User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 11/06/2001 Time: 12:14:30

Sample: AD24217
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 11/6/01 12:14 Ended: 11/6/01 12:14 Analyst: MG
Page: 1

	Component Name	Vol	Result
1	Other unknown compounds		see comment

Comments for Sample AD24217 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Galos, Marie
Date: 11-06-2001 Time: 12:14:56

A scan of the extract prepared for the 508 analysis, from 35-550 amu using a mass spectrometer, does not reveal the presence of non-target compounds.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV0101\24217.D Vial: 4
Acq On : 1 Nov 2001 5:57 pm Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 6 11:32 2001 Quant Results File: NP101901.RES

Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Tue Oct 23 10:12:13 2001
Response via : Initial Calibration
DataAcq Meth : NP101901

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.71	152	510420	20.00 ug/l	-0.01
19) Naphthalene-d8	15.32	136	2007680m	20.00 ug/l	-0.01
31) Acenaphthene-d10	20.60	164	953407	20.00 ug/l	-0.01
49) Phenanthrene-d10	25.01	188	1414786	20.00 ug/l	-0.02
59) Chrysene-d12	33.06	240	977837	20.00 ug/l	-0.01
68) Perylene-d12	37.15	264	706219	20.00 ug/l	-0.01
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	11.71	132	273	0.01 ug/l	0.47
Spiked Amount 75.000			Recovery =	0.01%	
7) 1,2-Dichlorobenzene-d4	12.24	152	5745	0.30 ug/l	-0.01
Spiked Amount 50.000			Recovery =	0.60%	
20) Nitrobenzene-d5	0.00	82	0	0.00 ug/l	
Spiked Amount 50.000			Recovery =	0.00%	
32) 2-Fluorobiphenyl	18.74	172	2056	0.04 ug/l	0.12
Spiked Amount 50.000			Recovery =	0.08%	
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	12.59	108	106	N.D.	
15) 2,2'-oxybis(1-Chloropropan	0.00	45	0	N.D.	
16) 3&4-Methylphenol	12.70	108	187	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 (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV0101\24217.D Vial: 4
Acq On : 1 Nov 2001 5:57 pm Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 6 11:32 2001 Quant Results File: NP101901.RES

Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Tue Oct 23 10:12:13 2001
Response via : Initial Calibration
DataAcq Meth : NP101901

	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	15.37	128	198	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	20.19	163	865	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	22.10	149	341	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	25.01	178	380	N.D.	
56)	Anthracene	25.01	178	380	N.D.	
57)	Di-n-butylphthalate	27.03	149	8261	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	0.00	149	0	N.D.	
65)	Benzo(a)anthracene	33.06	228	2523	N.D.	
66)	Bis(2-ethylhexyl)phthalate	33.33	149	1448	N.D.	
67)	Chrysene	33.06	228	2523	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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV0101\24217.D Vial: 4
Acq On : 1 Nov 2001 5:57 pm Operator: 209 GALOS
Sample : gc/ms unknown Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 6 11:32 2001 Quant Results File: NP101901.RES

Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Tue Oct 23 10:12:13 2001
Response via : Initial Calibration
DataAcq Meth : NP101901

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
71)	Benzo(k)fluoranthene	0.00	252	0	N.D.		
72)	Benzo(a)pyrene	37.15	252	2714	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.		

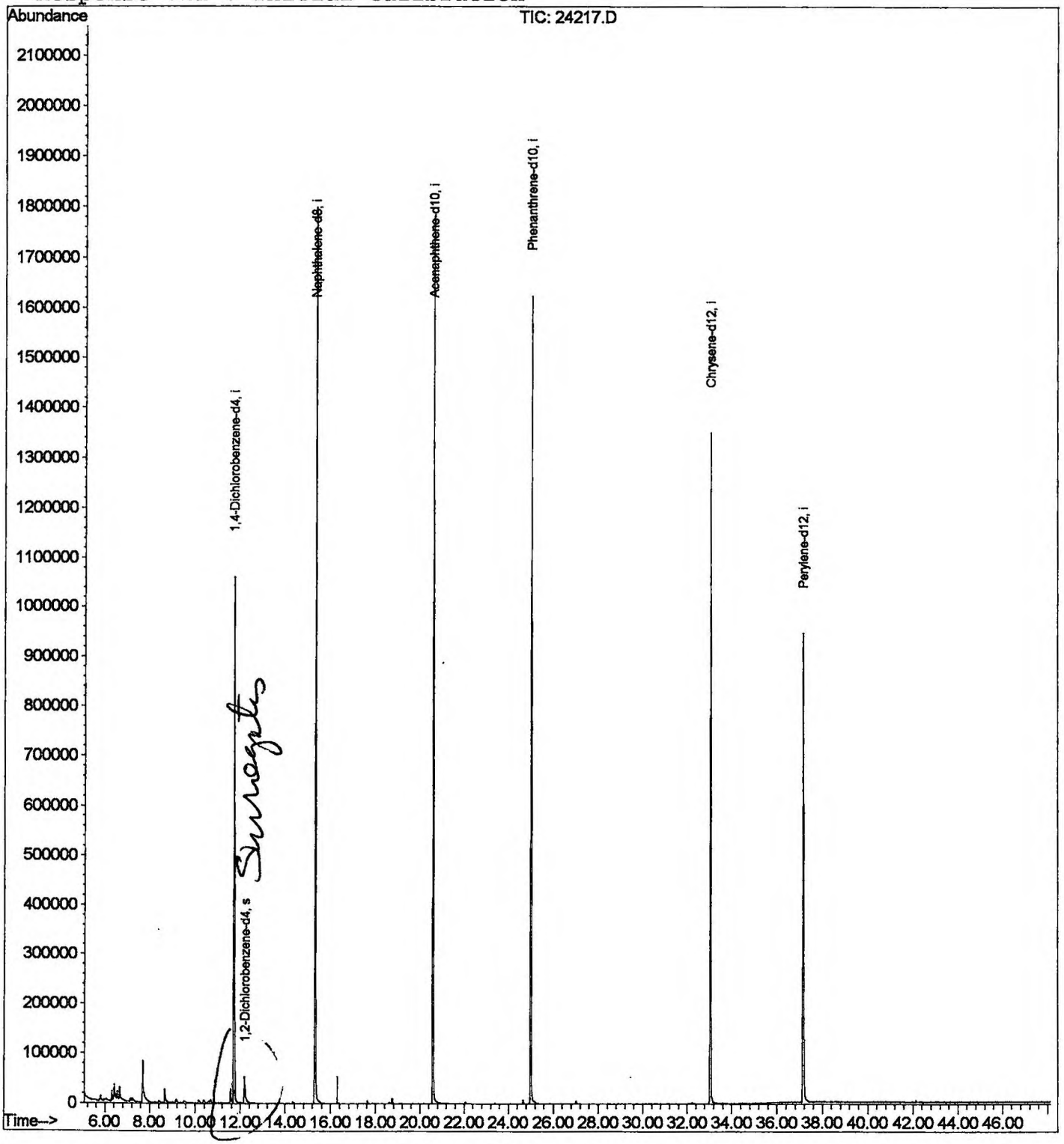
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\NOV0101\24217.D
Acq On : 1 Nov 2001 5:57 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 6 11:32 2001

Vial: 4
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00
Quant Results File: NP101901.RES

Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Nov 02 16:41:16 2001
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\NOV0101\24217.D Vial: 4
Acq On : 1 Nov 2001 5:57 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\NP103001.M (RTE Integrator)
Title : 209 625/TCLP calibration table
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

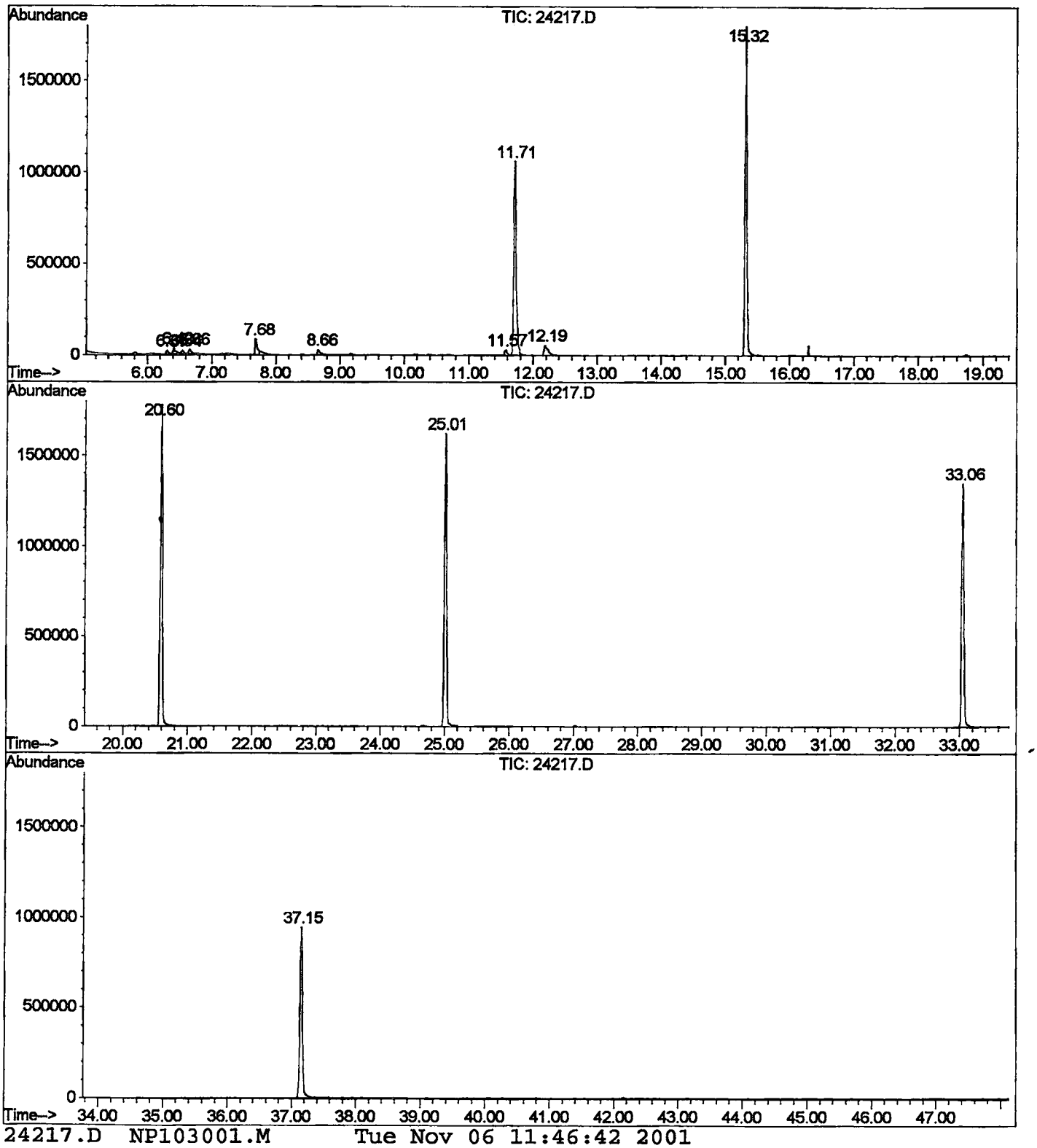
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total	
1	6.314	134	138	144	rBV	20758	46111	1.21%	0.226%	
2	6.415	146	149	160	rVV	32698	96270	2.52%	0.471%	
3	6.544	160	163	172	rVV	18145	49777	1.30%	0.244%	
4	6.663	172	176	187	rVB	24654	57577	1.51%	0.282%	
5	7.682	284	287	293	rBV	83396	206015	5.39%	1.008%	
6	8.664	390	394	406	rBV	27005	73009	1.91%	0.357%	bad match butanamide
7	11.575	707	711	720	rVB2	29678	77694	2.03%	0.380%	
8	11.712	720	726	746	rBV	1059682	2716692	71.13%	13.291%	
9	12.190	773	778	794	rBV2	55000	225292	5.90%	1.102%	
10	15.320	1113	1119	1135	rBV	1797886	3706052	97.04%	18.132%	
11	20.599	1687	1694	1705	rBV	1778974	3819107	100.00%	18.685%	
12	25.015	2169	2175	2188	rBV2	1622604	3636494	95.22%	17.792%	
13	33.057	3044	3051	3062	rBV2	1348469	3117721	81.63%	15.253%	
14	37.151	3489	3497	3515	rBV2	942360	2611678	68.38%	12.778%	

Sum of corrected areas: 20439489

24217.D NP103001.M Tue Nov 06 11:46:39 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\NOV0101\24217.D
Operator : 209 GALOS
Acquired : 1 Nov 2001 5:57 pm using AcqMethod NP101901
Instrument : GC/MS 209
Sample Name: gc/ms unknown
Misc Info :
Vial Number: 4
Quant File :NP101901.RES (RTE Integrator)



24217.D NP103001.M Tue Nov 06 11:46:42 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV0101\24217.D
Acq On : 1 Nov 2001 5:57 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

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

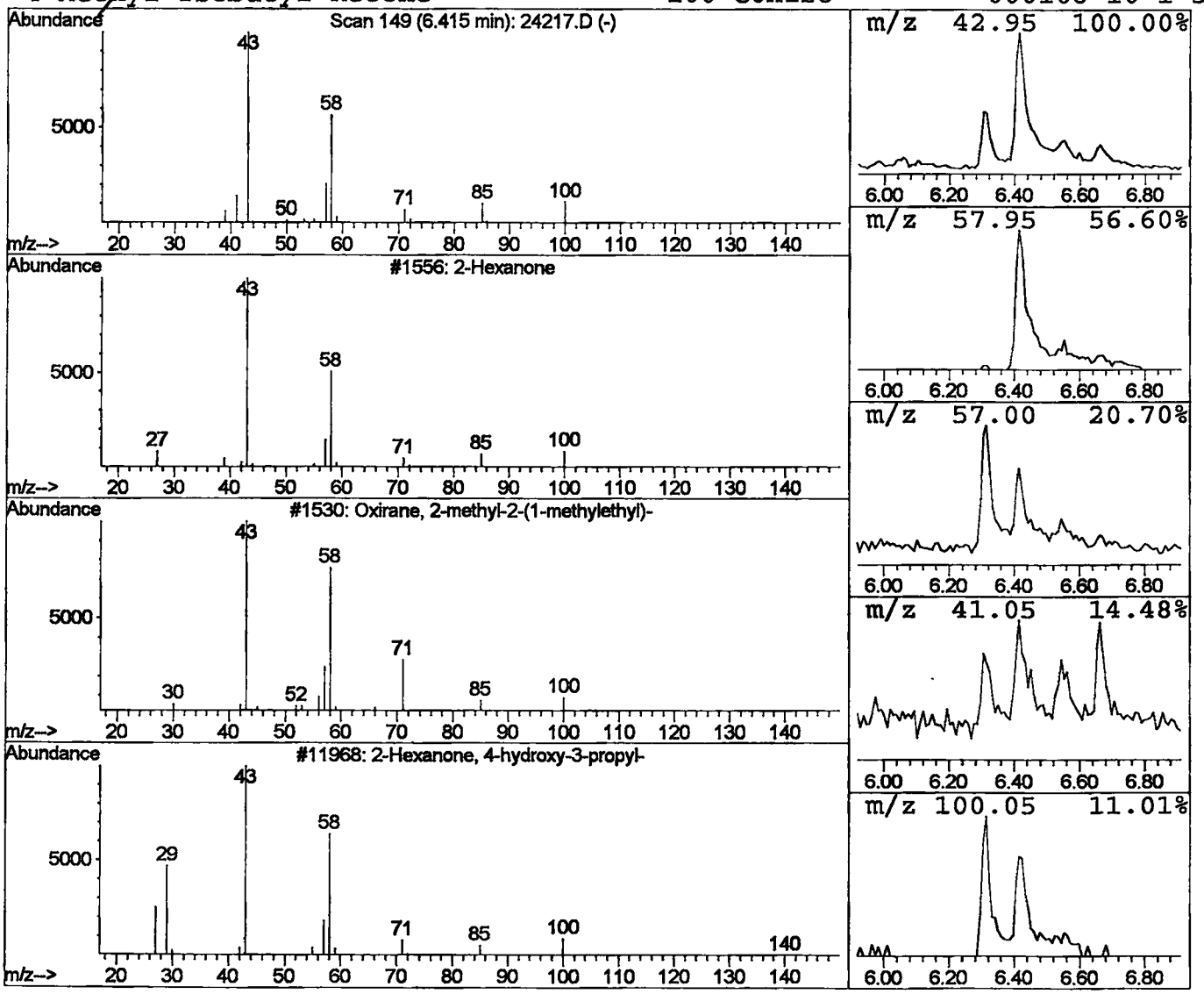
Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 2-Hexanone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.42	0.71 ug/l	96270	1,4-Dichlorobenzene-d4	11.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanone	100	C6H12O	000591-78-6	90
2	Oxirane, 2-methyl-2-(1-methylethyl)	100	C6H12O	072221-03-5	56
3	2-Hexanone, 4-hydroxy-3-propyl-	158	C9H18O2	062338-17-4	56
4	Methyl Isobutyl Ketone	100	C6H12O	000108-10-1	53



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV0101\24217.D
Acq On : 1 Nov 2001 5:57 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

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

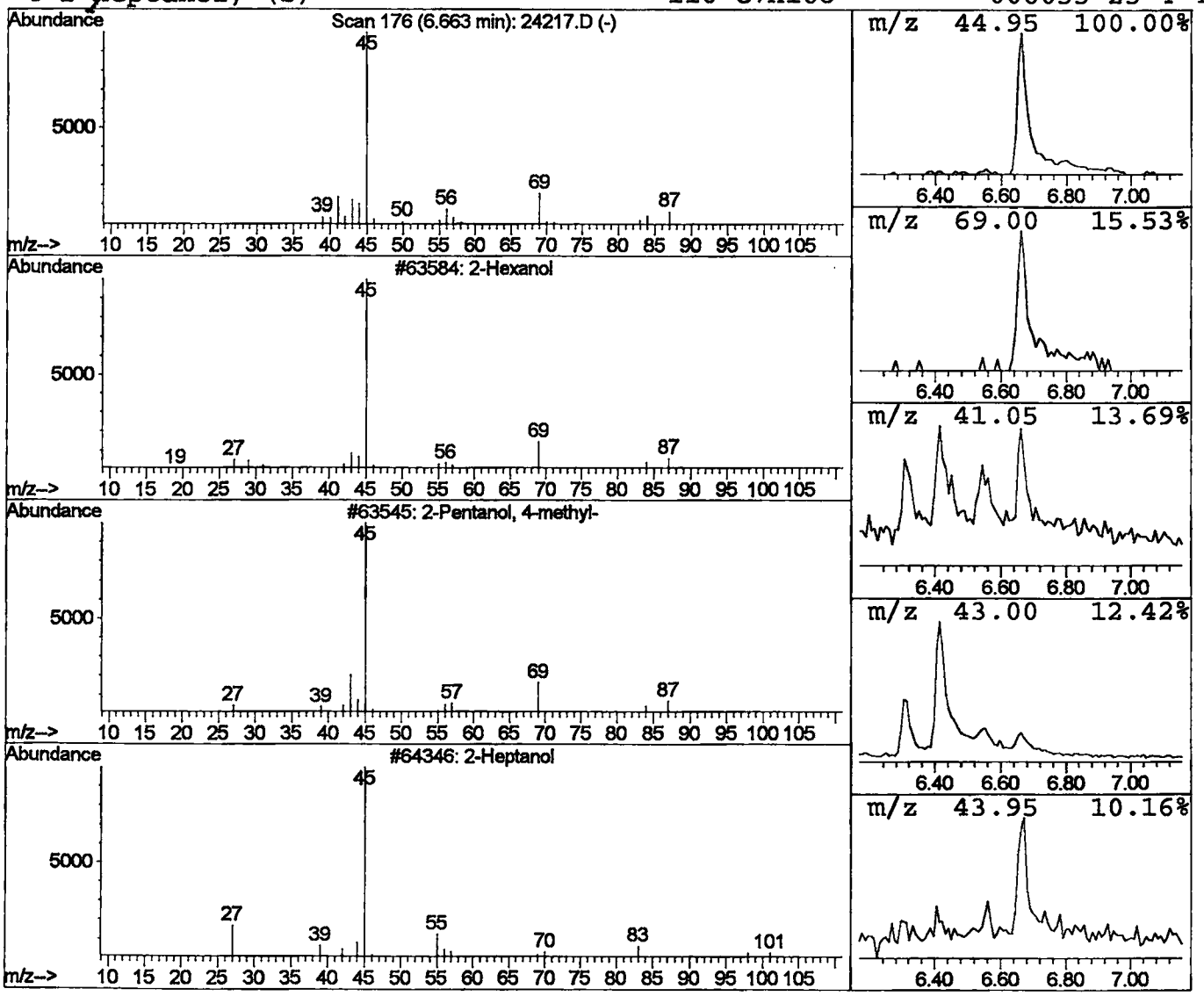
Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 2-Hexanol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	0.42 ug/l	57577	1,4-Dichlorobenzene-d4	11.71

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-Heptanol	116	C7H16O	000543-49-7	40
4	2-Heptanol, (S)-	116	C7H16O	006033-23-4	40



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV0101\24217.D
Acq On : 1 Nov 2001 5:57 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

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

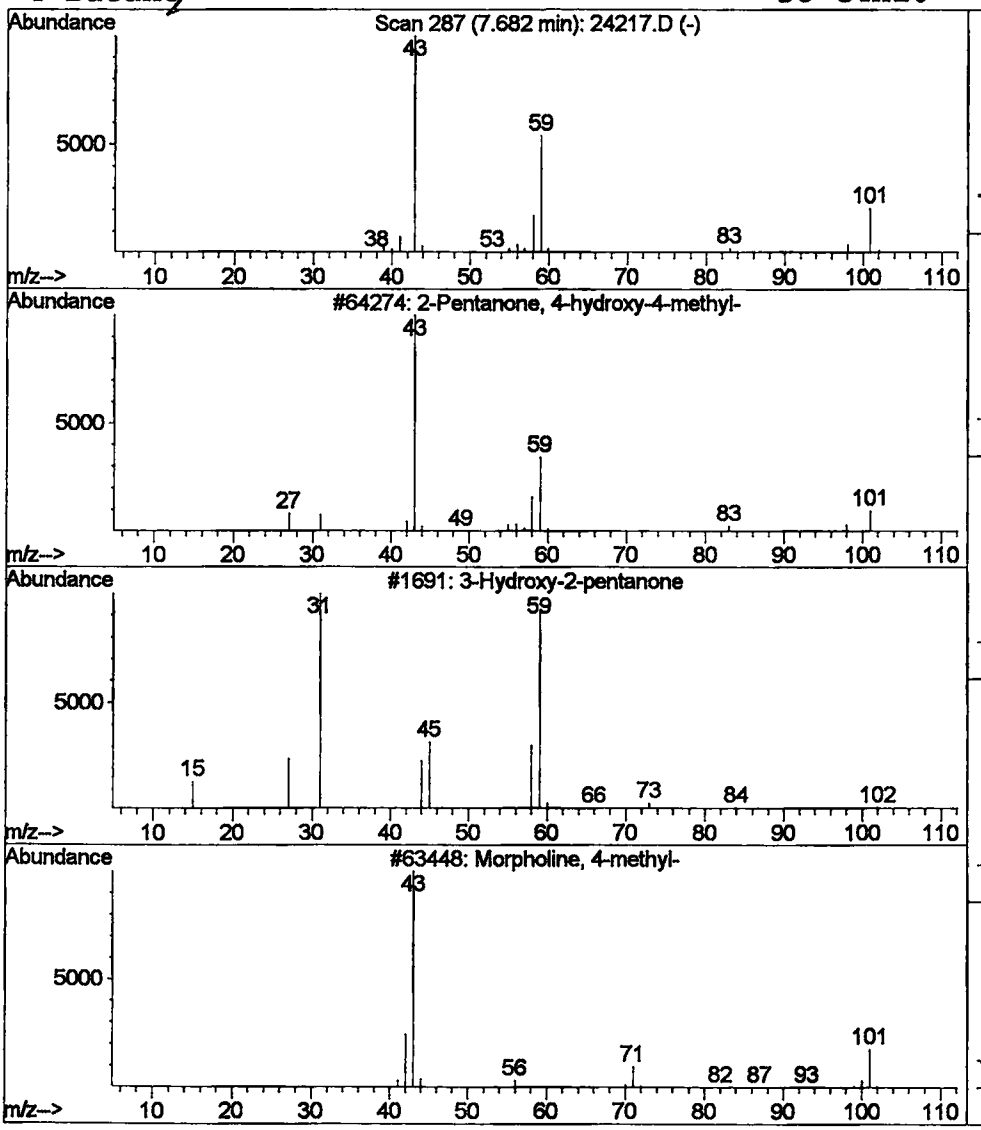
Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 2-Pentanone, 4-hydroxy-4-methy Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.68	1.52 ug/l	206015	1,4-Dichlorobenzene-d4	11.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	33
2	3-Hydroxy-2-pentanone	102	C5H10O2	003142-66-3	9
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	Butane	58	C4H10	000106-97-8	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV0101\24217.D
Acq On : 1 Nov 2001 5:57 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

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

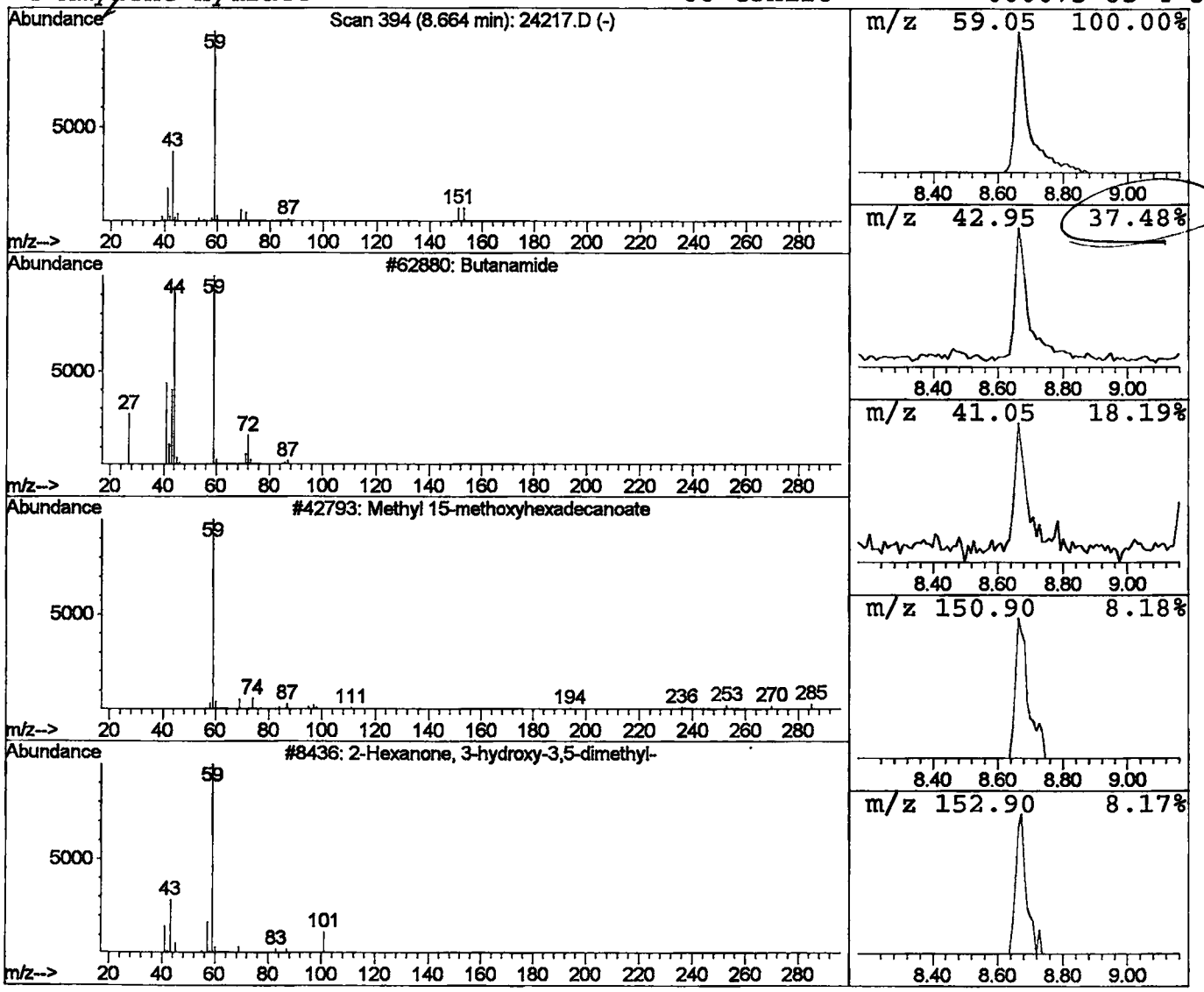
Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 Butanamide — Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.66	0.54 ug/l	73009	1,4-Dichlorobenzene-d4	11.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanamide	87	C4H9NO	000541-35-5	64
2	Methyl 15-methoxyhexadecanoate	300	C18H36O3	000000-00-0	39
3	2-Hexanone, 3-hydroxy-3,5-dimethyl-	144	C8H16O2	006321-14-8	39
4	Amylene Hydrate	88	C5H12O	000075-85-4	39



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV0101\24217.D
Acq On : 1 Nov 2001 5:57 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

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

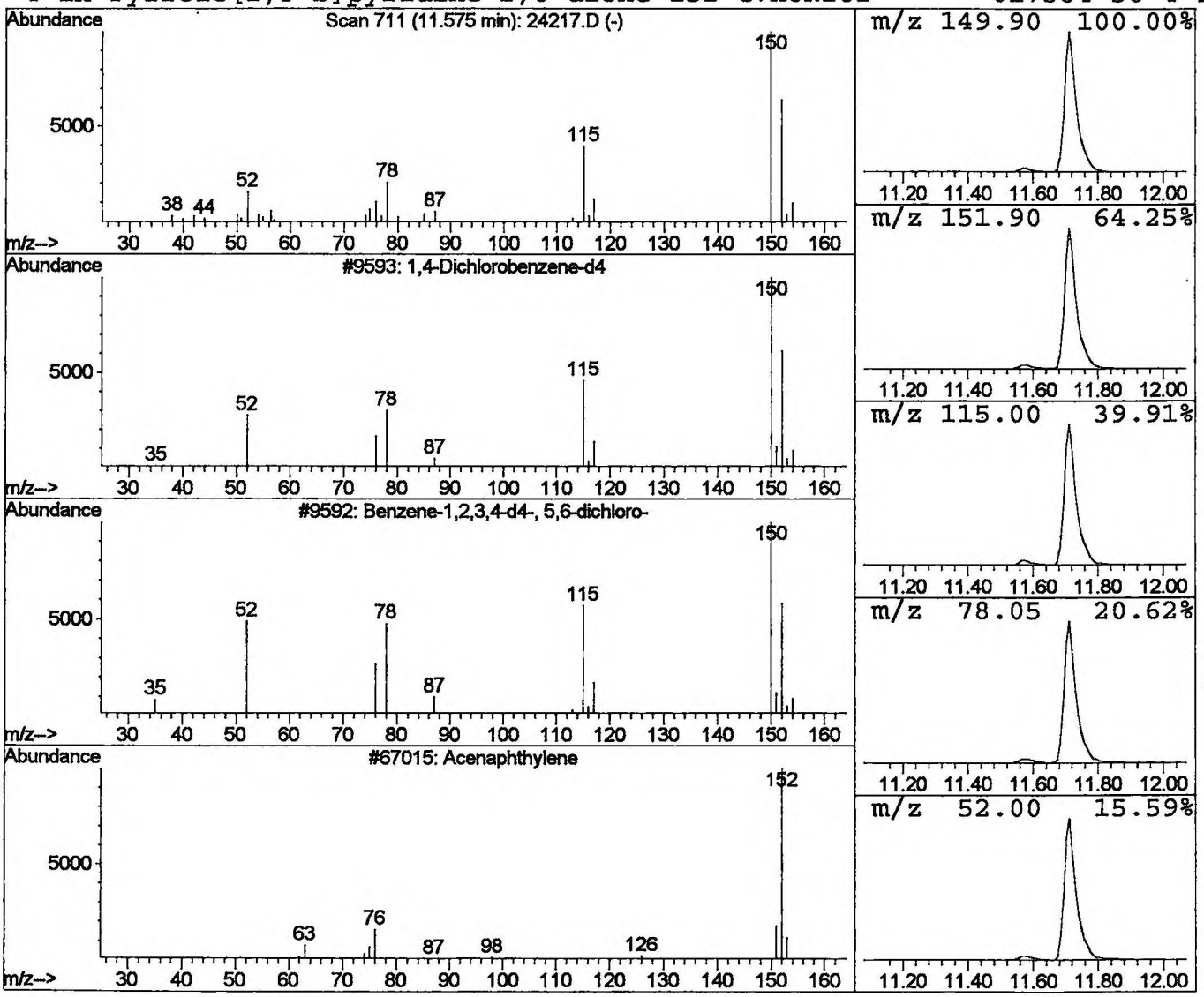
Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 5 1,4-Dichlorobenzene-d4 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	0.57 ug/l	77694	1,4-Dichlorobenzene-d4	11.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dichlorobenzene-d4	150	C6Cl2D4	003855-82-1	47
2	Benzene-1,2,3,4-d4-, 5,6-dichloro-	150	C6Cl2D4	002199-69-1	12
3	Acenaphthylene	152	C12H8	000208-96-8	9
4	1H-Pyrrolo[2,3-b]pyridine-2,6-dione	152	C7H8N2O2	017384-56-4	9



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 1 Nov 2001 5:57 pm
Data File: C:\HPCHEM\1\DATA\NOV0101\24217.D
Name: gc/ms unknown
Misc:
Method: C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title: 209 625/TCLP calibration table
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
2-Hexanone	6.42	0.7	ug/l	96270	ISTD01	11.71	2716690	20.0
2-Hexanol	6.66	0.4	ug/l	57577	ISTD01	11.71	2716690	20.0
2-Pentanone, 4-hydro	7.68	1.5	ug/l	206015	ISTD01	11.71	2716690	20.0
Butanamide	8.66	0.5	ug/l	73009	ISTD01	11.71	2716690	20.0
1,4-Dichlorobenzene-	11.57	0.6	ug/l	77694	ISTD01	11.71	2716690	20.0

24217.D NP103001.M Tue Nov 06 11:46:55 2001

Comments for Sample AD24217 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 11-07-2001 Time: 14:50:31

A scan of the extract prepared for the 508 analysis, from 35-550 amu using a mass spectrometer, does not reveal the presence of non-target compounds. However, 1,2-Dichlorobenzene-d4 is present at 0.30 ug/L, probably due to laboratory contamination since it is a Surrogate Standard used in GCMS methods.