

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
 Data File : BF106682.D
 Acq On : 22 Jun 2018 00:56
 Operator : JU/SJ
 Sample : J3523-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 22 03:25:44 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 19 14:32:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	58189	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	209243	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	95263	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	194055	20.00	ng	0.00
75) Chrysene-d12	14.15	240	166819	20.00	ng	0.00
86) Perylene-d12	15.69	264	121129	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	43056	12.53	ng	0.00
7) Phenol-d6	6.60	99	103038	24.01	ng	0.00
23) Nitrobenzene-d5	7.52	82	59467	15.79	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	2342	2.12	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	117644	7.44	ng	-0.01
78) Terphenyl-d14	13.08	244	150690	21.88	ng	0.00

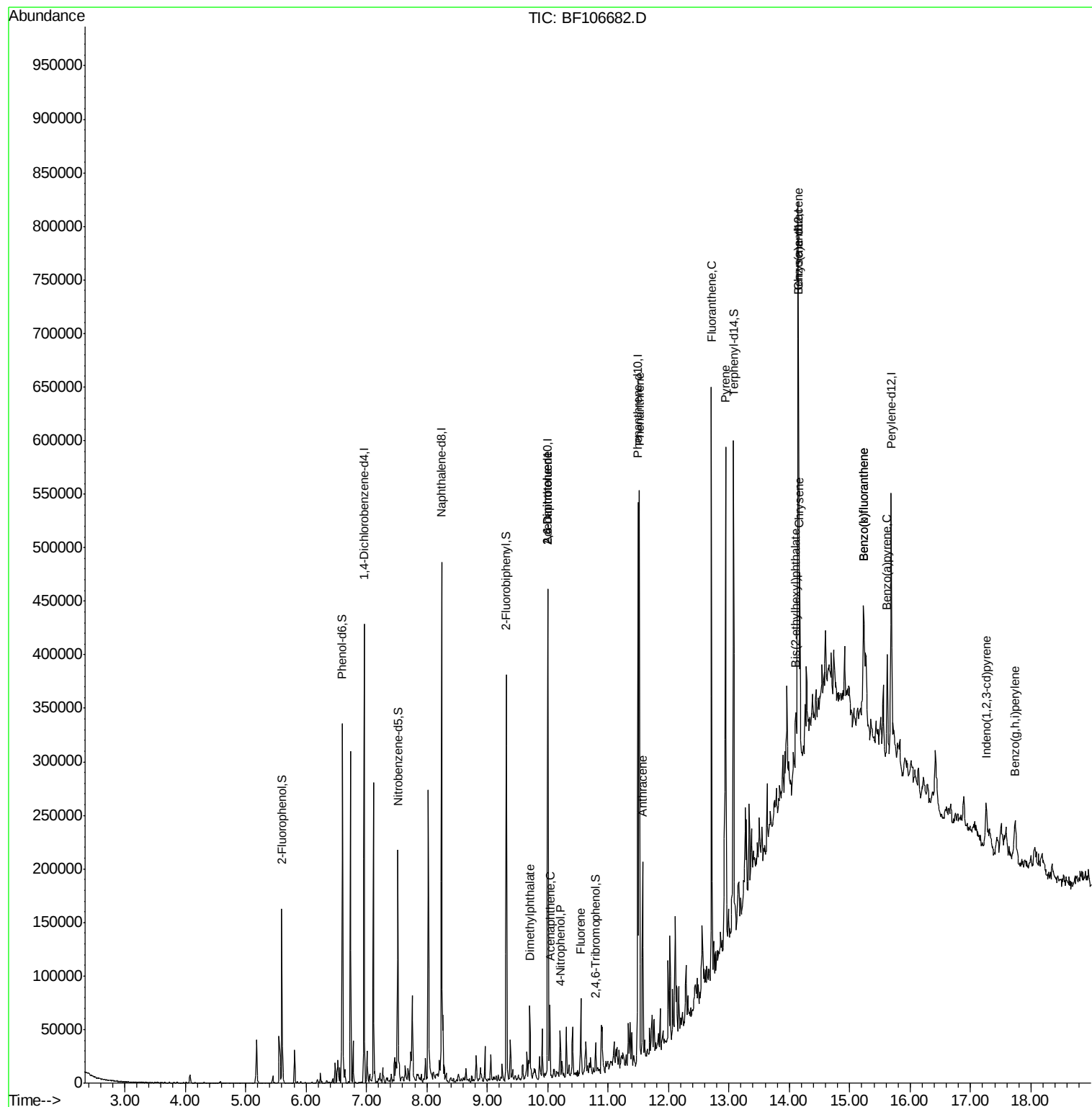
Target Compounds				Qvalue		
49) Dimethylphthalate	9.71	163	19775	2.768	ng	# 96
50) 2,6-Dinitrotoluene	10.00	165	12776	8.444	ng	# 24
51) Acenaphthene	10.04	154	12711	2.139	ng	98
55) 4-Nitrophenol	10.21	139	4848	3.989	ng	# 12
56) 2,4-Dinitrotoluene	10.00	165	12776	6.469	ng	# 21
57) Fluorene	10.55	166	20233	3.134	ng	97
70) Phenanthrene	11.52	178	190550	20.359	ng	100
71) Anthracene	11.57	178	66284	6.938	ng	97
74) Fluoranthene	12.71	202	227020	22.006	ng	97
77) Pyrene	12.95	202	201712	18.337	ng	99
80) Benzo(a)anthracene	14.14	228	88791	8.733	ng	98
82) Chrysene	14.18	228	79505	8.500	ng	97
83) Bis(2-ethylhexyl)phthalate	14.11	149	22698	3.925	ng	# 97
85) Indeno(1,2,3-cd)pyrene	17.26	276	26285	3.311	ng	# 85
87) Benzo(b)fluoranthene	15.23	252	91780	12.198	ng	# 92
88) Benzo(k)fluoranthene	15.23	252	91780	12.809	ng	95
89) Benzo(a)pyrene	15.62	252	47818	7.149	ng	# 92
91) Benzo(g,h,i)perylene	17.74	276	26836	4.843	ng	91

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

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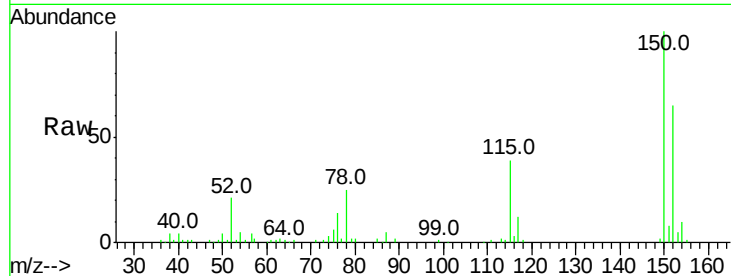


#1

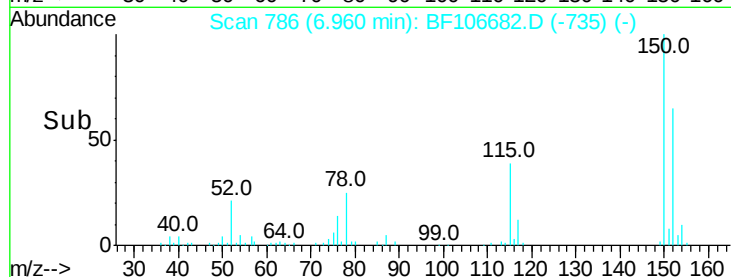
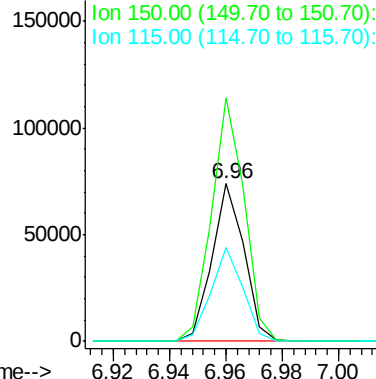
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF106682.D
Acq: 22 Jun 2018 00:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 58189
Ion Ratio Lower Upper
152 100
150 154.8 124.6 186.8
115 59.6 50.1 75.1



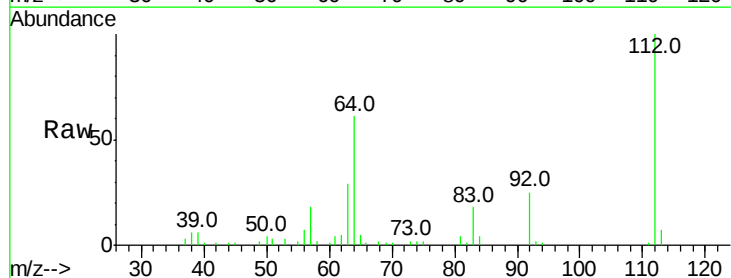
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



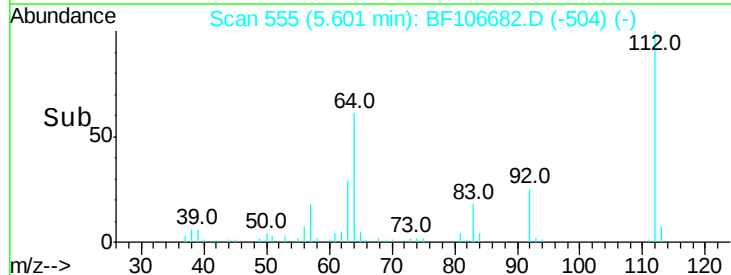
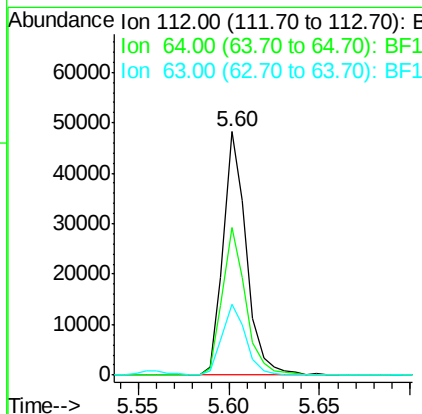
#5

2-Fluorophenol
Concen: 12.529 ng
RT: 5.60 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF106682.D
Acq: 22 Jun 2018 00:56

Tgt Ion:112 Resp: 43056
Ion Ratio Lower Upper
112 100
64 60.9 47.9 71.9
63 28.9 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: 24.010 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF106682.D

Acq: 22 Jun 2018 00:56

Instrument :

BNA_F

ClientSampleId :

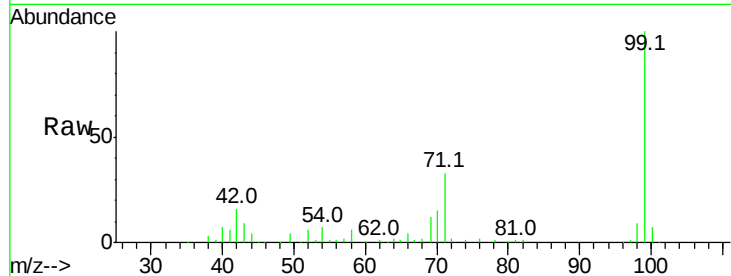
Tot Ion: 99 Resp: 103038

Ion Ratio Lower Upper

99 100

42 16.2 14.5 21.7

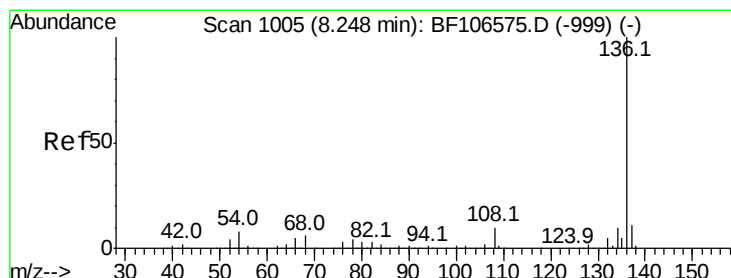
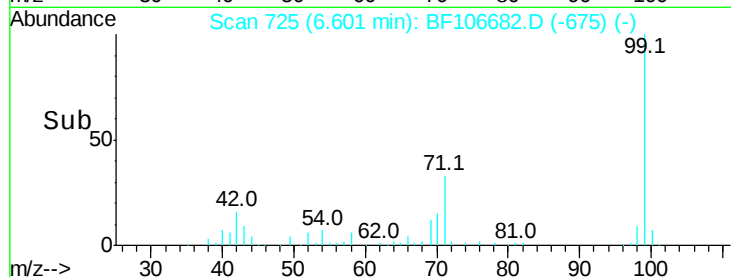
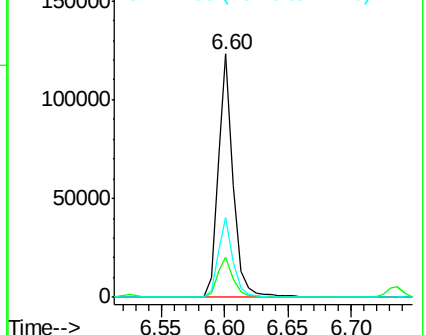
71 32.8 25.4 38.0



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. -0.01 min

Lab File: BF106682.D

Acq: 22 Jun 2018 00:56

Tgt Ion: 136 Resp: 209243

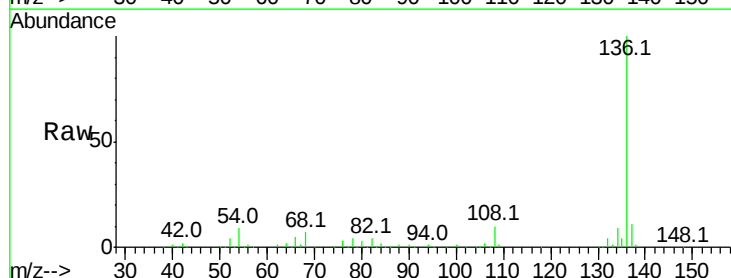
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 8.5 6.6 9.8

68 6.7 5.0 7.4

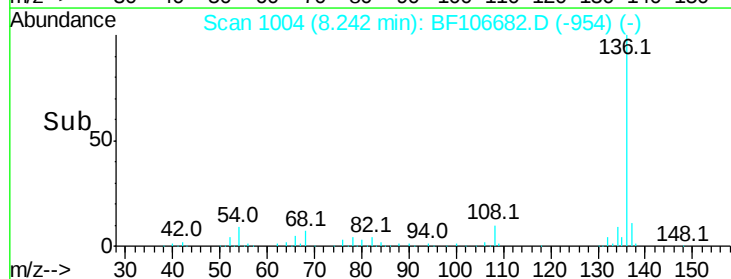
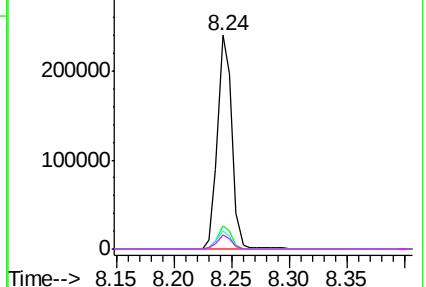


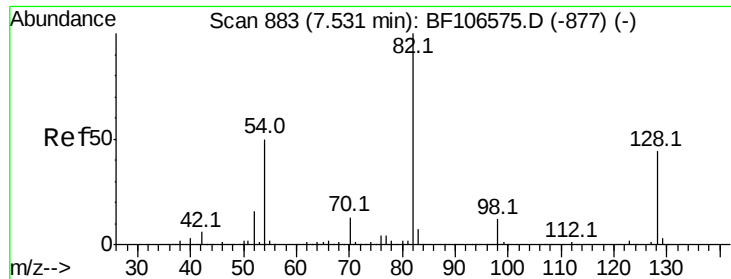
Abundance Ion 136.00 (135.70 to 136.70): E

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

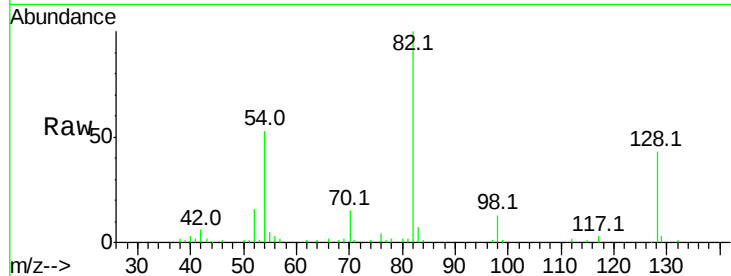




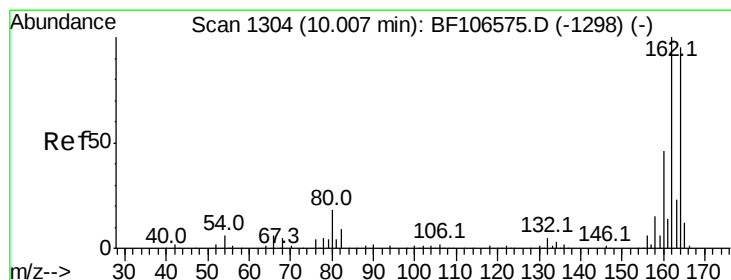
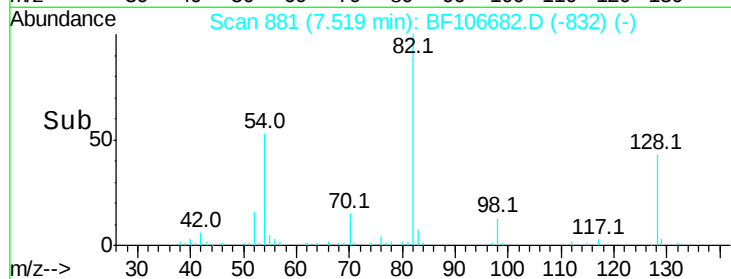
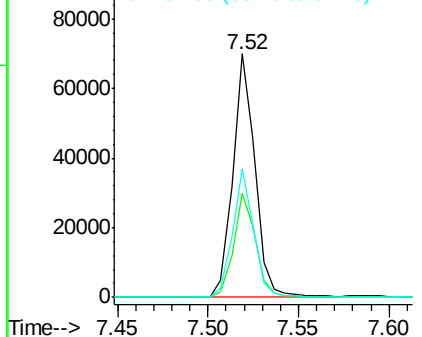
#23
Nitrobenzene-d5
Concen: 15.794 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF106682.D
Acq: 22 Jun 2018 00:56

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	59467
Ion	Ratio	Lower	Upper
82	100		
128	42.5	36.1	54.1
54	53.0	41.4	62.2

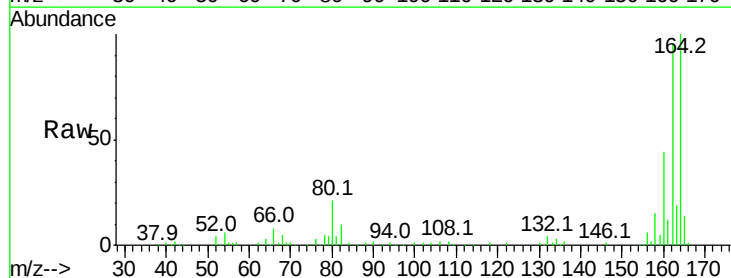


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

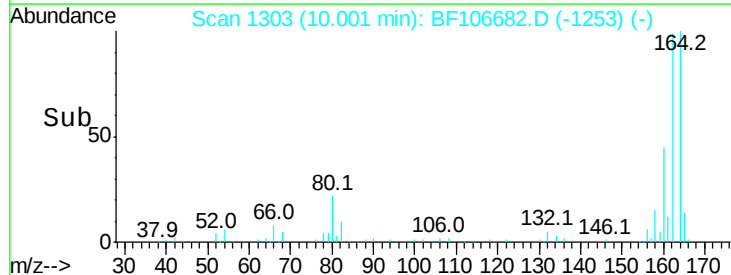
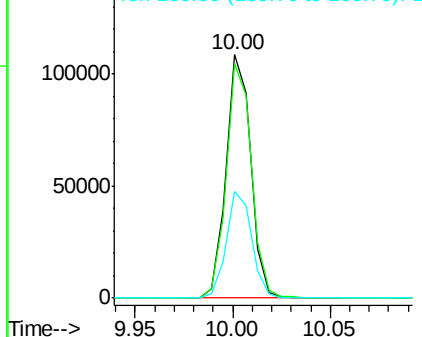


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF106682.D
Acq: 22 Jun 2018 00:56

Tgt Ion	164	Resp	95263
Ion	Ratio	Lower	Upper
164	100		
162	96.3	86.1	129.1
160	44.0	38.3	57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1

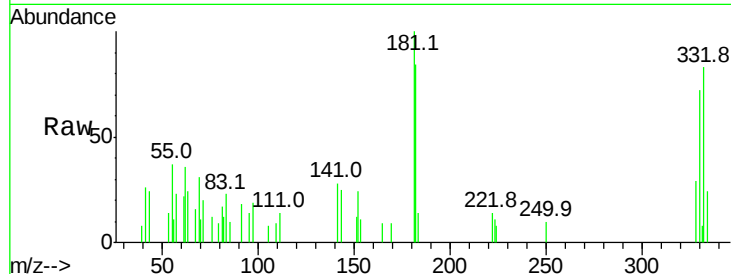




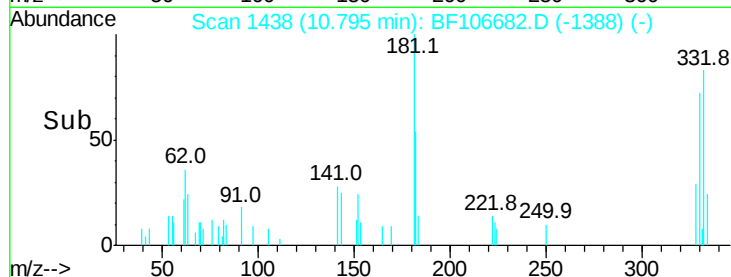
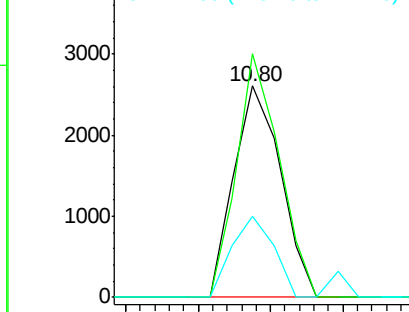
#41
 2,4,6-Tribromophenol
 Concen: 2.121 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF106682.D
 Acq: 22 Jun 2018 00:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 2342
 Ion Ratio Lower Upper
 330 100
 332 105.0 77.0 115.6
 141 34.3 29.9 44.9

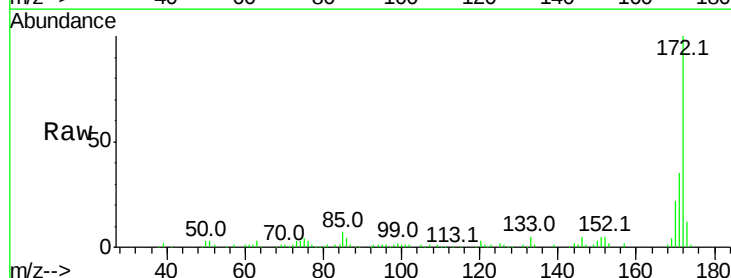


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

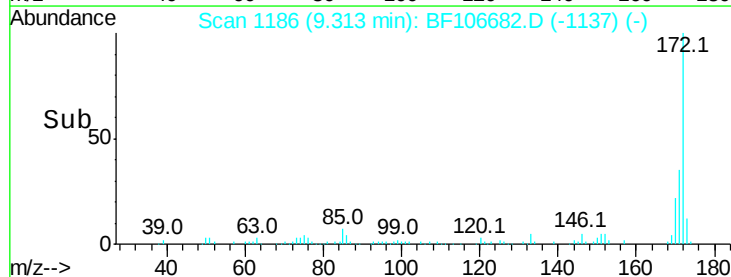
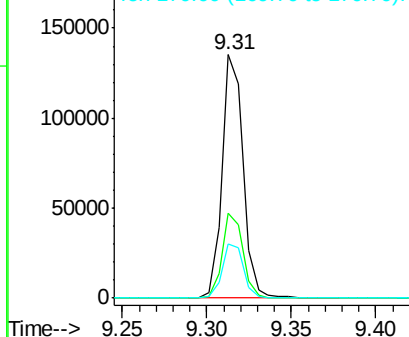


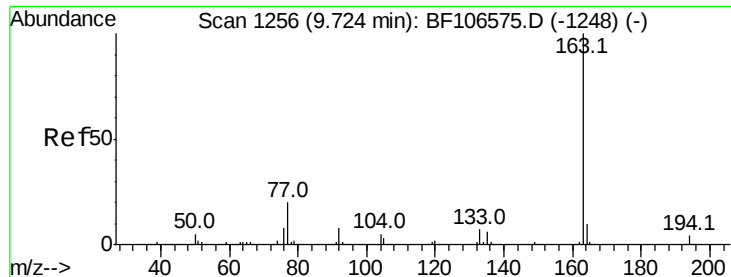
#44
 2-Fluorobiphenyl
 Concen: 7.444 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF106682.D
 Acq: 22 Jun 2018 00:56

Tgt Ion:172 Resp: 117644
 Ion Ratio Lower Upper
 172 100
 171 34.7 29.7 44.5
 170 22.4 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

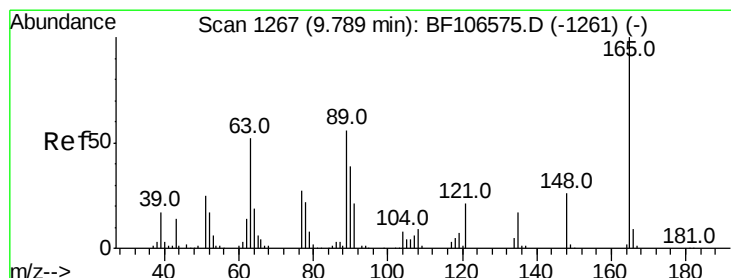
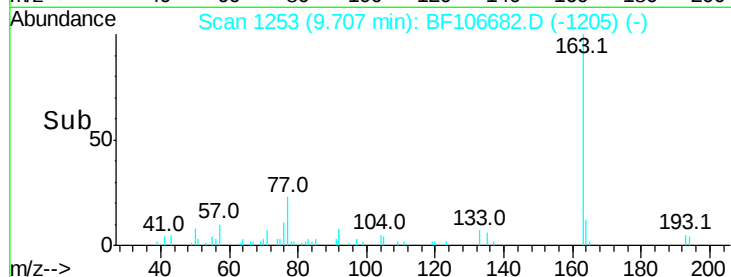
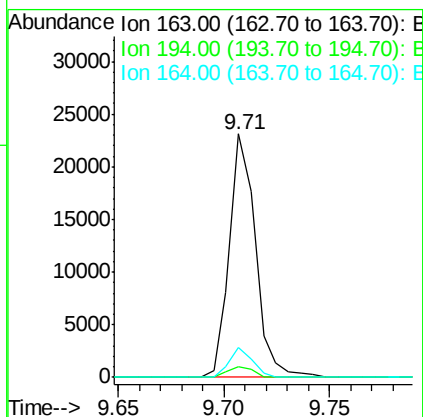
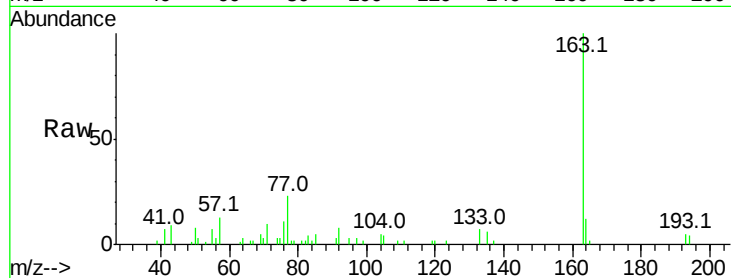




#49
Dimethylphthalate
Concen: 2.768 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF106682.D
Acq: 22 Jun 2018 00:56

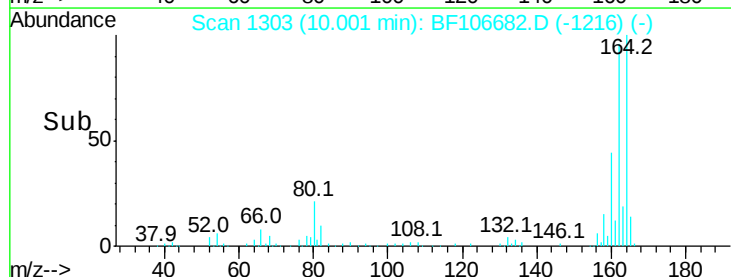
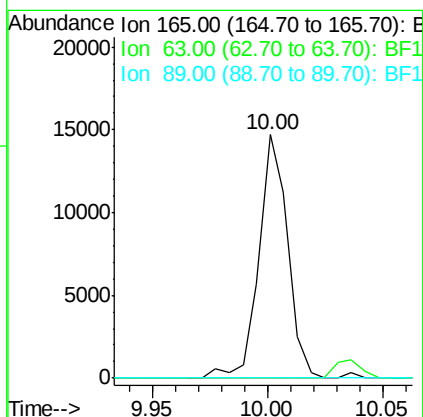
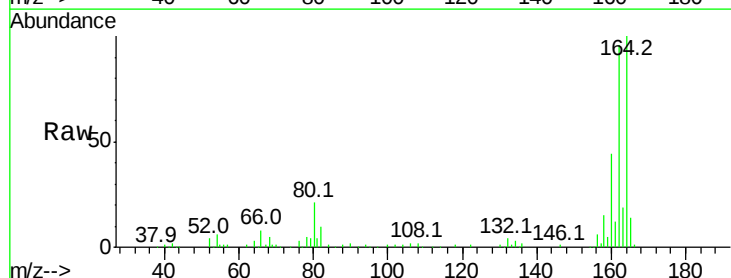
Instrument :
BNA_F
ClientSampleId :

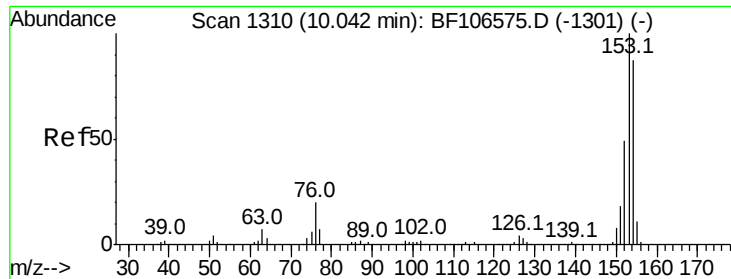
Tot Ion:163 Resp: 19775
Ion Ratio Lower Upper
163 100
194 4.4 2.7 4.1#
164 12.0 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 8.444 ng
RT: 10.00 min Scan# 1303
Delta R.T. 0.21 min
Lab File: BF106682.D
Acq: 22 Jun 2018 00:56

Tgt Ion:165 Resp: 12776
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 0.0 44.0 66.0#

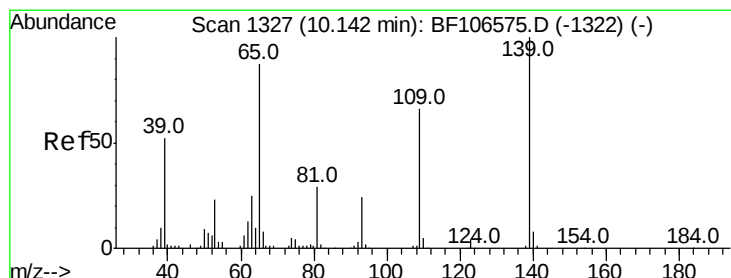
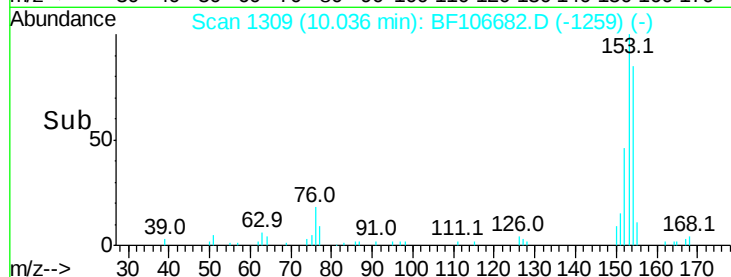
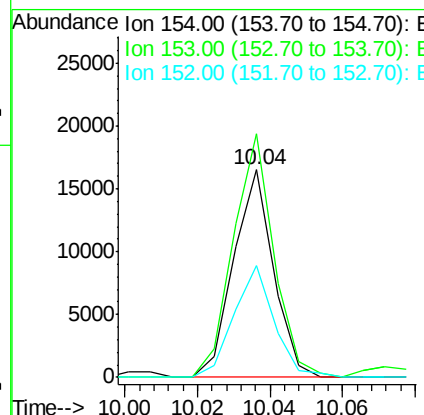
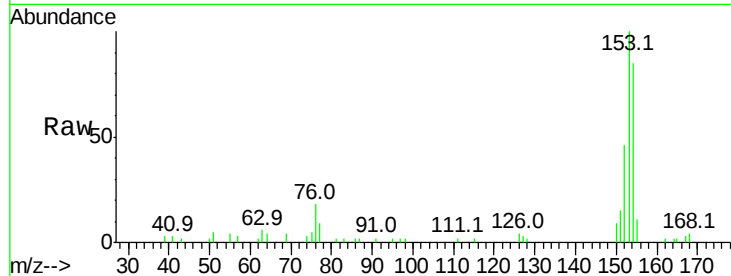




#51
Acenaphthene
Concen: 2.139 ng
RT: 10.04 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF106682.D
Acq: 22 Jun 2018 00:56

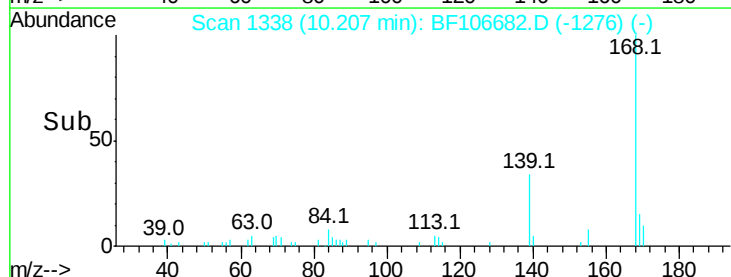
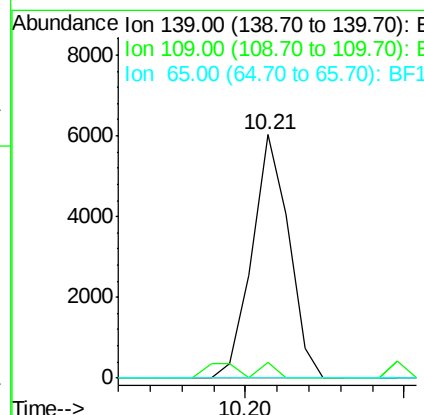
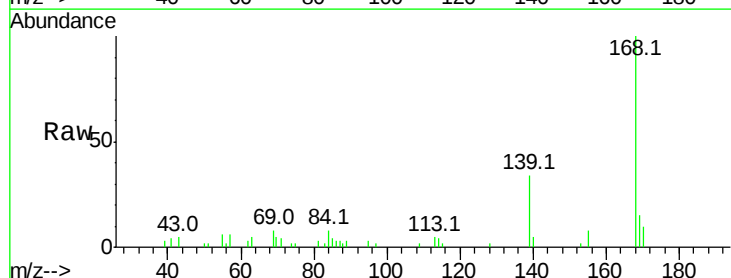
Instrument :
BNA_F
ClientSampled :

Tot Ion:154 Resp: 12711
Ion Ratio Lower Upper
154 100
153 117.5 91.2 136.8
152 54.2 43.8 65.8



#55
4-Nitrophenol
Concen: 3.989 ng
RT: 10.21 min Scan# 1338
Delta R.T. 0.06 min
Lab File: BF106682.D
Acq: 22 Jun 2018 00:56

Tgt Ion:139 Resp: 4848
Ion Ratio Lower Upper
139 100
109 6.5 48.4 88.4#
65 0.0 72.6 112.6#

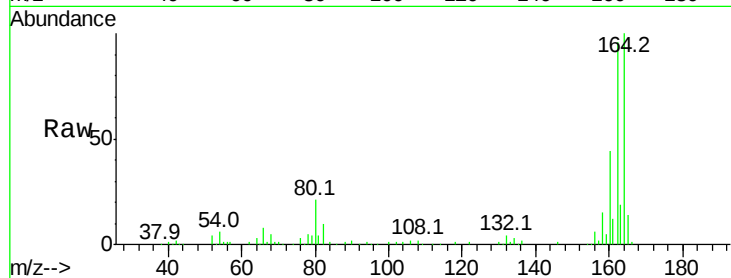




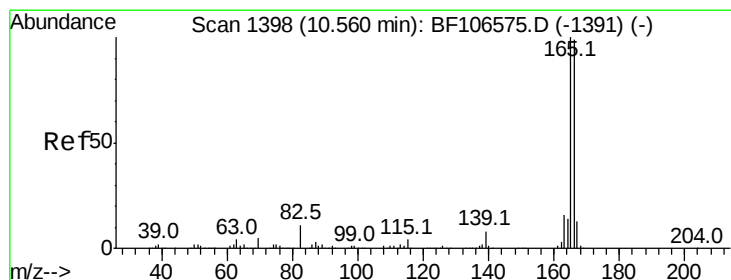
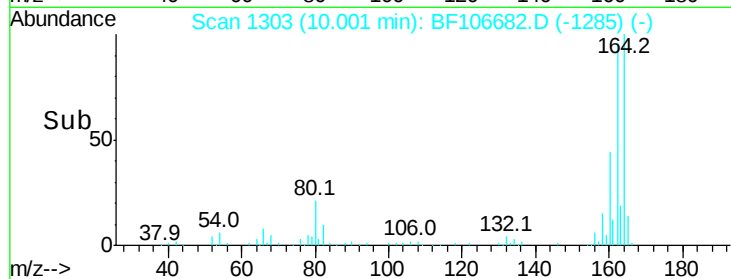
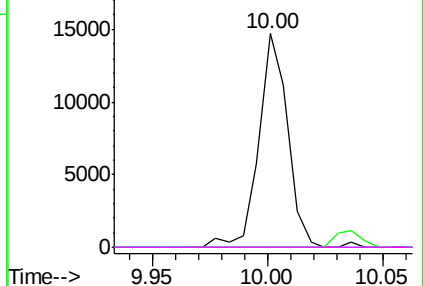
#56
2,4-Dinitrotoluene
Concen: 6.469 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.19 min
Lab File: BF106682.D
Acq: 22 Jun 2018 00:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 12776
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 0.0 57.8 86.6#
182 0.0 1.6 2.4#

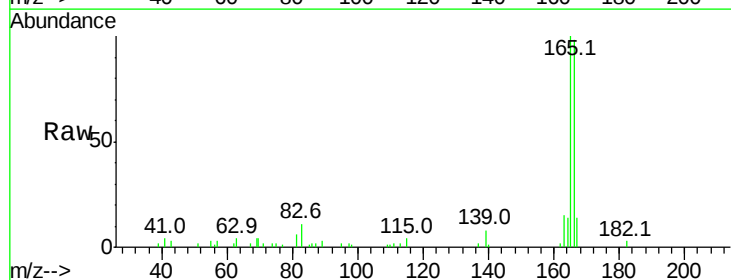


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

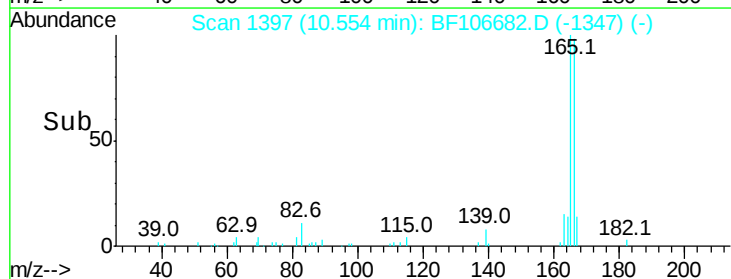
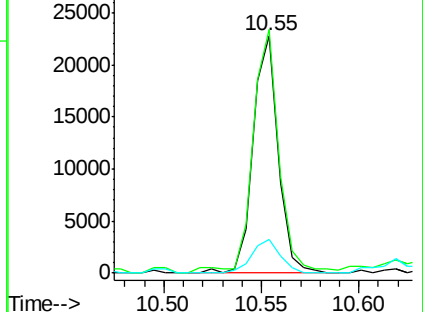


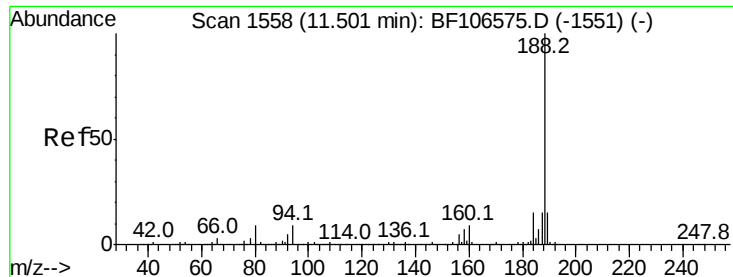
#57
Fluorene
Concen: 3.134 ng
RT: 10.55 min Scan# 1397
Delta R.T. -0.01 min
Lab File: BF106682.D
Acq: 22 Jun 2018 00:56

Tgt Ion:166 Resp: 20233
Ion Ratio Lower Upper
166 100
165 102.4 79.8 119.8
167 14.1 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

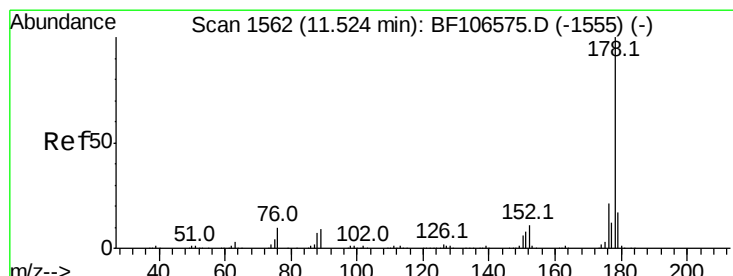
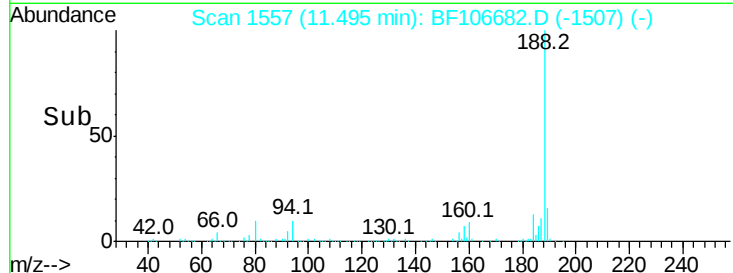
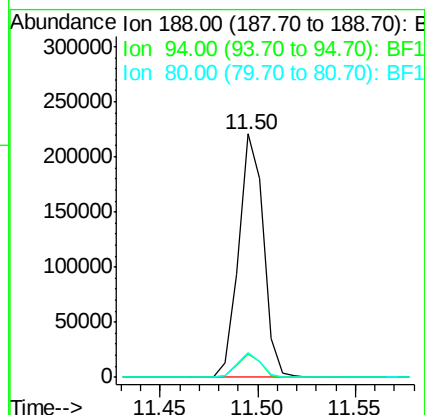
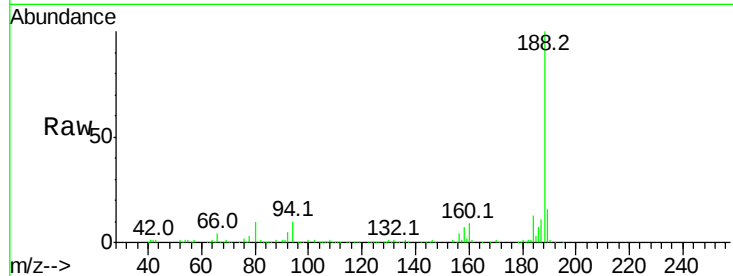




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF106682.D
Acq: 22 Jun 2018 00:56

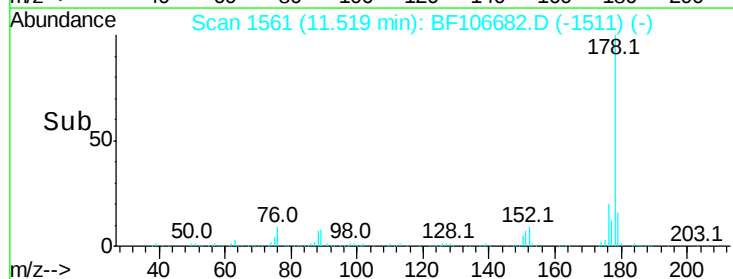
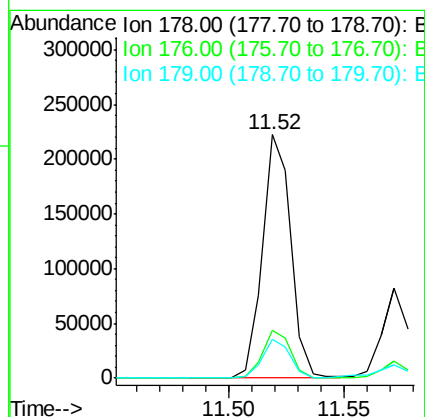
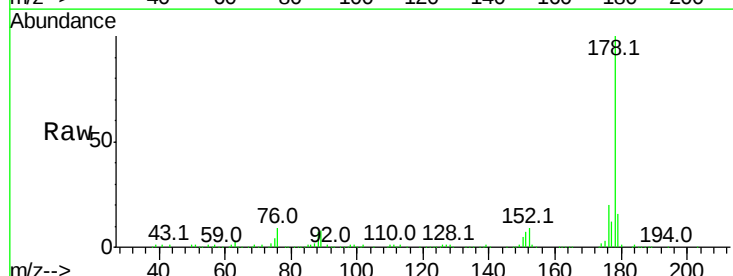
Instrument :
BNA_F
ClientSampled :

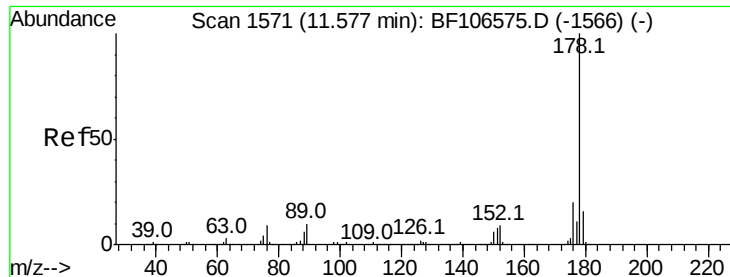
Tot Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.5	12.7
80	10.2	9.2	13.8



#70
Phenanthrene
Concen: 20.359 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF106682.D
Acq: 22 Jun 2018 00:56

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	16.1	13.0	19.6

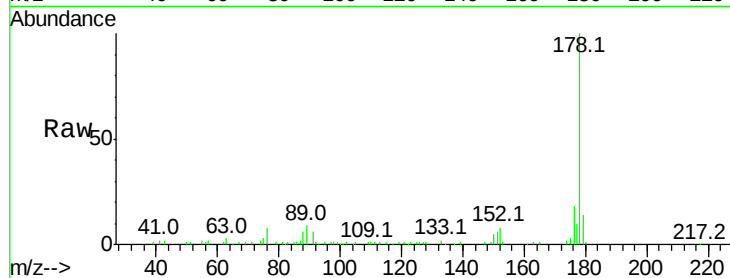




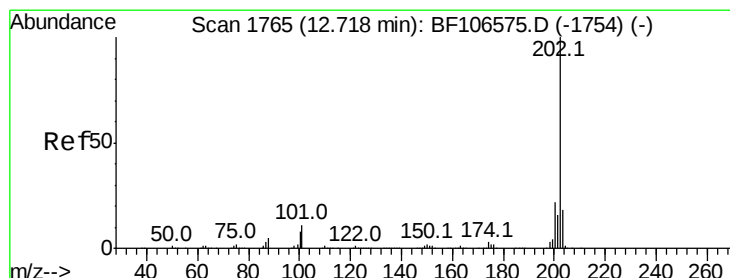
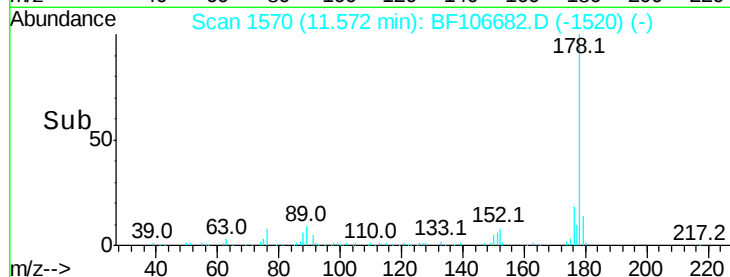
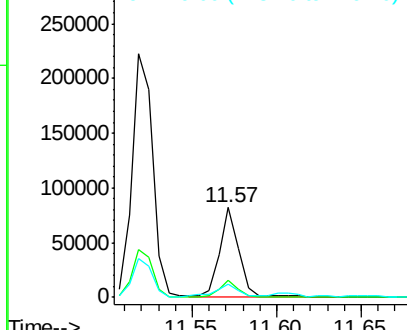
#71
 Anthracene
 Concen: 6.938 ng
 RT: 11.57 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF106682.D
 Acq: 22 Jun 2018 00:56

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:178 Resp: 66284
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.4 23.2
 179 14.4 12.6 19.0

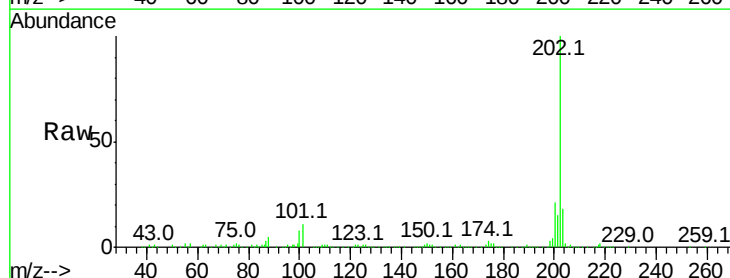


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

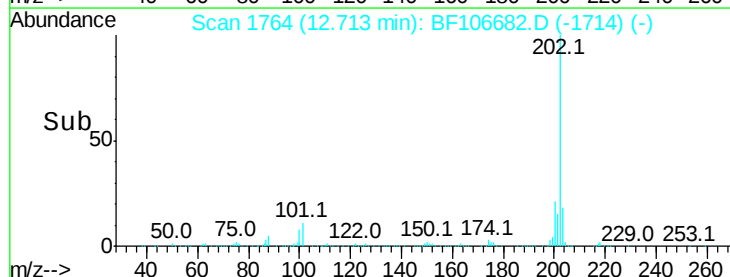
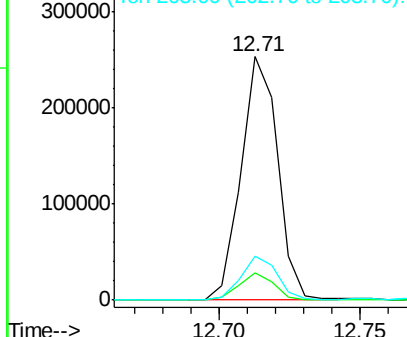


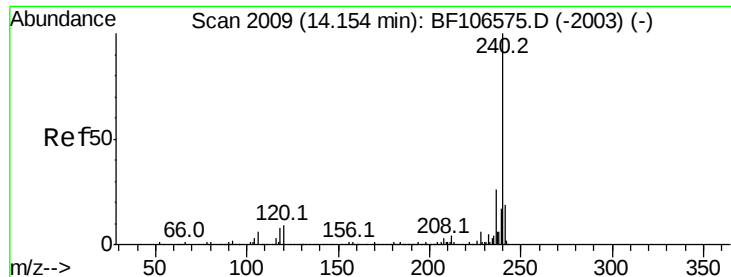
#74
 Fluoranthene
 Concen: 22.006 ng
 RT: 12.71 min Scan# 1764
 Delta R.T. -0.01 min
 Lab File: BF106682.D
 Acq: 22 Jun 2018 00:56

Tgt Ion:202 Resp: 227020
 Ion Ratio Lower Upper
 202 100
 101 11.2 0.0 34.1
 203 17.8 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. -0.01 min

Lab File: BF106682.D

Acq: 22 Jun 2018 00:56

Instrument :

BNA_F

ClientSampleId :

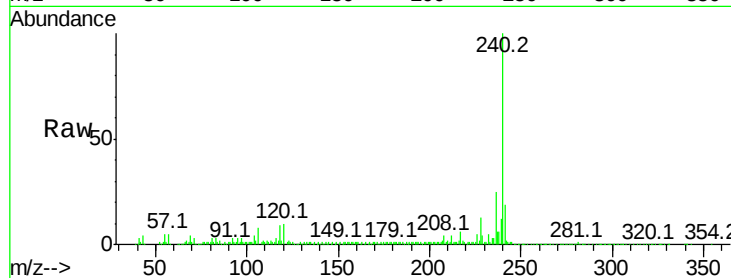
Tot Ion:240 Resp: 166819

Ion Ratio Lower Upper

240 100

120 10.3 9.5 14.3

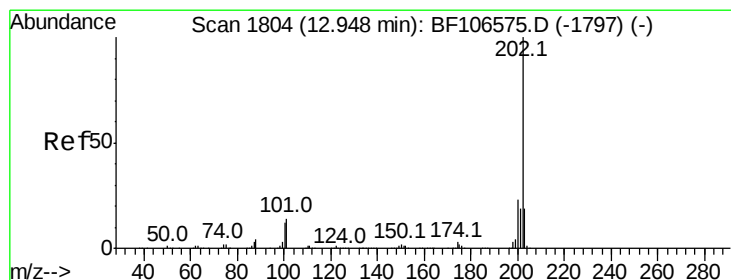
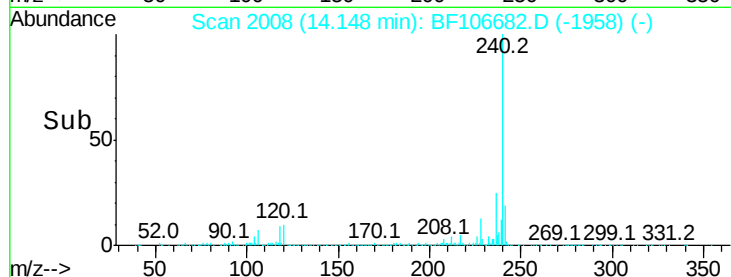
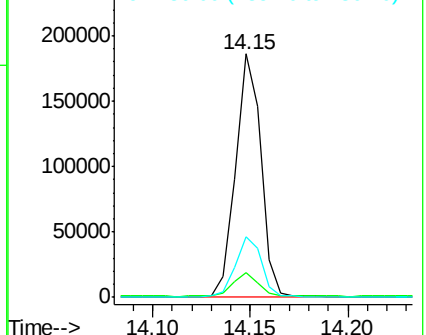
236 25.1 20.7 31.1



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: 18.337 ng

RT: 12.95 min Scan# 1804

Delta R.T. 0.00 min

Lab File: BF106682.D

Acq: 22 Jun 2018 00:56

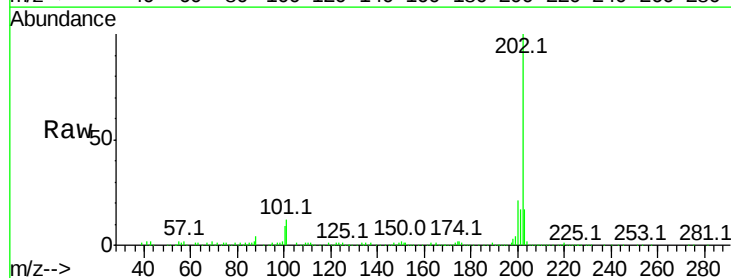
Tgt Ion:202 Resp: 201712

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

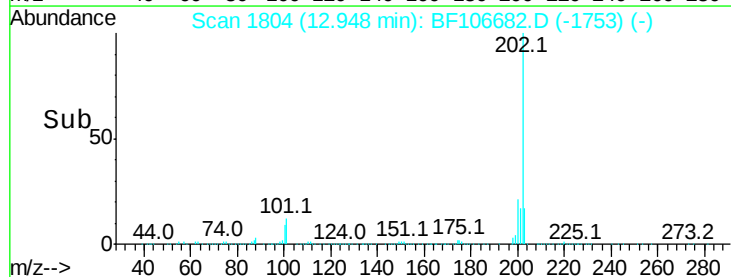
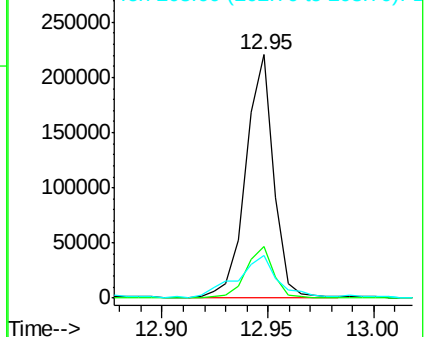
203 17.3 14.3 21.5

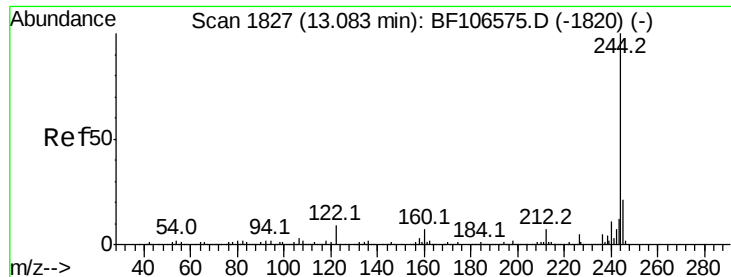


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 21.881 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF106682.D

Acq: 22 Jun 2018 00:56

Instrument :

BNA_F

ClientSampleId :

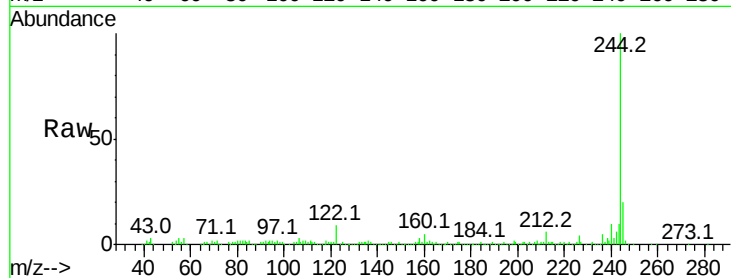
Tot Ion:244 Resp: 150690

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

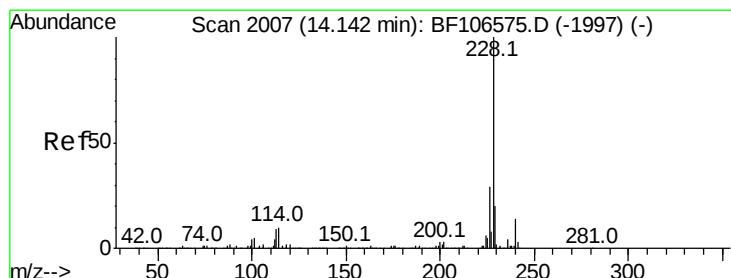
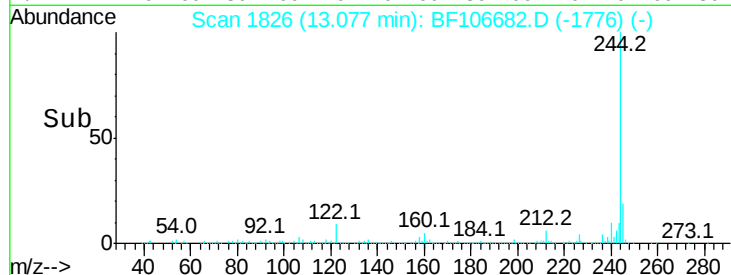
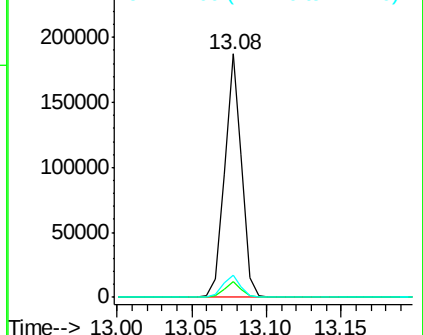
122 9.2 11.0 16.4#



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: 8.733 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF106682.D

Acq: 22 Jun 2018 00:56

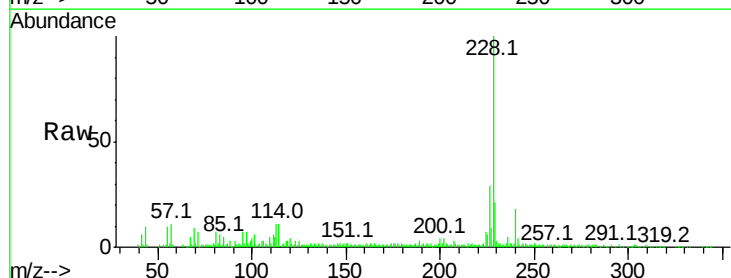
Tgt Ion:228 Resp: 88791

Ion Ratio Lower Upper

228 100

226 28.6 22.6 33.8

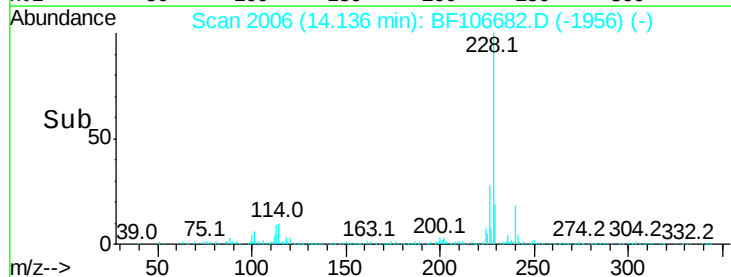
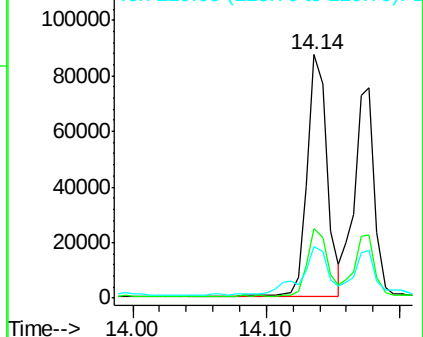
229 21.4 15.8 23.6

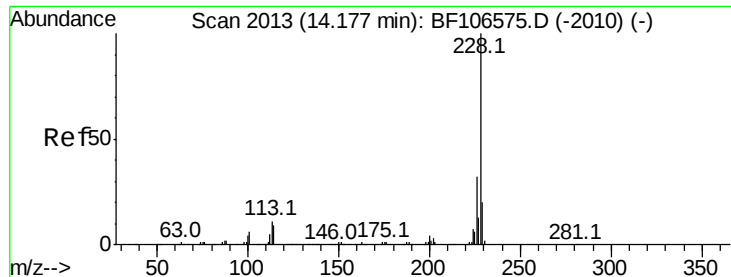


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

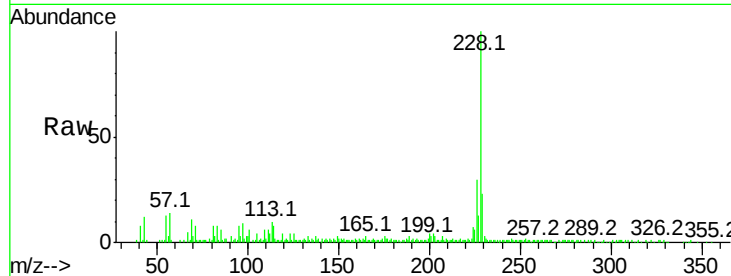




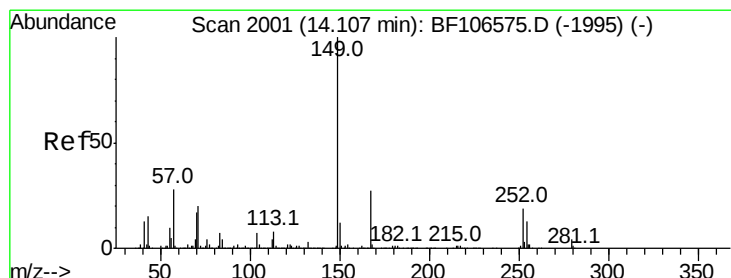
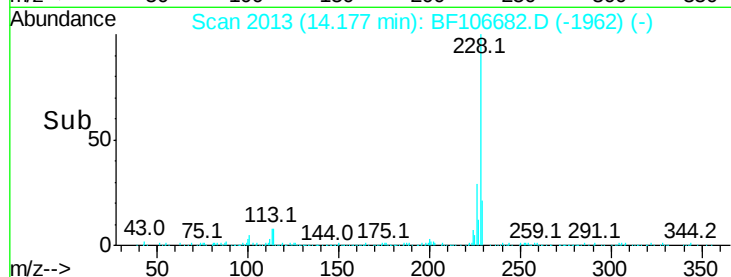
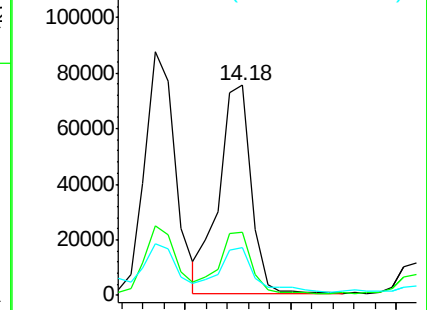
#82
Chrysene
Concen: 8.500 ng
RT: 14.18 min Scan# 2013
Delta R.T. 0.00 min
Lab File: BF106682.D
Acq: 22 Jun 2018 00:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 79505
Ion Ratio Lower Upper
228 100
226 30.2 25.0 37.6
229 22.8 16.2 24.4

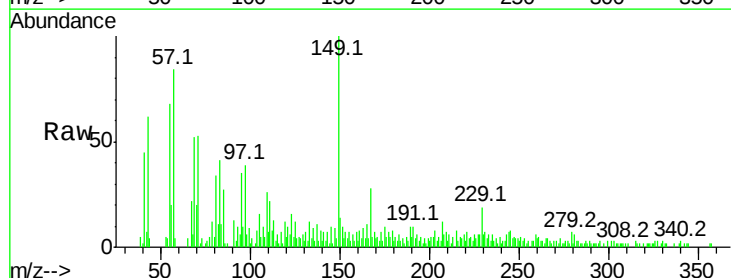


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

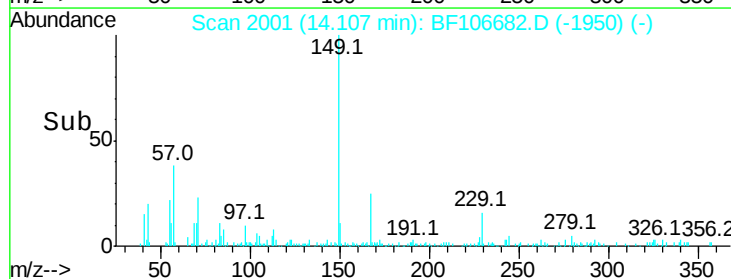
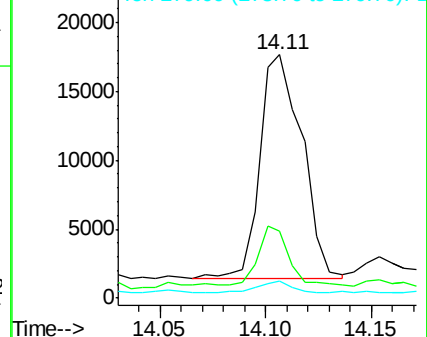


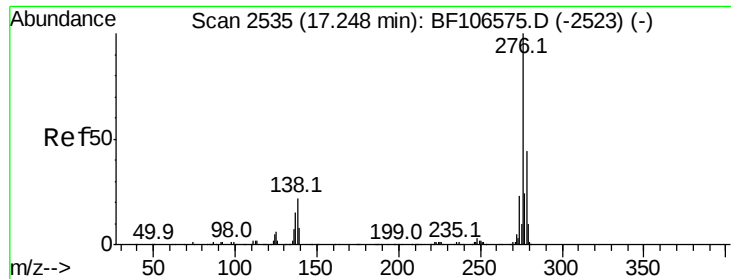
#83
Bis(2-ethylhexyl)phthalate
Concen: 3.925 ng
RT: 14.11 min Scan# 2001
Delta R.T. 0.00 min
Lab File: BF106682.D
Acq: 22 Jun 2018 00:56

Tgt Ion:149 Resp: 22698
Ion Ratio Lower Upper
149 100
167 27.7 21.3 31.9
279 6.9 3.0 4.4#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.311 ng

RT: 17.26 min Scan# 2537

Delta R.T. 0.01 min

Lab File: BF106682.D

Acq: 22 Jun 2018 00:56

Instrument :

BNA_F

ClientSampleId :

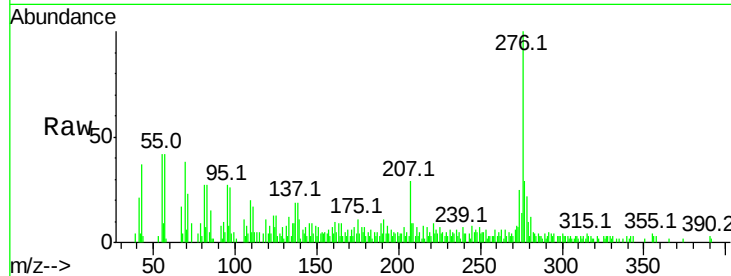
Tot Ion:276 Resp: 26285

Ion Ratio Lower Upper

276 100

138 18.3 25.0 37.6#

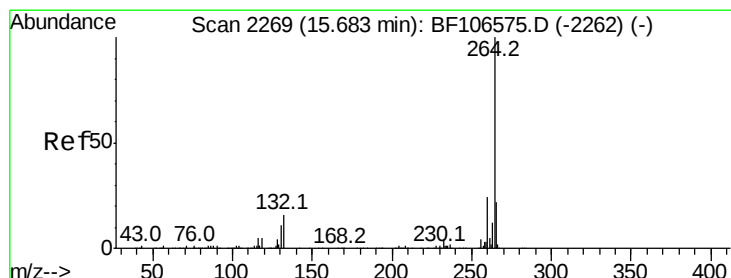
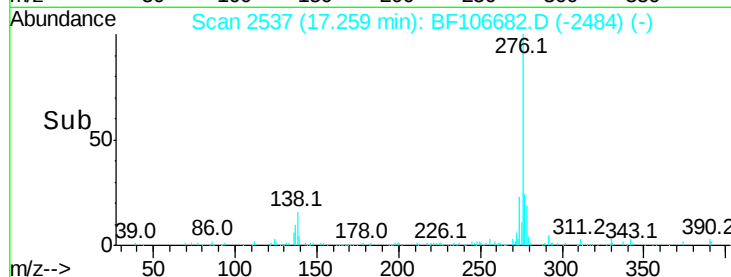
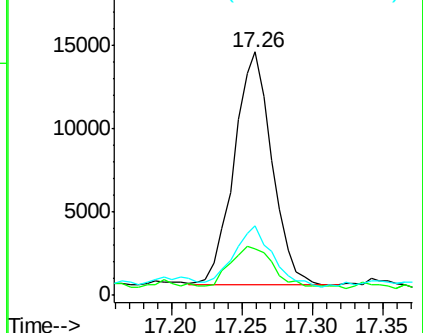
277 26.8 20.1 30.1



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

Perylene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2270

Delta R.T. 0.01 min

Lab File: BF106682.D

Acq: 22 Jun 2018 00:56

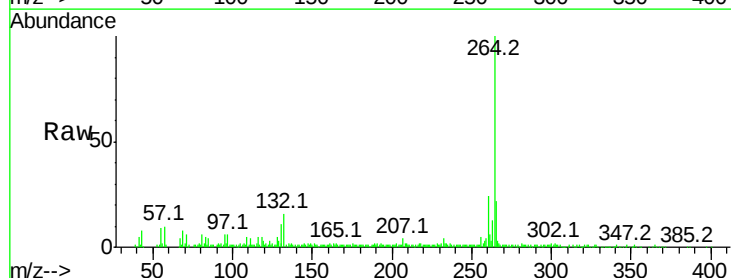
Tgt Ion:264 Resp: 121129

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

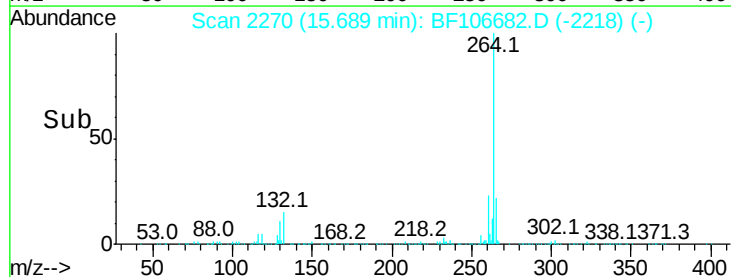
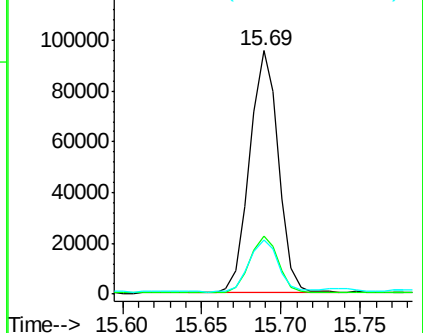
265 22.4 17.5 26.3

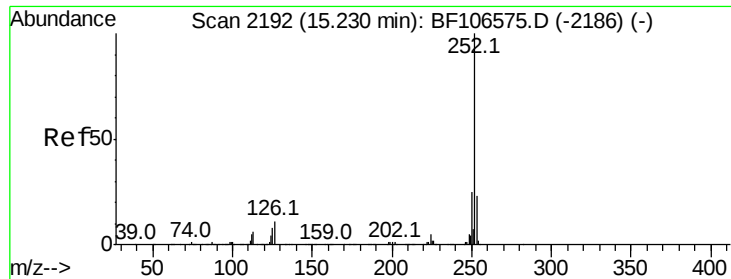


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

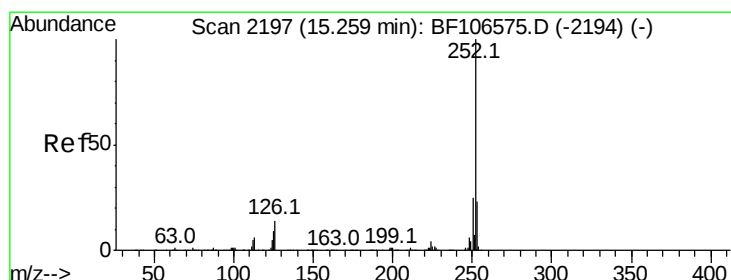
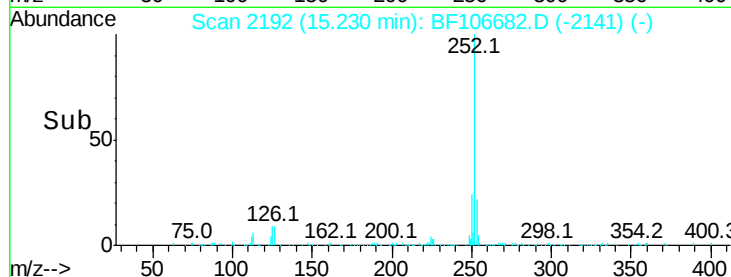
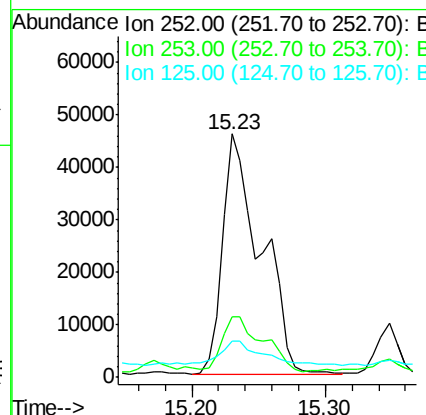
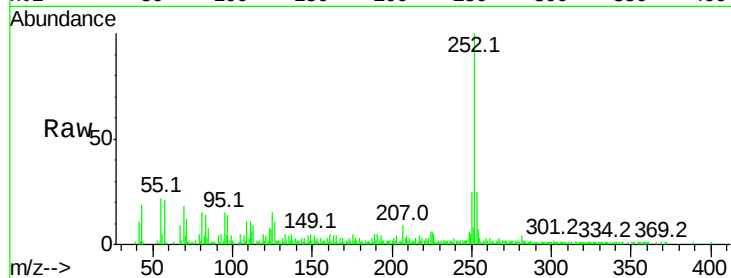




#87
Benzo(b)fluoranthene
Concen: 12.198 ng
RT: 15.23 min Scan# 2192
Delta R.T. 0.00 min
Lab File: BF106682.D
Acq: 22 Jun 2018 00:56

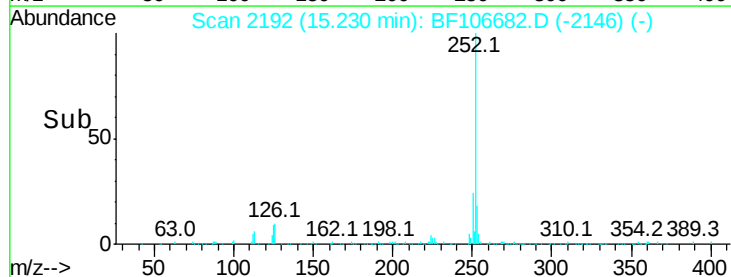
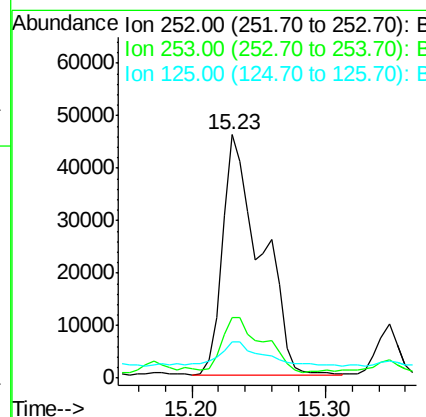
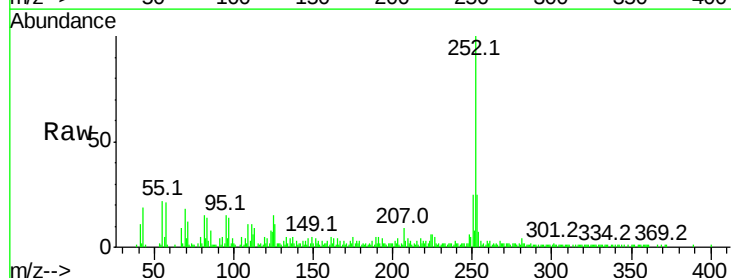
Instrument :
BNA_F
ClientSampleId :

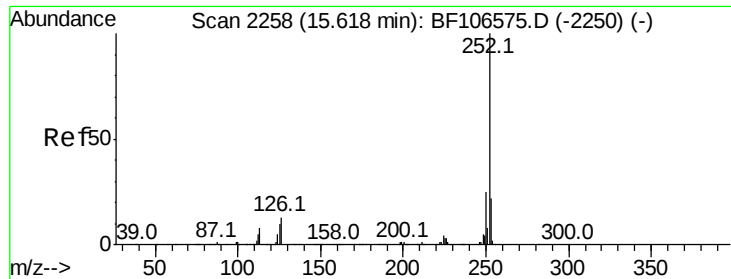
Tot Ion:252 Resp: 91780
Ion Ratio Lower Upper
252 100
253 24.8 17.0 25.6
125 15.1 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 12.809 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BF106682.D
Acq: 22 Jun 2018 00:56

Tgt Ion:252 Resp: 91780
Ion Ratio Lower Upper
252 100
253 24.8 17.9 26.9
125 15.1 10.2 15.2

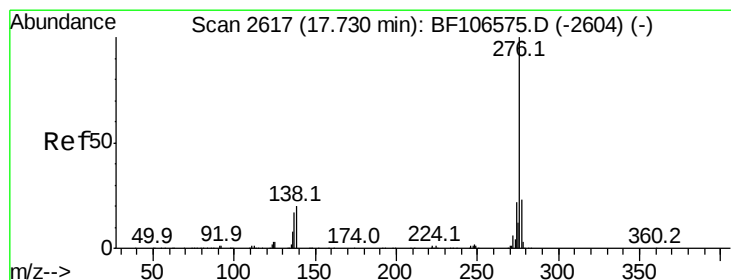
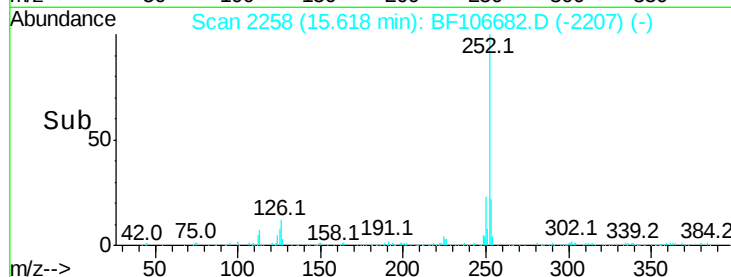
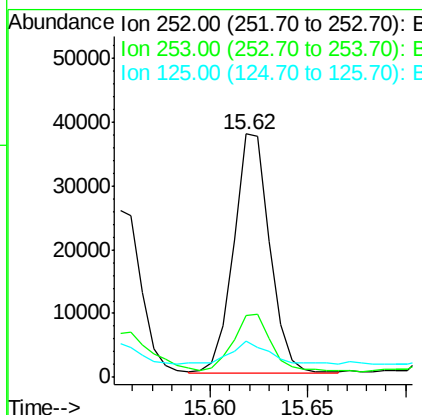
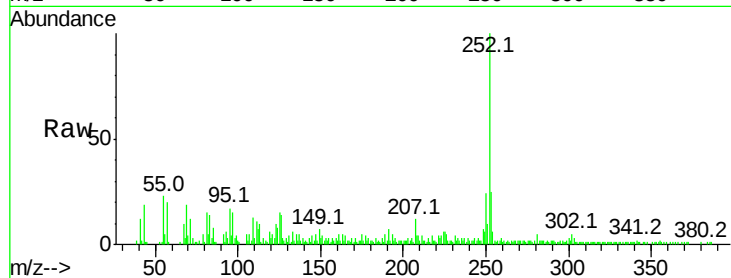




#89
Benzo(a)pyrene
Concen: 7.149 ng
RT: 15.62 min Scan# 2258
Delta R.T. 0.00 min
Lab File: BF106682.D
Acq: 22 Jun 2018 00:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.1	25.7
125	14.9	9.8	14.6



#91
Benzo(g,h,i)perylene
Concen: 4.843 ng
RT: 17.74 min Scan# 2618
Delta R.T. 0.01 min
Lab File: BF106682.D
Acq: 22 Jun 2018 00:56

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.1	17.9	26.9
138	22.3	21.8	32.8

