

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042318\
 Data File : BM014776.D
 Acq On : 23 Apr 2018 13:53
 Operator : SJ/JU
 Sample : J2431-24
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Apr 24 01:48:08 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Apr 24 01:47:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.53	152	348282	20.00	ng/ul	0.00
18) Naphthalene-d8	11.37	136	1447088	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.13	164	757156	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.84	188	1555987	20.00	ng/ul	0.00
75) Chrysene-d12	21.93	240	1525416	20.00	ng/ul	0.00
83) Perylene-d12	24.42	264	1584144	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.66	96	37338	4.68	ng/uL	0.00
5) Phenol-d5	7.65	99	715332	26.57	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.83	67	463092	26.82	ng/ul	0.00
9) 2-Chlorophenol-d4	8.05	132	588467	26.13	ng/ul	0.00
13) 4-Methylphenol-d8	9.22	113	572058	26.64	ng/ul	0.00
19) Nitrobenzene-d5	9.71	128	277801	26.55	ng/ul	0.00
22) 2-Nitrophenol-d4	10.44	143	304258	29.20	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.98	165	529457	25.01	ng/ul	0.00
29) 4-Chloroaniline-d4	11.50	131	790820	37.85	ng/ul	0.00
43) Dimethylphthalate-d6	14.52	166	1684951	28.51	ng/ul	0.00
46) Acenaphthylene-d8	14.83	160	1841702	25.23	ng/ul	0.00
51) 4-Nitrophenol-d4	15.29	143	360502	32.86	ng/ul	0.00
57) Fluorene-d10	16.10	176	1324063	25.76	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.21	200	283264	33.64	ng/ul	0.00
70) Anthracene-d10	17.94	188	2133044	29.42	ng/ul	0.00
76) Pyrene-d10	20.17	212	2330298	32.29	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.26	264	2588098	33.25	ng/ul	0.00

Target Compounds

					Ovalue
8) Bis(2-Chloroethyl)ether	7.92	93	332206	15.683	ng/ul 90
12) 2,2'-oxybis(1-Chloropropan	9.06	45	503712	12.863	ng/ul 97
16) 4-Methylphenol	9.29	108	809270	38.623	ng/ul 82
17) Hexachloroethane	9.63	117	420247	46.319	ng/ul# 69
20) Nitrobenzene	9.75	77	385242	15.414	ng/ul 93
23) 2-Nitrophenol	10.47	139	375404	33.167	ng/ul# 76
24) 2,4-Dimethylphenol	10.51	107	506391	21.176	ng/ul# 84
25) Bis(2-Chloroethoxy)methane	10.75	93	404235	14.068	ng/ul 97
27) 2,4-Dichlorophenol	11.00	162	403132	19.945	ng/ul# 87
30) 4-Chloroaniline	11.52	127	1293986	63.796	ng/ul 96
34) 2-Methylnaphthalene	12.99	142	964314	19.692	ng/ul 98
37) Hexachlorocyclopentadiene	13.33	237	591029	36.144	ng/ul 100
38) 2,4,6-Trichlorophenol	13.57	196	221241	15.091	ng/ul 97
39) 2,4,5-Trichlorophenol	13.57	196	221241	14.129	ng/ul 98
41) 2-Chloronaphthalene	14.02	162	551636	11.667	ng/ul 99
42) 2-Nitroaniline	14.22	65	793771	63.439	ng/ul 95
44) Dimethylphthalate	14.57	163	1535963	26.883	ng/ul 100
45) 2,6-Dinitrotoluene	14.69	165	142318	13.581	ng/ul 89
48) 3-Nitroaniline	15.03	138	698770	67.764	ng/ul 86
50) 2,4-Dinitrophenol	15.22	184	381624	65.588	ng/ul 90
52) 4-Nitrophenol	15.30	109	481525	60.912	ng/ul# 81
59) 4-Chlorophenyl-phenylether	16.14	204	323056	11.455	ng/ul 94
60) 4-Nitroaniline	16.17	138	440750	36.639	ng/ul# 82

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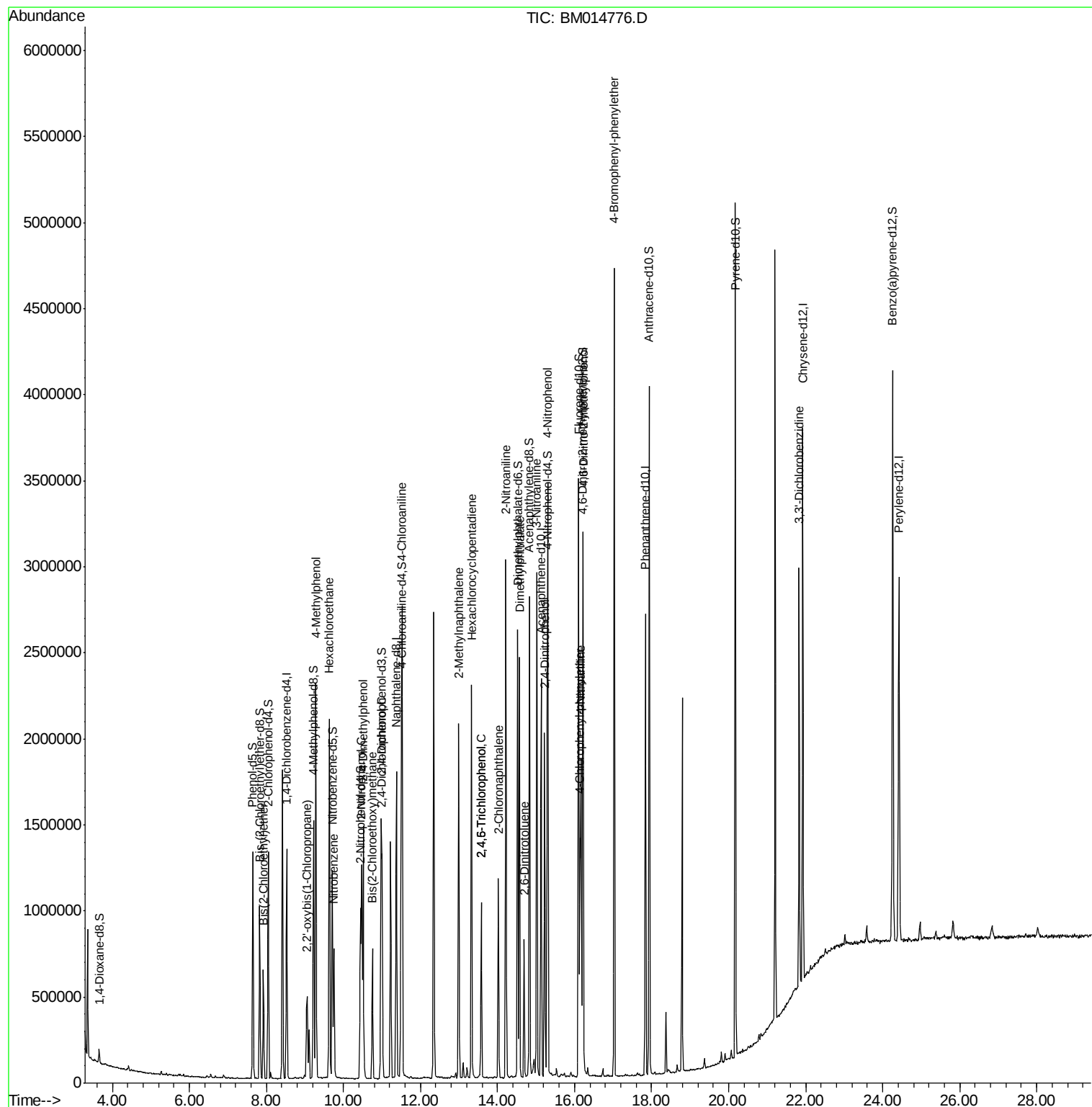
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 4,6-Dinitro-2-methylphenol	16.22	198	515316	58.901	ng/ul	91
65) 4-Bromophenyl-phenylether	17.03	248	826161	50.272	ng/ul	94
79) 3,3'-Dichlorobenzidine	21.83	252	703043	24.157	ng/ul#	93

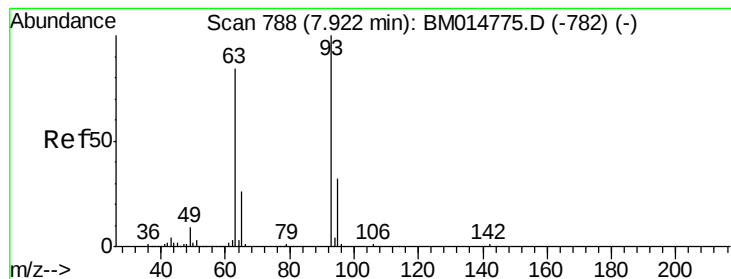
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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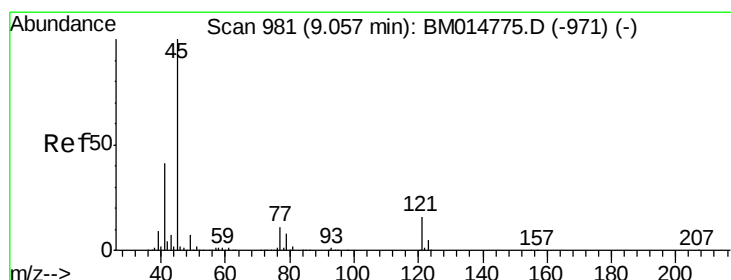
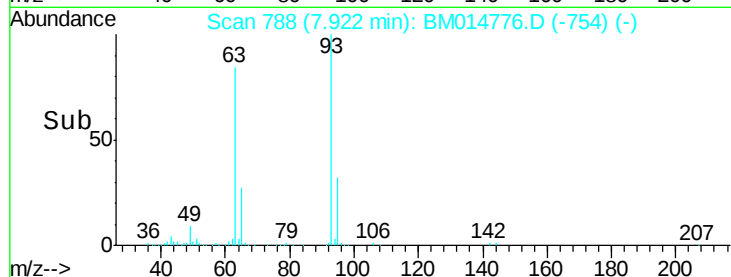
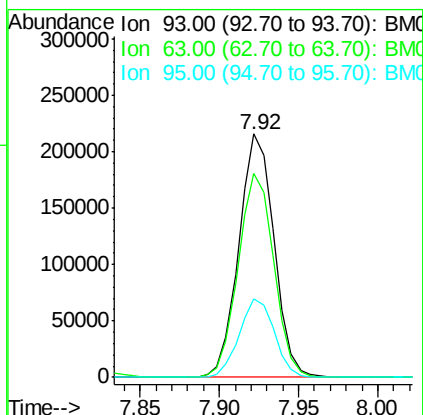
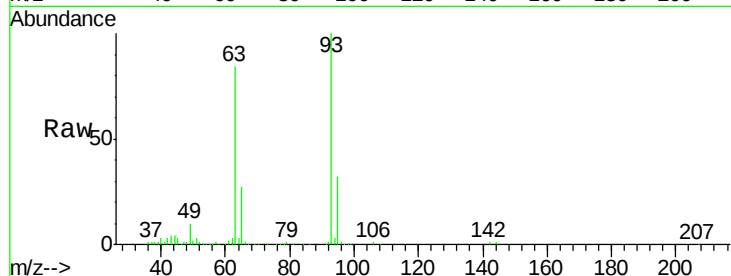


#8

Bis(2-Chloroethyl)ether
 Concen: 15.683 ng/ul
 RT: 7.92 min Scan# 788
 Delta R.T. 0.00 min
 Lab File: BM014776.D
 Acq: 23 Apr 2018 13:53

Instrument :
 BNA_M
 ClientSampleId :

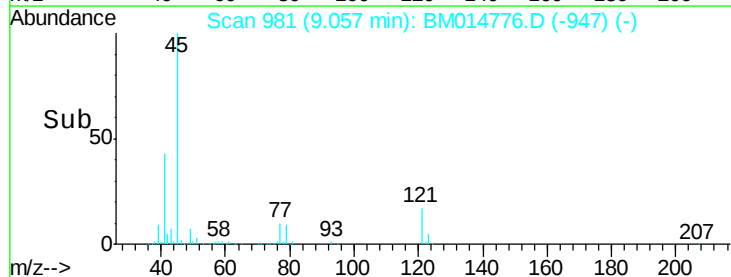
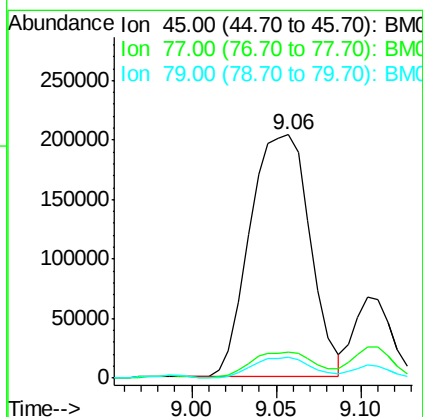
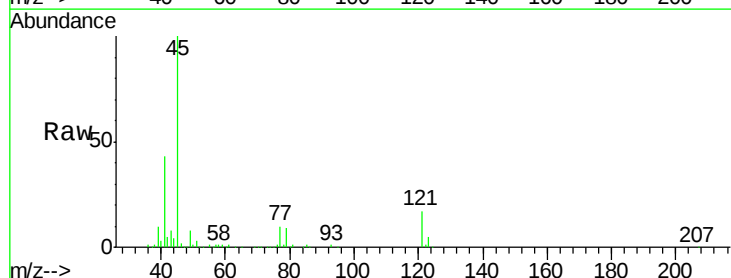
Tot Ion:	93	Resp:	332206
Ion	Ratio	Lower	Upper
93	100		
63	83.6	57.3	85.9
95	32.1	26.6	39.8

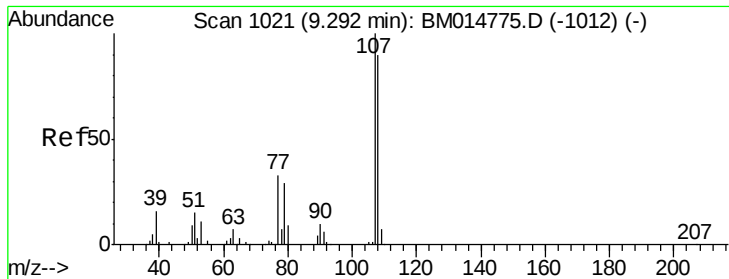


#12

2,2'-oxybis(1-Chloropropane)
 Concen: 12.863 ng/ul
 RT: 9.06 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: BM014776.D
 Acq: 23 Apr 2018 13:53

Tgt Ion:	45	Resp:	503712
Ion	Ratio	Lower	Upper
45	100		
77	10.5	8.0	12.0
79	8.5	8.0	12.0

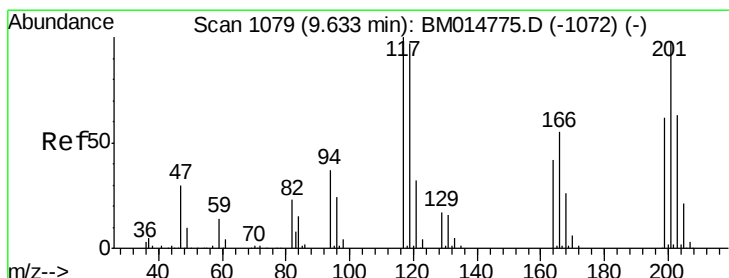
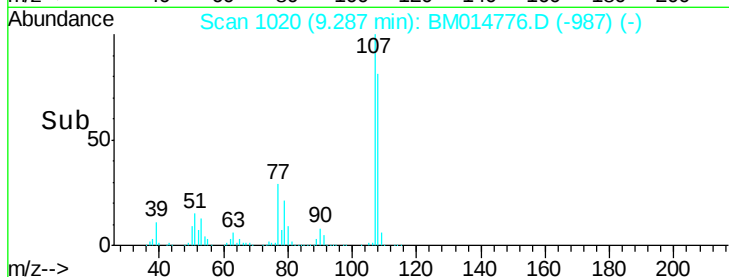
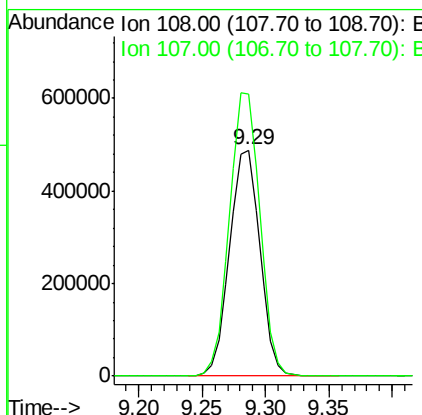
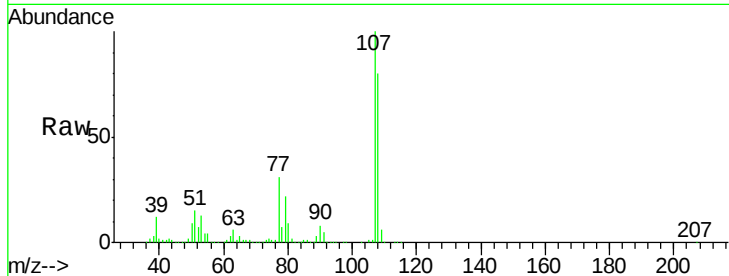




#16
4-Methylphenol
Concen: 38.623 ng/ul
RT: 9.29 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BM014776.D
Acq: 23 Apr 2018 13:53

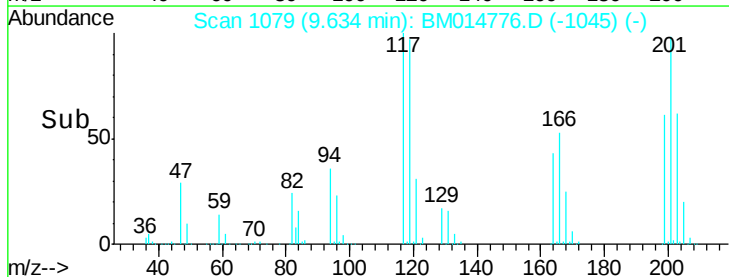
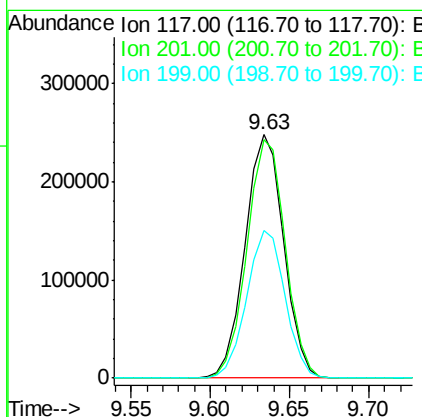
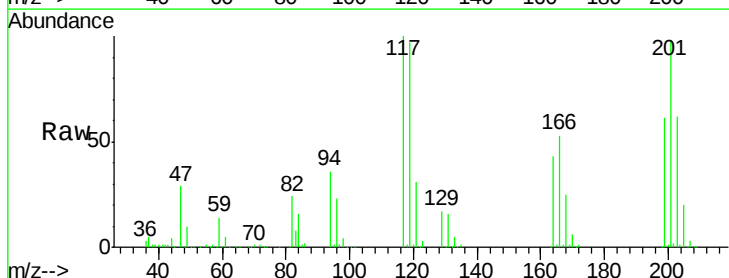
Instrument :
BNA_M
ClientSampleId :

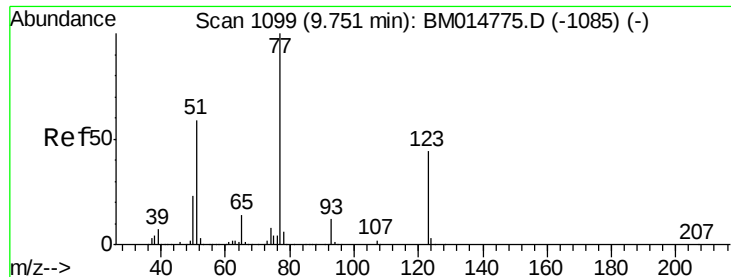
Tot Ion:108 Resp: 809270
Ion Ratio Lower Upper
108 100
107 124.7 84.9 127.3



#17
Hexachloroethane
Concen: 46.319 ng/ul
RT: 9.63 min Scan# 1079
Delta R.T. 0.00 min
Lab File: BM014776.D
Acq: 23 Apr 2018 13:53

Tgt Ion:117 Resp: 420247
Ion Ratio Lower Upper
117 100
201 98.0 111.6 167.4#
199 60.6 67.8 101.6#

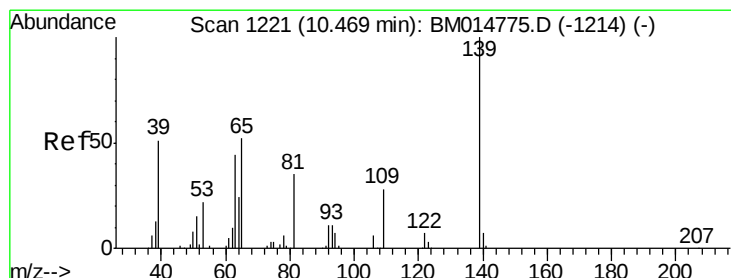
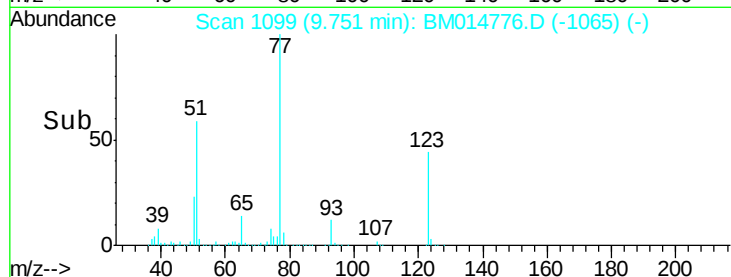
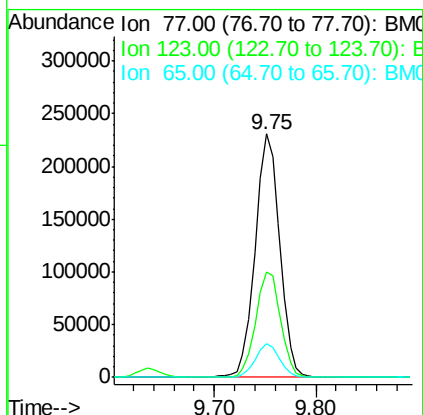
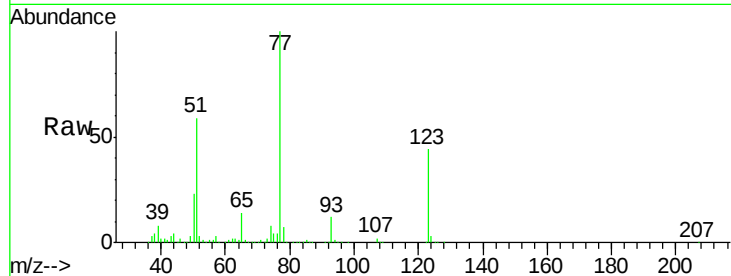




#20
Nitrobenzene
Concen: 15.414 ng/ul
RT: 9.75 min Scan# 1099
Delta R.T. 0.00 min
Lab File: BM014776.D
Acq: 23 Apr 2018 13:53

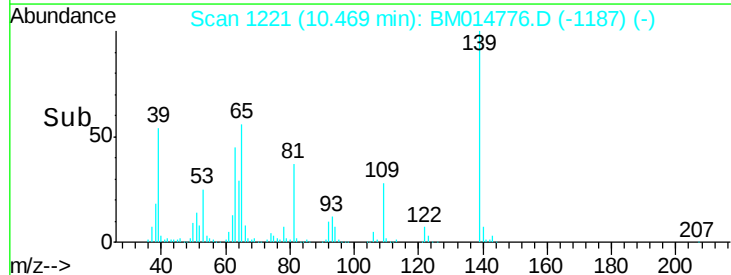
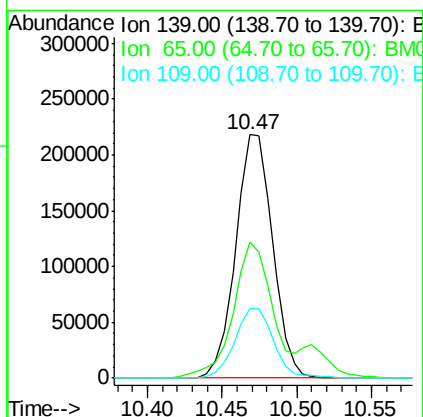
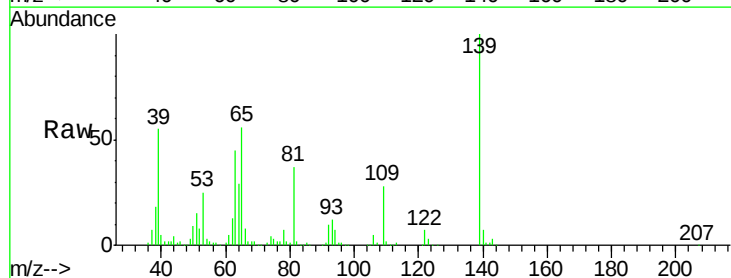
Instrument :
BNA_M
ClientSampled :

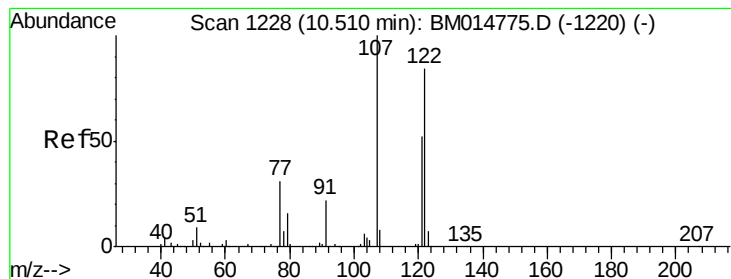
Tot Ion	Ratio	Lower	Upper
77	100		
123	43.5	31.0	46.6
65	13.7	12.2	18.2



#23
2-Nitrophenol
Concen: 33.167 ng/ul
RT: 10.47 min Scan# 1221
Delta R.T. 0.00 min
Lab File: BM014776.D
Acq: 23 Apr 2018 13:53

Tgt Ion	Ratio	Lower	Upper
139	100		
65	55.8	55.4	83.0
109	28.3	42.2	63.2





#24

2,4-Dimethylphenol

Concen: 21.176 ng/ul

RT: 10.51 min Scan# 1228

Delta R.T. 0.00 min

Lab File: BM014776.D

Acq: 23 Apr 2018 13:53

Instrument :

BNA_M

ClientSampleId :

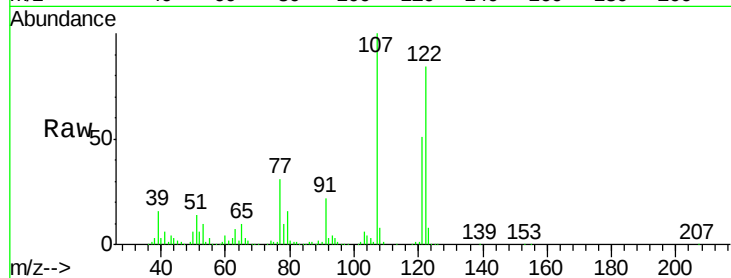
Tot Ion: 107 Resp: 506391

Ion Ratio Lower Upper

107 100

121 51.1 31.9 47.9#

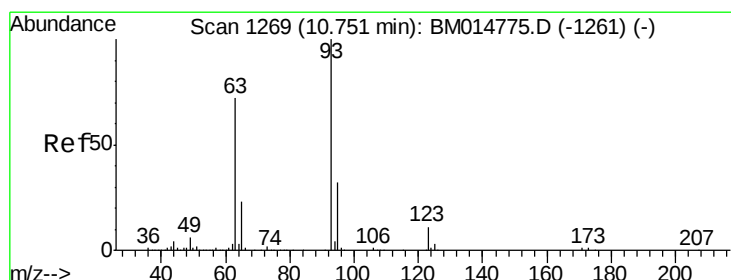
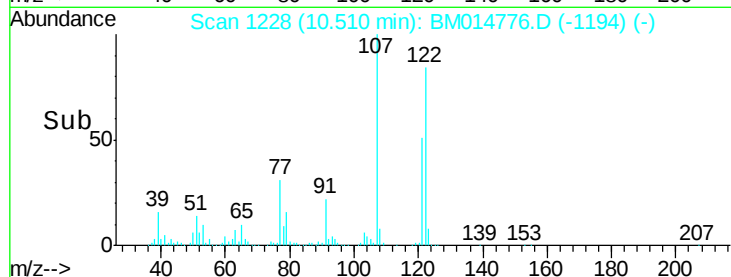
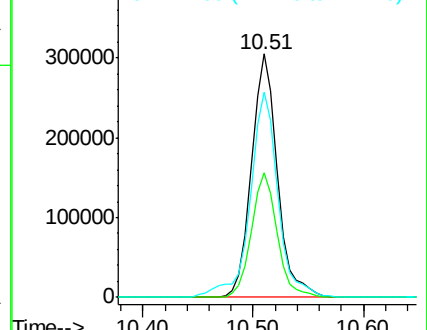
122 84.4 57.8 86.6



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E



#25

Bis(2-Chloroethoxy)methane

Concen: 14.068 ng/ul

RT: 10.75 min Scan# 1269

Delta R.T. 0.00 min

Lab File: BM014776.D

Acq: 23 Apr 2018 13:53

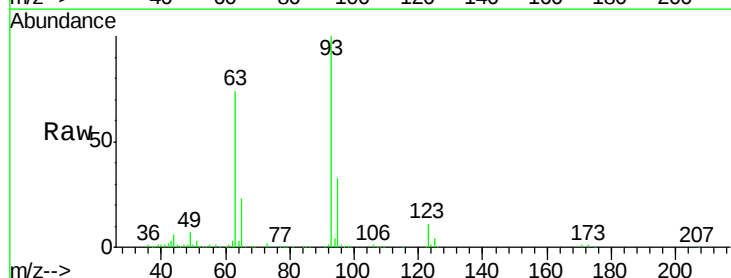
Tgt Ion: 93 Resp: 404235

Ion Ratio Lower Upper

93 100

95 33.0 28.5 42.7

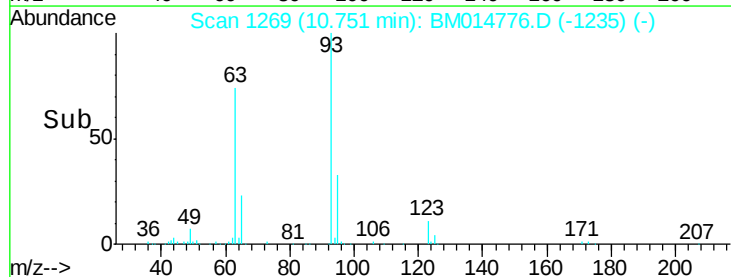
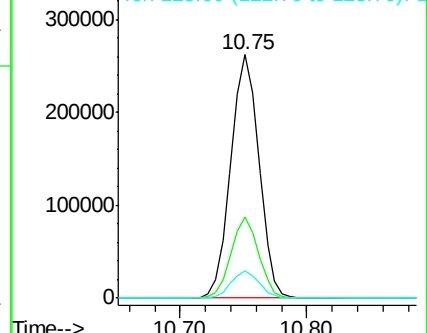
123 11.2 8.9 13.3

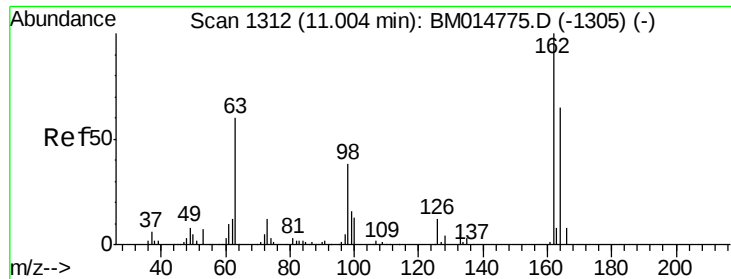


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 95.00 (94.70 to 95.70): BM0

Ion 123.00 (122.70 to 123.70): E





#27

2,4-Dichlorophenol

Concen: 19.945 ng/ul

RT: 11.00 min Scan# 1312

Delta R.T. 0.00 min

Lab File: BM014776.D

Acq: 23 Apr 2018 13:53

Instrument :

BNA_M

ClientSampleId :

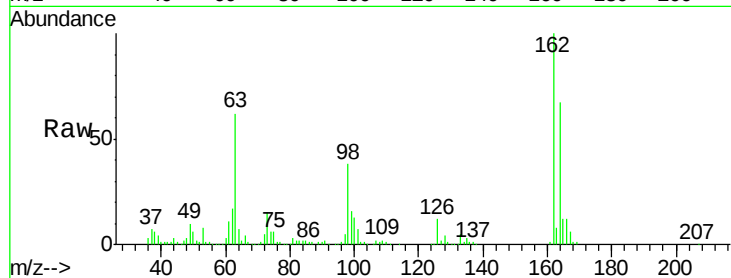
Tot Ion:162 Resp: 403132

Ion Ratio Lower Upper

162 100

164 67.5 47.8 71.6

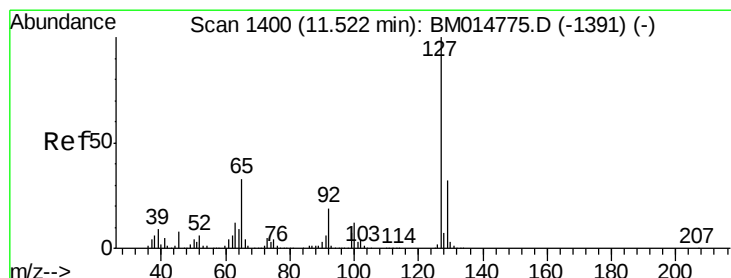
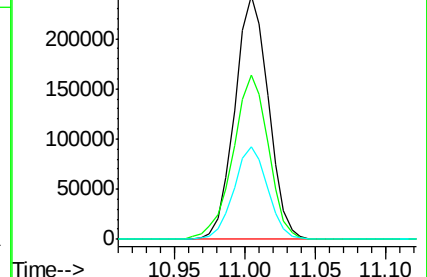
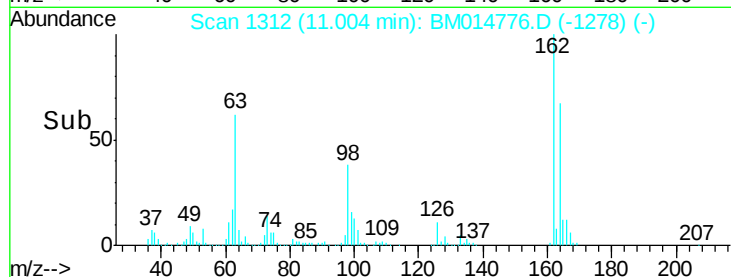
98 37.9 23.0 34.4#



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BM



#30

4-Chloroaniline

Concen: 63.796 ng/ul

RT: 11.52 min Scan# 1400

Delta R.T. 0.00 min

Lab File: BM014776.D

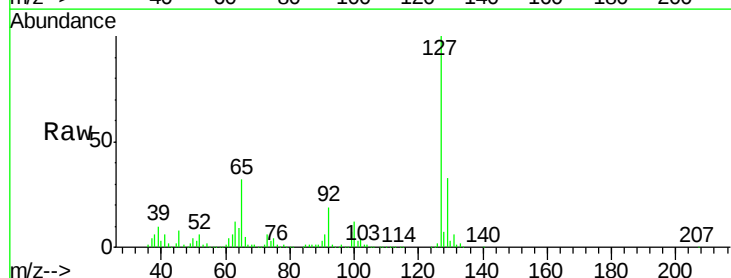
Acq: 23 Apr 2018 13:53

Tgt Ion:127 Resp: 1293986

Ion Ratio Lower Upper

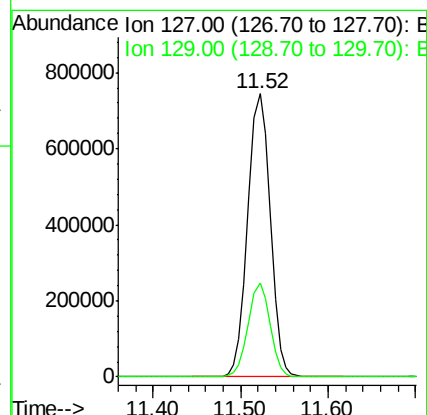
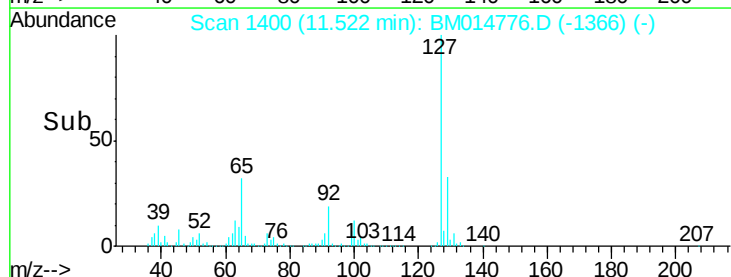
127 100

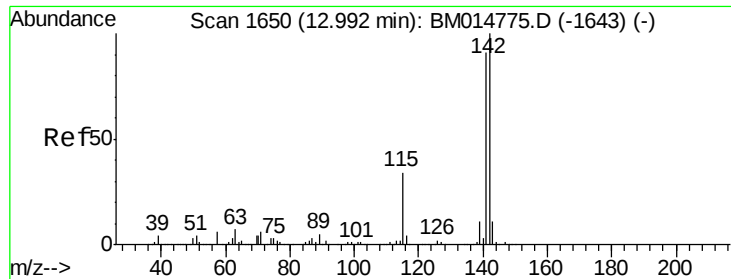
129 33.2 28.4 42.6



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

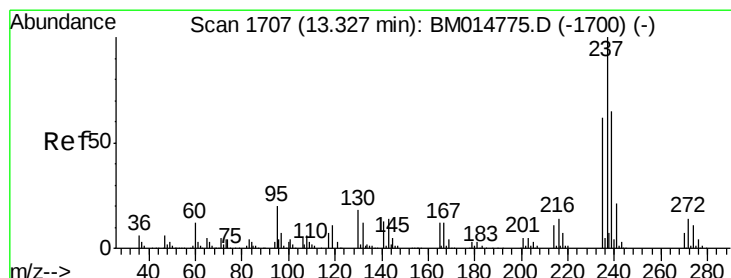
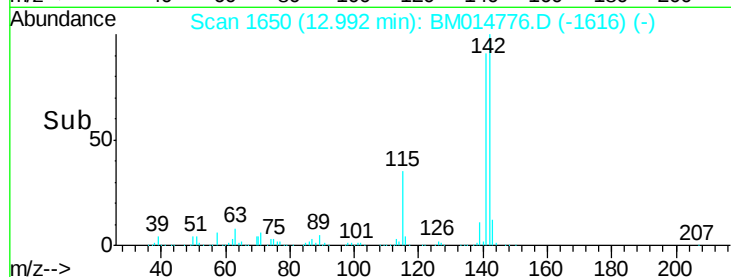
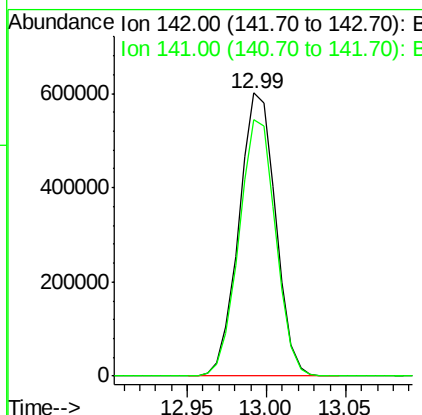
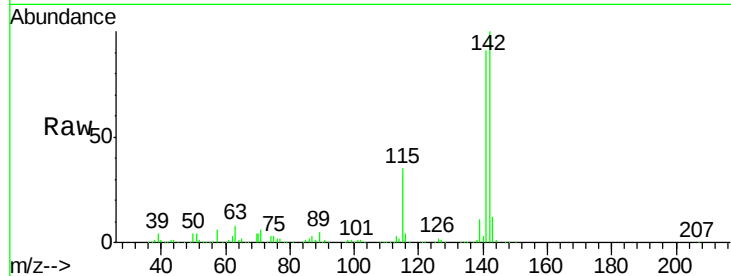




#34
 2-Methylnaphthalene
 Concen: 19.692 ng/ul
 RT: 12.99 min Scan# 1650
 Delta R.T. 0.00 min
 Lab File: BM014776.D
 Acq: 23 Apr 2018 13:53

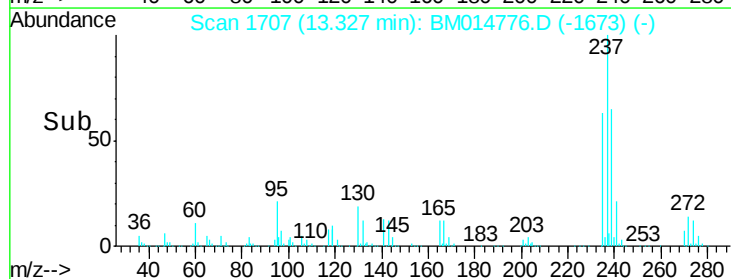
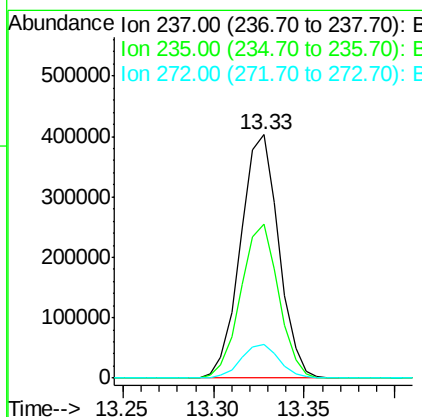
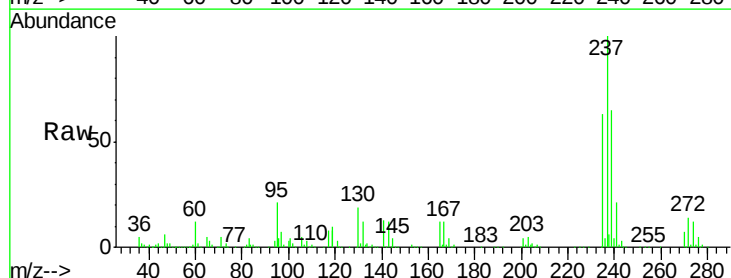
Instrument :
 BNA_M
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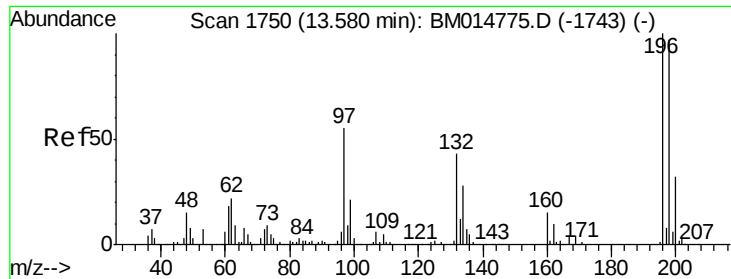
Tot Ion:142 Resp: 964314
 Ion Ratio Lower Upper
 142 100
 141 90.6 74.1 111.1



#37
 Hexachlorocyclopentadiene
 Concen: 36.144 ng/ul
 RT: 13.33 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: BM014776.D
 Acq: 23 Apr 2018 13:53

Tgt Ion:237 Resp: 591029
 Ion Ratio Lower Upper
 237 100
 235 63.1 50.2 75.4
 272 14.1 11.0 16.6

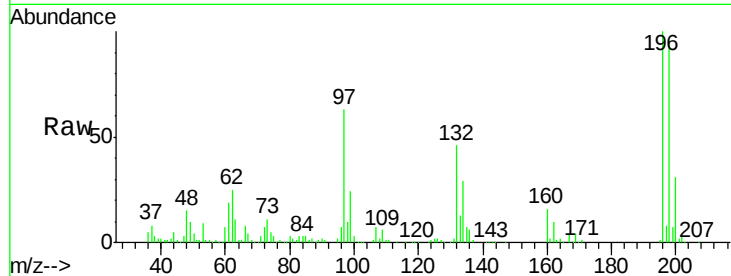




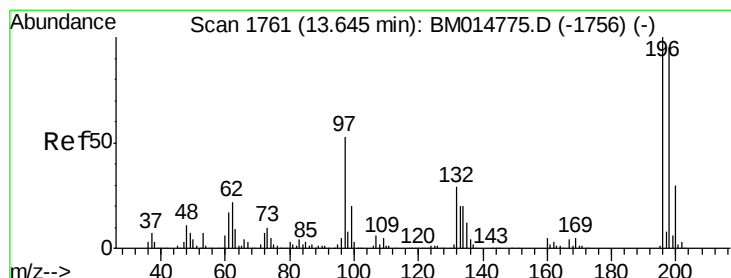
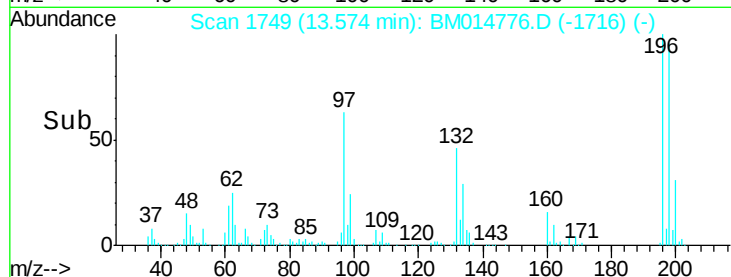
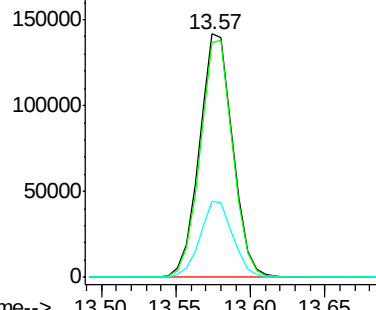
#38
 2,4,6-Trichlorophenol
 Concen: 15.091 ng/ul
 RT: 13.57 min Scan# 1749
 Delta R.T. -0.01 min
 Lab File: BM014776.D
 Acq: 23 Apr 2018 13:53

Instrument :
 BNA_M
 ClientSampled :

Tot Ion:196 Resp: 221241
 Ion Ratio Lower Upper
 196 100
 198 96.3 74.1 111.1
 200 31.2 25.2 37.8

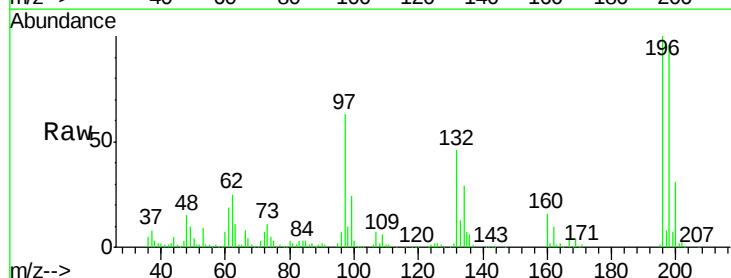


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

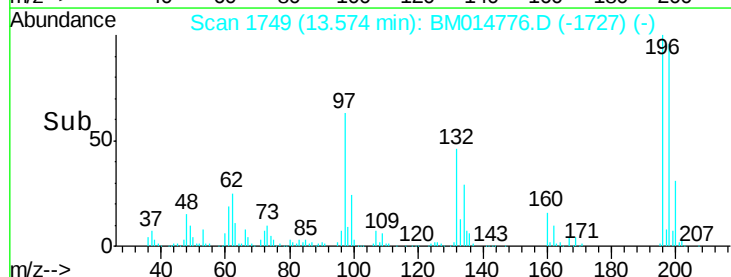
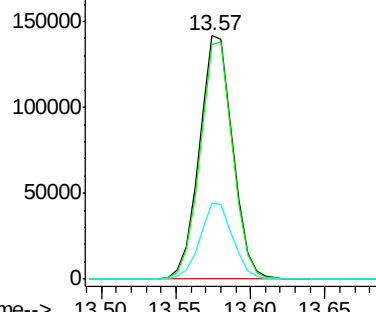


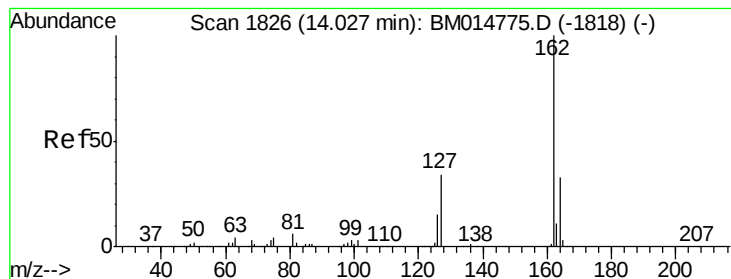
#39
 2,4,5-Trichlorophenol
 Concen: 14.129 ng/ul
 RT: 13.57 min Scan# 1749
 Delta R.T. -0.07 min
 Lab File: BM014776.D
 Acq: 23 Apr 2018 13:53

Tgt Ion:196 Resp: 221241
 Ion Ratio Lower Upper
 196 100
 198 96.3 75.6 113.4
 200 31.2 25.5 38.3



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





#41

2-Chloronaphthalene

Concen: 11.667 ng/ul

RT: 14.02 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BM014776.D

Acq: 23 Apr 2018 13:53

Instrument :

BNA_M

ClientSampled :

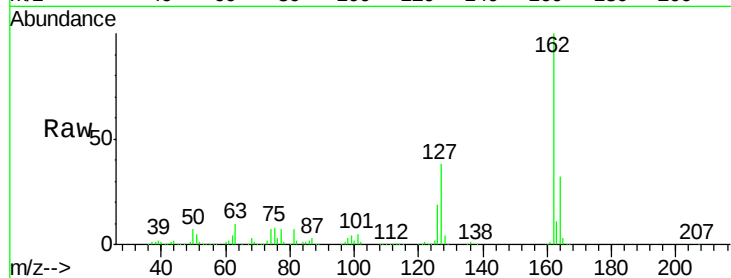
Tot Ion: 162 Resp: 551636

Ion Ratio Lower Upper

162 100

164 32.3 25.9 38.9

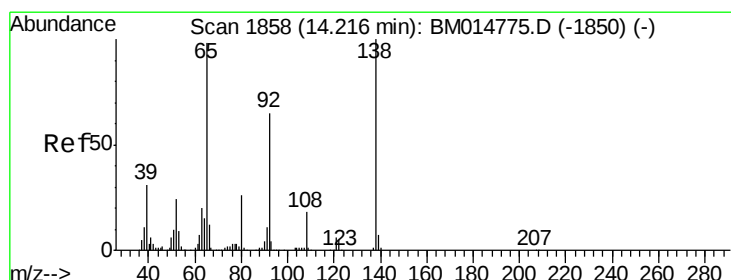
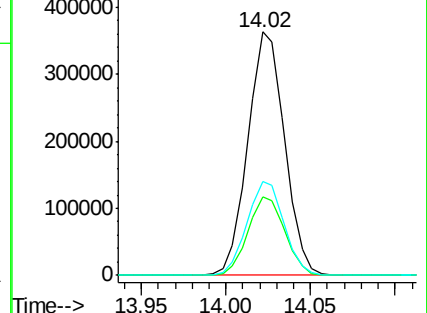
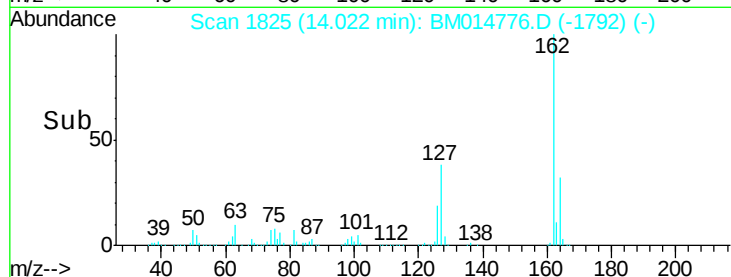
127 38.4 29.4 44.2



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 127.00 (126.70 to 127.70): E



#42

2-Nitroaniline

Concen: 63.439 ng/ul

RT: 14.22 min Scan# 1858

Delta R.T. 0.00 min

Lab File: BM014776.D

Acq: 23 Apr 2018 13:53

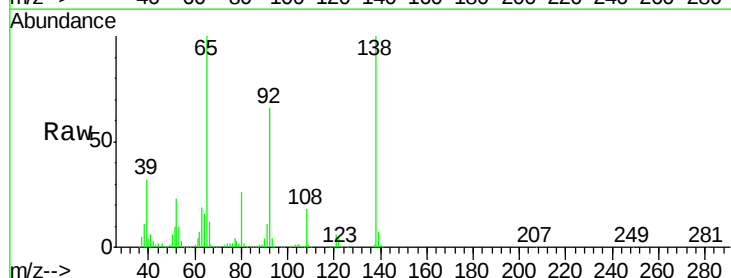
Tgt Ion: 65 Resp: 793771

Ion Ratio Lower Upper

65 100

92 66.1 51.8 77.6

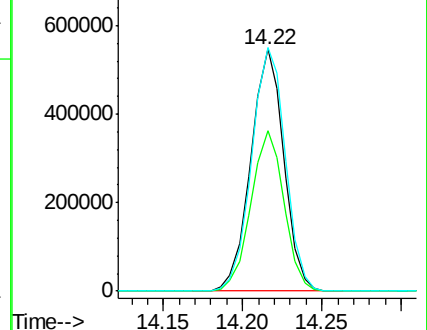
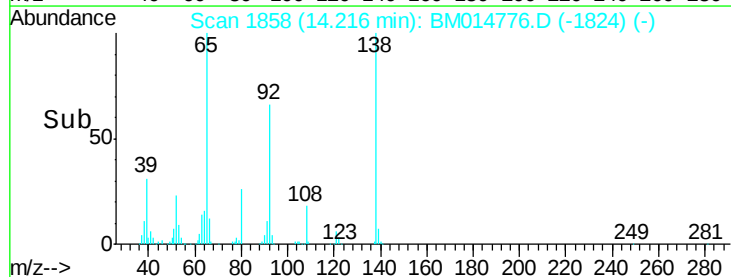
138 100.5 74.2 111.4

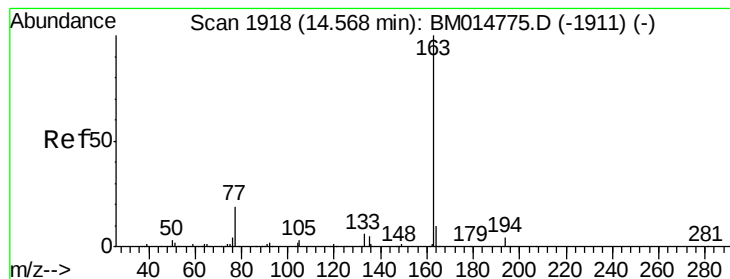


Abundance Ion 65.00 (64.70 to 65.70): BM0

Ion 92.00 (91.70 to 92.70): BM0

Ion 138.00 (137.70 to 138.70): E





#44

Dimethylphthalate

Concen: 26.883 ng/ul

RT: 14.57 min Scan# 1918

Delta R.T. 0.00 min

Lab File: BM014776.D

Acq: 23 Apr 2018 13:53

Instrument :

BNA_M

ClientSampled :

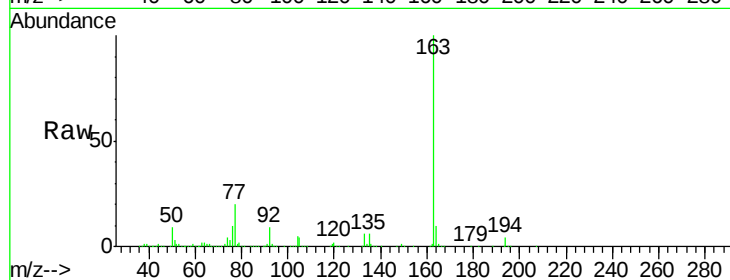
Tot Ion:163 Resp: 1535963

Ion Ratio Lower Upper

163 100

194 4.1 3.5 5.3

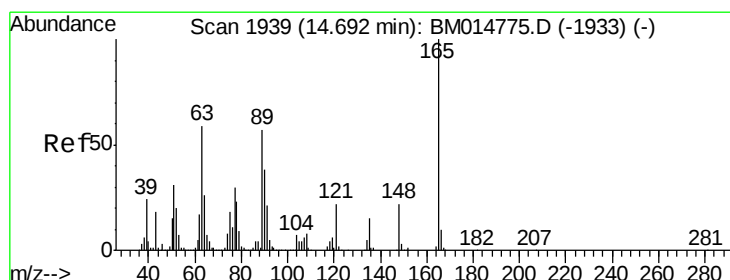
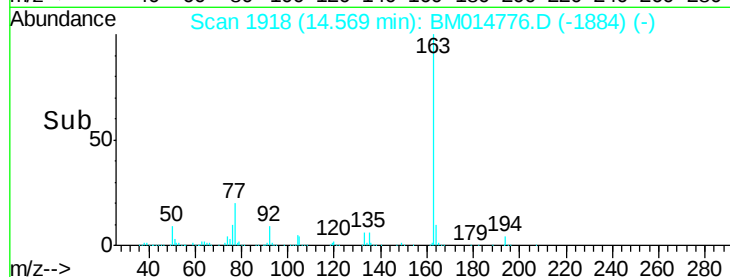
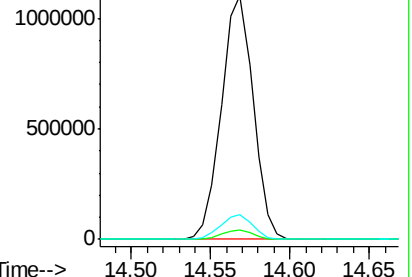
164 10.2 8.2 12.4



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



#45

2,6-Dinitrotoluene

Concen: 13.581 ng/ul

RT: 14.69 min Scan# 1939

Delta R.T. 0.00 min

Lab File: BM014776.D

Acq: 23 Apr 2018 13:53

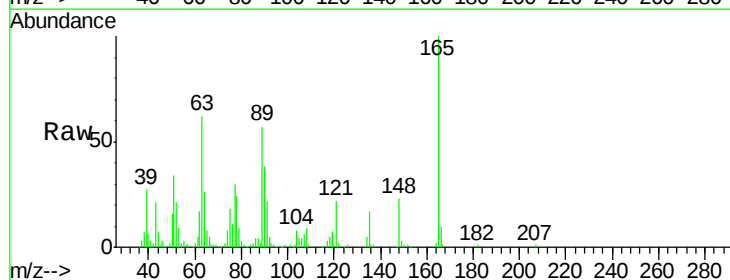
Tgt Ion:165 Resp: 142318

Ion Ratio Lower Upper

165 100

89 56.7 52.6 79.0

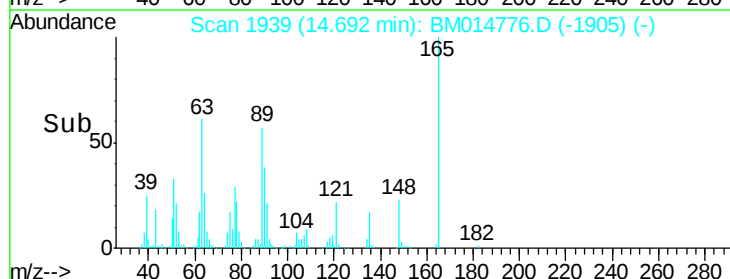
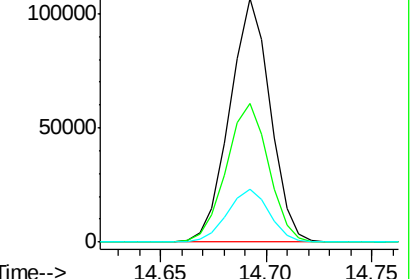
121 21.5 14.6 22.0

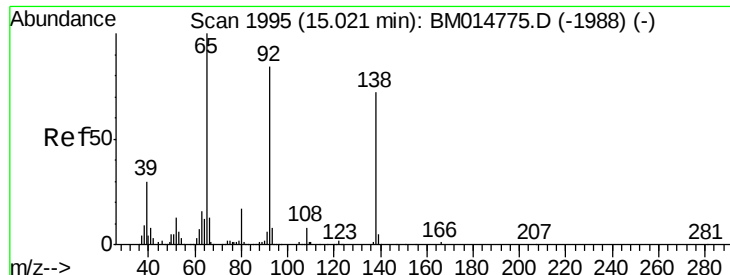


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BM0

Ion 121.00 (120.70 to 121.70): E

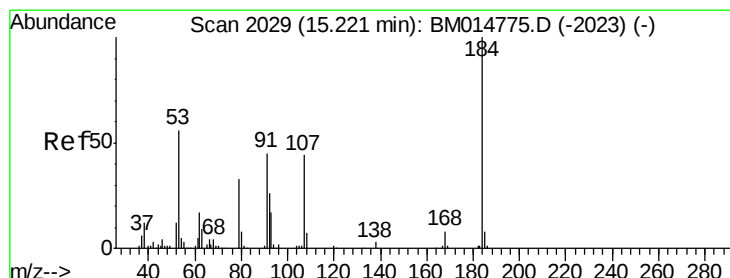
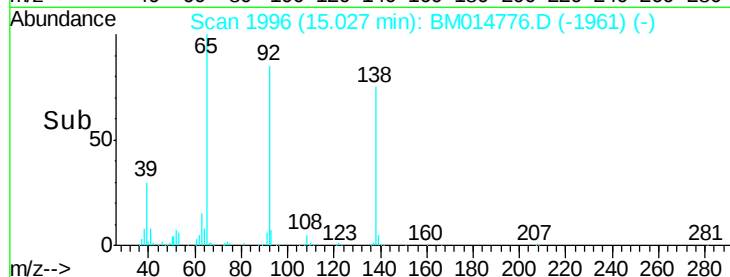
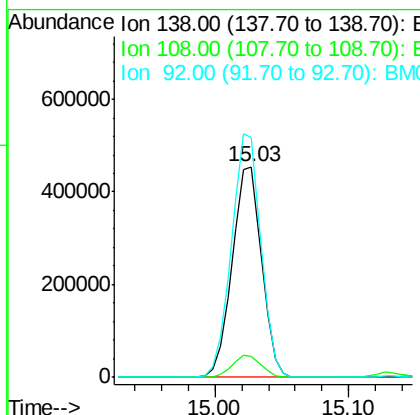
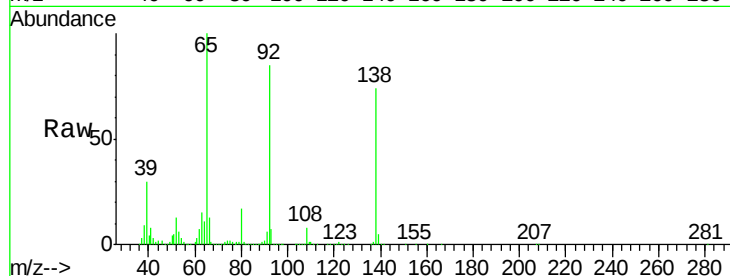




#48
3-Nitroaniline
Concen: 67.764 ng/ul
RT: 15.03 min Scan# 1996
Delta R.T. 0.01 min
Lab File: BM014776.D
Acq: 23 Apr 2018 13:53

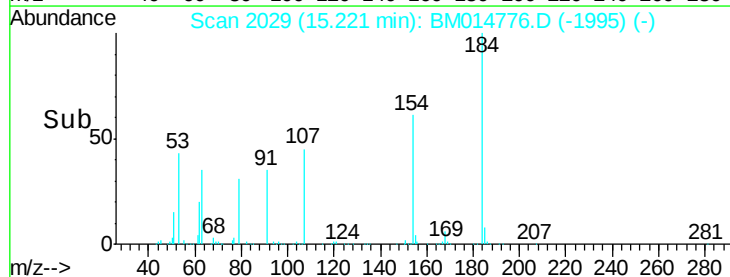
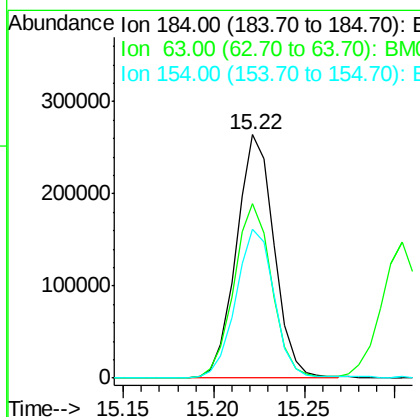
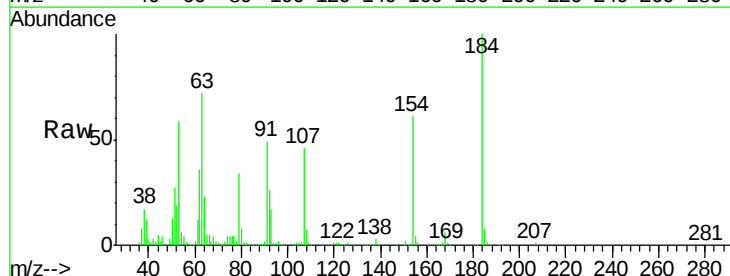
Instrument :
BNA_M
ClientSampleId :

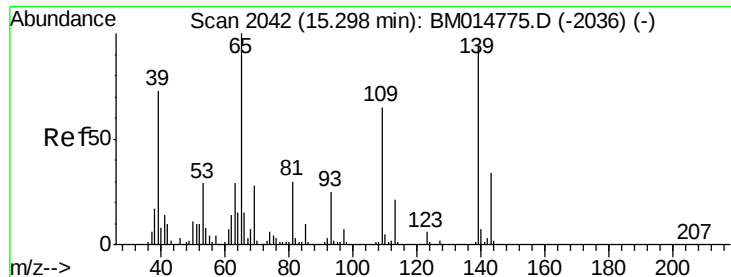
Tot Ion:138 Resp: 698770
Ion Ratio Lower Upper
138 100
108 10.2 9.9 14.9
92 114.1 105.0 157.4



#50
2,4-Dinitrophenol
Concen: 65.588 ng/ul
RT: 15.22 min Scan# 2029
Delta R.T. 0.00 min
Lab File: BM014776.D
Acq: 23 Apr 2018 13:53

Tgt Ion:184 Resp: 381624
Ion Ratio Lower Upper
184 100
63 71.5 50.1 75.1
154 61.3 54.5 81.7

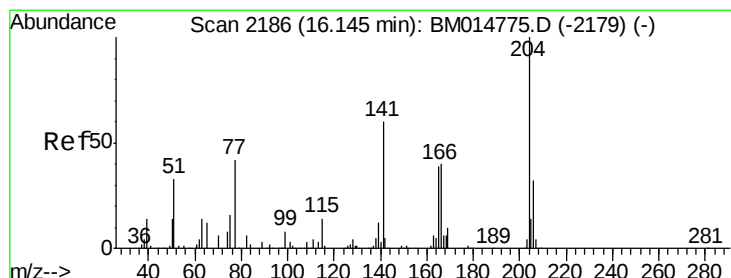
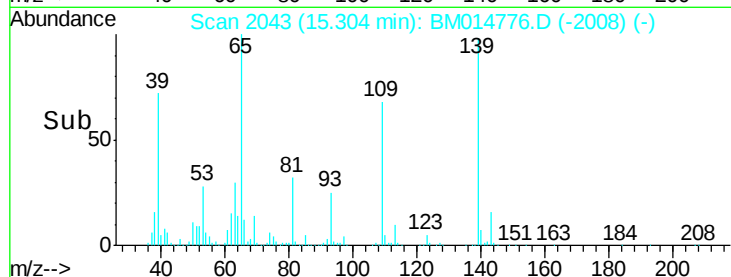
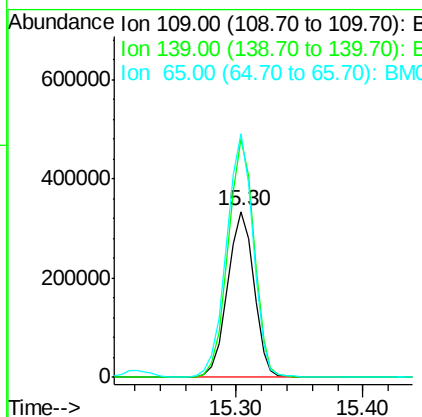
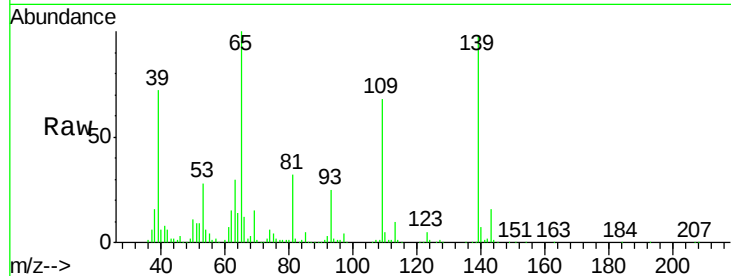




#52
4-Nitrophenol
Concen: 60.912 ng/ul
RT: 15.30 min Scan# 2043
Delta R.T. 0.01 min
Lab File: BM014776.D
Acq: 23 Apr 2018 13:53

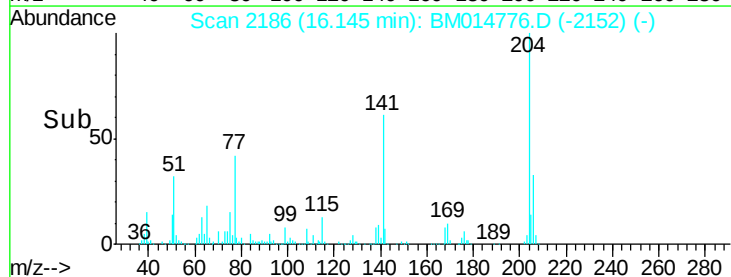
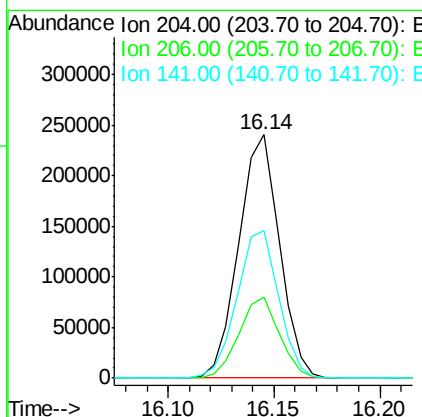
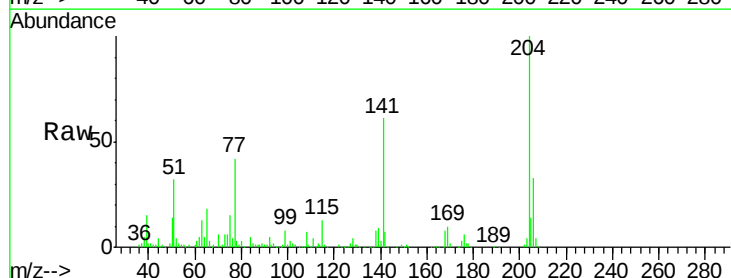
Instrument :
BNA_M
ClientSampleId :

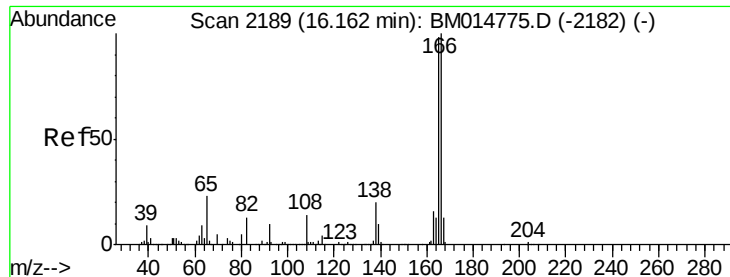
Tot Ion	Ratio	Lower	Upper
109	100		
139	144.2	80.0	120.0#
65	146.8	120.0	180.0



#59
4-Chlorophenyl-phenylether
Concen: 11.455 ng/ul
RT: 16.14 min Scan# 2186
Delta R.T. 0.00 min
Lab File: BM014776.D
Acq: 23 Apr 2018 13:53

Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.1	24.8	37.2
141	60.7	44.3	66.5

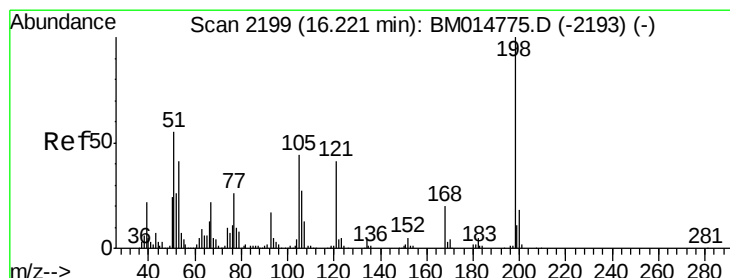
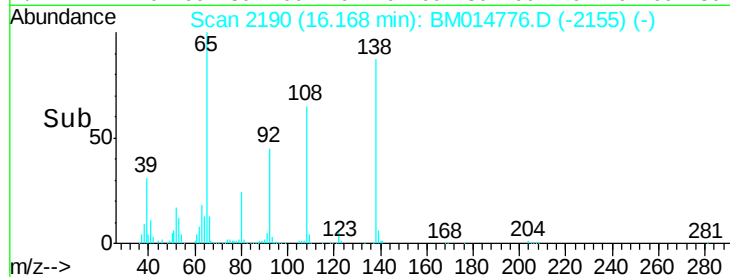
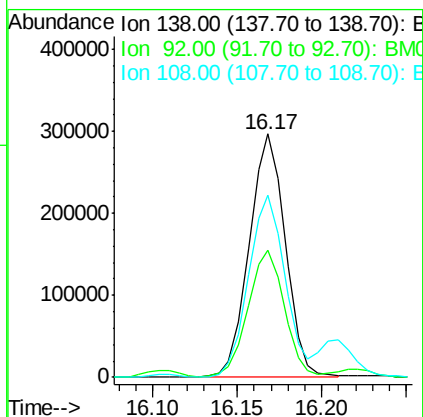
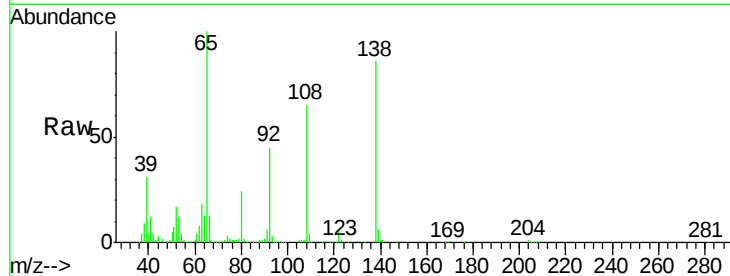




#60
4-Nitroaniline
Concen: 36.639 ng/ul
RT: 16.17 min Scan# 2190
Delta R.T. 0.01 min
Lab File: BM014776.D
Acq: 23 Apr 2018 13:53

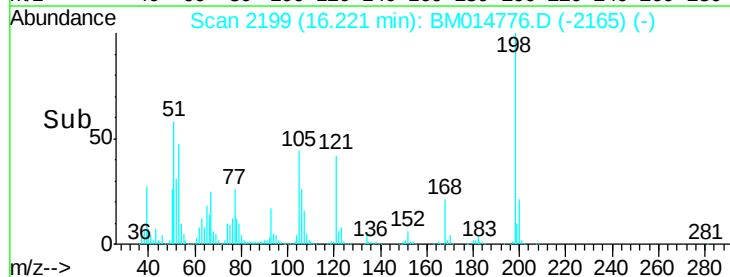
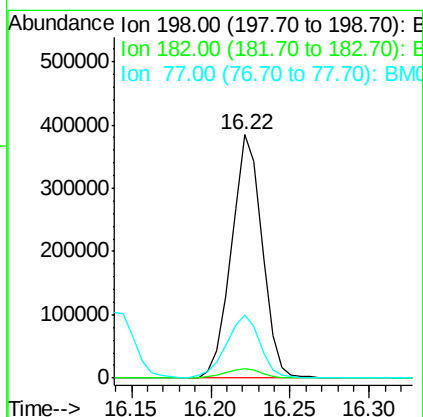
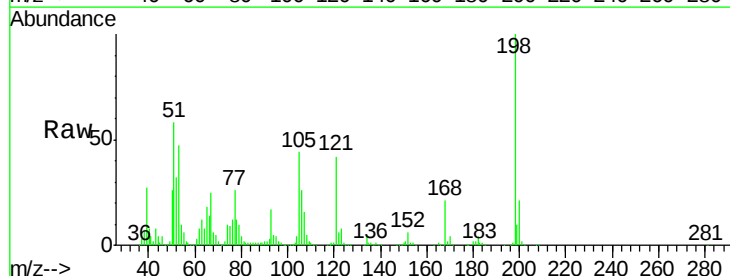
Instrument :
BNA_M
ClientSampleId :

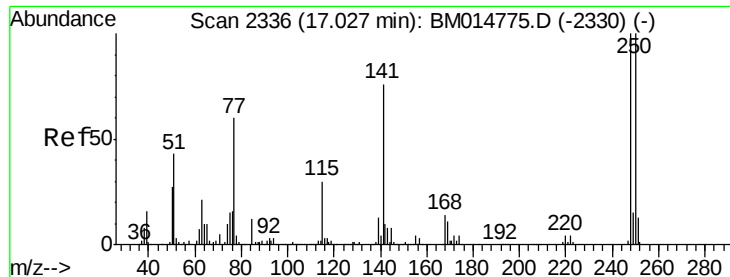
Tot Ion:138 Resp: 440750
Ion Ratio Lower Upper
138 100
92 52.3 40.0 60.0
108 74.9 80.0 120.0#



#63
4,6-Dinitro-2-methylphenol
Concen: 58.901 ng/ul
RT: 16.22 min Scan# 2199
Delta R.T. 0.00 min
Lab File: BM014776.D
Acq: 23 Apr 2018 13:53

Tgt Ion:198 Resp: 515316
Ion Ratio Lower Upper
198 100
182 4.0 3.8 5.6
77 25.8 25.2 37.8





#65

4-Bromophenyl-phenylether

Concen: 50.272 ng/ul

RT: 17.03 min Scan# 2336

Delta R.T. 0.00 min

Lab File: BM014776.D

Acq: 23 Apr 2018 13:53

Instrument :

BNA_M

ClientSampleId :

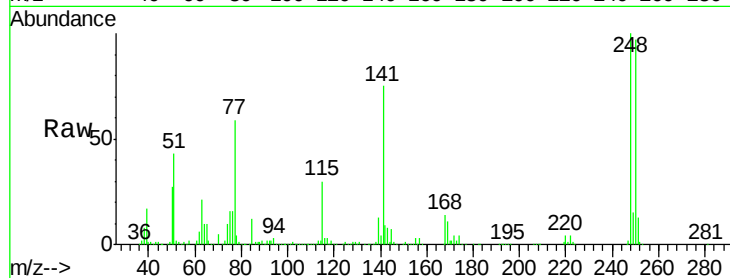
Tot Ion:248 Resp: 826161

Ion Ratio Lower Upper

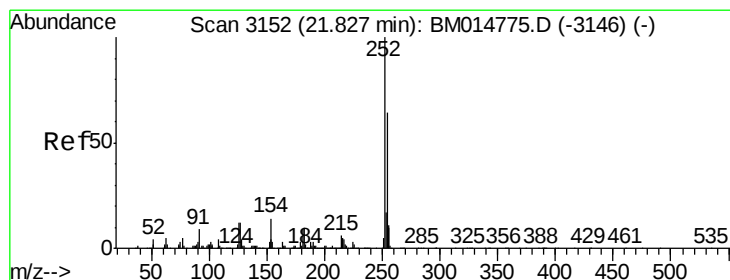
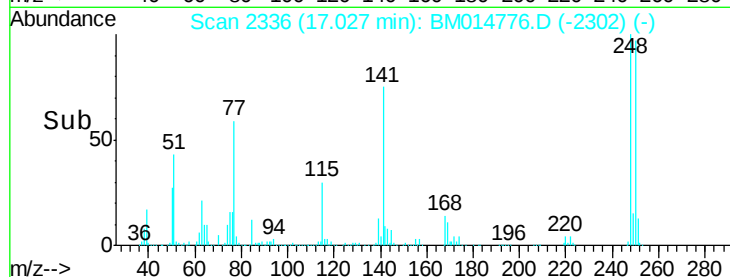
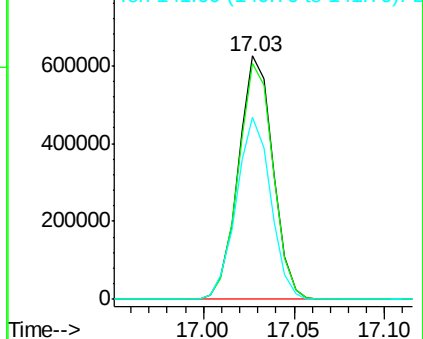
248 100

250 97.1 80.5 120.7

141 74.8 53.6 80.4



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E



#79

3,3'-Dichlorobenzidine

Concen: 24.157 ng/ul

RT: 21.83 min Scan# 3152

Delta R.T. 0.00 min

Lab File: BM014776.D

Acq: 23 Apr 2018 13:53

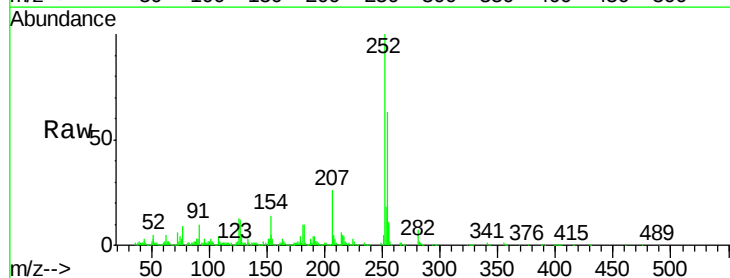
Tgt Ion:252 Resp: 703043

Ion Ratio Lower Upper

252 100

254 63.4 54.5 81.7

126 12.7 5.8 8.8#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E

