

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072718\
 Data File : BF107779.D
 Acq On : 28 Jul 2018 6:57
 Operator : JU/SJ
 Sample : J4184-03
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-6B

Quant Time: Jul 30 01:34:35 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 16:29:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	127301	20.00	ng	-0.02
21) Naphthalene-d8	8.24	136	529146	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	195762	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	373449	20.00	ng	-0.02
75) Chrysene-d12	14.15	240	437702	20.00	ng	-0.02
86) Perylene-d12	15.68	264	350738	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	3228	0.41	ng	0.02
7) Phenol-d6	6.64	99	17387	1.83	ng	0.02
23) Nitrobenzene-d5	7.54	82	28510	3.64	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	10390	4.67	ng	-0.02
44) 2-Fluorobiphenyl	9.31	172	73227	0.93	ng	-0.02
78) Terphenyl-d14	13.08	244	83418	4.88	ng	-0.02

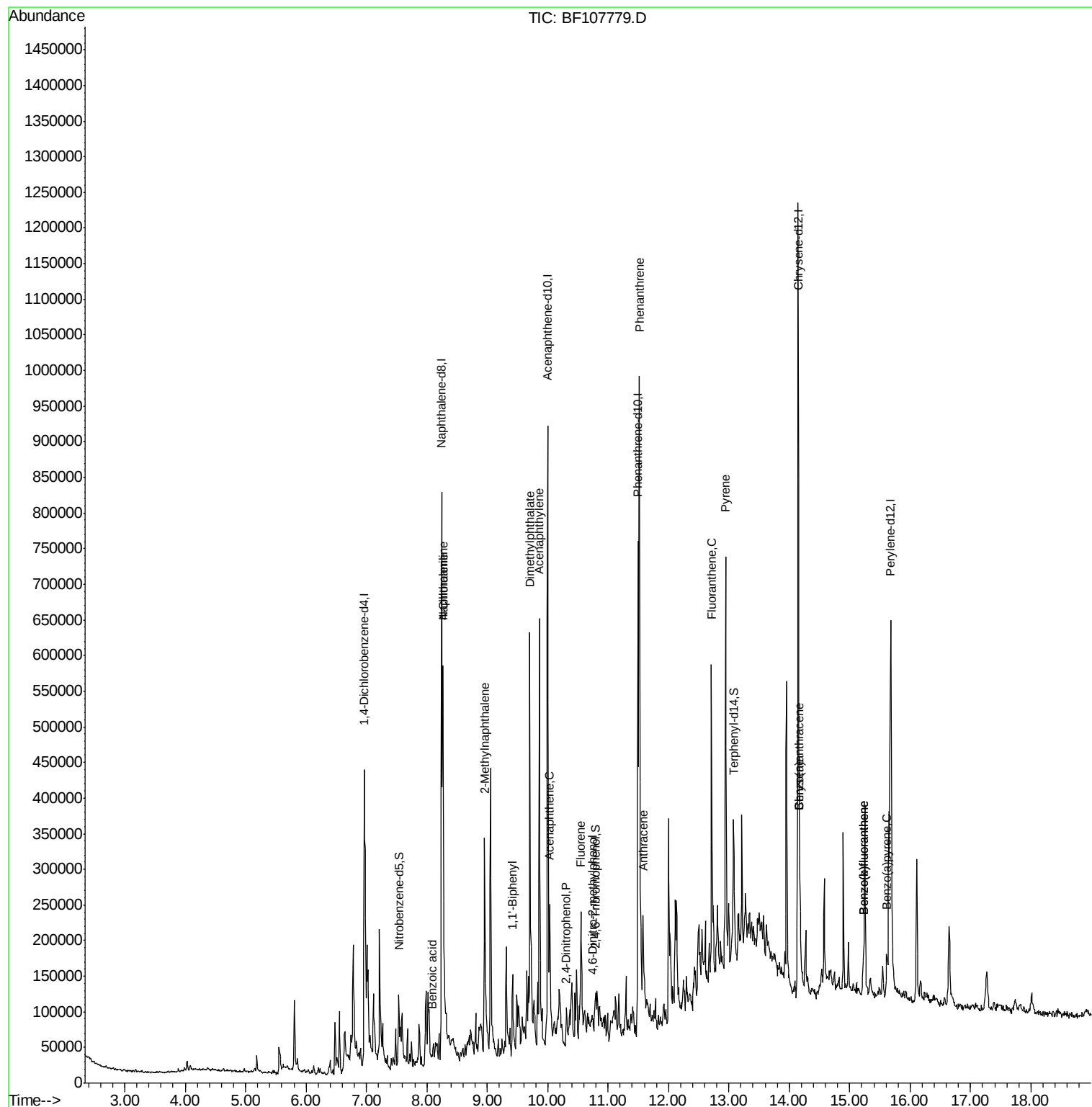
Target Compounds				Qvalue		
9) Benzaldehyde	6.51	77	1650	Below Cal	#	1
31) Naphthalene	8.27	128	322942	13.879	ng	98
32) Benzoic acid	8.09	122	116	7.919	ng	# 3
33) 4-Chloroaniline	8.27	127	39761	3.910	ng	# 34
37) 2-Methylnaphthalene	8.95	142	119933	7.438	ng	96
45) 1,1'-Biphenyl	9.42	154	47547	2.788	ng	97
48) Acenaphthylene	9.86	152	345332	17.636	ng	98
49) Dimethylphthalate	9.71	163	252960	17.145	ng	# 99
51) Acenaphthene	10.03	154	40725	3.319	ng	96
53) 2,4-Dinitrophenol	10.30	184	112	8.392	ng	# 12
57) Fluorene	10.55	166	86306	6.698	ng	# 95
64) 4,6-Dinitro-2-methylphenol	10.75	198	690	8.994	ng	# 21
70) Phenanthrene	11.52	178	405050	22.258	ng	99
71) Anthracene	11.58	178	127064	6.935	ng	98
73) Di-n-butylphthalate	12.04	149	12917	Below Cal	#	93
74) Fluoranthene	12.71	202	235020	12.035	ng	97
77) Pyrene	12.95	202	331604	11.076	ng	97
80) Benzo(a)anthracene	14.18	228	57733	2.251	ng	95
81) 3,3'-Dichlorobenzidine	14.10	252	482	Below Cal	#	40
82) Chrysene	14.18	228	57733	2.343	ng	98
87) Benzo(b)fluoranthene	15.22	252	48034	2.502	ng	98
88) Benzo(k)fluoranthene	15.22	252	48034	2.554	ng	99
89) Benzo(a)pyrene	15.61	252	38794	2.209	ng	96

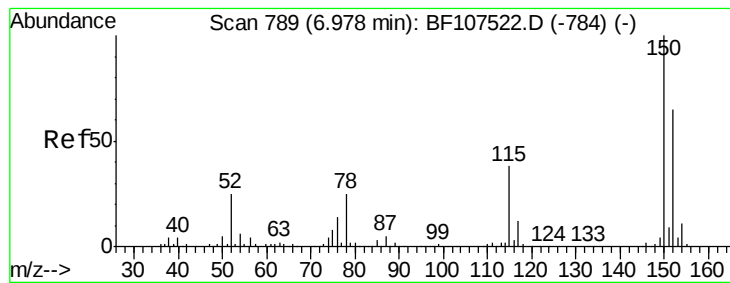
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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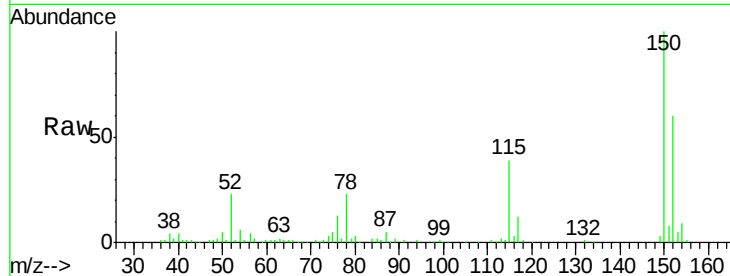


#1

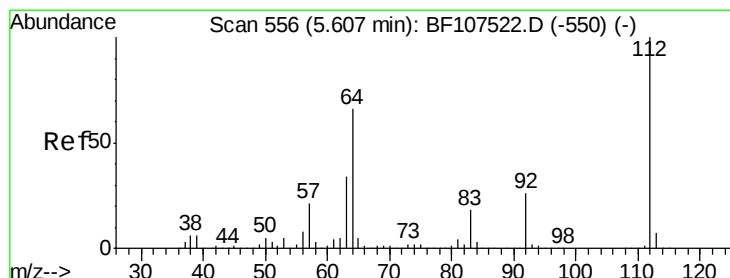
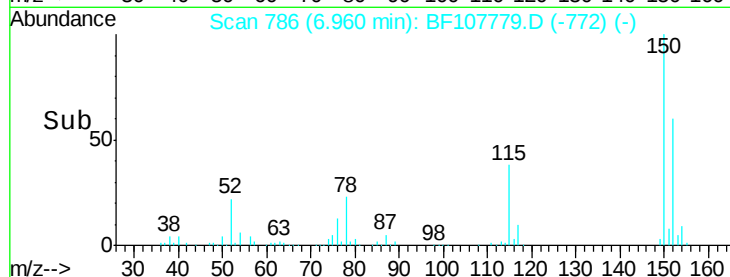
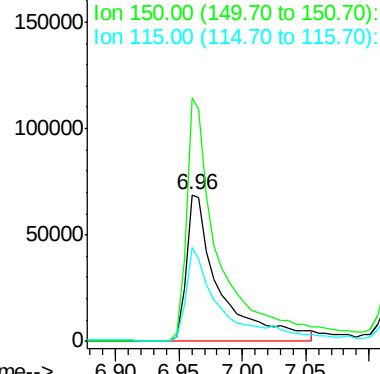
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.02 min
Lab File: BF107779.D
Acq: 28 Jul 2018 6:57

Instrument :
BNA_F
ClientSampleId :
MW-6B

Tgt Ion:152 Resp: 127301
Ion Ratio Lower Upper
152 100
150 166.0 124.6 186.8
115 64.4 50.1 75.1



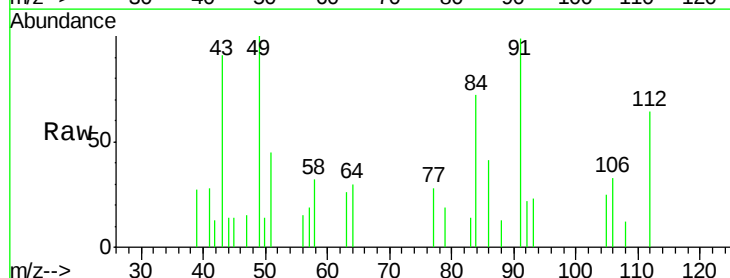
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



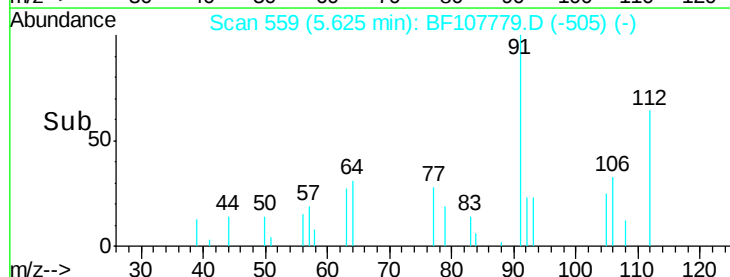
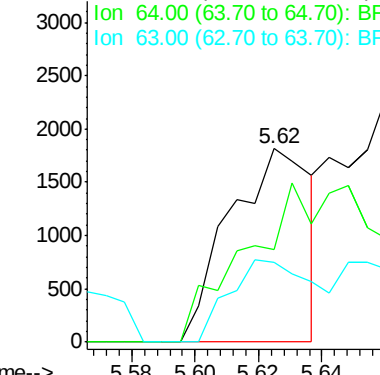
#5

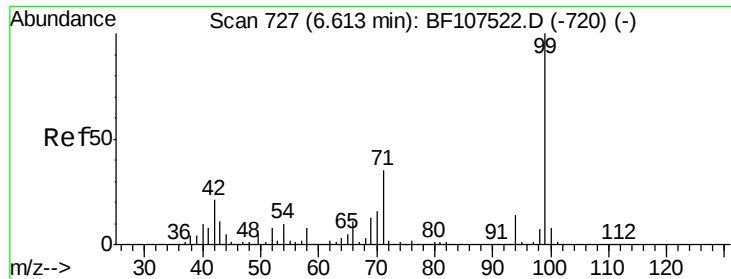
2-Fluorophenol
Concen: 0.408 ng
RT: 5.62 min Scan# 559
Delta R.T. 0.02 min
Lab File: BF107779.D
Acq: 28 Jul 2018 6:57

Tgt Ion:112 Resp: 3228
Ion Ratio Lower Upper
112 100
64 47.6 47.9 71.9#
63 41.4 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: 1.829 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.02 min

Lab File: BF107779.D

Acq: 28 Jul 2018 6:57

Instrument :

BNA_F

ClientSampleId :

MW-6B

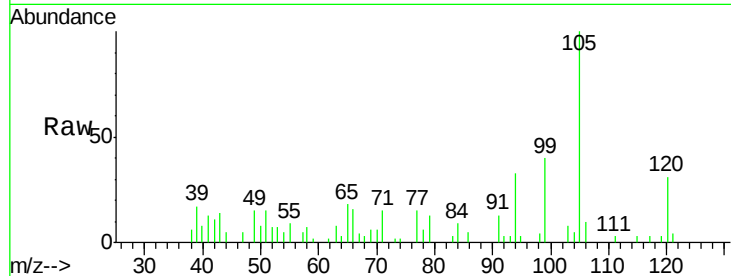
Tgt Ion: 99 Resp: 17387

Ion Ratio Lower Upper

99 100

42 26.2 14.5 21.7#

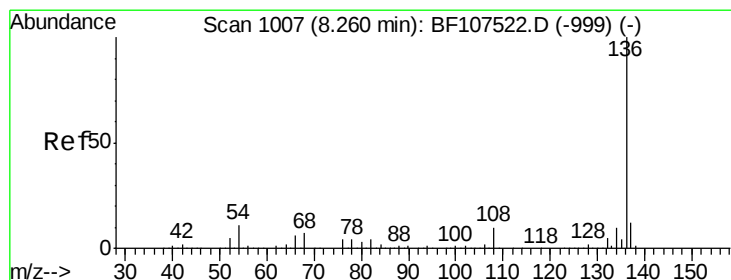
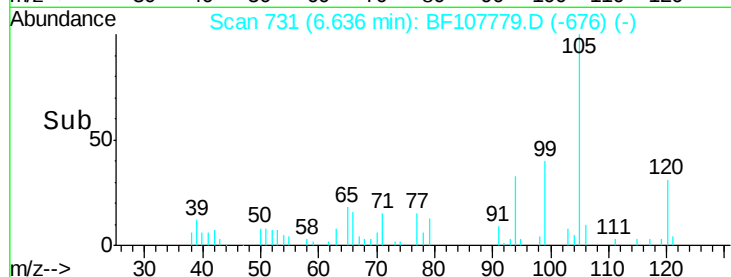
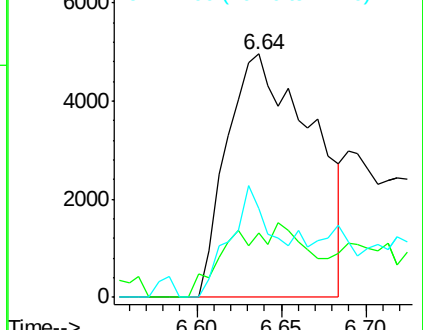
71 36.3 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1004

Delta R.T. -0.02 min

Lab File: BF107779.D

Acq: 28 Jul 2018 6:57

Tgt Ion: 136 Resp: 529146

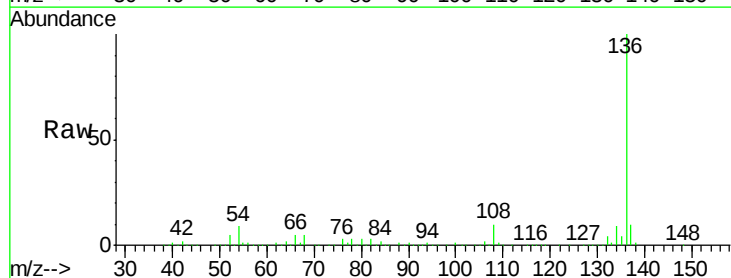
Ion Ratio Lower Upper

136 100

137 10.4 8.9 13.3

54 9.4 6.6 9.8

68 5.4 5.0 7.4

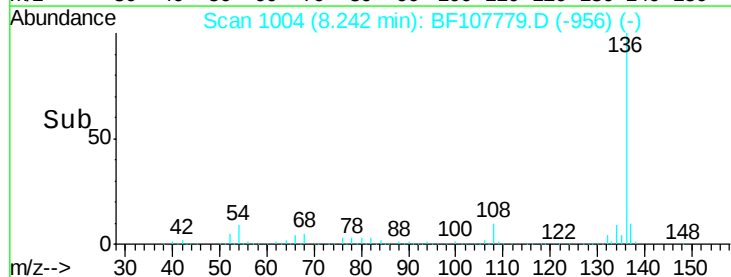
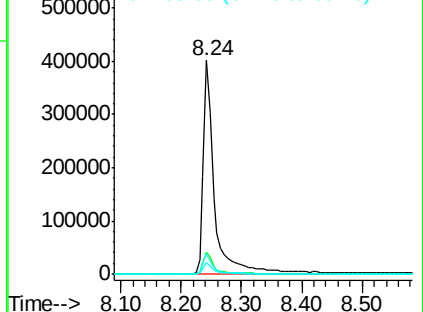


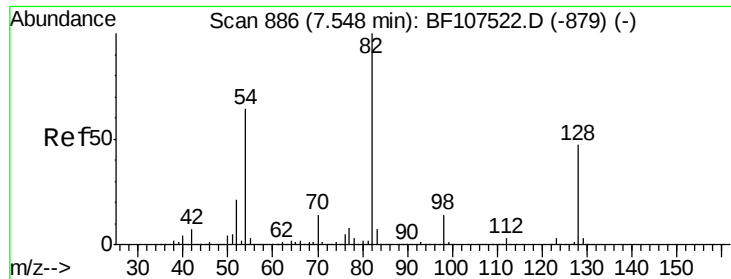
Abundance Ion 136.00 (135.70 to 136.70): E

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

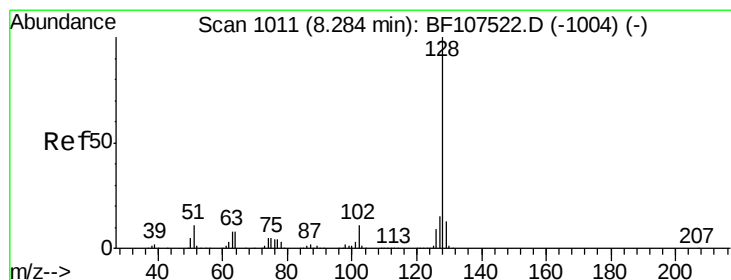
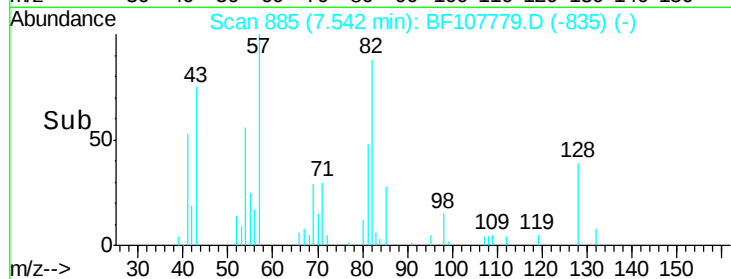
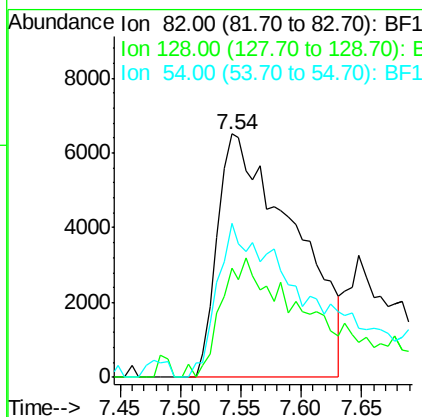
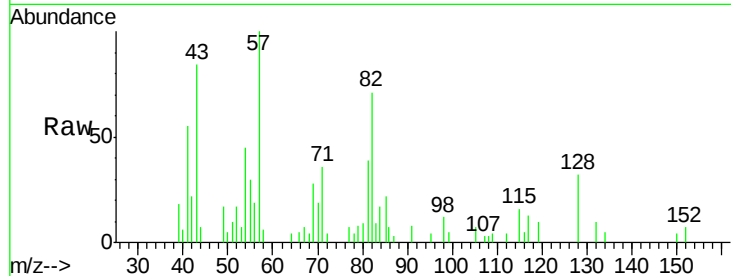




#23
Nitrobenzene-d5
Concen: 3.636 ng
RT: 7.54 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF107779.D
Acq: 28 Jul 2018 6:57

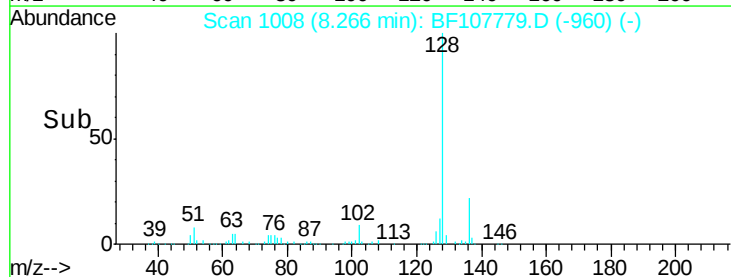
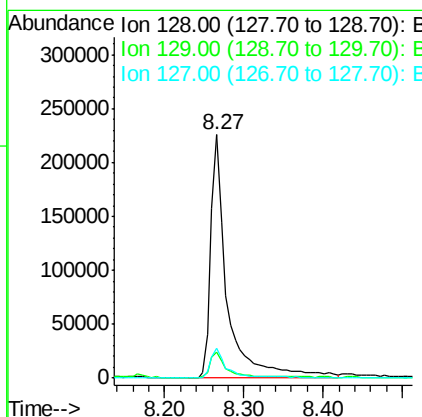
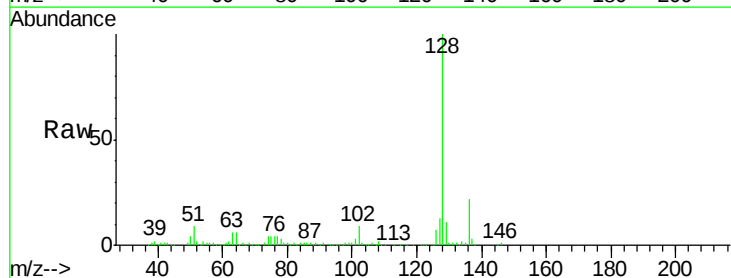
Instrument :
BNA_F
ClientSampled :
MW-6B

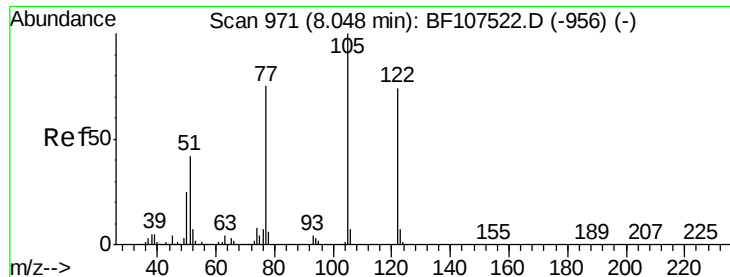
Tgt Ion: 82 Resp: 28510
Ion Ratio Lower Upper
82 100
128 44.8 36.1 54.1
54 63.1 41.4 62.2#



#31
Naphthalene
Concen: 13.879 ng
RT: 8.27 min Scan# 1008
Delta R.T. -0.02 min
Lab File: BF107779.D
Acq: 28 Jul 2018 6:57

Tgt Ion: 128 Resp: 322942
Ion Ratio Lower Upper
128 100
129 10.7 8.8 13.2
127 12.5 10.9 16.3





#32

Benzoic acid

Concen: 7.919 ng

RT: 8.09 min Scan# 978

Delta R.T. 0.04 min

Lab File: BF107779.D

Acq: 28 Jul 2018 6:57

Instrument :

BNA_F

ClientSampleId :

MW-6B

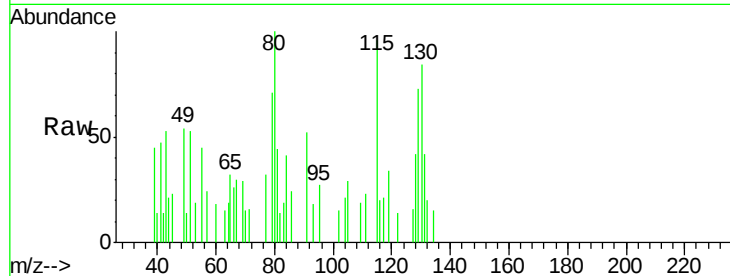
Tgt Ion:122 Resp: 116

Ion Ratio Lower Upper

122 100

105 198.5 101.1 141.1#

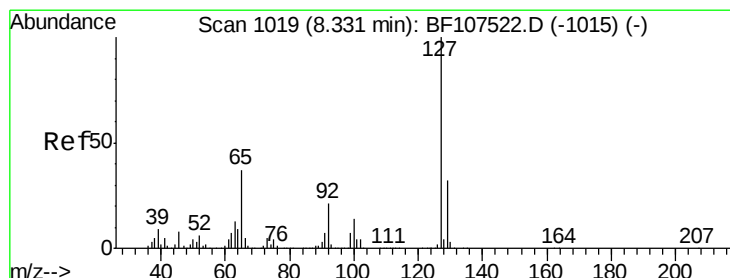
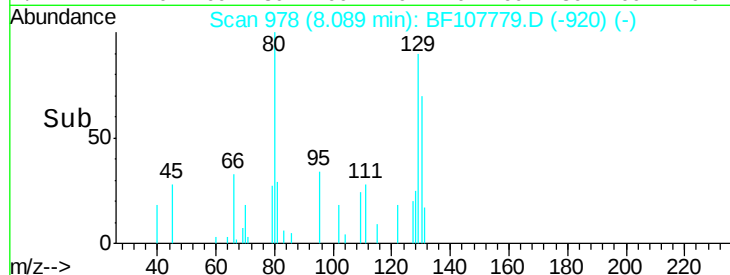
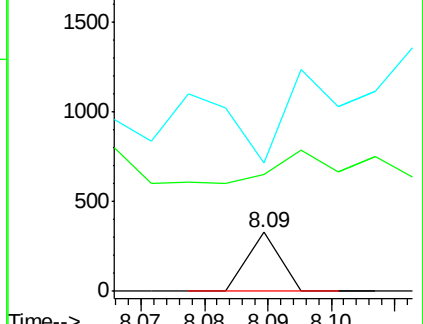
77 218.5 70.7 110.7#



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: 3.910 ng

RT: 8.27 min Scan# 1008

Delta R.T. -0.06 min

Lab File: BF107779.D

Acq: 28 Jul 2018 6:57

Tgt Ion:127 Resp: 39761

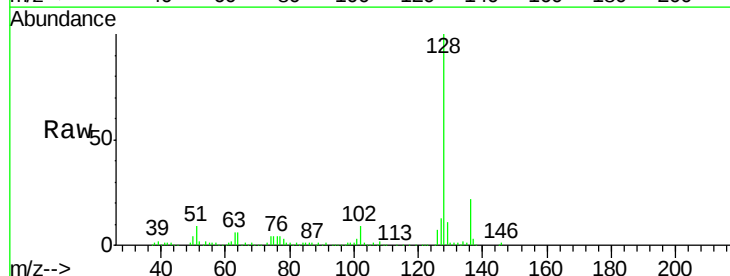
Ion Ratio Lower Upper

127 100

129 85.2 25.9 38.9#

65 2.8 25.0 37.4#

92 0.0 15.2 22.8#

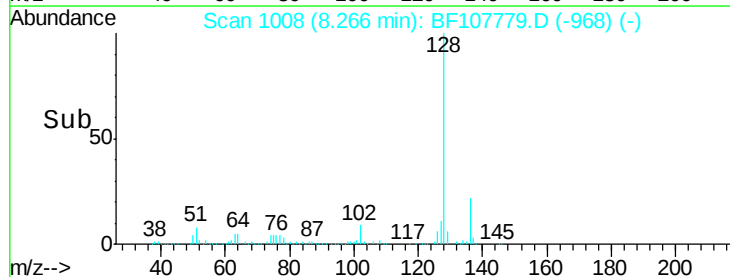
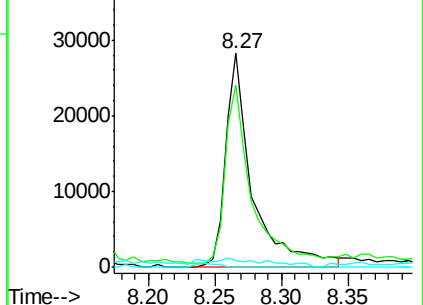


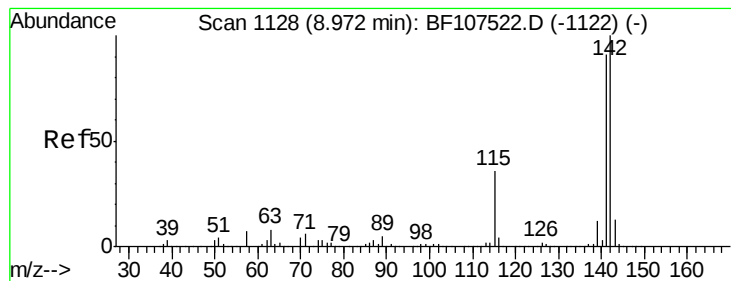
Abundance Ion 127.00 (126.70 to 127.70): E

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

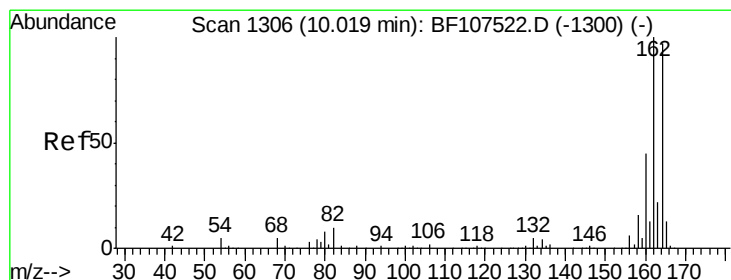
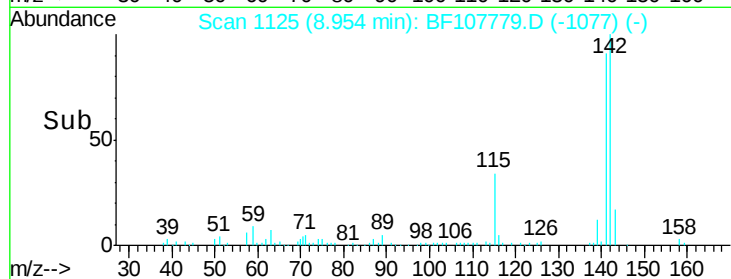
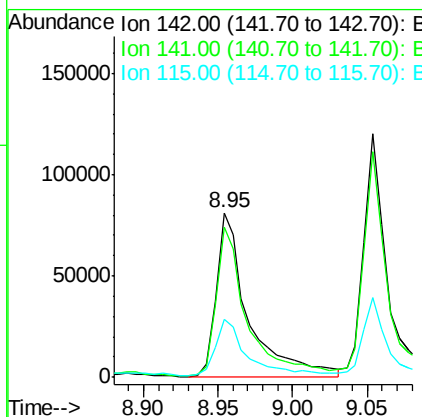
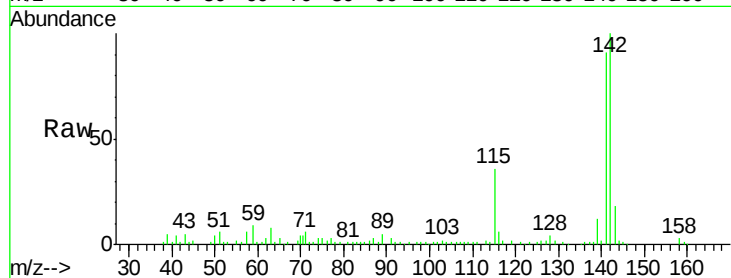




#37
2-Methylnaphthalene
Concen: 7.438 ng
RT: 8.95 min Scan# 1125
Delta R.T. -0.02 min
Lab File: BF107779.D
Acq: 28 Jul 2018 6:57

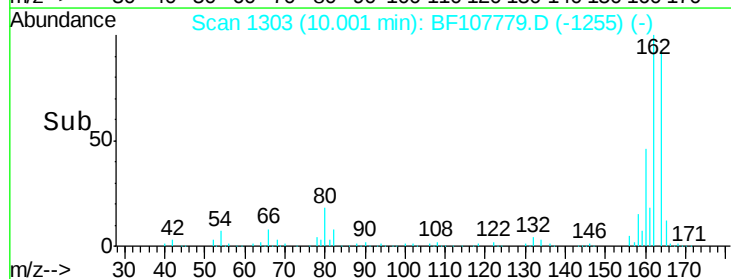
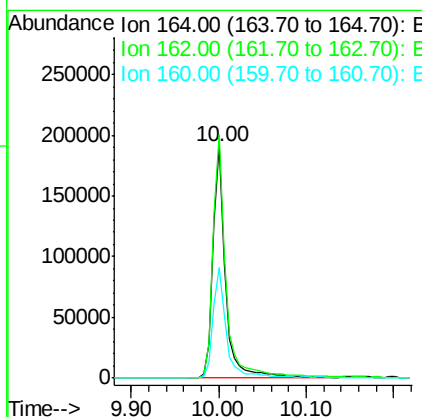
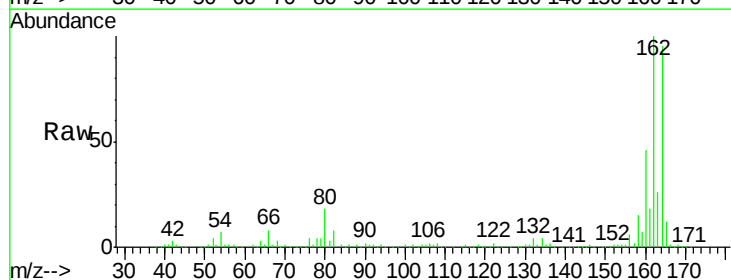
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MW-6B

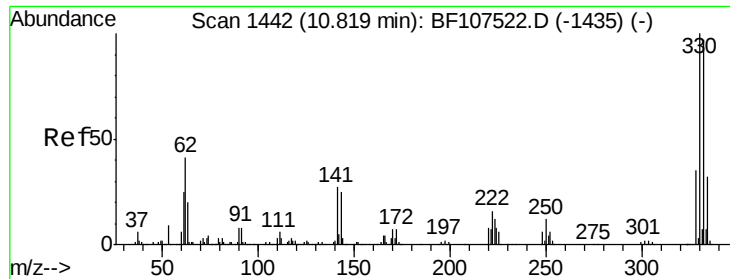
Tgt Ion:142 Resp: 119933
Ion Ratio Lower Upper
142 100
141 91.2 70.8 106.2
115 35.6 26.1 39.1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BF107779.D
Acq: 28 Jul 2018 6:57

Tgt Ion:164 Resp: 195762
Ion Ratio Lower Upper
164 100
162 105.0 86.1 129.1
160 47.8 38.3 57.5

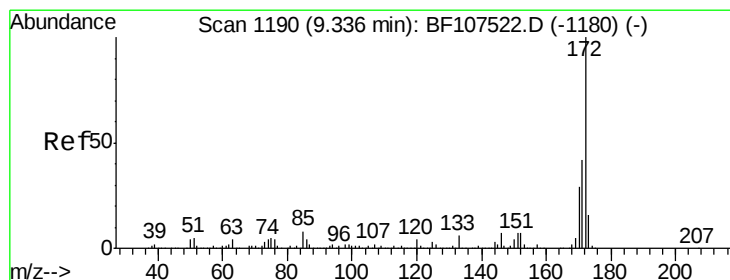
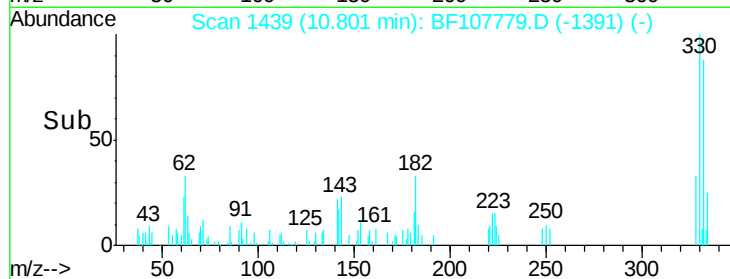
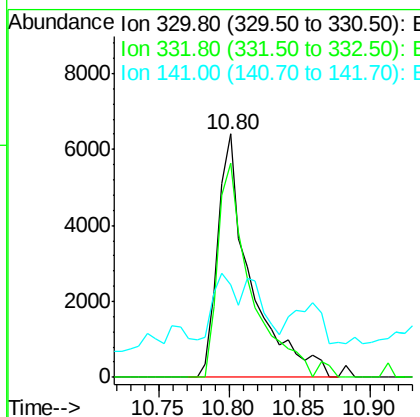
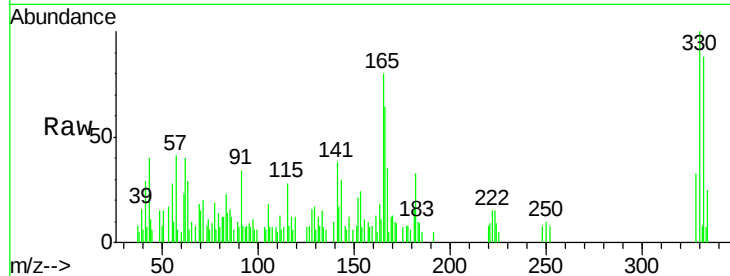




#41
 2,4,6-Tribromophenol
 Concen: 4.667 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.02 min
 Lab File: BF107779.D
 Acq: 28 Jul 2018 6:57

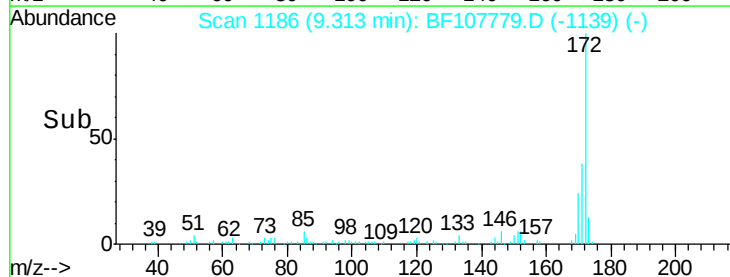
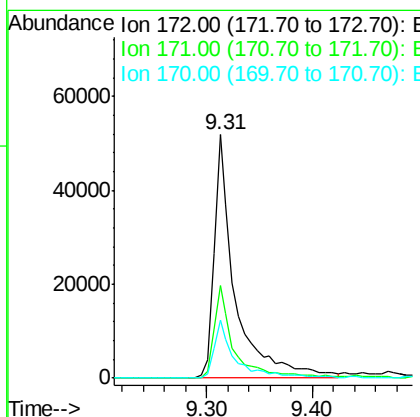
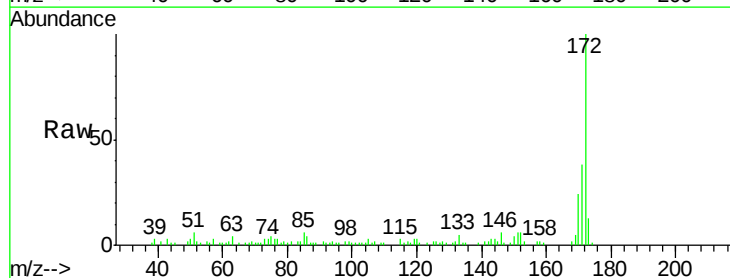
Instrument :
 BNA_F
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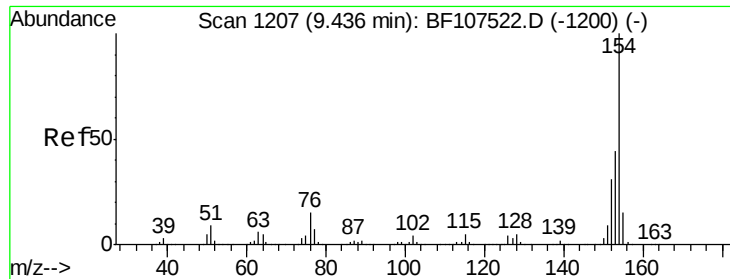
Tgt Ion: 330 Resp: 10390
 Ion Ratio Lower Upper
 330 100
 332 88.1 77.0 115.6
 141 18.2 29.9 44.9#



#44
 2-Fluorobiphenyl
 Concen: 0.928 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.02 min
 Lab File: BF107779.D
 Acq: 28 Jul 2018 6:57

Tgt Ion: 172 Resp: 73227
 Ion Ratio Lower Upper
 172 100
 171 38.1 29.7 44.5
 170 23.7 19.6 29.4

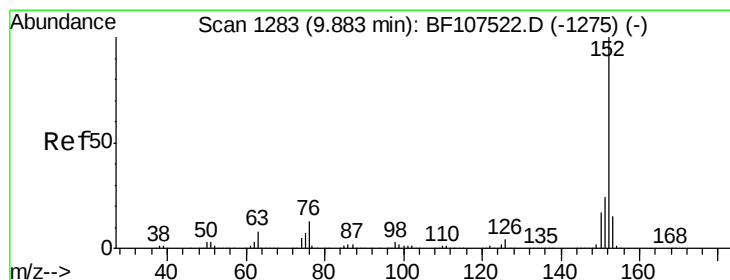
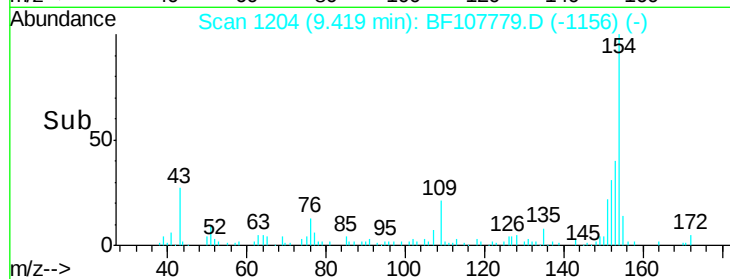
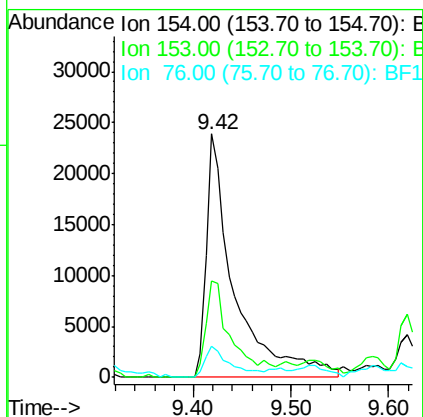
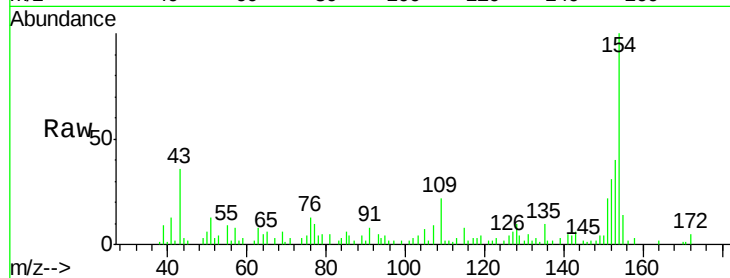




#45
 1,1'-Biphenyl
 Concen: 2.788 ng
 RT: 9.42 min Scan# 1204
 Delta R.T. -0.02 min
 Lab File: BF107779.D
 Acq: 28 Jul 2018 6:57

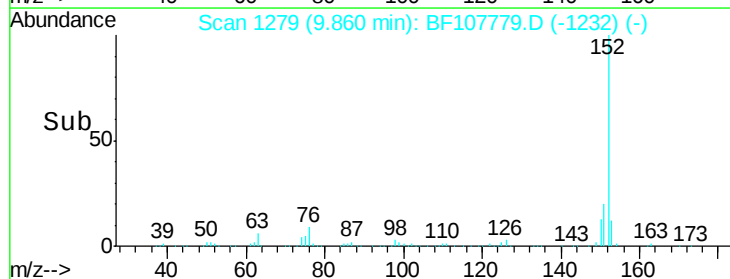
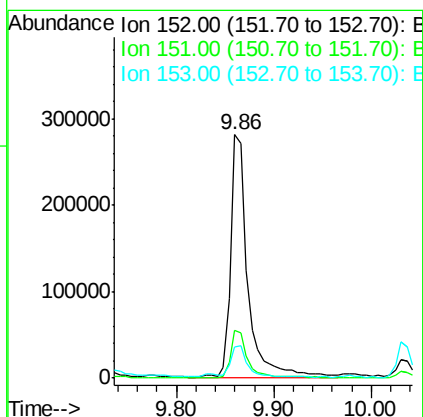
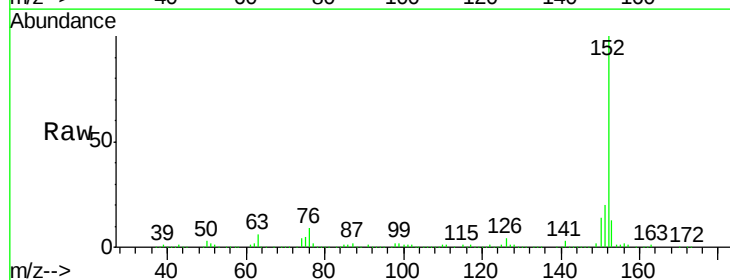
Instrument :
 BNA_F
 ClientSampleId :
 MW-6B

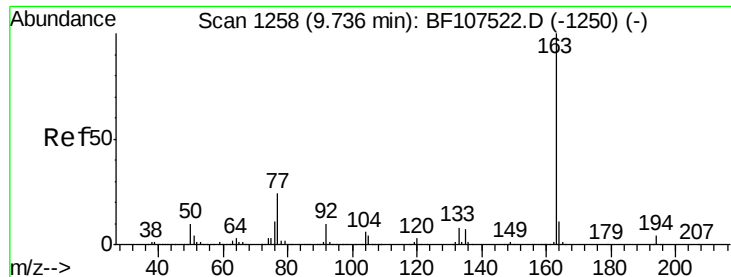
Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.7	21.3	61.3
76	12.7	0.0	34.0



#48
 Acenaphthylene
 Concen: 17.636 ng
 RT: 9.86 min Scan# 1279
 Delta R.T. -0.02 min
 Lab File: BF107779.D
 Acq: 28 Jul 2018 6:57

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.3	24.5
153	12.6	10.7	16.1

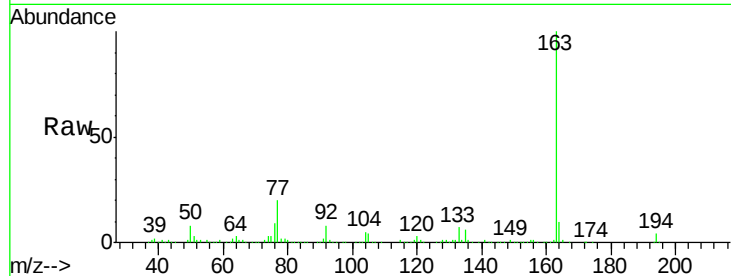




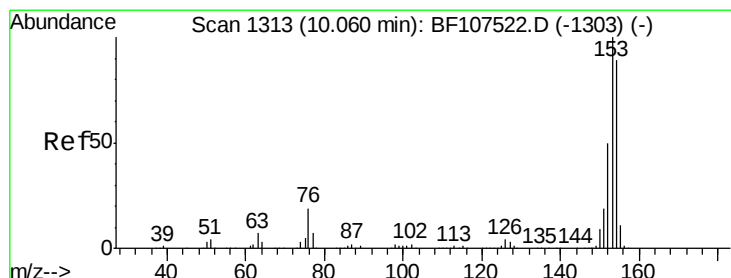
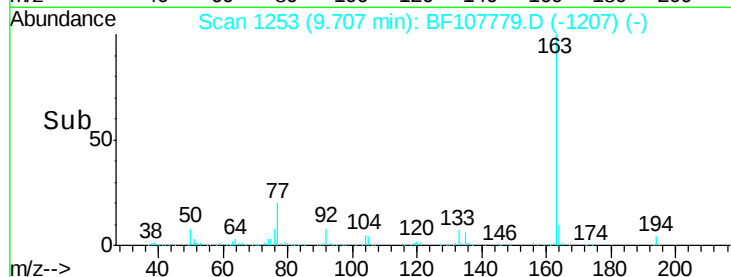
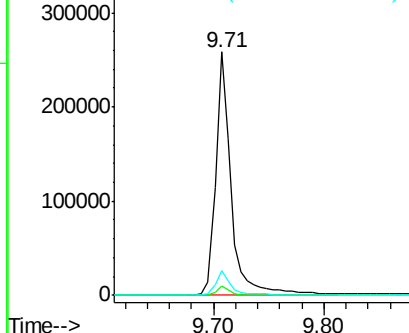
#49
Dimethylphthalate
Concen: 17.145 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.03 min
Lab File: BF107779.D
Acq: 28 Jul 2018 6:57

Instrument :
BNA_F
ClientSampleId :
MW-6B

Tgt Ion:163 Resp: 252960
Ion Ratio Lower Upper
163 100
194 4.1 2.7 4.1#
164 10.4 8.2 12.2

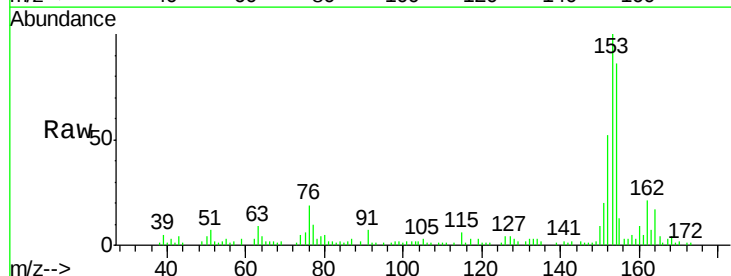


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

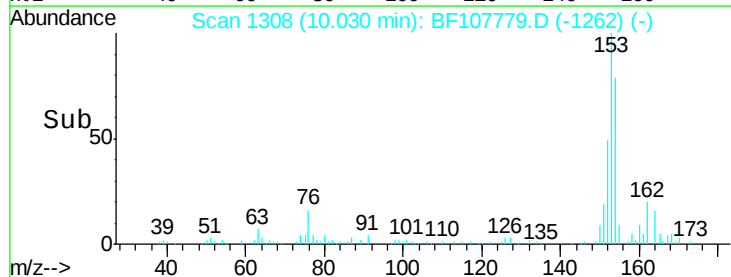
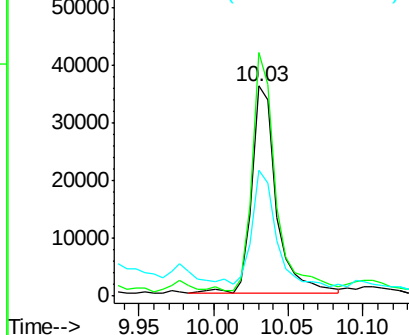


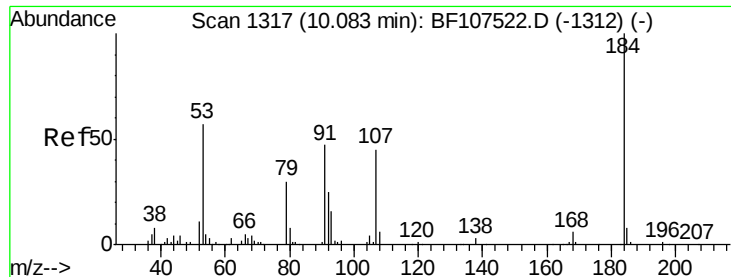
#51
Acenaphthene
Concen: 3.319 ng
RT: 10.03 min Scan# 1308
Delta R.T. -0.03 min
Lab File: BF107779.D
Acq: 28 Jul 2018 6:57

Tgt Ion:154 Resp: 40725
Ion Ratio Lower Upper
154 100
153 116.1 91.2 136.8
152 59.9 43.8 65.8



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

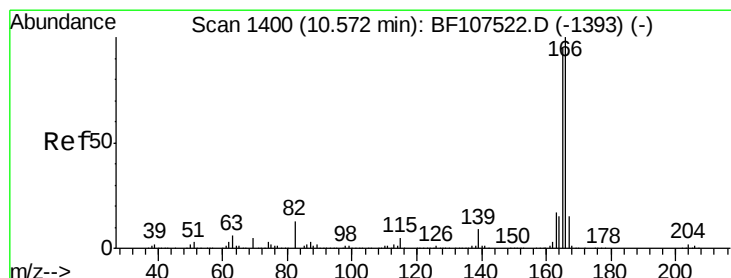
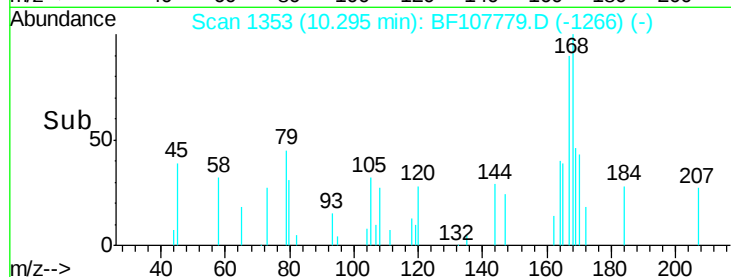
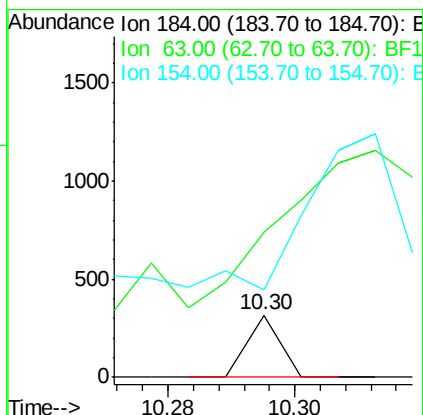
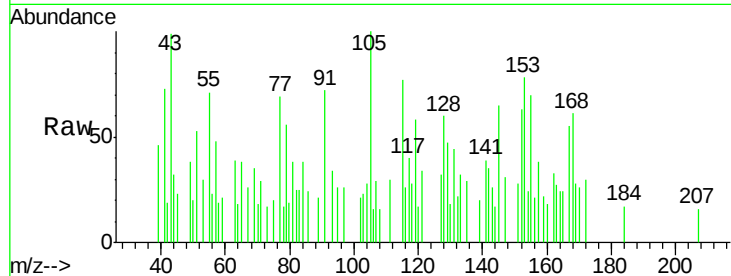




#53
2,4-Dinitrophenol
Concen: 8.392 ng
RT: 10.30 min Scan# 1353
Delta R.T. 0.21 min
Lab File: BF107779.D
Acq: 28 Jul 2018 6:57

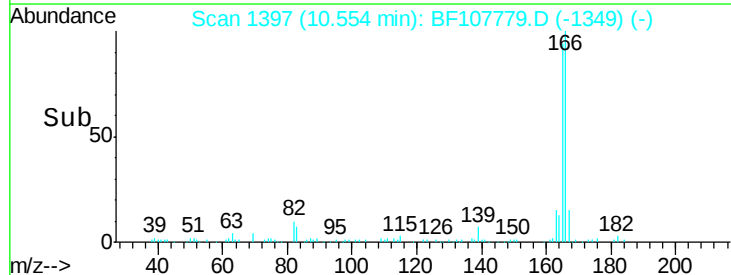
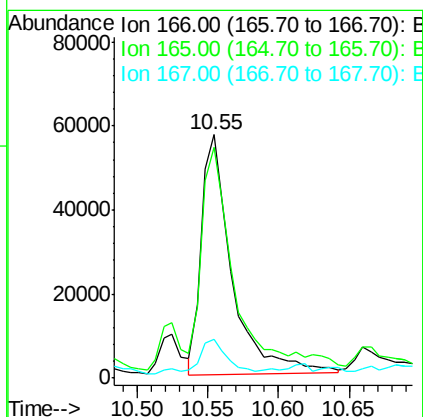
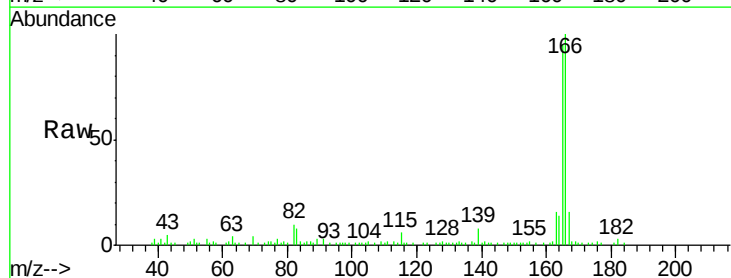
Instrument :
BNA_F
ClientSampleId :
MW-6B

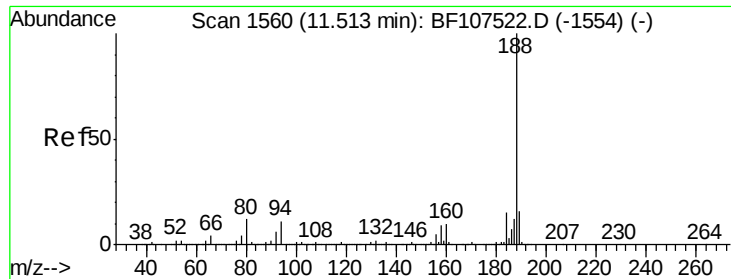
Tgt Ion:184 Resp: 112
Ion Ratio Lower Upper
184 100
63 232.5 54.2 81.2#
154 140.4 184.0 276.0#



#57
Fluorene
Concen: 6.698 ng
RT: 10.55 min Scan# 1397
Delta R.T. -0.02 min
Lab File: BF107779.D
Acq: 28 Jul 2018 6:57

Tgt Ion:166 Resp: 86306
Ion Ratio Lower Upper
166 100
165 95.0 79.8 119.8
167 16.0 10.6 16.0#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.49 min Scan# 1557

Delta R.T. -0.02 min

Lab File: BF107779.D

Acq: 28 Jul 2018 6:57

Instrument :

BNA_F

ClientSampleId :

MW-6B

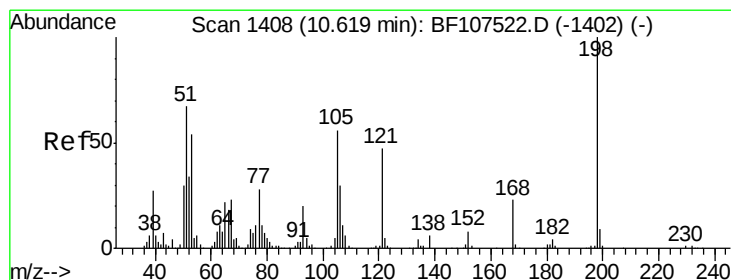
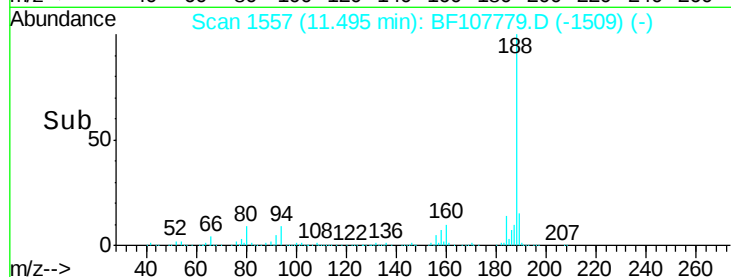
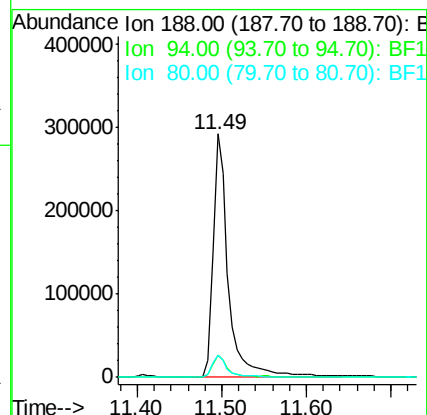
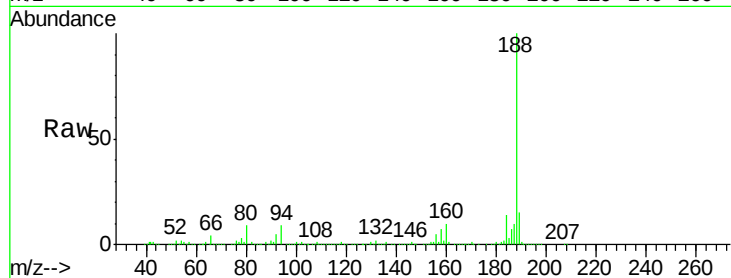
Tgt Ion:188 Resp: 373449

Ion Ratio Lower Upper

188 100

94 9.1 8.5 12.7

80 9.2 9.2 13.8#



#64

4,6-Dinitro-2-methylphenol

Concen: 8.994 ng

RT: 10.75 min Scan# 1431

Delta R.T. 0.14 min

Lab File: BF107779.D

Acq: 28 Jul 2018 6:57

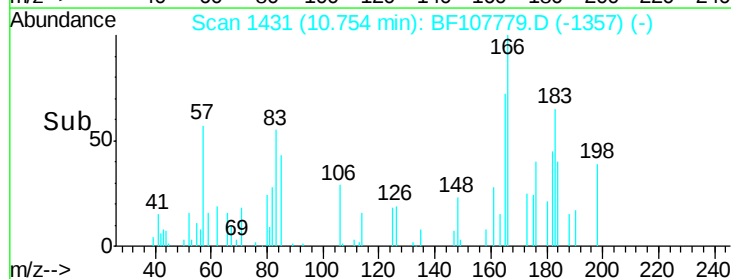
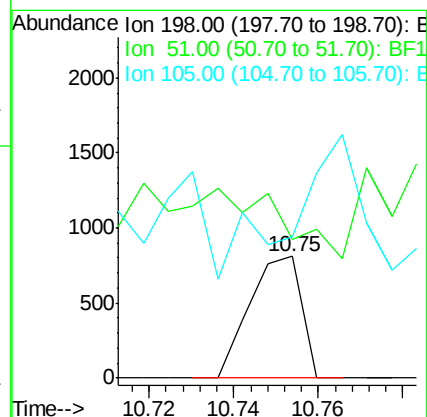
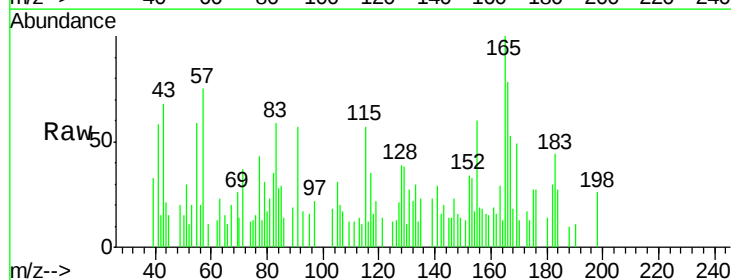
Tgt Ion:198 Resp: 690

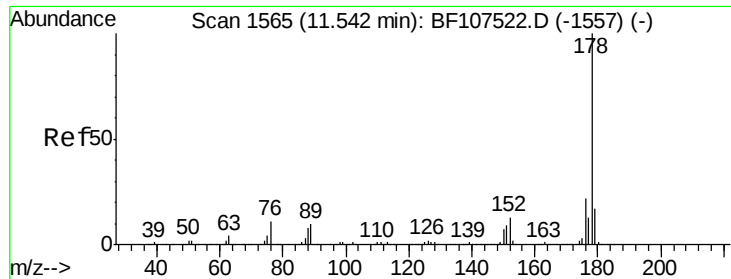
Ion Ratio Lower Upper

198 100

51 114.0 37.7 77.7#

105 116.1 36.3 76.3#

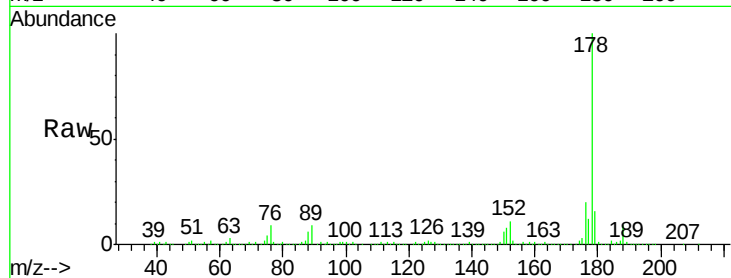




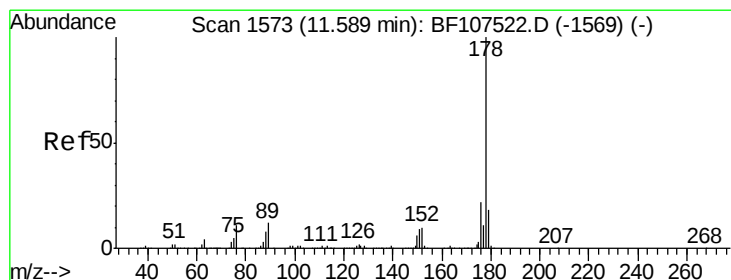
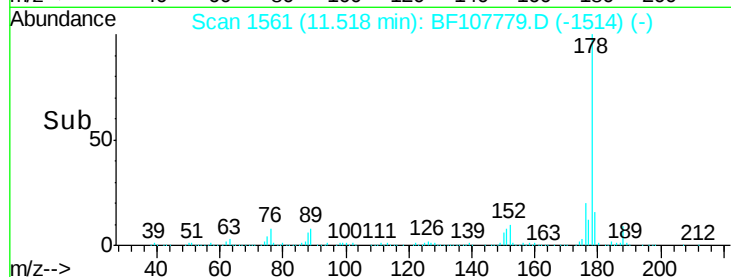
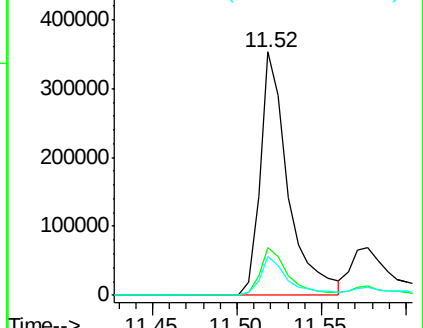
#70
Phenanthrene
Concen: 22.258 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.02 min
Lab File: BF107779.D
Acq: 28 Jul 2018 6:57

Instrument :
BNA_F
ClientSampleId :
MW-6B

Tgt Ion:178 Resp: 405050
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.8
179 15.9 13.0 19.6

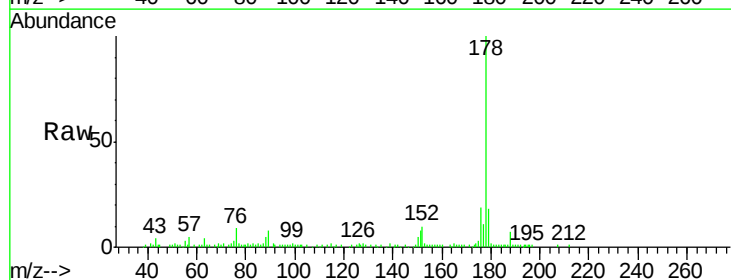


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

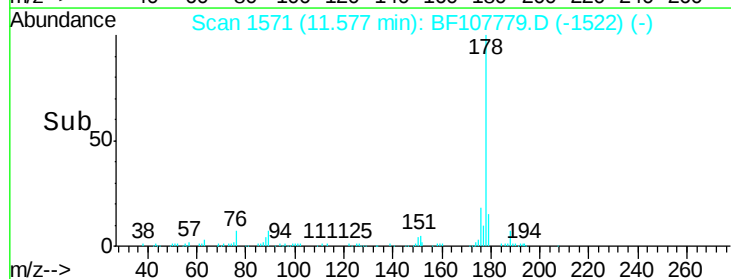
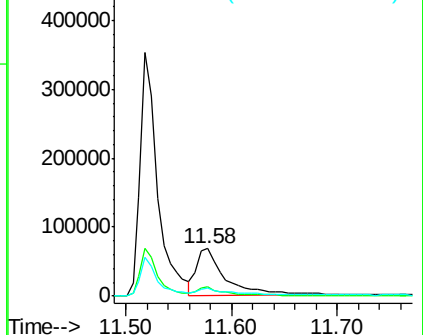


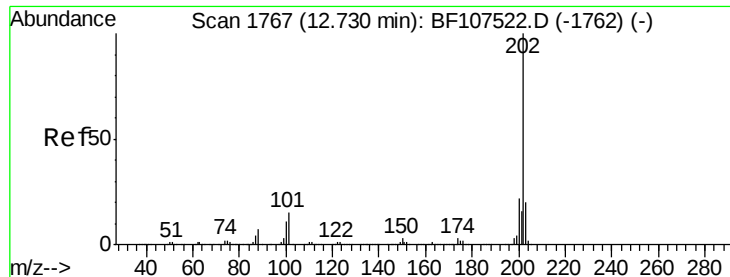
#71
Anthracene
Concen: 6.935 ng
RT: 11.58 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF107779.D
Acq: 28 Jul 2018 6:57

Tgt Ion:178 Resp: 127064
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 17.6 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





#74

Fluoranthene

Concen: 12.035 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.02 min

Lab File: BF107779.D

Acq: 28 Jul 2018 6:57

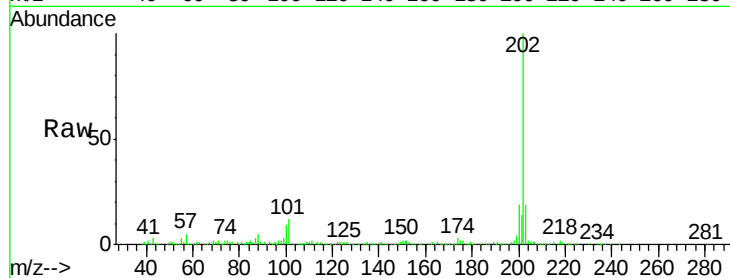
Instrument :

BNA_F

ClientSampled :

MW-6B

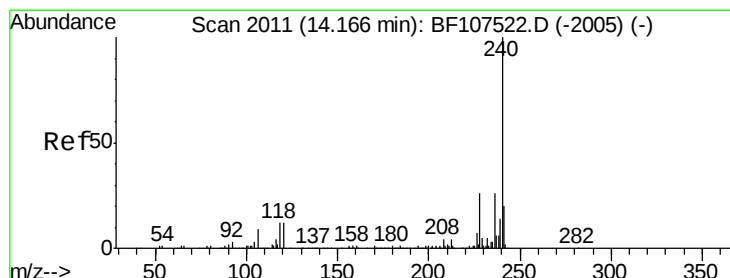
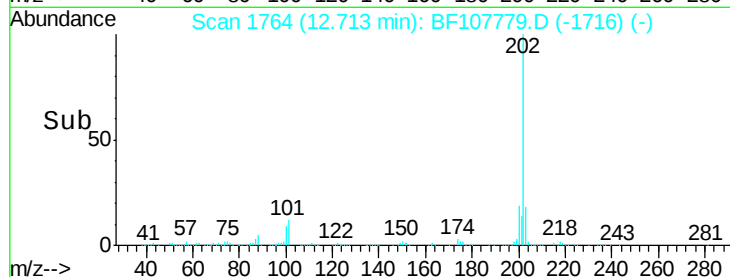
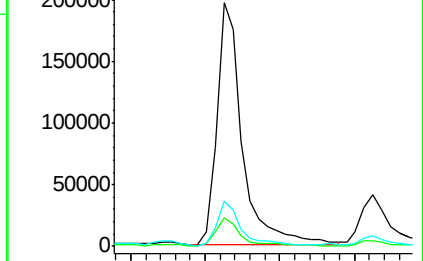
Tgt Ion:	202	Resp:	235020
Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	34.1
203	18.6	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

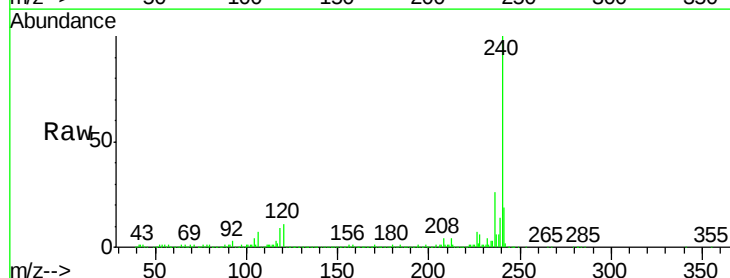
RT: 14.15 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BF107779.D

Acq: 28 Jul 2018 6:57

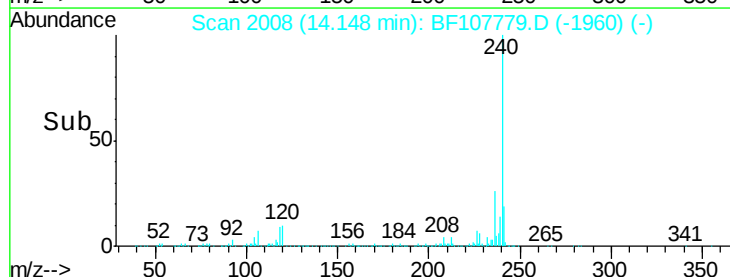
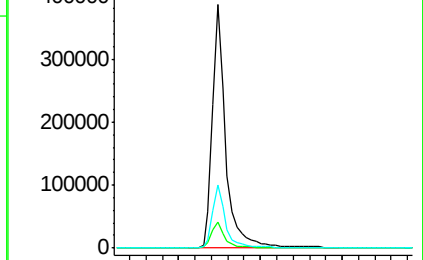
Tgt Ion:	240	Resp:	437702
Ion	Ratio	Lower	Upper
240	100		
120	10.5	9.5	14.3
236	25.8	20.7	31.1

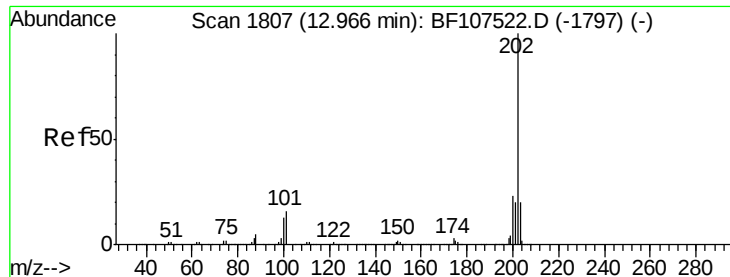


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

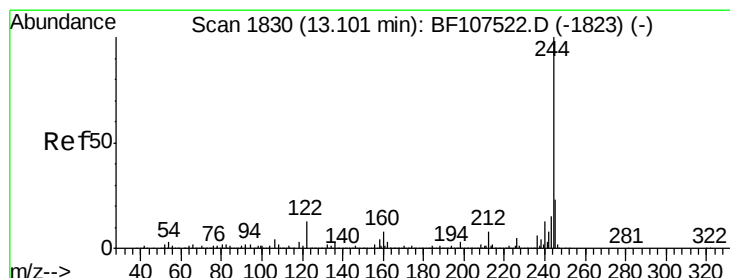
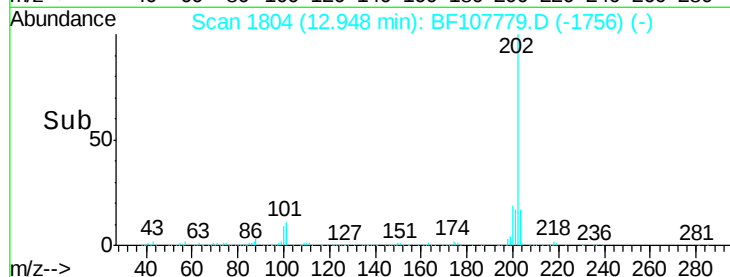
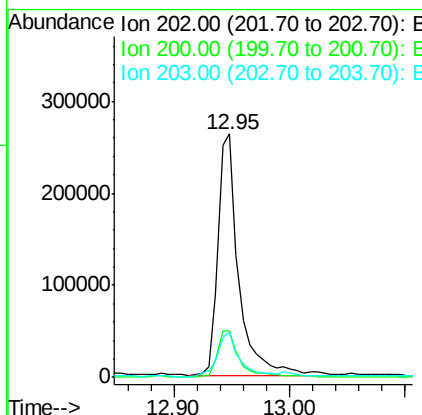
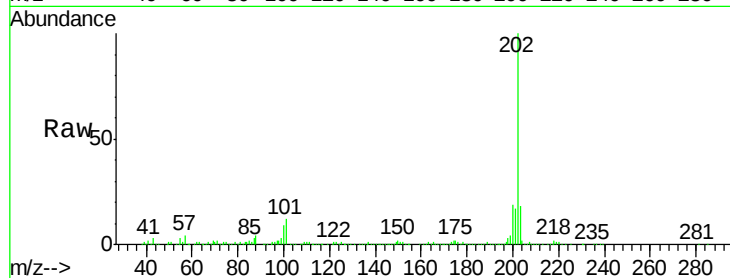




#77
 Pyrene
 Concen: 11.076 ng
 RT: 12.95 min Scan# 1804
 Delta R.T. -0.02 min
 Lab File: BF107779.D
 Acq: 28 Jul 2018 6:57

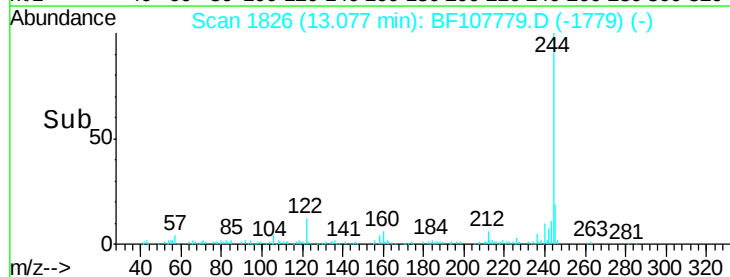
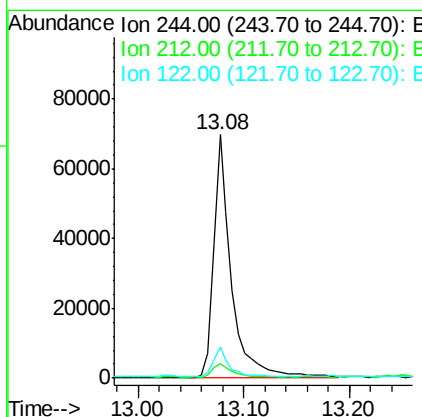
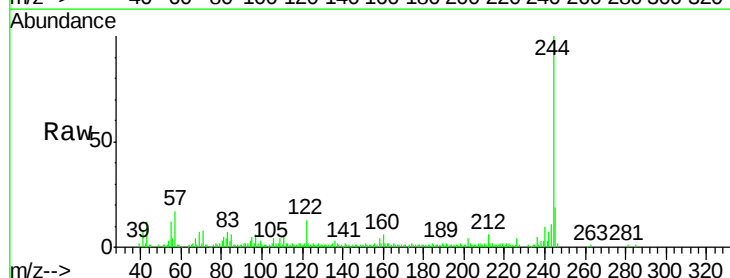
Instrument :
 BNA_F
 ClientSampleId :
 MW-6B

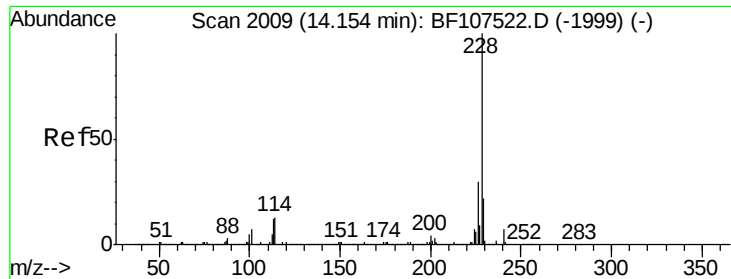
Tgt Ion: 202 Resp: 331604
 Ion Ratio Lower Upper
 202 100
 200 19.2 17.4 26.2
 203 18.4 14.3 21.5



#78
 Terphenyl-d14
 Concen: 4.879 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.02 min
 Lab File: BF107779.D
 Acq: 28 Jul 2018 6:57

Tgt Ion: 244 Resp: 83418
 Ion Ratio Lower Upper
 244 100
 212 6.0 5.4 8.0
 122 12.6 11.0 16.4

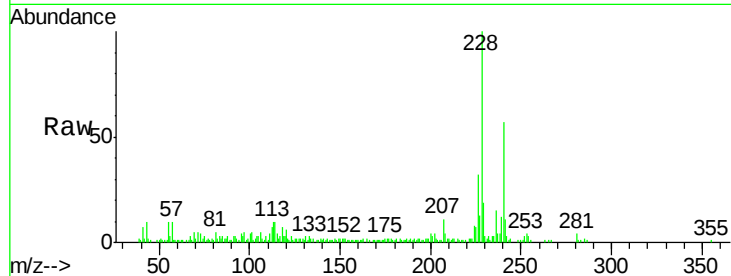




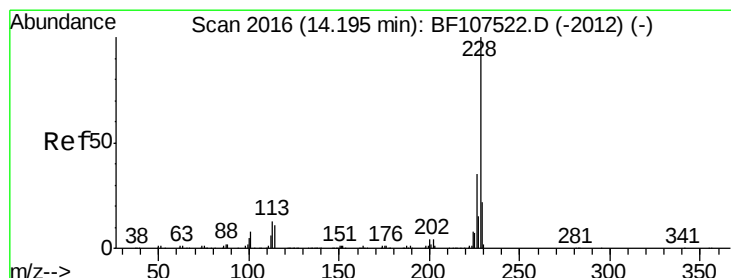
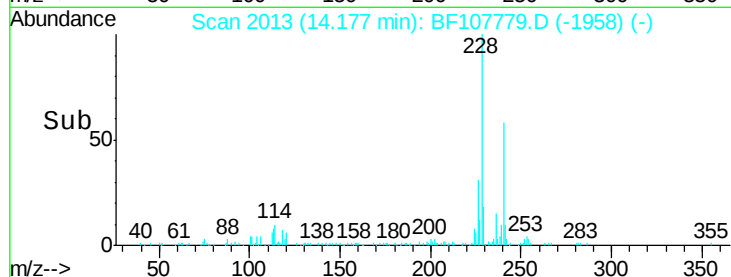
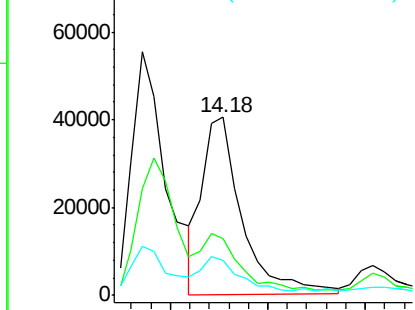
#80
Benzo(a)anthracene
Concen: 2.251 ng
RT: 14.18 min Scan# 2013
Delta R.T. 0.02 min
Lab File: BF107779.D
Acq: 28 Jul 2018 6:57

Instrument :
BNA_F
ClientSampleId :
MW-6B

Tgt Ion:228 Resp: 57733
Ion Ratio Lower Upper
228 100
226 32.0 22.6 33.8
229 19.3 15.8 23.6

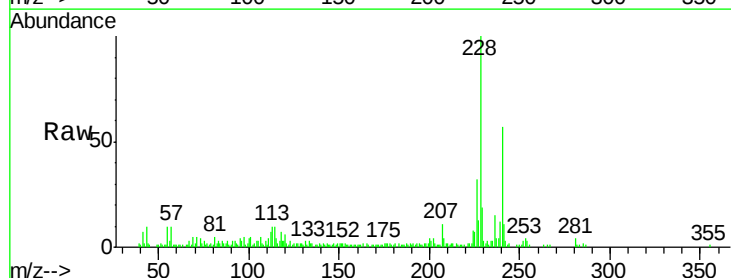


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

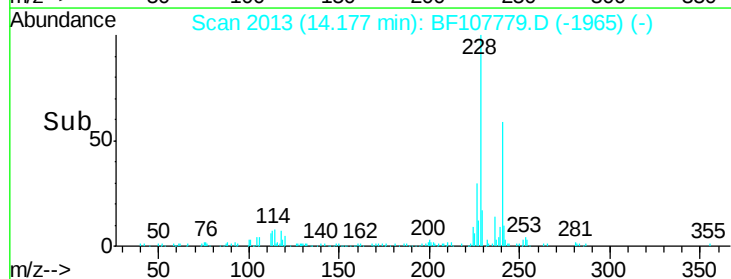
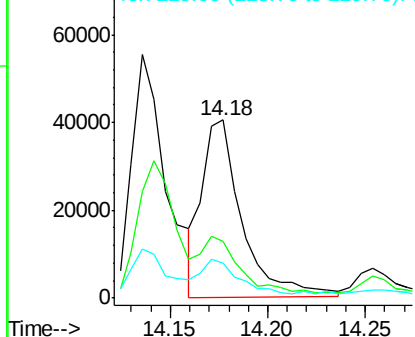


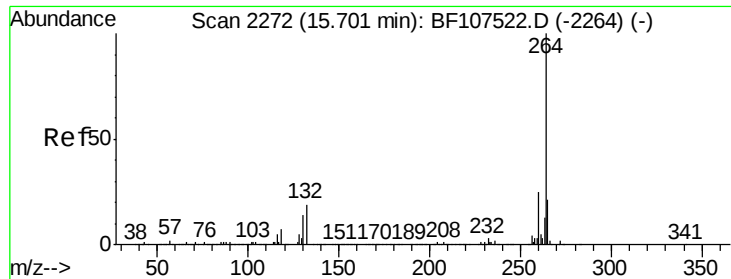
#82
Chrysene
Concen: 2.343 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.02 min
Lab File: BF107779.D
Acq: 28 Jul 2018 6:57

Tgt Ion:228 Resp: 57733
Ion Ratio Lower Upper
228 100
226 32.0 25.0 37.6
229 19.3 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



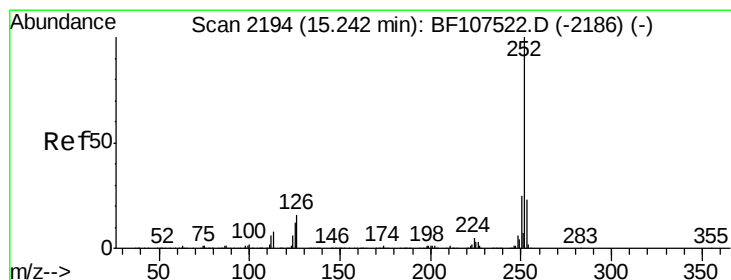
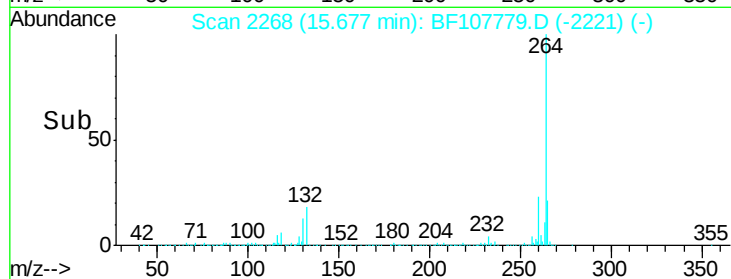
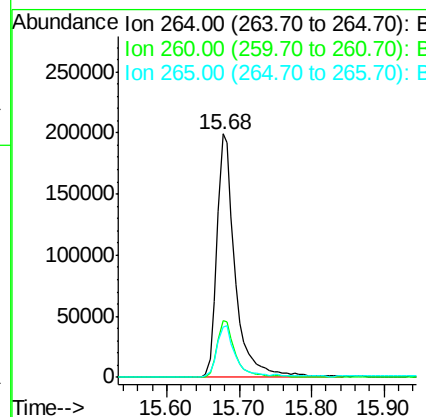
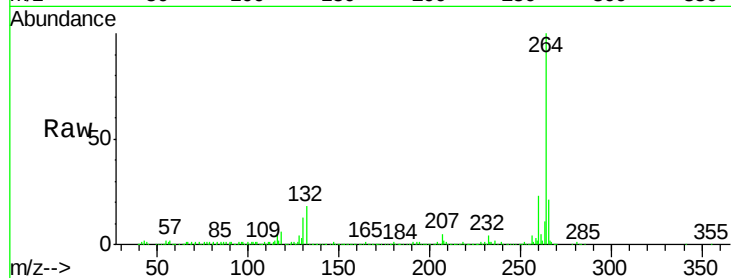


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.02 min
Lab File: BF107779.D
Acq: 28 Jul 2018 6:57

Instrument :
BNA_F
ClientSampleId :
MW-6B

Tgt Ion: 264 Resp: 350738

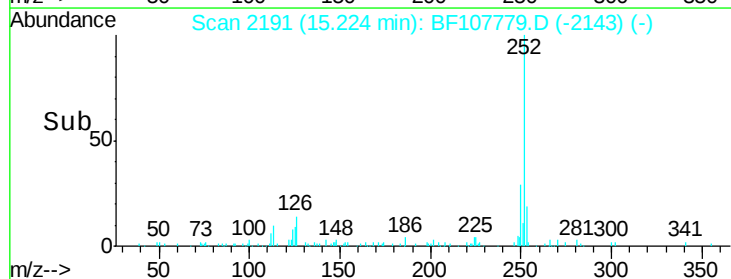
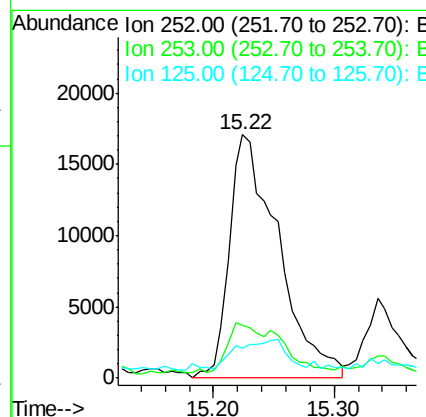
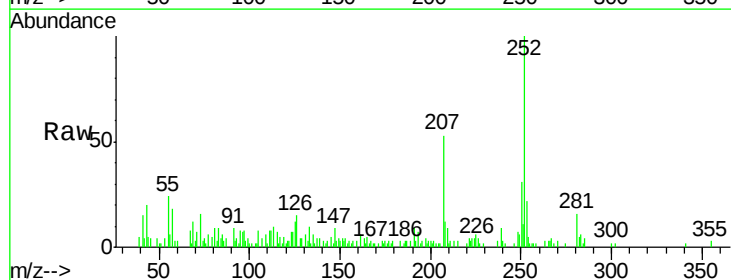
Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	20.9	17.5	26.3

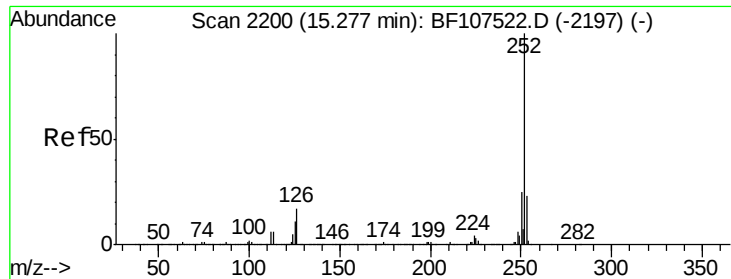


#87
Benzo(b)fluoranthene
Concen: 2.502 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.02 min
Lab File: BF107779.D
Acq: 28 Jul 2018 6:57

Tgt Ion: 252 Resp: 48034

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.6
125	12.3	9.0	13.6

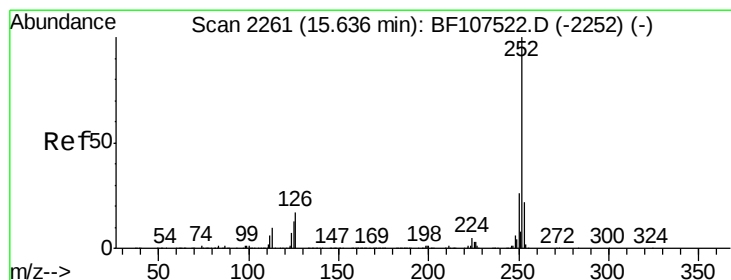
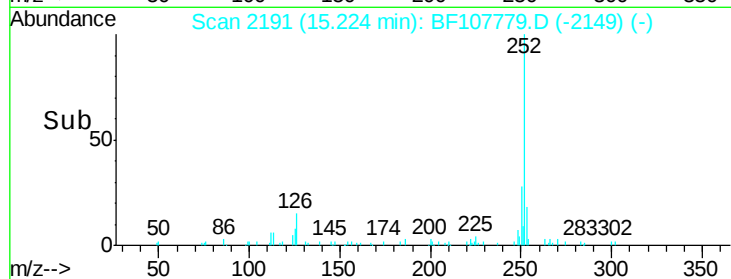
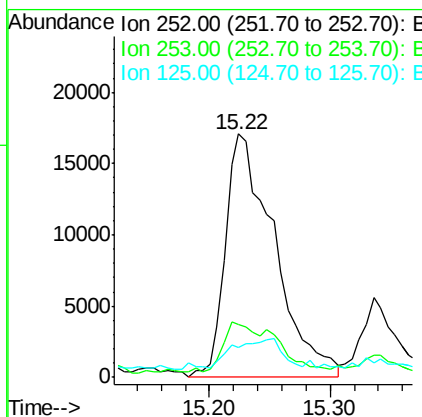
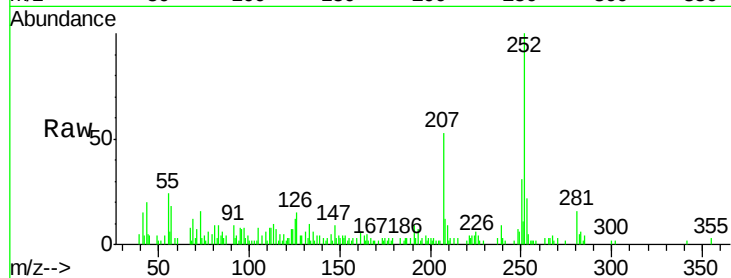




#88
Benzo(k)fluoranthene
Concen: 2.554 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.05 min
Lab File: BF107779.D
Acq: 28 Jul 2018 6:57

Instrument :
BNA_F
ClientSampleId :
MW-6B

Tgt Ion:252 Resp: 48034
Ion Ratio Lower Upper
252 100
253 21.9 17.9 26.9
125 12.3 10.2 15.2



#89
Benzo(a)pyrene
Concen: 2.209 ng
RT: 15.61 min Scan# 2257
Delta R.T. -0.02 min
Lab File: BF107779.D
Acq: 28 Jul 2018 6:57

Tgt Ion:252 Resp: 38794
Ion Ratio Lower Upper
252 100
253 23.5 17.1 25.7
125 13.6 9.8 14.6

