

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061219\
 Data File : BM020911.D
 Acq On : 12 Jun 2019 19:42
 Operator : HP/JU
 Sample : K3215-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jun 13 05:55:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 13 01:55:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	378887	20.00	ng/ul	0.01
18) Naphthalene-d8	10.65	136	1341836	20.00	ng/ul	0.04
35) Acenaphthene-d10	14.48	164	876272	20.00	ng/ul	0.03
61) Phenanthrene-d10	17.24	188	1811840	20.00	ng/ul	0.05
77) Chrysene-d12	21.37	240	1421000	20.00	ng/ul	0.00
85) Perylene-d12	23.66	264	1580469	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.30	96	27850	3.50	ng/uL	0.00
5) Phenol-d5	7.00	99	47601	1.64	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.17	67	743732	42.79	ng/ul	0.02
9) 2-Chlorophenol-d4	7.34	132	2057	0.09	ng/ul	0.00
13) 4-Methylphenol-d8	8.54	113	39710	1.70	ng/ul	0.03
19) Nitrobenzene-d5	9.02	128	551366	60.20	ng/ul	0.05
22) 2-Nitrophenol-d4	9.75	143	467012	49.54	ng/ul	0.06
26) 2,4-Dichlorophenol-d3	10.22	165	545	0.03	ng/ul	0.00
29) 4-Chloroaniline-d4	10.75	131	231589	9.78	ng/ul	0.01
43) Dimethylphthalate-d6	13.94	166	3085262	47.60	ng/ul	0.08
46) Acenaphthylene-d8	14.17	160	3683033	44.81	ng/ul	0.04
51) 4-Nitrophenol-d4	14.68	143	66513	5.98	ng/ul	0.04
57) Fluorene-d10	15.47	176	2767355	50.24	ng/ul	0.03
62) 4,6-Dinitro-2-methylphenol	15.61	200	387129	41.78	ng/ul	0.05
70) Anthracene-d10	17.33	188	3650027	46.12	ng/ul	0.04
78) Pyrene-d10	19.60	212	3583979	52.18	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.51	264	3807643	53.01	ng/ul	0.00

Target Compounds

					Ovalue
2) 1,4-Dioxane	3.34	88	48553	5.817	ng/uL# 54
4) Benzaldehyde	6.97	77	367211	16.812	ng/ul# 1
8) Bis(2-Chloroethyl)ether	7.29	93	232139	10.026	ng/ul# 79
12) 2,2'-oxybis(1-Chloropropan	8.32	45	580965	19.141	ng/ul# 79
14) Acetophenone	8.65	105	1510939	41.923	ng/ul# 34
15) N-Nitroso-di-n-propylamine	8.63	70	35695	1.881	ng/ul# 1
16) 4-Methylphenol	8.49	108	267500	11.030	ng/ul 91
17) Hexachloroethane	8.94	117	413528	41.409	ng/ul# 4
20) Nitrobenzene	9.02	77	57204	2.481	ng/ul# 10
21) Isophorone	9.56	82	68432	1.606	ng/ul# 1
24) 2,4-Dimethylphenol	9.83	107	232545	10.234	ng/ul# 54
25) Bis(2-Chloroethoxy)methane	10.08	93	690524	26.124	ng/ul# 41
28) Naphthalene	10.69	128	4170396	66.174	ng/ul# 95
30) 4-Chloroaniline	10.83	127	30744	1.270	ng/ul# 1
32) Caprolactam	11.57	113	32979	5.821	ng/ul# 1
33) 4-Chloro-3-methylphenol	11.87	107	214191	10.673	ng/ul# 30
34) 2-Methylnaphthalene	12.30	142	1830938	39.554	ng/ul 92
38) 2,4,6-Trichlorophenol	12.80	196	152075	8.917	ng/ul 96
39) 2,4,5-Trichlorophenol	13.01	196	374426	20.215	ng/ul 96
40) 1,1'-Biphenyl	13.31	154	196959	2.896	ng/ul# 67
41) 2-Chloronaphthalene	13.39	162	5741174	109.702	ng/ul# 45
42) 2-Nitroaniline	13.55	65	82248	6.052	ng/ul# 42
44) Dimethylphthalate	13.91	163	642154	9.894	ng/ul# 12

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061219\
 Data File : BM020911.D
 Acq On : 12 Jun 2019 19:42
 Operator : HP/JU
 Sample : K3215-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

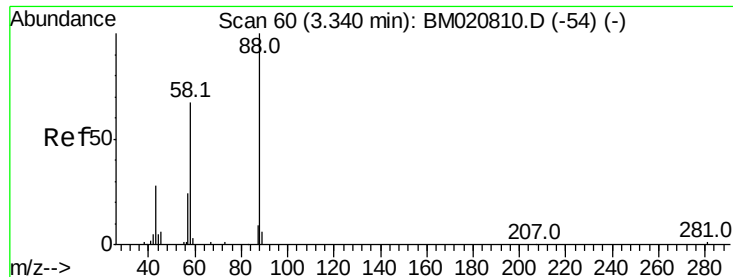
Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jun 13 05:55:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 13 01:55:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

48) 3-Nitroaniline	14.40	138	23881	2.038	ng/ul#	20
50) 2,4-Dinitrophenol	14.62	184	18021	2.762	ng/ul#	1
52) 4-Nitrophenol	14.69	109	189437	20.774	ng/ul#	25
53) Dibenzofuran	14.88	168	258130	3.288	ng/ul#	1
55) 2,3,4,6-Tetrachlorophenol	15.07	232	1859626	119.490	ng/ul#	90
58) Fluorene	15.53	166	80602	1.279	ng/ul#	71
63) 4,6-Dinitro-2-methylphenol	15.60	198	22539	2.290	ng/ul#	1
64) N-Nitrosodiphenylamine	15.74	169	863972	16.959	ng/ul#	23
68) Pentachlorophenol	16.93	266	53365525	4215.946	ng/ul	95
69) Phenanthrene	17.27	178	138199	1.516	ng/ul#	49
73) Pentachlorobenzene	14.79	250	135991	5.376	ng/uL	97

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



#2

1,4-Dioxane

Concen: 5.817 ng/uL

RT: 3.34 min Scan# 60

Delta R.T. 0.00 min

Lab File: BM020911.D

Acq: 12 Jun 2019 19:42

Instrument :

BNA_M

ClientSampleId :

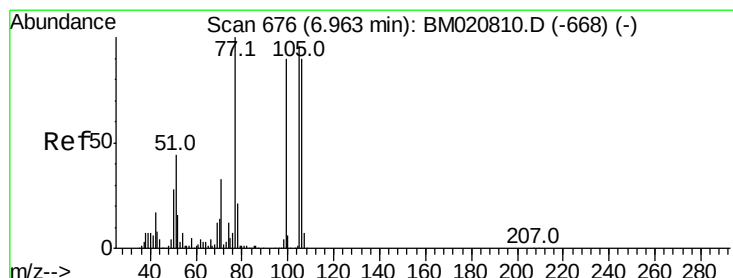
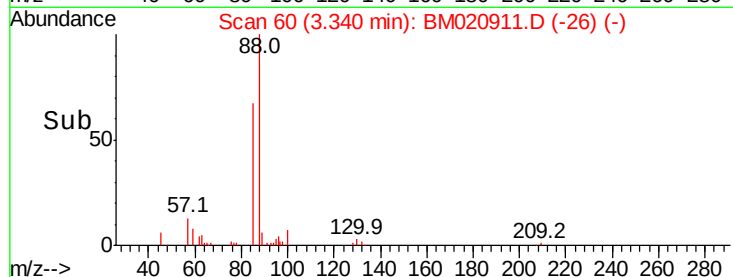
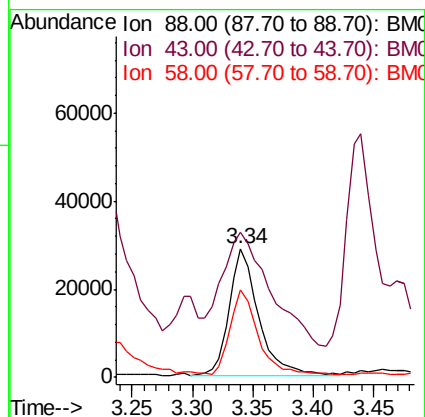
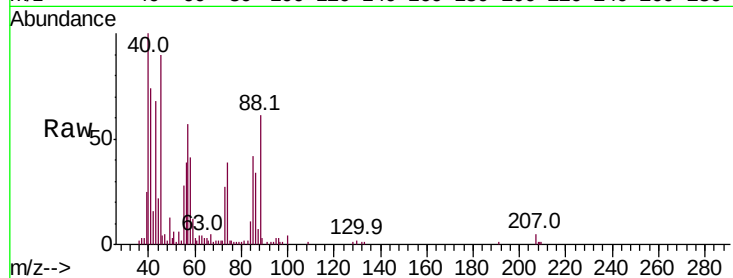
Tot Ion: 88 Resp: 48553

Ion Ratio Lower Upper

88 100

43 113.1 29.8 44.8#

58 68.4 57.2 85.8



#4

Benzaldehyde

Concen: 16.812 ng/uL

RT: 6.97 min Scan# 677

Delta R.T. 0.01 min

Lab File: BM020911.D

Acq: 12 Jun 2019 19:42

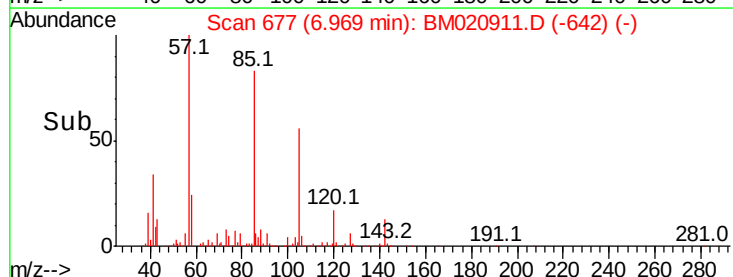
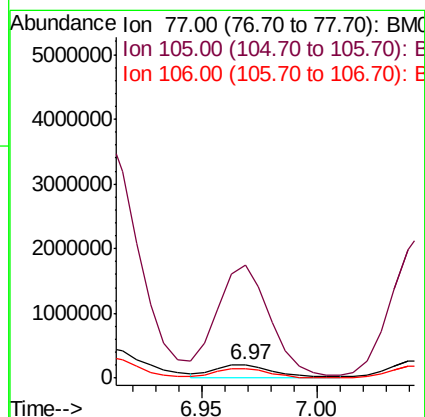
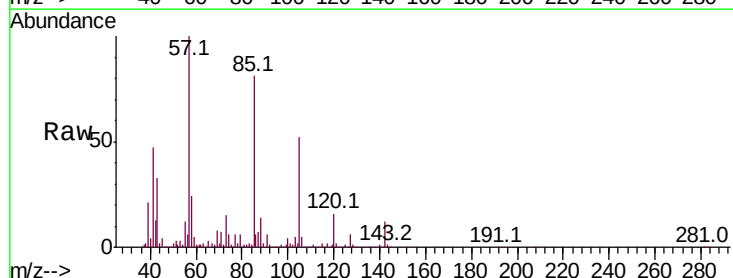
Tgt Ion: 77 Resp: 367211

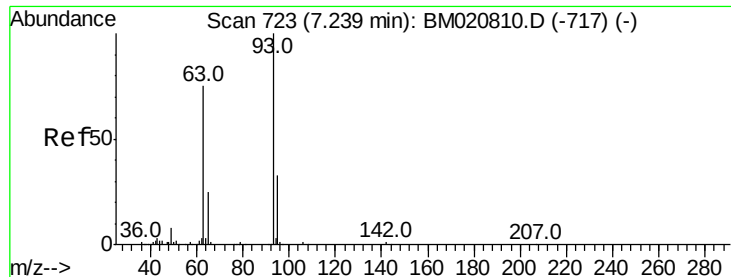
Ion Ratio Lower Upper

77 100

105 826.0 74.7 112.1#

106 71.5 72.3 108.5#



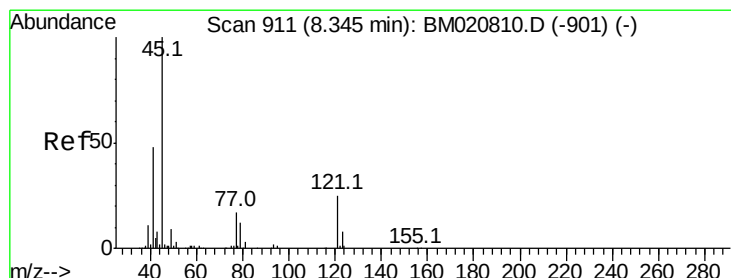
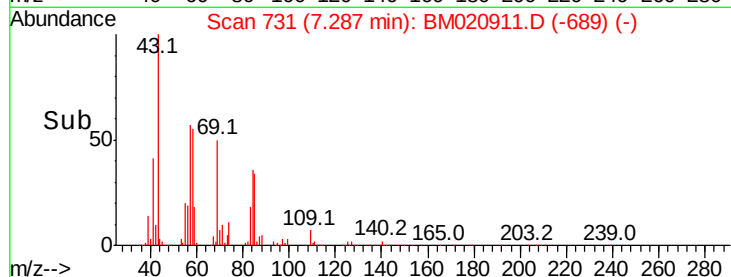
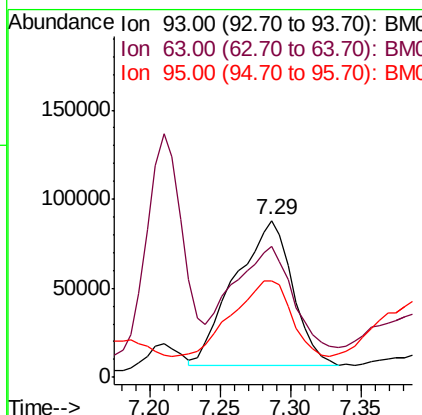
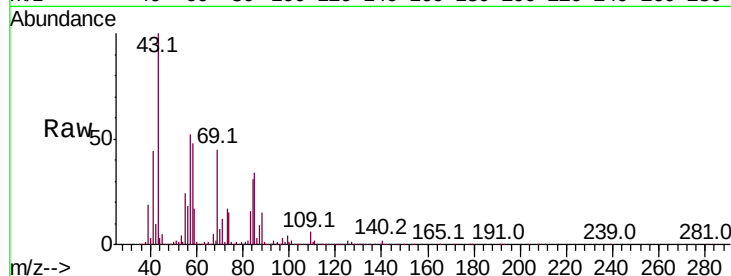


#8

Bis(2-Chloroethyl)ether
 Concen: 10.026 ng/ul
 RT: 7.29 min Scan# 731
 Delta R.T. 0.05 min
 Lab File: BM020911.D
 Acq: 12 Jun 2019 19:42

Instrument :
 BNA_M
 ClientSampleId :

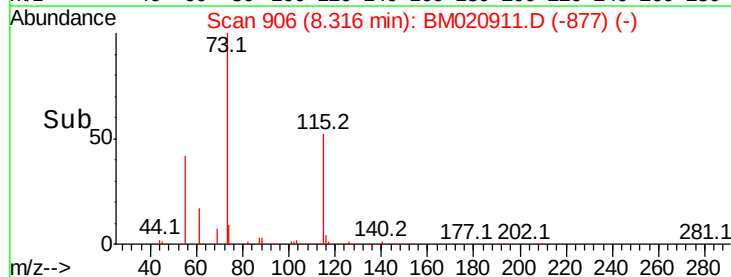
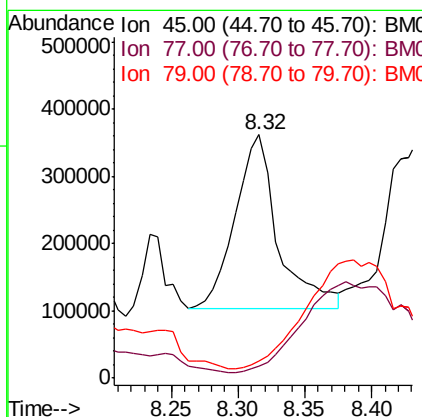
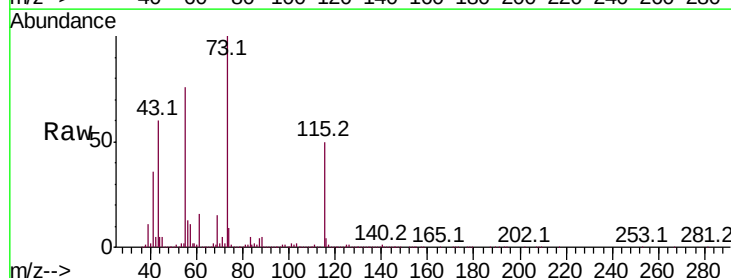
Tot Ion	Ratio	Lower	Upper
93	100		
63	83.5	61.8	92.6
95	61.4	25.4	38.2

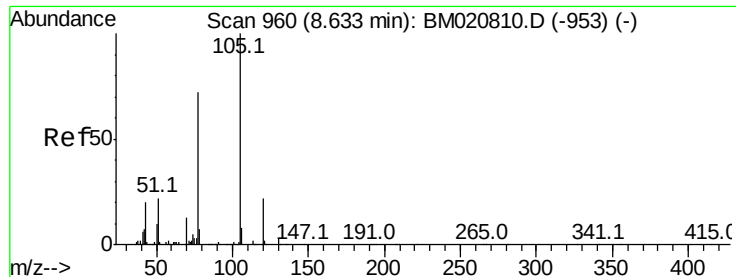


#12

2,2'-oxybis(1-Chloropropane)
 Concen: 19.141 ng/ul
 RT: 8.32 min Scan# 906
 Delta R.T. -0.03 min
 Lab File: BM020911.D
 Acq: 12 Jun 2019 19:42

Tgt Ion	Ratio	Lower	Upper
45	100		
77	4.9	13.0	19.4
79	7.2	10.2	15.4





#14

Acetophenone

Concen: 41.923 ng/ul

RT: 8.65 min Scan# 963

Delta R.T. 0.02 min

Lab File: BM020911.D

Acq: 12 Jun 2019 19:42

Instrument :

BNA_M

ClientSampleId :

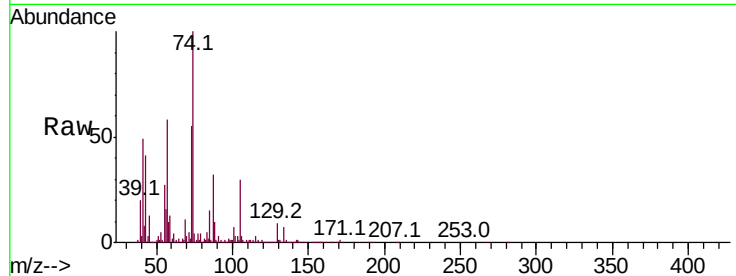
Tot Ion:105 Resp: 1510939

Ion Ratio Lower Upper

105 100

77 13.7 64.6 97.0#

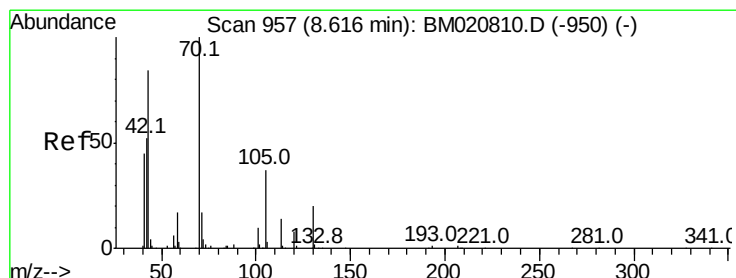
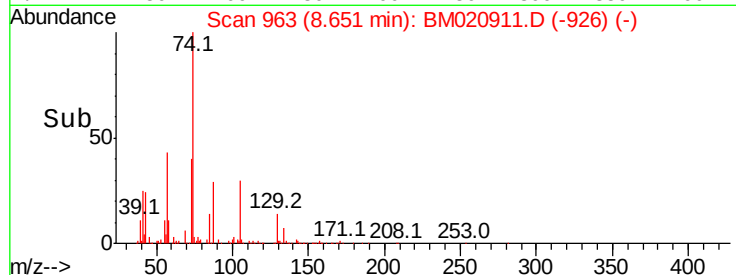
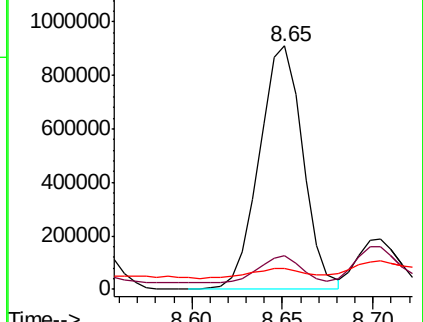
51 8.6 21.4 32.2#



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM

Ion 51.00 (50.70 to 51.70): BM



#15

N-Nitroso-di-n-propylamine

Concen: 1.881 ng/ul

RT: 8.63 min Scan# 960

Delta R.T. 0.02 min

Lab File: BM020911.D

Acq: 12 Jun 2019 19:42

Tgt Ion: 70 Resp: 35695

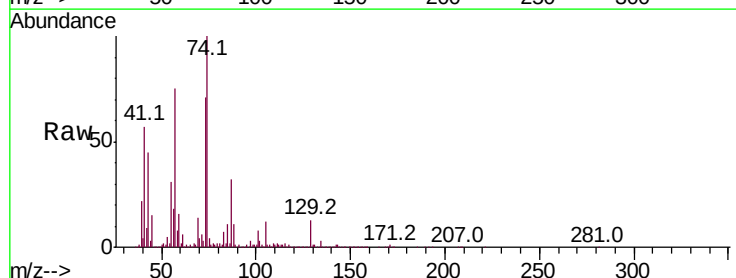
Ion Ratio Lower Upper

70 100

42 233.6 43.6 65.4#

101 206.7 8.2 12.2#

130 34.1 15.8 23.8#

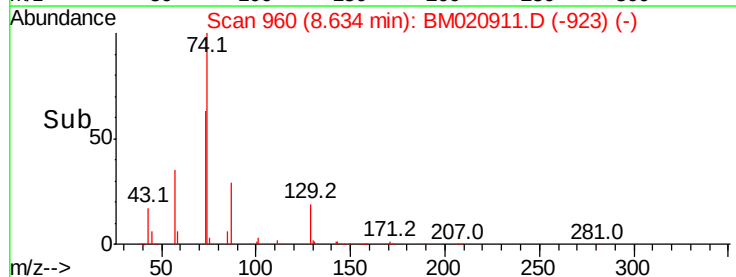
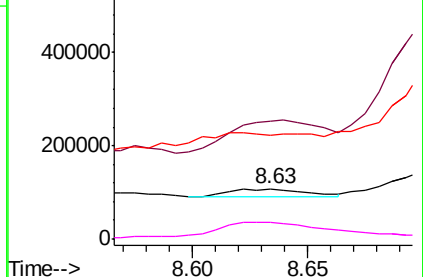


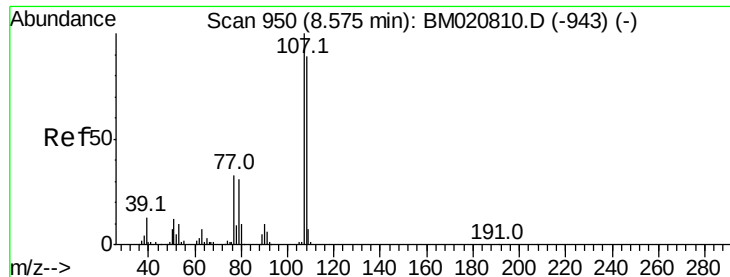
Abundance Ion 70.00 (69.70 to 70.70): BM

Ion 42.00 (41.70 to 42.70): BM

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#16

4-Methylphenol

Concen: 11.030 ng/ul

RT: 8.49 min Scan# 936

Delta R.T. -0.08 min

Lab File: BM020911.D

Acq: 12 Jun 2019 19:42

Instrument :

BNA_M

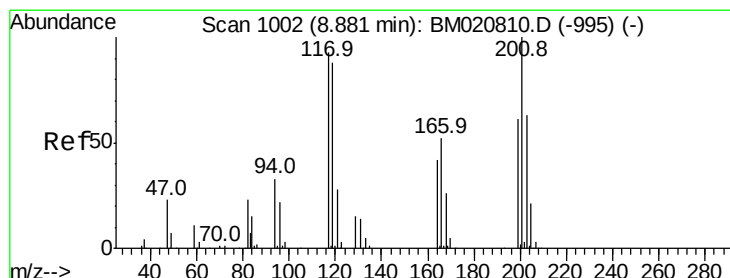
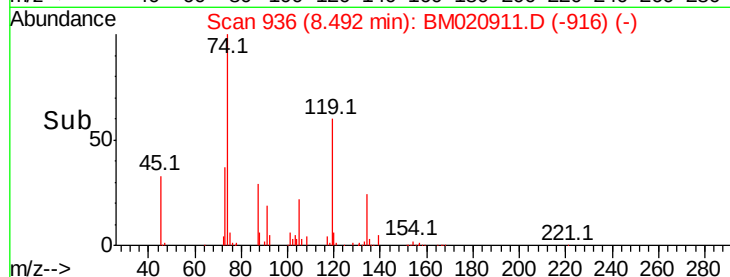
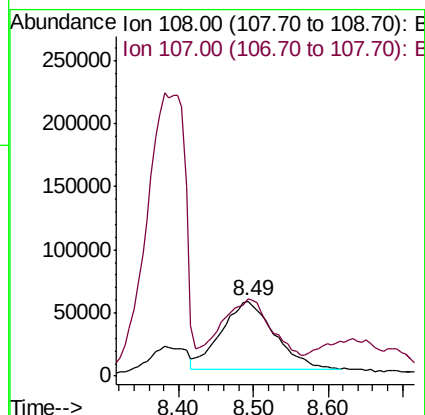
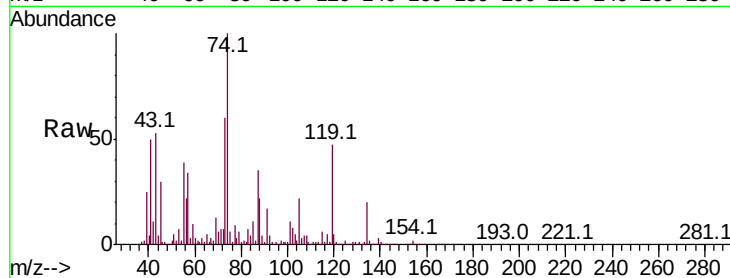
ClientSampled :

Tot Ion:108 Resp: 267500

Ion Ratio Lower Upper

108 100

107 103.3 90.2 135.4



#17

Hexachloroethane

Concen: 41.409 ng/ul

RT: 8.94 min Scan# 1012

Delta R.T. 0.06 min

Lab File: BM020911.D

Acq: 12 Jun 2019 19:42

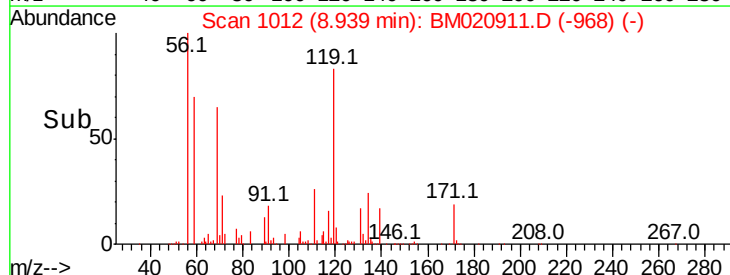
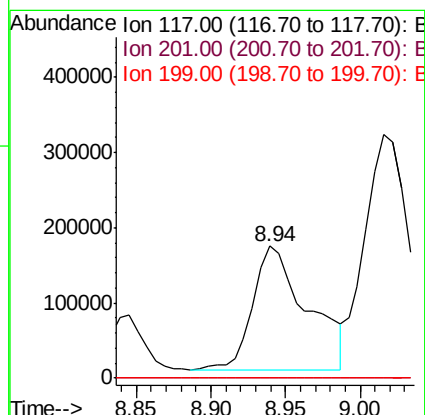
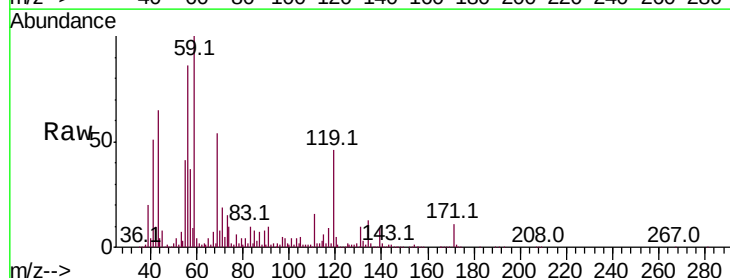
Tgt Ion:117 Resp: 413528

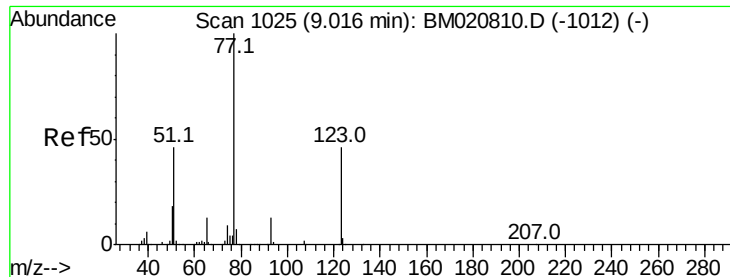
Ion Ratio Lower Upper

117 100

201 0.0 85.9 128.9#

199 0.0 53.5 80.3#

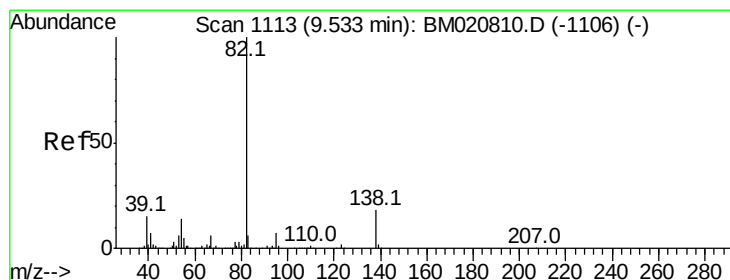
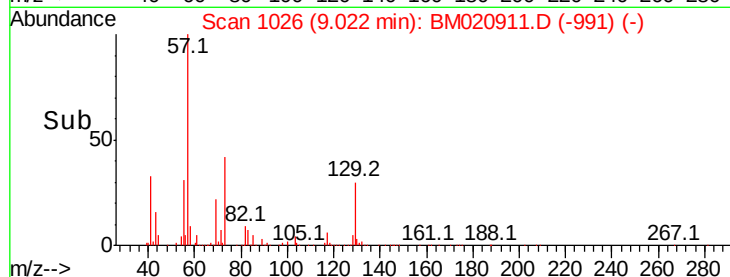
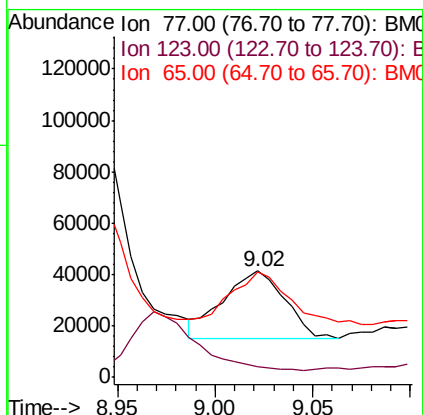
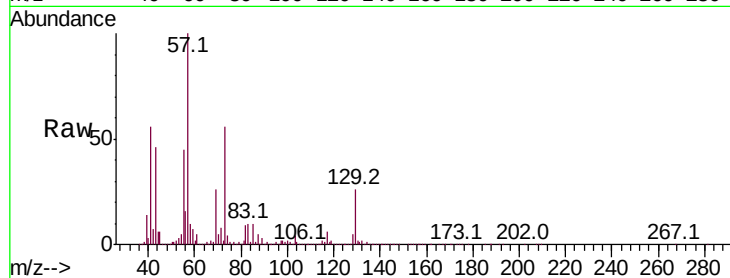




#20
Nitrobenzene
Concen: 2.481 ng/ul
RT: 9.02 min Scan# 1026
Delta R.T. 0.01 min
Lab File: BM020911.D
Acq: 12 Jun 2019 19:42

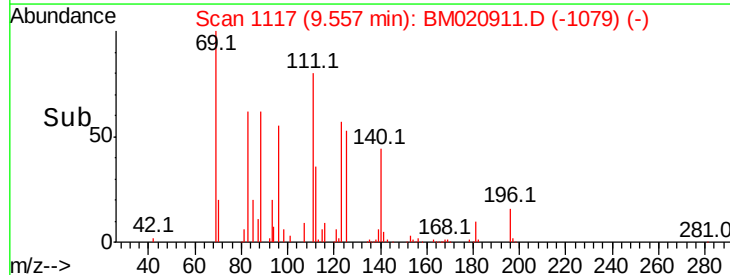
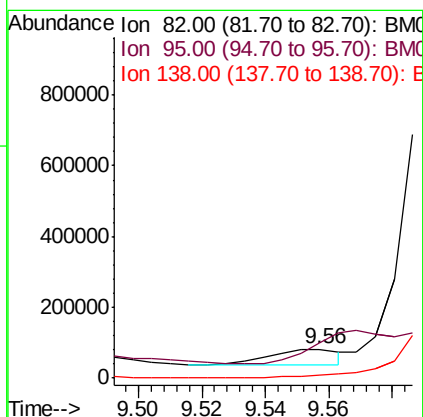
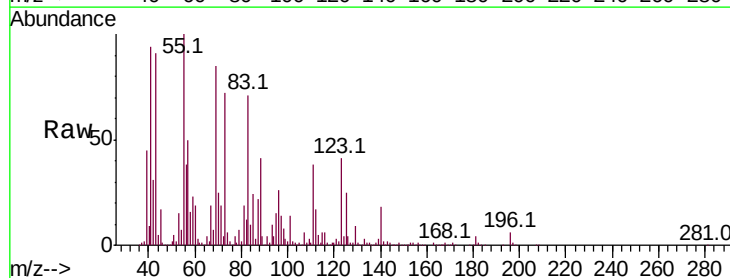
Instrument :
BNA_M
ClientSampleId :

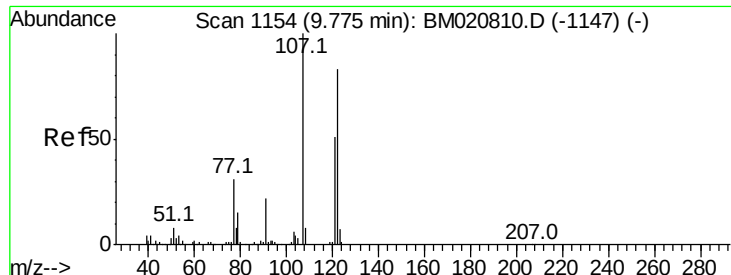
Tot Ion	77	Resp	57204
Ion Ratio	100	Lower	Upper
123	9.7	35.0	52.4#
65	98.7	10.6	16.0#



#21
Isophorone
Concen: 1.606 ng/ul
RT: 9.56 min Scan# 1117
Delta R.T. 0.02 min
Lab File: BM020911.D
Acq: 12 Jun 2019 19:42

Tgt Ion	82	Resp	68432
Ion Ratio	100	Lower	Upper
95	123.5	5.9	8.9#
138	11.4	13.8	20.8#





#24

2,4-Dimethylphenol

Concen: 10.234 ng/ul

RT: 9.83 min Scan# 1164

Delta R.T. 0.06 min

Lab File: BM020911.D

Acq: 12 Jun 2019 19:42

Instrument :

BNA_M

ClientSampled :

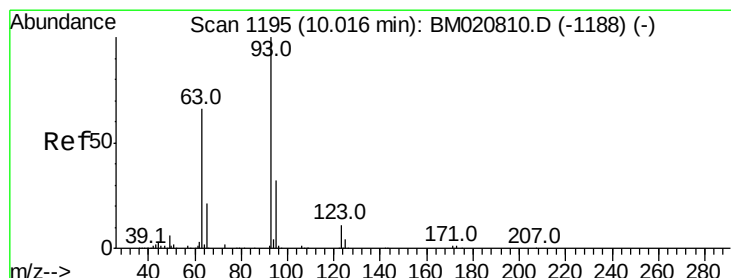
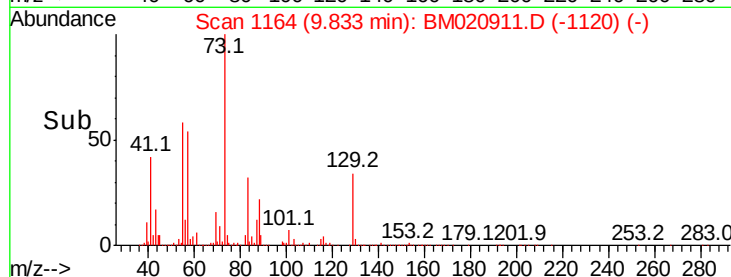
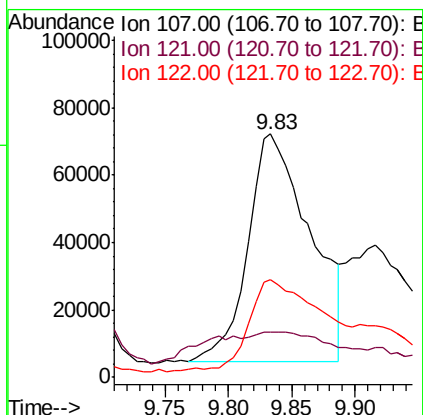
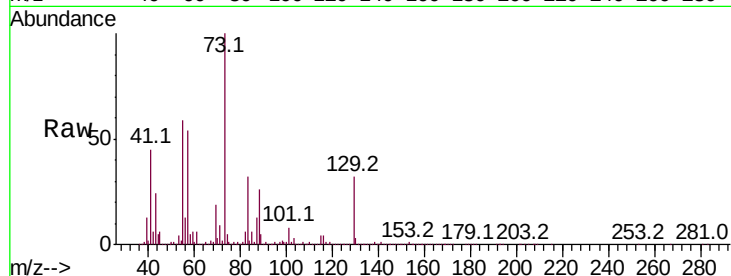
Tot Ion:107 Resp: 232545

Ion Ratio Lower Upper

107 100

121 18.7 39.5 59.3#

122 40.1 65.7 98.5#



#25

Bis(2-Chloroethoxy)methane

Concen: 26.124 ng/ul

RT: 10.08 min Scan# 1206

Delta R.T. 0.06 min

Lab File: BM020911.D

Acq: 12 Jun 2019 19:42

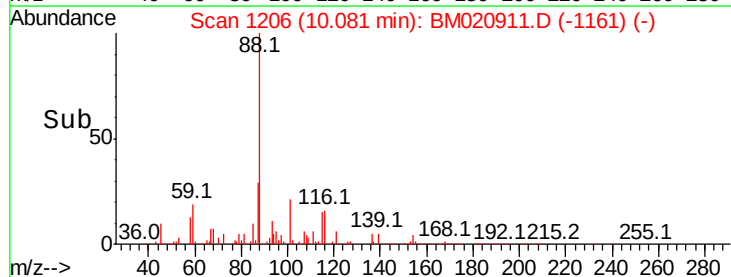
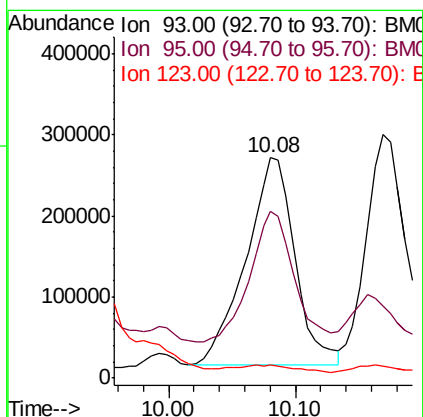
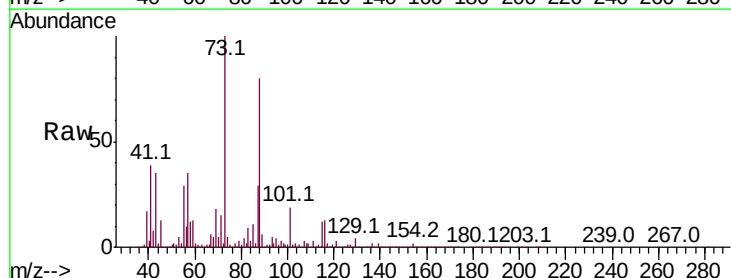
Tgt Ion: 93 Resp: 690524

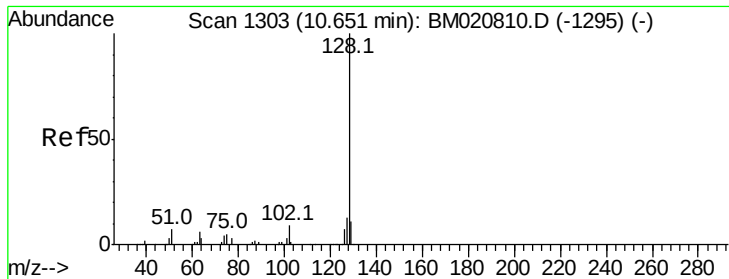
Ion Ratio Lower Upper

93 100

95 75.4 26.5 39.7#

123 5.9 9.0 13.4#

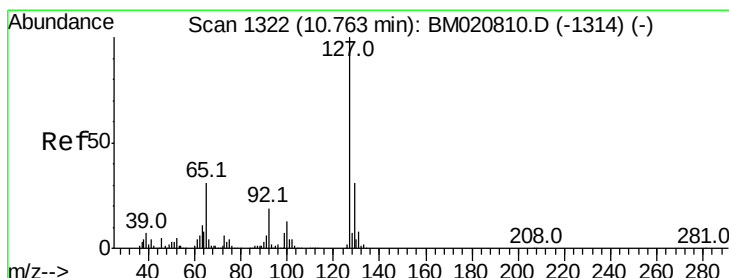
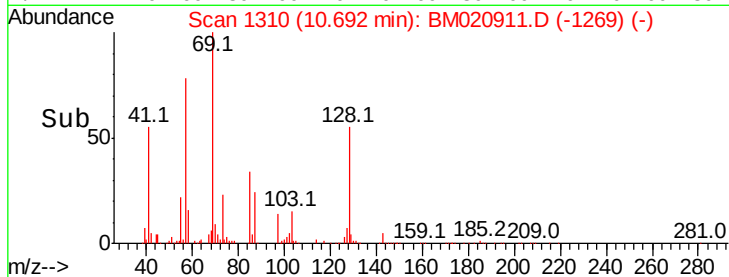
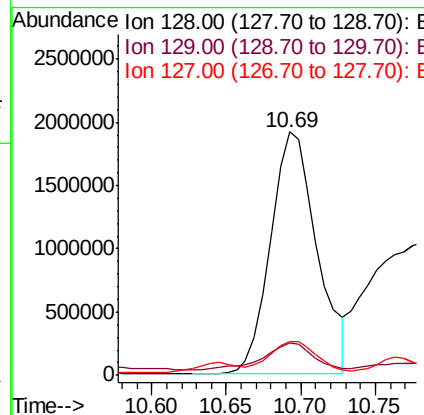
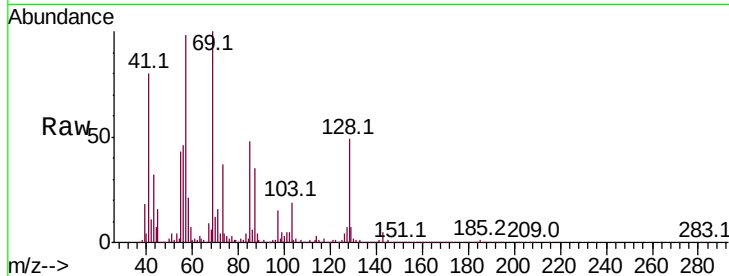




#28
Naphthalene
Concen: 66.174 ng/ul
RT: 10.69 min Scan# 1310
Delta R.T. 0.04 min
Lab File: BM020911.D
Acq: 12 Jun 2019 19:42

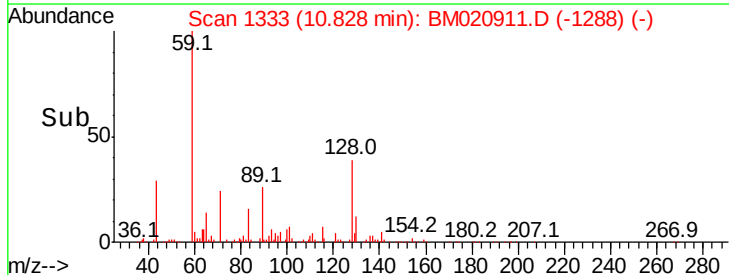
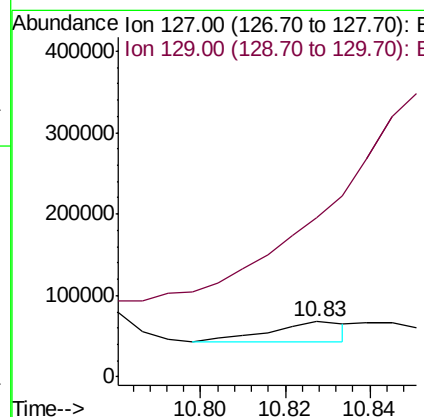
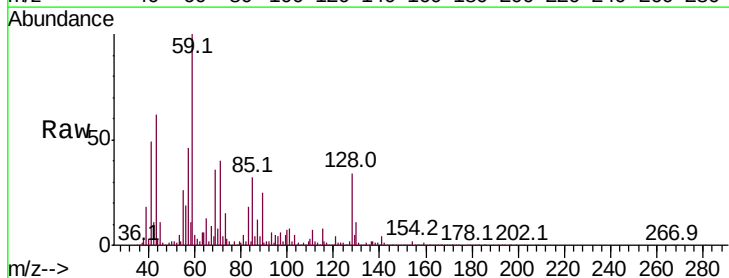
Instrument :
BNA_M
ClientSampleId :

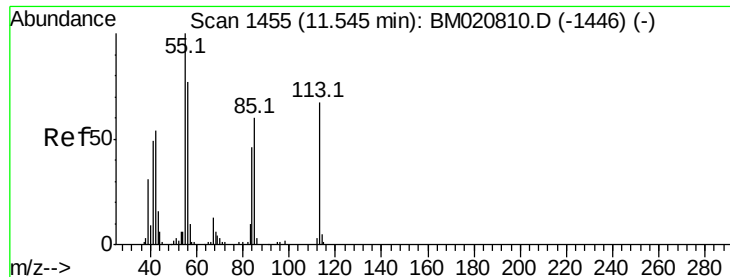
Tot Ion:128 Resp: 4170396
Ion Ratio Lower Upper
128 100
129 13.4 8.6 13.0#
127 14.1 10.2 15.2



#30
4-Chloroaniline
Concen: 1.270 ng/ul
RT: 10.83 min Scan# 1333
Delta R.T. 0.06 min
Lab File: BM020911.D
Acq: 12 Jun 2019 19:42

Tgt Ion:127 Resp: 30744
Ion Ratio Lower Upper
127 100
129 288.8 27.0 40.4#





#32

Caprolactam

Concen: 5.821 ng/ul

RT: 11.57 min Scan# 1460

Delta R.T. 0.03 min

Lab File: BM020911.D

Acq: 12 Jun 2019 19:42

Instrument :

BNA_M

ClientSampleId :

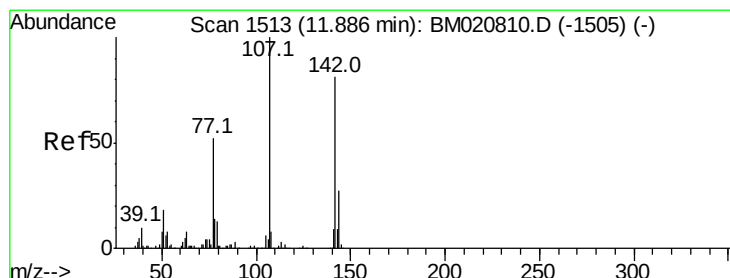
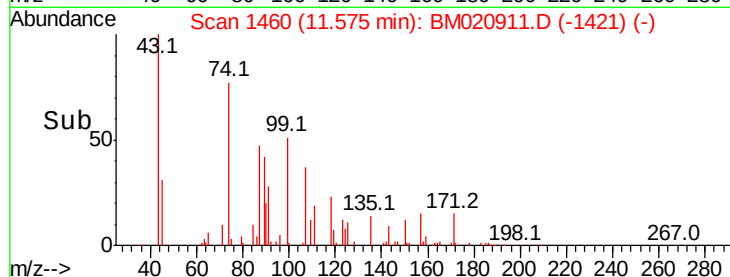
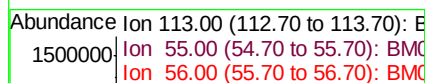
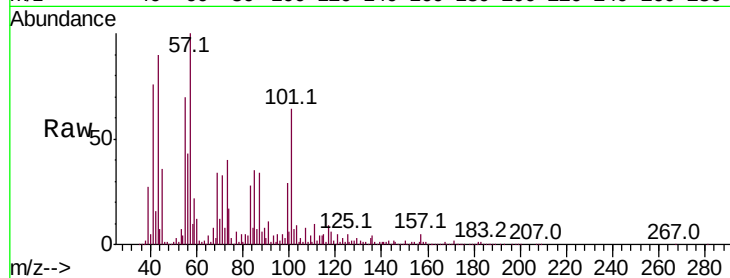
Tot Ion:113 Resp: 32979

Ion Ratio Lower Upper

113 100

55 1984.8 126.0 189.0#

56 1219.5 99.7 149.5#



#33

4-Chloro-3-methylphenol

Concen: 10.673 ng/ul

RT: 11.87 min Scan# 1511

Delta R.T. -0.01 min

Lab File: BM020911.D

Acq: 12 Jun 2019 19:42

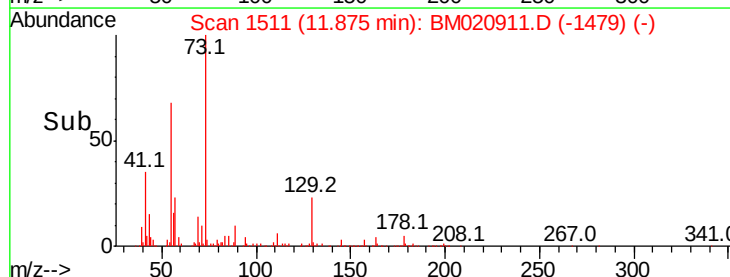
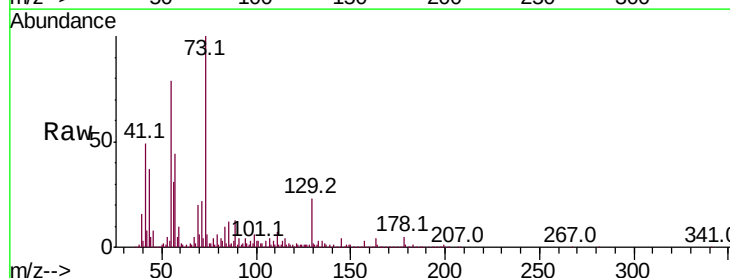
Tgt Ion:107 Resp: 214191

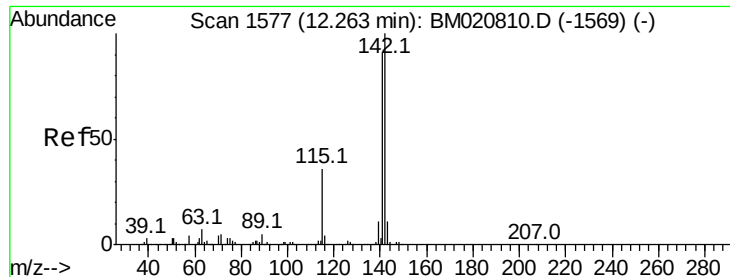
Ion Ratio Lower Upper

107 100

144 4.8 21.3 31.9#

142 9.7 63.2 94.8#

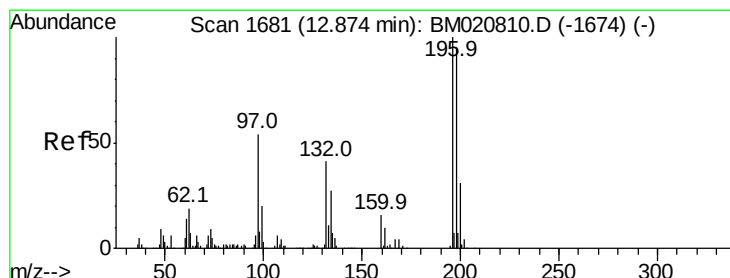
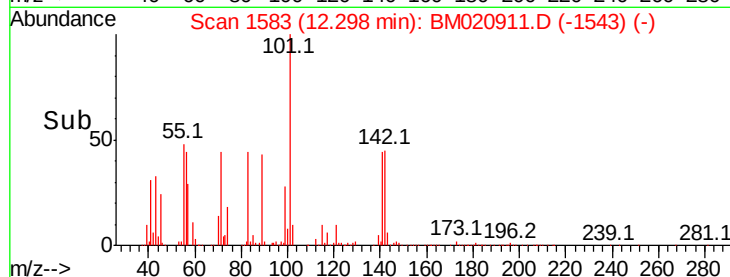
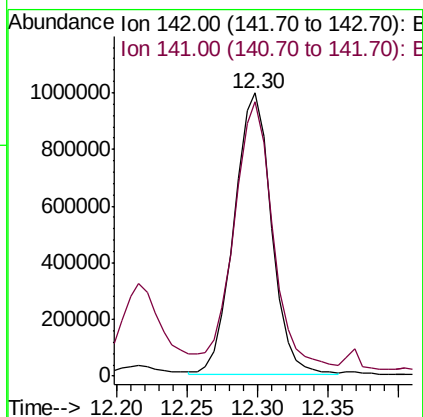
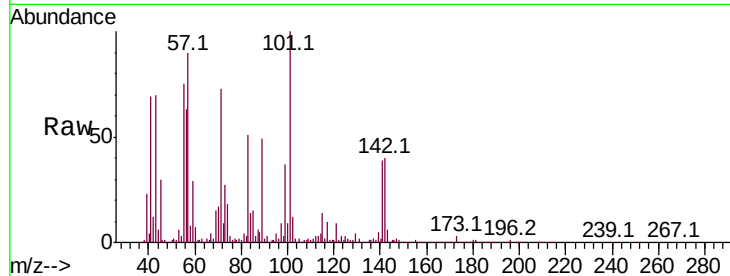




#34
2-Methylnaphthalene
Concen: 39.554 ng/ul
RT: 12.30 min Scan# 1583
Delta R.T. 0.04 min
Lab File: BM020911.D
Acq: 12 Jun 2019 19:42

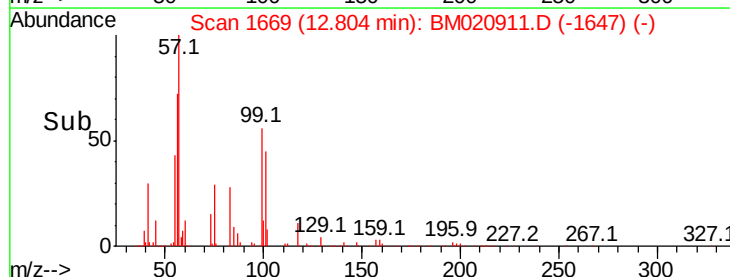
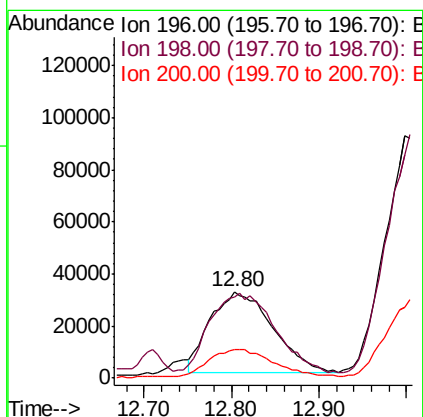
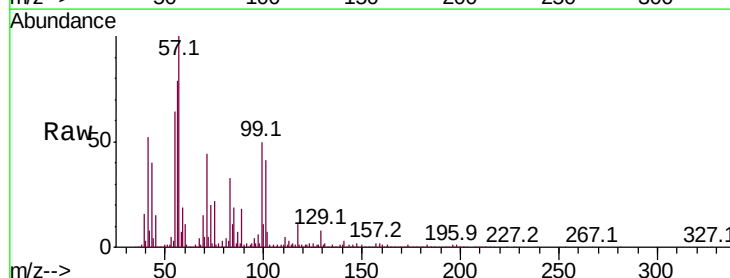
Instrument :
BNA_M
ClientSampleId :

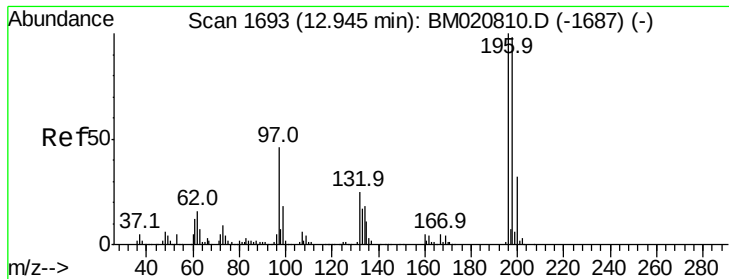
Tot Ion:142 Resp: 1830938
Ion Ratio Lower Upper
142 100
141 96.7 71.4 107.0



#38
2,4,6-Trichlorophenol
Concen: 8.917 ng/ul
RT: 12.80 min Scan# 1669
Delta R.T. -0.07 min
Lab File: BM020911.D
Acq: 12 Jun 2019 19:42

Tgt Ion:196 Resp: 152075
Ion Ratio Lower Upper
196 100
198 93.4 77.8 116.6
200 33.2 25.3 37.9

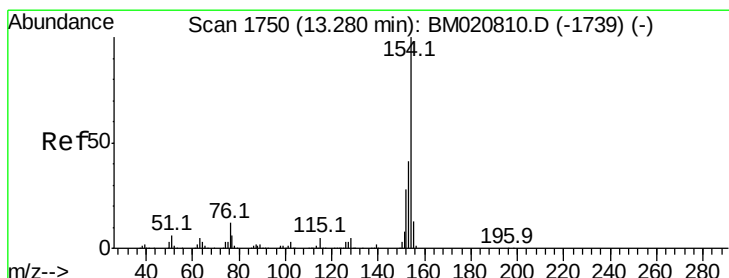
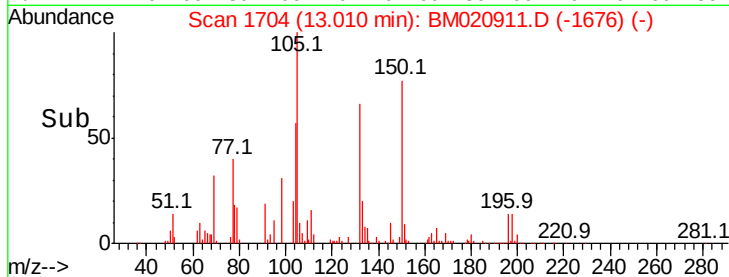
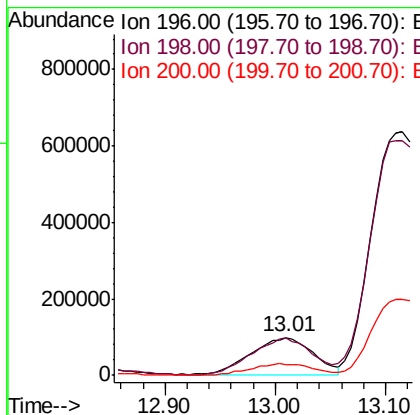
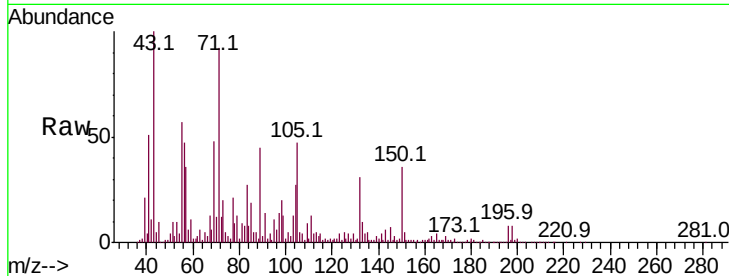




#39
 2,4,5-Trichlorophenol
 Concen: 20.215 ng/ul
 RT: 13.01 min Scan# 1704
 Delta R.T. 0.06 min
 Lab File: BM020911.D
 Acq: 12 Jun 2019 19:42

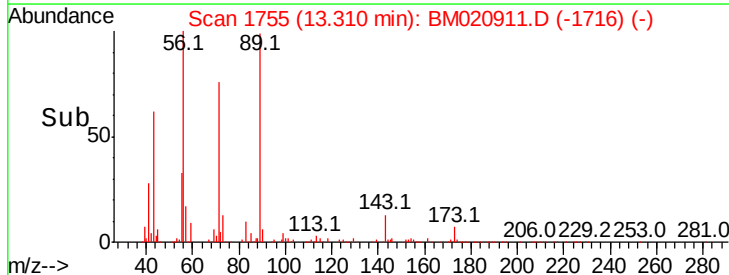
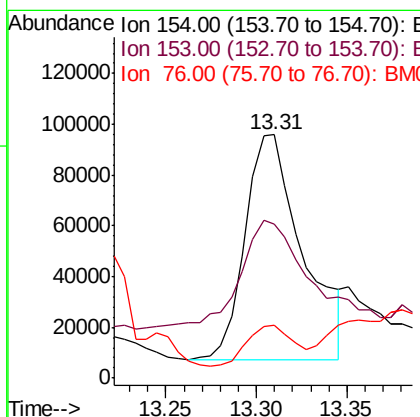
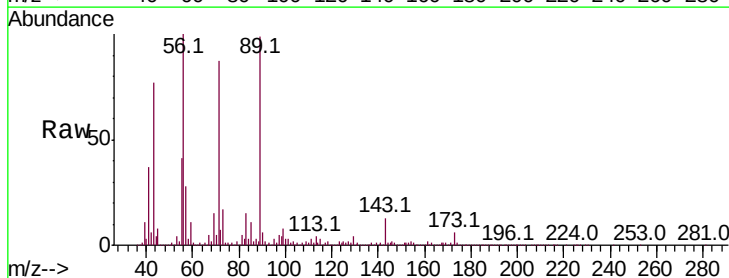
Instrument :
 BNA_M
 ClientSampleId :

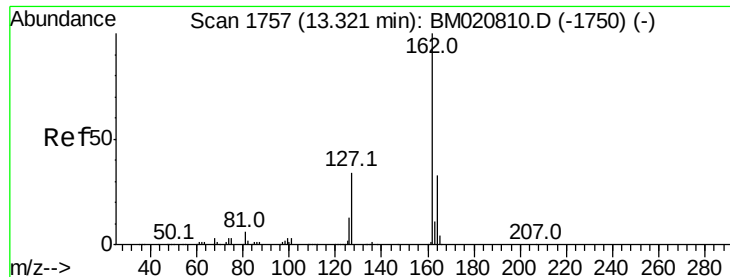
Tot Ion	196	Resp	374426
Ion Ratio	Lower	Upper	
196	100		
198	98.1	75.3	112.9
200	29.7	25.0	37.4



#40
 1,1'-Biphenyl
 Concen: 2.896 ng/ul
 RT: 13.31 min Scan# 1755
 Delta R.T. 0.03 min
 Lab File: BM020911.D
 Acq: 12 Jun 2019 19:42

Tgt Ion	154	Resp	196959
Ion Ratio	Lower	Upper	
154	100		
153	63.1	32.4	48.6#
76	21.5	9.8	14.6#

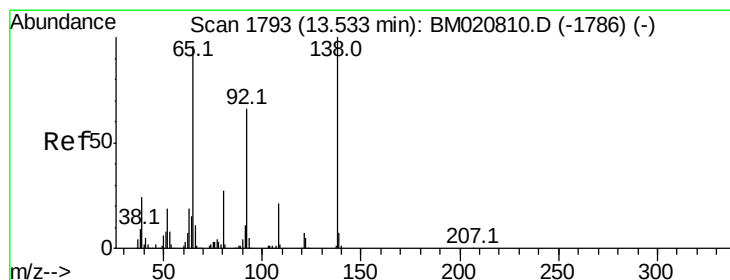
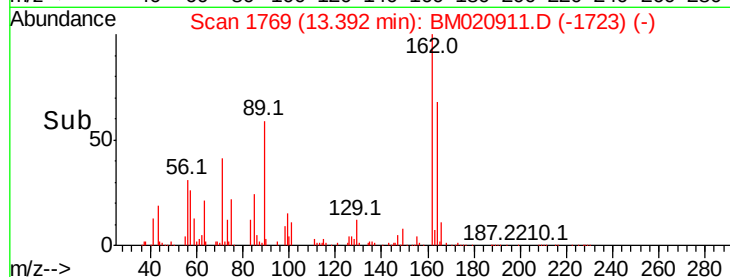
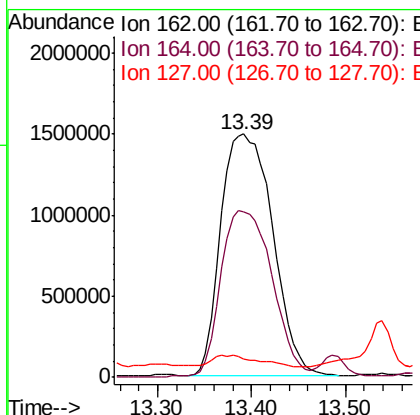
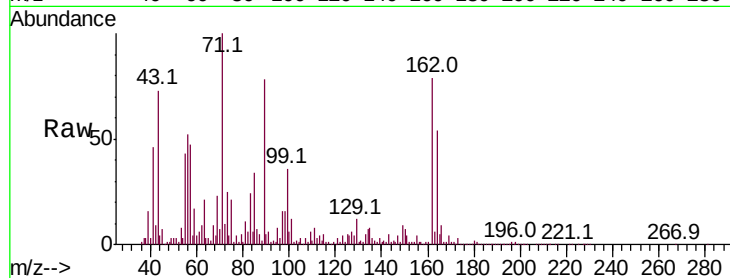




#41
 2-Chloronaphthalene
 Concen: 109.702 ng/ul
 RT: 13.39 min Scan# 1769
 Delta R.T. 0.07 min
 Lab File: BM020911.D
 Acq: 12 Jun 2019 19:42

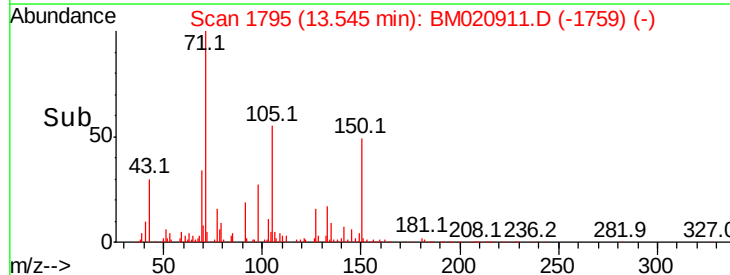
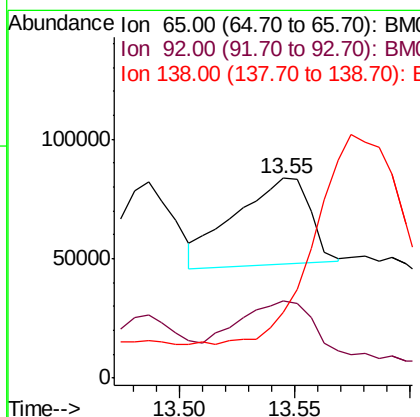
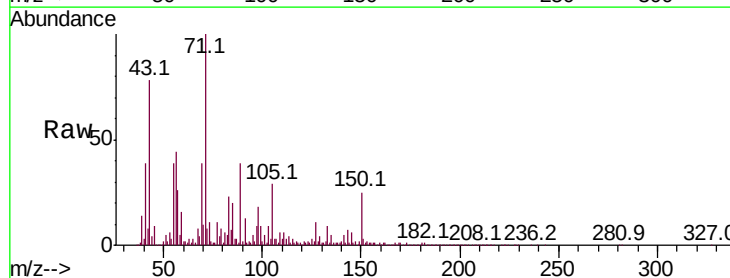
Instrument :
 BNA_M
 ClientSampleId :

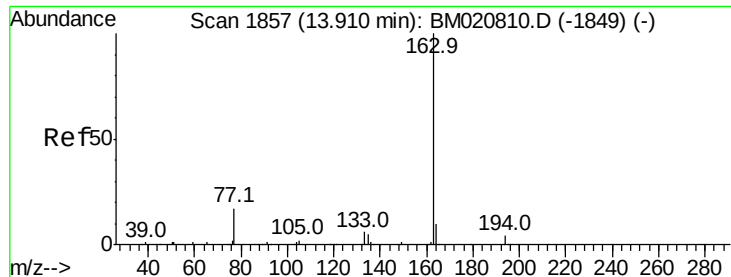
Tot Ion:162 Resp: 5741174
 Ion Ratio Lower Upper
 162 100
 164 67.8 26.4 39.6#
 127 7.7 30.2 45.2#



#42
 2-Nitroaniline
 Concen: 6.052 ng/ul
 RT: 13.55 min Scan# 1795
 Delta R.T. 0.01 min
 Lab File: BM020911.D
 Acq: 12 Jun 2019 19:42

Tgt Ion: 65 Resp: 82248
 Ion Ratio Lower Upper
 65 100
 92 38.8 55.4 83.2#
 138 32.6 86.0 129.0#





#44

Dimethylphthalate

Concen: 9.894 ng/ul

RT: 13.91 min Scan# 1857

Delta R.T. 0.00 min

Lab File: BM020911.D

Acq: 12 Jun 2019 19:42

Instrument :

BNA_M

ClientSampleId :

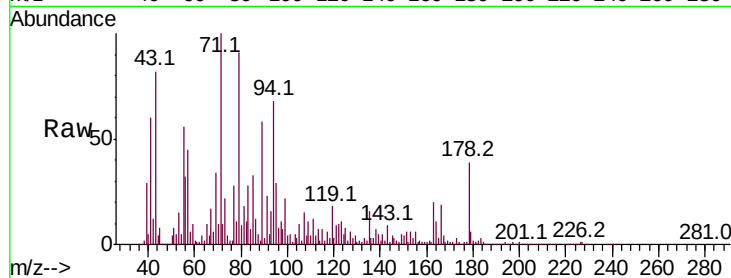
Tot Ion:163 Resp: 642154

Ion Ratio Lower Upper

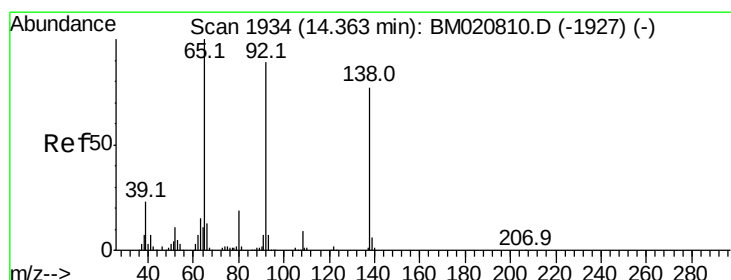
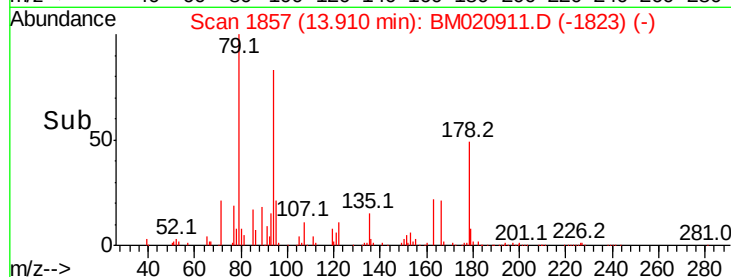
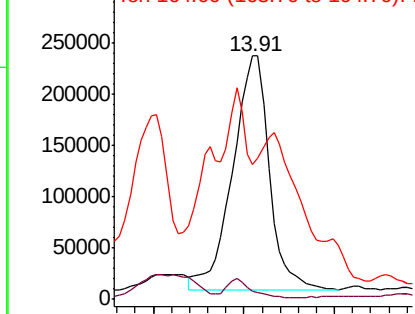
163 100

194 3.2 3.2 4.8#

164 55.2 8.0 12.0#



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#48

3-Nitroaniline

Concen: 2.038 ng/ul

RT: 14.40 min Scan# 1941

Delta R.T. 0.04 min

Lab File: BM020911.D

Acq: 12 Jun 2019 19:42

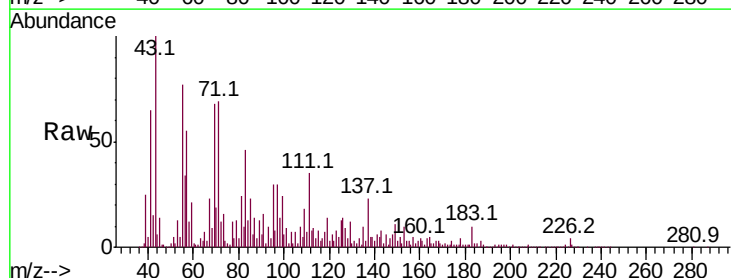
Tgt Ion:138 Resp: 23881

Ion Ratio Lower Upper

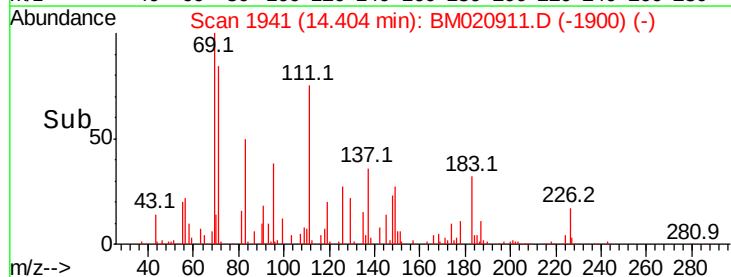
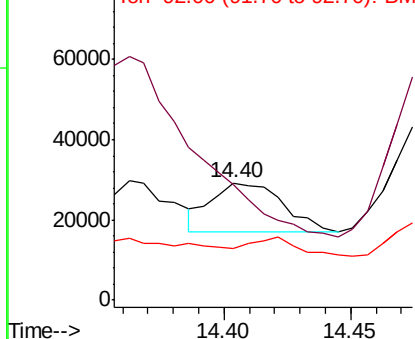
138 100

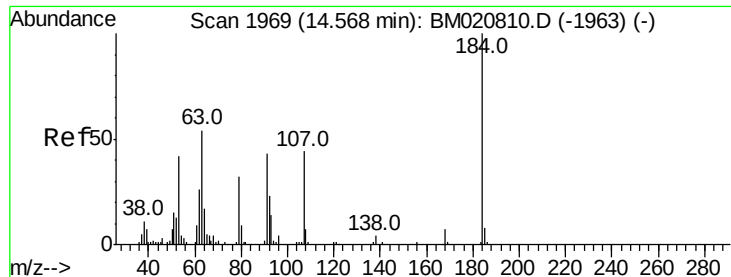
108 99.4 9.7 14.5#

92 44.2 90.7 136.1#



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): E

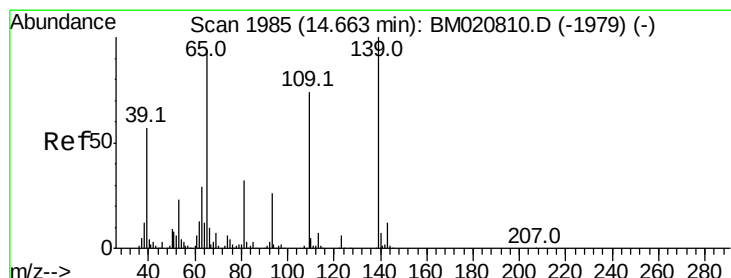
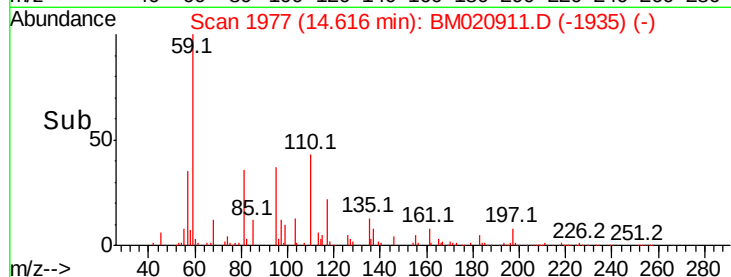
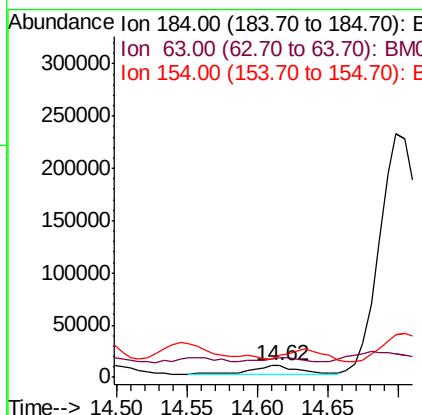
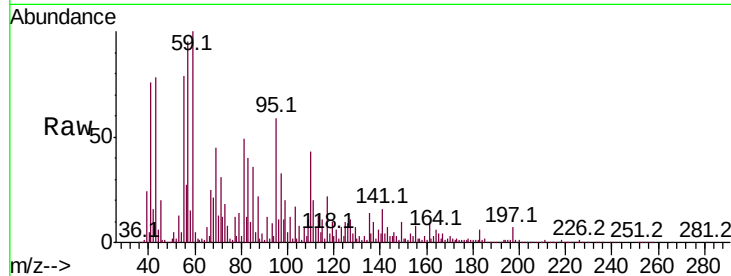




#50
2,4-Dinitrophenol
Concen: 2.762 ng/ul
RT: 14.62 min Scan# 1977
Delta R.T. 0.05 min
Lab File: BM020911.D
Acq: 12 Jun 2019 19:42

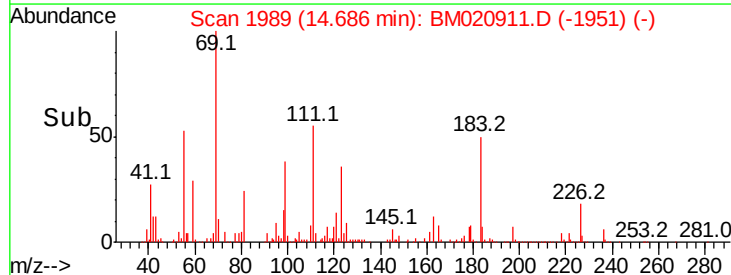
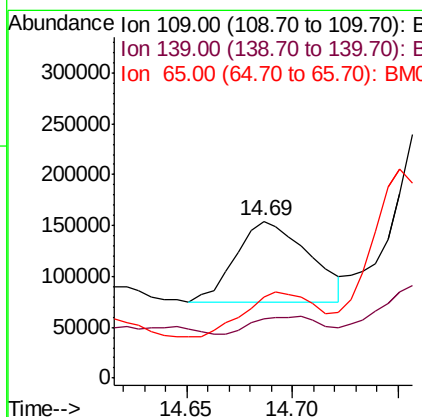
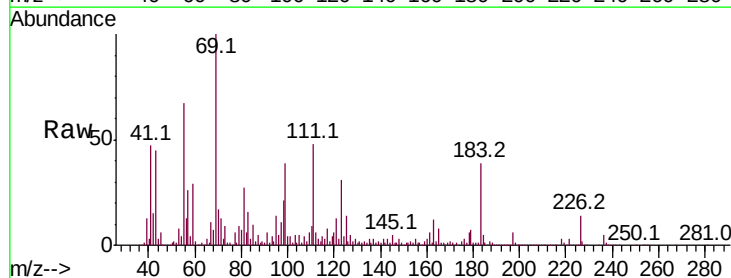
Instrument :
BNA_M
ClientSampleId :

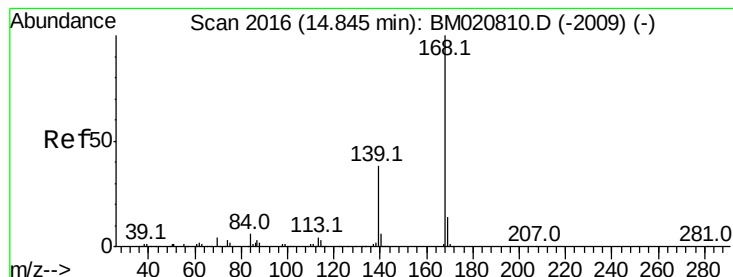
Tot Ion:184 Resp: 18021
Ion Ratio Lower Upper
184 100
63 168.4 51.9 77.9#
154 186.1 54.4 81.6#



#52
4-Nitrophenol
Concen: 20.774 ng/ul
RT: 14.69 min Scan# 1989
Delta R.T. 0.02 min
Lab File: BM020911.D
Acq: 12 Jun 2019 19:42

Tgt Ion:109 Resp: 189437
Ion Ratio Lower Upper
109 100
139 37.6 105.9 158.9#
65 51.7 106.2 159.4#





#53

Dibenzofuran

Concen: 3.288 ng/ul

RT: 14.88 min Scan# 2022

Delta R.T. 0.04 min

Lab File: BM020911.D

Acq: 12 Jun 2019 19:42

Instrument :

BNA_M

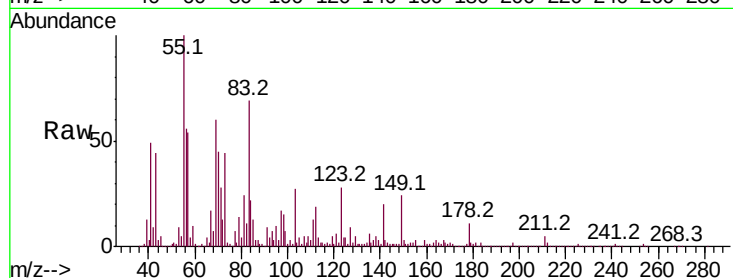
ClientSampleId :

Tot Ion:168 Resp: 258130

Ion Ratio Lower Upper

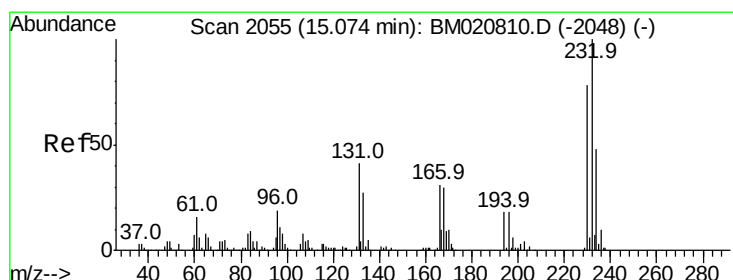
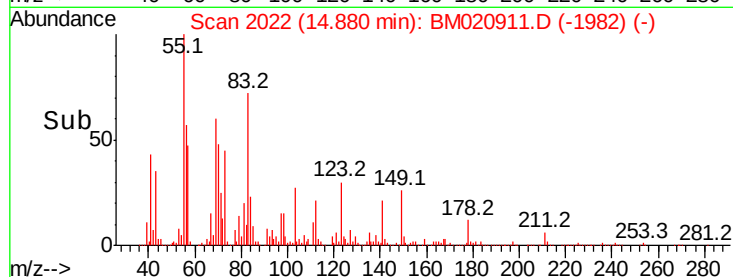
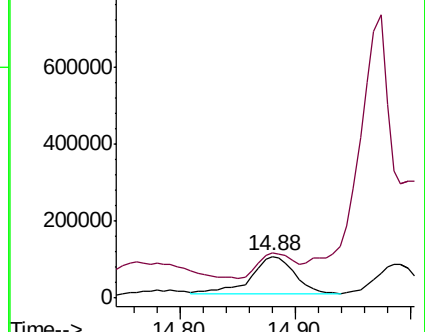
168 100

139 108.6 30.4 45.6#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#55

2,3,4,6-Tetrachlorophenol

Concen: 119.490 ng/ul

RT: 15.07 min Scan# 2055

Delta R.T. 0.00 min

Lab File: BM020911.D

Acq: 12 Jun 2019 19:42

Tgt Ion:232 Resp: 1859626

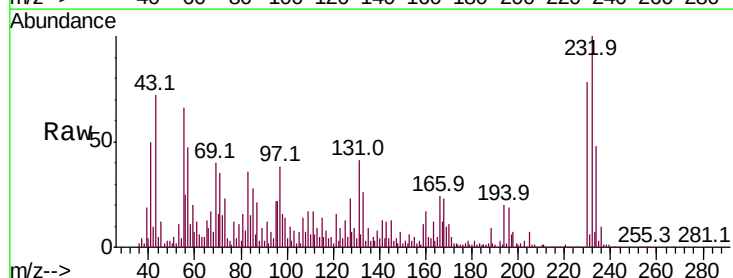
Ion Ratio Lower Upper

232 100

131 41.5 36.3 54.5

130 3.9 1.9 2.9#

166 23.8 26.4 39.6#

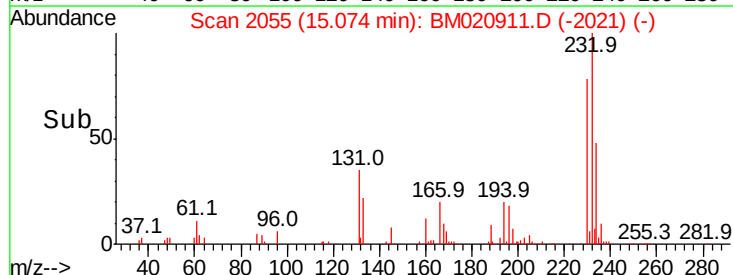
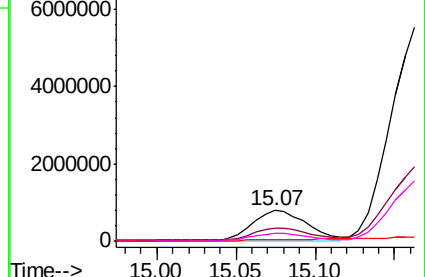


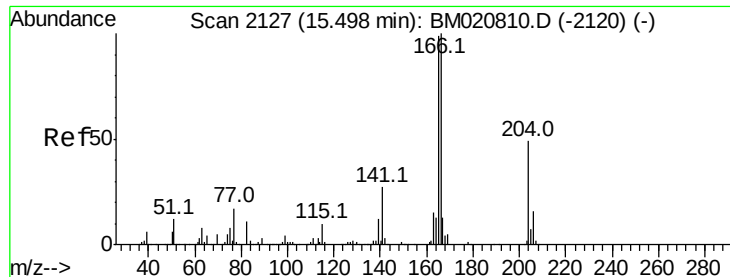
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#58

Fluorene

Concen: 1.279 ng/ul

RT: 15.53 min Scan# 2133

Delta R.T. 0.04 min

Lab File: BM020911.D

Acq: 12 Jun 2019 19:42

Instrument :

BNA_M

ClientSampled :

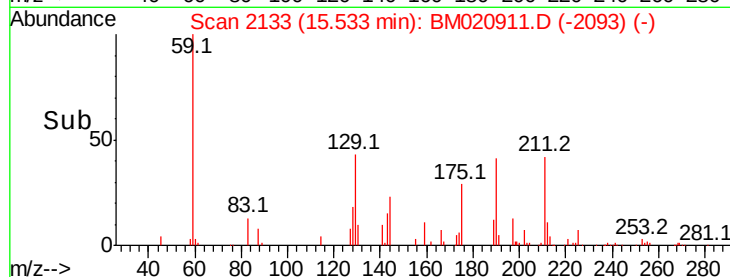
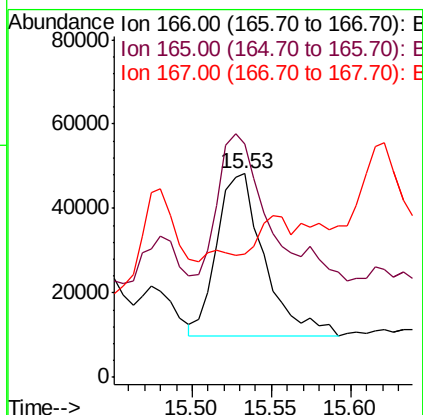
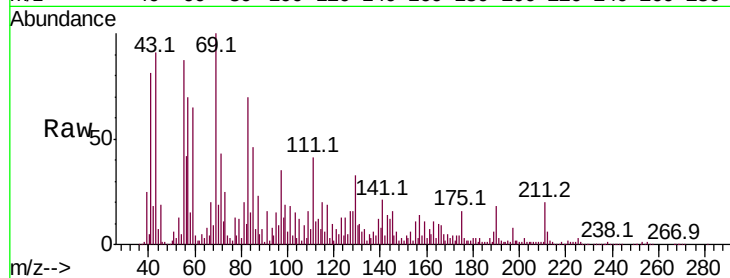
Tot Ion:166 Resp: 80602

Ion Ratio Lower Upper

166 100

165 114.5 78.6 117.8

167 60.3 10.8 16.2#



#63

4,6-Dinitro-2-methylphenol

Concen: 2.290 ng/ul

RT: 15.60 min Scan# 2144

Delta R.T. 0.02 min

Lab File: BM020911.D

Acq: 12 Jun 2019 19:42

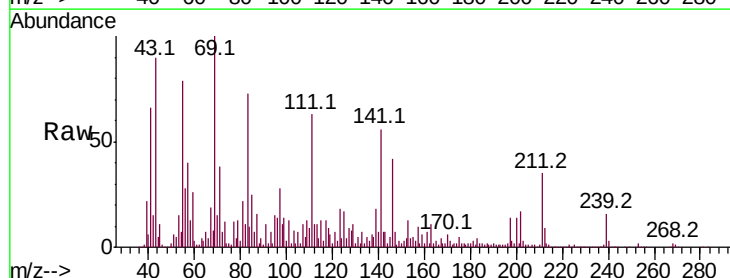
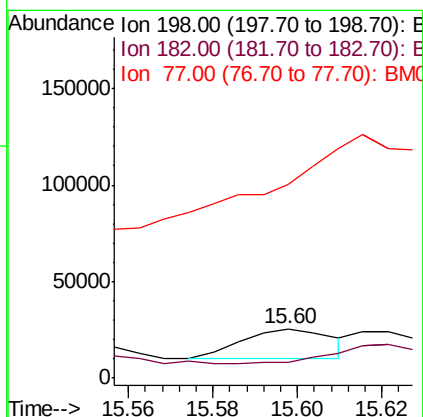
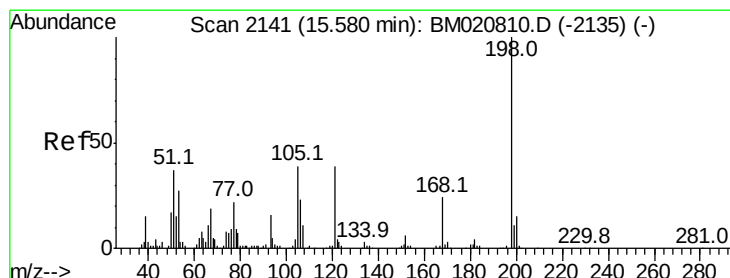
Tgt Ion:198 Resp: 22539

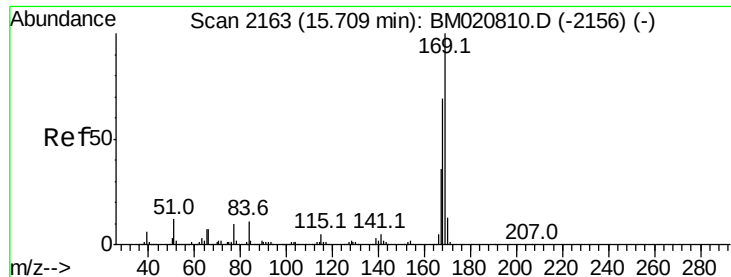
Ion Ratio Lower Upper

198 100

182 32.0 3.7 5.5#

77 391.0 19.3 28.9#



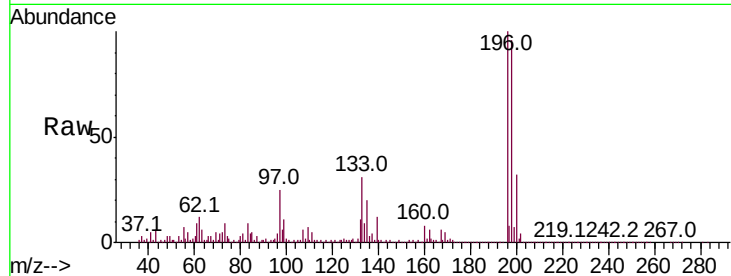


#64

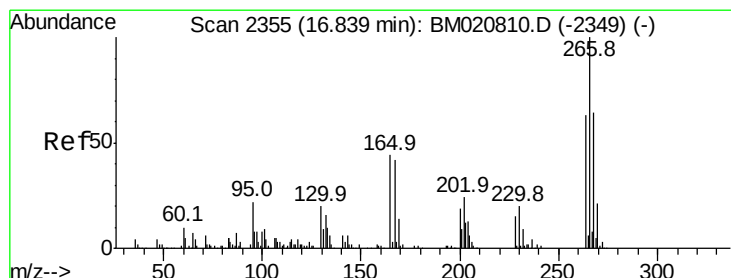
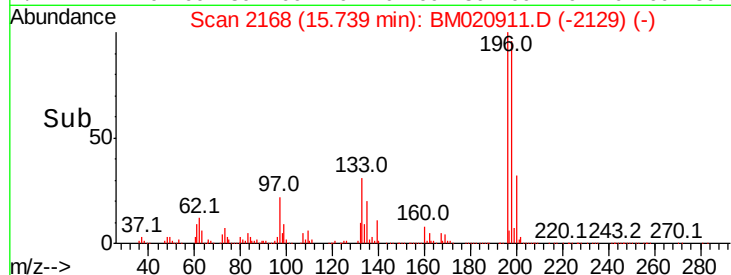
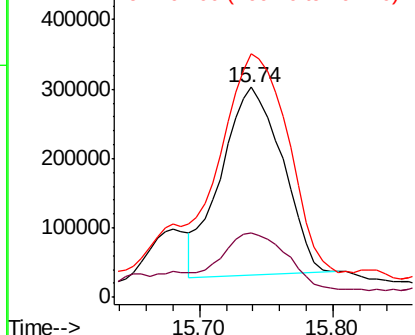
N-Nitrosodiphenylamine
 Concen: 16.959 ng/ul
 RT: 15.74 min Scan# 2168
 Delta R.T. 0.03 min
 Lab File: BM020911.D
 Acq: 12 Jun 2019 19:42

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:169 Resp: 863972
 Ion Ratio Lower Upper
 169 100
 168 30.7 54.2 81.2#
 167 115.9 28.7 43.1#



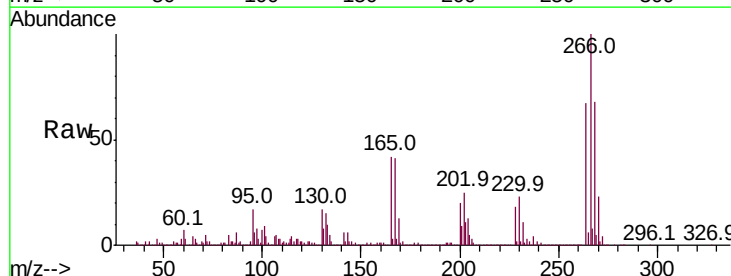
Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E



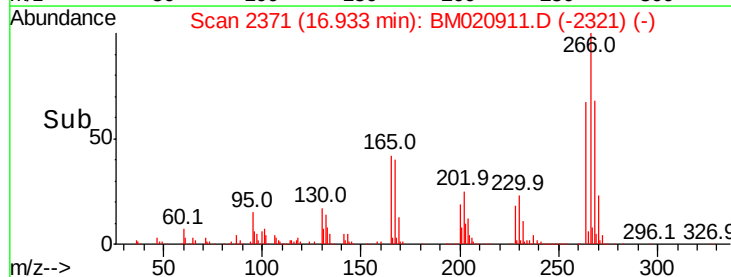
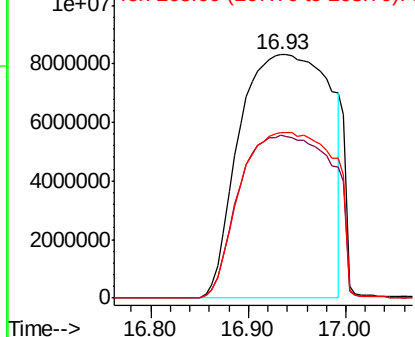
#68

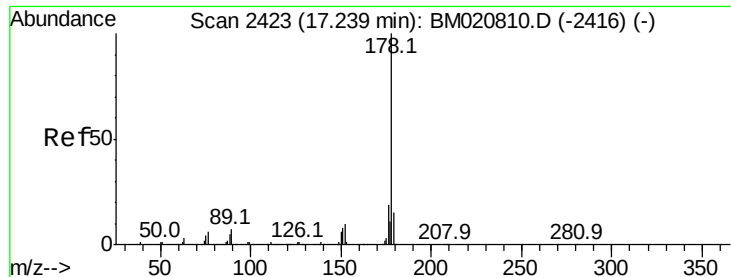
Pentachlorophenol
 Concen: 4215.946 ng/ul
 RT: 16.93 min Scan# 2371
 Delta R.T. 0.09 min
 Lab File: BM020911.D
 Acq: 12 Jun 2019 19:42

Tgt Ion:266 Resp:53365525
 Ion Ratio Lower Upper
 266 100
 264 67.0 50.3 75.5
 268 68.1 51.2 76.8



Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E





#69

Phenanthrene

Concen: 1.516 ng/ul

RT: 17.27 min Scan# 2428

Delta R.T. 0.03 min

Lab File: BM020911.D

Acq: 12 Jun 2019 19:42

Instrument :

BNA_M

ClientSampled :

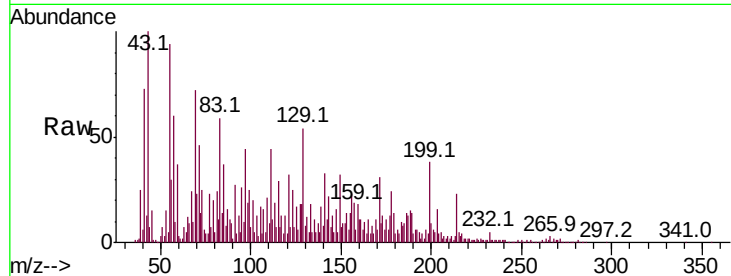
Tot Ion:178 Resp: 138199

Ion Ratio Lower Upper

178 100

179 57.2 12.3 18.5#

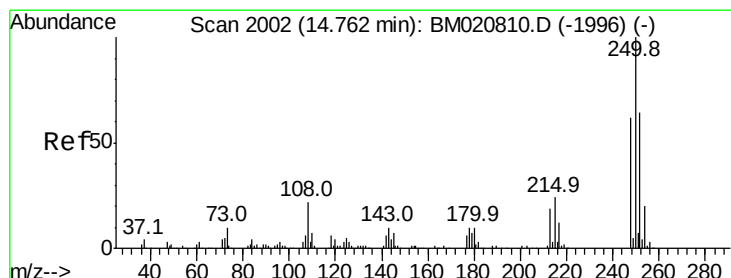
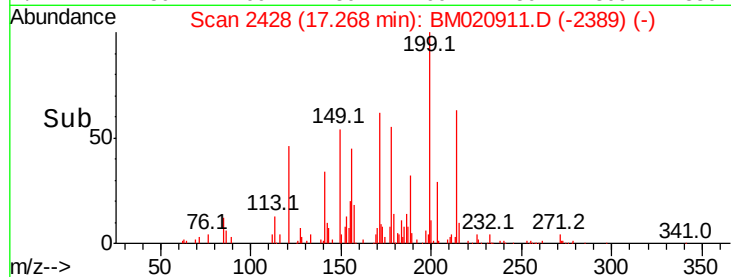
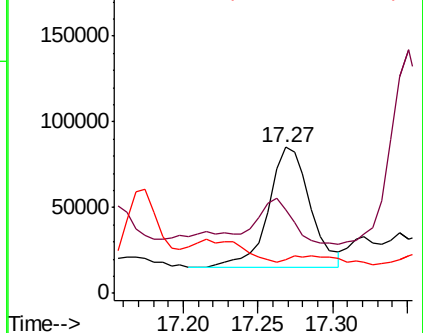
176 23.1 14.8 22.2#



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



#73

Pentachlorobenzene

Concen: 5.376 ng/uL

RT: 14.79 min Scan# 2006

Delta R.T. 0.02 min

Lab File: BM020911.D

Acq: 12 Jun 2019 19:42

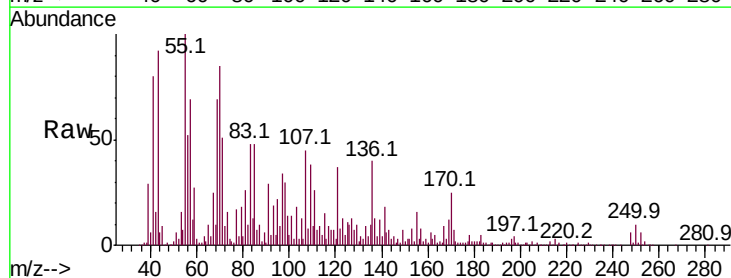
Tgt Ion:250 Resp: 135991

Ion Ratio Lower Upper

250 100

248 63.5 49.7 74.5

252 65.6 49.9 74.9



Abundance Ion 250.00 (249.70 to 250.70): E

Ion 248.00 (247.70 to 248.70): E

Ion 252.00 (251.70 to 252.70): E

