Comments for Sample AD24216 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-07-2001 Time: 15:38:54

A scan of the extract prepared for the 508 analysis, from 35 - 550 amu using a mass spectrometer reveals the presence of the following compounds with estimated levels:
bis(2-Ethylhexyl)phthalate - 0.27 ug/L
Benzo(b)fluoranthene - 0.31 ug/L
Benzo(k)fluoranthene - 0.45 ug/L
Indeno(1,2,3-cd)pyrene - 0.46 ug/L
Dibenz(a,h)anthracene - 0.54
Benzo(g,h,i)perylene - 0.44 ug/L
The Field Blank for this sample shows no contamination and no unusual organic compounds.

A100301 Brome Cal 10/2

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV1601\24216FB.D Vial: 25
Acq On : 17 Nov 2001 2:27 pm Operator: 209 GALOS
Sample : gc/ms unknown field blk Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 15:16 2001 Quant Results File: NP103001.RES

Quant 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
DataAcq Meth : NP103001

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.71	152	675550	20.00	ug/l	0.00
19) Naphthalene-d8	15.32	136	2567271	20.00	ug/l	0.00
31) Acenaphthene-d10	20.59	164	1275614	20.00	ug/l	-0.02
49) Phenanthrene-d10	25.02	188	1875389	20.00	ug/l	-0.02
59) Chrysene-d12	33.05	240	1365873	20.00	ug/l	-0.02
68) Perylene-d12	37.15	264	1005022	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	11.72	132	366	0.01	ug/l	0.49
Spiked Amount 75.000			Recovery =	0.01%		
7) 1,2-Dichlorobenzene-d4	12.24	152	248	0.01	ug/l	0.00
Spiked Amount 50.000			Recovery =	0.02%		
20) Nitrobenzene-d5	0.00	82	0	0.00	ug/l	
Spiked Amount 50.000			Recovery =	0.00%		
32) 2-Fluorobiphenyl	18.76	172	1487	0.02	ug/l	0.14
Spiked Amount 50.000			Recovery =	0.04%		
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.		
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

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Title : 209 625/TCLP calibration table
Last Update : Fri Nov 02 16:41:16 2001
Response via : Initial Calibration
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	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	15.38	128	511	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	21.03	165	205	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	25.02	178	589	N.D.	
56)	Anthracene	25.02	178	589	N.D.	
57)	Di-n-butylphthalate	27.03	149	1694	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	33.05	228	3321	N.D.	
66)	Bis(2-ethylhexyl)phthalate	33.33	149	4419	N.D.	
67)	Chrysene	33.05	228	3321	N.D.	
69)	Di-n-Octylphthalate	0.00	149	0	N.D.	
70)	Benzo(b)fluoranthene	0.00	252	0	N.D.	

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MS Integration Params: RTEINT.P
Quant Time: Nov 17 15:16 2001 Quant Results File: NP103001.RES

Quant 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
DataAcq Meth : NP103001

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	3681	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.	

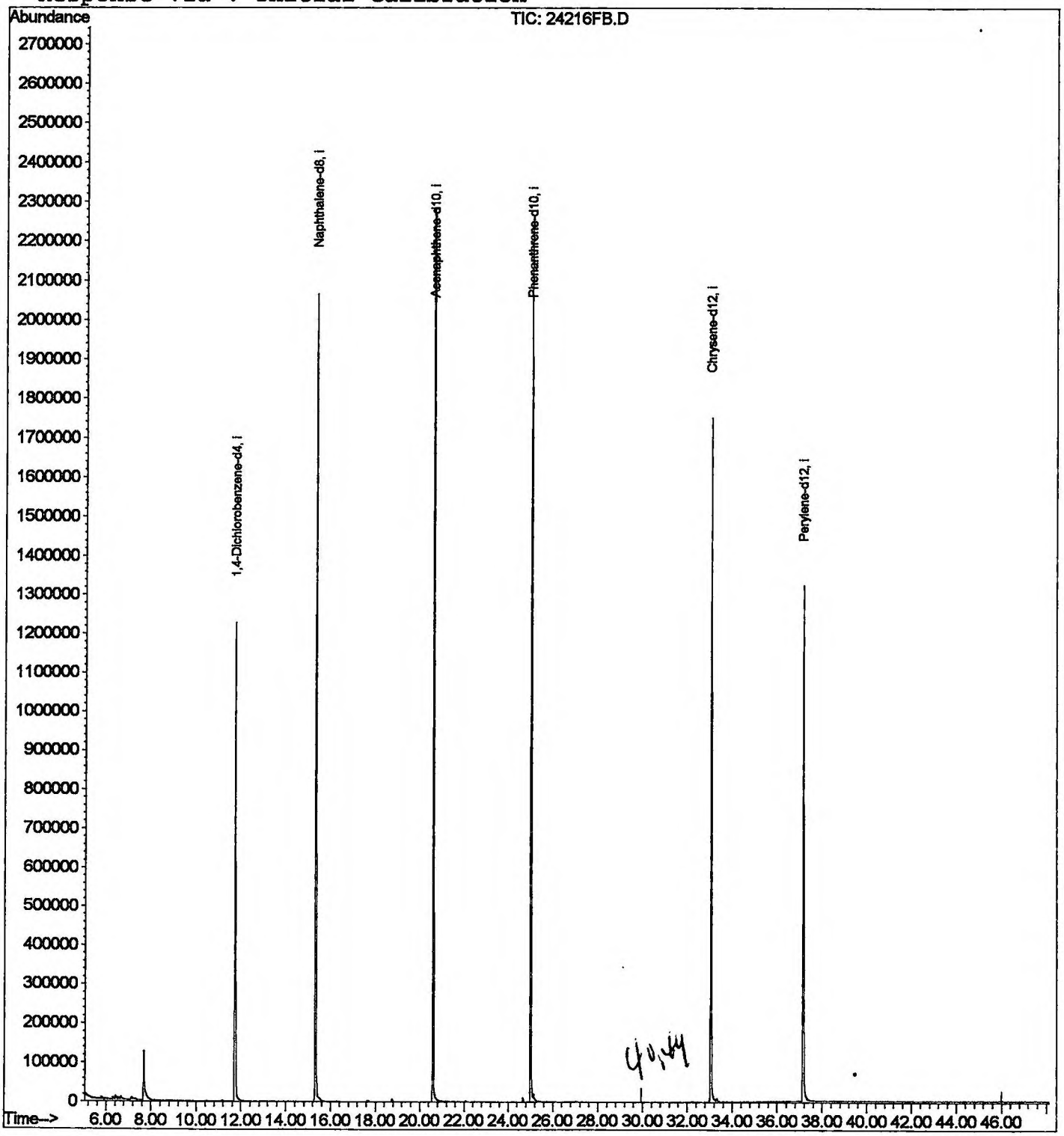
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\NOV1601\24216FB.D
Acq On : 17 Nov 2001 2:27 pm
Sample : gc/ms unknown field blk
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 17 15:16 2001

Vial: 25
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00
Quant Results File: NP103001.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\NOV1601\24216FB.D Vial: 25
Acq On : 17 Nov 2001 2:27 pm Operator: 209 GALOS
Sample : gc/ms unknown field blk 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

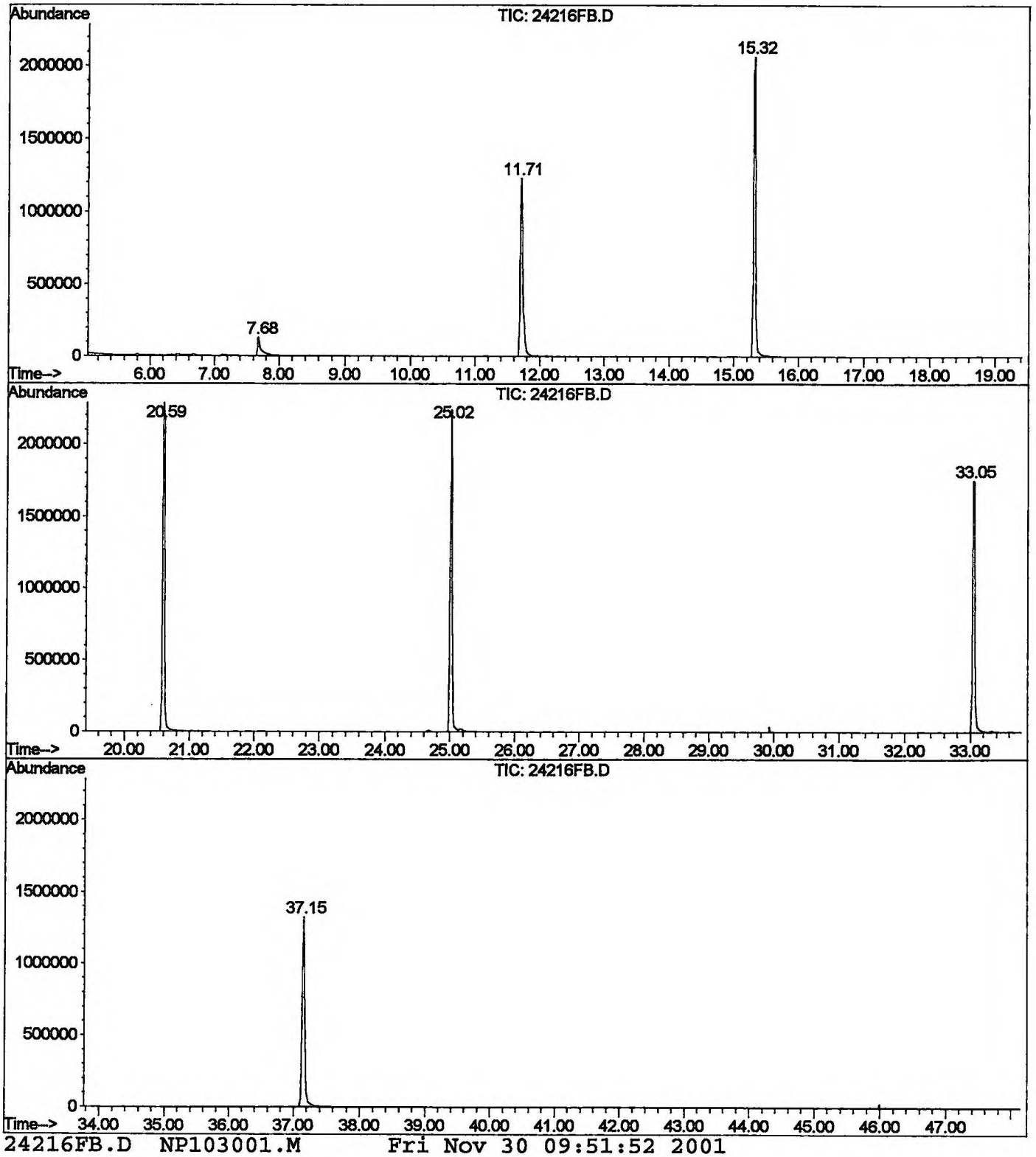
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	7.684	284	288	314	rBV	126393	471013	9.22%	1.763%
2	11.715	721	727	752	rBV	1227892	3505972	68.61%	13.126%
3	15.322	1114	1120	1138	rBV	2066390	4691709	91.82%	17.565%
4	20.592	1688	1694	1714	rBV	2284687	5109916	100.00%	19.131%
5	25.017	2170	2176	2188	rBV2	2235863	4878165	95.46%	18.263%
6	33.050	3044	3051	3077	rBV2	1750673	4304953	84.25%	16.117%
7	37.153	3490	3498	3519	rBV2	1320729	3748214	73.35%	14.033%

Sum of corrected areas: 26709942

24216FB.D NP103001.M Fri Nov 30 09:51:50 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\NOV1601\24216FB.D
Operator : 209 GALOS
Acquired : 17 Nov 2001 2:27 pm using AcqMethod NP103001
Instrument : GC/MS 209
Sample Name: gc/ms unknown field blk
Misc Info :
Vial Number: 25
Quant File :NP103001.RES (RTE Integrator)



24216FB.D NP103001.M Fri Nov 30 09:51:52 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV1601\24216FB.D
Acq On : 17 Nov 2001 2:27 pm
Sample : gc/ms unknown field blk
Misc :
MS Integration Params: LSCINT.P

Vial: 25
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

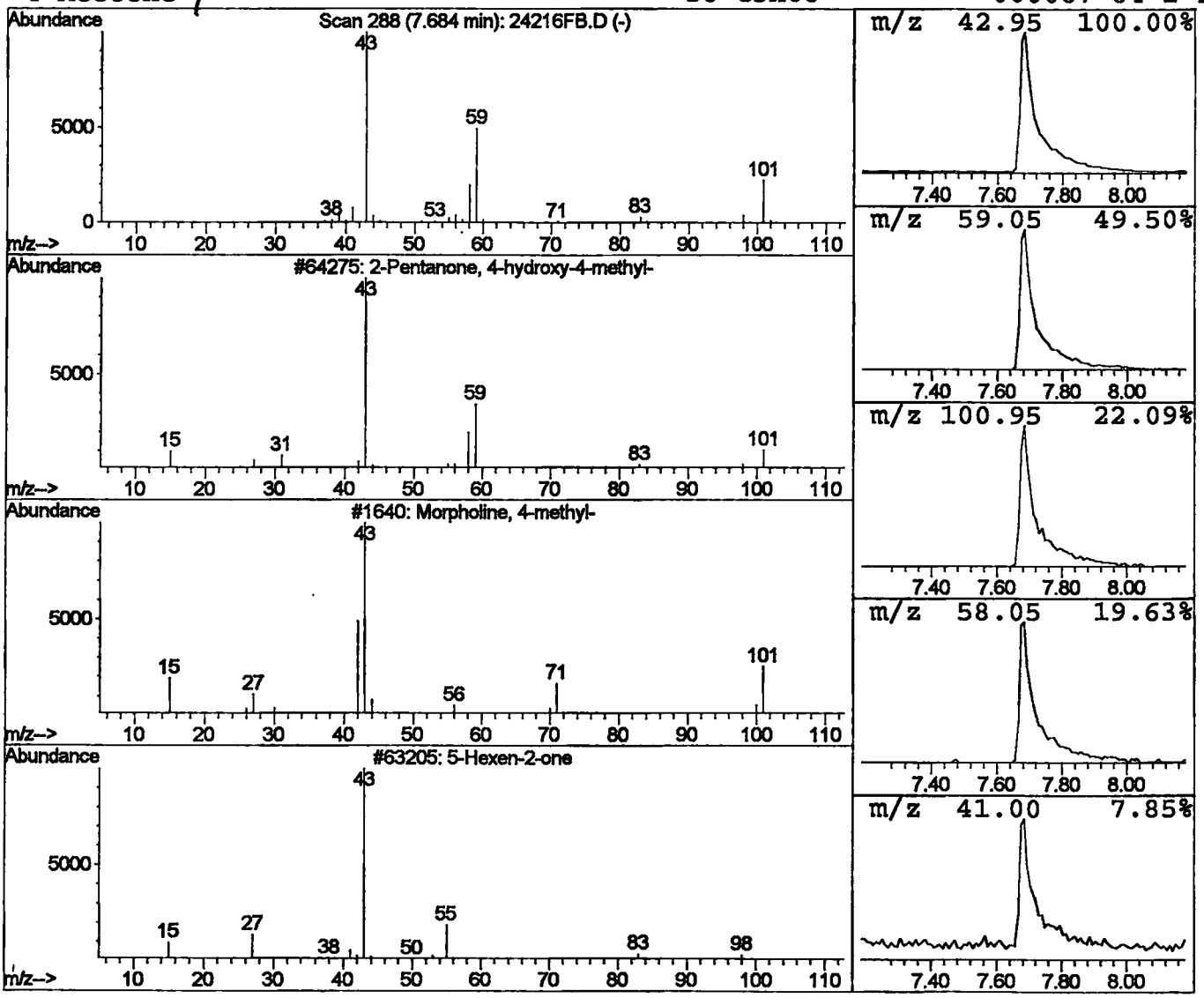
Quant Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.68	2.69 ug/l	471013	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	72
2	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9
4	Acetone	58	C3H6O	000067-64-1	9



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 17 Nov 2001 2:27 pm
Data File: C:\HPCHEM\1\DATA\NOV1601\24216FB.D
Name: gc/ms unknown field blk
Misc:
Method: C:\HPCHEM\1\METHODS\NP103001.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-Pentanone, 4-hydro	7.68	2.7	ug/l	471013	ISTD01	11.71	3505970	20.0

24216FB.D NP103001.M Fri Nov 30 09:51:57 2001