

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021218\
 Data File : BF102937.D
 Acq On : 12 Feb 2018 23:39
 Operator : SJ/JU
 Sample : J1522-01MS 50X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 13 02:22:26 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	175917	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	692559	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	281192	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	383028	20.00	ng	0.00
75) Chrysene-d12	14.06	240	296253	20.00	ng	0.00
86) Perylene-d12	15.54	264	282477	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	3478	0.30	ng	0.00
7) Phenol-d6	6.50	99	5008	0.36	ng	0.00
23) Nitrobenzene-d5	7.44	82	3109	0.31	ng	-0.01
41) 2,4,6-Tribromophenol	10.72	330	373	0.16	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	6586	0.39	ng	0.00
78) Terphenyl-d14	12.99	244	5010	0.40	ng	0.00

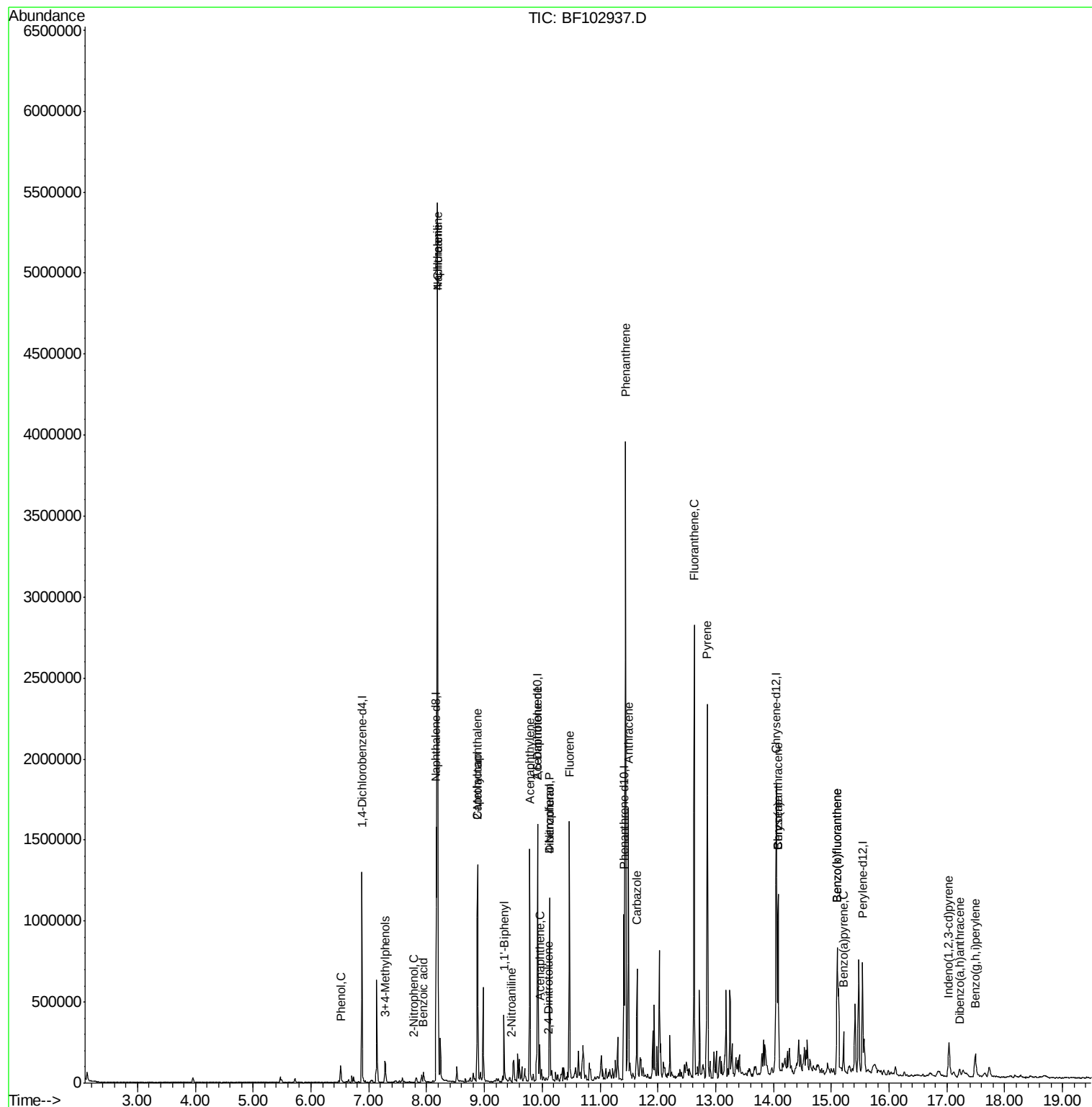
Target Compounds				Qvalue		
10) Phenol	6.52	94	37408	2.50	ng	97
20) 3+4-Methylphenols	7.28	107	31352	2.31	ng	89
26) 2-Nitrophenol	7.78	139	160	8.69	ng	# 44
31) Naphthalene	8.19	128	2745633	81.14	ng	98
32) Benzoic acid	7.95	122	9338	9.85	ng	# 19
33) 4-Chloroaniline	8.19	127	374999	25.73	ng	# 33
35) Caprolactam	8.88	113	8000	2.61	ng	# 1
37) 2-Methylnaphthalene	8.88	142	341744	15.43	ng	99
45) 1,1'-Biphenyl	9.34	154	116699	4.93	ng	99
47) 2-Nitroaniline	9.47	65	972	3.63	ng	# 80
48) Acenaphthylene	9.78	152	602554	20.81	ng	99
50) 2,6-Dinitrotoluene	9.92	165	41176	9.87	ng	# 26
51) Acenaphthene	9.96	154	38223	2.21	ng	97
54) Dibenzofuran	10.13	168	408241	16.73	ng	98
55) 4-Nitrophenol	10.13	139	163591	40.86	ng	# 10
56) 2,4-Dinitrotoluene	10.10	165	1405	3.31	ng	# 77
57) Fluorene	10.47	166	450745	25.38	ng	100
70) Phenanthrene	11.44	178	1533762	71.90	ng	99
71) Anthracene	11.49	178	623659	28.74	ng	99
72) Carbazole	11.64	167	258655	12.17	ng	99
74) Fluoranthene	12.63	202	1141962	53.21	ng	98
77) Pyrene	12.86	202	894402	38.50	ng	100
80) Benzo(a)anthracene	14.08	228	403703	21.67	ng	96
82) Chrysene	14.08	228	403703	21.49	ng	97
85) Indeno(1,2,3-cd)pyrene	17.03	276	133841	8.59	ng	97
87) Benzo(b)fluoranthene	15.10	252	624116	34.08	ng	# 96
88) Benzo(k)fluoranthene	15.10	252	624116	35.67	ng	99
89) Benzo(a)pyrene	15.21	252	110686	6.71	ng	93
90) Dibenzo(a,h)anthracene	17.22	278	32412	2.42	ng	98
91) Benzo(g,h,i)perylene	17.49	276	113000	8.63	ng	98

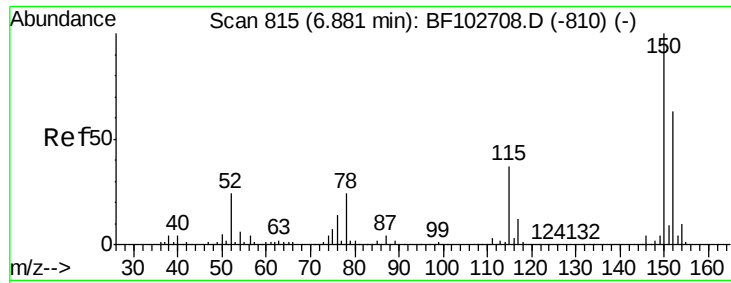
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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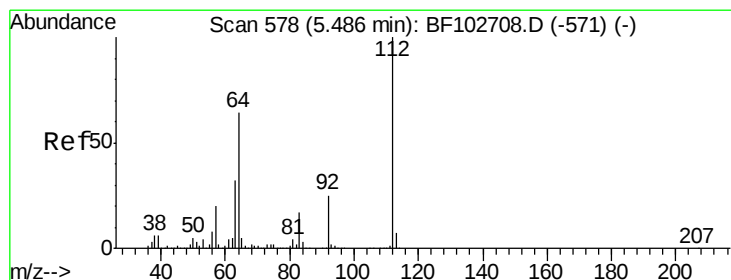
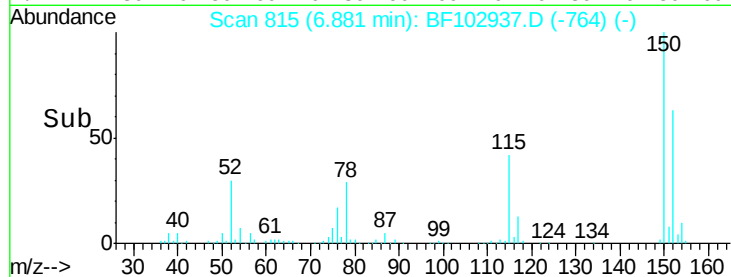
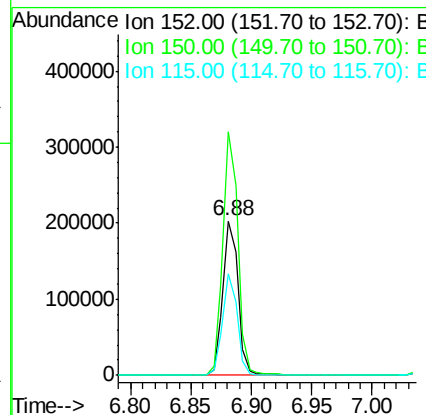
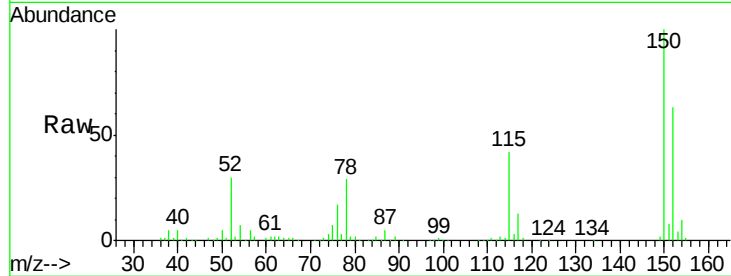


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Instrument :
BNA_F
ClientSampleId :

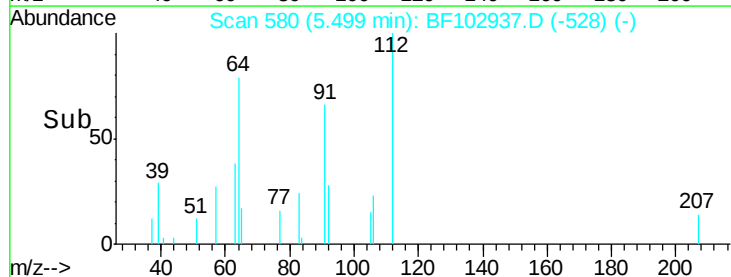
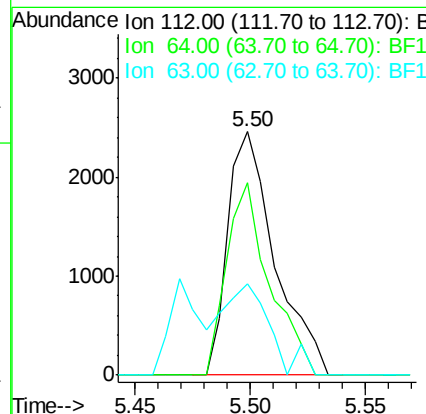
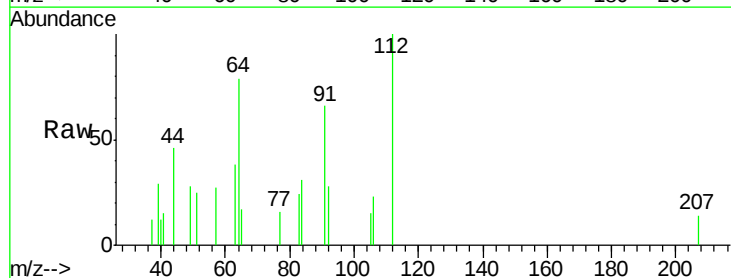
Tot Ion:152 Resp: 175917
Ion Ratio Lower Upper
152 100
150 157.7 124.6 186.8
115 65.9 50.1 75.1

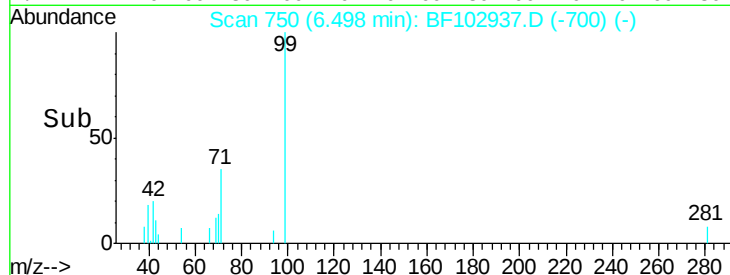
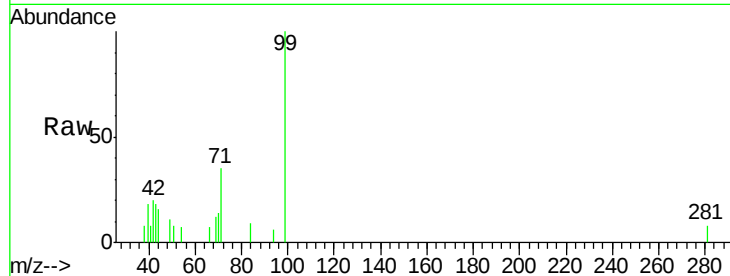
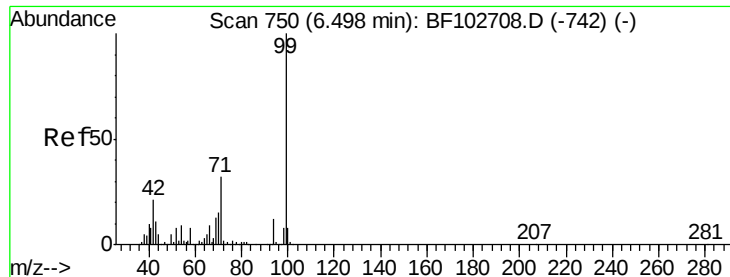


#5

2-Fluorophenol
Concen: 0.30 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Tgt Ion:112 Resp: 3478
Ion Ratio Lower Upper
112 100
64 78.9 47.9 71.9#
63 37.7 23.7 35.5#





#7

Phenol-d6

Concen: 0.36 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF102937.D

Acq: 12 Feb 2018 23:39

Instrument :

BNA_F

ClientSampleId :

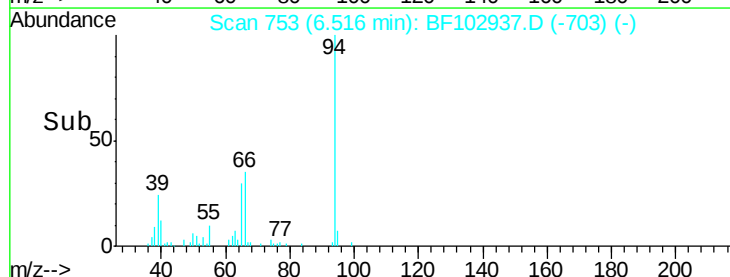
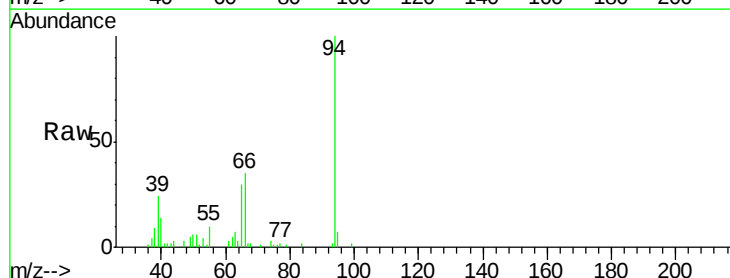
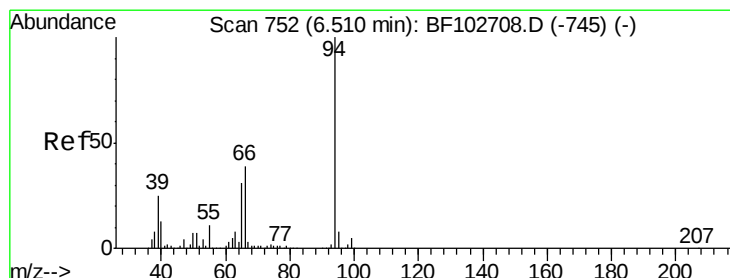
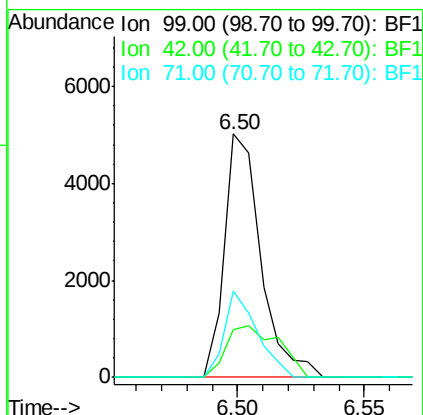
Tot Ion: 99 Resp: 5008

Ion Ratio Lower Upper

99 100

42 19.6 14.5 21.7

71 35.2 25.4 38.0



#10

Phenol

Concen: 2.50 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF102937.D

Acq: 12 Feb 2018 23:39

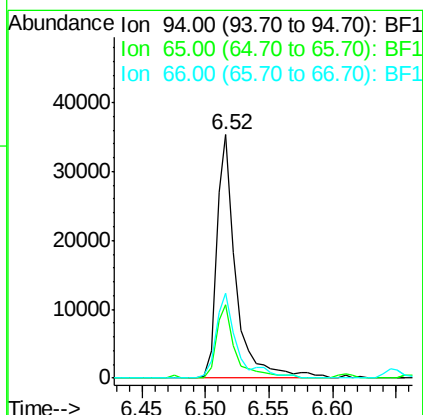
Tgt Ion: 94 Resp: 37408

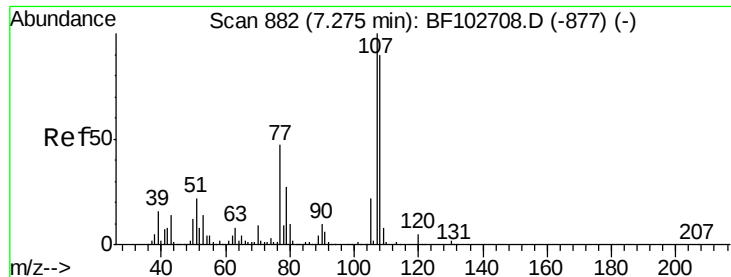
Ion Ratio Lower Upper

94 100

65 30.1 7.9 47.9

66 34.9 16.2 56.2





#20

3+4-Methylphenols

Concen: 2.31 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF102937.D

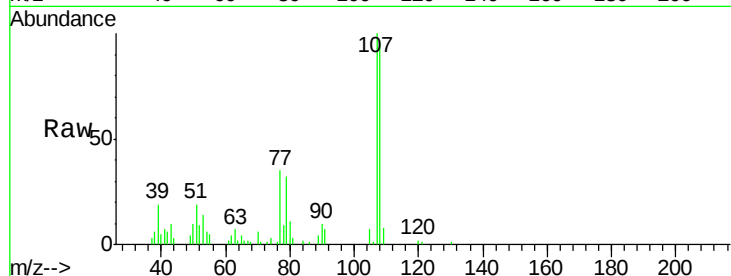
Acq: 12 Feb 2018 23:39

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	107	Resp:	31352
Ion	Ratio	Lower	Upper
107	100		
108	95.7	68.2	108.2
77	34.6	26.7	66.7
79	31.6	6.3	46.3

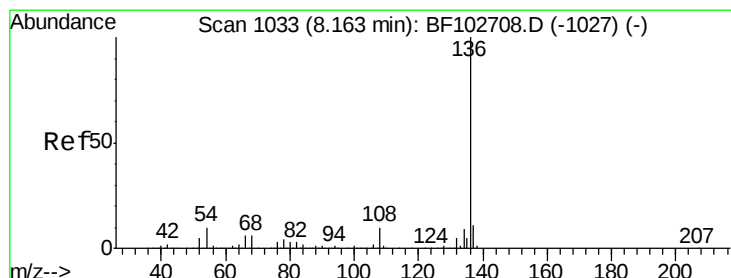
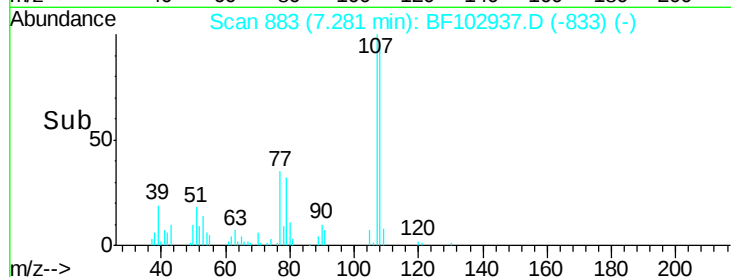
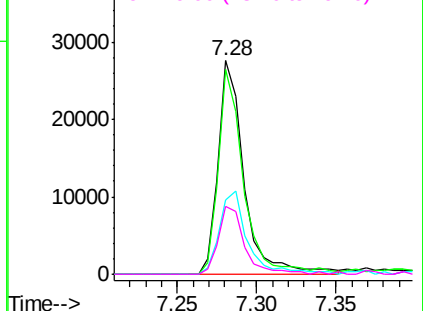


Abundance Ion 107.00 (106.70 to 107.70): E

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



#21

Naphthalene-d8

Concen: 20.00 ng

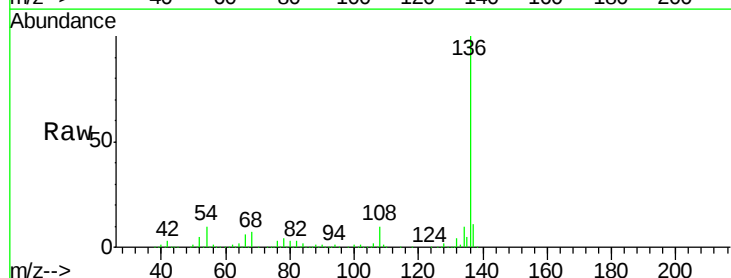
RT: 8.17 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BF102937.D

Acq: 12 Feb 2018 23:39

Tgt Ion:	136	Resp:	692559
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.7	6.6	9.8
68	6.9	5.0	7.4

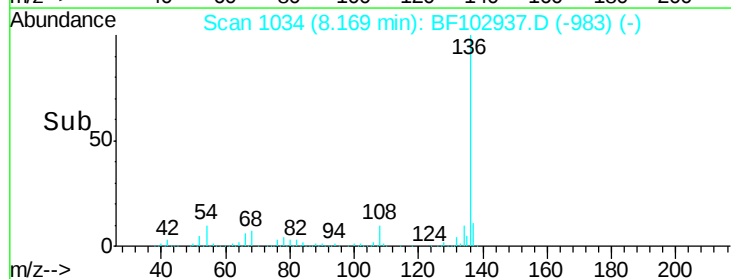
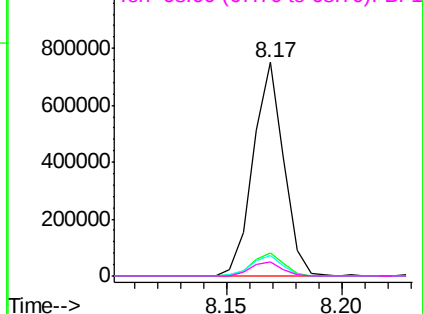


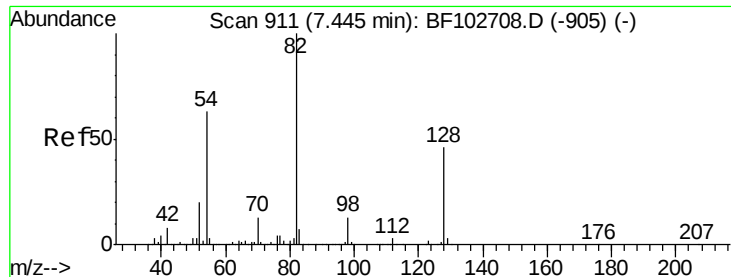
Abundance Ion 136.00 (135.70 to 136.70): E

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

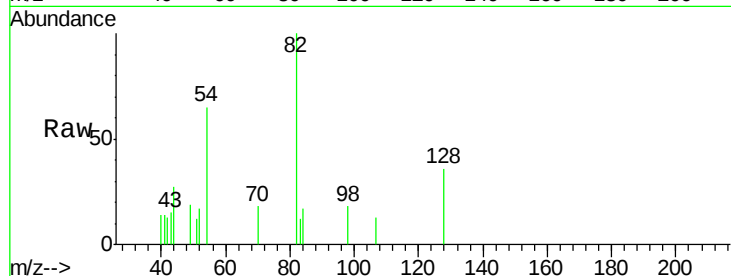




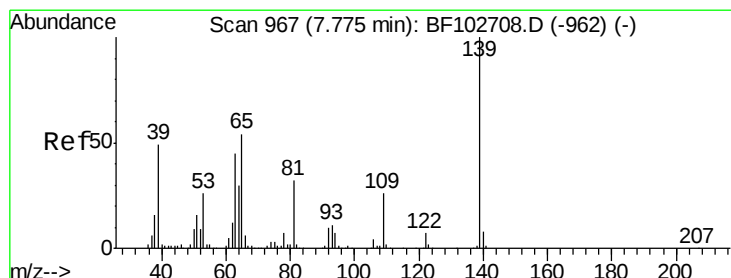
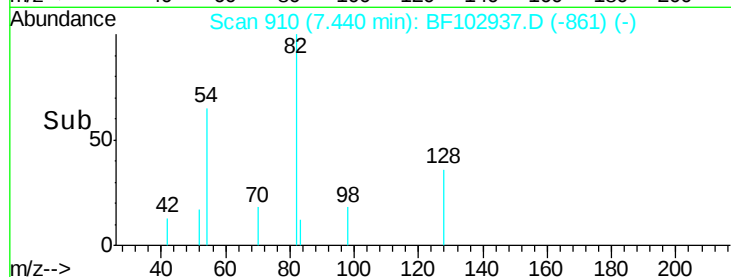
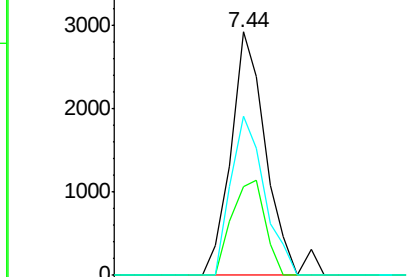
#23
Nitrobenzene-d5
Concen: 0.31 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	36.2	36.1	54.1
54	65.4	41.4	62.2#

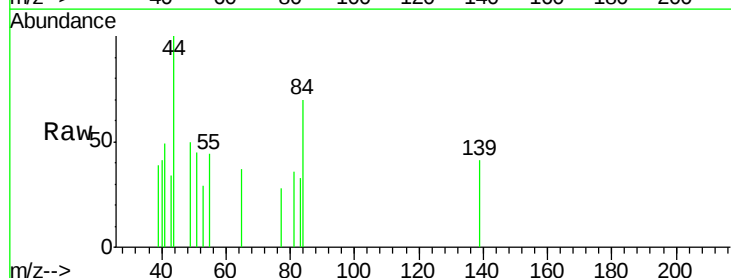


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

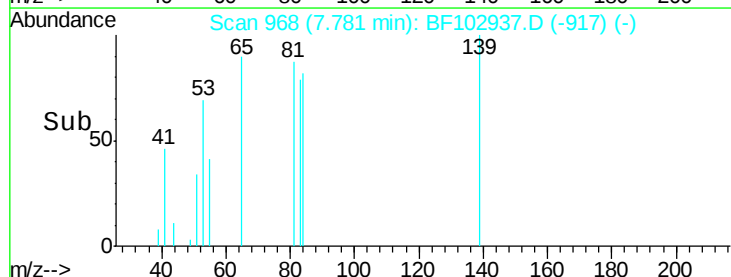
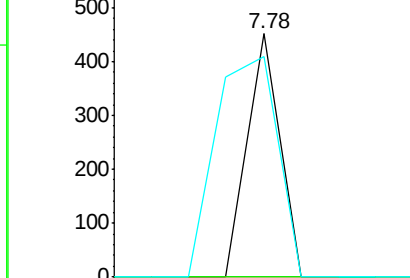


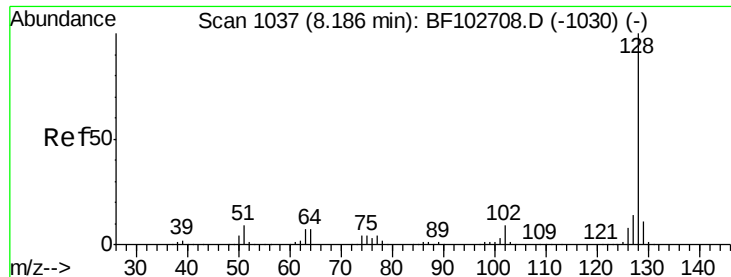
#26
2-Nitrophenol
Concen: 8.69 ng
RT: 7.78 min Scan# 968
Delta R.T. 0.00 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	22.7	34.1#
65	90.5	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: 81.14 ng

RT: 8.19 min Scan# 1038

Delta R.T. 0.00 min

Lab File: BF102937.D

Acq: 12 Feb 2018 23:39

Instrument :

BNA_F

ClientSampleId :

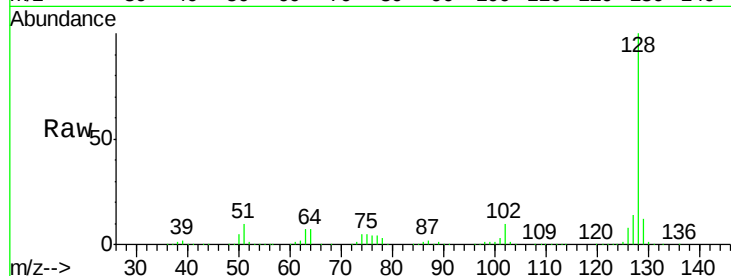
Tot Ion:128 Resp: 2745633

Ion Ratio Lower Upper

128 100

129 11.9 8.8 13.2

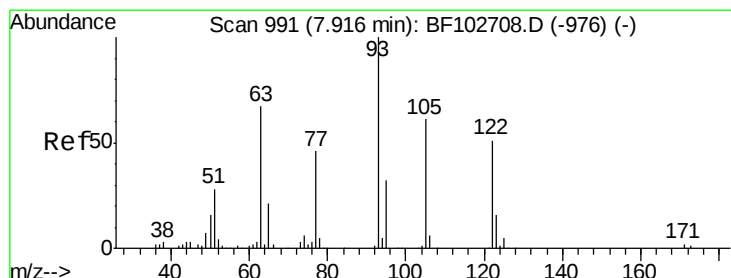
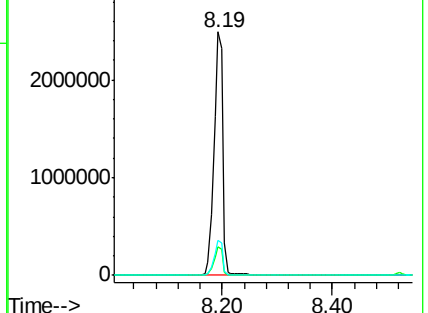
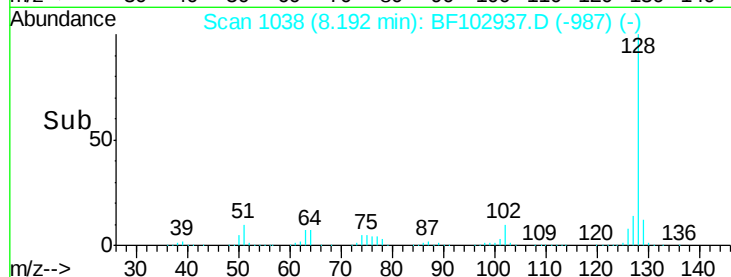
127 14.2 10.9 16.3



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: 9.85 ng

RT: 7.95 min Scan# 996

Delta R.T. 0.01 min

Lab File: BF102937.D

Acq: 12 Feb 2018 23:39

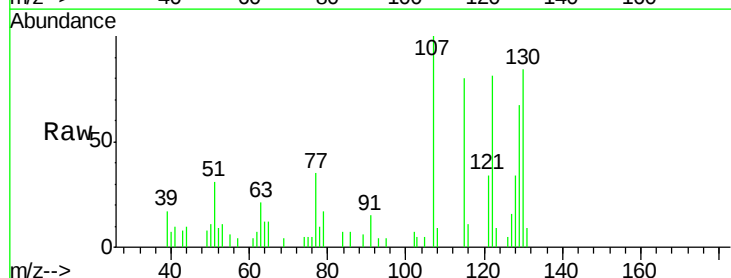
Tgt Ion:122 Resp: 9338

Ion Ratio Lower Upper

122 100

105 5.7 101.1 141.1#

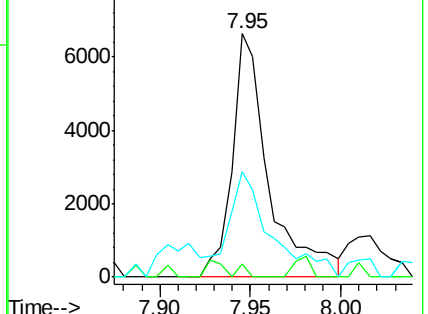
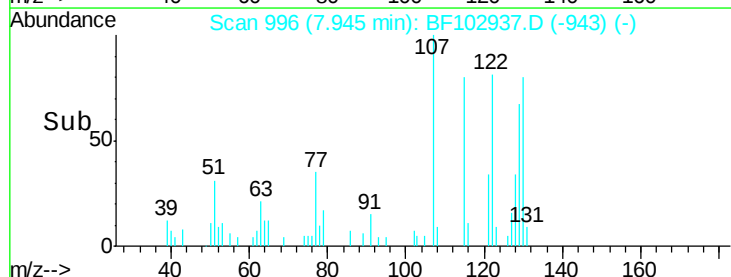
77 43.2 70.7 110.7#

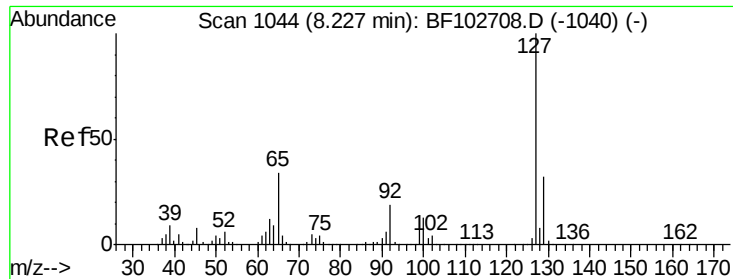


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

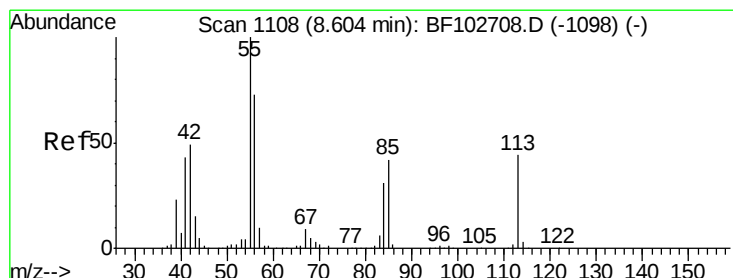
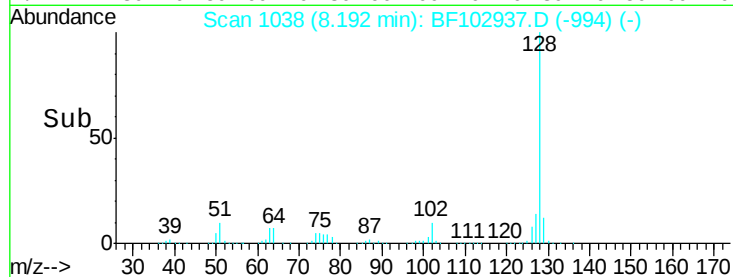
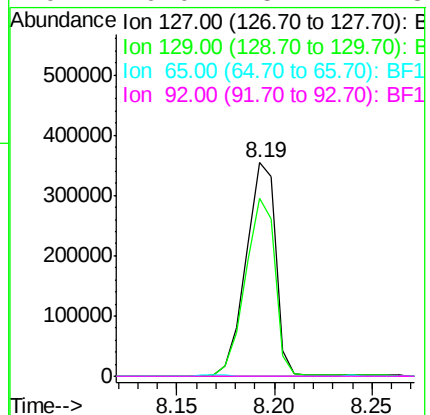
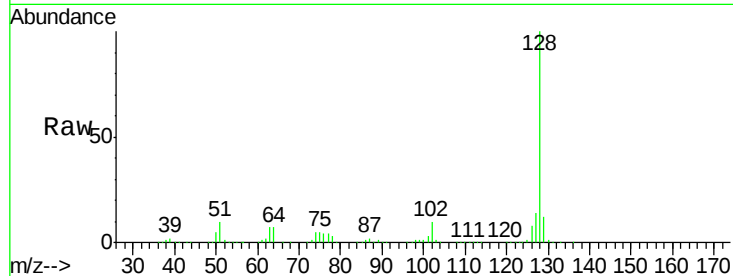




#33
4-Chloroaniline
Concen: 25.73 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.04 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

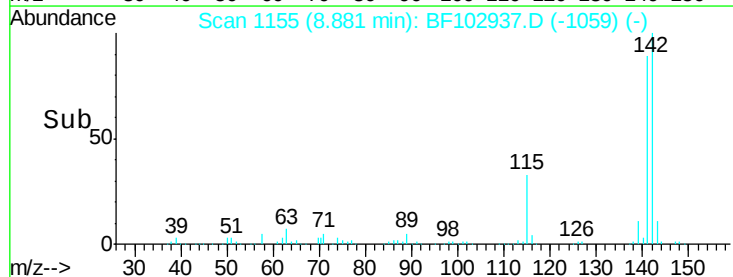
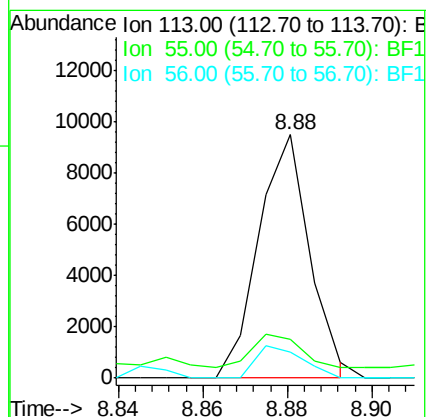
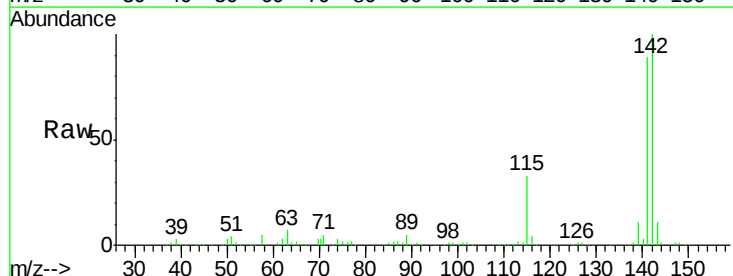
Instrument :
BNA_F
ClientSampleId :

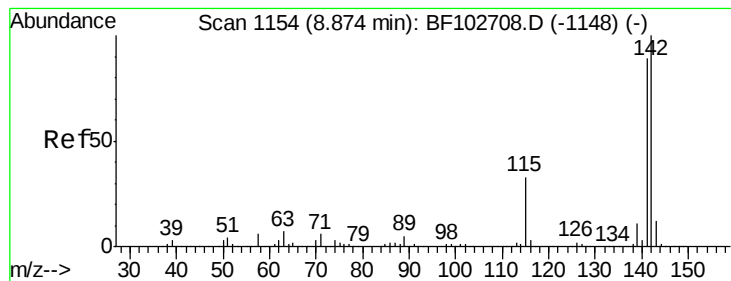
Tot Ion:	127	Resp:	374999
Ion	Ratio	Lower	Upper
127	100		
129	83.4	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#



#35
Caprolactam
Concen: 2.61 ng
RT: 8.88 min Scan# 1155
Delta R.T. 0.26 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Tgt Ion:	113	Resp:	8000
Ion	Ratio	Lower	Upper
113	100		
55	15.8	163.3	203.3#
56	10.4	115.7	155.7#





#37

2-Methylnaphthalene

Concen: 15.43 ng

RT: 8.88 min Scan# 1155

Delta R.T. 0.00 min

Lab File: BF102937.D

Acq: 12 Feb 2018 23:39

Instrument :

BNA_F

ClientSampled :

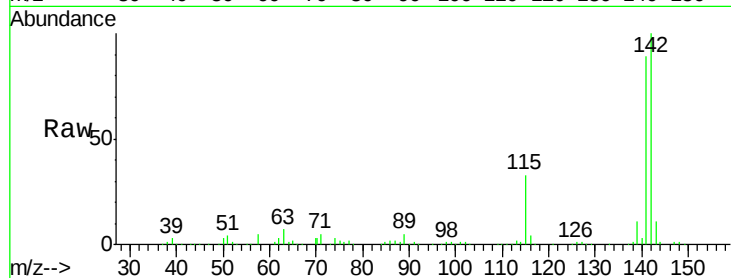
Tot Ion:142 Resp: 341744

Ion Ratio Lower Upper

142 100

141 89.1 70.8 106.2

115 33.0 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

8.88

400000

300000

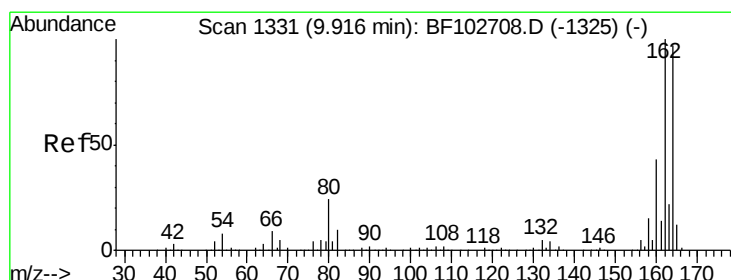
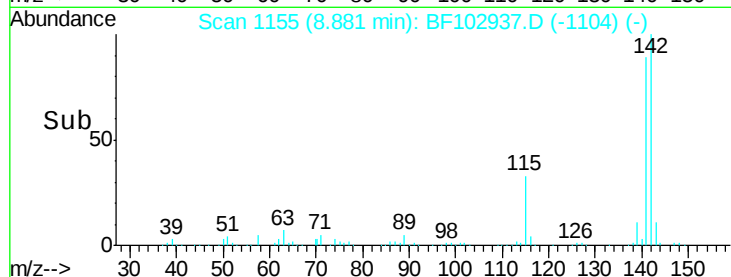
200000

100000

0

8.85 8.90

Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.92 min Scan# 1332

Delta R.T. 0.00 min

Lab File: BF102937.D

Acq: 12 Feb 2018 23:39

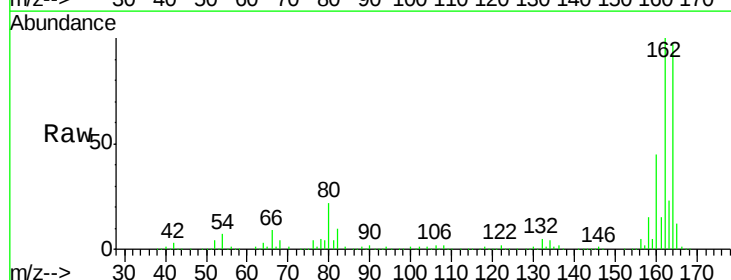
Tgt Ion:164 Resp: 281192

Ion Ratio Lower Upper

164 100

162 102.6 86.1 129.1

160 46.0 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

9.92

400000

300000

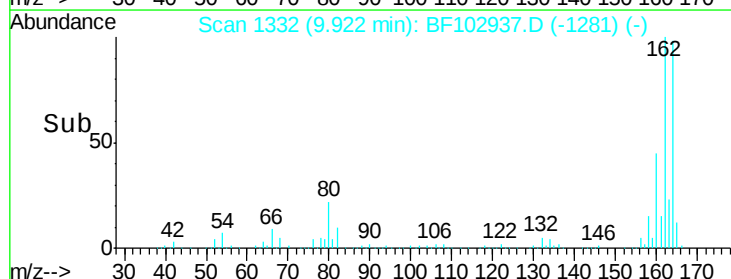
200000

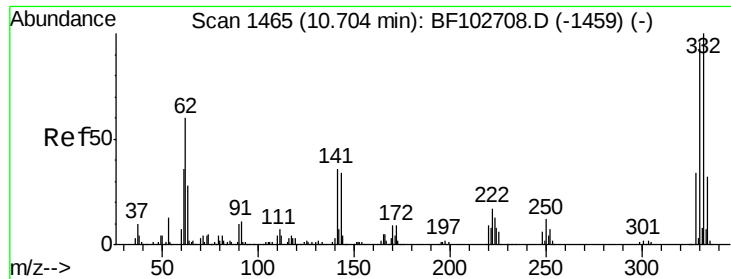
100000

0

9.85 9.90 9.95 10.00

Time-->

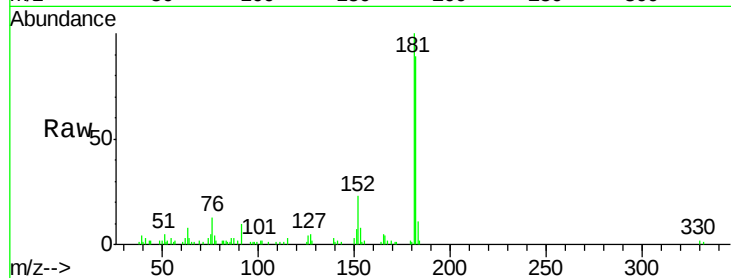




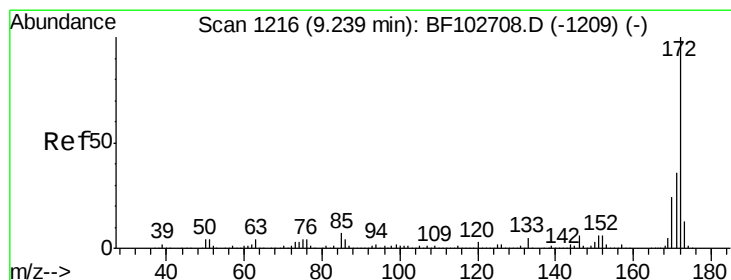
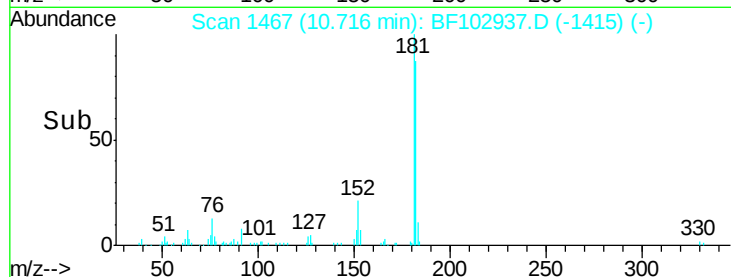
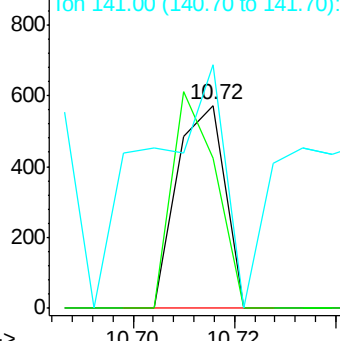
#41
 2,4,6-Tribromophenol
 Concen: 0.16 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.01 min
 Lab File: BF102937.D
 Acq: 12 Feb 2018 23:39

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 373
 Ion Ratio Lower Upper
 330 100
 332 97.9 77.0 115.6
 141 190.6 29.9 44.9#

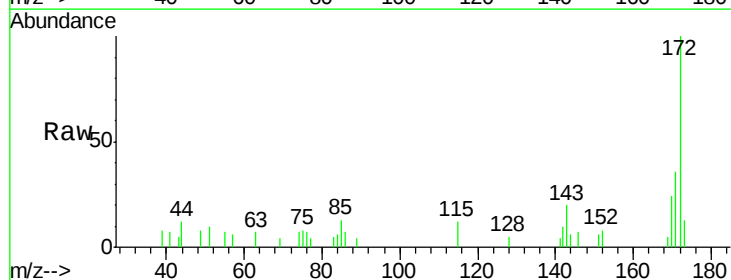


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

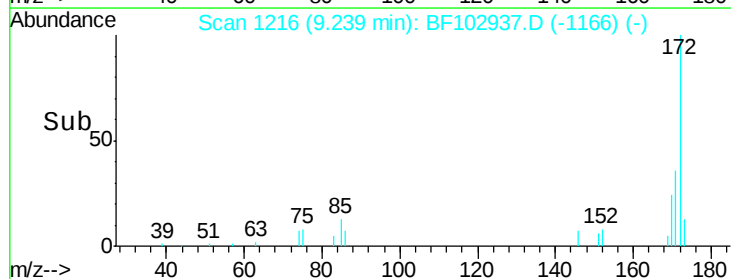
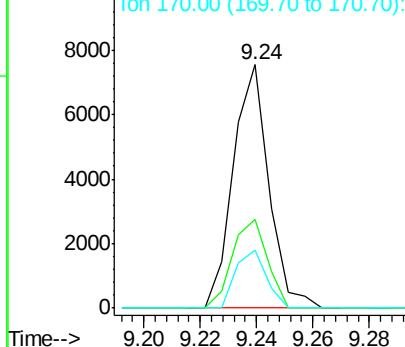


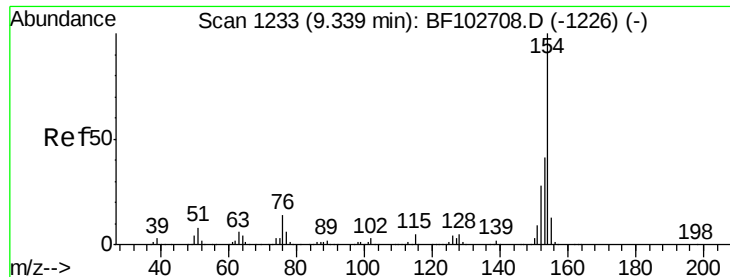
#44
 2-Fluorobiphenyl
 Concen: 0.39 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF102937.D
 Acq: 12 Feb 2018 23:39

Tgt Ion:172 Resp: 6586
 Ion Ratio Lower Upper
 172 100
 171 36.3 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

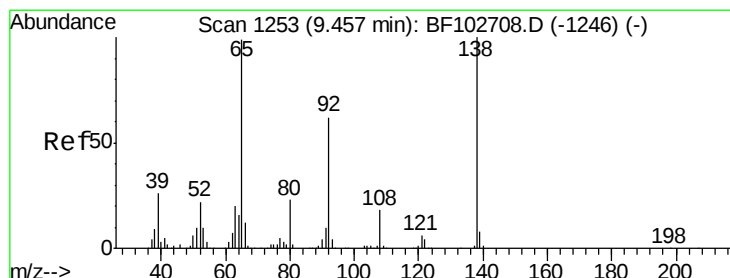
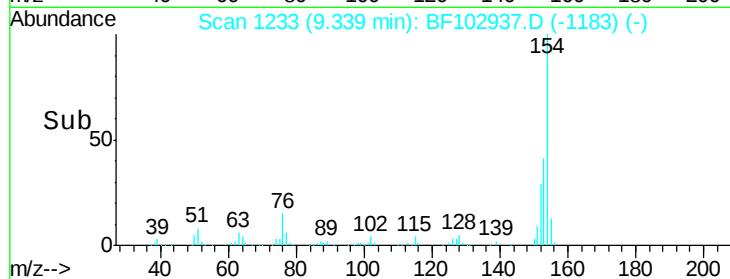
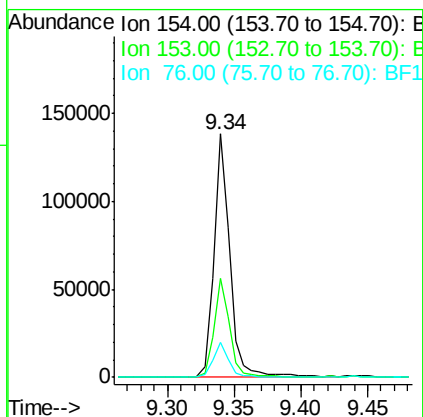
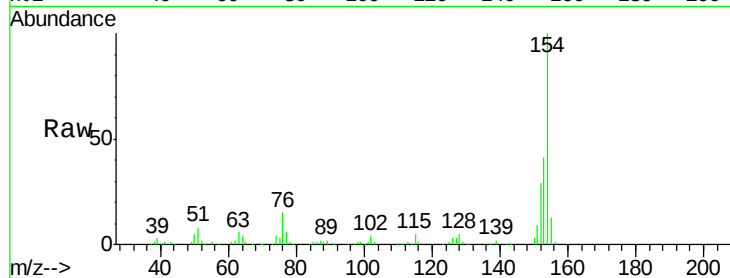




#45
 1,1'-Biphenyl
 Concen: 4.93 ng
 RT: 9.34 min Scan# 1233
 Delta R.T. -0.01 min
 Lab File: BF102937.D
 Acq: 12 Feb 2018 23:39

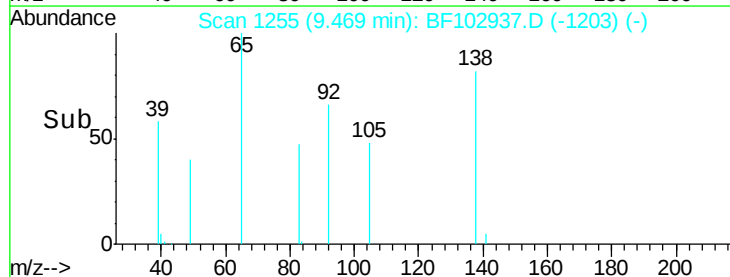
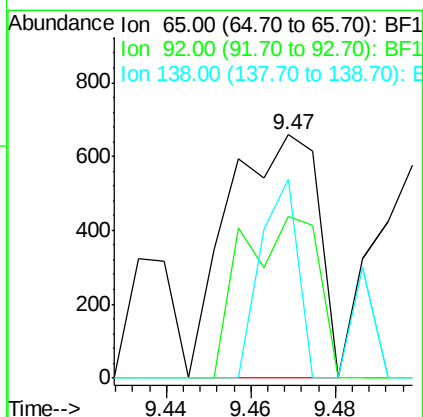
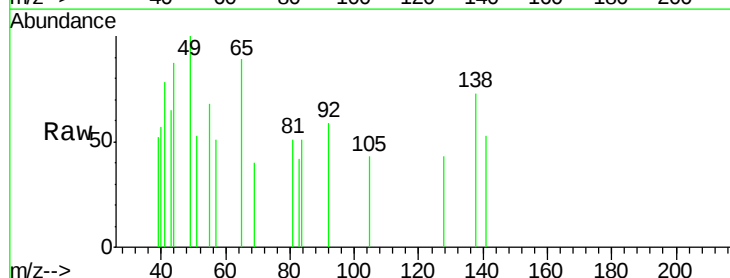
Instrument :
 BNA_F
 ClientSampleId :

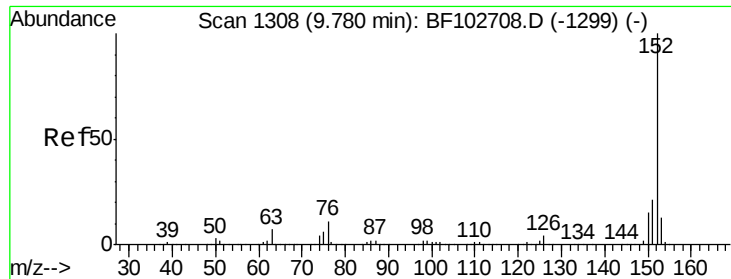
Tot Ion	Ratio	Lower	Upper
154	100		
153	40.8	21.3	61.3
76	14.6	0.0	34.0



#47
 2-Nitroaniline
 Concen: 3.63 ng
 RT: 9.47 min Scan# 1255
 Delta R.T. 0.01 min
 Lab File: BF102937.D
 Acq: 12 Feb 2018 23:39

Tgt Ion	Ratio	Lower	Upper
65	100		
92	66.5	55.8	83.6
138	81.8	91.2	136.8#





#48

Acenaphthylene

Concen: 20.81 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF102937.D

Acq: 12 Feb 2018 23:39

Instrument :

BNA_F

ClientSampleId :

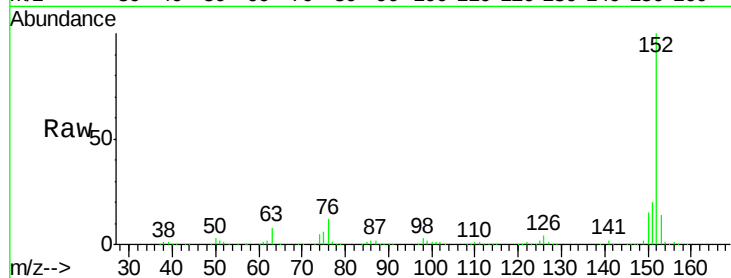
Tot Ion:152 Resp: 602554

Ion Ratio Lower Upper

152 100

151 20.0 16.3 24.5

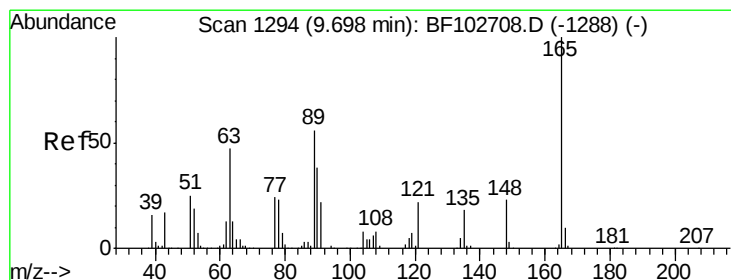
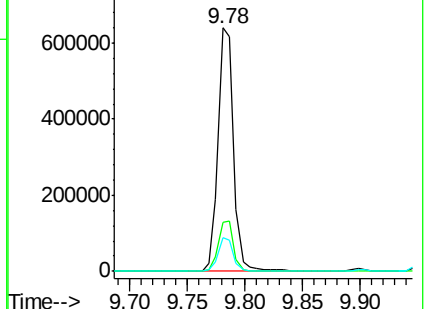
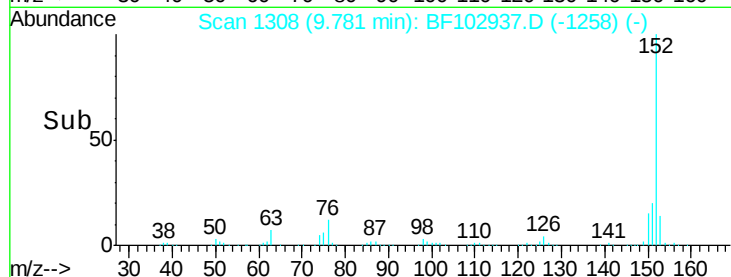
153 13.6 10.7 16.1



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: 9.87 ng

RT: 9.92 min Scan# 1332

Delta R.T. 0.22 min

Lab File: BF102937.D

Acq: 12 Feb 2018 23:39

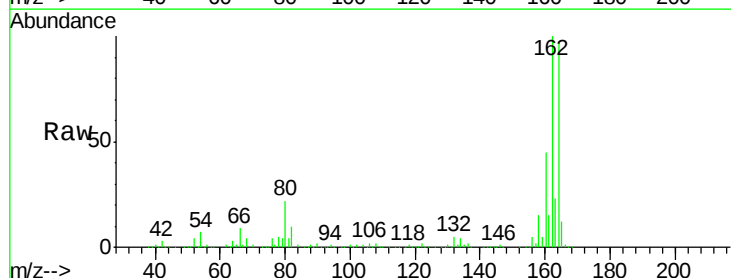
Tgt Ion:165 Resp: 41176

Ion Ratio Lower Upper

165 100

63 1.7 44.7 67.1#

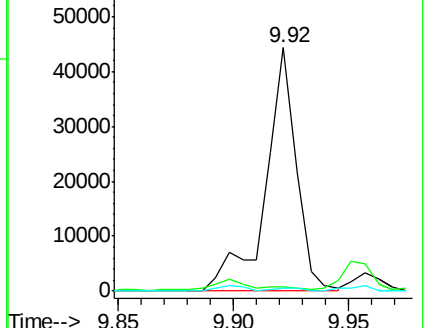
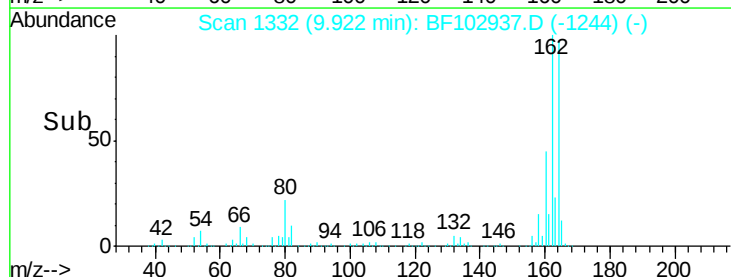
89 1.4 44.0 66.0#

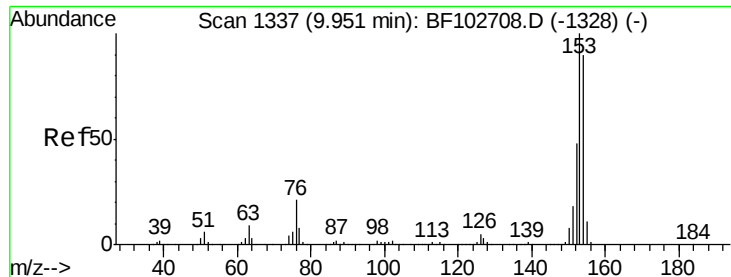


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 2.21 ng

RT: 9.96 min Scan# 1338

Delta R.T. 0.00 min

Lab File: BF102937.D

Acq: 12 Feb 2018 23:39

Instrument :

BNA_F

ClientSampleId :

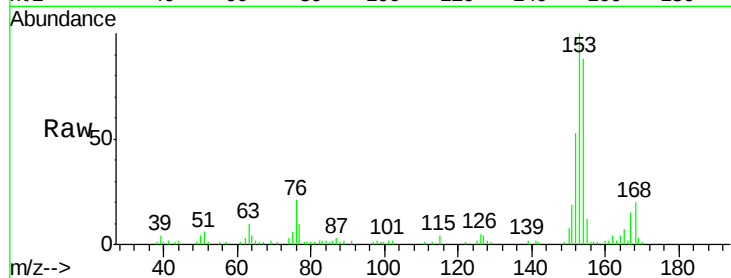
Tot Ion:154 Resp: 38223

Ion Ratio Lower Upper

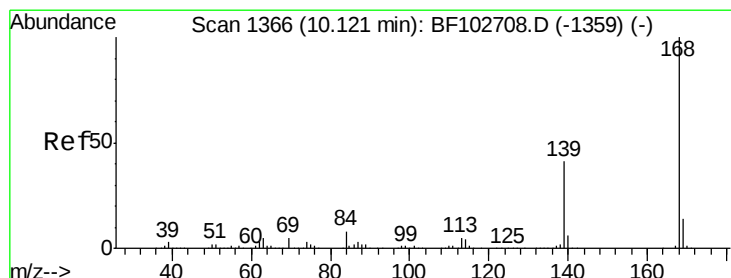
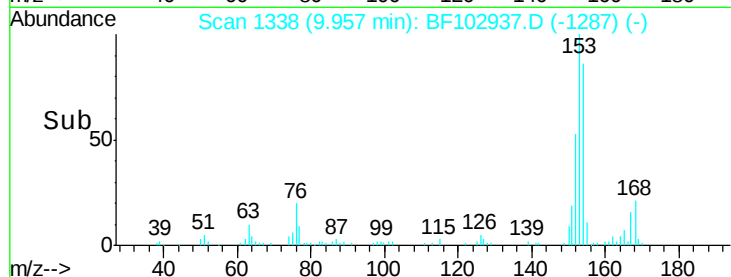
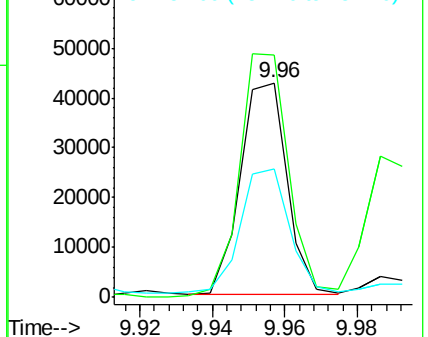
154 100

153 113.2 91.2 136.8

152 60.1 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: 16.73 ng

RT: 10.13 min Scan# 1367

Delta R.T. 0.00 min

Lab File: BF102937.D

Acq: 12 Feb 2018 23:39

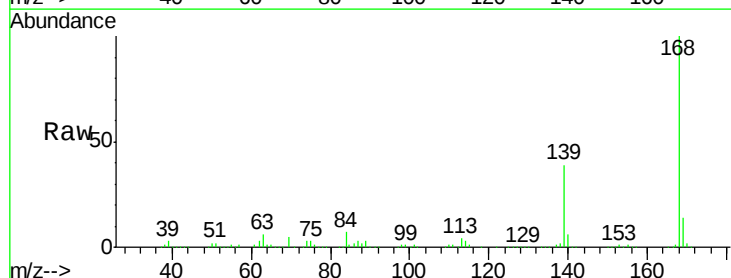
Tgt Ion:168 Resp: 408241

Ion Ratio Lower Upper

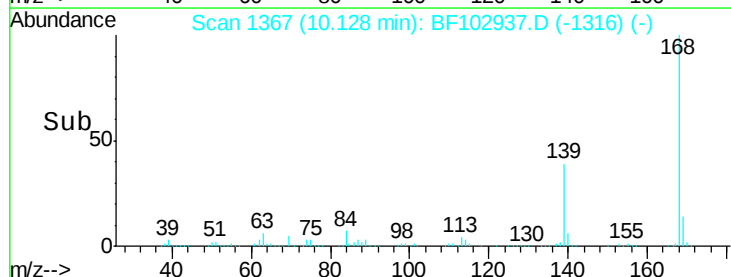
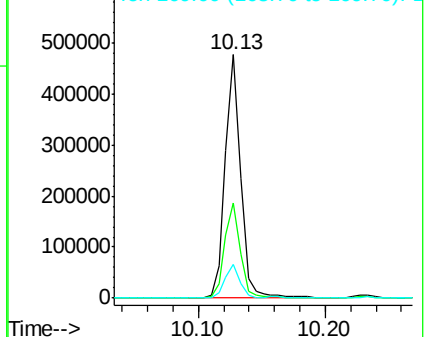
168 100

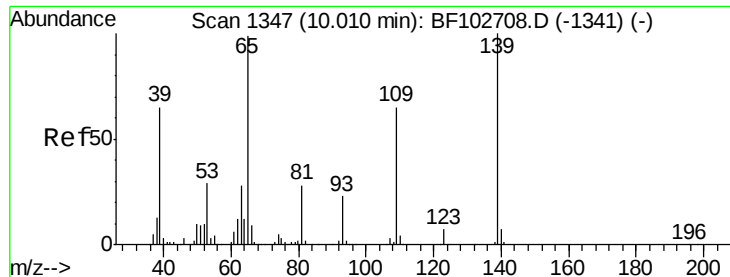
139 39.3 30.1 45.1

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

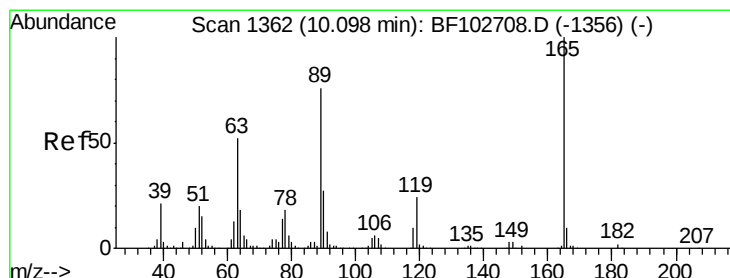
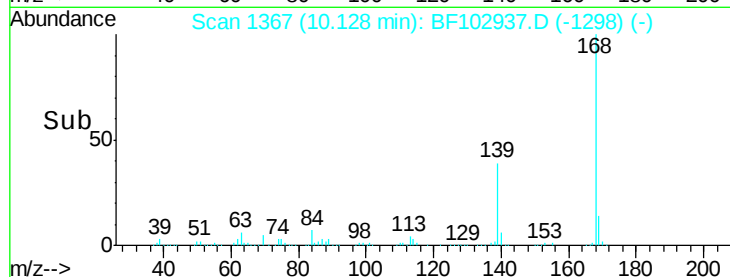
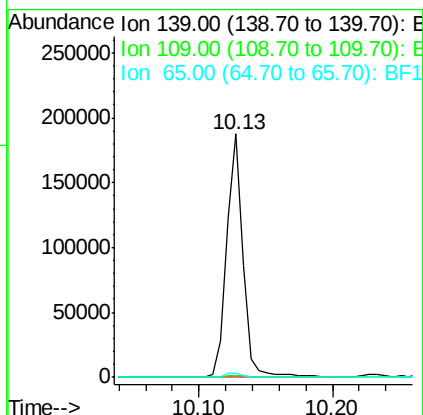
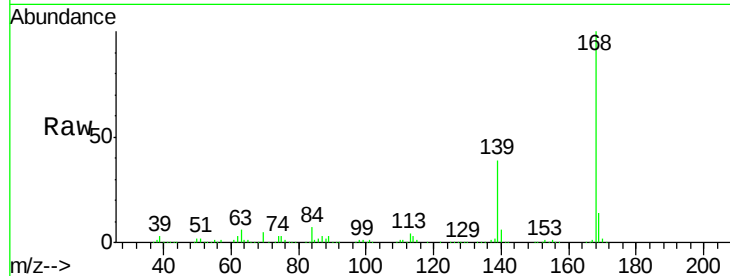




#55
4-Nitrophenol
Concen: 40.86 ng
RT: 10.13 min Scan# 1367
Delta R.T. 0.11 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

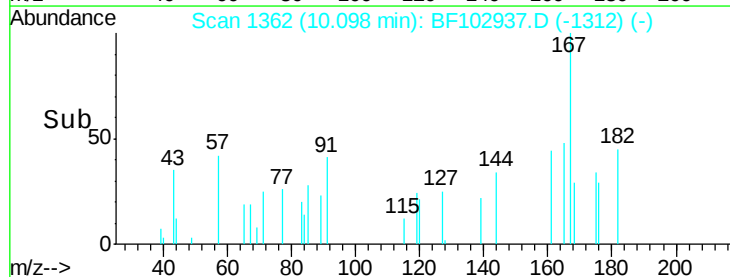
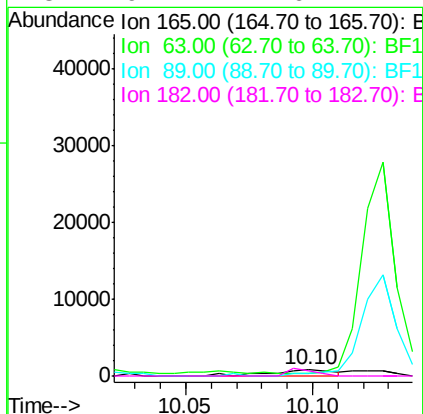
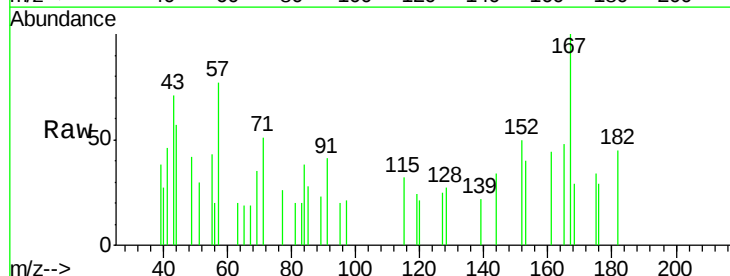
Instrument :
BNA_F
ClientSampled :

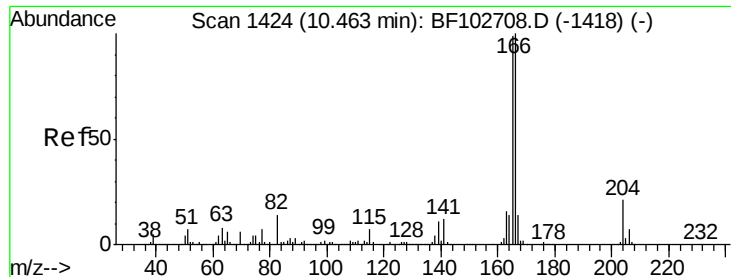
Tot Ion:139 Resp: 163591
Ion Ratio Lower Upper
139 100
109 0.9 48.4 88.4#
65 1.8 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 3.31 ng
RT: 10.10 min Scan# 1362
Delta R.T. -0.01 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Tgt Ion:165 Resp: 1405
Ion Ratio Lower Upper
165 100
63 42.3 36.4 54.6
89 48.5 57.8 86.6#
182 94.7 1.6 2.4#

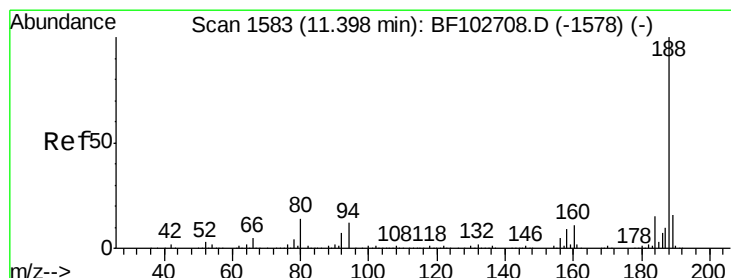
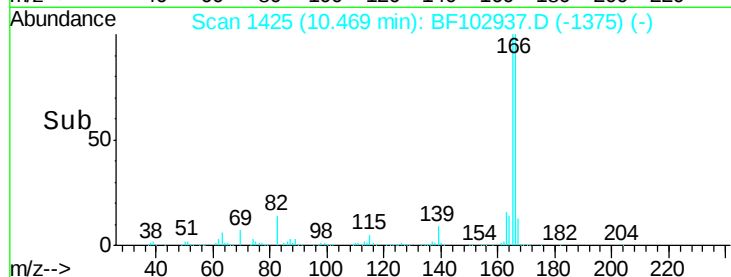
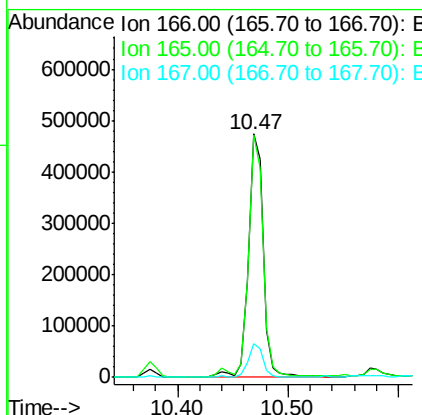
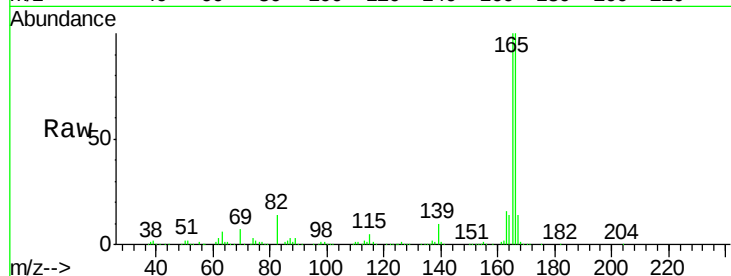




#57
 Fluorene
 Concen: 25.38 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: BF102937.D
 Acq: 12 Feb 2018 23:39

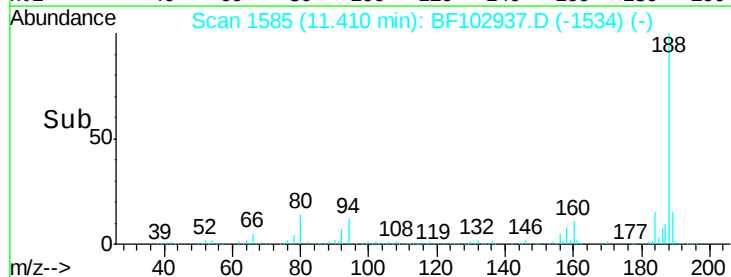
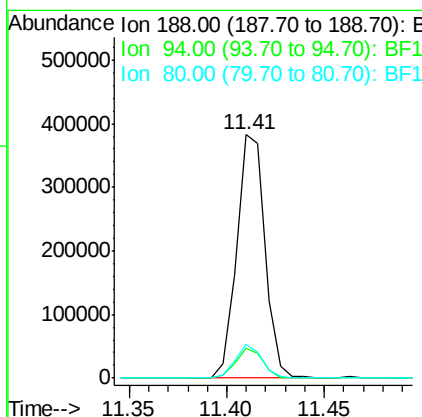
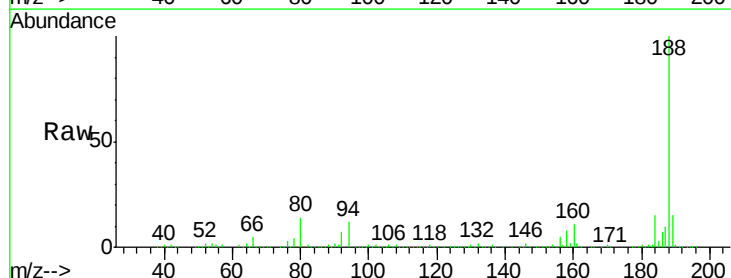
Instrument :
 BNA_F
 ClientSampleId :

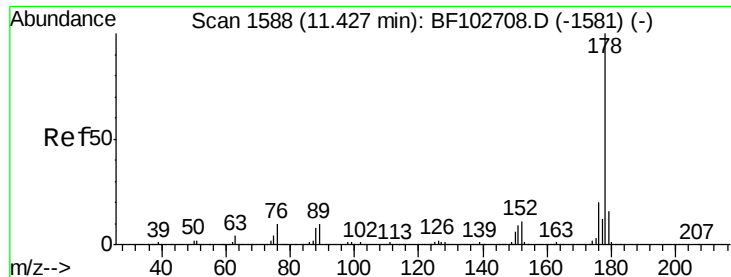
Tot Ion:166 Resp: 450745
 Ion Ratio Lower Upper
 166 100
 165 99.5 79.8 119.8
 167 13.6 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: BF102937.D
 Acq: 12 Feb 2018 23:39

Tgt Ion:188 Resp: 383028
 Ion Ratio Lower Upper
 188 100
 94 12.4 8.5 12.7
 80 13.8 9.2 13.8#





#70

Phenanthrene

Concen: 71.90 ng

RT: 11.44 min Scan# 1590

Delta R.T. 0.01 min

Lab File: BF102937.D

Acq: 12 Feb 2018 23:39

Instrument :

BNA_F

ClientSampleId :

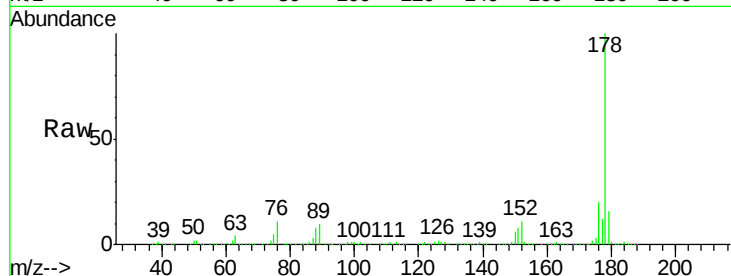
Tot Ion:178 Resp: 1533762

Ion Ratio Lower Upper

178 100

176 20.2 15.8 23.8

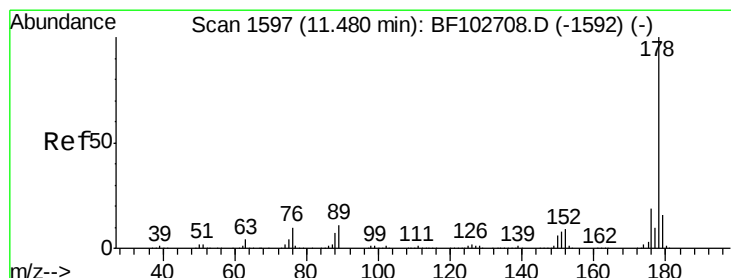
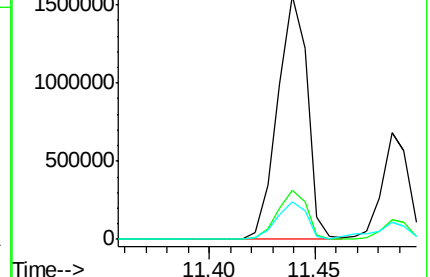
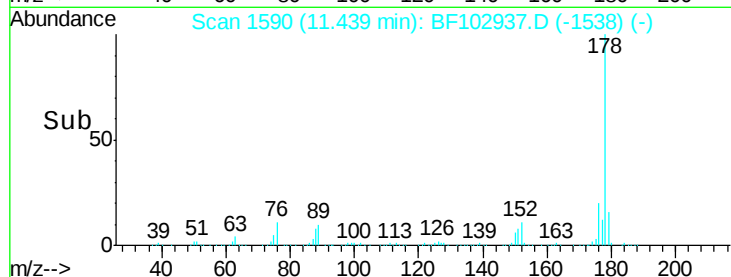
179 15.6 13.0 19.6



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: 28.74 ng

RT: 11.49 min Scan# 1598

Delta R.T. 0.00 min

Lab File: BF102937.D

Acq: 12 Feb 2018 23:39

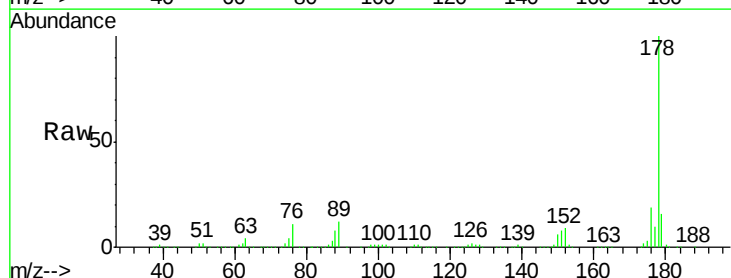
Tgt Ion:178 Resp: 623659

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

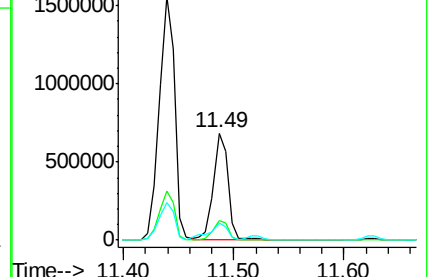
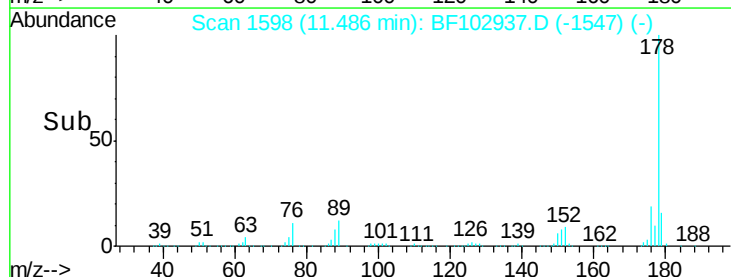
179 15.7 12.6 19.0

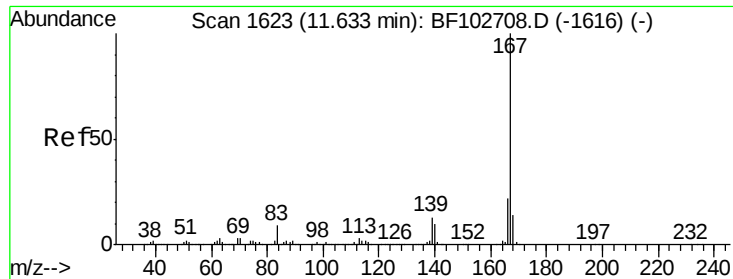


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 12.17 ng

RT: 11.64 min Scan# 1624

Delta R.T. 0.00 min

Lab File: BF102937.D

Acq: 12 Feb 2018 23:39

Instrument :

BNA_F

ClientSampleId :

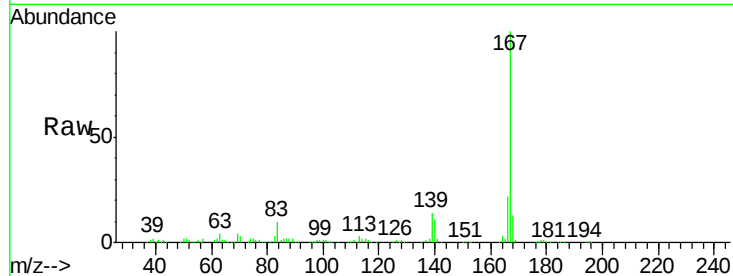
Tot Ion:167 Resp: 258655

Ion Ratio Lower Upper

167 100

166 21.8 17.6 26.4

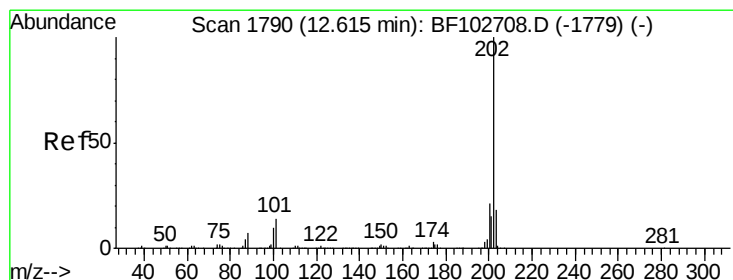
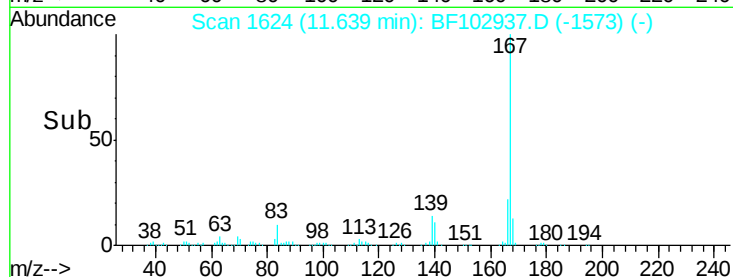
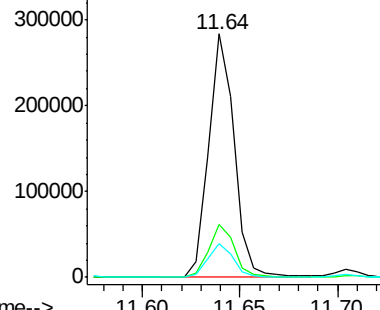
139 14.1 10.9 16.3



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: 53.21 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.01 min

Lab File: BF102937.D

Acq: 12 Feb 2018 23:39

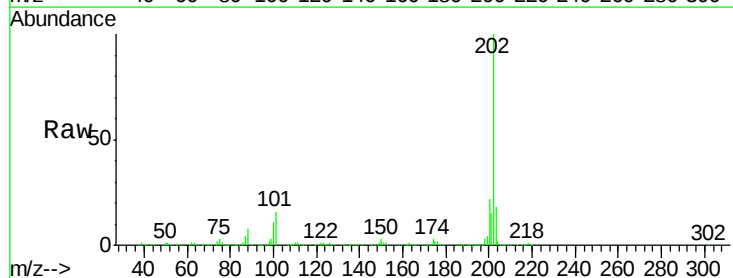
Tgt Ion:202 Resp: 1141962

Ion Ratio Lower Upper

202 100

101 15.6 0.0 34.1

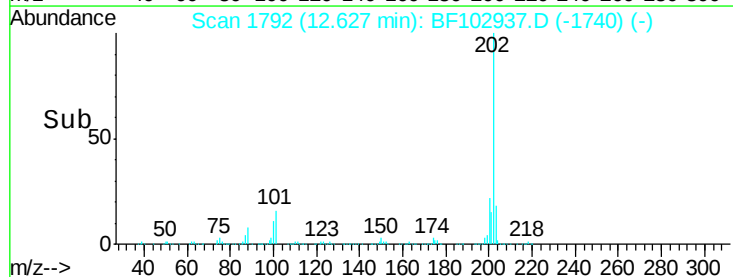
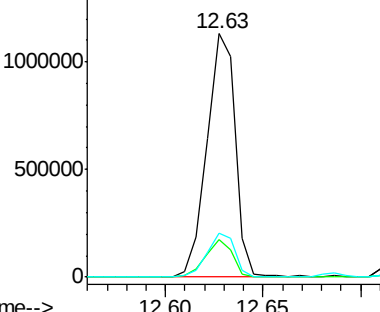
203 18.2 0.0 38.1

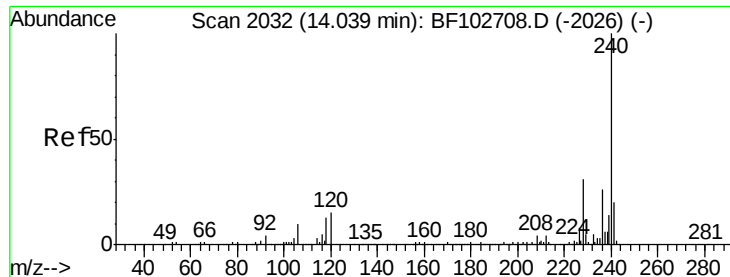


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BF102937.D

Acq: 12 Feb 2018 23:39

Instrument :

BNA_F

ClientSampleId :

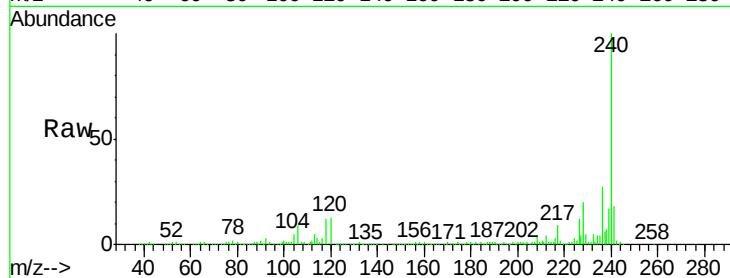
Tot Ion:240 Resp: 296253

Ion Ratio Lower Upper

240 100

120 13.4 9.5 14.3

236 27.1 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

14.06

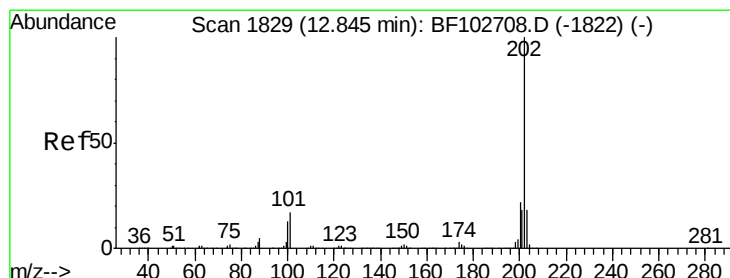
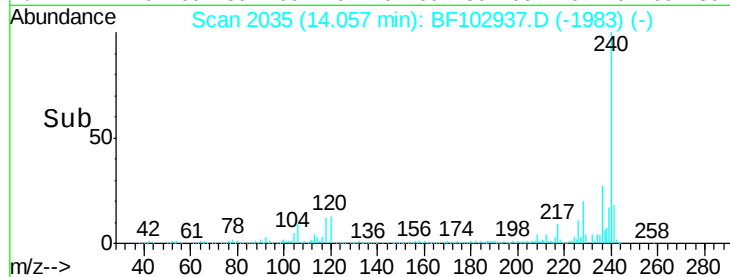
300000

200000

100000

0

Time-->



#77

Pyrene

Concen: 38.50 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.01 min

Lab File: BF102937.D

Acq: 12 Feb 2018 23:39

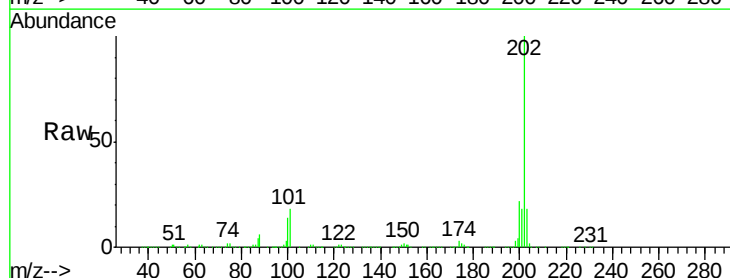
Tgt Ion:202 Resp: 894402

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

203 18.1 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

12.86

1200000

1000000

800000

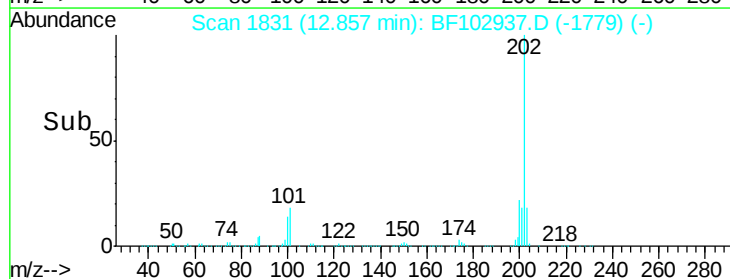
600000

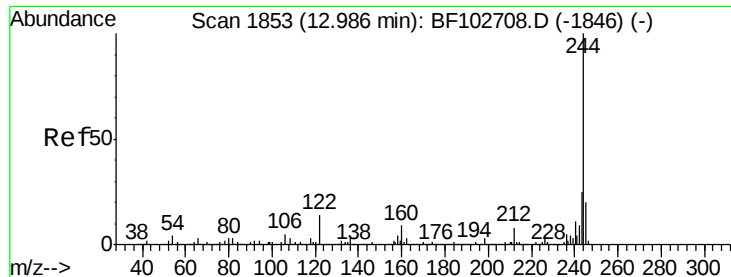
400000

200000

0

Time-->





#78

Terphenyl-d14

Concen: 0.40 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF102937.D

Acq: 12 Feb 2018 23:39

Instrument :

BNA_F

ClientSampleId :

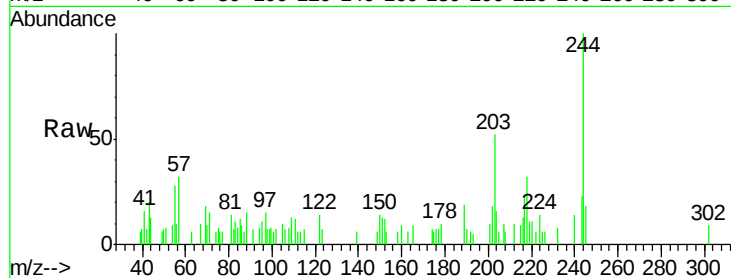
Tot Ion:244 Resp: 5010

Ion Ratio Lower Upper

244 100

212 10.1 5.4 8.0#

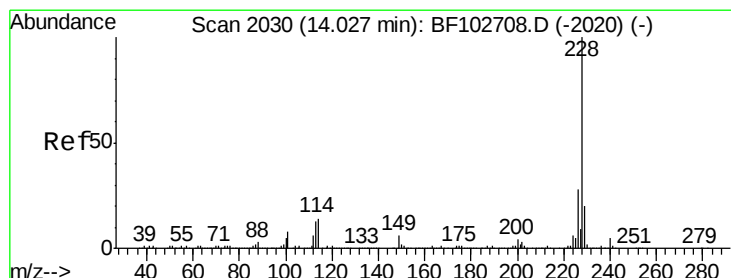
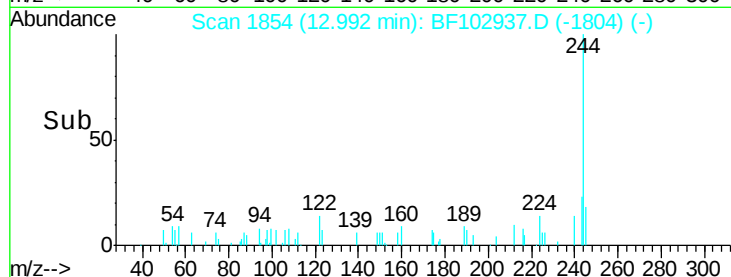
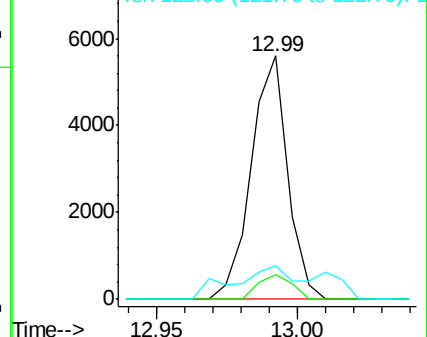
122 13.6 11.0 16.4



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: 21.67 ng

RT: 14.08 min Scan# 2039

Delta R.T. 0.04 min

Lab File: BF102937.D

Acq: 12 Feb 2018 23:39

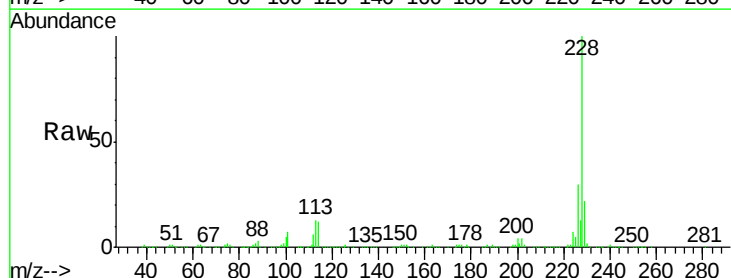
Tgt Ion:228 Resp: 403703

Ion Ratio Lower Upper

228 100

226 30.1 22.6 33.8

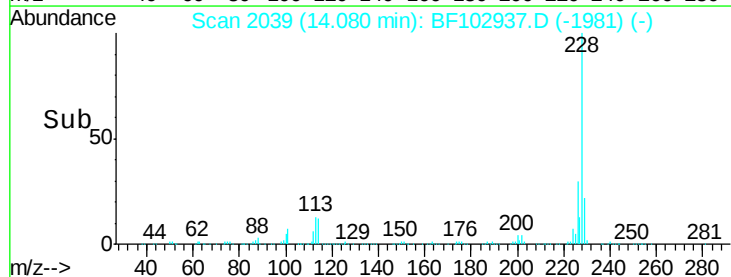
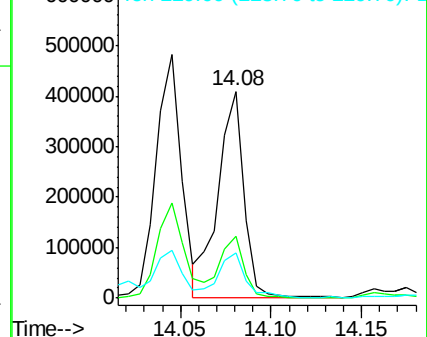
229 21.8 15.8 23.6

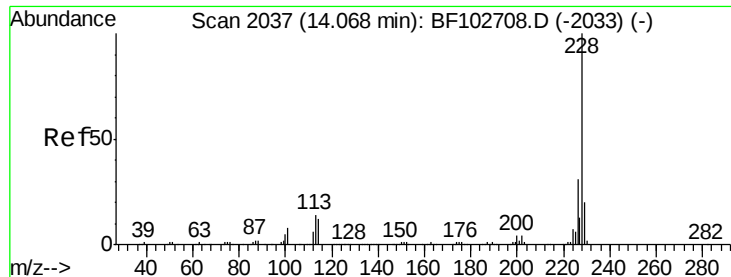


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 21.49 ng

RT: 14.08 min Scan# 2039

Delta R.T. 0.00 min

Lab File: BF102937.D

Acq: 12 Feb 2018 23:39

Instrument :

BNA_F

ClientSampleId :

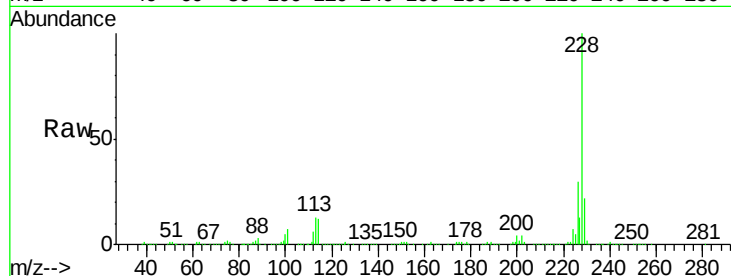
Tot Ion:228 Resp: 403703

Ion Ratio Lower Upper

228 100

226 30.1 25.0 37.6

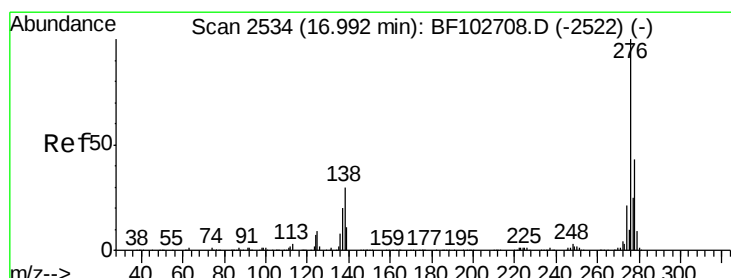
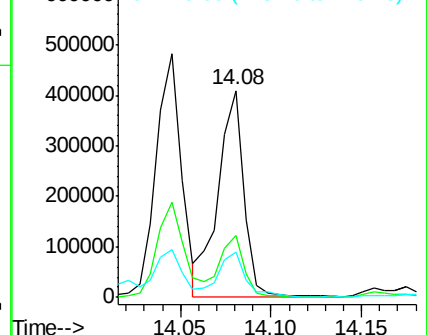
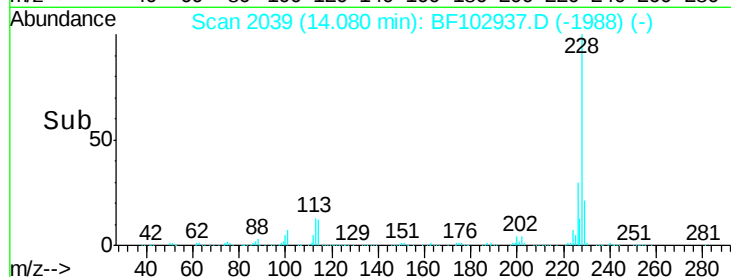
229 21.8 16.2 24.4



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: 8.59 ng

RT: 17.03 min Scan# 2541

Delta R.T. 0.02 min

Lab File: BF102937.D

Acq: 12 Feb 2018 23:39

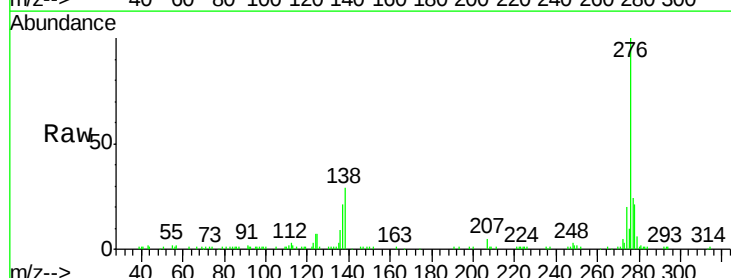
Tgt Ion:276 Resp: 133841

Ion Ratio Lower Upper

276 100

138 29.1 25.0 37.6

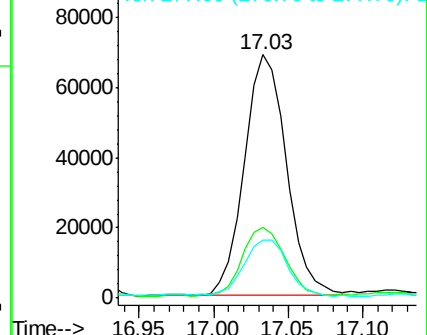
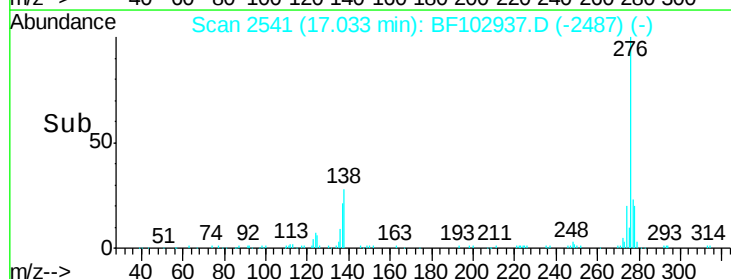
277 24.6 20.1 30.1

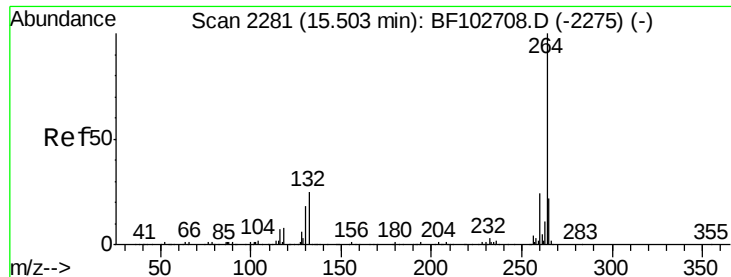


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

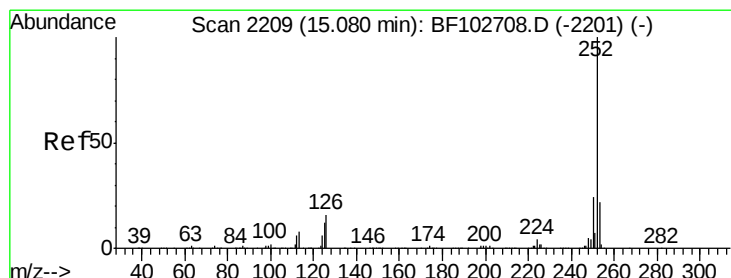
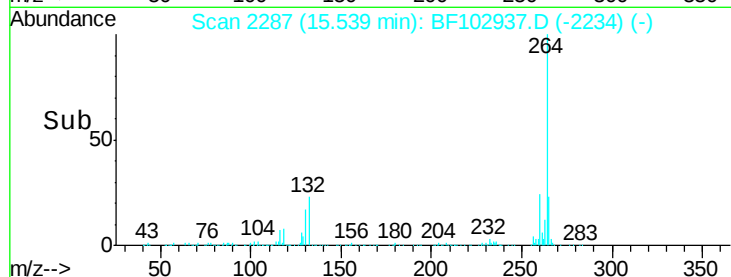
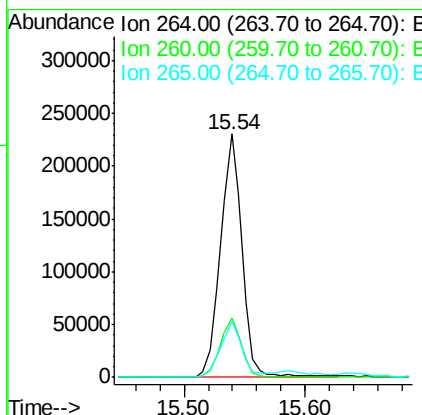
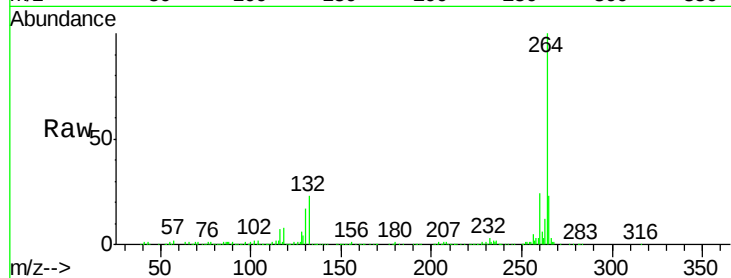




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.54 min Scan# 2287
 Delta R.T. 0.01 min
 Lab File: BF102937.D
 Acq: 12 Feb 2018 23:39

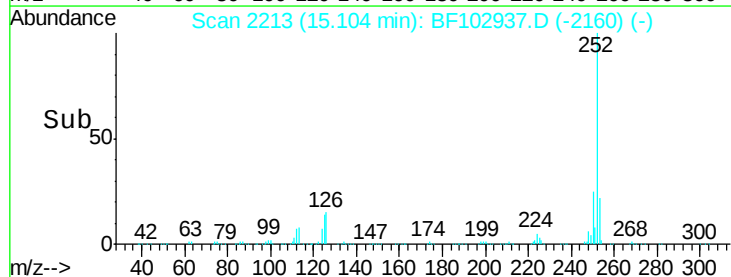
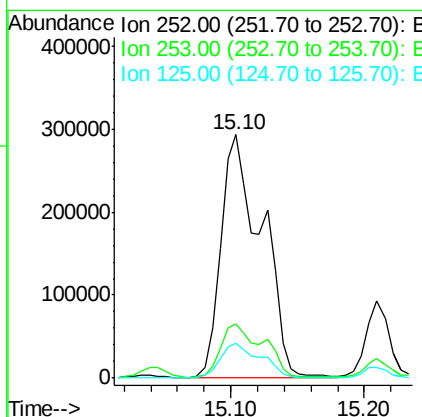
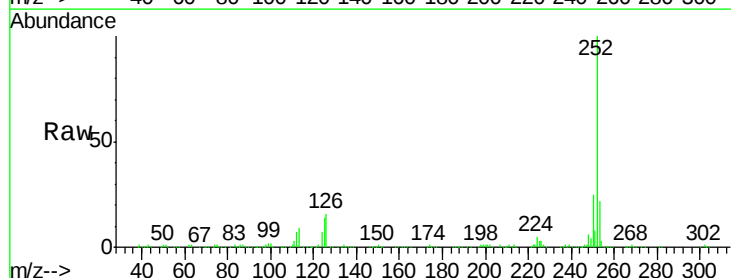
Instrument :
 BNA_F
 ClientSampleId :

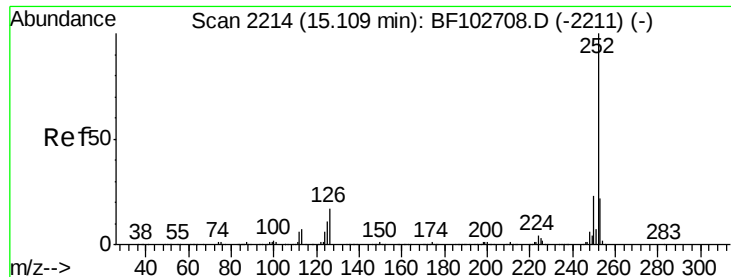
Tot Ion:264 Resp: 282477
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.2 28.8
 265 22.7 17.5 26.3



#87
 Benzo(b)fluoranthene
 Concen: 34.08 ng
 RT: 15.10 min Scan# 2213
 Delta R.T. 0.01 min
 Lab File: BF102937.D
 Acq: 12 Feb 2018 23:39

Tgt Ion:252 Resp: 624116
 Ion Ratio Lower Upper
 252 100
 253 22.4 17.0 25.6
 125 14.2 9.0 13.6#

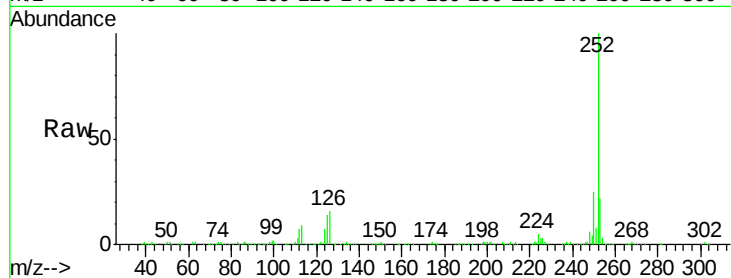




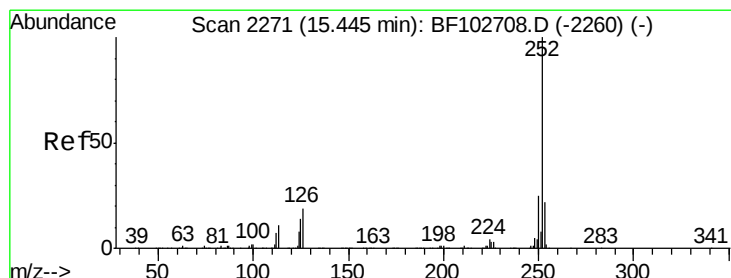
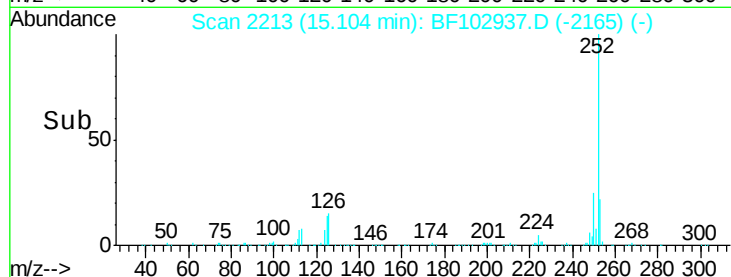
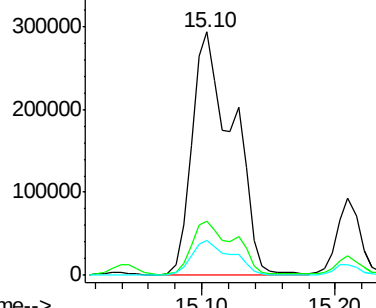
#88
Benzo(k)fluoranthene
Concen: 35.67 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.02 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 624116
Ion Ratio Lower Upper
252 100
253 22.4 17.9 26.9
125 14.2 10.2 15.2

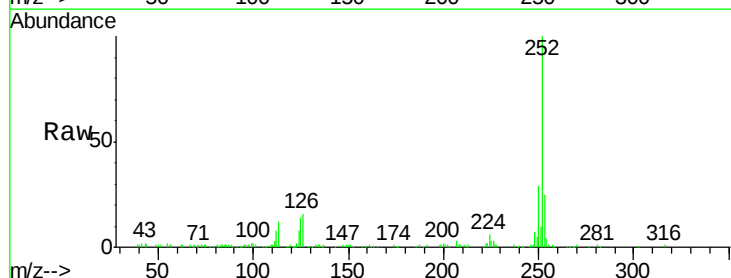


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

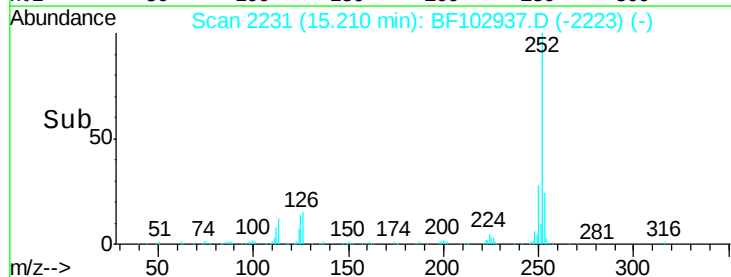
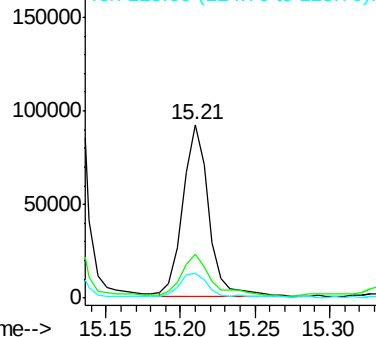


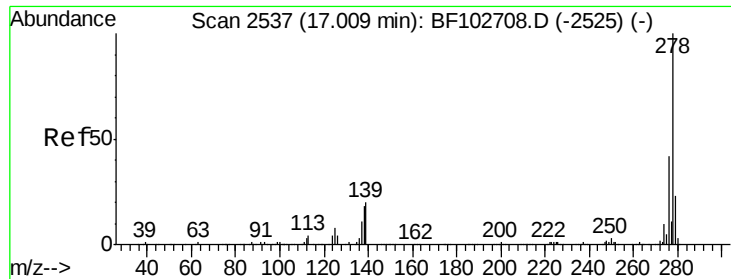
#89
Benzo(a)pyrene
Concen: 6.71 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.25 min
Lab File: BF102937.D
Acq: 12 Feb 2018 23:39

Tgt Ion:252 Resp: 110686
Ion Ratio Lower Upper
252 100
253 25.3 17.1 25.7
125 14.4 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: 2.42 ng

RT: 17.22 min Scan# 2572

Delta R.T. 0.18 min

Lab File: BF102937.D

Acq: 12 Feb 2018 23:39

Instrument :

BNA_F

ClientSampleId :

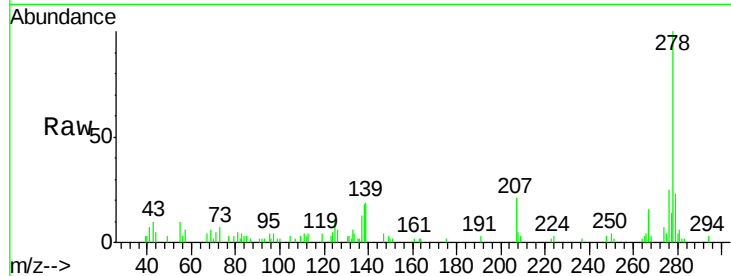
Tot Ion:278 Resp: 32412

Ion Ratio Lower Upper

278 100

139 18.7 15.9 23.9

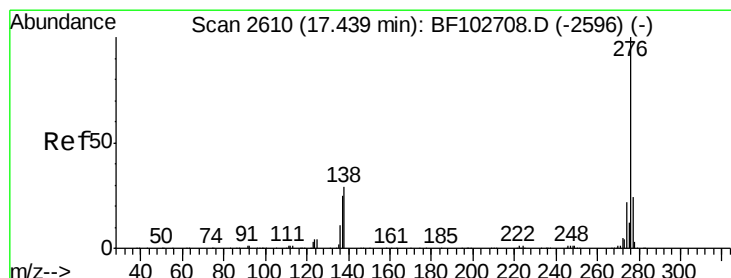
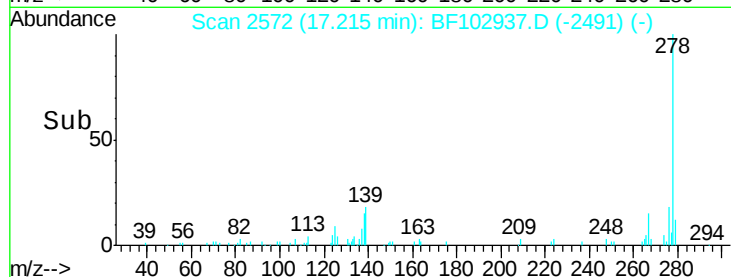
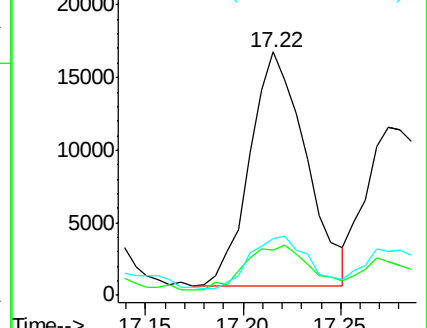
279 23.2 19.0 28.4



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: 8.63 ng

RT: 17.49 min Scan# 2619

Delta R.T. 0.02 min

Lab File: BF102937.D

Acq: 12 Feb 2018 23:39

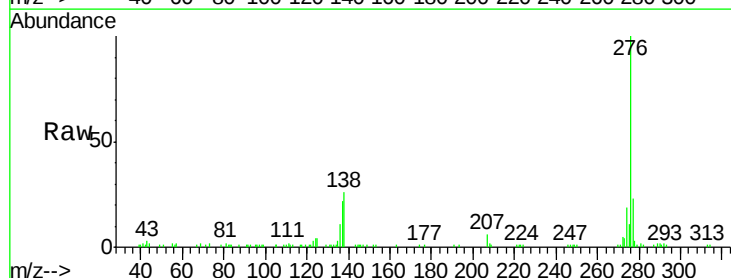
Tgt Ion:276 Resp: 113000

Ion Ratio Lower Upper

276 100

277 22.9 17.9 26.9

138 25.5 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

