

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)

Quant Time: Oct 25 04:18:02 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

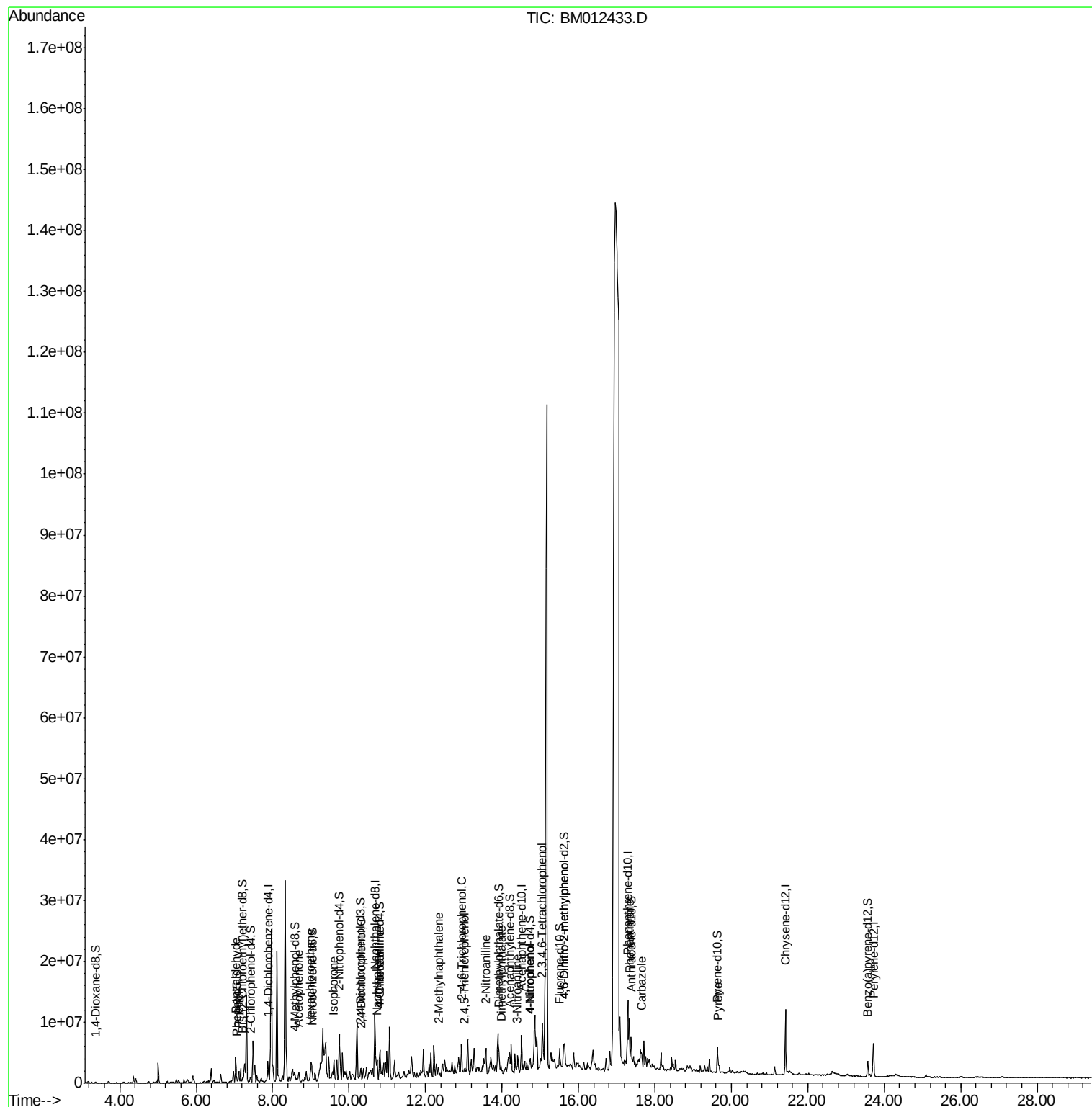
					Ovalue
4) Benzaldehyde	7.03	77	86884	3.01	ng/ul# 1
6) Phenol	7.10	94	82616	1.50	ng/ul# 74
14) Acetophenone	8.69	105	532590	7.48	ng/ul# 28
17) Hexachloroethane	8.99	117	92872	5.39	ng/ul# 1
21) Isophorone	9.60	82	1786642	16.73	ng/ul 97
27) 2,4-Dichlorophenol	10.33	162	77954	1.67	ng/ul# 79
28) Naphthalene	10.72	128	799708	5.77	ng/ul 100
30) 4-Chloroaniline	10.80	127	116001	2.29	ng/ul# 58
34) 2-Methylnaphthalene	12.33	142	535292	4.75	ng/ul 99
38) 2,4,6-Trichlorophenol	12.95	196	190908	4.84	ng/ul 98
39) 2,4,5-Trichlorophenol	13.02	196	152210	3.64	ng/ul 97
42) 2-Nitroaniline	13.57	65	77493	2.86	ng/ul# 1
44) Dimethylphthalate	13.97	163	788633	4.91	ng/ul 99
48) 3-Nitroaniline	14.39	138	51954	2.17	ng/ul# 6
52) 4-Nitrophenol	14.74	109	55964	2.28	ng/ul# 56
55) 2,3,4,6-Tetrachlorophenol	15.06	232	1719751	44.43	ng/ul 97
63) 4,6-Dinitro-2-methylphenol	15.64	198	846838	34.74	ng/ul# 59
69) Phenanthrene	17.33	178	529251	2.14	ng/ul# 92
72) Carbazole	17.66	167	369107	1.74	ng/ul# 91
77) Pyrene	19.66	202	470584	1.72	ng/ul# 89

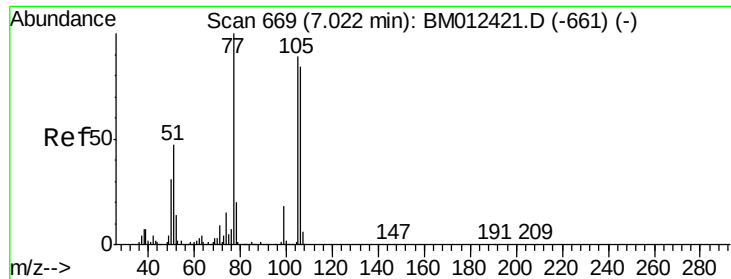
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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#4

Benzaldehyde

Concen: 3.01 ng/ul

RT: 7.03 min Scan# 671

Delta R.T. 0.01 min

Lab File: BM012433.D

Acq: 25 Oct 2017 00:50

Instrument :

BNA_M

ClientSampled :

S1(1-3)

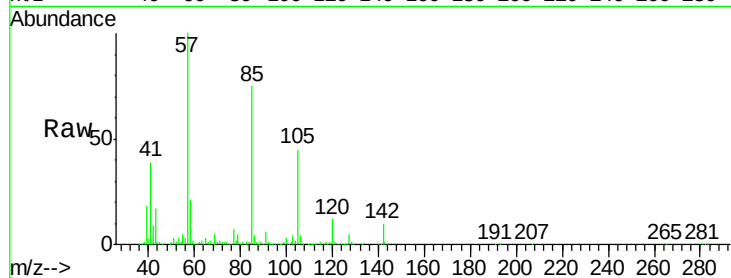
Tot Ion: 77 Resp: 86884

Ion Ratio Lower Upper

77 100

105 686.2 66.1 99.1#

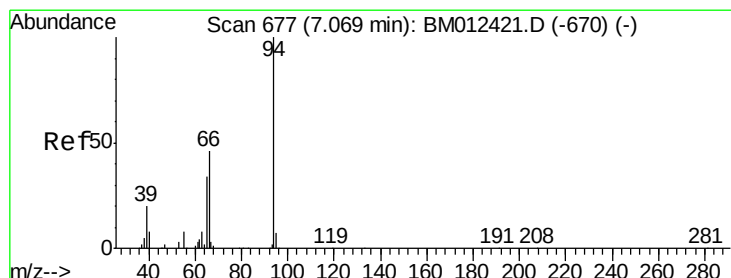
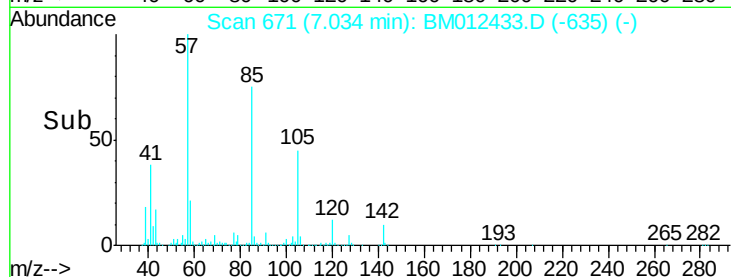
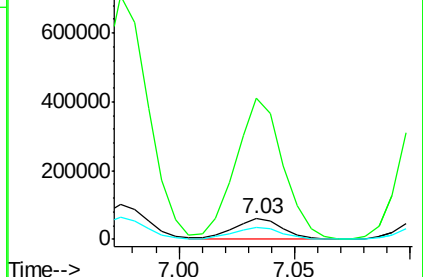
106 59.3 67.8 101.6#



Abundance Ion 77.00 (76.70 to 77.70): BM012421.D (-661) (-)

Ion 105.00 (104.70 to 105.70): BM012421.D (-661) (-)

Ion 106.00 (105.70 to 106.70): BM012421.D (-661) (-)



#6

Phenol

Concen: 1.50 ng/ul

RT: 7.10 min Scan# 682

Delta R.T. 0.03 min

Lab File: BM012433.D

Acq: 25 Oct 2017 00:50

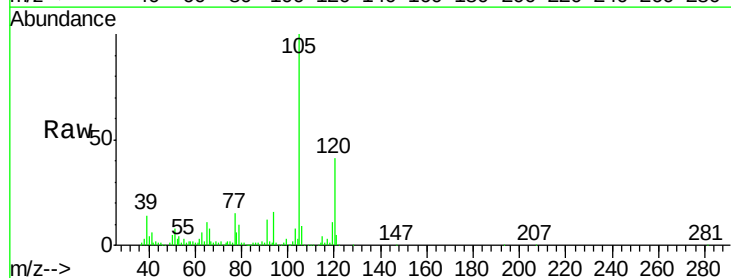
Tgt Ion: 94 Resp: 82616

Ion Ratio Lower Upper

94 100

65 65.5 28.2 42.4#

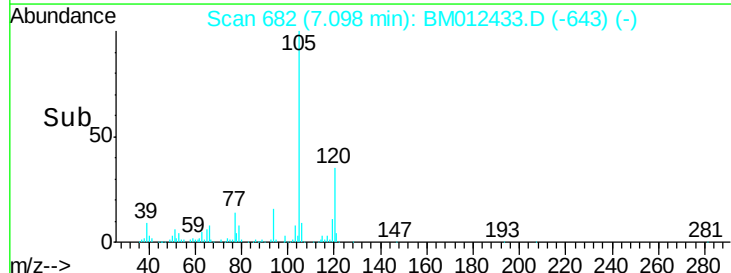
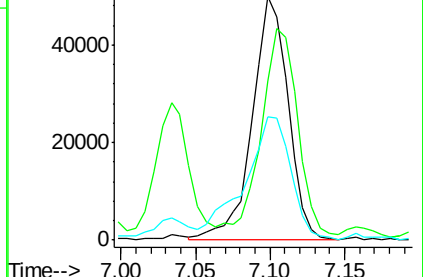
66 50.8 47.2 70.8

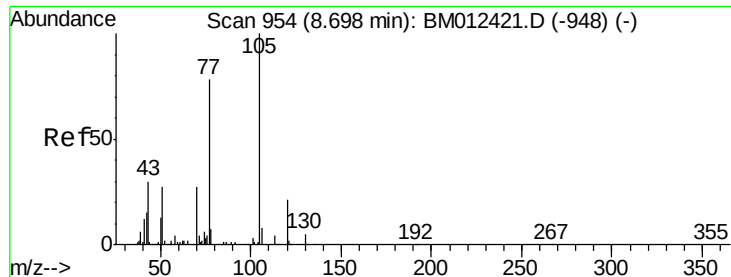


Abundance Ion 94.00 (93.70 to 94.70): BM012421.D (-670) (-)

Ion 65.00 (64.70 to 65.70): BM012421.D (-670) (-)

Ion 66.00 (65.70 to 66.70): BM012421.D (-670) (-)





#14

Acetophenone

Concen: 7.48 ng/ul

RT: 8.69 min Scan# 952

Delta R.T. -0.01 min

Lab File: BM012433.D

Acq: 25 Oct 2017 00:50

Instrument :

BNA_M

ClientSampleId :

S1(1-3)

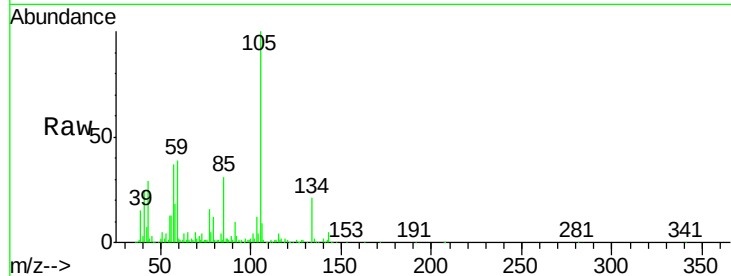
Tot Ion:105 Resp: 532590

Ion Ratio Lower Upper

105 100

77 15.9 74.2 111.4#

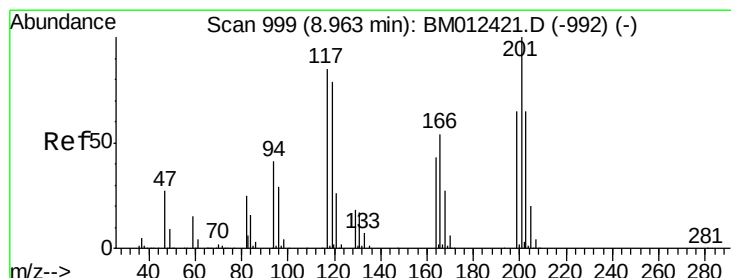
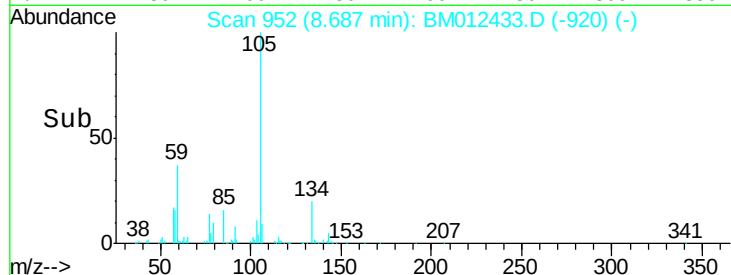
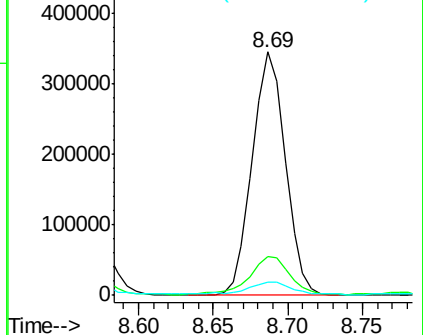
51 5.4 23.4 35.2#



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 51.00 (50.70 to 51.70): BM0



#17

Hexachloroethane

Concen: 5.39 ng/ul

RT: 8.99 min Scan# 1003

Delta R.T. 0.02 min

Lab File: BM012433.D

Acq: 25 Oct 2017 00:50

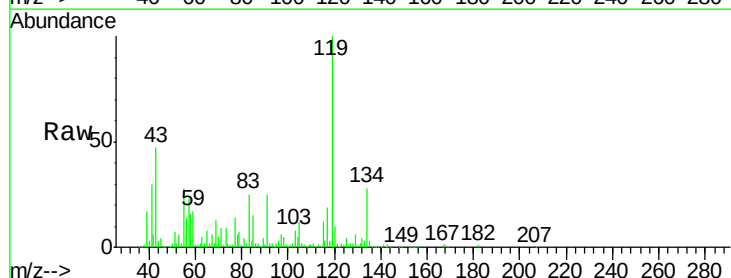
Tgt Ion:117 Resp: 92872

Ion Ratio Lower Upper

117 100

201 0.0 111.6 167.4#

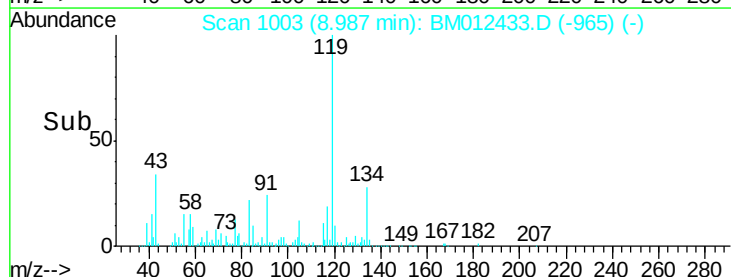
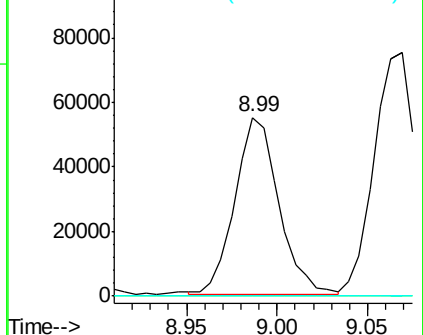
199 0.0 67.8 101.6#

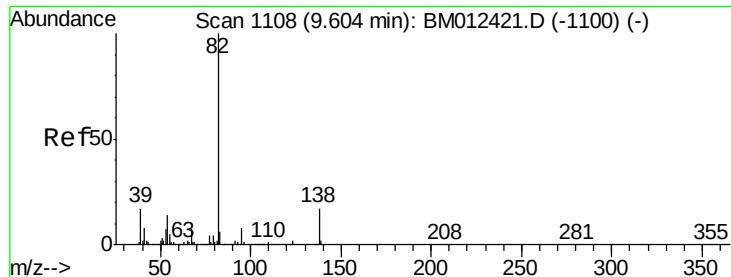


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E





#21

Isophorone

Concen: 16.73 ng/ul

RT: 9.60 min Scan# 1108

Delta R.T. 0.00 min

Lab File: BM012433.D

Acq: 25 Oct 2017 00:50

Instrument :

BNA_M

ClientSampleId :

S1(1-3)

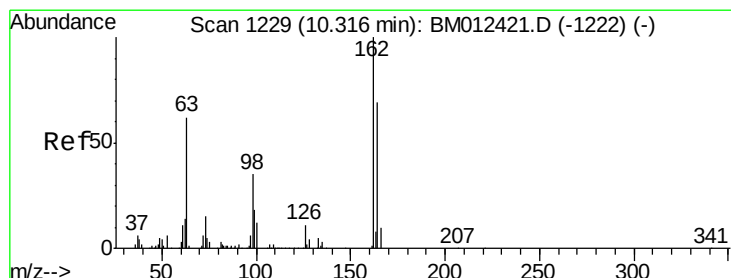
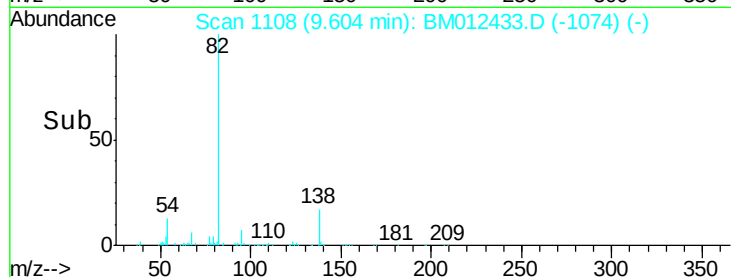
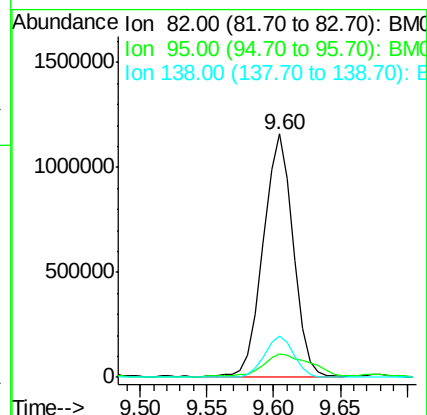
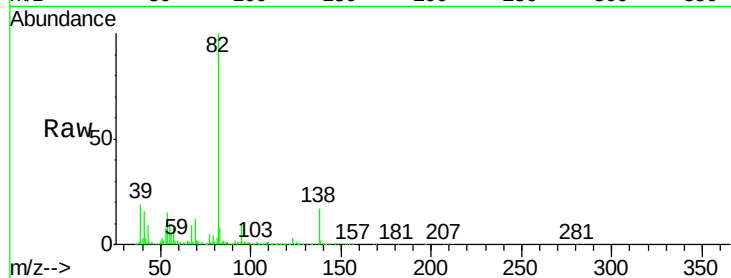
Tot Ion: 82 Resp: 1786642

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: 1.67 ng/ul

RT: 10.33 min Scan# 1231

Delta R.T. 0.01 min

Lab File: BM012433.D

Acq: 25 Oct 2017 00:50

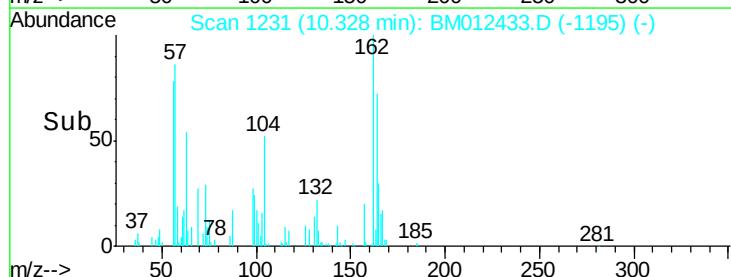
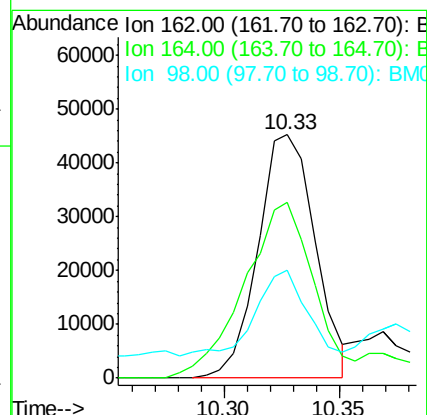
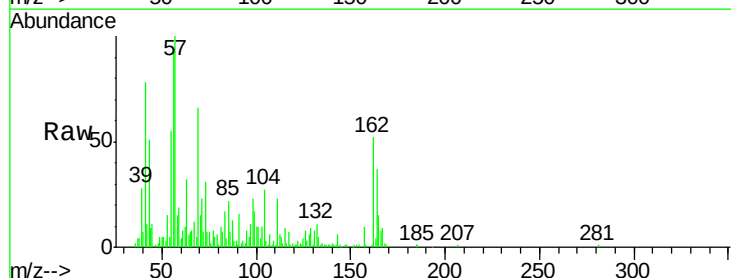
Tgt Ion: 162 Resp: 77954

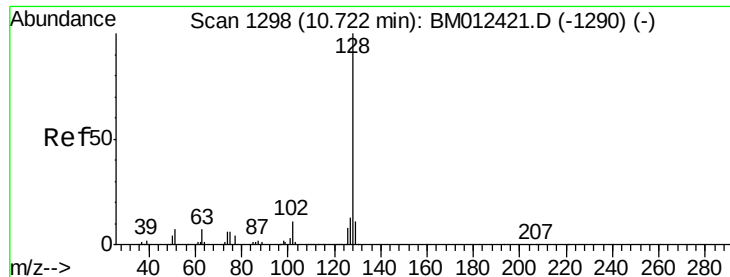
Ion Ratio Lower Upper

162 100

164 72.0 47.8 71.6#

98 44.5 23.0 34.4#





#28

Naphthalene

Concen: 5.77 ng/ul

RT: 10.72 min Scan# 1298

Delta R.T. 0.00 min

Lab File: BM012433.D

Acq: 25 Oct 2017 00:50

Instrument :

BNA_M

ClientSampleId :

S1(1-3)

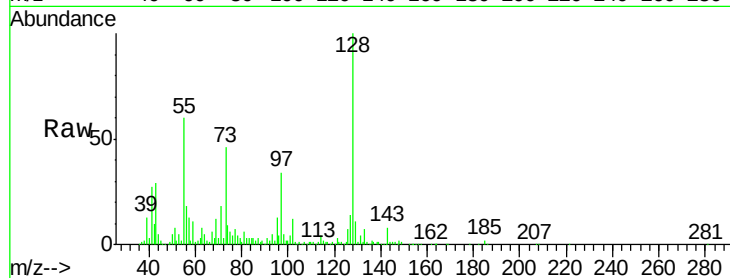
Tot Ion:128 Resp: 799708

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

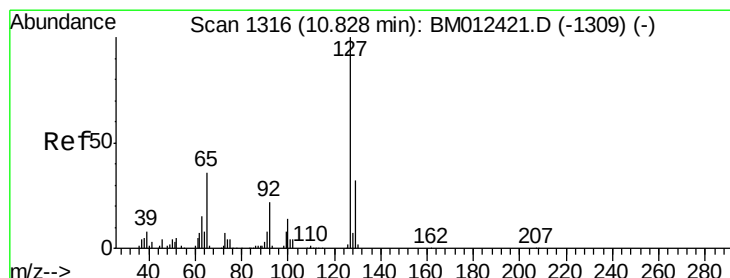
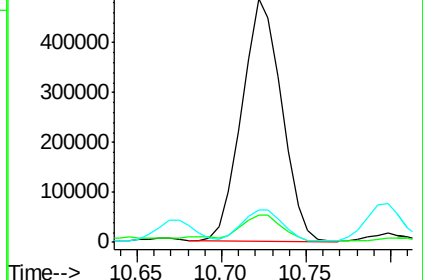
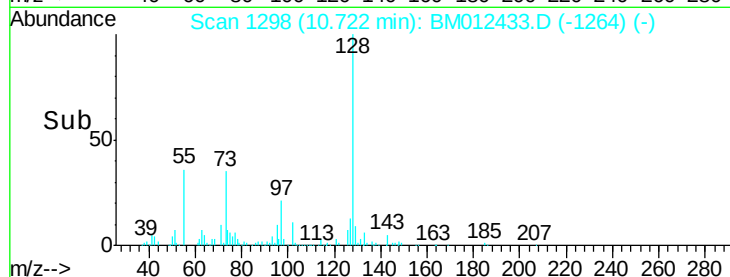
127 13.5 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#30

4-Chloroaniline

Concen: 2.29 ng/ul

RT: 10.80 min Scan# 1311

Delta R.T. -0.03 min

Lab File: BM012433.D

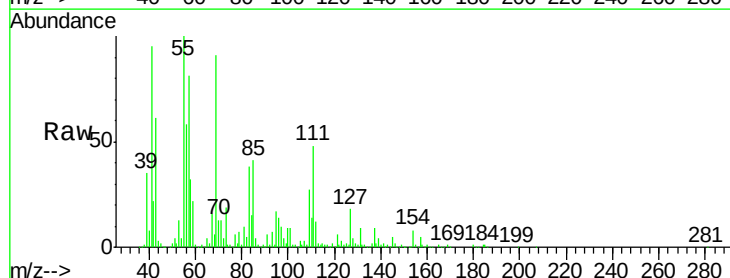
Acq: 25 Oct 2017 00:50

Tgt Ion:127 Resp: 116001

Ion Ratio Lower Upper

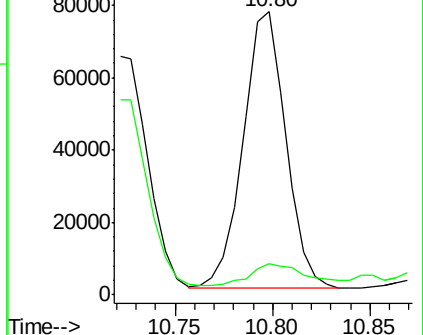
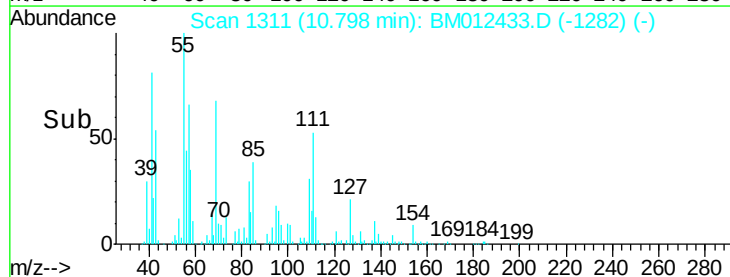
127 100

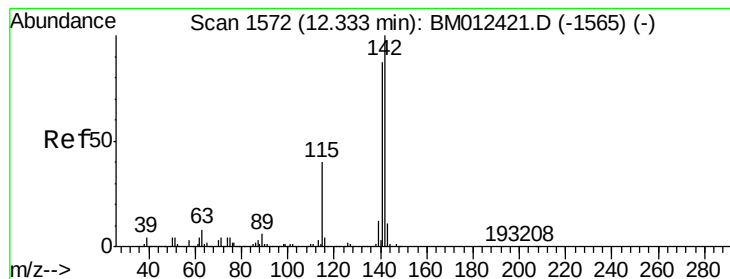
129 10.8 28.4 42.6#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E





#34

2-Methylnaphthalene

Concen: 4.75 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 :

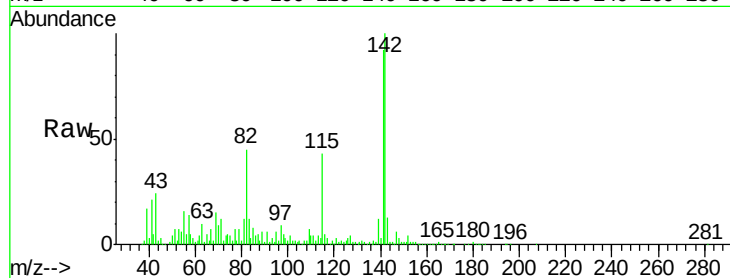
S1(1-3)

Tot Ion:142 Resp: 535292

Ion Ratio Lower Upper

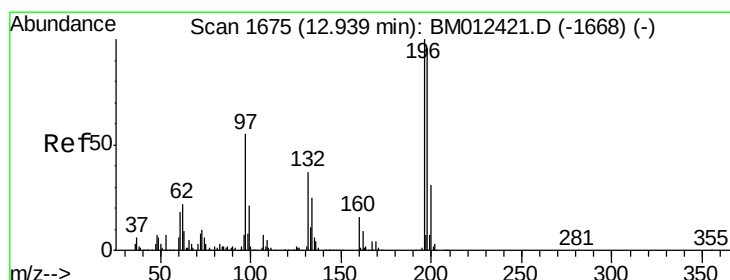
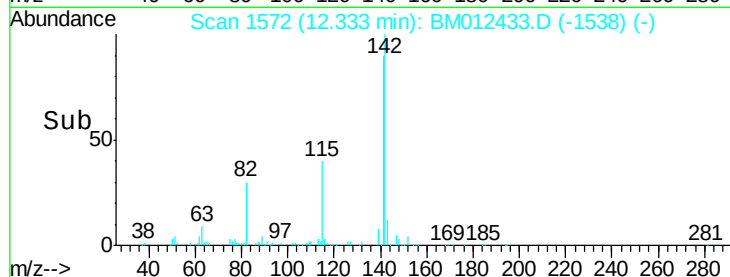
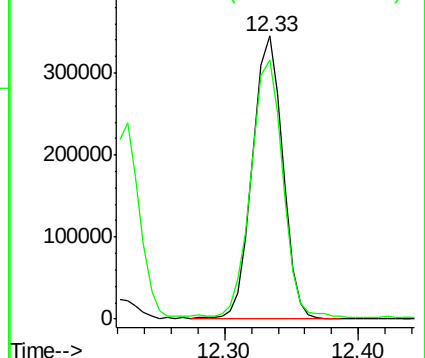
142 100

141 91.5 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#38

2,4,6-Trichlorophenol

Concen: 4.84 ng/ul

RT: 12.95 min Scan# 1676

Delta R.T. 0.01 min

Lab File: BM012433.D

Acq: 25 Oct 2017 00:50

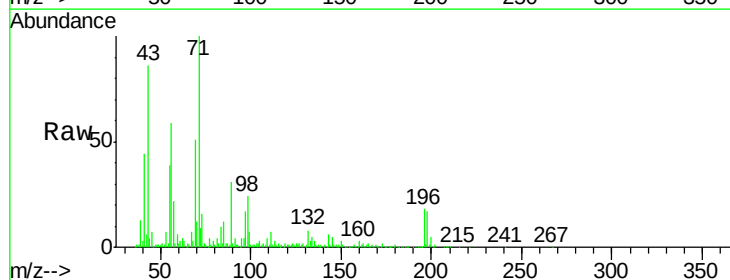
Tgt Ion:196 Resp: 190908

Ion Ratio Lower Upper

196 100

198 94.1 74.1 111.1

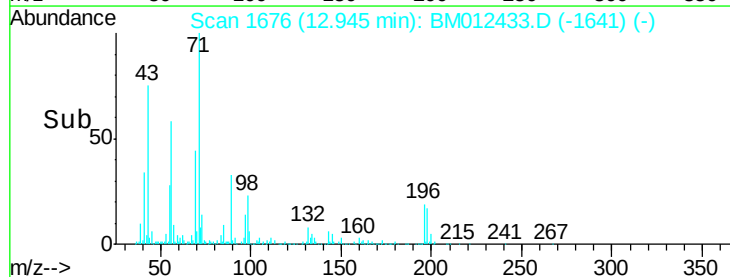
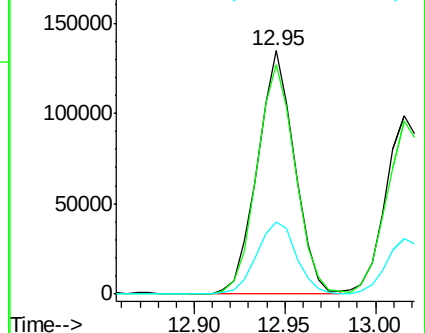
200 29.4 25.2 37.8

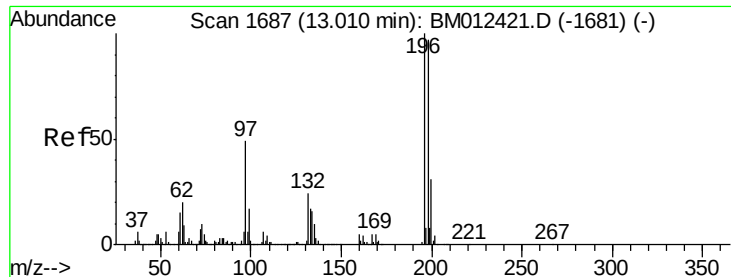


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

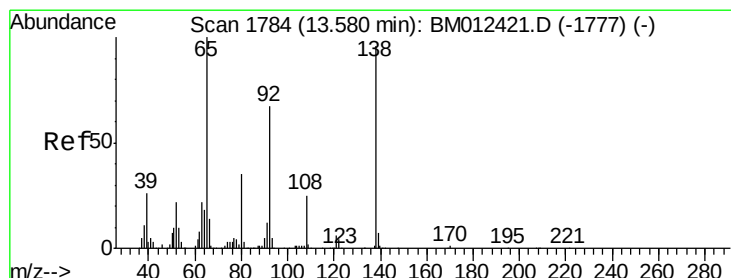
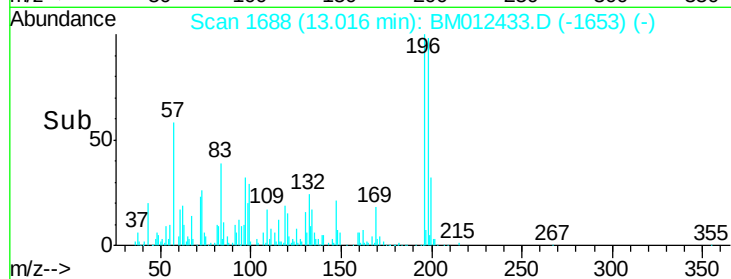
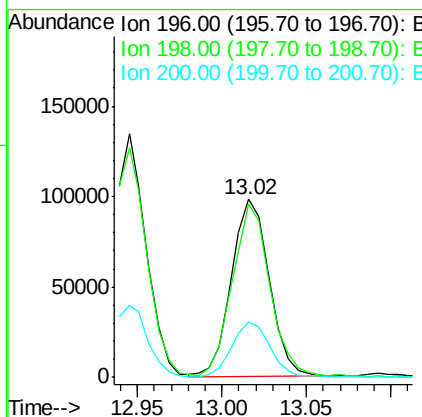
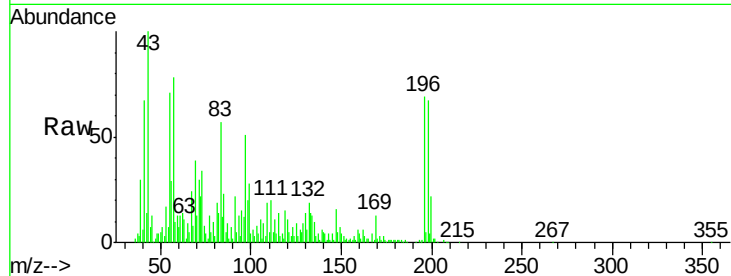




#39
 2,4,5-Trichlorophenol
 Concen: 3.64 ng/ul
 RT: 13.02 min Scan# 1688
 Delta R.T. 0.01 min
 Lab File: BM012433.D
 Acq: 25 Oct 2017 00:50

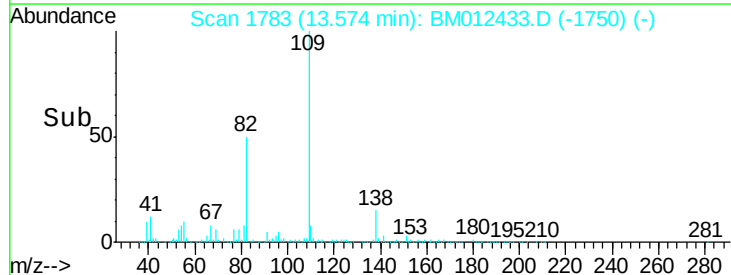
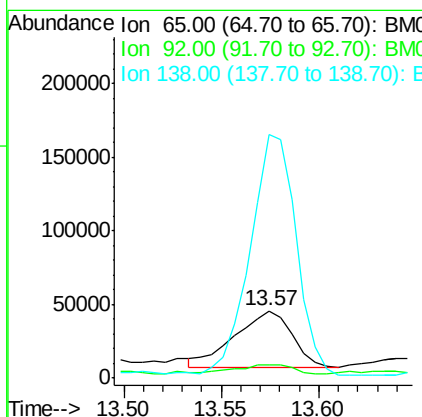
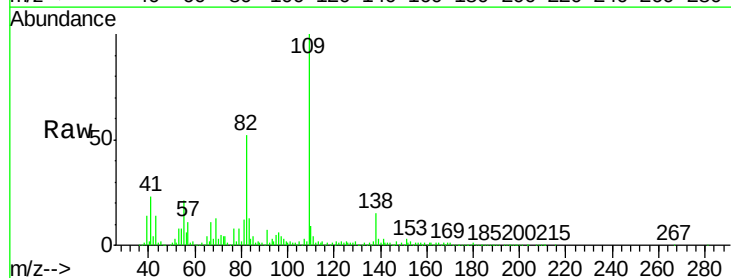
Instrument :
 BNA_M
 ClientSampleId :
 S1(1-3)

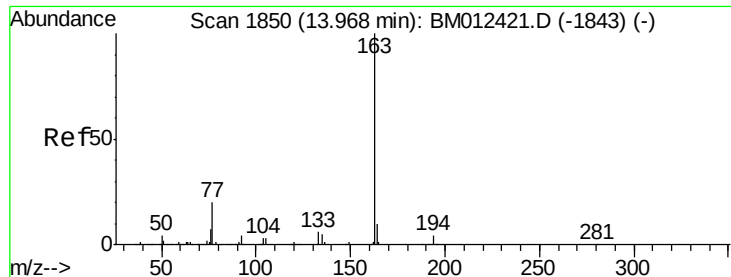
Tot Ion:196 Resp: 152210
 Ion Ratio Lower Upper
 196 100
 198 97.6 75.6 113.4
 200 31.5 25.5 38.3



#42
 2-Nitroaniline
 Concen: 2.86 ng/ul
 RT: 13.57 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: BM012433.D
 Acq: 25 Oct 2017 00:50

Tgt Ion: 65 Resp: 77493
 Ion Ratio Lower Upper
 65 100
 92 20.2 51.8 77.6#
 138 360.3 74.2 111.4#

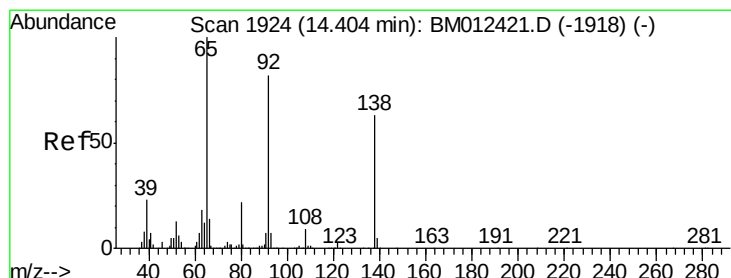
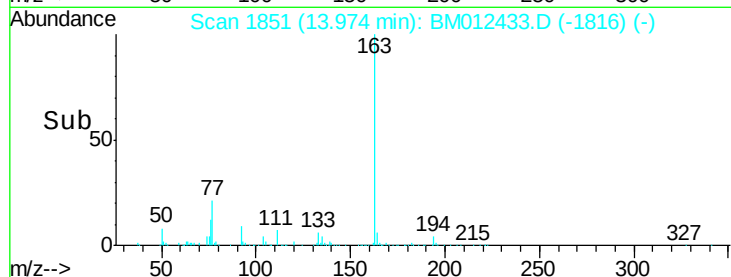
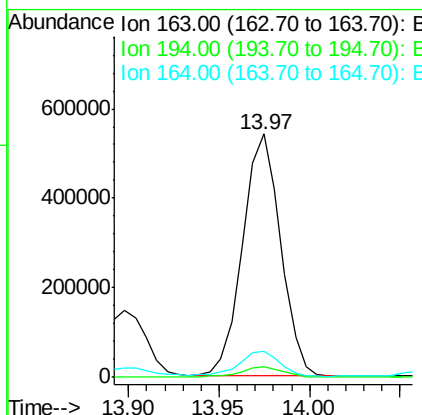
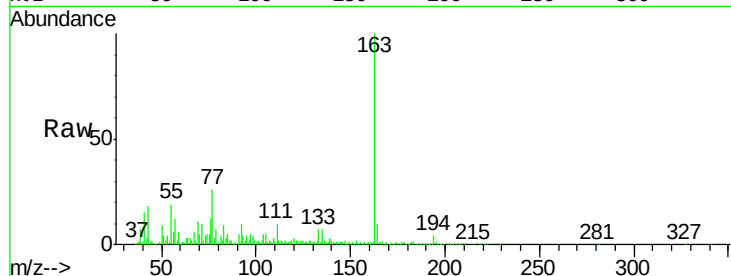




#44
Dimethylphthalate
Concen: 4.91 ng/ul
RT: 13.97 min Scan# 1851
Delta R.T. 0.01 min
Lab File: BM012433.D
Acq: 25 Oct 2017 00:50

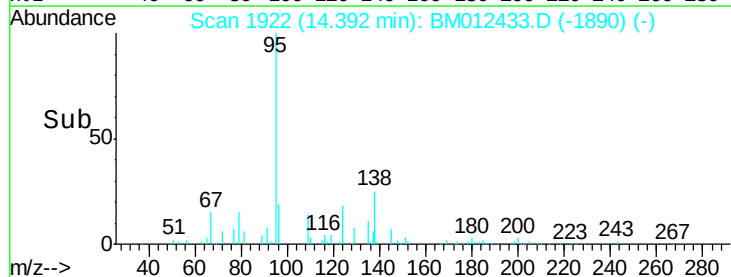
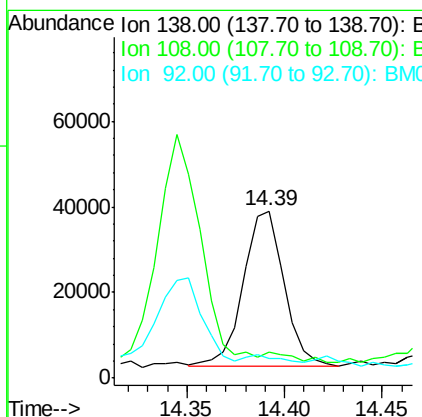
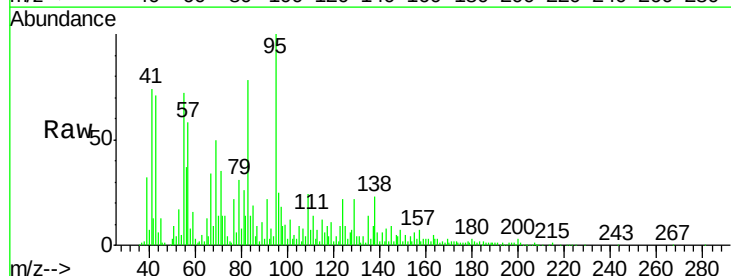
Instrument :
BNA_M
ClientSampleId :
S1(1-3)

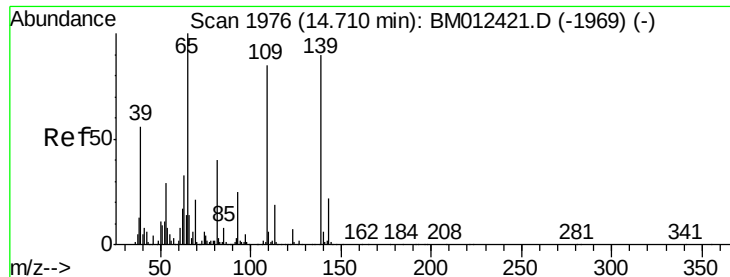
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.5	5.3
164	10.5	8.2	12.4



#48
3-Nitroaniline
Concen: 2.17 ng/ul
RT: 14.39 min Scan# 1922
Delta R.T. -0.01 min
Lab File: BM012433.D
Acq: 25 Oct 2017 00:50

Tgt Ion	Ratio	Lower	Upper
138	100		
108	15.8	9.9	14.9#
92	11.4	105.0	157.4#

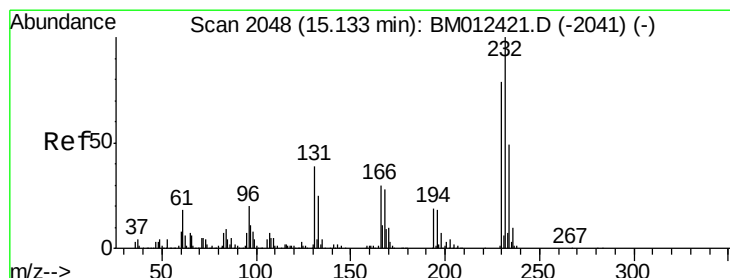
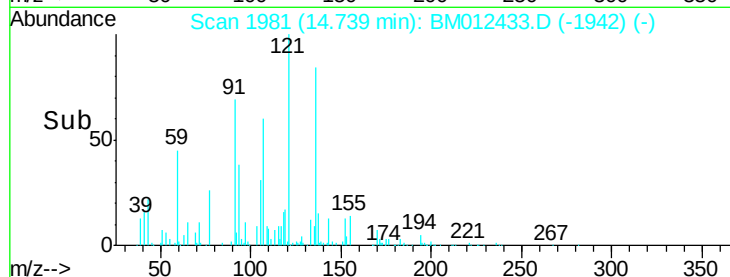
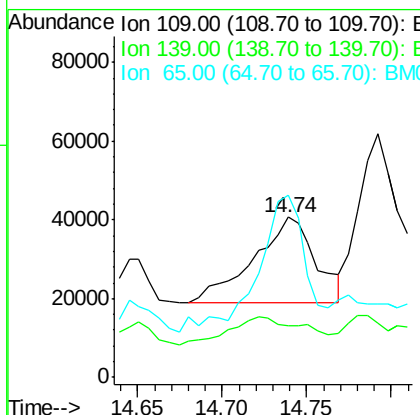
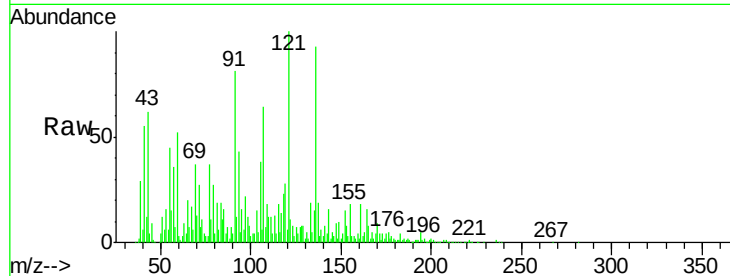




#52
4-Nitrophenol
Concen: 2.28 na/ul
RT: 14.74 min Scan# 1981
Delta R.T. 0.03 min
Lab File: BM012433.D
Acq: 25 Oct 2017 00:50

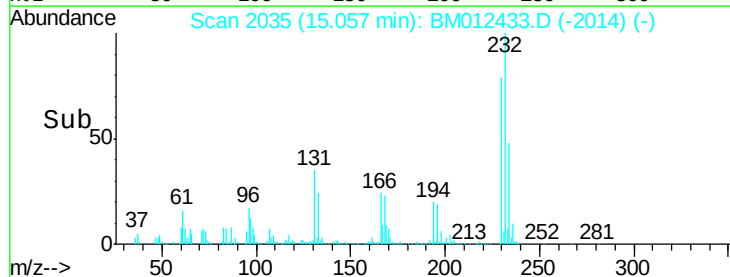
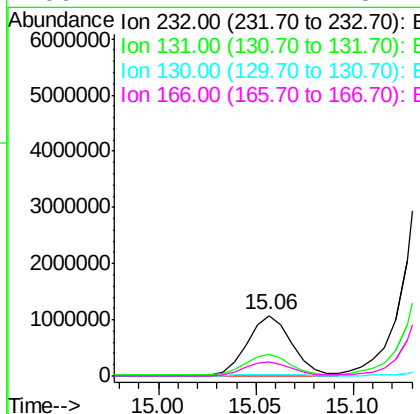
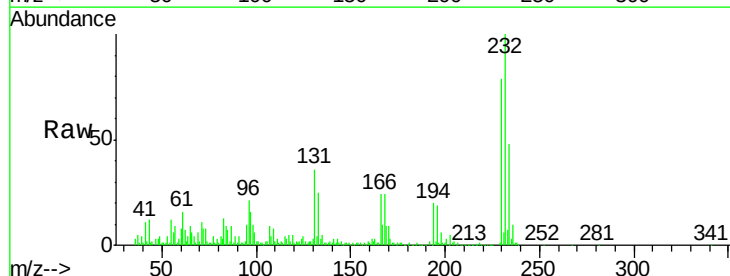
Instrument :
BNA_M
ClientSampleId :
S1(1-3)

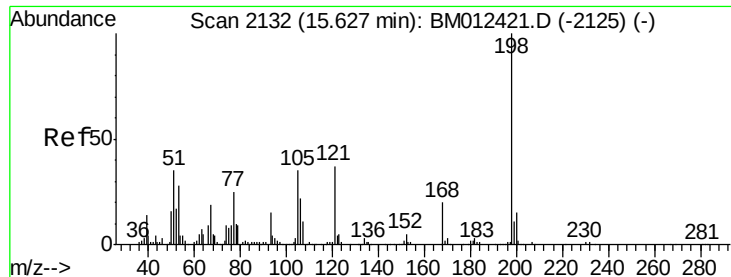
Tot Ion	Ratio	Lower	Upper
109	100		
139	32.4	80.0	120.0#
65	113.7	120.0	180.0#



#55
2,3,4,6-Tetrachlorophenol
Concen: 44.43 ng/ul
RT: 15.06 min Scan# 2035
Delta R.T. -0.08 min
Lab File: BM012433.D
Acq: 25 Oct 2017 00:50

Tgt Ion	Ratio	Lower	Upper
232	100		
131	35.7	29.0	43.4
130	2.6	2.0	3.0
166	24.1	21.4	32.2

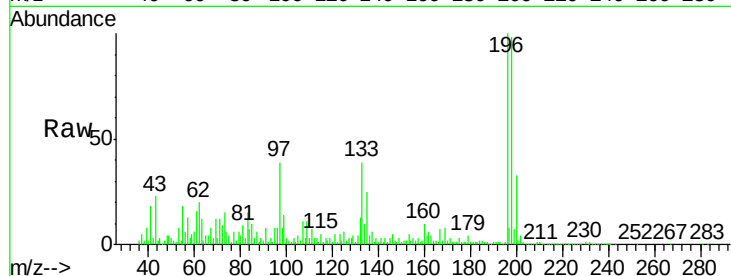




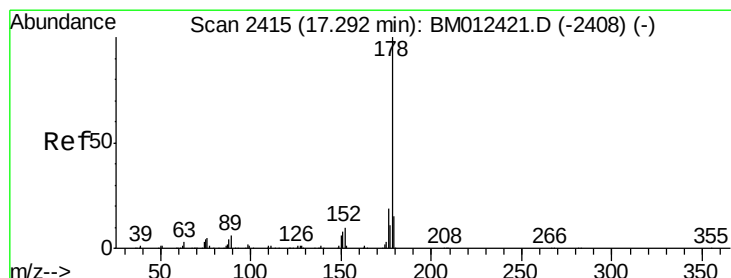
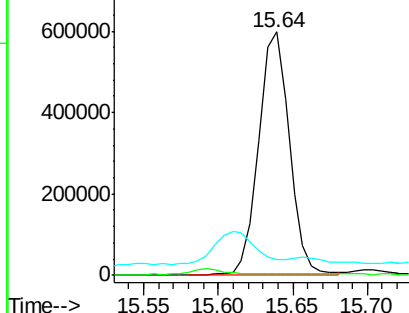
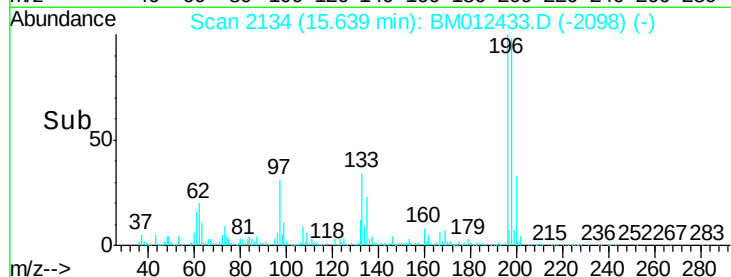
#63
 4,6-Dinitro-2-methylphenol
 Concen: 34.74 ng/ul
 RT: 15.64 min Scan# 2134
 Delta R.T. 0.01 min
 Lab File: BM012433.D
 Acq: 25 Oct 2017 00:50

Instrument :
 BNA_M
 ClientSampleId :
 S1(1-3)

Tot Ion	Ratio	Lower	Upper
198	100		
182	0.7	3.8	5.6#
77	6.4	25.2	37.8#

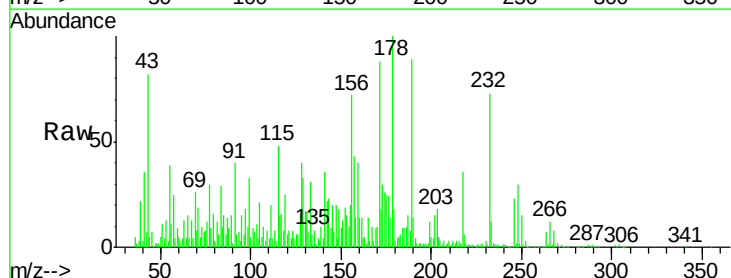


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 77.00 (76.70 to 77.70): BMO

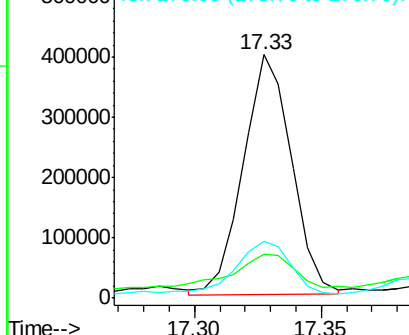
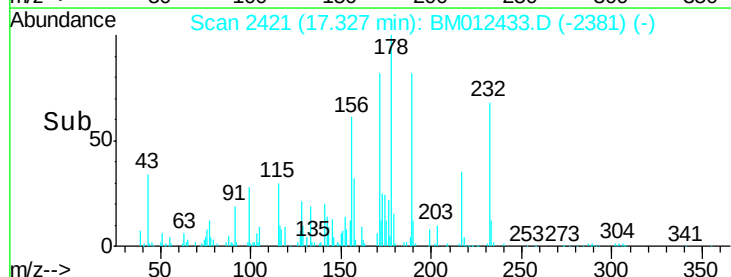


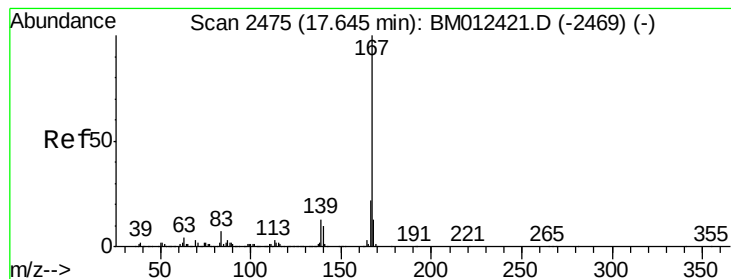
#69
 Phenanthrene
 Concen: 2.14 ng/ul
 RT: 17.33 min Scan# 2421
 Delta R.T. 0.04 min
 Lab File: BM012433.D
 Acq: 25 Oct 2017 00:50

Tgt Ion	Ratio	Lower	Upper
178	100		
179	18.1	12.6	19.0
176	23.5	14.9	22.3#



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 1.74 ng/ul

RT: 17.66 min Scan# 2478

Delta R.T. 0.02 min

Lab File: BM012433.D

Acq: 25 Oct 2017 00:50

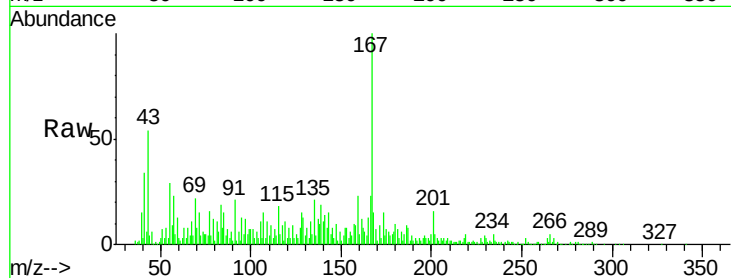
Instrument :

BNA_M

ClientSampleId :

S1(1-3)

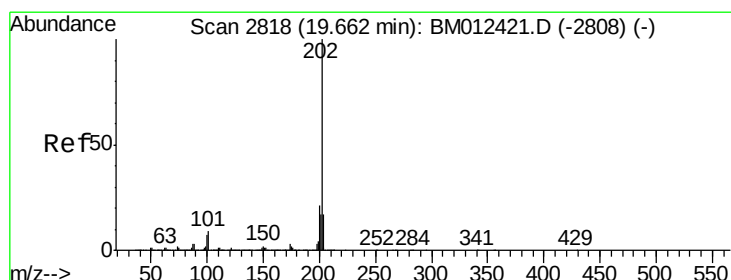
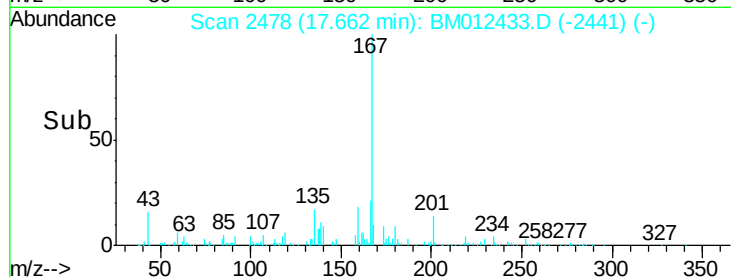
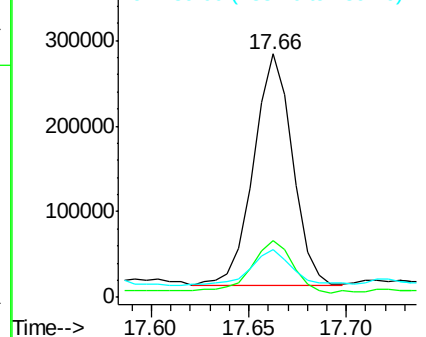
Tot Ion:167	Resp:	369107
Ion Ratio	Lower	Upper
167	100	
166	23.3	17.1 25.7
139	19.5	10.0 15.0#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#77

Pyrene

Concen: 1.72 ng/ul

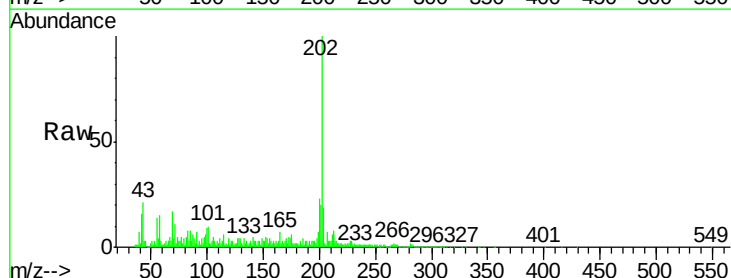
RT: 19.66 min Scan# 2818

Delta R.T. 0.00 min

Lab File: BM012433.D

Acq: 25 Oct 2017 00:50

Tgt Ion:202	Resp:	470584
Ion Ratio	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

