

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091818\
 Data File : BF109103.D
 Acq On : 18 Sep 2018 18:41
 Operator : JU/SJ
 Sample : J4947-01 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 19 04:02:27 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 14 13:26:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	120943	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	421634	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	159699	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	188747	20.00	ng	0.02
75) Chrysene-d12	13.88	240	262974	20.00	ng	0.02
86) Perylene-d12	15.28	264	329800	20.00	ng	0.02

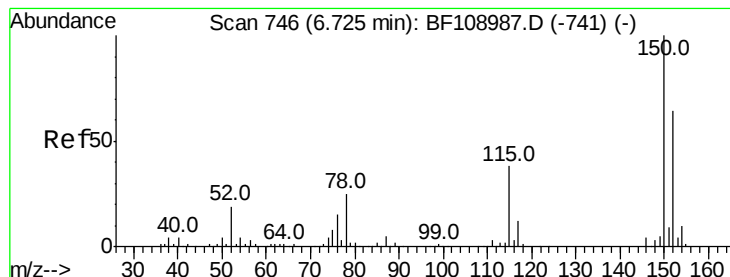
System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	226368	31.09	ng	0.00
7) Phenol-d6	6.35	99	277855	29.59	ng	-0.01
23) Nitrobenzene-d5	7.28	82	161955	21.54	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	41736	24.08	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	273748	26.86	ng	0.00
78) Terphenyl-d14	12.84	244	184961	16.67	ng	0.03

Target Compounds

						Qvalue
19) n-Nitroso-di-n-propylamine	7.28	70	21967	3.539	ng	# 76
25) Isophorone	7.28	82	161952	12.533	ng	# 64
49) Dimethylphthalate	9.47	163	37649	3.298	ng	# 88
50) 2,6-Dinitrotoluene	9.52	165	17489	6.909	ng	# 28
59) Diethylphthalate	10.17	149	25255	2.191	ng	# 37
68) Atrazine	10.96	200	4886	2.472	ng	# 1
70) Phenanthrene	11.28	178	34358	3.713	ng	# 13
73) Di-n-butylphthalate	11.84	149	29392	2.704	ng	# 36
74) Fluoranthene	12.47	202	71026	7.271	ng	# 81
77) Pyrene	12.70	202	74539	3.816	ng	# 82
80) Benzo(a)anthracene	13.87	228	46417	2.915	ng	# 83
82) Chrysene	13.91	228	55040	3.455	ng	# 89
83) Bis(2-ethylhexyl)phthalate	13.87	149	39897	3.777	ng	# 84
85) Indeno(1,2,3-cd)pyrene	16.62	276	35610	2.796	ng	# 90
87) Benzo(b)fluoranthene	14.88	252	120106	6.583	ng	# 63
88) Benzo(k)fluoranthene	14.88	252	120106	7.048	ng	# 66
89) Benzo(a)pyrene	15.21	252	57409	3.543	ng	# 67
91) Benzo(g,h,i)perylene	17.02	276	31647	2.325	ng	# 89

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

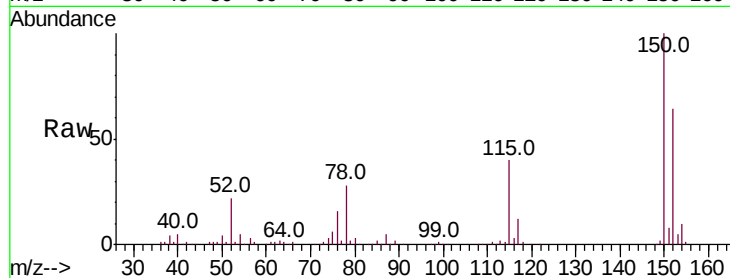


#1

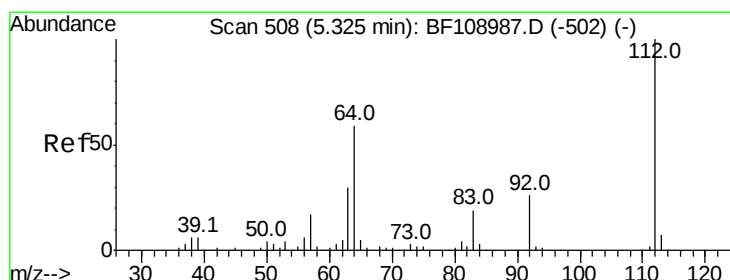
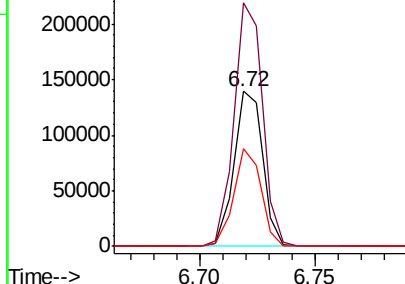
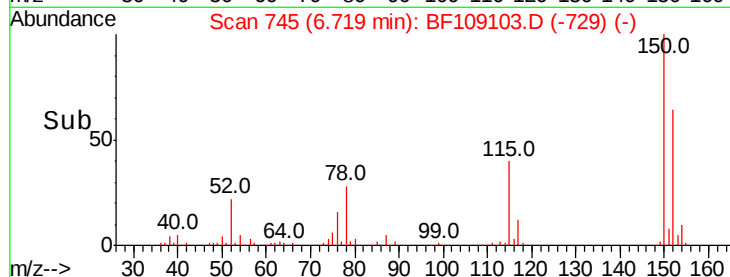
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: BF109103.D
 Acq: 18 Sep 2018 18:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 120943
 Ion Ratio Lower Upper
 152 100
 150 157.2 124.6 186.8
 115 63.3 50.1 75.1



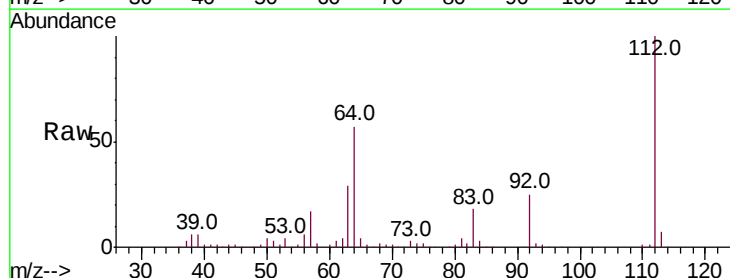
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



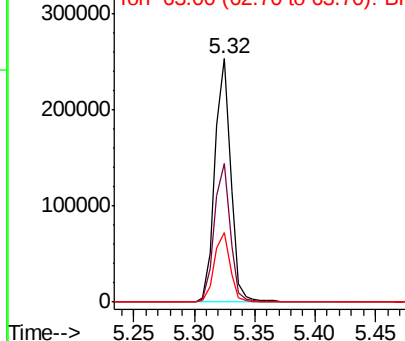
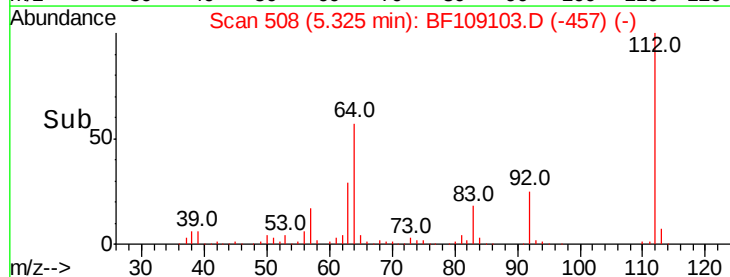
#5

2-Fluorophenol
 Concen: 31.087 ng
 RT: 5.32 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: BF109103.D
 Acq: 18 Sep 2018 18:41

Tgt Ion:112 Resp: 226368
 Ion Ratio Lower Upper
 112 100
 64 56.9 47.9 71.9
 63 28.8 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: 29.592 ng

RT: 6.35 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF109103.D

Acq: 18 Sep 2018 18:41

Instrument :

BNA_F

ClientSampleId :

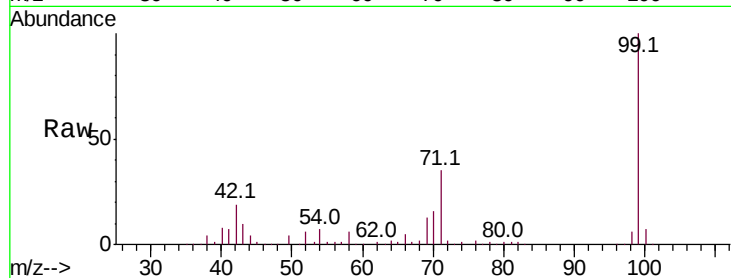
Tot Ion: 99 Resp: 277855

Ion Ratio Lower Upper

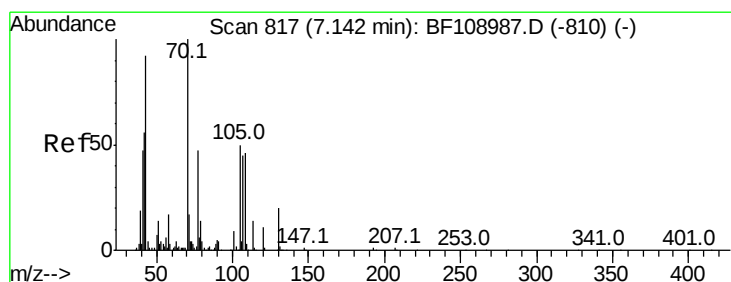
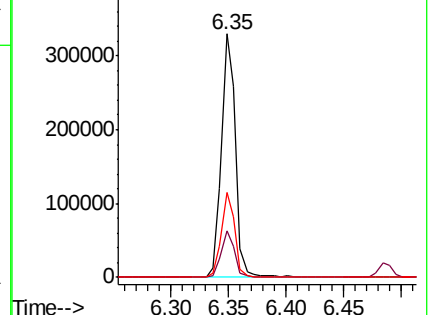
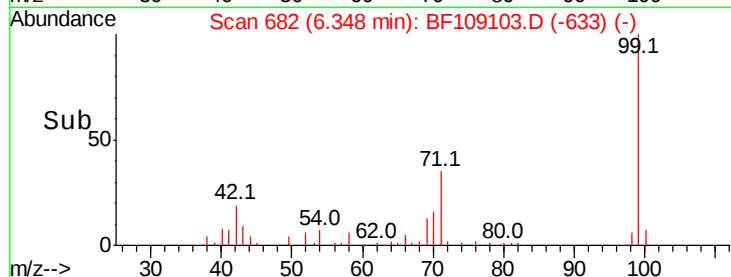
99 100

42 18.9 14.5 21.7

71 34.8 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



#19

n-Nitroso-di-n-propylamine

Concen: 3.539 ng

RT: 7.28 min Scan# 840

Delta R.T. 0.14 min

Lab File: BF109103.D

Acq: 18 Sep 2018 18:41

Tgt Ion: 70 Resp: 21967

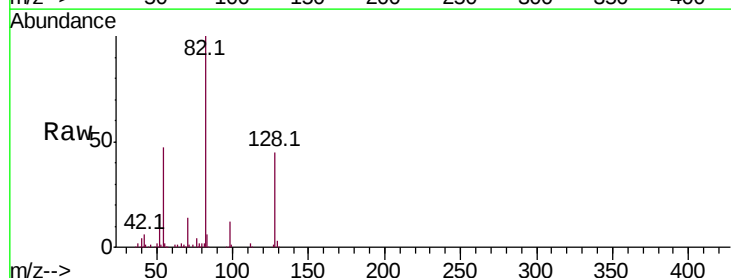
Ion Ratio Lower Upper

70 100

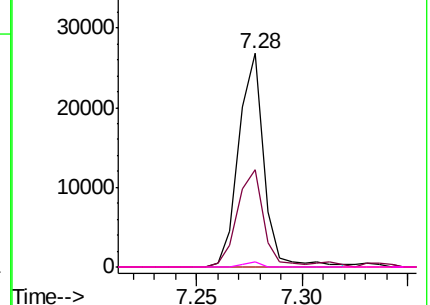
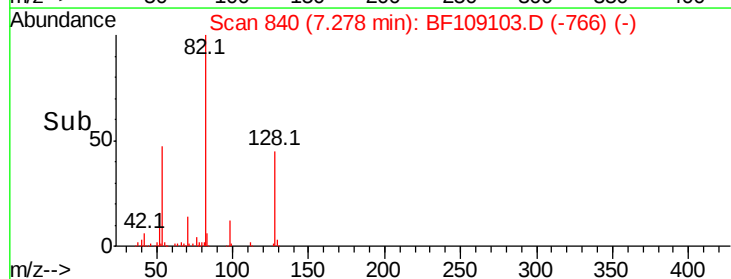
42 45.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.6 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: 8.00 min Scan# 963

Delta R.T. -0.01 min

Lab File: BF109103.D

Acq: 18 Sep 2018 18:41

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 421634

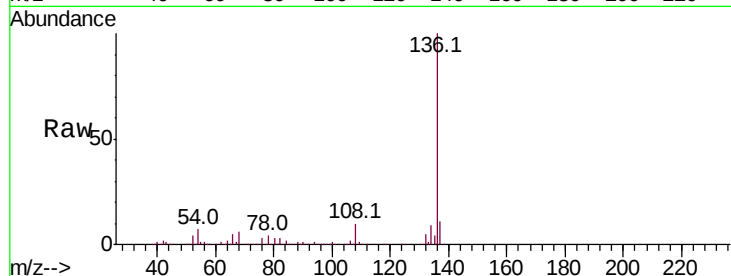
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 7.5 6.6 9.8

68 6.2 5.0 7.4

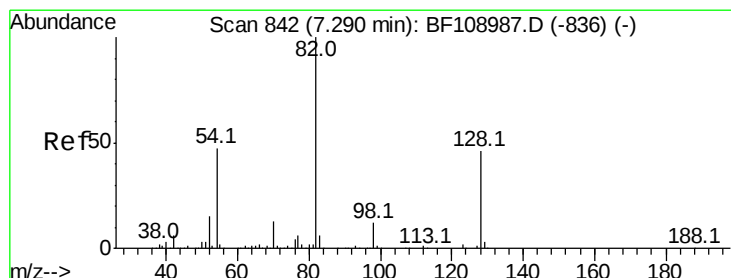
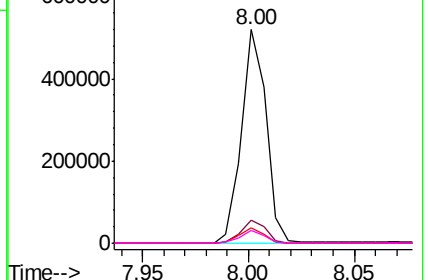
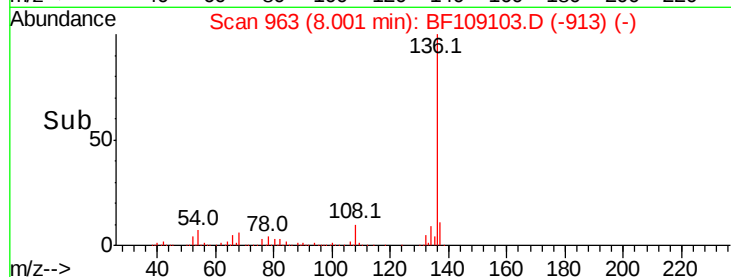


Abundance Ion 136.00 (135.70 to 136.70): E

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: 21.544 ng

RT: 7.28 min Scan# 840

Delta R.T. -0.01 min

Lab File: BF109103.D

Acq: 18 Sep 2018 18:41

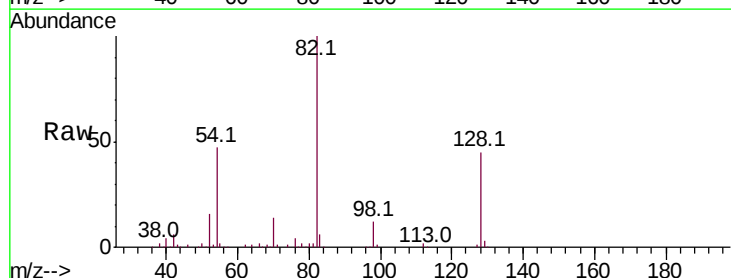
Tgt Ion: 82 Resp: 161955

Ion Ratio Lower Upper

82 100

128 45.2 36.1 54.1

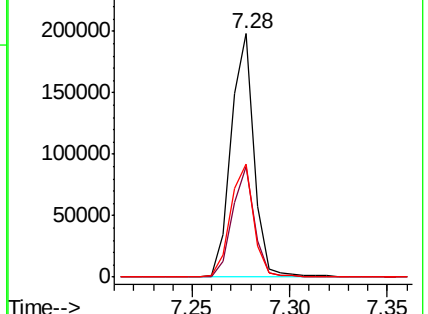
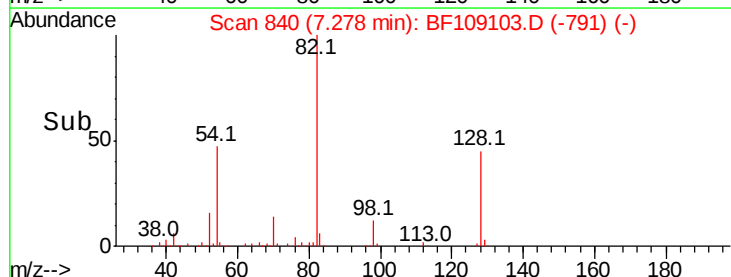
54 46.7 41.4 62.2

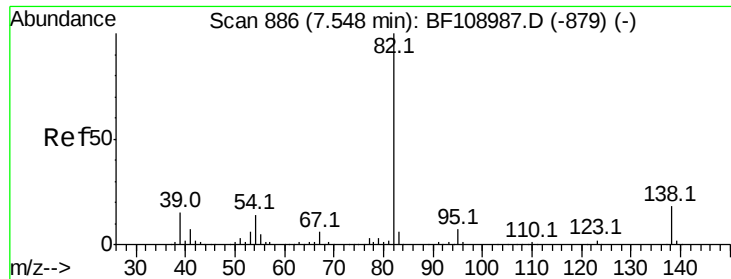


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 12.533 ng

RT: 7.28 min Scan# 840

Delta R.T. -0.27 min

Lab File: BF109103.D

Acq: 18 Sep 2018 18:41

Instrument :

BNA_F

ClientSampled :

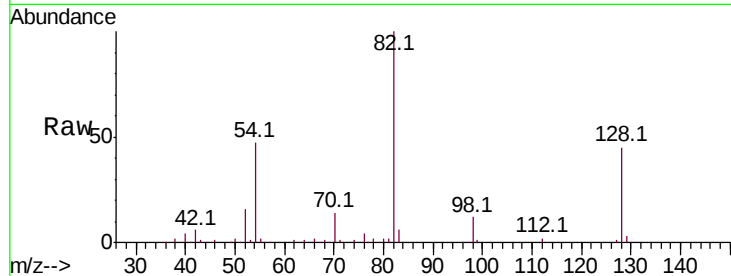
Tot Ion: 82 Resp: 161952

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

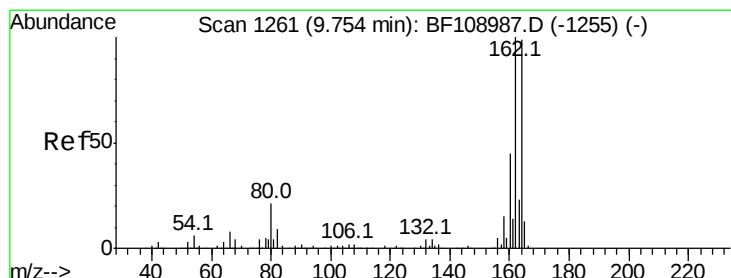
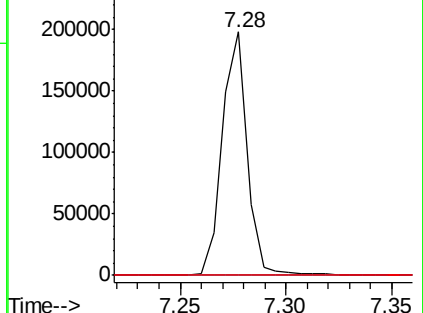
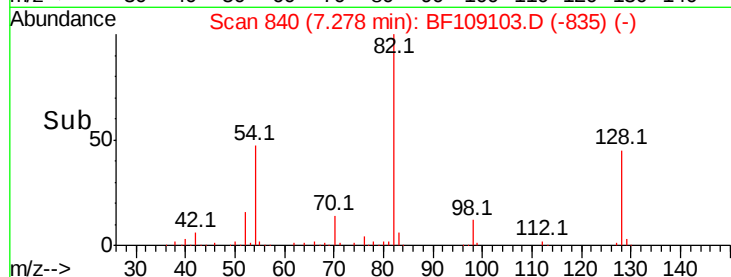
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1261

Delta R.T. -0.00 min

Lab File: BF109103.D

Acq: 18 Sep 2018 18:41

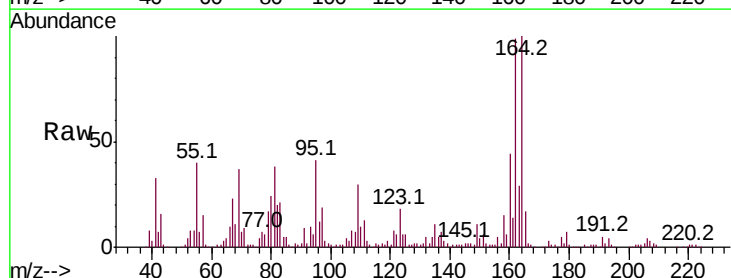
Tgt Ion:164 Resp: 159699

Ion Ratio Lower Upper

164 100

162 99.5 86.1 129.1

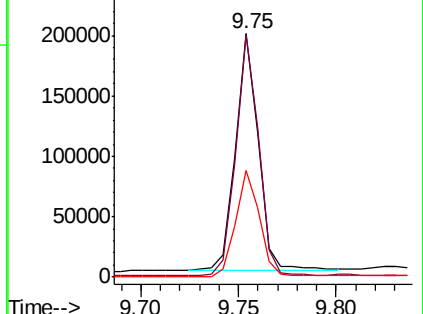
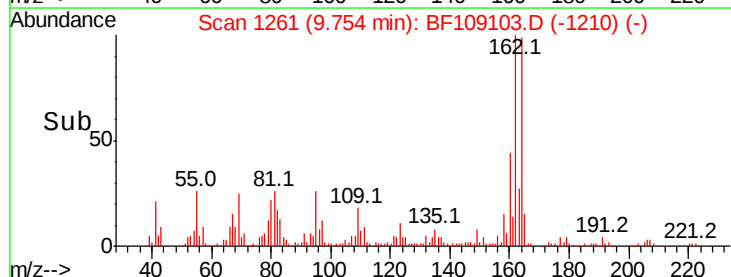
160 44.0 38.3 57.5

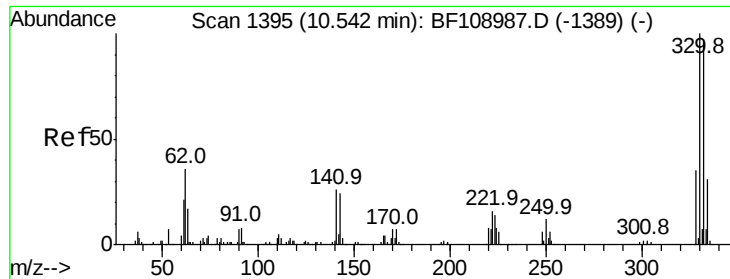


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 24.081 ng

RT: 10.55 min Scan# 1396

Delta R.T. 0.01 min

Lab File: BF109103.D

Acq: 18 Sep 2018 18:41

Instrument :

BNA_F

ClientSampleId :

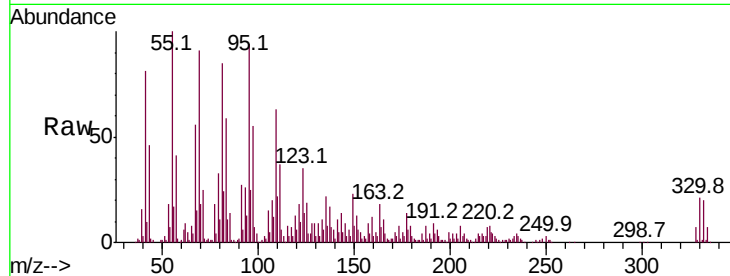
Tot Ion:330 Resp: 41736

Ion Ratio Lower Upper

330 100

332 94.7 77.0 115.6

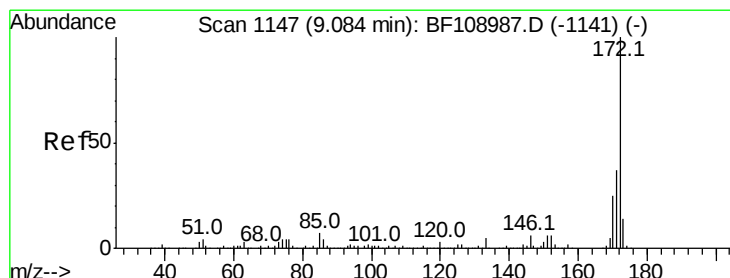
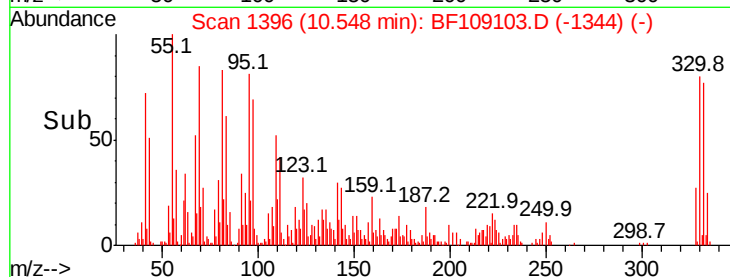
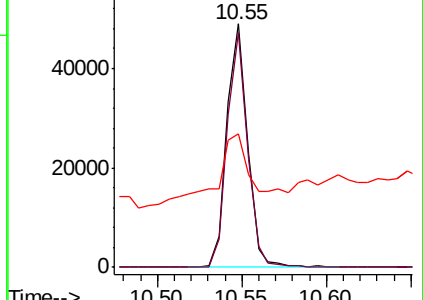
141 47.0 29.9 44.9#



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: 26.856 ng

RT: 9.08 min Scan# 1146

Delta R.T. -0.01 min

Lab File: BF109103.D

Acq: 18 Sep 2018 18:41

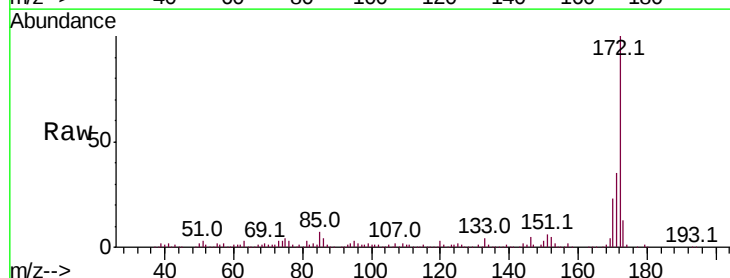
Tgt Ion:172 Resp: 273748

Ion Ratio Lower Upper

172 100

171 35.4 29.7 44.5

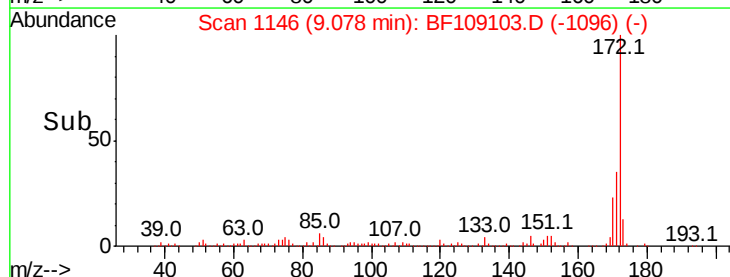
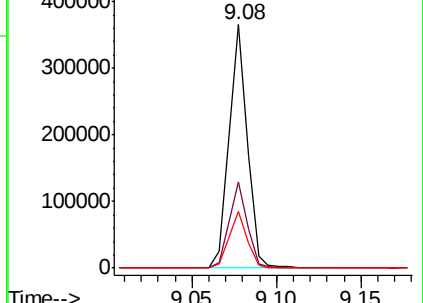
170 23.1 19.6 29.4

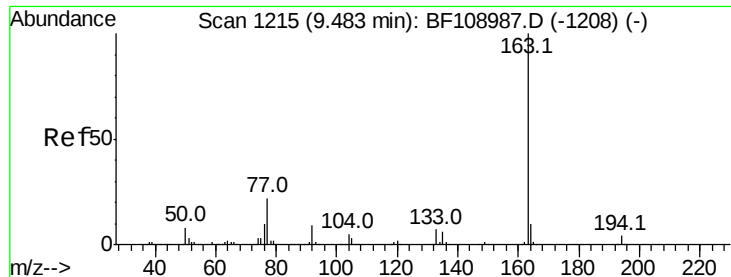


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 3.298 ng

RT: 9.47 min Scan# 1213

Delta R.T. -0.01 min

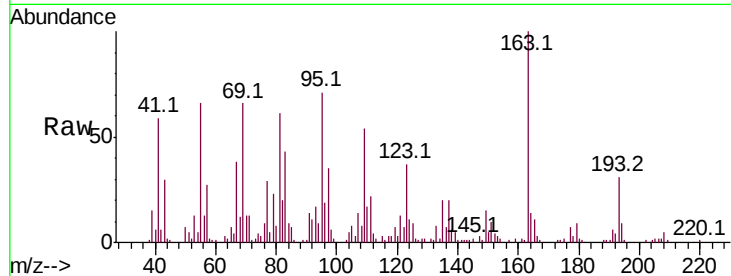
Lab File: BF109103.D

Acq: 18 Sep 2018 18:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 37649

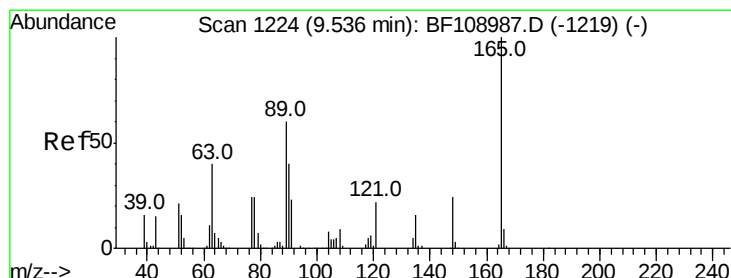
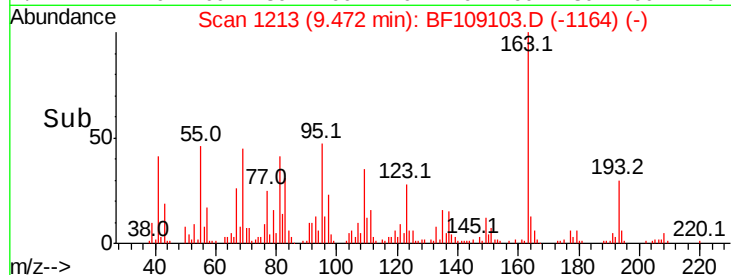
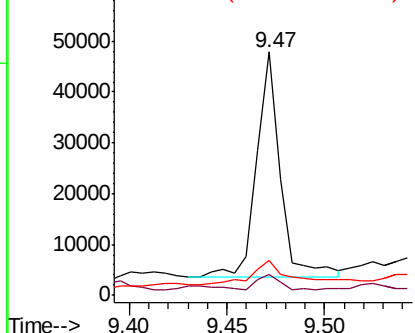
Ion	Ratio	Lower	Upper
163	100		
194	8.7	2.7	4.1#
164	14.2	8.2	12.2#



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



#50

2,6-Dinitrotoluene

Concen: 6.909 ng

RT: 9.52 min Scan# 1221

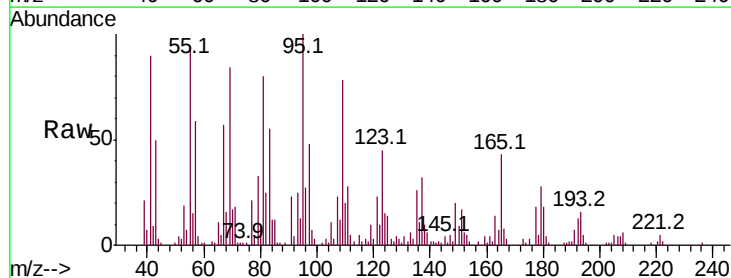
Delta R.T. -0.02 min

Lab File: BF109103.D

Acq: 18 Sep 2018 18:41

Tgt Ion:165 Resp: 17489

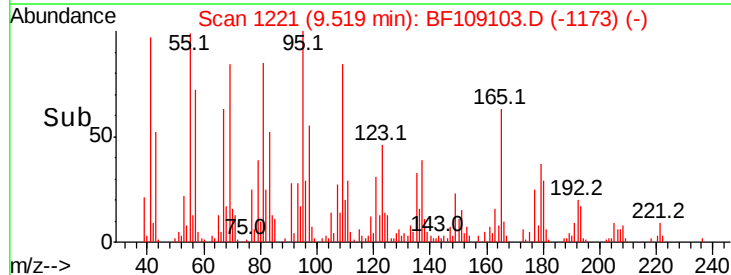
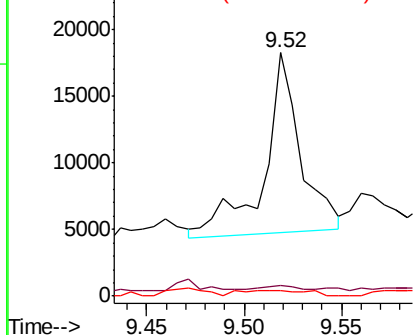
Ion	Ratio	Lower	Upper
165	100		
63	4.1	44.7	67.1#
89	2.1	44.0	66.0#

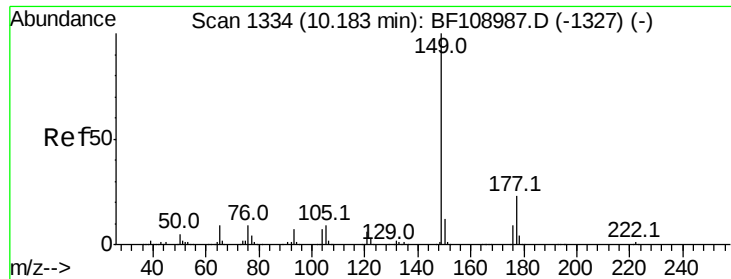


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

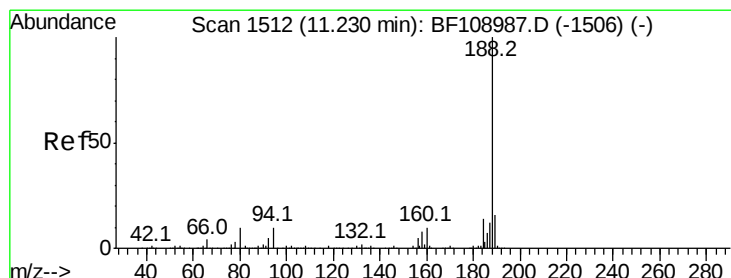
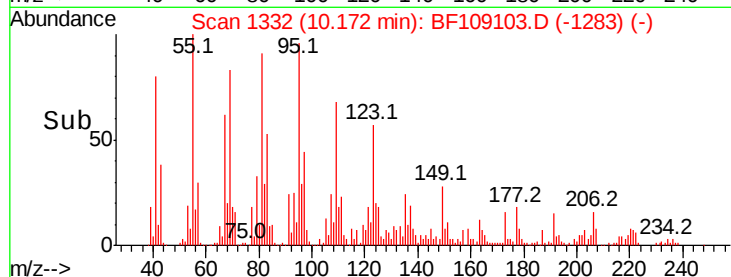
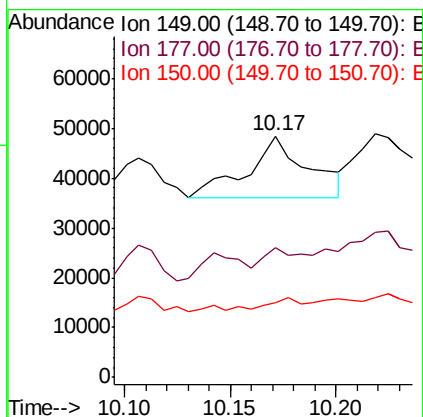
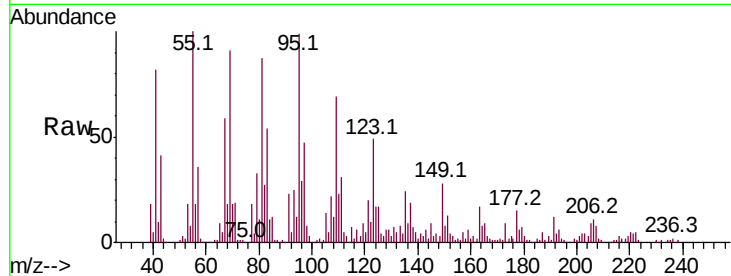




#59
Diethylphthalate
Concen: 2.191 ng
RT: 10.17 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF109103.D
Acq: 18 Sep 2018 18:41

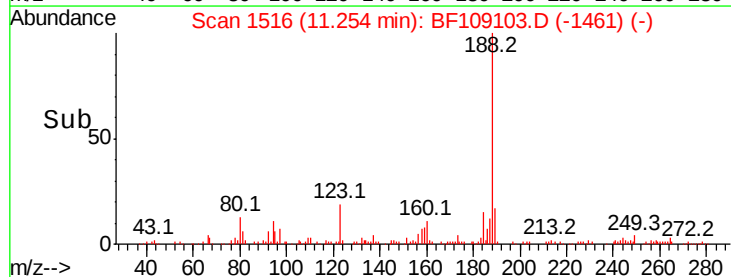
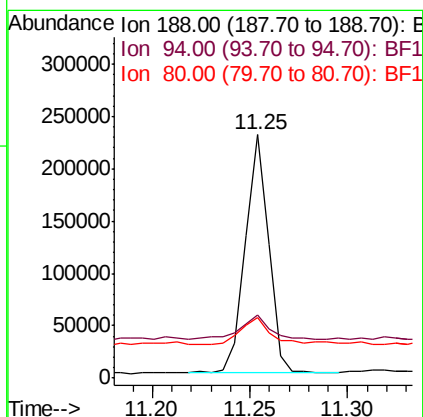
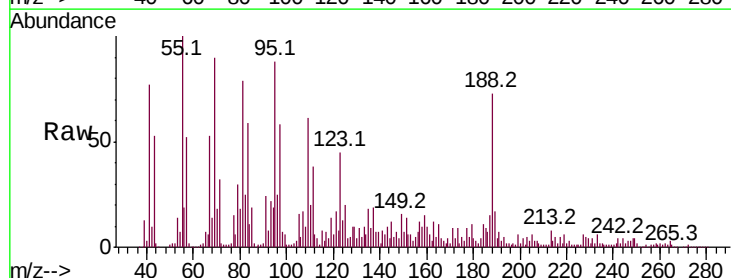
Instrument :
BNA_F
ClientSampled :

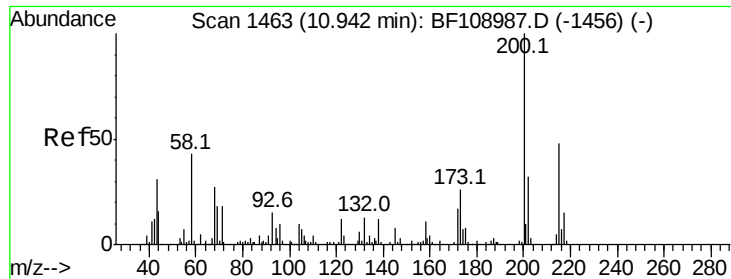
Tot Ion:149 Resp: 25255
Ion Ratio Lower Upper
149 100
177 53.6 16.1 24.1#
150 30.8 10.1 15.1#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1516
Delta R.T. 0.02 min
Lab File: BF109103.D
Acq: 18 Sep 2018 18:41

Tgt Ion:188 Resp: 188747
Ion Ratio Lower Upper
188 100
94 25.8 8.5 12.7#
80 25.1 9.2 13.8#

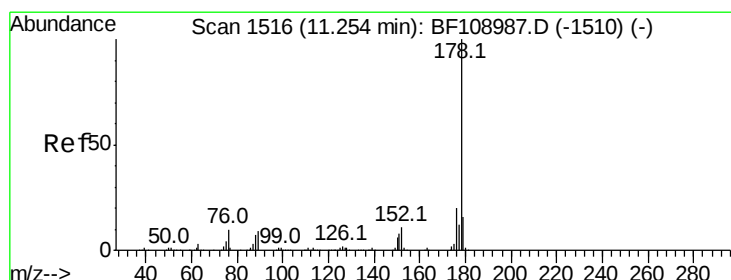
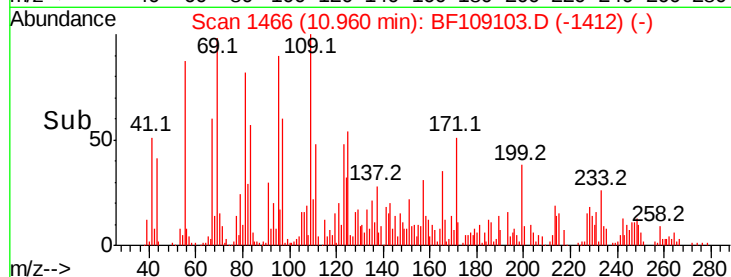
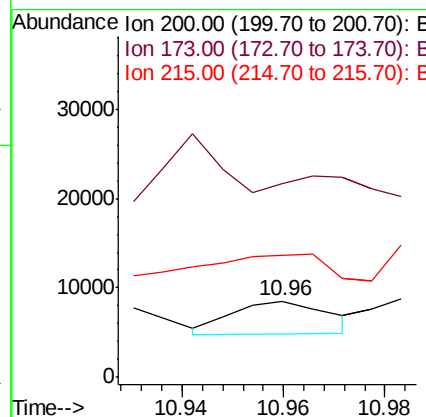
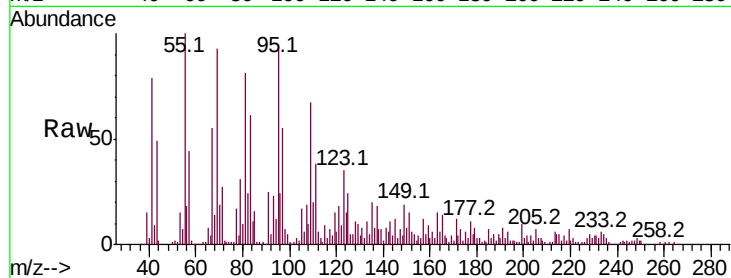




#68
Atrazine
Concen: 2.472 ng
RT: 10.96 min Scan# 1466
Delta R.T. 0.02 min
Lab File: BF109103.D
Acq: 18 Sep 2018 18:41

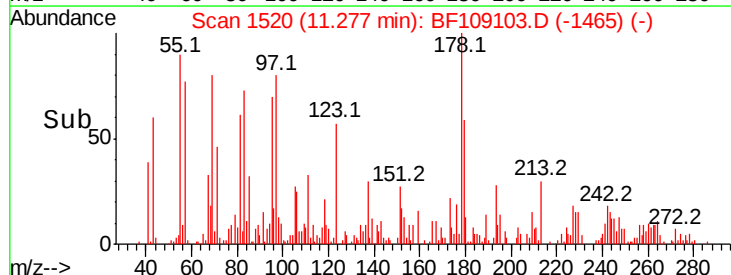
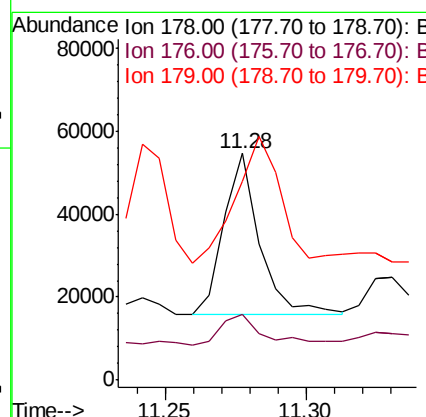
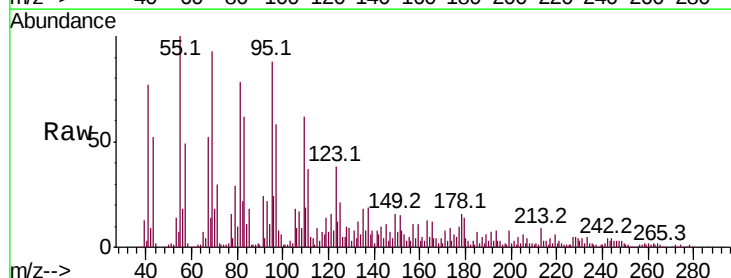
Instrument :
BNA_F
ClientSampled :

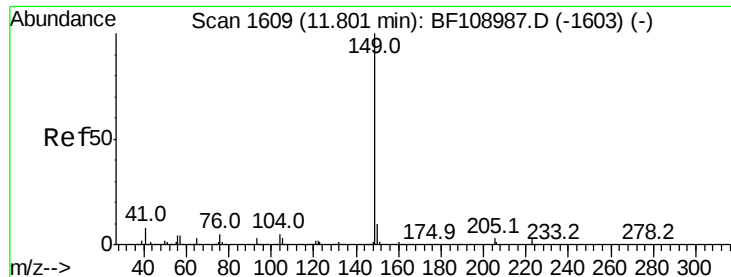
Tot Ion:200 Resp: 4886
Ion Ratio Lower Upper
200 100
173 254.3 8.6 48.6#
215 159.6 25.1 65.1#



#70
Phenanthrene
Concen: 3.713 ng
RT: 11.28 min Scan# 1520
Delta R.T. 0.02 min
Lab File: BF109103.D
Acq: 18 Sep 2018 18:41

Tgt Ion:178 Resp: 34358
Ion Ratio Lower Upper
178 100
176 29.0 15.8 23.8#
179 87.9 13.0 19.6#

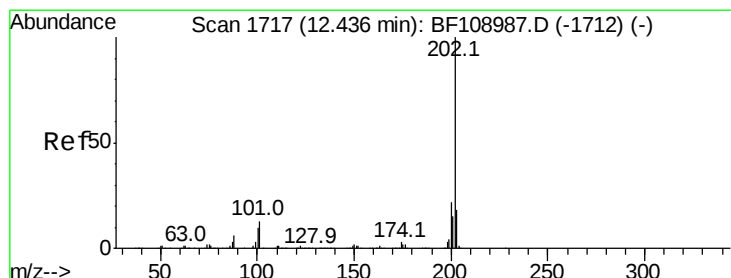
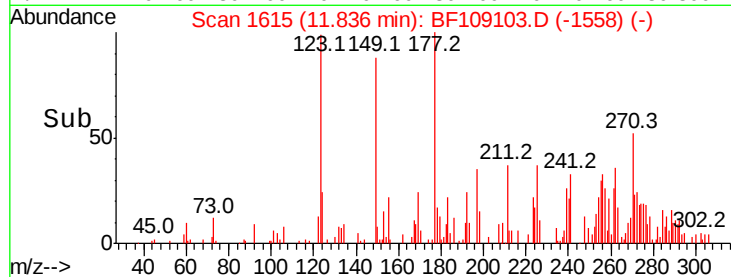
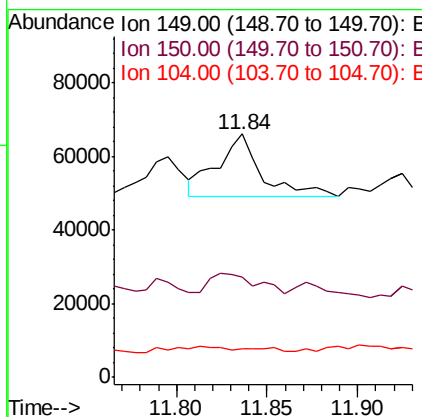
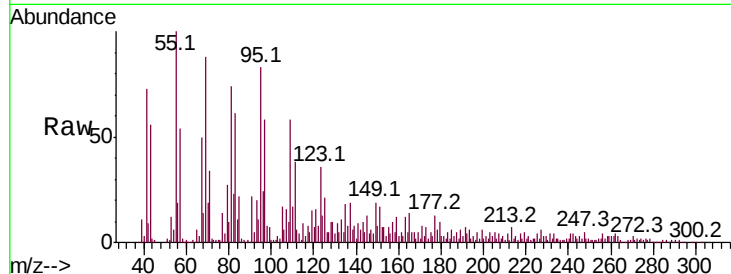




#73
Di-n-butylphthalate
Concen: 2.704 ng
RT: 11.84 min Scan# 1615
Delta R.T. 0.04 min
Lab File: BF109103.D
Acq: 18 Sep 2018 18:41

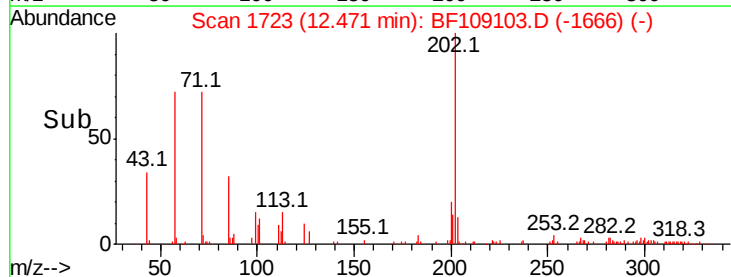
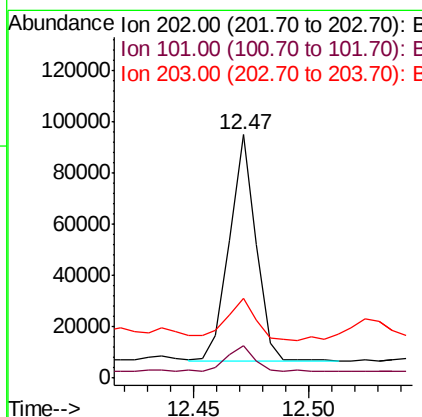
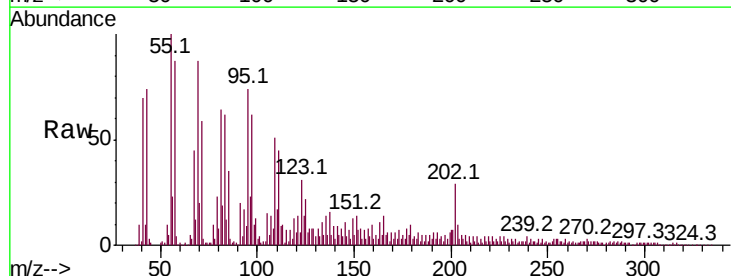
Instrument :
BNA_F
ClientSampled :

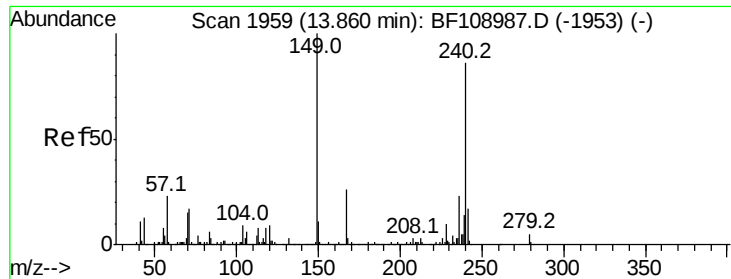
Tot Ion:149 Resp: 29392
Ion Ratio Lower Upper
149 100
150 41.1 7.8 11.6#
104 11.7 3.8 5.8#



#74
Fluoranthene
Concen: 7.271 ng
RT: 12.47 min Scan# 1723
Delta R.T. 0.04 min
Lab File: BF109103.D
Acq: 18 Sep 2018 18:41

Tgt Ion:202 Resp: 71026
Ion Ratio Lower Upper
202 100
101 13.5 0.0 34.1
203 32.9 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.88 min Scan# 1963

Delta R.T. 0.02 min

Lab File: BF109103.D

Acq: 18 Sep 2018 18:41

Instrument :

BNA_F

ClientSampleId :

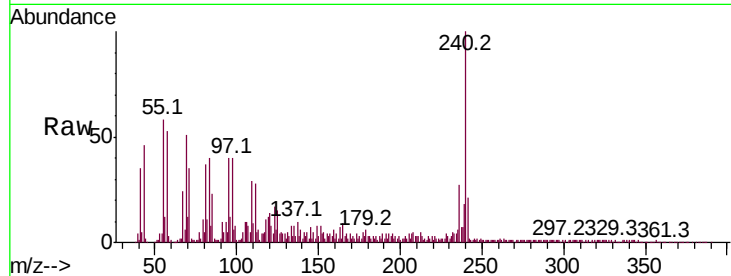
Tot Ion:240 Resp: 262974

Ion Ratio Lower Upper

240 100

120 14.4 9.5 14.3#

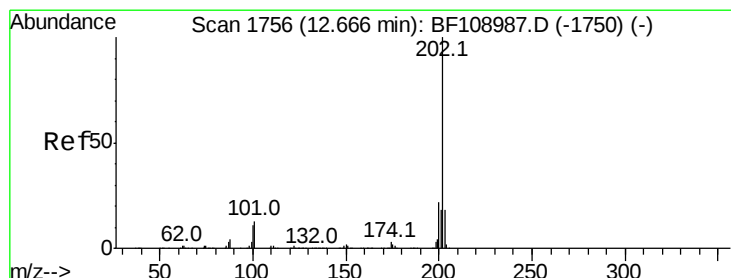
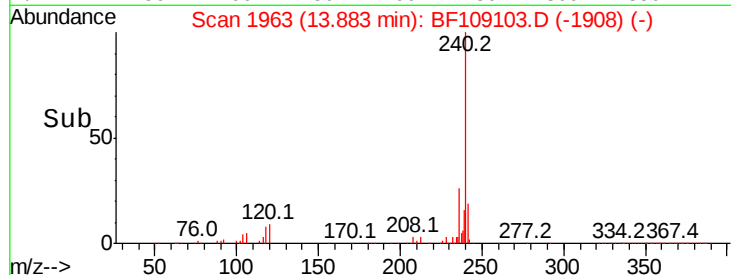
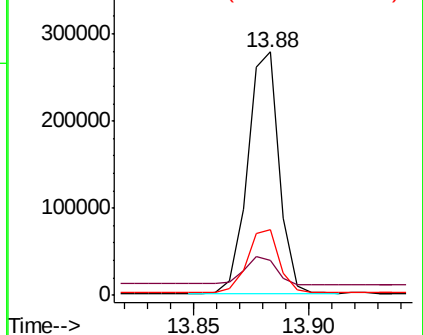
236 26.8 20.7 31.1



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: 3.816 ng

RT: 12.70 min Scan# 1762

Delta R.T. 0.04 min

Lab File: BF109103.D

Acq: 18 Sep 2018 18:41

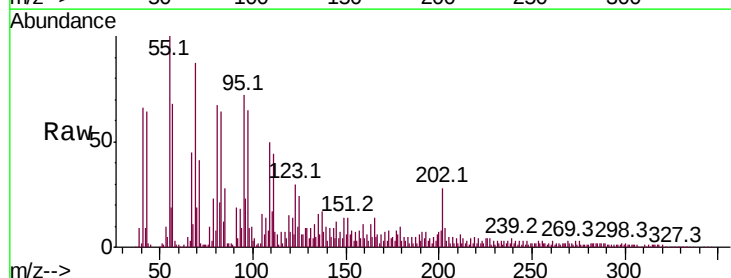
Tgt Ion:202 Resp: 74539

Ion Ratio Lower Upper

202 100

200 23.7 17.4 26.2

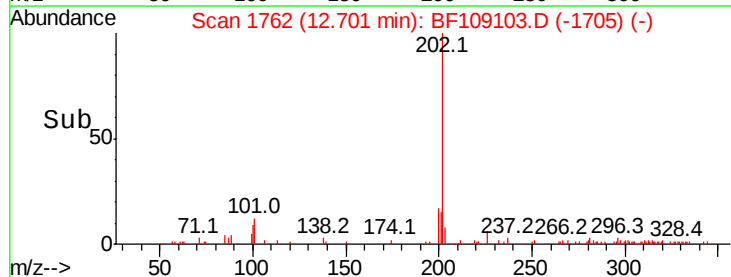
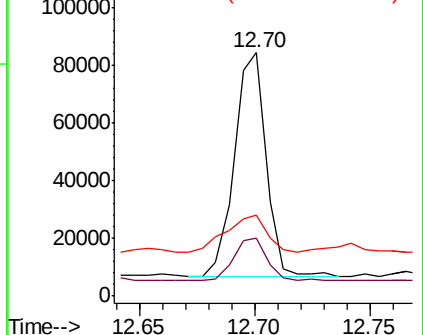
203 33.2 14.3 21.5#

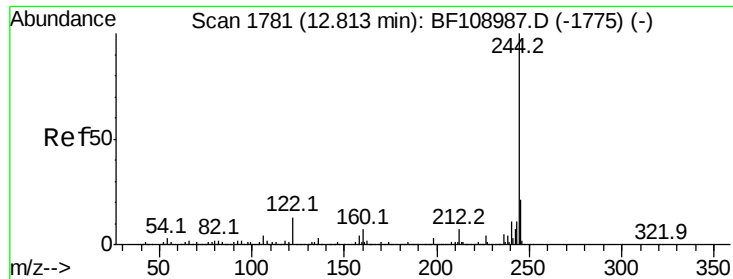


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 16.671 ng

RT: 12.84 min Scan# 1786

Delta R.T. 0.03 min

Lab File: BF109103.D

Acq: 18 Sep 2018 18:41

Instrument :

BNA_F

ClientSampleId :

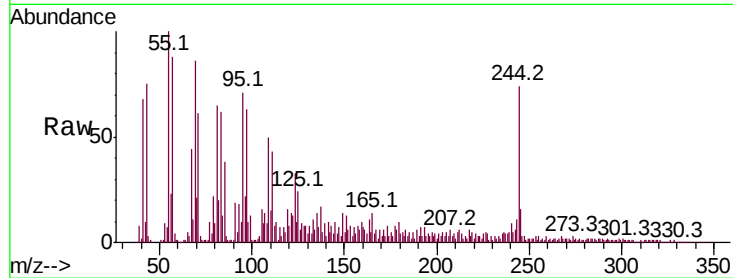
Tot Ion:244 Resp: 184961

Ion Ratio Lower Upper

244 100

212 8.2 5.4 8.0#

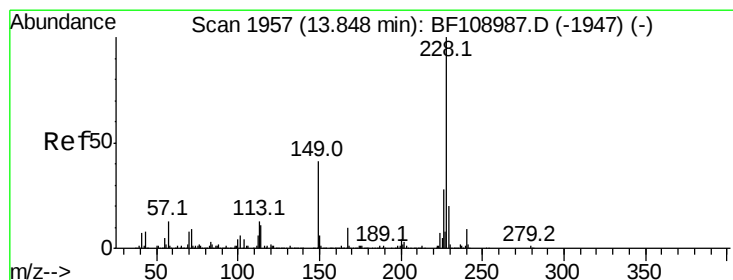
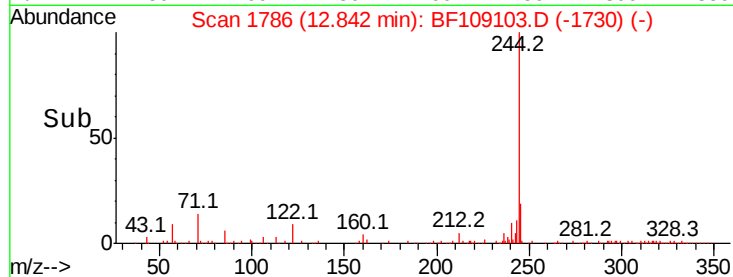
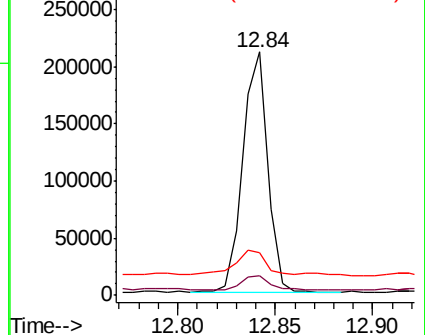
122 17.7 11.0 16.4#



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: 2.915 ng

RT: 13.87 min Scan# 1961

Delta R.T. 0.02 min

Lab File: BF109103.D

Acq: 18 Sep 2018 18:41

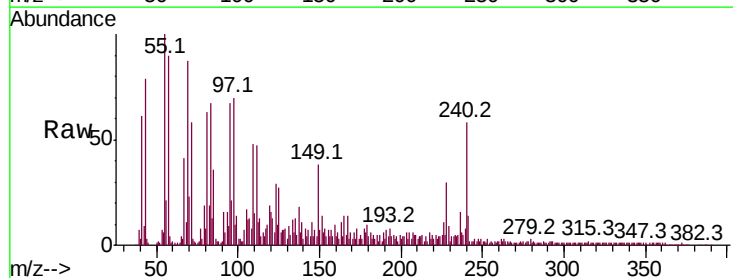
Tgt Ion:228 Resp: 46417

Ion Ratio Lower Upper

228 100

226 35.2 22.6 33.8#

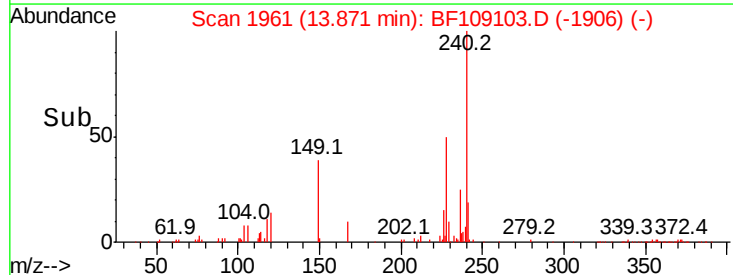
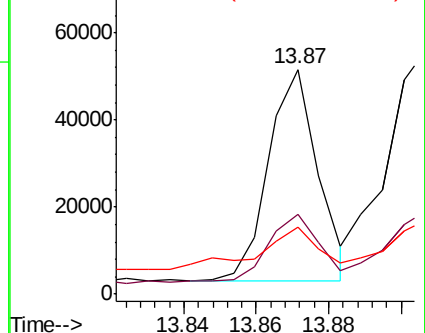
229 29.9 15.8 23.6#

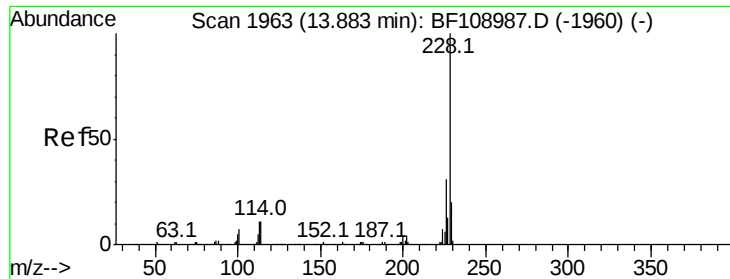


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.455 ng

RT: 13.91 min Scan# 1967

Delta R.T. 0.02 min

Lab File: BF109103.D

Acq: 18 Sep 2018 18:41

Instrument :

BNA_F

ClientSampleId :

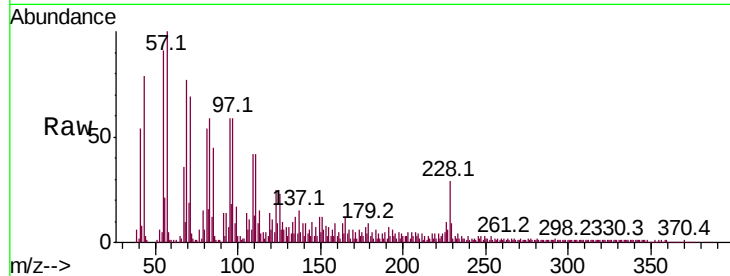
Tot Ion:228 Resp: 55040

Ion Ratio Lower Upper

228 100

226 33.7 25.0 37.6

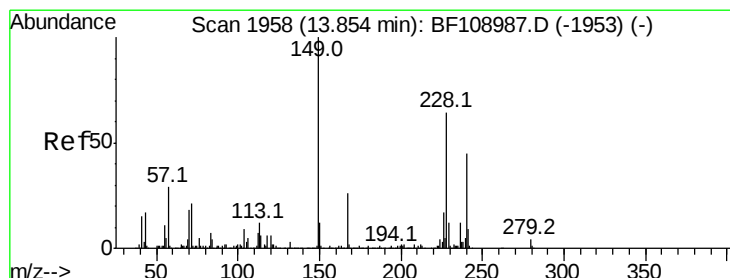
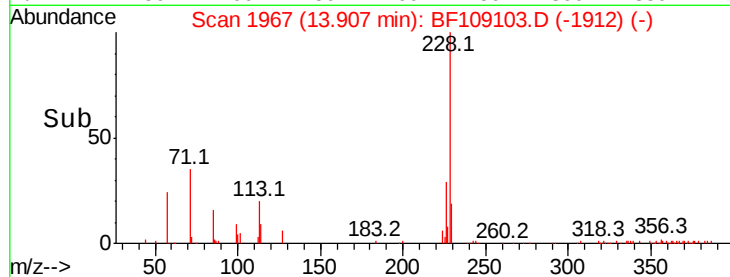
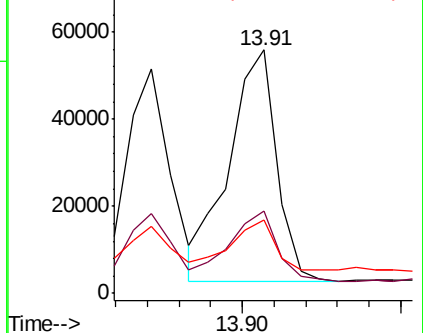
229 30.0 16.2 24.4#



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: 3.777 ng

RT: 13.87 min Scan# 1961

Delta R.T. 0.02 min

Lab File: BF109103.D

Acq: 18 Sep 2018 18:41

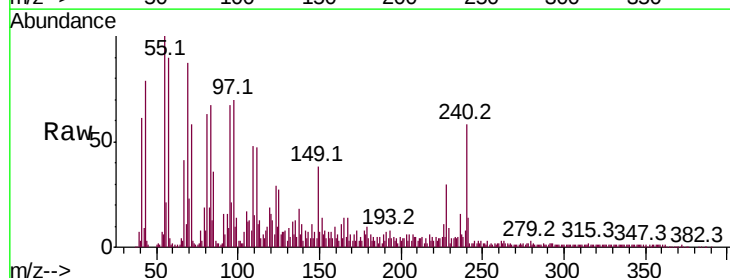
Tgt Ion:149 Resp: 39897

Ion Ratio Lower Upper

149 100

167 35.5 21.3 31.9#

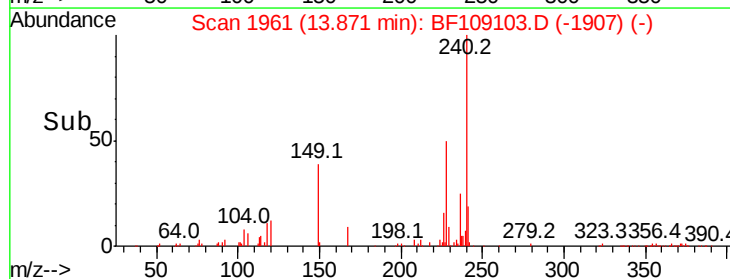
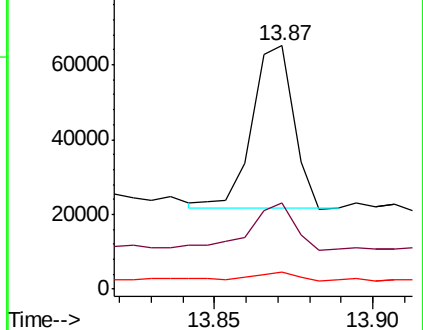
279 7.0 3.0 4.4#

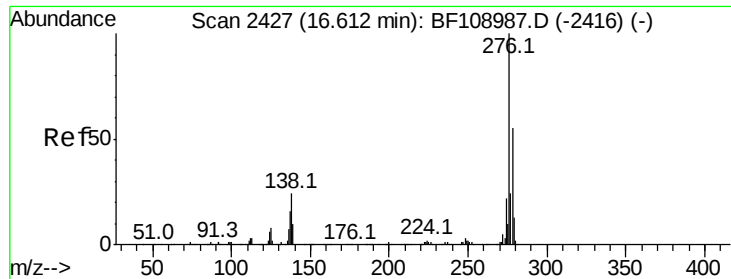


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

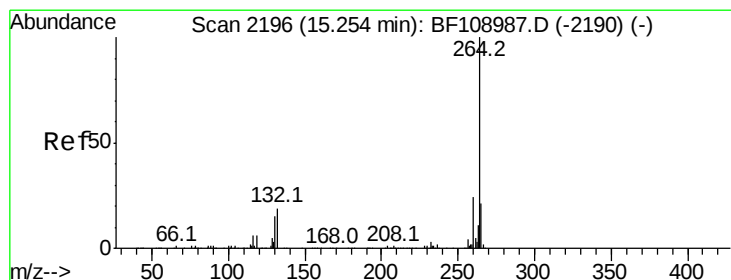
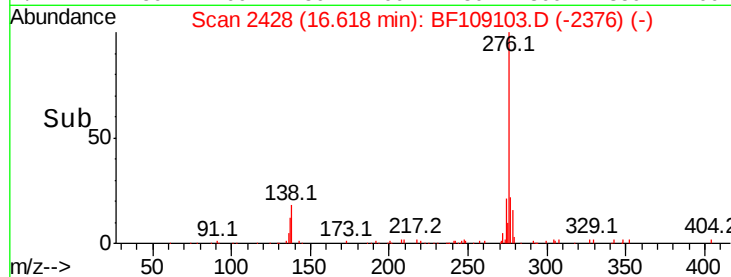
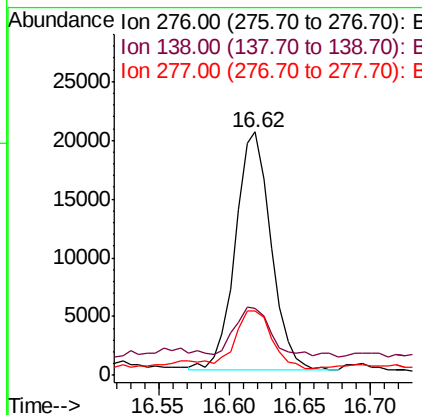
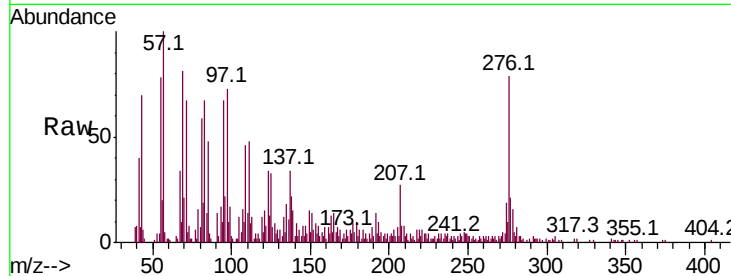




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.796 ng
 RT: 16.62 min Scan# 2428
 Delta R.T. 0.01 min
 Lab File: BF109103.D
 Acq: 18 Sep 2018 18:41

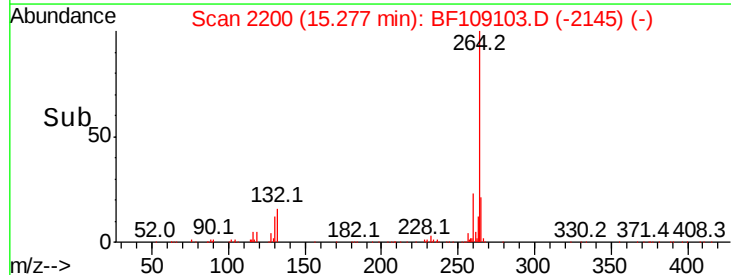
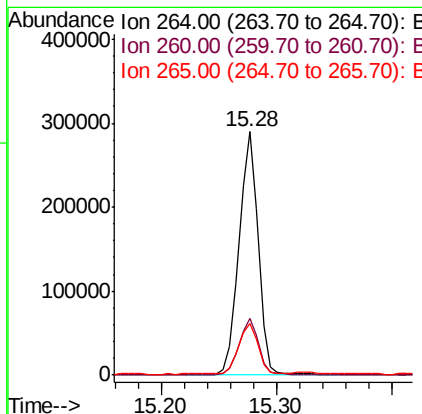
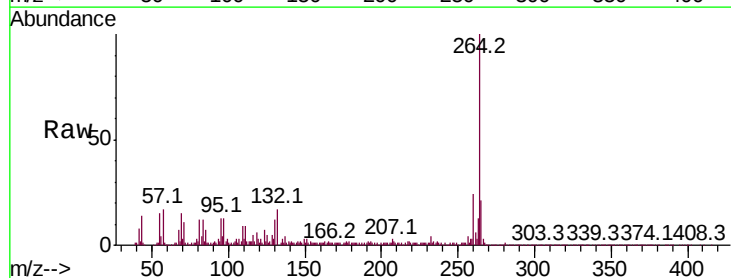
Instrument :
 BNA_F
 ClientSampleId :

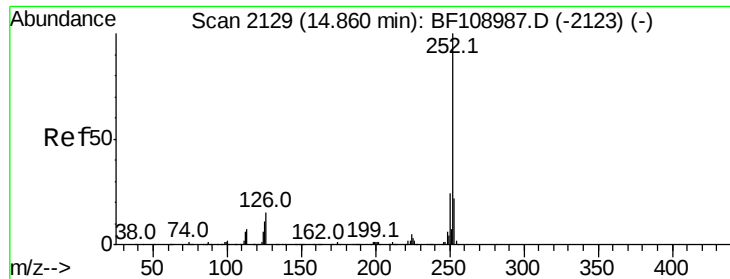
Tot Ion:276 Resp: 35610
 Ion Ratio Lower Upper
 276 100
 138 22.5 25.0 37.6#
 277 24.1 20.1 30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.28 min Scan# 2200
 Delta R.T. 0.02 min
 Lab File: BF109103.D
 Acq: 18 Sep 2018 18:41

Tgt Ion:264 Resp: 329800
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 21.4 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 6.583 ng

RT: 14.88 min Scan# 2132

Delta R.T. 0.02 min

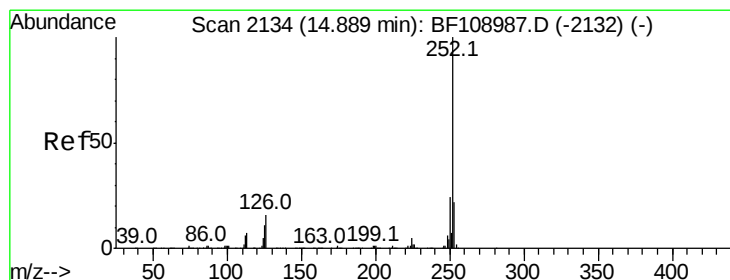
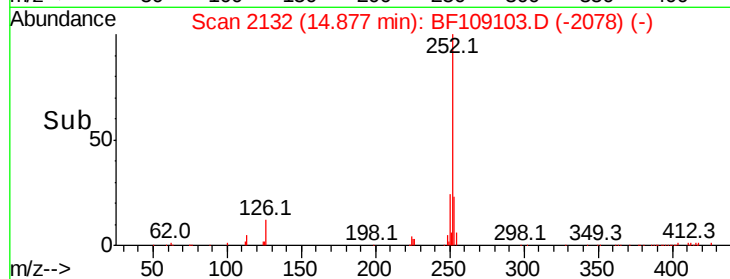
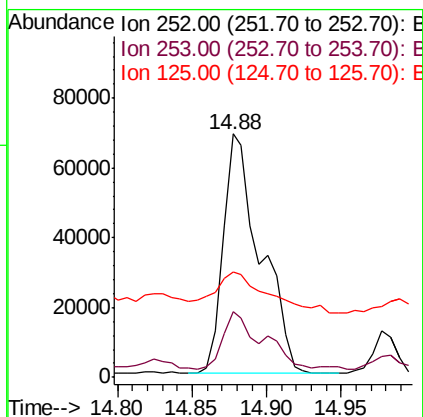
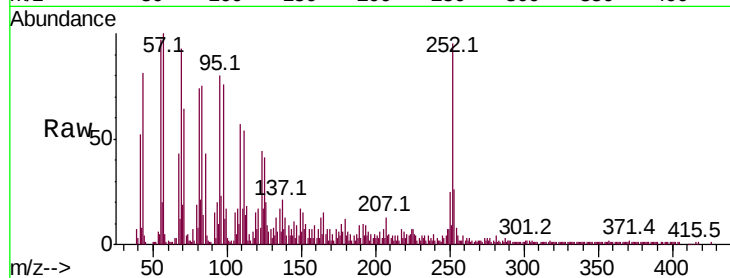
Lab File: BF109103.D

Acq: 18 Sep 2018 18:41

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 120106

Ion	Ratio	Lower	Upper
252	100		
253	26.9	17.0	25.6#
125	43.3	9.0	13.6#



#88

Benzo(k)fluoranthene

Concen: 7.048 ng

RT: 14.88 min Scan# 2132

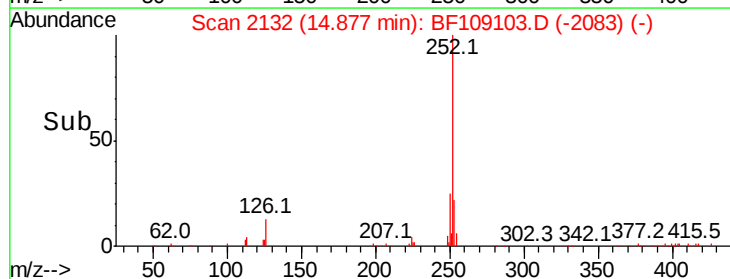
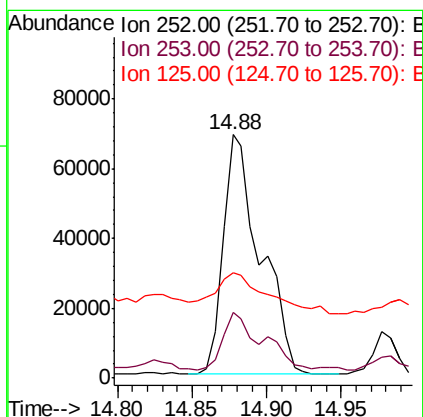
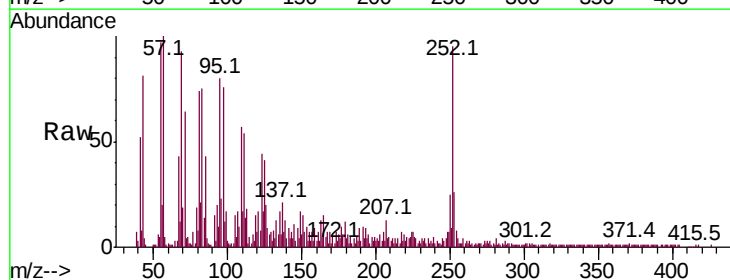
Delta R.T. -0.01 min

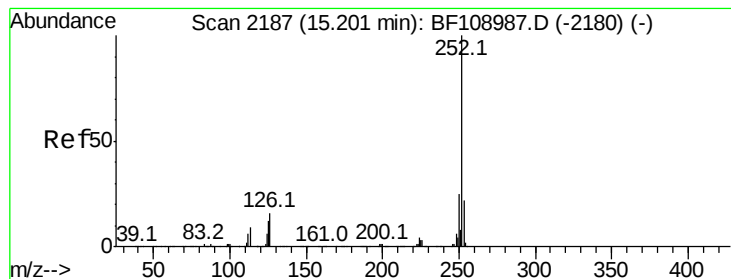
Lab File: BF109103.D

Acq: 18 Sep 2018 18:41

Tgt Ion:252 Resp: 120106

Ion	Ratio	Lower	Upper
252	100		
253	26.9	17.9	26.9#
125	43.3	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 3.543 ng

RT: 15.21 min Scan# 2189

Delta R.T. 0.01 min

Lab File: BF109103.D

Acq: 18 Sep 2018 18:41

Instrument :

BNA_F

ClientSampleId :

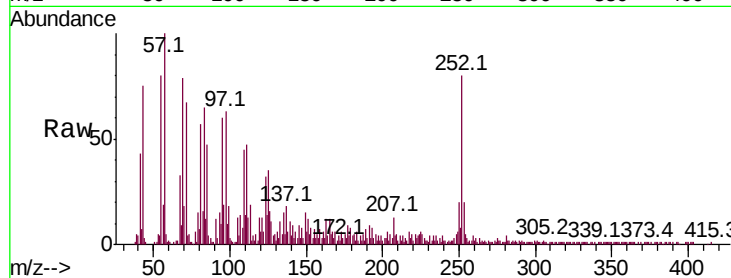
Tot Ion:252 Resp: 57409

Ion Ratio Lower Upper

252 100

253 24.8 17.1 25.7

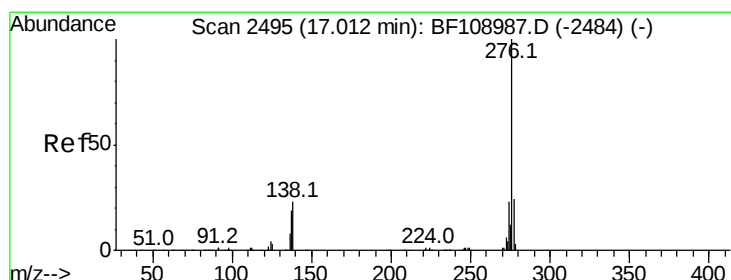
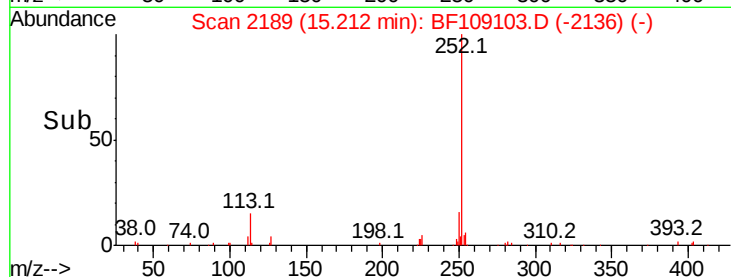
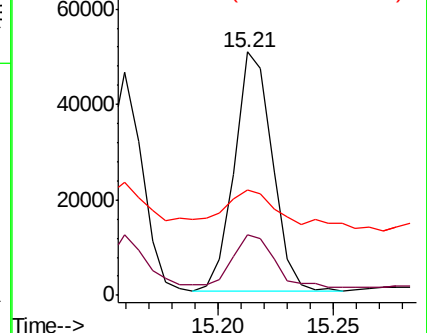
125 43.3 9.8 14.6#



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(g,h,i)perylene

Concen: 2.325 ng

RT: 17.02 min Scan# 2497

Delta R.T. 0.01 min

Lab File: BF109103.D

Acq: 18 Sep 2018 18:41

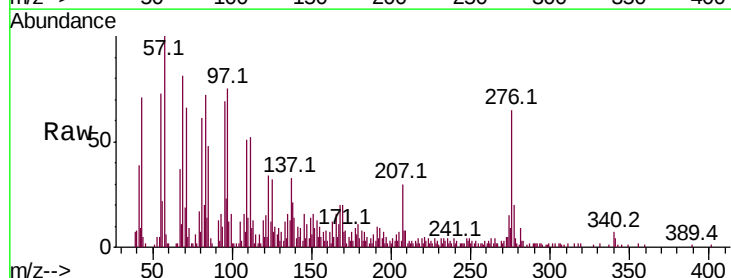
Tgt Ion:276 Resp: 31647

Ion Ratio Lower Upper

276 100

277 29.9 17.9 26.9#

138 31.5 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

