

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031317\
 Data File : BM009249.D
 Acq On : 14 Mar 2017 11:10
 Operator : SJ/MA
 Sample : I2181-19
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0BJ9

Manual Integrations
 APPROVED

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 3/15/2017 4:05:03 PM

Quant Time: Mar 14 20:16:10 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM-EPA-BM031317M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Mar 14 04:57:13 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	143586	20.00	ng/ul	0.01
18) Naphthalene-d8	10.69	136	580635	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.52	164	408292	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.26	188	1106750m	20.00	ng/ul	0.00
77) Chrysene-d12	21.44	240	1665058	20.00	ng/ul	0.00
85) Perylene-d12	23.78	264	1666616	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.35	96	16543	5.07	ng/uL	0.00
5) Phenol-d5	7.03	99	72592	4.67	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.21	67	269151	26.60	ng/ul	0.00
9) 2-Chlorophenol-d4	7.40	132	201026	21.18	ng/ul	0.00
13) 4-Methylphenol-d8	8.58	113	144180	11.63	ng/ul	0.00
19) Nitrobenzene-d5	9.05	128	142578	34.38	ng/ul	0.00
22) 2-Nitrophenol-d4	9.76	143	152321	33.10	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.29	165	279774	28.46	ng/ul	0.00
29) 4-Chloroaniline-d4	10.82	131	3358	0.29	ng/ul	0.00
43) Dimethylphthalate-d6	13.92	166	1178466	38.00	ng/ul	0.00
46) Acenaphthylene-d8	14.21	160	1351188	37.89	ng/ul	0.00
51) 4-Nitrophenol-d4	14.71	143	38299	6.22	ng/ul	0.00
57) Fluorene-d10	15.51	176	1067106	38.57	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.63	200	201417	30.42	ng/ul	0.00
70) Anthracene-d10	17.36	188	1902252	36.32	ng/ul	0.00
78) Pyrene-d10	19.66	212	2472763	36.79	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.63	264	2741309	35.95	ng/ul	0.00

Target Compounds

						Ovalue
6) Phenol	7.06	94	35778	2.16	ng/ul#	70
10) 2-Chlorophenol	7.45	128	101968	10.42	ng/ul#	77
20) Nitrobenzene	9.08	77	14476	1.05	ng/ul#	77
27) 2,4-Dichlorophenol	10.36	162	75641m	7.77	ng/ul	
36) 1,2,4,5-Tetrachlorobenzene	12.70	216	378939	30.86	ng/ul	98
39) 2,4,5-Trichlorophenol	13.01	196	9053	1.01	ng/ul	90
72) 1,2,3,4-Tetrachlorobenzene	13.31	216	699391	53.79	ng/uL	98
73) Pentachlorobenzene	14.83	250	14640	1.05	ng/uL#	84

(#) = qualifier out of range (m) = manual integration (+) = signals summed

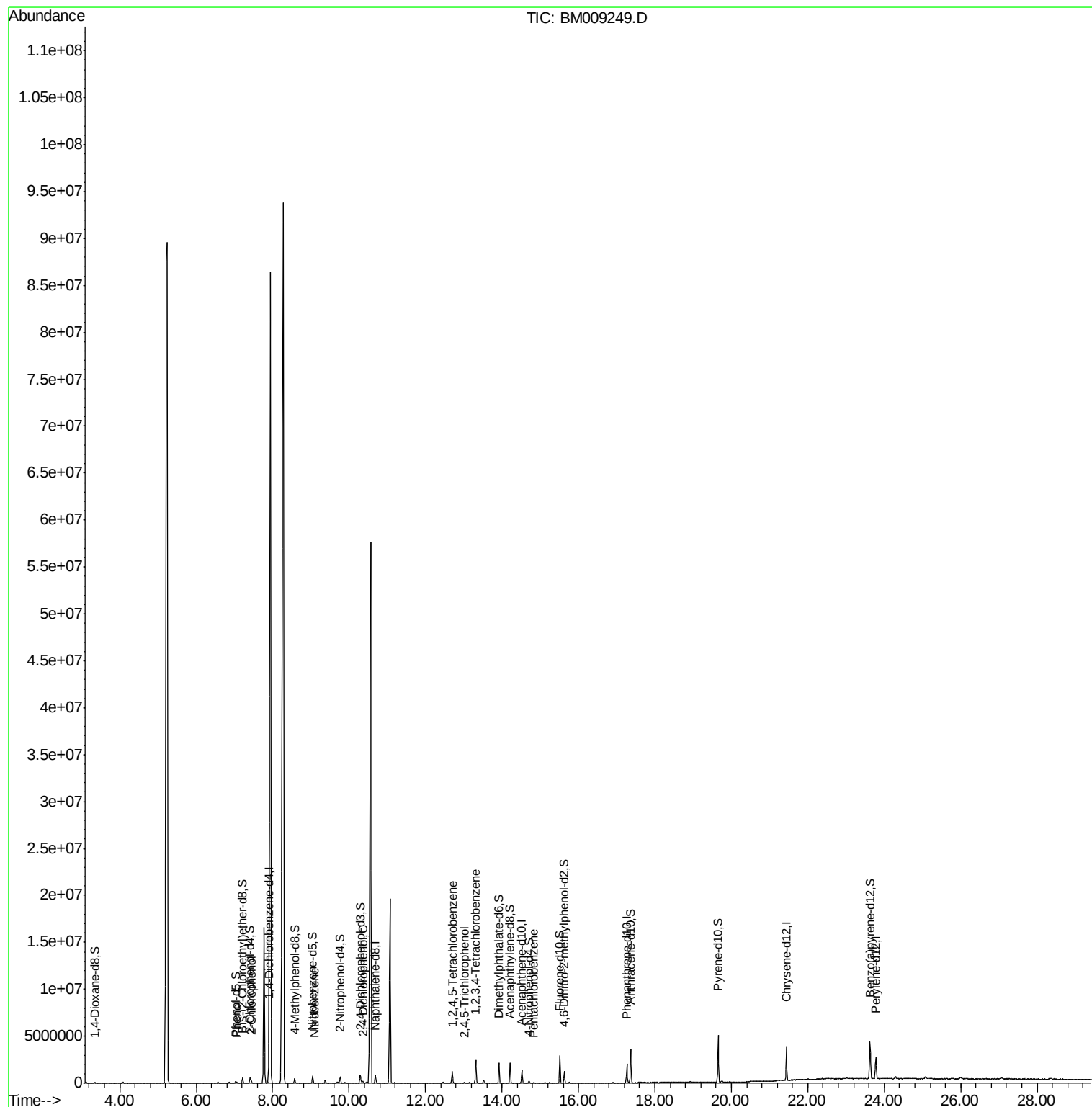
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031317\
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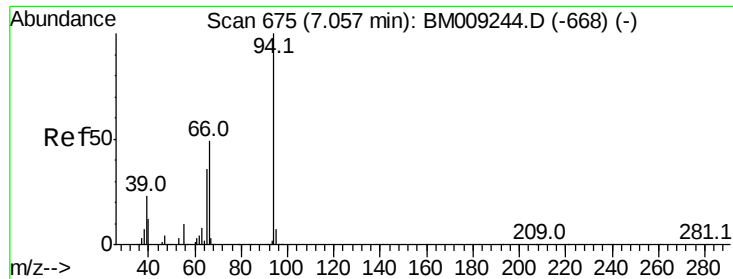
Instrument :
BNA_M
ClientSampleId :
C0BJ9

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Quant Time: Mar 14 20:16:10 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM-EPA-BM031317
Quant Title : SVOA CALIBRATION
QLast Update : Tue Mar 14 04:57:13 2017
Response via : Initial Calibration





#6

Phenol

Concen: 2.16 ng/ul

RT: 7.06 min Scan# 676

Delta R.T. 0.00 min

Lab File: BM009249.D

Acq: 14 Mar 2017 11:10

Instrument :

BNA_M

ClientSampled :

C0BJ9

Tot Ion: 94 Resp: 35778

Ion Ratio Lower Upper

94 100

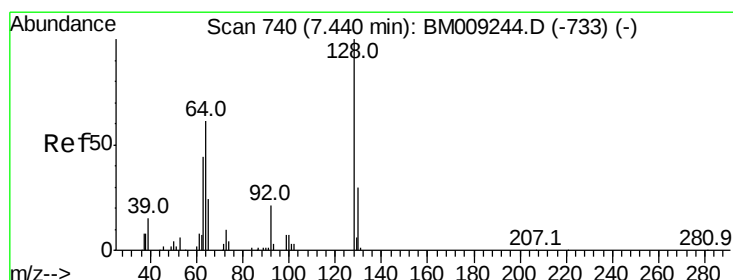
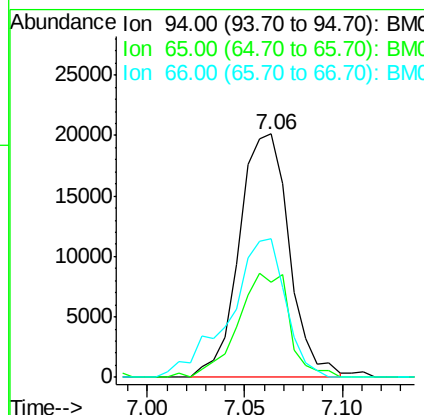
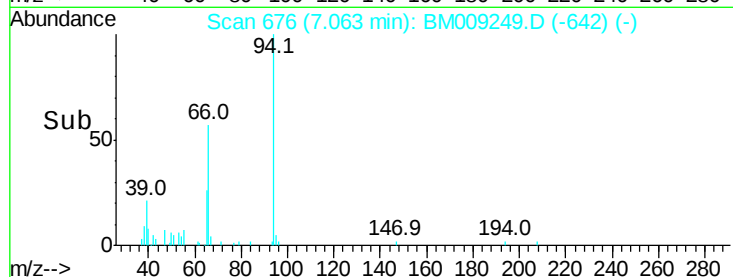
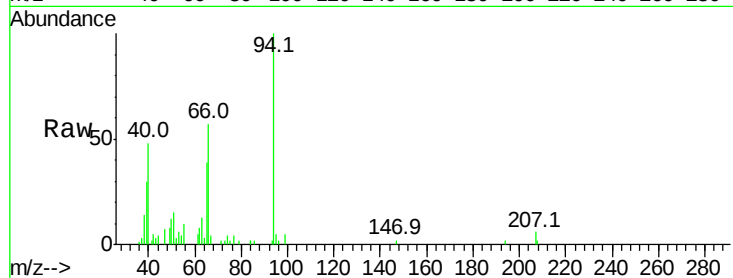
65 38.9 21.0 31.6#

66 57.0 29.3 43.9#

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#10

2-Chlorophenol

Concen: 10.42 ng/ul

RT: 7.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BM009249.D

Acq: 14 Mar 2017 11:10

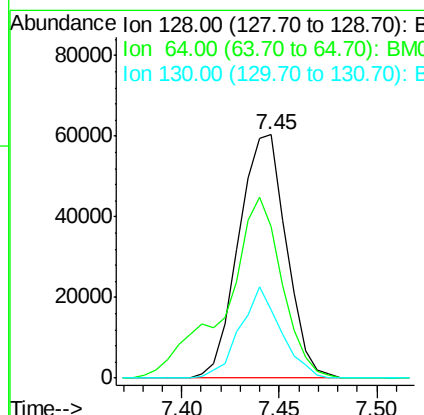
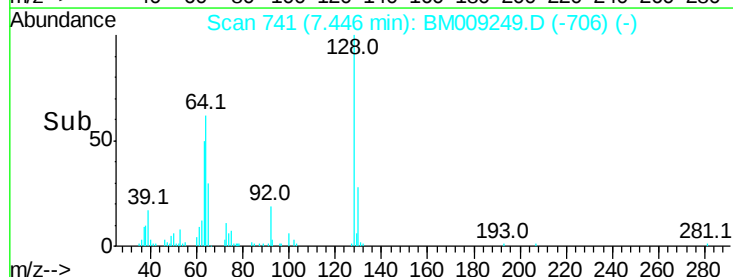
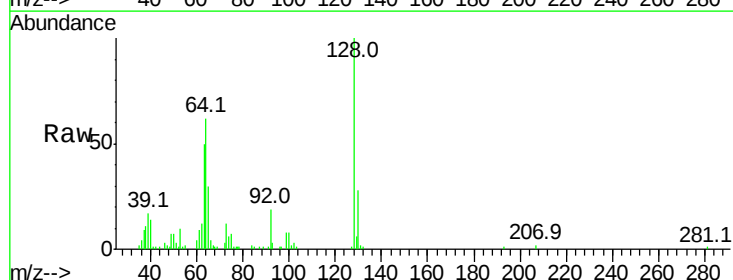
Tgt Ion: 128 Resp: 101968

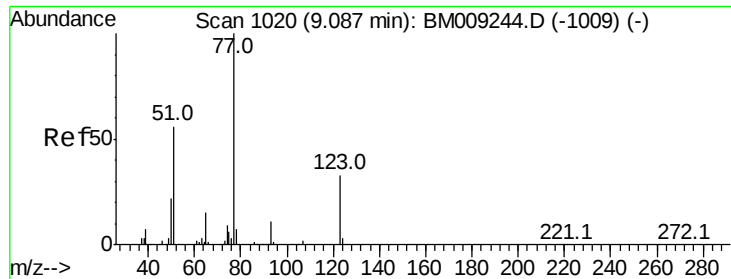
Ion Ratio Lower Upper

128 100

64 62.0 31.9 47.9#

130 28.1 25.6 38.4





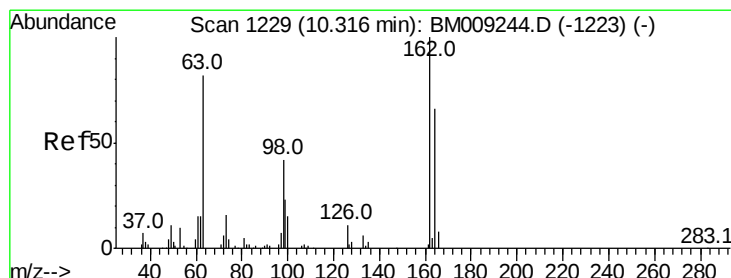
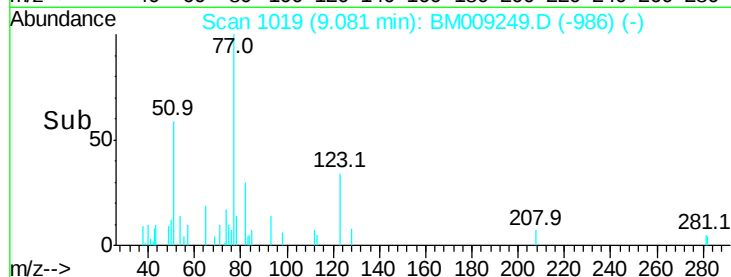
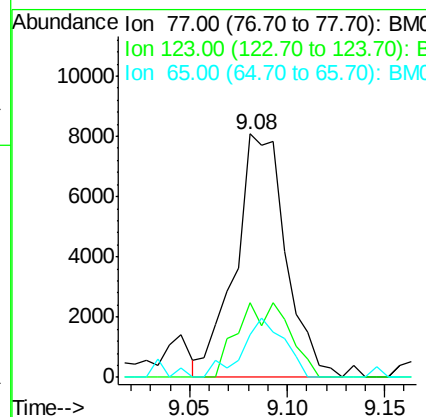
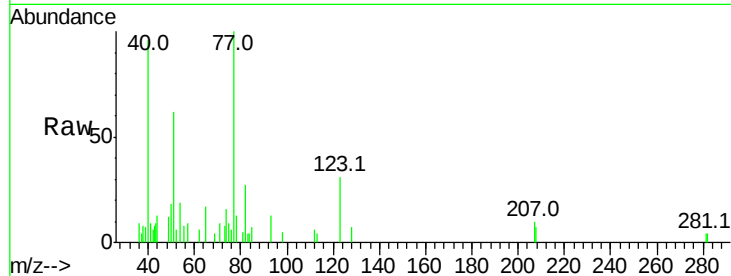
#20
Nitrobenzene
Concen: 1.05 ng/ul
RT: 9.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BM009249.D
Acq: 14 Mar 2017 11:10

Instrument :
BNA_M
ClientSampled :
C0BJ9

Tot Ion	Ratio	Lower	Upper
77	100		
123	30.6	39.0	58.4#
65	17.3	10.4	15.6#

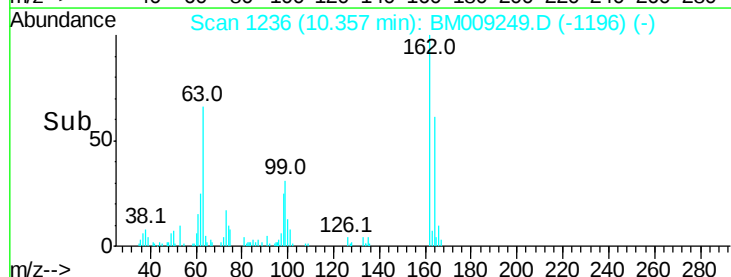
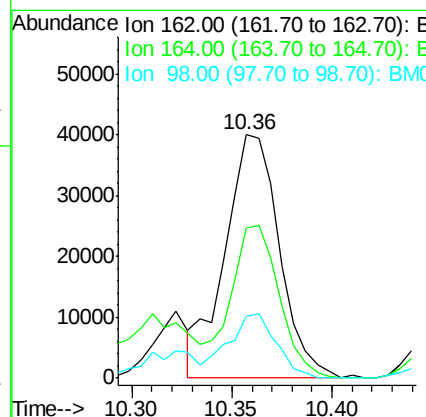
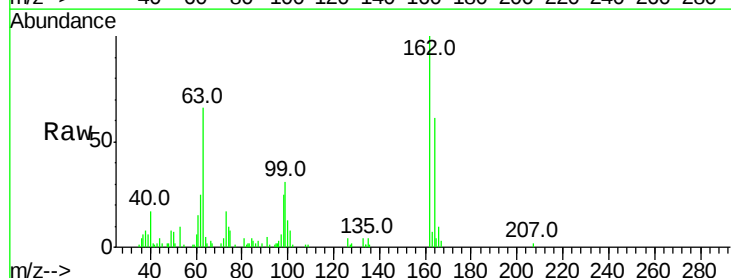
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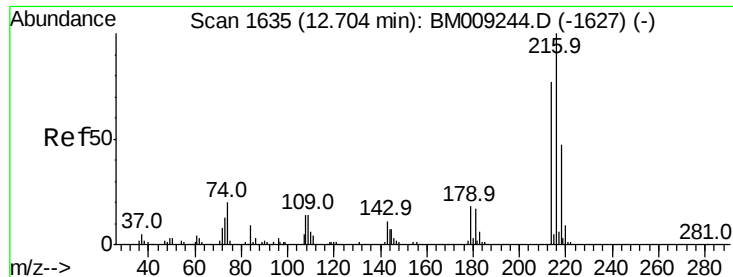
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#27
2,4-Dichlorophenol
Concen: 7.77 ng/ul m
RT: 10.36 min Scan# 1236
Delta R.T. 0.04 min
Lab File: BM009249.D
Acq: 14 Mar 2017 11:10

Tgt Ion	Ratio	Lower	Upper
162	100		
164	61.4	52.1	78.1
98	25.3	28.4	42.6#





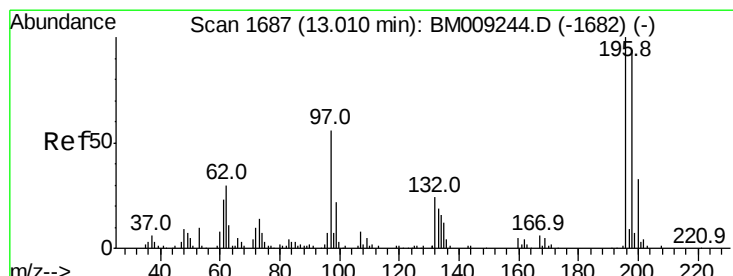
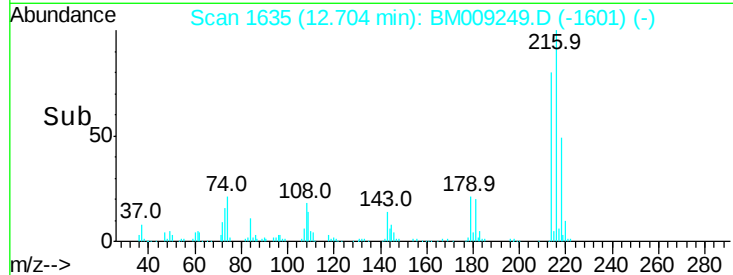
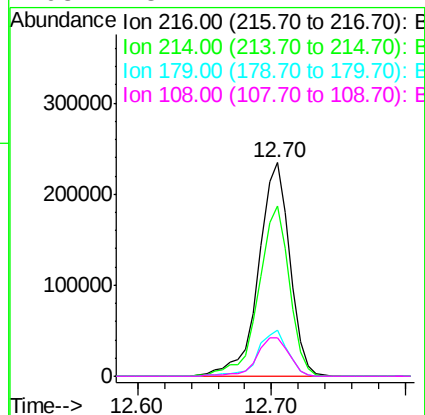
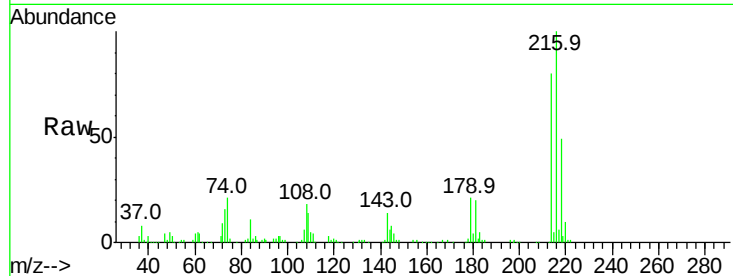
#36
 1,2,4,5-Tetrachlorobenzene
 Concen: 30.86 ng/ul
 RT: 12.70 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: BM009249.D
 Acq: 14 Mar 2017 11:10

Instrument :
 BNA_M
 ClientSampleId :
 C0BJ9

Tot Ion	Ratio	Resp	Lower	Upper
216	100	378939		
214	79.8	62.5	93.7	
179	21.4	18.2	27.2	
108	18.1	14.2	21.2	

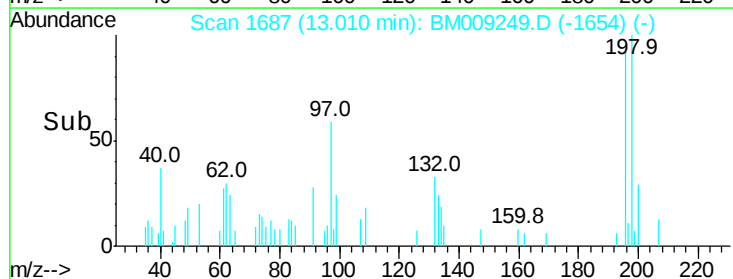
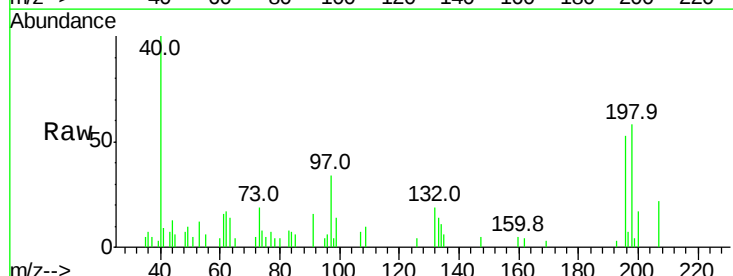
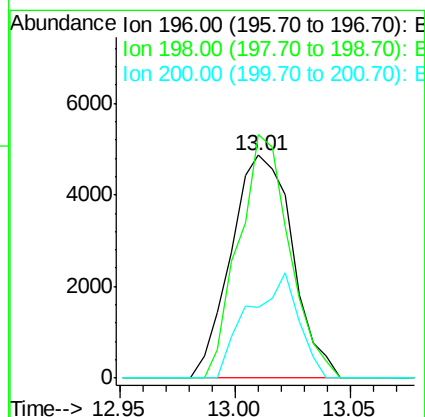
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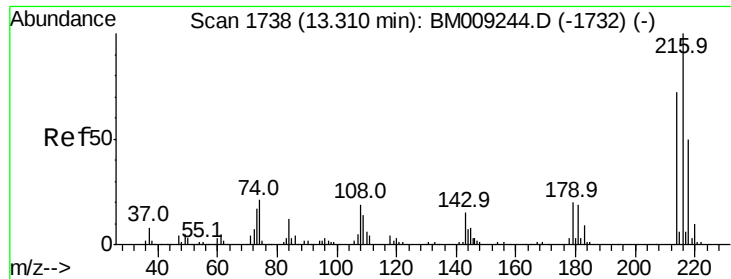
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#39
 2,4,5-Trichlorophenol
 Concen: 1.01 ng/ul
 RT: 13.01 min Scan# 1687
 Delta R.T. -0.01 min
 Lab File: BM009249.D
 Acq: 14 Mar 2017 11:10

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	9053		
198	109.2	76.9	115.3	
200	31.7	25.0	37.4	





#72

1,2,3,4-Tetrachlorobenzene

Concen: 53.79 ng/uL

RT: 13.31 min Scan# 1738

Delta R.T. -0.01 min

Lab File: BM009249.D

Acq: 14 Mar 2017 11:10

Instrument :

BNA_M

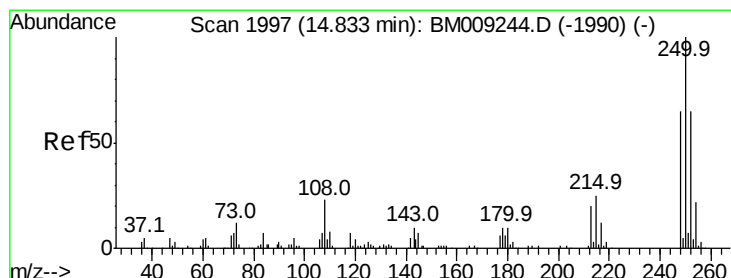
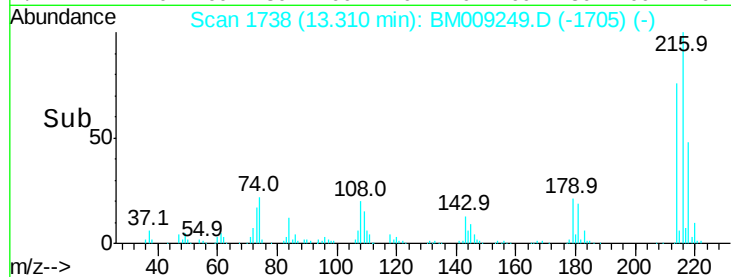
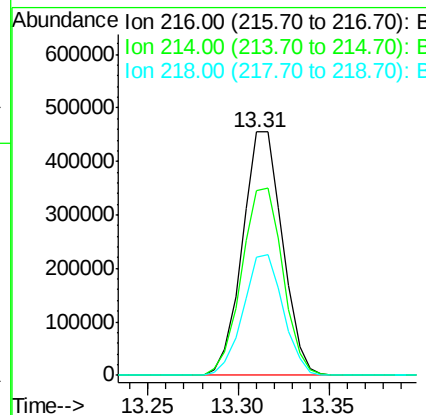
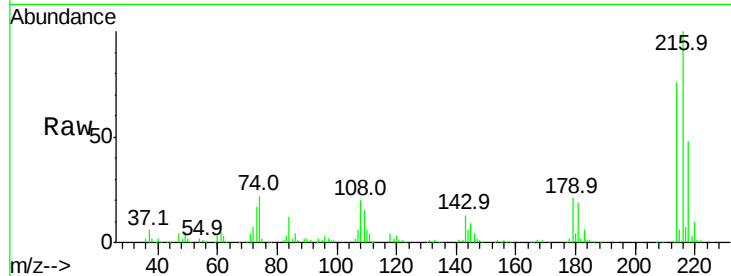
ClientSampleId :

C0BJ9

Tot Ion:	216	Resp:	699391
Ion Ratio	Lower	Upper	
216	100		
214	76.0	62.5	93.7
218	48.3	38.4	57.6

Manual Integrations
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#73

Pentachlorobenzene

Concen: 1.05 ng/uL

RT: 14.83 min Scan# 1997

Delta R.T. 0.00 min

Lab File: BM009249.D

Acq: 14 Mar 2017 11:10

Tgt Ion:	250	Resp:	14640
Ion Ratio	Lower	Upper	
250	100		
248	81.4	50.6	75.8#
252	71.5	51.4	77.0

