

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
 Data File : BF113860.D
 Acq On : 19 Apr 2019 16:03
 Operator : JU/SJ
 Sample : K2201-01 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-041819-A

Quant Time: Apr 19 23:23:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 18 13:55:51 2019
 Response via : Initial Calibration

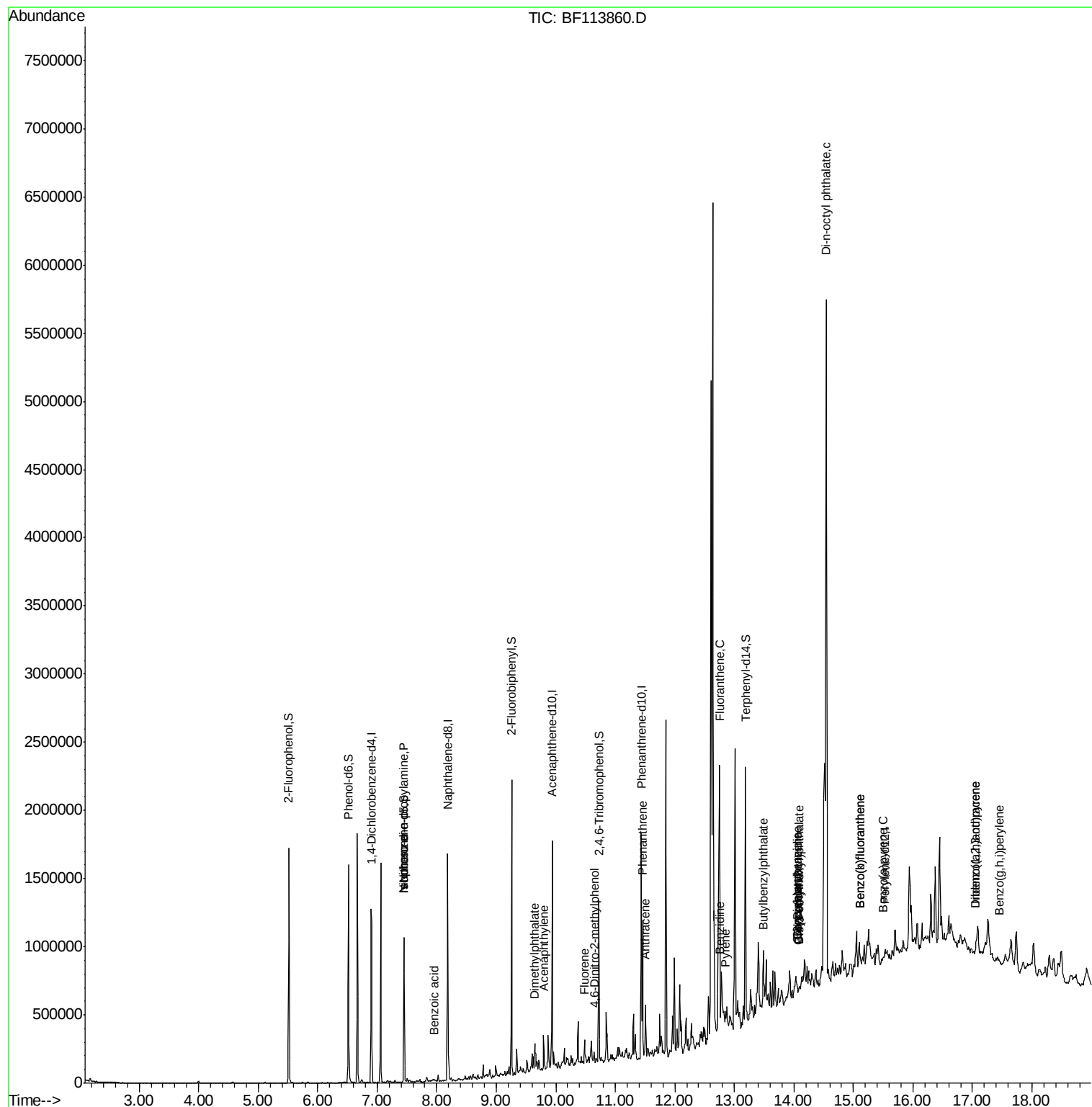
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	194788	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	683618	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	308319	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	587829	20.00	ng	0.02
76) Chrysene-d12	14.07	240	342	20.00	ng	0.03
87) Perylene-d12	15.53	264	419	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	463432	39.56	ng	0.00
7) Phenol-d6	6.52	99	587117	40.19	ng	0.00
23) Nitrobenzene-d5	7.45	82	317974	28.32	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	141267	41.47	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	600696	29.71	ng	0.00
79) Terphenyl-d14	13.19	244	720546	44179.82	ng	0.19
Target Compounds						
9) Benzaldehyde	6.67	77	11423	Below Cal		Qvalue 81
19) n-Nitroso-di-n-propylamine	7.45	70	43142	4.424 ng	#	81
25) Isophorone	7.45	82	316078	13.599 ng	#	65
32) Benzoic acid	7.96	122	1778	6.172 ng	#	42
49) Acenaphthylene	9.80	152	90691	3.036 ng		99
50) Dimethylphthalate	9.65	163	63582	2.947 ng		99
58) Fluorene	10.49	166	45249	2.311 ng		98
65) 4,6-Dinitro-2-methylphenol	10.65	198	107	6.965 ng	#	1
71) Phenanthrene	11.46	178	366536	12.243 ng		99
72) Anthracene	11.51	178	148392	4.919 ng		98
75) Fluoranthene	12.75	202	879880	27.731 ng		97
77) Benzidine	12.77	184	387	36.435 ng	#	1
78) Pyrene	12.86	202	45567	1890.526 ng		96
80) Butylbenzylphthalate	13.47	149	301	33.712 ng	#	1
81) Benzo(a)anthracene	14.05	228	6867	343.493 ng	#	1
82) 3,3'-Dichlorobenzidine	14.06	252	2186	307.646 ng	#	67
83) Chrysene	14.05	228	6867	346.068 ng	#	1
84) Bis(2-ethylhexyl)phthalate	14.08	149	483	45.218 ng	#	1
85) Di-n-octyl phthalate	14.54	149	1706597	102974.527 ng	#	78
86) Indeno(1,2,3-cd)pyrene	17.04	276	2417	149.207 ng	#	50
88) Benzo(b)fluoranthene	15.12	252	2479	94.907 ng	#	1
89) Benzo(k)fluoranthene	15.12	252	2564	107.773 ng	#	1
90) Benzo(a)pyrene	15.50	252	3355	145.259 ng	#	1
91) Dibenzo(a,h)anthracene	17.04	278	5295	257.656 ng	#	1
92) Benzo(g,h,i)perylene	17.45	276	2978	142.569 ng	#	1

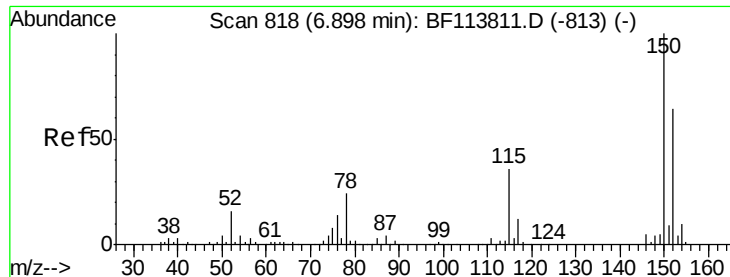
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
Data File : BF113860.D
Acq On : 19 Apr 2019 16:03
Operator : JU/SJ
Sample : K2201-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-041819-A

Quant Time: Apr 19 23:23:22 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 18 13:55:51 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.90 min Scan# 818

Delta R.T. -0.00 min

Lab File: BF113860.D

Acq: 19 Apr 2019 16:03

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-A

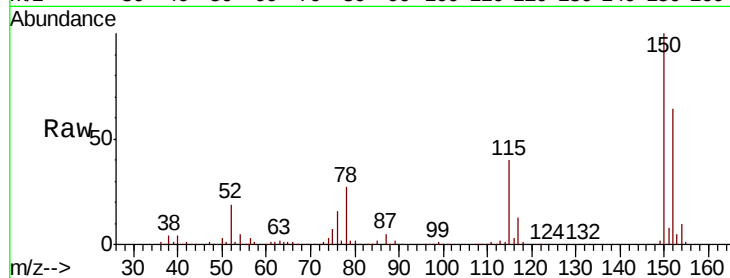
Tgt Ion:152 Resp: 194788

Ion Ratio Lower Upper

152 100

150 155.2 125.9 188.9

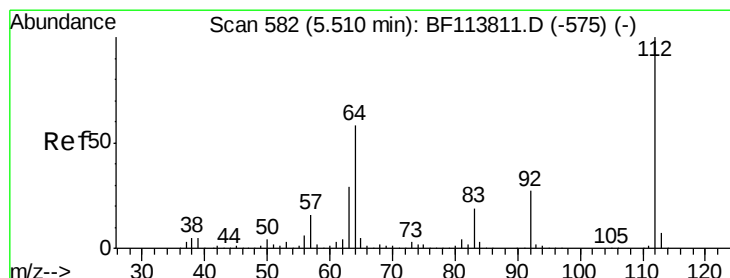
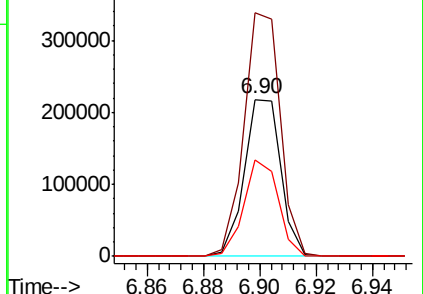
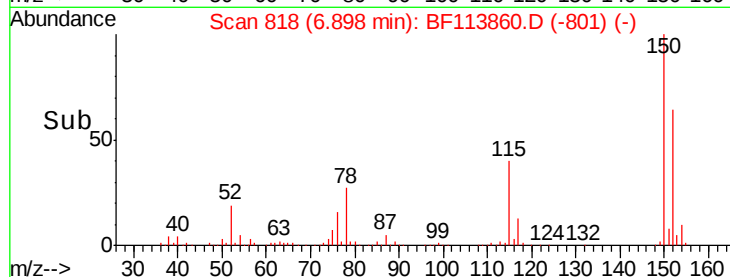
115 61.6 45.9 68.9



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: 39.560 ng

RT: 5.52 min Scan# 583

Delta R.T. 0.01 min

Lab File: BF113860.D

Acq: 19 Apr 2019 16:03

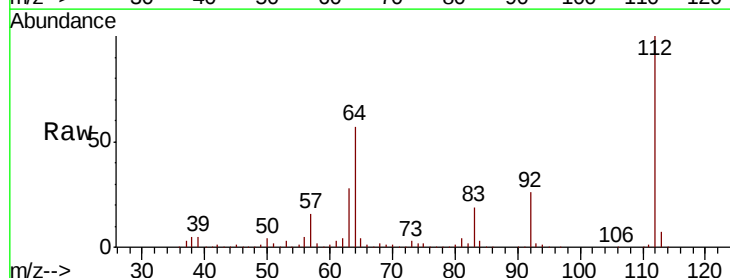
Tgt Ion:112 Resp: 463432

Ion Ratio Lower Upper

112 100

64 57.1 46.6 69.8

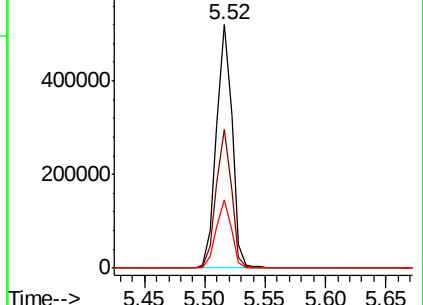
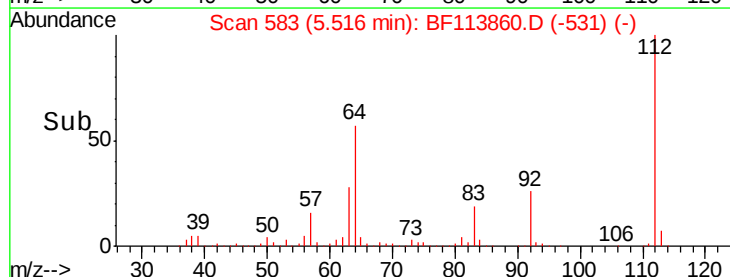
63 28.1 23.1 34.7

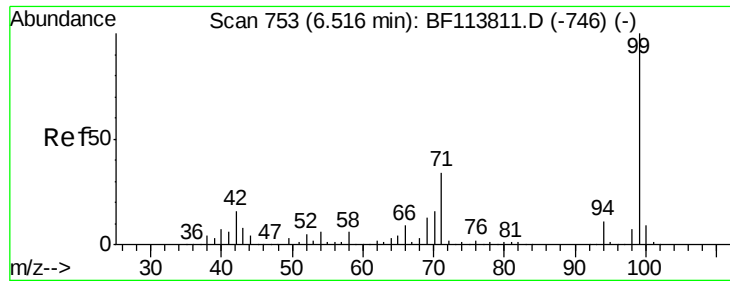


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 40.189 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.01 min

Lab File: BF113860.D

Acq: 19 Apr 2019 16:03

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-A

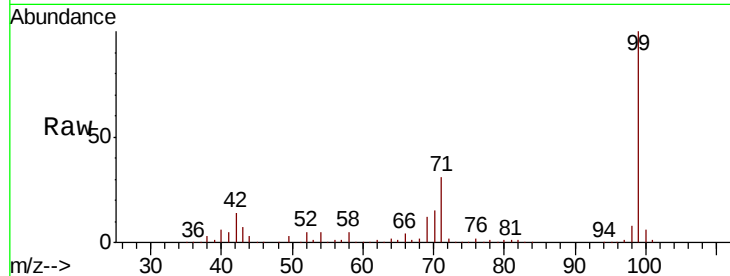
Tgt Ion: 99 Resp: 587117

Ion Ratio Lower Upper

99 100

42 14.0 12.5 18.7

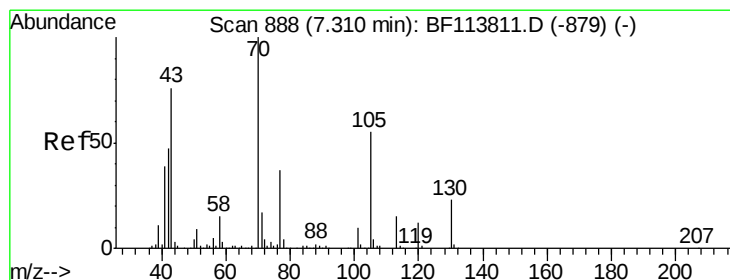
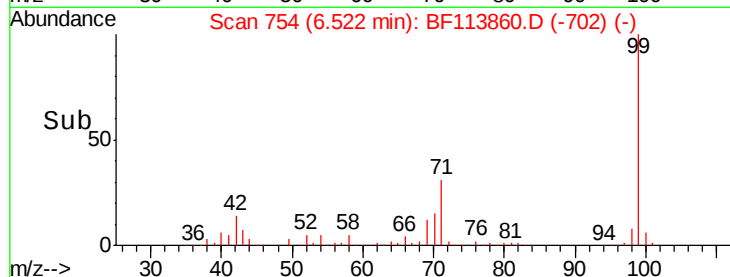
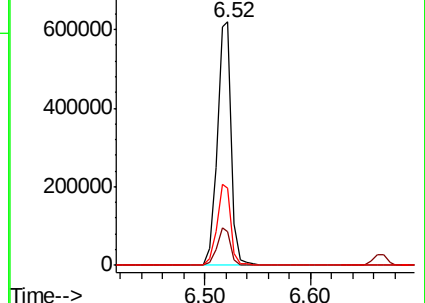
71 31.5 26.9 40.3



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: 4.424 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF113860.D

Acq: 19 Apr 2019 16:03

Tgt Ion: 70 Resp: 43142

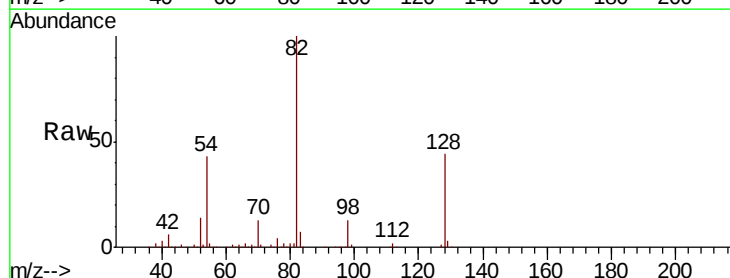
Ion Ratio Lower Upper

70 100

42 42.5 37.3 55.9

101 0.0 7.8 11.8#

130 2.2 18.2 27.2#

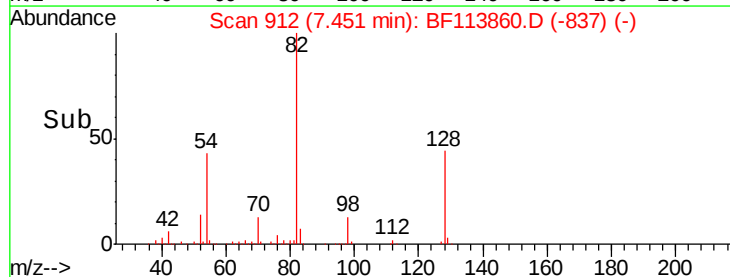
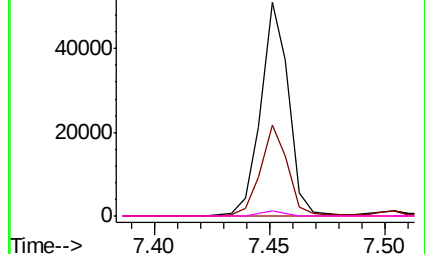


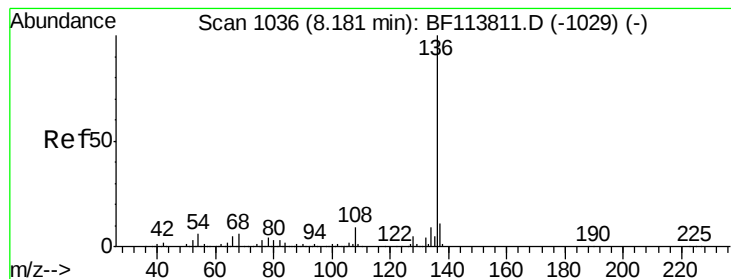
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.18 min Scan# 1036

Delta R.T. -0.00 min

Lab File: BF113860.D

Acq: 19 Apr 2019 16:03

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-A

Tgt Ion: 136 Resp: 683618

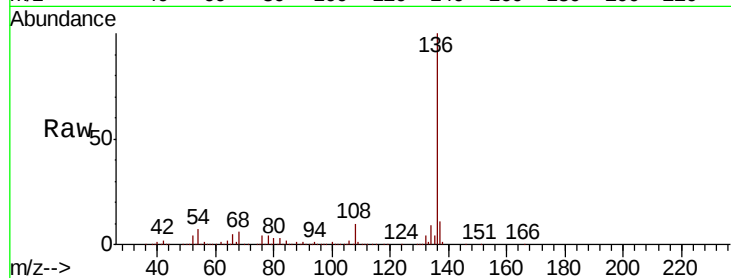
Ion Ratio Lower Upper

136 100

137 11.2 8.6 12.8

54 7.0 5.0 7.6

68 6.5 4.9 7.3

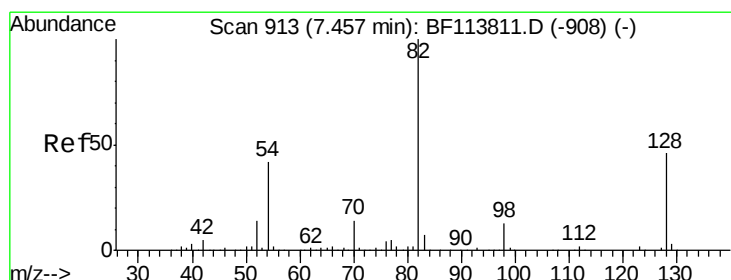
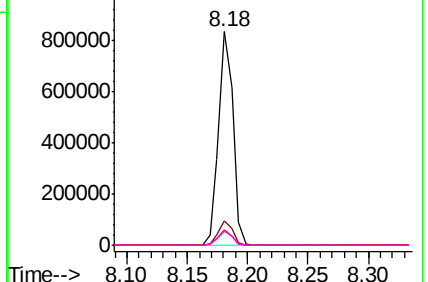
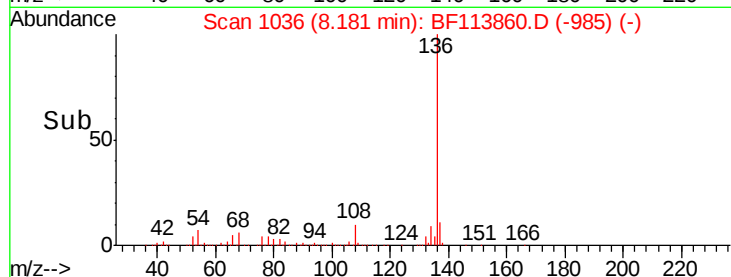


Abundance Ion 136.00 (135.70 to 136.70): E

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: 28.325 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF113860.D

Acq: 19 Apr 2019 16:03

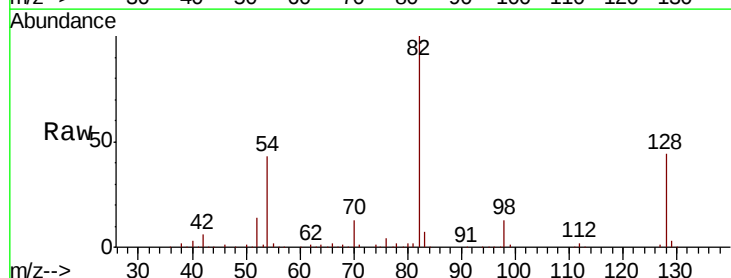
Tgt Ion: 82 Resp: 317974

Ion Ratio Lower Upper

82 100

128 44.2 36.8 55.2

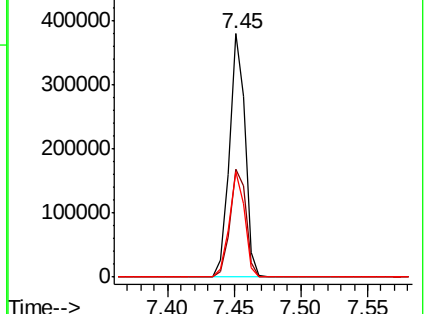
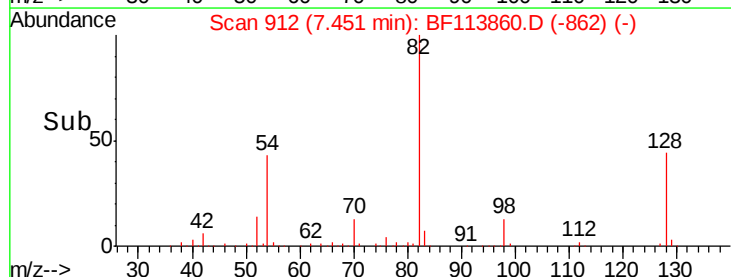
54 43.2 33.8 50.6

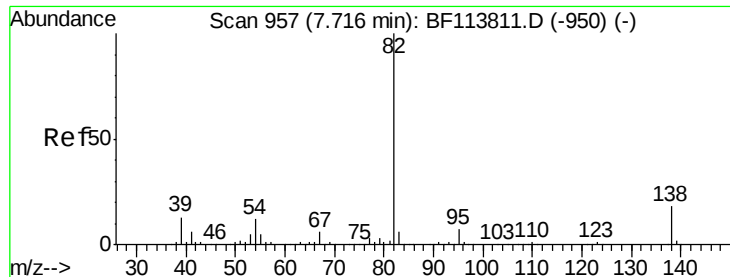


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 13.599 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF113860.D

Acq: 19 Apr 2019 16:03

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-A

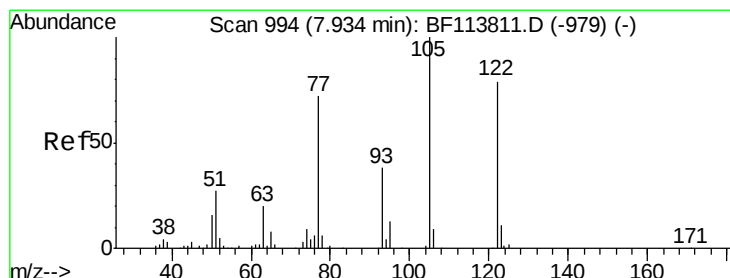
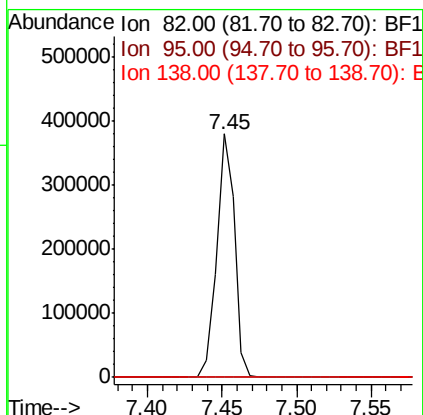
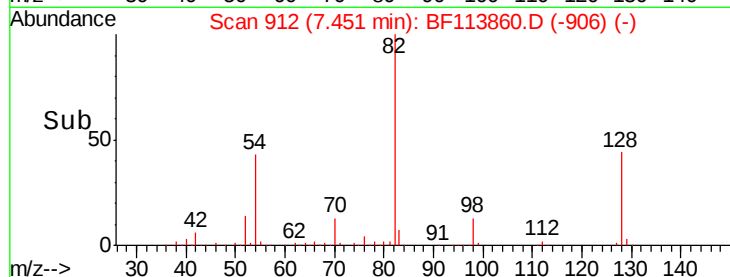
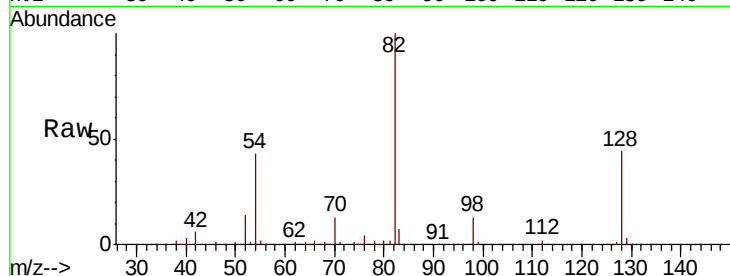
Tgt Ion: 82 Resp: 316078

Ion Ratio Lower Upper

82 100

95 0.1 5.4 8.2#

138 0.0 14.6 22.0#



#32

Benzoic acid

Concen: 6.172 ng

RT: 7.96 min Scan# 998

Delta R.T. 0.02 min

Lab File: BF113860.D

Acq: 19 Apr 2019 16:03

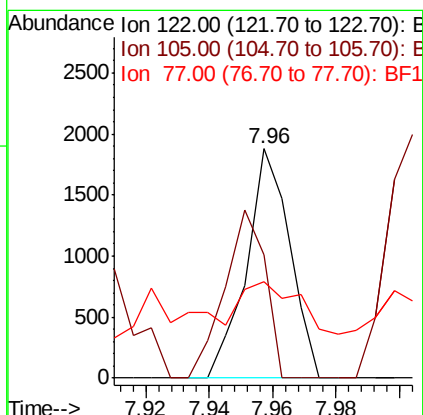
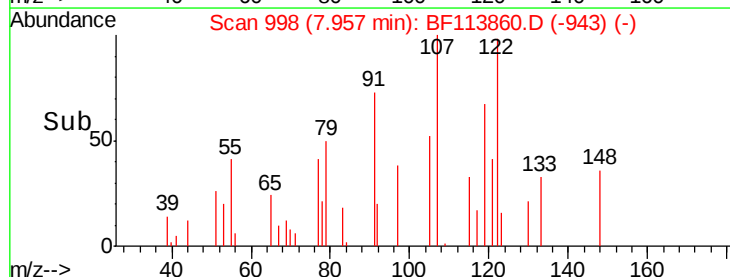
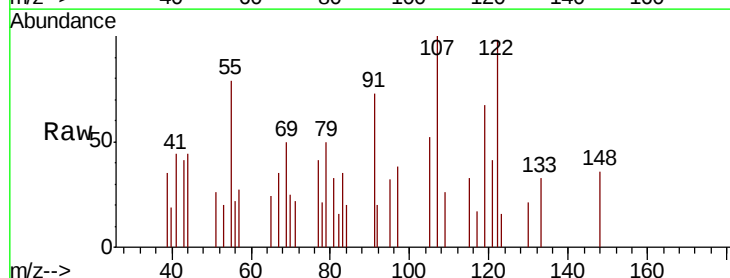
Tgt Ion: 122 Resp: 1778

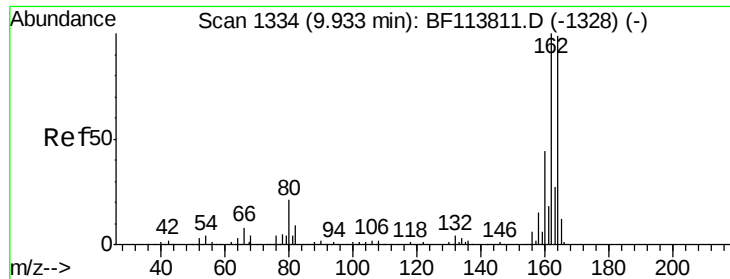
Ion Ratio Lower Upper

122 100

105 53.5 104.3 144.3#

77 42.2 70.4 110.4#

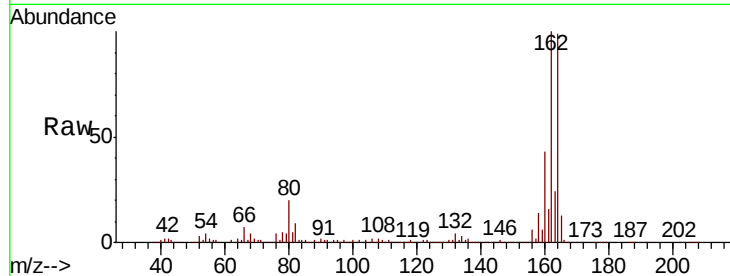




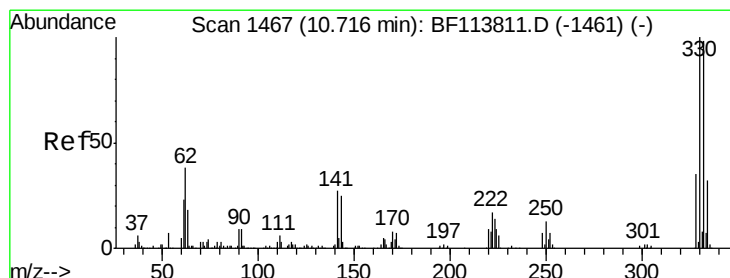
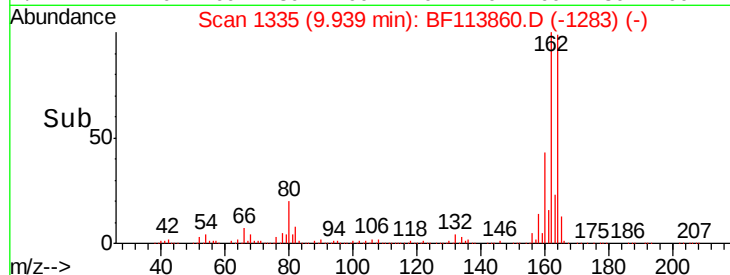
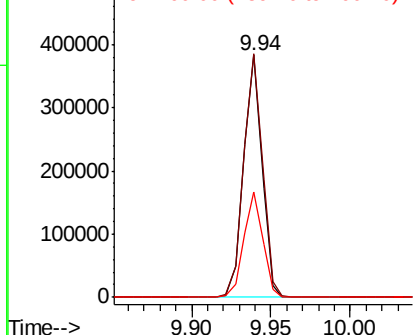
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. 0.01 min
 Lab File: BF113860.D
 Acq: 19 Apr 2019 16:03

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-041819-A

Tgt Ion:164 Resp: 308319
 Ion Ratio Lower Upper
 164 100
 162 100.7 81.1 121.7
 160 43.4 35.8 53.6

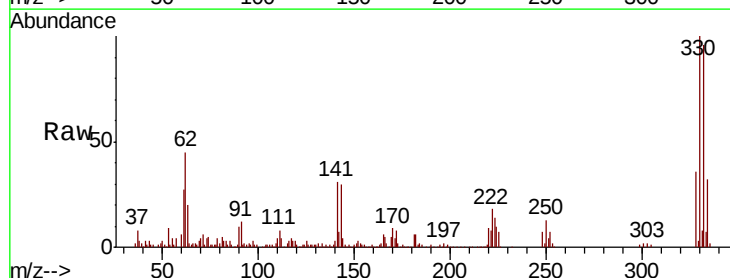


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

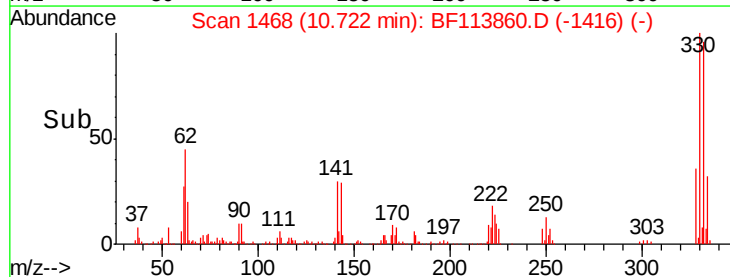
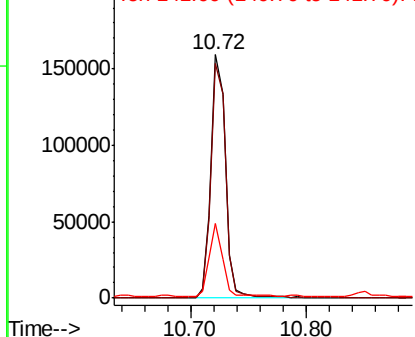


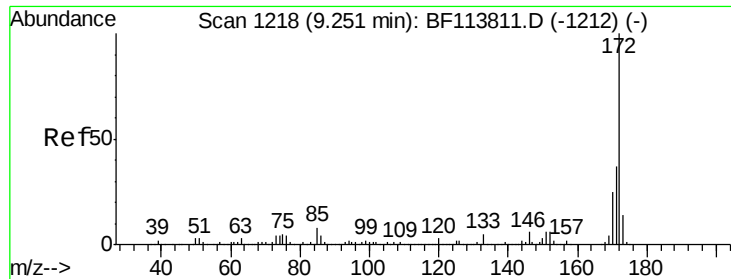
#42
 2,4,6-Tribromophenol
 Concen: 41.471 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. 0.01 min
 Lab File: BF113860.D
 Acq: 19 Apr 2019 16:03

Tgt Ion:330 Resp: 141267
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.5 116.3
 141 27.2 22.2 33.2



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

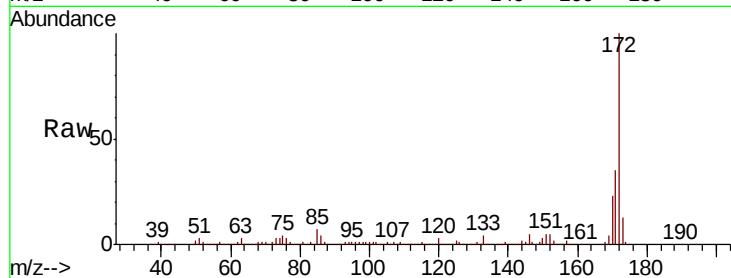




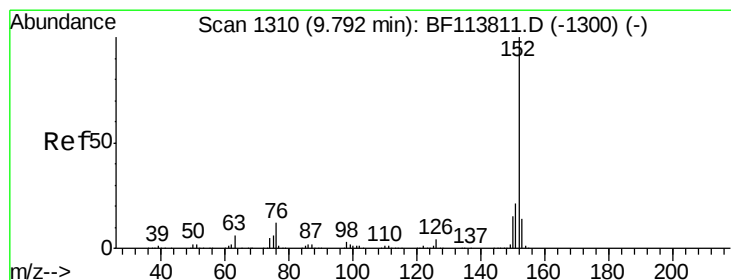
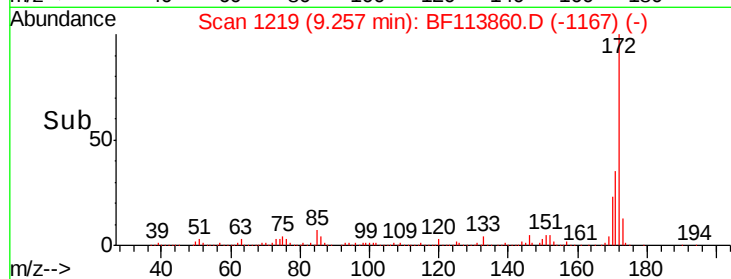
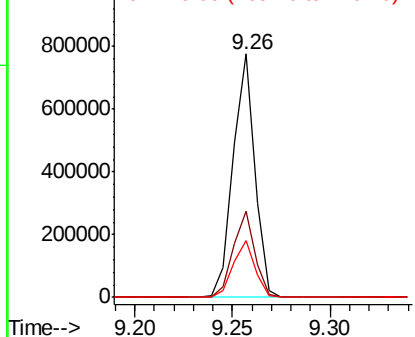
#45
2-Fluorobiphenyl
Concen: 29.712 ng
RT: 9.26 min Scan# 1219
Delta R.T. 0.01 min
Lab File: BF113860.D
Acq: 19 Apr 2019 16:03

Instrument :
BNA_F
ClientSampleId :
PL-01-041819-A

Tgt Ion:172 Resp: 600696
Ion Ratio Lower Upper
172 100
171 35.2 29.4 44.0
170 23.4 19.9 29.9

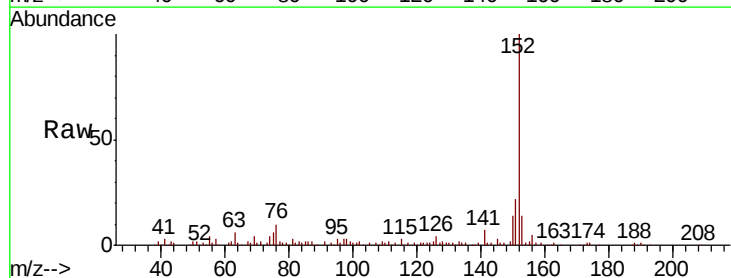


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

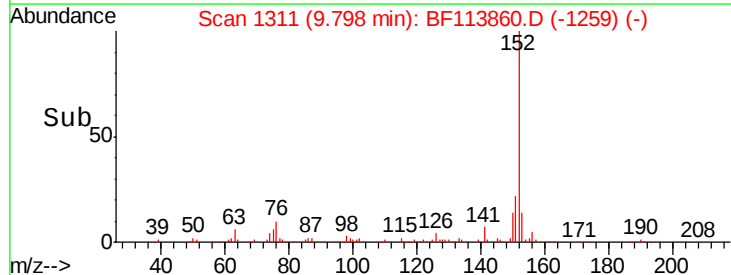
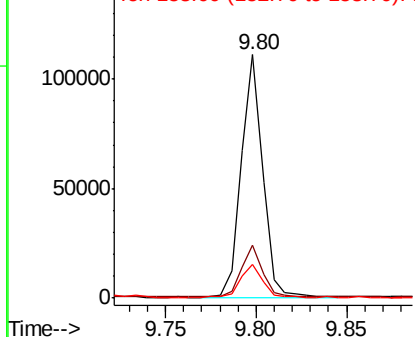


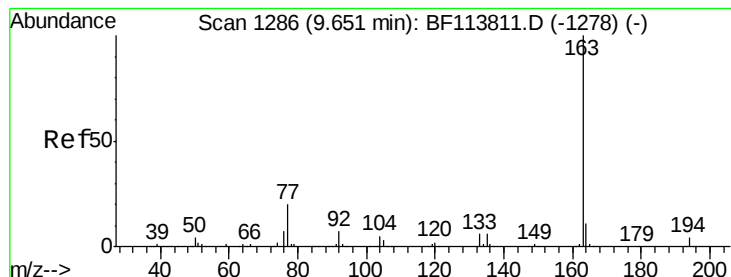
#49
Acenaphthylene
Concen: 3.036 ng
RT: 9.80 min Scan# 1311
Delta R.T. 0.01 min
Lab File: BF113860.D
Acq: 19 Apr 2019 16:03

Tgt Ion:152 Resp: 90691
Ion Ratio Lower Upper
152 100
151 21.9 17.0 25.4
153 14.0 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#50

Dimethylphthalate

Concen: 2.947 ng

RT: 9.65 min Scan# 1285

Delta R.T. -0.01 min

Lab File: BF113860.D

Acq: 19 Apr 2019 16:03

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-A

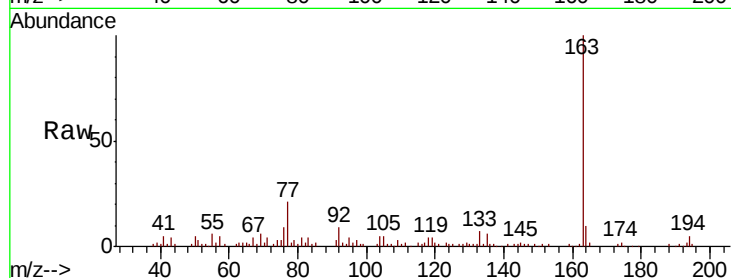
Tgt Ion:163 Resp: 63582

Ion Ratio Lower Upper

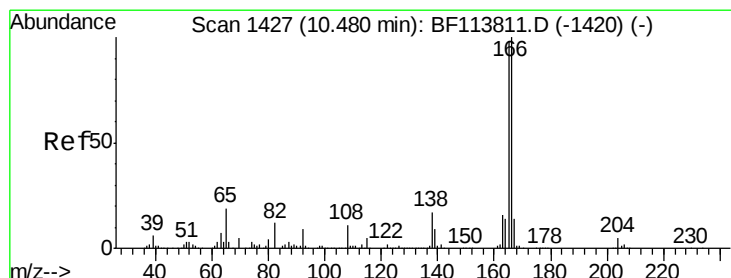
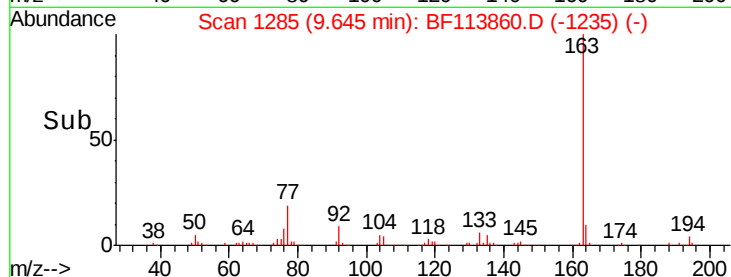
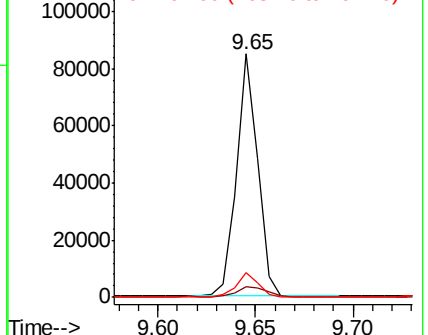
163 100

194 4.6 3.4 5.2

164 10.4 8.5 12.7



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



#58

Fluorene

Concen: 2.311 ng

RT: 10.49 min Scan# 1428

Delta R.T. 0.01 min

Lab File: BF113860.D

Acq: 19 Apr 2019 16:03

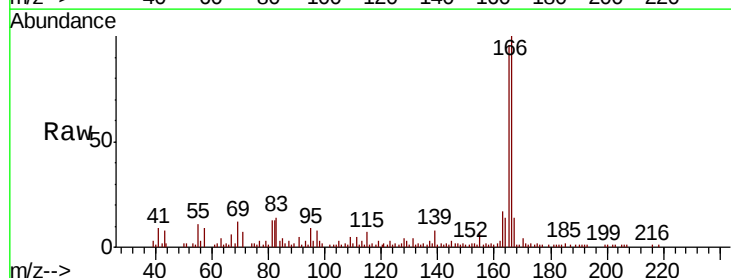
Tgt Ion:166 Resp: 45249

Ion Ratio Lower Upper

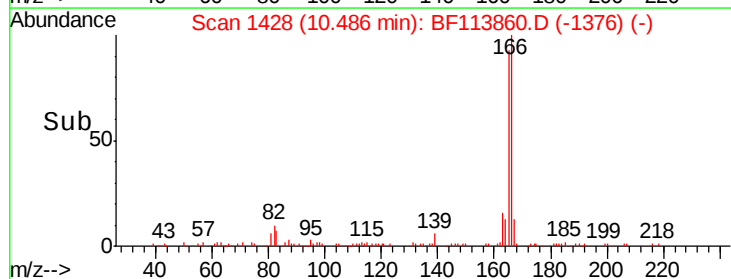
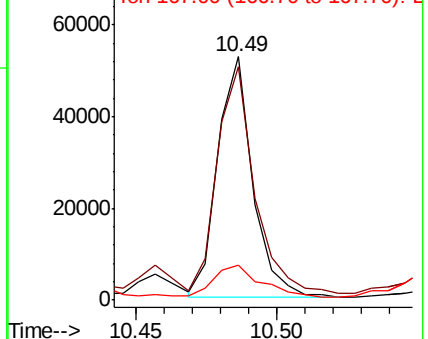
166 100

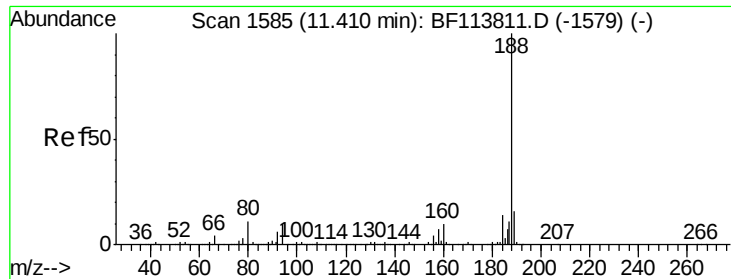
165 95.9 78.4 117.6

167 14.1 10.9 16.3



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

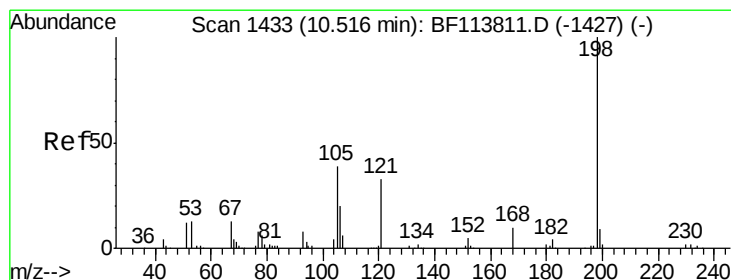
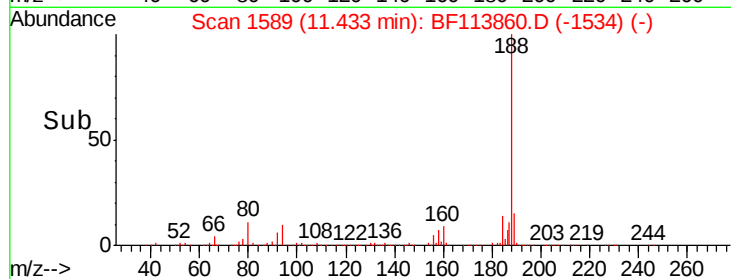
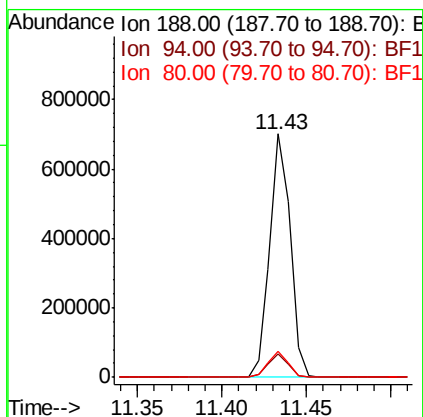
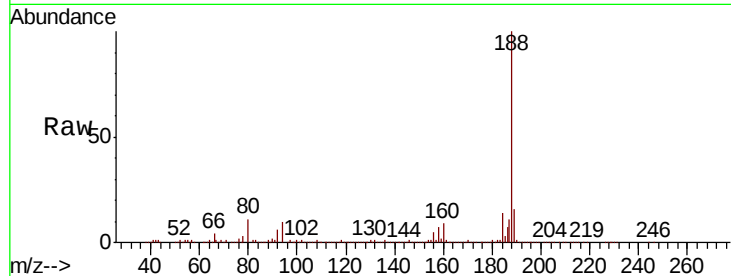




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1589
Delta R.T. 0.02 min
Lab File: BF113860.D
Acq: 19 Apr 2019 16:03

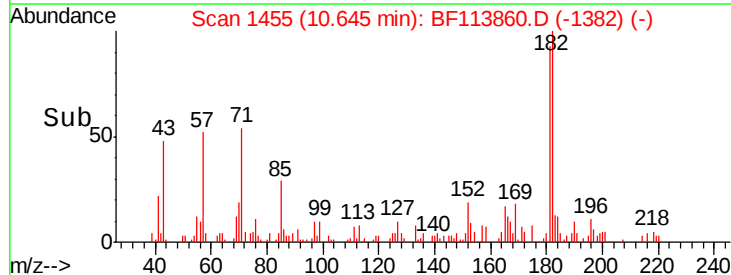
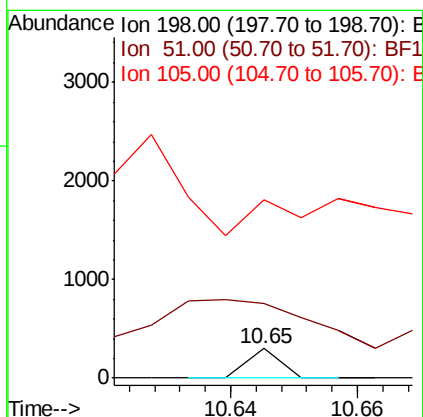
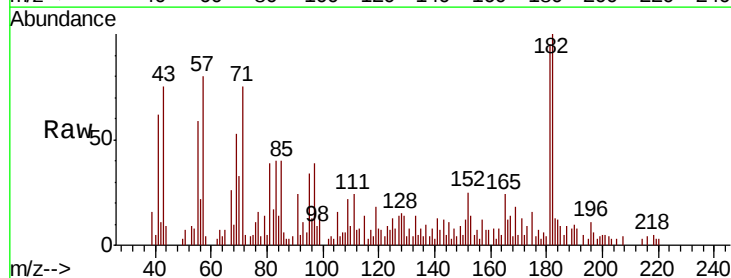
Instrument :
BNA_F
ClientSampleId :
PL-01-041819-A

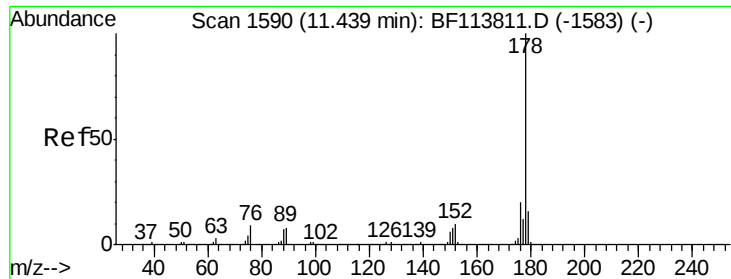
Tgt Ion:188 Resp: 587829
Ion Ratio Lower Upper
188 100
94 9.6 8.2 12.4
80 10.6 9.0 13.6



#65
4,6-Dinitro-2-methylphenol
Concen: 6.965 ng
RT: 10.65 min Scan# 1455
Delta R.T. 0.13 min
Lab File: BF113860.D
Acq: 19 Apr 2019 16:03

Tgt Ion:198 Resp: 107
Ion Ratio Lower Upper
198 100
51 251.7 11.1 51.1#
105 599.3 20.7 60.7#

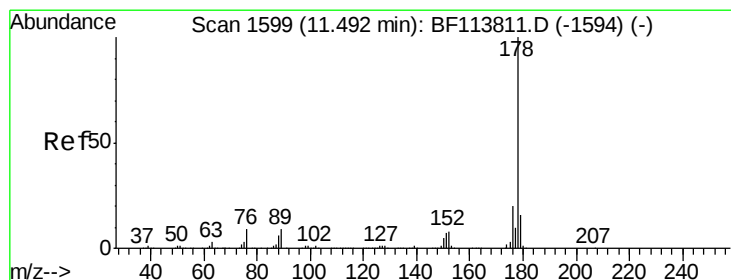
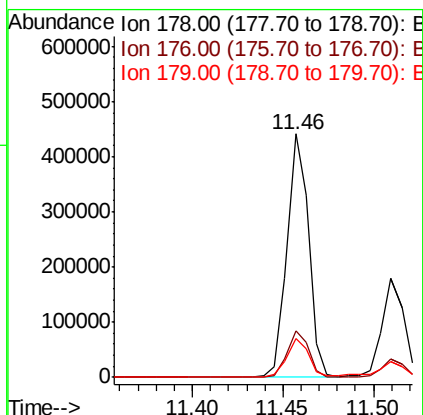
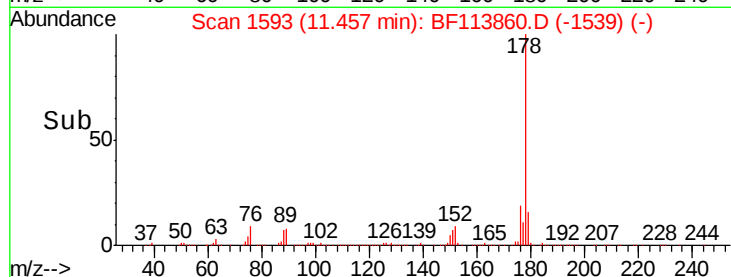
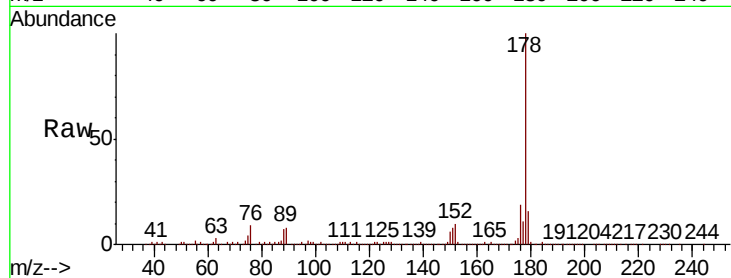




#71
Phenanthrene
Concen: 12.243 ng
RT: 11.46 min Scan# 1593
Delta R.T. 0.02 min
Lab File: BF113860.D
Acq: 19 Apr 2019 16:03

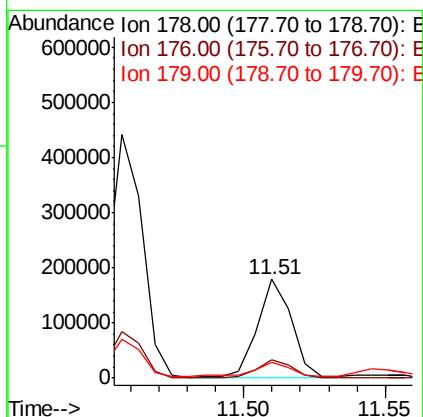
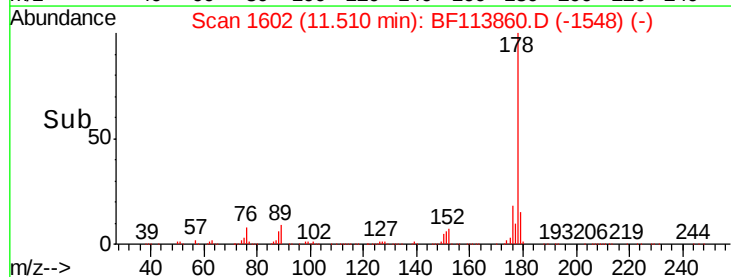
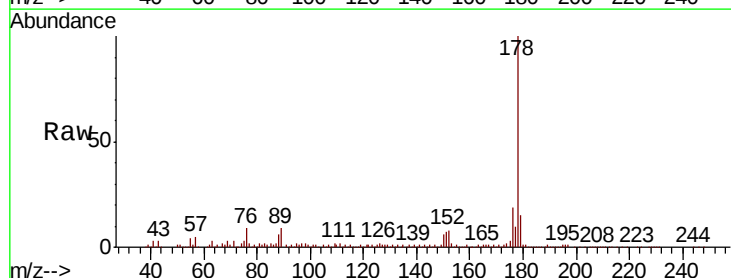
Instrument :
BNA_F
ClientSampleId :
PL-01-041819-A

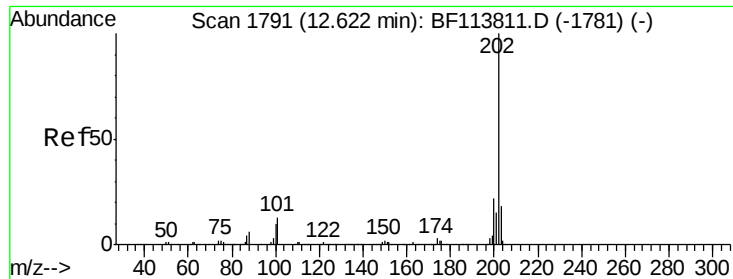
Tgt Ion:178 Resp: 366536
Ion Ratio Lower Upper
178 100
176 19.1 16.1 24.1
179 16.0 12.8 19.2



#72
Anthracene
Concen: 4.919 ng
RT: 11.51 min Scan# 1602
Delta R.T. 0.02 min
Lab File: BF113860.D
Acq: 19 Apr 2019 16:03

Tgt Ion:178 Resp: 148392
Ion Ratio Lower Upper
178 100
176 18.6 15.7 23.5
179 15.5 13.0 19.4





#75

Fluoranthene

Concen: 27.731 ng

RT: 12.75 min Scan# 1813

Delta R.T. 0.13 min

Lab File: BF113860.D

Acq: 19 Apr 2019 16:03

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-A

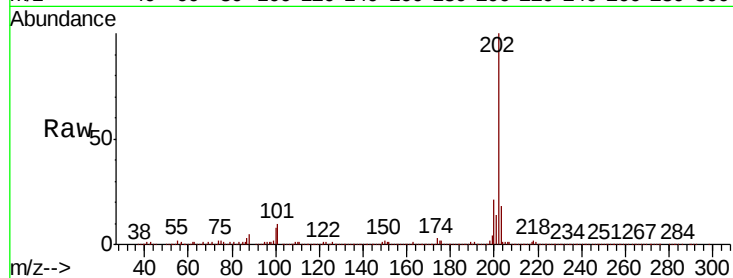
Tgt Ion:202 Resp: 879880

Ion Ratio Lower Upper

202 100

101 10.4 0.0 32.9

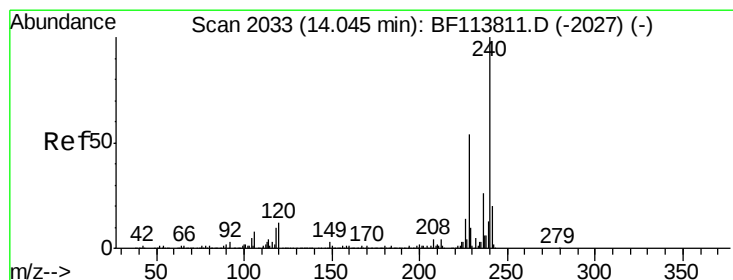
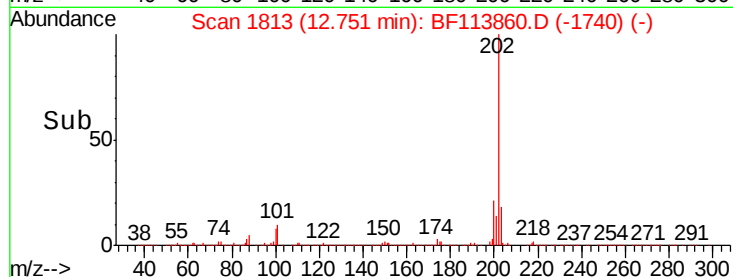
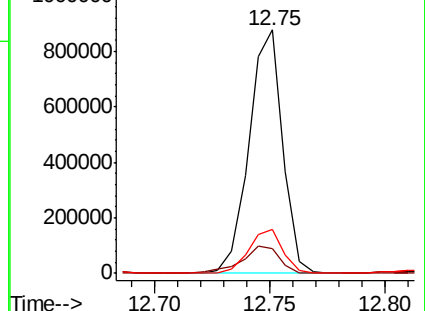
203 17.9 0.0 38.2



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2038

Delta R.T. 0.03 min

Lab File: BF113860.D

Acq: 19 Apr 2019 16:03

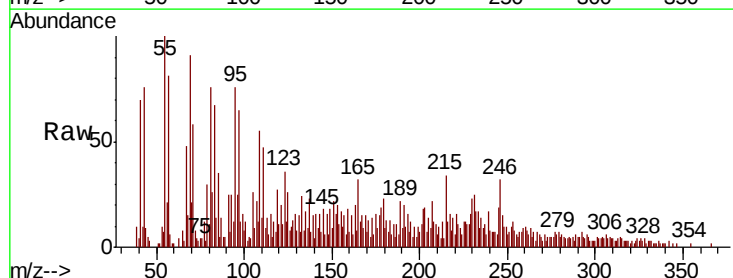
Tgt Ion:240 Resp: 342

Ion Ratio Lower Upper

240 100

120 147.4 9.3 13.9#

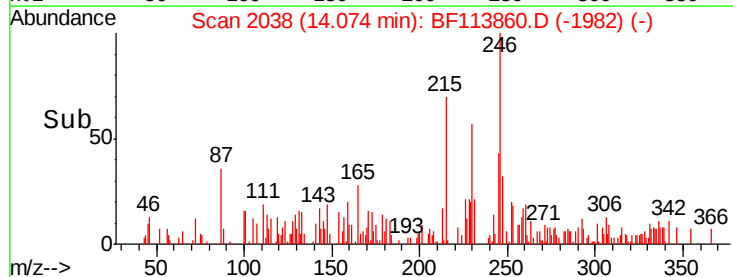
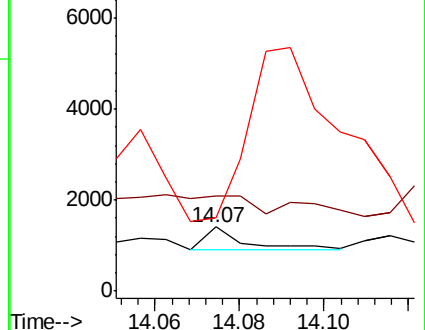
236 114.6 21.2 31.8#

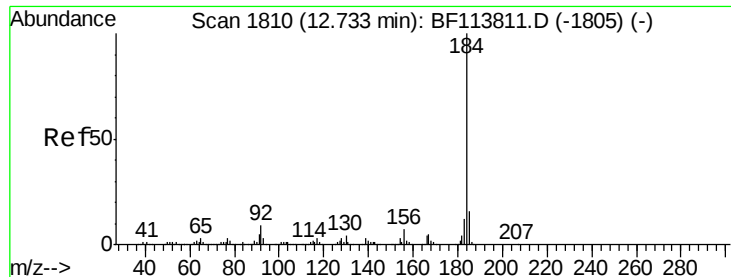


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 36.435 ng

RT: 12.77 min Scan# 1816

Delta R.T. 0.04 min

Lab File: BF113860.D

Acq: 19 Apr 2019 16:03

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-A

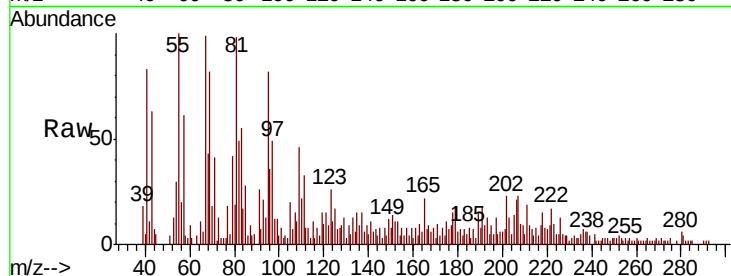
Tgt Ion:184 Resp: 387

Ion Ratio Lower Upper

184 100

185 142.1 13.0 19.6#

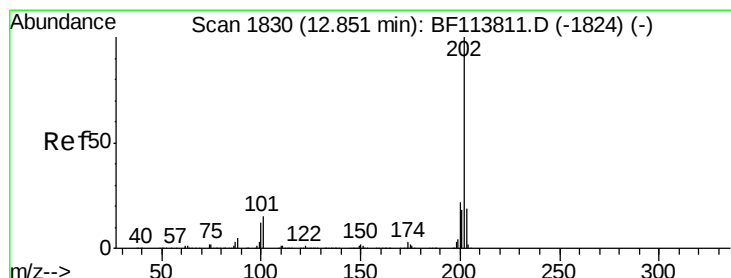
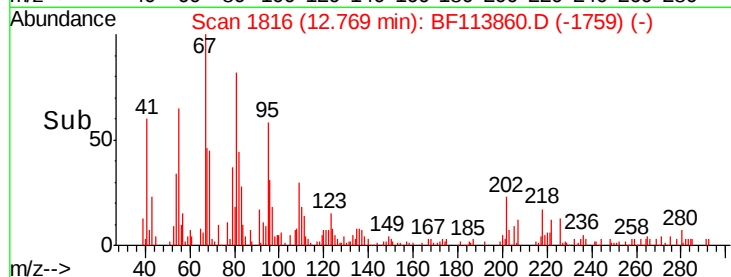
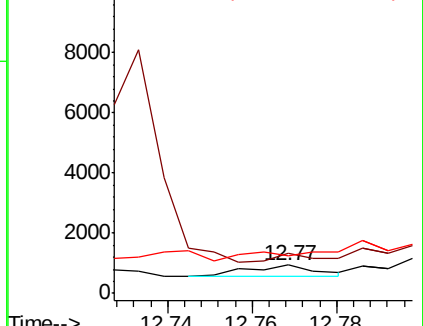
183 135.5 9.4 14.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 1890.526 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.01 min

Lab File: BF113860.D

Acq: 19 Apr 2019 16:03

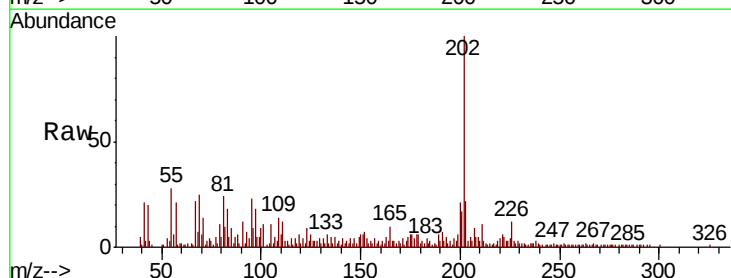
Tgt Ion:202 Resp: 45567

Ion Ratio Lower Upper

202 100

200 21.5 17.7 26.5

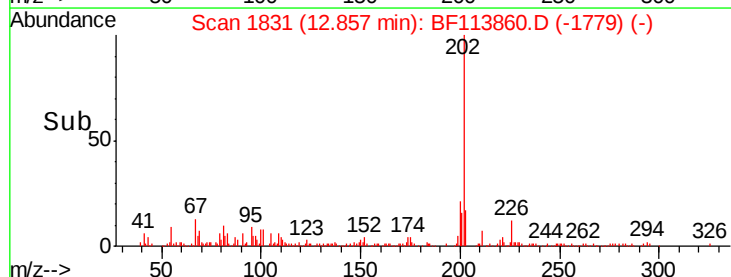
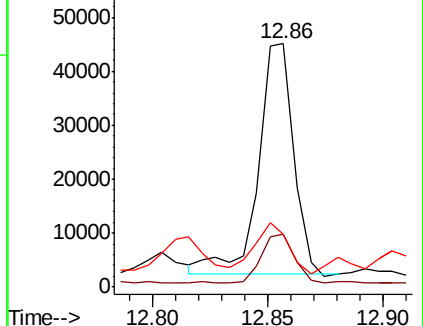
203 22.0 15.0 22.6

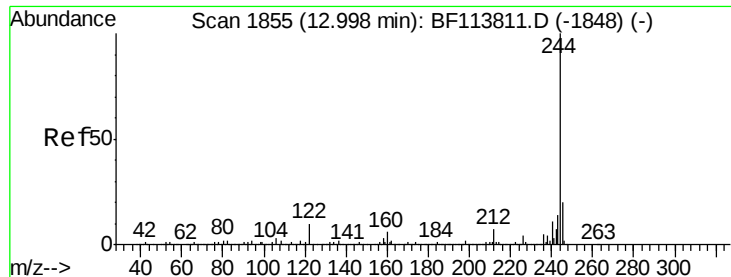


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 44179.816 ng

RT: 13.19 min Scan# 1887

Delta R.T. 0.19 min

Lab File: BF113860.D

Acq: 19 Apr 2019 16:03

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-A

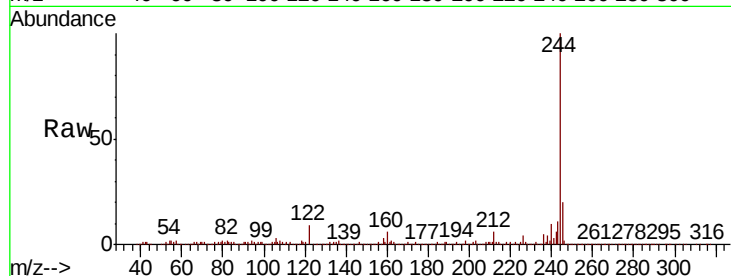
Tgt Ion:244 Resp: 720546

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.2

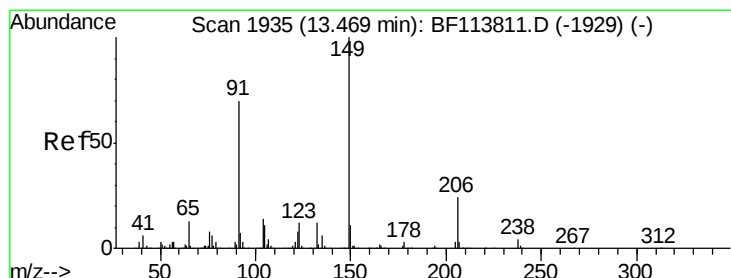
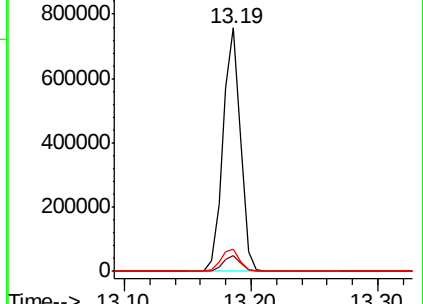
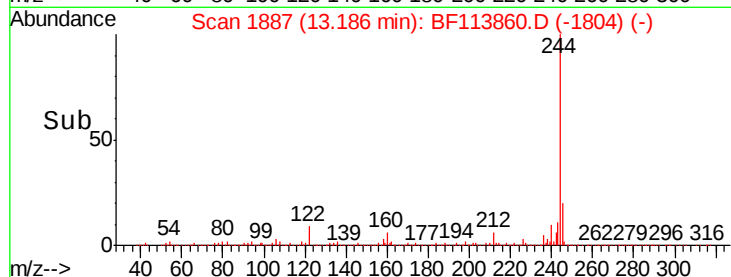
122 9.3 7.6 11.4



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

Butylbenzylphthalate

Concen: 33.712 ng

RT: 13.47 min Scan# 1936

Delta R.T. 0.01 min

Lab File: BF113860.D

Acq: 19 Apr 2019 16:03

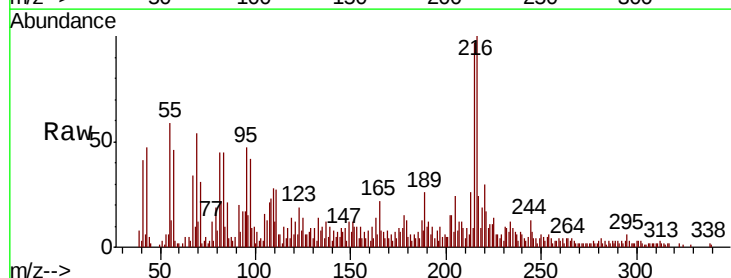
Tgt Ion:149 Resp: 301

Ion Ratio Lower Upper

149 100

91 169.2 56.3 84.5#

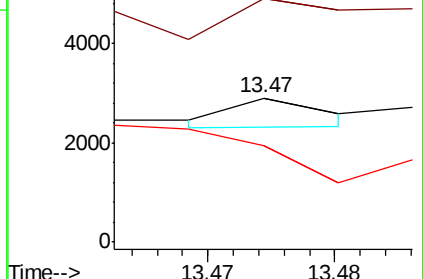
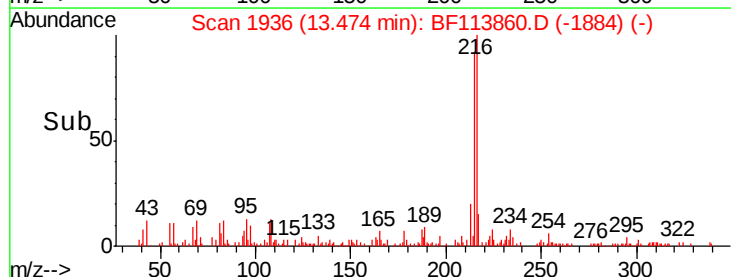
206 67.1 19.0 28.6#

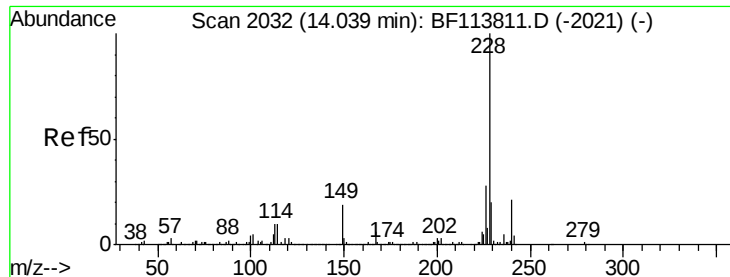


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 343.493 ng

RT: 14.05 min Scan# 2034

Delta R.T. 0.01 min

Lab File: BF113860.D

Acq: 19 Apr 2019 16:03

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-A

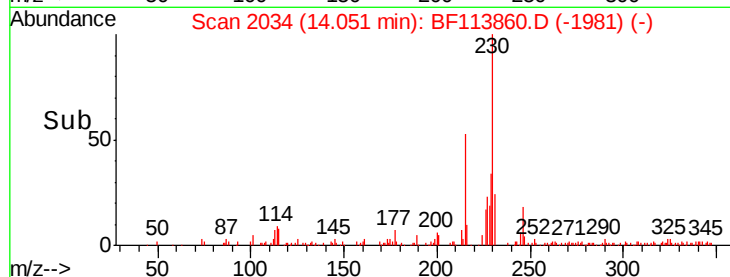
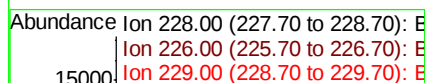
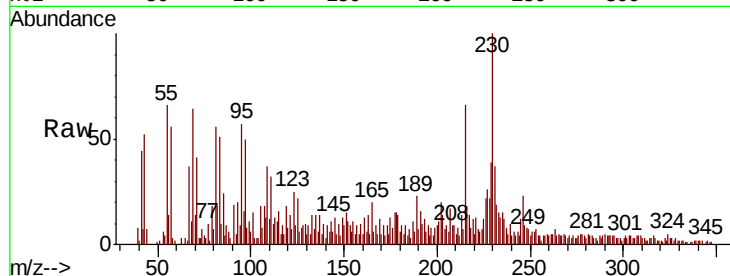
Tgt Ion:228 Resp: 6867

Ion Ratio Lower Upper

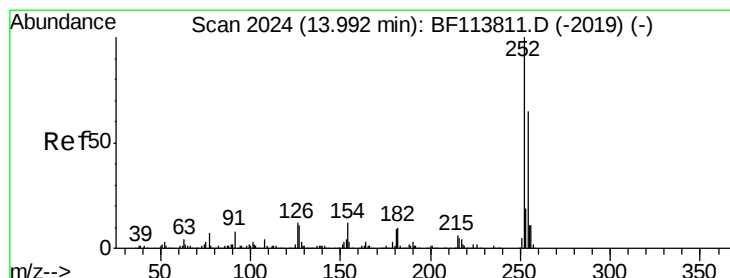
228 100

226 101.9 22.2 33.2#

229 177.4 16.0 24.0#



Time-->



#82

3,3'-Dichlorobenzidine

Concen: 307.646 ng

RT: 14.06 min Scan# 2036

Delta R.T. 0.07 min

Lab File: BF113860.D

Acq: 19 Apr 2019 16:03

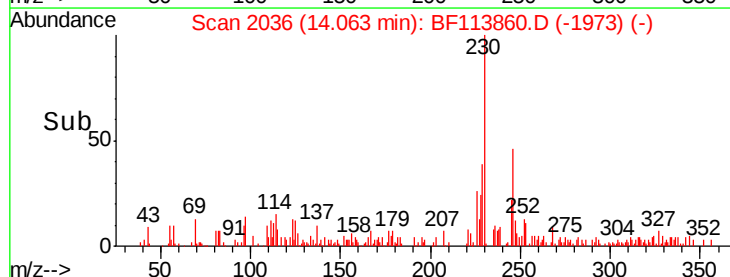
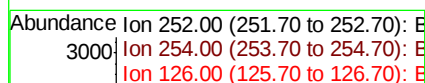
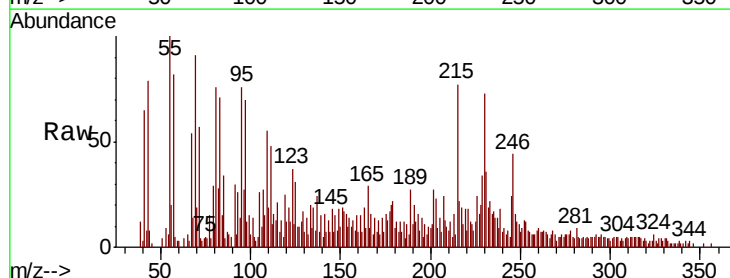
Tgt Ion:252 Resp: 2186

Ion Ratio Lower Upper

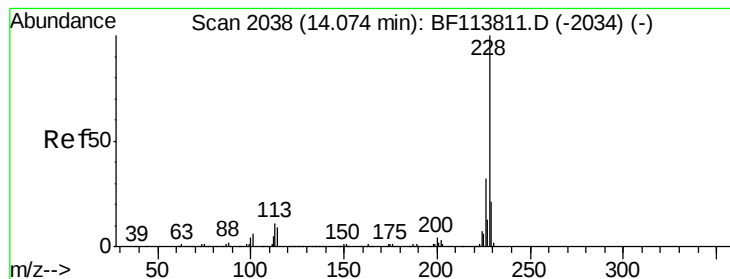
252 100

254 58.9 52.1 78.1

126 79.5 9.3 13.9#



Time-->



#83

Chrysene

Concen: 346.068 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.02 min

Lab File: BF113860.D

Acq: 19 Apr 2019 16:03

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-A

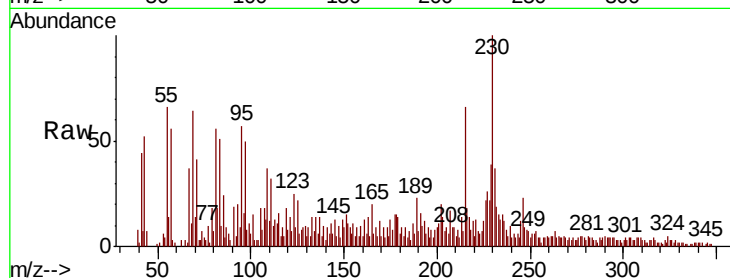
Tgt Ion:228 Resp: 6867

Ion Ratio Lower Upper

228 100

226 101.9 25.2 37.8#

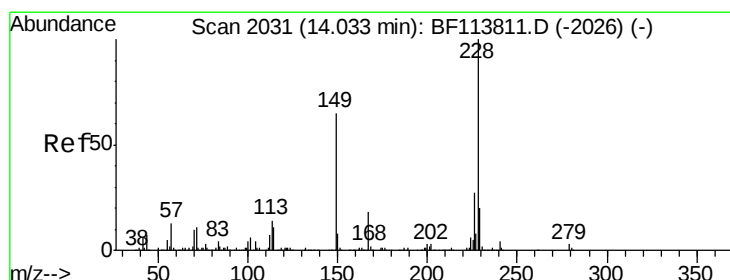
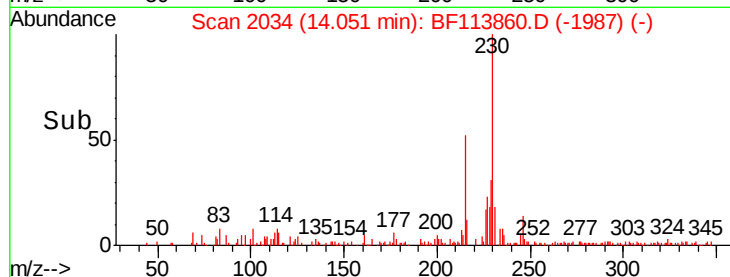
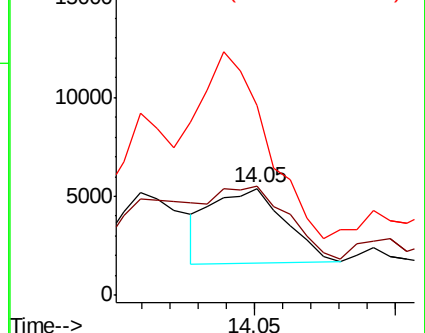
229 177.4 16.7 25.1#



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 45.218 ng

RT: 14.08 min Scan# 2039

Delta R.T. 0.05 min

Lab File: BF113860.D

Acq: 19 Apr 2019 16:03

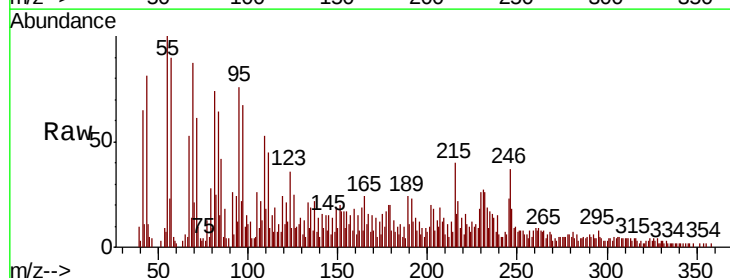
Tgt Ion:149 Resp: 483

Ion Ratio Lower Upper

149 100

167 83.2 22.9 34.3#

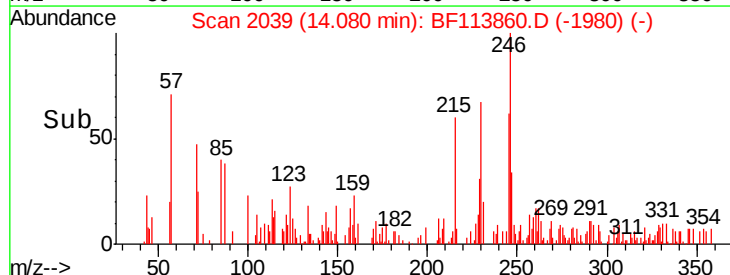
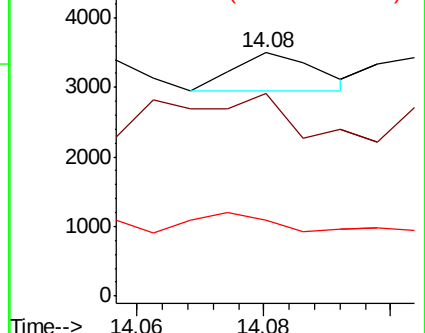
279 31.4 4.2 6.2#

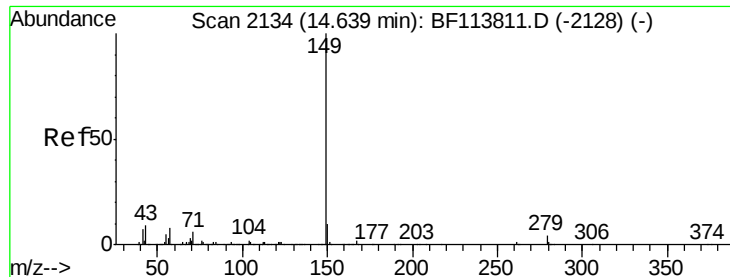


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 102974.527 ng

RT: 14.54 min Scan# 2118

Delta R.T. -0.09 min

Lab File: BF113860.D

Acq: 19 Apr 2019 16:03

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-A

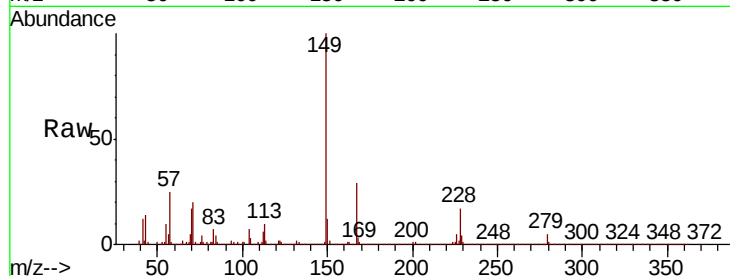
Tgt Ion:149 Resp: 1706597

Ion Ratio Lower Upper

149 100

167 28.7 1.3 1.9#

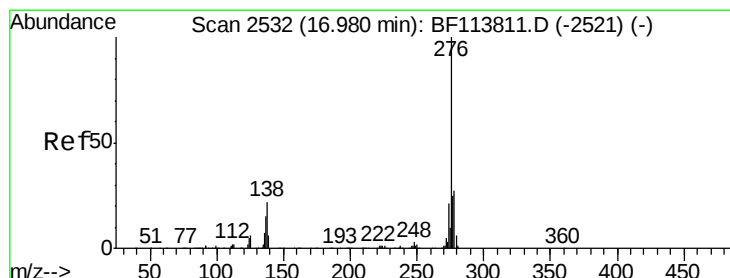
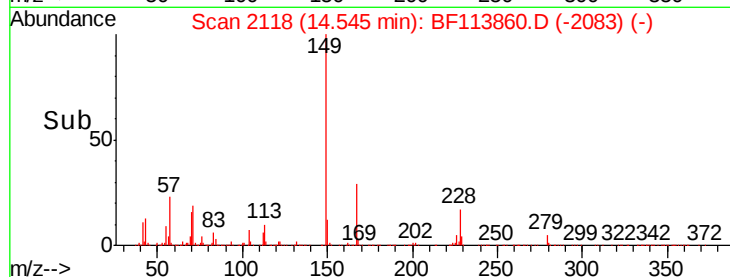
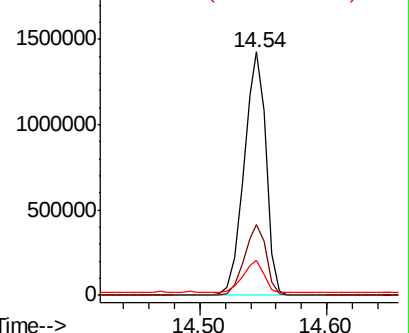
43 12.8 6.6 10.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 149.207 ng

RT: 17.04 min Scan# 2543

Delta R.T. 0.06 min

Lab File: BF113860.D

Acq: 19 Apr 2019 16:03

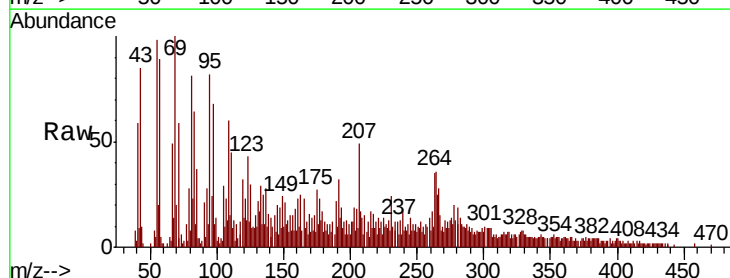
Tgt Ion:276 Resp: 2417

Ion Ratio Lower Upper

276 100

138 48.7 19.6 29.4#

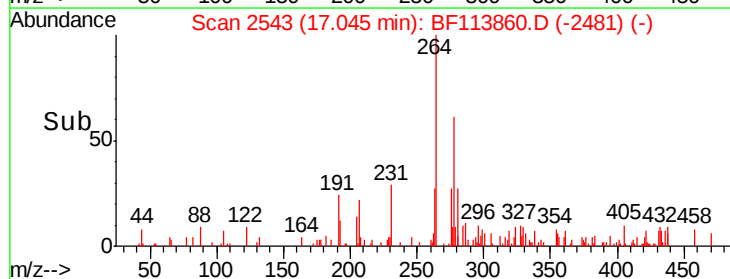
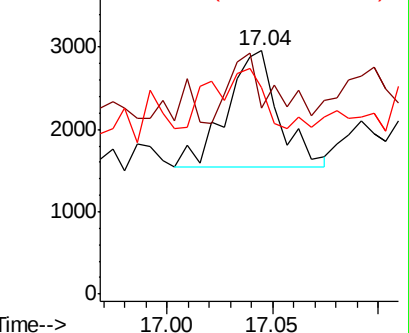
277 50.7 20.2 30.4#

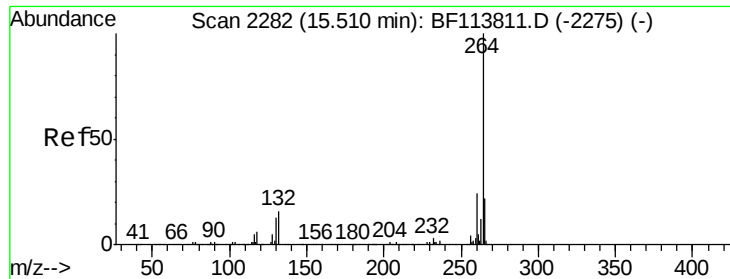


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.53 min Scan# 2286

Delta R.T. 0.02 min

Lab File: BF113860.D

Acq: 19 Apr 2019 16:03

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-A

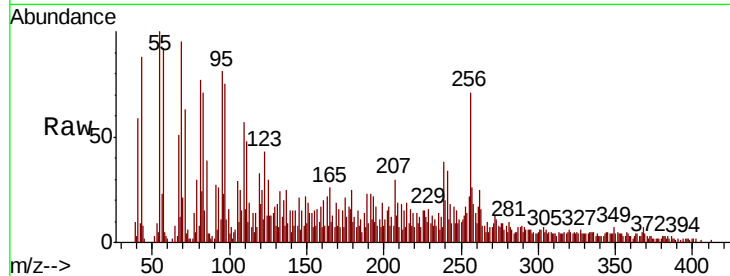
Tgt Ion: 264 Resp: 419

Ion Ratio Lower Upper

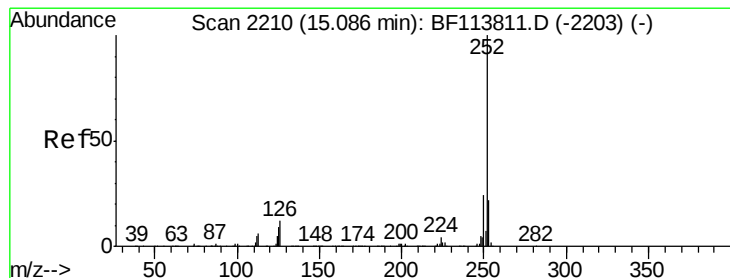
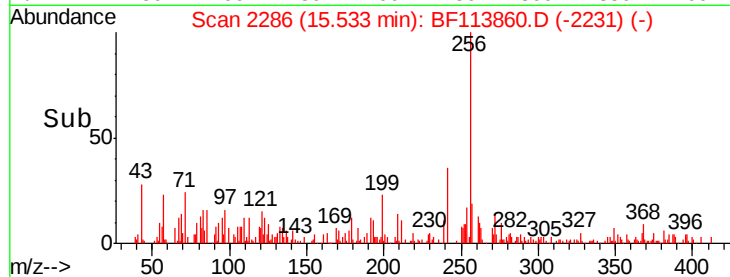
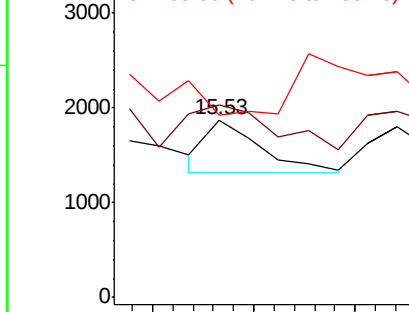
264 100

260 108.4 18.9 28.3#

265 103.0 17.3 25.9#



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



#88

Benzo(b)fluoranthene

Concen: 94.907 ng

RT: 15.12 min Scan# 2215

Delta R.T. 0.03 min

Lab File: BF113860.D

Acq: 19 Apr 2019 16:03

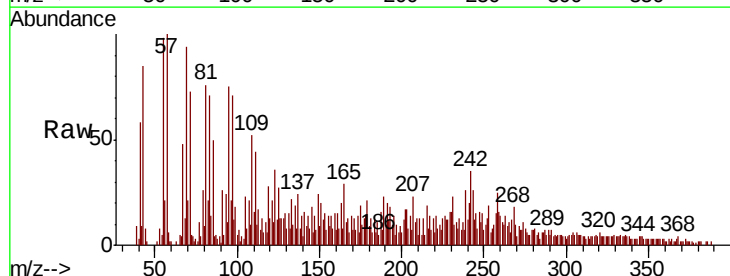
Tgt Ion: 252 Resp: 2479

Ion Ratio Lower Upper

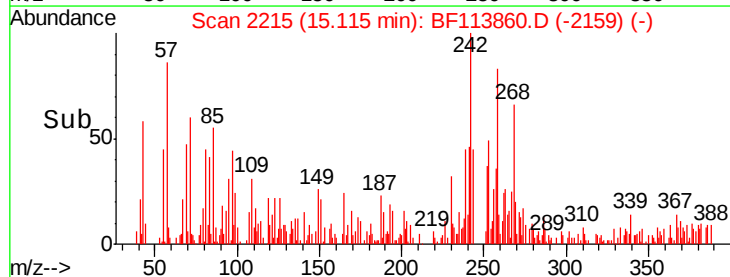
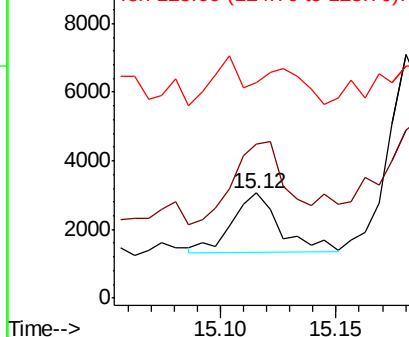
252 100

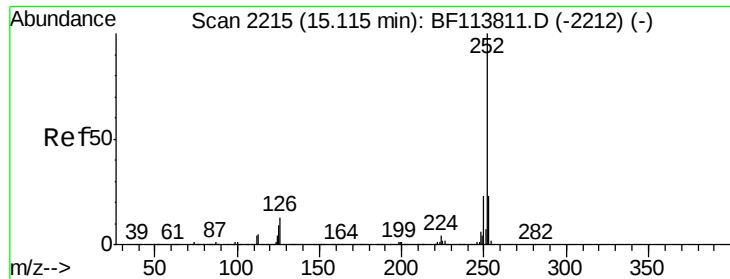
253 146.8 17.8 26.6#

125 206.1 7.0 10.6#



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

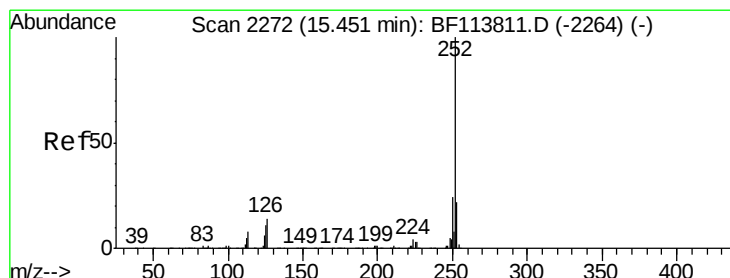
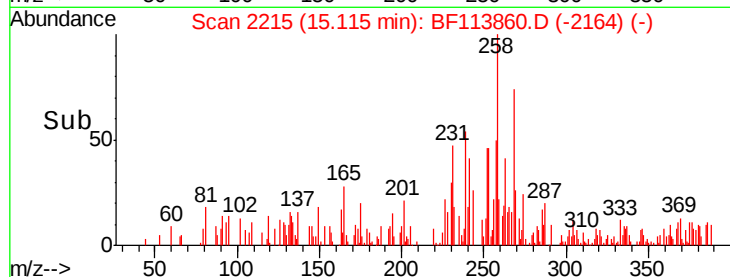
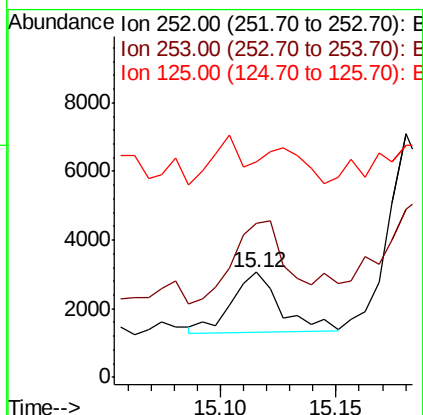
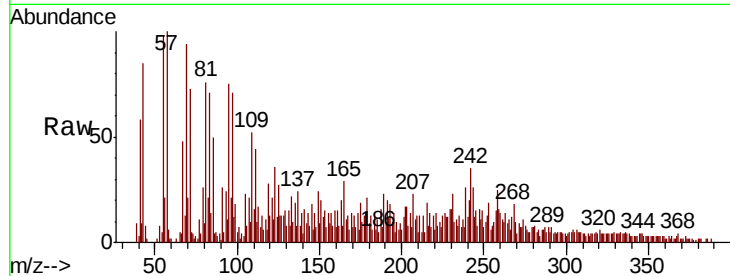




#89
Benzo(k)fluoranthene
Concen: 107.773 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.00 min
Lab File: BF113860.D
Acq: 19 Apr 2019 16:03

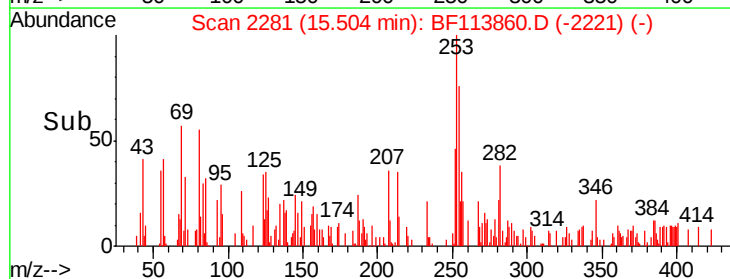
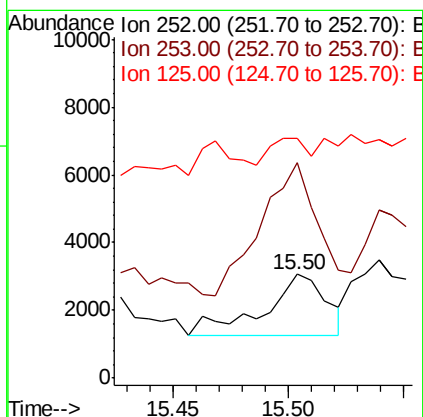
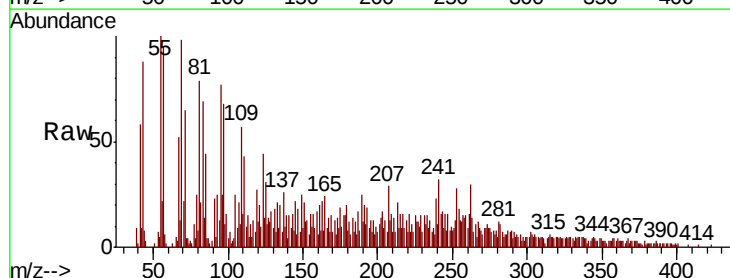
Instrument :
BNA_F
ClientSampleId :
PL-01-041819-A

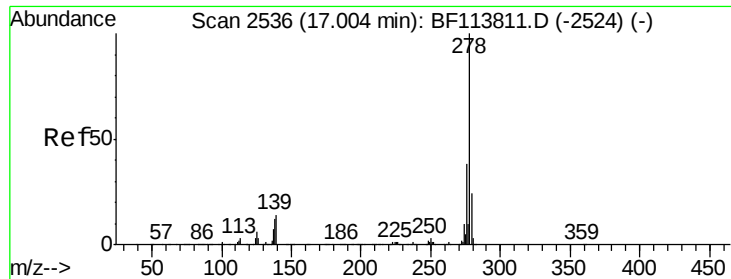
Tgt Ion:252 Resp: 2564
Ion Ratio Lower Upper
252 100
253 146.8 18.2 27.2#
125 206.1 7.4 11.2#



#90
Benzo(a)pyrene
Concen: 145.259 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.05 min
Lab File: BF113860.D
Acq: 19 Apr 2019 16:03

Tgt Ion:252 Resp: 3355
Ion Ratio Lower Upper
252 100
253 208.0 17.5 26.3#
125 231.9 8.5 12.7#

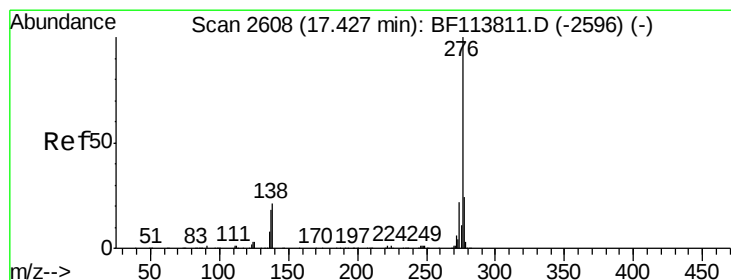
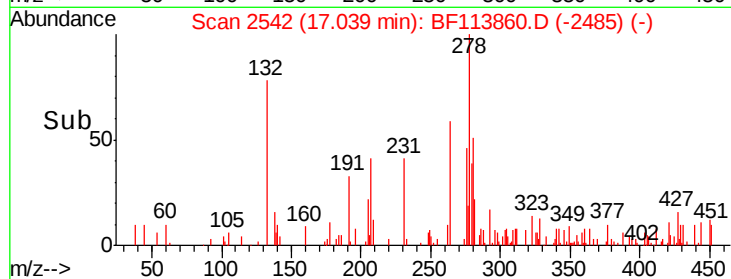
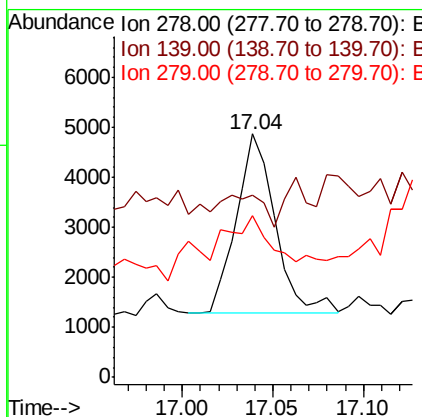
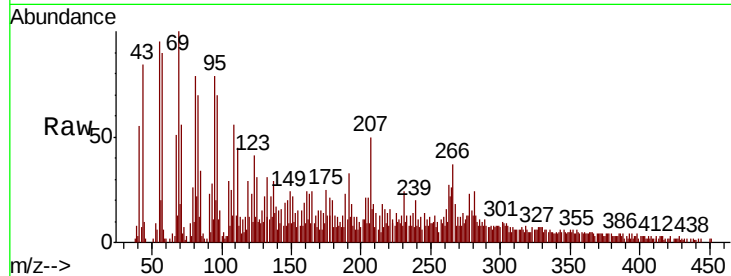




#91
Dibenzo(a,h)anthracene
Concen: 257.656 ng
RT: 17.04 min Scan# 2542
Delta R.T. 0.04 min
Lab File: BF113860.D
Acq: 19 Apr 2019 16:03

Instrument :
BNA_F
ClientSampleId :
PL-01-041819-A

Tgt Ion: 278 Resp: 5295
Ion Ratio Lower Upper
278 100
139 74.7 11.6 17.4#
279 66.3 19.0 28.6#



#92
Benzo(g,h,i)perylene
Concen: 142.569 ng
RT: 17.45 min Scan# 2612
Delta R.T. 0.02 min
Lab File: BF113860.D
Acq: 19 Apr 2019 16:03

Tgt Ion: 276 Resp: 2978
Ion Ratio Lower Upper
276 100
277 106.2 19.0 28.4#
138 95.1 16.6 25.0#

