User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 11/06/2001 Time: 12:19:36

Sample: AD24220
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 11/6/01 12:18 Ended: 11/6/01 12:18 Analyst: MG
Page: 1

	Component Name	Mol	Result
1	Other unknown compounds		see comment

Comments for Sample AD24220 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Galos, Marie
Date: 11-06-2001 Time: 12:19:47

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\24220.D Vial: 7
Acq On : 1 Nov 2001 8:52 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 12:04 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	597905	20.00 ug/l	-0.01
19) Naphthalene-d8	15.32	136	2386824	20.00 ug/l	-0.01
31) Acenaphthene-d10	20.60	164	1152972	20.00 ug/l	-0.01
49) Phenanthrene-d10	25.02	188	1733144m	20.00 ug/l	-0.01
59) Chrysene-d12	33.06	240	1261214	20.00 ug/l	-0.01
68) Perylene-d12	37.16	264	915670	20.00 ug/l	0.00
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	395	0.01 ug/l	0.47
Spiked Amount 75.000			Recovery =	0.01%	
7) 1,2-Dichlorobenzene-d4	12.23	152	6489	0.29 ug/l	-0.01
Spiked Amount 50.000			Recovery =	0.58%	
20) Nitrobenzene-d5	0.00	82	0	0.00 ug/l	
Spiked Amount 50.000			Recovery =	0.00%	
32) 2-Fluorobiphenyl	18.74	172	2338	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	29.93	244	1126	0.02 ug/l	-0.02
Spiked Amount 50.000			Recovery =	0.04%	
Target Compounds					Qvalue
2) Pyridine	5.78	79	501	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 (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV0101\24220.D Vial: 7
Acq On : 1 Nov 2001 8:52 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 12:04 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	849	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	22.12	149	327	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	1007	N.D.	
56)	Anthracene	25.09	178	1007	N.D.	
57)	Di-n-butylphthalate	27.02	149	3289	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	3409	N.D.	
66)	Bis(2-ethylhexyl)phthalate	33.32	149	1800	N.D.	
67)	Chrysene	33.06	228	3409	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\24220.D Vial: 7
Acq On : 1 Nov 2001 8:52 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 12:04 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	37.16	252	3623	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.	

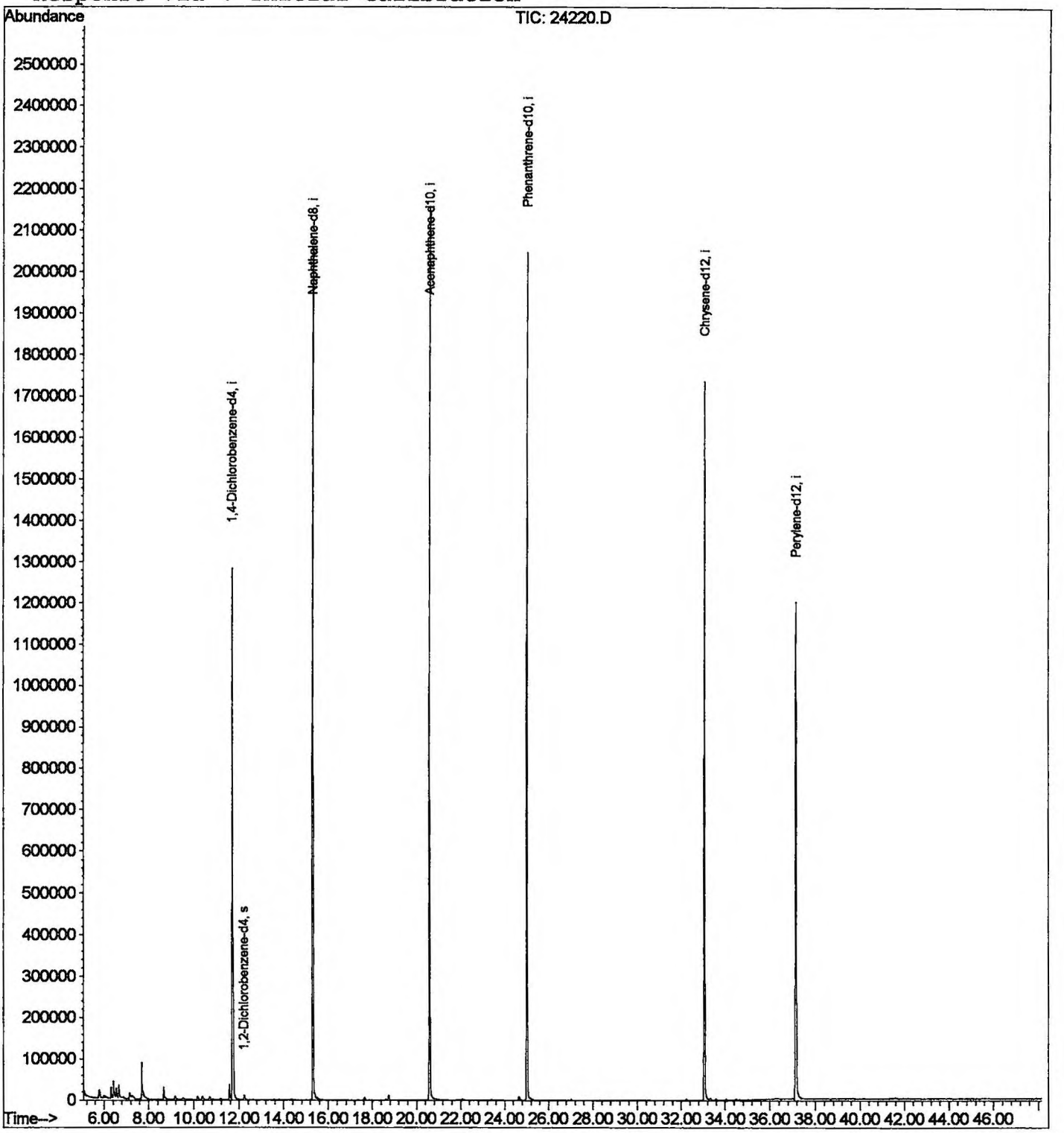
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\NOV0101\24220.D
Acq On : 1 Nov 2001 8:52 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 6 12:04 2001

Vial: 7
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\24220.D Vial: 7
Acq On : 1 Nov 2001 8:52 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

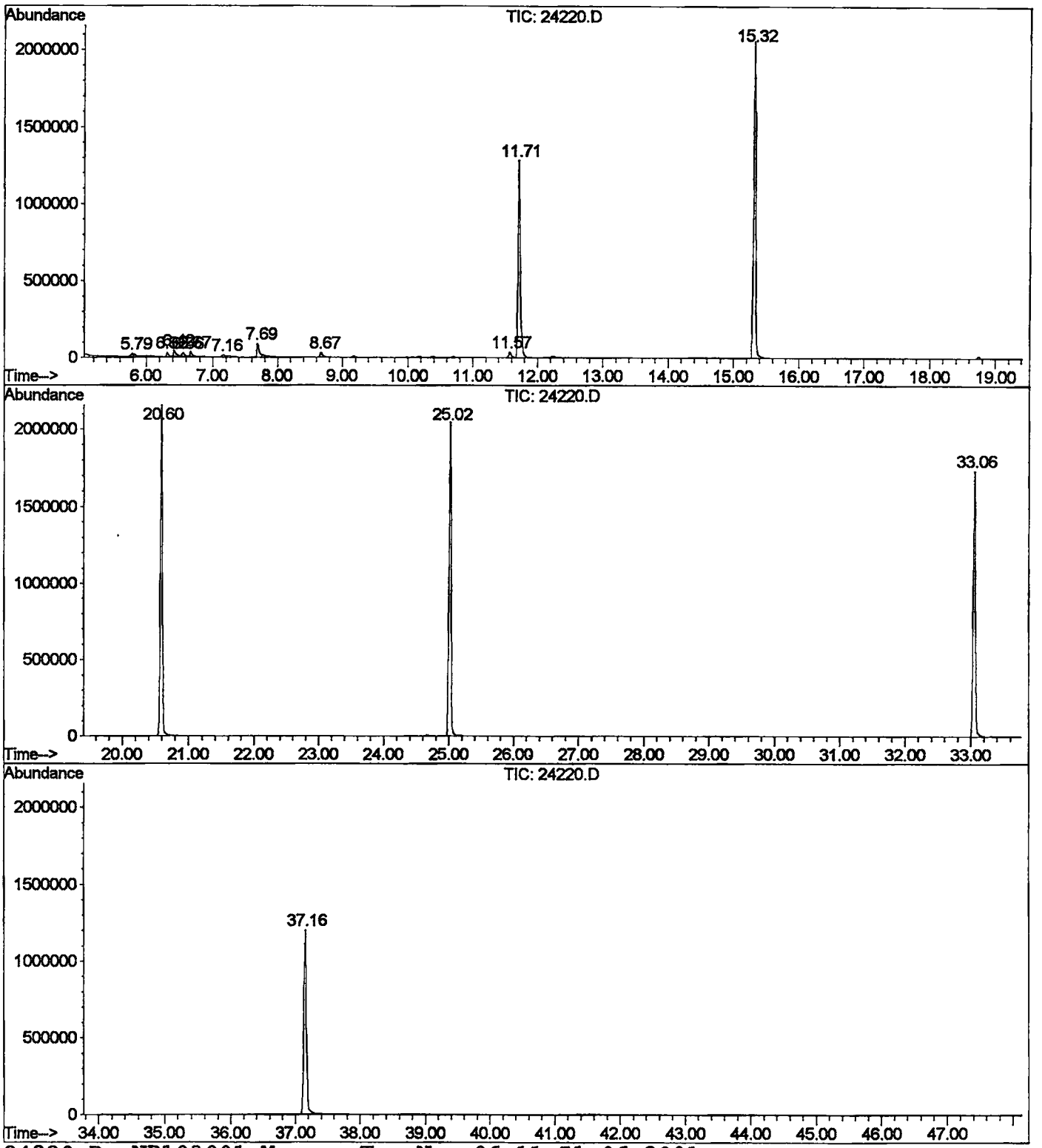
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	5.790	72	81	83	rBV2	19599	51609	1.14%	0.209%
2	6.322	135	139	147	rBV	27714	58363	1.29%	0.237%
3	6.423	147	150	161	rVV2	41370	108146	2.39%	0.438%
4	6.561	161	165	173	rVB	22986	54741	1.21%	0.222%
5	6.671	173	177	184	rBV	30676	66670	1.47%	0.270%
6	7.158	225	230	237	rBV	14641	46864	1.04%	0.190%
7	7.690	285	288	295	rBV	88726	212840	4.70%	0.863%
8	8.673	390	395	416	rBV	31810	92471	2.04%	0.375%
9	11.574	702	711	720	rBV	37853	96393	2.13%	0.391%
10	11.711	720	726	746	rBV	1283362	3146895	69.56%	12.754%
11	15.319	1113	1119	1137	rBV	2058538	4411764	97.52%	17.881%
12	20.598	1687	1694	1717	rBV	2158246	4523728	100.00%	18.334%
13	25.023	2169	2176	2188	rBV	2047229	4383631	96.90%	17.767%
14	33.055	3044	3051	3076	rBV2	1735939	4036393	89.23%	16.359%
15	37.159	3489	3498	3513	rBV2	1199199	3382985	74.78%	13.711%

Sum of corrected areas: 24673493

24220.D NP103001.M Tue Nov 06 11:51:03 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\NOV0101\24220.D
Operator : 209 GALOS
Acquired : 1 Nov 2001 8:52 pm using AcqMethod NP101901
Instrument : GC/MS 209
Sample Name: gc/ms unknown
Misc Info :
Vial Number: 7
Quant File :NP101901.RES (RTE Integrator)



24220.D NP103001.M Tue Nov 06 11:51:06 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV0101\24220.D
Acq On : 1 Nov 2001 8:52 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

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

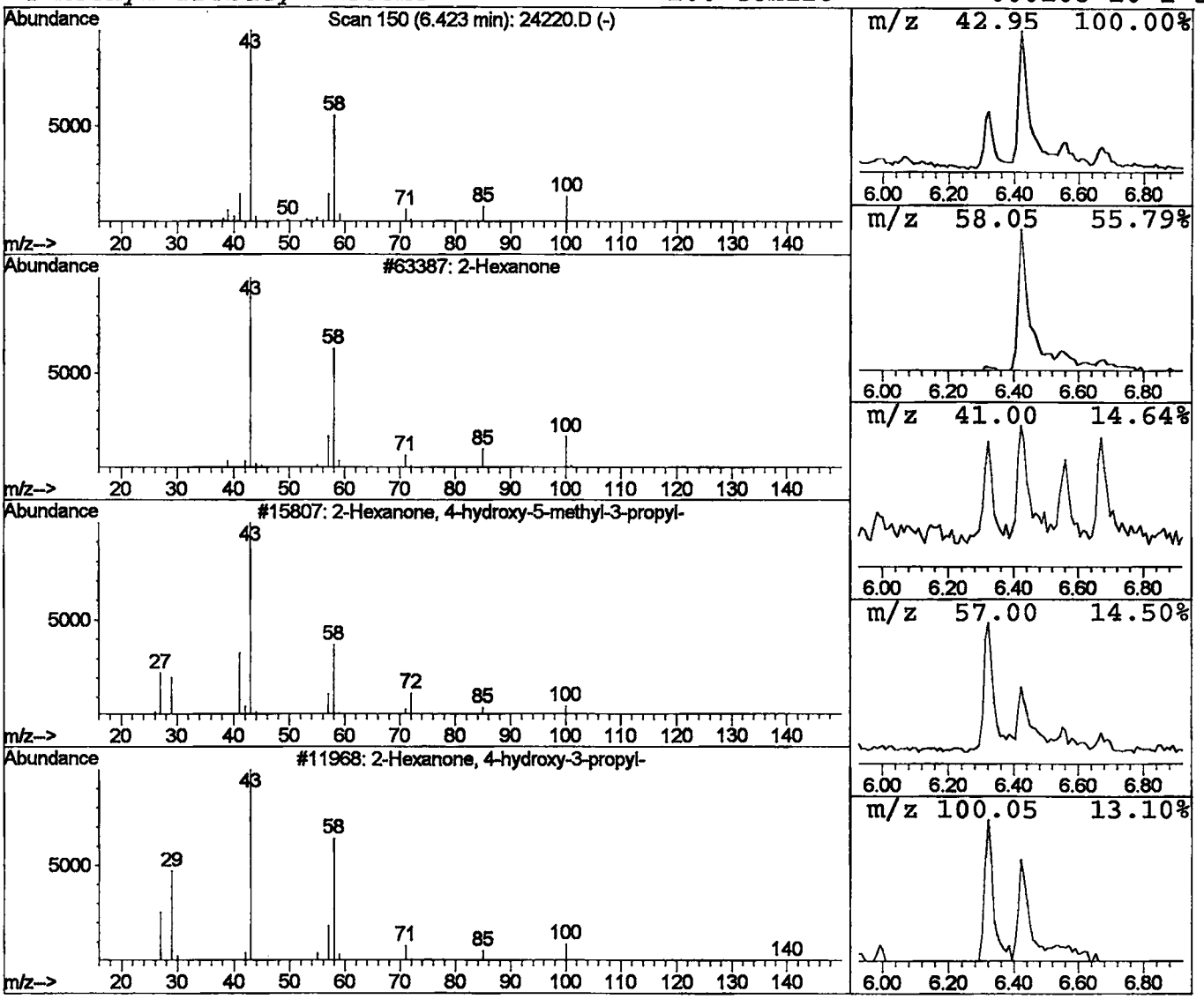
Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 2-Hexanone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.42	0.69 ug/l	108146	1,4-Dichlorobenzene-d4	11.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanone	100	C6H12O	000591-78-6	91
2	2-Hexanone, 4-hydroxy-5-methyl-3-pr	172	C10H20O2	061141-74-0	78
3	2-Hexanone, 4-hydroxy-3-propyl-	158	C9H18O2	062338-17-4	74
4	Methyl Isobutyl Ketone	100	C6H12O	000108-10-1	50



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV0101\24220.D
Acq On : 1 Nov 2001 8:52 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

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

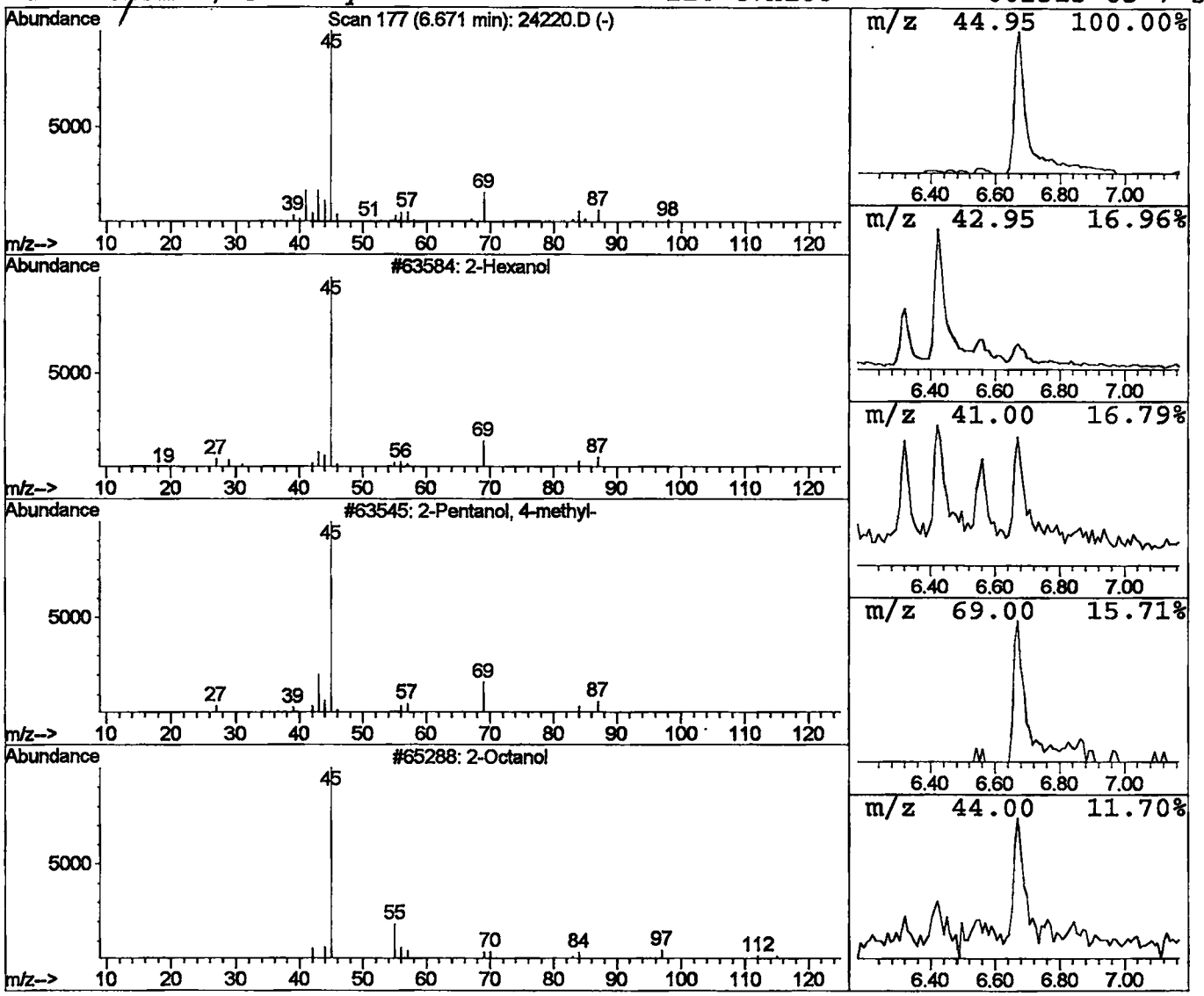
Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 2-Hexanol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.67	0.42 ug/l	66670	1,4-Dichlorobenzene-d4	11.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanol	102	C6H14O	000626-93-7	78
2	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	78
3	2-Octanol	130	C8H18O	000123-96-6	50
4	2-Hexanol, 3-methyl-	116	C7H16O	002313-65-7	39



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV0101\24220.D
Acq On : 1 Nov 2001 8:52 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

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

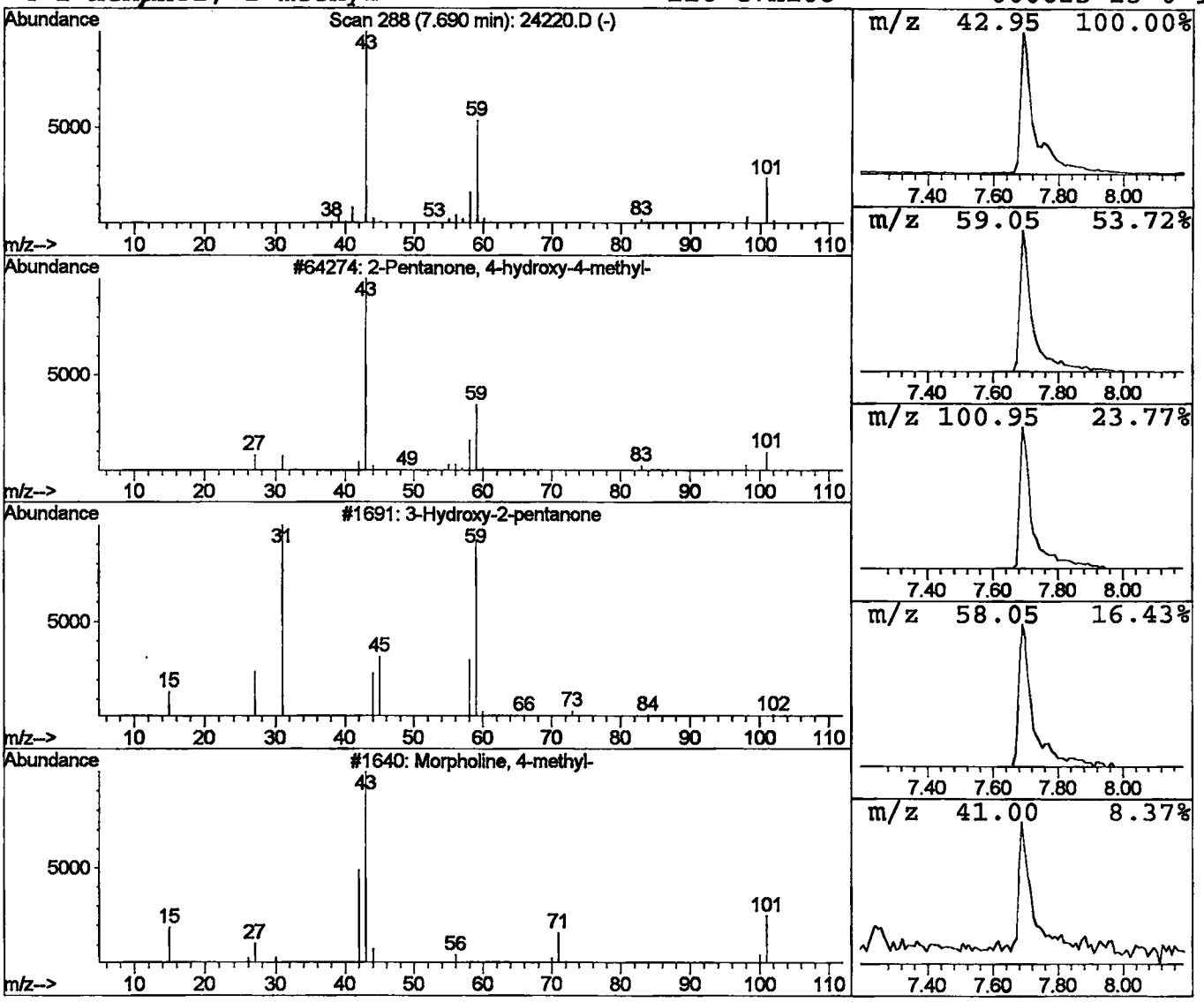
Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.69	1.35 ug/l	212840	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	40
2	3-Hydroxy-2-pentanone	102	C5H10O2	003142-66-3	9
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV0101\24220.D
Acq On : 1 Nov 2001 8:52 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

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

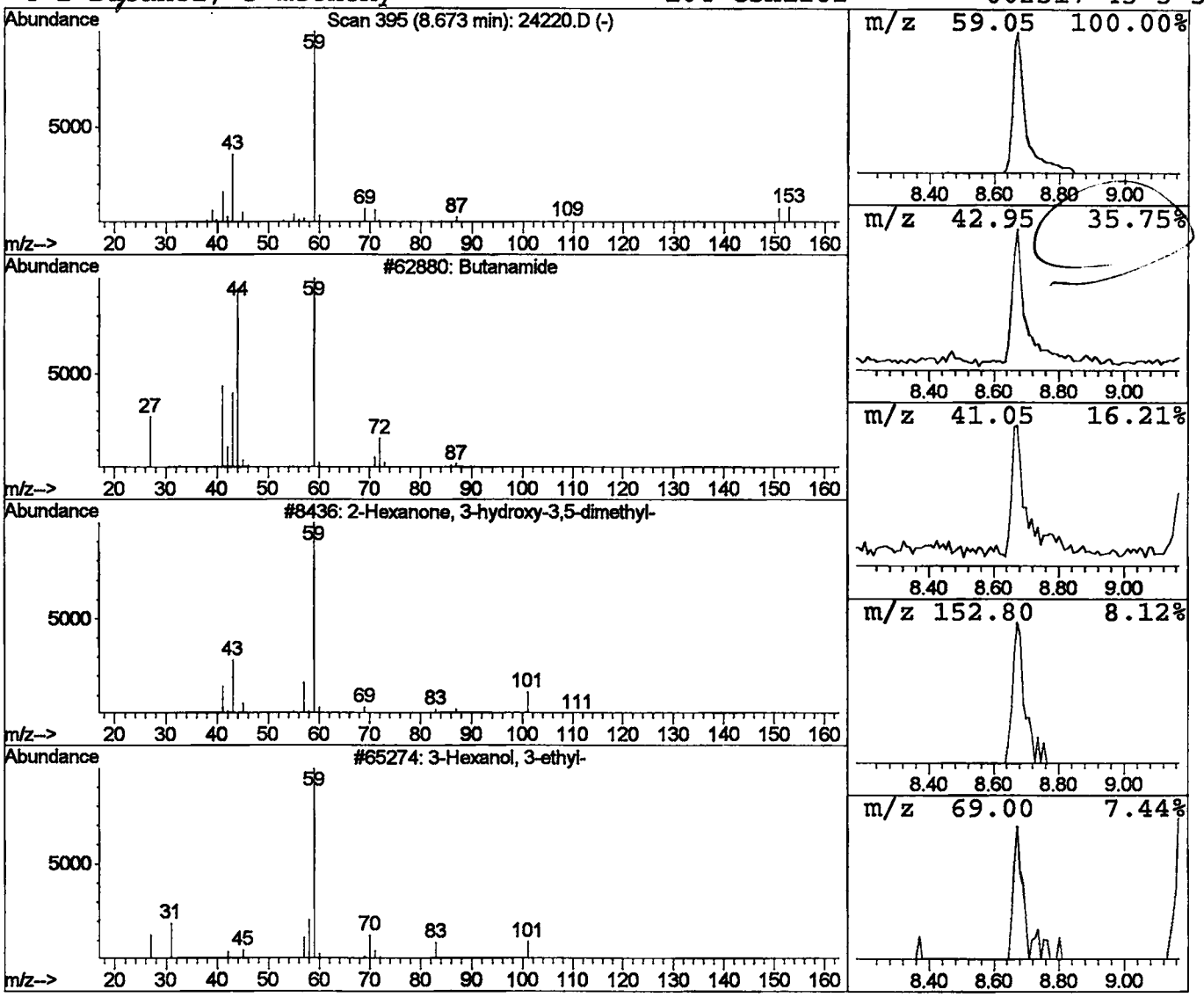
Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 Butanamide — Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.67	0.59 ug/l	92471	1,4-Dichlorobenzene-d4	11.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanamide	87	C4H9NO	000541-35-5	64
2	2-Hexanone, 3-hydroxy-3,5-dimethyl-	144	C8H16O2	006321-14-8	39
3	3-Hexanol, 3-ethyl-	130	C8H18O	000597-76-2	39
4	1-Butanol, 3-methoxy-	104	C5H12O2	002517-43-3	39



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV0101\24220.D
Acq On : 1 Nov 2001 8:52 pm
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

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

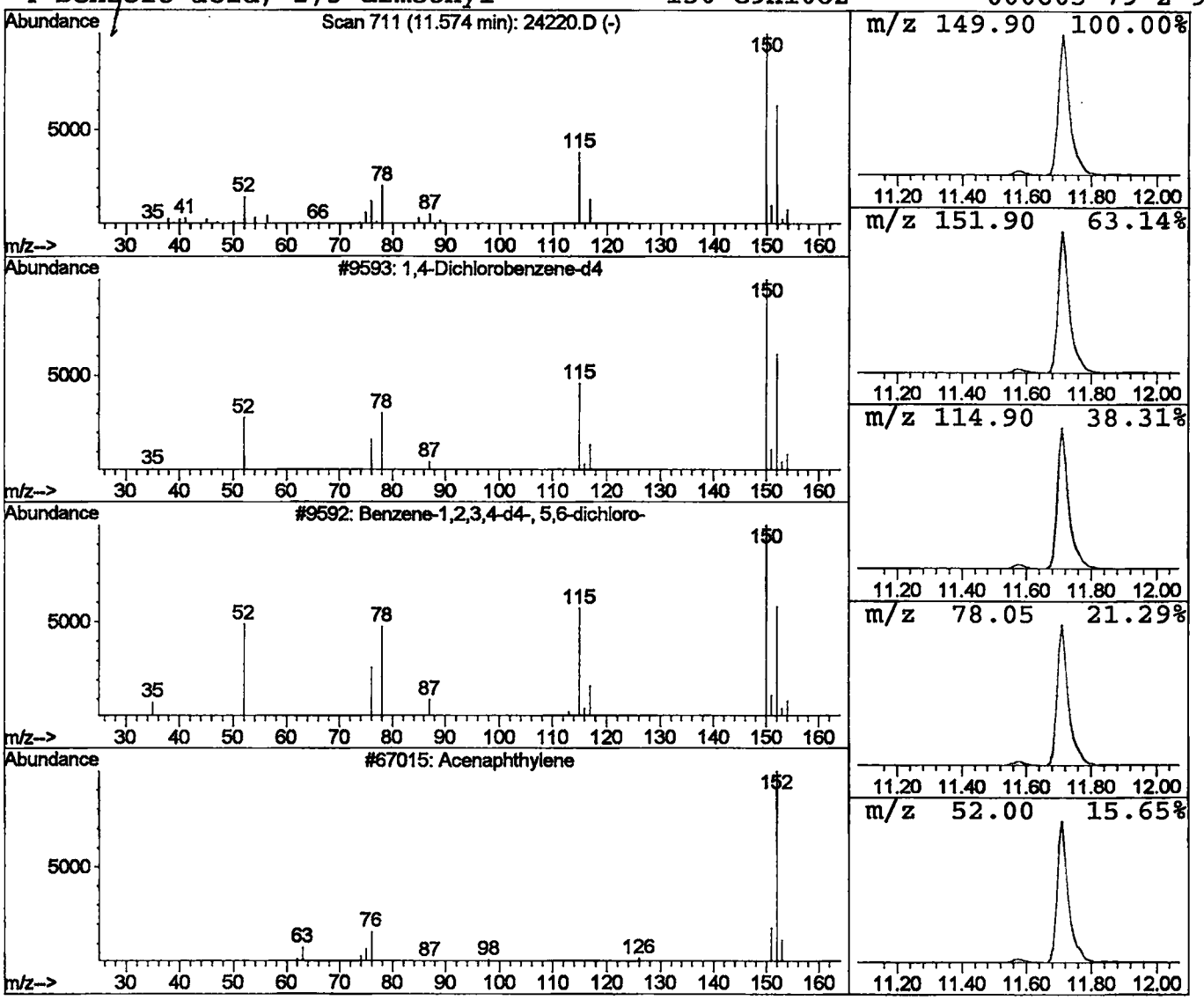
Quant Method : C:\HPCHEM\1\METHODS\NP101901.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	0.61 ug/l	96393	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	94
2	Benzene-1,2,3,4-d4-, 5,6-dichloro-	150	C6Cl2D4	002199-69-1	38
3	Acenaphthylene	152	C12H8	000208-96-8	10
4	Benzoic acid, 2,3-dimethyl-	150	C9H10O2	000603-79-2	9



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 1 Nov 2001 8:52 pm
Data File: C:\HPCHEM\1\DATA\NOV0101\24220.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	108146	ISTD01	11.71	3146900	20.0
2-Hexanol	6.67	0.4	ug/l	66670	ISTD01	11.71	3146900	20.0
2-Pentanone, 4-hydro	7.69	1.4	ug/l	212840	ISTD01	11.71	3146900	20.0
Butanamide	8.67	0.6	ug/l	92471	ISTD01	11.71	3146900	20.0
1,4-Dichlorobenzene-	11.57	0.6	ug/l	96393	ISTD01	11.71	3146900	20.0

24220.D NP103001.M Tue Nov 06 11:51:19 2001

Comments for Sample AD24220 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 11-07-2001 Time: 15:04:20

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 0.29 ug/L, probably due to laboratory contamination since it is a Surrogate Standard used in GCMS methods.