

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122617\
 Data File : BF101708.D
 Acq On : 26 Dec 2017 11:57
 Operator : SJ/JU
 Sample : I6827-18 DL 10X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-4539-01DL

Quant Time: Dec 26 12:27:03 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 26 10:48:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	142467	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	564426	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	271258	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	534903	20.00	ng	0.00
75) Chrysene-d12	13.96	240	480855	20.00	ng	0.00
86) Perylene-d12	15.43	264	411969	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	116831	12.22	ng	0.04
7) Phenol-d6	6.46	99	135491	11.38	ng	0.02
23) Nitrobenzene-d5	7.36	82	107778	10.63	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	38209	14.62	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	224868	12.86	ng	0.00
78) Terphenyl-d14	12.89	244	258117	12.94	ng	0.00

Target Compounds

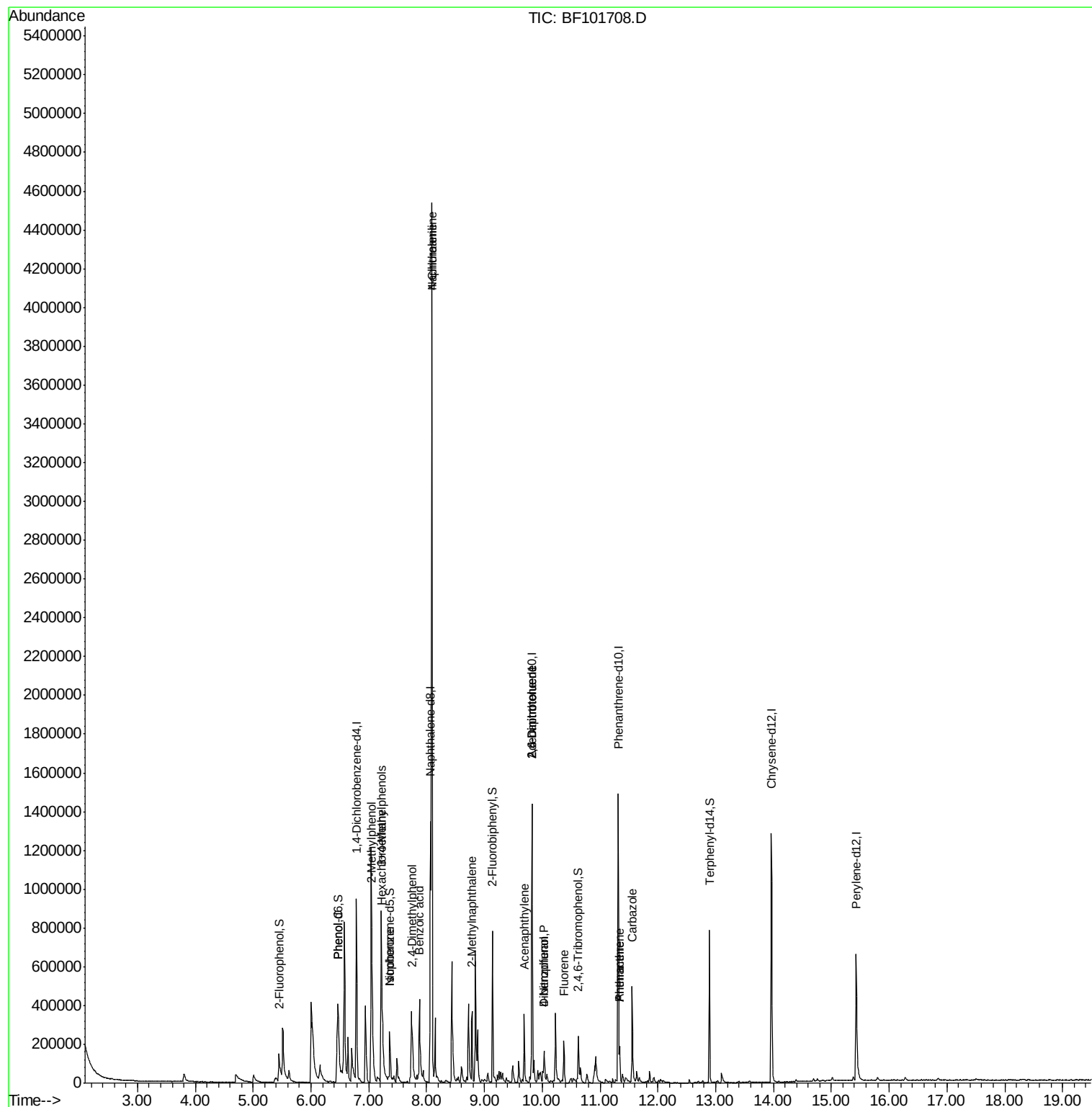
						Qvalue
10) Phenol	6.47	94	249307	18.376	ng	99
17) 2-Methylphenol	7.06	107	127123	13.736	ng	98
18) Hexachloroethane	7.23	117	23985	5.949	ng	# 2
20) 3+4-Methylphenols	7.22	107	318013	32.427	ng	85
25) Isophorone	7.36	82	107778	5.299	ng	# 64
27) 2,4-Dimethylphenol	7.74	122	138796	16.946	ng	97
31) Naphthalene	8.09	128	2383757	83.890	ng	99
32) Benzoic acid	7.87	122	112573	24.976	ng	# 14
33) 4-Chloroaniline	8.09	127	329420	26.673	ng	# 35
37) 2-Methylnaphthalene	8.79	142	102240	5.523	ng	100
48) Acenaphthylene	9.69	152	131032	4.507	ng	100
50) 2,6-Dinitrotoluene	9.82	165	34610	7.805	ng	# 26
54) Dibenzofuran	10.03	168	60765	2.737	ng	97
55) 4-Nitrophenol	10.03	139	22735	9.430	ng	# 11
56) 2,4-Dinitrotoluene	9.82	165	34610	6.927	ng	# 24
57) Fluorene	10.37	166	58870	3.135	ng	98
70) Phenanthrene	11.34	178	70841	2.381	ng	99
71) Anthracene	11.34	178	70841	2.331	ng	99
72) Carbazole	11.56	167	220132	7.738	ng	98

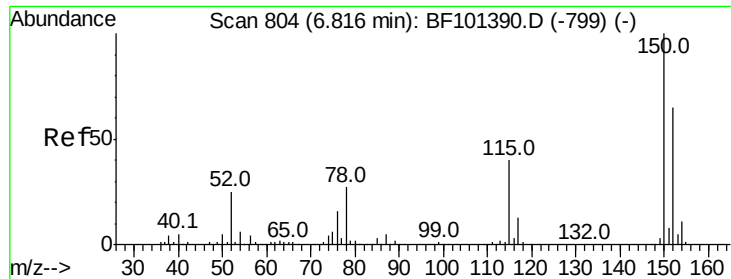
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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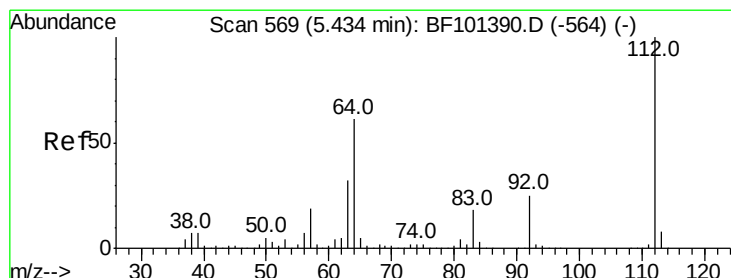
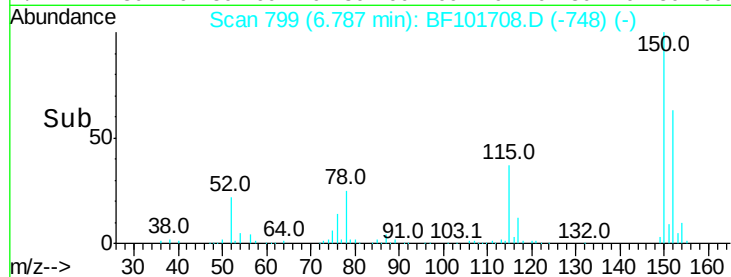
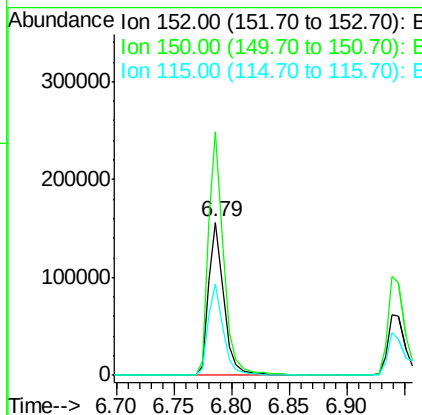
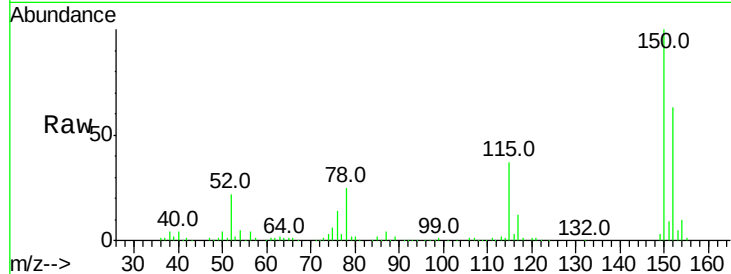


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: BF101708.D
 Acq: 26 Dec 2017 11:57

Instrument :
 BNA_F
 ClientSampleId :
 WC-4539-01DL

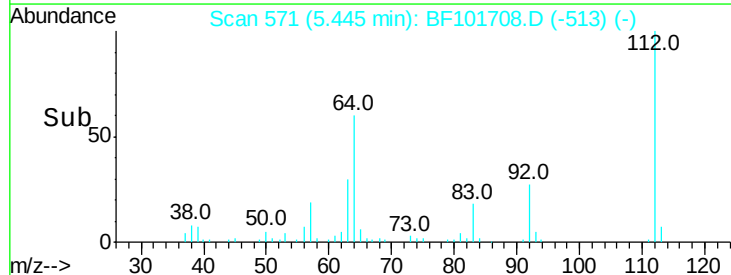
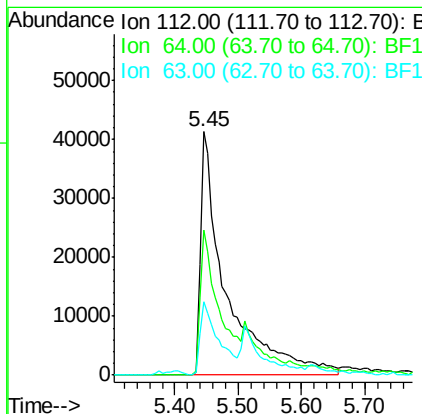
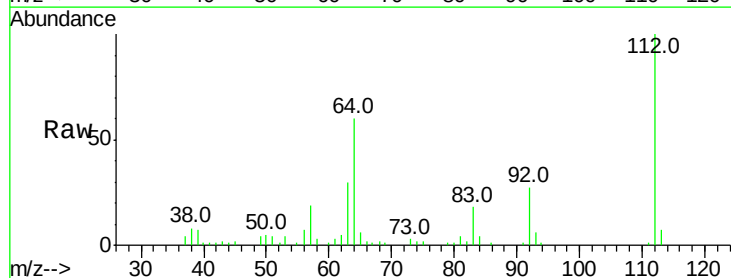
Tot Ion:152 Resp: 142467
 Ion Ratio Lower Upper
 152 100
 150 159.4 124.6 186.8
 115 59.6 50.1 75.1

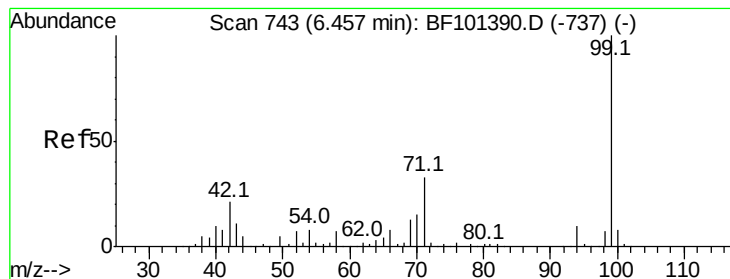


#5

2-Fluorophenol
 Concen: 12.215 ng
 RT: 5.45 min Scan# 571
 Delta R.T. 0.04 min
 Lab File: BF101708.D
 Acq: 26 Dec 2017 11:57

Tgt Ion:112 Resp: 116831
 Ion Ratio Lower Upper
 112 100
 64 59.7 47.9 71.9
 63 30.4 23.7 35.5





#7

Phenol-d6

Concen: 11.383 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.02 min

Lab File: BF101708.D

Acq: 26 Dec 2017 11:57

Instrument :

BNA_F

ClientSampleId :

WC-4539-01DL

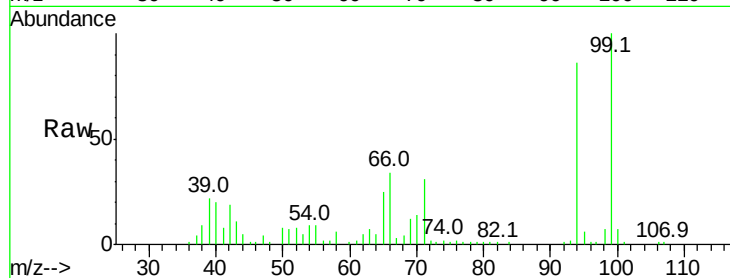
Tot Ion: 99 Resp: 135491

Ion Ratio Lower Upper

99 100

42 19.1 14.5 21.7

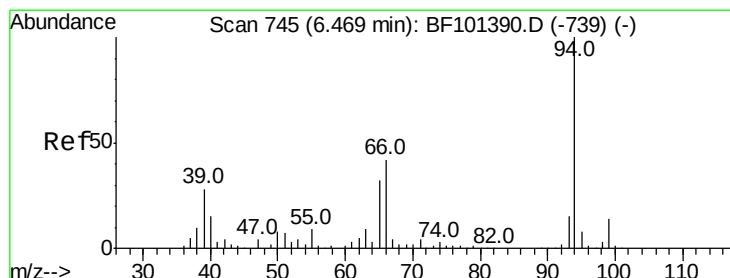
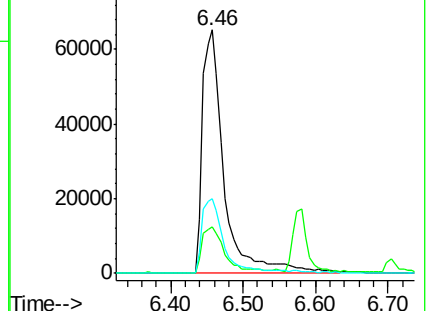
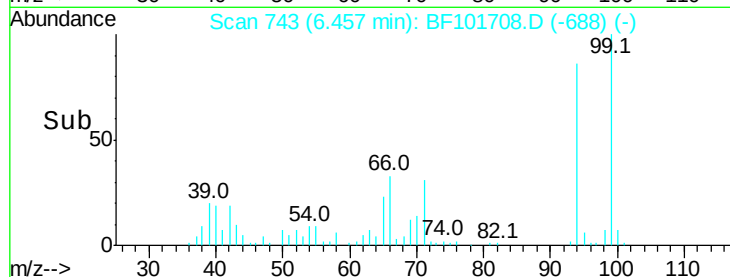
71 30.7 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 18.376 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.02 min

Lab File: BF101708.D

Acq: 26 Dec 2017 11:57

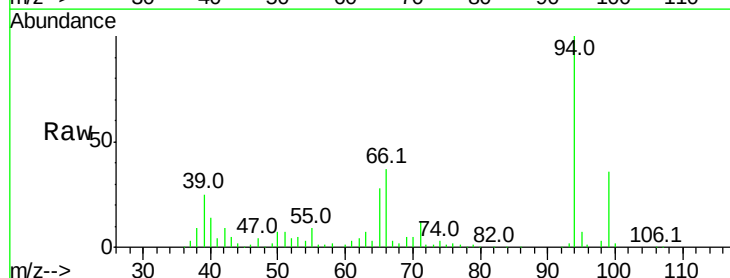
Tgt Ion: 94 Resp: 249307

Ion Ratio Lower Upper

94 100

65 28.1 7.9 47.9

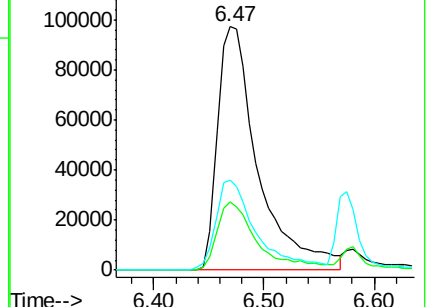
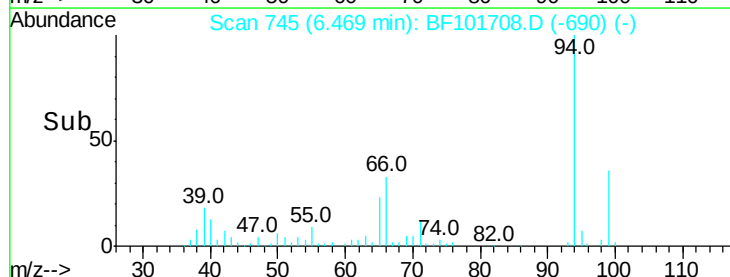
66 36.9 16.2 56.2

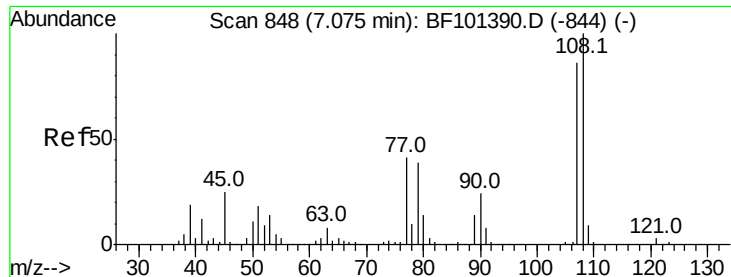


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#17

2-Methylphenol

Concen: 13.736 ng

RT: 7.06 min Scan# 845

Delta R.T. 0.01 min

Lab File: BF101708.D

Acq: 26 Dec 2017 11:57

Instrument :

BNA_F

ClientSampleId :

WC-4539-01DL

Tot Ion:107 Resp: 127123

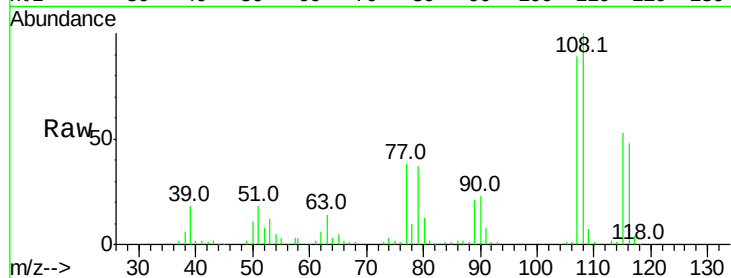
Ion Ratio Lower Upper

107 100

108 112.4 91.7 137.5

77 43.1 33.8 50.8

79 41.5 33.8 50.8

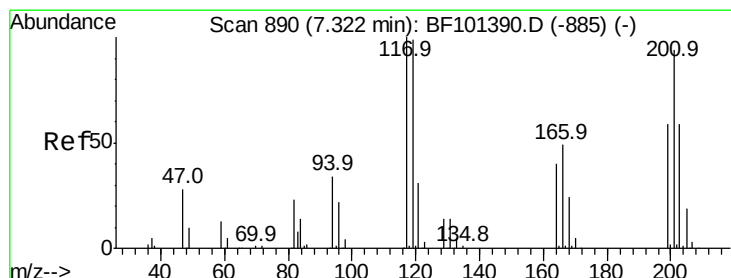
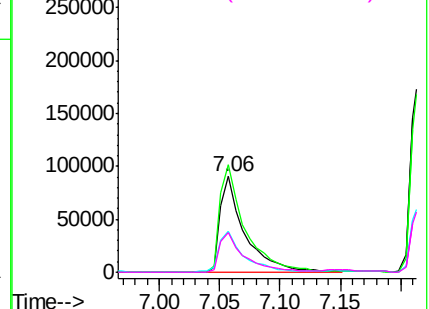
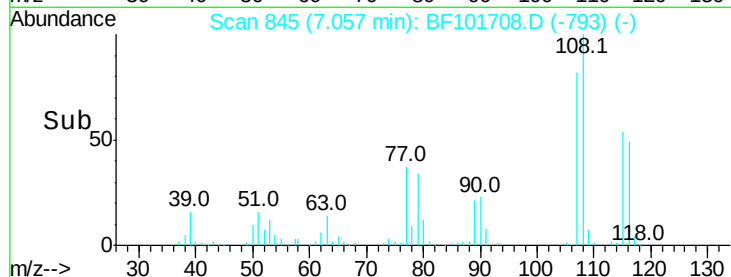


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 5.949 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.06 min

Lab File: BF101708.D

Acq: 26 Dec 2017 11:57

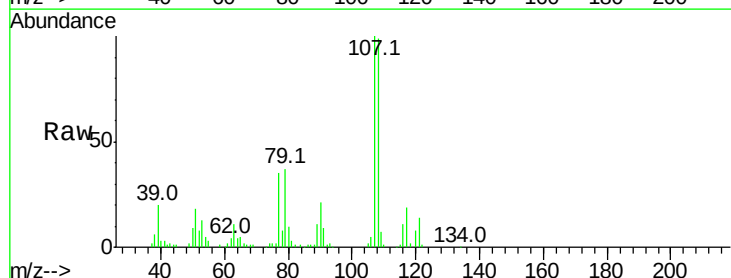
Tgt Ion:117 Resp: 23985

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.8#

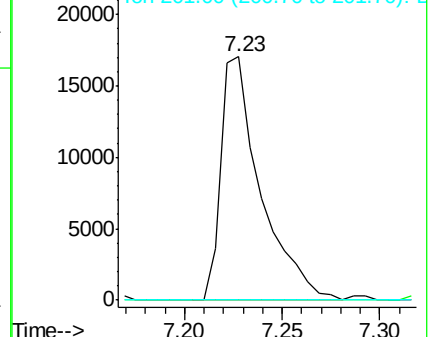
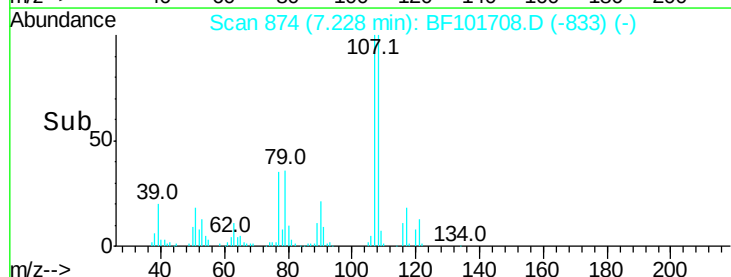
201 0.0 75.7 113.5#

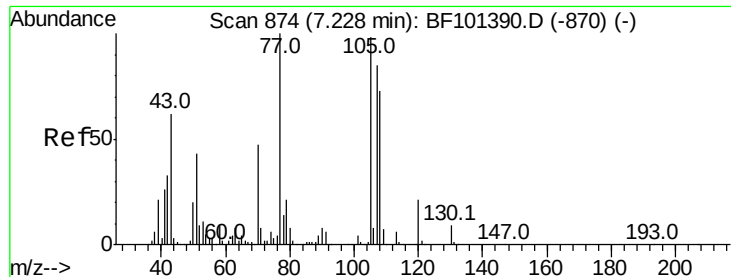


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#20

3+4-Methylphenols

Concen: 32.427 ng

RT: 7.22 min Scan# 872

Delta R.T. 0.01 min

Lab File: BF101708.D

Acq: 26 Dec 2017 11:57

Instrument :

BNA_F

ClientSampleId :

WC-4539-01DL

Tot Ion:107 Resp: 318013

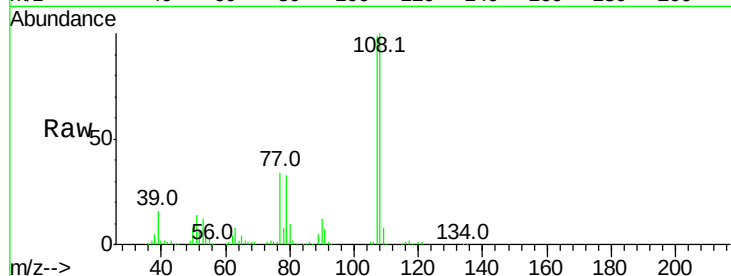
Ion Ratio Lower Upper

107 100

108 100.7 68.2 108.2

77 34.3 26.7 66.7

79 33.7 6.3 46.3

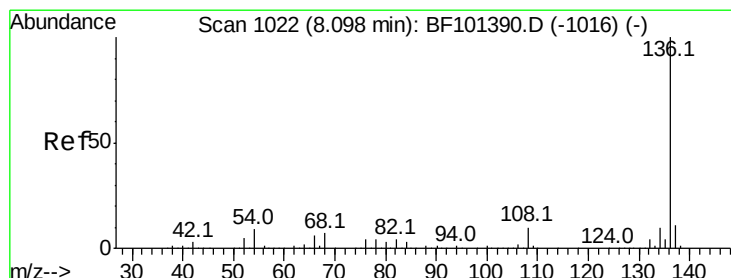
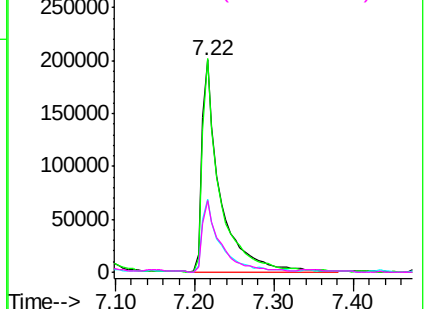
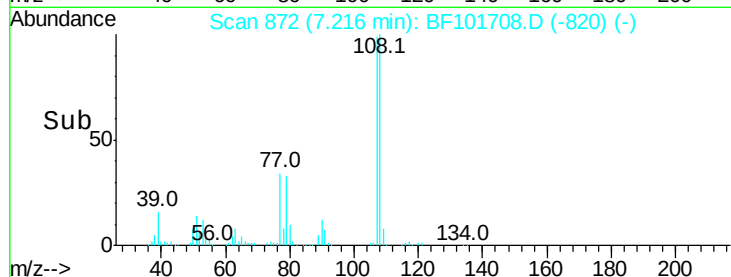


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.00 min

Lab File: BF101708.D

Acq: 26 Dec 2017 11:57

Tgt Ion:136 Resp: 564426

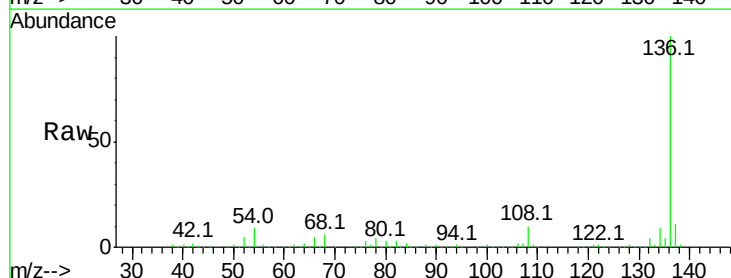
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 8.7 6.6 9.8

68 6.4 5.0 7.4

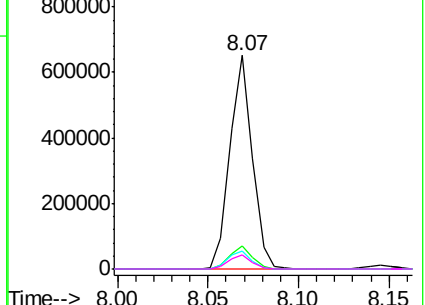
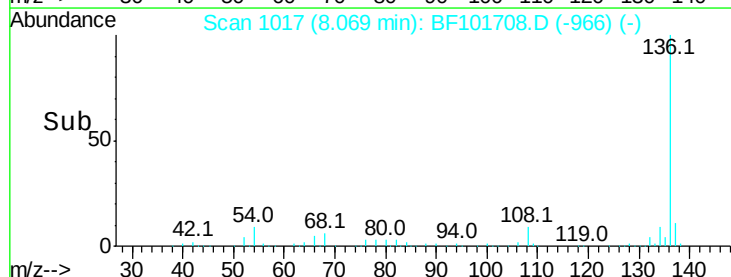


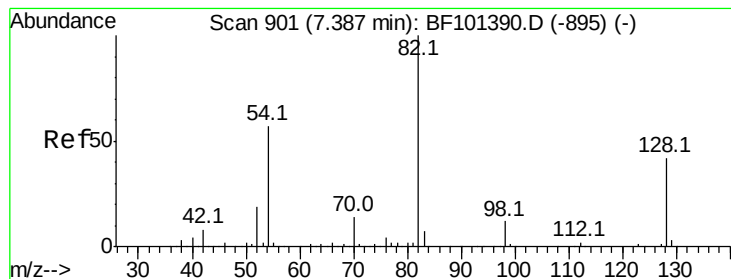
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





#23

Nitrobenzene-d5

Concen: 10.629 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.00 min

Lab File: BF101708.D

Acq: 26 Dec 2017 11:57

Instrument :

BNA_F

ClientSampleId :

WC-4539-01DL

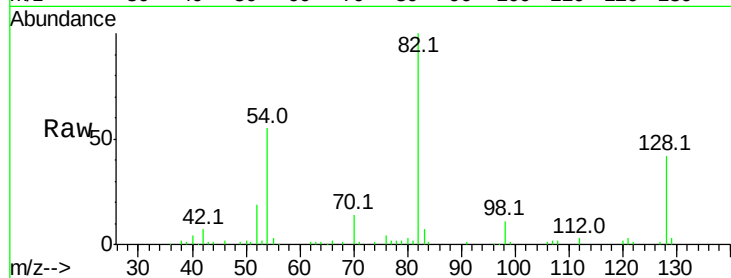
Tot Ion: 82 Resp: 107778

Ion Ratio Lower Upper

82 100

128 42.2 36.1 54.1

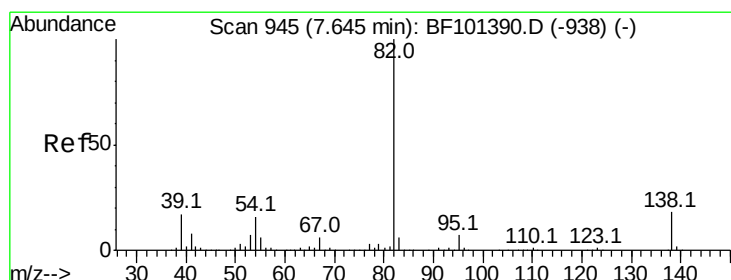
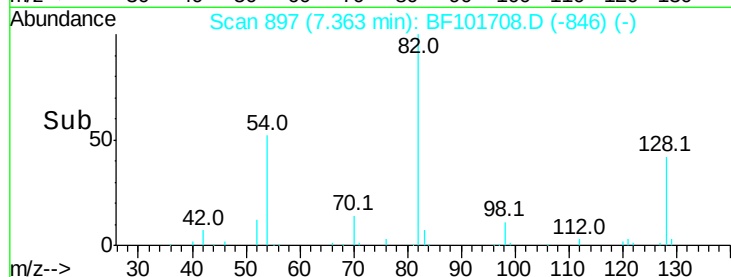
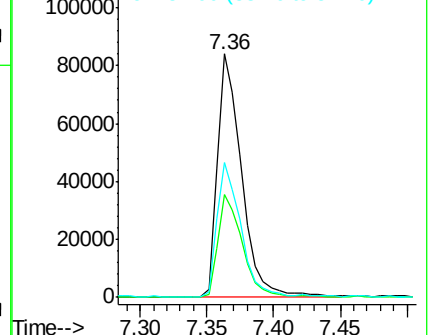
54 55.4 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 5.299 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.25 min

Lab File: BF101708.D

Acq: 26 Dec 2017 11:57

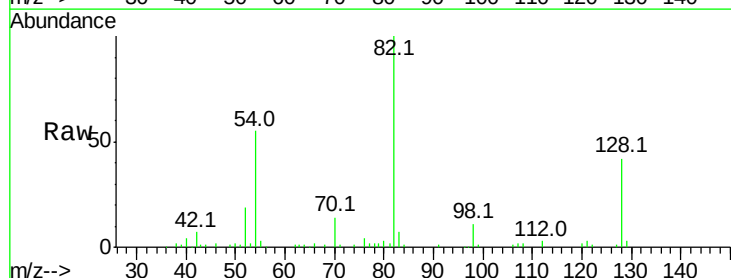
Tgt Ion: 82 Resp: 107778

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

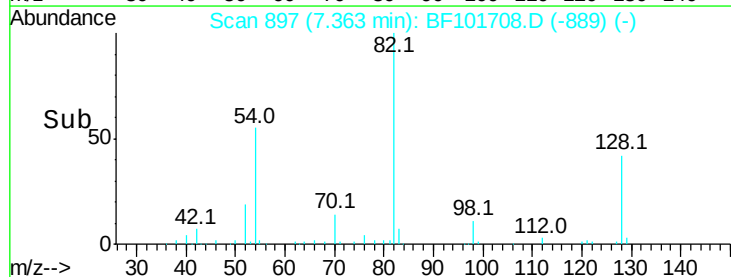
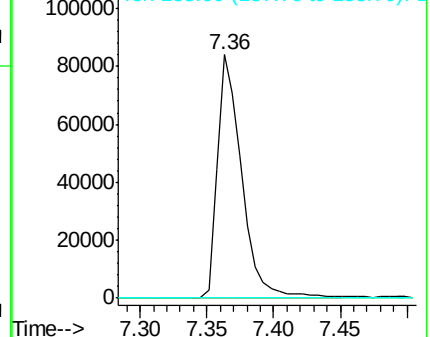
138 0.0 14.9 22.3#

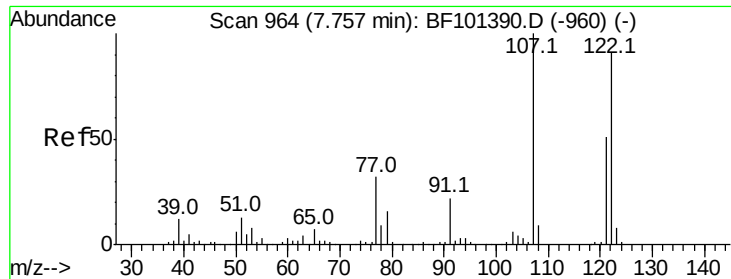


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

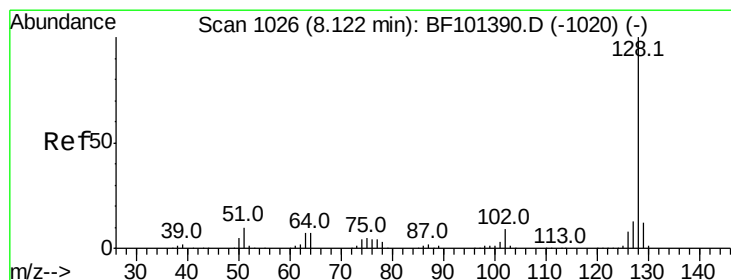
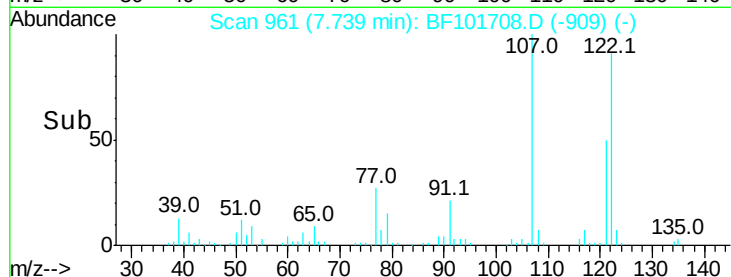
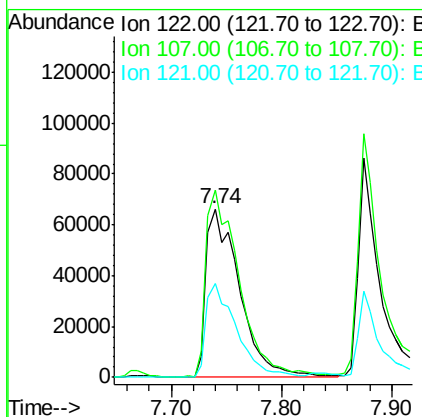
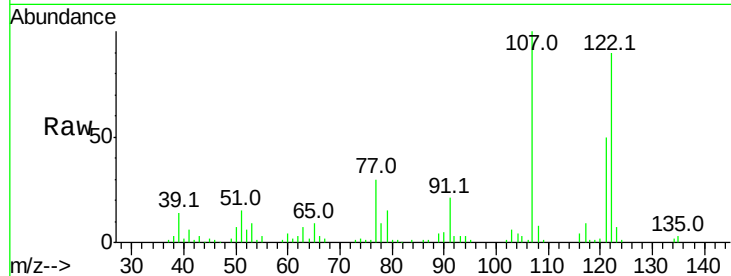




#27
2,4-Dimethylphenol
Concen: 16.946 ng
RT: 7.74 min Scan# 961
Delta R.T. 0.01 min
Lab File: BF101708.D
Acq: 26 Dec 2017 11:57

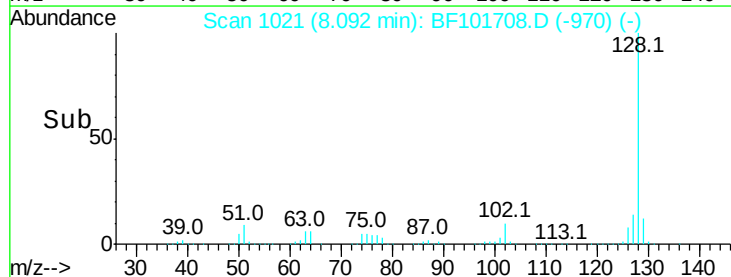
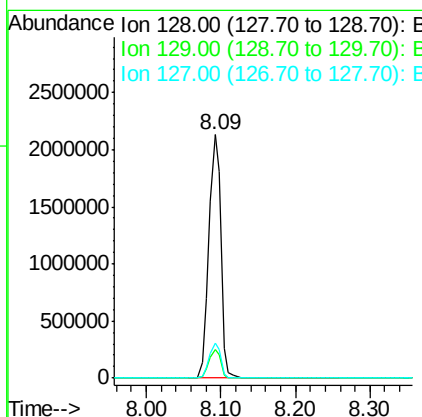
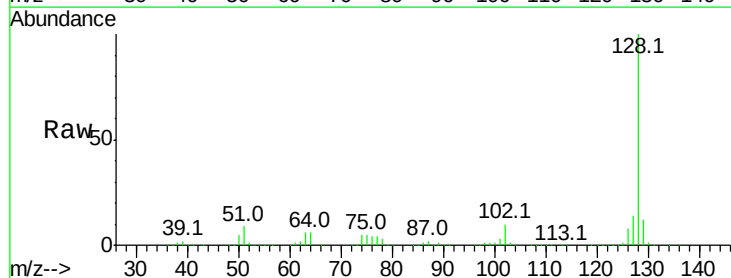
Instrument :
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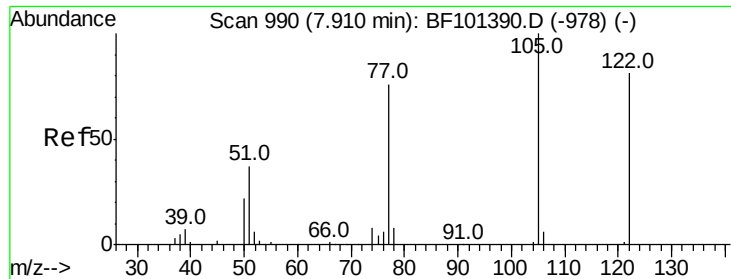
Tot Ion:122 Resp: 138796
Ion Ratio Lower Upper
122 100
107 111.1 91.2 136.8
121 55.6 47.2 70.8



#31
Naphthalene
Concen: 83.890 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF101708.D
Acq: 26 Dec 2017 11:57

Tgt Ion:128 Resp: 2383757
Ion Ratio Lower Upper
128 100
129 11.5 8.8 13.2
127 14.1 10.9 16.3

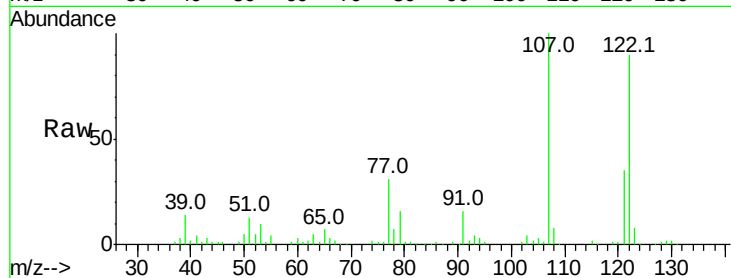




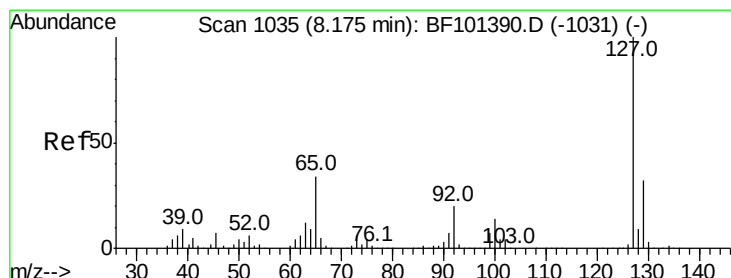
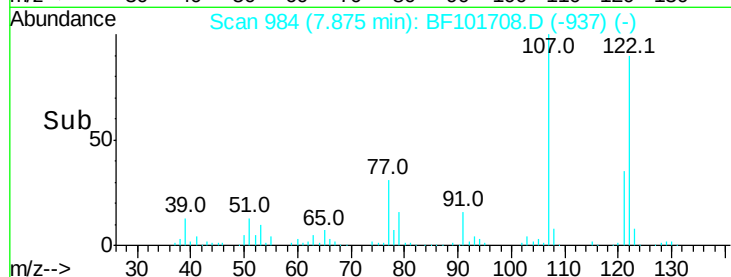
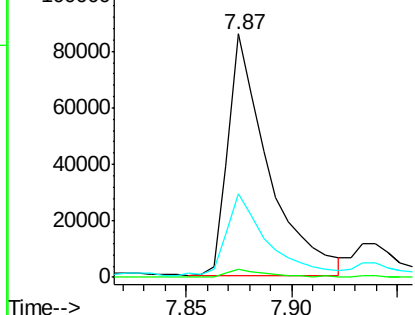
#32
Benzoic acid
Concen: 24.976 ng
RT: 7.87 min Scan# 984
Delta R.T. -0.02 min
Lab File: BF101708.D
Acq: 26 Dec 2017 11:57

Instrument :
BNA_F
ClientSampleId :
WC-4539-01DL

Tot Ion:122 Resp: 112573
Ion Ratio Lower Upper
122 100
105 3.1 101.1 141.1#
77 34.6 70.7 110.7#

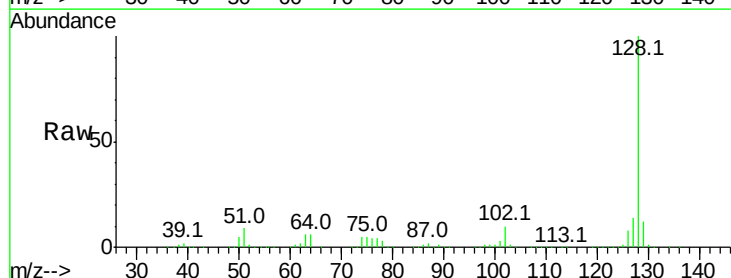


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

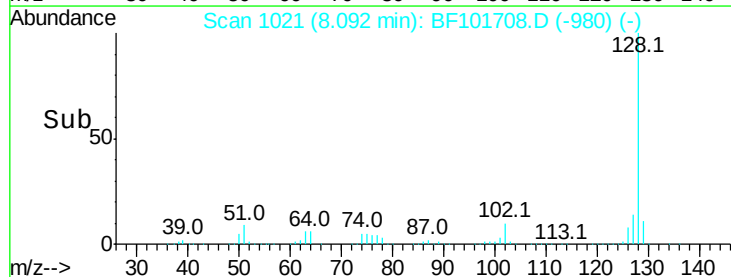
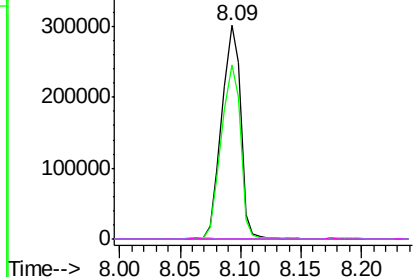


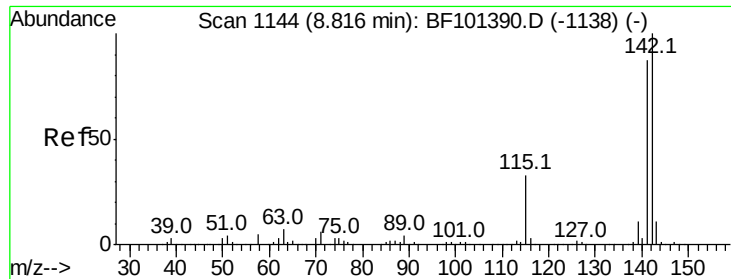
#33
4-Chloroaniline
Concen: 26.673 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.06 min
Lab File: BF101708.D
Acq: 26 Dec 2017 11:57

Tgt Ion:127 Resp: 329420
Ion Ratio Lower Upper
127 100
129 81.5 25.9 38.9#
65 0.0 25.0 37.4#
92 0.0 15.2 22.8#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

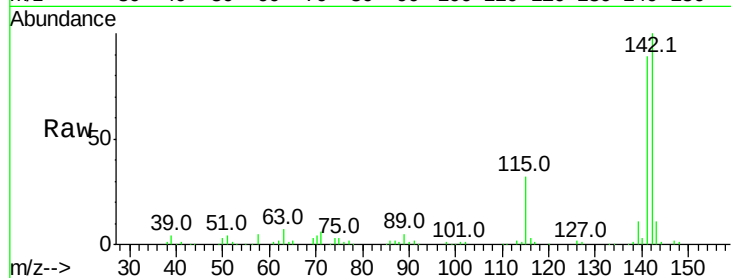




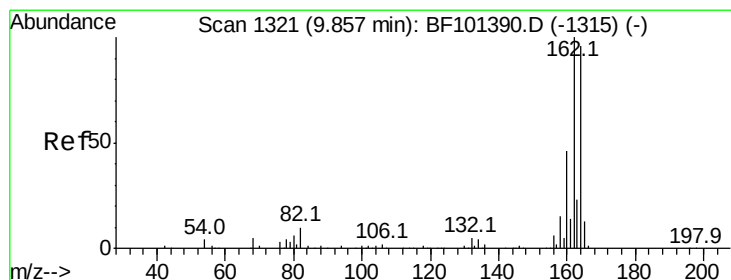
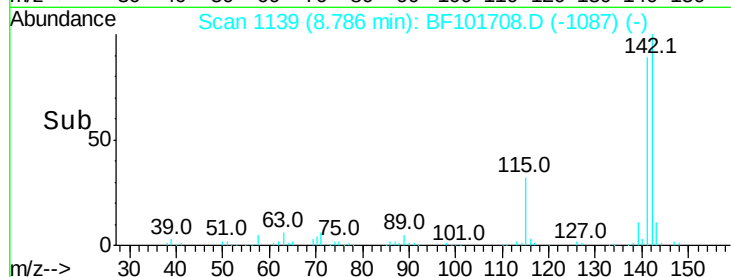
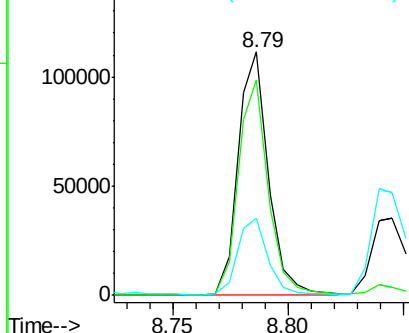
#37
2-Methylnaphthalene
Concen: 5.523 ng
RT: 8.79 min Scan# 1139
Delta R.T. 0.01 min
Lab File: BF101708.D
Acq: 26 Dec 2017 11:57

Instrument :
BNA_F
ClientSampleId :
WC-4539-01DL

Tot Ion:142 Resp: 102240
Ion Ratio Lower Upper
142 100
141 88.6 70.8 106.2
115 31.7 26.1 39.1

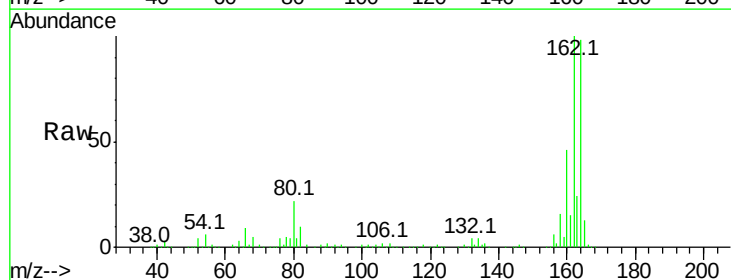


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

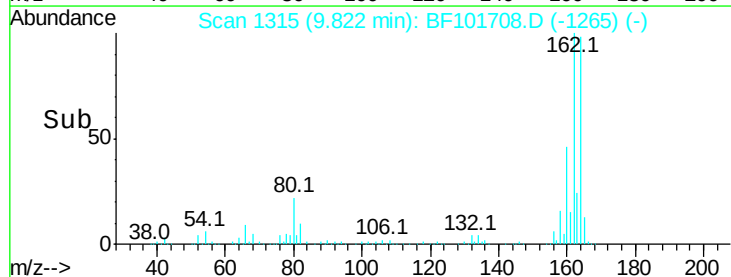
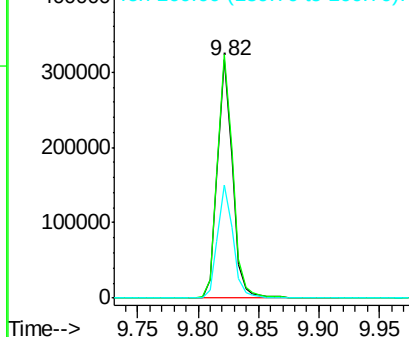


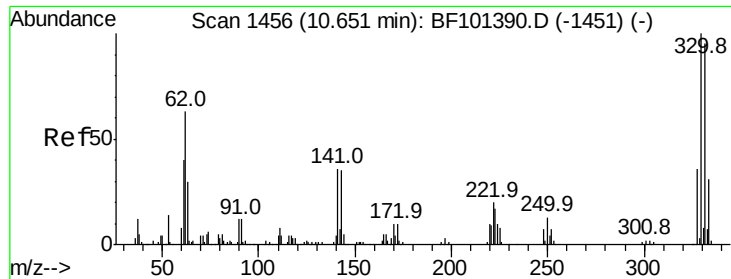
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF101708.D
Acq: 26 Dec 2017 11:57

Tgt Ion:164 Resp: 271258
Ion Ratio Lower Upper
164 100
162 102.2 86.1 129.1
160 47.3 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

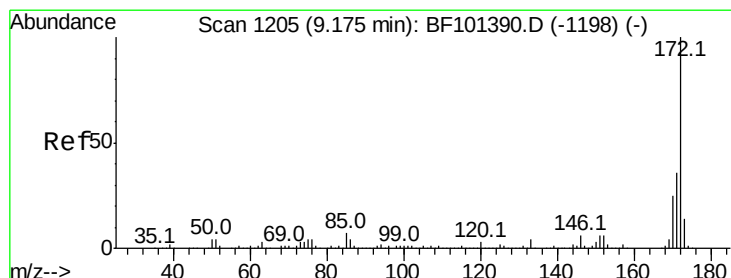
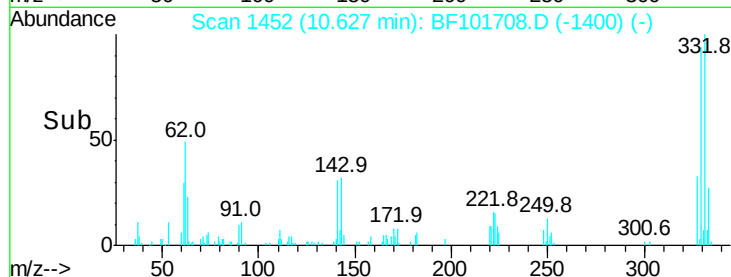
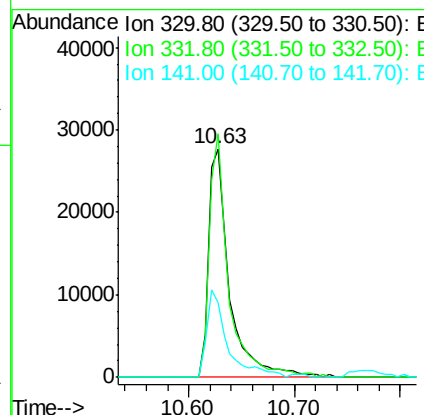
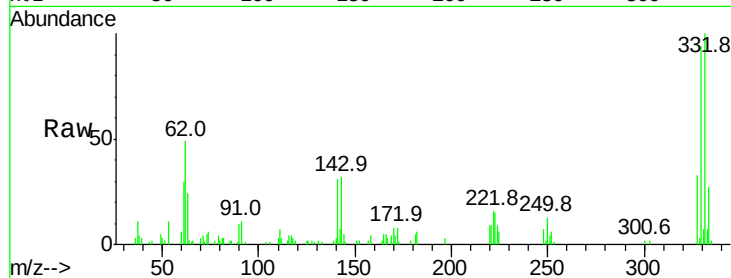




#41
 2,4,6-Tribromophenol
 Concen: 14.618 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.01 min
 Lab File: BF101708.D
 Acq: 26 Dec 2017 11:57

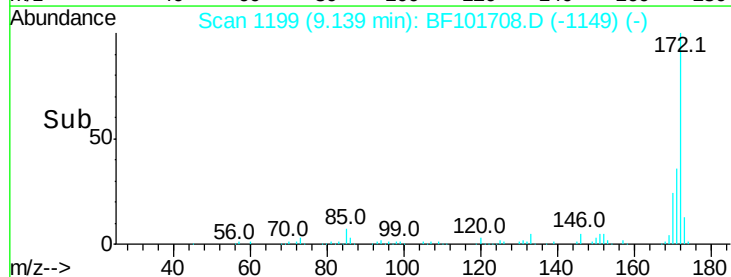
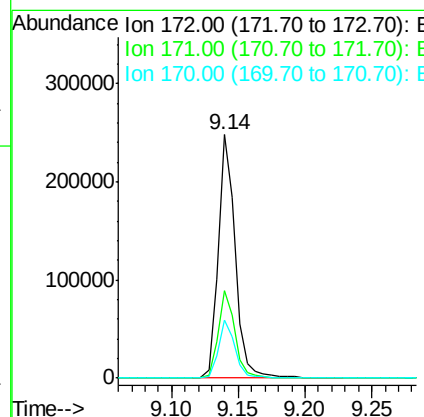
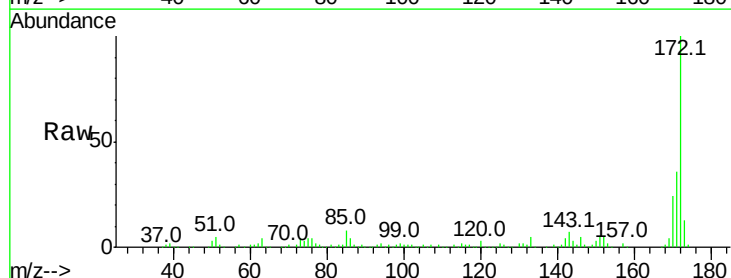
Instrument :
 BNA_F
 ClientSampleId :
 WC-4539-01DL

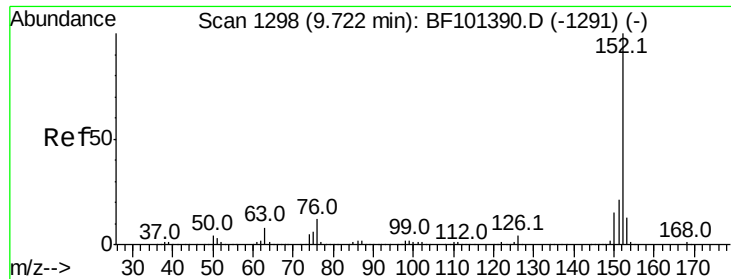
Tot Ion:330 Resp: 38209
 Ion Ratio Lower Upper
 330 100
 332 97.6 77.0 115.6
 141 37.5 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 12.860 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF101708.D
 Acq: 26 Dec 2017 11:57

Tgt Ion:172 Resp: 224868
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.7 44.5
 170 23.7 19.6 29.4

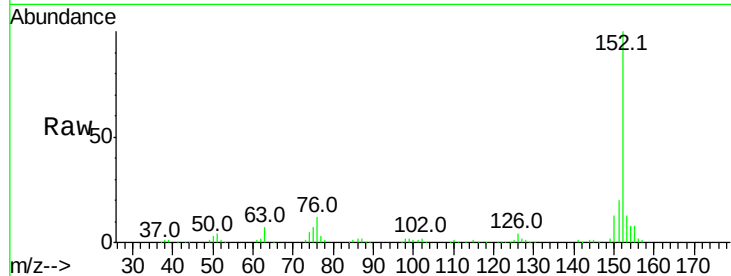




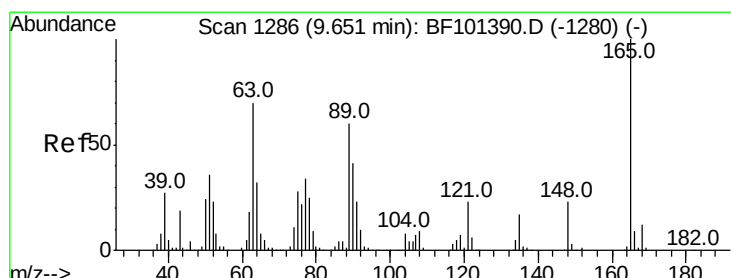
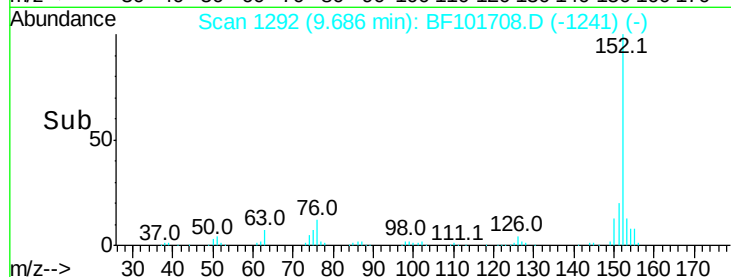
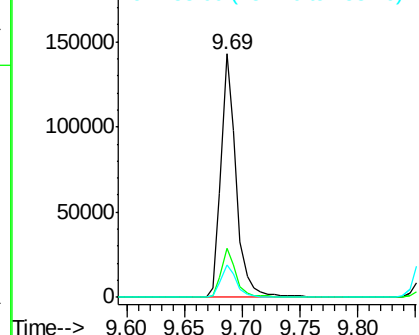
#48
Acenaphthylene
Concen: 4.507 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.00 min
Lab File: BF101708.D
Acq: 26 Dec 2017 11:57

Instrument :
BNA_F
ClientSampleId :
WC-4539-01DL

Tot Ion:	152	Resp:	131032
Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.3	24.5
153	13.5	10.7	16.1

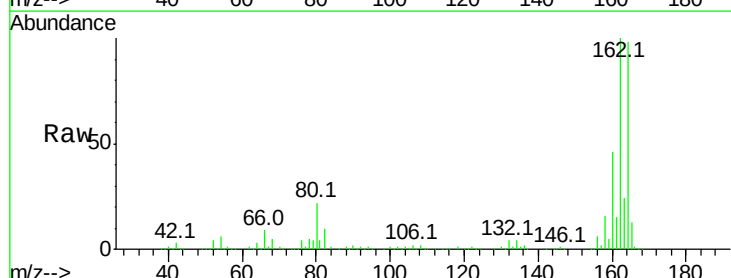


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

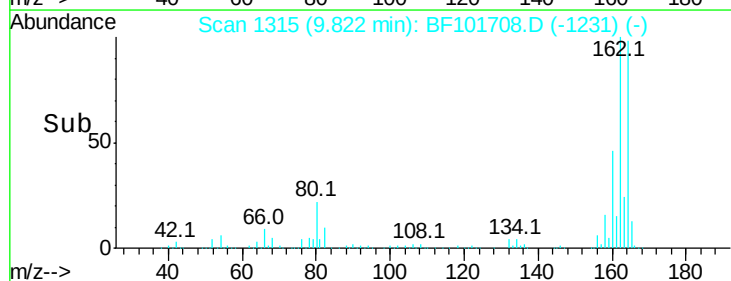
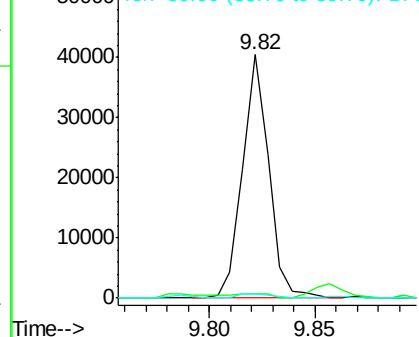


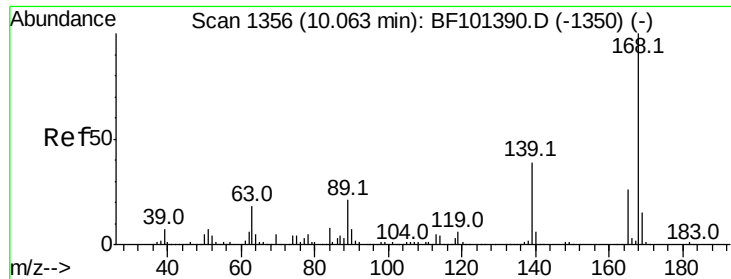
#50
2,6-Dinitrotoluene
Concen: 7.805 ng
RT: 9.82 min Scan# 1315
Delta R.T. 0.19 min
Lab File: BF101708.D
Acq: 26 Dec 2017 11:57

Tgt Ion:	165	Resp:	34610
Ion	Ratio	Lower	Upper
165	100		
63	1.7	44.7	67.1#
89	1.9	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

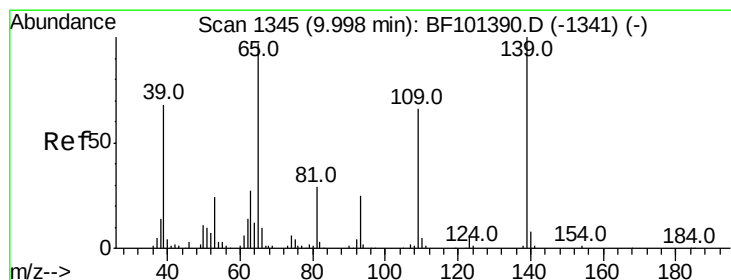
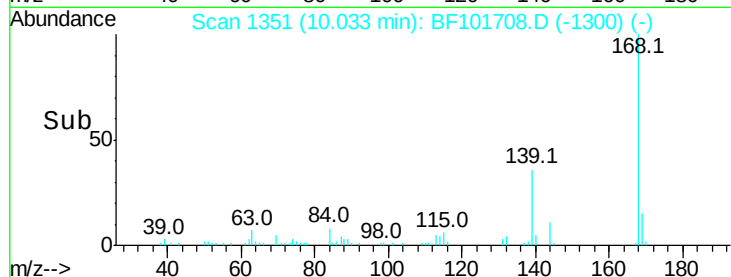
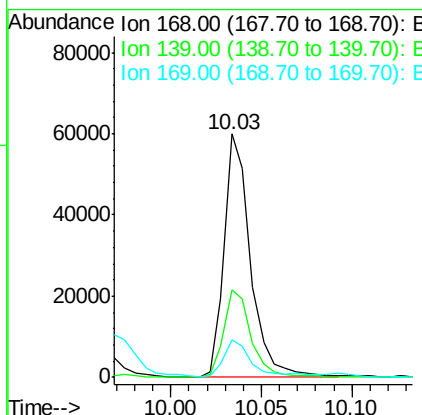
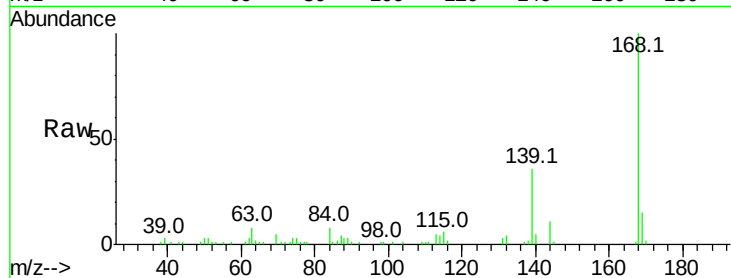




#54
 Dibenzofuran
 Concen: 2.737 ng
 RT: 10.03 min Scan# 1351
 Delta R.T. -0.00 min
 Lab File: BF101708.D
 Acq: 26 Dec 2017 11:57

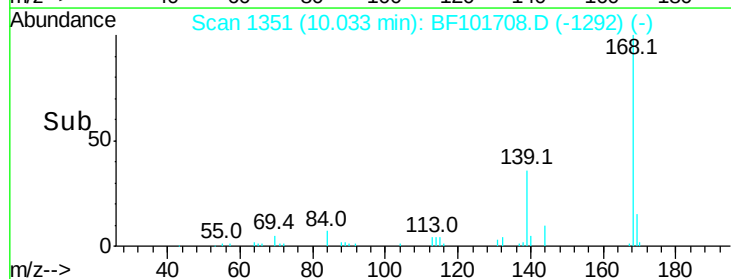
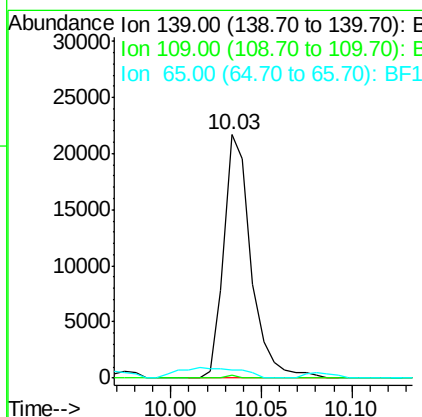
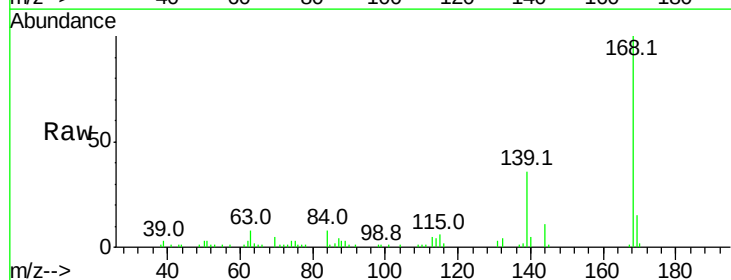
Instrument :
 BNA_F
 ClientSampleId :
 WC-4539-01DL

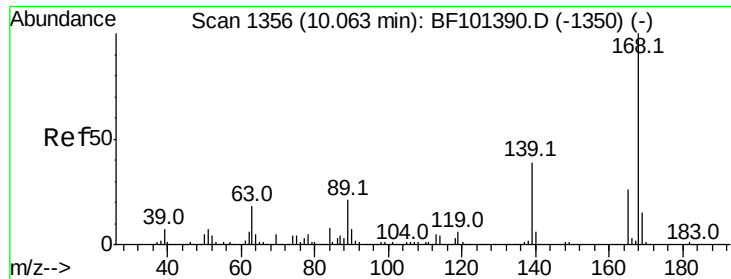
Tot Ion	Ratio	Lower	Upper
168	100		
139	36.2	30.1	45.1
169	15.3	10.9	16.3



#55
 4-Nitrophenol
 Concen: 9.430 ng
 RT: 10.03 min Scan# 1351
 Delta R.T. 0.05 min
 Lab File: BF101708.D
 Acq: 26 Dec 2017 11:57

Tgt Ion	Ratio	Lower	Upper
139	100		
109	1.4	48.4	88.4#
65	3.3	72.6	112.6#

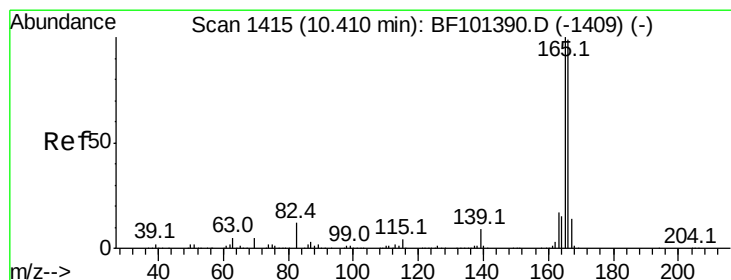
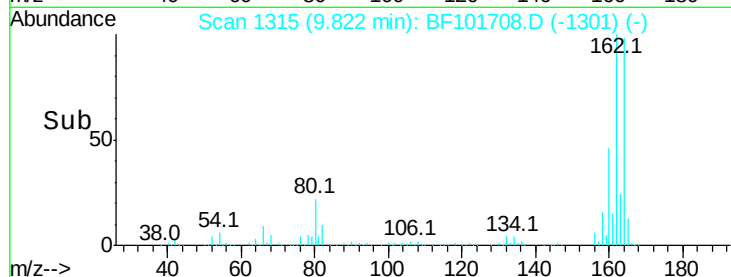
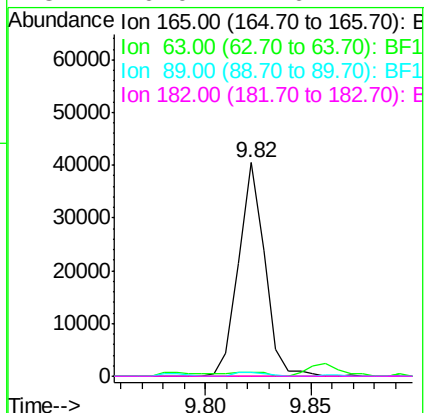
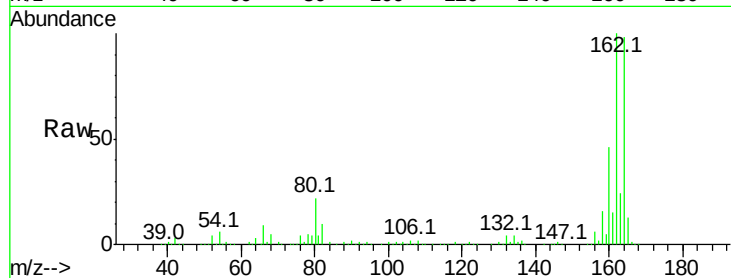




#56
2,4-Dinitrotoluene
Concen: 6.927 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.22 min
Lab File: BF101708.D
Acq: 26 Dec 2017 11:57

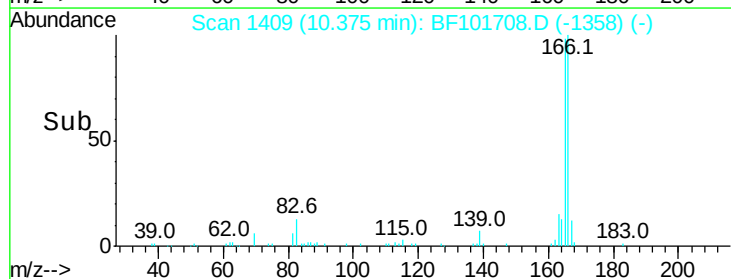
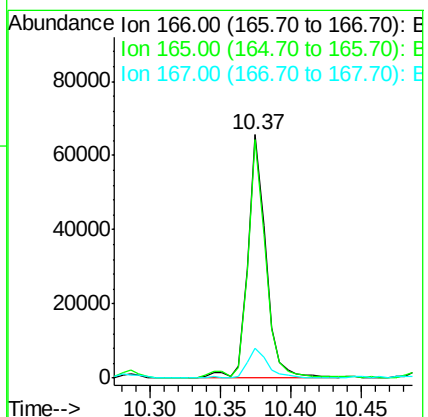
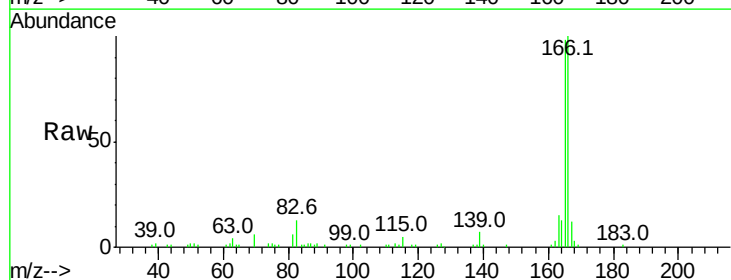
Instrument :
BNA_F
ClientSampleId :
WC-4539-01DL

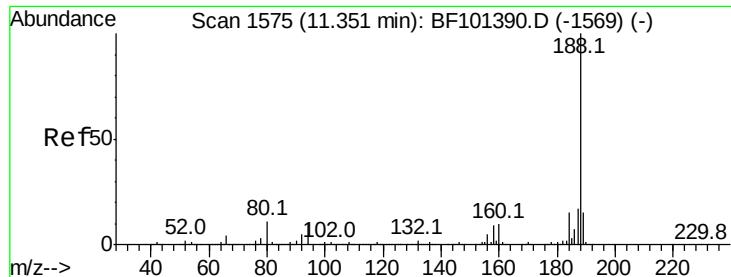
Tot Ion:165	Resp:	34610
Ion Ratio	Lower	Upper
165	100	
63	1.7	36.4 54.6#
89	1.9	57.8 86.6#
182	0.0	1.6 2.4#



#57
Fluorene
Concen: 3.135 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.00 min
Lab File: BF101708.D
Acq: 26 Dec 2017 11:57

Tgt Ion:166	Resp:	58870
Ion Ratio	Lower	Upper
166	100	
165	98.2	79.8 119.8
167	12.1	10.6 16.0

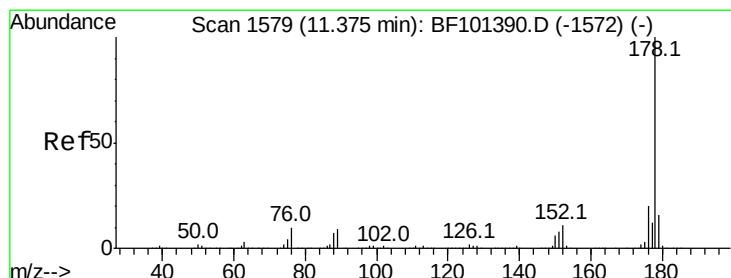
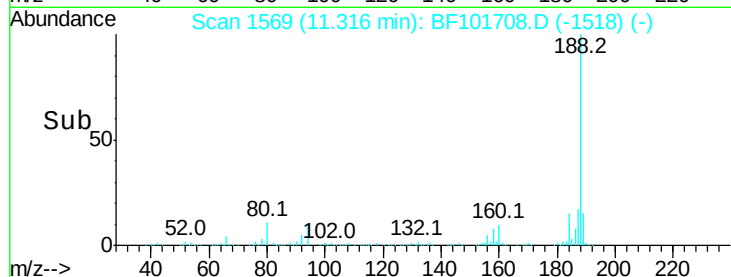
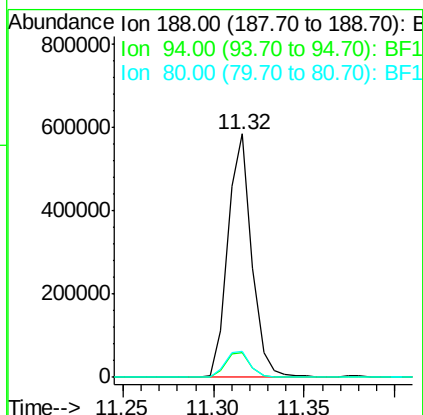
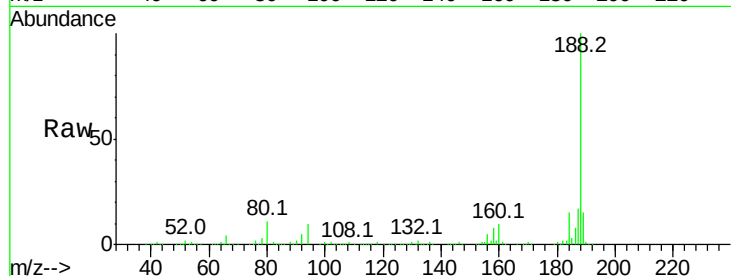




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: BF101708.D
 Acq: 26 Dec 2017 11:57

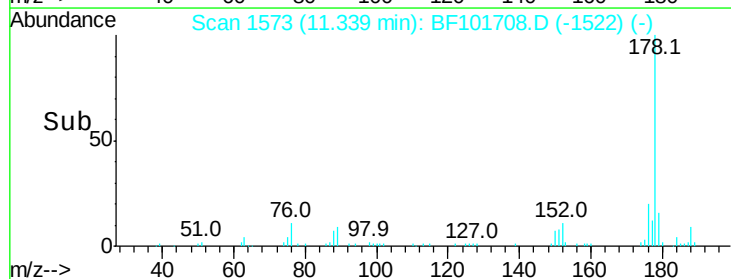
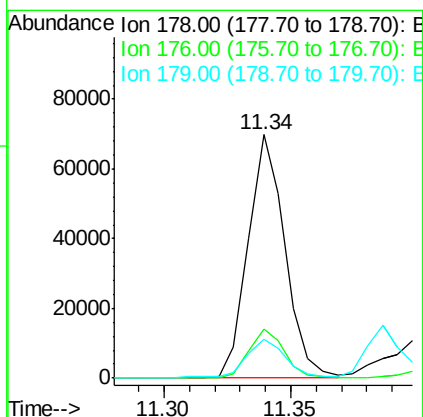
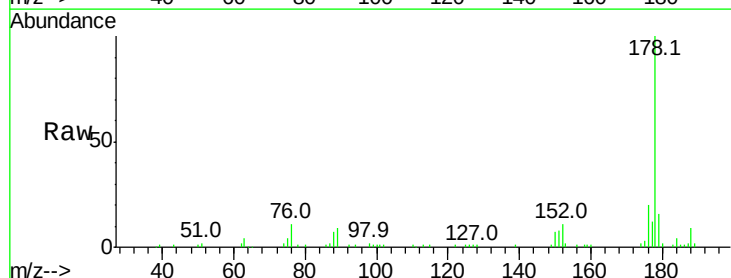
Instrument :
 BNA_F
 ClientSampleId :
 WC-4539-01DL

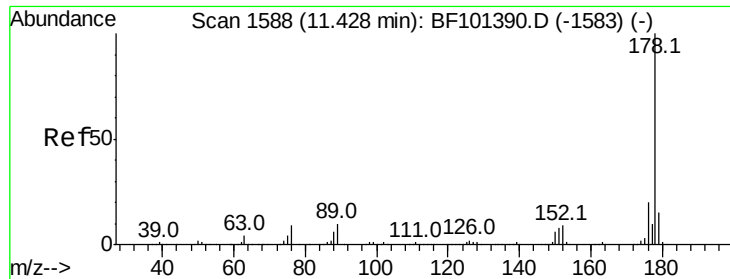
Tot Ion:188 Resp: 534903
 Ion Ratio Lower Upper
 188 100
 94 10.3 8.5 12.7
 80 10.8 9.2 13.8



#70
 Phenanthrene
 Concen: 2.381 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: BF101708.D
 Acq: 26 Dec 2017 11:57

Tgt Ion:178 Resp: 70841
 Ion Ratio Lower Upper
 178 100
 176 19.9 15.8 23.8
 179 15.9 13.0 19.6

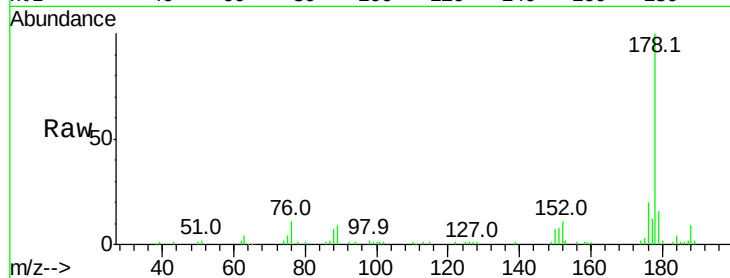




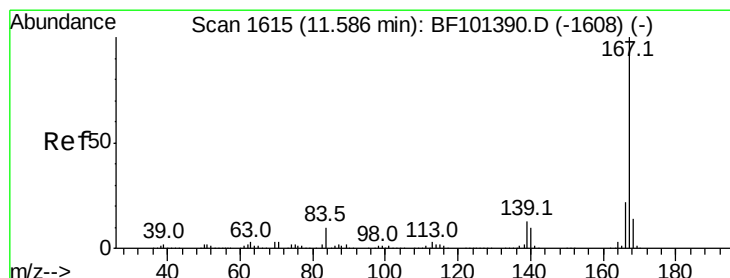
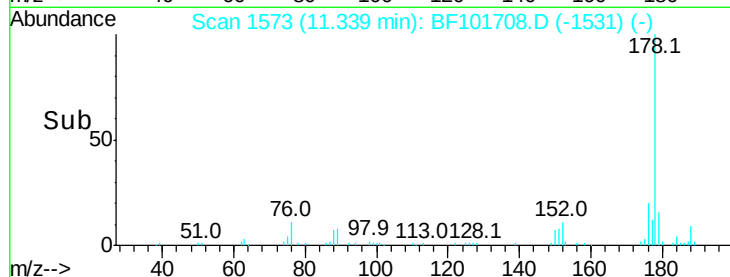
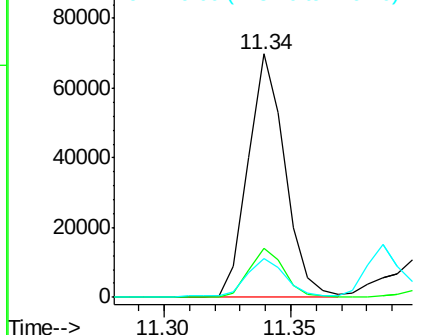
#71
 Anthracene
 Concen: 2.331 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.05 min
 Lab File: BF101708.D
 Acq: 26 Dec 2017 11:57

Instrument :
 BNA_F
 ClientSampleId :
 WC-4539-01DL

Tot Ion:178 Resp: 70841
 Ion Ratio Lower Upper
 178 100
 176 19.9 15.4 23.2
 179 15.9 12.6 19.0

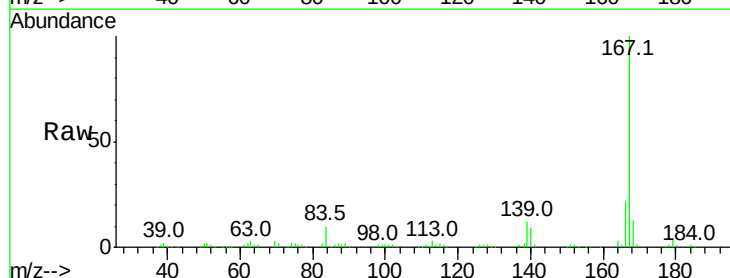


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

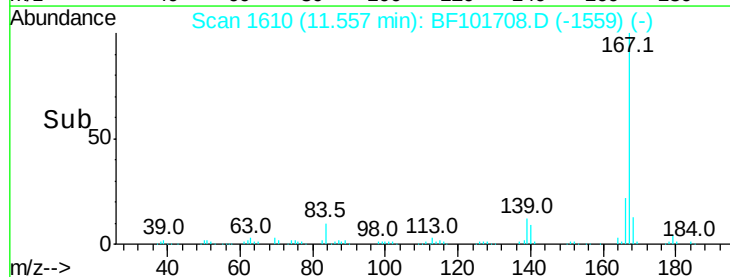
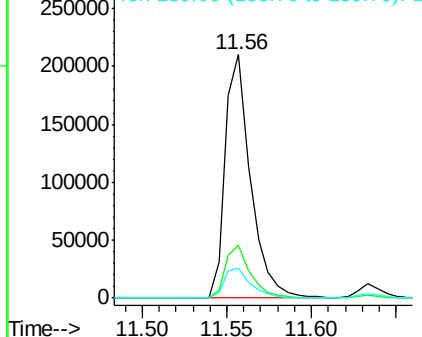


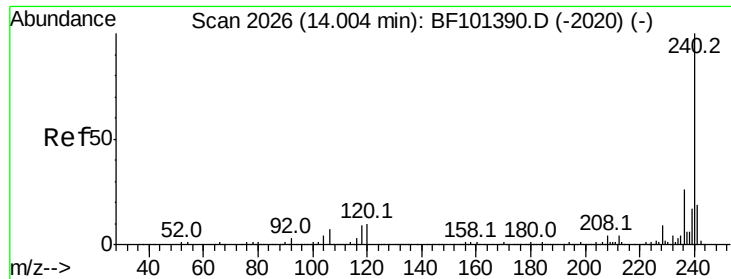
#72
 Carbazole
 Concen: 7.738 ng
 RT: 11.56 min Scan# 1610
 Delta R.T. -0.00 min
 Lab File: BF101708.D
 Acq: 26 Dec 2017 11:57

Tgt Ion:167 Resp: 220132
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.6 26.4
 139 12.1 10.9 16.3



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

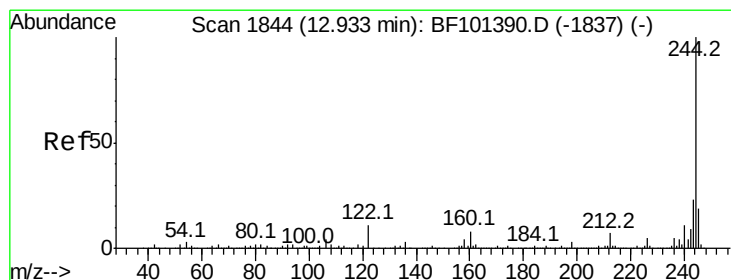
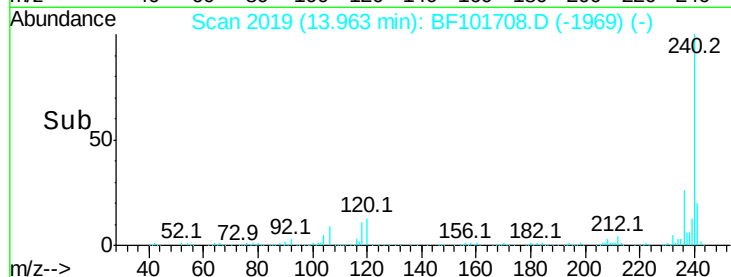
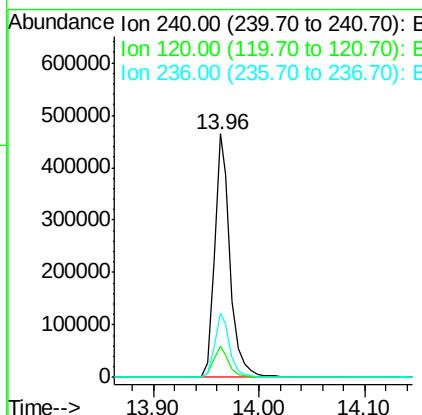
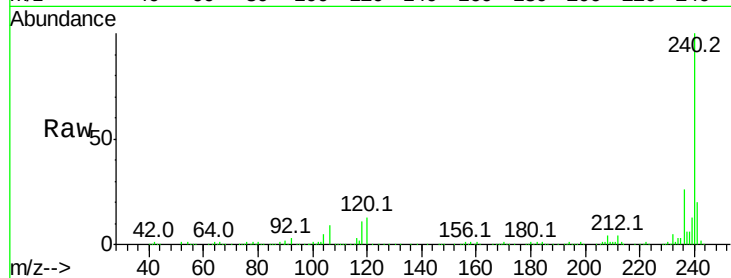




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF101708.D
 Acq: 26 Dec 2017 11:57

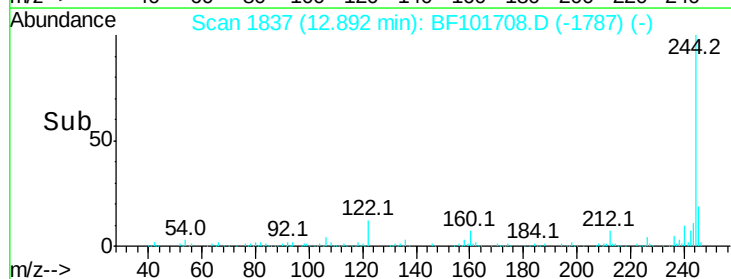
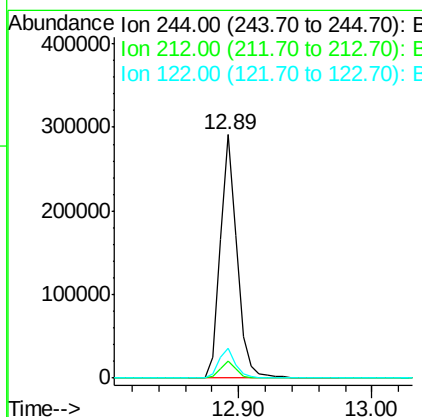
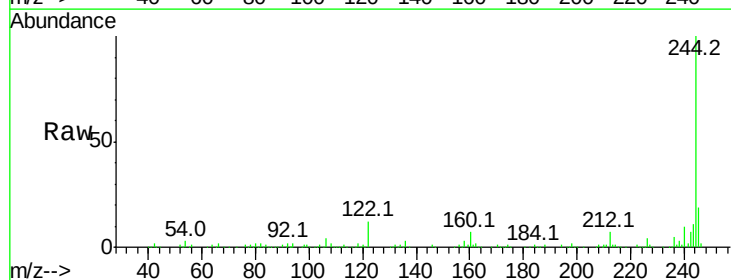
Instrument :
 BNA_F
 ClientSampleId :
 WC-4539-01DL

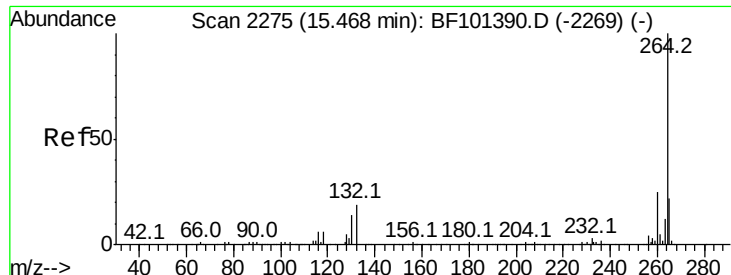
Tot Ion:240 Resp: 480855
 Ion Ratio Lower Upper
 240 100
 120 12.8 9.5 14.3
 236 26.3 20.7 31.1



#78
 Terphenyl-d14
 Concen: 12.941 ng
 RT: 12.89 min Scan# 1837
 Delta R.T. -0.01 min
 Lab File: BF101708.D
 Acq: 26 Dec 2017 11:57

Tgt Ion:244 Resp: 258117
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 12.3 11.0 16.4





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: BF101708.D
 Acq: 26 Dec 2017 11:57

Instrument :
 BNA_F
 ClientSampleId :
 WC-4539-01DL

Tot Ion:264 Resp: 411969
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.2 28.8
 265 21.3 17.5 26.3

