

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111318\
 Data File : BF110742.D
 Acq On : 14 Nov 2018 1:51
 Operator : JU/SJ
 Sample : J5925-17 20X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5-GW

Quant Time: Nov 14 04:32:31 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 12:43:10 2018
 Response via : Initial Calibration

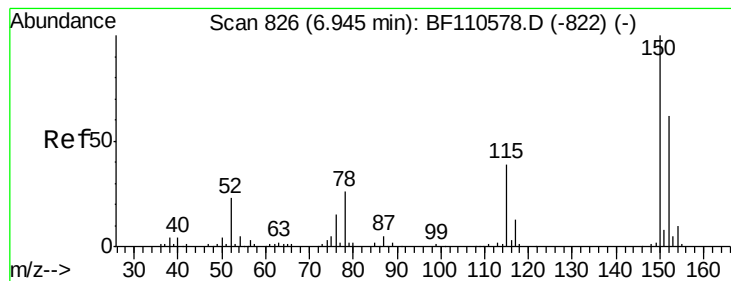
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	71496	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	261187	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	101096	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	168768	20.00	ng	0.00
76) Chrysene-d12	14.13	240	156631	20.00	ng	0.00
87) Perylene-d12	15.66	264	101239	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	8884	2.02	ng	0.01
7) Phenol-d6	6.58	99	7422	1.32	ng	0.00
23) Nitrobenzene-d5	7.51	82	13367	2.95	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	3752	3.68	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	29613	4.18	ng	0.00
79) Terphenyl-d14	13.06	244	24257	2.90	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.47	77	1646	Below Cal		# 48
18) Hexachloroethane	7.47	117	28626	13.525	ng	# 1
25) Isophorone	7.75	82	22789	3.066	ng	# 1
31) Naphthalene	8.25	128	43780	3.571	ng	# 86
35) Caprolactam	8.67	113	4065	3.349	ng	# 1
37) 2-Methylnaphthalene	8.95	142	477380	59.391	ng	99
38) 1-Methylnaphthalene	8.95	142	477380	61.756	ng	97
52) Acenaphthene	10.02	154	21565	3.487	ng	# 55
54) 2,4-Dinitrophenol	10.01	184	230	5.029	ng	# 1
55) Dibenzofuran	10.20	168	28716	3.174	ng	# 69
56) 4-Nitrophenol	10.09	139	19632	15.392	ng	# 57
57) 2,4-Dinitrotoluene	10.19	165	10321	4.784	ng	# 65
58) Fluorene	10.54	166	47779	6.876	ng	# 82
66) n-Nitrosodiphenylamine	10.65	169	62002	10.899	ng	# 44
71) Phenanthrene	11.51	178	125833	13.917	ng	96
72) Anthracene	11.51	178	125600	13.771	ng	96

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

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Operator  : JU/SJ  
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Misc      :  
ALS Vial  : 25    Sample Multiplier: 1
```

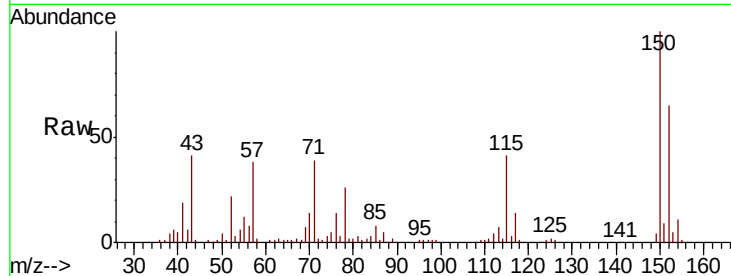


#1

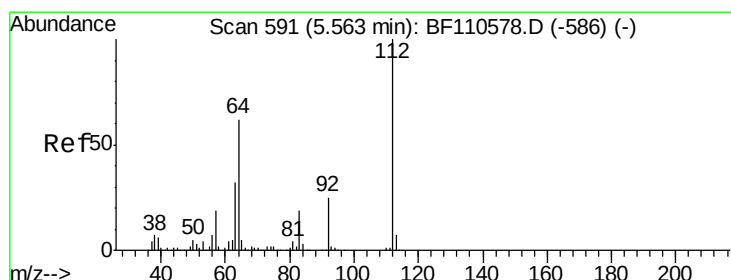
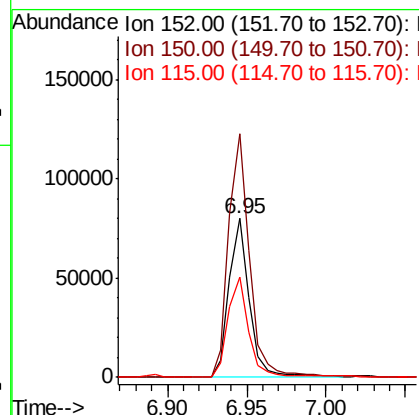
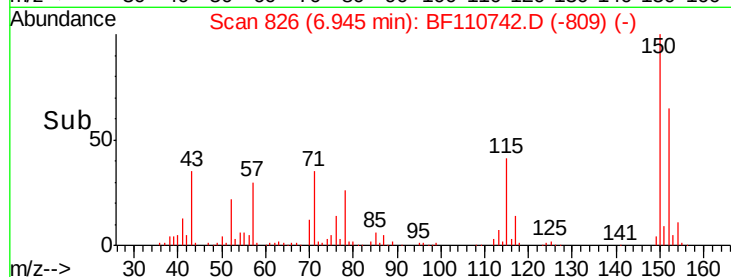
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF110742.D
Acq: 14 Nov 2018 1:51

Instrument :
BNA_F
ClientSampleId :
TP-5-GW

Tgt Ion:152 Resp: 71496
Ion Ratio Lower Upper
152 100
150 153.3 122.7 184.1
115 63.3 49.1 73.7



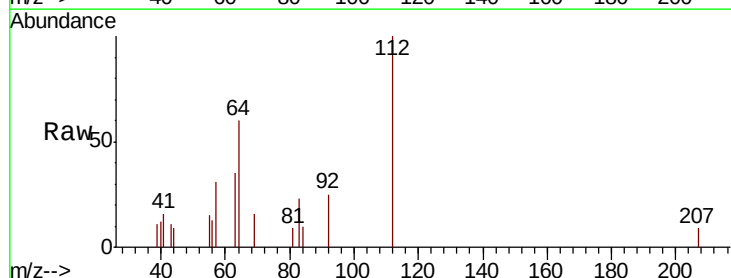
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



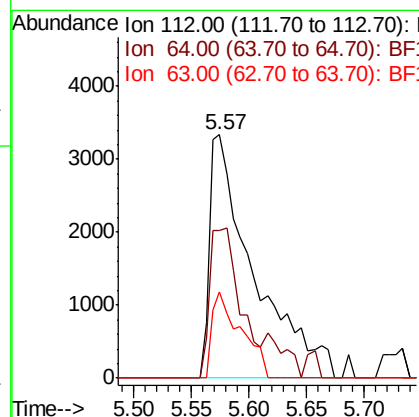
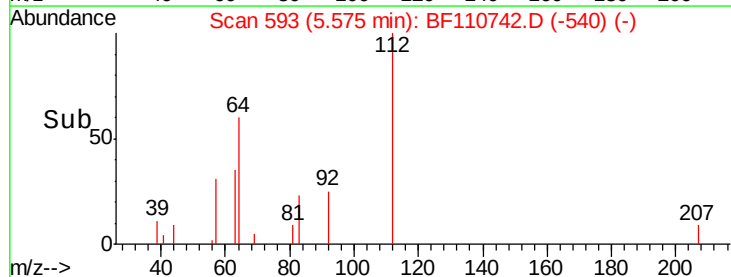
#5

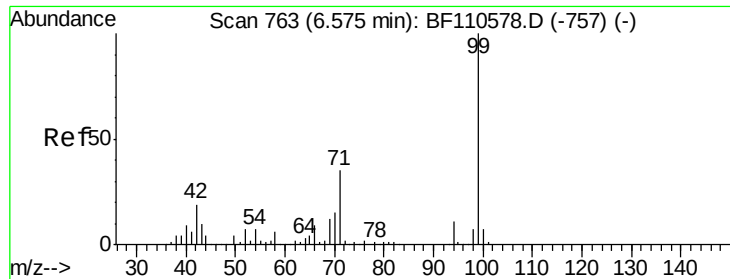
2-Fluorophenol
Concen: 2.018 ng
RT: 5.57 min Scan# 593
Delta R.T. 0.01 min
Lab File: BF110742.D
Acq: 14 Nov 2018 1:51

Tgt Ion:112 Resp: 8884
Ion Ratio Lower Upper
112 100
64 60.4 44.1 66.1
63 35.2 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 1.319 ng

RT: 6.58 min Scan# 764

Delta R.T. 0.01 min

Lab File: BF110742.D

Acq: 14 Nov 2018 1:51

Instrument :

BNA_F

ClientSampleId :

TP-5-GW

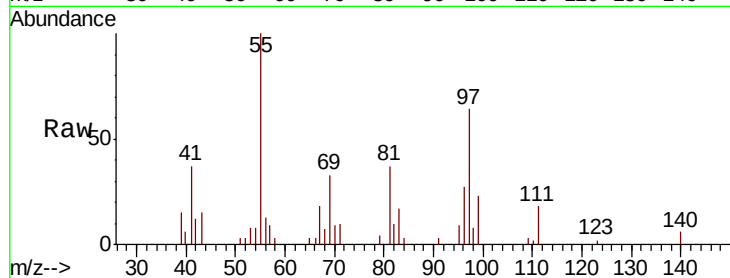
Tgt Ion: 99 Resp: 7422

Ion Ratio Lower Upper

99 100

42 50.6 15.8 23.6#

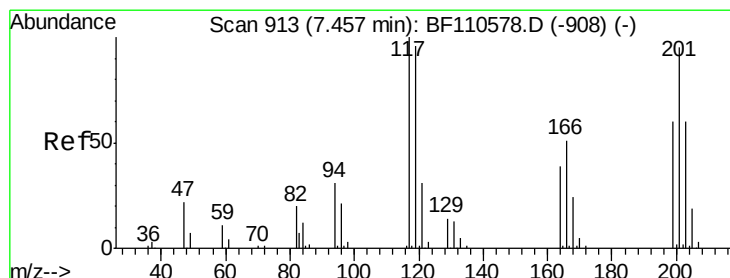
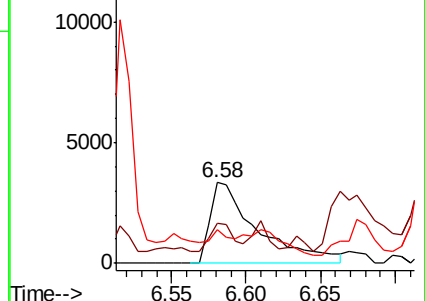
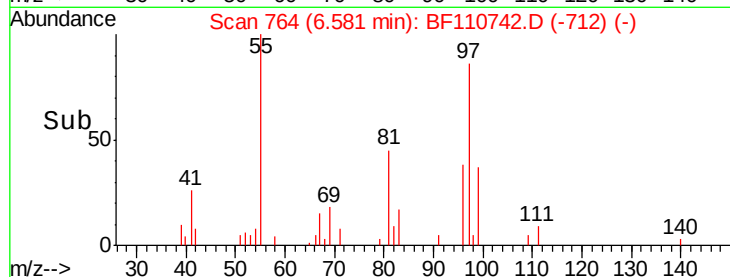
71 41.2 28.0 42.0



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



#18

Hexachloroethane

Concen: 13.525 ng

RT: 7.47 min Scan# 915

Delta R.T. 0.01 min

Lab File: BF110742.D

Acq: 14 Nov 2018 1:51

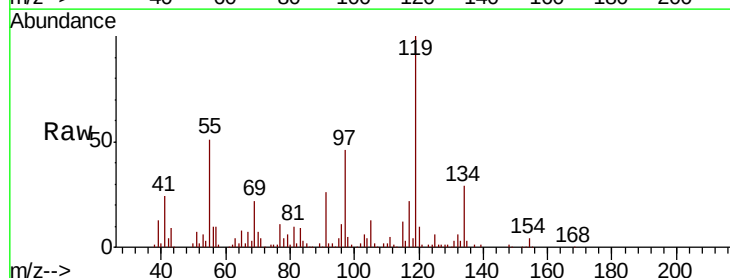
Tgt Ion: 117 Resp: 28626

Ion Ratio Lower Upper

117 100

119 463.0 75.0 112.6#

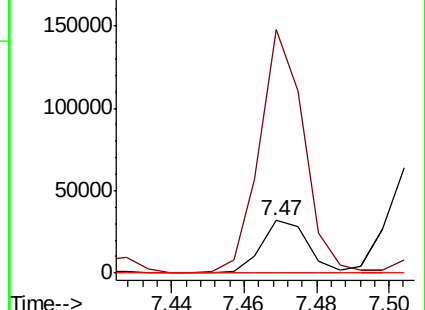
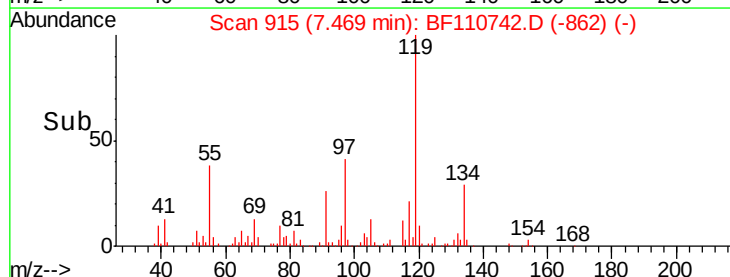
201 0.0 79.2 118.8#

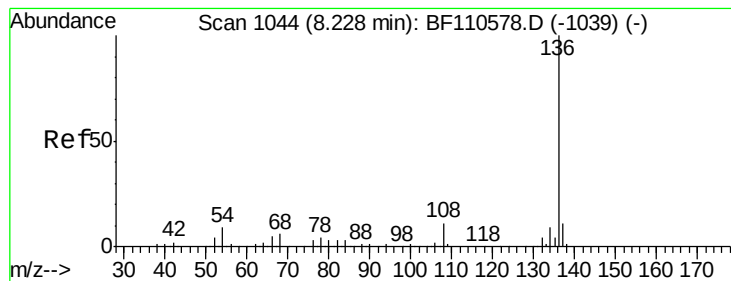


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.23 min Scan# 1044

Delta R.T. 0.00 min

Lab File: BF110742.D

Acq: 14 Nov 2018 1:51

Instrument :

BNA_F

ClientSampleId :

TP-5-GW

Tgt Ion: 136 Resp: 261187

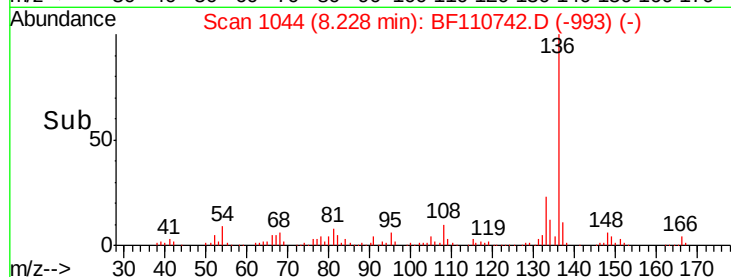
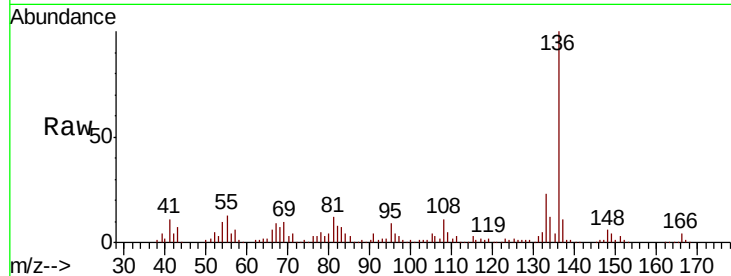
Ion Ratio Lower Upper

136 100

137 11.5 8.8 13.2

54 9.7 5.4 8.2#

68 7.0 4.2 6.2#

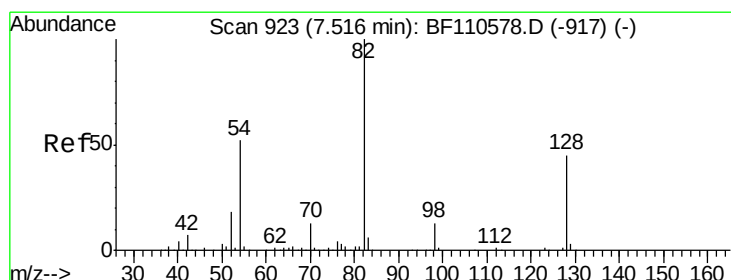
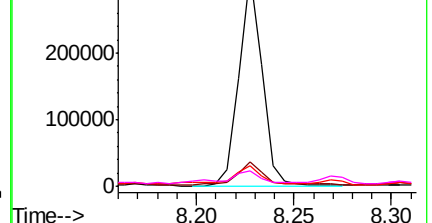


Abundance Ion 136.00 (135.70 to 136.70): E

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: 2.947 ng

RT: 7.51 min Scan# 922

Delta R.T. -0.01 min

Lab File: BF110742.D

Acq: 14 Nov 2018 1:51

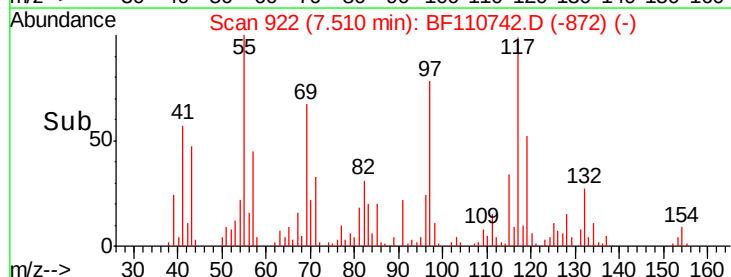
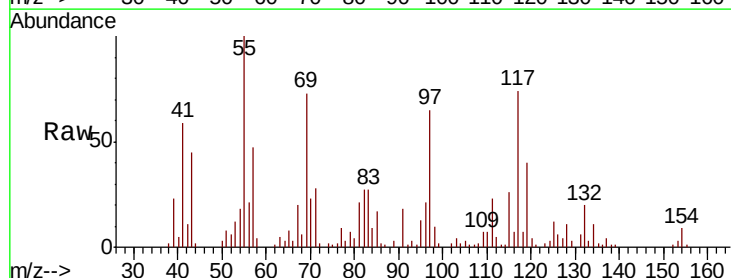
Tgt Ion: 82 Resp: 13367

Ion Ratio Lower Upper

82 100

128 41.4 34.2 51.2

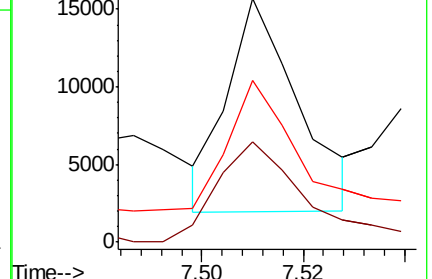
54 66.4 38.6 58.0#

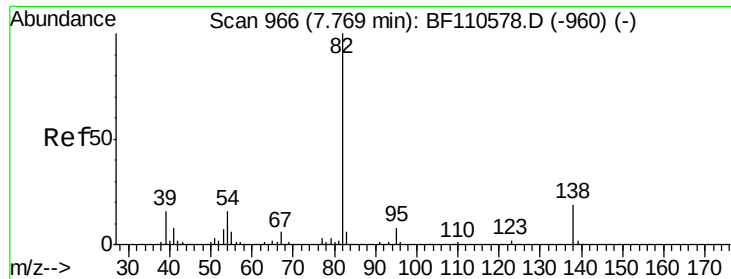


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 3.066 ng

RT: 7.75 min Scan# 962

Delta R.T. -0.02 min

Lab File: BF110742.D

Acq: 14 Nov 2018 1:51

Instrument :

BNA_F

ClientSampleId :

TP-5-GW

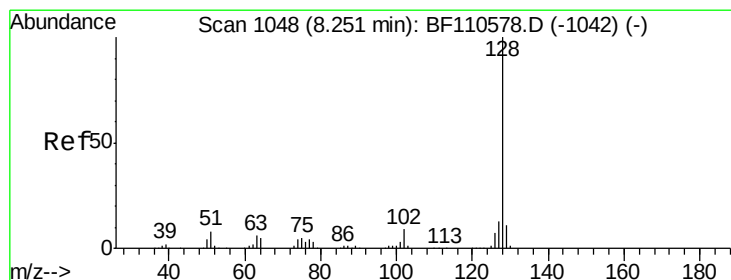
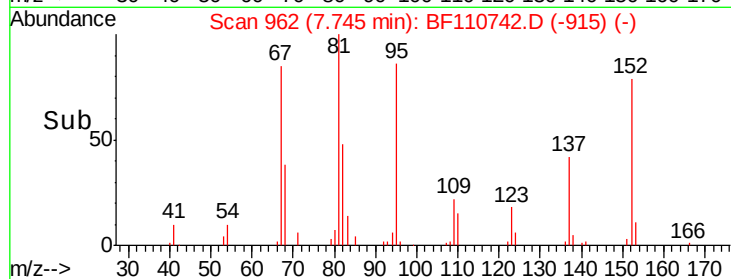
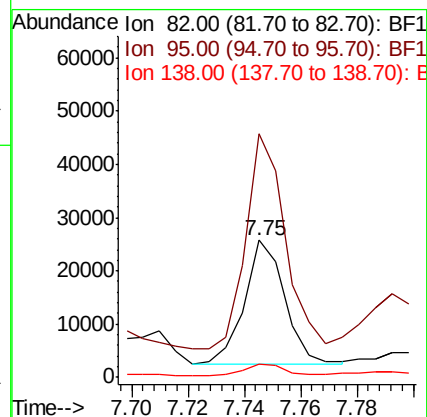
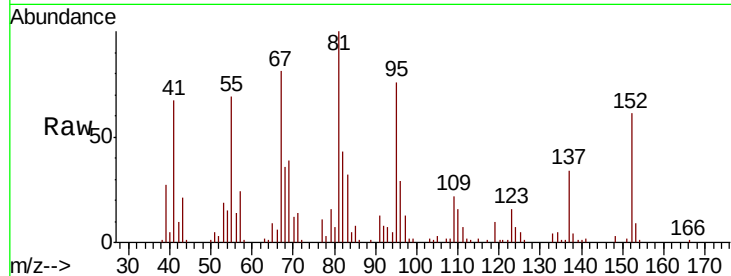
Tgt Ion: 82 Resp: 22789

Ion Ratio Lower Upper

82 100

95 177.8 5.7 8.5#

138 9.7 13.2 19.8#



#31

Naphthalene

Concen: 3.571 ng

RT: 8.25 min Scan# 1048

Delta R.T. 0.00 min

Lab File: BF110742.D

Acq: 14 Nov 2018 1:51

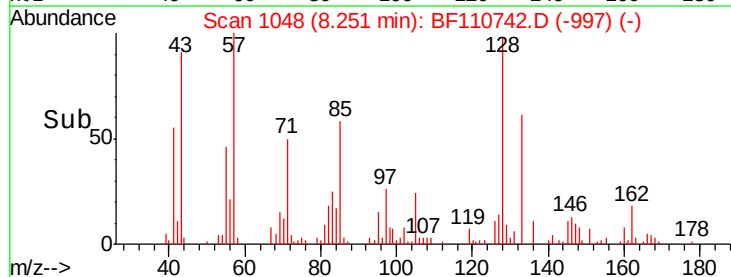
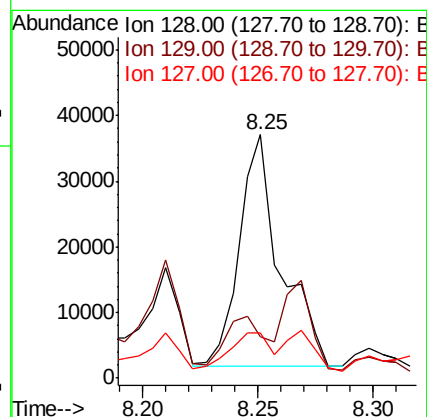
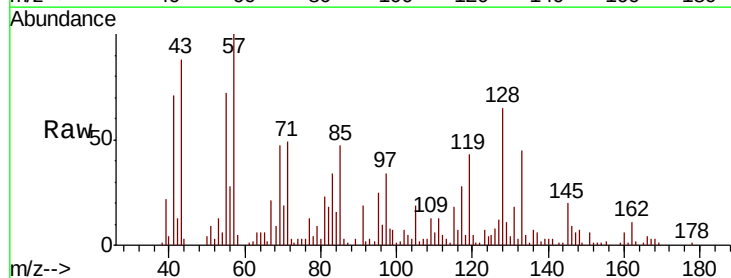
Tgt Ion: 128 Resp: 43780

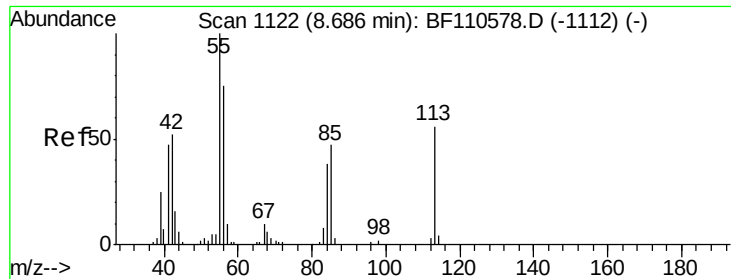
Ion Ratio Lower Upper

128 100

129 16.9 8.8 13.2#

127 18.8 10.8 16.2#

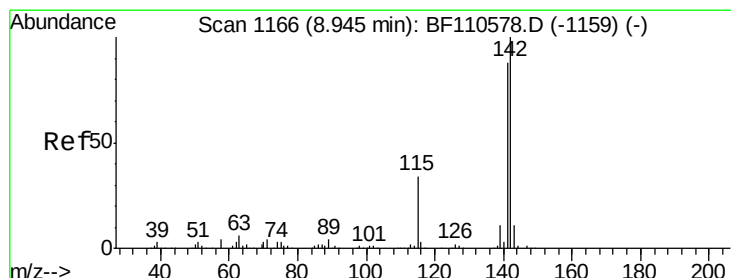
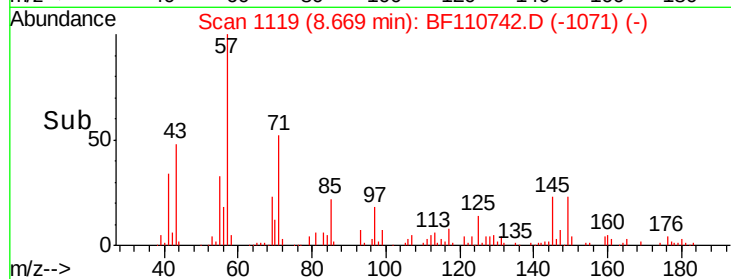
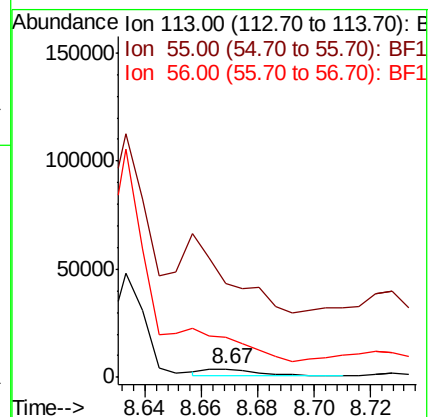
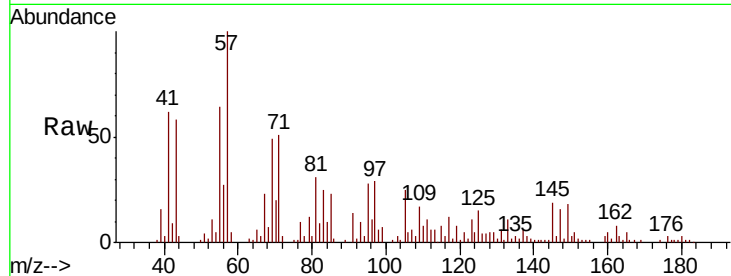




#35
 Caprolactam
 Concen: 3.349 ng
 RT: 8.67 min Scan# 1119
 Delta R.T. -0.02 min
 Lab File: BF110742.D
 Acq: 14 Nov 2018 1:51

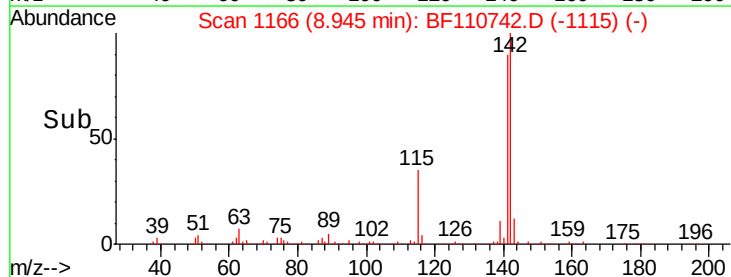
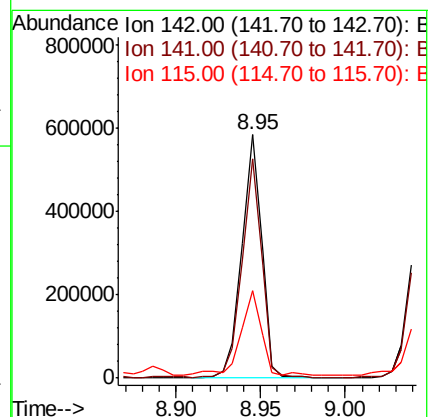
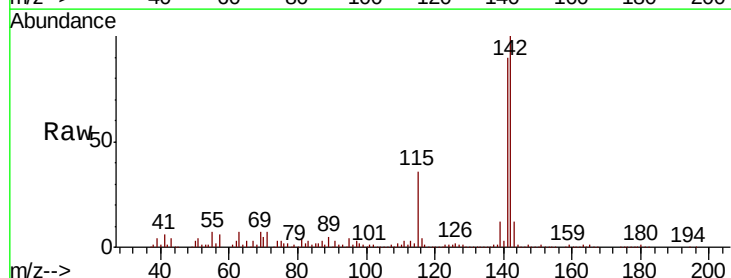
Instrument :
 BNA_F
 ClientSampleId :
 TP-5-GW

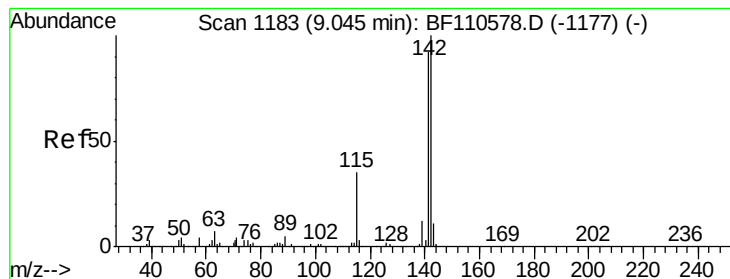
Tgt Ion:113 Resp: 4065
 Ion Ratio Lower Upper
 113 100
 55 1121.7 142.8 182.8#
 56 472.7 105.0 145.0#



#37
 2-Methylnaphthalene
 Concen: 59.391 ng
 RT: 8.95 min Scan# 1166
 Delta R.T. 0.00 min
 Lab File: BF110742.D
 Acq: 14 Nov 2018 1:51

Tgt Ion:142 Resp: 477380
 Ion Ratio Lower Upper
 142 100
 141 89.9 71.4 107.2
 115 36.0 28.7 43.1





#38

1-Methylnaphthalene

Concen: 61.756 ng

RT: 8.95 min Scan# 1166

Delta R.T. -0.10 min

Lab File: BF110742.D

Acq: 14 Nov 2018 1:51

Instrument :

BNA_F

ClientSampleId :

TP-5-GW

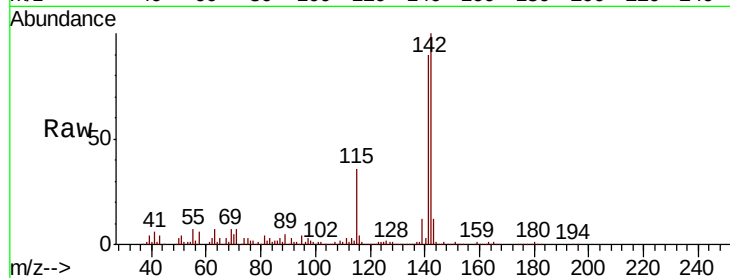
Tgt Ion:142 Resp: 477380

Ion Ratio Lower Upper

142 100

141 89.9 74.2 111.4

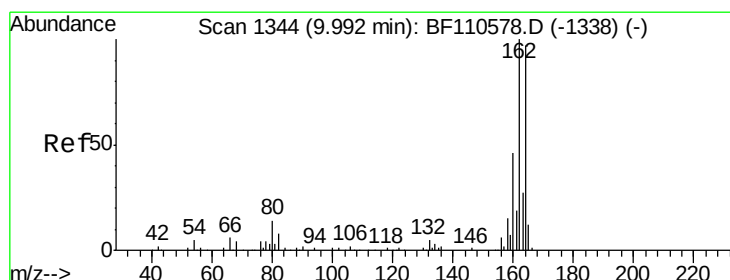
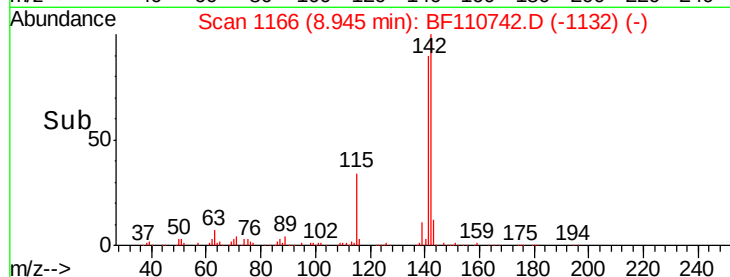
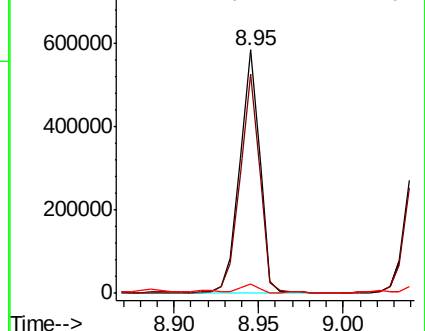
116 3.8 2.6 4.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.99 min Scan# 1344

Delta R.T. 0.00 min

Lab File: BF110742.D

Acq: 14 Nov 2018 1:51

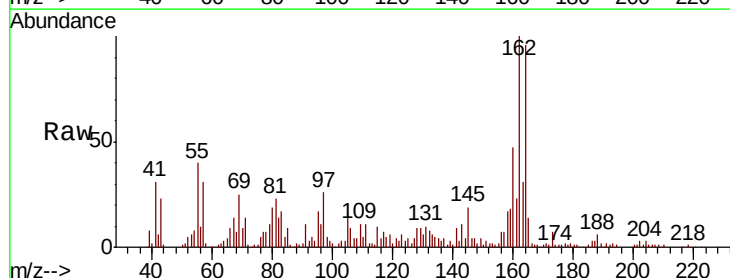
Tgt Ion:164 Resp: 101096

Ion Ratio Lower Upper

164 100

162 103.8 83.0 124.6

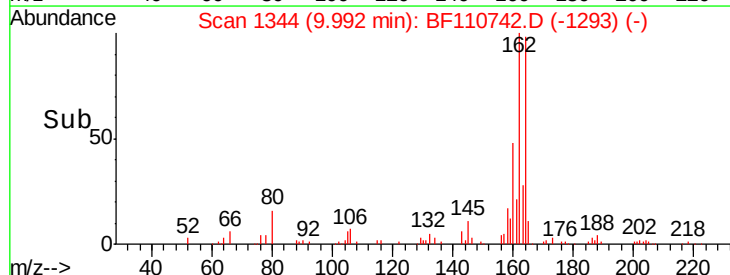
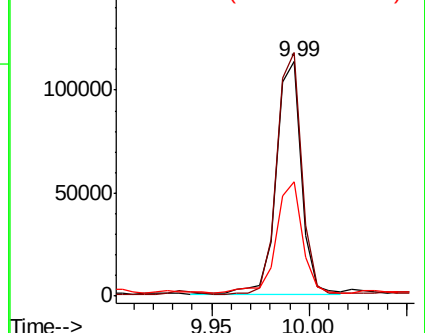
160 49.0 37.0 55.6

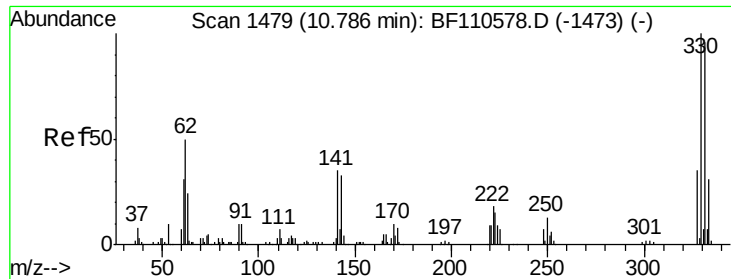


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

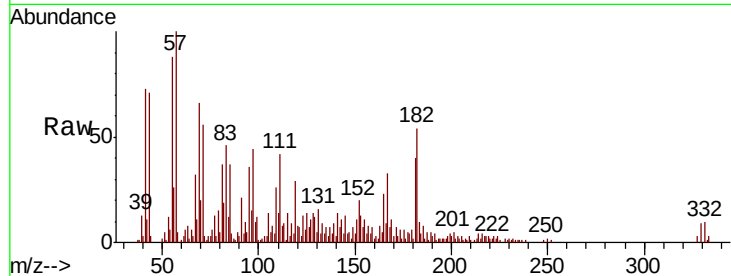




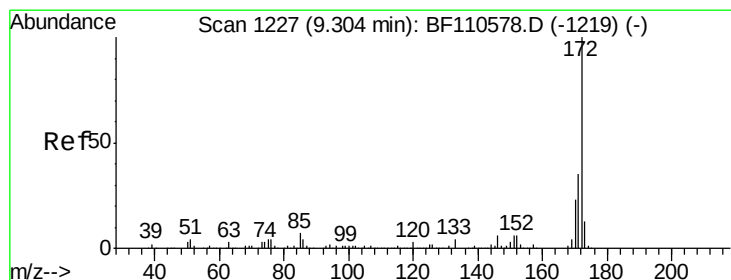
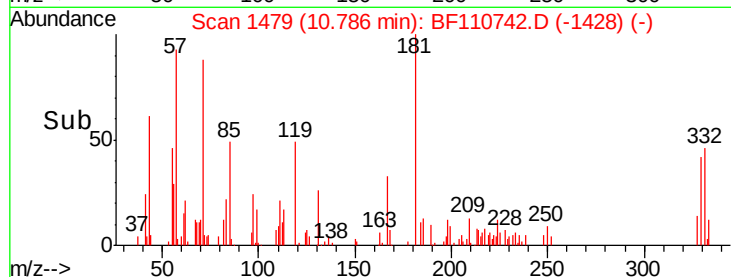
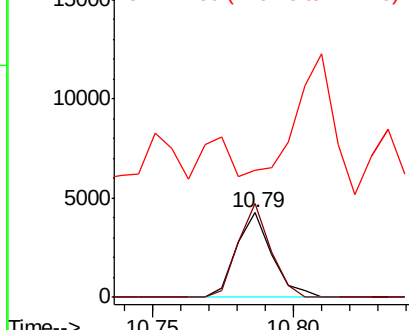
#42
 2,4,6-Tribromophenol
 Concen: 3.683 ng
 RT: 10.79 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: BF110742.D
 Acq: 14 Nov 2018 1:51

Instrument :
 BNA_F
 ClientSampleId :
 TP-5-GW

Tgt Ion: 330 Resp: 3752
 Ion Ratio Lower Upper
 330 100
 332 101.5 77.1 115.7
 141 42.5 27.0 40.4#

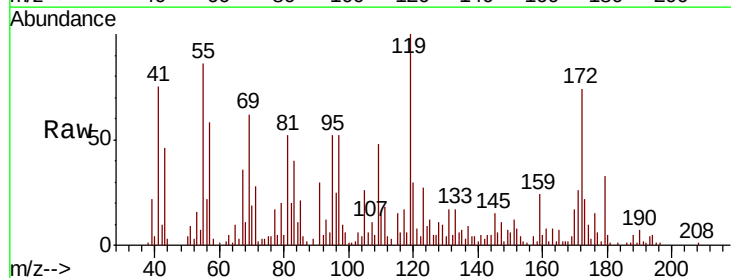


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

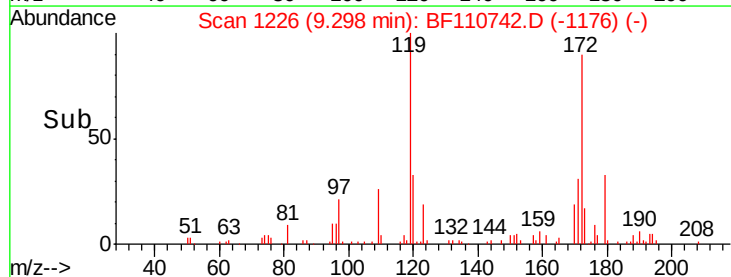
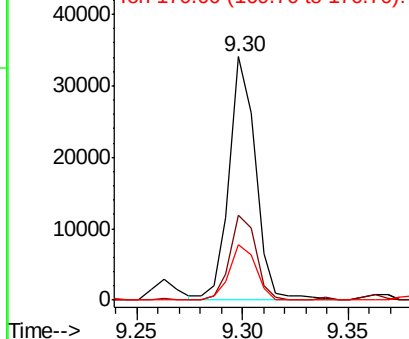


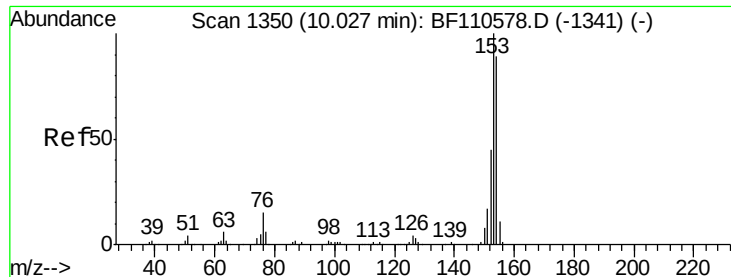
#45
 2-Fluorobiphenyl
 Concen: 4.183 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF110742.D
 Acq: 14 Nov 2018 1:51

Tgt Ion: 172 Resp: 29613
 Ion Ratio Lower Upper
 172 100
 171 34.6 28.6 43.0
 170 22.8 19.7 29.5



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#52

Acenaphthene

Concen: 3.487 ng

RT: 10.02 min Scan# 1349

Delta R.T. -0.01 min

Lab File: BF110742.D

Acq: 14 Nov 2018 1:51

Instrument :

BNA_F

ClientSampleId :

TP-5-GW

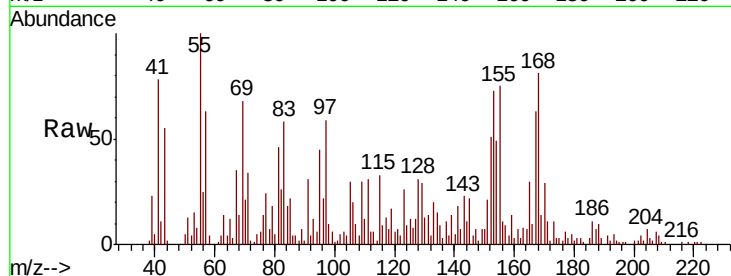
Tgt Ion:154 Resp: 21565

Ion Ratio Lower Upper

154 100

153 148.0 90.1 135.1#

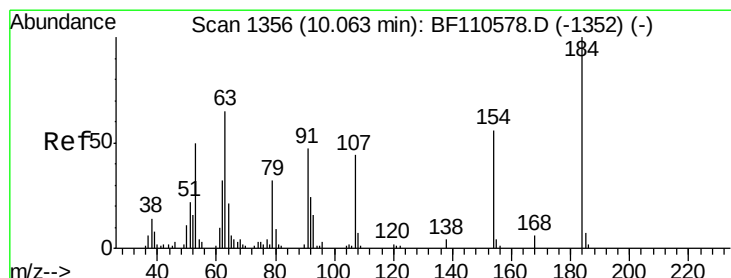
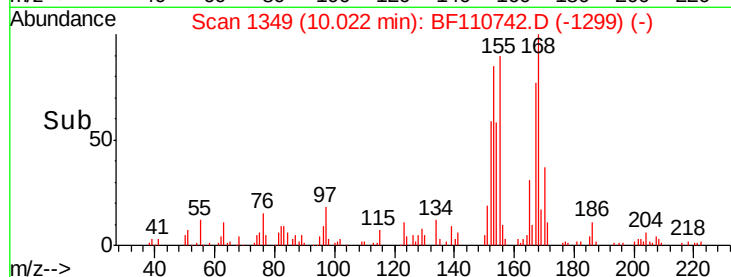
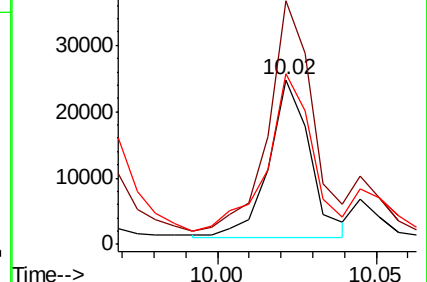
152 104.0 43.4 65.2#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

2,4-Dinitrophenol

Concen: 5.029 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.05 min

Lab File: BF110742.D

Acq: 14 Nov 2018 1:51

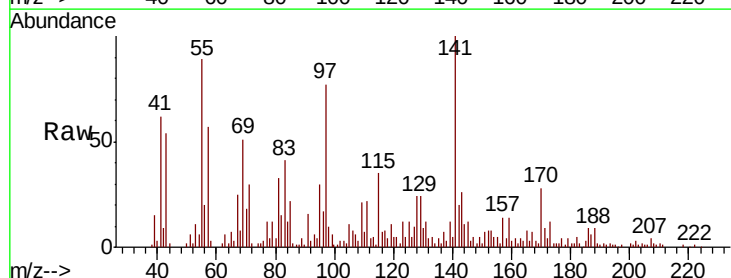
Tgt Ion:184 Resp: 230

Ion Ratio Lower Upper

184 100

63 1406.2 55.8 83.6#

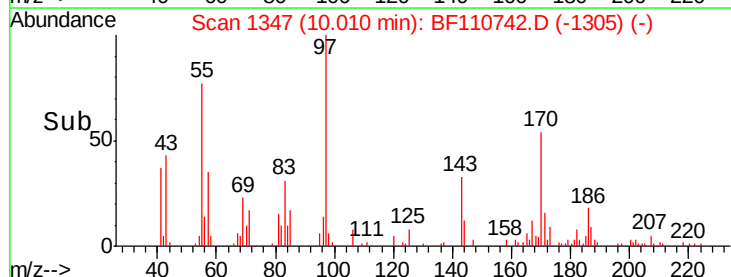
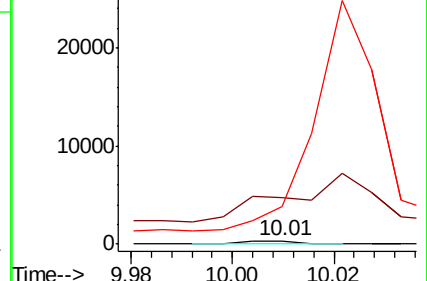
154 1124.1 63.2 94.8#

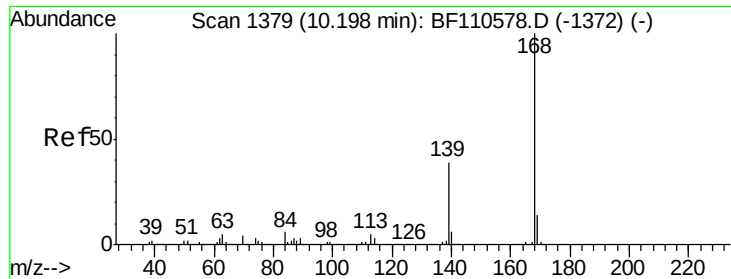


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

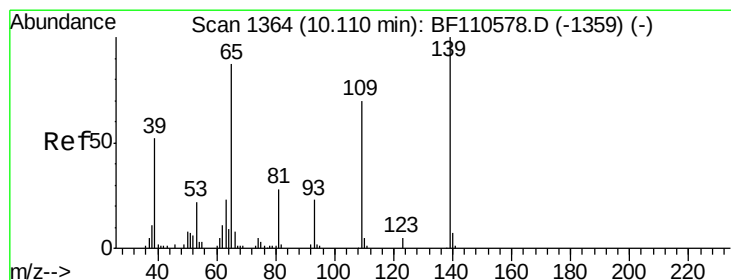
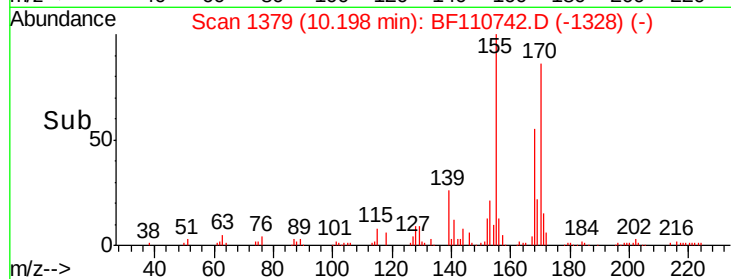
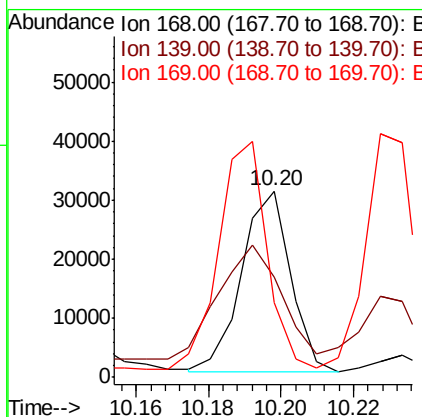
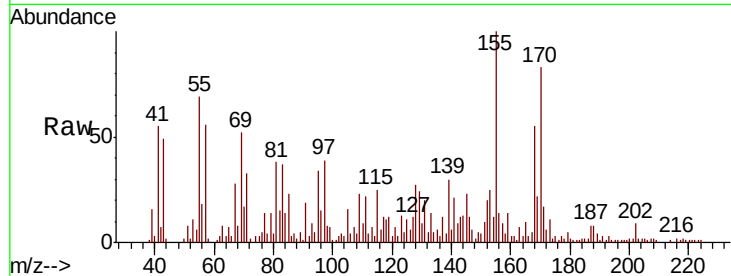




#55
Dibenzenofuran
Concen: 3.174 ng
RT: 10.20 min Scan# 1379
Delta R.T. 0.00 min
Lab File: BF110742.D
Acq: 14 Nov 2018 1:51

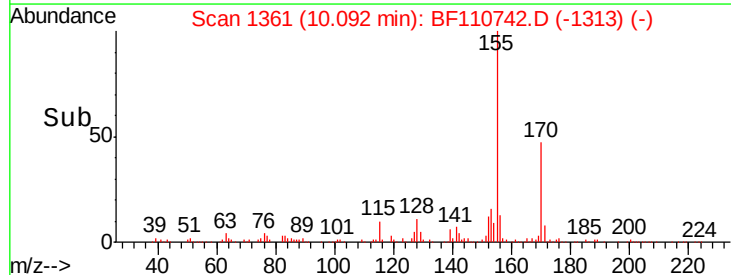
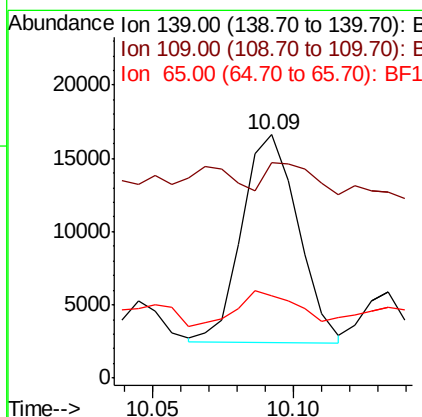
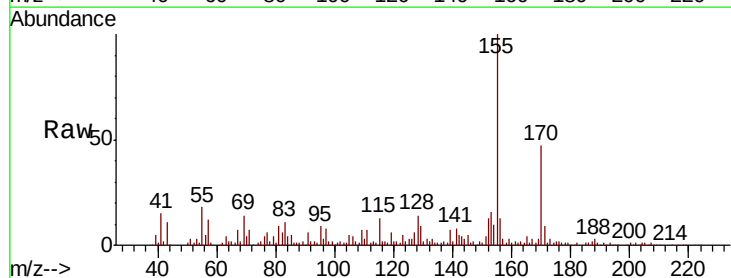
Instrument :
BNA_F
ClientSampleId :
TP-5-GW

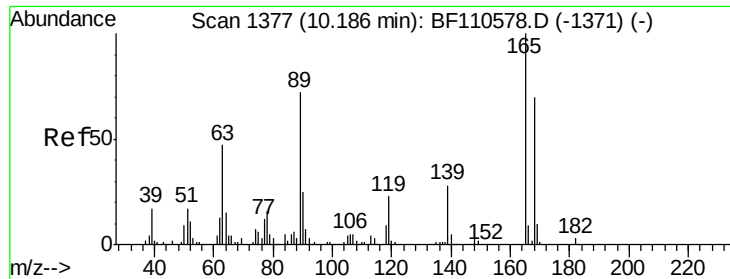
Tgt Ion	Ratio	Lower	Upper
168	100		
139	53.7	33.0	49.6#
169	40.1	11.3	16.9#



#56
4-Nitrophenol
Concen: 15.392 ng
RT: 10.09 min Scan# 1361
Delta R.T. -0.02 min
Lab File: BF110742.D
Acq: 14 Nov 2018 1:51

Tgt Ion	Ratio	Lower	Upper
139	100		
109	88.6	55.8	95.8
65	33.8	77.9	117.9#

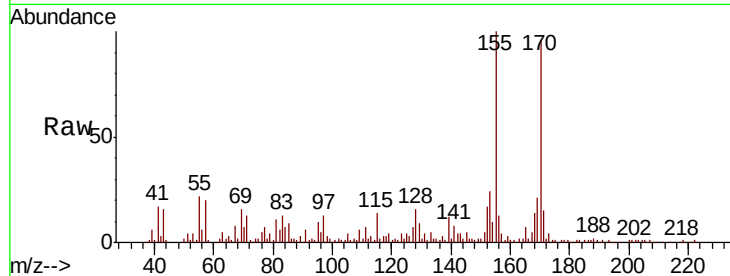




#57
 2,4-Dinitrotoluene
 Concen: 4.784 ng
 RT: 10.19 min Scan# 1378
 Delta R.T. 0.01 min
 Lab File: BF110742.D
 Acq: 14 Nov 2018 1:51

Instrument :
 BNA_F
 ClientSampleId :
 TP-5-GW

Tgt Ion	Ratio	Lower	Upper
165	100		
63	70.9	44.8	67.2#
89	38.3	62.2	93.4#
182	20.5	2.1	3.1#



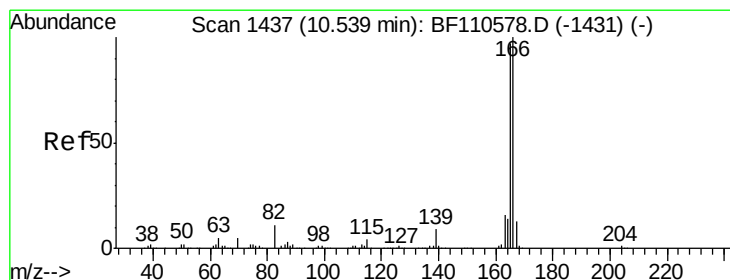
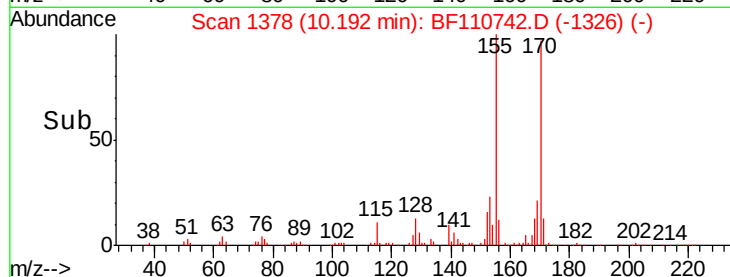
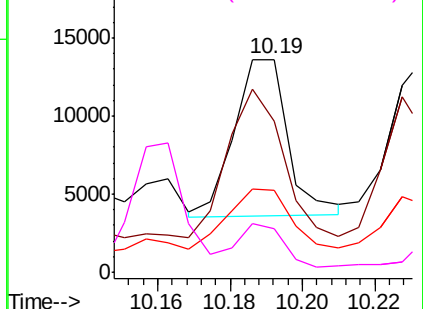
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

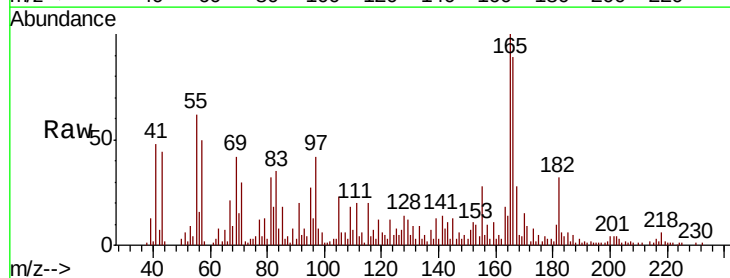
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58
 Fluorene
 Concen: 6.876 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. 0.00 min
 Lab File: BF110742.D
 Acq: 14 Nov 2018 1:51

Tgt Ion	Ratio	Lower	Upper
166	100		
165	112.2	78.6	117.8
167	31.4	10.8	16.2#

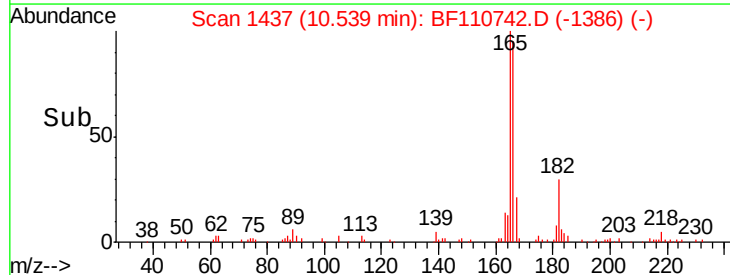
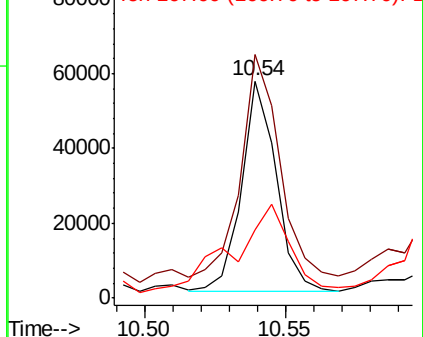


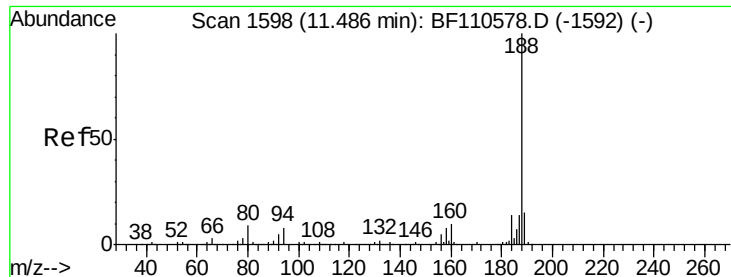
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF110742.D

Acq: 14 Nov 2018 1:51

Instrument :

BNA_F

ClientSampleId :

TP-5-GW

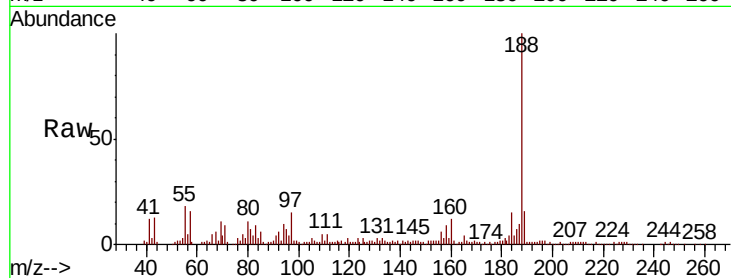
Tgt Ion:188 Resp: 168768

Ion Ratio Lower Upper

188 100

94 10.3 7.2 10.8

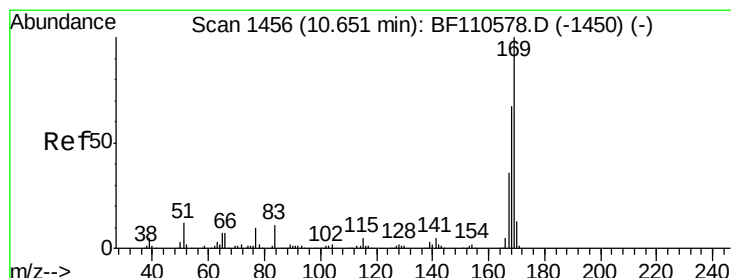
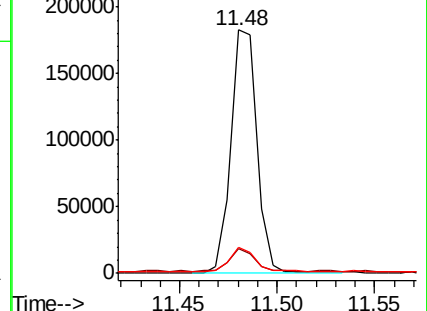
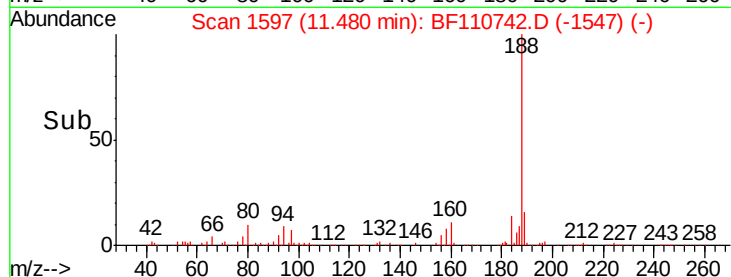
80 10.9 7.9 11.9



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#66

n-Nitrosodiphenylamine

Concen: 10.899 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.01 min

Lab File: BF110742.D

Acq: 14 Nov 2018 1:51

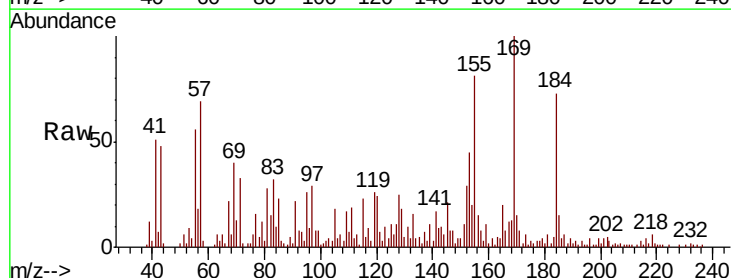
Tgt Ion:169 Resp: 62002

Ion Ratio Lower Upper

169 100

168 13.4 51.2 76.8#

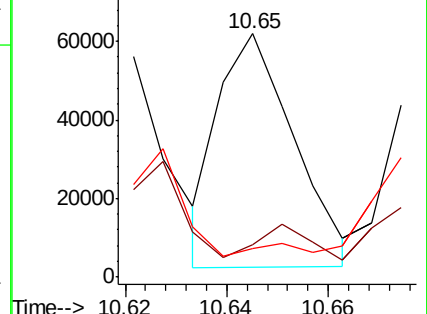
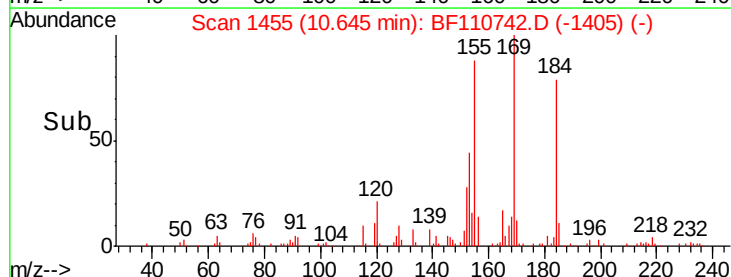
167 11.5 27.8 41.6#

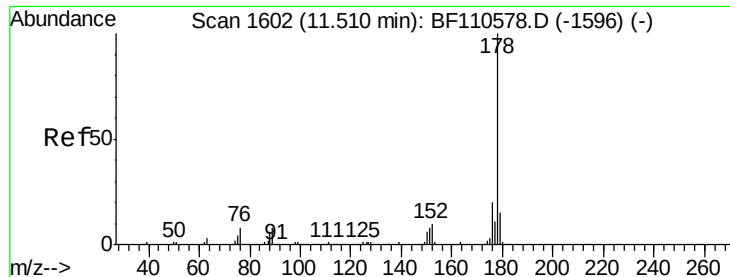


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

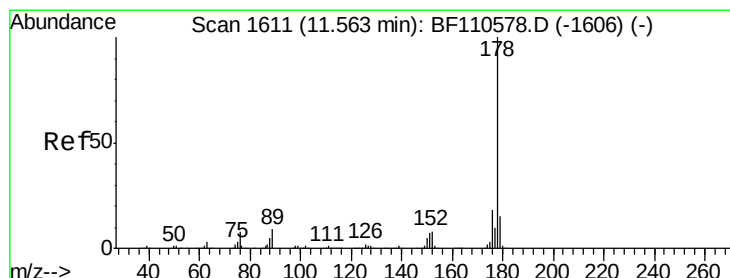
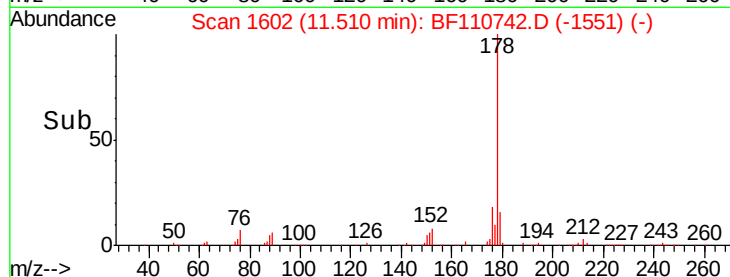
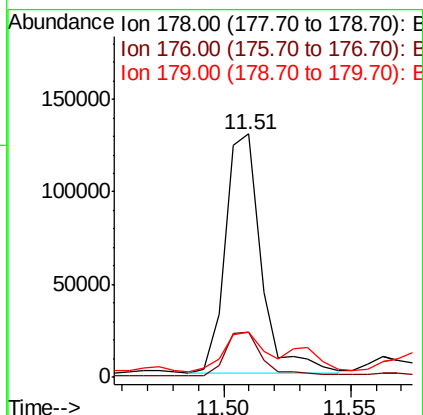
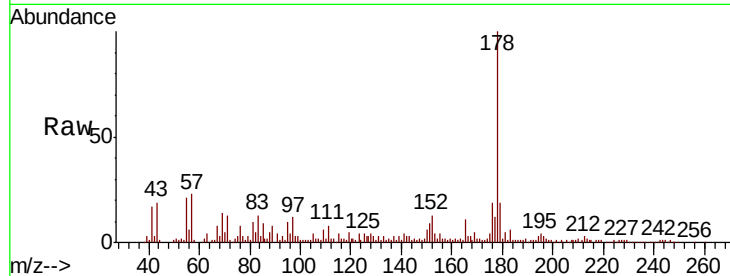




#71
Phenanthrene
Concen: 13.917 ng
RT: 11.51 min Scan# 1602
Delta R.T. 0.00 min
Lab File: BF110742.D
Acq: 14 Nov 2018 1:51

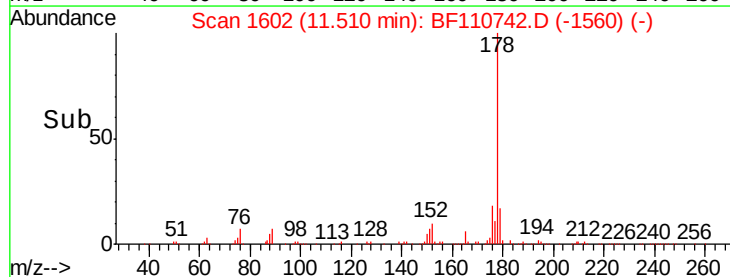
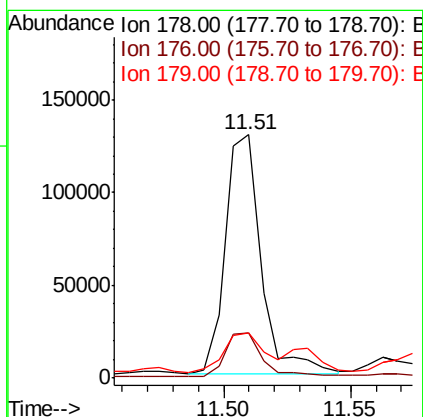
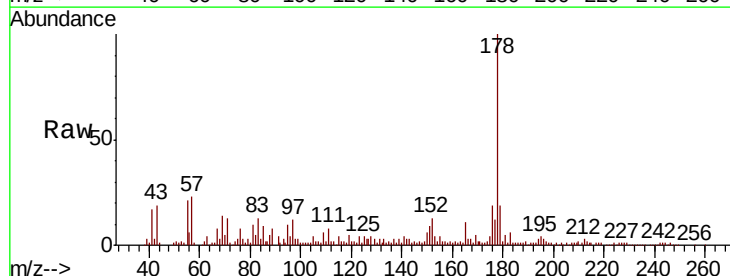
Instrument :
BNA_F
ClientSampleId :
TP-5-GW

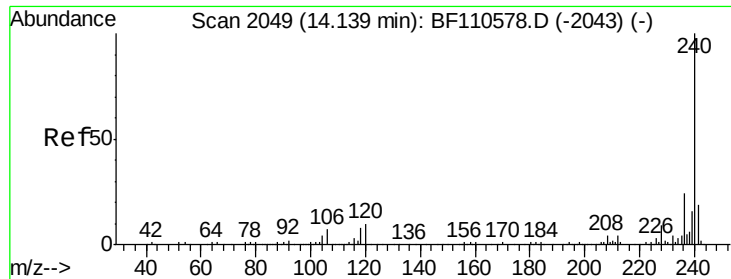
Tgt Ion:178 Resp: 125833
Ion Ratio Lower Upper
178 100
176 18.8 15.5 23.3
179 18.5 12.5 18.7



#72
Anthracene
Concen: 13.771 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.05 min
Lab File: BF110742.D
Acq: 14 Nov 2018 1:51

Tgt Ion:178 Resp: 125600
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 18.5 12.6 18.8

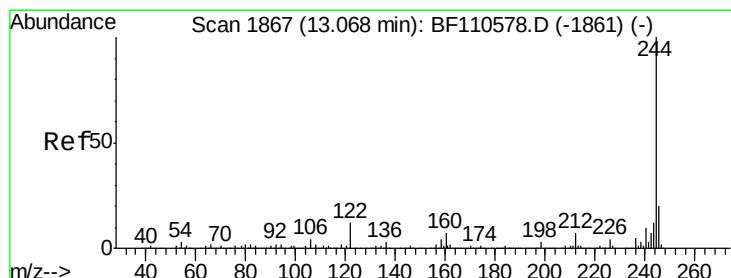
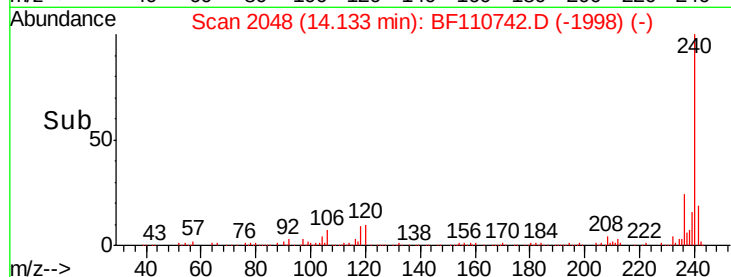
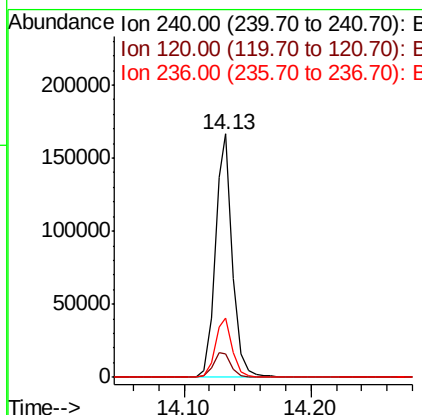
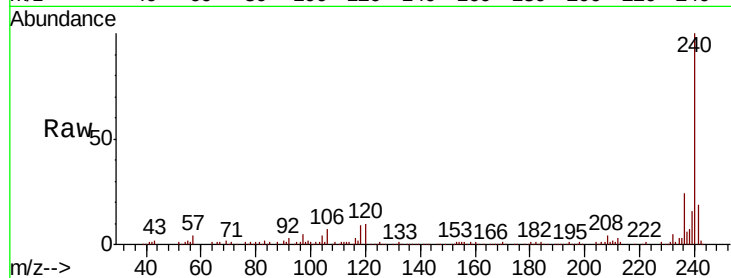




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF110742.D
Acq: 14 Nov 2018 1:51

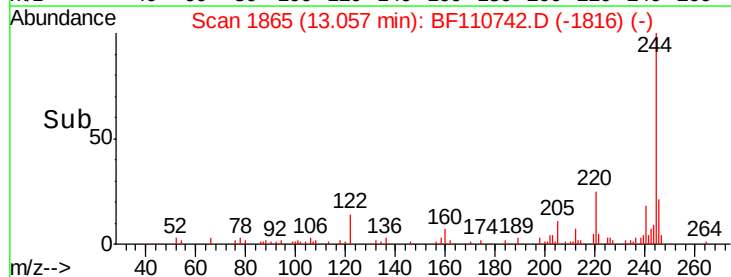
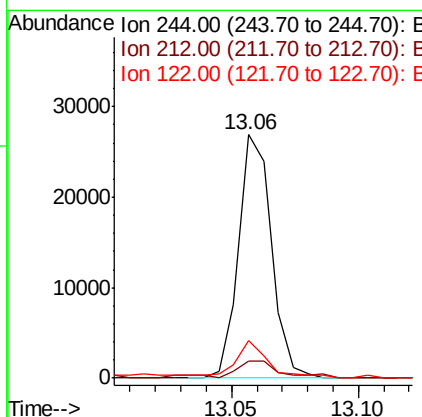
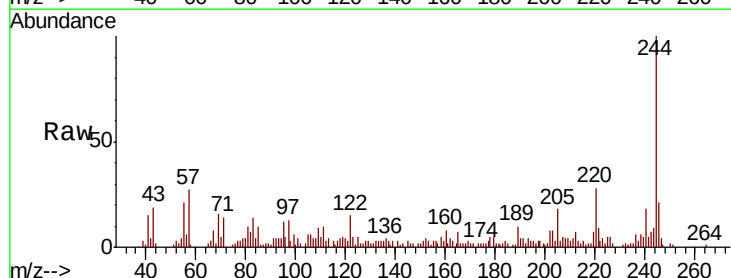
Instrument :
BNA_F
ClientSampleId :
TP-5-GW

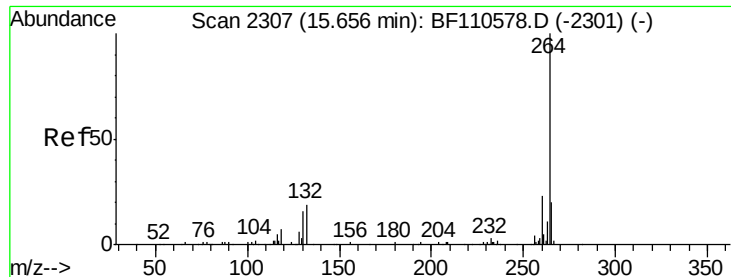
Tgt Ion: 240 Resp: 156631
Ion Ratio Lower Upper
240 100
120 9.9 8.3 12.5
236 24.1 21.2 31.8



#79
Terphenyl-d14
Concen: 2.900 ng
RT: 13.06 min Scan# 1865
Delta R.T. -0.01 min
Lab File: BF110742.D
Acq: 14 Nov 2018 1:51

Tgt Ion: 244 Resp: 24257
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.8
122 15.2 8.7 13.1#





#87
Perylene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BF110742.D
Acq: 14 Nov 2018 1:51

Instrument :
BNA_F
ClientSampleId :
TP-5-GW

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	18.7	28.1
265	21.3	16.7	25.1

