

Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
 Data File : BF102763.D
 Acq On : 6 Feb 2018 3:31
 Operator : SJ/JU
 Sample : J1447-06 20X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 06 05:05:08 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	214654	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	859811	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	362944	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	541766	20.00	ng	0.00
75) Chrysene-d12	14.04	240	325474	20.00	ng	0.00
86) Perylene-d12	15.53	264	318028	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.48	112	81658	5.78	ng	-0.01
7) Phenol-d6	6.49	99	98469	5.79	ng	-0.02
23) Nitrobenzene-d5	7.43	82	56001	4.52	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	15740	5.39	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	117077	5.35	ng	-0.01
78) Terphenyl-d14	12.99	244	71604	5.21	ng	-0.01

Target Compounds

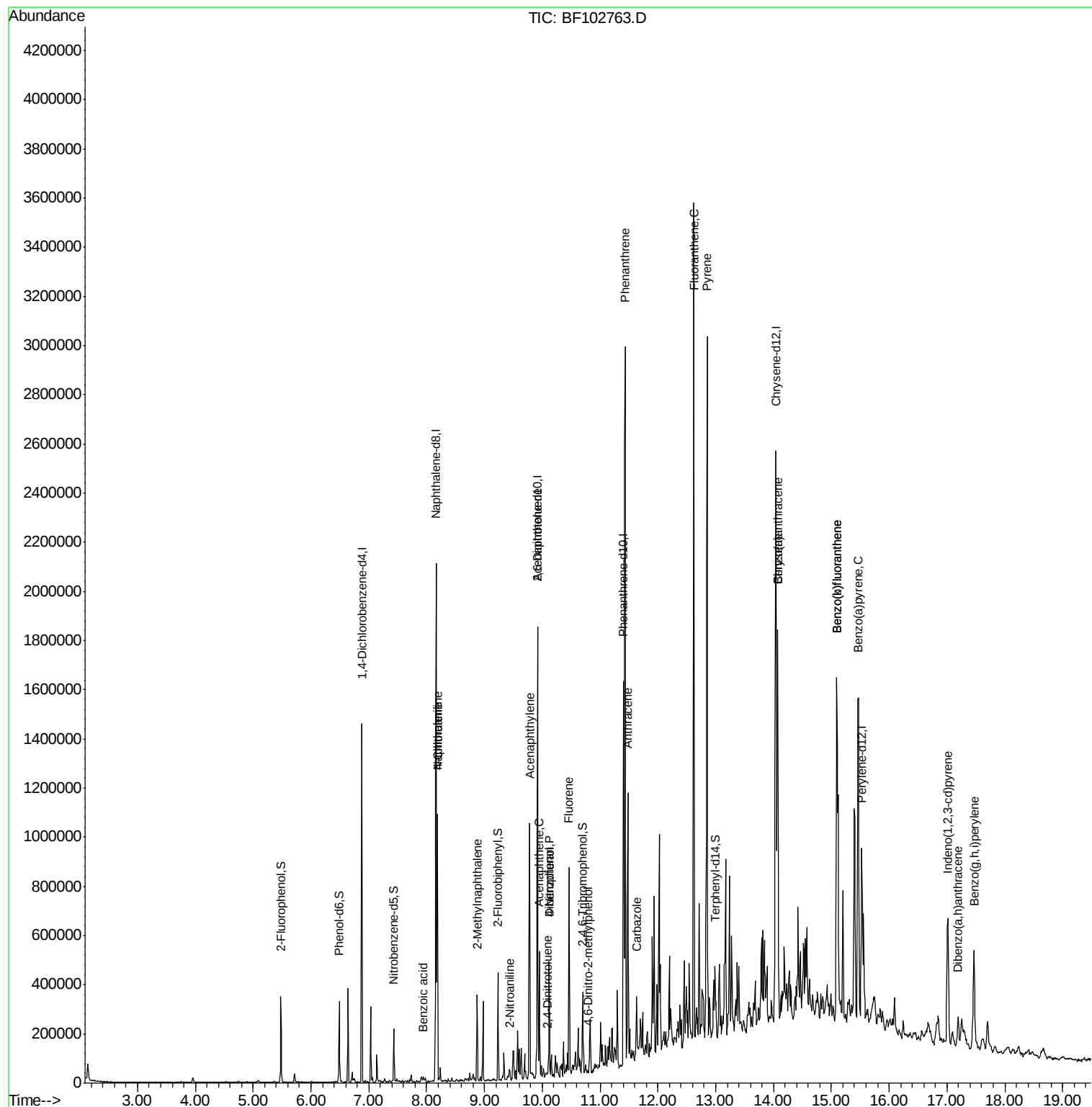
						Qvalue
24) Nitrobenzene	7.48	77	417	Below Cal	#	38
31) Naphthalene	8.19	128	473860	11.280	ng	99
32) Benzoic acid	7.93	122	1134	8.672	ng	35
33) 4-Chloroaniline	8.19	127	61098	3.376	ng	33
37) 2-Methylnaphthalene	8.87	142	83142	3.023	ng	99
47) 2-Nitroaniline	9.45	65	227	3.501	ng	2
48) Acenaphthylene	9.78	152	449651	12.029	ng	99
50) 2,6-Dinitrotoluene	9.92	165	50756	9.427	ng	25
51) Acenaphthene	9.95	154	98726	4.416	ng	98
54) Dibenzofuran	10.12	168	153360	4.868	ng	99
55) 4-Nitrophenol	10.12	139	58500	14.229	ng	10
56) 2,4-Dinitrotoluene	10.09	165	1974	3.331	ng	78
57) Fluorene	10.46	166	227957	9.945	ng	100
64) 4,6-Dinitro-2-methylphenol	10.78	198	149	8.853	ng	1
70) Phenanthrene	11.43	178	1084014	35.927	ng	99
71) Anthracene	11.48	178	366582	11.945	ng	97
72) Carbazole	11.63	167	89726	2.984	ng	98
74) Fluoranthene	12.62	202	1328597	43.765	ng	99
77) Pyrene	12.85	202	1201026	47.058	ng	99
80) Benzo(a)anthracene	14.07	228	626457	30.605	ng	96
82) Chrysene	14.07	228	626457	30.360	ng	98
85) Indeno(1,2,3-cd)pyrene	17.02	276	332529	19.431	ng	95
87) Benzo(b)fluoranthene	15.09	252	1186462	57.542	ng	95
88) Benzo(k)fluoranthene	15.09	252	1186462	60.223	ng	98
89) Benzo(a)pyrene	15.47	252	656080	35.350	ng	97
90) Dibenzo(a,h)anthracene	17.19	278	80199	5.324	ng	94
91) Benzo(g,h,i)perylene	17.47	276	314180	21.308	ng	97

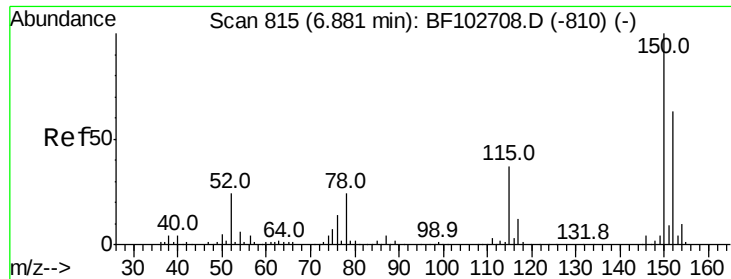
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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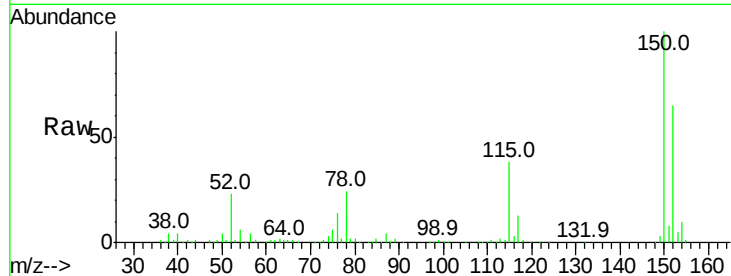


#1

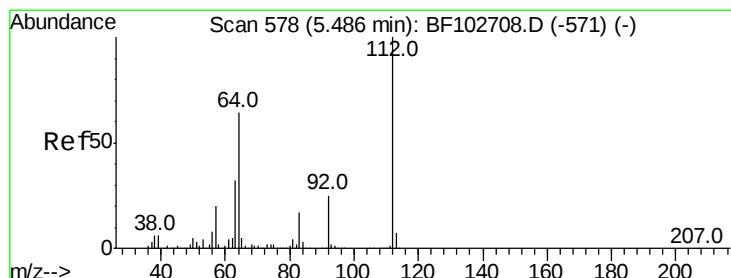
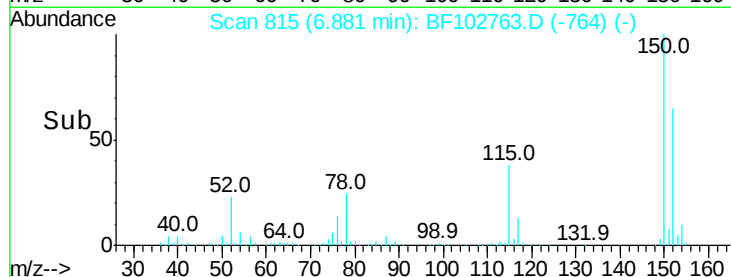
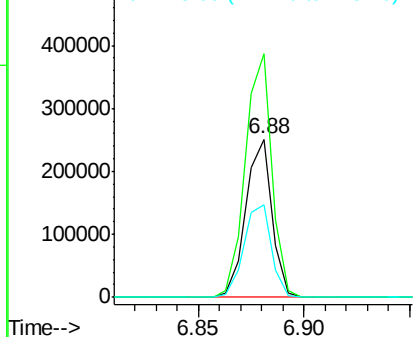
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF102763.D
Acq: 6 Feb 2018 3:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 214654
Ion Ratio Lower Upper
152 100
150 154.2 124.6 186.8
115 59.0 50.1 75.1



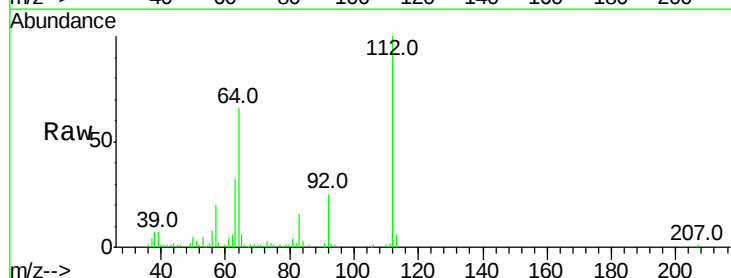
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



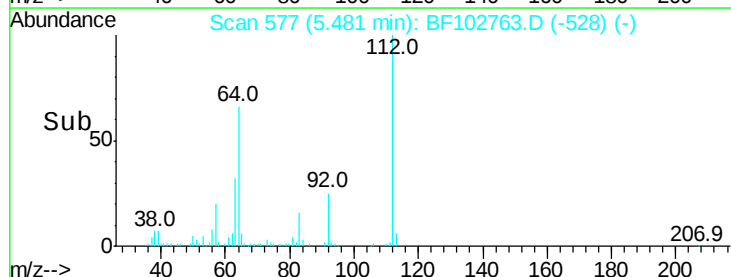
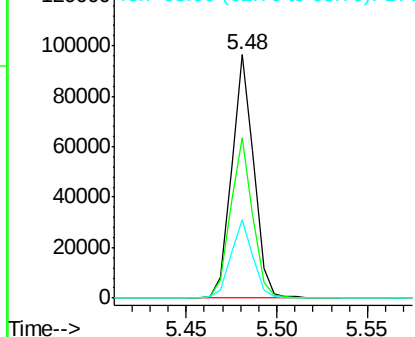
#5

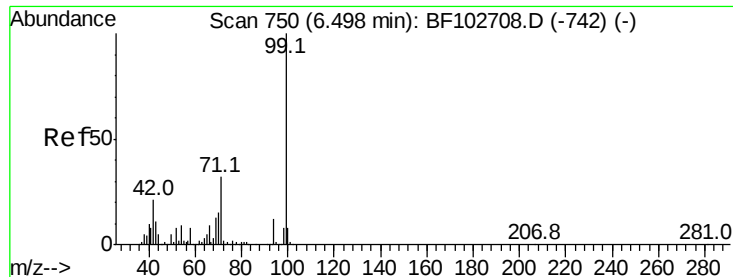
2-Fluorophenol
Concen: 5.777 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.01 min
Lab File: BF102763.D
Acq: 6 Feb 2018 3:31

Tgt Ion:112 Resp: 81658
Ion Ratio Lower Upper
112 100
64 65.7 47.9 71.9
63 32.1 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: 5.786 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF102763.D

Acq: 6 Feb 2018 3:31

Instrument :

BNA_F

ClientSampleId :

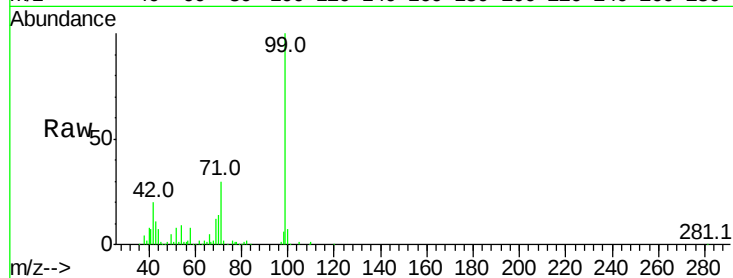
Tot Ion: 99 Resp: 98469

Ion Ratio Lower Upper

99 100

42 20.1 14.5 21.7

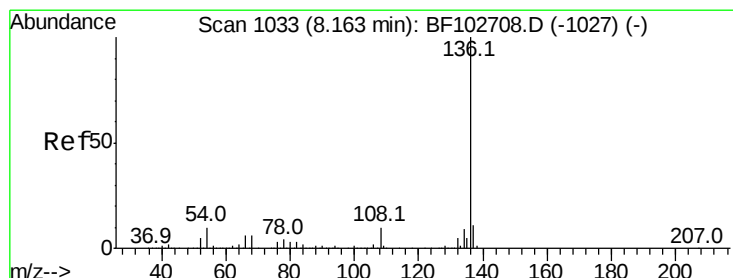
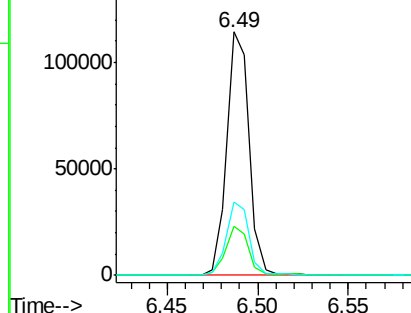
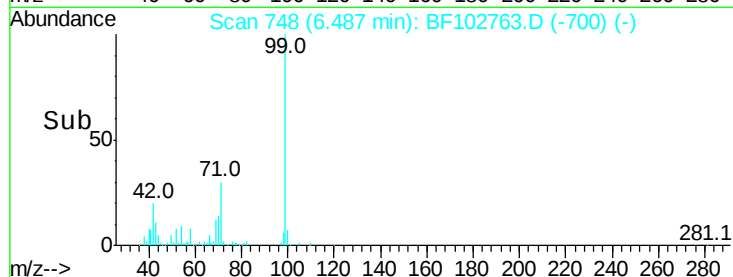
71 30.3 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF102763.D

Acq: 6 Feb 2018 3:31

Tgt Ion: 136 Resp: 859811

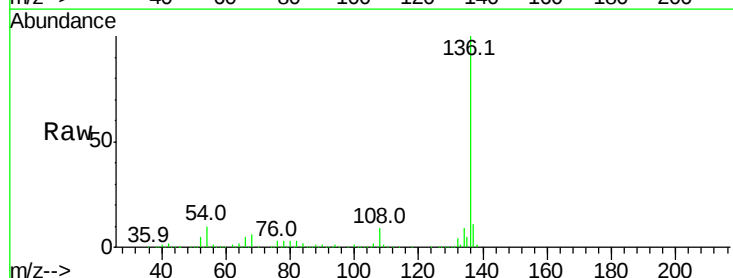
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 9.9 6.6 9.8#

68 6.5 5.0 7.4

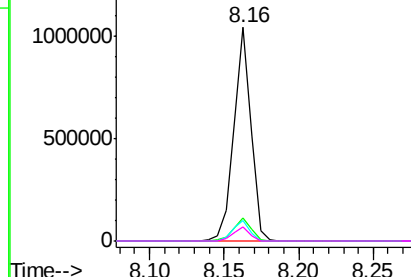
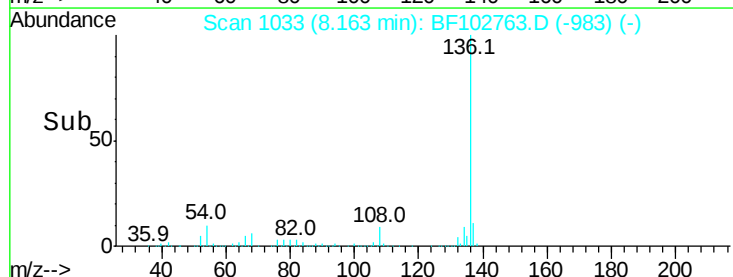


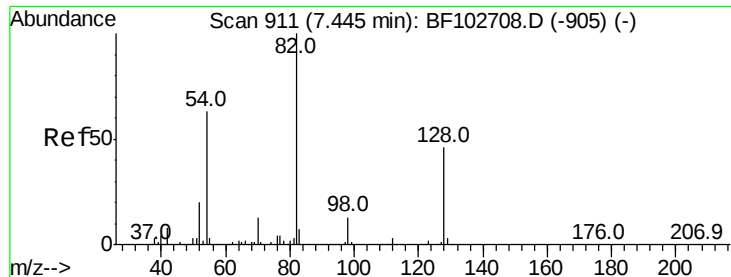
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

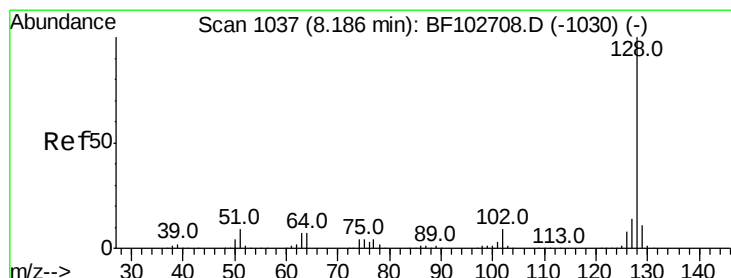
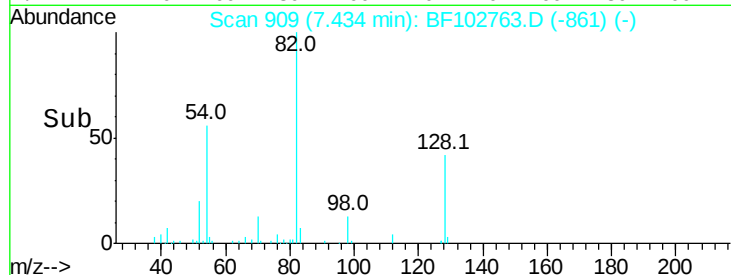
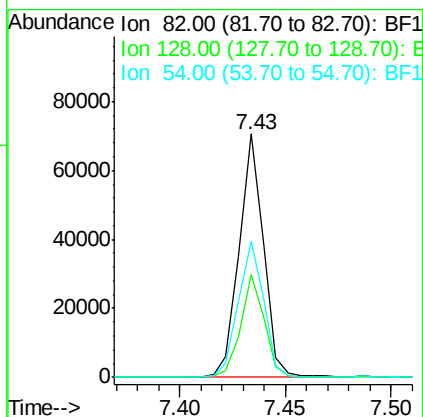
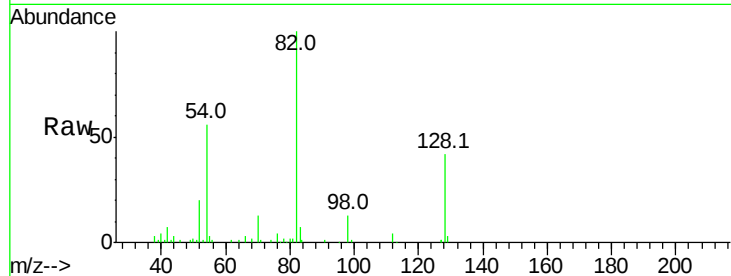




#23
Nitrobenzene-d5
Concen: 4.518 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF102763.D
Acq: 6 Feb 2018 3:31

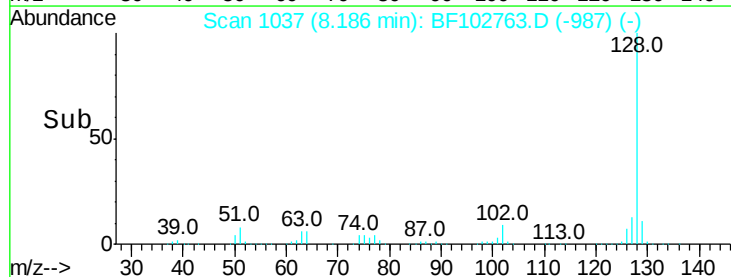
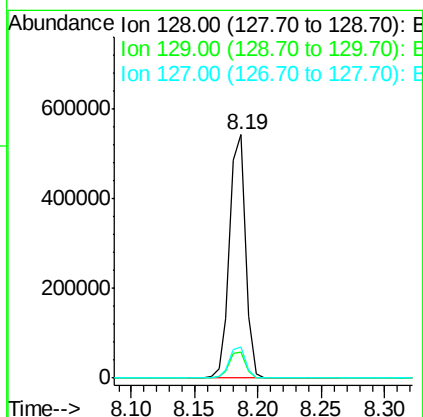
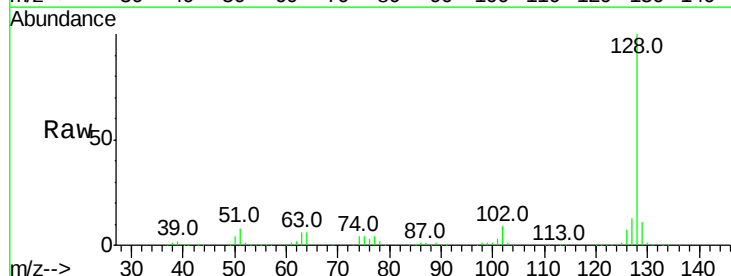
Instrument :
BNA_F
ClientSampled :

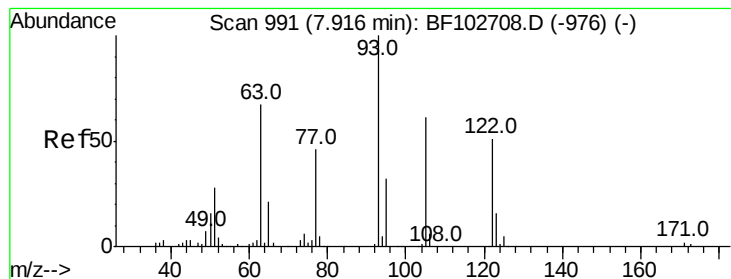
Tot Ion: 82 Resp: 56001
Ion Ratio Lower Upper
82 100
128 42.5 36.1 54.1
54 56.1 41.4 62.2



#31
Naphthalene
Concen: 11.280 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF102763.D
Acq: 6 Feb 2018 3:31

Tgt Ion: 128 Resp: 473860
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 12.8 10.9 16.3





#32

Benzoic acid

Concen: 8.672 ng

RT: 7.93 min Scan# 994

Delta R.T. 0.00 min

Lab File: BF102763.D

Acq: 6 Feb 2018 3:31

Instrument :

BNA_F

ClientSampled :

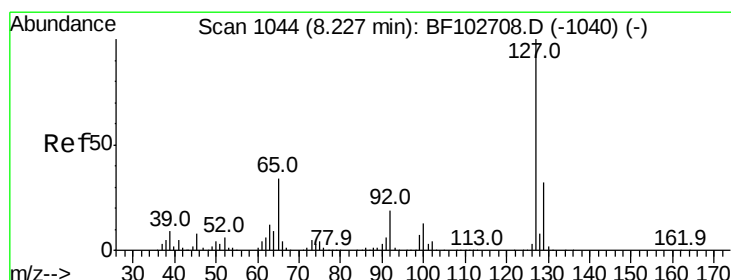
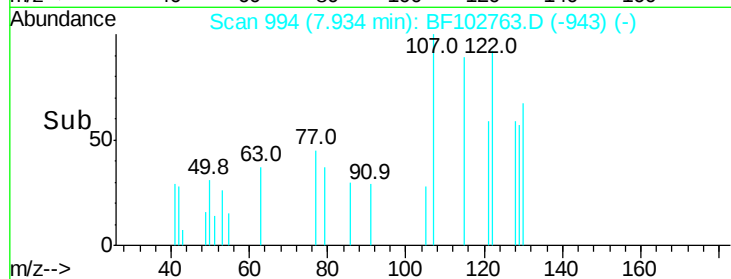
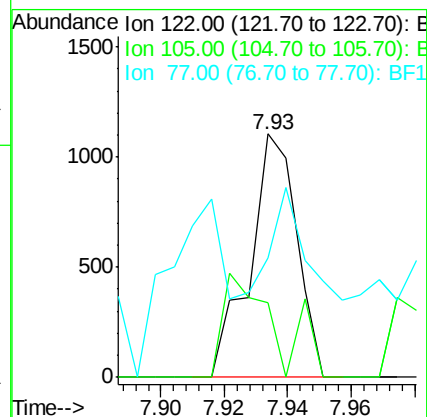
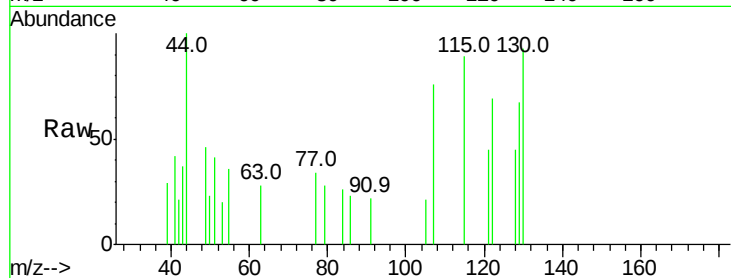
Tot Ion:122 Resp: 1134

Ion Ratio Lower Upper

122 100

105 30.5 101.1 141.1#

77 49.0 70.7 110.7#



#33

4-Chloroaniline

Concen: 3.376 ng

RT: 8.19 min Scan# 1037

Delta R.T. -0.05 min

Lab File: BF102763.D

Acq: 6 Feb 2018 3:31

Tgt Ion:127 Resp: 61098

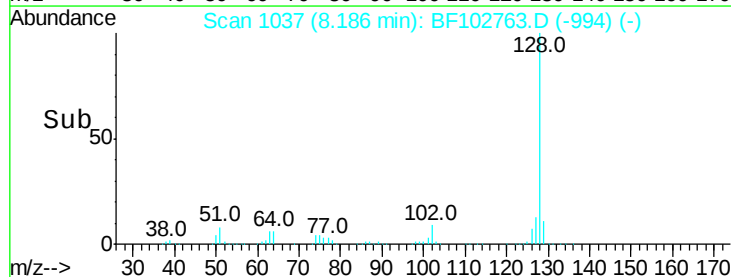
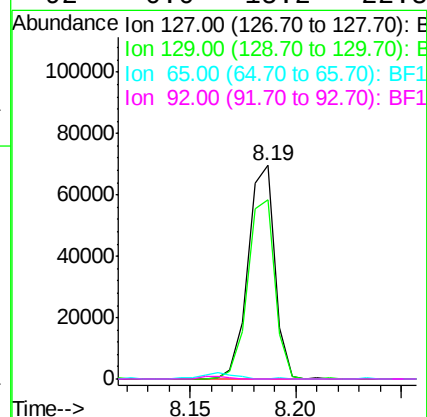
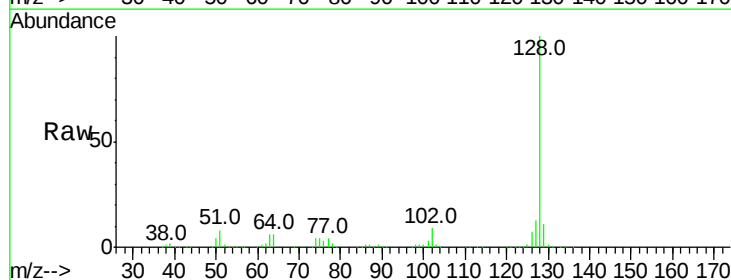
Ion Ratio Lower Upper

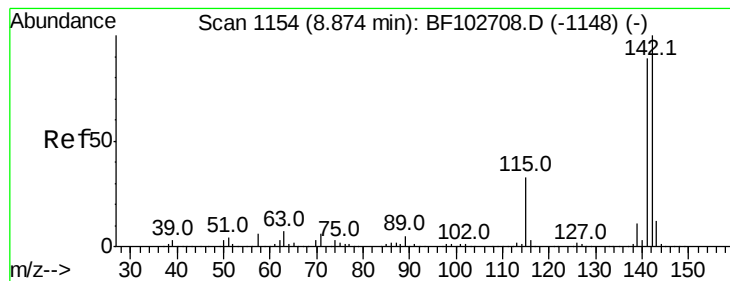
127 100

129 84.0 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#





#37

2-Methylnaphthalene

Concen: 3.023 ng

RT: 8.87 min Scan# 1154

Delta R.T. -0.01 min

Lab File: BF102763.D

Acq: 6 Feb 2018 3:31

Instrument :

BNA_F

ClientSampleId :

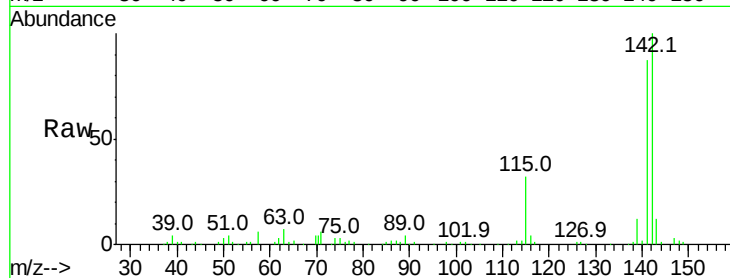
Tot Ion:142 Resp: 83142

Ion Ratio Lower Upper

142 100

141 87.4 70.8 106.2

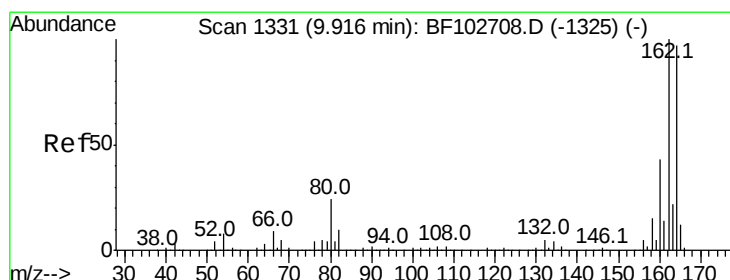
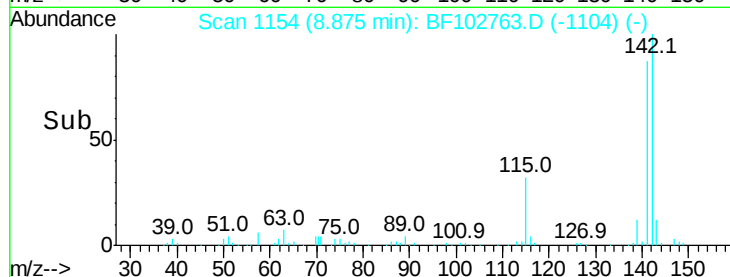
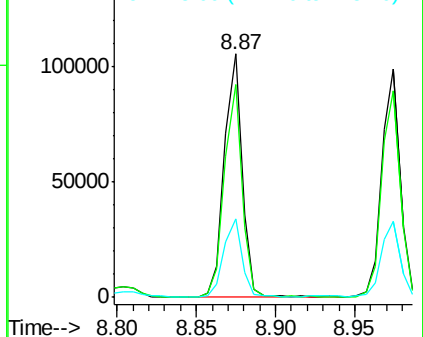
115 32.4 26.1 39.1



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: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF102763.D

Acq: 6 Feb 2018 3:31

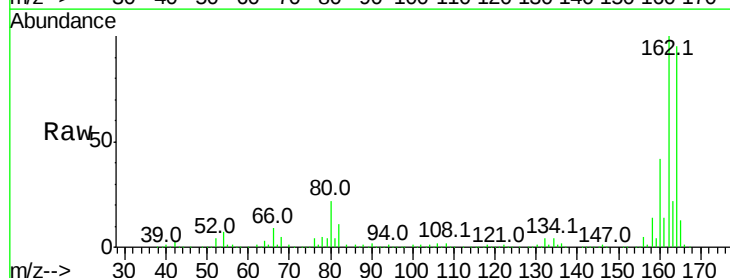
Tgt Ion:164 Resp: 362944

Ion Ratio Lower Upper

164 100

162 104.9 86.1 129.1

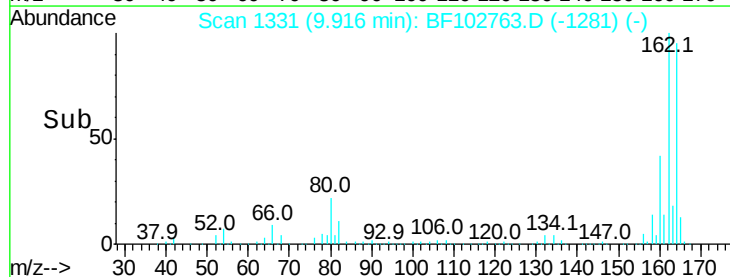
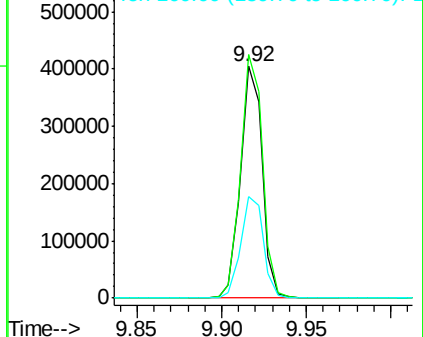
160 44.0 38.3 57.5

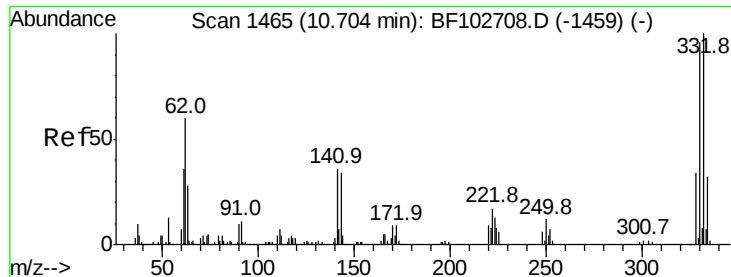


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

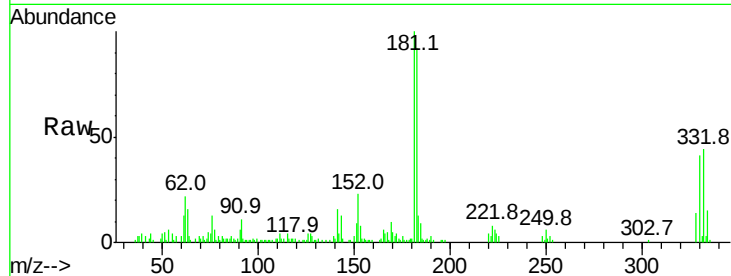




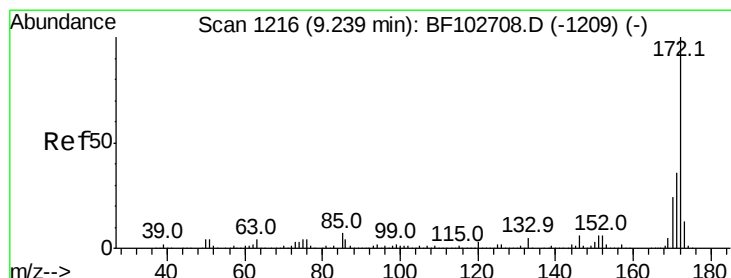
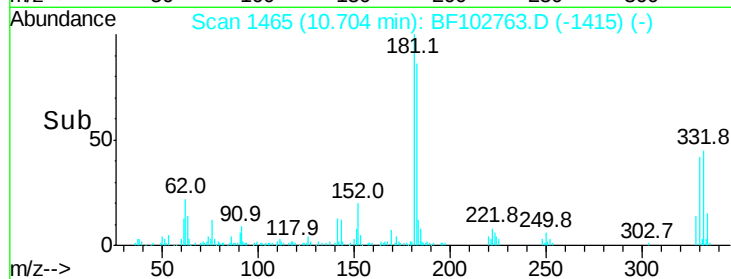
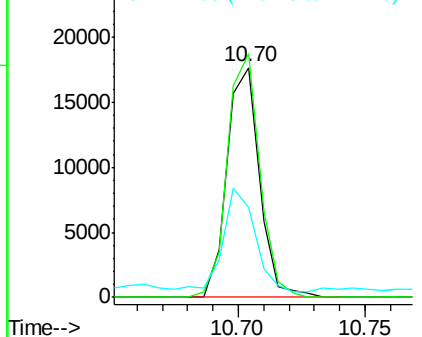
#41
 2,4,6-Tribromophenol
 Concen: 5.388 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF102763.D
 Acq: 6 Feb 2018 3:31

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 15740
 Ion Ratio Lower Upper
 330 100
 332 105.7 77.0 115.6
 141 43.8 29.9 44.9

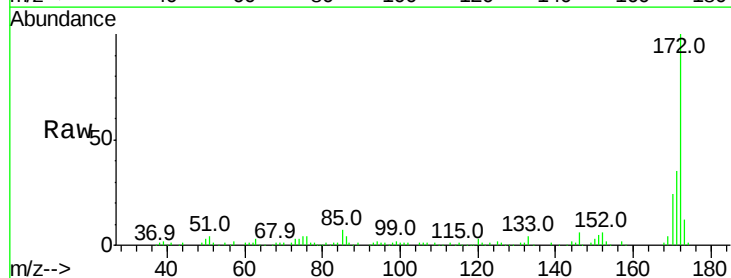


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

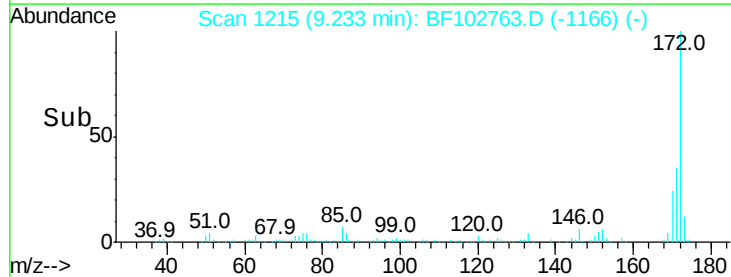
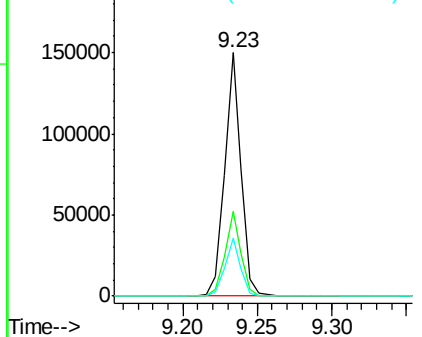


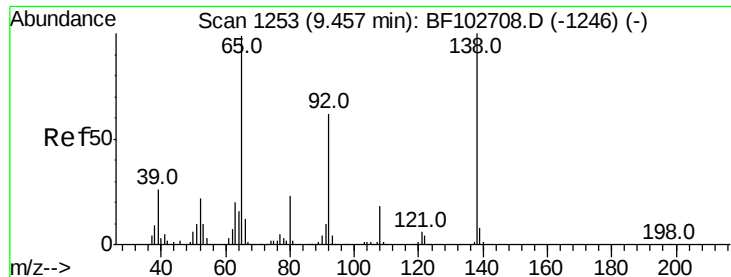
#44
 2-Fluorobiphenyl
 Concen: 5.353 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF102763.D
 Acq: 6 Feb 2018 3:31

Tgt Ion:172 Resp: 117077
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.7 44.5
 170 24.0 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





#47

2-Nitroaniline

Concen: 3.501 ng

RT: 9.45 min Scan# 1251

Delta R.T. -0.02 min

Lab File: BF102763.D

Acq: 6 Feb 2018 3:31

Instrument :

BNA_F

ClientSampleId :

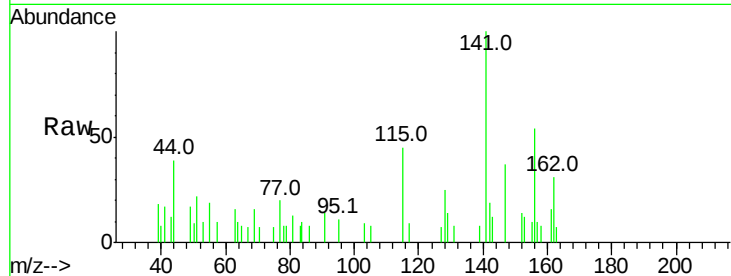
Tot Ion: 65 Resp: 227

Ion Ratio Lower Upper

65 100

92 0.0 55.8 83.6#

138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

9.45

300

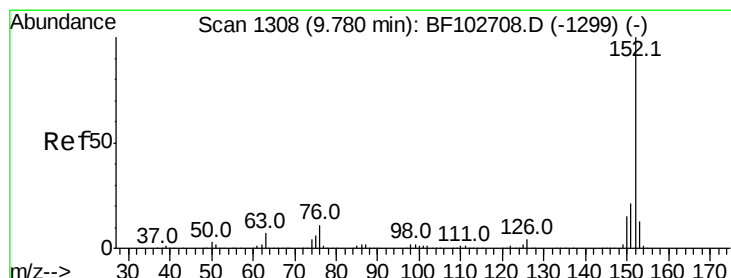
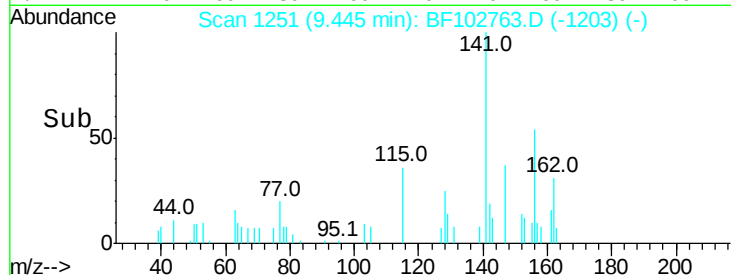
200

100

0

9.43 9.44 9.45 9.46

Time-->



#48

Acenaphthylene

Concen: 12.029 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF102763.D

Acq: 6 Feb 2018 3:31

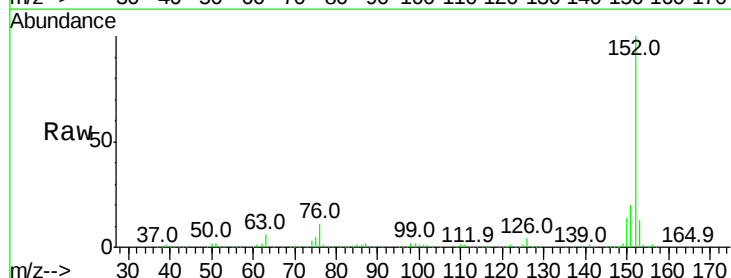
Tgt Ion: 152 Resp: 449651

Ion Ratio Lower Upper

152 100

151 19.8 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

9.78

600000

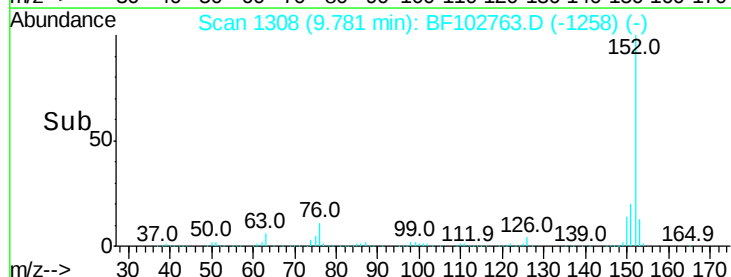
400000

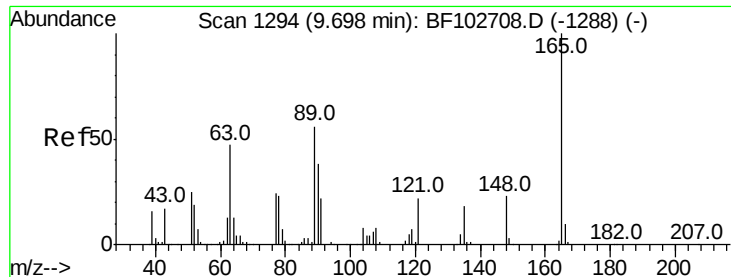
200000

0

9.70 9.75 9.80 9.85 9.90

Time-->

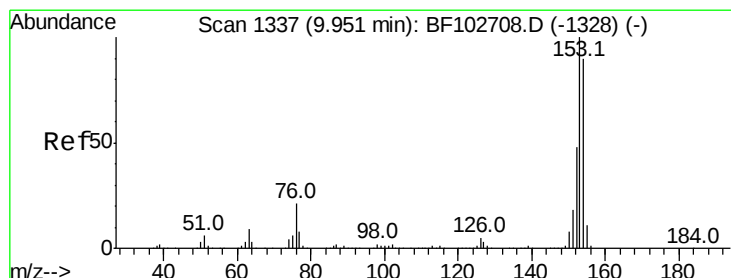
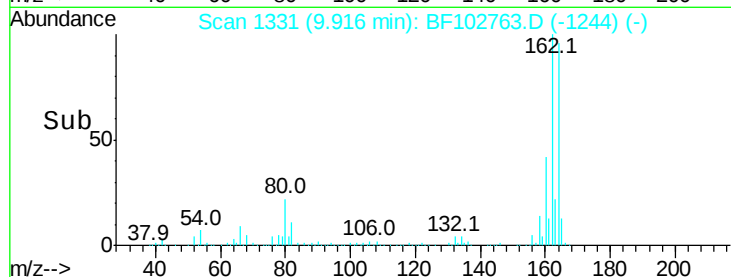
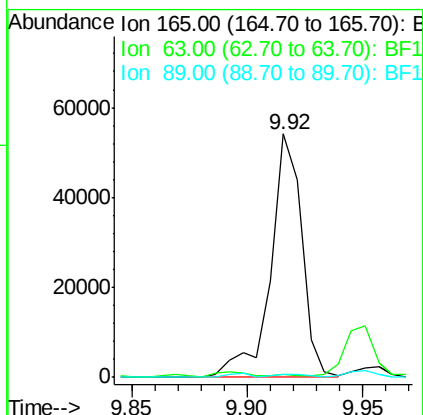
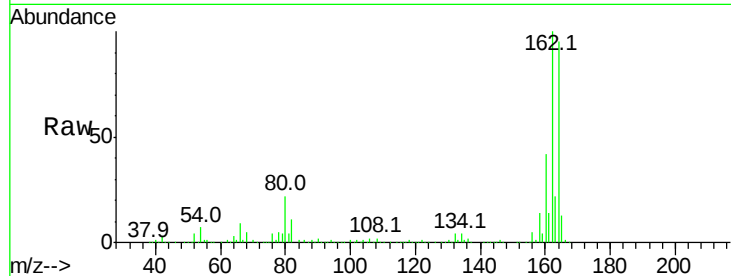




#50
 2,6-Dinitrotoluene
 Concen: 9.427 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.21 min
 Lab File: BF102763.D
 Acq: 6 Feb 2018 3:31

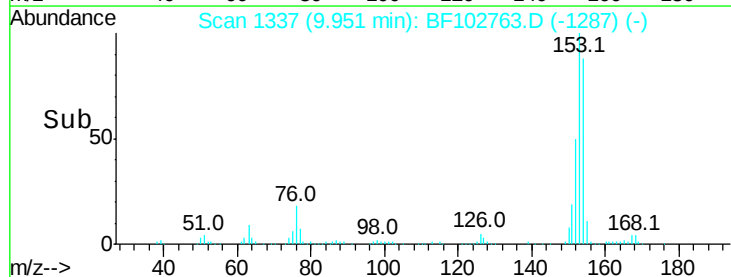
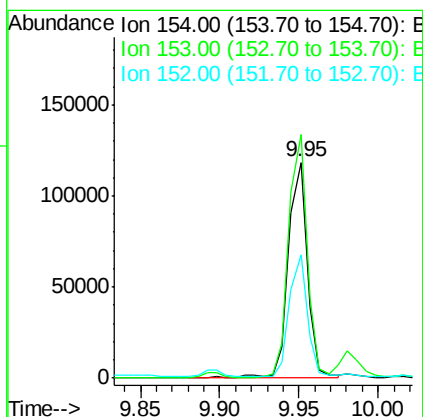
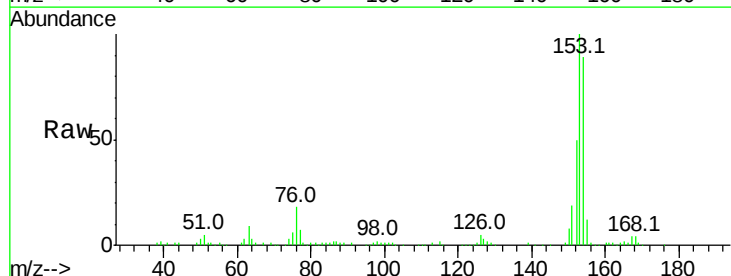
Instrument :
 BNA_F
 ClientSampleId :

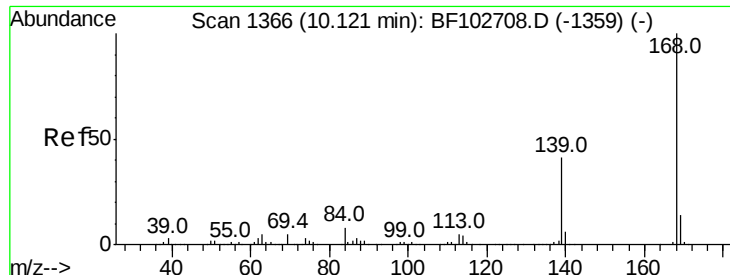
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.4	44.0	66.0#



#51
 Acenaphthene
 Concen: 4.416 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: BF102763.D
 Acq: 6 Feb 2018 3:31

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.8	91.2	136.8
152	56.9	43.8	65.8





#54

Dibenzenofuran

Concen: 4.868 ng

RT: 10.12 min Scan# 1366

Delta R.T. -0.01 min

Lab File: BF102763.D

Acq: 6 Feb 2018 3:31

Instrument :

BNA_F

ClientSampled :

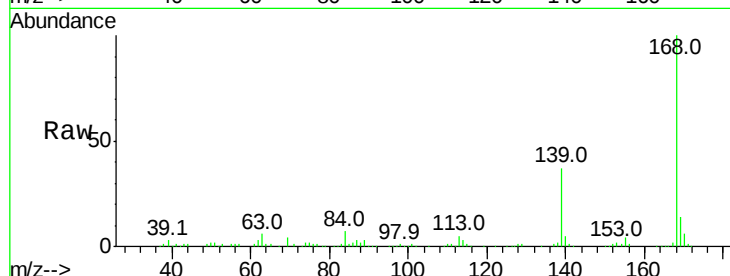
Tot Ion:168 Resp: 153360

Ion Ratio Lower Upper

168 100

139 37.2 30.1 45.1

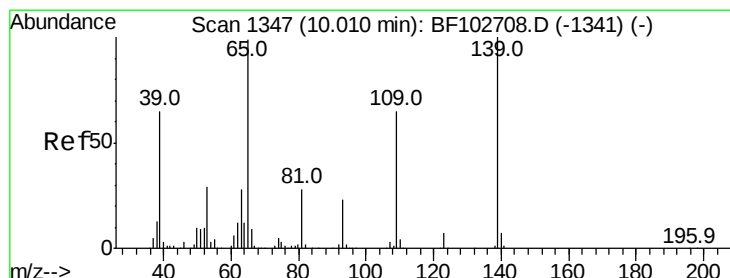
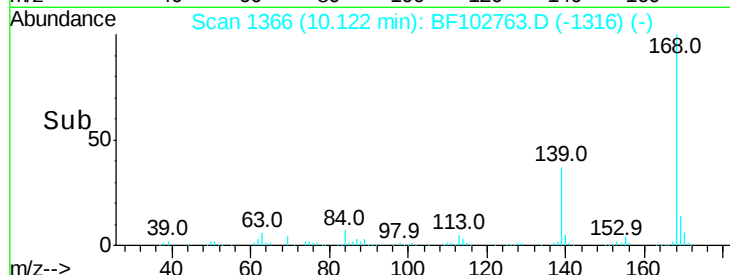
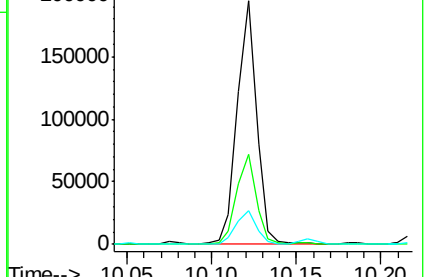
169 13.8 10.9 16.3



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: 14.229 ng

RT: 10.12 min Scan# 1366

Delta R.T. 0.10 min

Lab File: BF102763.D

Acq: 6 Feb 2018 3:31

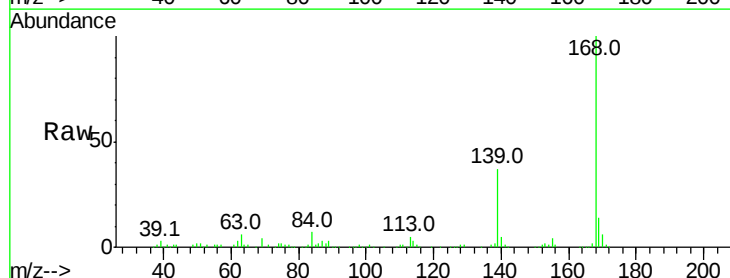
Tgt Ion:139 Resp: 58500

Ion Ratio Lower Upper

139 100

109 1.2 48.4 88.4#

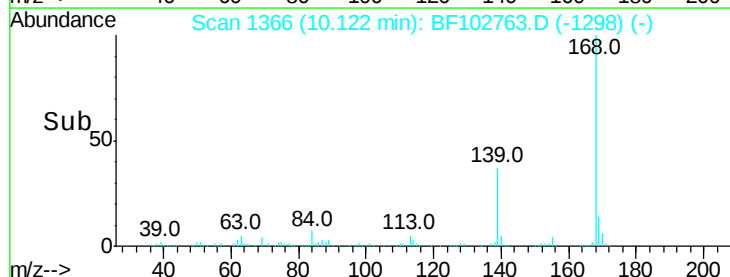
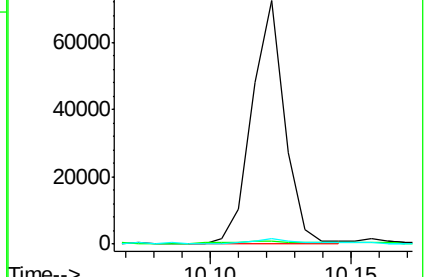
65 2.1 72.6 112.6#

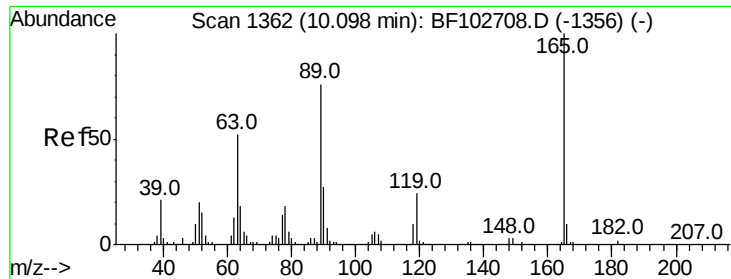


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

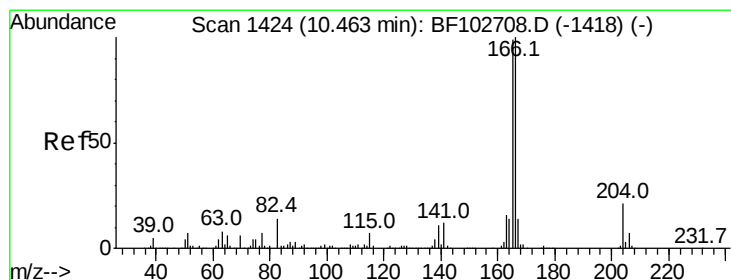
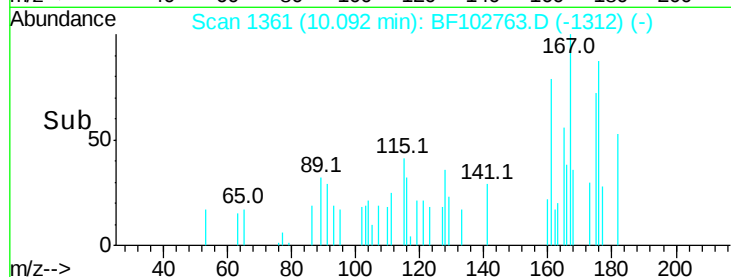
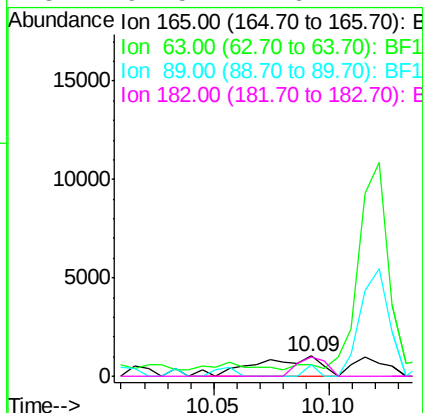
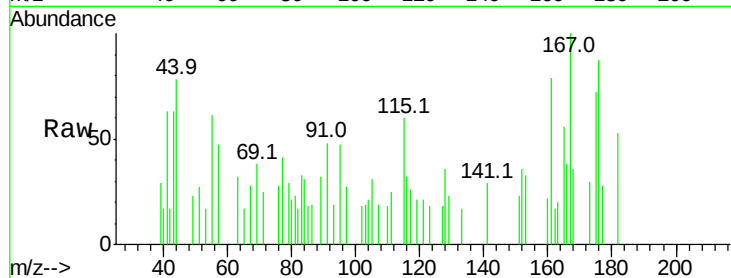




#56
2,4-Dinitrotoluene
Concen: 3.331 ng
RT: 10.09 min Scan# 1361
Delta R.T. -0.01 min
Lab File: BF102763.D
Acq: 6 Feb 2018 3:31

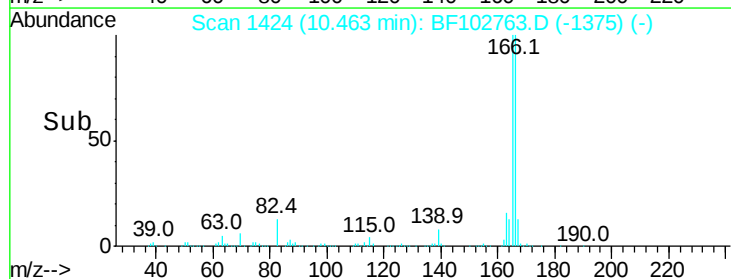
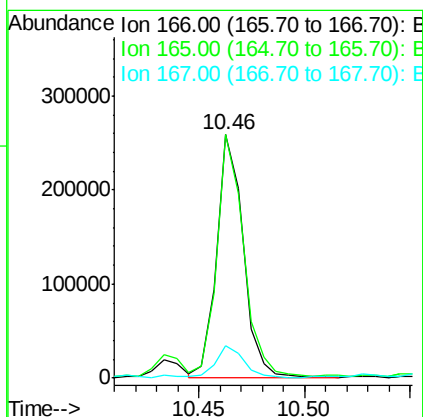
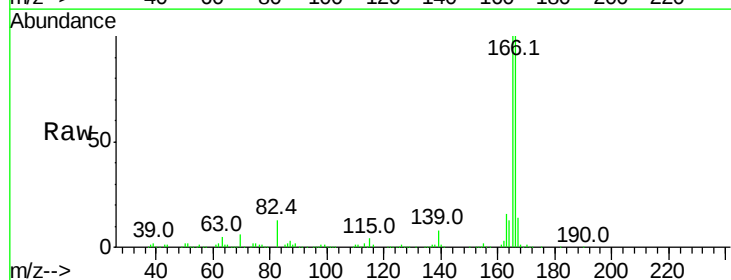
Instrument :
BNA_F
ClientSampleId :

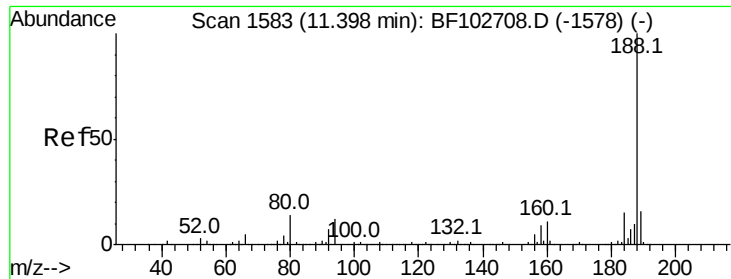
Tot Ion:165 Resp: 1974
Ion Ratio Lower Upper
165 100
63 57.1 36.4 54.6#
89 56.9 57.8 86.6#
182 94.5 1.6 2.4#



#57
Fluorene
Concen: 9.945 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF102763.D
Acq: 6 Feb 2018 3:31

Tgt Ion:166 Resp: 227957
Ion Ratio Lower Upper
166 100
165 99.9 79.8 119.8
167 13.5 10.6 16.0

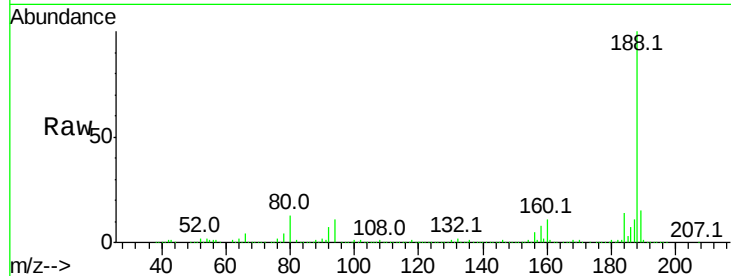




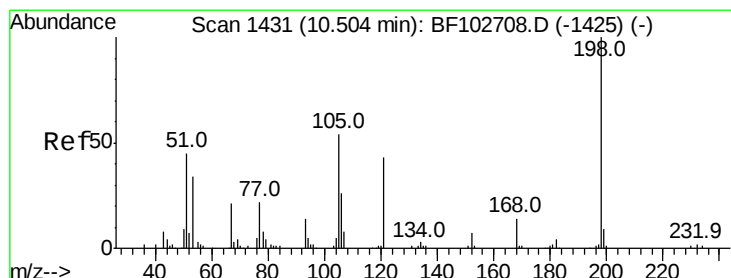
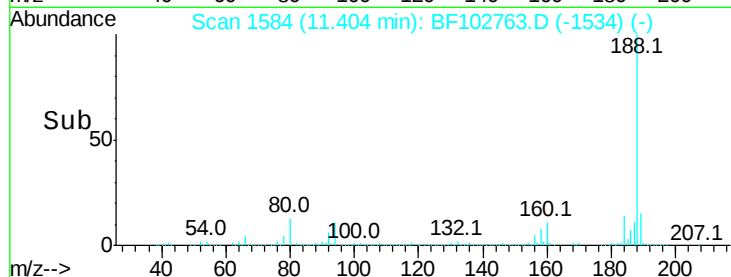
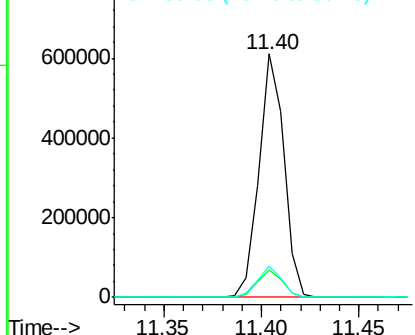
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF102763.D
Acq: 6 Feb 2018 3:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 541766
Ion Ratio Lower Upper
188 100
94 11.4 8.5 12.7
80 12.6 9.2 13.8

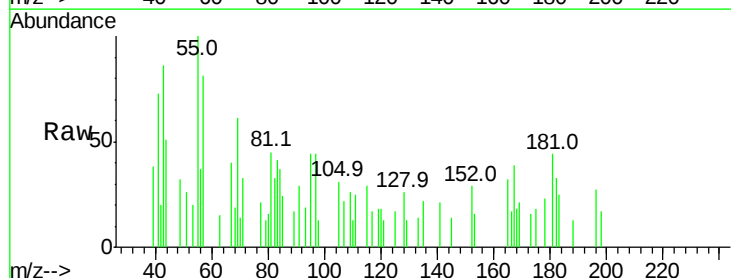


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

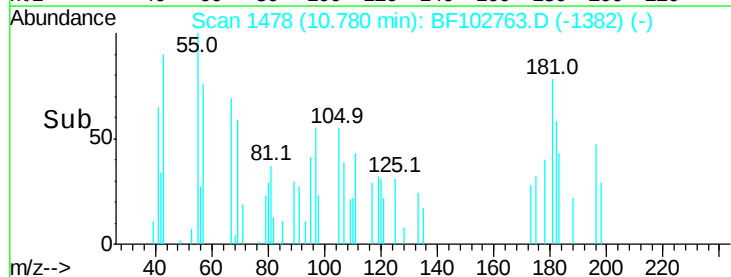
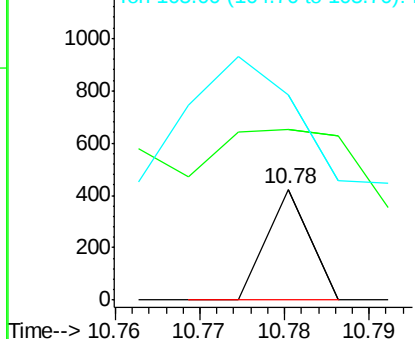


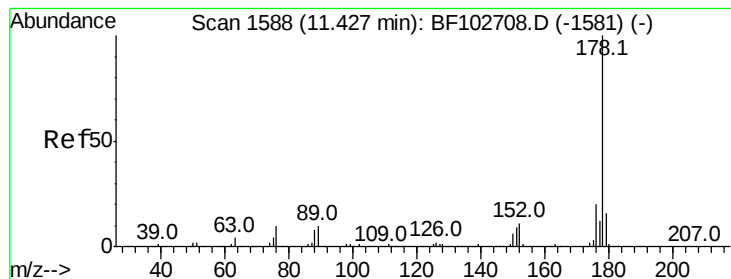
#64
4,6-Dinitro-2-methylphenol
Concen: 8.853 ng
RT: 10.78 min Scan# 1478
Delta R.T. 0.26 min
Lab File: BF102763.D
Acq: 6 Feb 2018 3:31

Tgt Ion:198 Resp: 149
Ion Ratio Lower Upper
198 100
51 154.3 37.7 77.7#
105 185.5 36.3 76.3#



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





#70

Phenanthrene

Concen: 35.927 ng

RT: 11.43 min Scan# 1589

Delta R.T. 0.00 min

Lab File: BF102763.D

Acq: 6 Feb 2018 3:31

Instrument :

BNA_F

ClientSampleId :

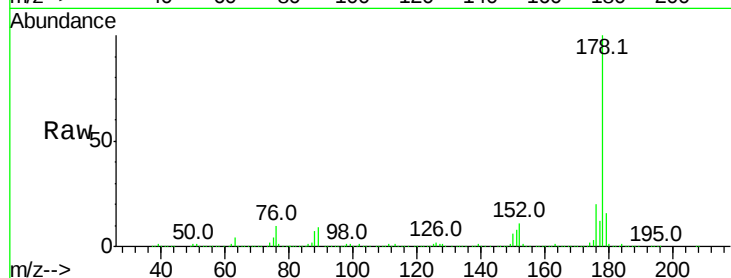
Tot Ion:178 Resp: 1084014

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.5	13.0	19.6

178 100

176 19.8 15.8 23.8

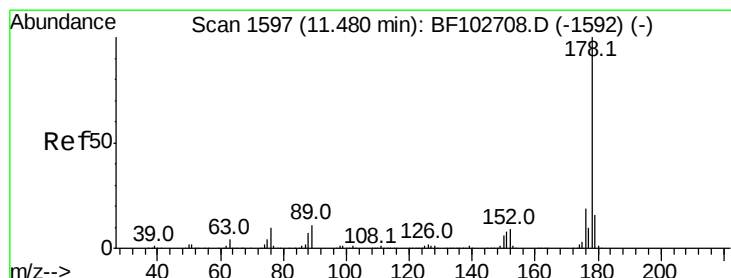
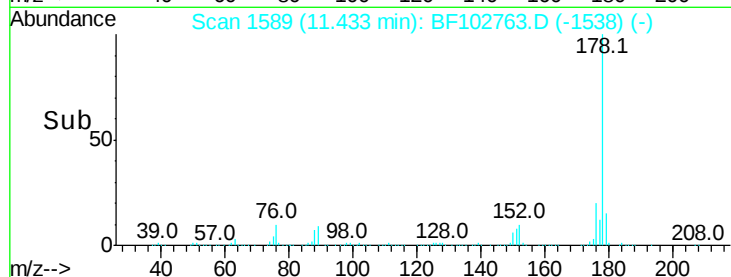
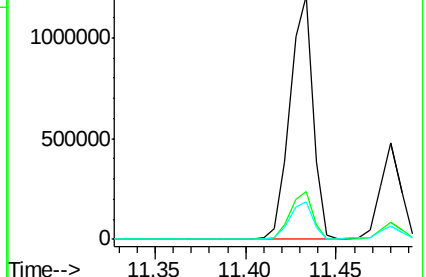
179 15.5 13.0 19.6



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: 11.945 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF102763.D

Acq: 6 Feb 2018 3:31

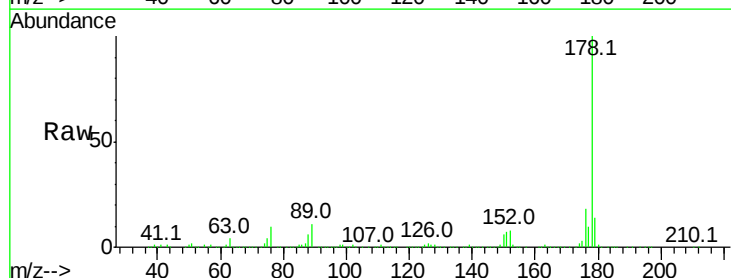
Tgt Ion:178 Resp: 366582

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	14.4	12.6	19.0

178 100

176 18.3 15.4 23.2

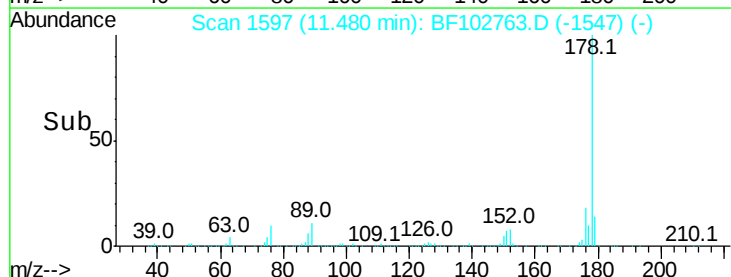
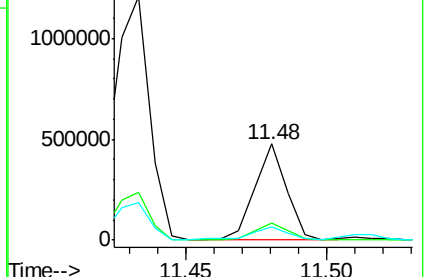
179 14.4 12.6 19.0

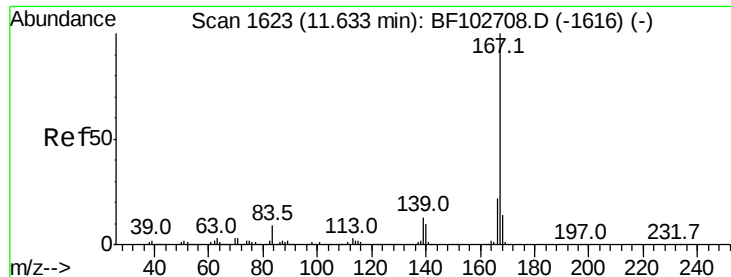


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 2.984 ng

RT: 11.63 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BF102763.D

Acq: 6 Feb 2018 3:31

Instrument :

BNA_F

ClientSampleId :

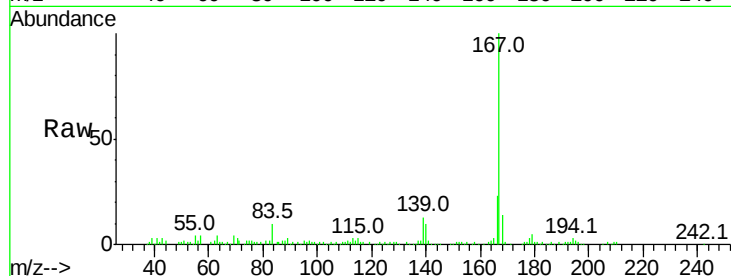
Tot Ion:167 Resp: 89726

Ion Ratio Lower Upper

167 100

166 22.9 17.6 26.4

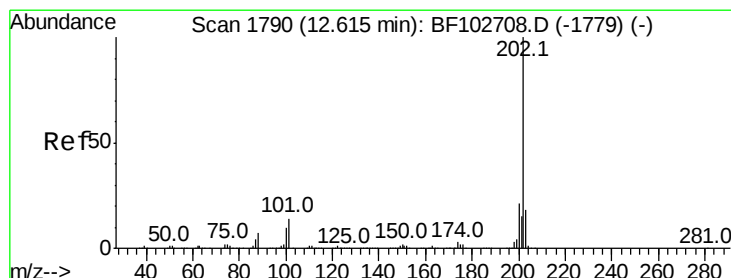
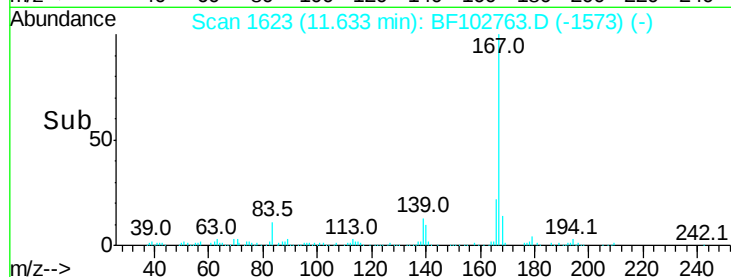
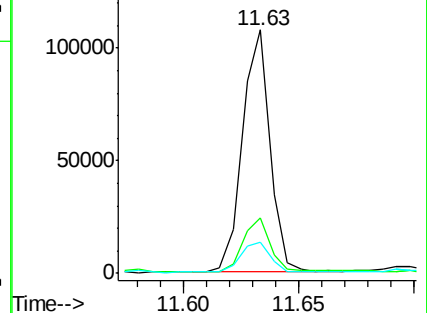
139 12.9 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 43.765 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BF102763.D

Acq: 6 Feb 2018 3:31

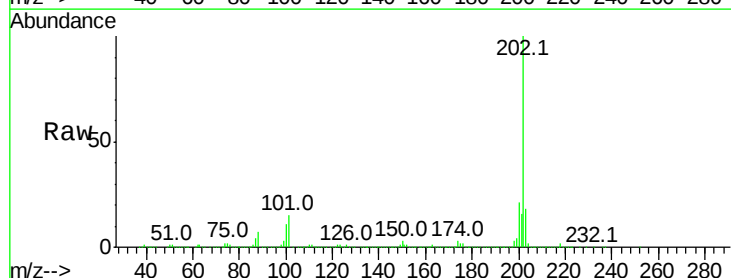
Tgt Ion:202 Resp: 1328597

Ion Ratio Lower Upper

202 100

101 14.8 0.0 34.1

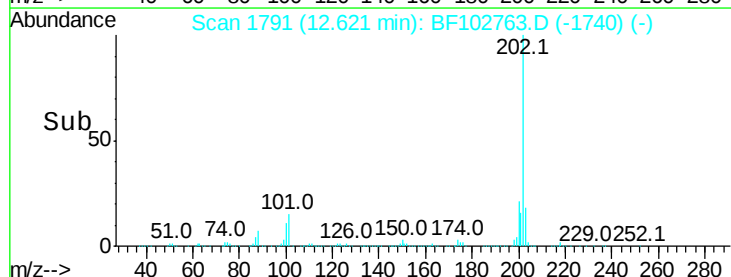
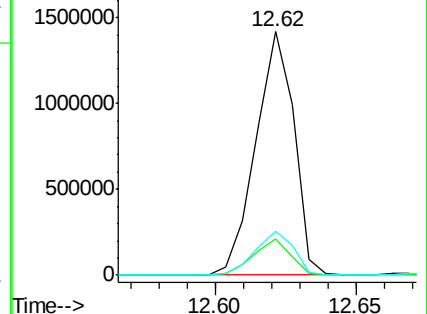
203 18.1 0.0 38.1

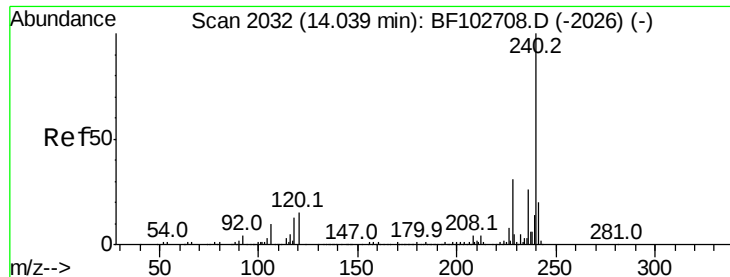


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF102763.D

Acq: 6 Feb 2018 3:31

Instrument :

BNA_F

ClientSampleId :

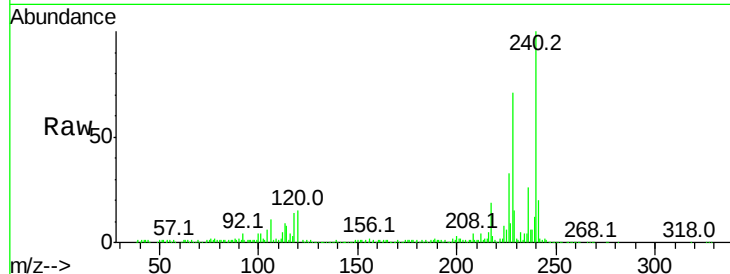
Tot Ion:240 Resp: 325474

Ion Ratio Lower Upper

240 100

120 15.2 9.5 14.3#

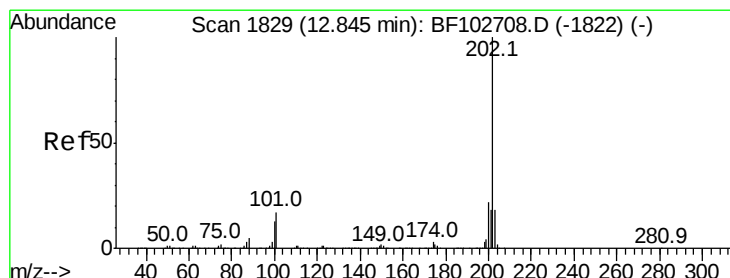
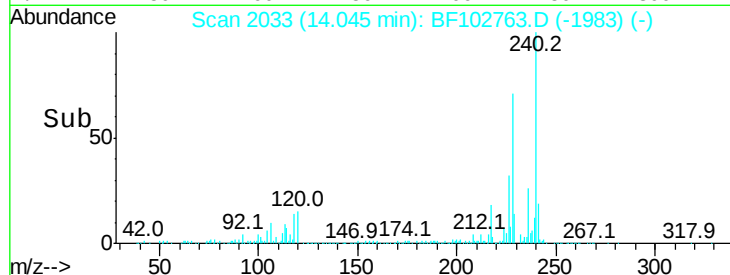
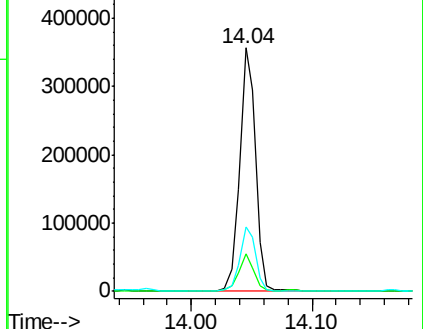
236 26.2 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 47.058 ng

RT: 12.85 min Scan# 1830

Delta R.T. 0.00 min

Lab File: BF102763.D

Acq: 6 Feb 2018 3:31

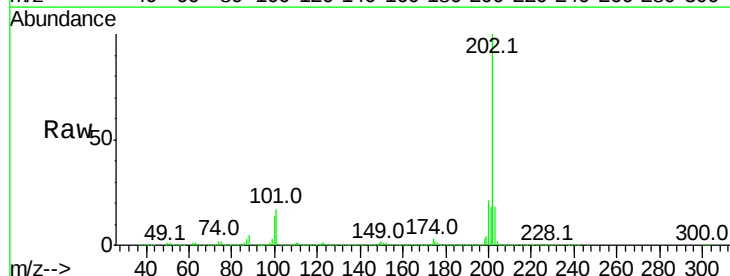
Tgt Ion:202 Resp: 1201026

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

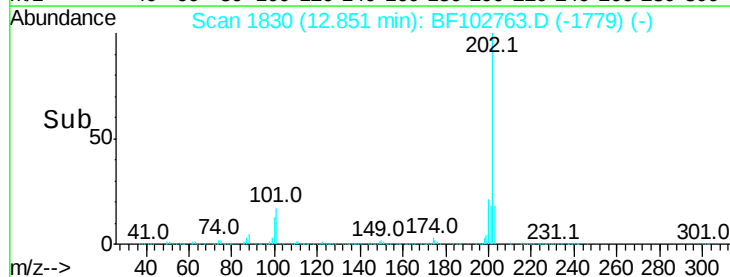
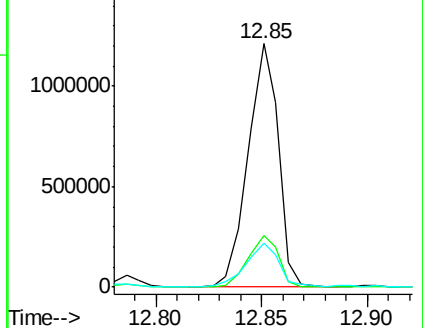
203 18.3 14.3 21.5

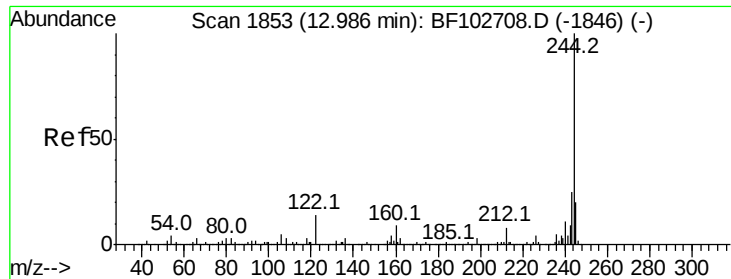


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 5.209 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF102763.D

Acq: 6 Feb 2018 3:31

Instrument :

BNA_F

ClientSampleId :

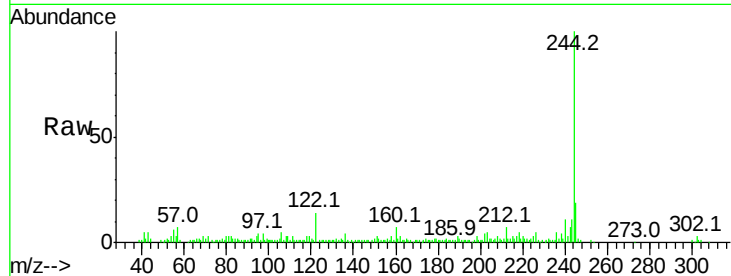
Tot Ion:244 Resp: 71604

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

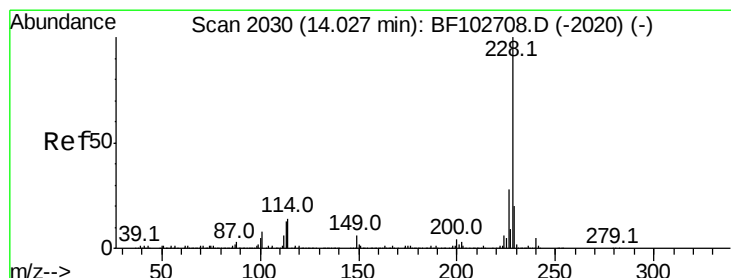
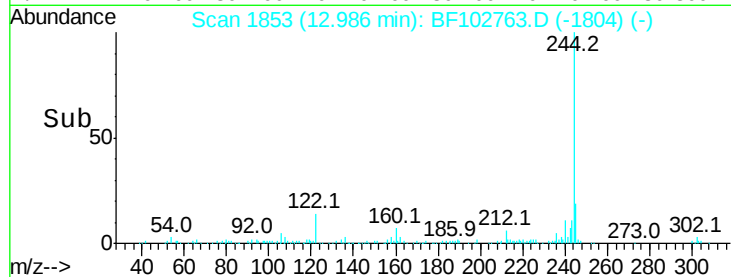
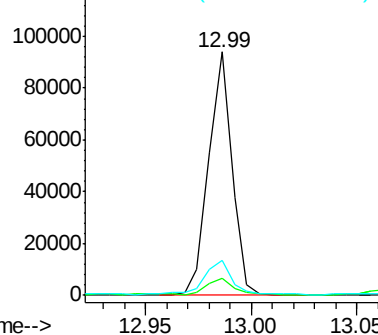
122 14.5 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 30.605 ng

RT: 14.07 min Scan# 2038

Delta R.T. 0.04 min

Lab File: BF102763.D

Acq: 6 Feb 2018 3:31

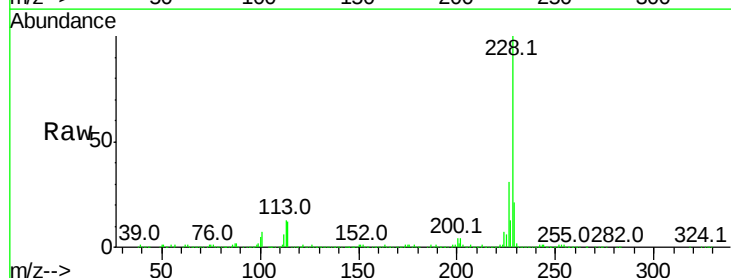
Tgt Ion:228 Resp: 626457

Ion Ratio Lower Upper

228 100

226 30.6 22.6 33.8

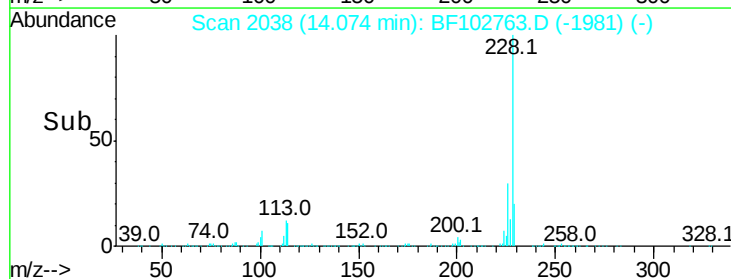
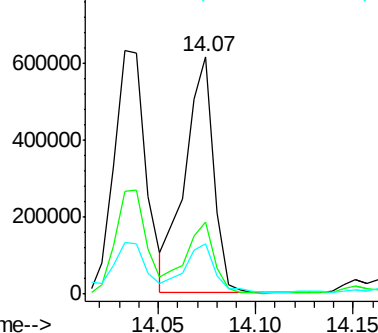
229 21.3 15.8 23.6

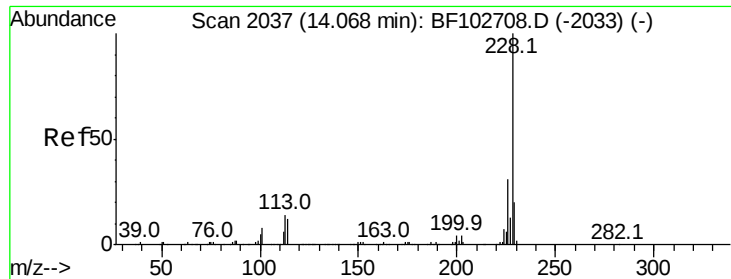


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 30.360 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF102763.D

Acq: 6 Feb 2018 3:31

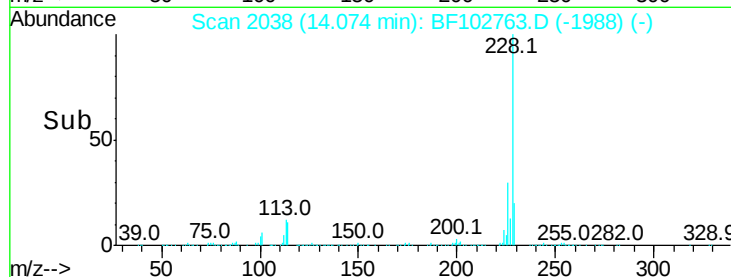
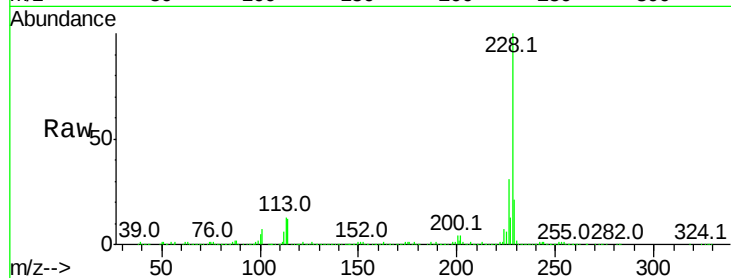
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 626457

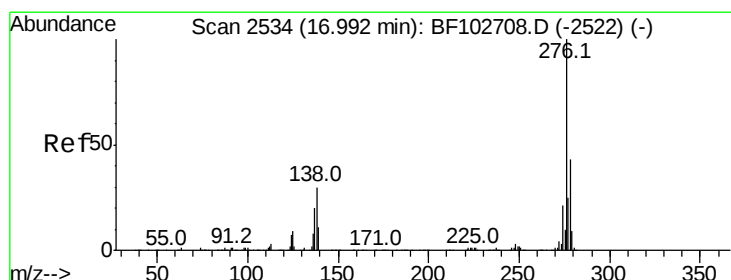
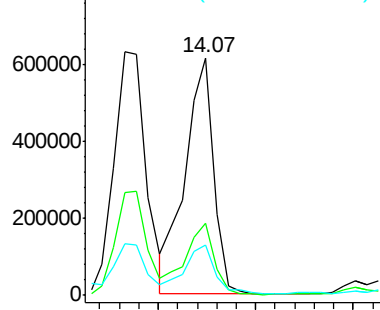
Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	21.3	16.2	24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 19.431 ng

RT: 17.02 min Scan# 2538

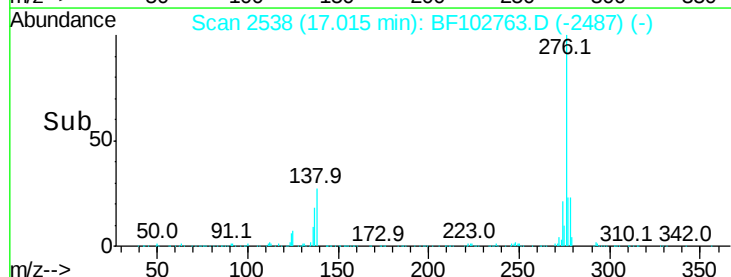
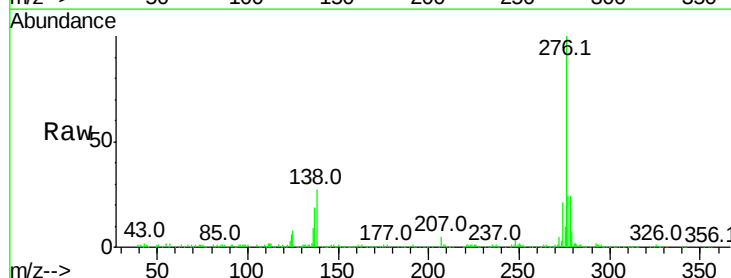
Delta R.T. 0.00 min

Lab File: BF102763.D

Acq: 6 Feb 2018 3:31

Tgt Ion:276 Resp: 332529

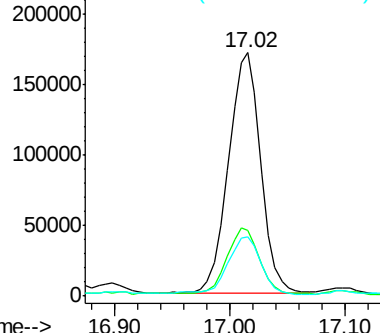
Ion	Ratio	Lower	Upper
276	100		
138	27.4	25.0	37.6
277	24.3	20.1	30.1

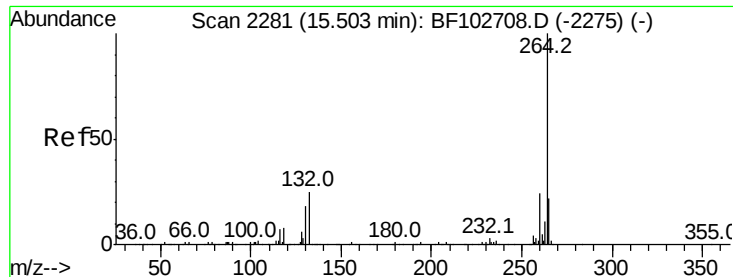


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.53 min Scan# 2285

Delta R.T. 0.00 min

Lab File: BF102763.D

Acq: 6 Feb 2018 3:31

Instrument :

BNA_F

ClientSampleId :

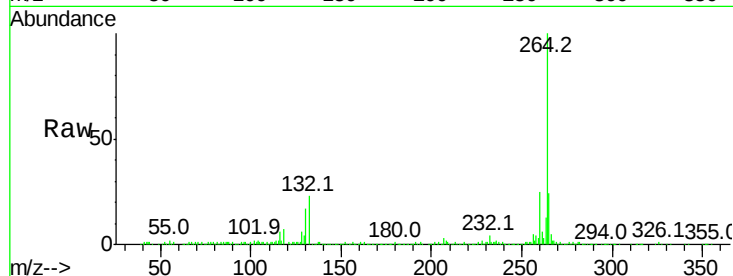
Tot Ion:264 Resp: 318028

Ion Ratio Lower Upper

264 100

260 24.9 19.2 28.8

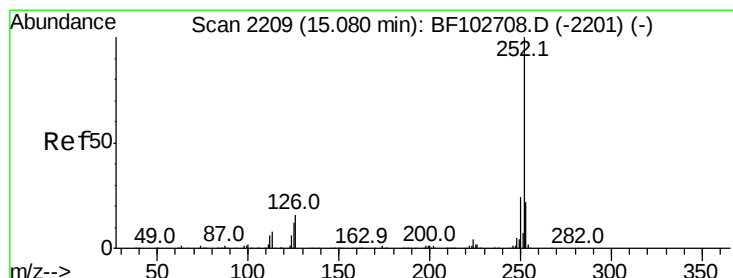
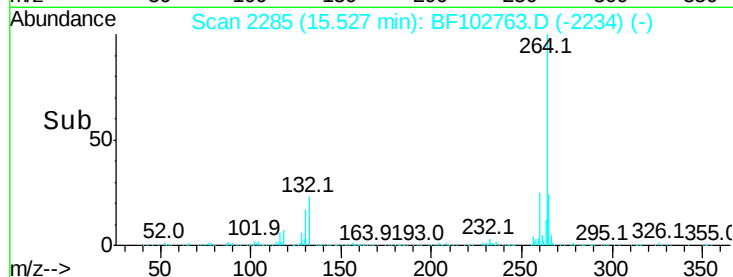
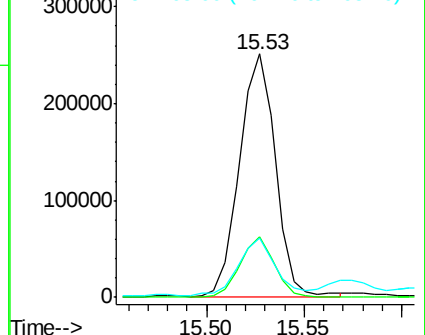
265 24.3 17.5 26.3



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



#87

Benzo(b)fluoranthene

Concen: 57.542 ng

RT: 15.09 min Scan# 2211

Delta R.T. 0.00 min

Lab File: BF102763.D

Acq: 6 Feb 2018 3:31

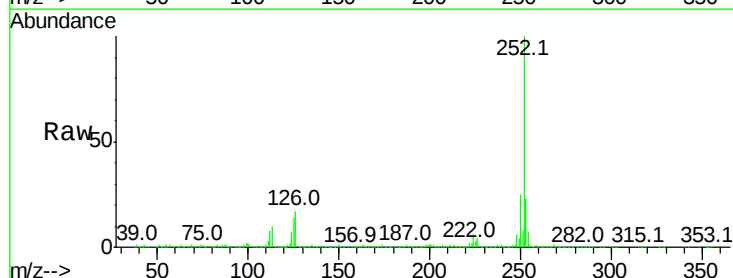
Tgt Ion:252 Resp: 1186462

Ion Ratio Lower Upper

252 100

253 22.9 17.0 25.6

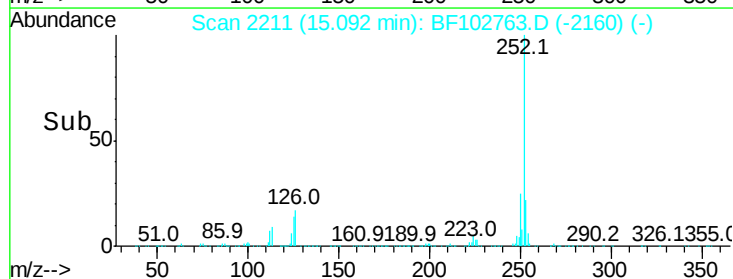
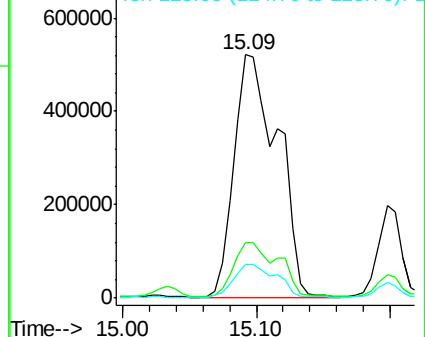
125 13.9 9.0 13.6#

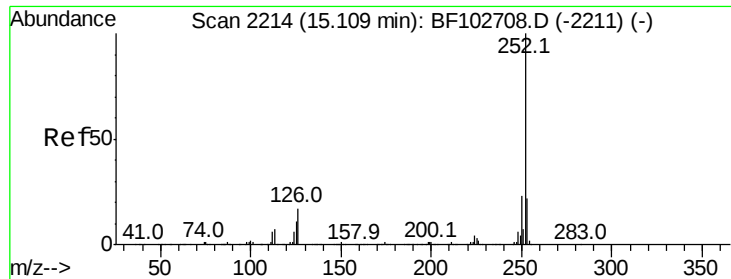


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 60.223 ng

RT: 15.09 min Scan# 2211

Delta R.T. -0.03 min

Lab File: BF102763.D

Acq: 6 Feb 2018 3:31

Instrument :

BNA_F

ClientSampleId :

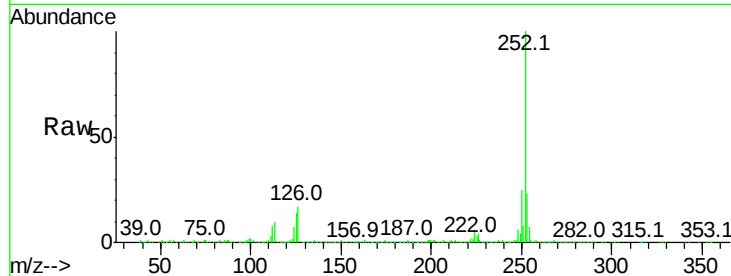
Tot Ion:252 Resp: 1186462

Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

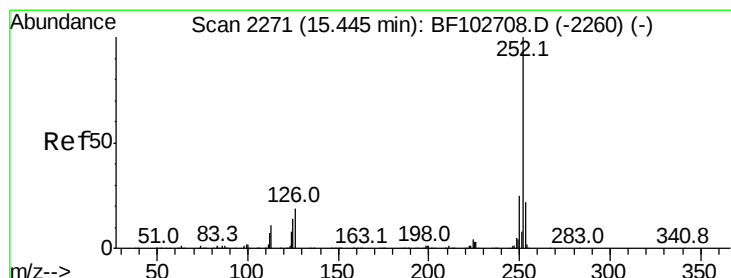
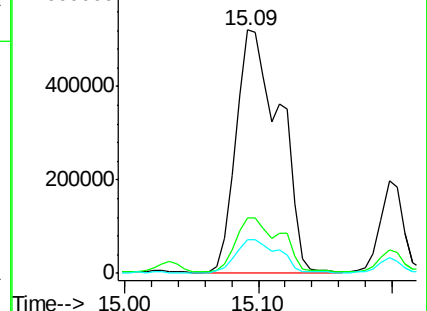
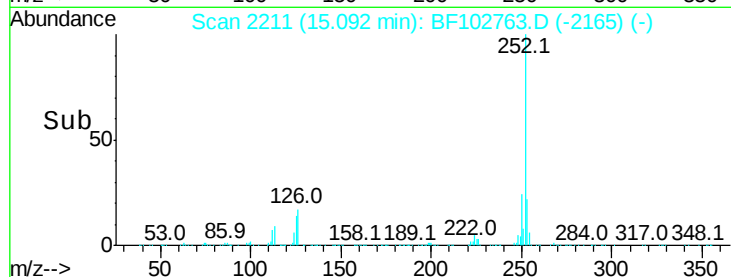
125 13.9 10.2 15.2



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(a)pyrene

Concen: 35.350 ng

RT: 15.47 min Scan# 2275

Delta R.T. 0.01 min

Lab File: BF102763.D

Acq: 6 Feb 2018 3:31

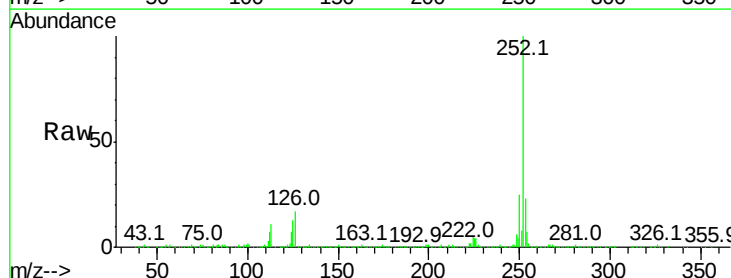
Tgt Ion:252 Resp: 656080

Ion Ratio Lower Upper

252 100

253 23.1 17.1 25.7

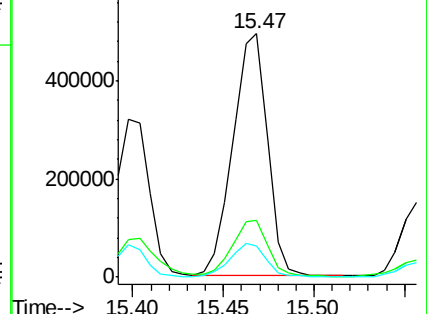
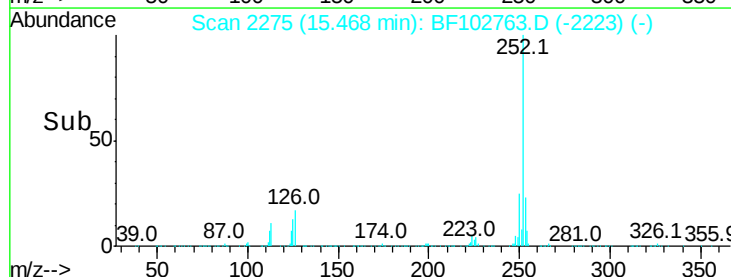
125 12.9 9.8 14.6

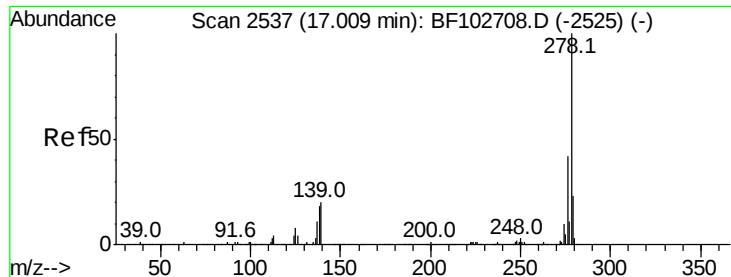


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 5.324 ng

RT: 17.19 min Scan# 2568

Delta R.T. 0.15 min

Lab File: BF102763.D

Acq: 6 Feb 2018 3:31

Instrument :

BNA_F

ClientSampleId :

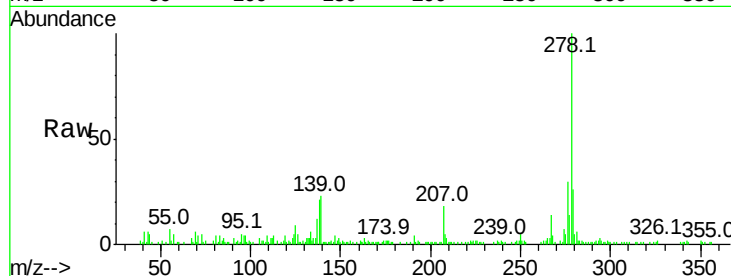
Tot Ion:278 Resp: 80199

Ion Ratio Lower Upper

278 100

139 22.9 15.9 23.9

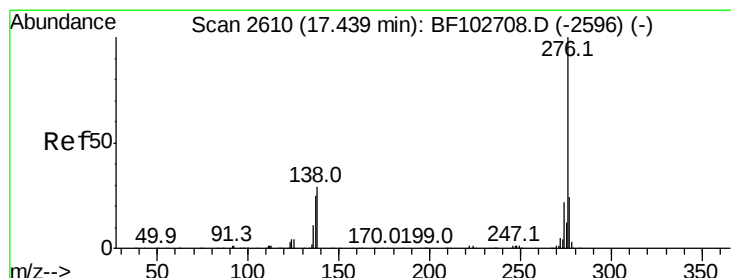
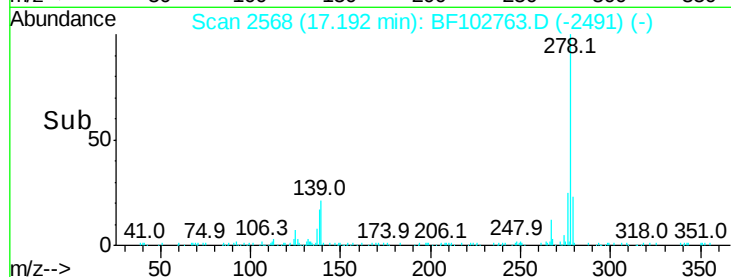
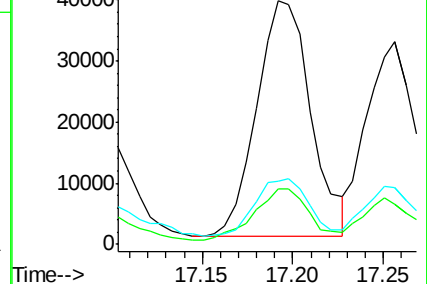
279 26.1 19.0 28.4



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: 21.308 ng

RT: 17.47 min Scan# 2615

Delta R.T. -0.01 min

Lab File: BF102763.D

Acq: 6 Feb 2018 3:31

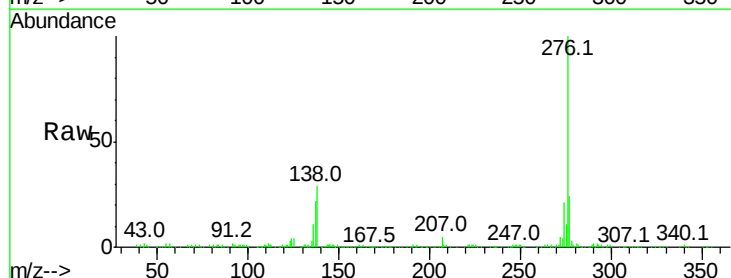
Tgt Ion:276 Resp: 314180

Ion Ratio Lower Upper

276 100

277 23.8 17.9 26.9

138 28.9 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

