

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
 Data File : BF109919.D
 Acq On : 17 Oct 2018 12:52
 Operator : JU/SJ
 Sample : J5516-06RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 17 17:06:01 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 16 14:58:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	257634	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	985290	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	483219	20.00	ng	0.00
64) Phenanthrene-d10	11.52	188	893740	20.00	ng	0.00
76) Chrysene-d12	14.16	240	486240	20.00	ng	0.00
87) Perylene-d12	15.69	264	542702	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	1351605	83.16	ng	0.00
7) Phenol-d6	6.60	99	1726175	85.53	ng	0.00
23) Nitrobenzene-d5	7.54	82	1056628	72.24	ng	-0.01
42) 2,4,6-Tribromophenol	10.82	330	294823	70.47	ng	0.00
45) 2-Fluorobiphenyl	9.34	172	1861682	61.48	ng	0.00
79) Terphenyl-d14	13.10	244	1675178	72.35	ng	0.00

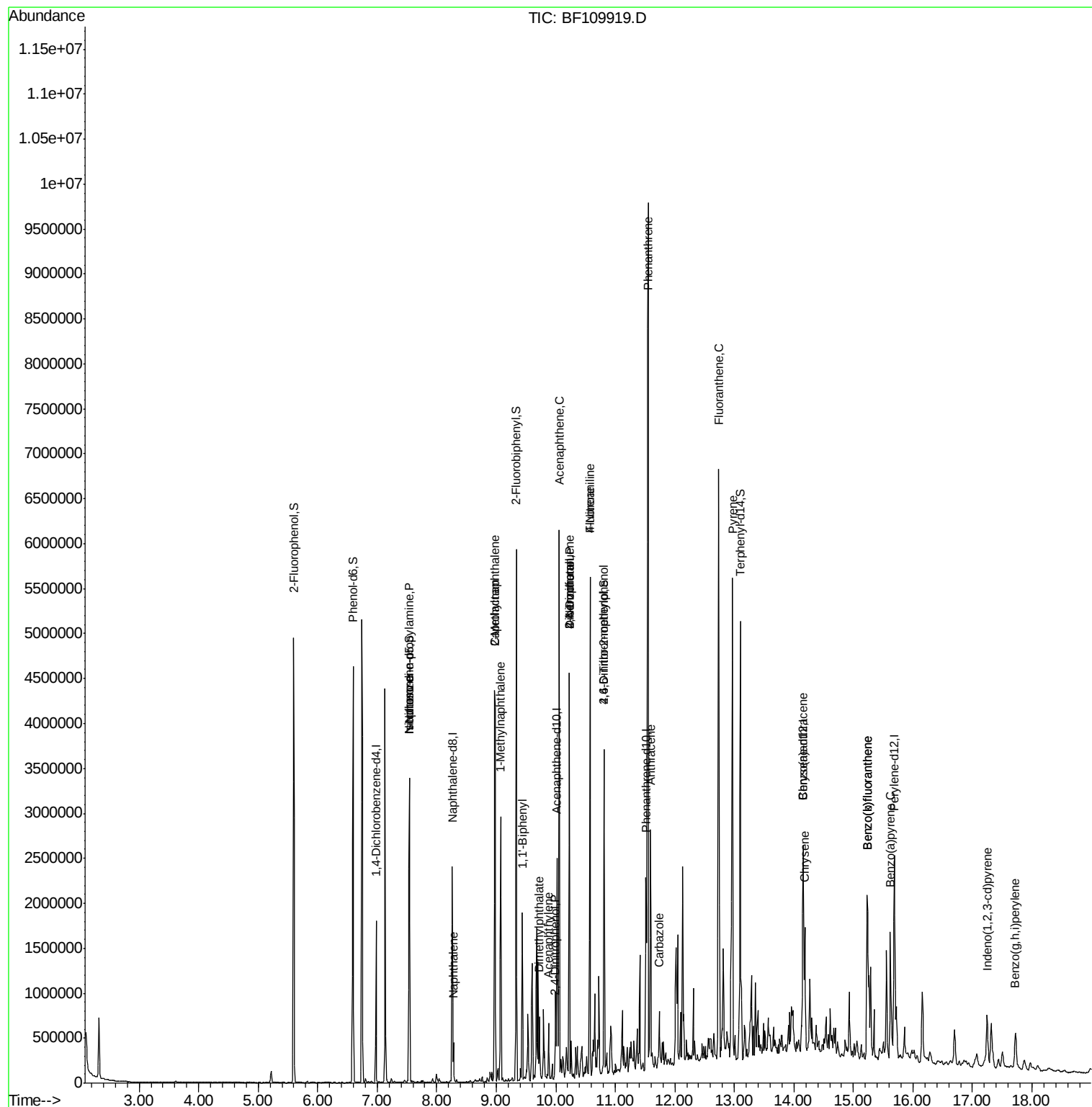
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.54	70	140668	10.855	ng	# 81
25) Isophorone	7.54	82	1056603	36.765	ng	# 67
31) Naphthalene	8.28	128	169127	3.743	ng	98
35) Caprolactam	8.97	113	26674	5.593	ng	# 1
37) 2-Methylnaphthalene	8.97	142	1265314	43.249	ng	98
38) 1-Methylnaphthalene	9.07	142	737256	26.006	ng	98
46) 1,1'-Biphenyl	9.44	154	536618	12.464	ng	100
49) Acenaphthylene	9.88	152	122442	2.658	ng	# 91
50) Dimethylphthalate	9.73	163	211825	6.191	ng	99
52) Acenaphthene	10.06	154	1316064	44.870	ng	99
54) 2,4-Dinitrophenol	9.99	184	309	9.042	ng	# 1
55) Dibenzofuran	10.23	168	1702082	40.691	ng	98
56) 4-Nitrophenol	10.23	139	654904	108.571	ng	# 7
57) 2,4-Dinitrotoluene	10.22	165	3471	4.965	ng	# 1
58) Fluorene	10.57	166	1549818	50.897	ng	99
62) 4-Nitroaniline	10.57	138	17060	2.280	ng	# 20
65) 4,6-Dinitro-2-methylphenol	10.81	198	854	8.125	ng	# 1
71) Phenanthrene	11.55	178	4491906	97.081	ng	93
72) Anthracene	11.59	178	903114	19.414	ng	99
73) Carbazole	11.74	167	186530	4.080	ng	98
75) Fluoranthene	12.74	202	2902048	62.784	ng	97
78) Pyrene	12.97	202	2270704	63.582	ng	98
81) Benzo(a)anthracene	14.15	228	695870	24.296	ng	93
83) Chrysene	14.19	228	609596	22.361	ng	96
86) Indeno(1,2,3-cd)pyrene	17.24	276	388943	17.720	ng	97
88) Benzo(b)fluoranthene	15.23	252	1431024	45.737	ng	# 97
89) Benzo(k)fluoranthene	15.23	252	1431024	46.403	ng	# 96
90) Benzo(a)pyrene	15.62	252	683238	23.743	ng	98
92) Benzo(g,h,i)perylene	17.73	276	326077	12.655	ng	# 93

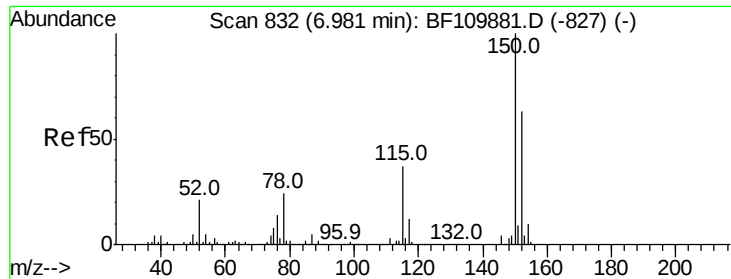
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
BNA_F
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QLast Update : Tue Oct 16 14:58:24 2018
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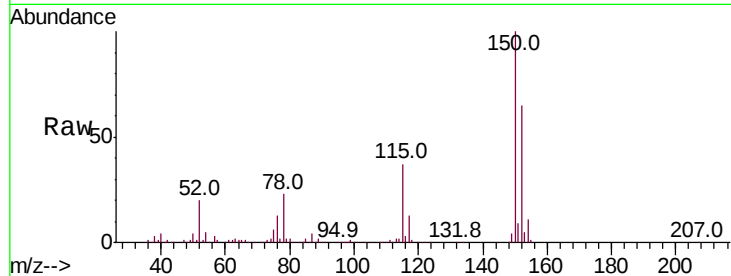


#1

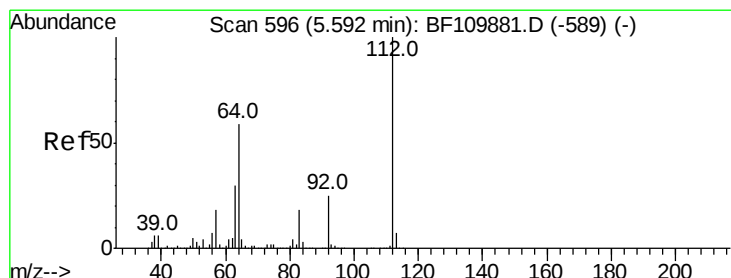
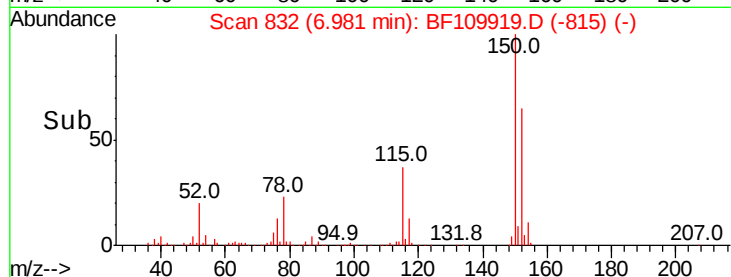
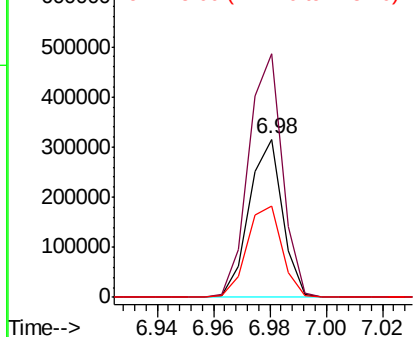
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 832
Delta R.T. -0.00 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 257634
Ion Ratio Lower Upper
152 100
150 154.1 122.7 184.1
115 57.7 49.1 73.7



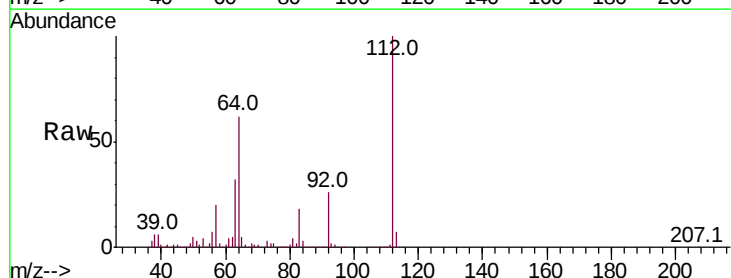
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



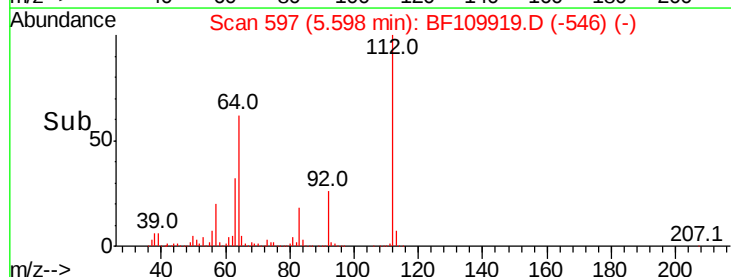
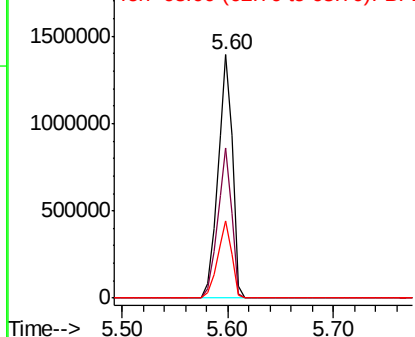
#5

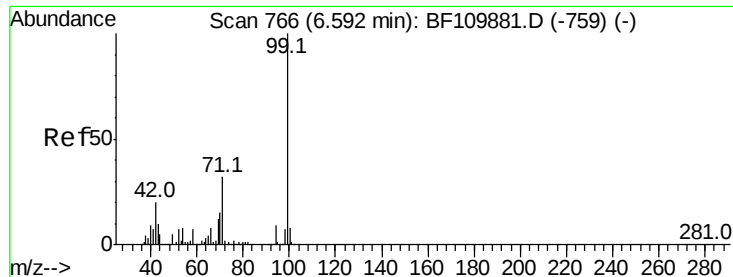
2-Fluorophenol
Concen: 83.160 ng
RT: 5.60 min Scan# 597
Delta R.T. -0.00 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Tgt Ion:112 Resp: 1351605
Ion Ratio Lower Upper
112 100
64 61.8 44.1 66.1
63 31.9 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 85.530 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF109919.D

Acq: 17 Oct 2018 12:52

Instrument :

BNA_F

ClientSampleId :

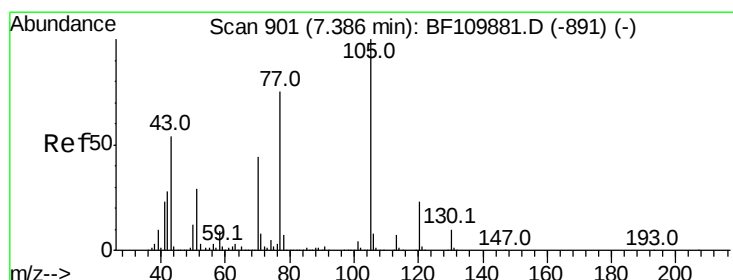
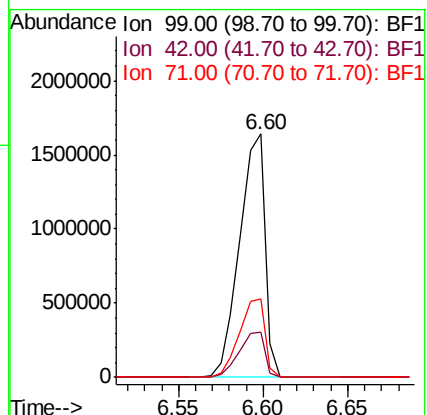
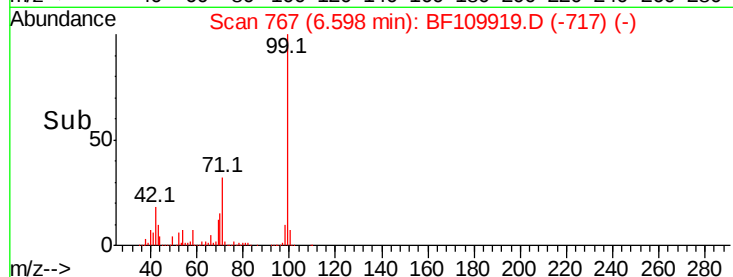
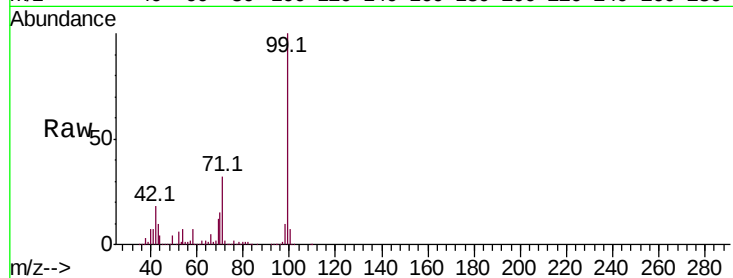
Tot Ion: 99 Resp: 1726175

Ion Ratio Lower Upper

99 100

42 18.3 15.8 23.6

71 32.0 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 10.855 ng

RT: 7.54 min Scan# 927

Delta R.T. 0.15 min

Lab File: BF109919.D

Acq: 17 Oct 2018 12:52

Tgt Ion: 70 Resp: 140668

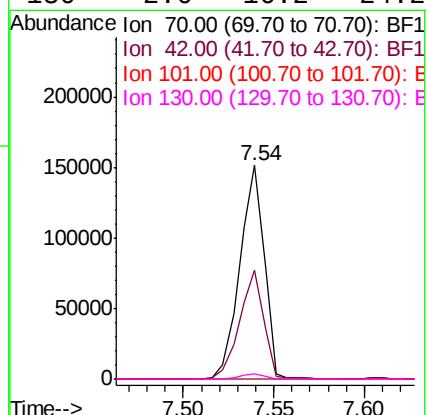
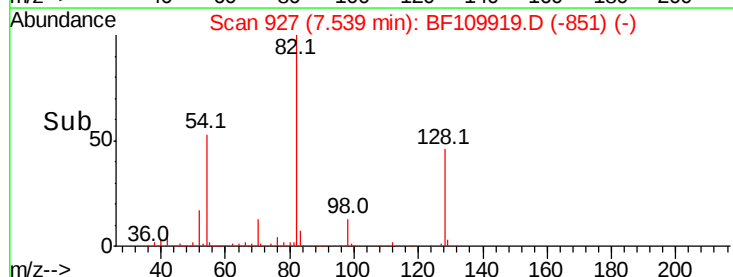
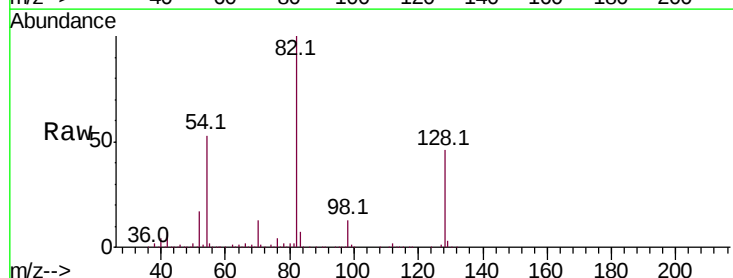
Ion Ratio Lower Upper

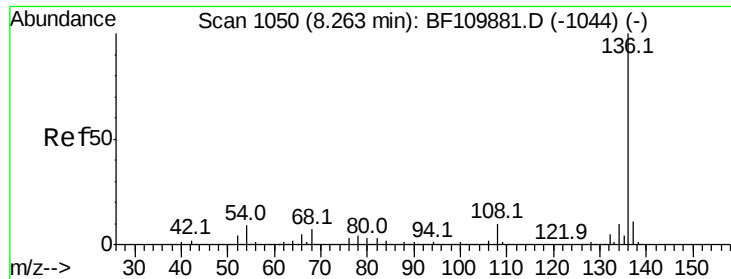
70 100

42 51.1 47.4 71.2

101 0.0 7.3 10.9#

130 2.6 16.2 24.2#

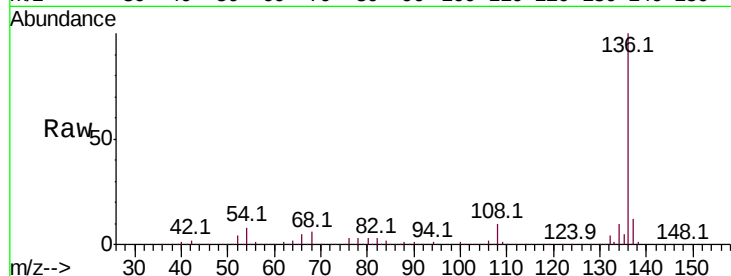




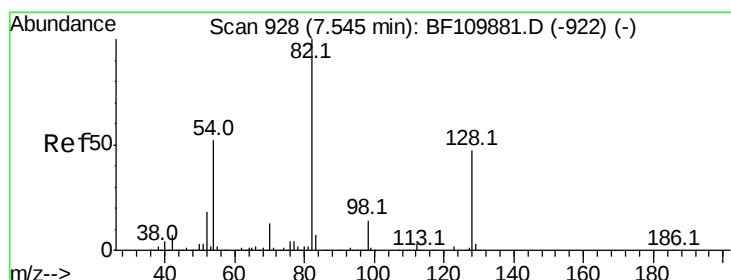
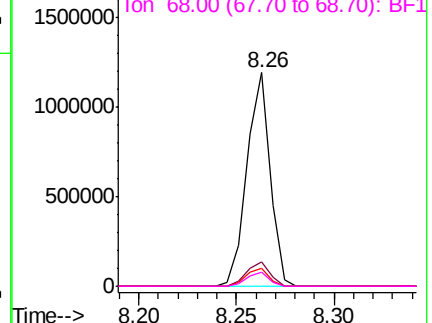
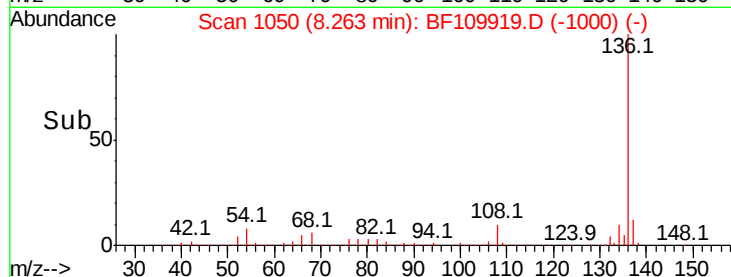
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1050
Delta R.T. -0.01 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	985290
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.8	13.2
54	8.2	5.4	8.2#
68	6.3	4.2	6.2#

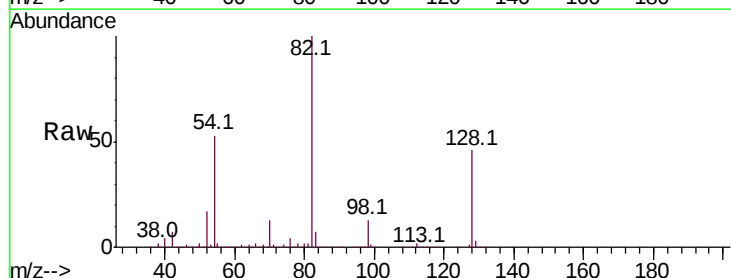


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

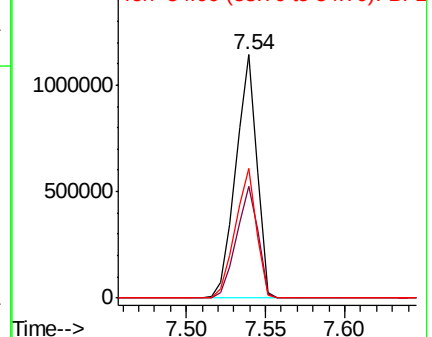
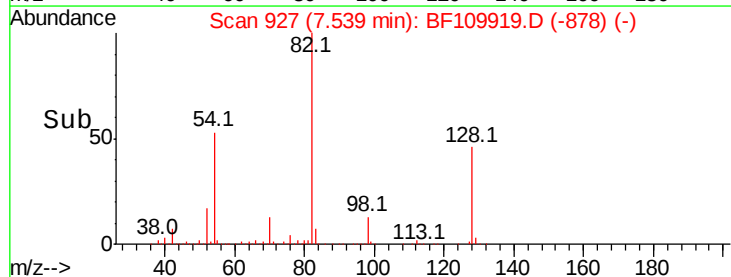


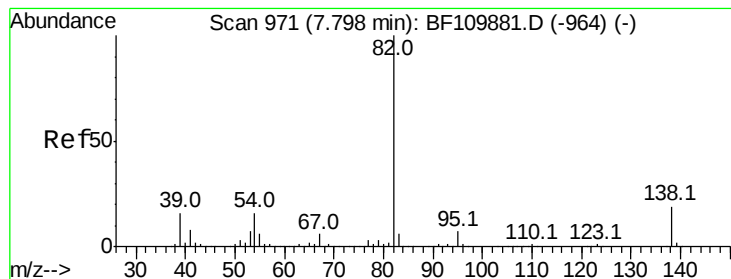
#23
Nitrobenzene-d5
Concen: 72.241 ng
RT: 7.54 min Scan# 927
Delta R.T. -0.01 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Tgt Ion:	82	Resp:	1056628
Ion	Ratio	Lower	Upper
82	100		
128	46.1	34.2	51.2
54	53.3	38.6	58.0



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: 36.765 ng

RT: 7.54 min Scan# 927

Delta R.T. -0.26 min

Lab File: BF109919.D

Acq: 17 Oct 2018 12:52

Instrument :

BNA_F

ClientSampleId :

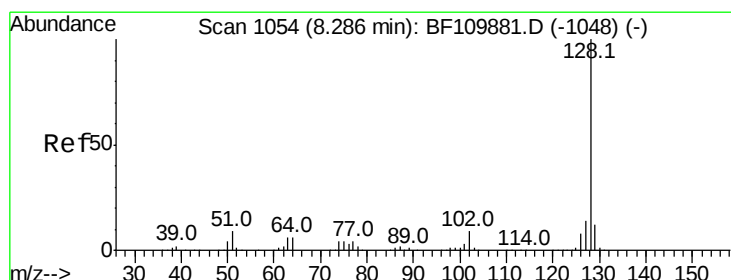
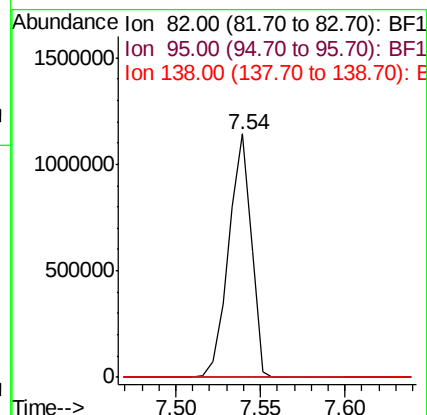
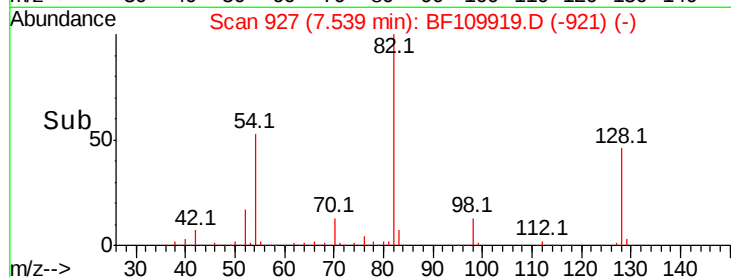
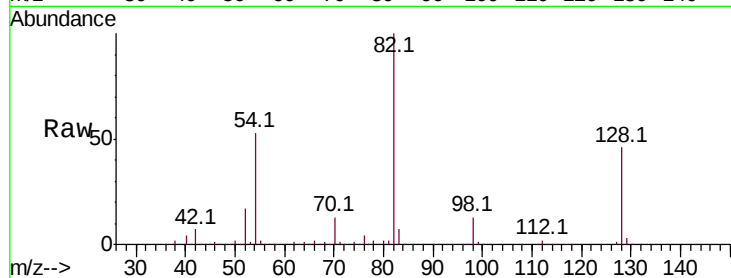
Tot Ion: 82 Resp: 1056603

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 13.2 19.8#



#31

Naphthalene

Concen: 3.743 ng

RT: 8.28 min Scan# 1053

Delta R.T. -0.01 min

Lab File: BF109919.D

Acq: 17 Oct 2018 12:52

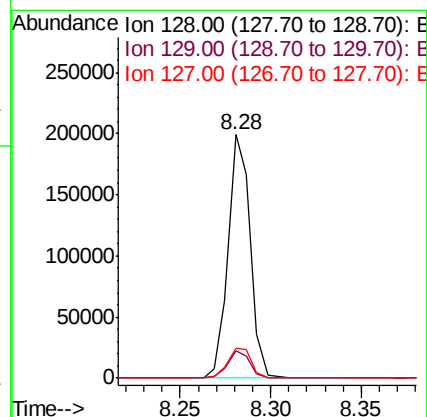
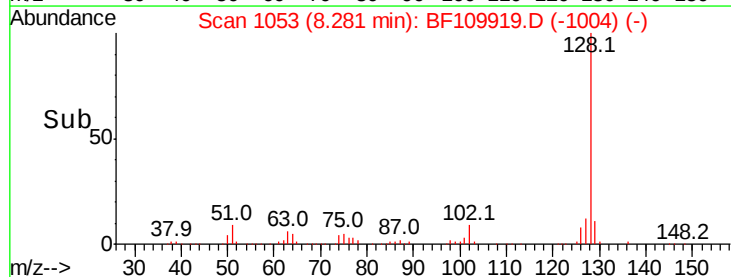
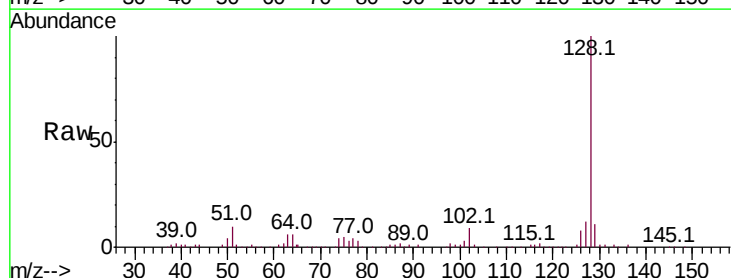
Tgt Ion: 128 Resp: 169127

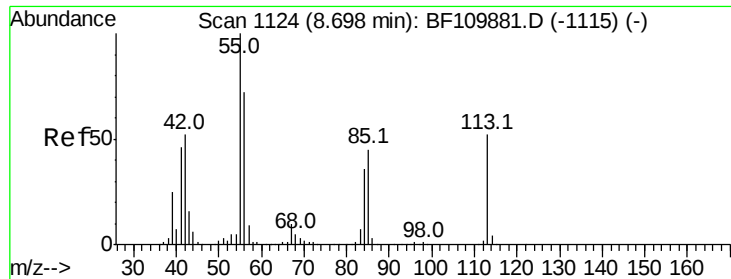
Ion Ratio Lower Upper

128 100

129 11.4 8.8 13.2

127 12.4 10.8 16.2

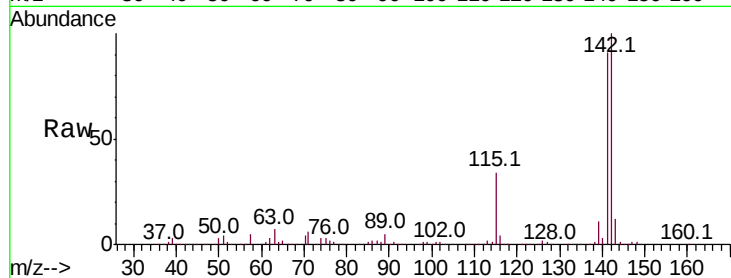




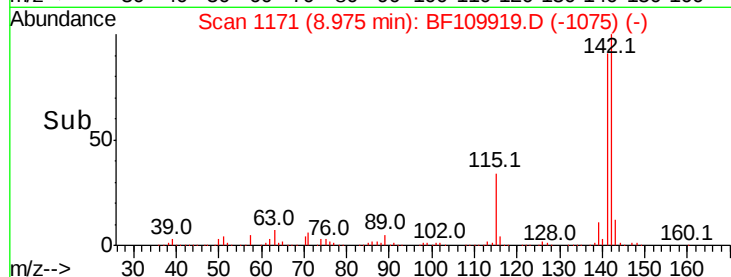
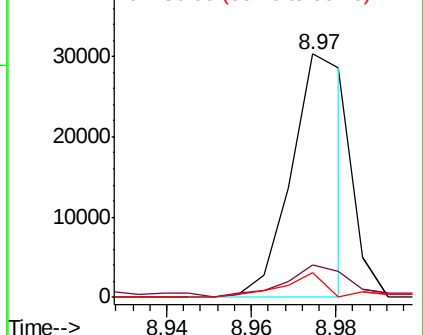
#35
Caprolactam
Concen: 5.593 ng
RT: 8.97 min Scan# 1171
Delta R.T. 0.26 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:113 Resp: 26674
Ion Ratio Lower Upper
113 100
55 13.3 142.8 182.8#
56 10.1 105.0 145.0#

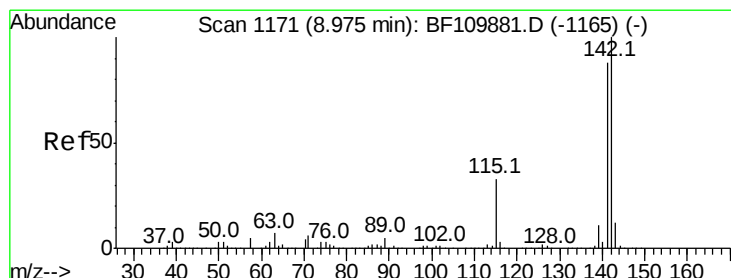


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

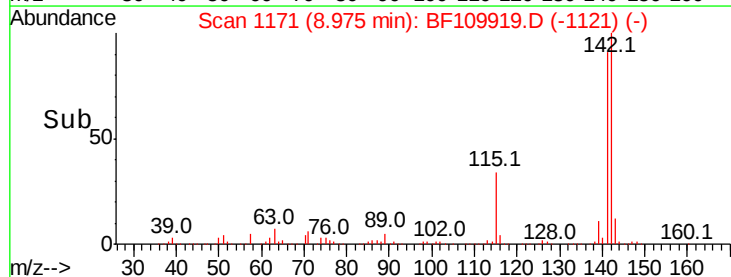
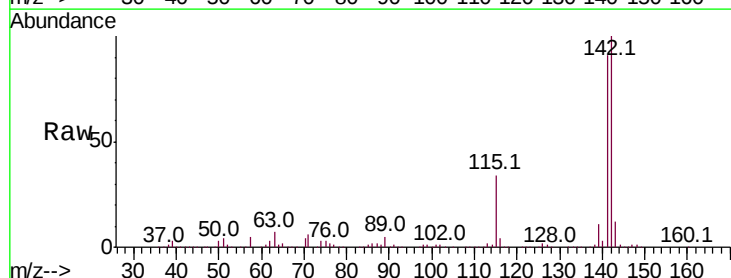
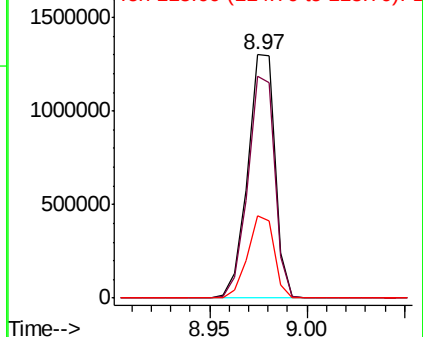


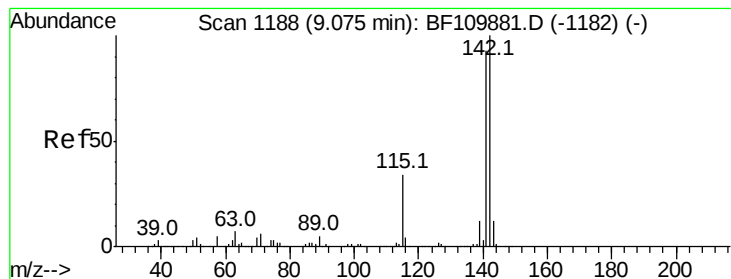
#37
2-Methylnaphthalene
Concen: 43.249 ng
RT: 8.97 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Tgt Ion:142 Resp: 1265314
Ion Ratio Lower Upper
142 100
141 91.0 71.4 107.2
115 34.0 28.7 43.1



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





#38

1-Methylnaphthalene

Concen: 26.006 ng

RT: 9.07 min Scan# 1188

Delta R.T. -0.01 min

Lab File: BF109919.D

Acq: 17 Oct 2018 12:52

Instrument :

BNA_F

ClientSampled :

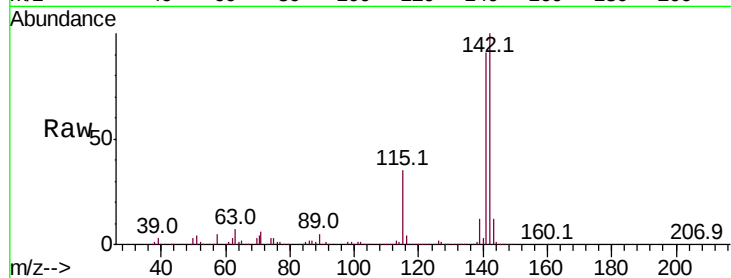
Tot Ion:142 Resp: 737256

Ion Ratio Lower Upper

142 100

141 90.5 74.2 111.4

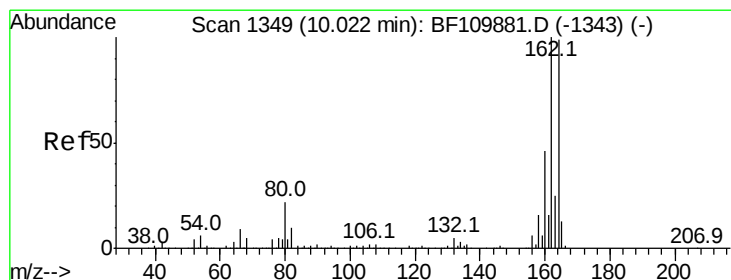
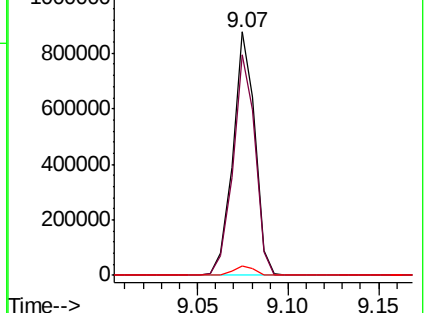
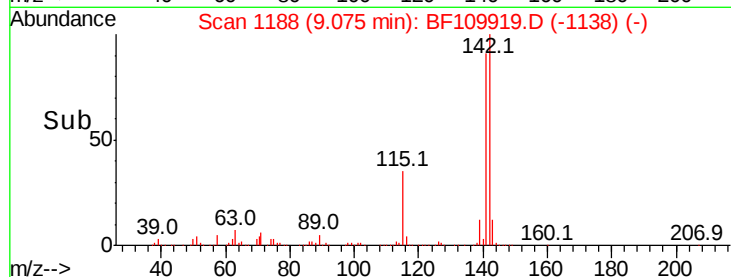
116 3.8 2.6 4.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1349

Delta R.T. -0.01 min

Lab File: BF109919.D

Acq: 17 Oct 2018 12:52

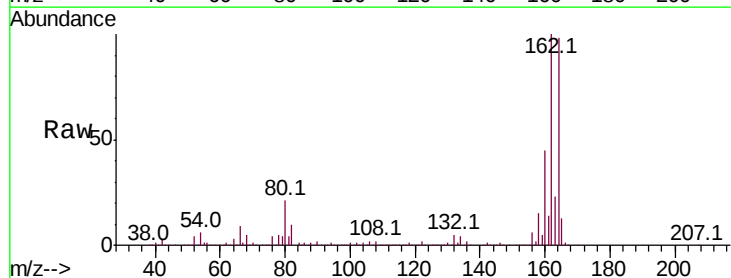
Tgt Ion:164 Resp: 483219

Ion Ratio Lower Upper

164 100

162 102.3 83.0 124.6

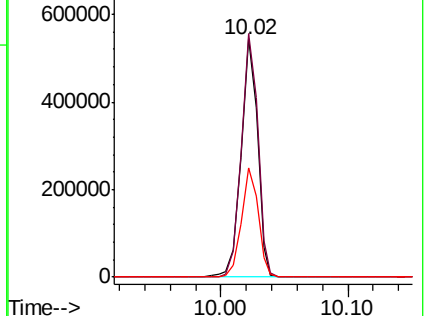
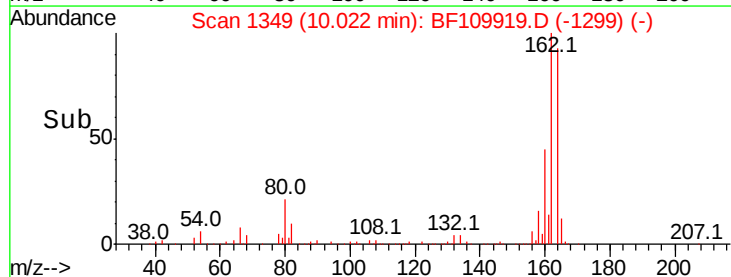
160 46.0 37.0 55.6

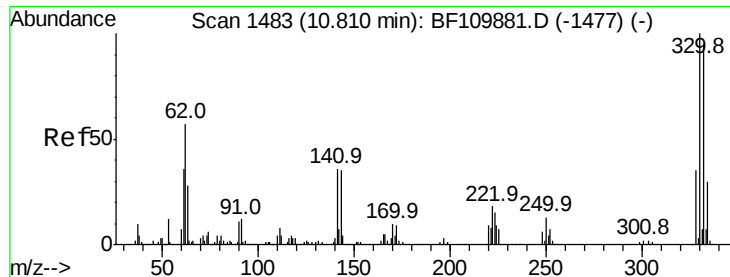


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

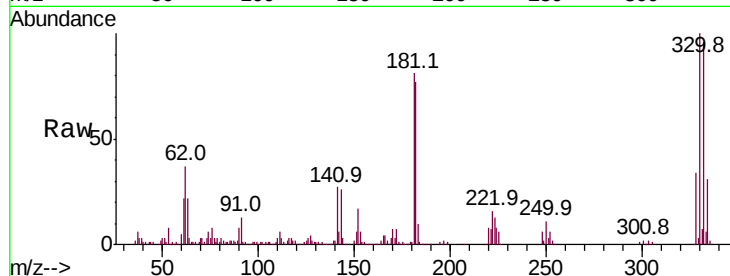




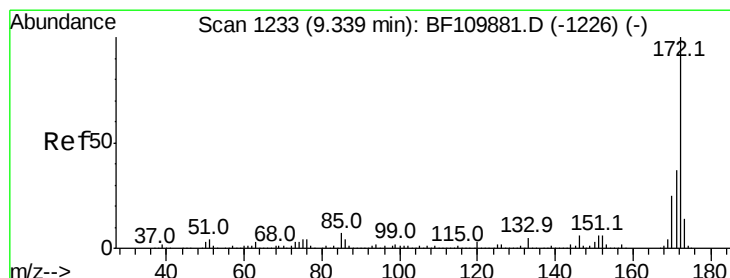
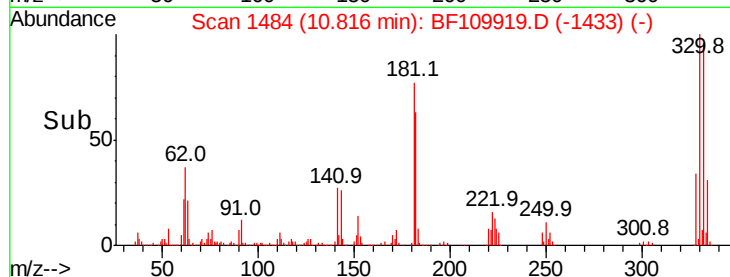
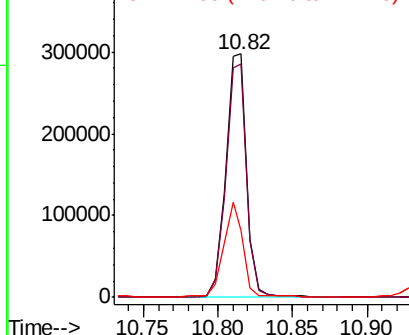
#42
 2,4,6-Tribromophenol
 Concen: 70.471 ng
 RT: 10.82 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: BF109919.D
 Acq: 17 Oct 2018 12:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 294823
 Ion Ratio Lower Upper
 330 100
 332 95.3 77.1 115.7
 141 36.8 27.0 40.4

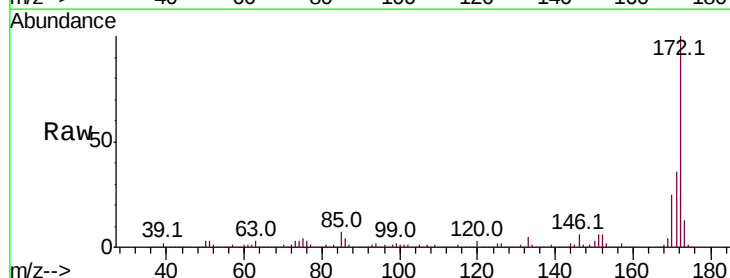


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

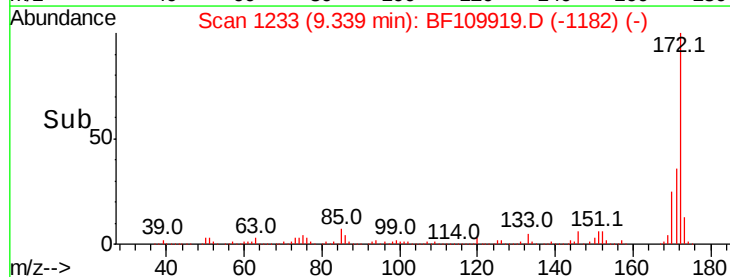
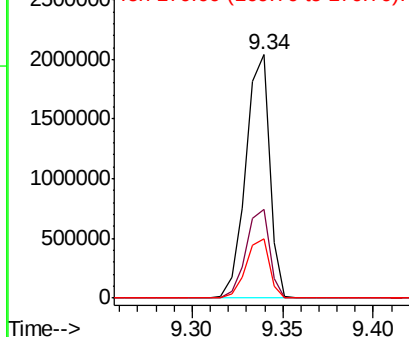


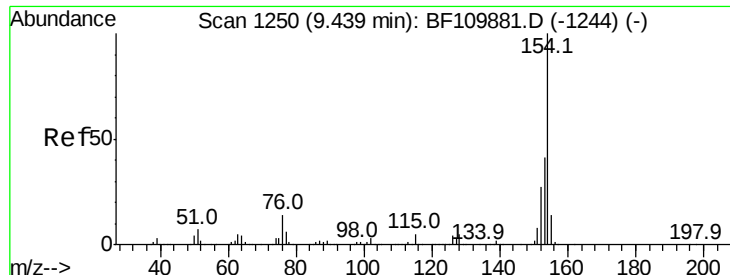
#45
 2-Fluorobiphenyl
 Concen: 61.475 ng
 RT: 9.34 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: BF109919.D
 Acq: 17 Oct 2018 12:52

Tgt Ion:172 Resp: 1861682
 Ion Ratio Lower Upper
 172 100
 171 36.5 28.6 43.0
 170 24.6 19.7 29.5



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

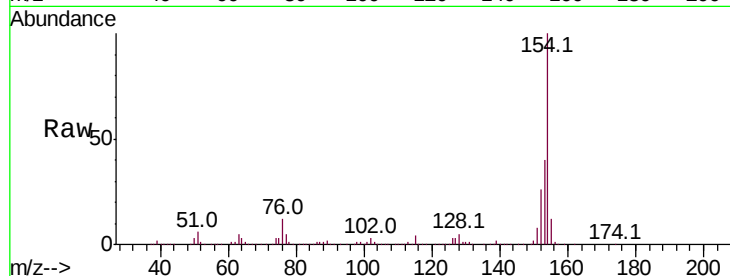




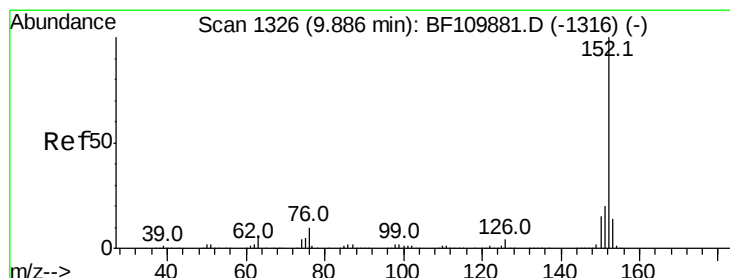
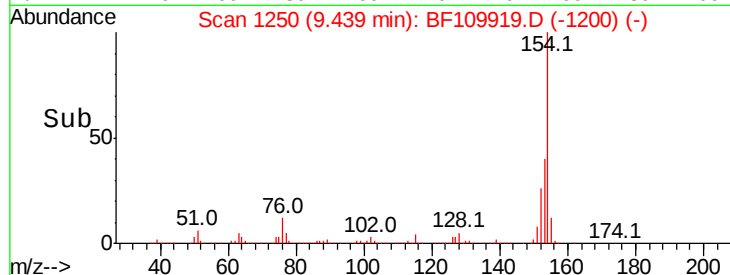
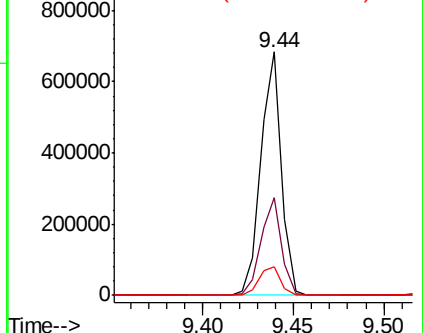
#46
 1,1'-Biphenyl
 Concen: 12.464 ng
 RT: 9.44 min Scan# 1250
 Delta R.T. -0.01 min
 Lab File: BF109919.D
 Acq: 17 Oct 2018 12:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.4	60.4
76	11.9	0.0	31.9

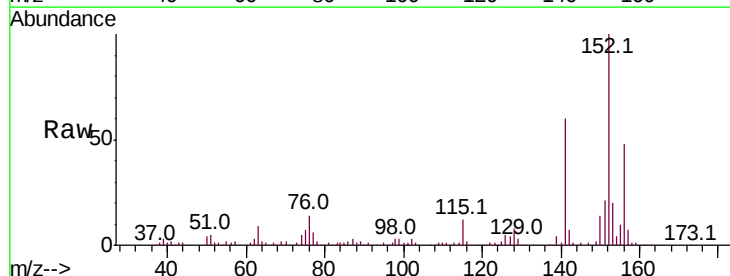


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

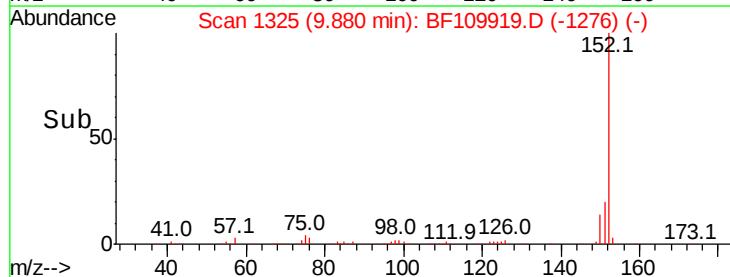
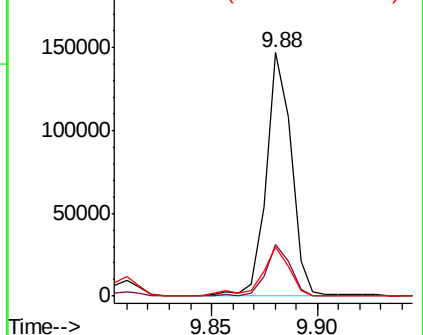


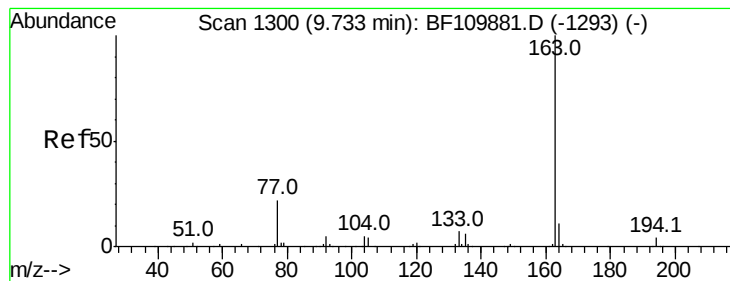
#49
 Acenaphthylene
 Concen: 2.658 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: BF109919.D
 Acq: 17 Oct 2018 12:52

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.2	15.8	23.8
153	20.0	10.4	15.6



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: 6.191 ng

RT: 9.73 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF109919.D

Acq: 17 Oct 2018 12:52

Instrument :

BNA_F

ClientSampleId :

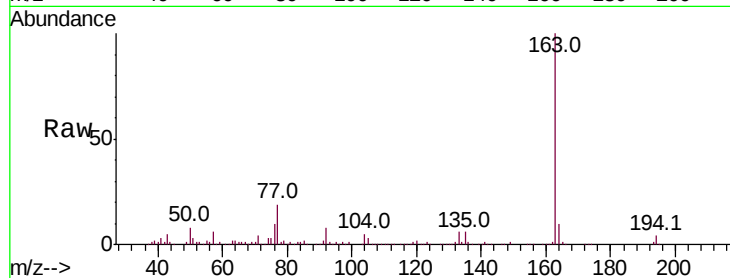
Tot Ion:163 Resp: 211825

Ion Ratio Lower Upper

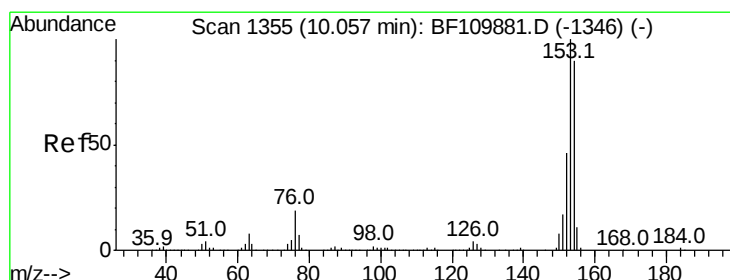
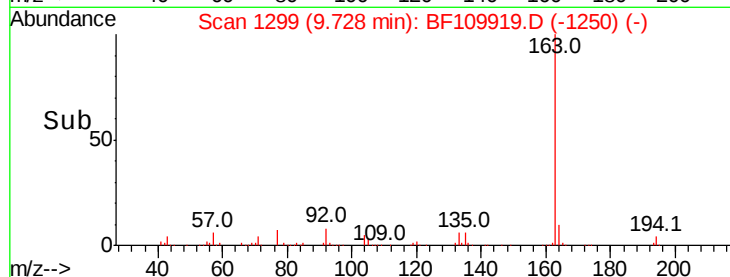
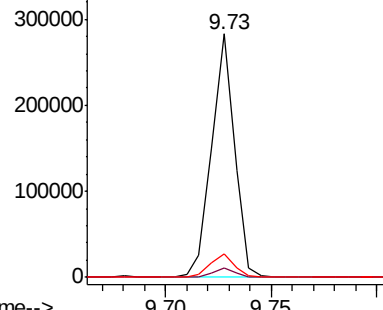
163 100

194 3.7 3.2 4.8

164 9.7 8.1 12.1



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



#52

Acenaphthene

Concen: 44.870 ng

RT: 10.06 min Scan# 1355

Delta R.T. -0.01 min

Lab File: BF109919.D

Acq: 17 Oct 2018 12:52

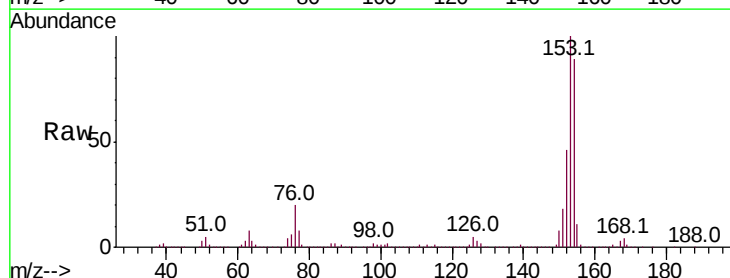
Tgt Ion:154 Resp: 1316064

Ion Ratio Lower Upper

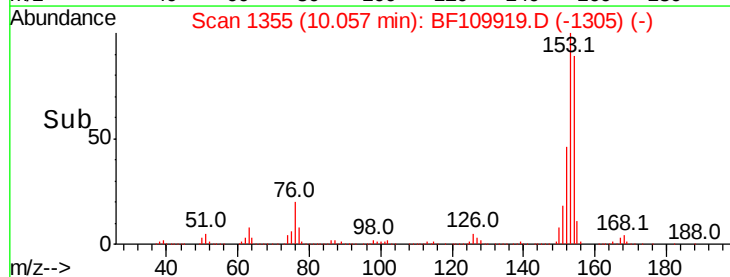
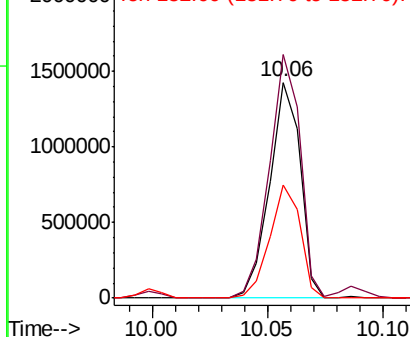
154 100

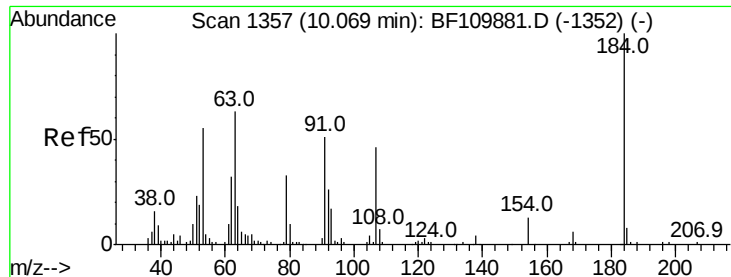
153 112.9 90.1 135.1

152 52.3 43.4 65.2



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

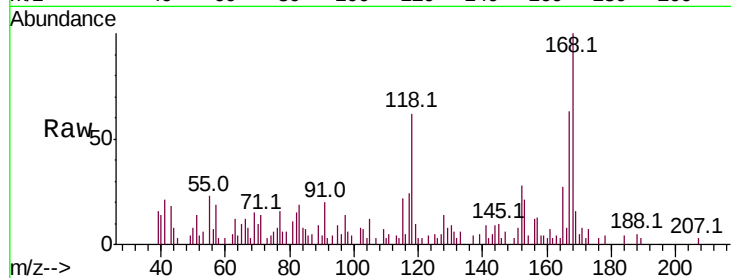




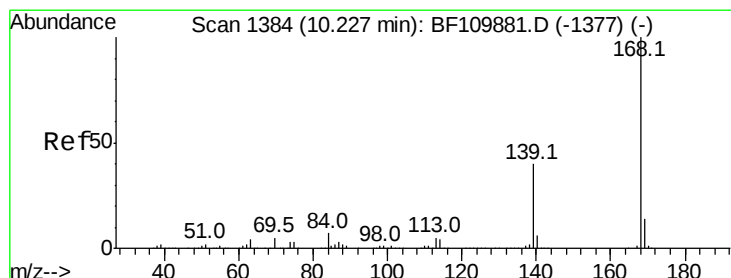
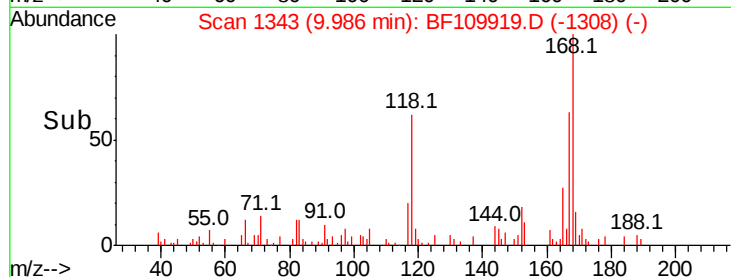
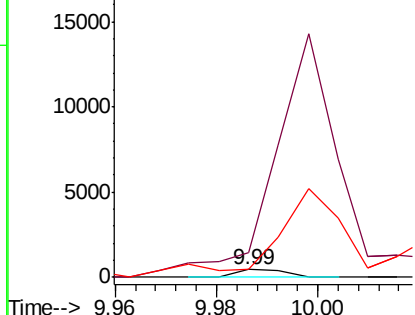
#54
2,4-Dinitrophenol
Concen: 9.042 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.09 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:184 Resp: 309
Ion Ratio Lower Upper
184 100
63 310.2 55.8 83.6#
154 105.2 63.2 94.8#

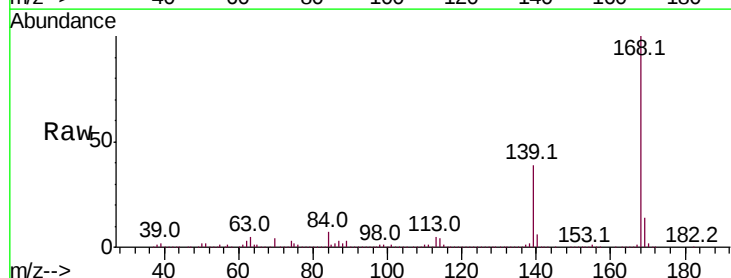


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

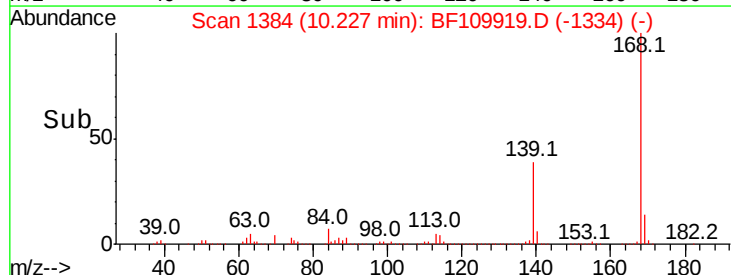
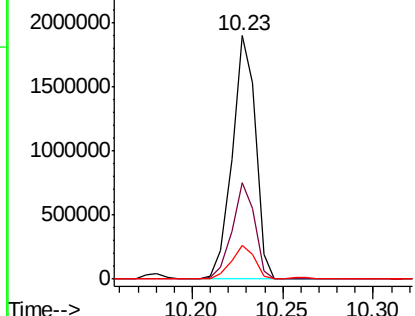


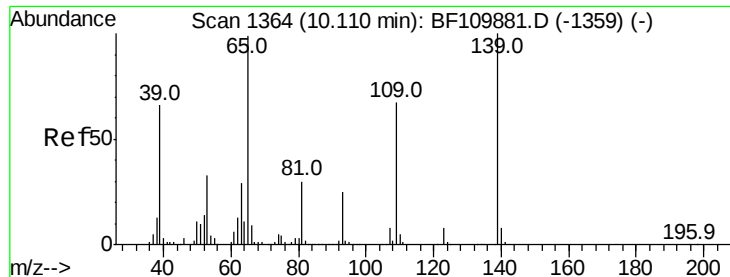
#55
Dibenzofuran
Concen: 40.691 ng
RT: 10.23 min Scan# 1384
Delta R.T. -0.01 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Tgt Ion:168 Resp: 1702082
Ion Ratio Lower Upper
168 100
139 39.4 33.0 49.6
169 14.1 11.3 16.9



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

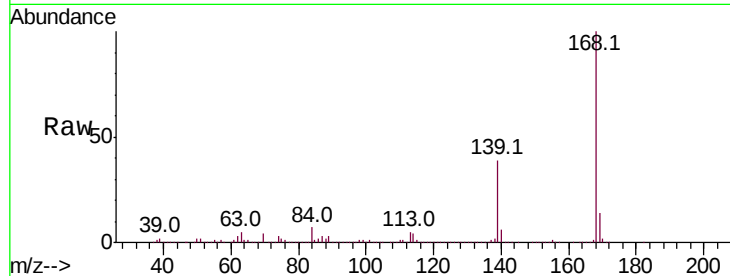




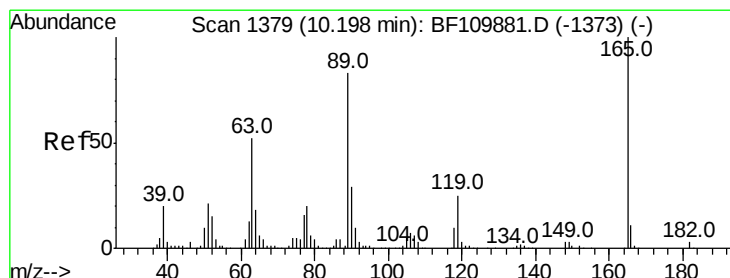
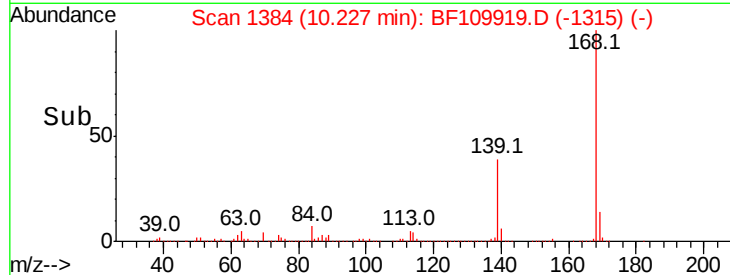
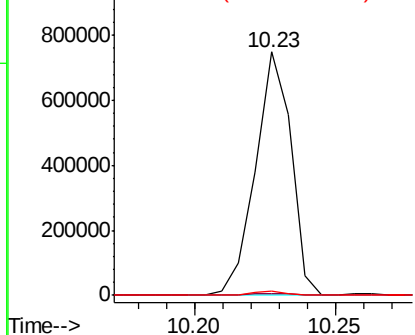
#56
4-Nitrophenol
Concen: 108.571 ng
RT: 10.23 min Scan# 1384
Delta R.T. 0.11 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 654904
Ion Ratio Lower Upper
139 100
109 0.8 55.8 95.8#
65 1.6 77.9 117.9#

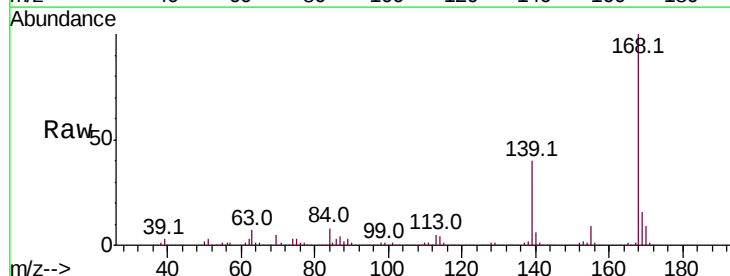


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

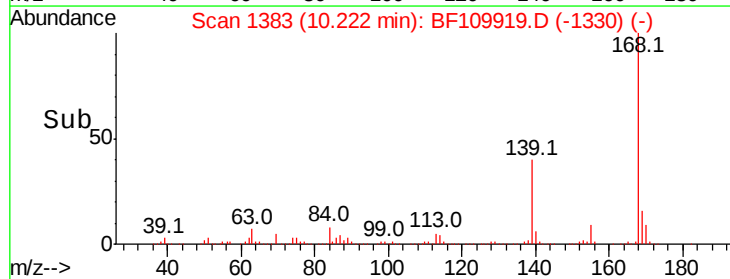
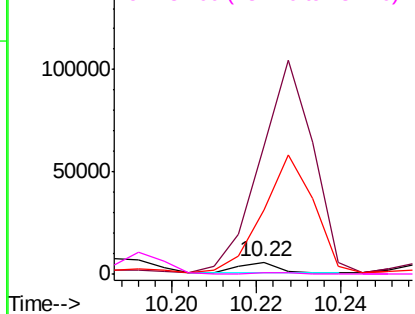


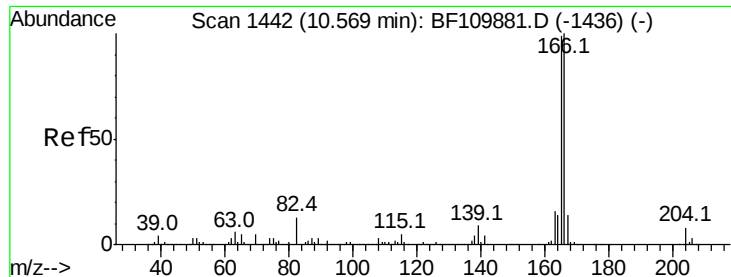
#57
2,4-Dinitrotoluene
Concen: 4.965 ng
RT: 10.22 min Scan# 1383
Delta R.T. 0.01 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Tgt Ion:165 Resp: 3471
Ion Ratio Lower Upper
165 100
63 1093.5 44.8 67.2#
89 553.1 62.2 93.4#
182 7.0 2.1 3.1#



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

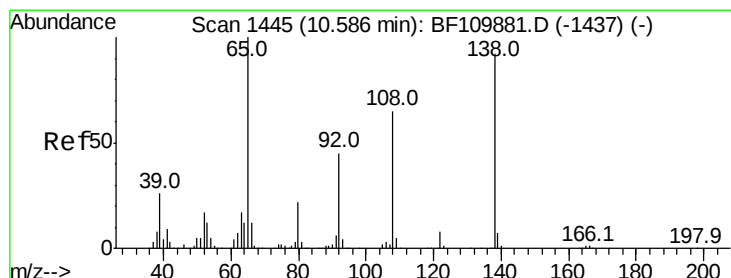
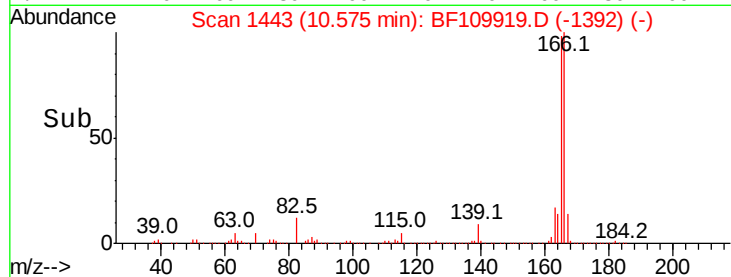
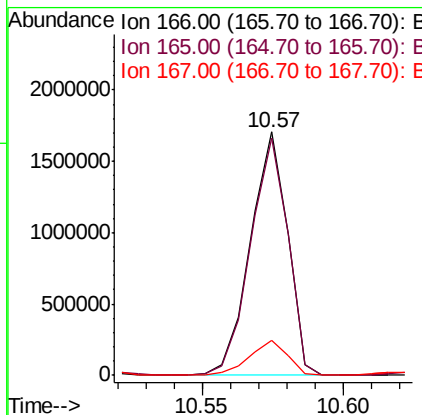
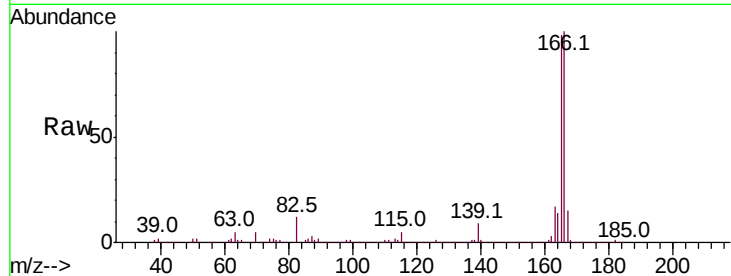




#58
 Fluorene
 Concen: 50.897 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: BF109919.D
 Acq: 17 Oct 2018 12:52

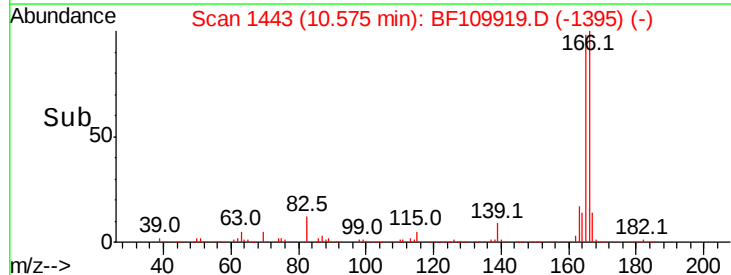
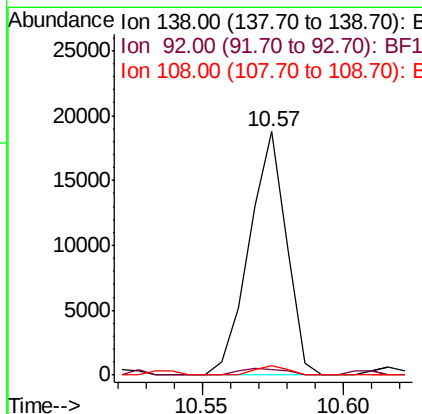
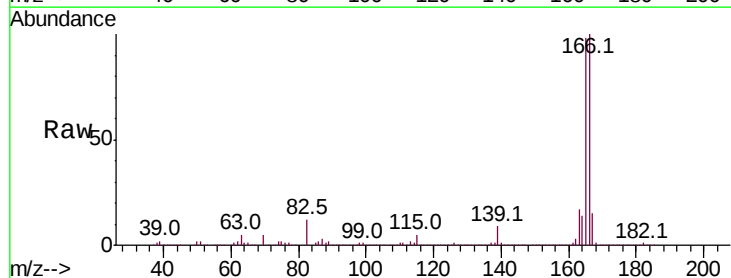
Instrument :
 BNA_F
 ClientSampleId :

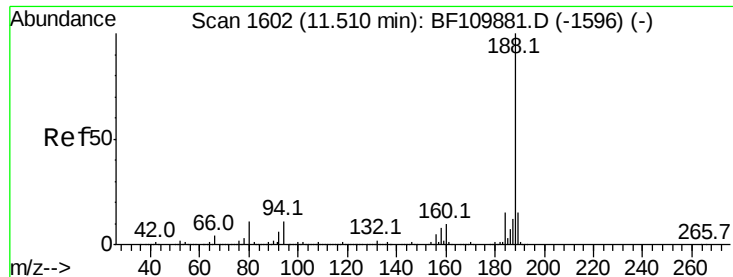
Tot Ion:166 Resp: 1549818
 Ion Ratio Lower Upper
 166 100
 165 97.7 78.6 117.8
 167 14.5 10.8 16.2



#62
 4-Nitroaniline
 Concen: 2.280 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. -0.02 min
 Lab File: BF109919.D
 Acq: 17 Oct 2018 12:52

Tgt Ion:138 Resp: 17060
 Ion Ratio Lower Upper
 138 100
 92 2.4 31.7 71.7#
 108 4.0 59.3 99.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.52 min Scan# 1603

Delta R.T. -0.00 min

Lab File: BF109919.D

Acq: 17 Oct 2018 12:52

Instrument :

BNA_F

ClientSampleId :

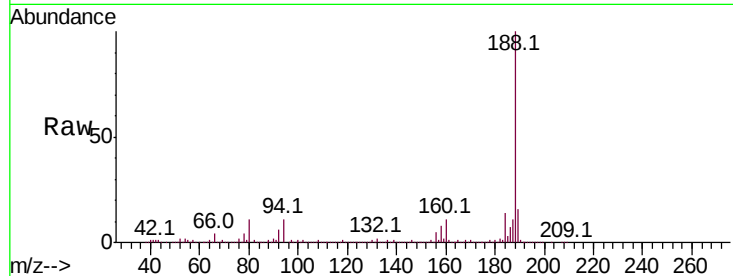
Tot Ion:188 Resp: 893740

Ion Ratio Lower Upper

188 100

94 10.8 7.2 10.8#

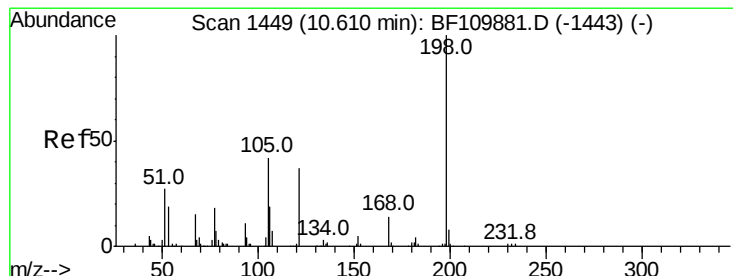
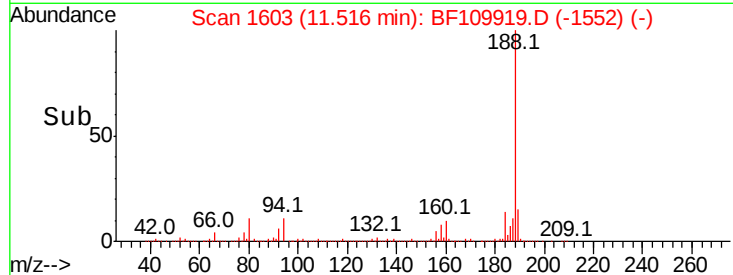
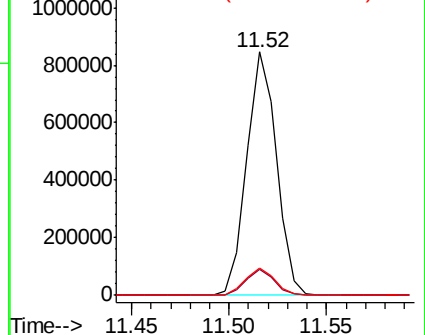
80 11.2 7.9 11.9



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: 8.125 ng

RT: 10.81 min Scan# 1483

Delta R.T. 0.19 min

Lab File: BF109919.D

Acq: 17 Oct 2018 12:52

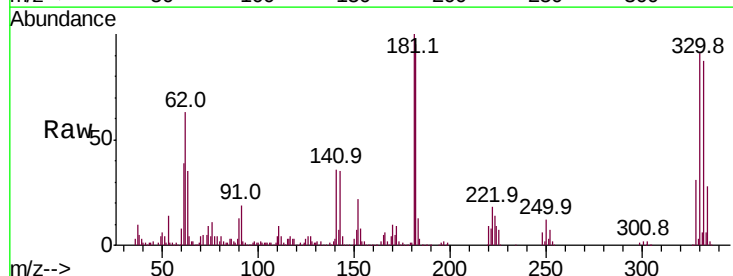
Tgt Ion:198 Resp: 854

Ion Ratio Lower Upper

198 100

51 1442.3 22.8 62.8#

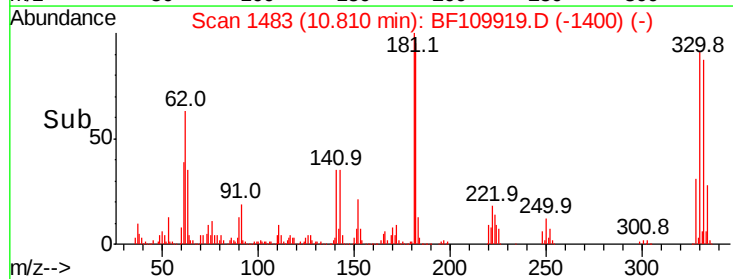
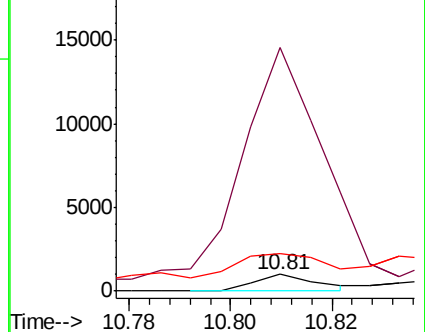
105 221.5 23.6 63.6#

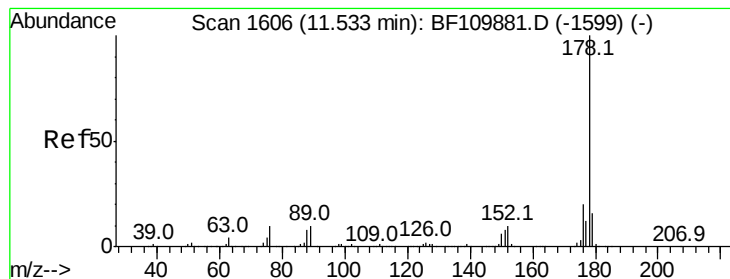


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#71

Phenanthrene

Concen: 97.081 ng

RT: 11.55 min Scan# 1609

Delta R.T. 0.01 min

Lab File: BF109919.D

Acq: 17 Oct 2018 12:52

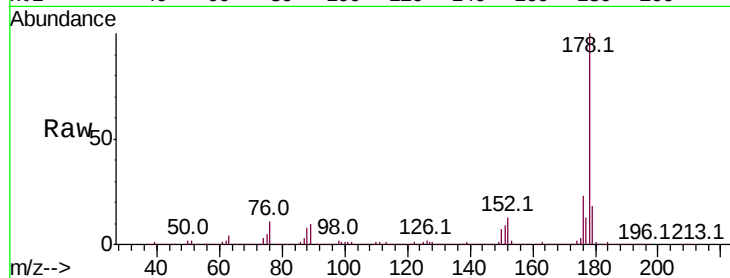
Instrument :

BNA_F

ClientSampled :

Tot Ion:178 Resp: 4491906

Ion	Ratio	Lower	Upper
178	100		
176	23.0	15.5	23.3
179	18.5	12.5	18.7

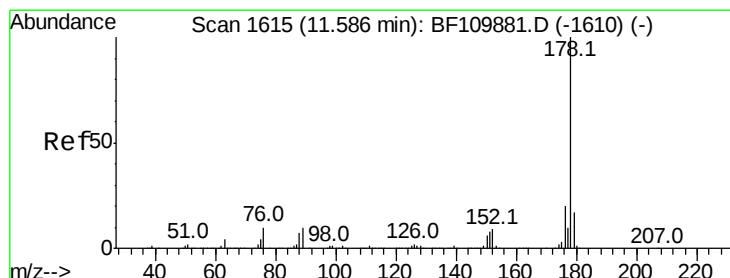
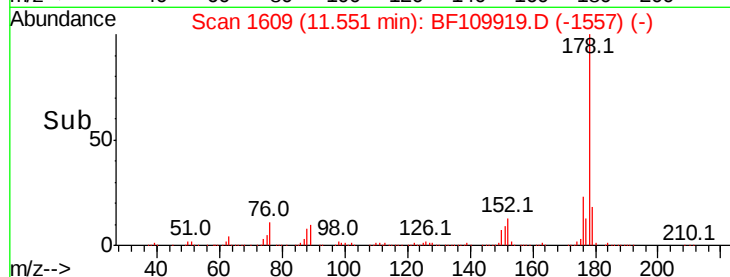
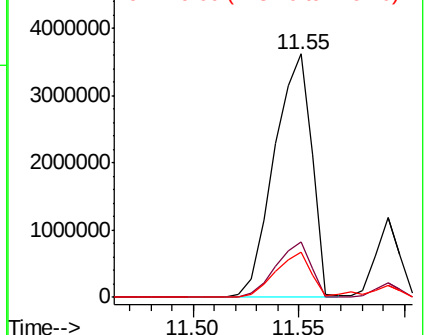


Abundance

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: 19.414 ng

RT: 11.59 min Scan# 1616

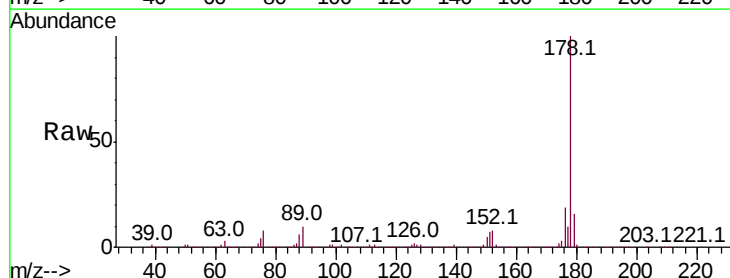
Delta R.T. -0.01 min

Lab File: BF109919.D

Acq: 17 Oct 2018 12:52

Tgt Ion:178 Resp: 903114

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	15.7	12.6	18.8

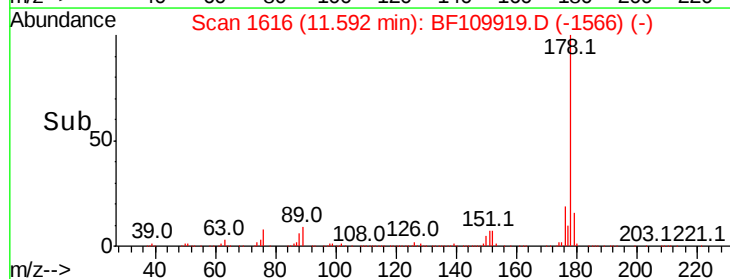
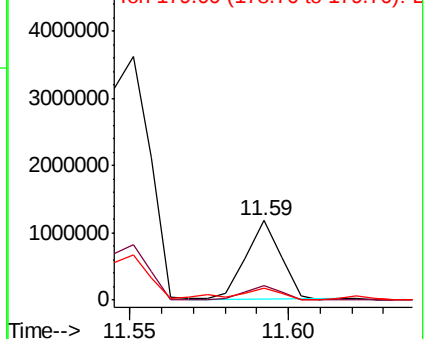


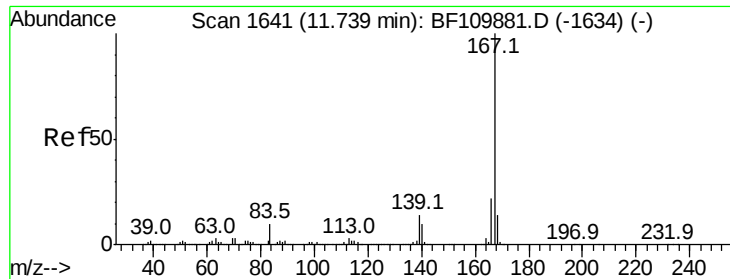
Abundance

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

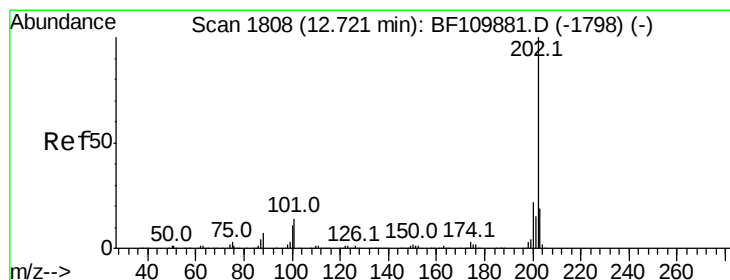
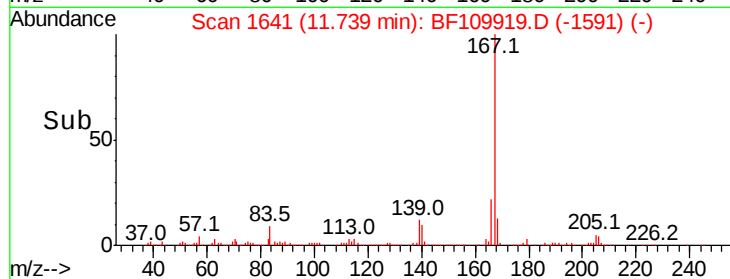
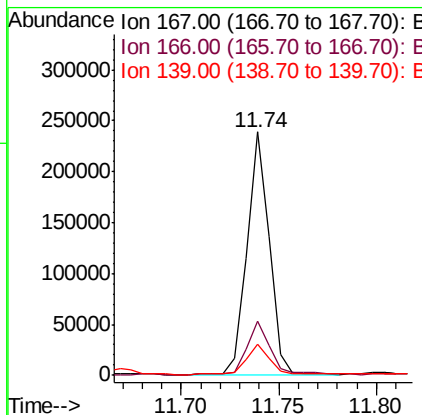
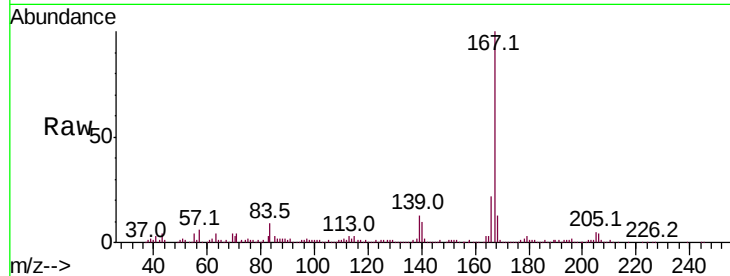




#73
 Carbazole
 Concen: 4.080 ng
 RT: 11.74 min Scan# 1641
 Delta R.T. -0.01 min
 Lab File: BF109919.D
 Acq: 17 Oct 2018 12:52

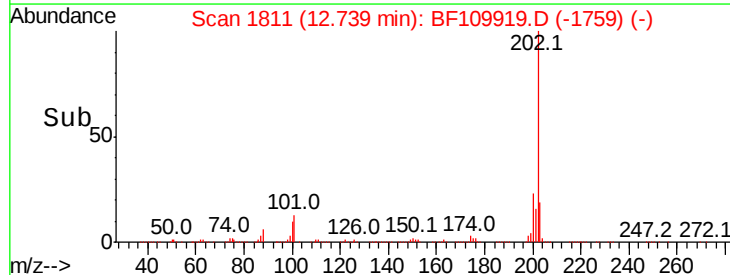
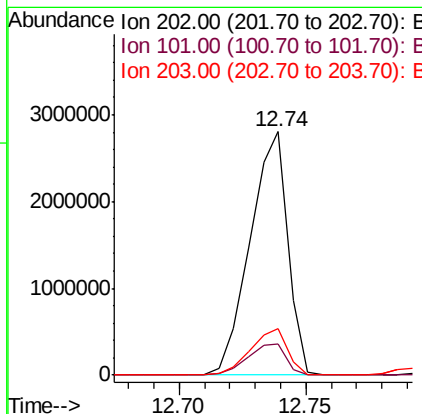
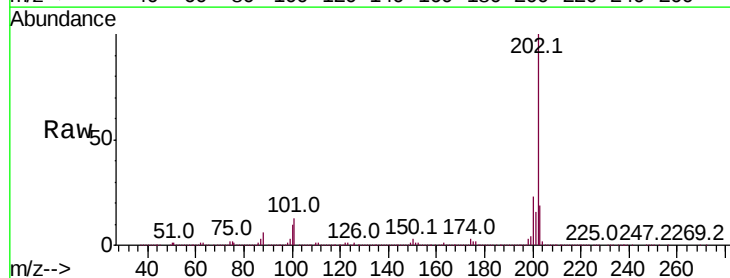
Instrument :
 BNA_F
 ClientSampleId :

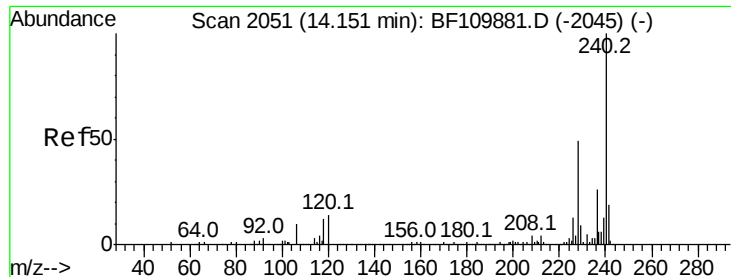
Tot Ion:167 Resp: 186530
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.4 26.0
 139 12.8 10.9 16.3



#75
 Fluoranthene
 Concen: 62.784 ng
 RT: 12.74 min Scan# 1811
 Delta R.T. 0.01 min
 Lab File: BF109919.D
 Acq: 17 Oct 2018 12:52

Tgt Ion:202 Resp: 2902048
 Ion Ratio Lower Upper
 202 100
 101 12.7 0.0 31.4
 203 19.2 0.0 37.7

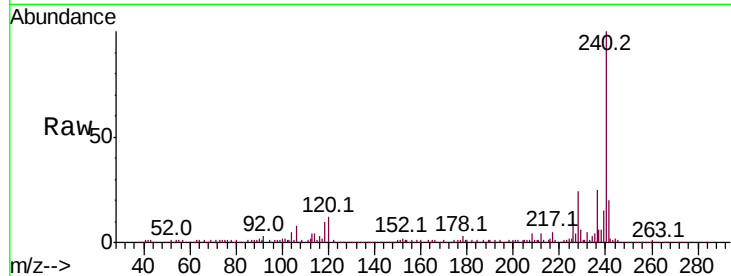




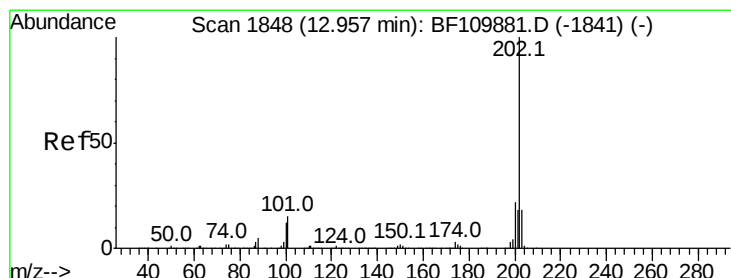
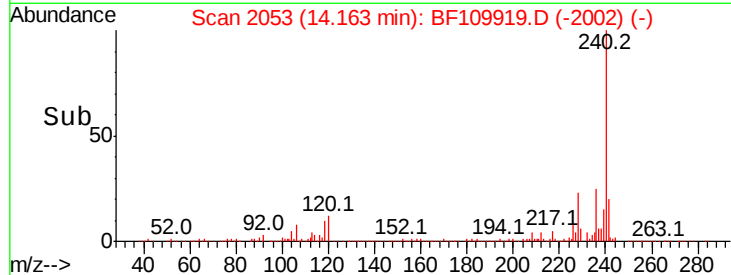
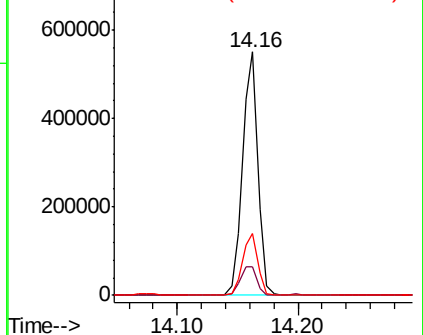
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2053
Delta R.T. -0.00 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 486240
Ion Ratio Lower Upper
240 100
120 11.7 8.3 12.5
236 25.4 21.2 31.8

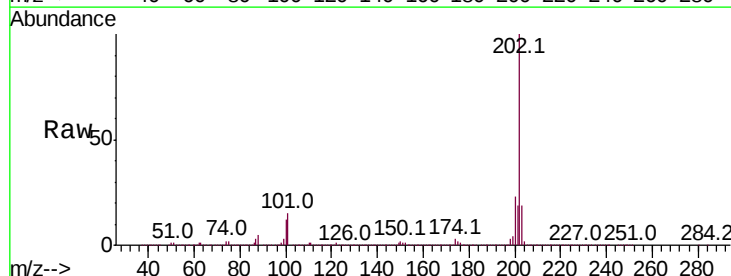


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

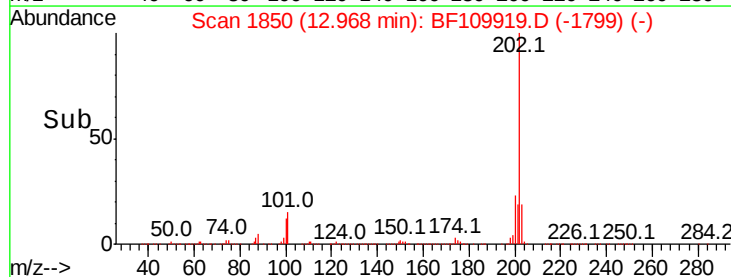
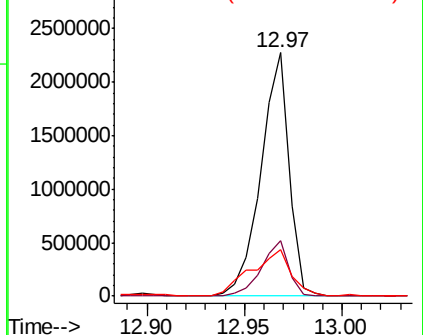


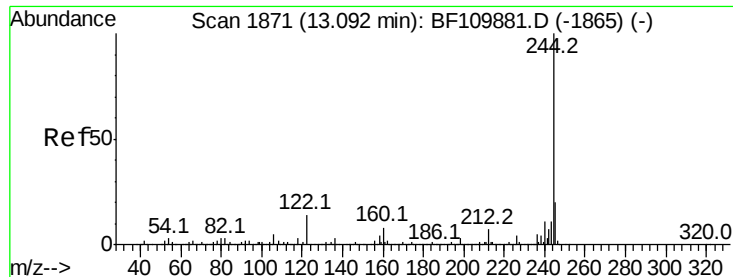
#78
Pyrene
Concen: 63.582 ng
RT: 12.97 min Scan# 1850
Delta R.T. -0.00 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Tgt Ion:202 Resp: 2270704
Ion Ratio Lower Upper
202 100
200 22.8 17.8 26.6
203 19.3 14.2 21.4



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



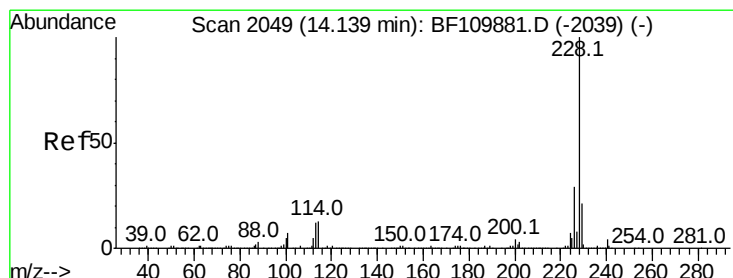
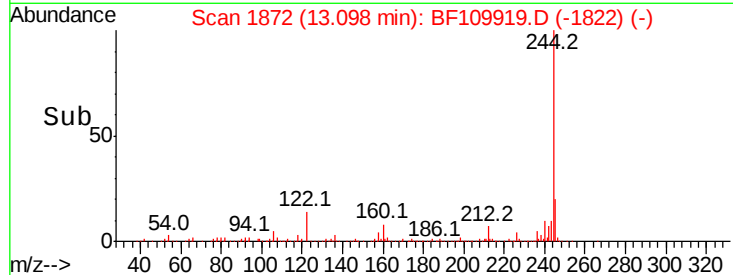
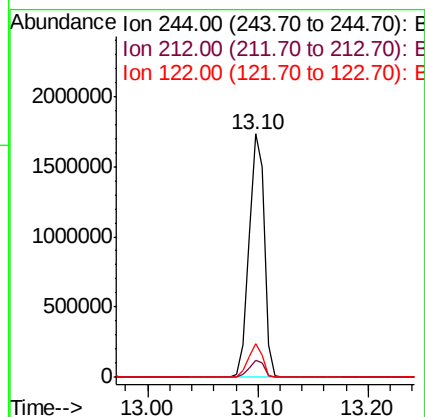
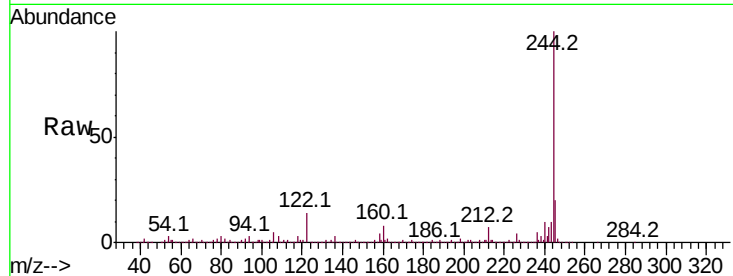


#79
 Terphenyl-d14
 Concen: 72.346 ng
 RT: 13.10 min Scan# 1872
 Delta R.T. -0.01 min
 Lab File: BF109919.D
 Acq: 17 Oct 2018 12:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1675178

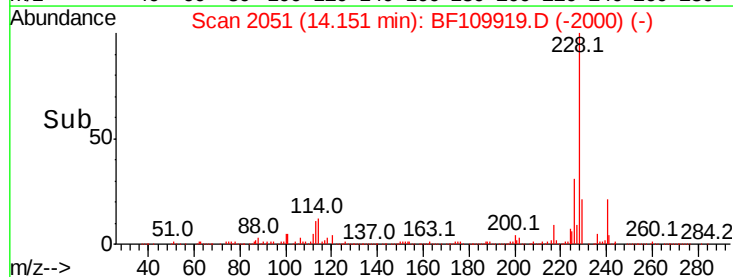
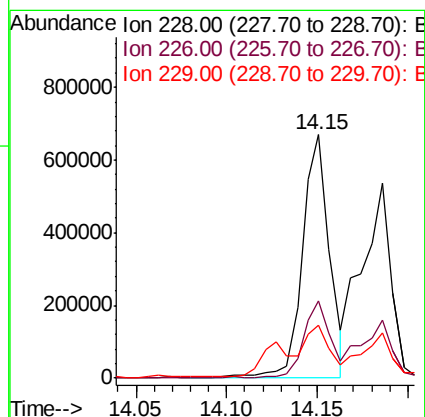
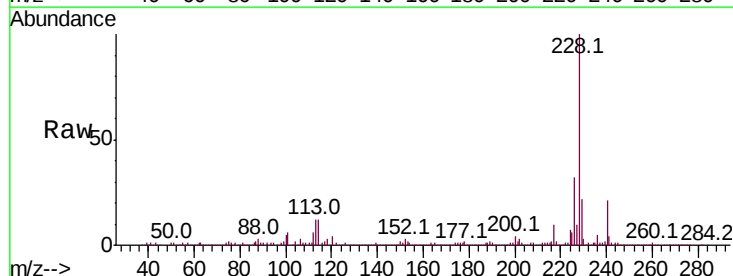
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.8
122	13.6	8.7	13.1#

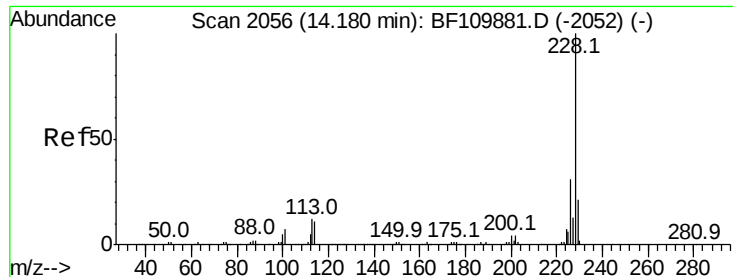


#81
 Benzo(a)anthracene
 Concen: 24.296 ng
 RT: 14.15 min Scan# 2051
 Delta R.T. -0.00 min
 Lab File: BF109919.D
 Acq: 17 Oct 2018 12:52

Tgt Ion:228 Resp: 695870

Ion	Ratio	Lower	Upper
228	100		
226	31.8	22.1	33.1
229	21.6	15.6	23.4





#83

Chrysene

Concen: 22.361 ng

RT: 14.19 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BF109919.D

Acq: 17 Oct 2018 12:52

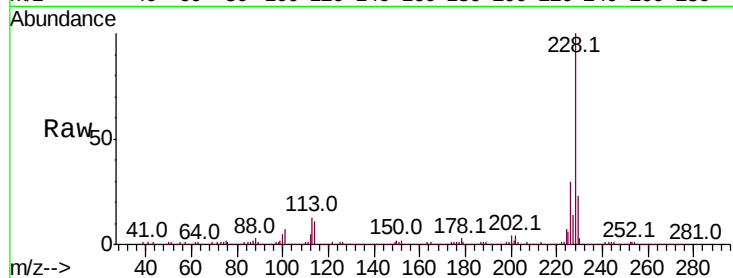
Instrument :

BNA_F

ClientSampled :

Tot Ion:228 Resp: 609596

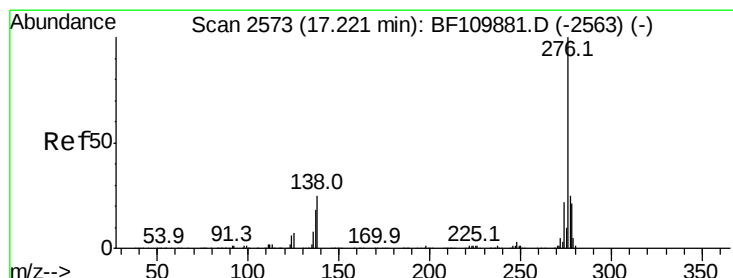
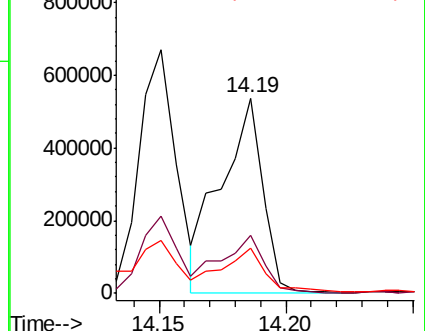
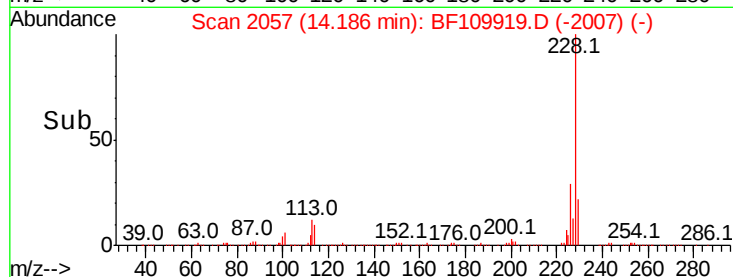
Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.7	37.1
229	23.1	15.9	23.9



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 17.720 ng

RT: 17.24 min Scan# 2577

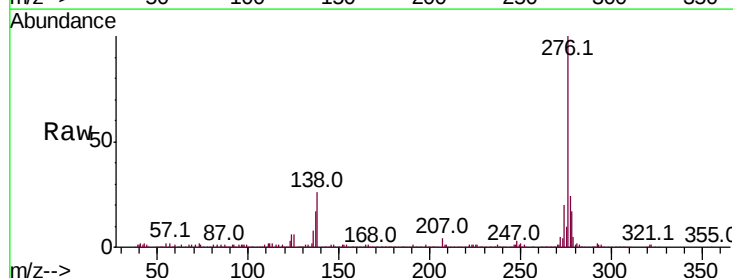
Delta R.T. -0.02 min

Lab File: BF109919.D

Acq: 17 Oct 2018 12:52

Tgt Ion:276 Resp: 388943

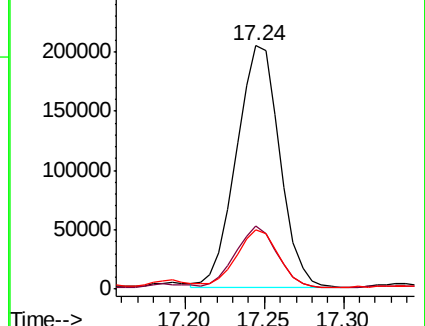
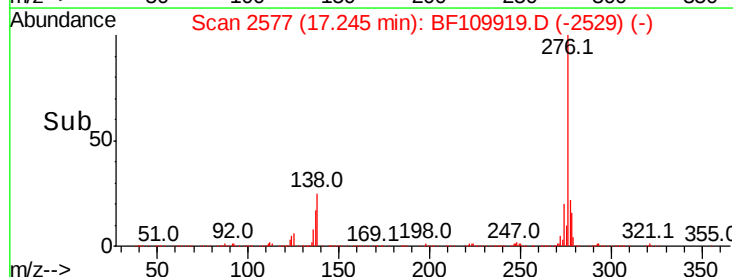
Ion	Ratio	Lower	Upper
276	100		
138	24.3	18.5	27.7
277	23.3	20.0	30.0

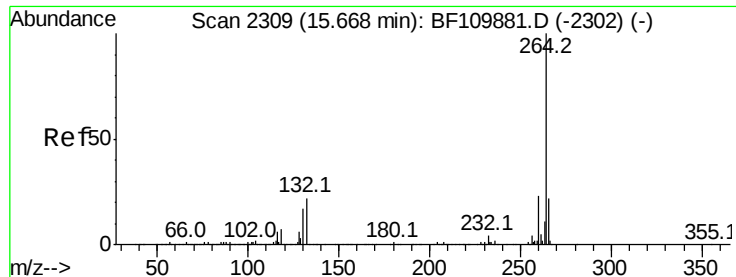


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2313

Delta R.T. -0.00 min

Lab File: BF109919.D

Acq: 17 Oct 2018 12:52

Instrument :

BNA_F

ClientSampled :

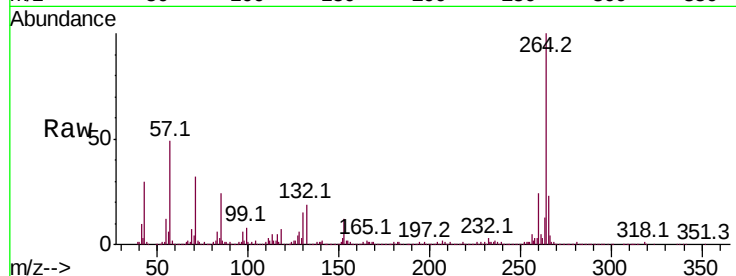
Tot Ion:264 Resp: 542702

Ion Ratio Lower Upper

264 100

260 23.5 18.7 28.1

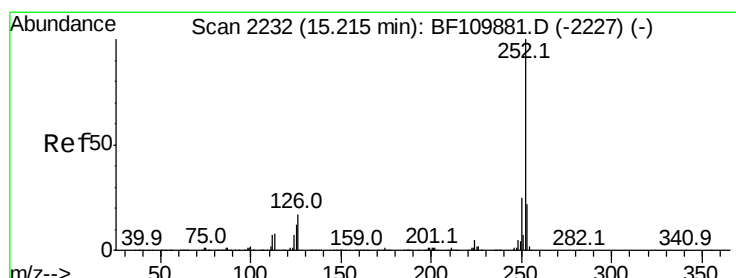
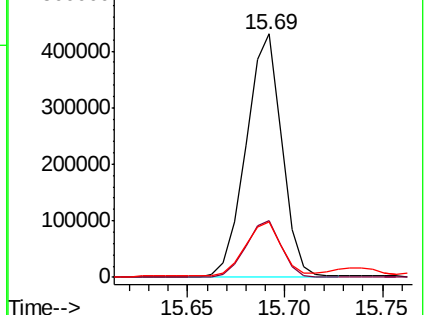
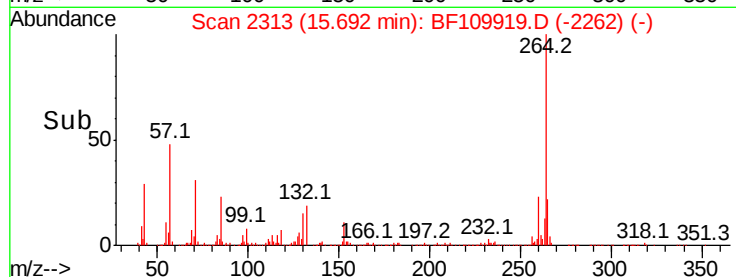
265 22.5 16.7 25.1



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: 45.737 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.00 min

Lab File: BF109919.D

Acq: 17 Oct 2018 12:52

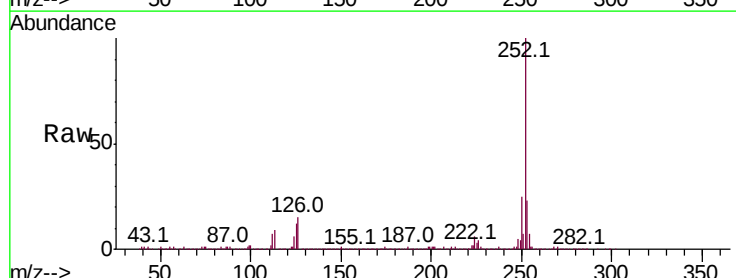
Tgt Ion:252 Resp: 1431024

Ion Ratio Lower Upper

252 100

253 22.5 17.2 25.8

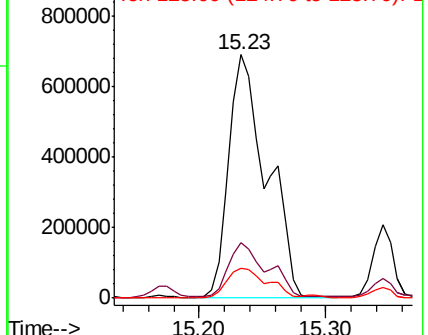
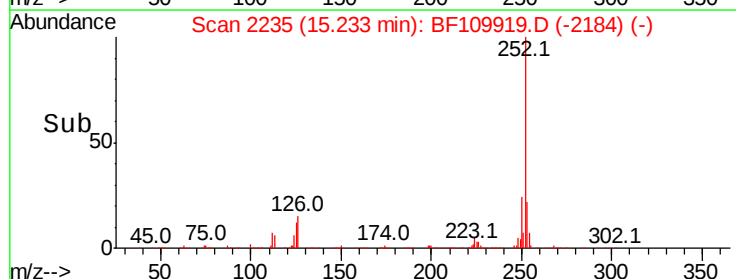
125 12.5 8.2 12.4#

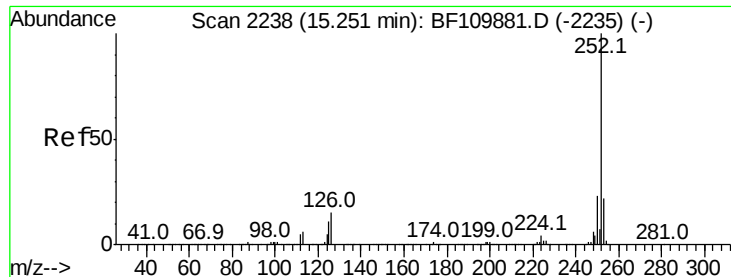


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

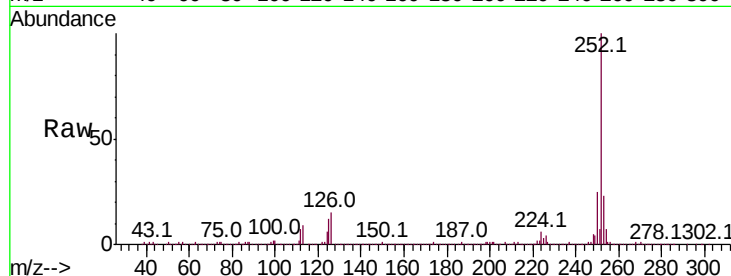




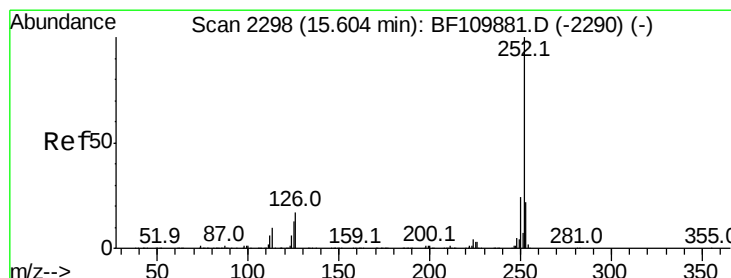
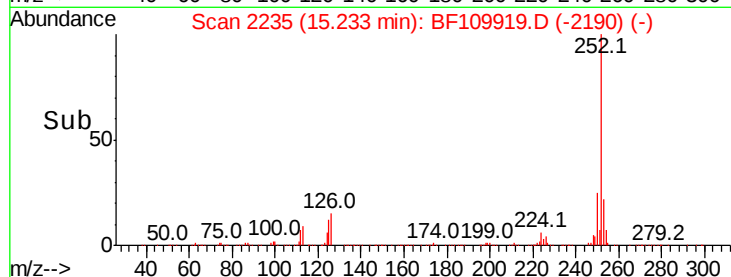
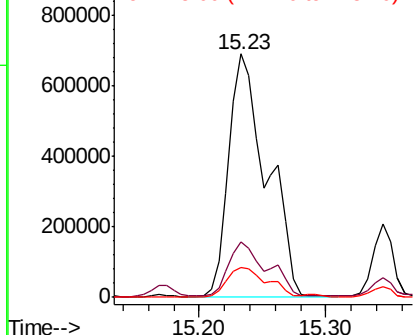
#89
Benzo(k)fluoranthene
Concen: 46.403 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.04 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 1431024
Ion Ratio Lower Upper
252 100
253 22.5 17.2 25.8
125 12.5 7.4 11.0#

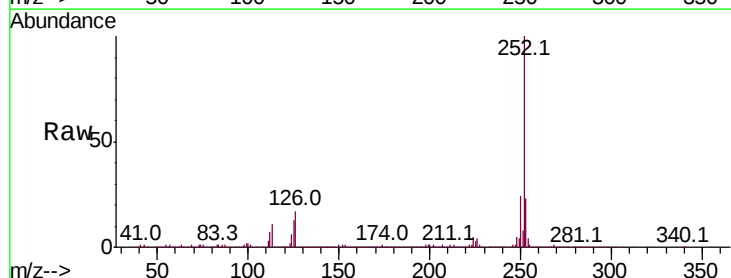


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

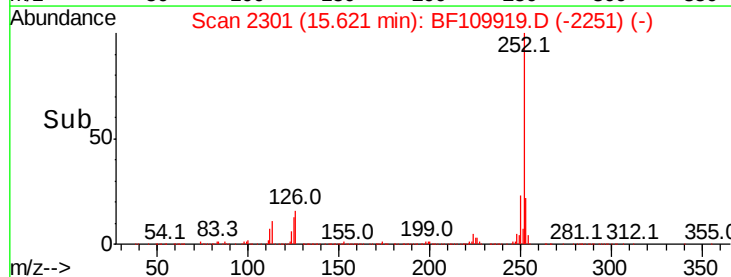
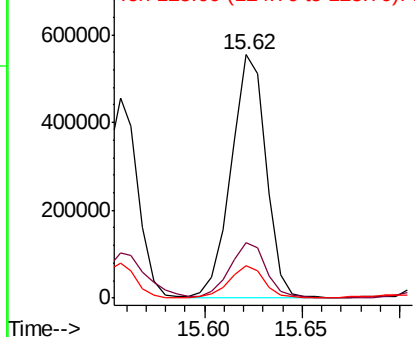


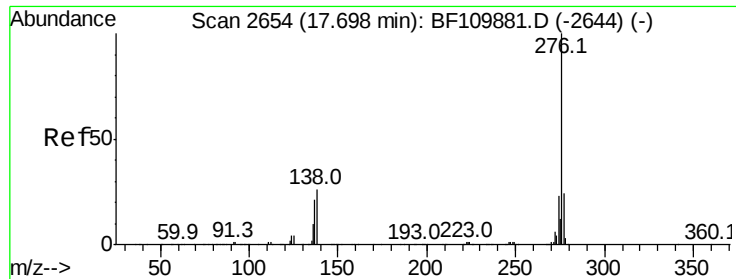
#90
Benzo(a)pyrene
Concen: 23.743 ng
RT: 15.62 min Scan# 2301
Delta R.T. -0.01 min
Lab File: BF109919.D
Acq: 17 Oct 2018 12:52

Tgt Ion:252 Resp: 683238
Ion Ratio Lower Upper
252 100
253 22.5 18.2 27.4
125 13.1 9.0 13.6



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





#92
 Benzo(a,h,i)perylene
 Concen: 12.655 ng
 RT: 17.73 min Scan# 2659
 Delta R.T. -0.01 min
 Lab File: BF109919.D
 Acq: 17 Oct 2018 12:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.8	28.2
138	25.0	16.0	24.0

