

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
 Data File : BF113859.D
 Acq On : 19 Apr 2019 15:37
 Operator : JU/SJ
 Sample : K2201-07 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Apr 19 23:23:05 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

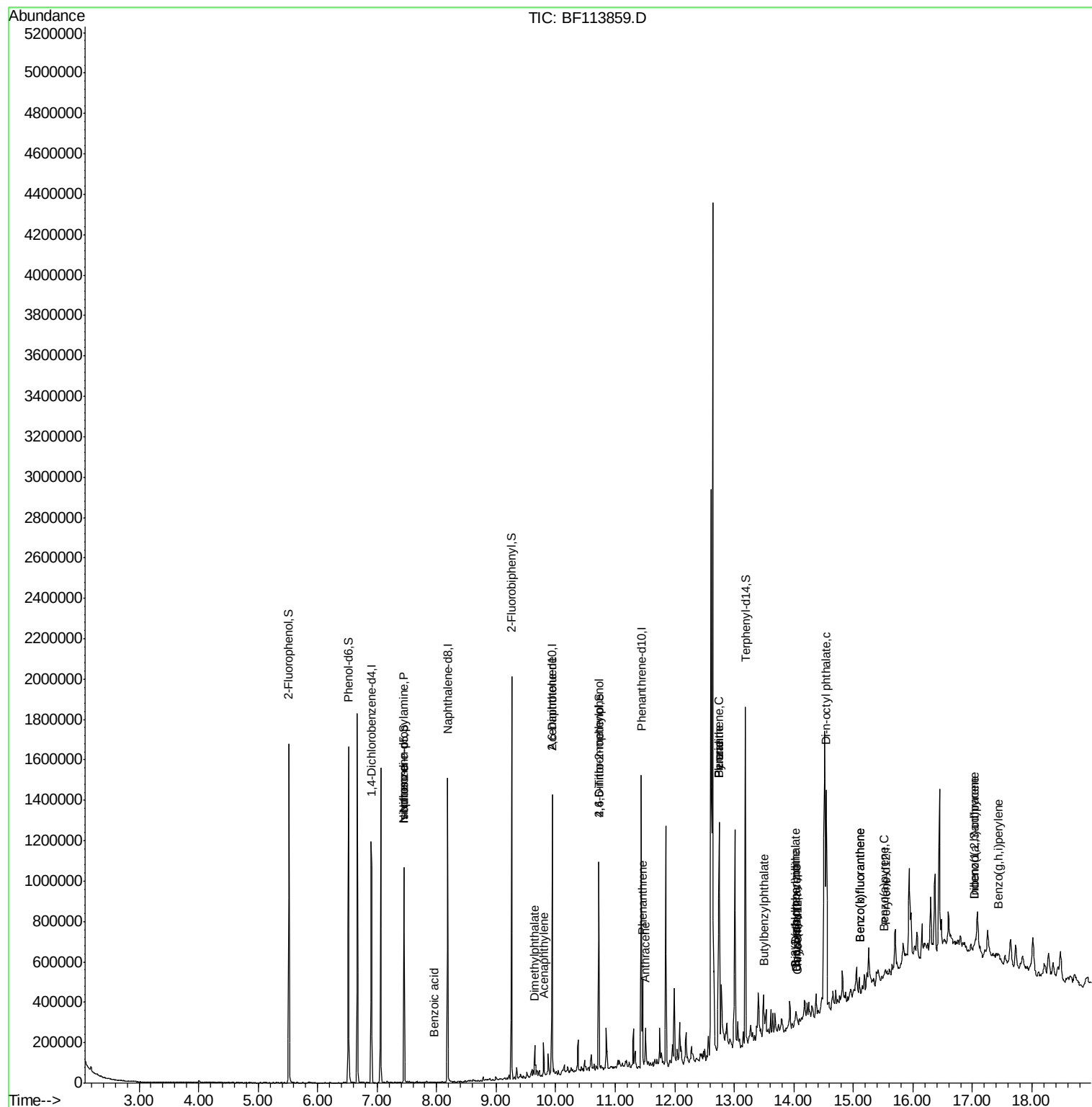
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	179967	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	625428	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	266462	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	494643	20.00	ng	0.02
76) Chrysene-d12	14.06	240	402	20.00	ng	0.02
87) Perylene-d12	15.53	264	249	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	462027	42.69	ng	0.00
7) Phenol-d6	6.52	99	575097	42.61	ng	0.00
23) Nitrobenzene-d5	7.45	82	309615	30.15	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	123689	42.02	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	563920	32.27	ng	0.00
79) Terphenyl-d14	13.19	244	656266	34232.78	ng	0.19
Target Compounds						
9) Benzaldehyde	6.52	77	846	Below Cal		Qvalue # 3
19) n-Nitroso-di-n-propylamine	7.45	70	41266	4.580	ng	# 78
25) Isophorone	7.45	82	309673	14.563	ng	# 65
32) Benzoic acid	7.96	122	109	5.943	ng	# 33
49) Acenaphthylene	9.80	152	65643	2.543	ng	98
50) Dimethylphthalate	9.65	163	48172	2.583	ng	100
51) 2,6-Dinitrotoluene	9.94	165	35754	8.688	ng	# 34
65) 4,6-Dinitro-2-methylphenol	10.72	198	119	6.977	ng	# 1
71) Phenanthrene	11.46	178	151093	5.998	ng	97
72) Anthracene	11.51	178	70890	2.792	ng	97
75) Fluoranthene	12.75	202	454000	17.004	ng	98
77) Benzidine	12.74	184	379	28.584	ng	# 1
78) Pyrene	12.75	202	454000	16024.630	ng	98
80) Butylbenzylphthalate	13.50	149	835	79.562	ng	# 21
81) Benzo(a)anthracene	14.05	228	1872	79.663	ng	# 1
82) 3,3'-Dichlorobenzidine	14.04	252	174	20.833	ng	# 52
83) Chrysene	14.05	228	1867	80.046	ng	# 1
84) Bis(2-ethylhexyl)phthalate	14.03	149	608	48.425	ng	# 57
85) Di-n-octyl phthalate	14.54	149	281494	14450.006	ng	# 79
86) Indeno(1,2,3-cd)pyrene	17.03	276	1522	79.933	ng	# 16
88) Benzo(b)fluoranthene	15.12	252	741	47.737	ng	# 1
89) Benzo(k)fluoranthene	15.12	252	854	60.404	ng	# 1
90) Benzo(a)pyrene	15.50	252	1408	102.582	ng	# 1
91) Dibenzo(a,h)anthracene	17.03	278	3379	276.680	ng	# 1
92) Benzo(g,h,i)perylene	17.44	276	2044	164.663	ng	# 1

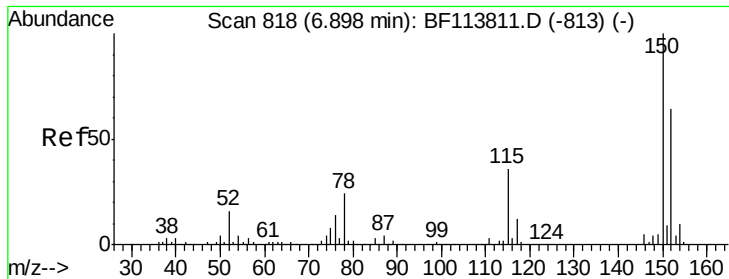
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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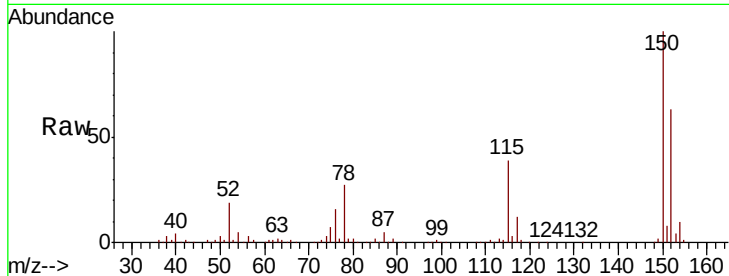




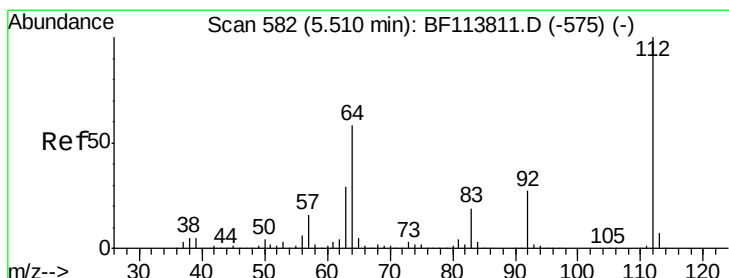
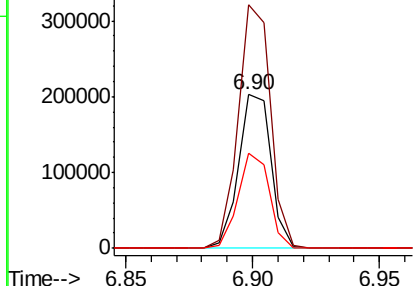
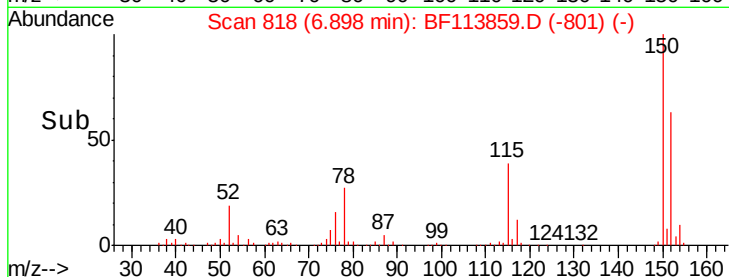
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.90 min Scan# 818
 Delta R.T. 0.00 min
 Lab File: BF113859.D
 Acq: 19 Apr 2019 15:37

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

Tgt Ion:152 Resp: 179967
 Ion Ratio Lower Upper
 152 100
 150 158.6 125.9 188.9
 115 62.3 45.9 68.9

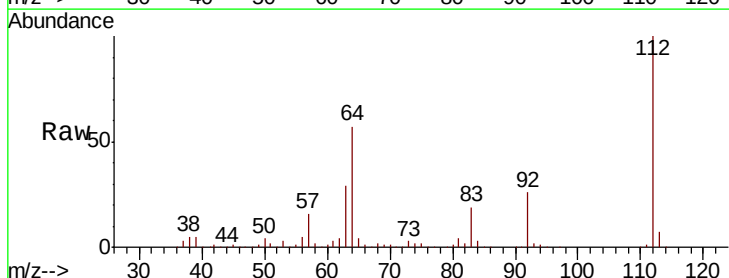


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

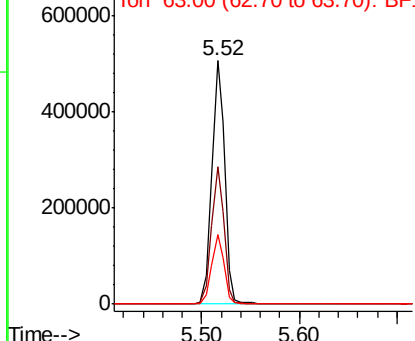
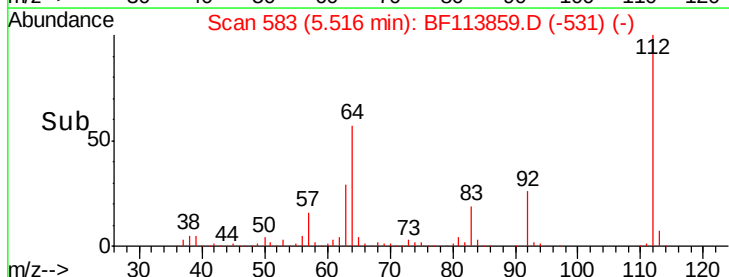


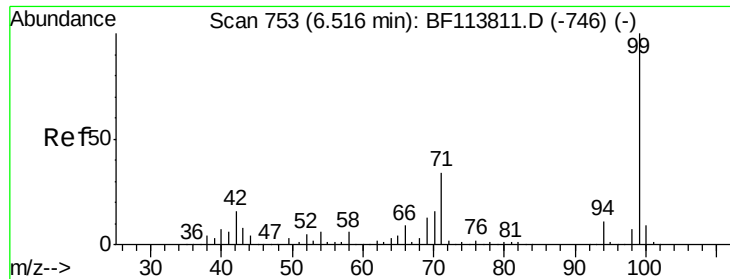
#5
 2-Fluorophenol
 Concen: 42.688 ng
 RT: 5.52 min Scan# 583
 Delta R.T. 0.01 min
 Lab File: BF113859.D
 Acq: 19 Apr 2019 15:37

Tgt Ion:112 Resp: 462027
 Ion Ratio Lower Upper
 112 100
 64 56.6 46.6 69.8
 63 28.8 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: 42.608 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF113859.D

Acq: 19 Apr 2019 15:37

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-D

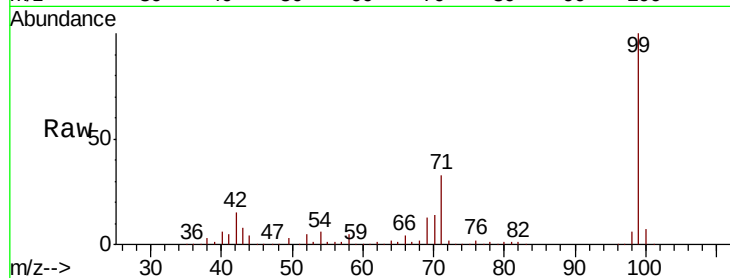
Tgt Ion: 99 Resp: 575097

Ion Ratio Lower Upper

99 100

42 15.1 12.5 18.7

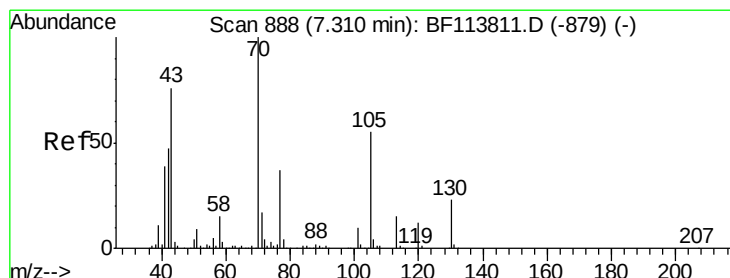
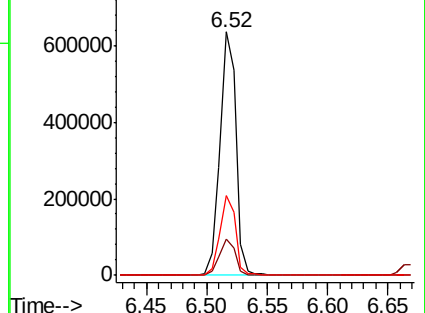
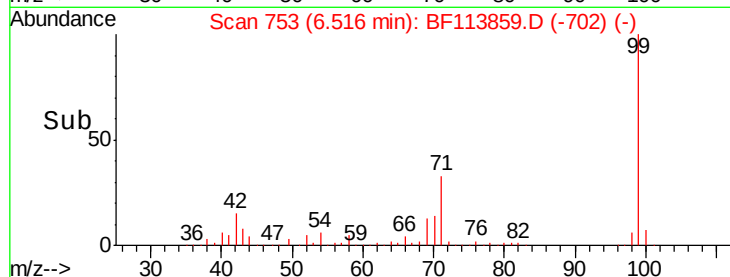
71 32.9 26.9 40.3



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: 4.580 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF113859.D

Acq: 19 Apr 2019 15:37

Tgt Ion: 70 Resp: 41266

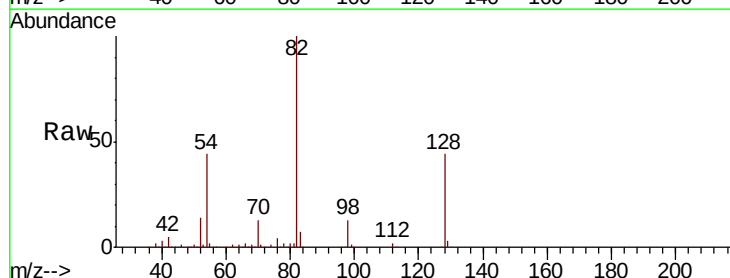
Ion Ratio Lower Upper

70 100

42 39.9 37.3 55.9

101 0.0 7.8 11.8#

130 2.1 18.2 27.2#

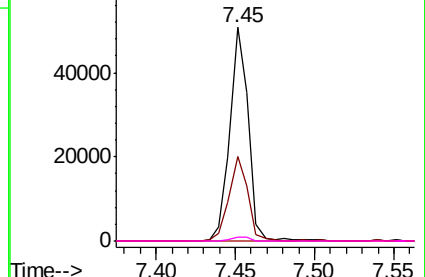
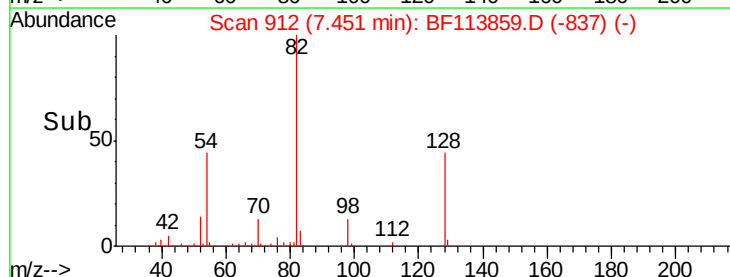


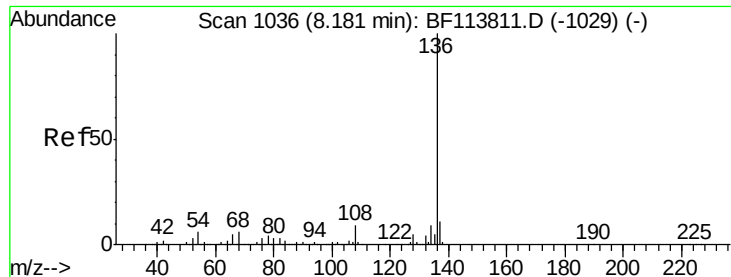
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

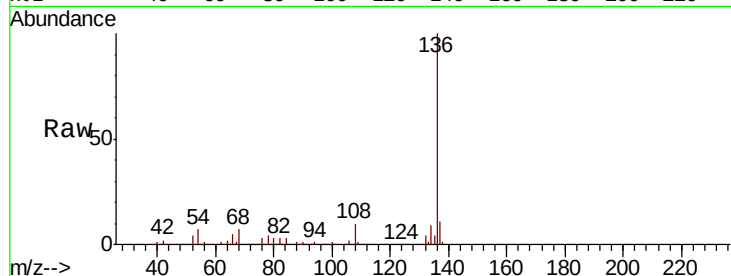




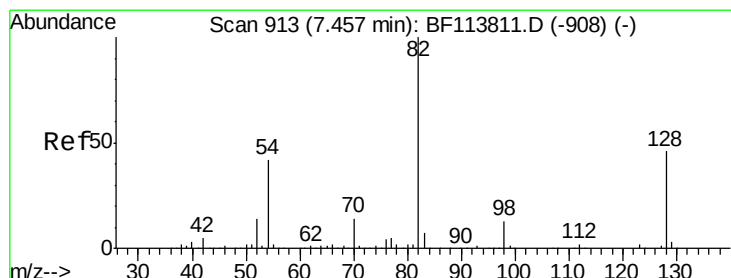
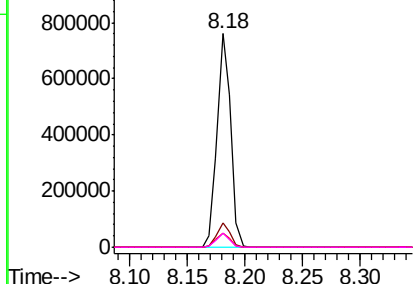
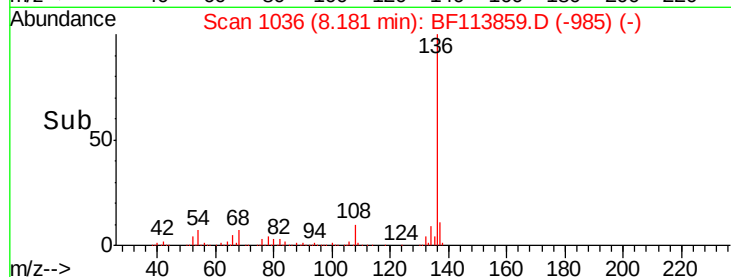
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BF113859.D
Acq: 19 Apr 2019 15:37

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

Tgt Ion:	136	Resp:	625428
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	12.8
54	6.9	5.0	7.6
68	6.6	4.9	7.3

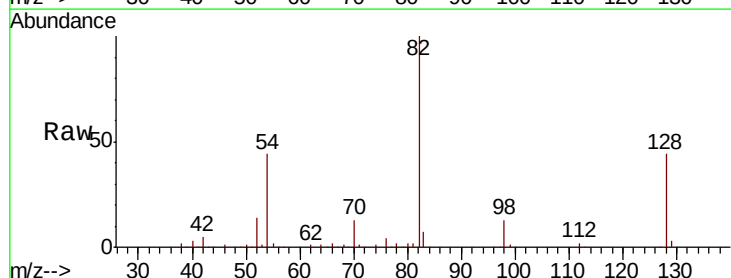


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

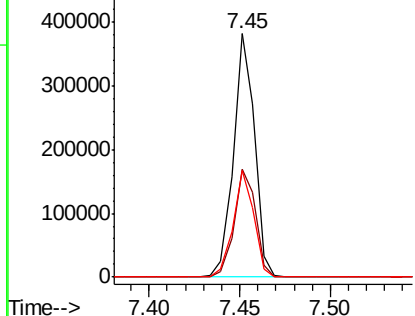
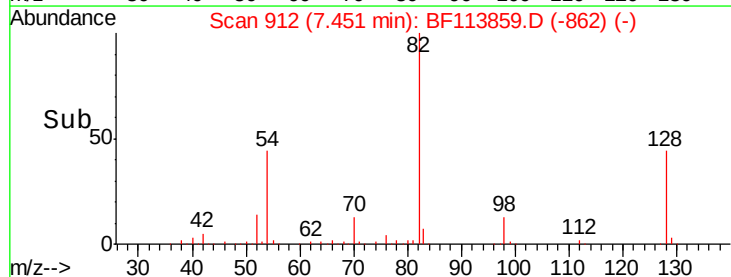


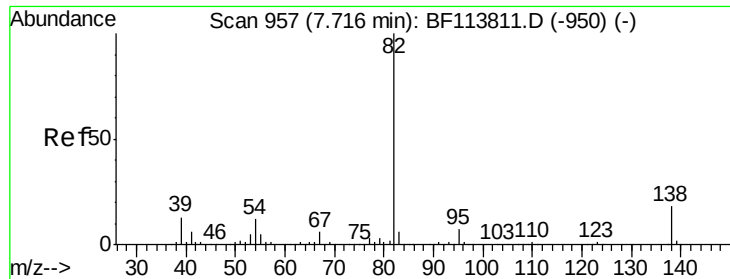
#23
Nitrobenzene-d5
Concen: 30.146 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF113859.D
Acq: 19 Apr 2019 15:37

Tgt Ion:	82	Resp:	309615
Ion	Ratio	Lower	Upper
82	100		
128	44.5	36.8	55.2
54	43.7	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: 14.563 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF113859.D

Acq: 19 Apr 2019 15:37

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-D

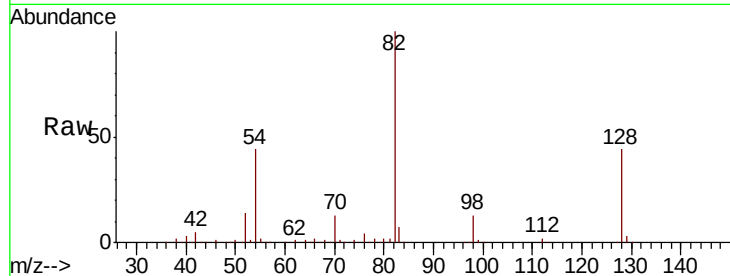
Tgt Ion: 82 Resp: 309673

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 14.6 22.0#

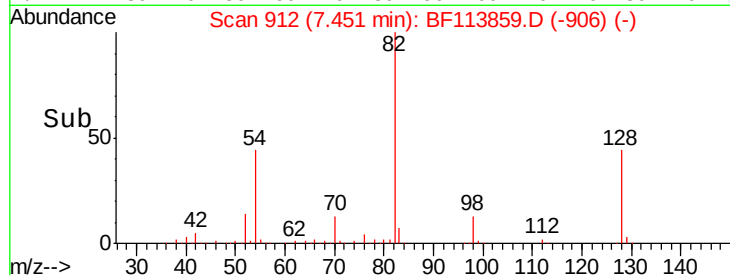


Abundance Ion 82.00 (81.70 to 82.70): BF1

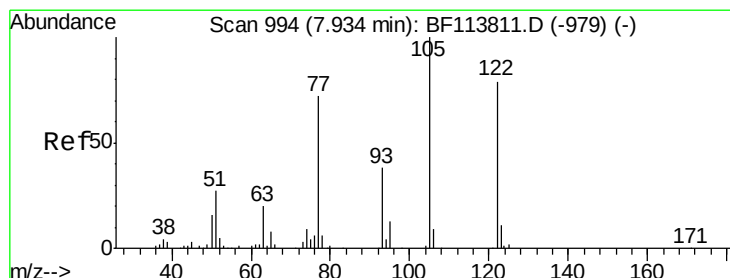
Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

Time-->



Time-->



#32

Benzoic acid

Concen: 5.943 ng

RT: 7.96 min Scan# 998

Delta R.T. 0.02 min

Lab File: BF113859.D

Acq: 19 Apr 2019 15:37

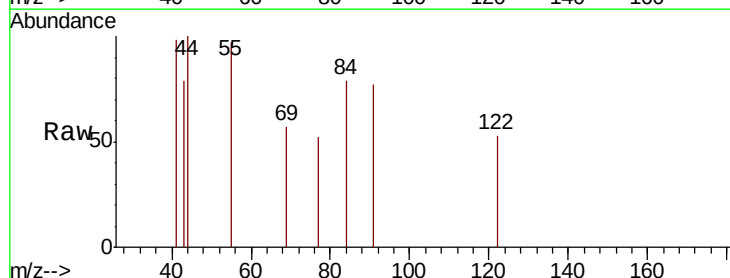
Tgt Ion: 122 Resp: 109

Ion Ratio Lower Upper

122 100

105 0.0 104.3 144.3#

77 98.7 70.4 110.4

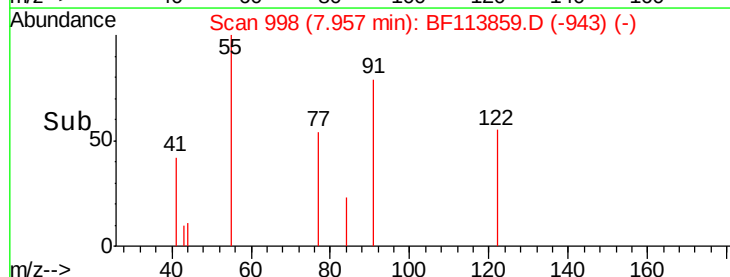


Abundance Ion 122.00 (121.70 to 122.70): E

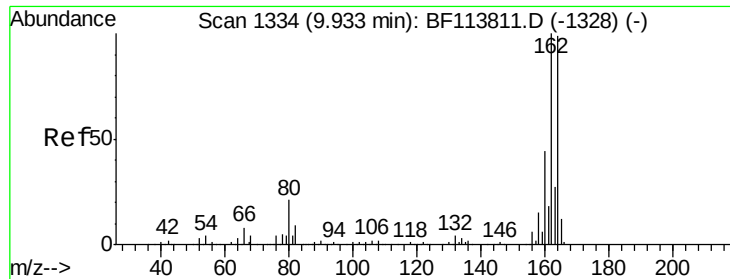
Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

Time-->



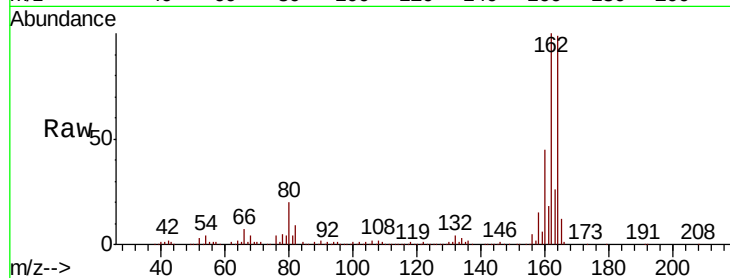
Time-->



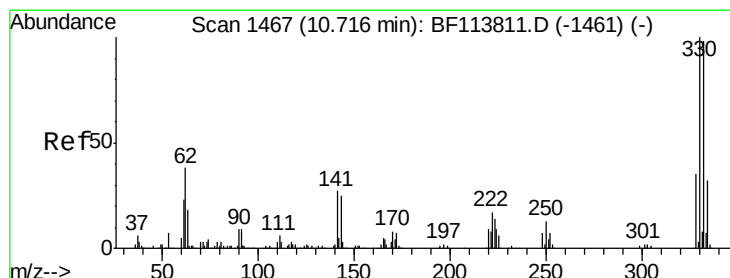
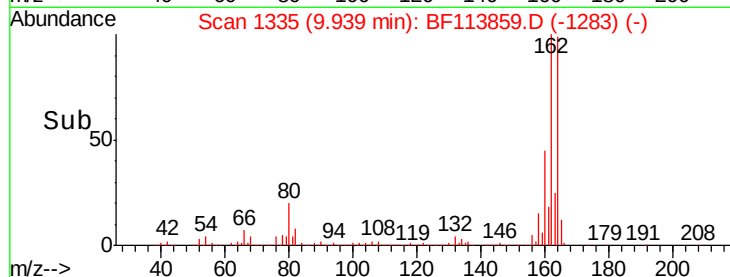
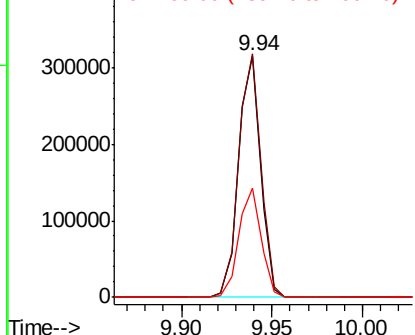
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.01 min
Lab File: BF113859.D
Acq: 19 Apr 2019 15:37

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

Tgt Ion:164 Resp: 266462
Ion Ratio Lower Upper
164 100
162 100.8 81.1 121.7
160 45.0 35.8 53.6

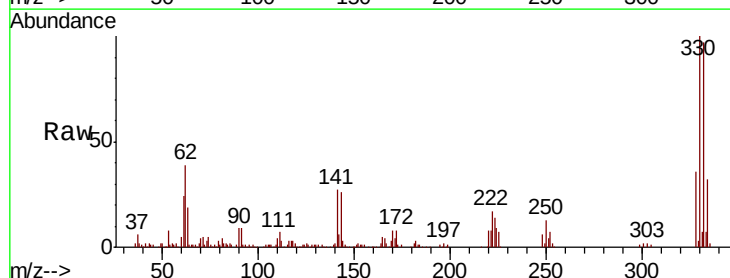


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

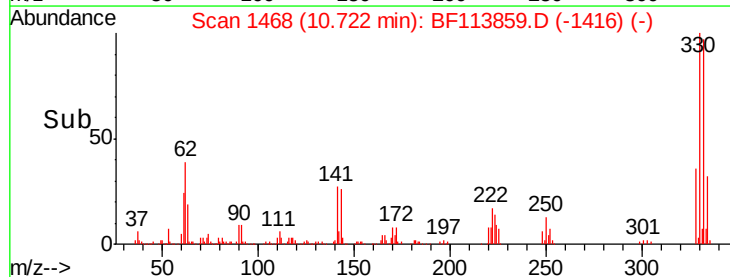
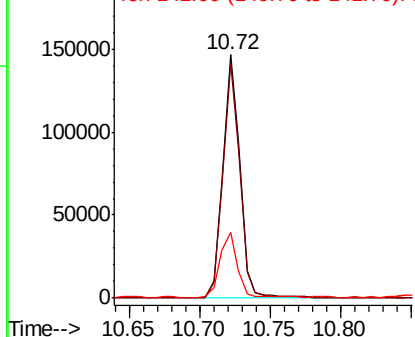


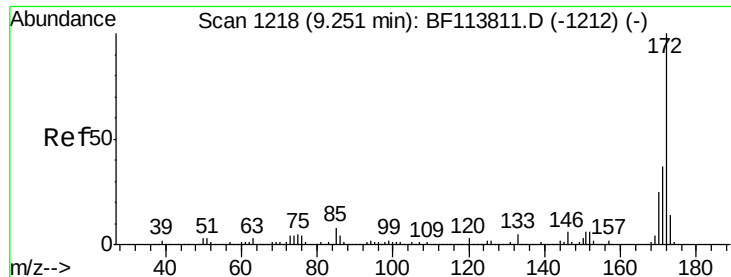
#42
2,4,6-Tribromophenol
Concen: 42.015 ng
RT: 10.72 min Scan# 1468
Delta R.T. 0.01 min
Lab File: BF113859.D
Acq: 19 Apr 2019 15:37

Tgt Ion:330 Resp: 123689
Ion Ratio Lower Upper
330 100
332 96.4 77.5 116.3
141 26.9 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

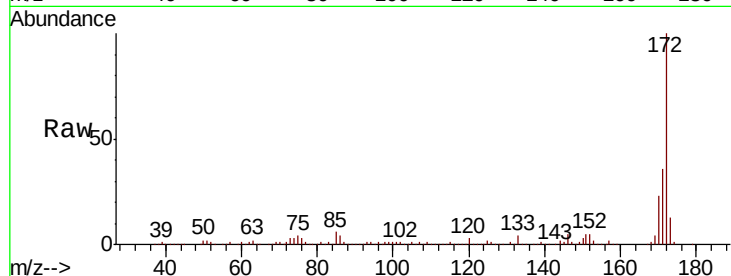




#45
2-Fluorobiphenyl
Concen: 32.275 ng
RT: 9.26 min Scan# 1219
Delta R.T. 0.01 min
Lab File: BF113859.D
Acq: 19 Apr 2019 15:37

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

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.4	44.0
170	23.4	19.9	29.9

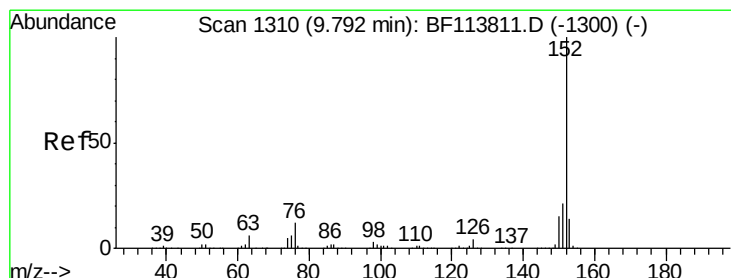
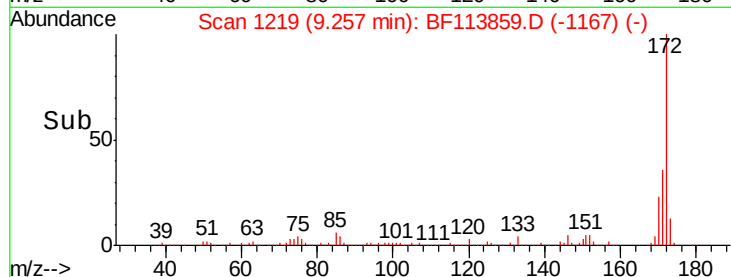
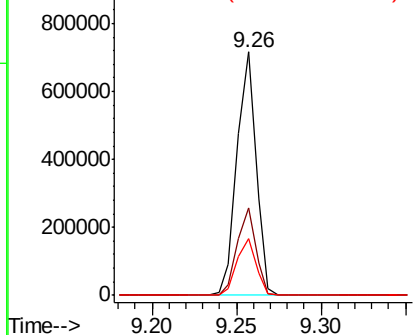


Abundance

Ion 172.00 (171.70 to 172.70): E

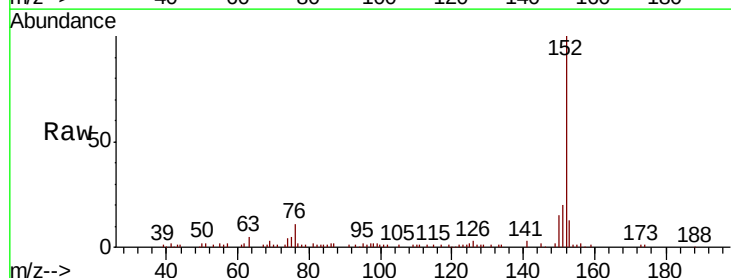
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49
Acenaphthylene
Concen: 2.543 ng
RT: 9.80 min Scan# 1311
Delta R.T. 0.01 min
Lab File: BF113859.D
Acq: 19 Apr 2019 15:37

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	17.0	25.4
153	12.8	11.0	16.6

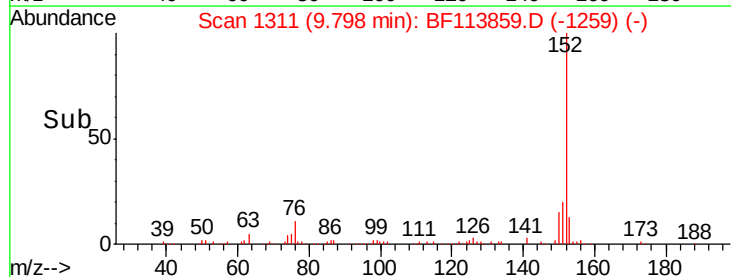
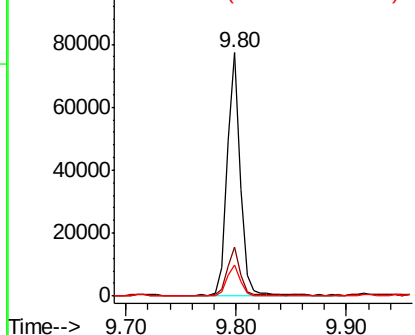


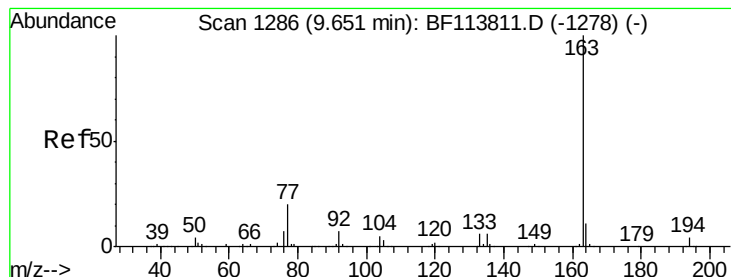
Abundance

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: 2.583 ng

RT: 9.65 min Scan# 1285

Delta R.T. -0.01 min

Lab File: BF113859.D

Acq: 19 Apr 2019 15:37

Instrument :

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ClientSampleId :

PL-01-041819-D

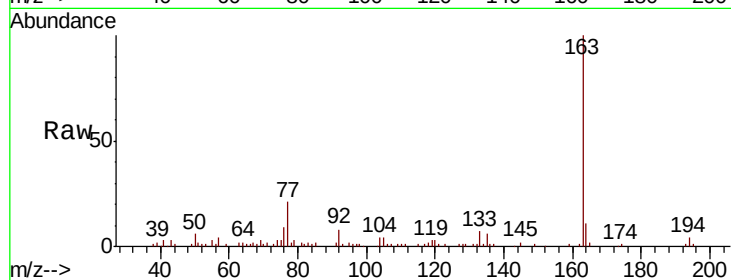
Tgt Ion:163 Resp: 48172

Ion Ratio Lower Upper

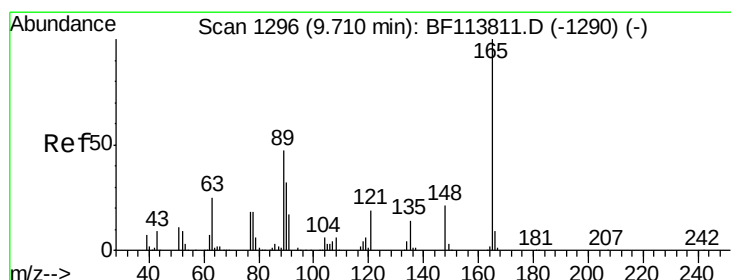
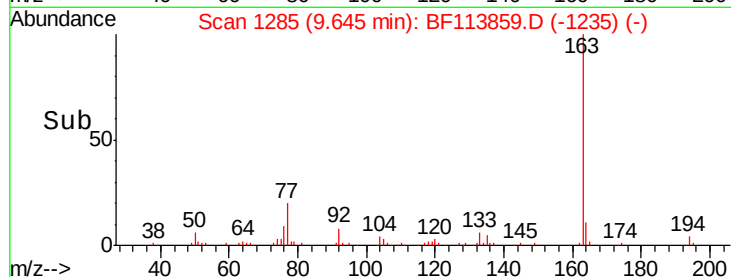
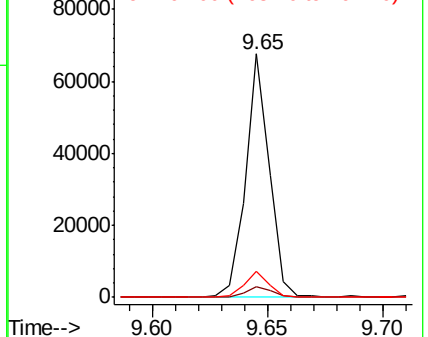
163 100

194 4.3 3.4 5.2

164 10.7 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



#51

2,6-Dinitrotoluene

Concen: 8.688 ng

RT: 9.94 min Scan# 1335

Delta R.T. 0.23 min

Lab File: BF113859.D

Acq: 19 Apr 2019 15:37

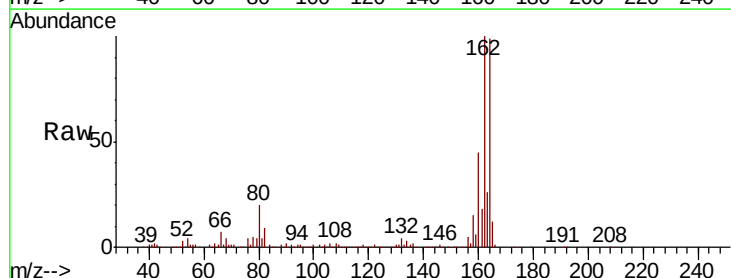
Tgt Ion:165 Resp: 35754

Ion Ratio Lower Upper

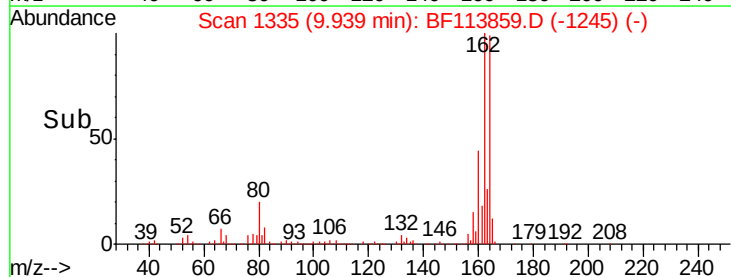
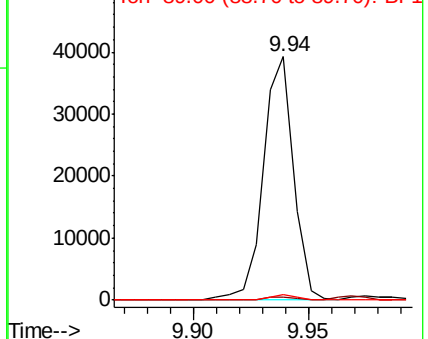
165 100

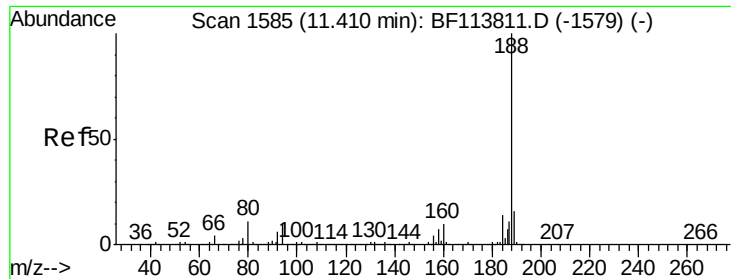
63 1.0 33.8 50.8#

89 2.1 38.2 57.2#



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.43 min Scan# 1589

Delta R.T. 0.02 min

Lab File: BF113859.D

Acq: 19 Apr 2019 15:37

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-D

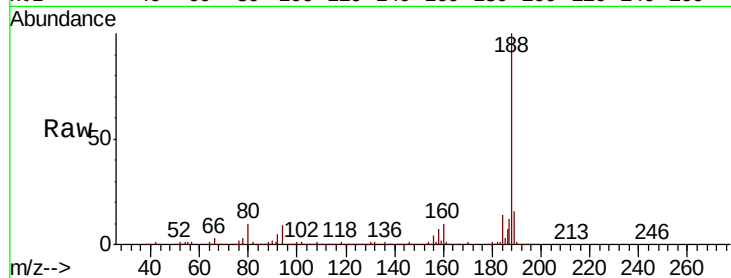
Tgt Ion:188 Resp: 494643

Ion Ratio Lower Upper

188 100

94 9.0 8.2 12.4

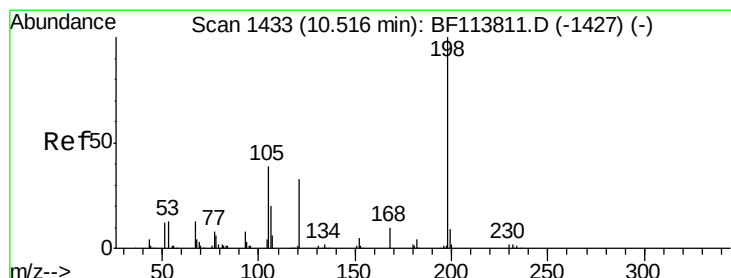
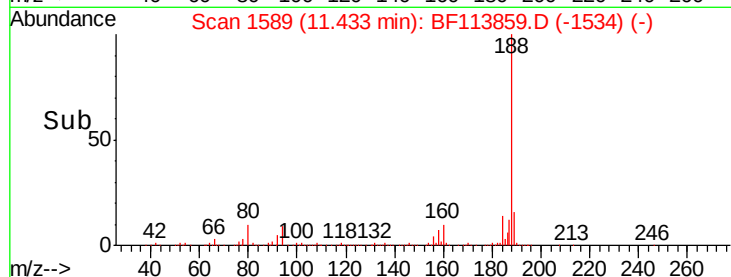
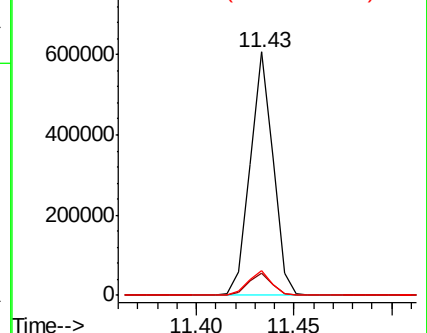
80 10.4 9.0 13.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#65

4,6-Dinitro-2-methylphenol

Concen: 6.977 ng

RT: 10.72 min Scan# 1468

Delta R.T. 0.21 min

Lab File: BF113859.D

Acq: 19 Apr 2019 15:37

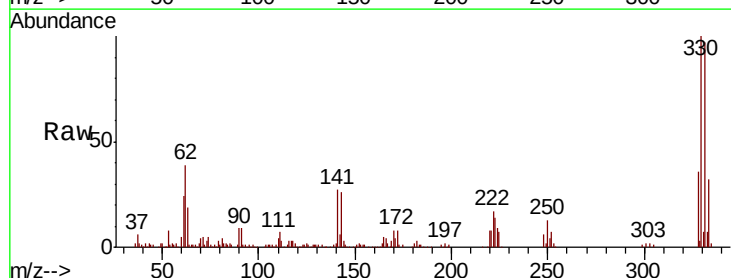
Tgt Ion:198 Resp: 119

Ion Ratio Lower Upper

198 100

51 194.7 11.1 51.1#

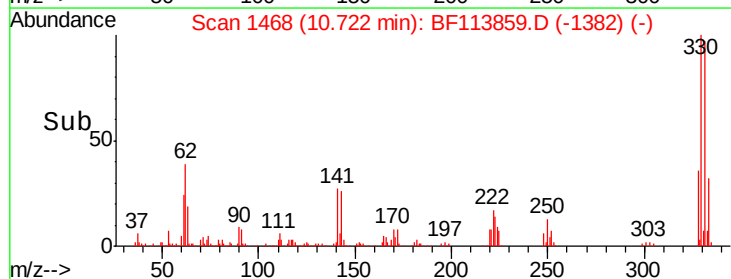
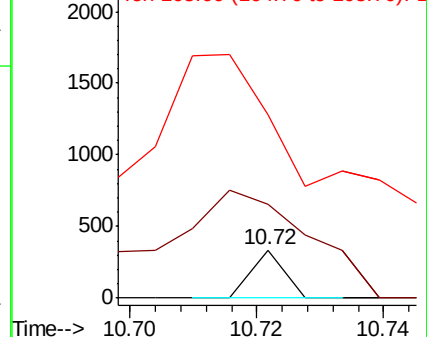
105 379.6 20.7 60.7#

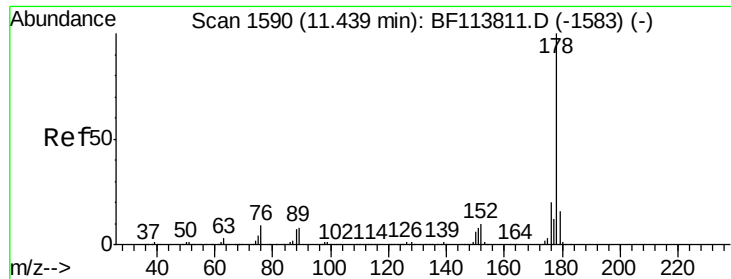


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

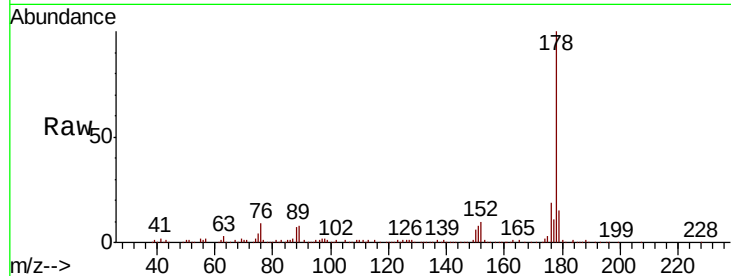




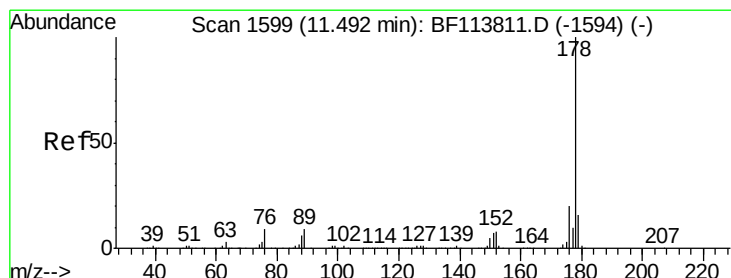
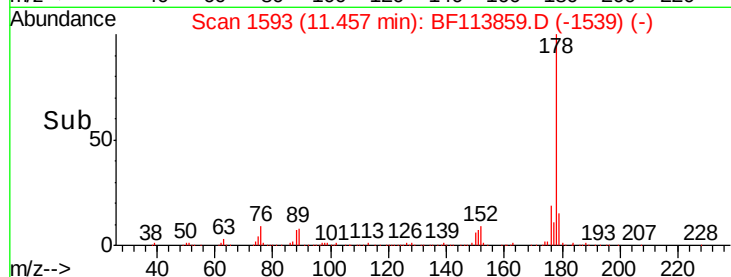
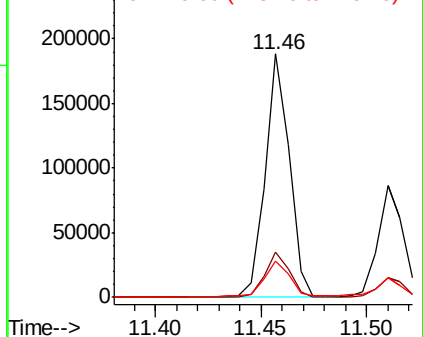
#71
Phenanthrene
Concen: 5.998 ng
RT: 11.46 min Scan# 1593
Delta R.T. 0.02 min
Lab File: BF113859.D
Acq: 19 Apr 2019 15:37

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

Tgt Ion:178 Resp: 151093
Ion Ratio Lower Upper
178 100
176 18.8 16.1 24.1
179 15.1 12.8 19.2

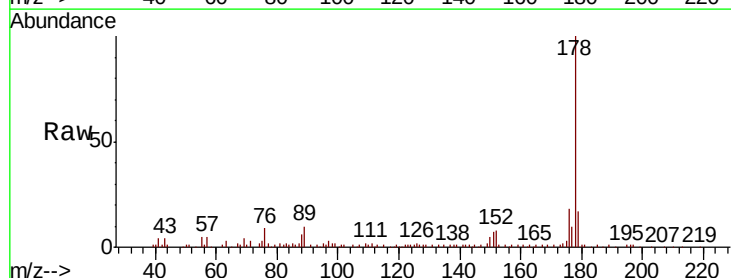


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

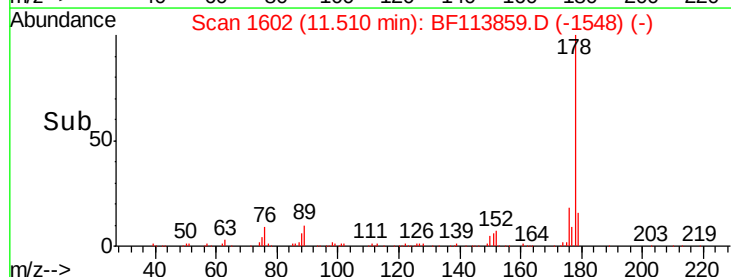
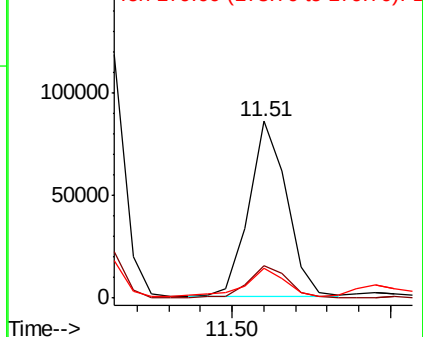


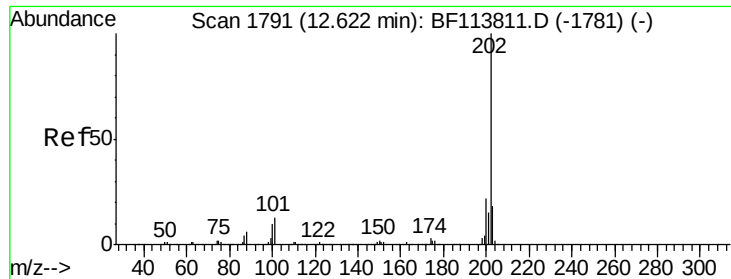
#72
Anthracene
Concen: 2.792 ng
RT: 11.51 min Scan# 1602
Delta R.T. 0.02 min
Lab File: BF113859.D
Acq: 19 Apr 2019 15:37

Tgt Ion:178 Resp: 70890
Ion Ratio Lower Upper
178 100
176 18.1 15.7 23.5
179 17.1 13.0 19.4



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





#75

Fluoranthene

Concen: 17.004 ng

RT: 12.75 min Scan# 1812

Delta R.T. 0.12 min

Lab File: BF113859.D

Acq: 19 Apr 2019 15:37

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-D

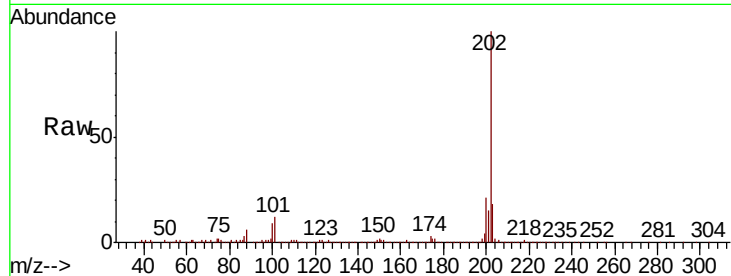
Tgt Ion:202 Resp: 454000

Ion Ratio Lower Upper

202 100

101 11.5 0.0 32.9

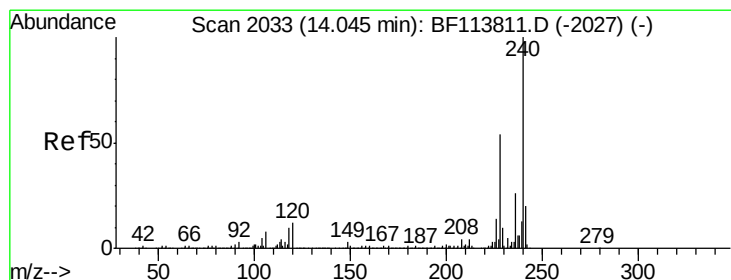
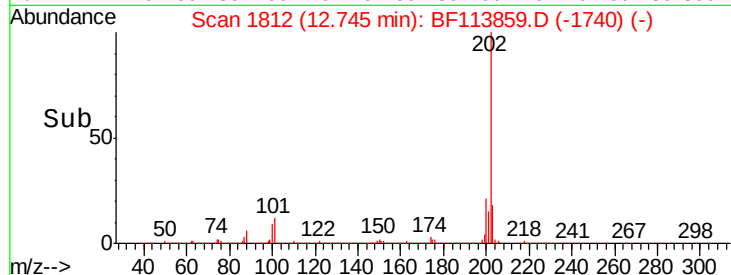
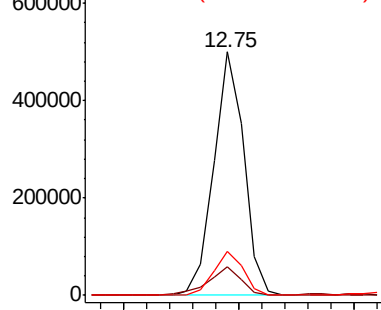
203 18.1 0.0 38.2



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: 14.06 min Scan# 2036

Delta R.T. 0.02 min

Lab File: BF113859.D

Acq: 19 Apr 2019 15:37

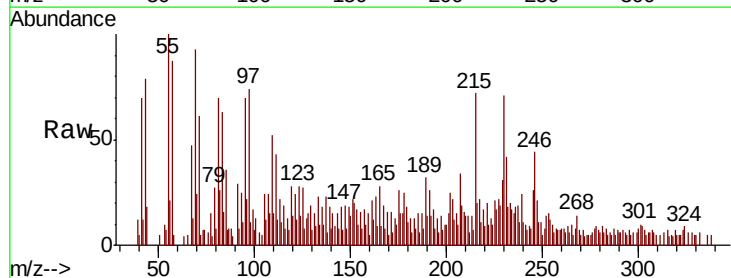
Tgt Ion:240 Resp: 402

Ion Ratio Lower Upper

240 100

120 129.7 9.3 13.9#

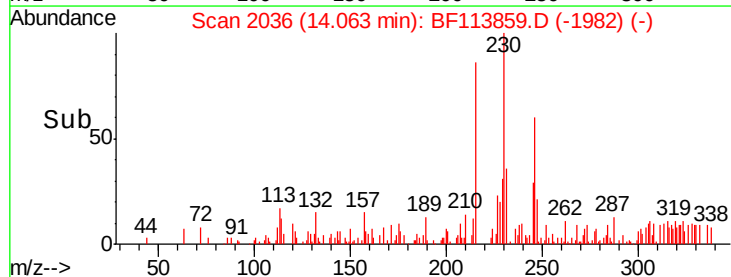
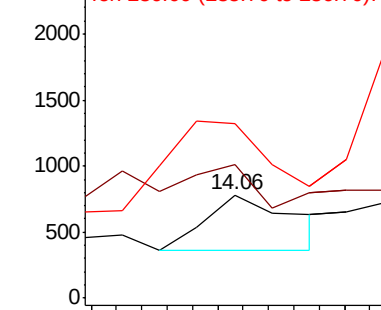
236 169.2 21.2 31.8#

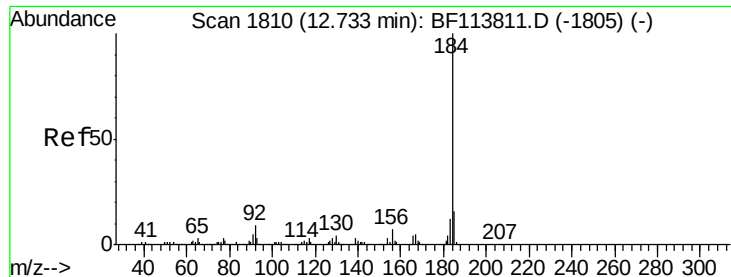


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 28.584 ng

RT: 12.74 min Scan# 1811

Delta R.T. 0.01 min

Lab File: BF113859.D

Acq: 19 Apr 2019 15:37

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-D

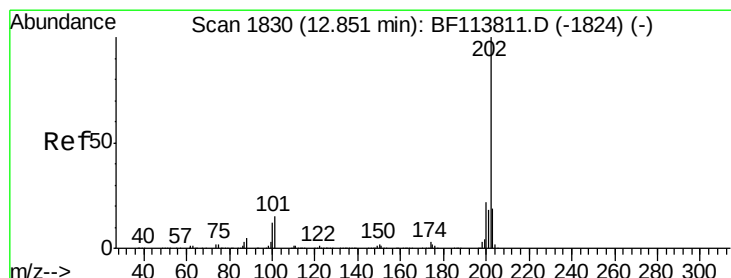
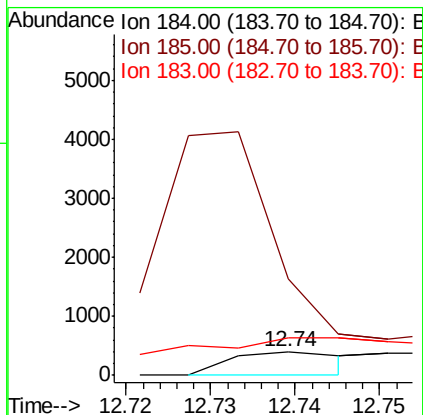
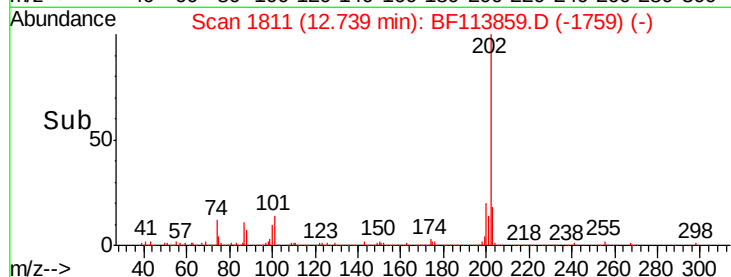
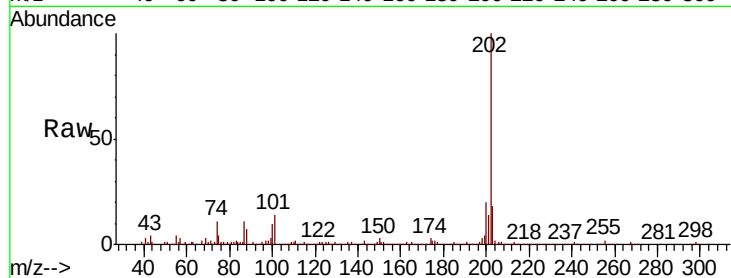
Tgt Ion:184 Resp: 379

Ion Ratio Lower Upper

184 100

185 407.7 13.0 19.6#

183 159.5 9.4 14.0#



#78

Pyrene

Concen: 16024.630 ng

RT: 12.75 min Scan# 1812

Delta R.T. -0.11 min

Lab File: BF113859.D

Acq: 19 Apr 2019 15:37

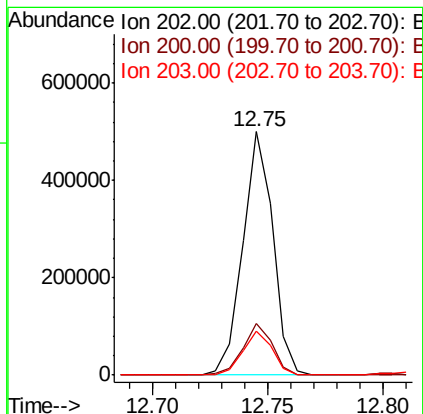
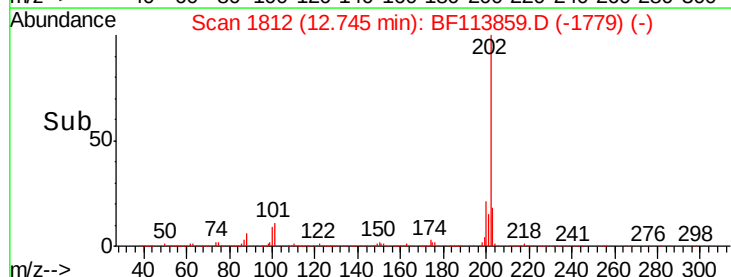
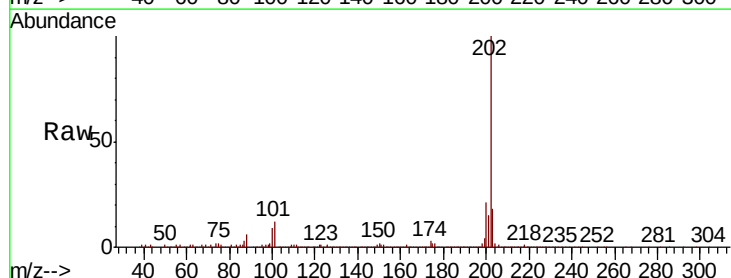
Tgt Ion:202 Resp: 454000

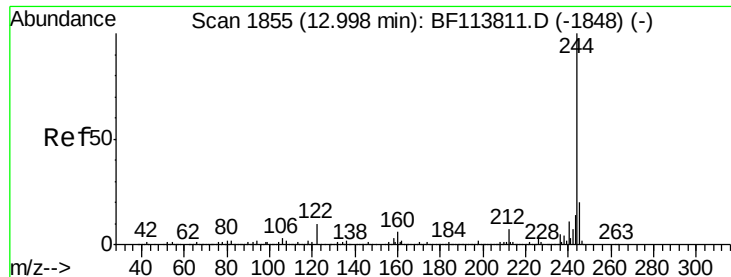
Ion Ratio Lower Upper

202 100

200 21.4 17.7 26.5

203 18.1 15.0 22.6





#79

Terphenyl-d14

Concen: 34232.778 ng

RT: 13.19 min Scan# 1887

Delta R.T. 0.19 min

Lab File: BF113859.D

Acq: 19 Apr 2019 15:37

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-D

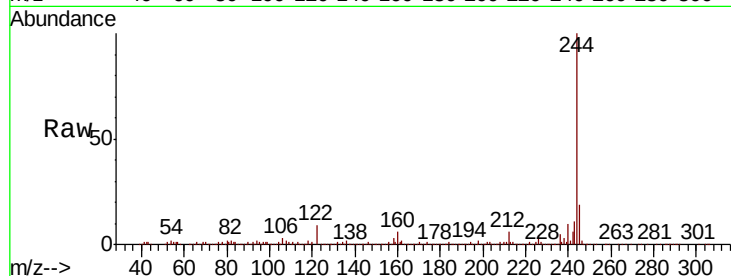
Tgt Ion:244 Resp: 656266

Ion Ratio Lower Upper

244 100

212 6.1 5.4 8.2

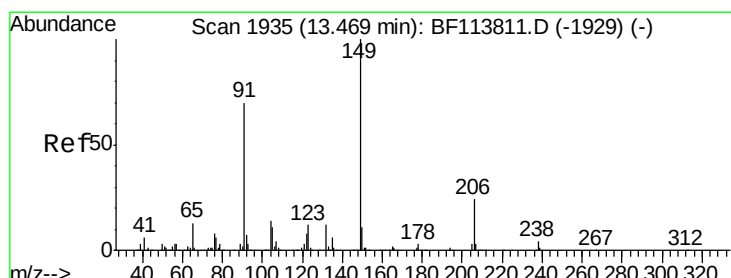
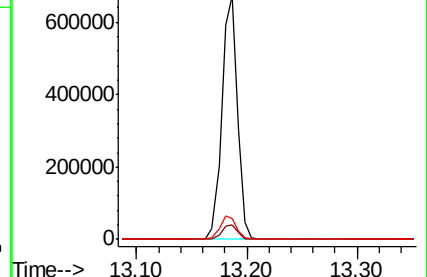
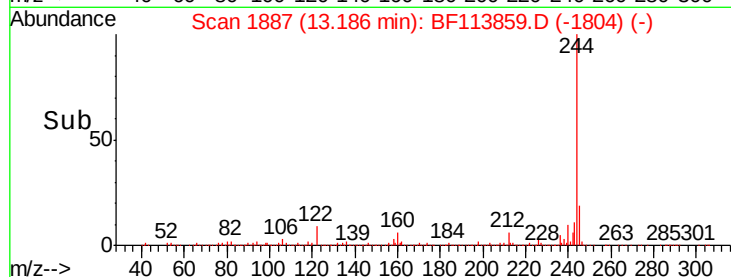
122 8.8 7.6 11.4



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: 79.562 ng

RT: 13.50 min Scan# 1941

Delta R.T. 0.04 min

Lab File: BF113859.D

Acq: 19 Apr 2019 15:37

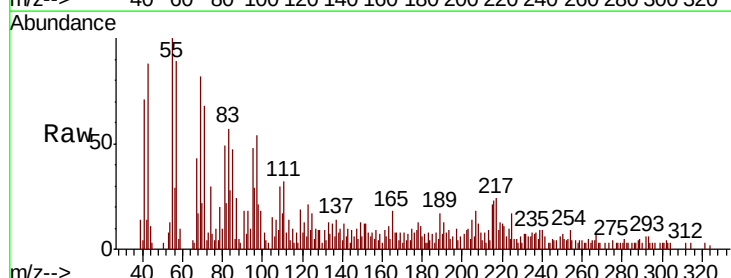
Tgt Ion:149 Resp: 835

Ion Ratio Lower Upper

149 100

91 142.6 56.3 84.5#

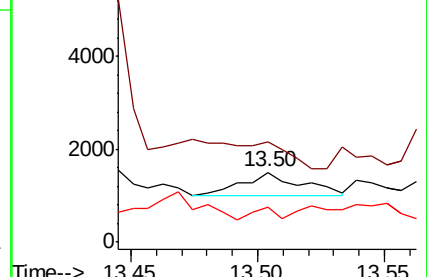
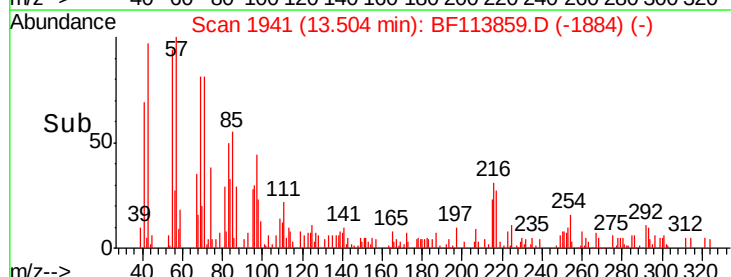
206 49.9 19.0 28.6#

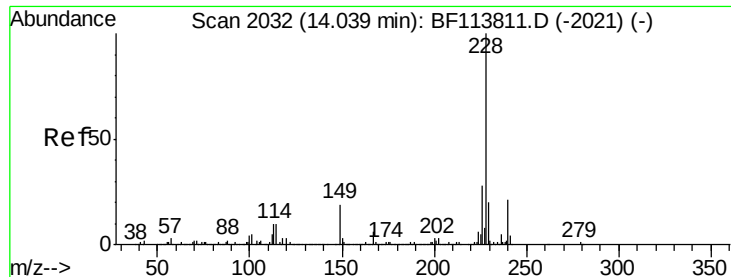


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 79.663 ng

RT: 14.05 min Scan# 2034

Delta R.T. 0.01 min

Lab File: BF113859.D

Acq: 19 Apr 2019 15:37

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-D

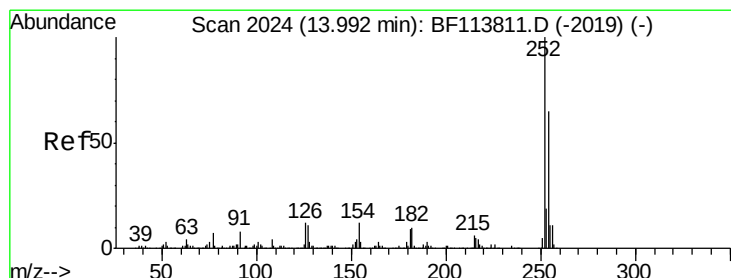
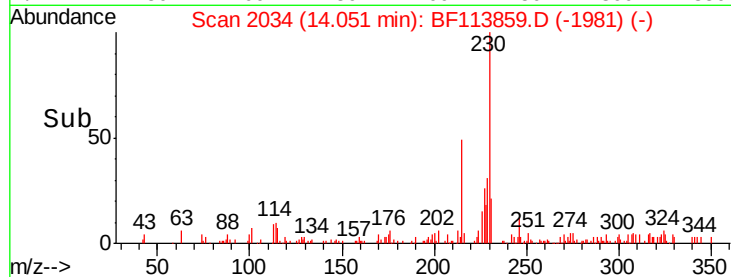
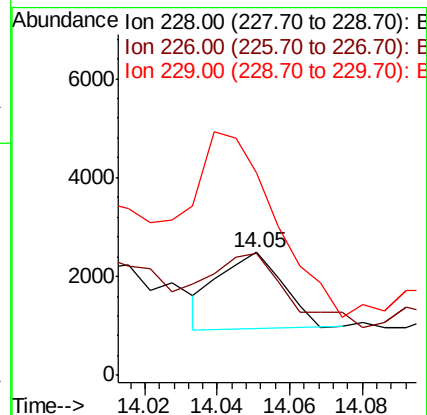
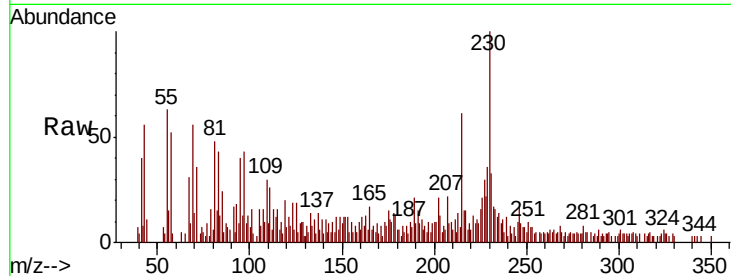
Tgt Ion:228 Resp: 1872

Ion Ratio Lower Upper

228 100

226 99.0 22.2 33.2#

229 164.7 16.0 24.0#



#82

3,3'-Dichlorobenzidine

Concen: 20.833 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.05 min

Lab File: BF113859.D

Acq: 19 Apr 2019 15:37

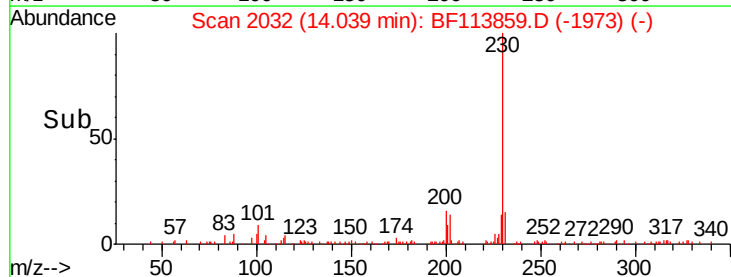
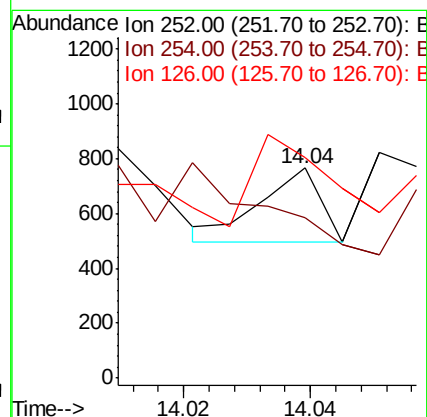
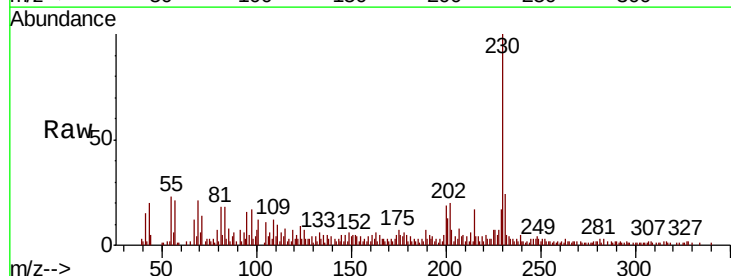
Tgt Ion:252 Resp: 174

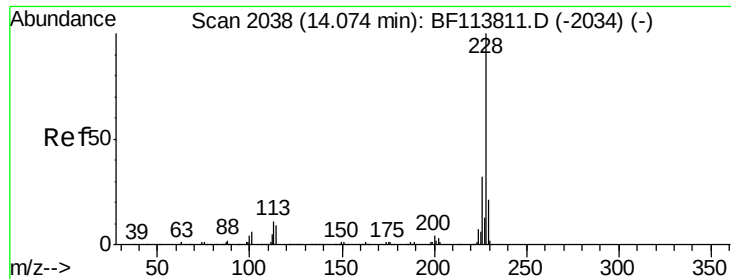
Ion Ratio Lower Upper

252 100

254 76.1 52.1 78.1

126 104.8 9.3 13.9#





#83

Chrysene

Concen: 80.046 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.02 min

Lab File: BF113859.D

Acq: 19 Apr 2019 15:37

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-D

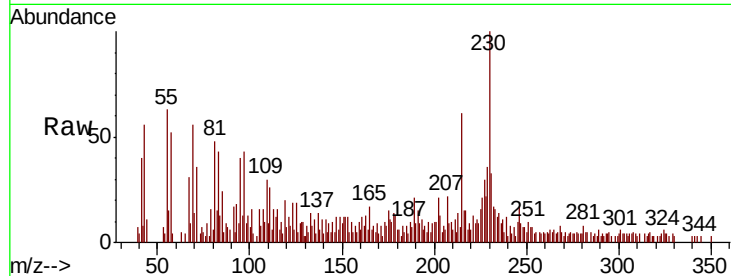
Tgt Ion:228 Resp: 1867

Ion Ratio Lower Upper

228 100

226 99.0 25.2 37.8#

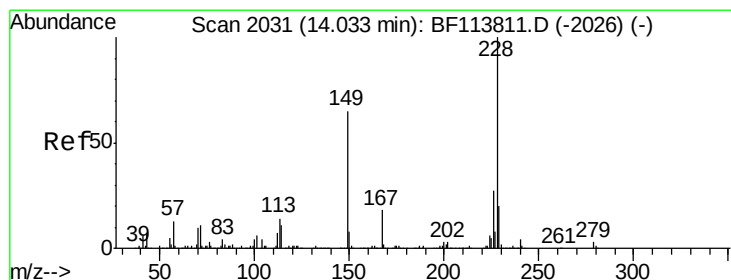
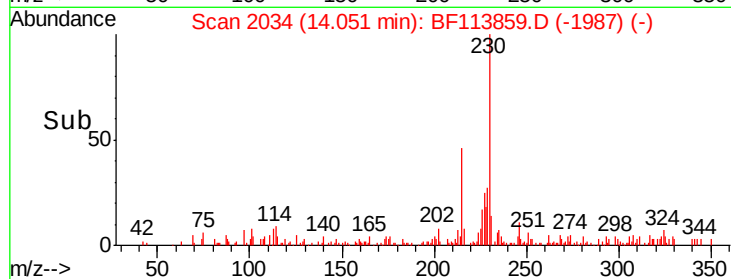
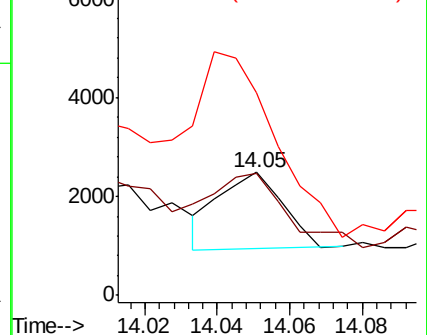
229 164.7 16.7 25.1#



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: 48.425 ng

RT: 14.03 min Scan# 2031

Delta R.T. 0.00 min

Lab File: BF113859.D

Acq: 19 Apr 2019 15:37

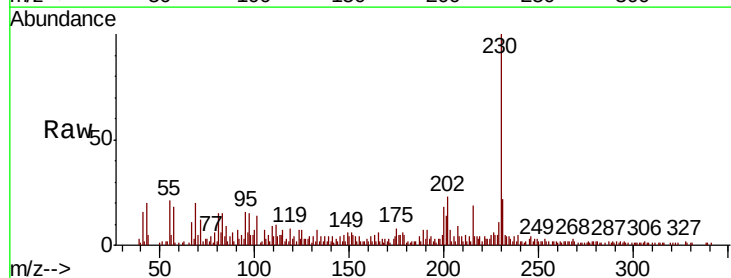
Tgt Ion:149 Resp: 608

Ion Ratio Lower Upper

149 100

167 49.2 22.9 34.3#

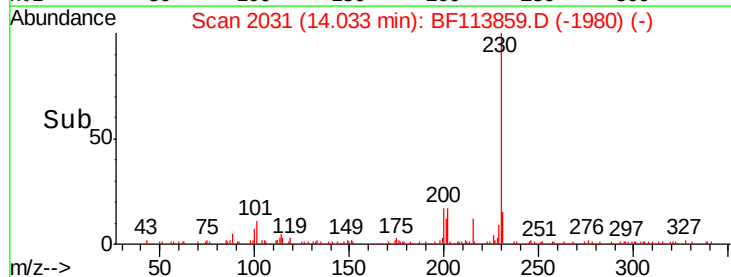
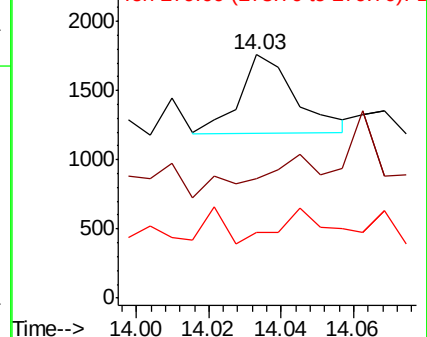
279 27.1 4.2 6.2#

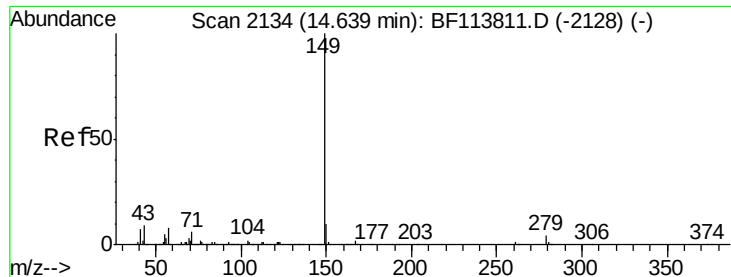


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 14450.006 ng

RT: 14.54 min Scan# 2118

Delta R.T. -0.09 min

Lab File: BF113859.D

Acq: 19 Apr 2019 15:37

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-D

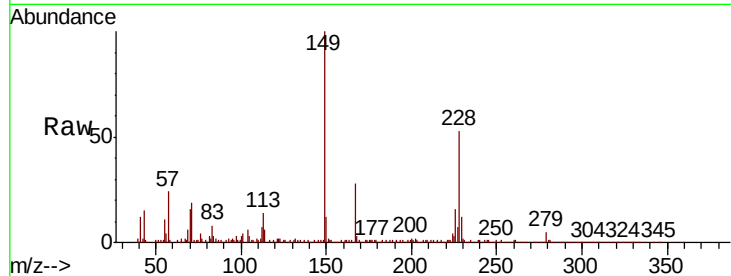
Tgt Ion:149 Resp: 281494

Ion Ratio Lower Upper

149 100

167 28.1 1.3 1.9#

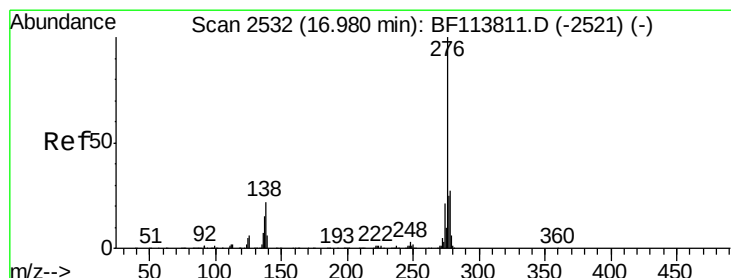
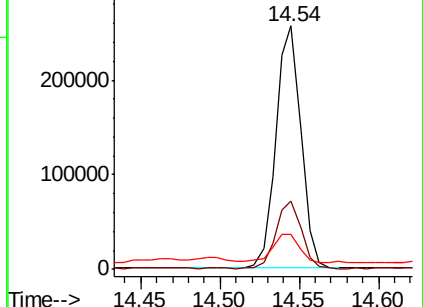
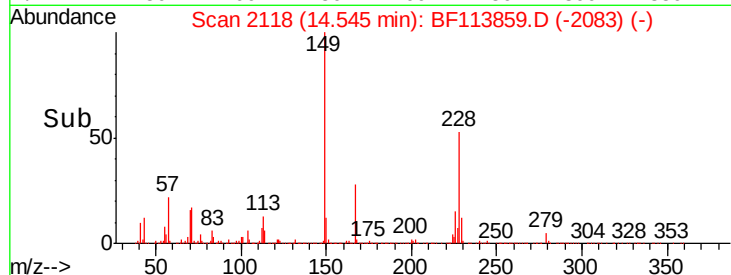
43 12.5 6.6 10.0#



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: 79.933 ng

RT: 17.03 min Scan# 2541

Delta R.T. 0.05 min

Lab File: BF113859.D

Acq: 19 Apr 2019 15:37

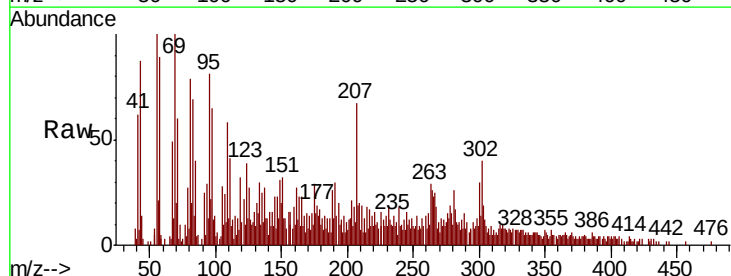
Tgt Ion:276 Resp: 1522

Ion Ratio Lower Upper

276 100

138 51.6 19.6 29.4#

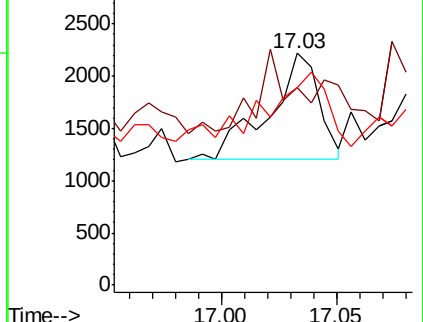
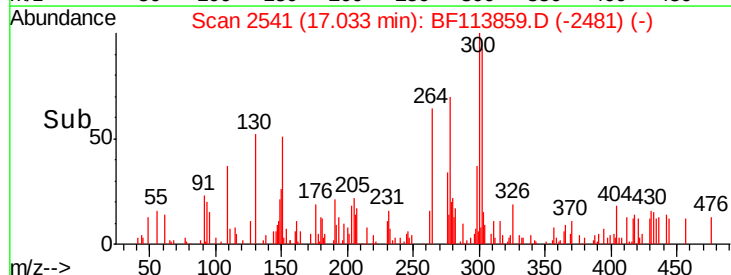
277 82.3 20.2 30.4#

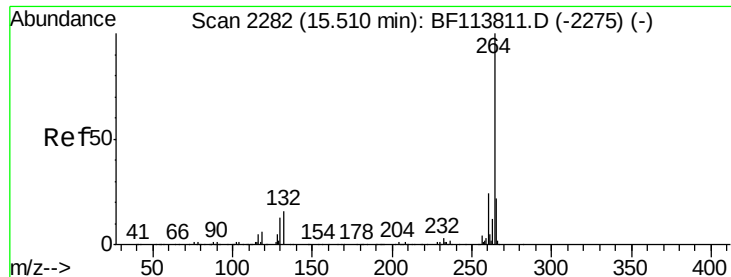


Abundance Ion 276.00 (275.70 to 276.70): E

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: BF113859.D

Acq: 19 Apr 2019 15:37

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-D

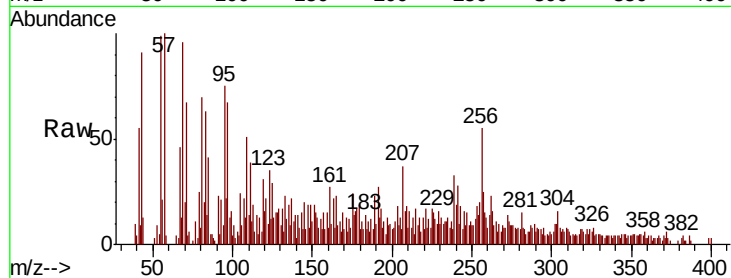
Tgt Ion:264 Resp: 249

Ion Ratio Lower Upper

264 100

260 88.5 18.9 28.3#

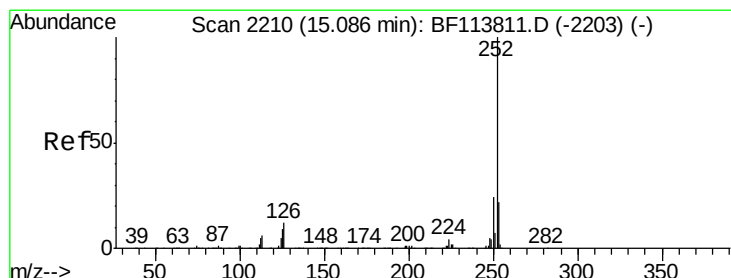
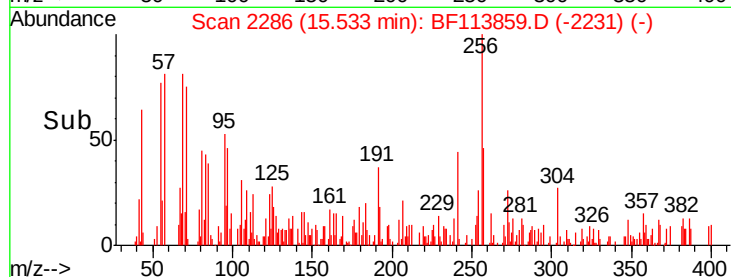
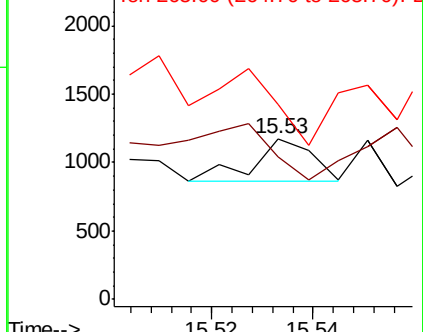
265 121.3 17.3 25.9#



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: 47.737 ng

RT: 15.12 min Scan# 2215

Delta R.T. 0.03 min

Lab File: BF113859.D

Acq: 19 Apr 2019 15:37

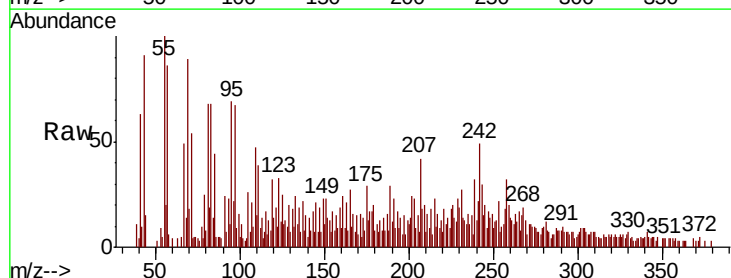
Tgt Ion:252 Resp: 741

Ion Ratio Lower Upper

252 100

253 178.7 17.8 26.6#

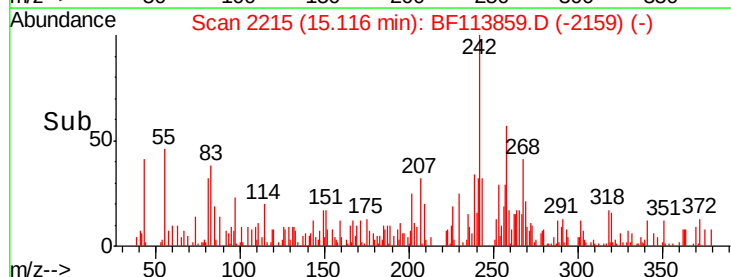
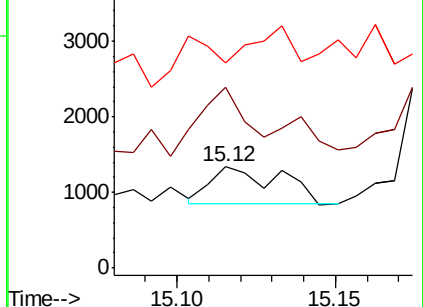
125 203.4 7.0 10.6#

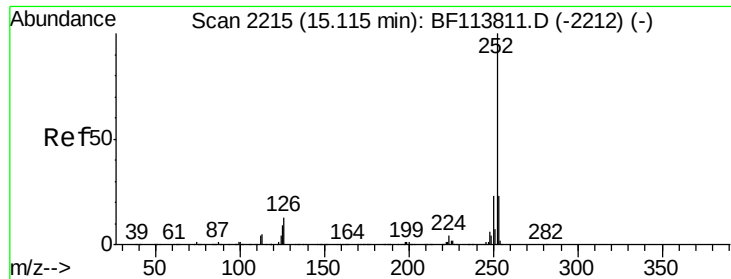


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

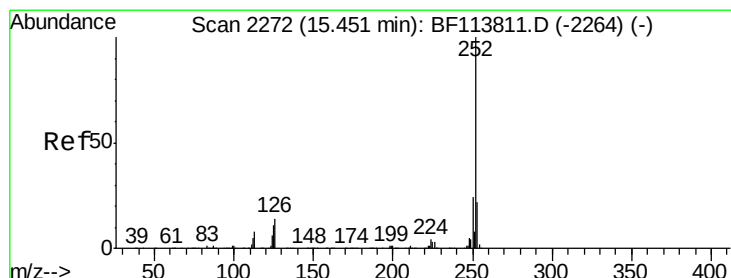
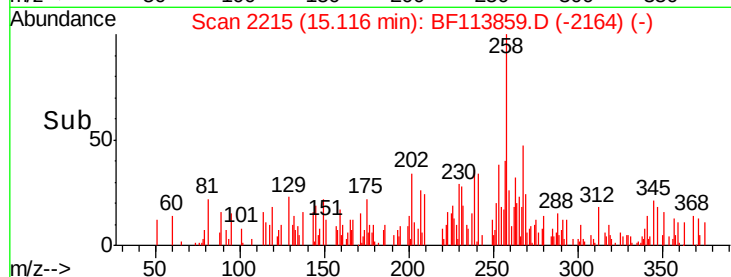
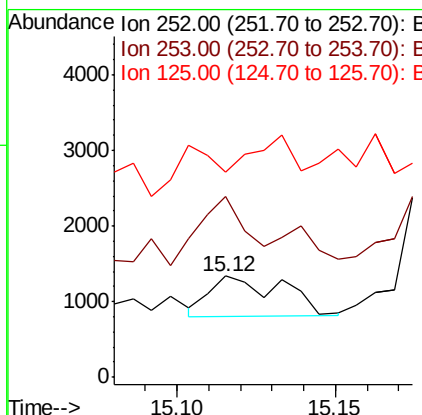
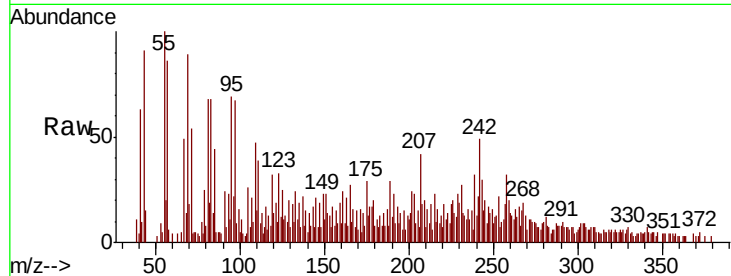




#89
Benzo(k)fluoranthene
Concen: 60.404 ng
RT: 15.12 min Scan# 2215
Delta R.T. 0.00 min
Lab File: BF113859.D
Acq: 19 Apr 2019 15:37

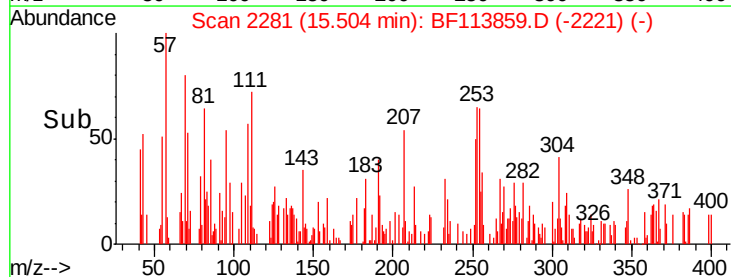
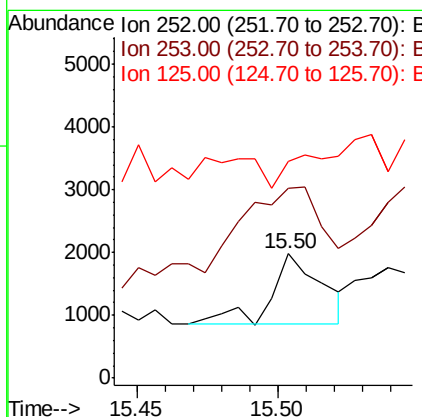
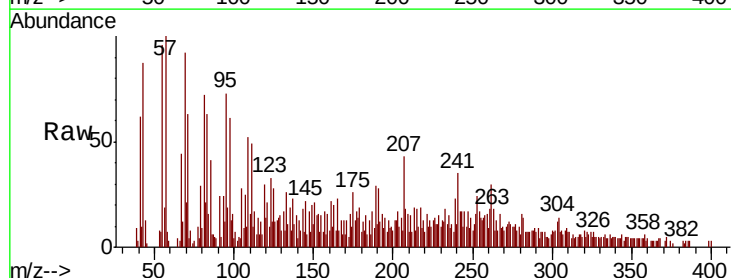
Instrument :
BNA_F
ClientSampleId :
PL-01-041819-D

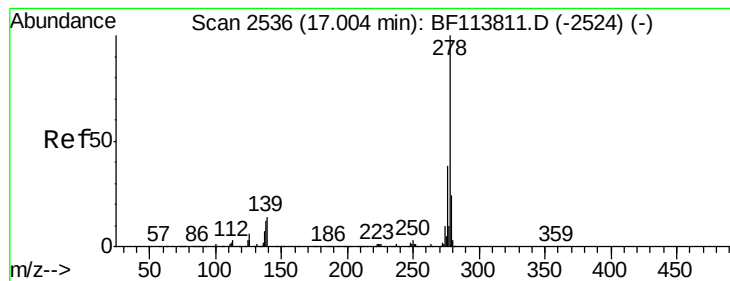
Tgt Ion:252 Resp: 854
Ion Ratio Lower Upper
252 100
253 178.7 18.2 27.2#
125 203.4 7.4 11.2#



#90
Benzo(a)pyrene
Concen: 102.582 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.05 min
Lab File: BF113859.D
Acq: 19 Apr 2019 15:37

Tgt Ion:252 Resp: 1408
Ion Ratio Lower Upper
252 100
253 153.4 17.5 26.3#
125 175.3 8.5 12.7#





#91

Dibenzo(a,h)anthracene

Concen: 276.680 ng

RT: 17.03 min Scan# 2541

Delta R.T. 0.03 min

Lab File: BF113859.D

Acq: 19 Apr 2019 15:37

Instrument :

BNA_F

ClientSampleId :

PL-01-041819-D

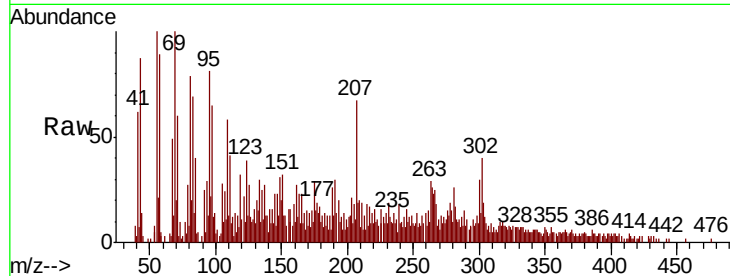
Tgt Ion:278 Resp: 3379

Ion Ratio Lower Upper

278 100

139 69.3 11.6 17.4#

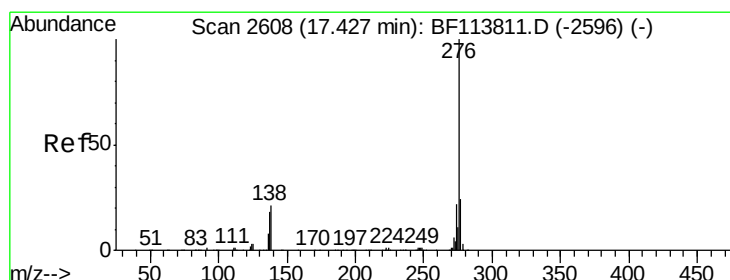
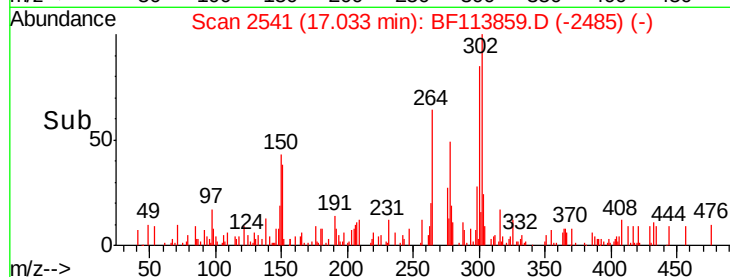
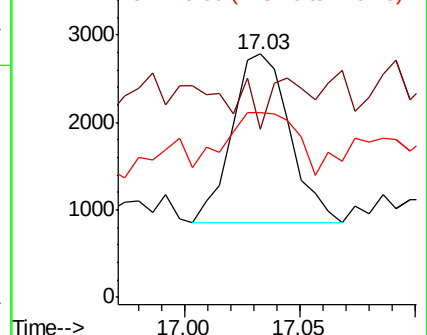
279 76.1 19.0 28.6#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 164.663 ng

RT: 17.44 min Scan# 2611

Delta R.T. 0.02 min

Lab File: BF113859.D

Acq: 19 Apr 2019 15:37

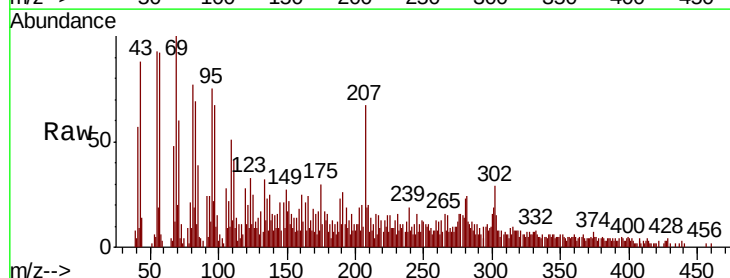
Tgt Ion:276 Resp: 2044

Ion Ratio Lower Upper

276 100

277 96.7 19.0 28.4#

138 80.3 16.6 25.0#



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

