

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102417\
 Data File : BM012433.D
 Acq On : 25 Oct 2017 00:50
 Operator : SJ/JU
 Sample : I5882-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 S1(1-3)

Manual Integrations
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Sohil
 10/25/2017 3:35:56 PM

Quant Time: Oct 25 11:34:10 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 25 00:51:00 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	634954	20.00	ng/ul	0.00
18) Naphthalene-d8	10.67	136	2797112	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.51	164	1860462	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.29	188	4579513	20.00	ng/ul	0.04
75) Chrysene-d12	21.42	240	4805277	20.00	ng/ul	0.00
83) Perylene-d12	23.72	264	4228880	20.00	ng/ul	0.00

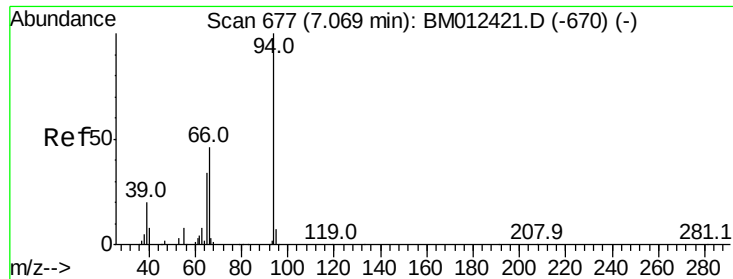
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	86821	6.98	ng/uL	0.00
5) Phenol-d5	7.07	99	164220	3.10	ng/ul	0.04
7) Bis-(2-Chloroethyl)ether-d	7.21	67	262830	8.35	ng/ul	0.00
9) 2-Chlorophenol-d4	7.42	132	304723	7.67	ng/ul	0.00
13) 4-Methylphenol-d8	8.59	113	260419	5.74	ng/ul	0.01
19) Nitrobenzene-d5	9.03	128	180109	10.28	ng/ul	0.00
22) 2-Nitrophenol-d4	9.75	143	194545	10.78	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.30	165	399053	8.35	ng/ul	0.01
29) 4-Chloroaniline-d4	10.79	131	68753	1.36	ng/ul	-0.01
43) Dimethylphthalate-d6	13.93	166	1368248	8.42	ng/ul	0.00
46) Acenaphthylene-d8	14.20	160	1666409	8.67	ng/ul	0.00
51) 4-Nitrophenol-d4	14.73	143	114791	4.75	ng/ul	0.03
57) Fluorene-d10	15.50	176	1181865	8.59	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.64	200	291459	13.15	ng/ul	0.03
70) Anthracene-d10	17.38	188	1914754	8.77	ng/ul	0.04
76) Pyrene-d10	19.63	212	2059446	9.34	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.57	264	1747041	8.70	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	7.10	94	82616	1.496	ng/ul#	74
21) Isophorone	9.60	82	1786642	16.730	ng/ul	97
27) 2,4-Dichlorophenol	10.33	162	77954	1.671	ng/ul#	79
28) Naphthalene	10.72	128	799708	5.766	ng/ul	100
34) 2-Methylnaphthalene	12.33	142	535292	4.753	ng/ul	99
38) 2,4,6-Trichlorophenol	12.95	196	190908	4.839	ng/ul	98
39) 2,4,5-Trichlorophenol	13.02	196	152210	3.640	ng/ul	97
44) Dimethylphthalate	13.97	163	788633	4.905	ng/ul	99
55) 2,3,4,6-Tetrachlorophenol	15.15	232	24469606m	632.240	ng/ul	
68) Pentachlorophenol	16.92	266	84338333m	2541.179	ng/ul	
69) Phenanthrene	17.33	178	529251	2.137	ng/ul#	92
72) Carbazole	17.66	167	369107	1.741	ng/ul#	91
74) Fluoranthene	19.30	202	536836m	1.913	ng/ul	
77) Pyrene	19.66	202	470584	1.722	ng/ul#	89

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



#6

Phenol

Concen: 1.496 ng/ul

RT: 7.10 min Scan# 682

Delta R.T. 0.03 min

Lab File: BM012433.D

Acq: 25 Oct 2017 00:50

Instrument :

BNA_M

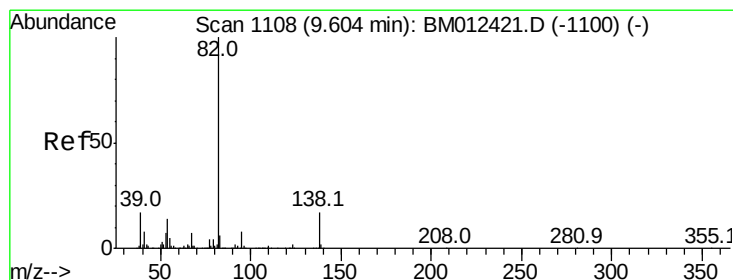
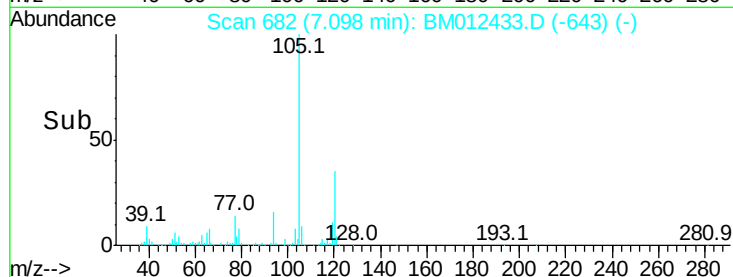
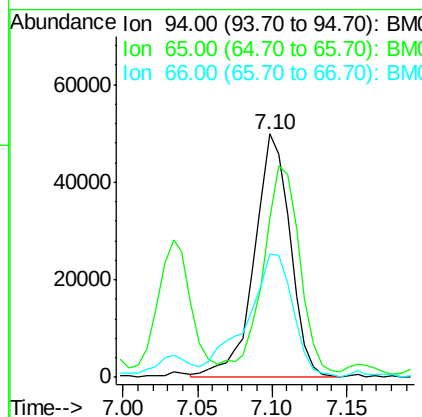
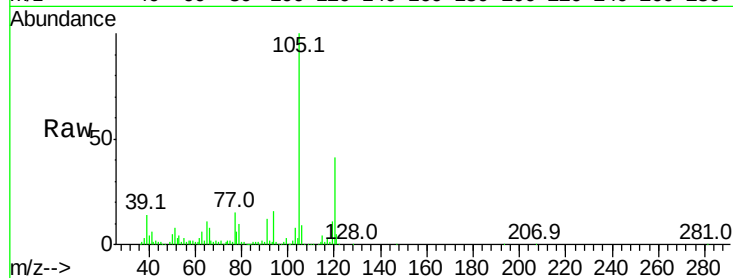
ClientSampled :

S1(1-3)

Tot Ion	Ratio	Lower	Upper
94	100		
65	65.5	28.2	42.4#
66	50.8	47.2	70.8

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#21

Isophorone

Concen: 16.730 ng/ul

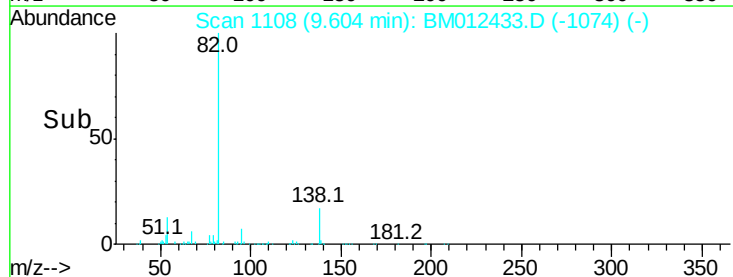
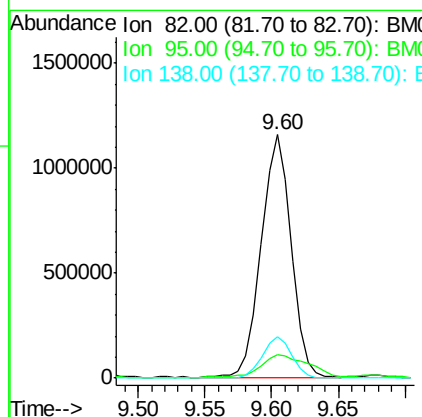
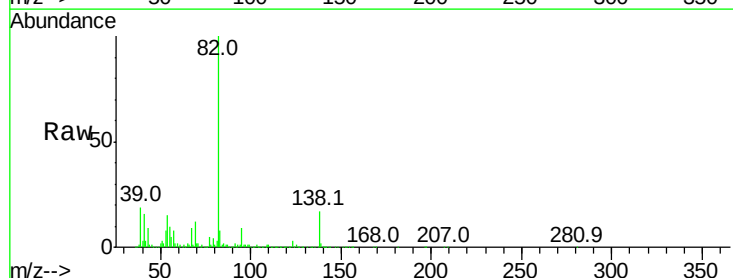
RT: 9.60 min Scan# 1108

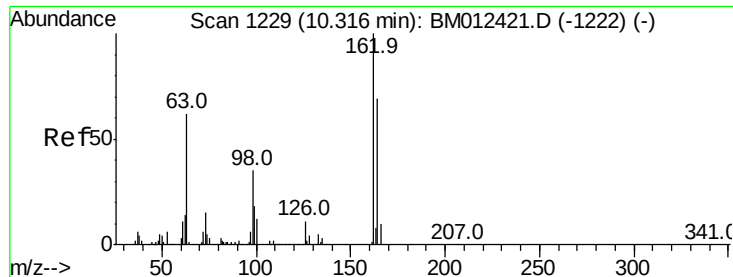
Delta R.T. 0.00 min

Lab File: BM012433.D

Acq: 25 Oct 2017 00:50

Tgt Ion	Ratio	Lower	Upper
82	100		
95	9.4	7.8	11.8
138	16.8	11.9	17.9





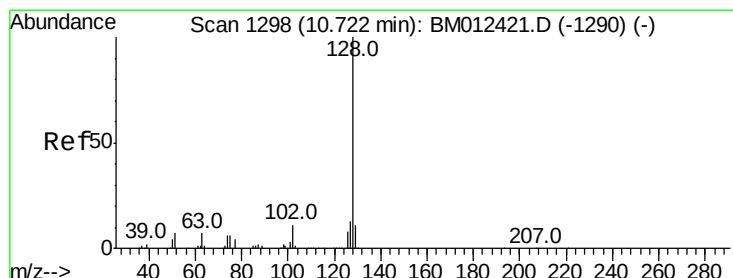
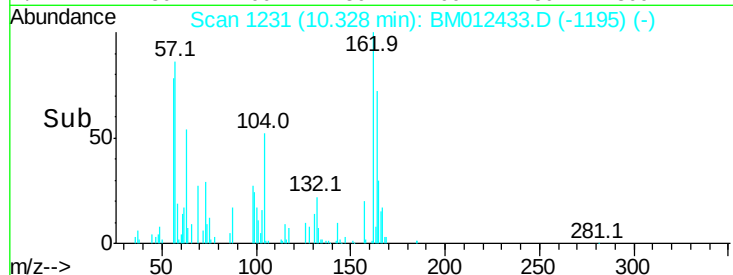
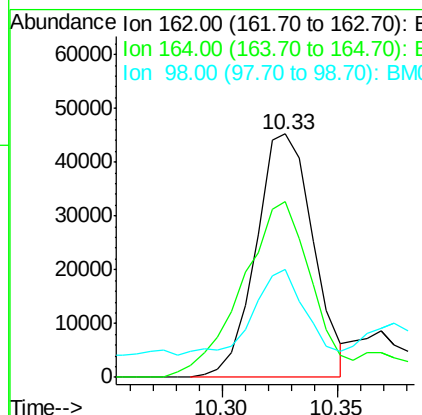
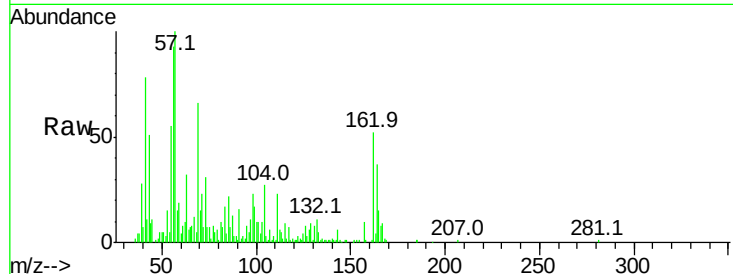
#27
2,4-Dichlorophenol
Concen: 1.671 ng/ul
RT: 10.33 min Scan# 1231
Delta R.T. 0.01 min
Lab File: BM012433.D
Acq: 25 Oct 2017 00:50

Instrument :
BNA_M
ClientSampled :
S1(1-3)

Tot Ion	Ratio	Lower	Upper
162	100		
164	72.0	47.8	71.6#
98	44.5	23.0	34.4#

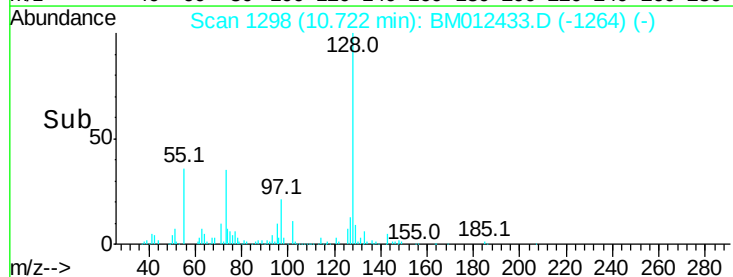
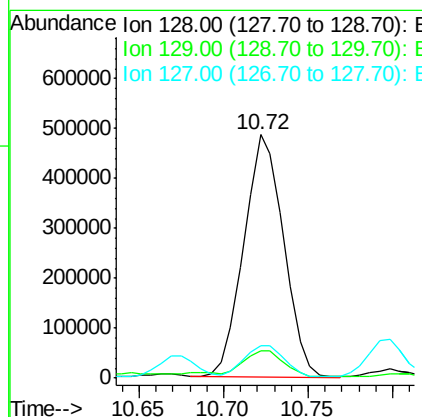
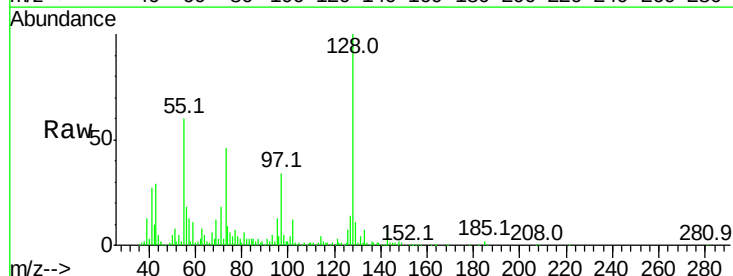
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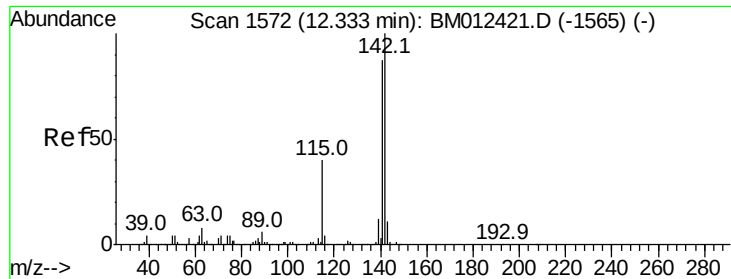
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#28
Naphthalene
Concen: 5.766 ng/ul
RT: 10.72 min Scan# 1298
Delta R.T. 0.00 min
Lab File: BM012433.D
Acq: 25 Oct 2017 00:50

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	13.5	10.6	16.0





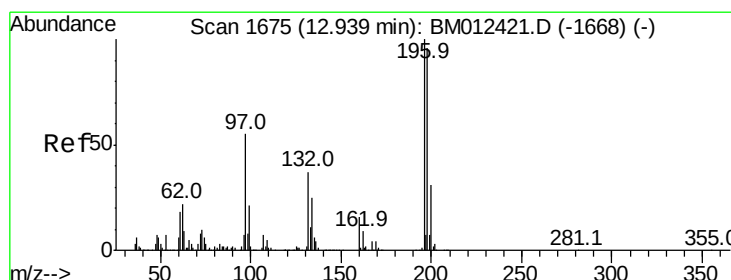
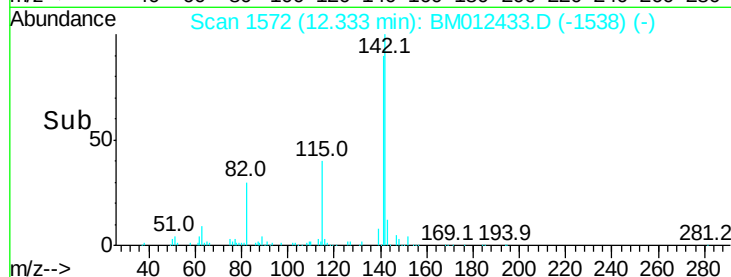
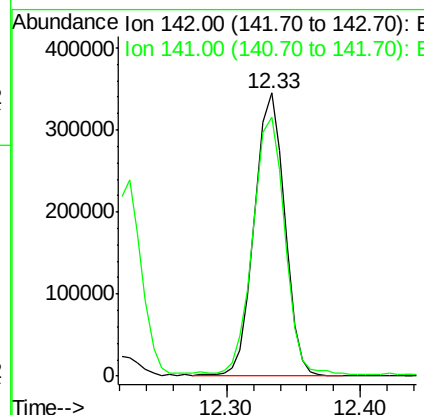
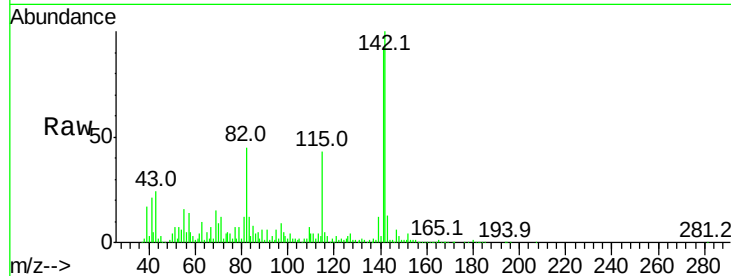
#34
 2-Methylnaphthalene
 Concen: 4.753 ng/ul
 RT: 12.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BM012433.D
 Acq: 25 Oct 2017 00:50

Instrument :
 BNA_M
 ClientSampleId :
 S1(1-3)

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.5	74.1	111.1

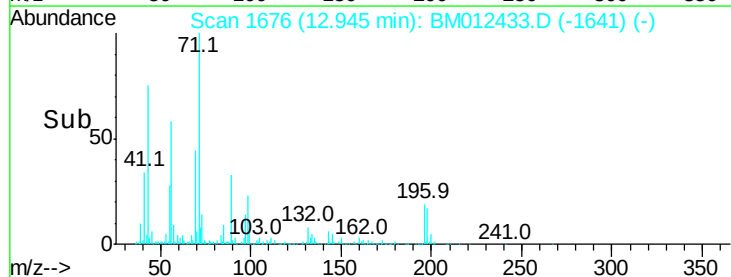
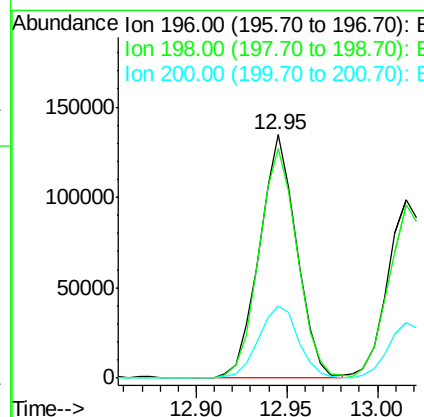
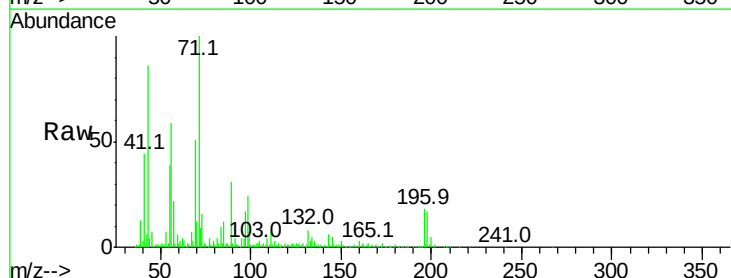
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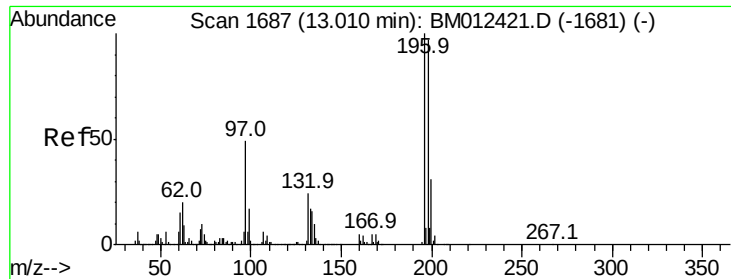
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#38
 2,4,6-Trichlorophenol
 Concen: 4.839 ng/ul
 RT: 12.95 min Scan# 1676
 Delta R.T. 0.01 min
 Lab File: BM012433.D
 Acq: 25 Oct 2017 00:50

Tgt Ion	Ratio	Lower	Upper
196	100		
198	94.1	74.1	111.1
200	29.4	25.2	37.8





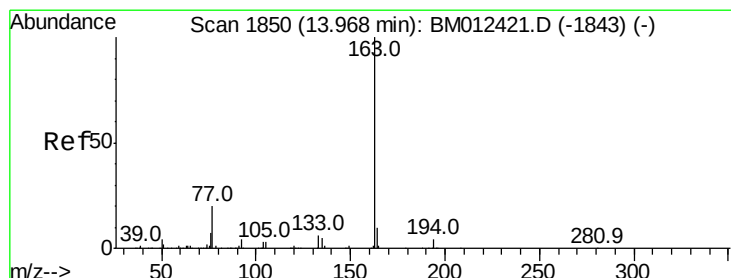
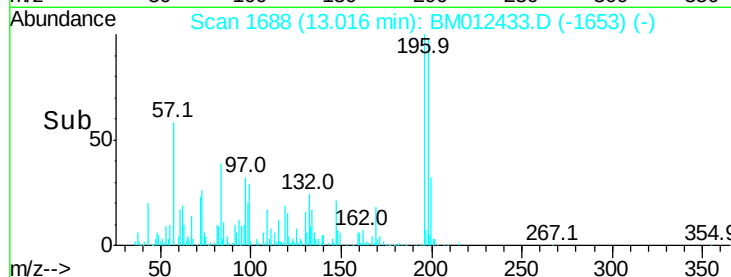
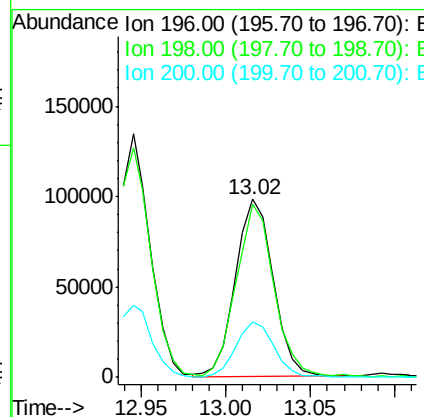
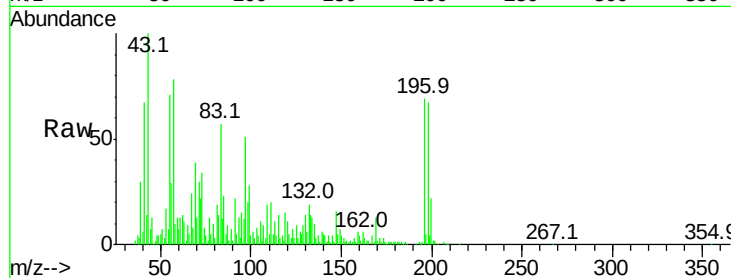
#39
 2,4,5-Trichlorophenol
 Concen: 3.640 ng/ul
 RT: 13.02 min Scan# 1688
 Delta R.T. 0.01 min
 Lab File: BM012433.D
 Acq: 25 Oct 2017 00:50

Instrument :
 BNA_M
 ClientSampled :
 S1(1-3)

Tot Ion	Ratio	Resp	Lower	Upper
196	100	152210		
198	97.6	75.6	113.4	
200	31.5	25.5	38.3	

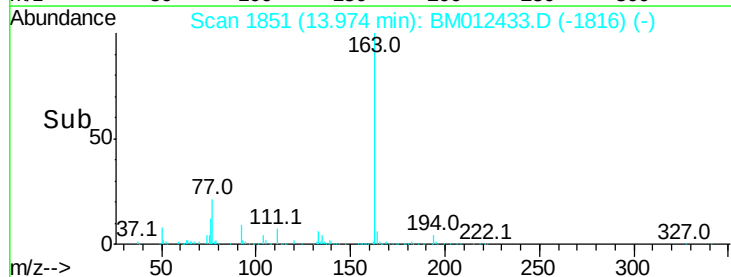
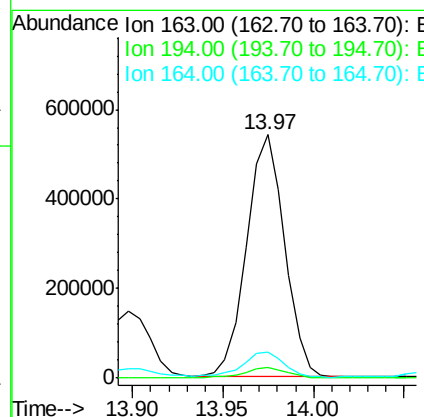
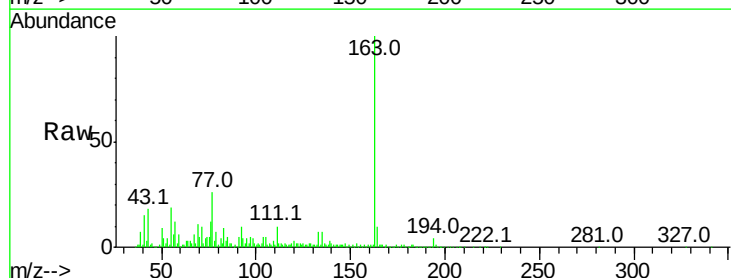
Manual Integrations
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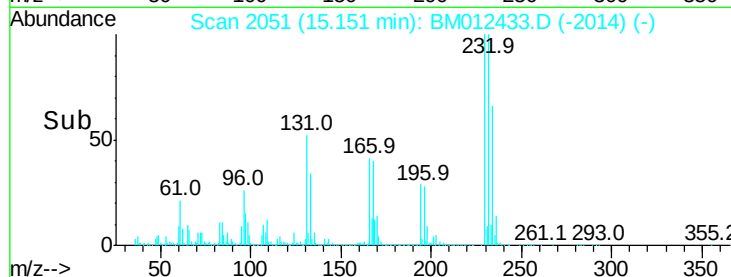
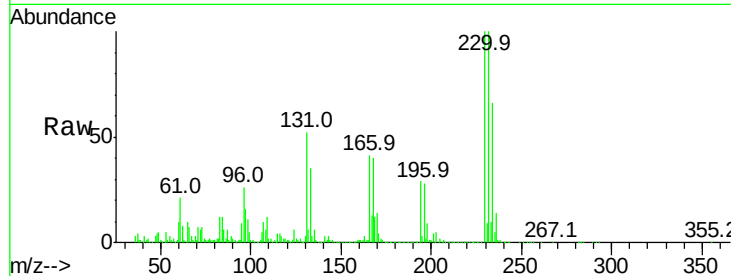
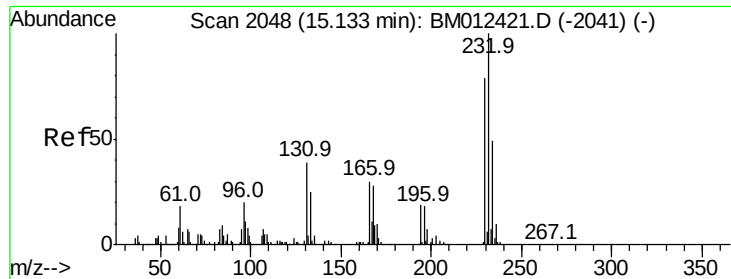
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#44
 Dimethylphthalate
 Concen: 4.905 ng/ul
 RT: 13.97 min Scan# 1851
 Delta R.T. 0.01 min
 Lab File: BM012433.D
 Acq: 25 Oct 2017 00:50

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	788633		
194	4.2	3.5	5.3	
164	10.5	8.2	12.4	





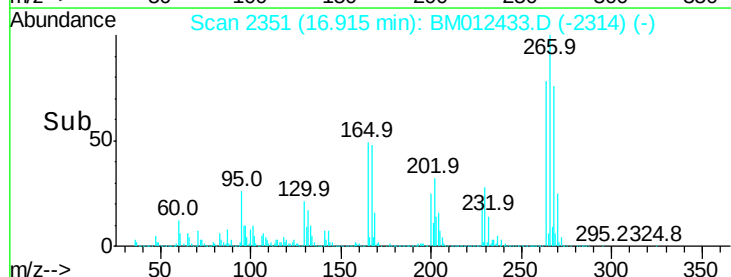
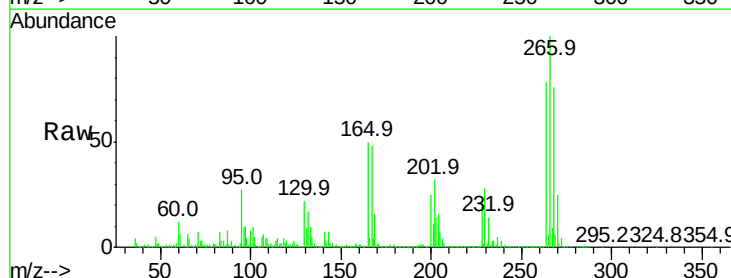
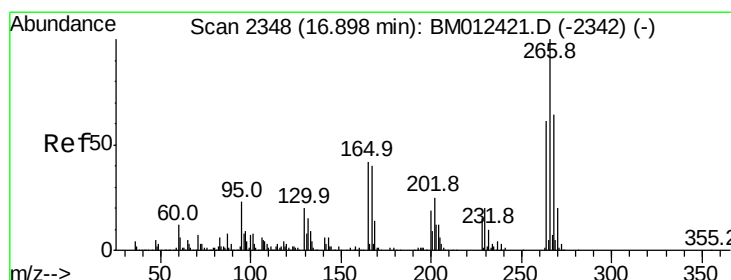
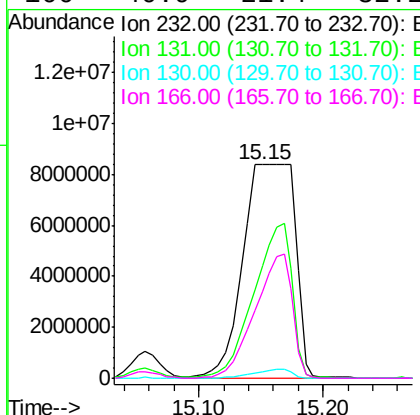
#55
2,3,4,6-Tetrachlorophenol
Concen: 632.240 ng/ul m
RT: 15.15 min Scan# 2051
Delta R.T. 0.02 min
Lab File: BM012433.D
Acq: 25 Oct 2017 00:50

Instrument :
BNA_M
ClientSampleId :
S1(1-3)

Tot Ion:232 Resp:24469606
Ion Ratio Lower Upper
232 100
131 52.5 29.0 43.4#
130 3.1 2.0 3.0#
166 40.9 21.4 32.2#

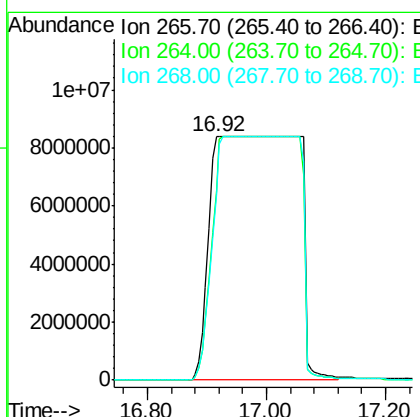
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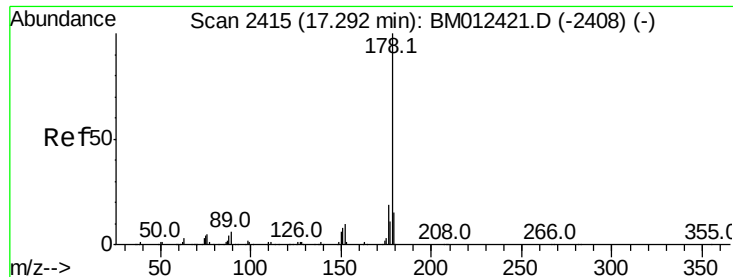
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#68
Pentachlorophenol
Concen: 2541.179 ng/ul m
RT: 16.92 min Scan# 2351
Delta R.T. 0.02 min
Lab File: BM012433.D
Acq: 25 Oct 2017 00:50

Tgt Ion:266 Resp:84338333
Ion Ratio Lower Upper
266 100
264 78.2 49.3 73.9#
268 76.4 52.6 78.8





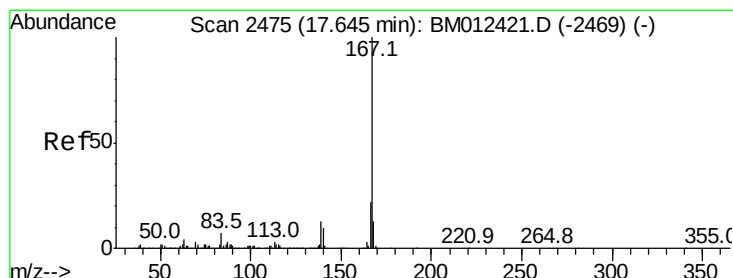
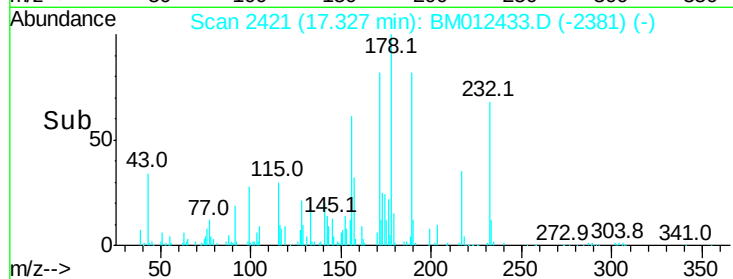
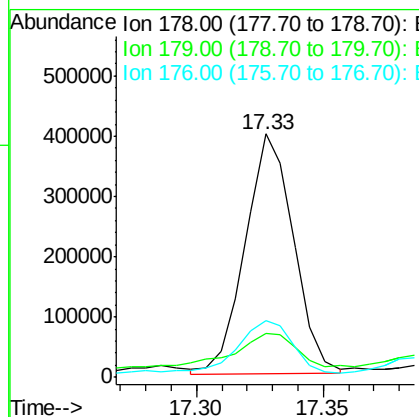
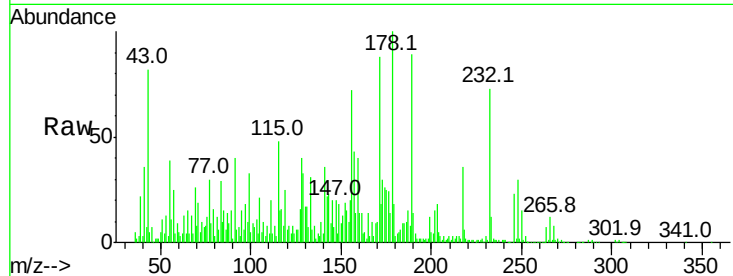
#69
Phenanthrene
Concen: 2.137 ng/ul
RT: 17.33 min Scan# 2421
Delta R.T. 0.04 min
Lab File: BM012433.D
Acq: 25 Oct 2017 00:50

Instrument :
BNA_M
ClientSampleId :
S1(1-3)

Tot Ion	Ratio	Resp	Lower	Upper
178	100			
179	18.1	12.6	19.0	
176	23.5	14.9	22.3	

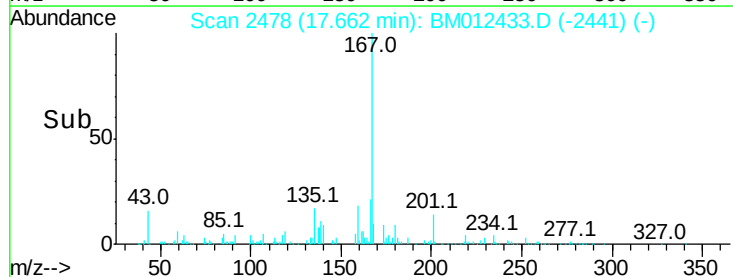
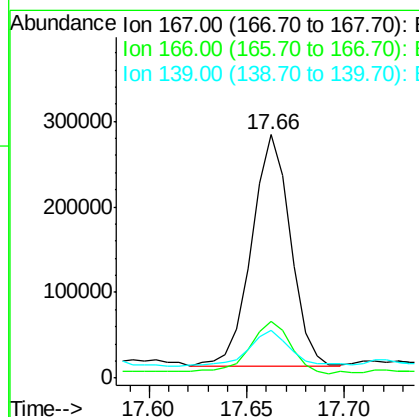
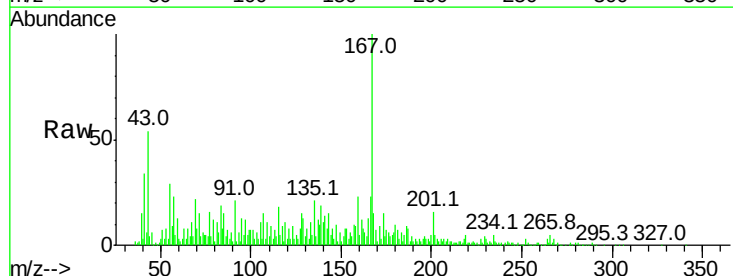
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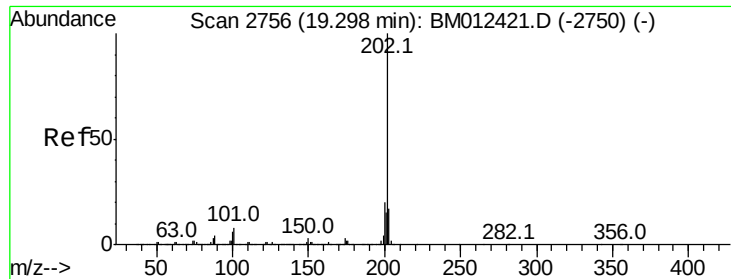
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#72
Carbazole
Concen: 1.741 ng/ul
RT: 17.66 min Scan# 2478
Delta R.T. 0.02 min
Lab File: BM012433.D
Acq: 25 Oct 2017 00:50

Tgt Ion	Ratio	Resp	Lower	Upper
167	100			
166	23.3	17.1	25.7	
139	19.5	10.0	15.0	





#74

Fluoranthene

Concen: 1.913 ng/ul m

RT: 19.30 min Scan# 2757

Delta R.T. 0.01 min

Lab File: BM012433.D

Acq: 25 Oct 2017 00:50

Instrument :

BNA_M

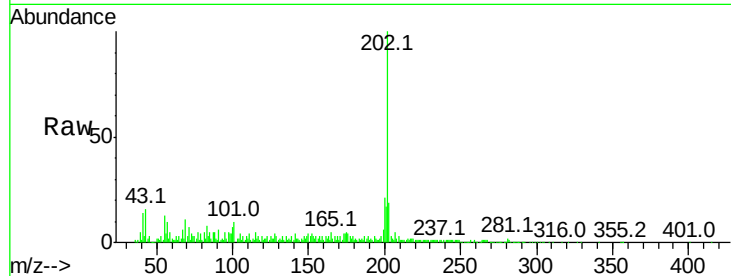
ClientSampled :

S1(1-3)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.8	4.6	7.0#
100	7.1	3.4	5.2#

Manual Integrations
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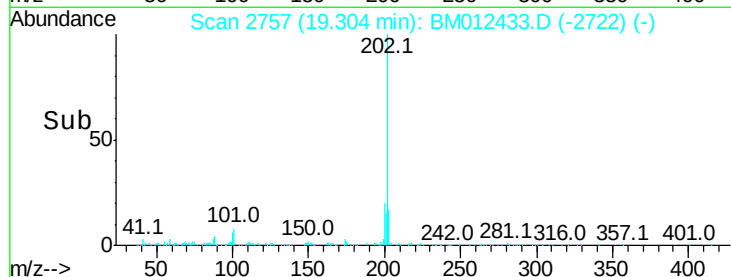


Abundance Ion 202.00 (201.70 to 202.70): E

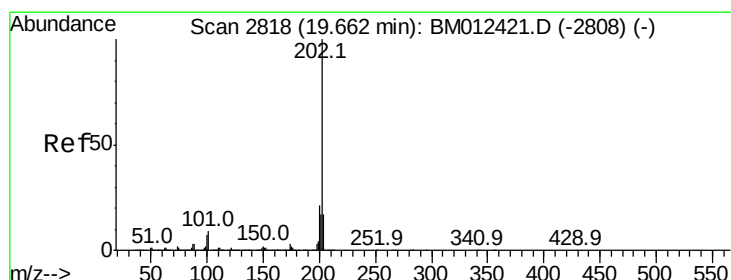
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

Time-->



Time-->



#77

Pyrene

Concen: 1.722 ng/ul

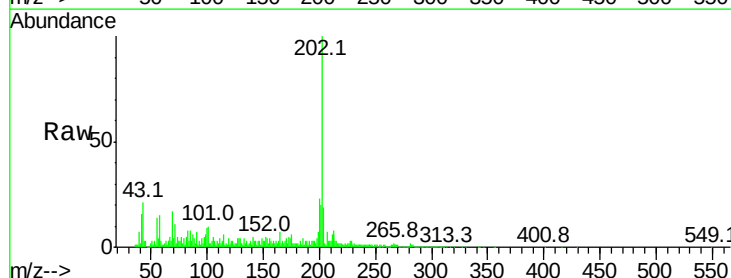
RT: 19.66 min Scan# 2818

Delta R.T. 0.00 min

Lab File: BM012433.D

Acq: 25 Oct 2017 00:50

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	10.3	5.1	7.7#
100	9.4	4.9	7.3#

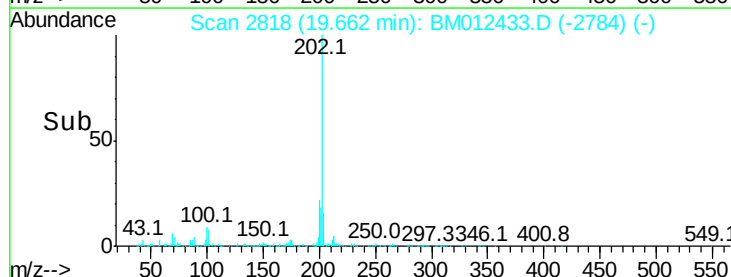


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

Time-->



Time-->