

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021218\
 Data File : BF102938.D
 Acq On : 13 Feb 2018 00:06
 Operator : SJ/JU
 Sample : J1522-01MSD 50X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 13 02:22:47 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	170357	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	663618	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	260154	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	346389	20.00	ng	0.00
75) Chrysene-d12	14.06	240	280312	20.00	ng	0.00
86) Perylene-d12	15.54	264	264422	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	3233	0.29	ng	0.00
7) Phenol-d6	6.50	99	4674	0.35	ng	0.00
23) Nitrobenzene-d5	7.44	82	2976	0.31	ng	-0.01
41) 2,4,6-Tribromophenol	10.71	330	439	0.21	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	6214	0.40	ng	0.00
78) Terphenyl-d14	12.99	244	4679	0.40	ng	0.00

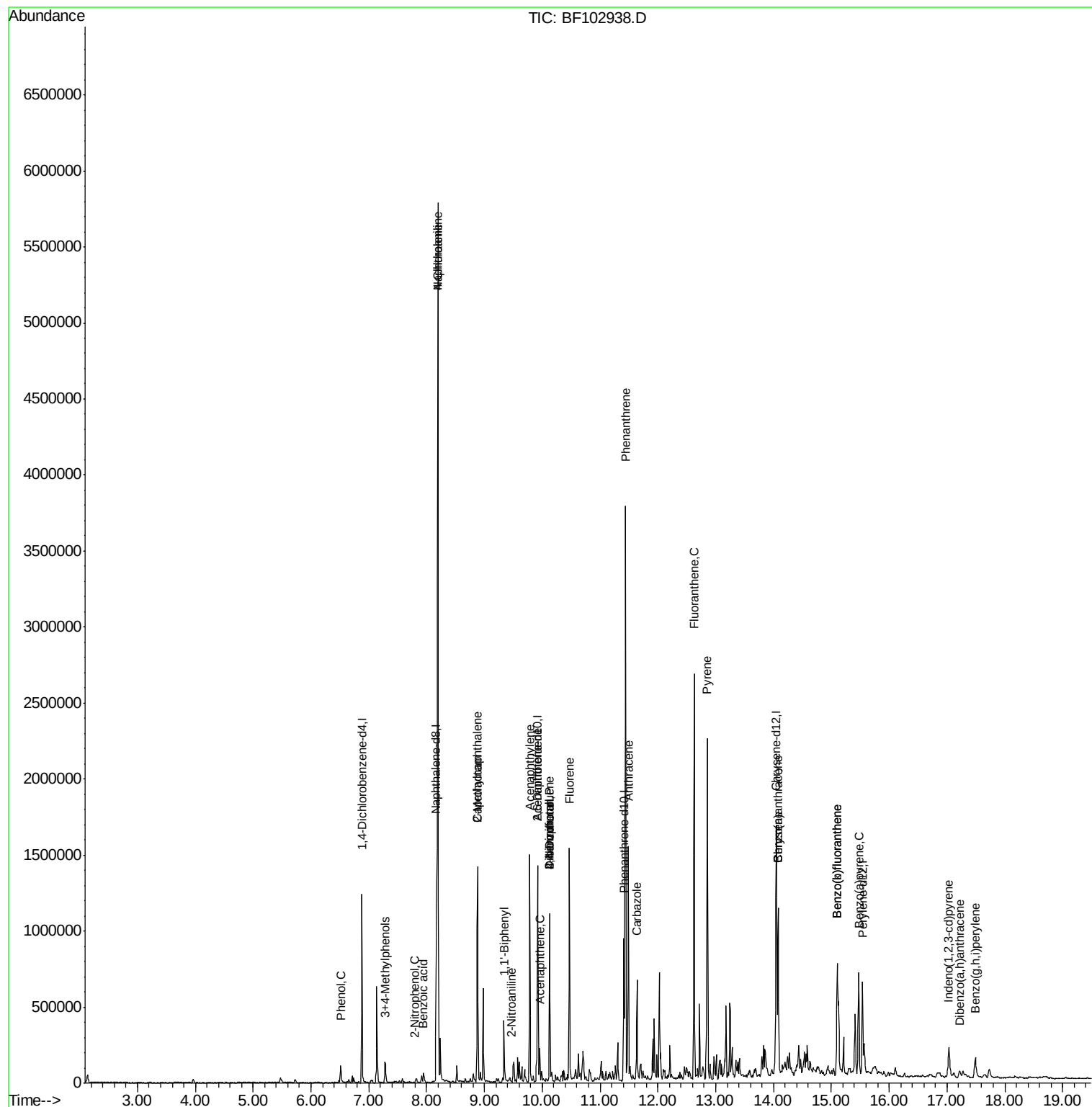
Target Compounds				Qvalue		
10) Phenol	6.52	94	38371	2.65	ng	100
20) 3+4-Methylphenols	7.28	107	31696	2.41	ng	84
26) 2-Nitrophenol	7.78	139	147	8.69	ng	# 34
31) Naphthalene	8.20	128	2920182	90.07	ng	99
32) Benzoic acid	7.95	122	10073	10.02	ng	# 22
33) 4-Chloroaniline	8.20	127	398294	28.52	ng	# 35
35) Caprolactam	8.88	113	7672	2.61	ng	# 1
37) 2-Methylnaphthalene	8.88	142	362644	17.08	ng	99
45) 1,1'-Biphenyl	9.34	154	119322	5.45	ng	96
47) 2-Nitroaniline	9.47	65	884	3.63	ng	# 64
48) Acenaphthylene	9.79	152	636213	23.75	ng	99
50) 2,6-Dinitrotoluene	9.92	165	38209	9.90	ng	# 27
51) Acenaphthene	9.96	154	38801	2.42	ng	96
54) Dibenzofuran	10.13	168	411523	18.22	ng	98
55) 4-Nitrophenol	10.13	139	162164	43.49	ng	# 10
56) 2,4-Dinitrotoluene	10.13	165	1698	3.38	ng	# 1
57) Fluorene	10.47	166	448078	27.27	ng	98
70) Phenanthrene	11.44	178	1446861	75.00	ng	99
71) Anthracene	11.49	178	585297	29.83	ng	100
72) Carbazole	11.64	167	237417	12.35	ng	99
74) Fluoranthene	12.63	202	1073127	55.29	ng	97
77) Pyrene	12.86	202	846365	38.50	ng	99
80) Benzo(a)anthracene	14.08	228	389332	22.08	ng	96
82) Chrysene	14.08	228	389275	21.91	ng	98
85) Indeno(1,2,3-cd)pyrene	17.03	276	121850	8.27	ng	99
87) Benzo(b)fluoranthene	15.10	252	585934	34.18	ng	# 96
88) Benzo(k)fluoranthene	15.10	252	585934	35.77	ng	97
89) Benzo(a)pyrene	15.47	252	311568	20.19	ng	96
90) Dibenzo(a,h)anthracene	17.22	278	27544	2.20	ng	97
91) Benzo(g,h,i)perylene	17.49	276	103498	8.44	ng	96

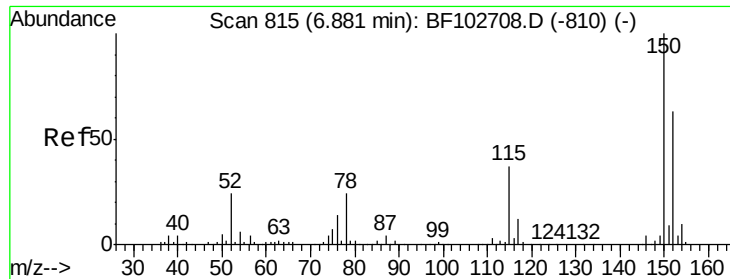
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 815

Delta R.T. -0.00 min

Lab File: BF102938.D

Acq: 13 Feb 2018 00:06

Instrument :

BNA_F

ClientSampleId :

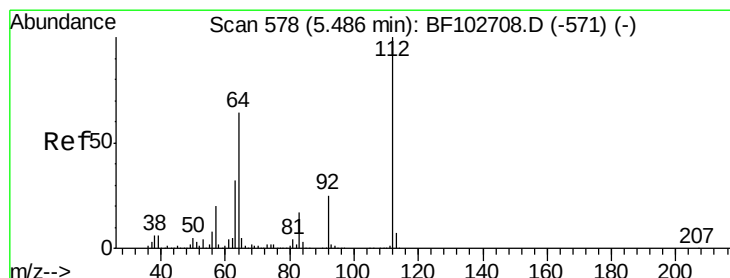
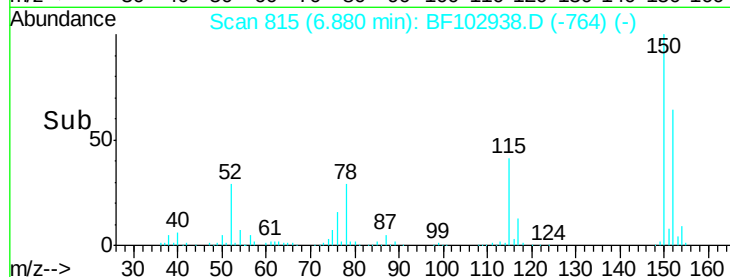
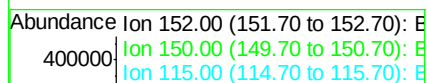
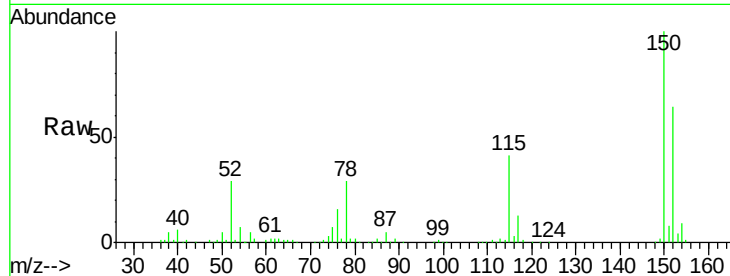
Tot Ion:152 Resp: 170357

Ion Ratio Lower Upper

152 100

150 156.5 124.6 186.8

115 64.2 50.1 75.1



#5

2-Fluorophenol

Concen: 0.29 ng

RT: 5.50 min Scan# 580

Delta R.T. 0.01 min

Lab File: BF102938.D

Acq: 13 Feb 2018 00:06

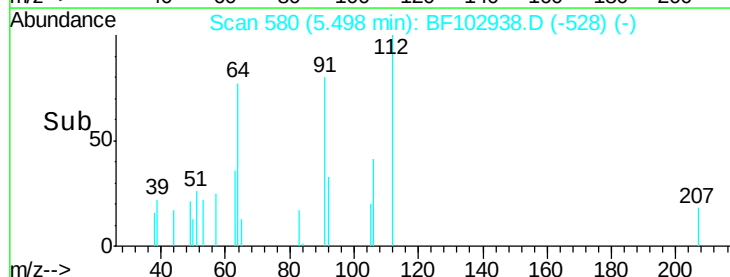
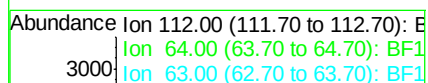
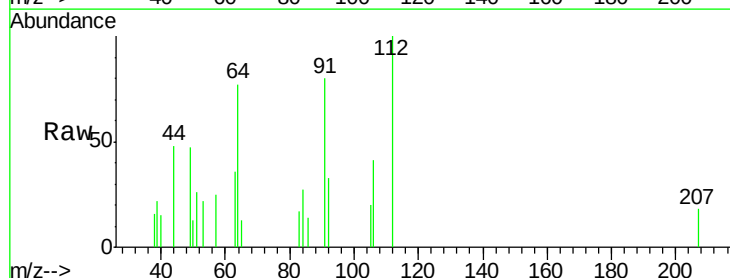
Tgt Ion:112 Resp: 3233

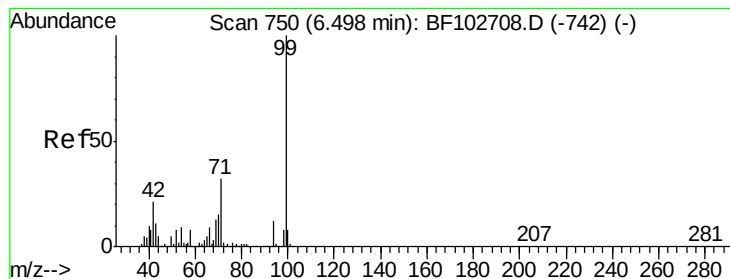
Ion Ratio Lower Upper

112 100

64 77.2 47.9 71.9#

63 36.0 23.7 35.5#





#7

Phenol-d6

Concen: 0.35 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF102938.D

Acq: 13 Feb 2018 00:06

Instrument :

BNA_F

ClientSampleId :

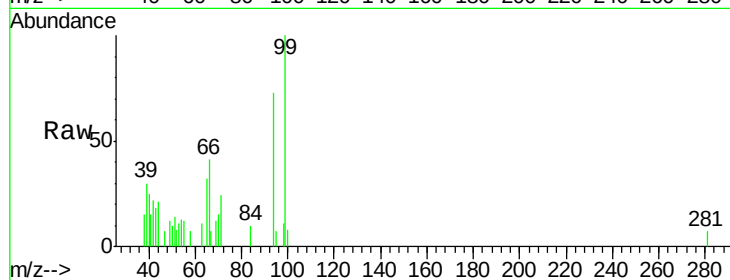
Tot Ion: 99 Resp: 4674

Ion Ratio Lower Upper

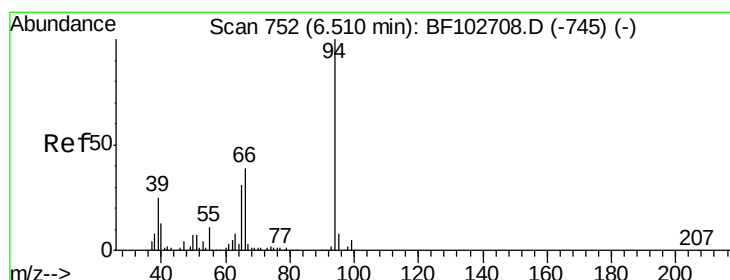
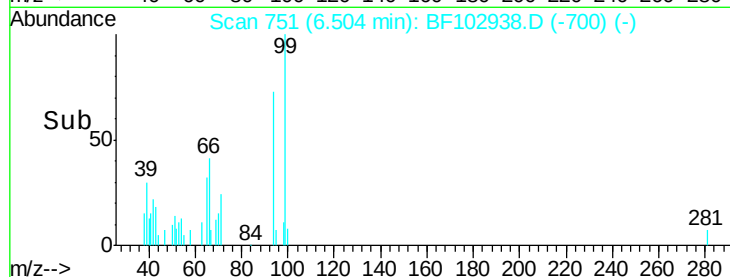
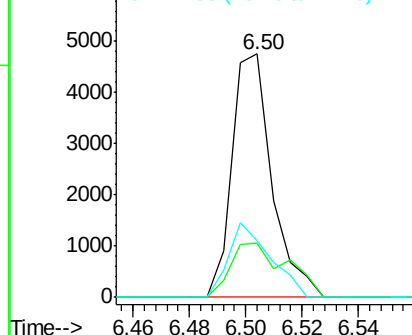
99 100

42 22.5 14.5 21.7#

71 23.5 25.4 38.0#



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.65 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF102938.D

Acq: 13 Feb 2018 00:06

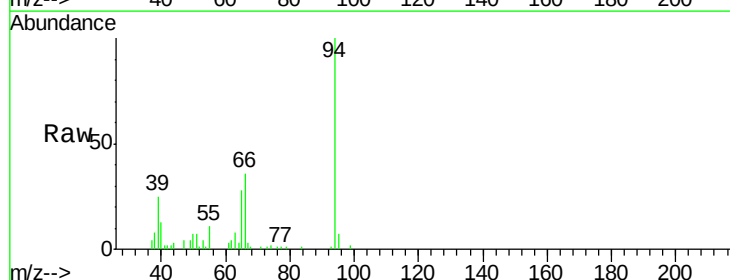
Tgt Ion: 94 Resp: 38371

Ion Ratio Lower Upper

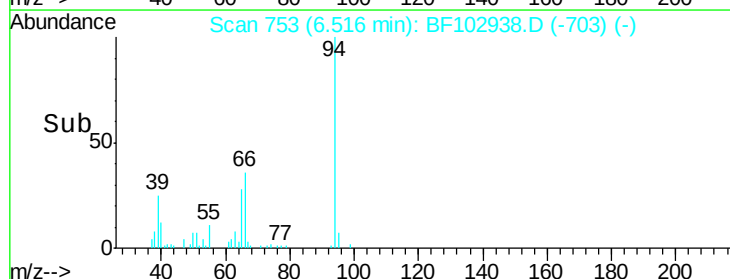
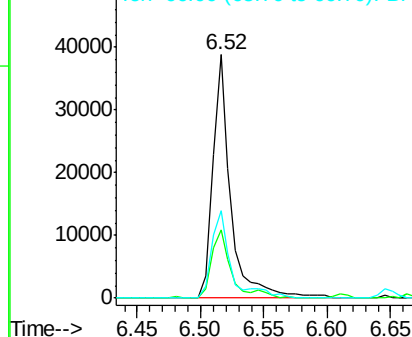
94 100

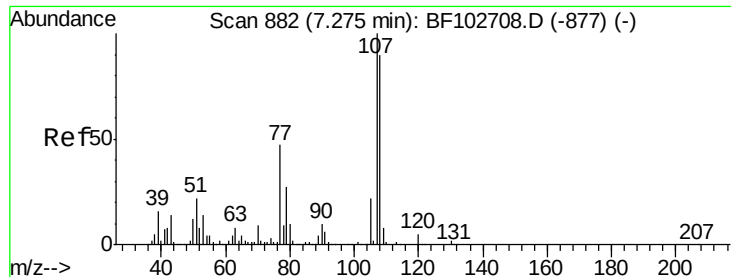
65 28.2 7.9 47.9

66 36.1 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#20

3+4-Methylphenols

Concen: 2.41 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF102938.D

Acq: 13 Feb 2018 00:06

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 31696

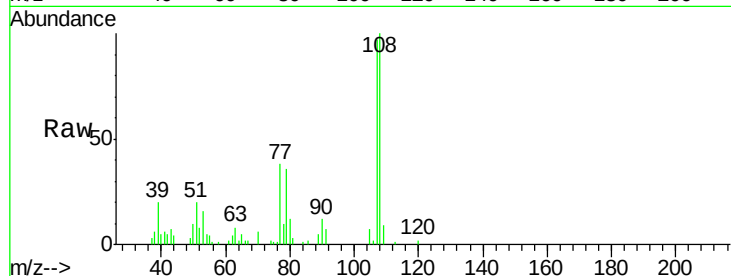
Ion Ratio Lower Upper

107 100

108 103.2 68.2 108.2

77 38.8 26.7 66.7

79 37.5 6.3 46.3



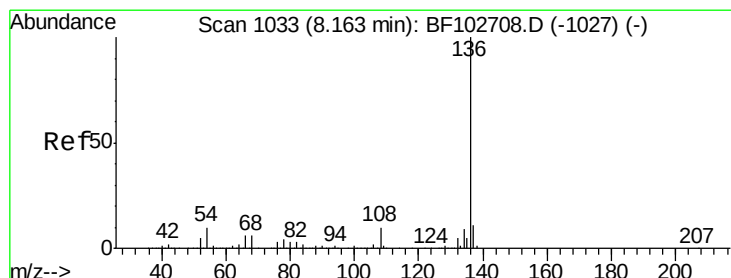
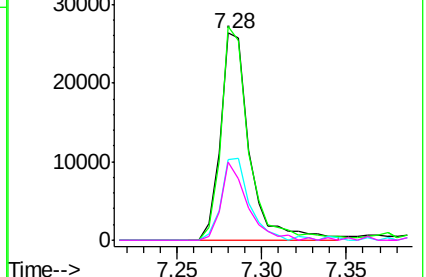
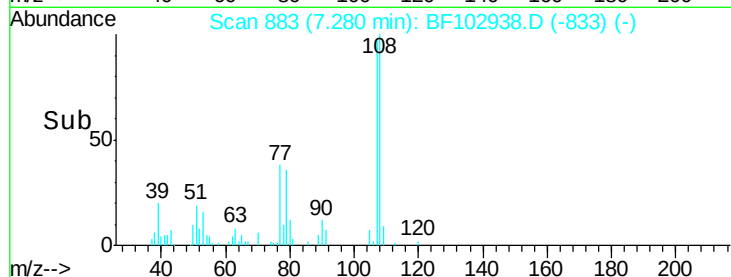
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BF102938.D

Acq: 13 Feb 2018 00:06

Tgt Ion:136 Resp: 663618

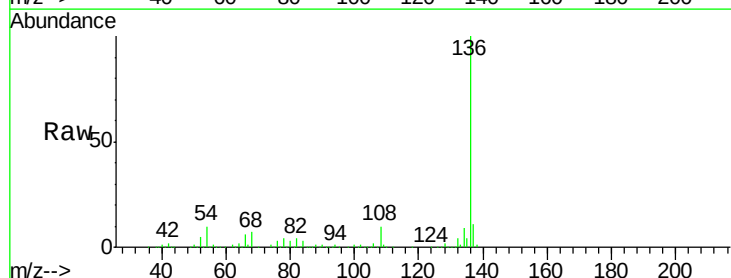
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 9.6 6.6 9.8

68 6.6 5.0 7.4



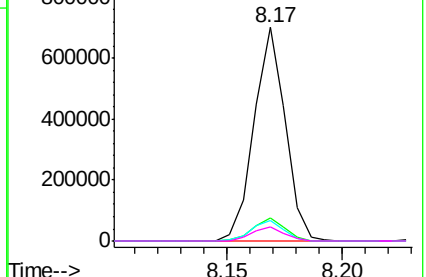
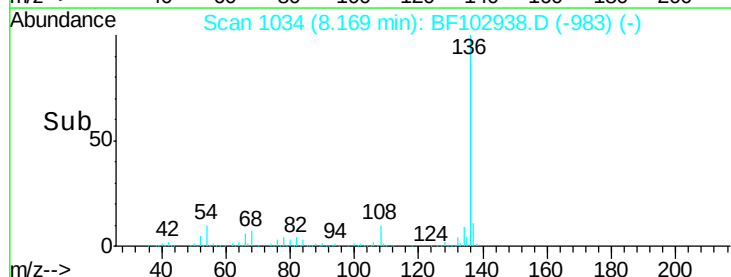
Abundance Ion 136.00 (135.70 to 136.70): E

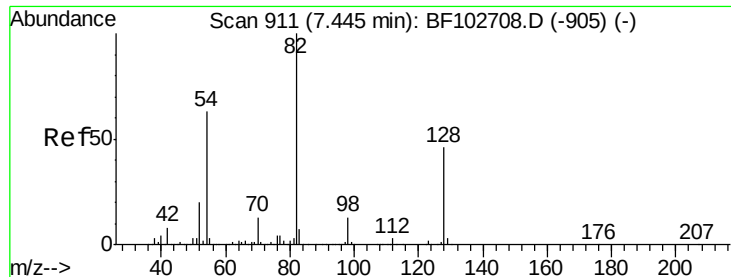
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

Time-->

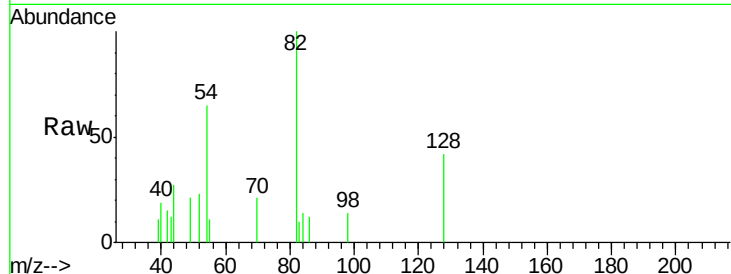




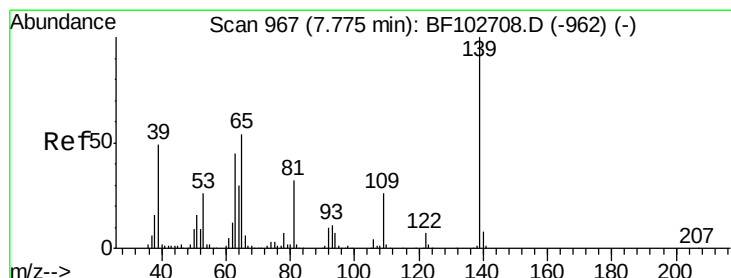
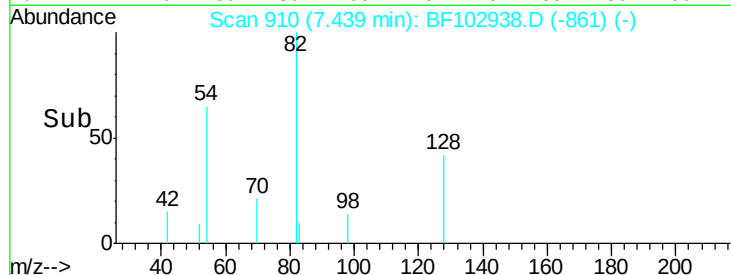
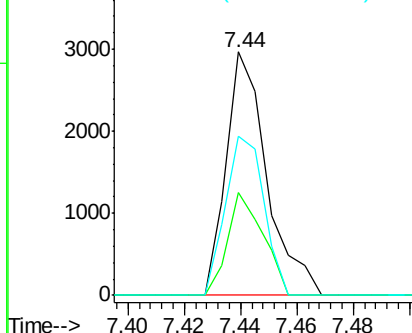
#23
Nitrobenzene-d5
Concen: 0.31 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF102938.D
Acq: 13 Feb 2018 00:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	2976
Ion Ratio	Lower	Upper	
82	100		
128	42.4	36.1	54.1
54	65.4	41.4	62.2#

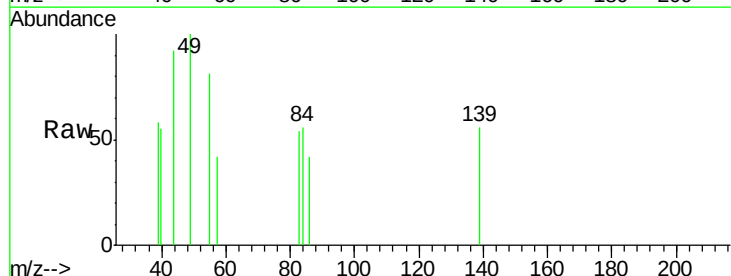


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

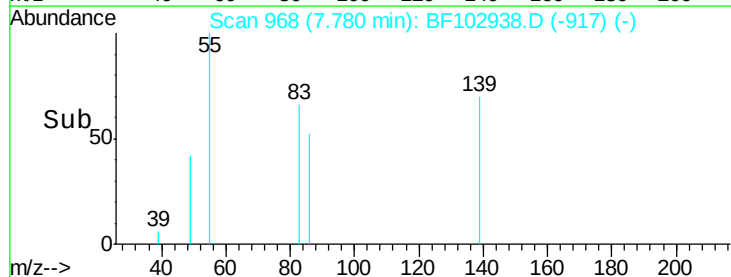
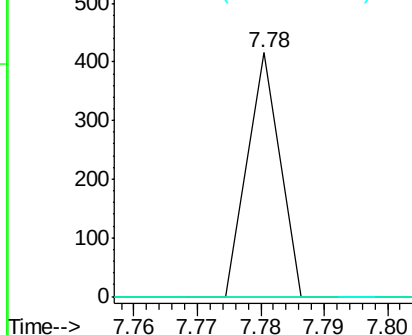


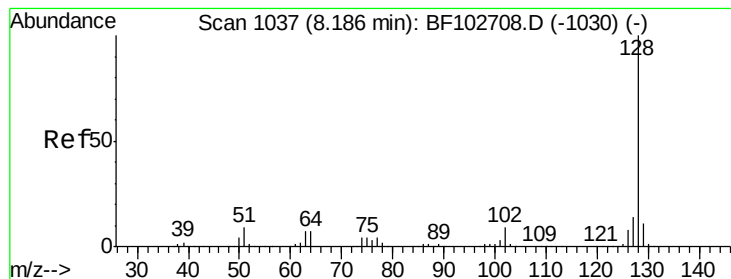
#26
2-Nitrophenol
Concen: 8.69 ng
RT: 7.78 min Scan# 968
Delta R.T. -0.00 min
Lab File: BF102938.D
Acq: 13 Feb 2018 00:06

Tgt Ion	139	Resp	147
Ion Ratio	Lower	Upper	
139	100		
109	0.0	22.7	34.1#
65	0.0	40.5	60.7#



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





#31

Naphthalene

Concen: 90.07 ng

RT: 8.20 min Scan# 1039

Delta R.T. 0.01 min

Lab File: BF102938.D

Acq: 13 Feb 2018 00:06

Instrument :

BNA_F

ClientSampleId :

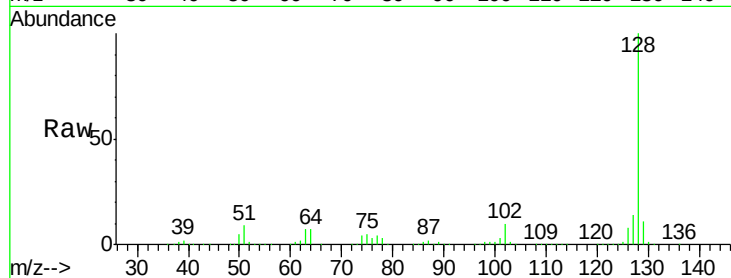
Tot Ion:128 Resp: 2920182

Ion Ratio Lower Upper

128 100

129 11.5 8.8 13.2

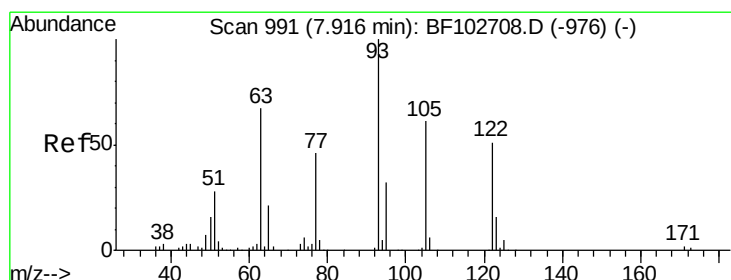
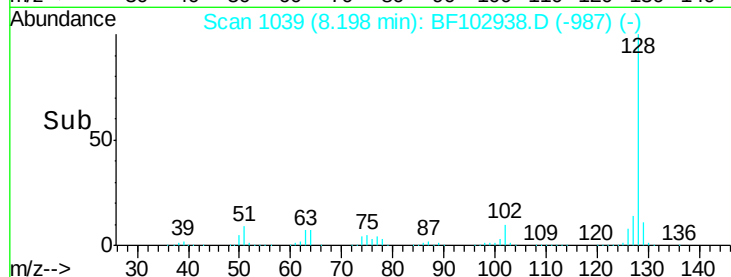
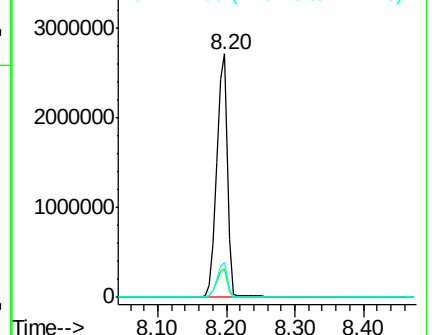
127 14.2 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 10.02 ng

RT: 7.95 min Scan# 997

Delta R.T. 0.02 min

Lab File: BF102938.D

Acq: 13 Feb 2018 00:06

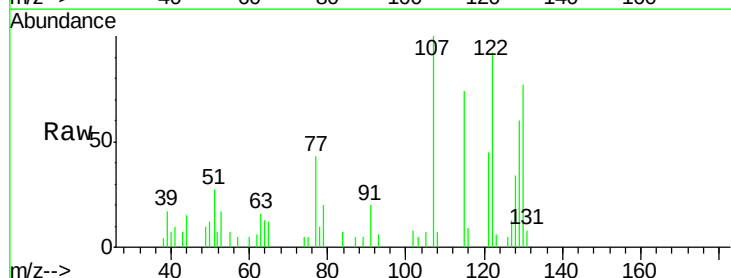
Tgt Ion:122 Resp: 10073

Ion Ratio Lower Upper

122 100

105 7.1 101.1 141.1#

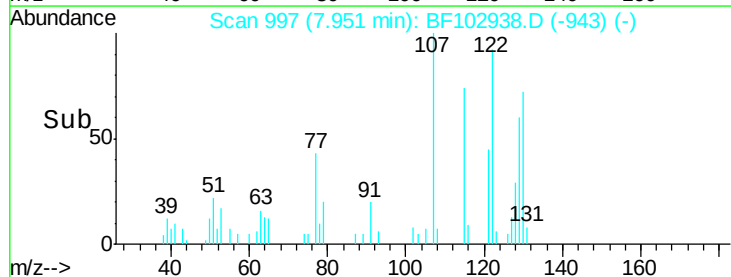
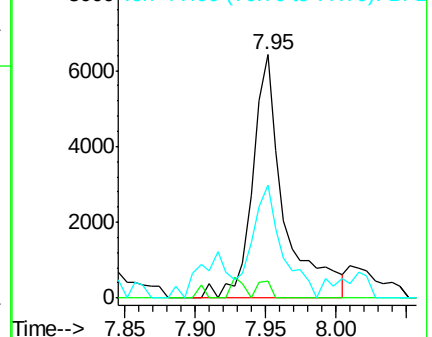
77 46.6 70.7 110.7#

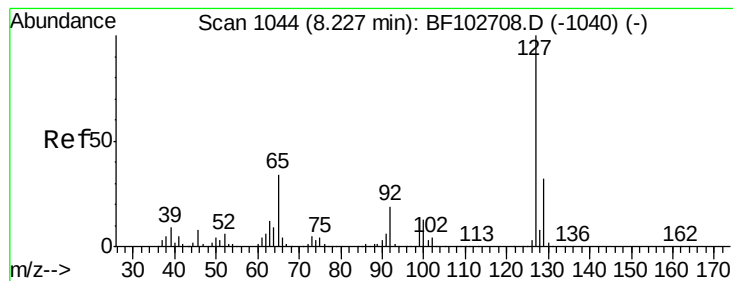


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#33

4-Chloroaniline

Concen: 28.52 ng

RT: 8.20 min Scan# 1039

Delta R.T. -0.04 min

Lab File: BF102938.D

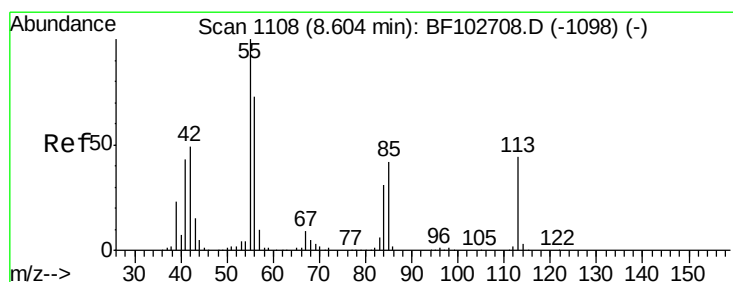
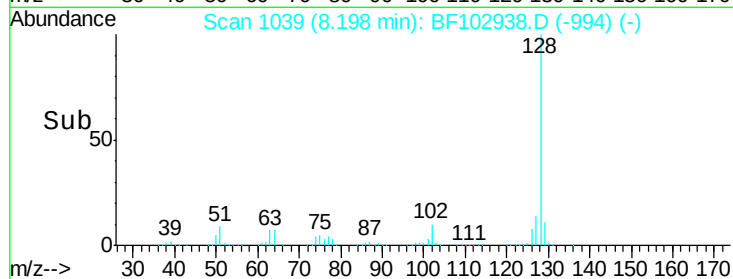
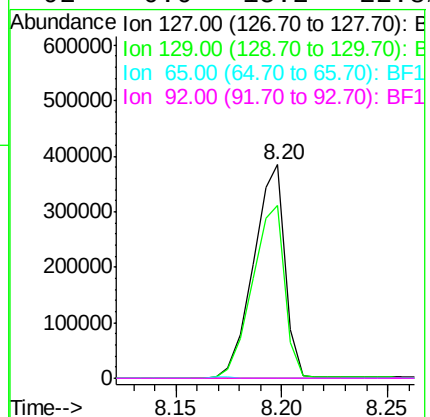
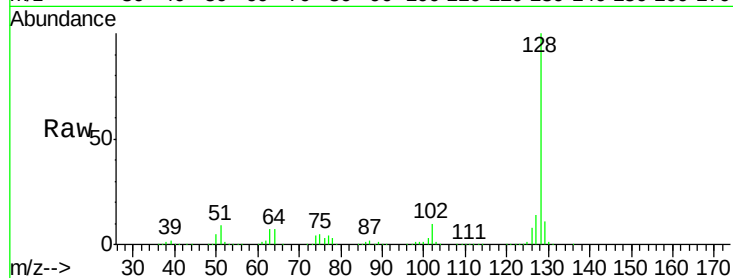
Acq: 13 Feb 2018 00:06

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	127	Resp:	398294
Ion	Ratio	Lower	Upper
127	100		
129	81.0	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#



#35

Caprolactam

Concen: 2.61 ng

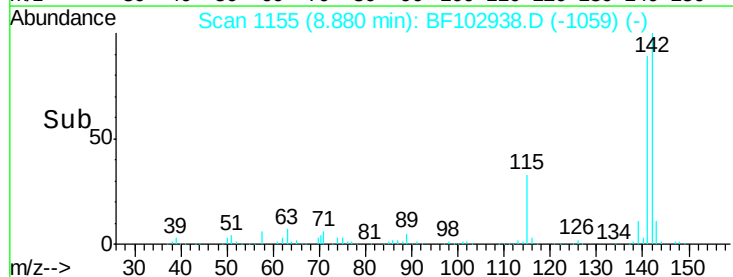
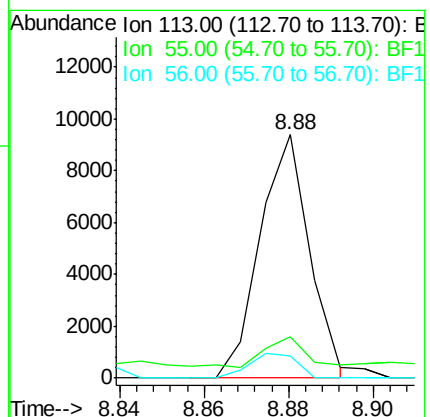
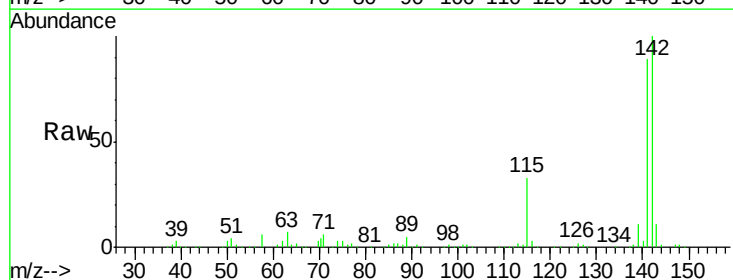
RT: 8.88 min Scan# 1155

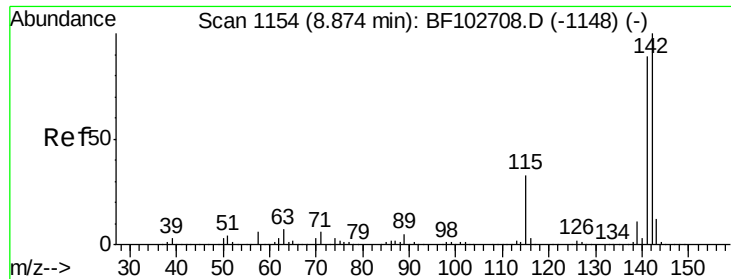
Delta R.T. 0.26 min

Lab File: BF102938.D

Acq: 13 Feb 2018 00:06

Tgt Ion:	113	Resp:	7672
Ion	Ratio	Lower	Upper
113	100		
55	17.1	163.3	203.3#
56	9.2	115.7	155.7#

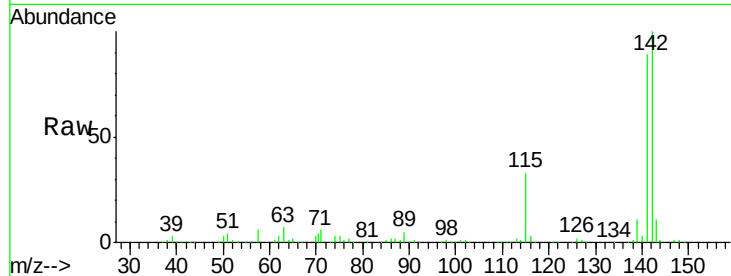




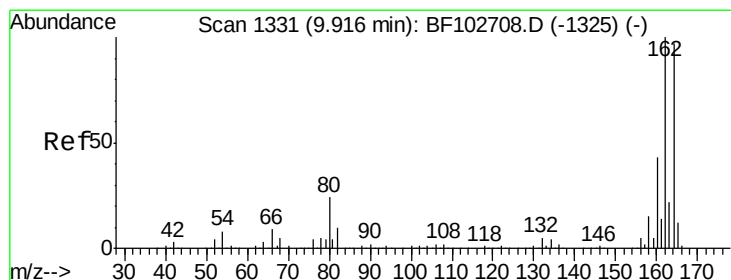
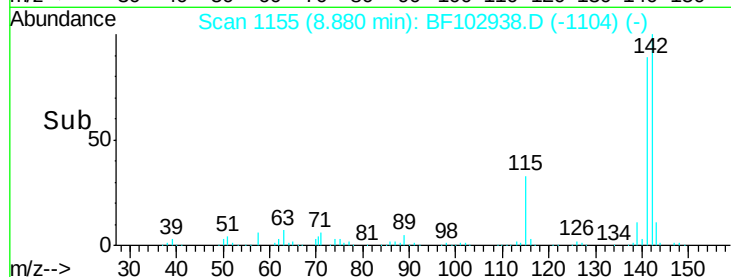
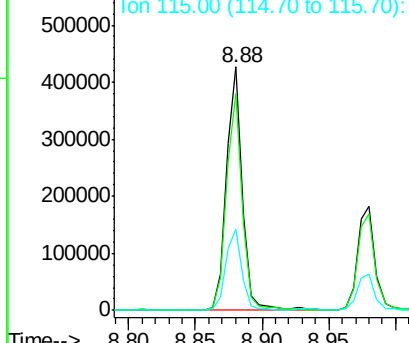
#37
2-Methylnaphthalene
Concen: 17.08 ng
RT: 8.88 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BF102938.D
Acq: 13 Feb 2018 00:06

Instrument :
BNA_F
ClientSampled :

Tot Ion:142 Resp: 362644
Ion Ratio Lower Upper
142 100
141 89.3 70.8 106.2
115 33.4 26.1 39.1

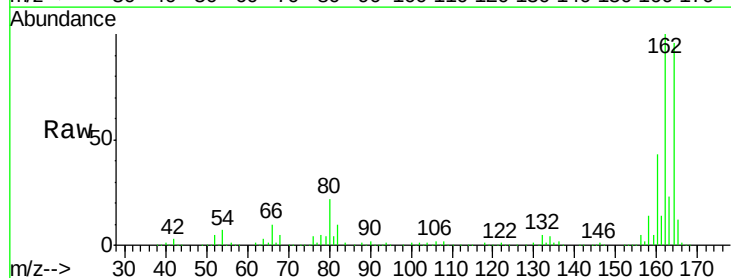


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

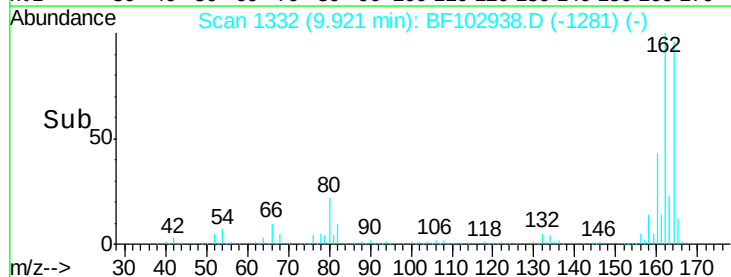
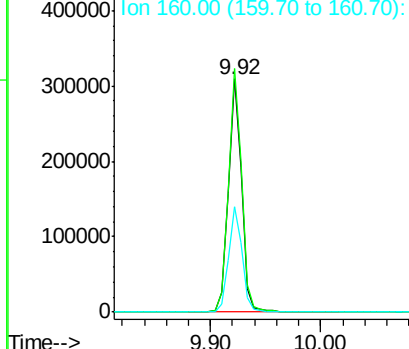


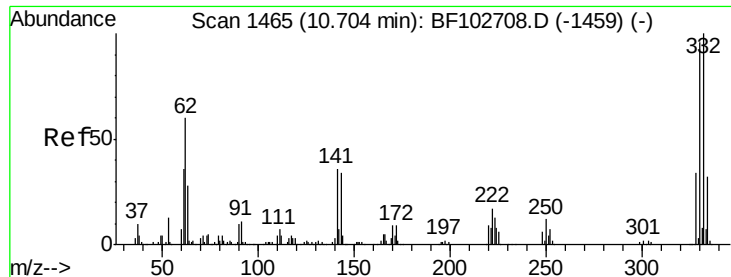
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.00 min
Lab File: BF102938.D
Acq: 13 Feb 2018 00:06

Tgt Ion:164 Resp: 260154
Ion Ratio Lower Upper
164 100
162 104.5 86.1 129.1
160 45.2 38.3 57.5



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





#41

2,4,6-Tribromophenol

Concen: 0.21 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.00 min

Lab File: BF102938.D

Acq: 13 Feb 2018 00:06

Instrument :

BNA_F

ClientSampled :

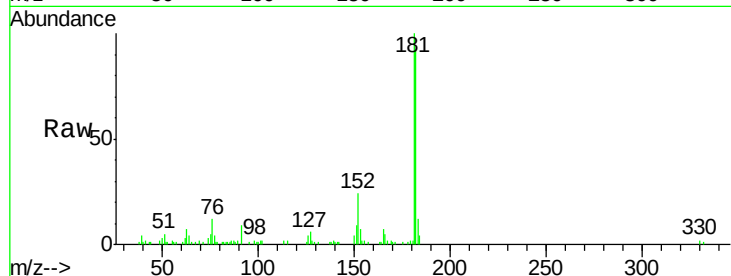
Tot Ion:330 Resp: 439

Ion Ratio Lower Upper

330 100

332 77.0 77.0 115.6#

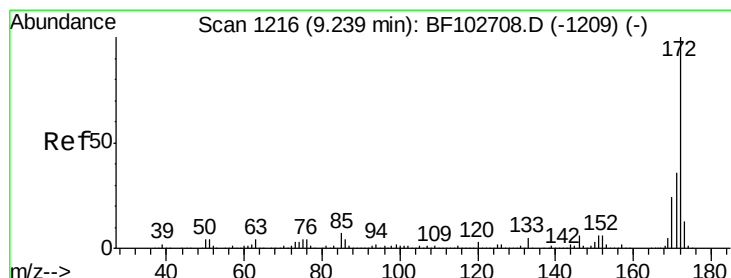
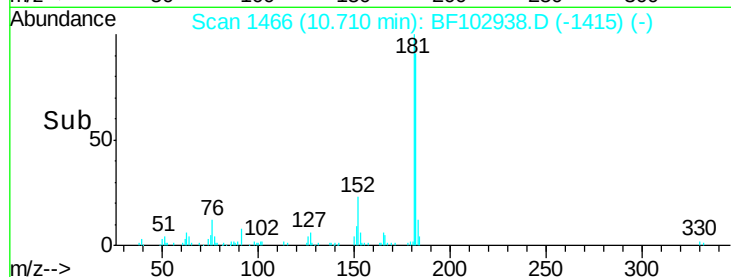
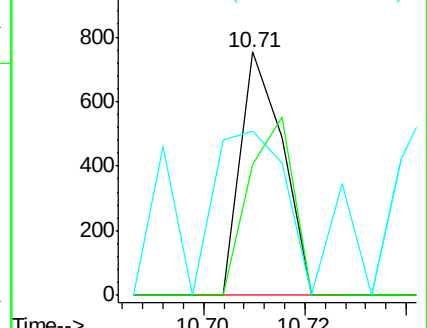
141 149.7 29.9 44.9#



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 0.40 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF102938.D

Acq: 13 Feb 2018 00:06

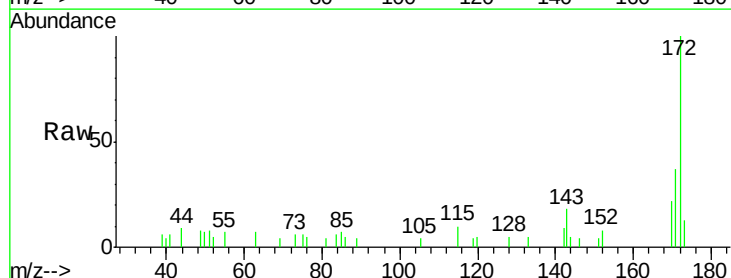
Tgt Ion:172 Resp: 6214

Ion Ratio Lower Upper

172 100

171 36.7 29.7 44.5

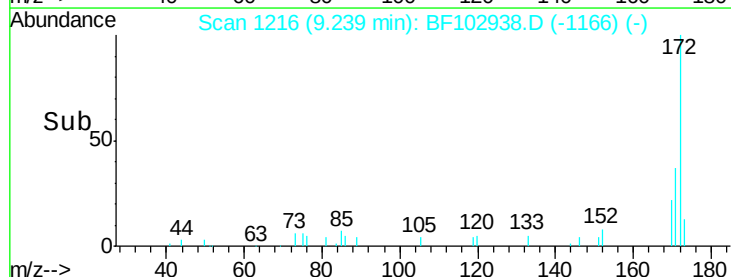
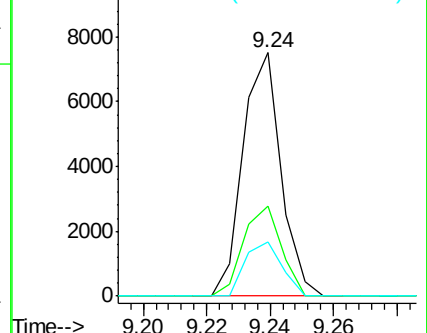
170 22.2 19.6 29.4

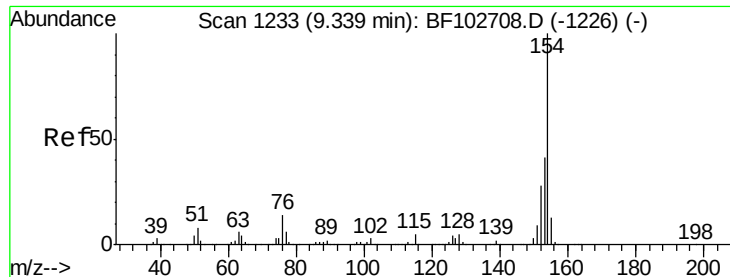


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

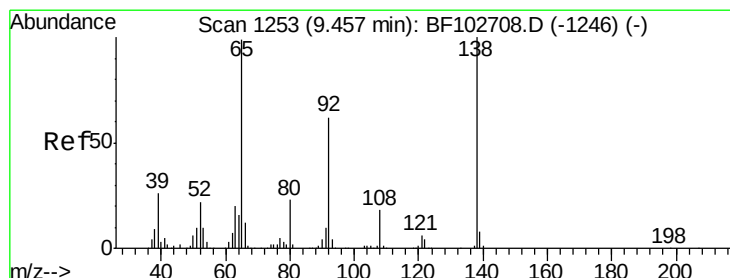
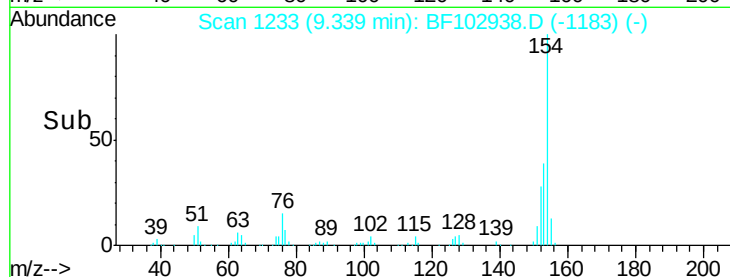
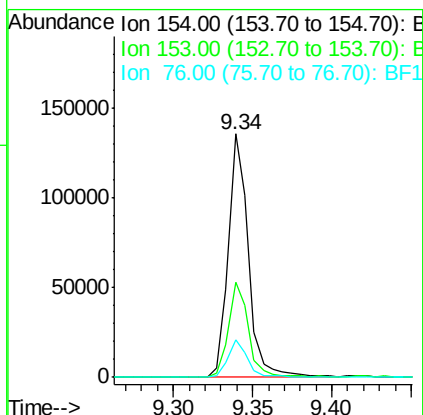
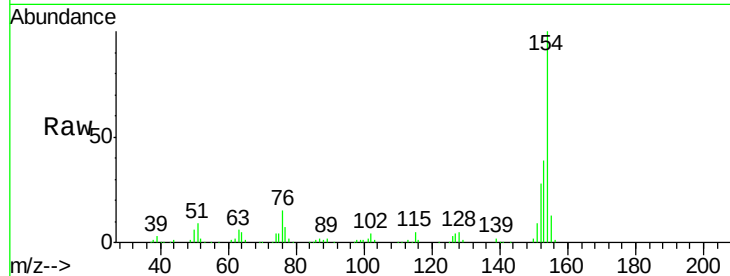




#45
 1,1'-Biphenyl
 Concen: 5.45 ng
 RT: 9.34 min Scan# 1233
 Delta R.T. -0.01 min
 Lab File: BF102938.D
 Acq: 13 Feb 2018 00:06

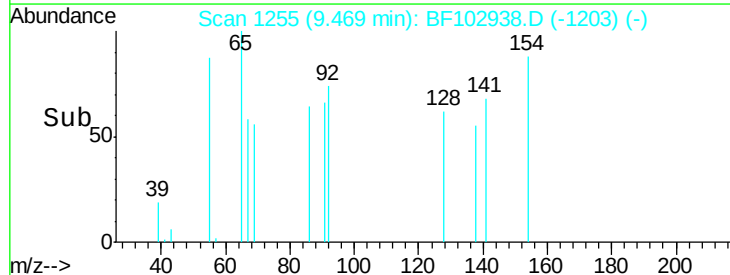
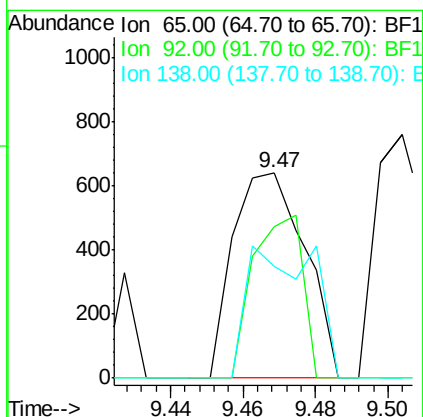
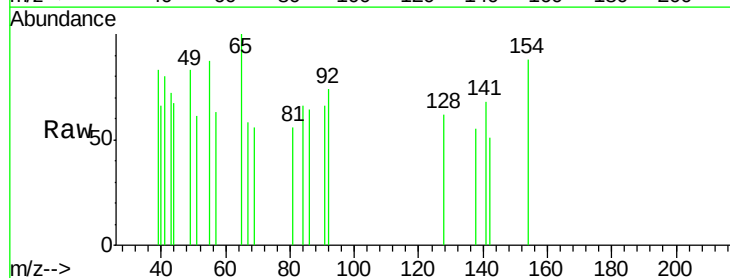
Instrument :
 BNA_F
 ClientSampleId :

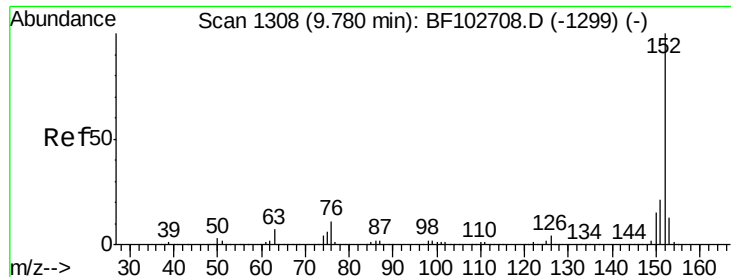
Tot Ion	Ratio	Lower	Upper
154	100		
153	38.8	21.3	61.3
76	15.3	0.0	34.0



#47
 2-Nitroaniline
 Concen: 3.63 ng
 RT: 9.47 min Scan# 1255
 Delta R.T. 0.01 min
 Lab File: BF102938.D
 Acq: 13 Feb 2018 00:06

Tgt Ion	Ratio	Lower	Upper
65	100		
92	73.6	55.8	83.6
138	54.6	91.2	136.8#





#48

Acenaphthylene

Concen: 23.75 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.00 min

Lab File: BF102938.D

Acq: 13 Feb 2018 00:06

Instrument :

BNA_F

ClientSampleId :

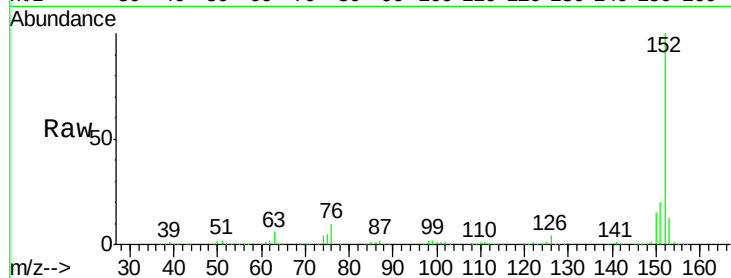
Tot Ion:152 Resp: 636213

Ion Ratio Lower Upper

152 100

151 20.3 16.3 24.5

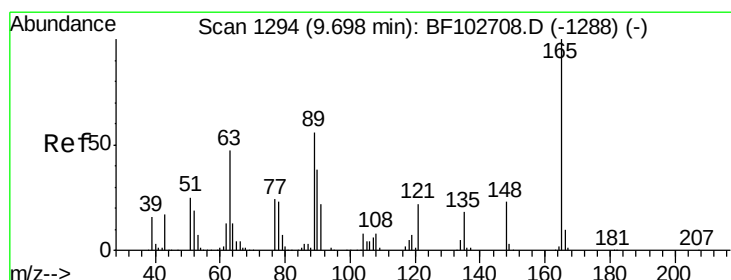
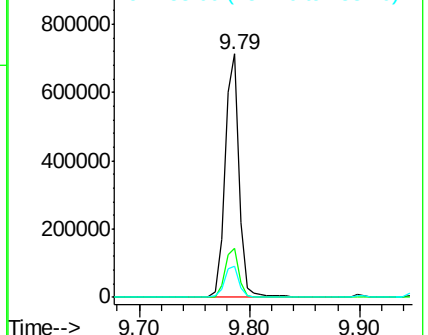
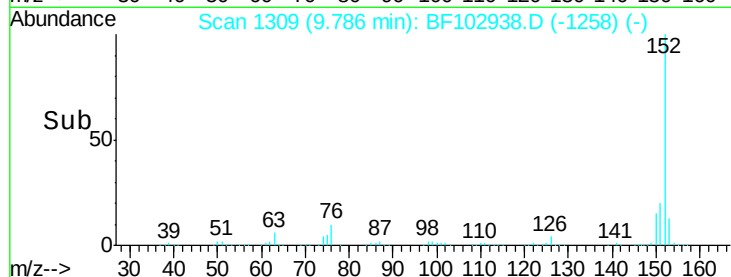
153 12.8 10.7 16.1



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

2,6-Dinitrotoluene

Concen: 9.90 ng

RT: 9.92 min Scan# 1332

Delta R.T. 0.22 min

Lab File: BF102938.D

Acq: 13 Feb 2018 00:06

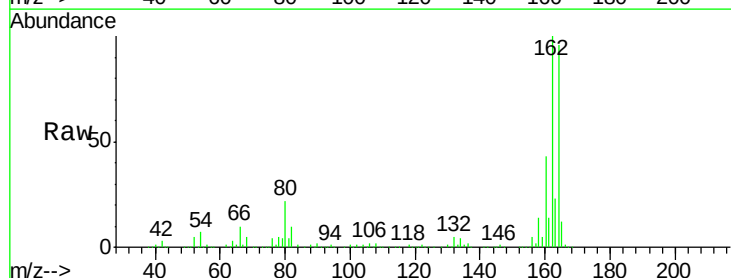
Tgt Ion:165 Resp: 38209

Ion Ratio Lower Upper

165 100

63 2.6 44.7 67.1#

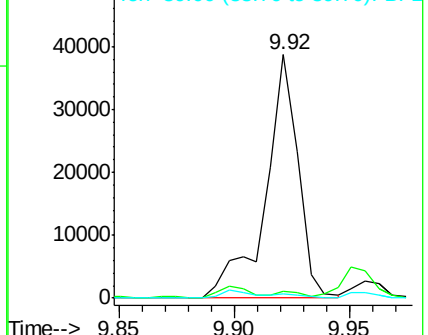
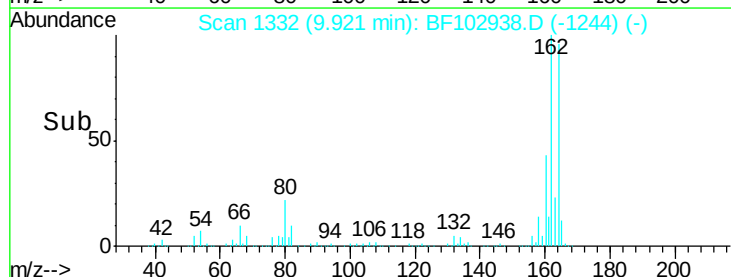
89 1.6 44.0 66.0#

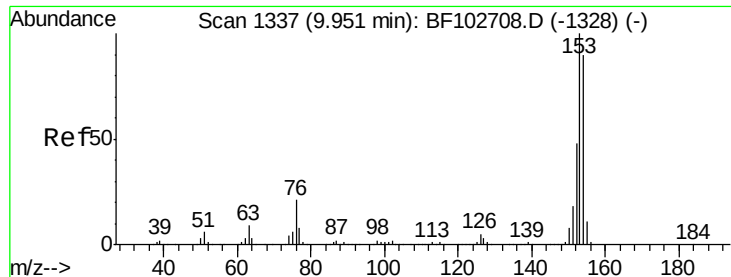


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 2.42 ng

RT: 9.96 min Scan# 1338

Delta R.T. -0.00 min

Lab File: BF102938.D

Acq: 13 Feb 2018 00:06

Instrument :

BNA_F

ClientSampleId :

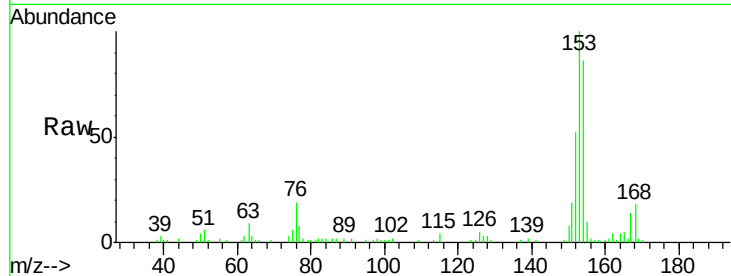
Tot Ion:154 Resp: 38801

Ion Ratio Lower Upper

154 100

153 116.6 91.2 136.8

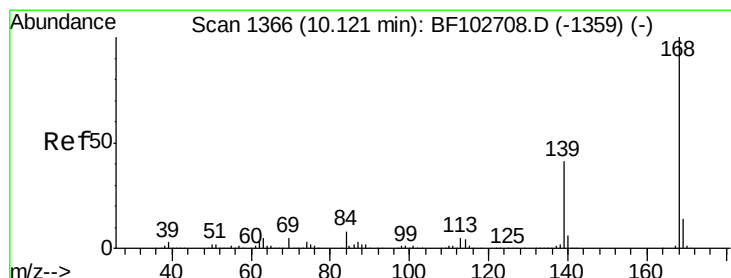
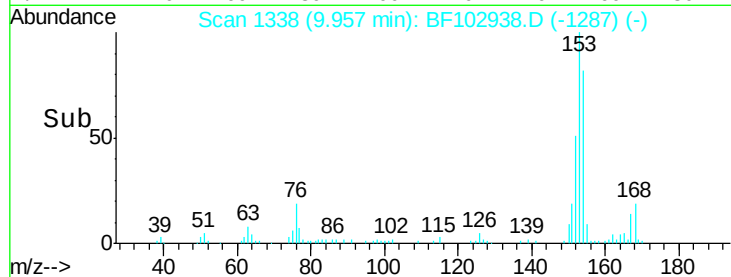
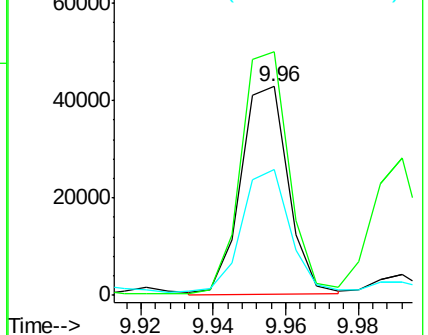
152 60.4 43.8 65.8



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

Dibenzofuran

Concen: 18.22 ng

RT: 10.13 min Scan# 1367

Delta R.T. -0.00 min

Lab File: BF102938.D

Acq: 13 Feb 2018 00:06

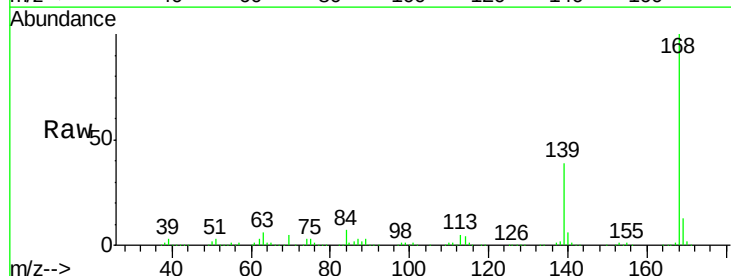
Tgt Ion:168 Resp: 411523

Ion Ratio Lower Upper

168 100

139 39.0 30.1 45.1

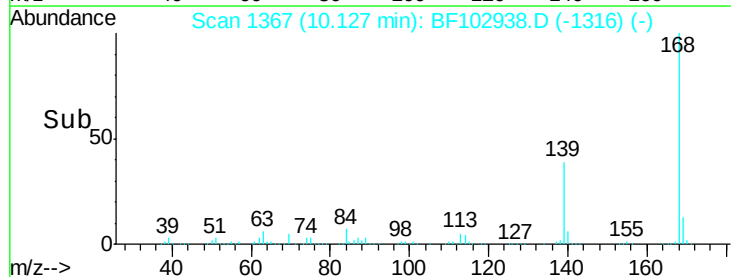
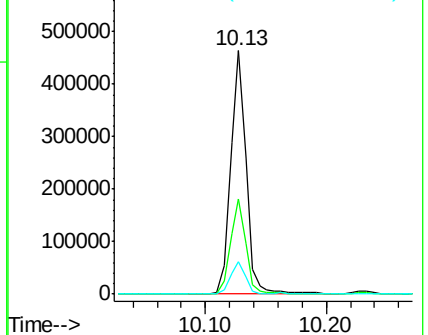
169 13.2 10.9 16.3

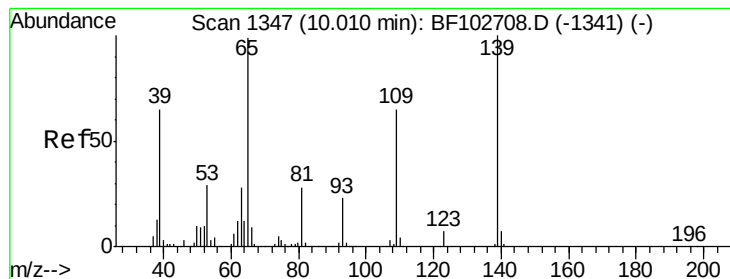


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 43.49 ng

RT: 10.13 min Scan# 1367

Delta R.T. 0.11 min

Lab File: BF102938.D

Acq: 13 Feb 2018 00:06

Instrument :

BNA_F

ClientSampled :

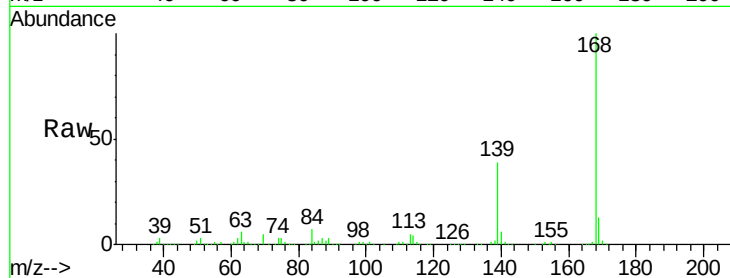
Tot Ion:139 Resp: 162164

Ion Ratio Lower Upper

139 100

109 0.8 48.4 88.4#

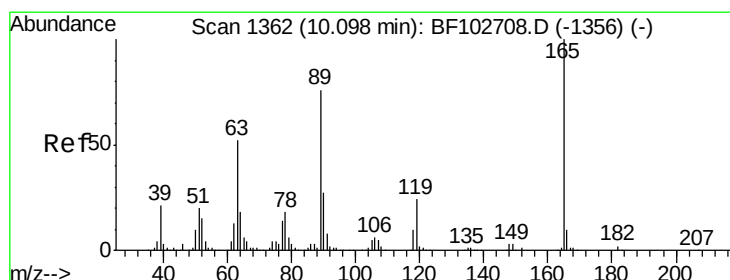
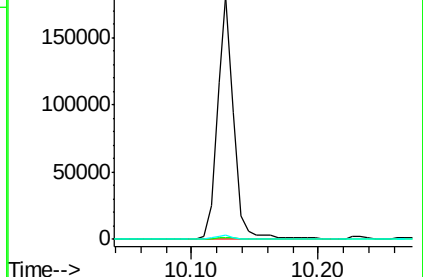
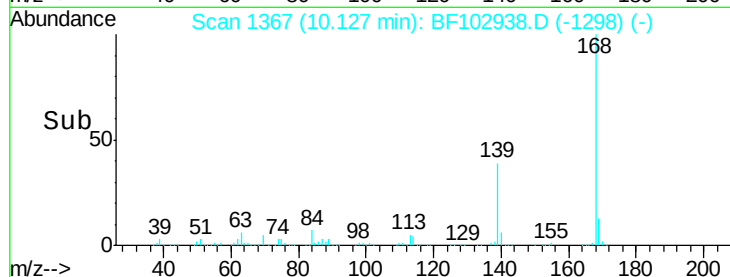
65 1.7 72.6 112.6#



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



#56

2,4-Dinitrotoluene

Concen: 3.38 ng

RT: 10.13 min Scan# 1367

Delta R.T. 0.02 min

Lab File: BF102938.D

Acq: 13 Feb 2018 00:06

Tgt Ion:165 Resp: 1698

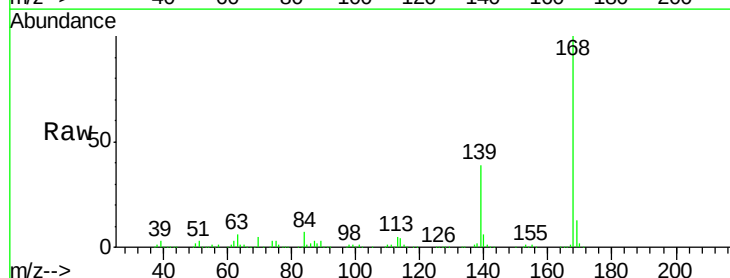
Ion Ratio Lower Upper

165 100

63 3923.5 36.4 54.6#

89 1933.1 57.8 86.6#

182 0.0 1.6 2.4#

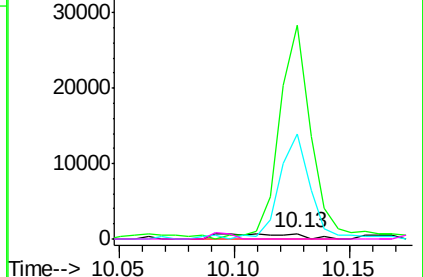
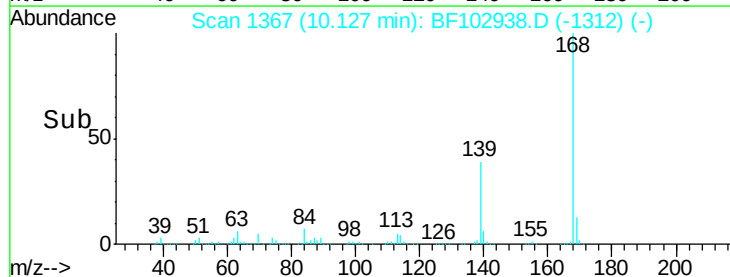


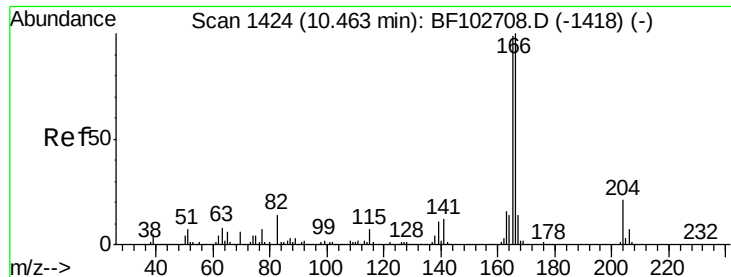
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

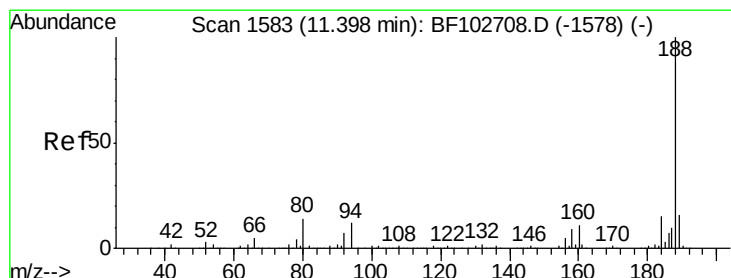
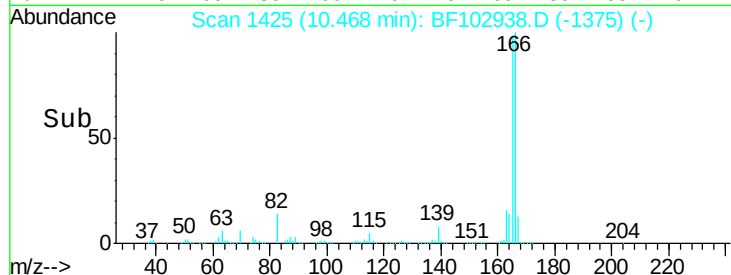
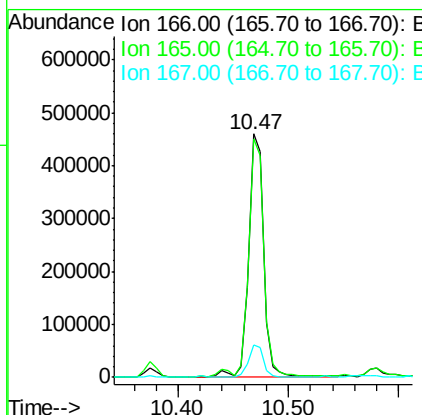
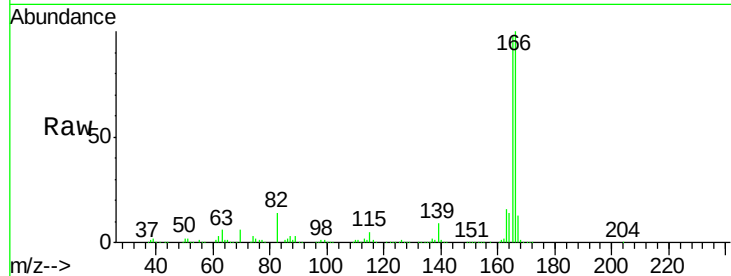




#57
 Fluorene
 Concen: 27.27 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: BF102938.D
 Acq: 13 Feb 2018 00:06

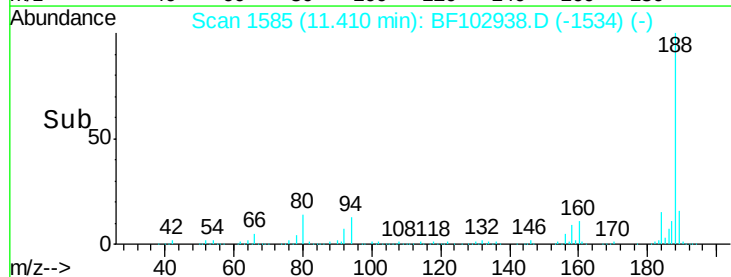
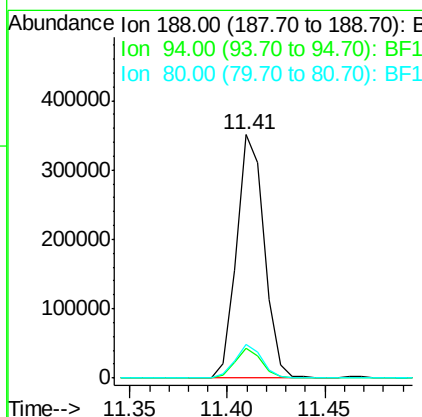
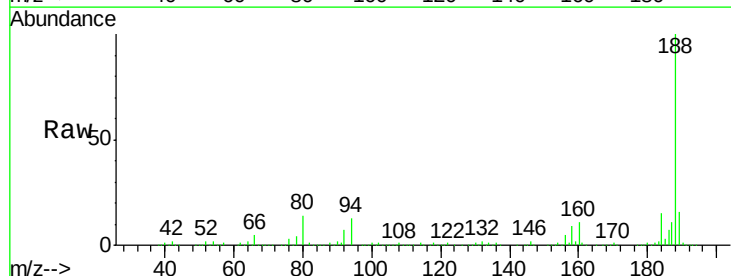
Instrument :
 BNA_F
 ClientSampleId :

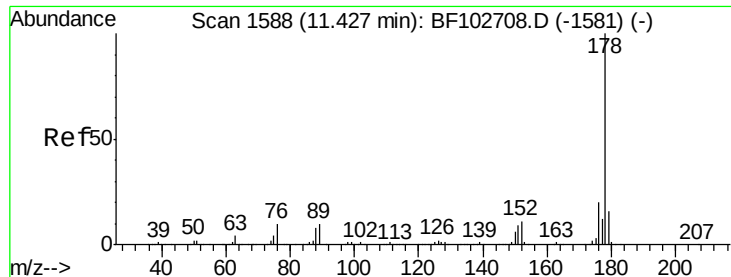
Tot Ion:166 Resp: 448078
 Ion Ratio Lower Upper
 166 100
 165 98.0 79.8 119.8
 167 13.4 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: BF102938.D
 Acq: 13 Feb 2018 00:06

Tgt Ion:188 Resp: 346389
 Ion Ratio Lower Upper
 188 100
 94 12.5 8.5 12.7
 80 13.8 9.2 13.8





#70

Phenanthrene

Concen: 75.00 ng

RT: 11.44 min Scan# 1590

Delta R.T. 0.01 min

Lab File: BF102938.D

Acq: 13 Feb 2018 00:06

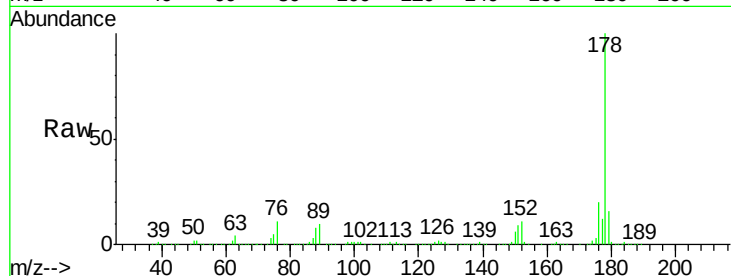
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 1446861

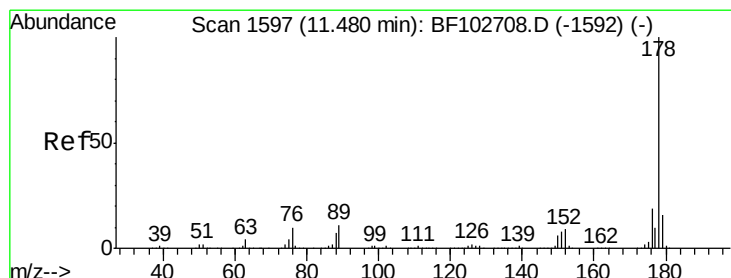
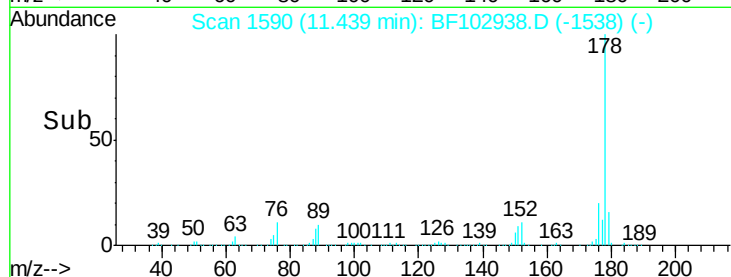
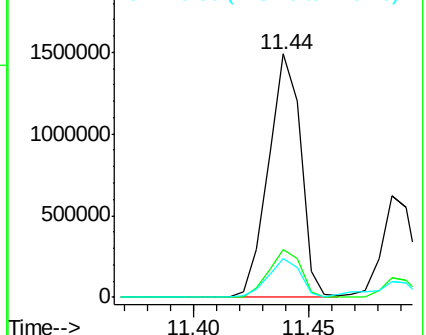
Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	15.9	13.0	19.6



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



#71

Anthracene

Concen: 29.83 ng

RT: 11.49 min Scan# 1598

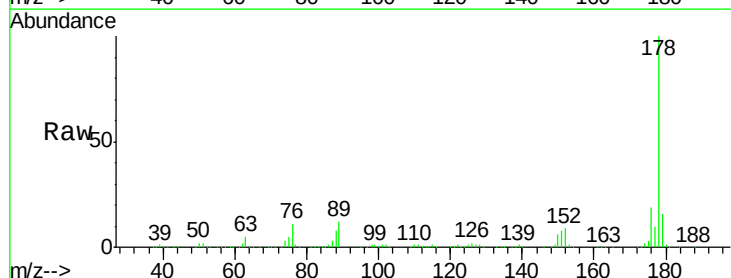
Delta R.T. -0.00 min

Lab File: BF102938.D

Acq: 13 Feb 2018 00:06

Tgt Ion:178 Resp: 585297

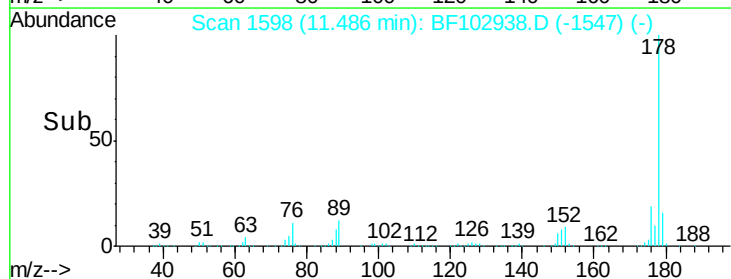
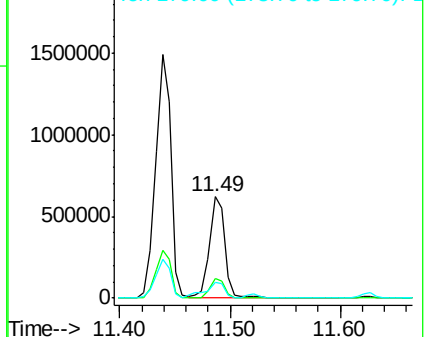
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.8	12.6	19.0

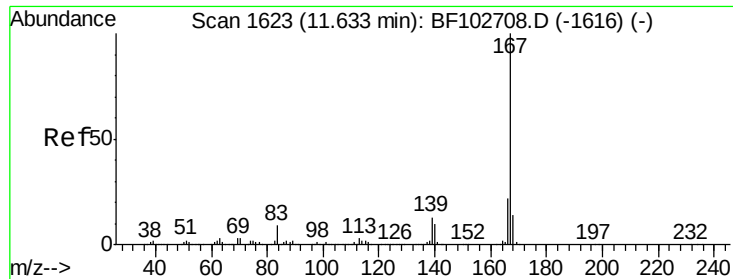


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

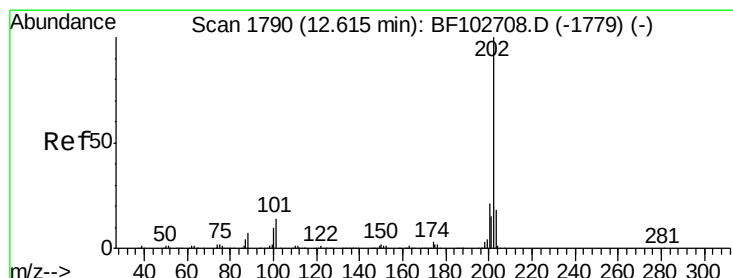
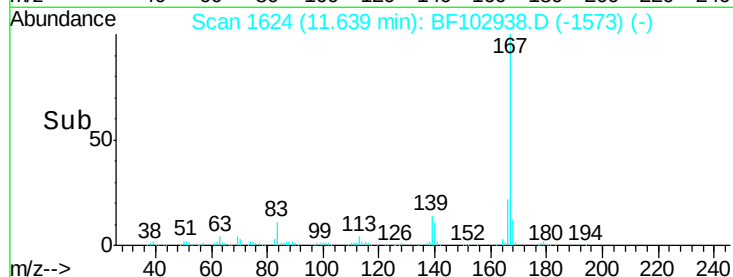
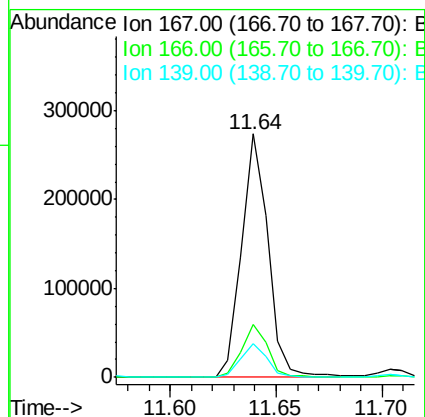
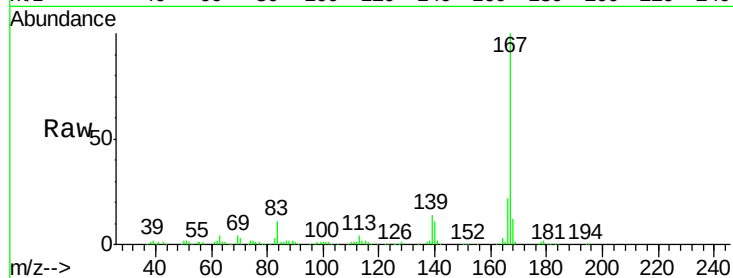




#72
 Carbazole
 Concen: 12.35 ng
 RT: 11.64 min Scan# 1624
 Delta R.T. -0.00 min
 Lab File: BF102938.D
 Acq: 13 Feb 2018 00:06

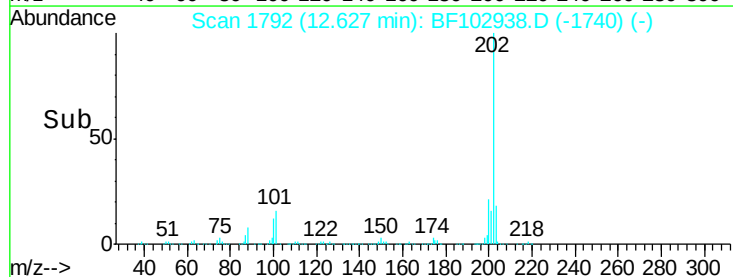
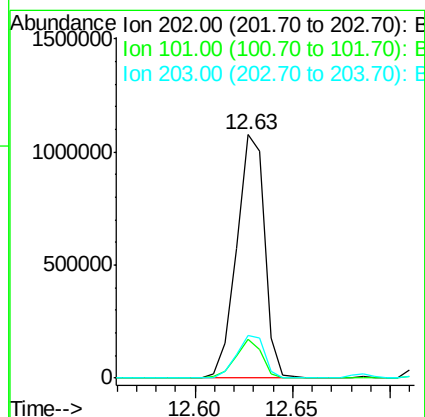
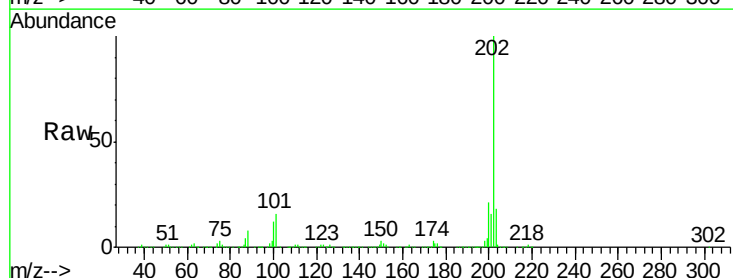
Instrument :
 BNA_F
 ClientSampleId :

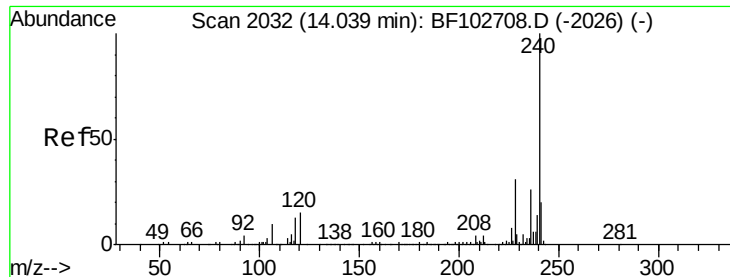
Tot Ion:167 Resp: 237417
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.6 26.4
 139 14.0 10.9 16.3



#74
 Fluoranthene
 Concen: 55.29 ng
 RT: 12.63 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: BF102938.D
 Acq: 13 Feb 2018 00:06

Tgt Ion:202 Resp: 1073127
 Ion Ratio Lower Upper
 202 100
 101 16.1 0.0 34.1
 203 17.8 0.0 38.1

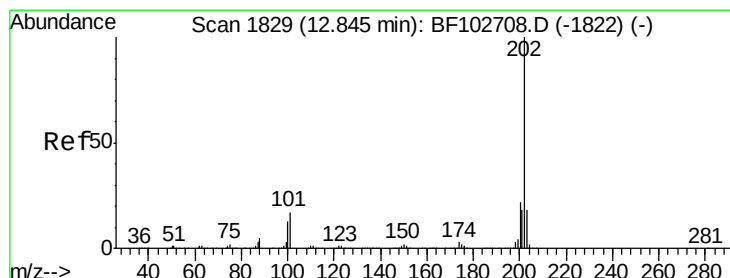
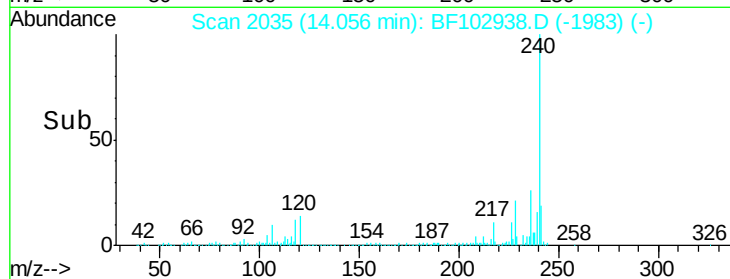
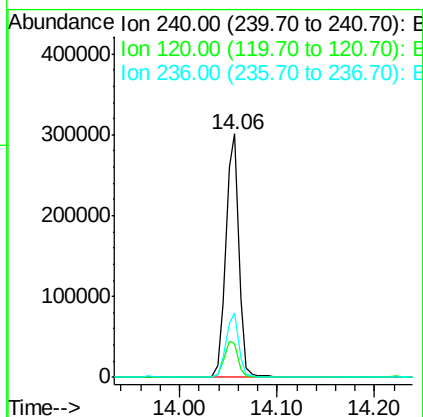
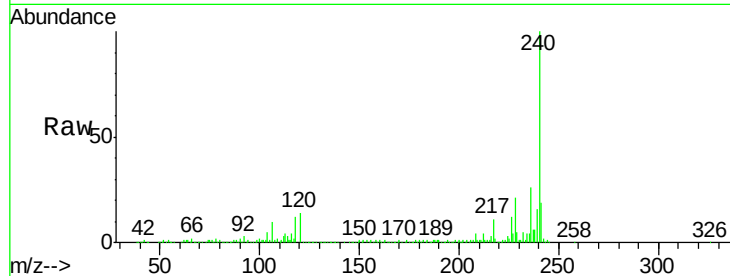




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.01 min
Lab File: BF102938.D
Acq: 13 Feb 2018 00:06

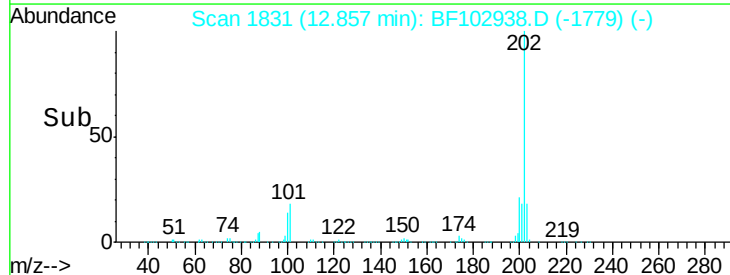
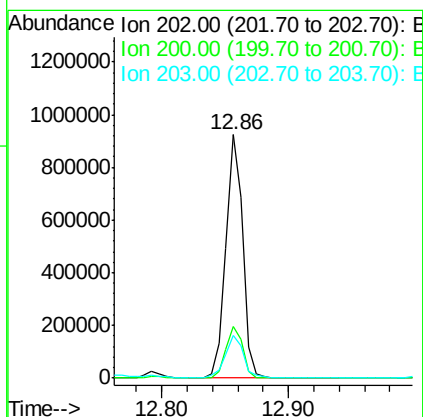
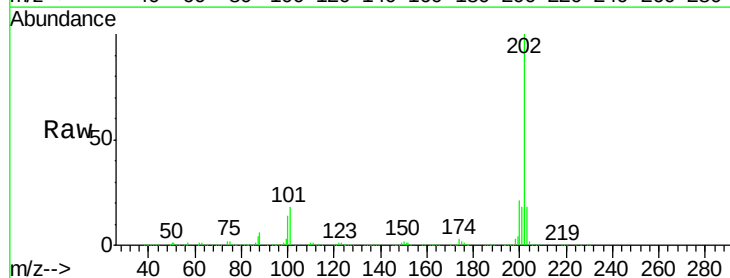
Instrument :
BNA_F
ClientSampleId :

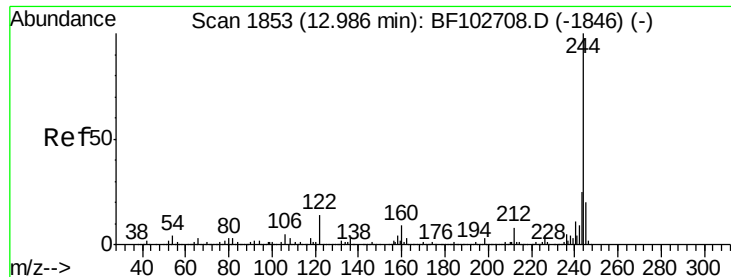
Tot Ion:240 Resp: 280312
Ion Ratio Lower Upper
240 100
120 13.9 9.5 14.3
236 26.5 20.7 31.1



#77
Pyrene
Concen: 38.50 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.01 min
Lab File: BF102938.D
Acq: 13 Feb 2018 00:06

Tgt Ion:202 Resp: 846365
Ion Ratio Lower Upper
202 100
200 21.3 17.4 26.2
203 17.7 14.3 21.5

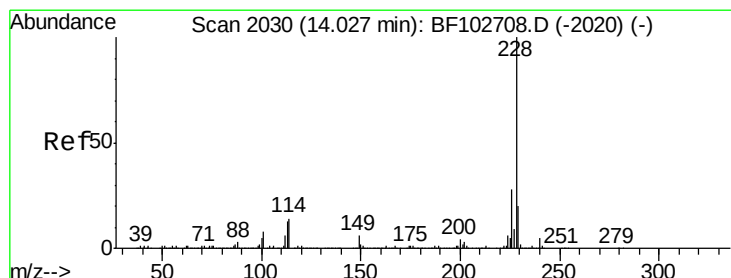
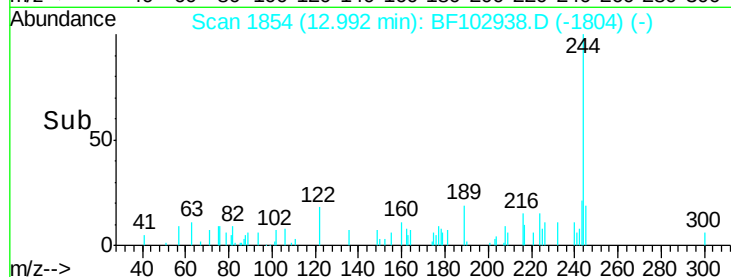
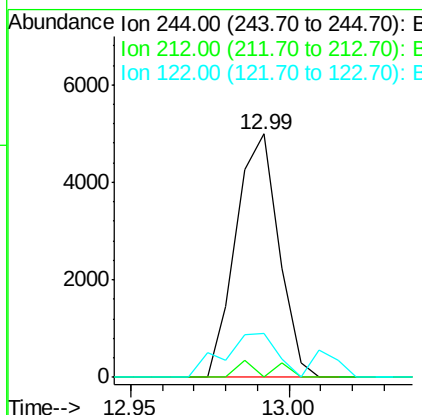
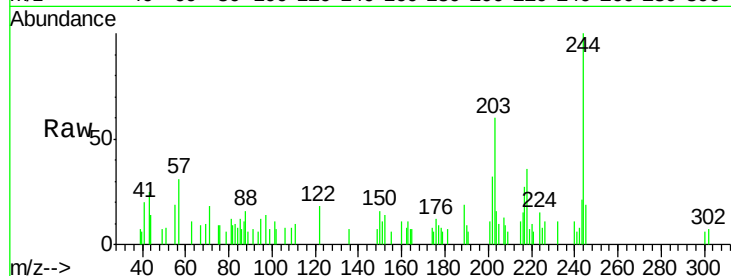




#78
 Terphenyl-d14
 Concen: 0.40 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF102938.D
 Acq: 13 Feb 2018 00:06

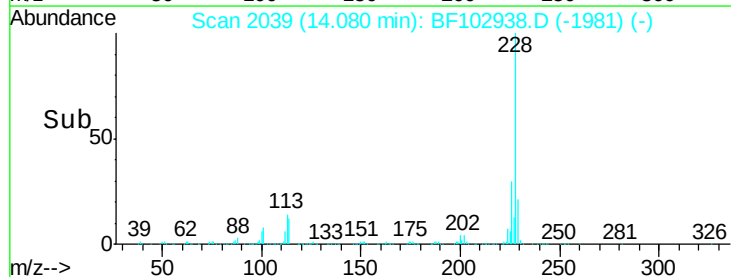
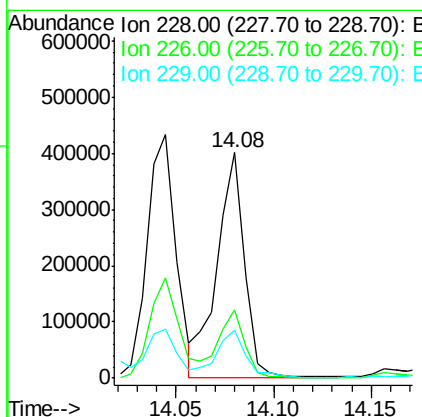
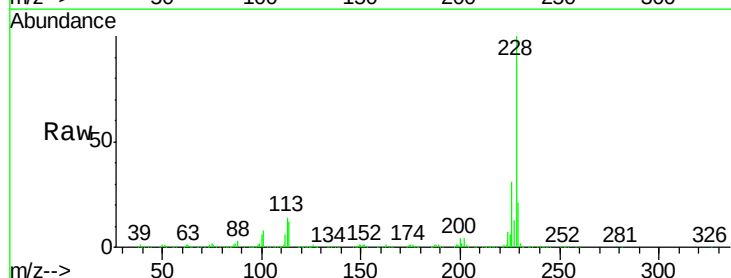
Instrument :
 BNA_F
 ClientSampleId :

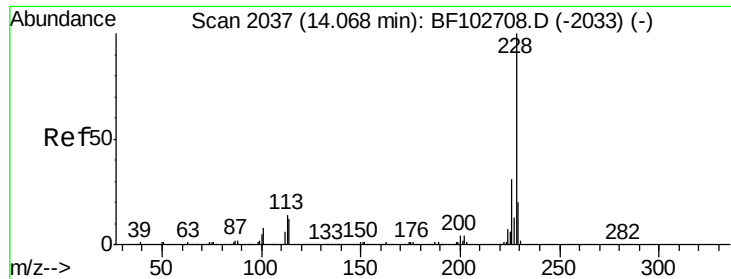
Tot Ion:244 Resp: 4679
 Ion Ratio Lower Upper
 244 100
 212 0.0 5.4 8.0#
 122 17.8 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 22.08 ng
 RT: 14.08 min Scan# 2039
 Delta R.T. 0.04 min
 Lab File: BF102938.D
 Acq: 13 Feb 2018 00:06

Tgt Ion:228 Resp: 389332
 Ion Ratio Lower Upper
 228 100
 226 30.5 22.6 33.8
 229 21.2 15.8 23.6

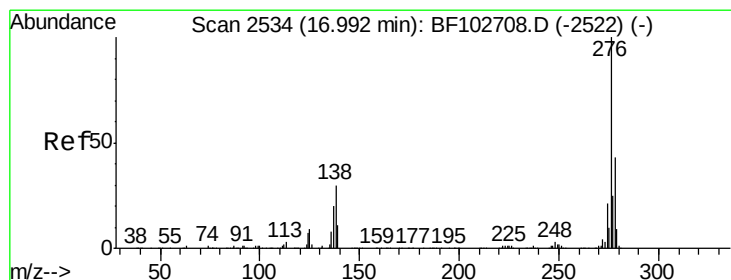
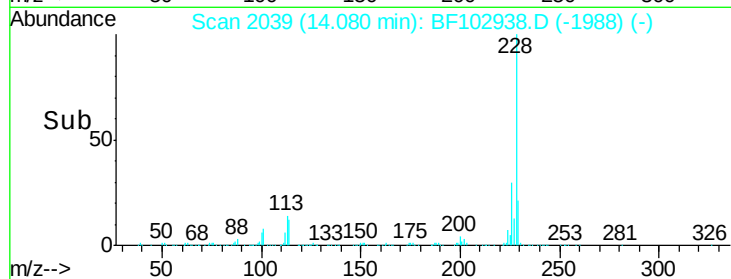
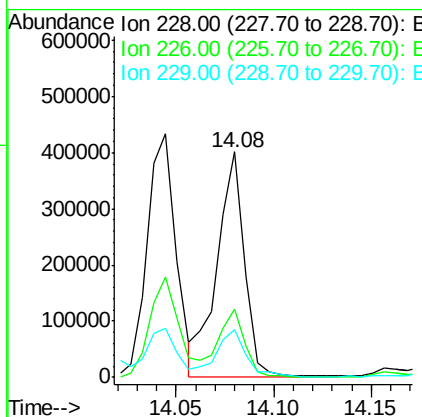
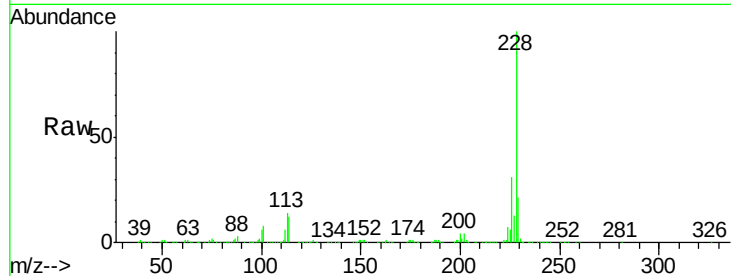




#82
 Chrysene
 Concen: 21.91 ng
 RT: 14.08 min Scan# 2039
 Delta R.T. -0.00 min
 Lab File: BF102938.D
 Acq: 13 Feb 2018 00:06

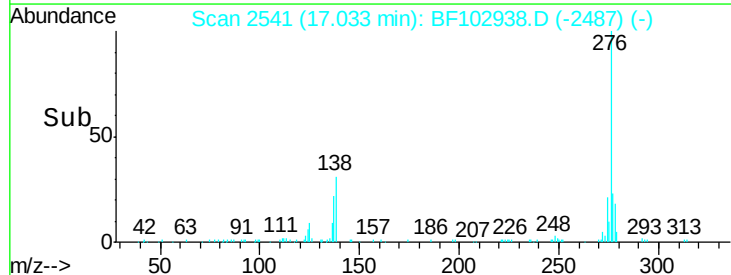
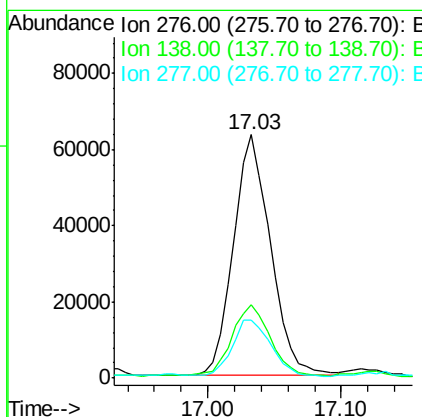
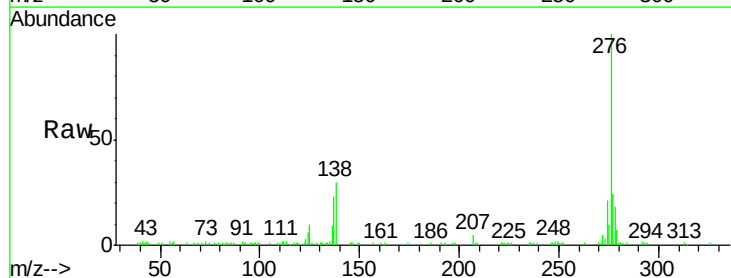
Instrument :
 BNA_F
 ClientSampled :

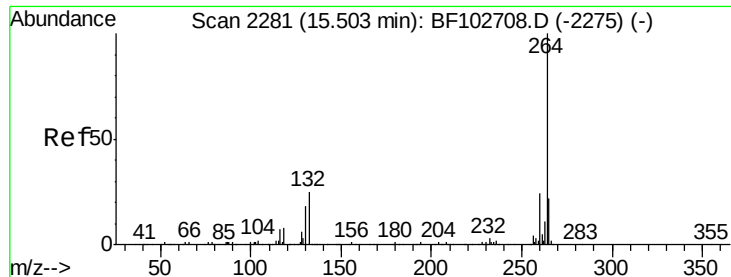
Tot Ion:	228	Resp:	389275
Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	21.2	16.2	24.4



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.27 ng
 RT: 17.03 min Scan# 2541
 Delta R.T. 0.02 min
 Lab File: BF102938.D
 Acq: 13 Feb 2018 00:06

Tgt Ion:	276	Resp:	121850
Ion	Ratio	Lower	Upper
276	100		
138	30.4	25.0	37.6
277	24.7	20.1	30.1

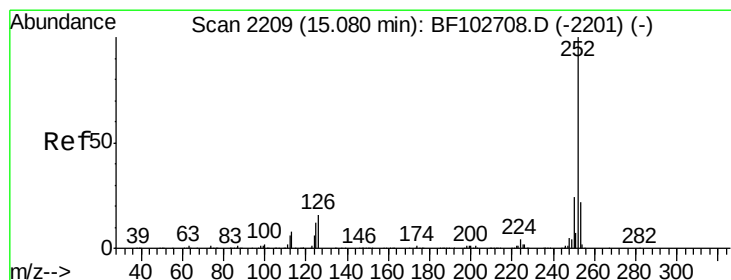
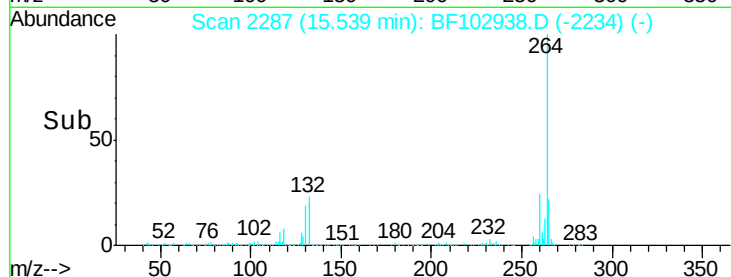
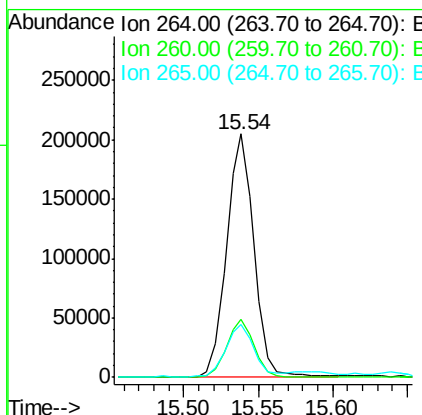
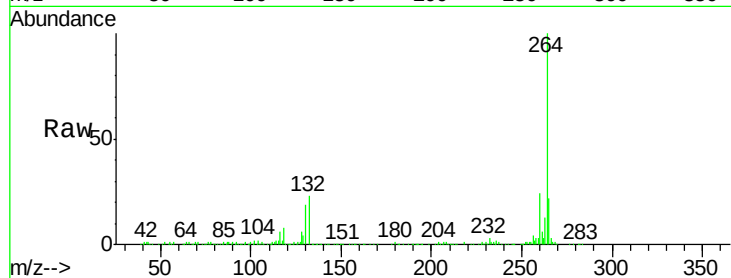




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.01 min
Lab File: BF102938.D
Acq: 13 Feb 2018 00:06

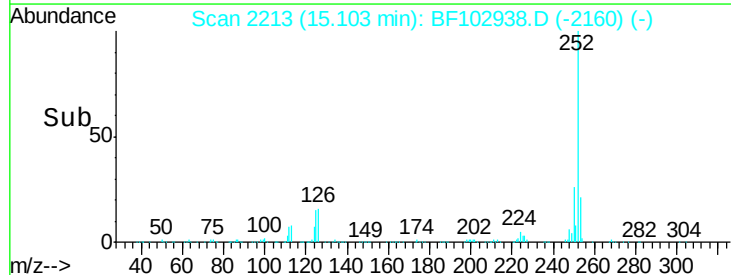
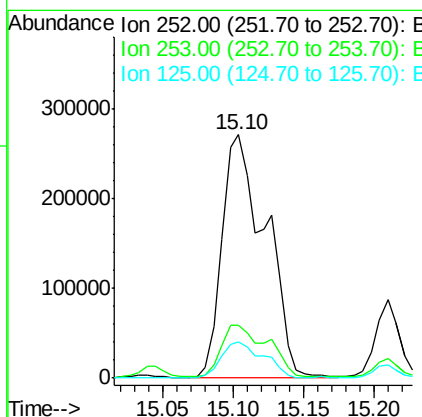
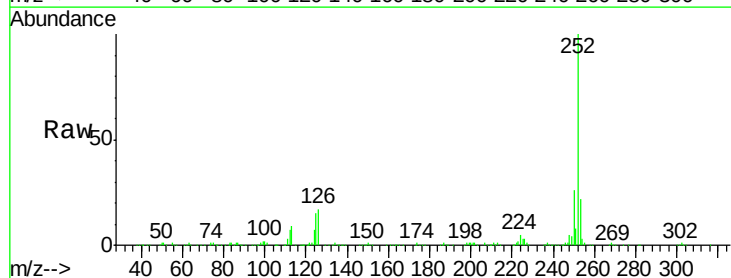
Instrument :
BNA_F
ClientSampleId :

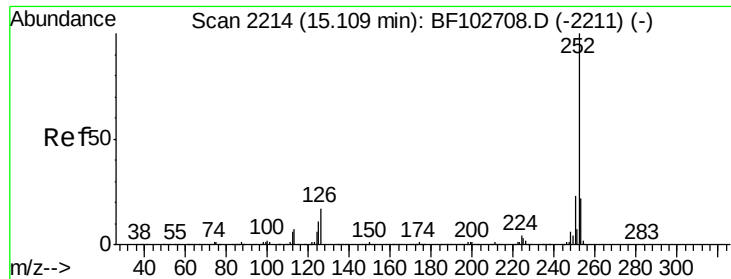
Tot Ion:264 Resp: 264422
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 21.9 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 34.18 ng
RT: 15.10 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF102938.D
Acq: 13 Feb 2018 00:06

Tgt Ion:252 Resp: 585934
Ion Ratio Lower Upper
252 100
253 21.8 17.0 25.6
125 14.8 9.0 13.6#

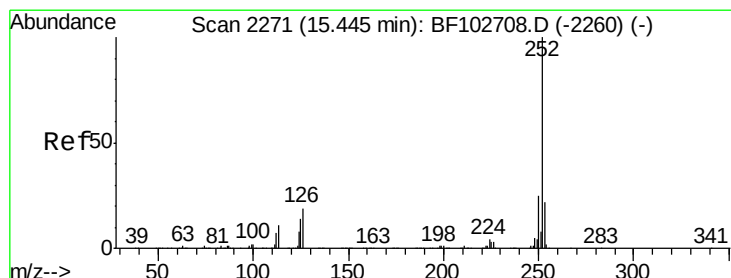
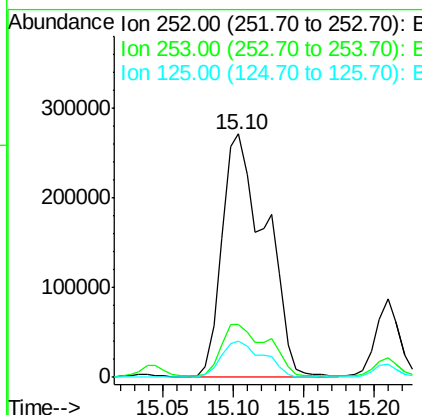
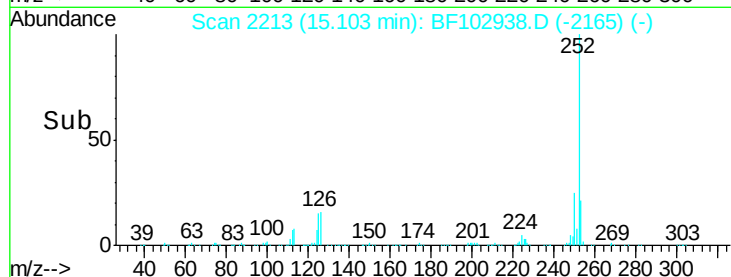
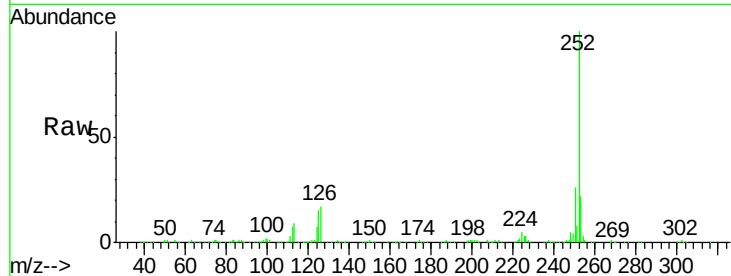




#88
Benzo(k)fluoranthene
Concen: 35.77 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.02 min
Lab File: BF102938.D
Acq: 13 Feb 2018 00:06

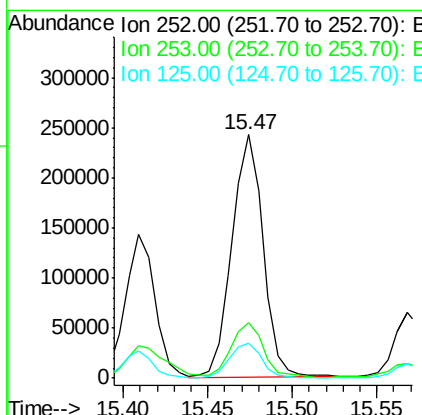
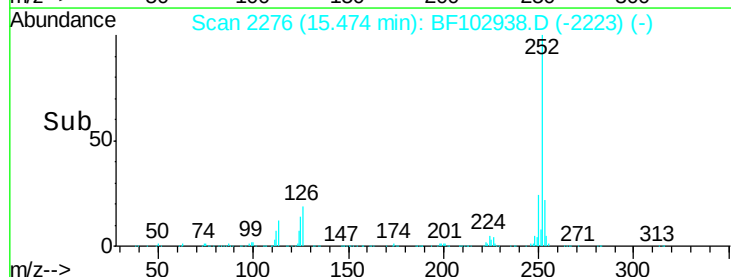
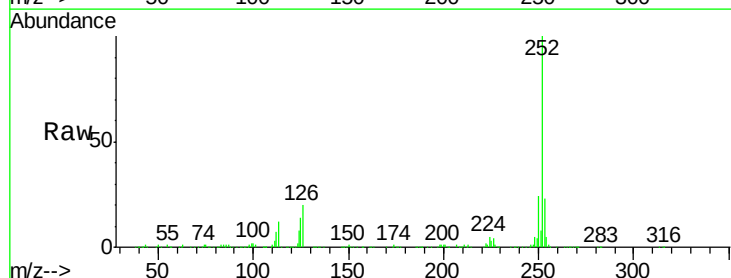
Instrument :
BNA_F
ClientSampleId :

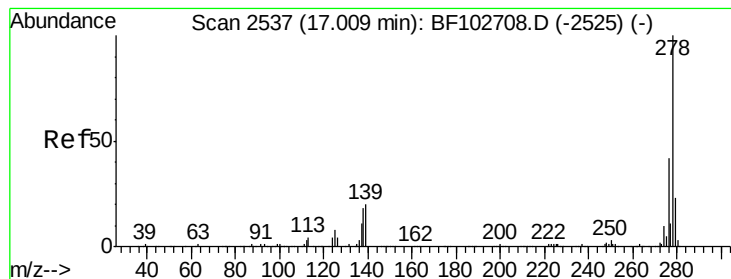
Tot Ion:252 Resp: 585934
Ion Ratio Lower Upper
252 100
253 21.8 17.9 26.9
125 14.8 10.2 15.2



#89
Benzo(a)pyrene
Concen: 20.19 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.01 min
Lab File: BF102938.D
Acq: 13 Feb 2018 00:06

Tgt Ion:252 Resp: 311568
Ion Ratio Lower Upper
252 100
253 22.7 17.1 25.7
125 14.3 9.8 14.6





#90

Dibenzo(a,h)anthracene

Concen: 2.20 ng

RT: 17.22 min Scan# 2572

Delta R.T. 0.18 min

Lab File: BF102938.D

Acq: 13 Feb 2018 00:06

Instrument :

BNA_F

ClientSampleId :

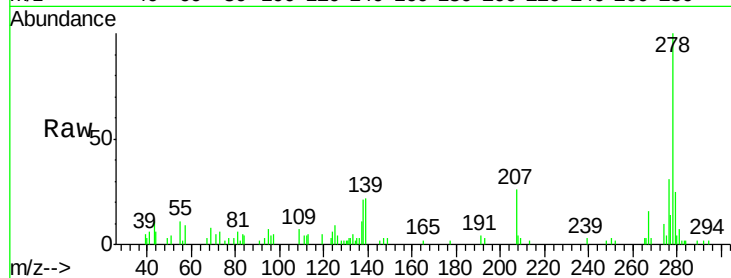
Tot Ion:278 Resp: 27544

Ion Ratio Lower Upper

278 100

139 22.4 15.9 23.9

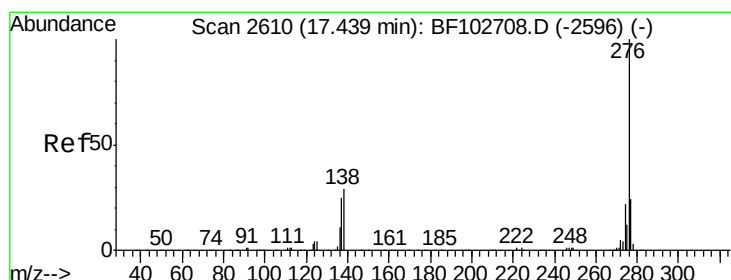
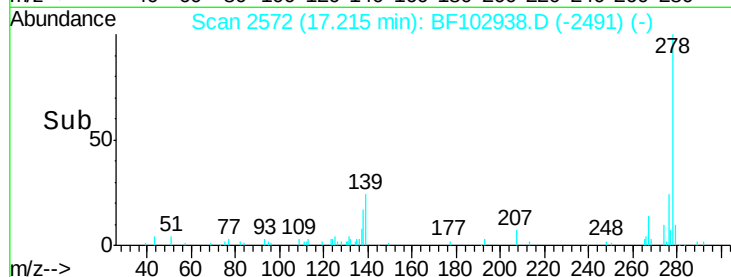
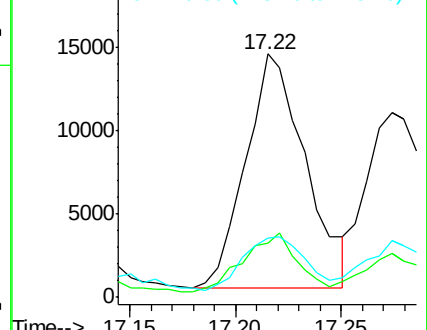
279 24.6 19.0 28.4



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



#91

Benzo(g,h,i)perylene

Concen: 8.44 ng

RT: 17.49 min Scan# 2619

Delta R.T. 0.02 min

Lab File: BF102938.D

Acq: 13 Feb 2018 00:06

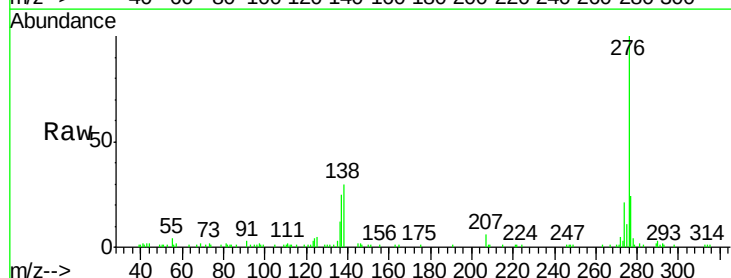
Tgt Ion:276 Resp: 103498

Ion Ratio Lower Upper

276 100

277 24.1 17.9 26.9

138 30.0 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

