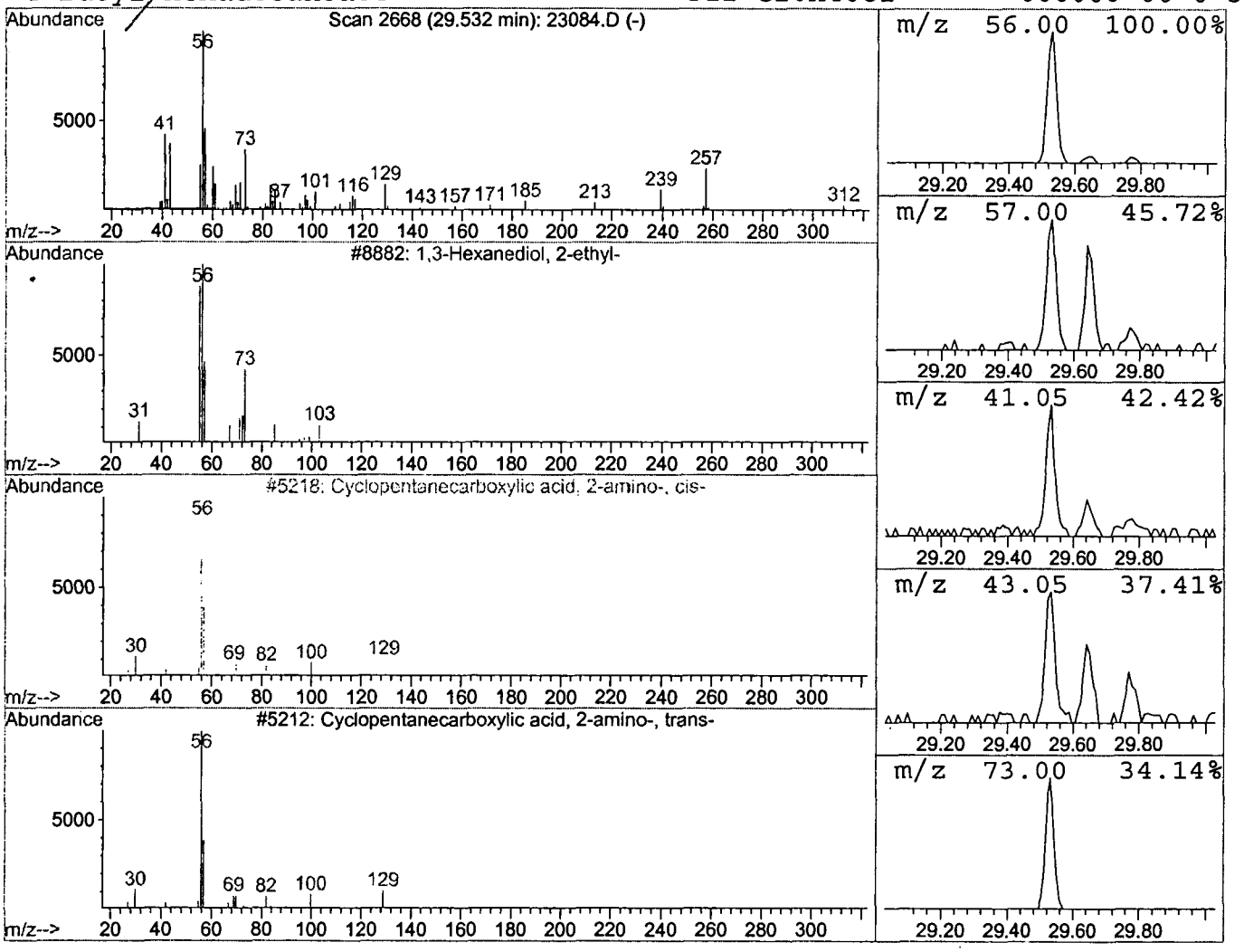
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 1,3-Hexanediol, 2-ethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.53	0.50 ug/l	81020	Chrysene-d12	33.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Hexanediol, 2-ethyl-	146	C8H18O2	000094-96-2	37
2	Cyclopentanecarboxylic acid, 2-amin	129	C6H11NO2	037910-65-9	35
3	Cyclopentanecarboxylic acid, 2-amin	129	C6H11NO2	040482-05-1	35
4	Butyl hexadecanoate	312	C20H40O2	000000-00-0	35



Library Search Compound Report

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Acq On : 4 Oct 2001 6:27 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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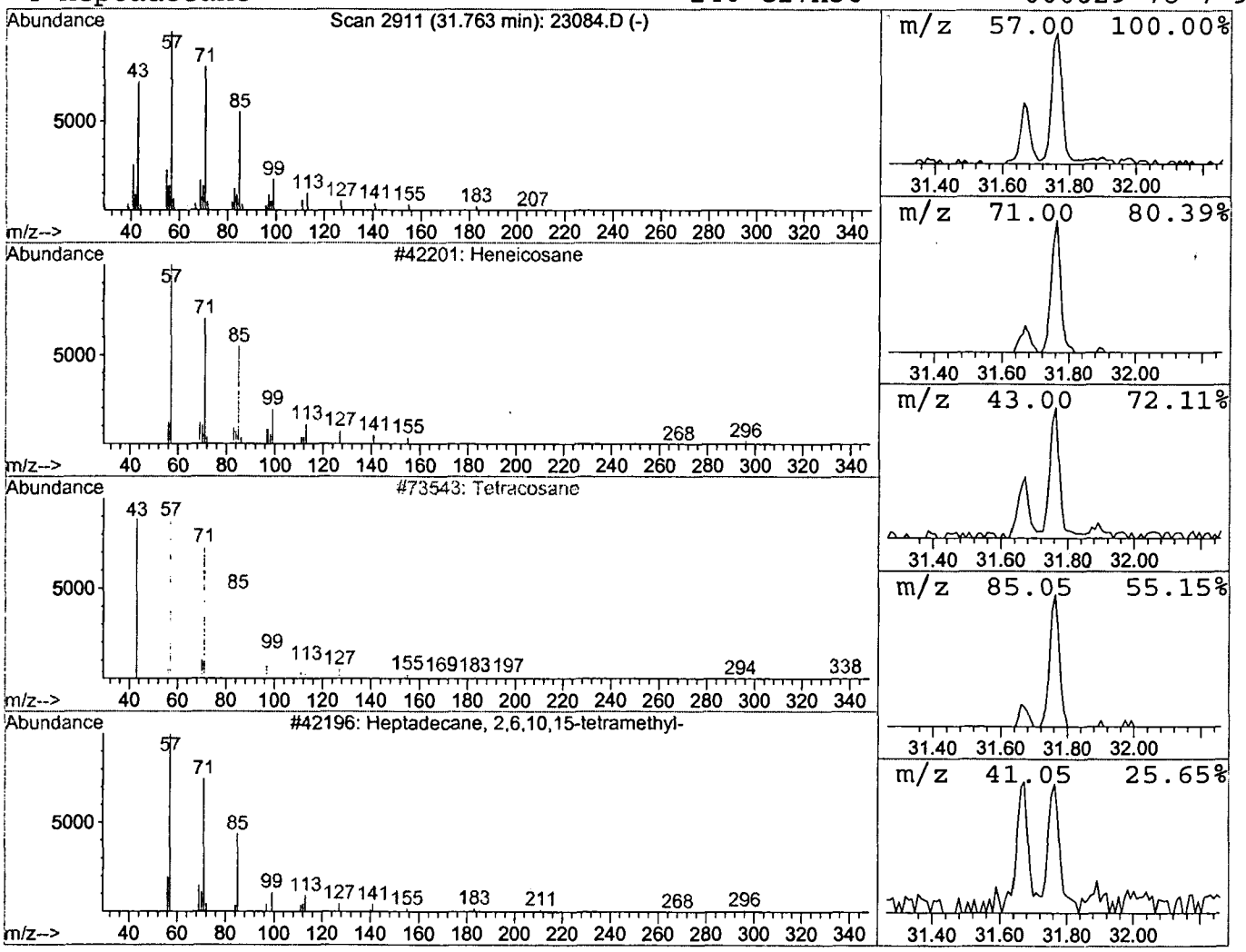
Peak Number 4 Heneicosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.76	0.41 ug/l	65683	Chrysene-d12	33.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Tetracosane	338	C24H50	000646-31-1	91
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	90
4	Heptadecane	240	C17H36	000629-78-7	90



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\OCT0401\23084.D
Acq On : 4 Oct 2001 6:27 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

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

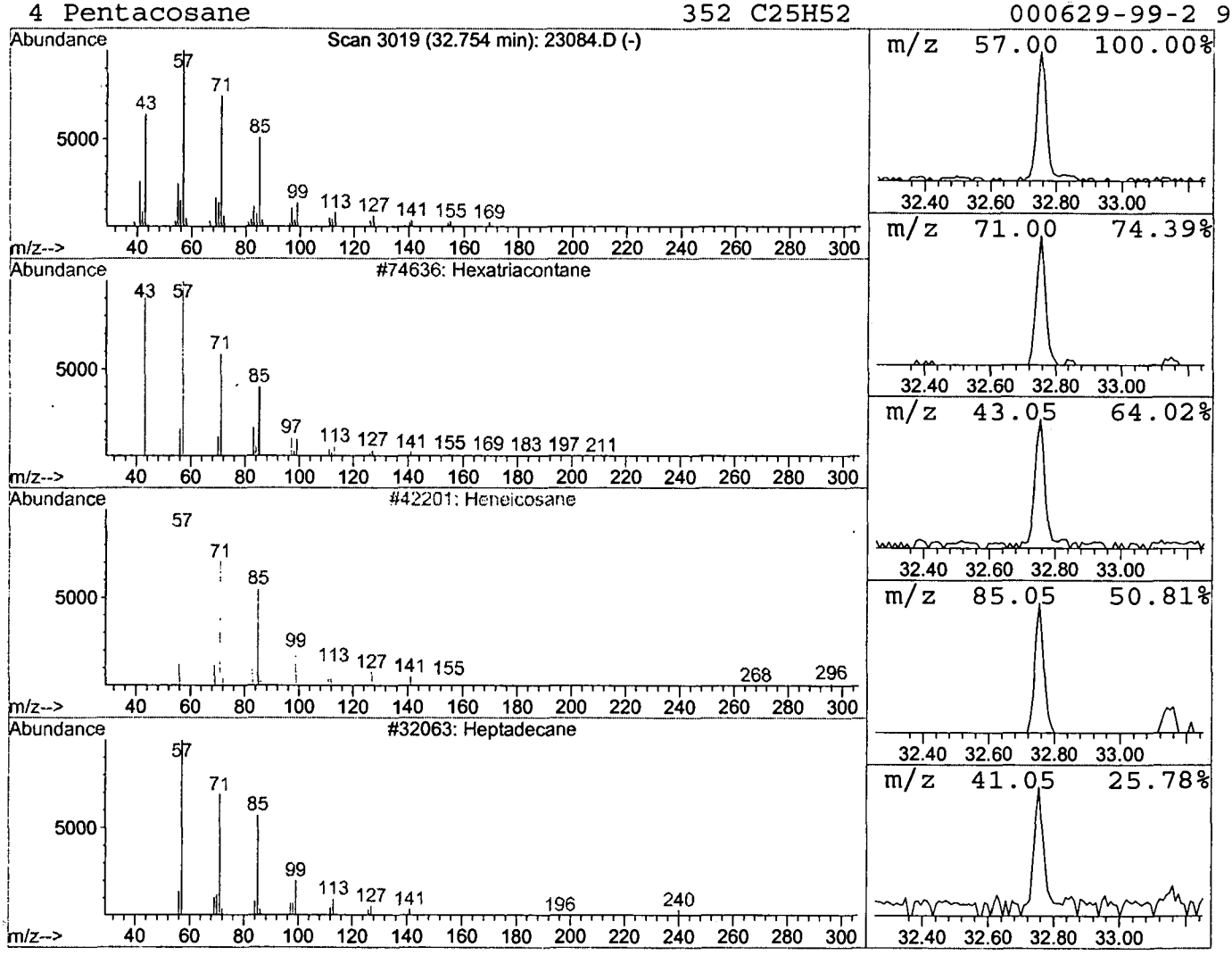
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 5 Hexatriacontane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
32.75	0.42 ug/l	67068	Chrysene-d12	33.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexatriacontane	507	C36H74	000630-06-8	91
2	Heneicosane	296	C21H44	000629-94-7	91
3	Heptadecane	240	C17H36	000629-78-7	91
4	Pentacosane	352	C25H52	000629-99-2	91



Library Search Compound Report

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Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

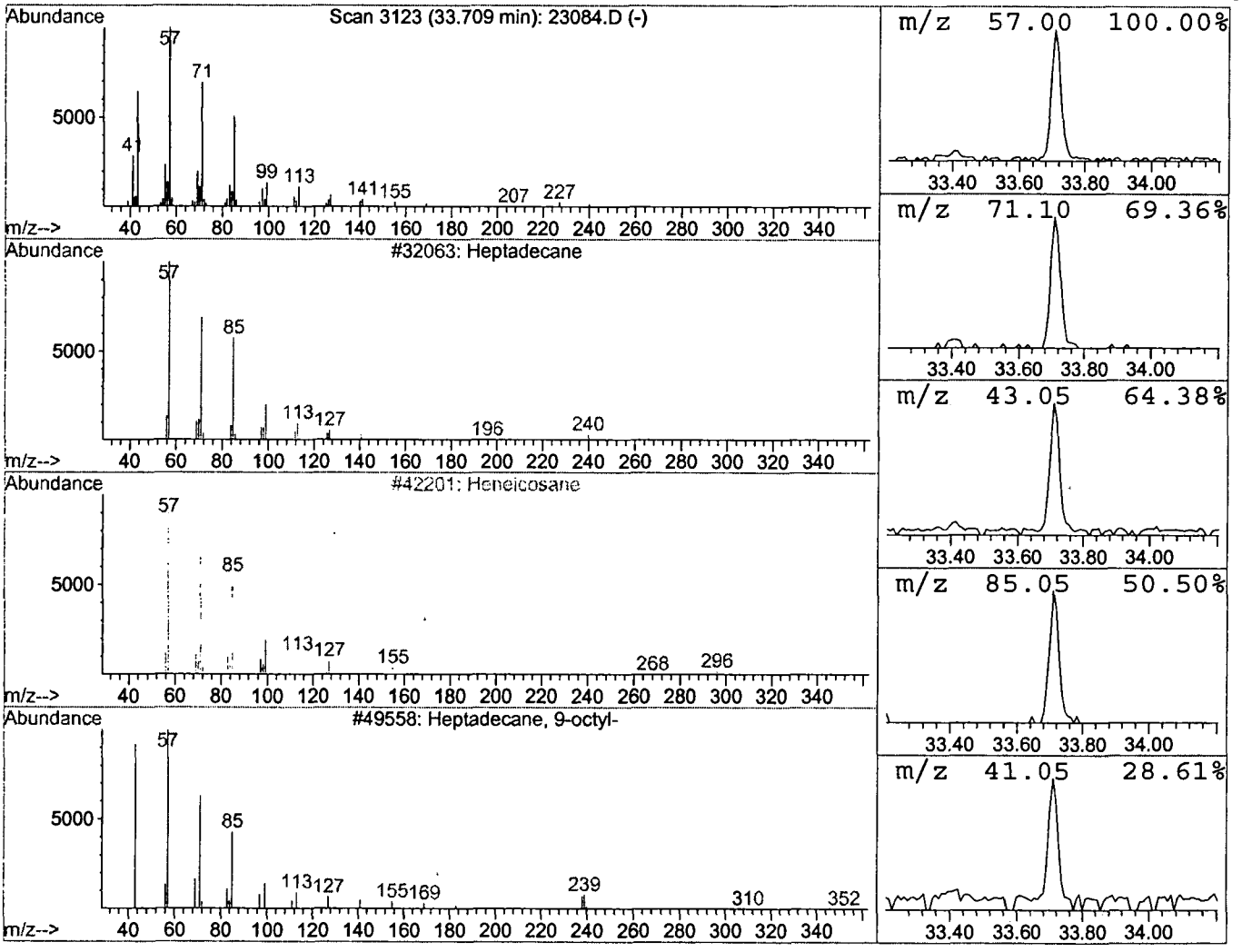
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 6 Heptadecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
33.71	0.55 ug/l	88908	Chrysene-d12	33.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	95
2	Heneicosane	296	C21H44	000629-94-7	91
3	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
4	Nonacosane	408	C29H60	000630-03-5	91



Library Search Compound Report

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Acq On : 4 Oct 2001 6:27 pm Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
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MS Integration Params: LSCINT.P

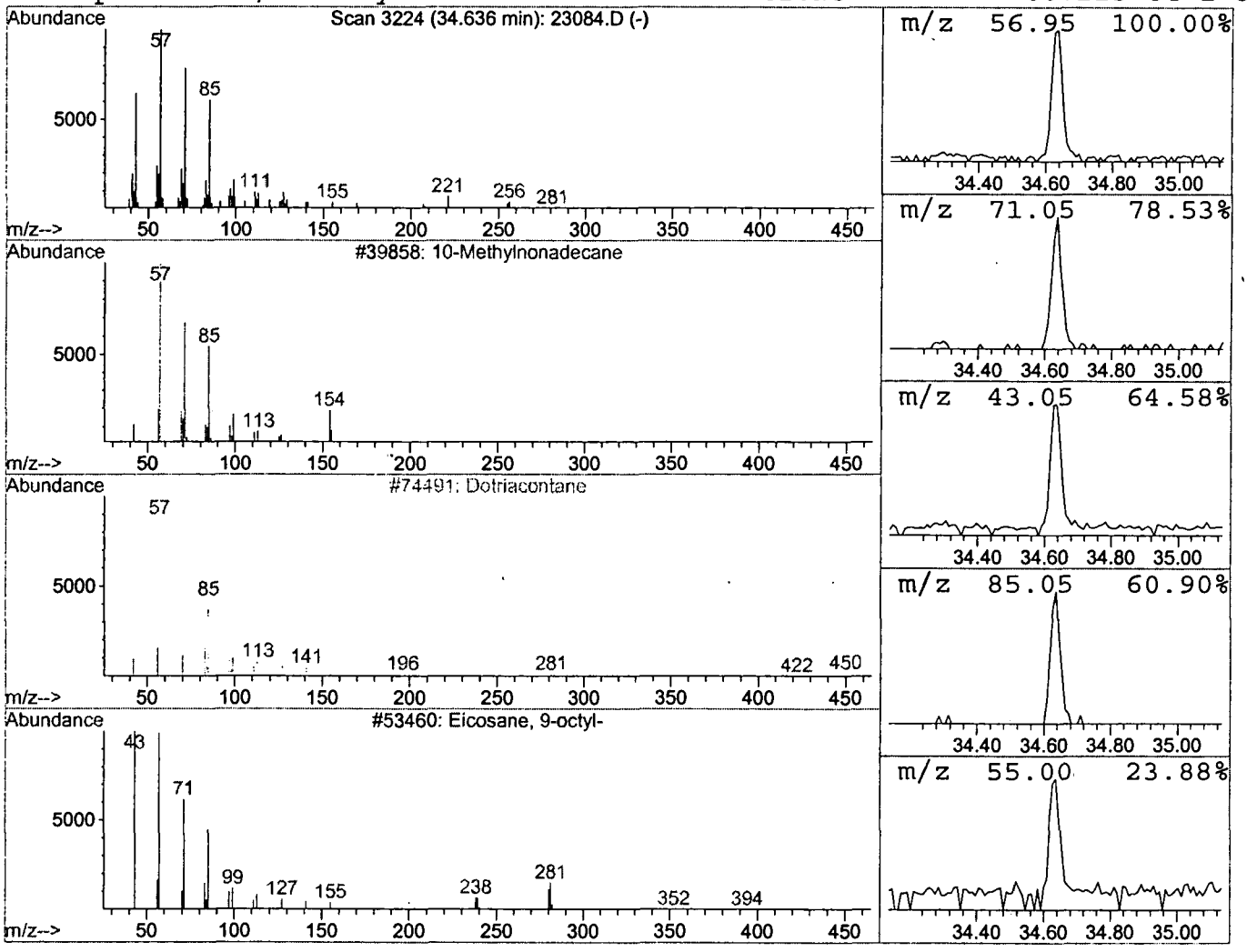
Quant Method : C:\HPCHEM\1\METHODS\NP091101.M (RTE Integrator)
Title : 209 625/TCLP calibration table 7/16/01
Library : C:\DATABASE\NBS75K.L

****

Peak Number 7 10-Methylnonadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
34.64	0.41 ug/l	66129	Chrysene-d12	33.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Methylnonadecane	282	C20H42	000000-00-0	90
2	Dotriacontane	451	C32H66	000544-85-4	90
3	Eicosane, 9-octyl-	394	C28H58	013475-77-9	90
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	86



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 4 Oct 2001 6:27 pm
Data File: C:\HPCHEM\1\DATA\OCT0401\23084.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	6.49	0.6	ug/l	89822	ISTD01	11.79	2784100	20.0
1,4-Dichlorobenzene-	11.64	0.5	ug/l	73630	ISTD01	11.79	2784100	20.0
1,3-Hexanediol, 2-et	29.53	0.5	ug/l	81020	ISTD05	33.16	3227000	20.0
Heneicosane	31.76	0.4	ug/l	65683	ISTD05	33.16	3227000	20.0
Hexatriacontane	32.75	0.4	ug/l	67068	ISTD05	33.16	3227000	20.0
Heptadecane	33.71	0.6	ug/l	88908	ISTD05	33.16	3227000	20.0
10-Methylnonadecane	34.64	0.4	ug/l	66129	ISTD05	33.16	3227000	20.0

23084.D NP091101.M Tue Oct 09 12:29:51 2001

Comments for Sample AD23084 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 10-12-2001 Time: 09:54:06

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.