

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062518\
 Data File : BF106789.D
 Acq On : 25 Jun 2018 23:14
 Operator : JU/SJ
 Sample : J3626-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 26 02:11:31 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 25 18:50:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	47716	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	171260	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	76392	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	140875	20.00	ng	0.00
75) Chrysene-d12	14.15	240	122468	20.00	ng	-0.01
86) Perylene-d12	15.69	264	92313	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	252400	89.57	ng	0.00
7) Phenol-d6	6.61	99	344778	97.98	ng	0.00
23) Nitrobenzene-d5	7.52	82	209704	68.05	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	69568	78.57	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	383768	85.04	ng	0.00
78) Terphenyl-d14	13.08	244	420568	83.18	ng	0.00

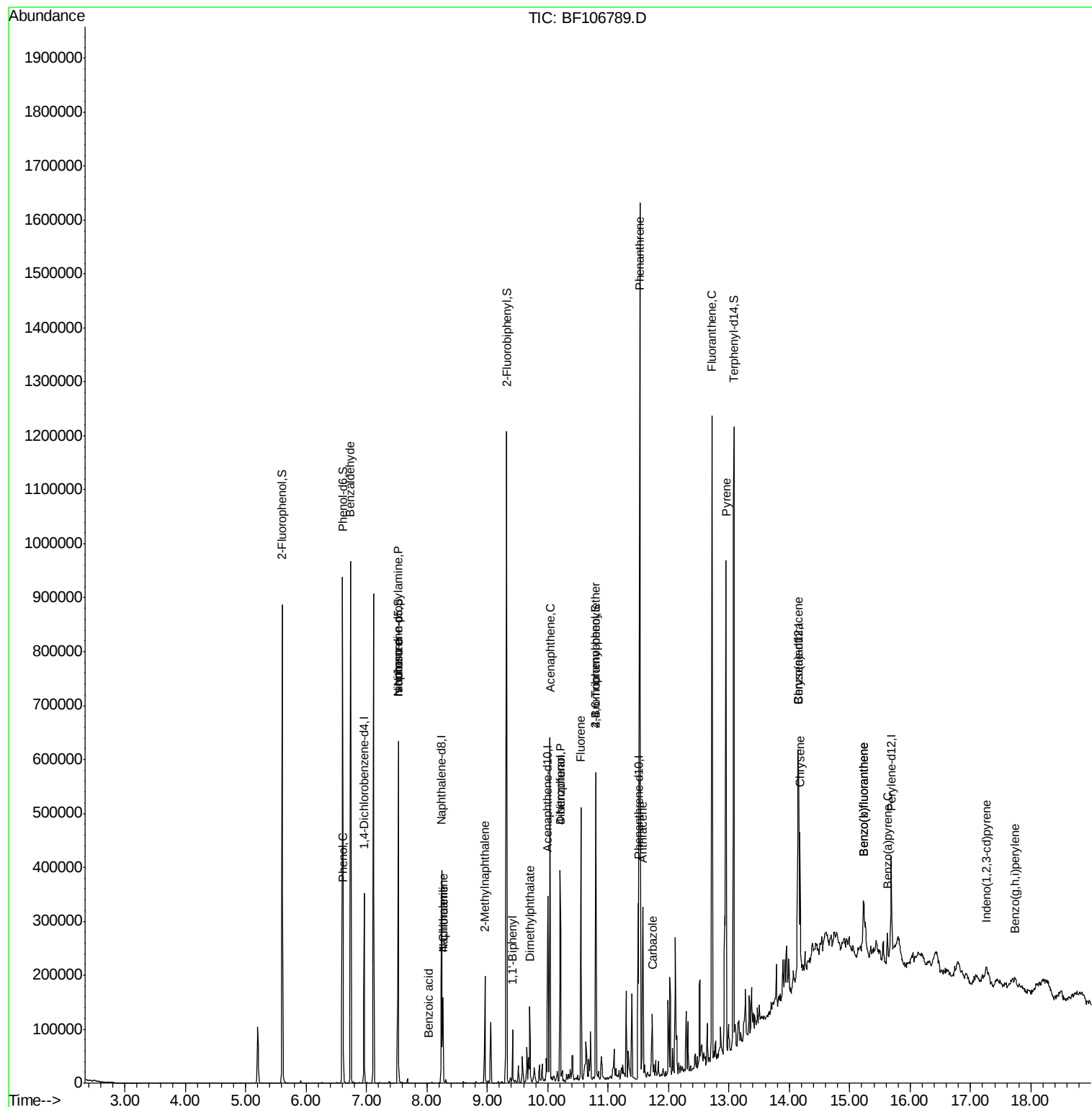
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.74	77	6044	2.049	ng	87
10) Phenol	6.62	94	10467	2.606	ng	97
19) n-Nitroso-di-n-propylamine	7.52	70	26562	11.451	ng	# 73
20) 3+4-Methylphenols	7.38	107	1852	Below Cal		88
25) Isophorone	7.52	82	209702	38.617	ng	# 64
31) Naphthalene	8.27	128	65840	8.223	ng	99
32) Benzoic acid	8.03	122	115	5.792	ng	# 1
33) 4-Chloroaniline	8.27	127	8067	2.401	ng	# 32
37) 2-Methylnaphthalene	8.96	142	60950	11.484	ng	95
45) 1,1'-Biphenyl	9.42	154	29297	4.812	ng	97
49) Dimethylphthalate	9.71	163	47592	8.306	ng	# 98
51) Acenaphthene	10.04	154	127184	26.695	ng	98
54) Dibenzofuran	10.21	168	156182	23.940	ng	96
55) 4-Nitrophenol	10.21	139	52608	53.984	ng	# 10
57) Fluorene	10.55	166	133724	25.831	ng	99
66) 4-Bromophenyl-phenylether	10.80	248	4213	2.506	ng	# 1
70) Phenanthrene	11.53	178	732548	107.812	ng	99
71) Anthracene	11.58	178	130185	18.771	ng	99
72) Carbazole	11.73	167	46068	7.095	ng	97
74) Fluoranthene	12.72	202	580614	77.528	ng	93
77) Pyrene	12.95	202	432059	53.500	ng	99
80) Benzo(a)anthracene	14.14	228	113437	15.198	ng	99
82) Chrysene	14.18	228	103103	15.015	ng	97
85) Indeno(1,2,3-cd)pyrene	17.26	276	14644	2.513	ng	# 86
87) Benzo(b)fluoranthene	15.23	252	84572	14.748	ng	97
88) Benzo(k)fluoranthene	15.23	252	84572	15.487	ng	97
89) Benzo(a)pyrene	15.62	252	31149	6.110	ng	# 92
91) Benzo(g,h,i)perylene	17.74	276	12640	2.993	ng	93

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

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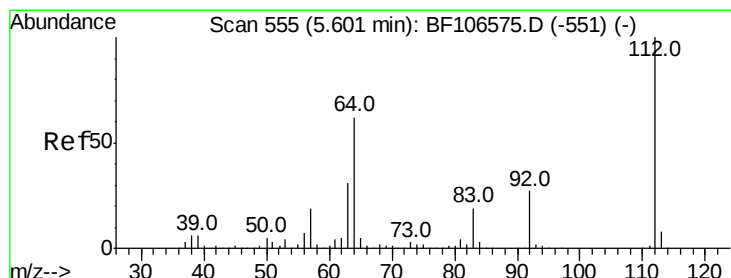
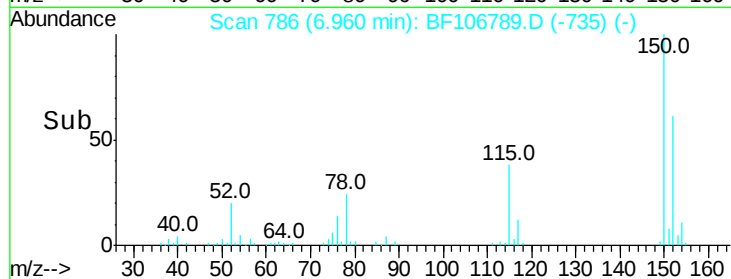
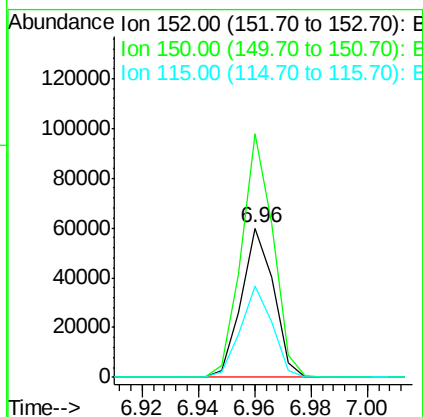
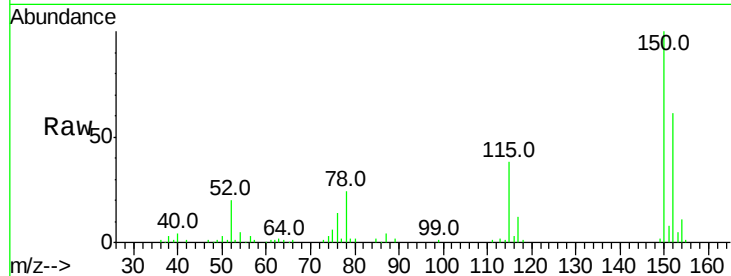


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF106789.D
Acq: 25 Jun 2018 23:14

Instrument :
BNA_F
ClientSampleId :

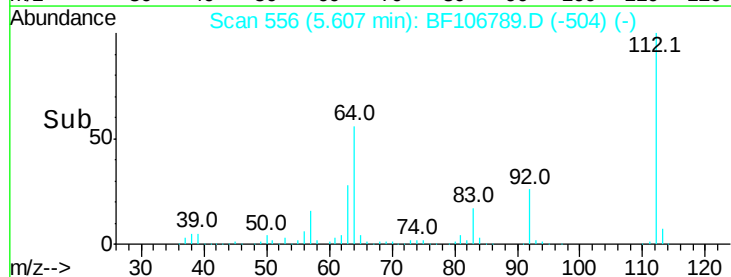
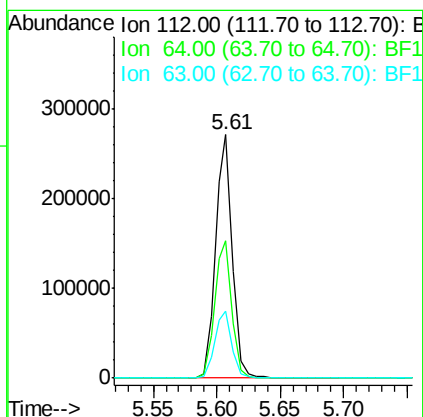
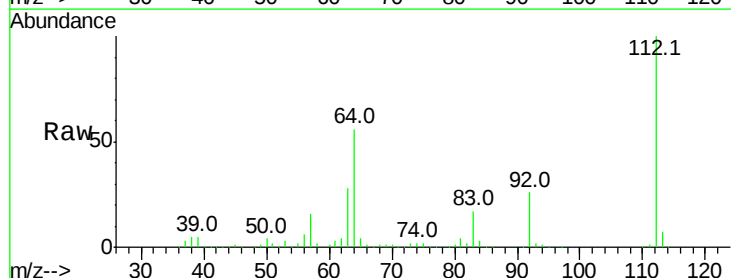
Tot Ion:152 Resp: 47716
Ion Ratio Lower Upper
152 100
150 162.9 124.6 186.8
115 61.4 50.1 75.1

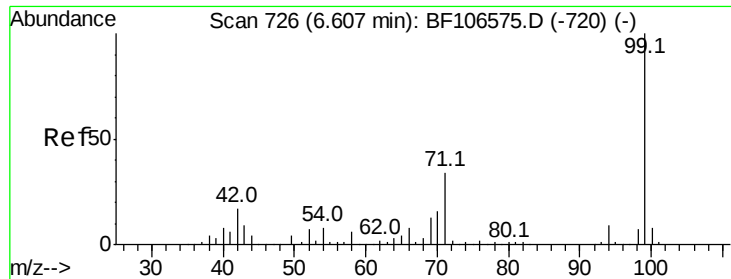


#5

2-Fluorophenol
Concen: 89.570 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF106789.D
Acq: 25 Jun 2018 23:14

Tgt Ion:112 Resp: 252400
Ion Ratio Lower Upper
112 100
64 56.4 47.9 71.9
63 27.6 23.7 35.5





#7

Phenol-d6

Concen: 97.976 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF106789.D

Acq: 25 Jun 2018 23:14

Instrument :

BNA_F

ClientSampleId :

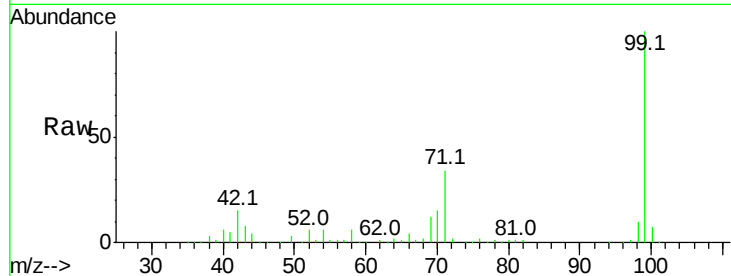
Tot Ion: 99 Resp: 344778

Ion Ratio Lower Upper

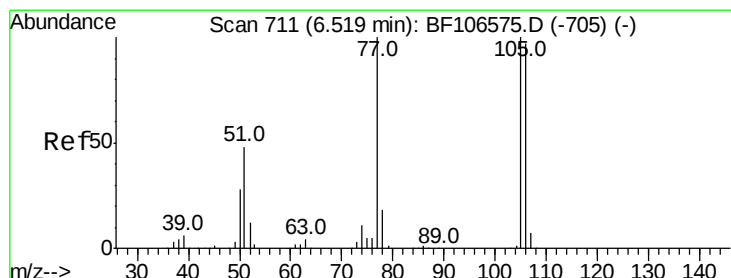
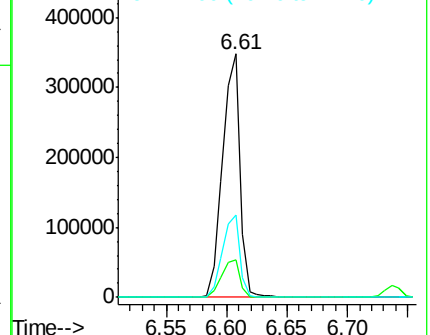
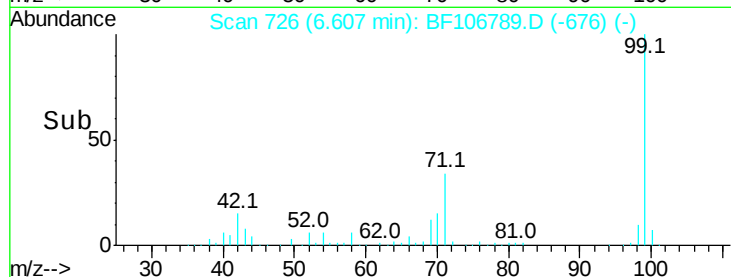
99 100

42 15.5 14.5 21.7

71 33.6 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



#9

Benzaldehyde

Concen: 2.049 ng

RT: 6.74 min Scan# 748

Delta R.T. 0.22 min

Lab File: BF106789.D

Acq: 25 Jun 2018 23:14

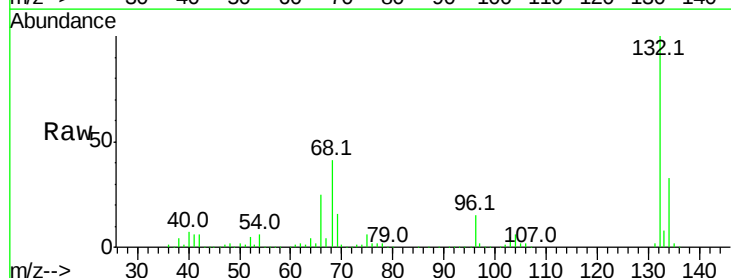
Tgt Ion: 77 Resp: 6044

Ion Ratio Lower Upper

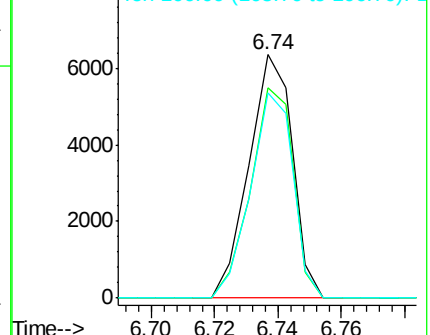
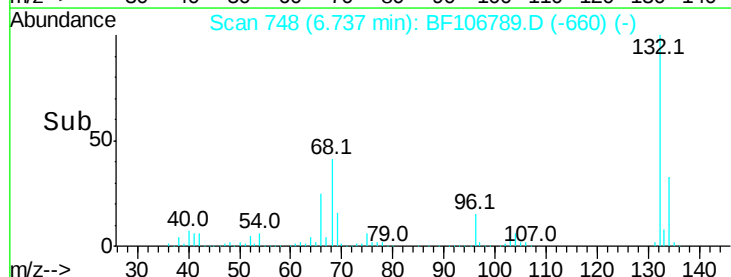
77 100

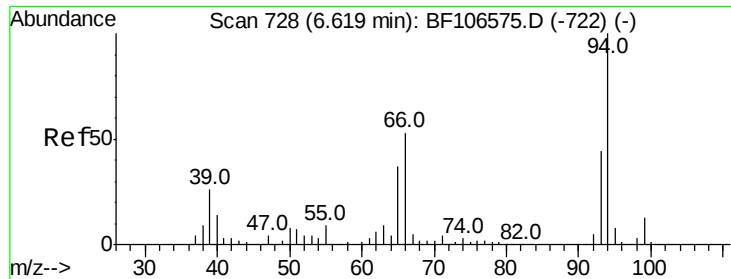
105 86.5 81.1 121.1

106 84.3 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 2.606 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF106789.D

Acq: 25 Jun 2018 23:14

Instrument :

BNA_F

ClientSampleId :

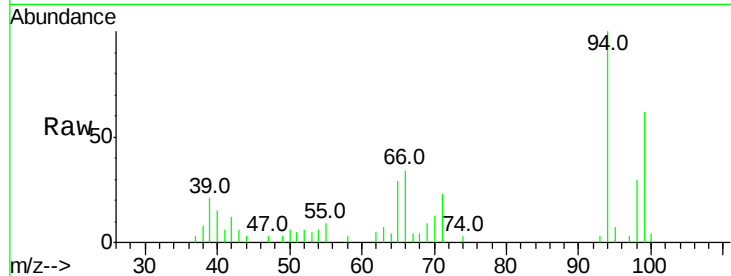
Tot Ion: 94 Resp: 10467

Ion Ratio Lower Upper

94 100

65 28.6 7.9 47.9

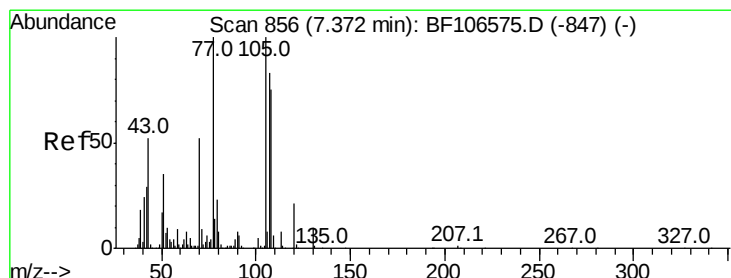
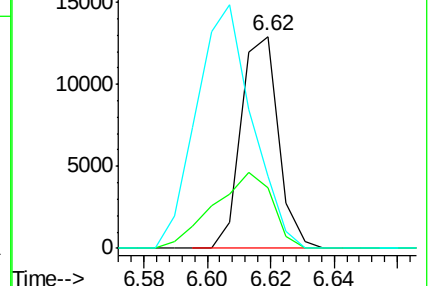
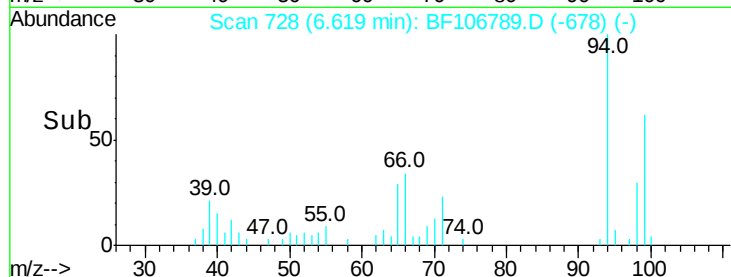
66 33.9 16.2 56.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 11.451 ng

RT: 7.52 min Scan# 882

Delta R.T. 0.14 min

Lab File: BF106789.D

Acq: 25 Jun 2018 23:14

Tgt Ion: 70 Resp: 26562

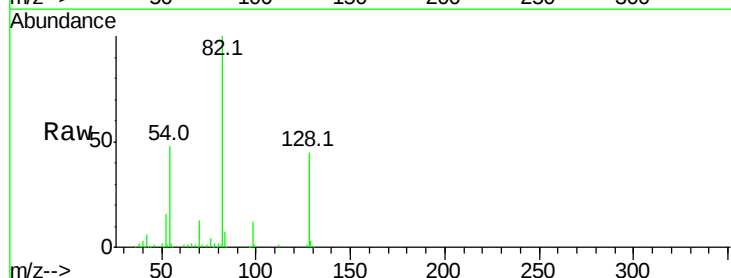
Ion Ratio Lower Upper

70 100

42 42.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

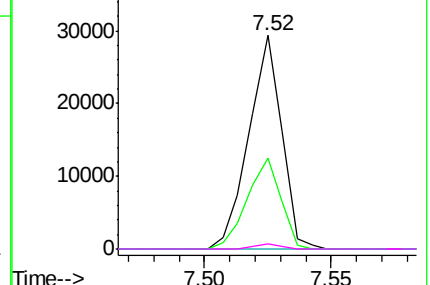
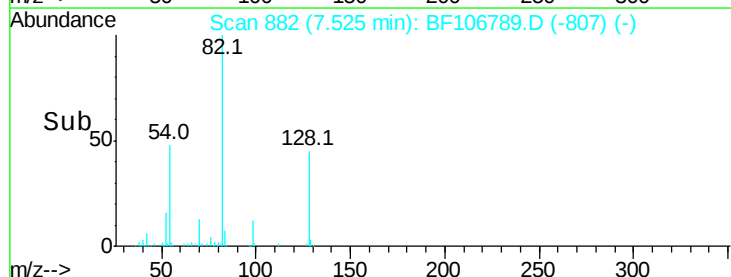


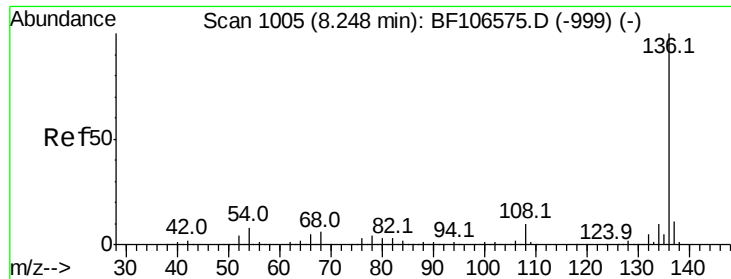
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

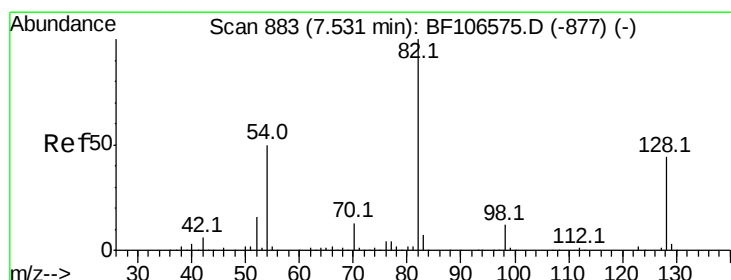
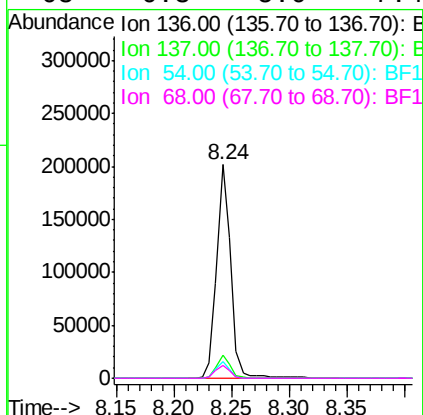
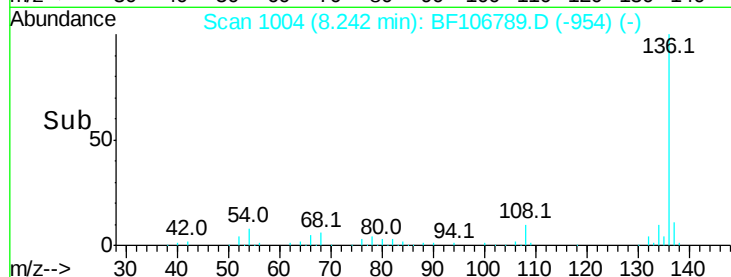
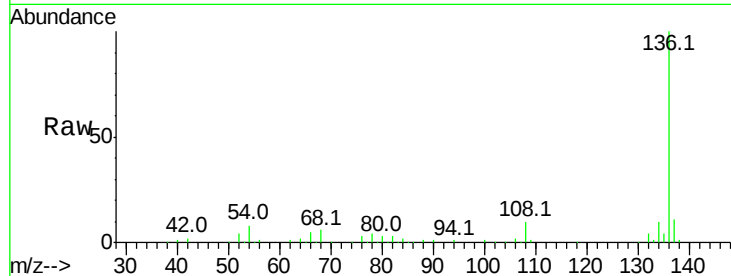




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF106789.D
Acq: 25 Jun 2018 23:14

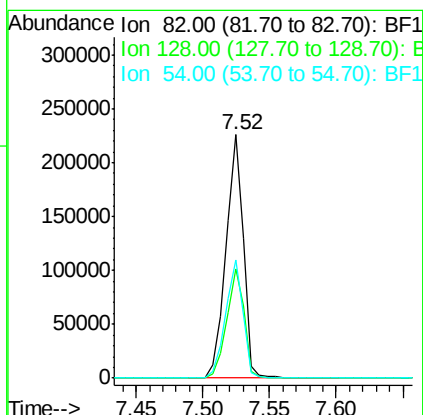
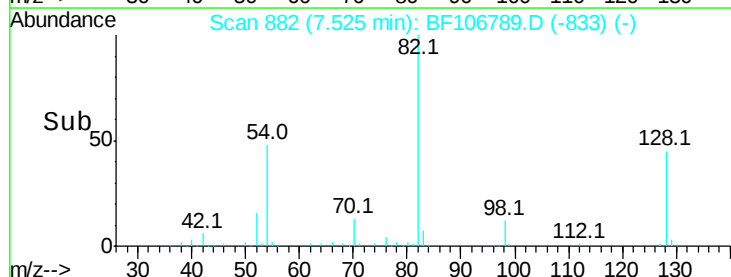
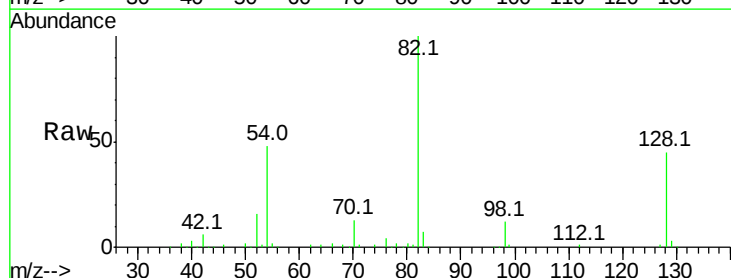
Instrument :
BNA_F
ClientSampleId :

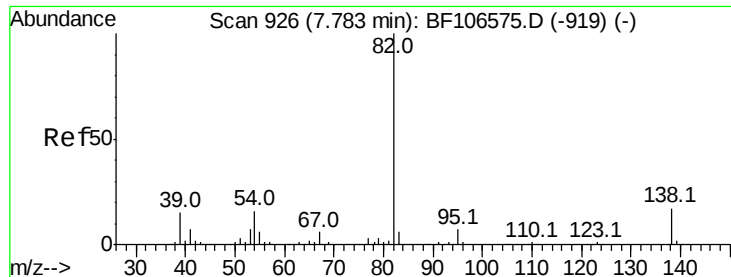
Tot Ion:	136	Resp:	171260
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	7.9	6.6	9.8
68	6.3	5.0	7.4



#23
Nitrobenzene-d5
Concen: 68.049 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF106789.D
Acq: 25 Jun 2018 23:14

Tgt Ion:	82	Resp:	209704
Ion	Ratio	Lower	Upper
82	100		
128	44.6	36.1	54.1
54	48.4	41.4	62.2





#25

Isophorone

Concen: 38.617 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF106789.D

Acq: 25 Jun 2018 23:14

Instrument :

BNA_F

ClientSampleId :

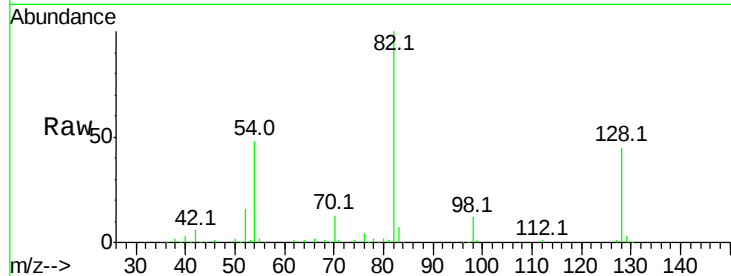
Tot Ion: 82 Resp: 209702

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

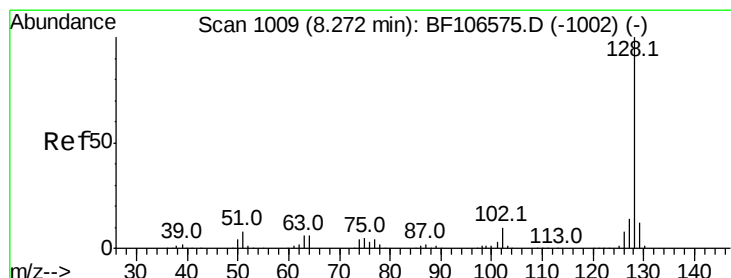
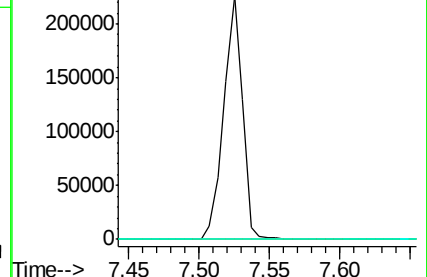
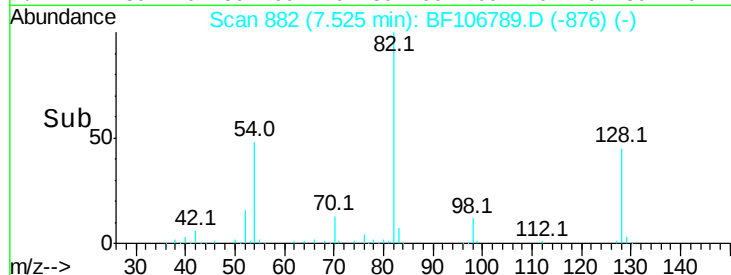
138 0.0 14.9 22.3#



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



#31

Naphthalene

Concen: 8.223 ng

RT: 8.27 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF106789.D

Acq: 25 Jun 2018 23:14

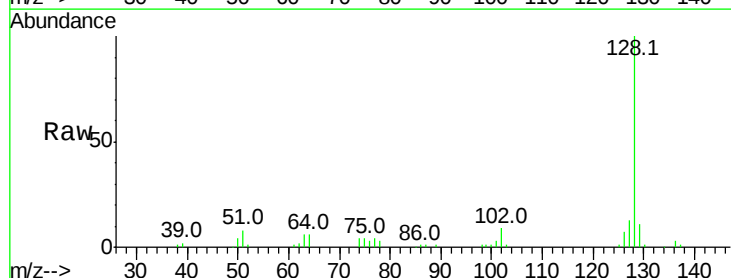
Tgt Ion: 128 Resp: 65840

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

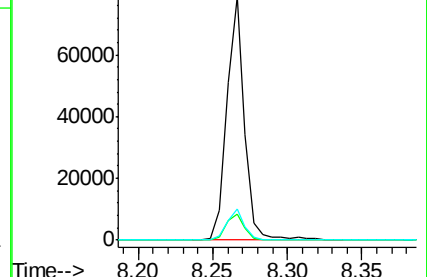
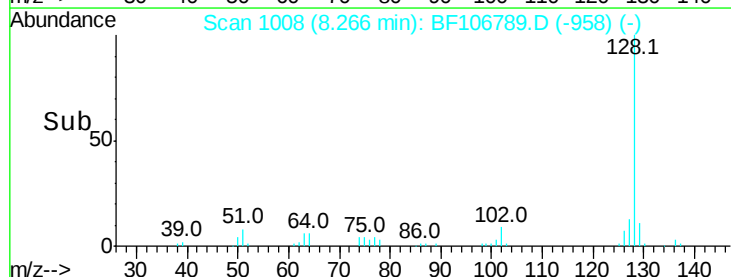
127 12.8 10.9 16.3

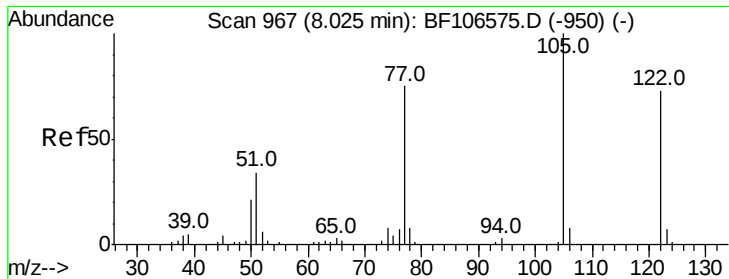


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

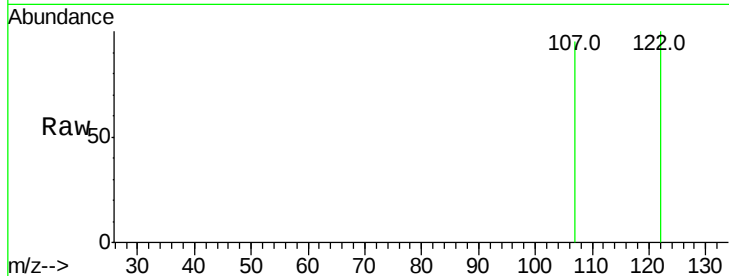




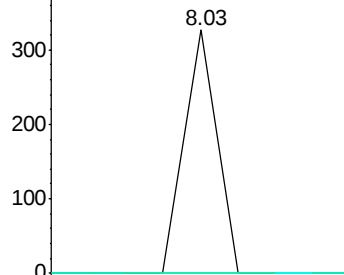
#32
Benzoic acid
Concen: 5.792 ng
RT: 8.03 min Scan# 968
Delta R.T. -0.01 min
Lab File: BF106789.D
Acq: 25 Jun 2018 23:14

Instrument :
BNA_F
ClientSampleId :

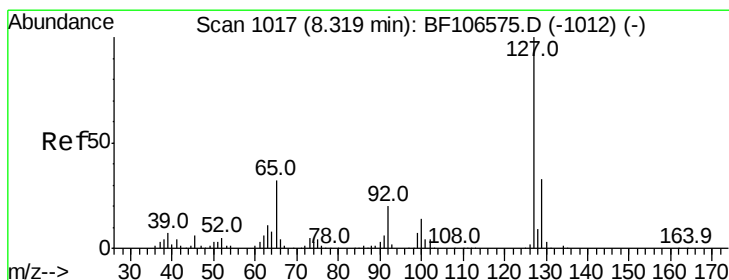
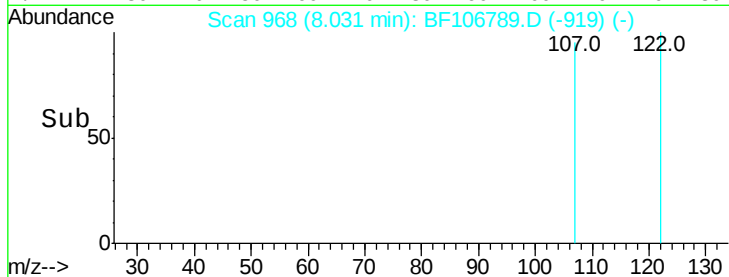
Tot Ion:122 Resp: 115
Ion Ratio Lower Upper
122 100
105 0.0 101.1 141.1#
77 0.0 70.7 110.7#



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

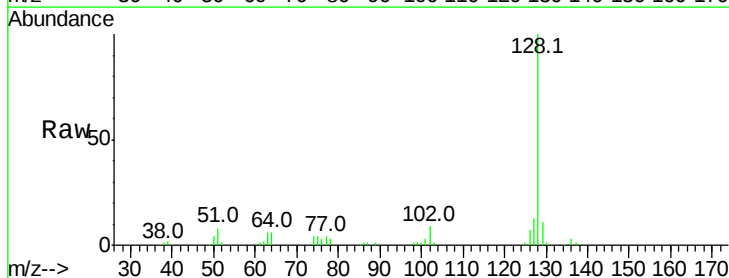


Time--> 8.01 8.02 8.03 8.04 8.05

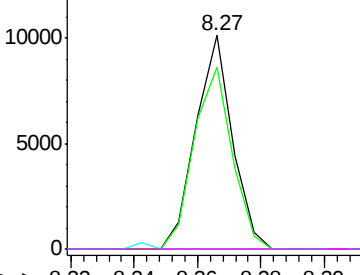


#33
4-Chloroaniline
Concen: 2.401 ng
RT: 8.27 min Scan# 1008
Delta R.T. -0.05 min
Lab File: BF106789.D
Acq: 25 Jun 2018 23:14

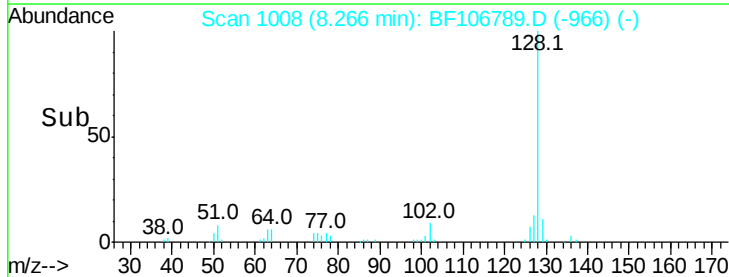
Tgt Ion:127 Resp: 8067
Ion Ratio Lower Upper
127 100
129 85.0 25.9 38.9#
65 0.0 25.0 37.4#
92 0.0 15.2 22.8#

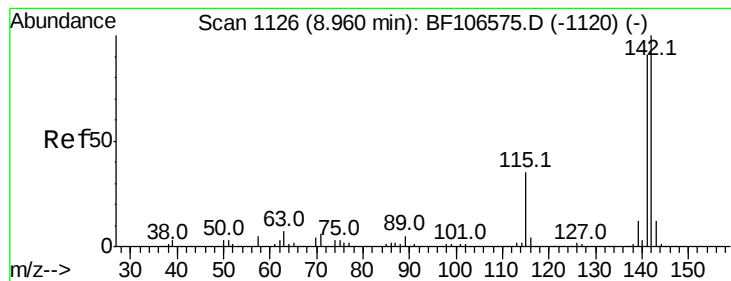


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1



Time--> 8.22 8.24 8.26 8.28 8.30

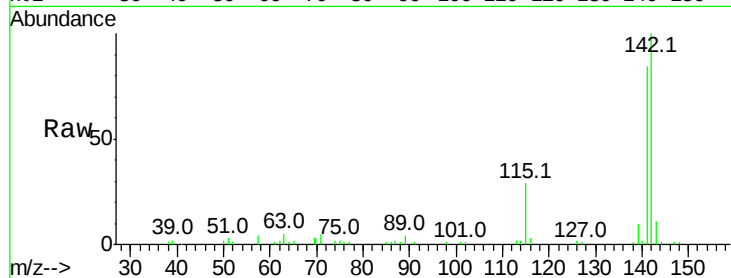




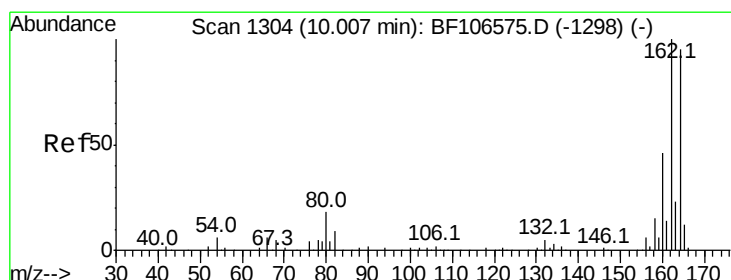
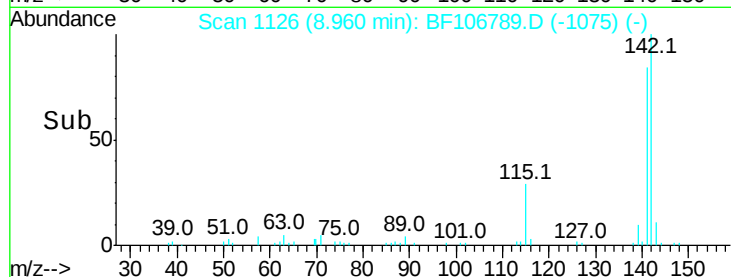
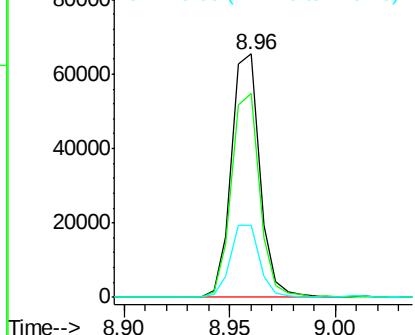
#37
 2-Methylnaphthalene
 Concen: 11.484 ng
 RT: 8.96 min Scan# 1126
 Delta R.T. 0.00 min
 Lab File: BF106789.D
 Acq: 25 Jun 2018 23:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:142 Resp: 60950
 Ion Ratio Lower Upper
 142 100
 141 83.7 70.8 106.2
 115 29.5 26.1 39.1

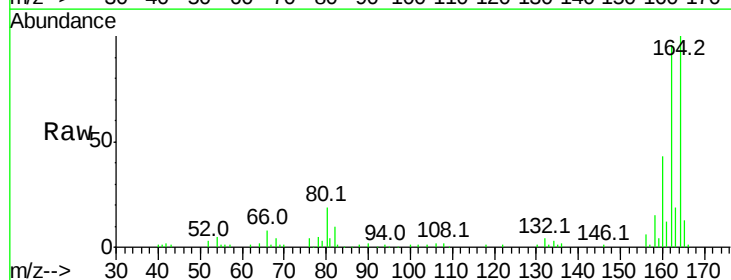


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

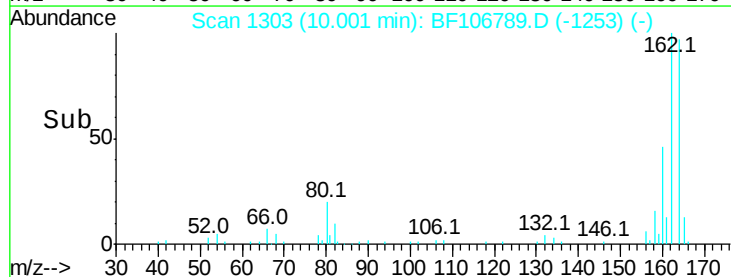
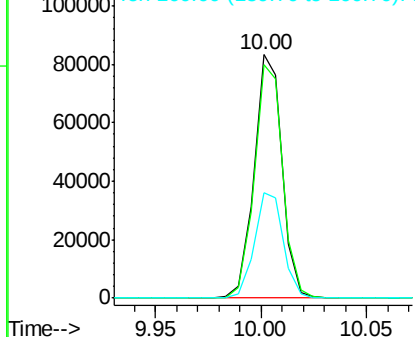


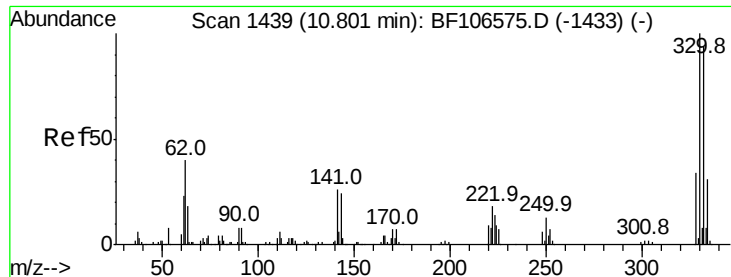
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: BF106789.D
 Acq: 25 Jun 2018 23:14

Tgt Ion:164 Resp: 76392
 Ion Ratio Lower Upper
 164 100
 162 95.6 86.1 129.1
 160 43.4 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: 78.572 ng

RT: 10.80 min Scan# 1439

Delta R.T. 0.00 min

Lab File: BF106789.D

Acq: 25 Jun 2018 23:14

Instrument :

BNA_F

ClientSampled :

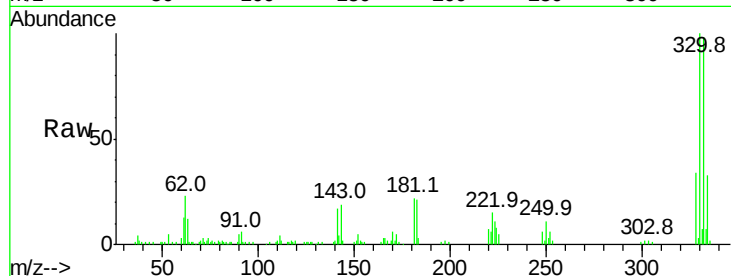
Tot Ion:330 Resp: 69568

Ion Ratio Lower Upper

330 100

332 97.2 77.0 115.6

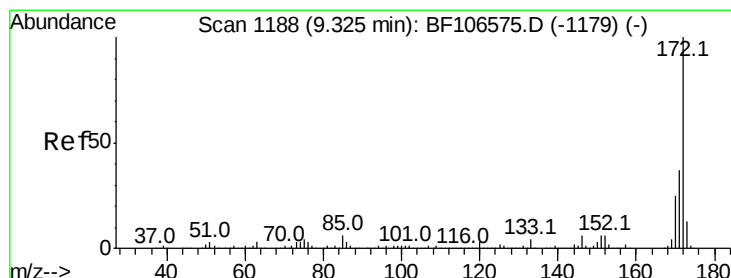
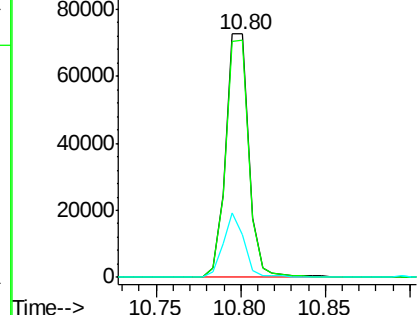
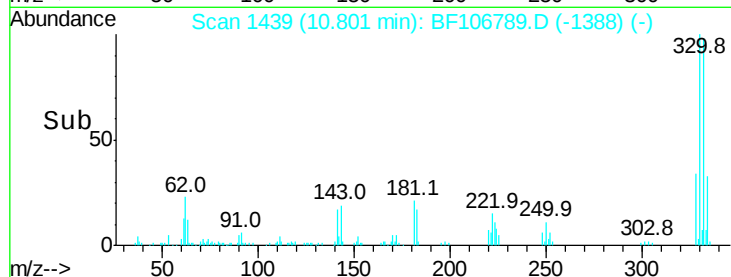
141 24.0 29.9 44.9#



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



#44

2-Fluorobiphenyl

Concen: 85.039 ng

RT: 9.32 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BF106789.D

Acq: 25 Jun 2018 23:14

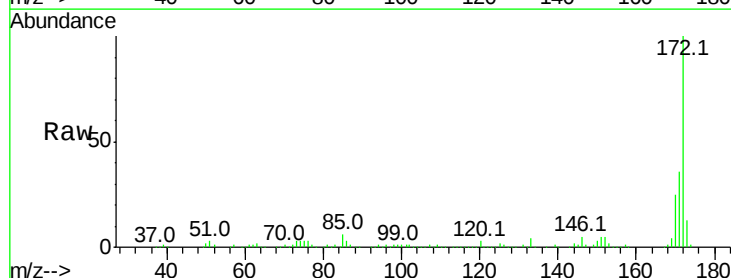
Tgt Ion:172 Resp: 383768

Ion Ratio Lower Upper

172 100

171 36.2 29.7 44.5

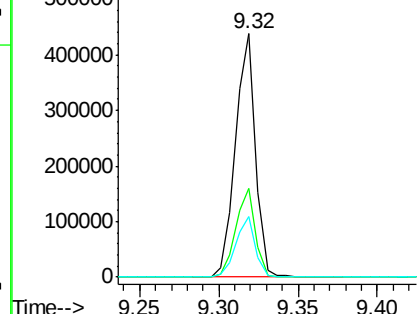
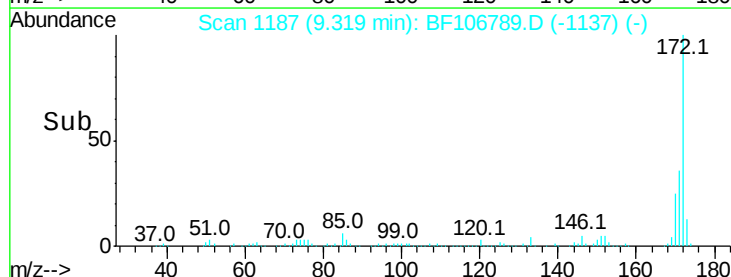
170 24.8 19.6 29.4

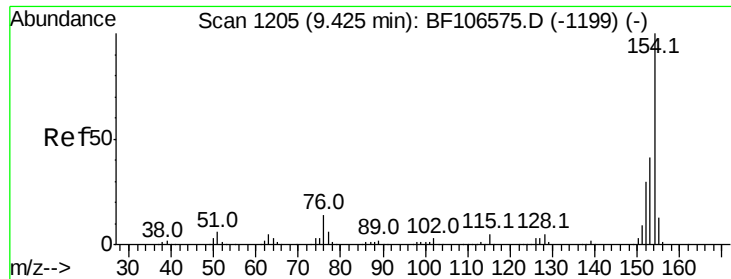


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 4.812 ng

RT: 9.42 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF106789.D

Acq: 25 Jun 2018 23:14

Instrument :

BNA_F

ClientSampleId :

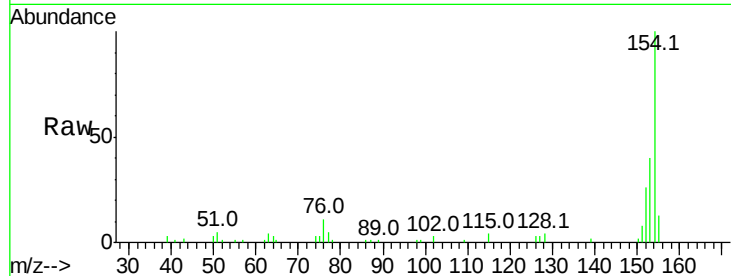
Tot Ion:154 Resp: 29297

Ion Ratio Lower Upper

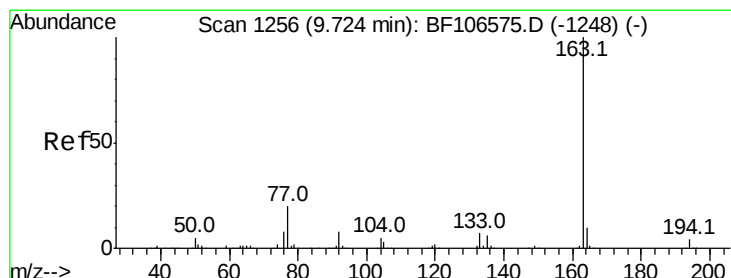
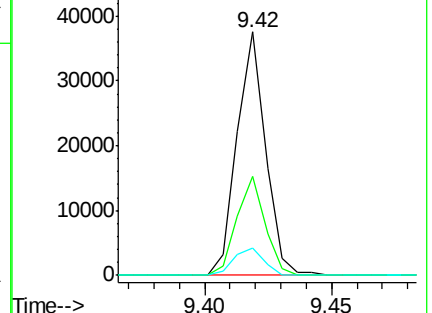
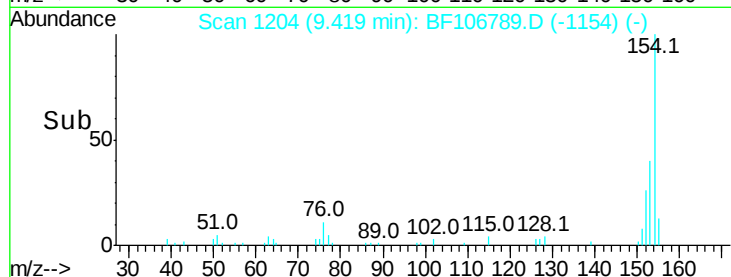
154 100

153 40.5 21.3 61.3

76 11.1 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1



#49

Dimethylphthalate

Concen: 8.306 ng

RT: 9.71 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF106789.D

Acq: 25 Jun 2018 23:14

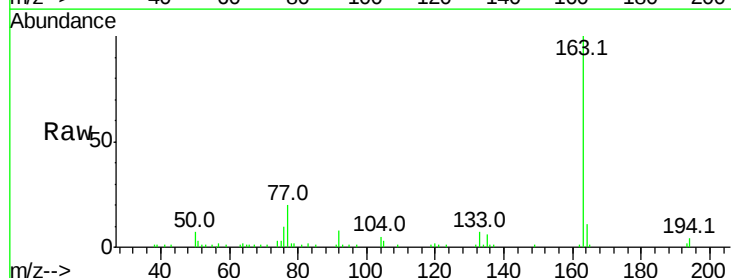
Tgt Ion:163 Resp: 47592

Ion Ratio Lower Upper

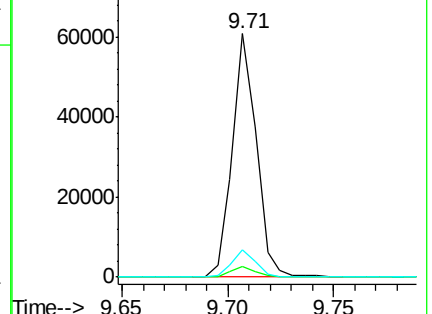
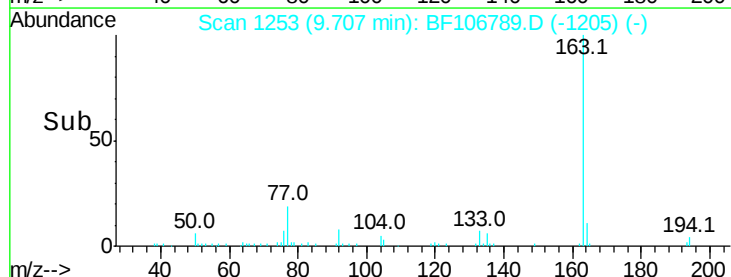
163 100

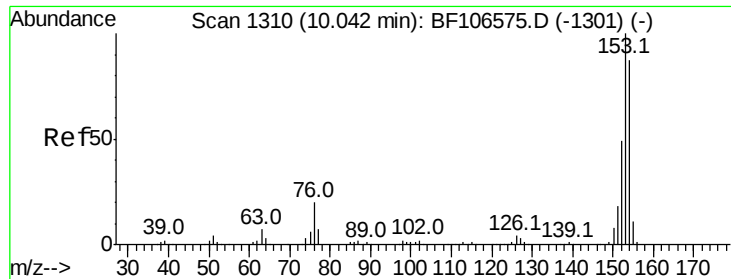
194 4.4 2.7 4.1#

164 11.0 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: 26.695 ng

RT: 10.04 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF106789.D

Acq: 25 Jun 2018 23:14

Instrument :

BNA_F

ClientSampleId :

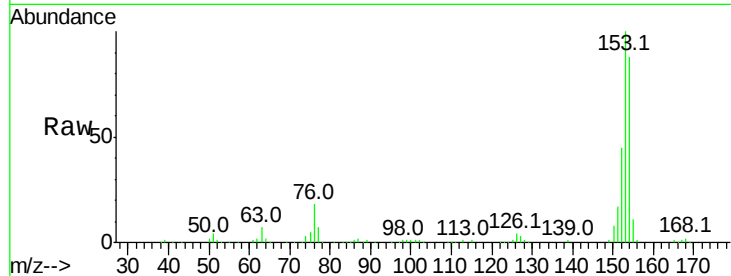
Tot Ion:154 Resp: 127184

Ion Ratio Lower Upper

154 100

153 113.2 91.2 136.8

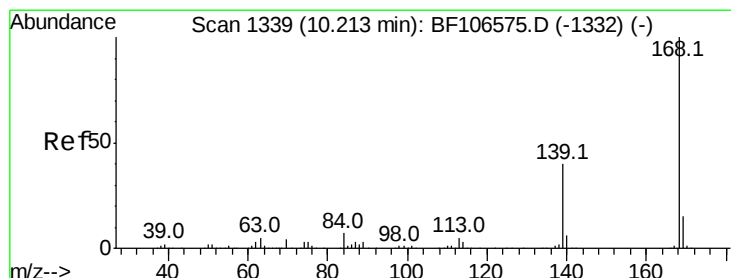
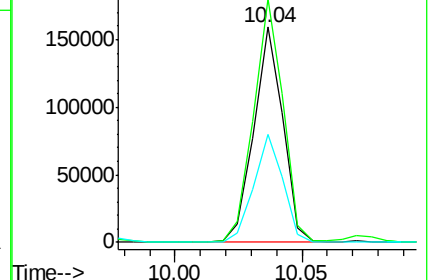
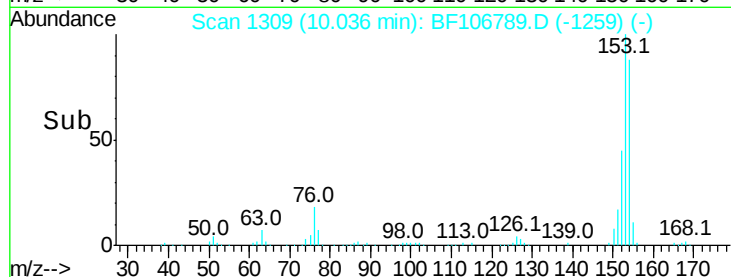
152 50.4 43.8 65.8



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



#54

Dibenzofuran

Concen: 23.940 ng

RT: 10.21 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF106789.D

Acq: 25 Jun 2018 23:14

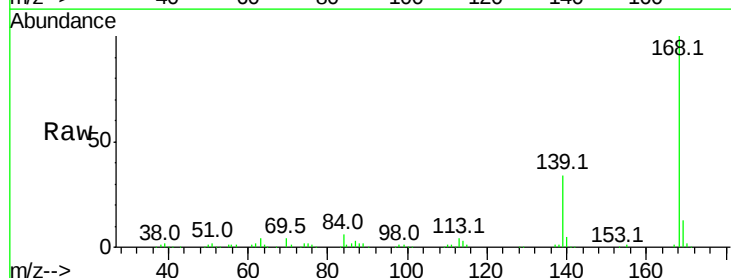
Tgt Ion:168 Resp: 156182

Ion Ratio Lower Upper

168 100

139 34.3 30.1 45.1

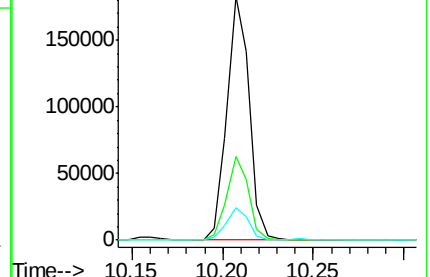
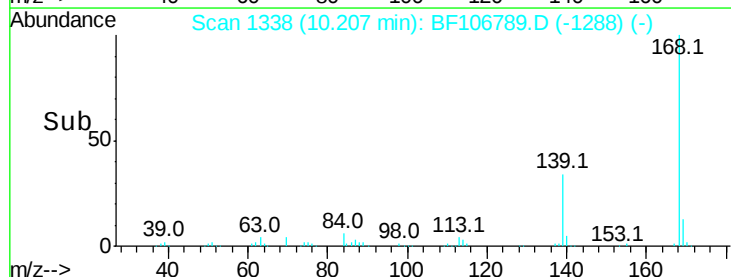
169 13.4 10.9 16.3

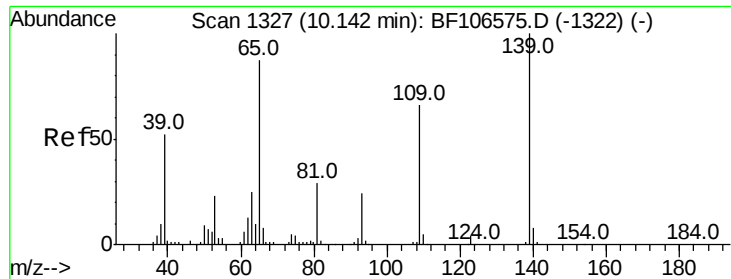


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

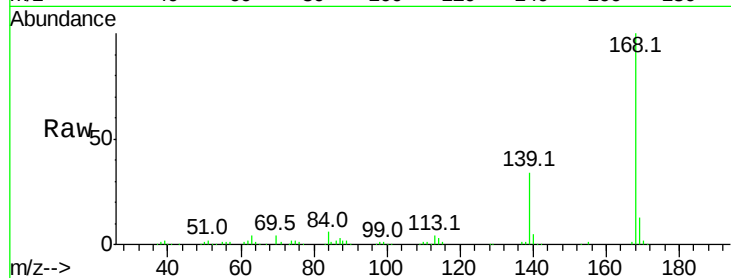




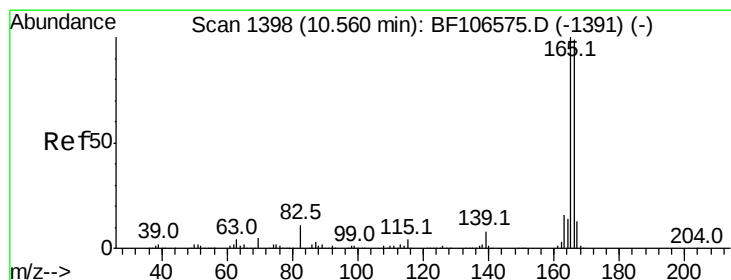
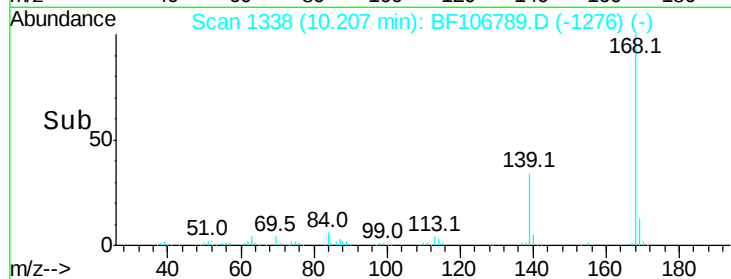
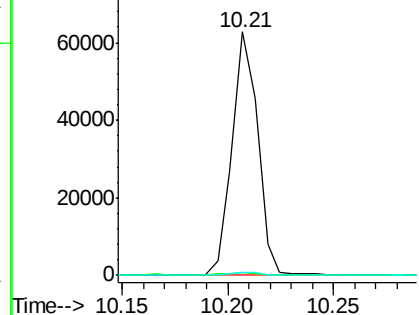
#55
4-Nitrophenol
Concen: 53.984 ng
RT: 10.21 min Scan# 1338
Delta R.T. 0.06 min
Lab File: BF106789.D
Acq: 25 Jun 2018 23:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 52608
Ion Ratio Lower Upper
139 100
109 1.0 48.4 88.4#
65 1.4 72.6 112.6#

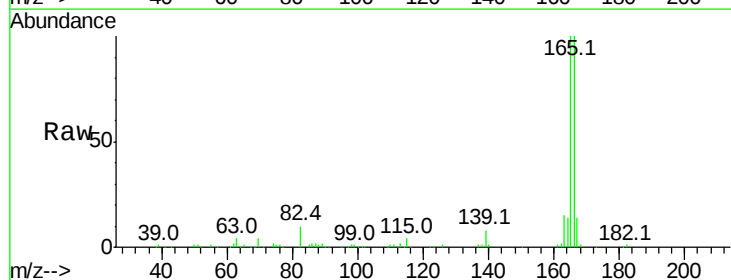


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

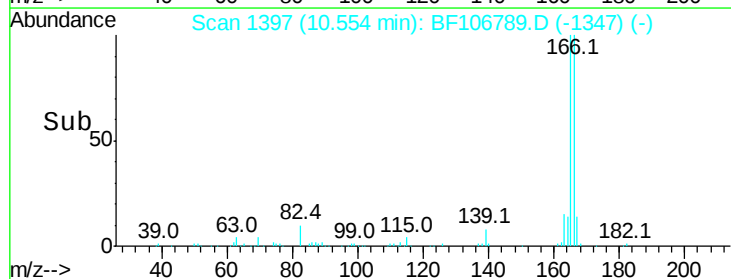
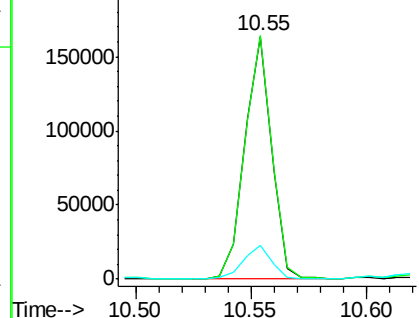


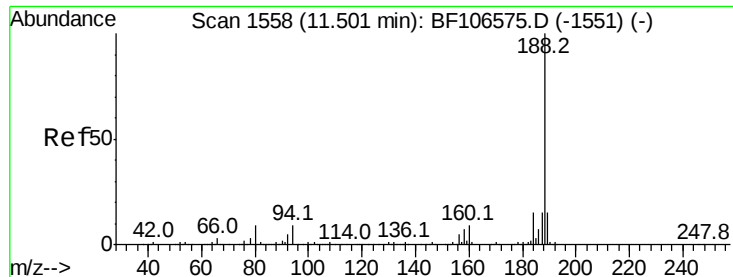
#57
Fluorene
Concen: 25.831 ng
RT: 10.55 min Scan# 1397
Delta R.T. -0.01 min
Lab File: BF106789.D
Acq: 25 Jun 2018 23:14

Tgt Ion:166 Resp: 133724
Ion Ratio Lower Upper
166 100
165 100.4 79.8 119.8
167 13.8 10.6 16.0



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

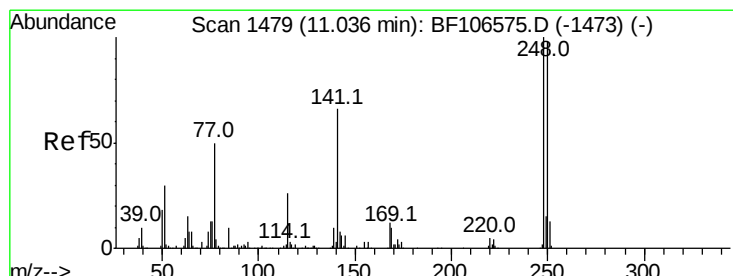
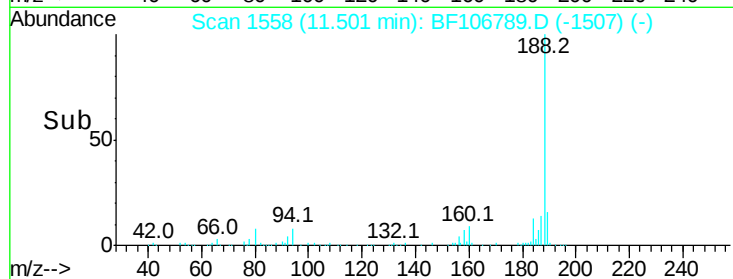
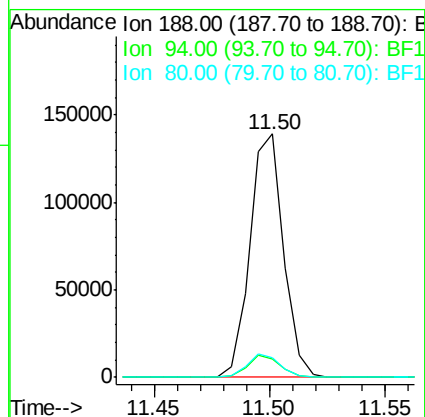
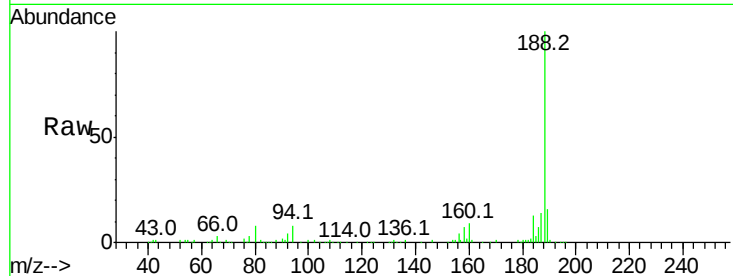




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BF106789.D
Acq: 25 Jun 2018 23:14

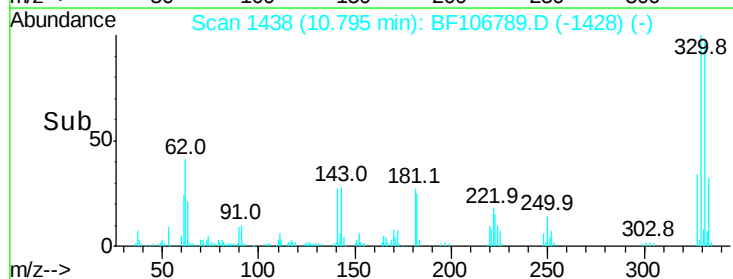
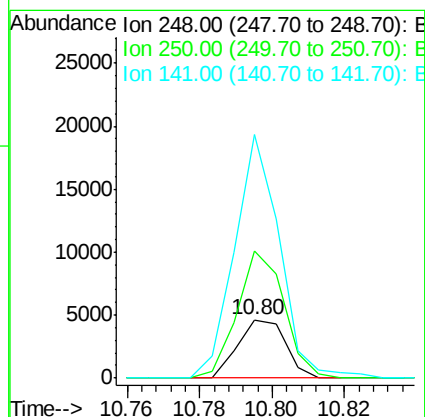
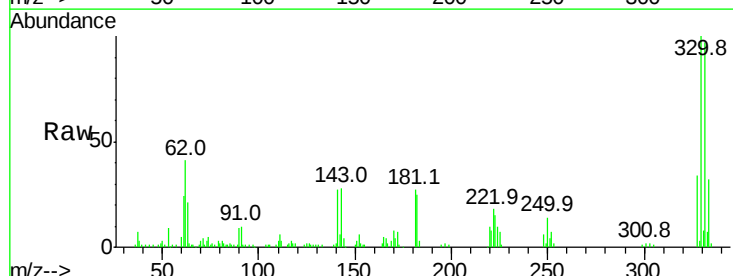
Instrument :
BNA_F
ClientSampleId :

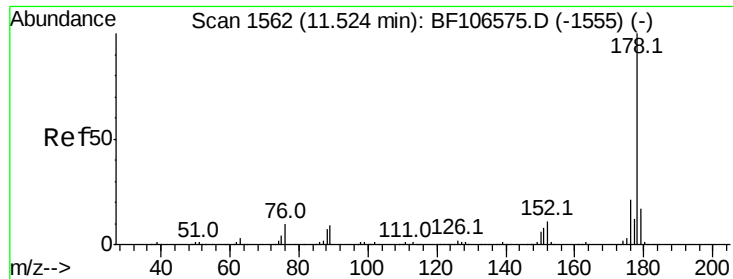
Tot Ion:188 Resp: 140875
Ion Ratio Lower Upper
188 100
94 7.7 8.5 12.7#
80 8.2 9.2 13.8#



#66
4-Bromophenyl-phenylether
Concen: 2.506 ng
RT: 10.80 min Scan# 1438
Delta R.T. -0.24 min
Lab File: BF106789.D
Acq: 25 Jun 2018 23:14

Tgt Ion:248 Resp: 4213
Ion Ratio Lower Upper
248 100
250 218.5 76.9 115.3#
141 418.2 74.4 111.6#

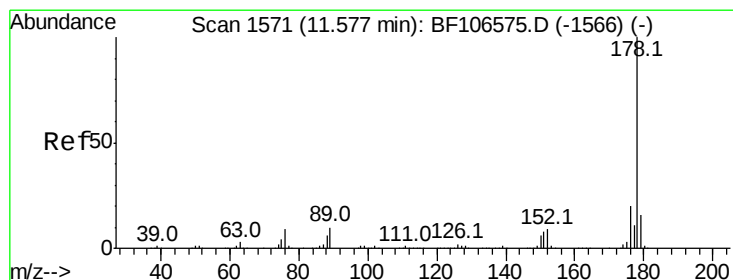
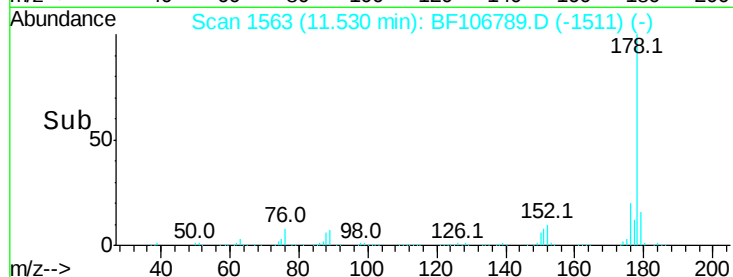
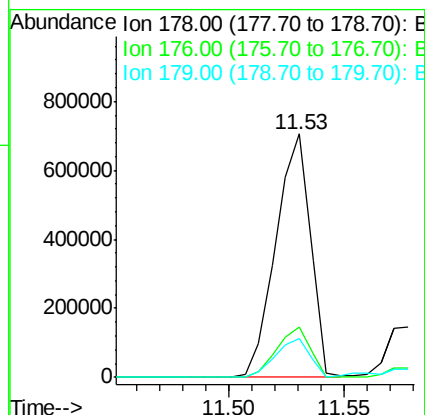
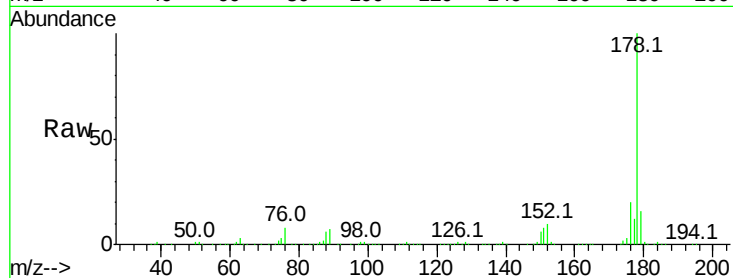




#70
Phenanthrene
Concen: 107.812 ng
RT: 11.53 min Scan# 1563
Delta R.T. 0.01 min
Lab File: BF106789.D
Acq: 25 Jun 2018 23:14

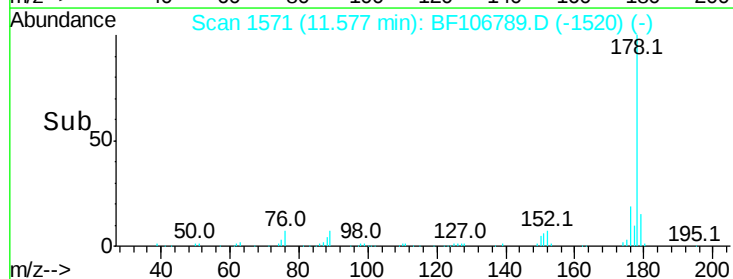
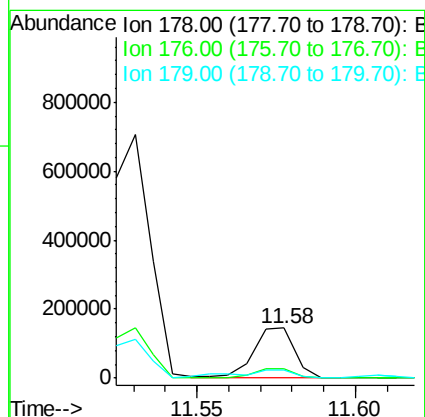
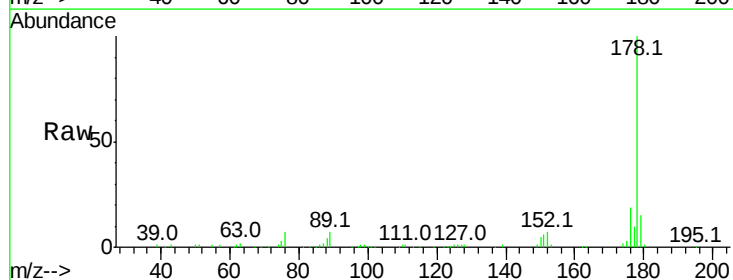
Instrument :
BNA_F
ClientSampled :

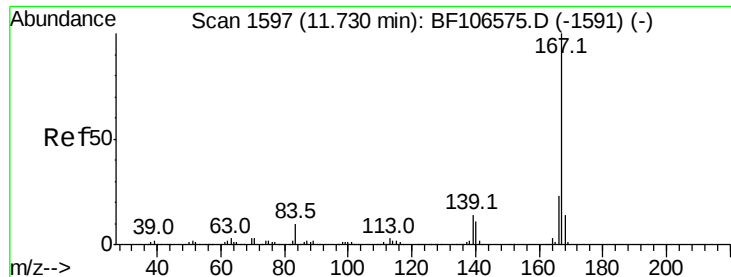
Tot Ion:178 Resp: 732548
Ion Ratio Lower Upper
178 100
176 20.4 15.8 23.8
179 15.8 13.0 19.6



#71
Anthracene
Concen: 18.771 ng
RT: 11.58 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF106789.D
Acq: 25 Jun 2018 23:14

Tgt Ion:178 Resp: 130185
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 15.3 12.6 19.0

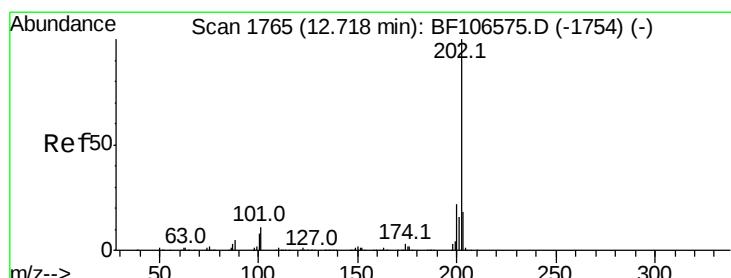
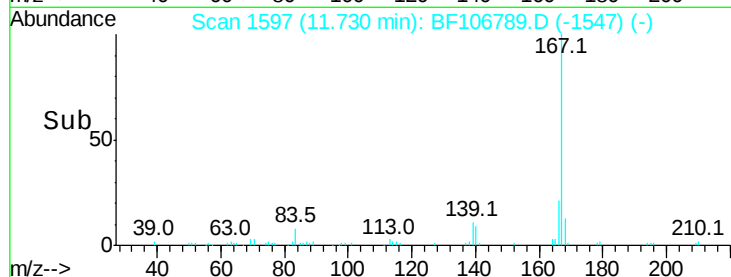
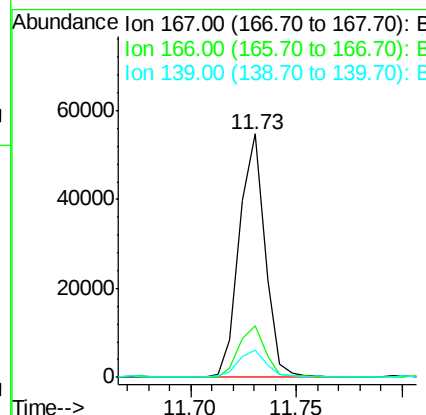
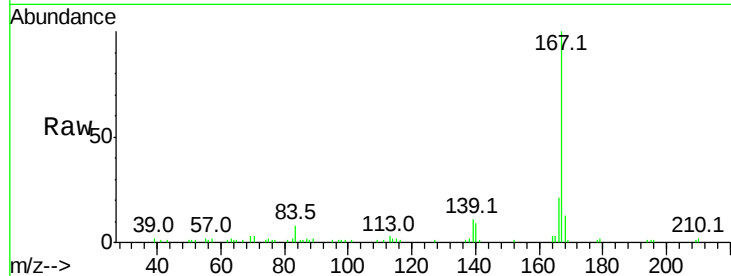




#72
 Carbazole
 Concen: 7.095 ng
 RT: 11.73 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF106789.D
 Acq: 25 Jun 2018 23:14

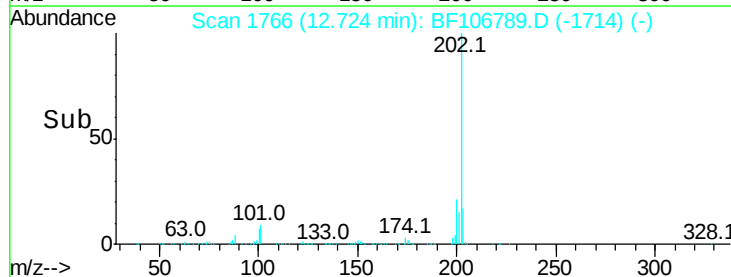
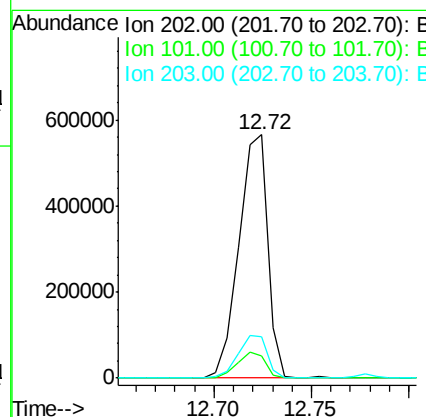
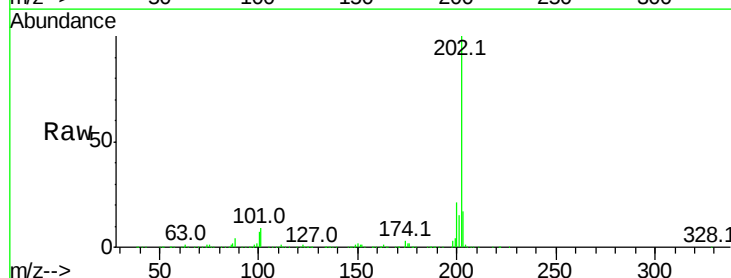
Instrument :
 BNA_F
 ClientSampleId :

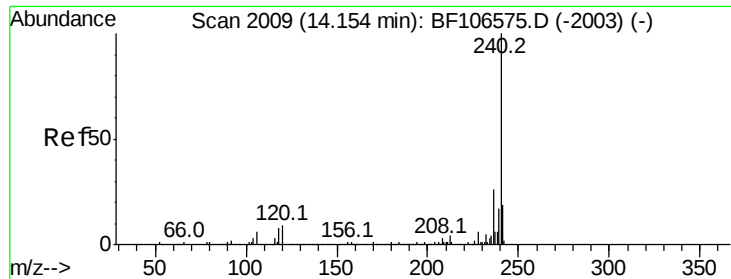
Tot Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.6	26.4
139	11.2	10.9	16.3



#74
 Fluoranthene
 Concen: 77.528 ng
 RT: 12.72 min Scan# 1766
 Delta R.T. 0.01 min
 Lab File: BF106789.D
 Acq: 25 Jun 2018 23:14

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.9	0.0	34.1
203	17.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF106789.D

Acq: 25 Jun 2018 23:14

Instrument :

BNA_F

ClientSampleId :

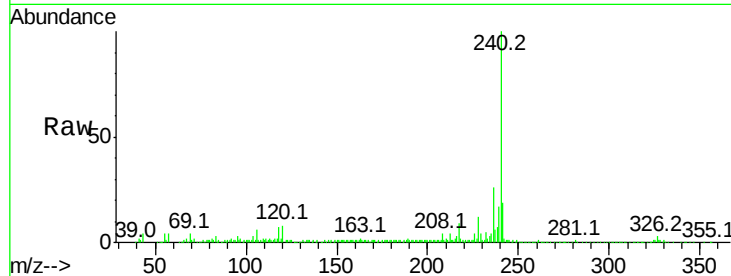
Tot Ion:240 Resp: 122468

Ion Ratio Lower Upper

240 100

120 7.7 9.5 14.3#

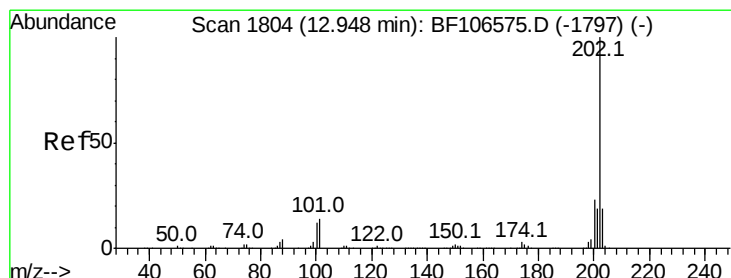
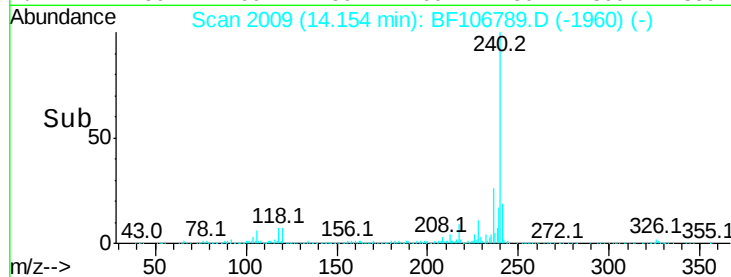
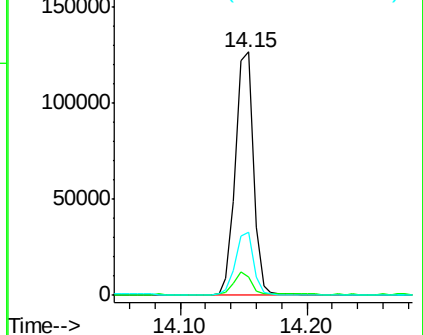
236 25.8 20.7 31.1



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: 53.500 ng

RT: 12.95 min Scan# 1805

Delta R.T. 0.01 min

Lab File: BF106789.D

Acq: 25 Jun 2018 23:14

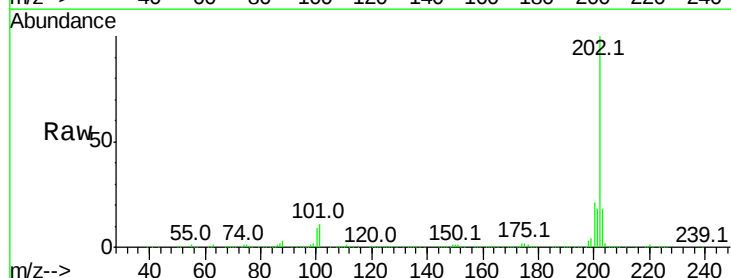
Tgt Ion:202 Resp: 432059

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

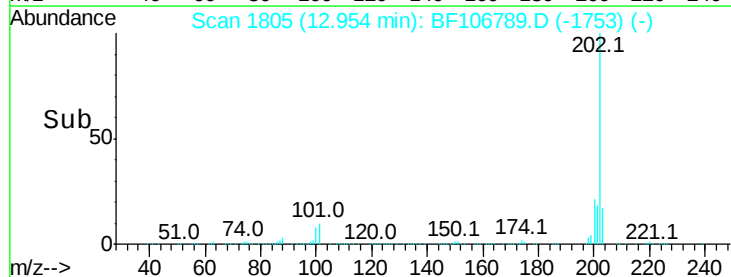
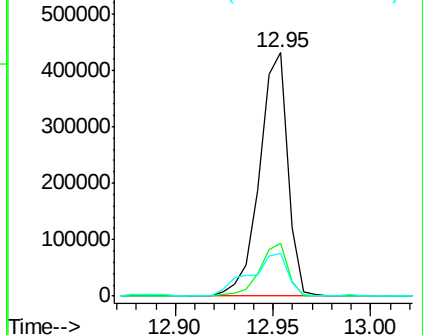
203 17.7 14.3 21.5

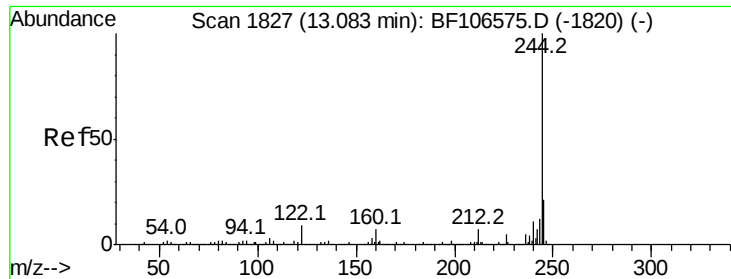


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 83.184 ng

RT: 13.08 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF106789.D

Acq: 25 Jun 2018 23:14

Instrument :

BNA_F

ClientSampleId :

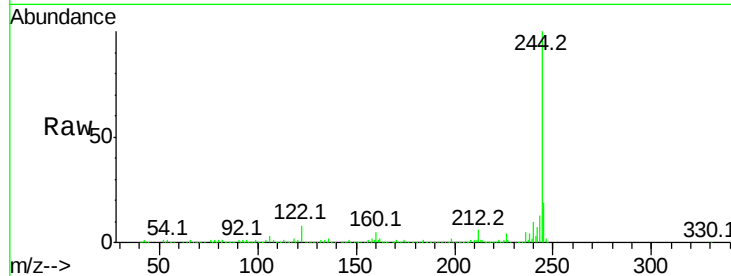
Tot Ion:244 Resp: 420568

Ion Ratio Lower Upper

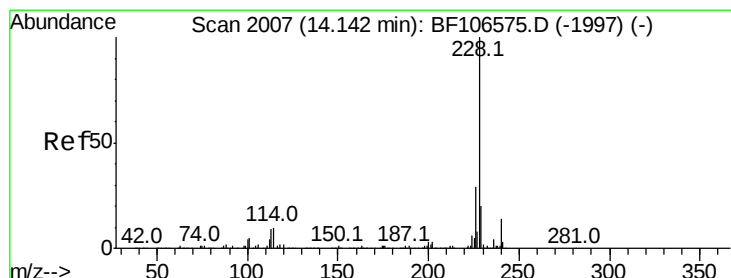
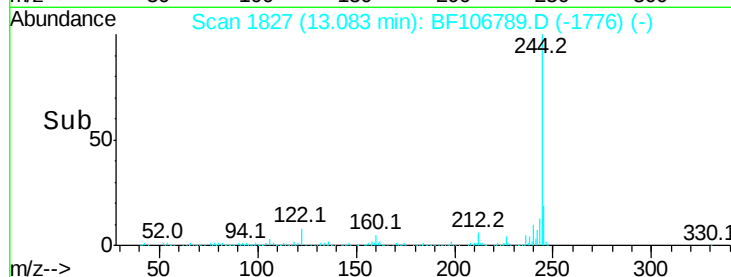
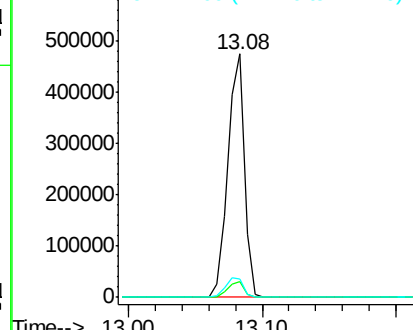
244 100

212 6.3 5.4 8.0

122 7.7 11.0 16.4#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 15.198 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF106789.D

Acq: 25 Jun 2018 23:14

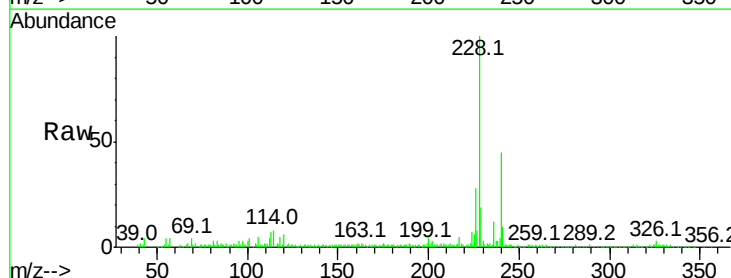
Tgt Ion:228 Resp: 113437

Ion Ratio Lower Upper

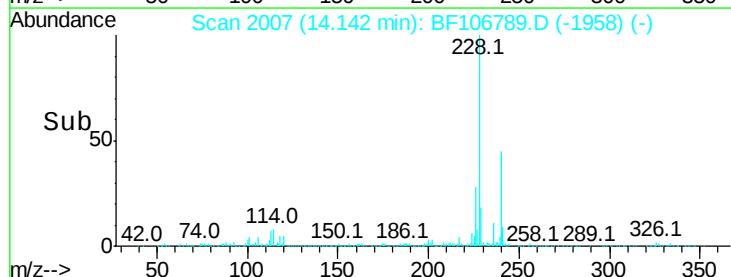
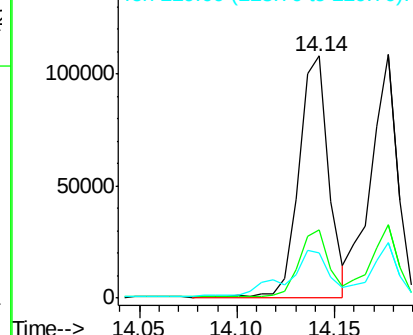
228 100

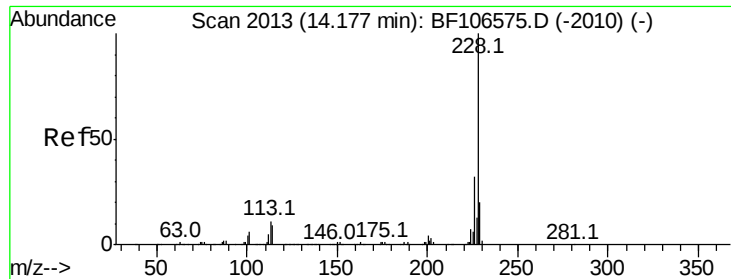
226 28.3 22.6 33.8

229 18.9 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: 15.015 ng

RT: 14.18 min Scan# 2013

Delta R.T. -0.02 min

Lab File: BF106789.D

Acq: 25 Jun 2018 23:14

Instrument :

BNA_F

ClientSampleId :

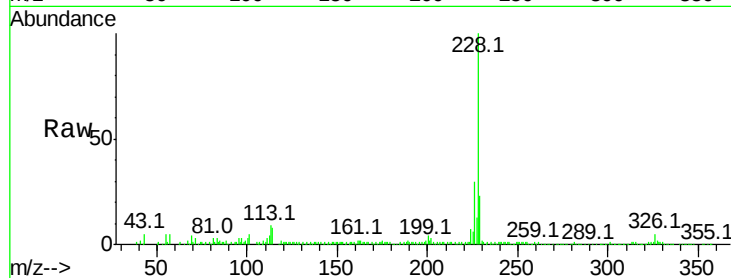
Tot Ion:228 Resp: 103103

Ion Ratio Lower Upper

228 100

226 30.0 25.0 37.6

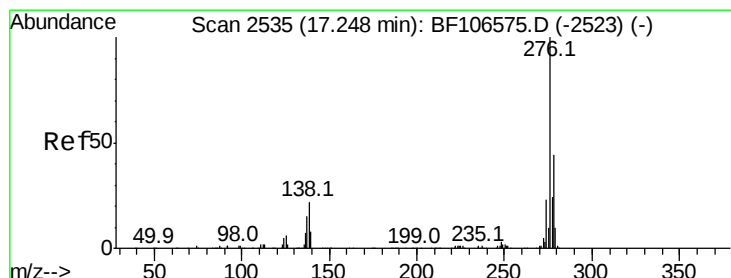
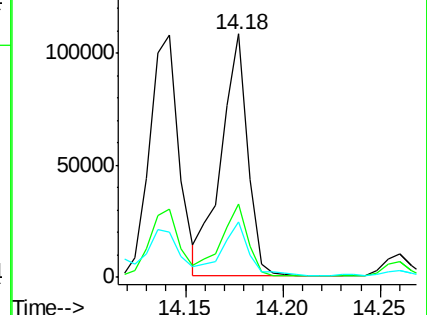
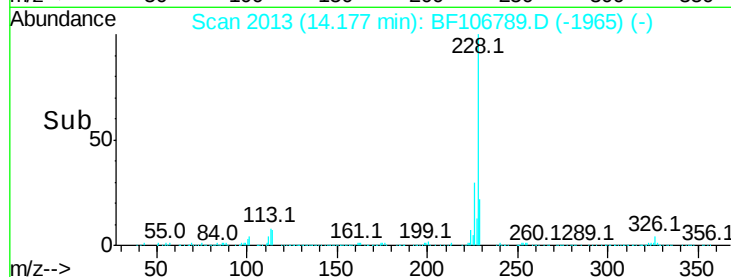
229 22.6 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.513 ng

RT: 17.26 min Scan# 2537

Delta R.T. -0.05 min

Lab File: BF106789.D

Acq: 25 Jun 2018 23:14

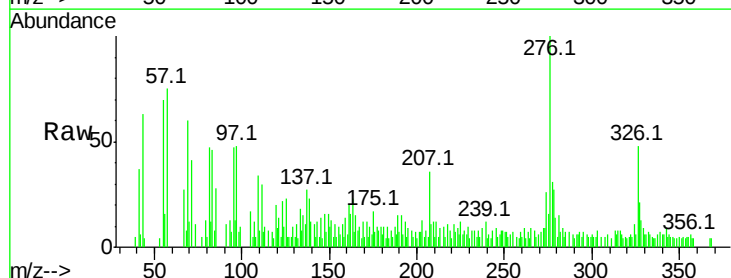
Tgt Ion:276 Resp: 14644

Ion Ratio Lower Upper

276 100

138 20.8 25.0 37.6#

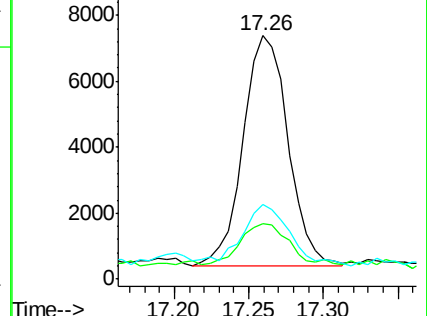
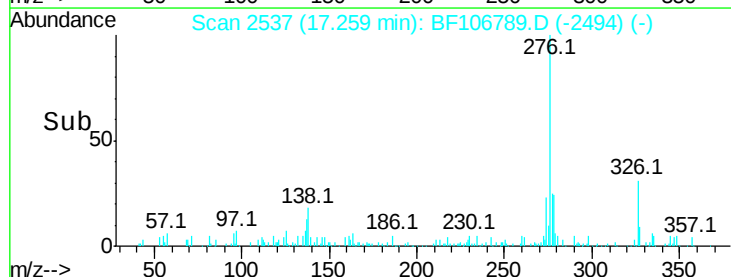
277 28.8 20.1 30.1

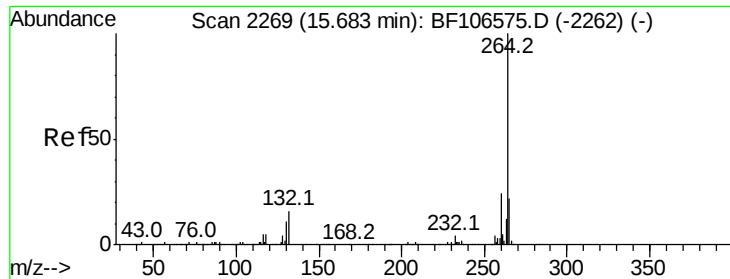


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

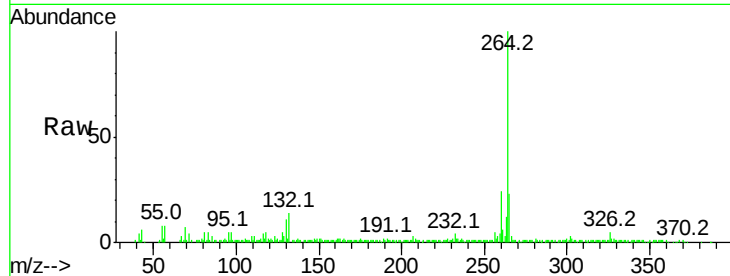




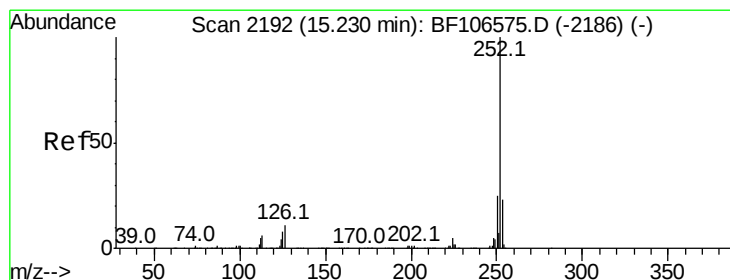
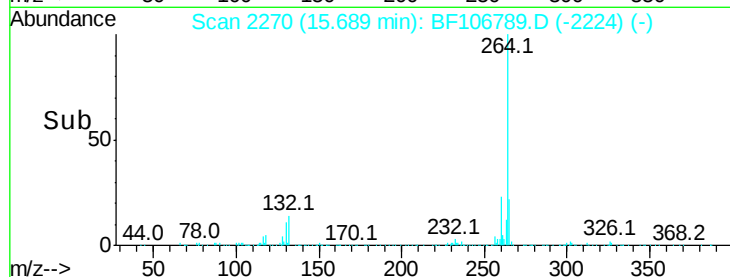
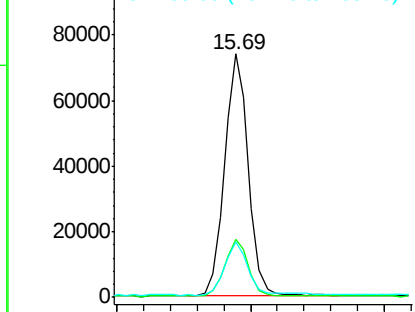
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.03 min
Lab File: BF106789.D
Acq: 25 Jun 2018 23:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.7	17.5	26.3

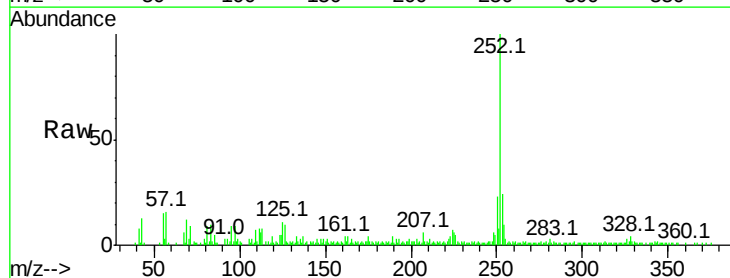


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

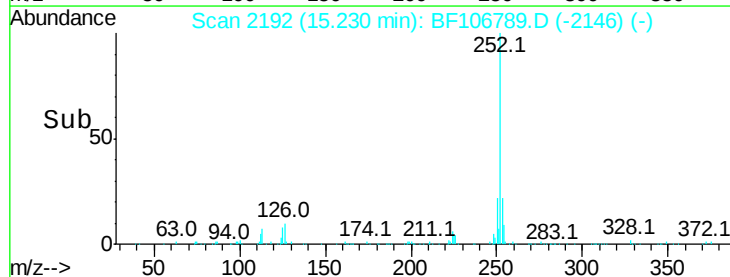
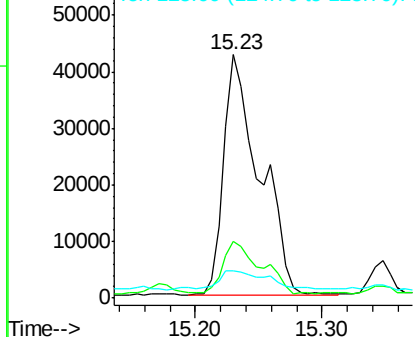


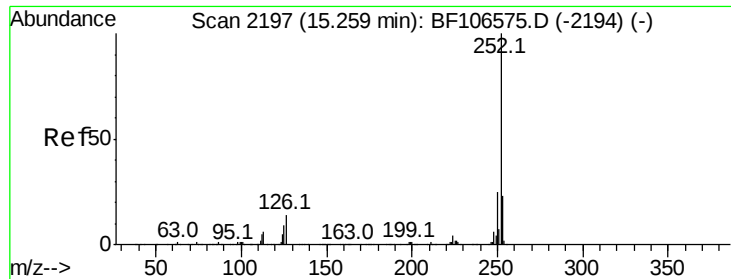
#87
Benzo(b)fluoranthene
Concen: 14.748 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BF106789.D
Acq: 25 Jun 2018 23:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.6
125	11.3	9.0	13.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

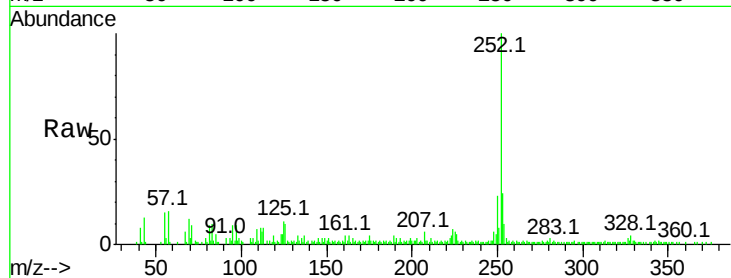




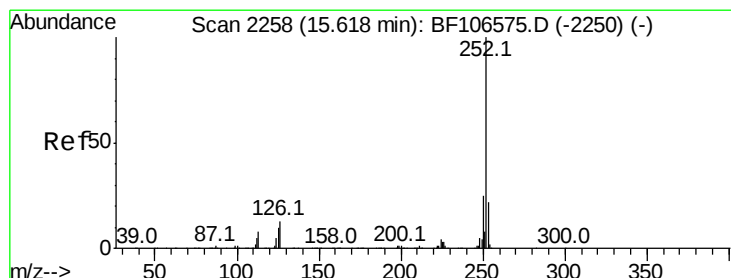
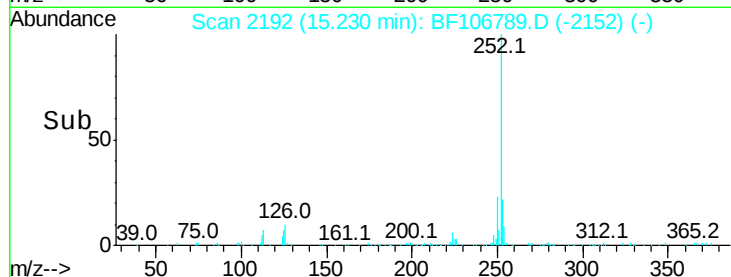
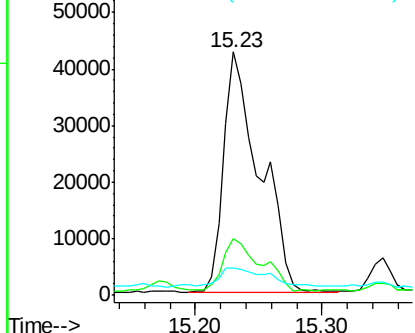
#88
Benzo(k)fluoranthene
Concen: 15.487 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.06 min
Lab File: BF106789.D
Acq: 25 Jun 2018 23:14

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	11.3	10.2	15.2

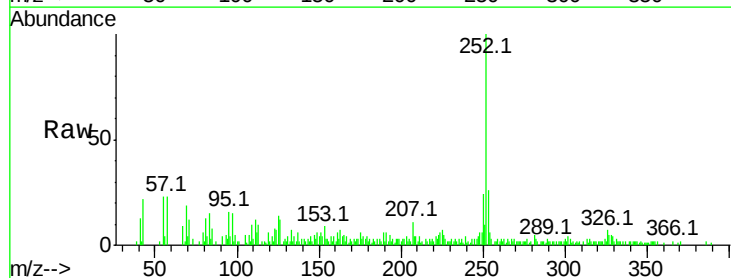


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

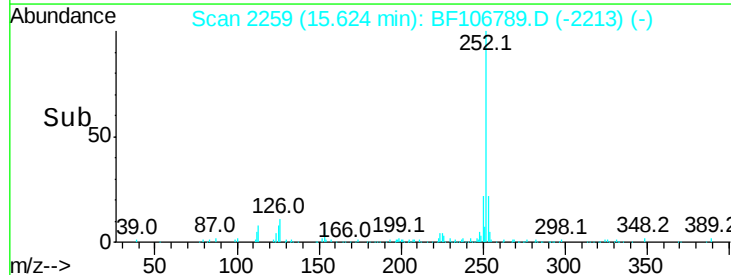
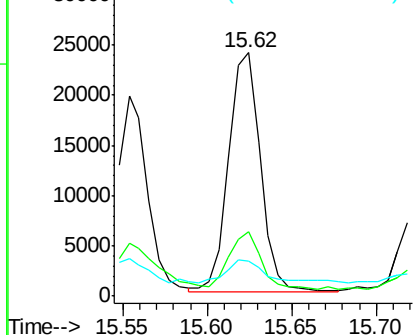


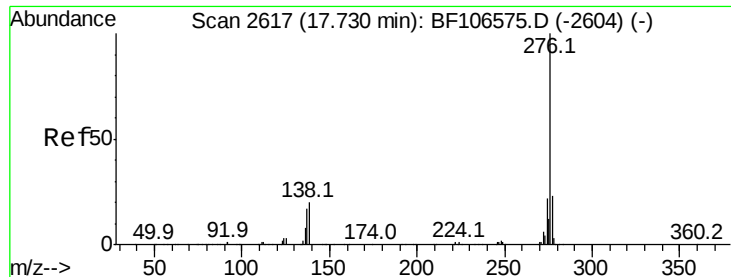
#89
Benzo(a)pyrene
Concen: 6.110 ng
RT: 15.62 min Scan# 2259
Delta R.T. -0.03 min
Lab File: BF106789.D
Acq: 25 Jun 2018 23:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.1	25.7#
125	14.2	9.8	14.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 2.993 ng
 RT: 17.74 min Scan# 2619
 Delta R.T. -0.05 min
 Lab File: BF106789.D
 Acq: 25 Jun 2018 23:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.5	17.9	26.9
138	22.2	21.8	32.8

