

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021218\
 Data File : BF102940.D
 Acq On : 13 Feb 2018 1:00
 Operator : SJ/JU
 Sample : J1522-03 50X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 13 02:23:26 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	162706	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	659548	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	274058	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	392479	20.00	ng	0.00
75) Chrysene-d12	14.05	240	300664	20.00	ng	0.00
86) Perylene-d12	15.54	264	268229	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	3961	0.37	ng	0.00
7) Phenol-d6	6.50	99	5267	0.41	ng	0.00
23) Nitrobenzene-d5	7.44	82	3468	0.36	ng	-0.01
41) 2,4,6-Tribromophenol	10.72	330	452	0.20	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	7468	0.45	ng	0.00
78) Terphenyl-d14	12.99	244	5537	0.44	ng	0.00

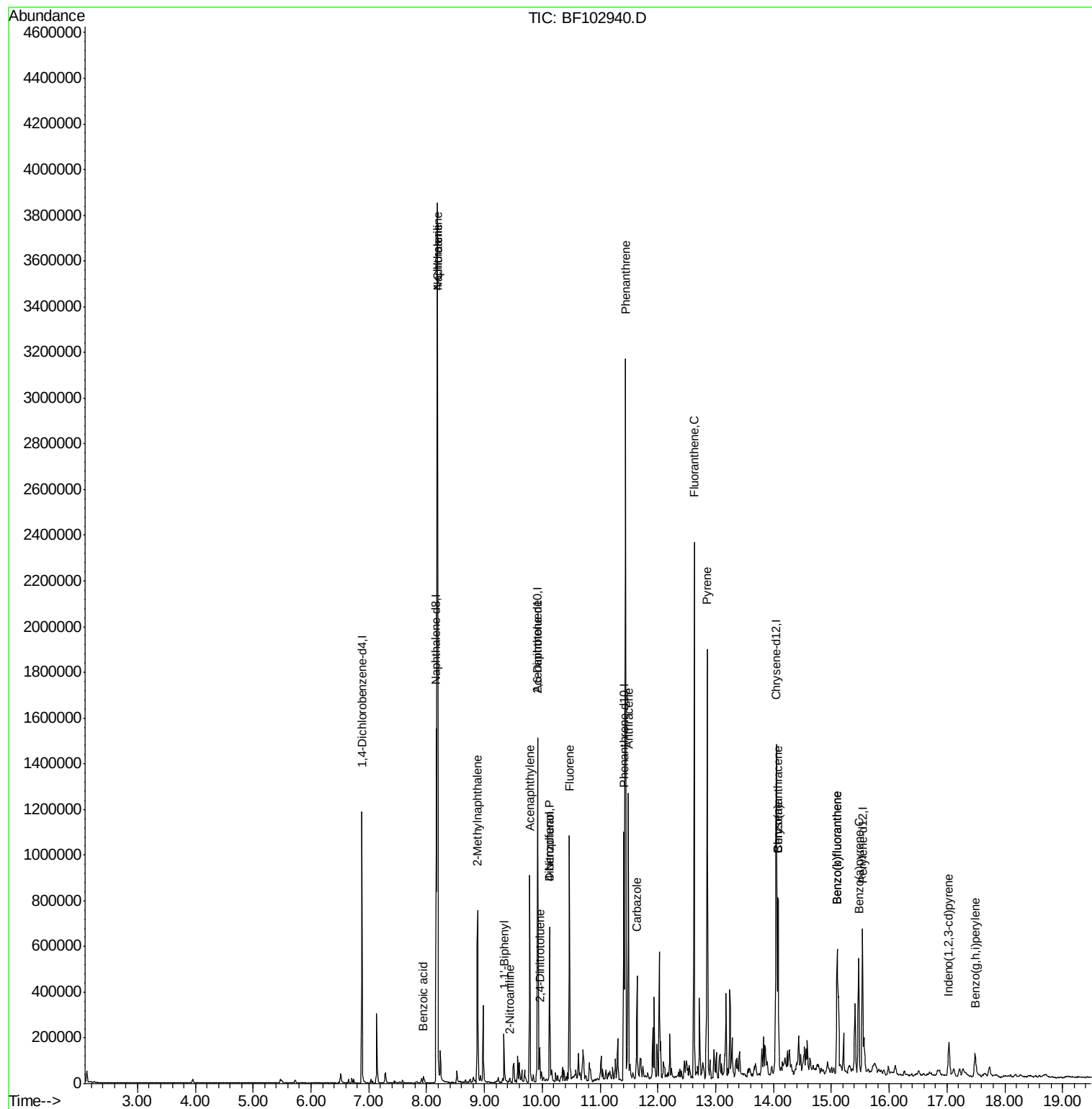
Target Compounds				Qvalue		
24) Nitrobenzene	7.52	77	556	Below Cal	#	38
31) Naphthalene	8.19	128	1643208	50.99	ng	100
32) Benzoic acid	7.95	122	4772	9.25	ng	15
33) 4-Chloroaniline	8.19	127	220557	15.89	ng	34
37) 2-Methylnaphthalene	8.88	142	205452	9.74	ng	99
45) 1,1'-Biphenyl	9.34	154	67781	2.94	ng	94
47) 2-Nitroaniline	9.44	65	109	3.49	ng	# 2
48) Acenaphthylene	9.78	152	381347	13.51	ng	99
50) 2,6-Dinitrotoluene	9.92	165	38409	9.45	ng	# 26
54) Dibenzofuran	10.13	168	258195	10.85	ng	98
55) 4-Nitrophenol	10.13	139	103657	27.97	ng	# 10
56) 2,4-Dinitrotoluene	9.96	165	2097	3.44	ng	# 1
57) Fluorene	10.47	166	296051	17.11	ng	97
70) Phenanthrene	11.44	178	1128160	51.61	ng	99
71) Anthracene	11.49	178	439108	19.75	ng	100
72) Carbazole	11.64	167	166631	7.65	ng	98
74) Fluoranthene	12.63	202	871773	39.64	ng	99
77) Pyrene	12.86	202	688408	29.20	ng	98
80) Benzo(a)anthracene	14.08	228	291559	15.42	ng	96
82) Chrysene	14.08	228	291559	15.30	ng	97
85) Indeno(1,2,3-cd)pyrene	17.03	276	91748	5.80	ng	95
87) Benzo(b)fluoranthene	15.10	252	430978	24.78	ng	# 94
88) Benzo(k)fluoranthene	15.10	252	430978	25.94	ng	97
89) Benzo(a)pyrene	15.47	252	229902	14.69	ng	97
91) Benzo(g,h,i)perylene	17.49	276	77403	6.22	ng	99

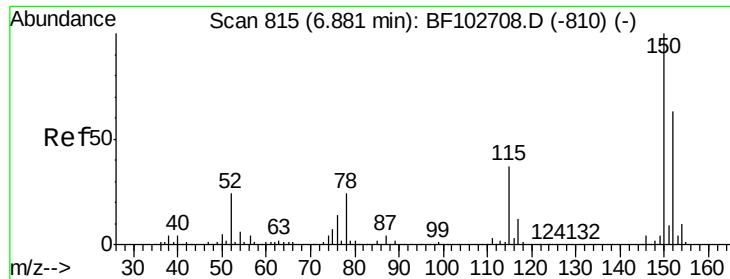
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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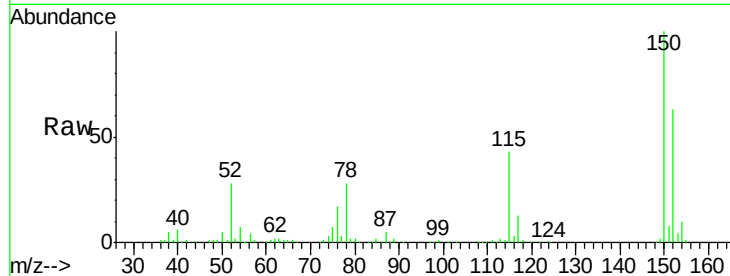




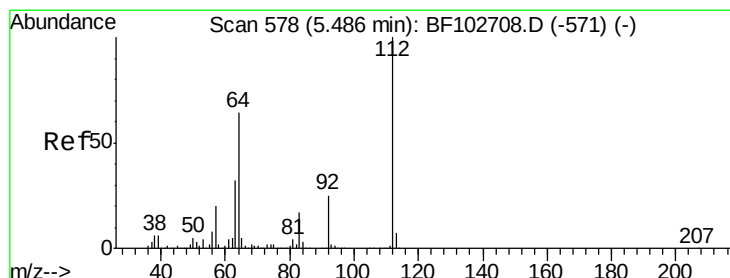
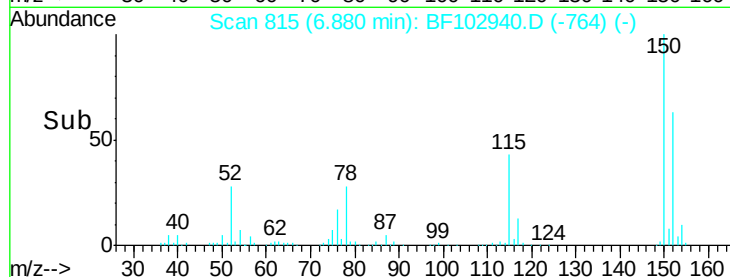
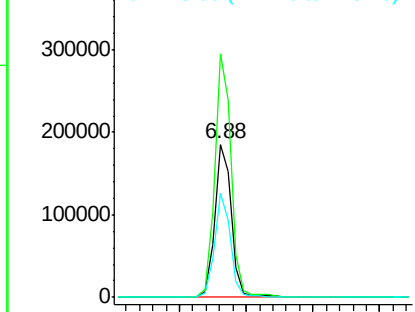
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.88 min Scan# 815
 Delta R.T. -0.00 min
 Lab File: BF102940.D
 Acq: 13 Feb 2018 1:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 162706
 Ion Ratio Lower Upper
 152 100
 150 159.0 124.6 186.8
 115 67.8 50.1 75.1

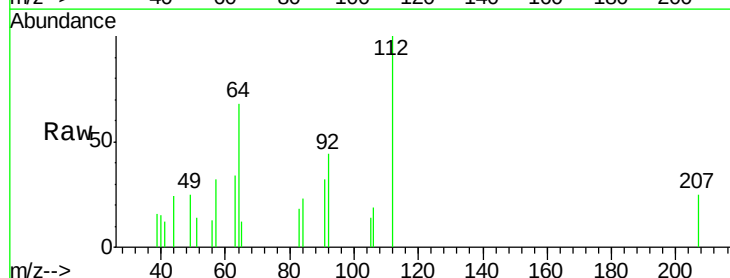


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

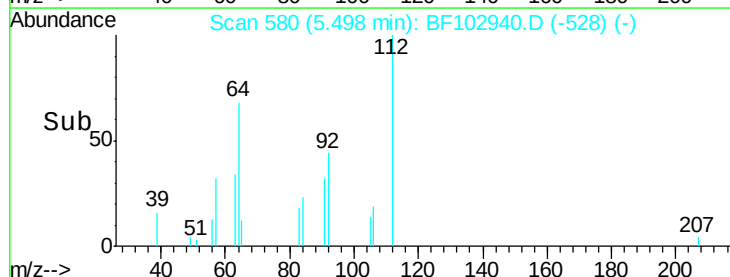
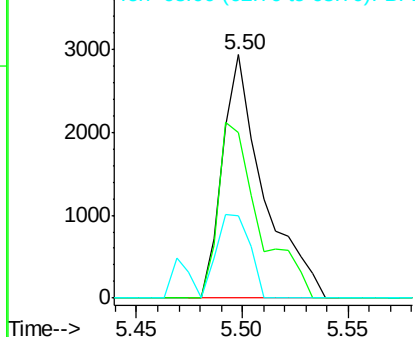


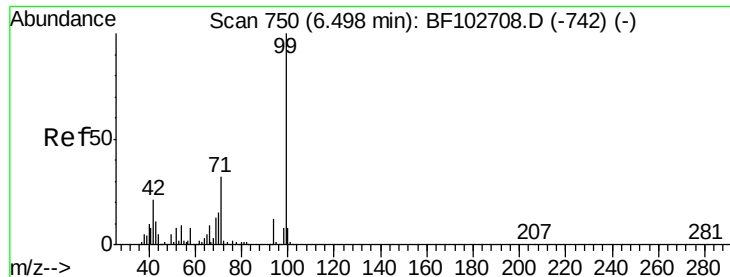
#5
 2-Fluorophenol
 Concen: 0.37 ng
 RT: 5.50 min Scan# 580
 Delta R.T. 0.01 min
 Lab File: BF102940.D
 Acq: 13 Feb 2018 1:00

Tgt Ion:112 Resp: 3961
 Ion Ratio Lower Upper
 112 100
 64 67.9 47.9 71.9
 63 33.9 23.7 35.5



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





#7

Phenol-d6

Concen: 0.41 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF102940.D

Acq: 13 Feb 2018 1:00

Instrument :

BNA_F

ClientSampleId :

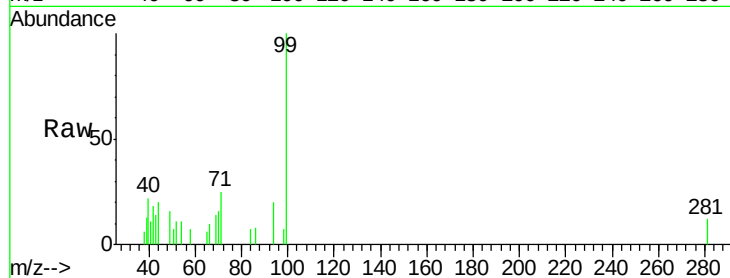
Tot Ion: 99 Resp: 5267

Ion Ratio Lower Upper

99 100

42 18.2 14.5 21.7

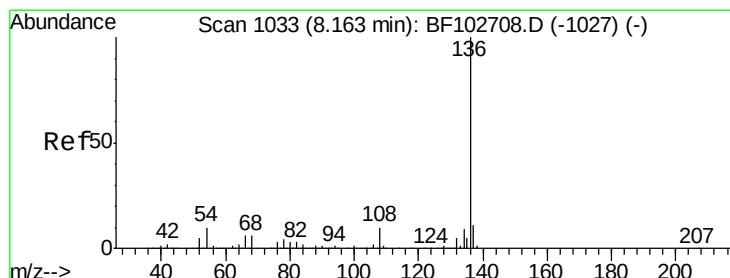
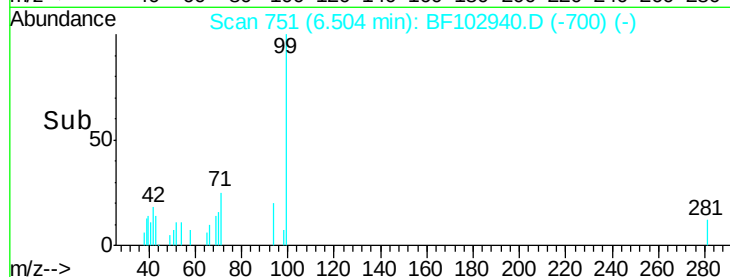
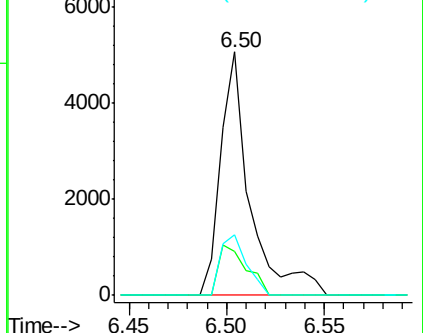
71 24.7 25.4 38.0#



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: 20.00 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BF102940.D

Acq: 13 Feb 2018 1:00

Tgt Ion: 136 Resp: 659548

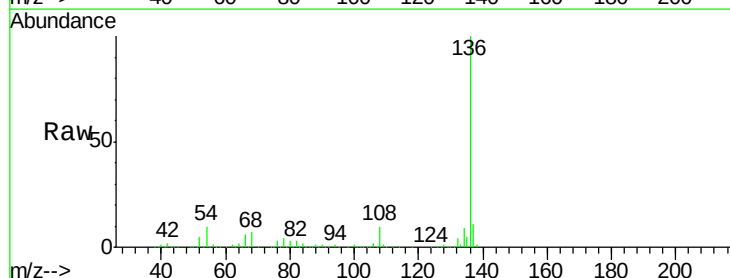
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.6 6.6 9.8

68 6.6 5.0 7.4

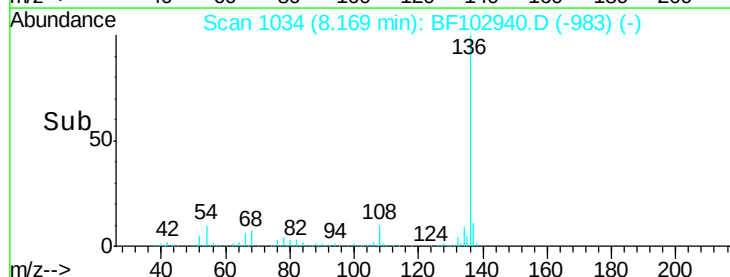
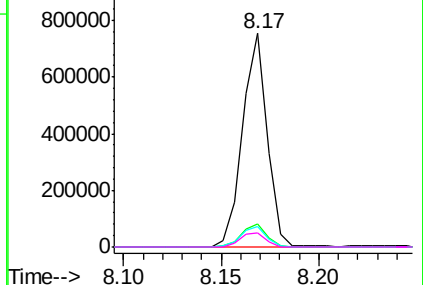


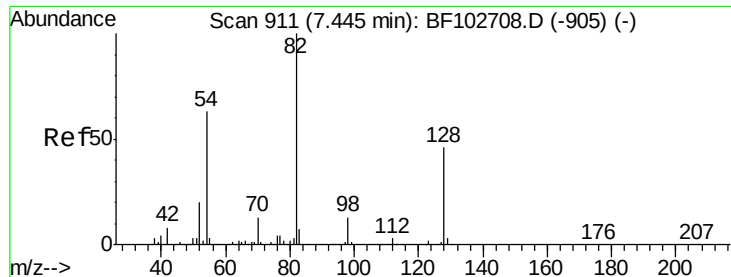
Abundance Ion 136.00 (135.70 to 136.70): E

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





#23

Nitrobenzene-d5

Concen: 0.36 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF102940.D

Acq: 13 Feb 2018 1:00

Instrument :

BNA_F

ClientSampleId :

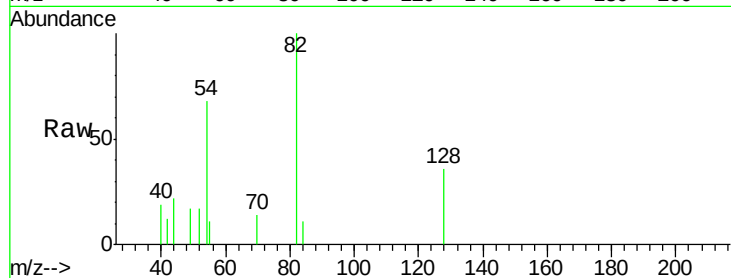
Tot Ion: 82 Resp: 3468

Ion Ratio Lower Upper

82 100

128 36.3 36.1 54.1

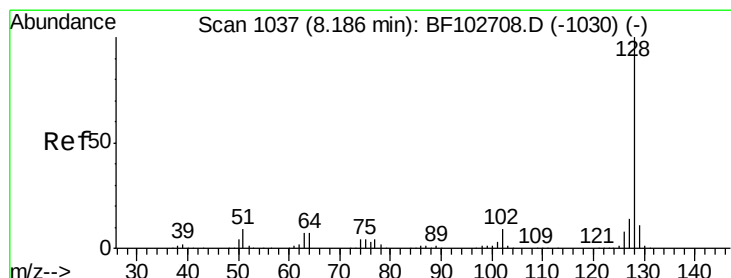
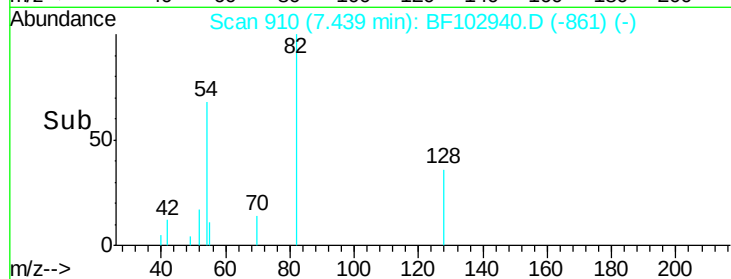
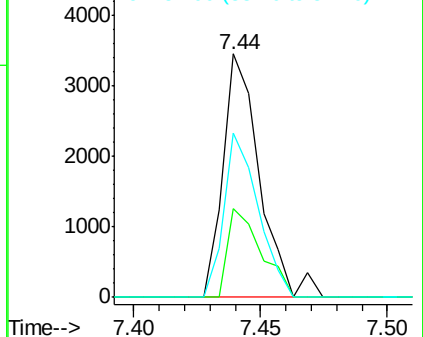
54 67.6 41.4 62.2#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



#31

Naphthalene

Concen: 50.99 ng

RT: 8.19 min Scan# 1038

Delta R.T. -0.00 min

Lab File: BF102940.D

Acq: 13 Feb 2018 1:00

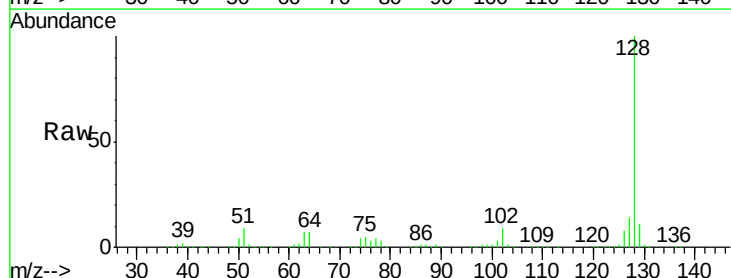
Tgt Ion: 128 Resp: 1643208

Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

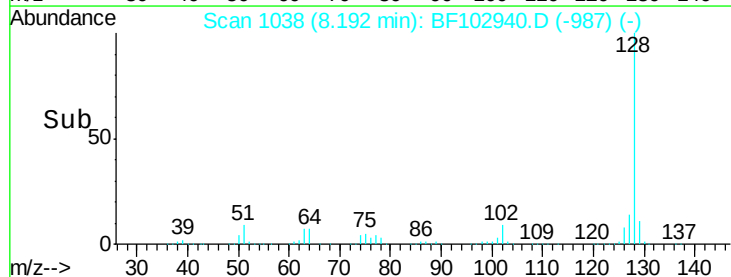
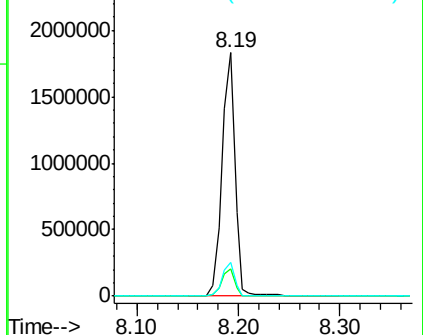
127 13.6 10.9 16.3

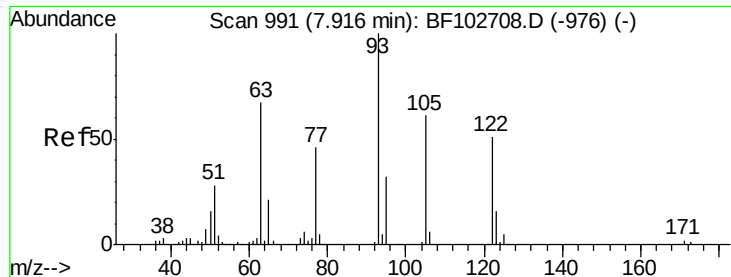


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 9.25 ng

RT: 7.95 min Scan# 997

Delta R.T. 0.02 min

Lab File: BF102940.D

Acq: 13 Feb 2018 1:00

Instrument :

BNA_F

ClientSampleId :

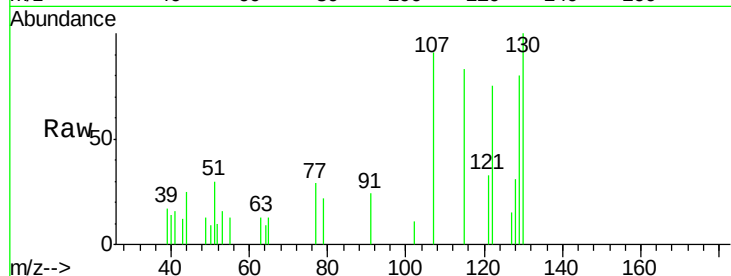
Tot Ion:122 Resp: 4772

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

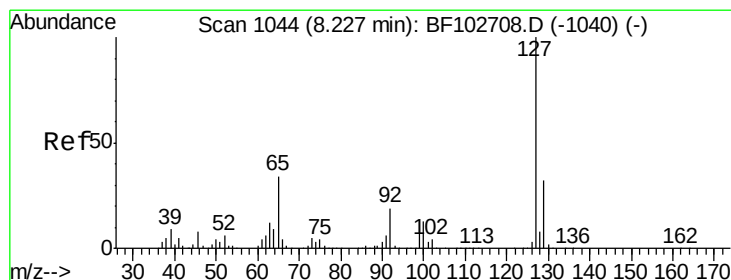
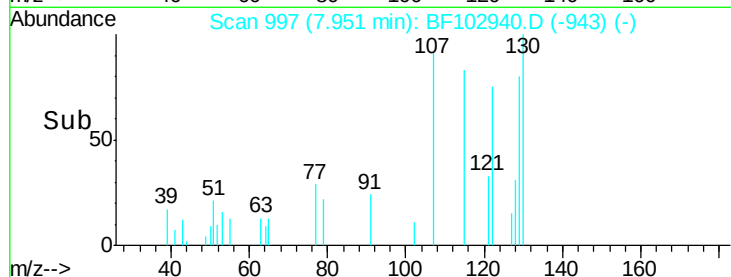
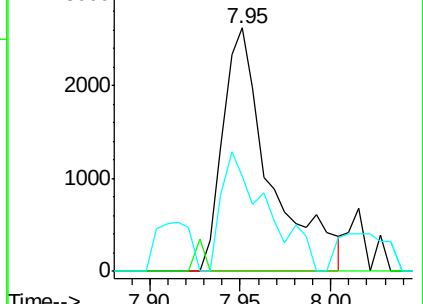
77 38.8 70.7 110.7#



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: 15.89 ng

RT: 8.19 min Scan# 1038

Delta R.T. -0.04 min

Lab File: BF102940.D

Acq: 13 Feb 2018 1:00

Tgt Ion:127 Resp: 220557

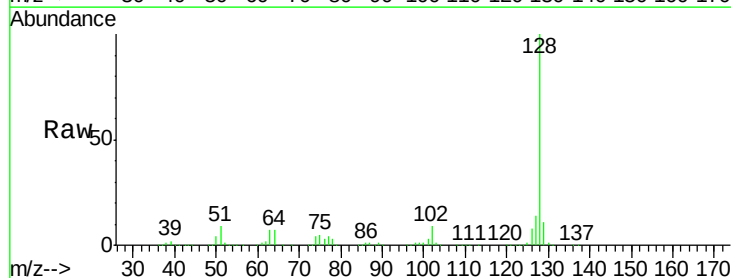
Ion Ratio Lower Upper

127 100

129 82.7 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#

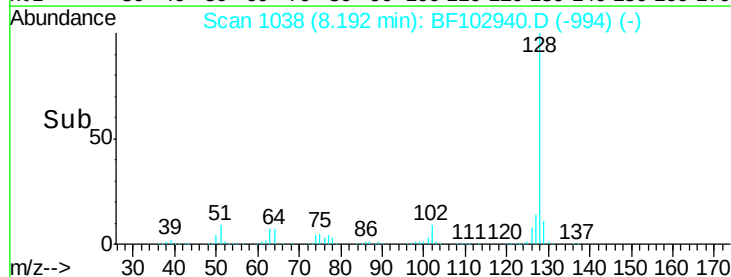
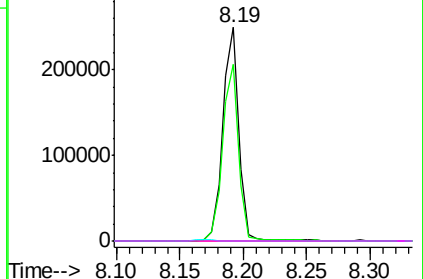


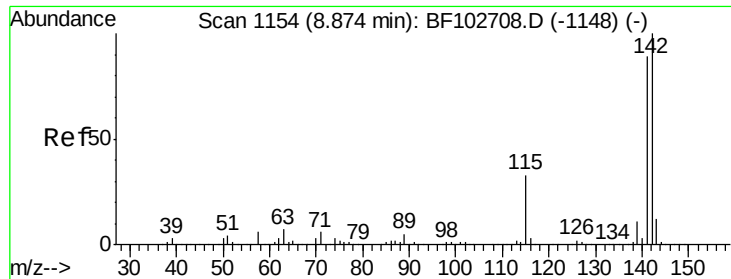
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

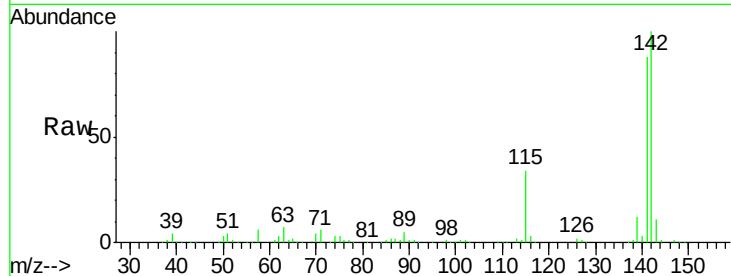




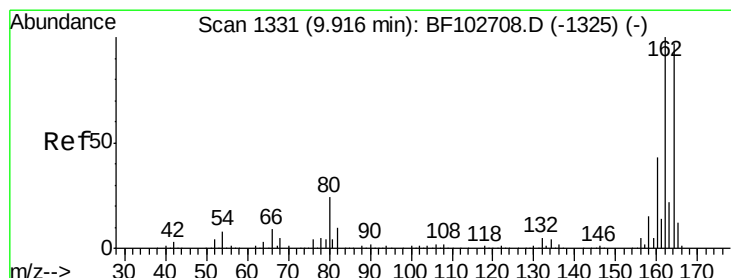
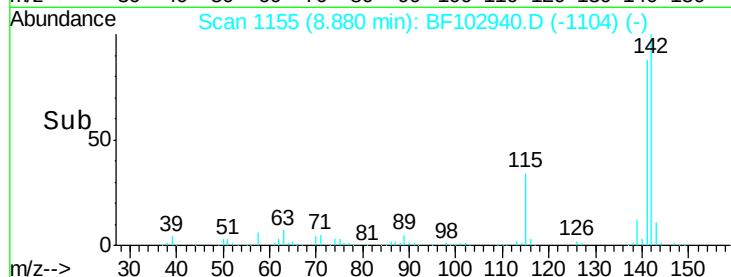
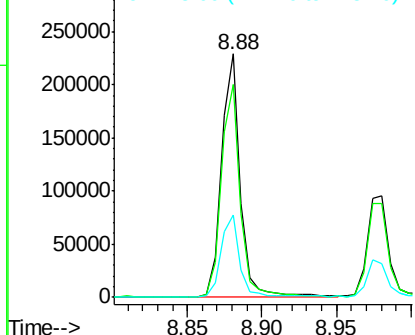
#37
2-Methylnaphthalene
Concen: 9.74 ng
RT: 8.88 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BF102940.D
Acq: 13 Feb 2018 1:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.6	70.8	106.2
115	33.8	26.1	39.1

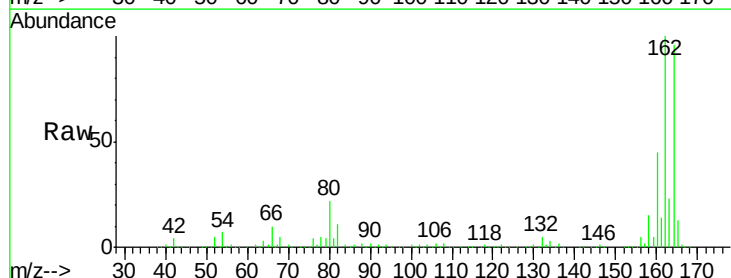


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

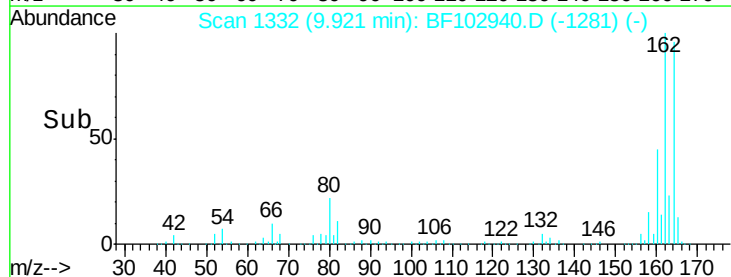
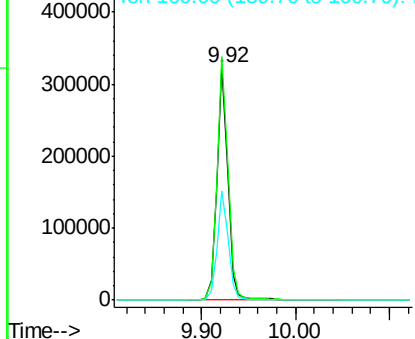


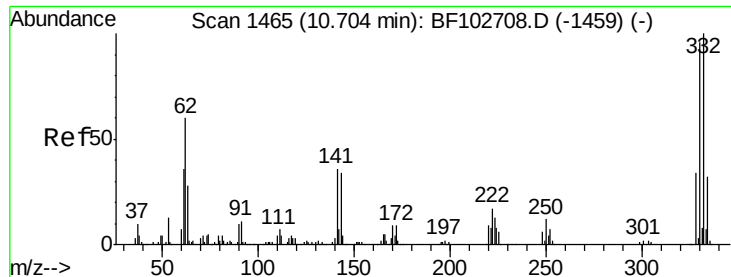
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.00 min
Lab File: BF102940.D
Acq: 13 Feb 2018 1:00

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.5	86.1	129.1
160	46.7	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: 0.20 ng

RT: 10.72 min Scan# 1467

Delta R.T. 0.01 min

Lab File: BF102940.D

Acq: 13 Feb 2018 1:00

Instrument :

BNA_F

ClientSampleId :

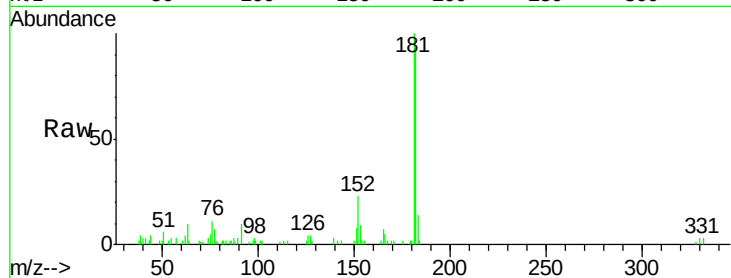
Tot Ion:330 Resp: 452

Ion Ratio Lower Upper

330 100

332 116.4 77.0 115.6#

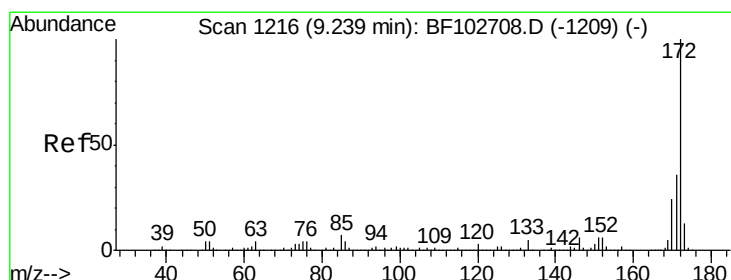
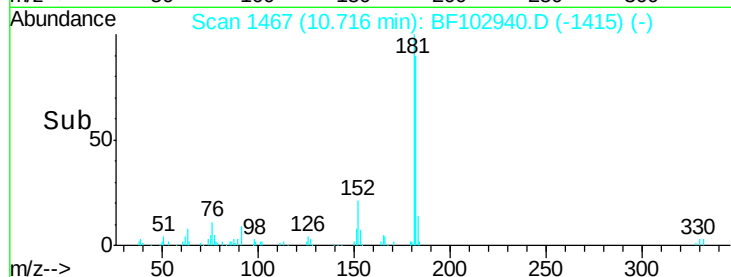
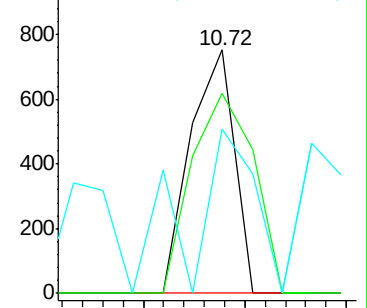
141 98.5 29.9 44.9#



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: 0.45 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF102940.D

Acq: 13 Feb 2018 1:00

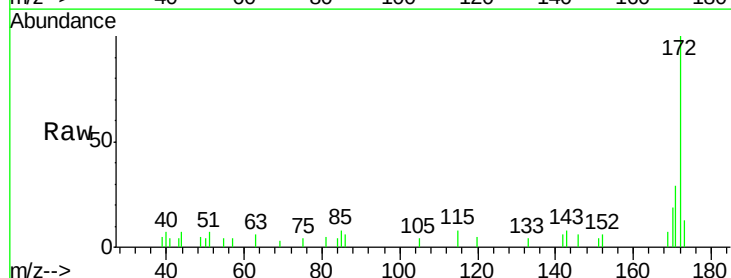
Tgt Ion:172 Resp: 7468

Ion Ratio Lower Upper

172 100

171 29.3 29.7 44.5#

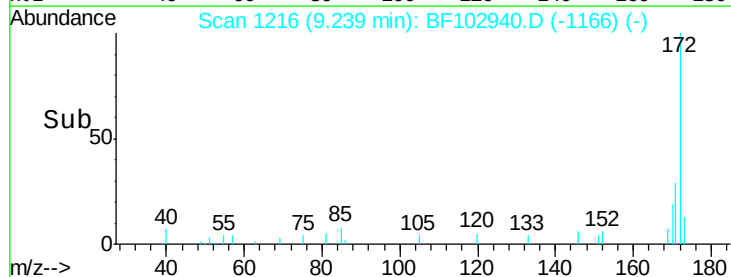
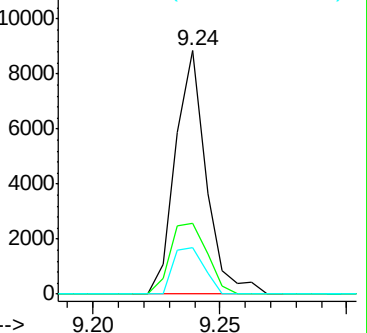
170 19.1 19.6 29.4#

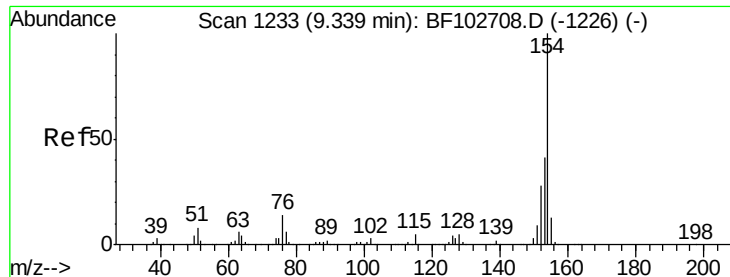


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

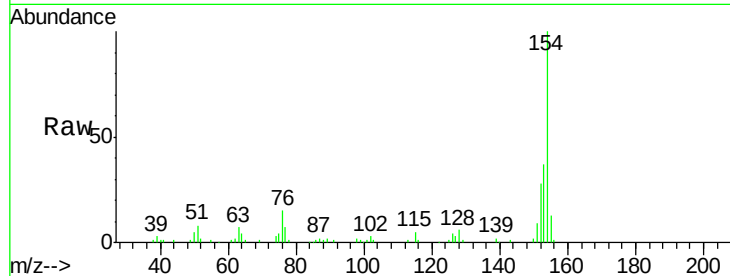




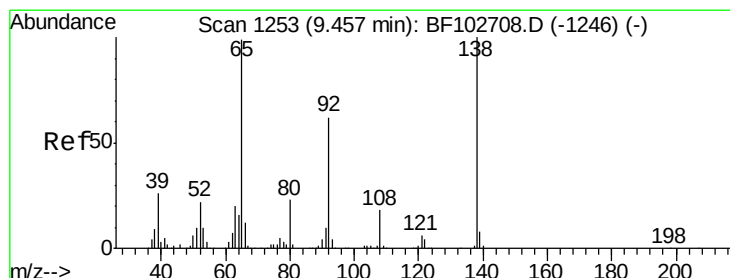
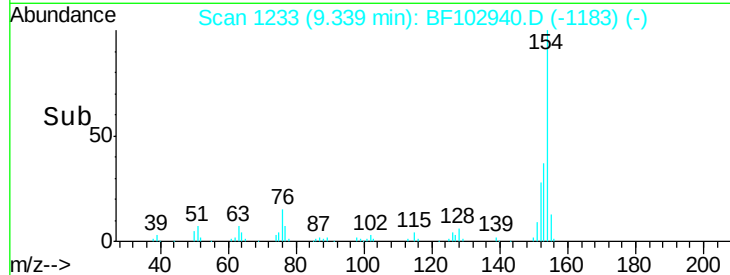
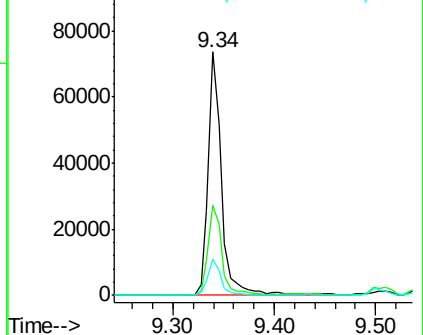
#45
 1,1'-Biphenyl
 Concen: 2.94 ng
 RT: 9.34 min Scan# 1233
 Delta R.T. -0.01 min
 Lab File: BF102940.D
 Acq: 13 Feb 2018 1:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
154	100		
153	37.1	21.3	61.3
76	14.9	0.0	34.0

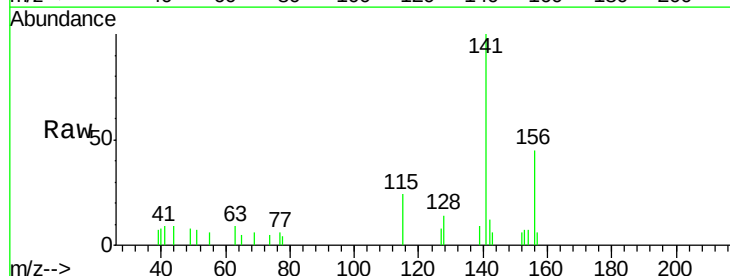


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

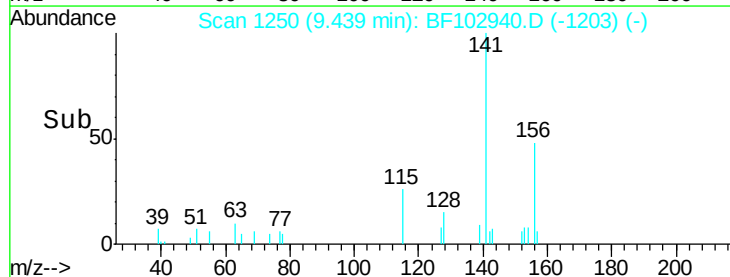
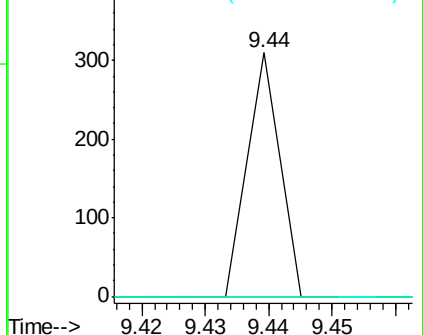


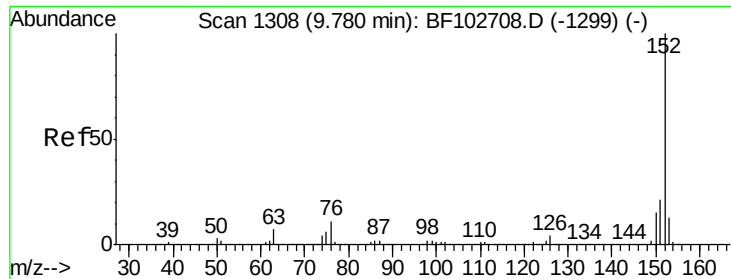
#47
 2-Nitroaniline
 Concen: 3.49 ng
 RT: 9.44 min Scan# 1250
 Delta R.T. -0.02 min
 Lab File: BF102940.D
 Acq: 13 Feb 2018 1:00

Tgt 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): E

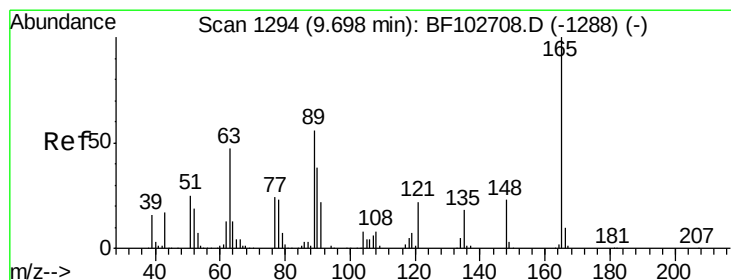
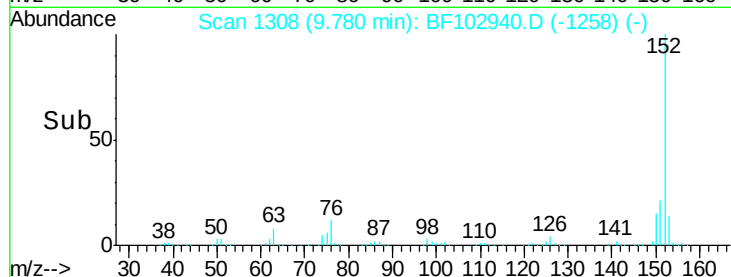
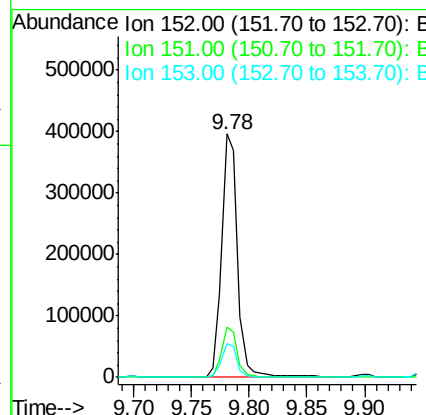
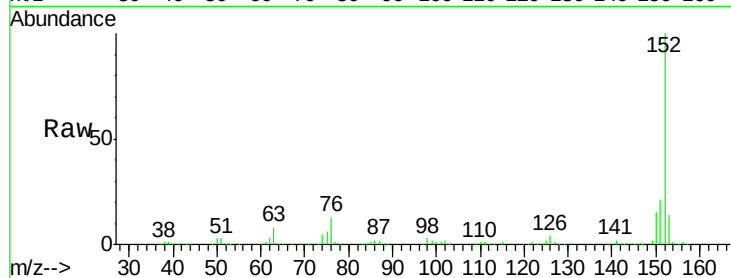




#48
 Acenaphthylene
 Concen: 13.51 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. -0.01 min
 Lab File: BF102940.D
 Acq: 13 Feb 2018 1:00

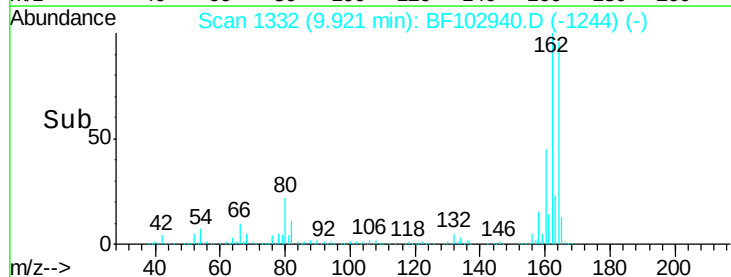
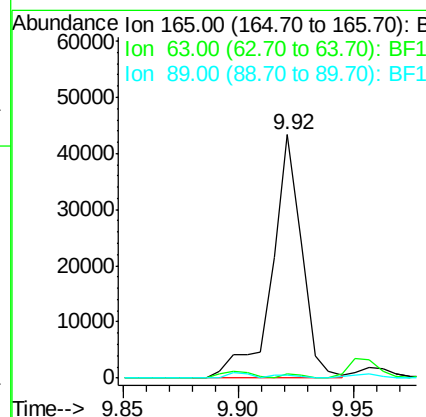
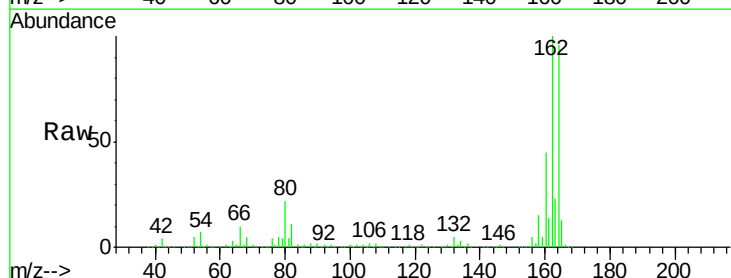
Instrument :
 BNA_F
 ClientSampleId :

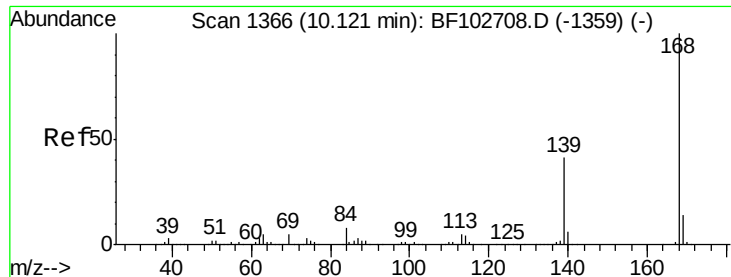
Tot Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.3	24.5
153	14.1	10.7	16.1



#50
 2,6-Dinitrotoluene
 Concen: 9.45 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. 0.22 min
 Lab File: BF102940.D
 Acq: 13 Feb 2018 1:00

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	44.7	67.1#
89	1.3	44.0	66.0#

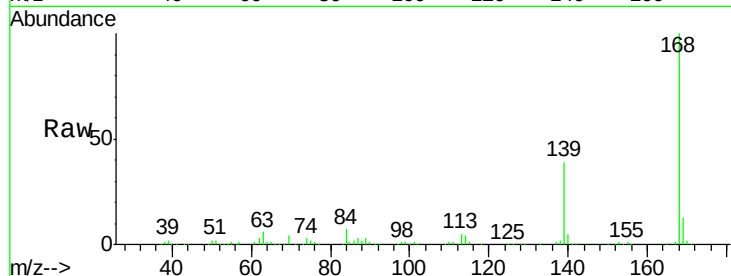




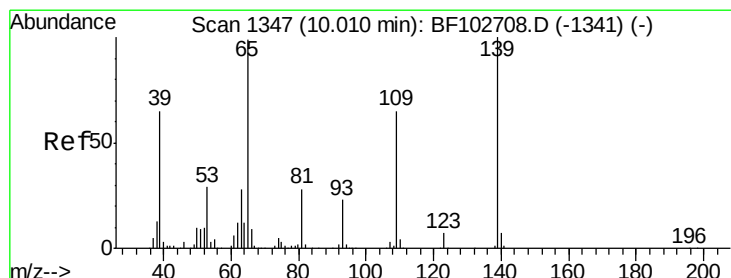
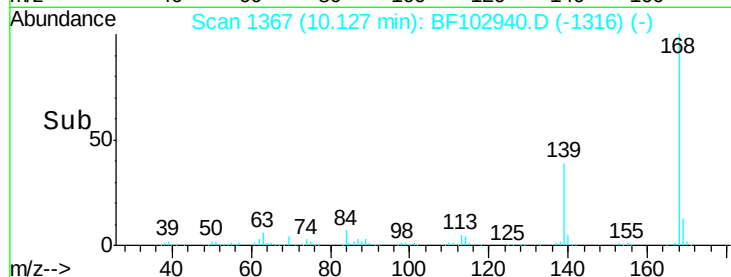
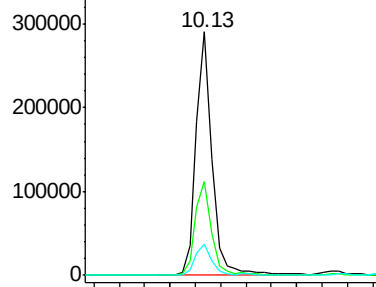
#54
Dibenzenofuran
Concen: 10.85 ng
RT: 10.13 min Scan# 1367
Delta R.T. -0.00 min
Lab File: BF102940.D
Acq: 13 Feb 2018 1:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.7	30.1	45.1
169	12.9	10.9	16.3

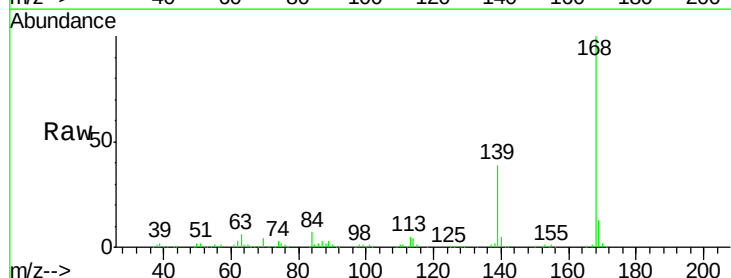


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

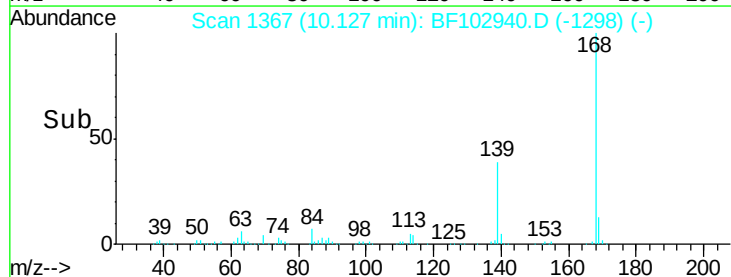
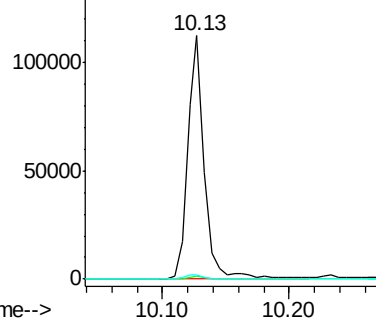


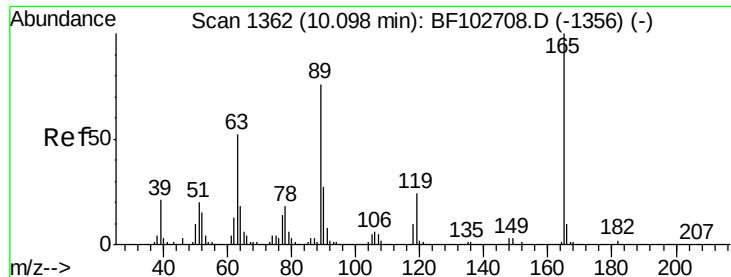
#55
4-Nitrophenol
Concen: 27.97 ng
RT: 10.13 min Scan# 1367
Delta R.T. 0.11 min
Lab File: BF102940.D
Acq: 13 Feb 2018 1:00

Tgt Ion	Ratio	Lower	Upper
139	100		
109	1.0	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

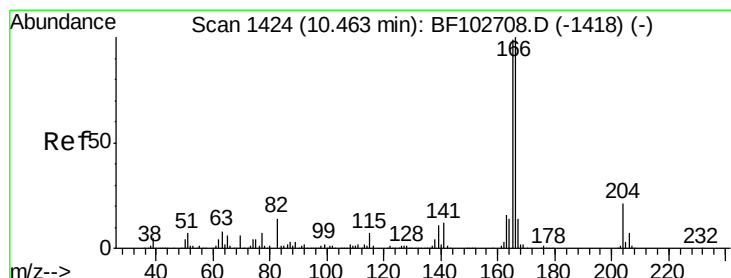
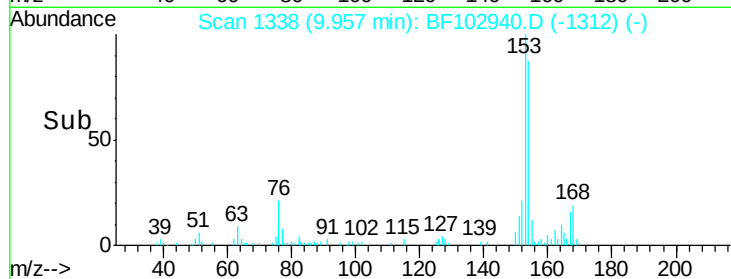
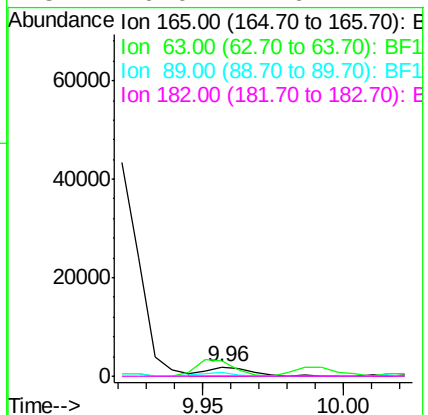
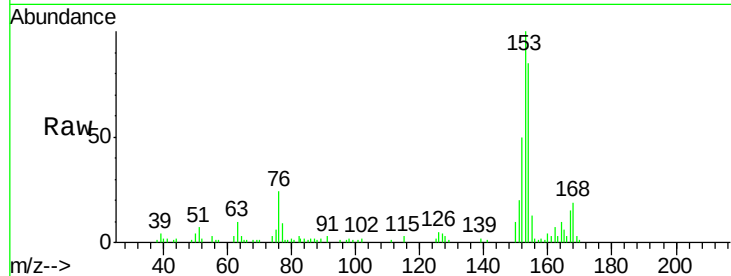




#56
2,4-Dinitrotoluene
Concen: 3.44 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.15 min
Lab File: BF102940.D
Acq: 13 Feb 2018 1:00

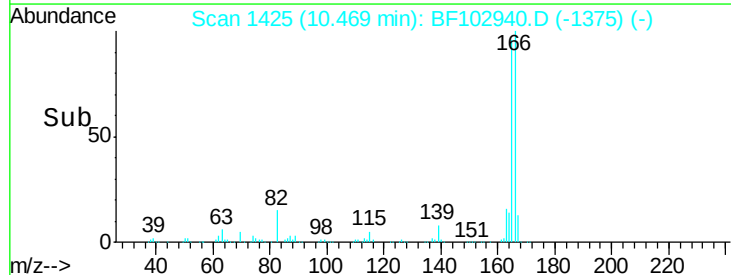
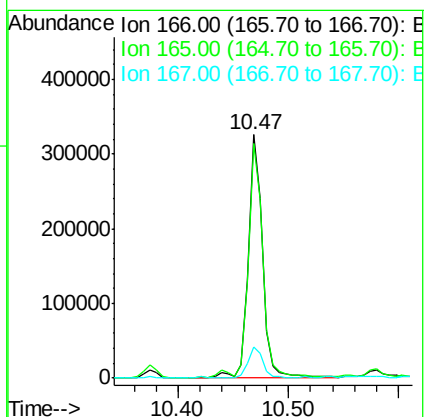
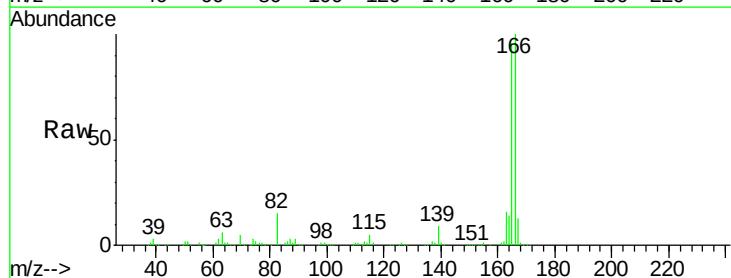
Instrument :
BNA_F
ClientSampleId :

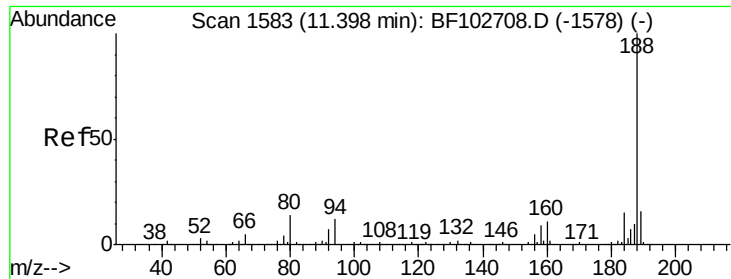
Tot Ion:165 Resp: 2097
Ion Ratio Lower Upper
165 100
63 173.8 36.4 54.6#
89 36.6 57.8 86.6#
182 0.0 1.6 2.4#



#57
Fluorene
Concen: 17.11 ng
RT: 10.47 min Scan# 1425
Delta R.T. -0.01 min
Lab File: BF102940.D
Acq: 13 Feb 2018 1:00

Tgt Ion:166 Resp: 296051
Ion Ratio Lower Upper
166 100
165 96.2 79.8 119.8
167 12.9 10.6 16.0

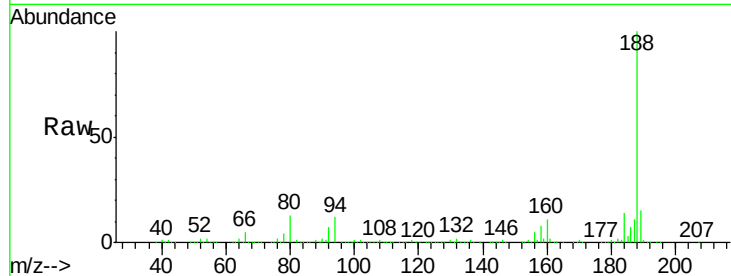




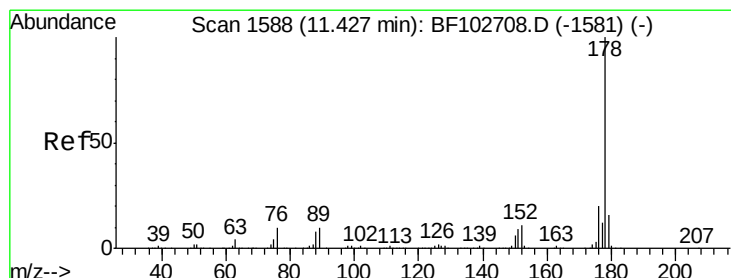
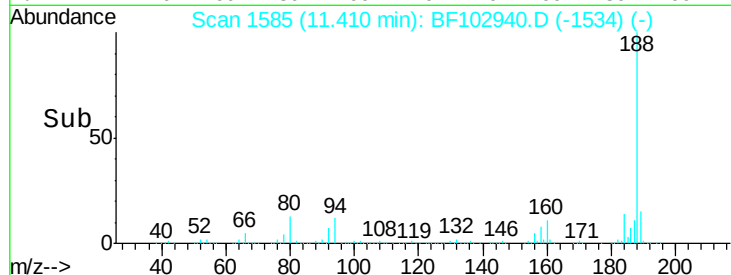
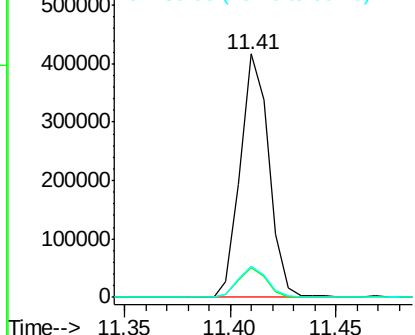
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF102940.D
Acq: 13 Feb 2018 1:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 392479
Ion Ratio Lower Upper
188 100
94 12.2 8.5 12.7
80 13.0 9.2 13.8

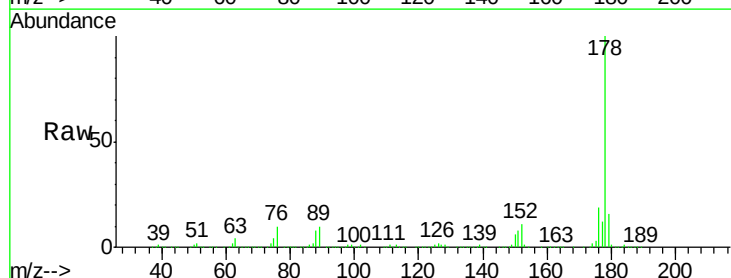


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

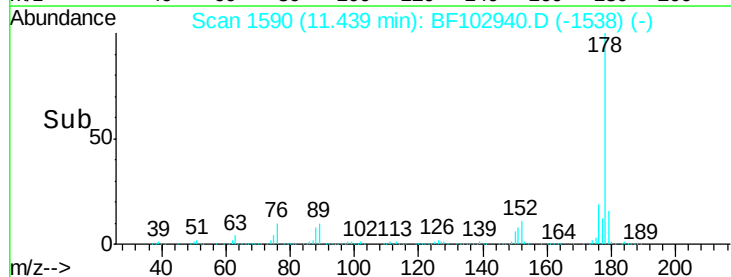
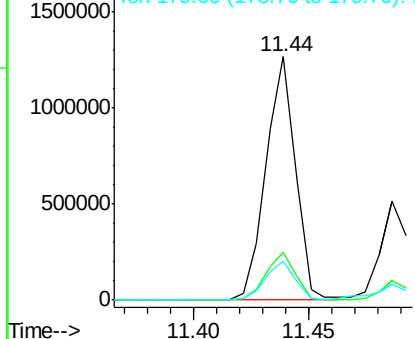


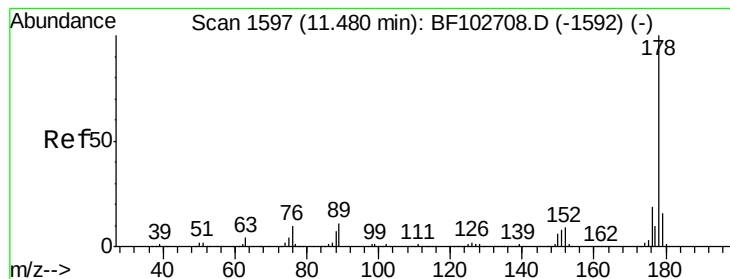
#70
Phenanthrene
Concen: 51.61 ng
RT: 11.44 min Scan# 1590
Delta R.T. 0.01 min
Lab File: BF102940.D
Acq: 13 Feb 2018 1:00

Tgt Ion:178 Resp: 1128160
Ion Ratio Lower Upper
178 100
176 19.4 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: 19.75 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.00 min

Lab File: BF102940.D

Acq: 13 Feb 2018 1:00

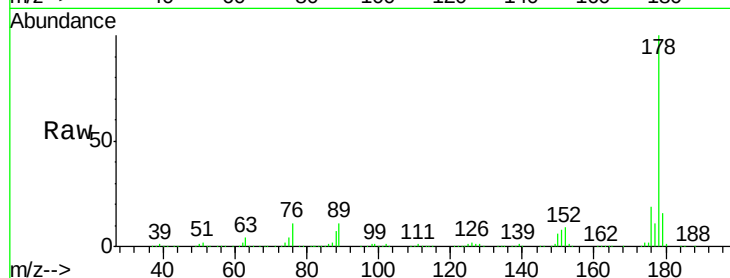
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 439108

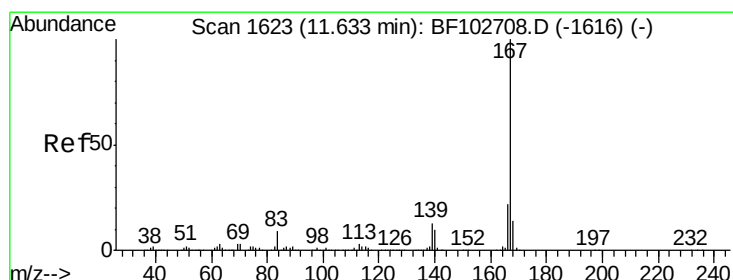
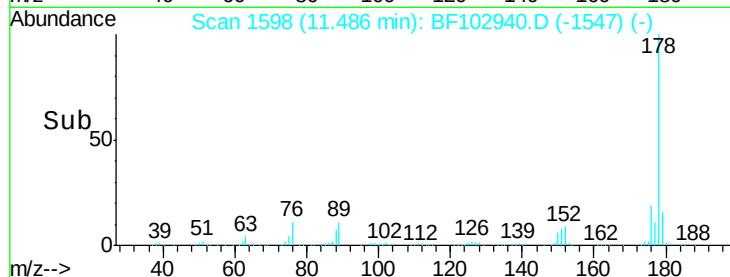
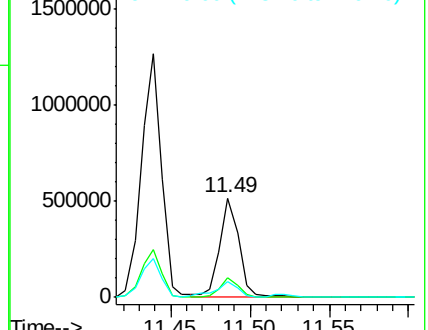
Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	16.0	12.6	19.0



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: 7.65 ng

RT: 11.64 min Scan# 1624

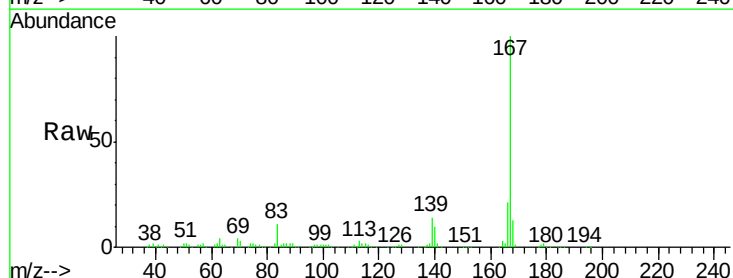
Delta R.T. -0.00 min

Lab File: BF102940.D

Acq: 13 Feb 2018 1:00

Tgt Ion:167 Resp: 166631

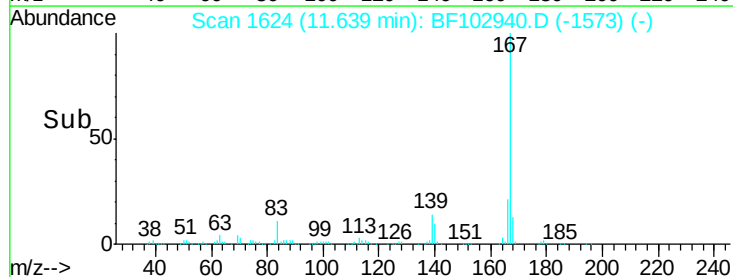
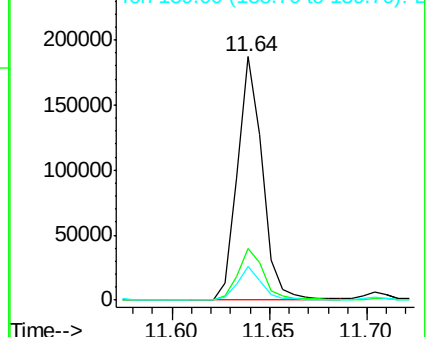
Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.6	26.4
139	13.9	10.9	16.3

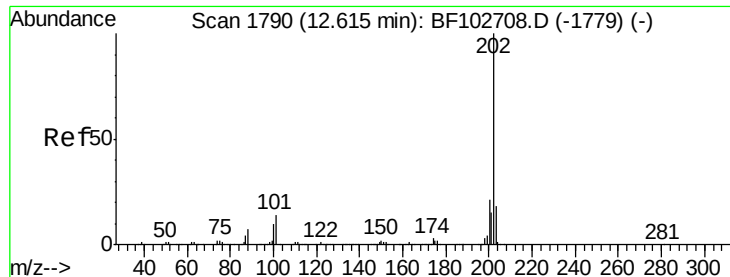


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 39.64 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.01 min

Lab File: BF102940.D

Acq: 13 Feb 2018 1:00

Instrument :

BNA_F

ClientSampleId :

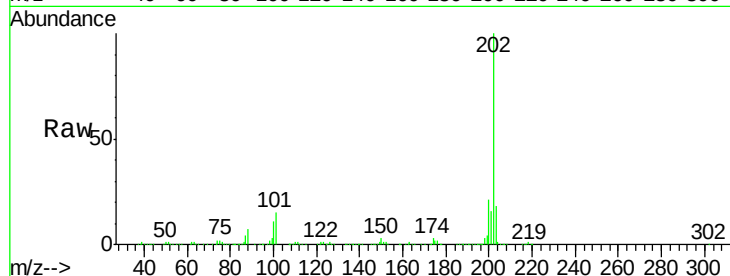
Tot Ion:202 Resp: 871773

Ion Ratio Lower Upper

202 100

101 14.9 0.0 34.1

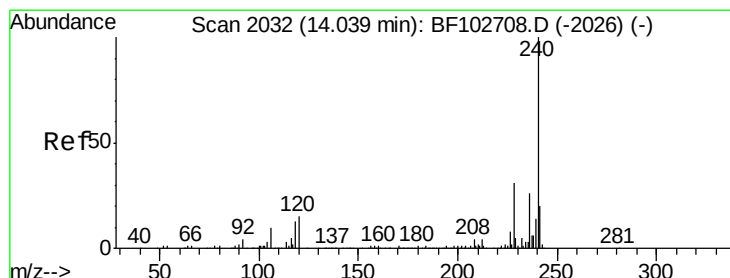
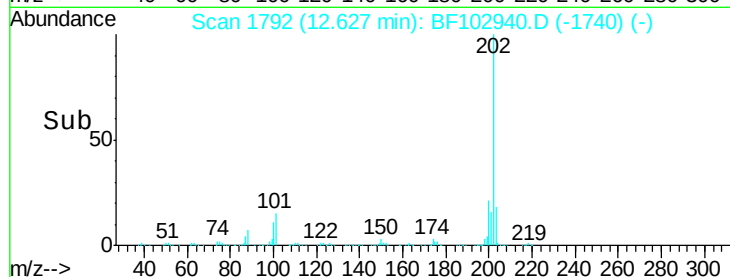
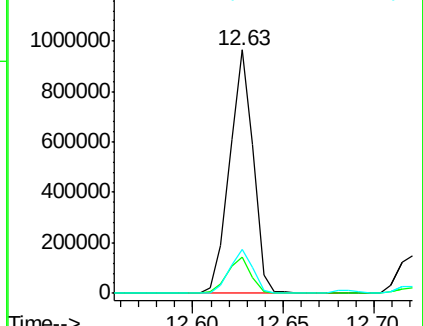
203 18.1 0.0 38.1



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: 20.00 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BF102940.D

Acq: 13 Feb 2018 1:00

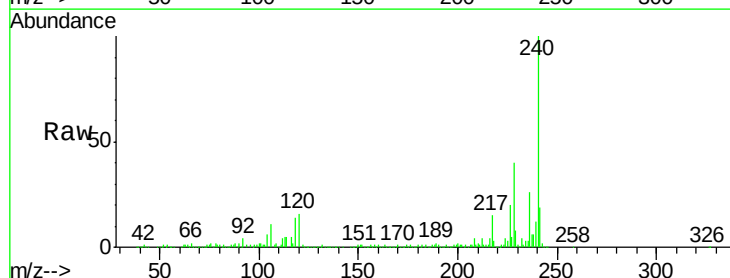
Tgt Ion:240 Resp: 300664

Ion Ratio Lower Upper

240 100

120 16.3 9.5 14.3#

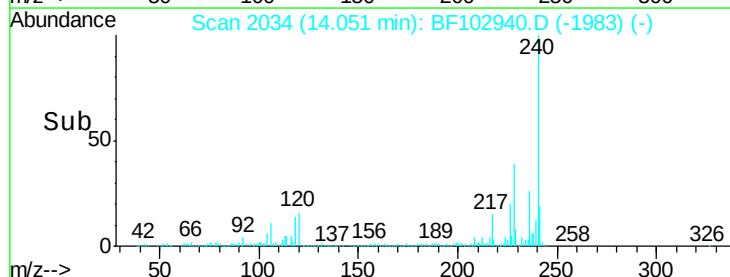
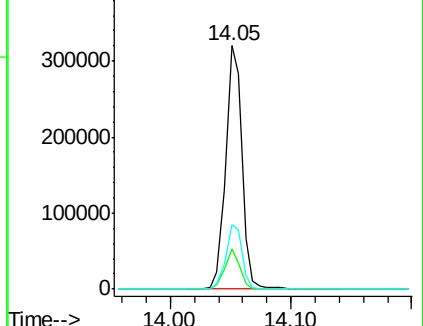
236 26.4 20.7 31.1

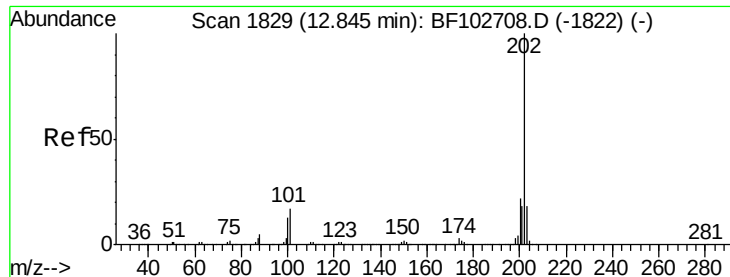


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 29.20 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.01 min

Lab File: BF102940.D

Acq: 13 Feb 2018 1:00

Instrument :

BNA_F

ClientSampleId :

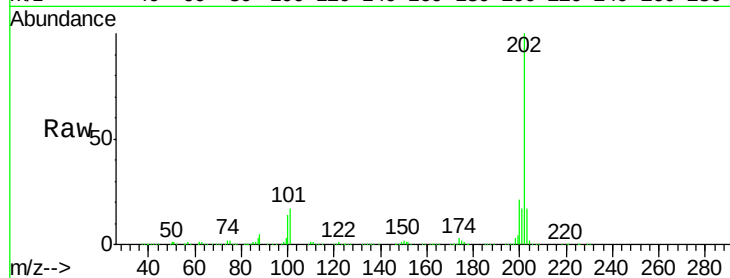
Tot Ion:202 Resp: 688408

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

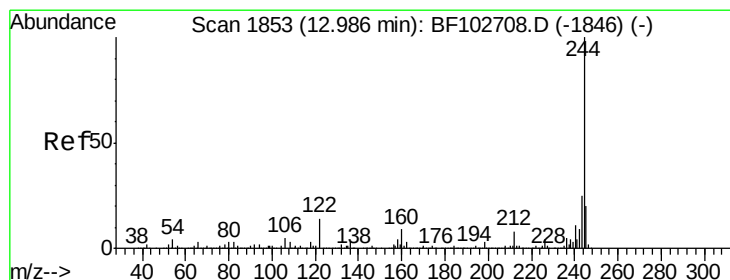
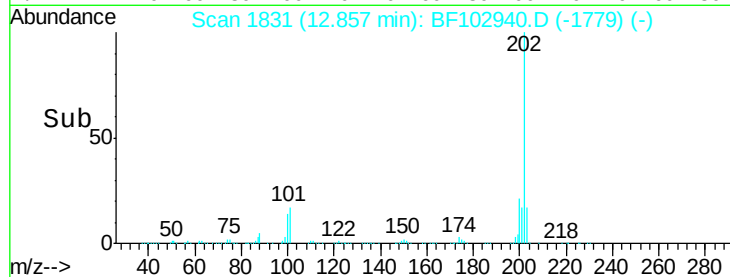
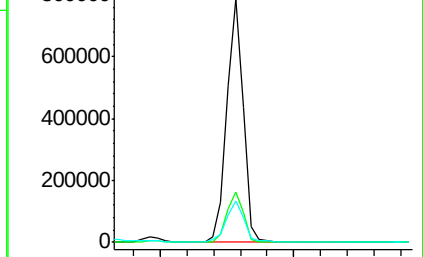
203 17.2 14.3 21.5



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: 0.44 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF102940.D

Acq: 13 Feb 2018 1:00

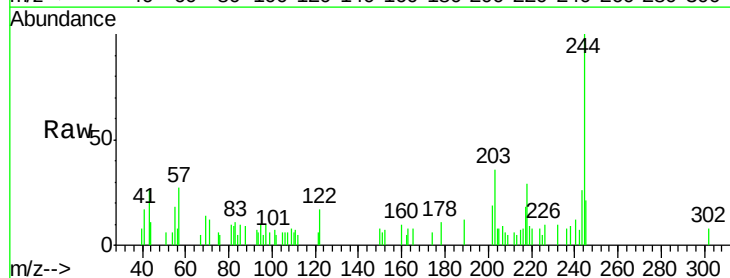
Tgt Ion:244 Resp: 5537

Ion Ratio Lower Upper

244 100

212 6.0 5.4 8.0

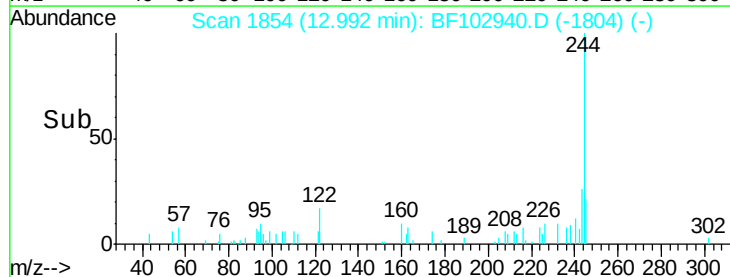
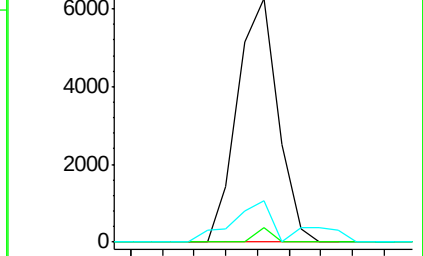
122 17.0 11.0 16.4#

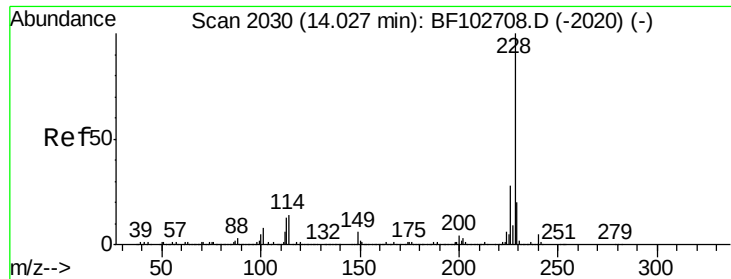


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 15.42 ng

RT: 14.08 min Scan# 2039

Delta R.T. 0.04 min

Lab File: BF102940.D

Acq: 13 Feb 2018 1:00

Instrument :

BNA_F

ClientSampled :

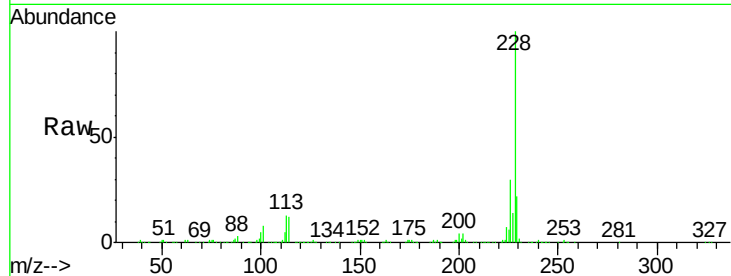
Tot Ion:228 Resp: 291559

Ion Ratio Lower Upper

228 100

226 29.8 22.6 33.8

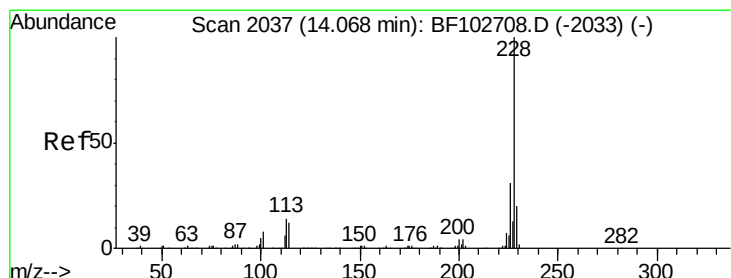
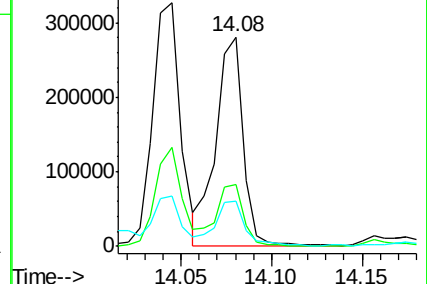
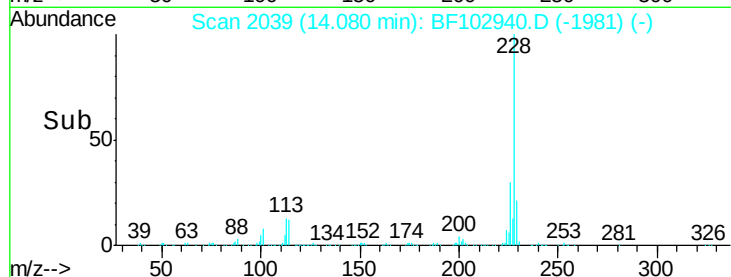
229 21.7 15.8 23.6



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: 15.30 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.00 min

Lab File: BF102940.D

Acq: 13 Feb 2018 1:00

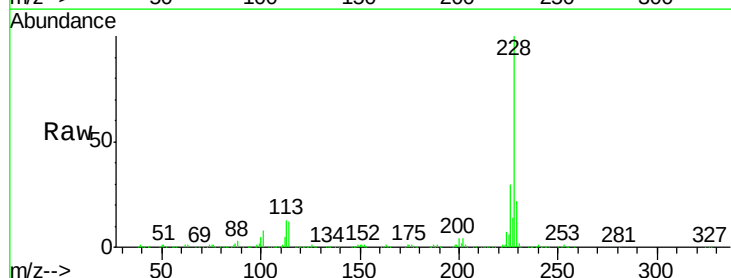
Tgt Ion:228 Resp: 291559

Ion Ratio Lower Upper

228 100

226 29.8 25.0 37.6

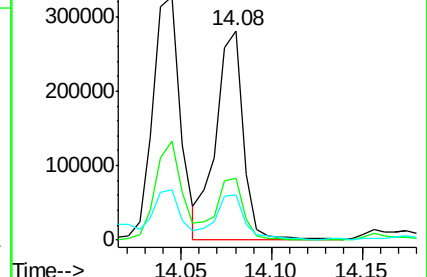
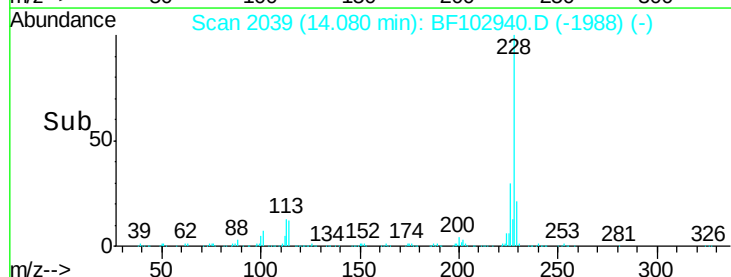
229 21.7 16.2 24.4

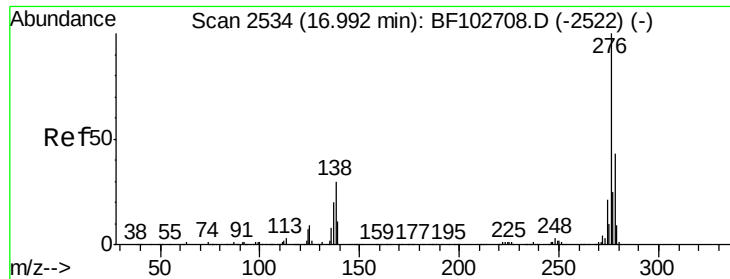


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

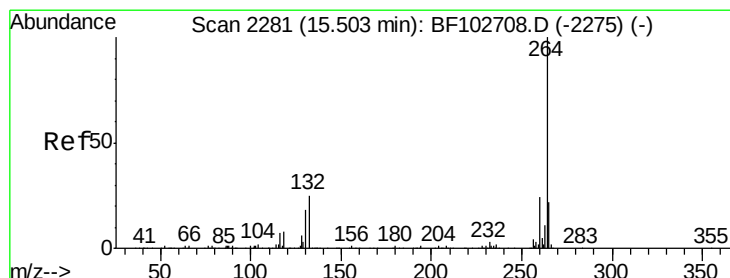
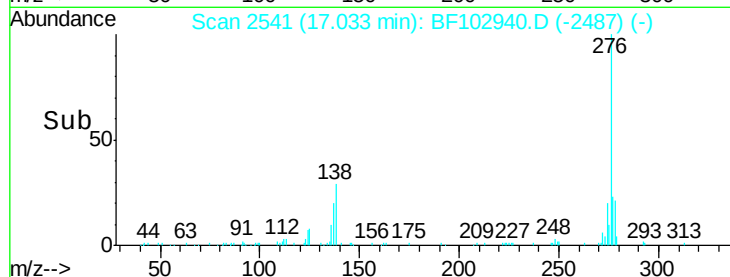
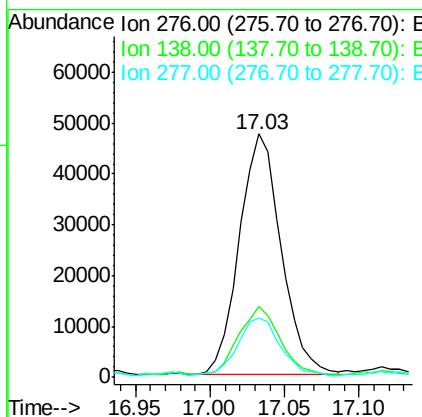
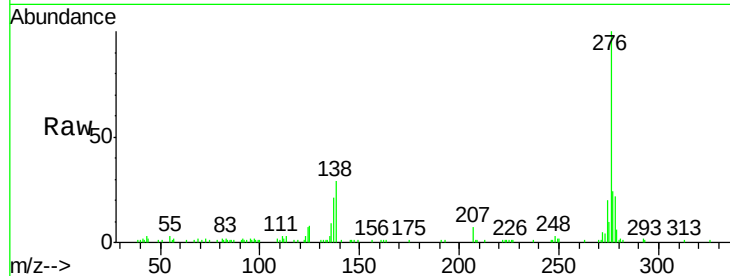




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.80 ng
 RT: 17.03 min Scan# 2541
 Delta R.T. 0.02 min
 Lab File: BF102940.D
 Acq: 13 Feb 2018 1:00

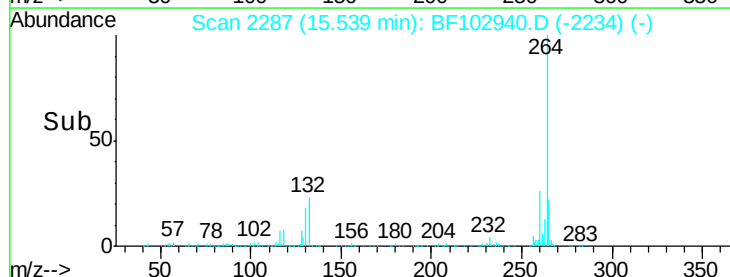
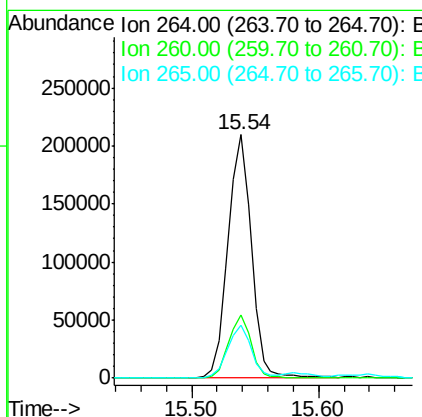
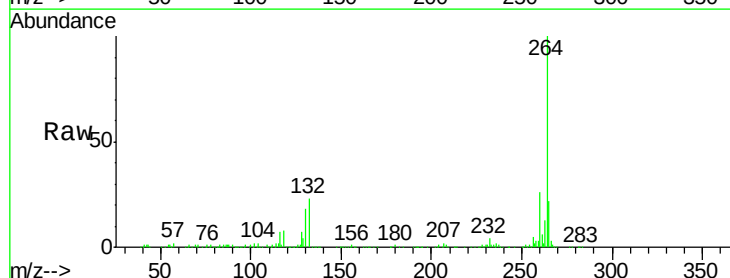
Instrument :
 BNA_F
 ClientSampleId :

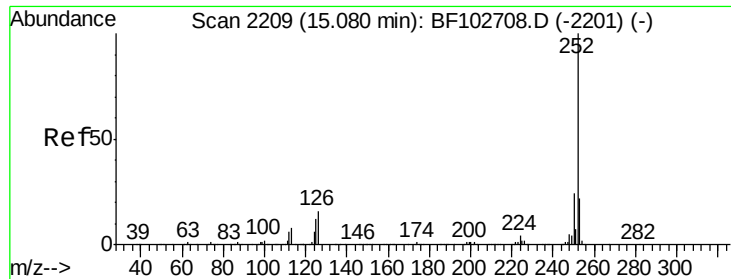
Tot Ion:276 Resp: 91748
 Ion Ratio Lower Upper
 276 100
 138 27.8 25.0 37.6
 277 24.0 20.1 30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.54 min Scan# 2287
 Delta R.T. 0.01 min
 Lab File: BF102940.D
 Acq: 13 Feb 2018 1:00

Tgt Ion:264 Resp: 268229
 Ion Ratio Lower Upper
 264 100
 260 25.7 19.2 28.8
 265 21.6 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 24.78 ng

RT: 15.10 min Scan# 2212

Delta R.T. 0.01 min

Lab File: BF102940.D

Acq: 13 Feb 2018 1:00

Instrument :

BNA_F

ClientSampleId :

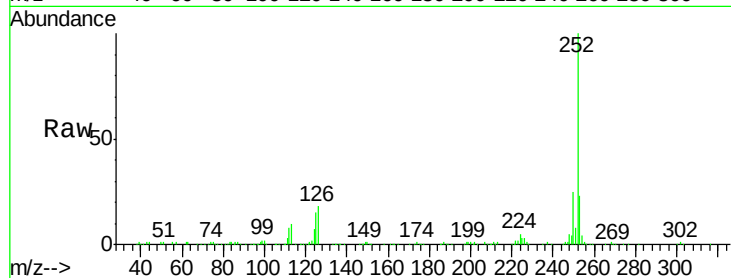
Tot Ion:252 Resp: 430978

Ion Ratio Lower Upper

252 100

253 23.3 17.0 25.6

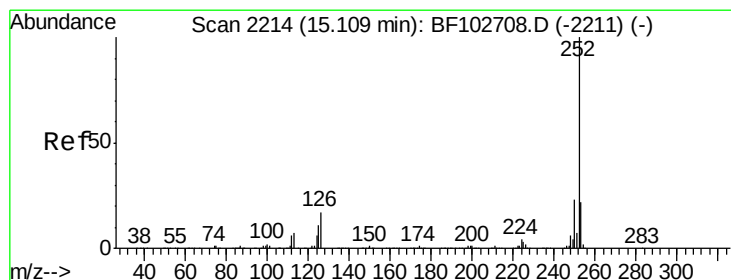
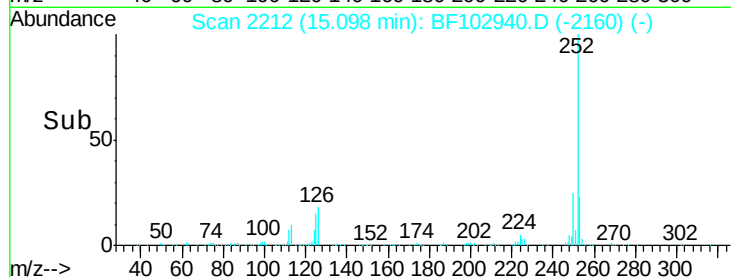
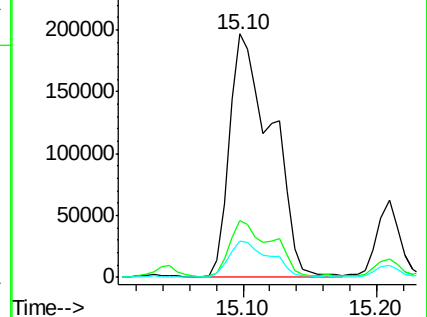
125 15.0 9.0 13.6#



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: 25.94 ng

RT: 15.10 min Scan# 2212

Delta R.T. -0.02 min

Lab File: BF102940.D

Acq: 13 Feb 2018 1:00

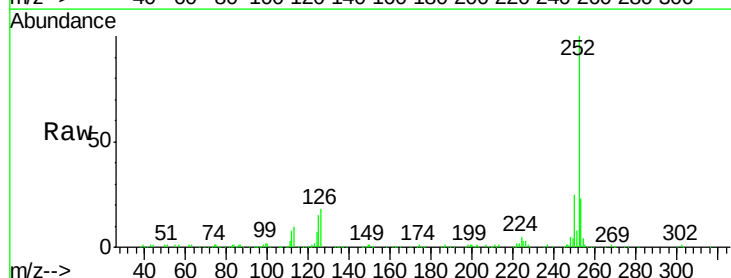
Tgt Ion:252 Resp: 430978

Ion Ratio Lower Upper

252 100

253 23.3 17.9 26.9

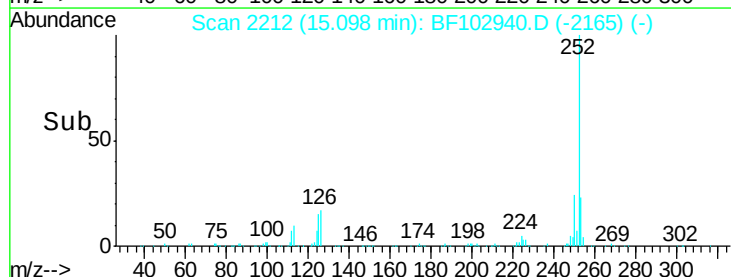
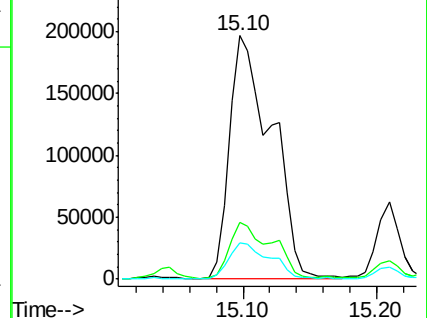
125 15.0 10.2 15.2

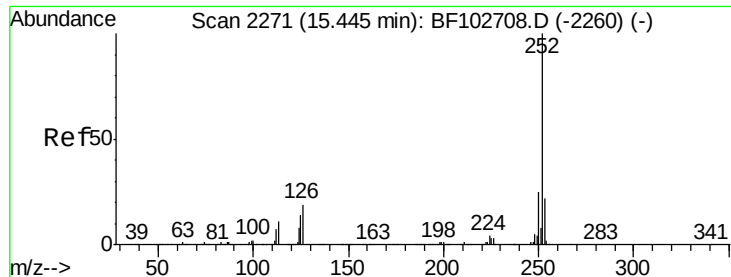


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 14.69 ng

RT: 15.47 min Scan# 2276

Delta R.T. 0.01 min

Lab File: BF102940.D

Acq: 13 Feb 2018 1:00

Instrument :

BNA_F

ClientSampleId :

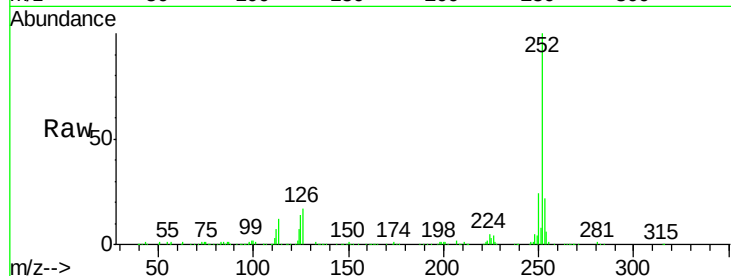
Tot Ion:252 Resp: 229902

Ion Ratio Lower Upper

252 100

253 22.2 17.1 25.7

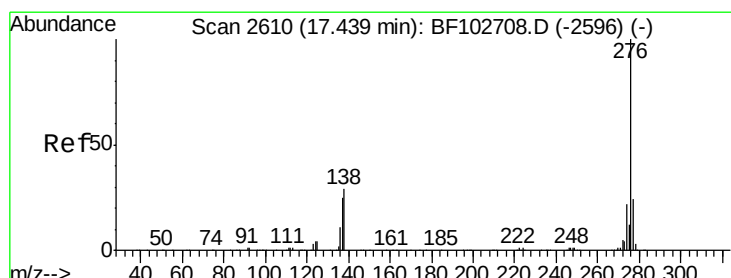
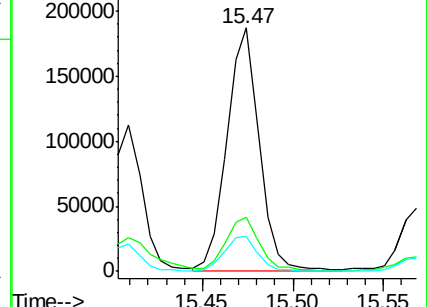
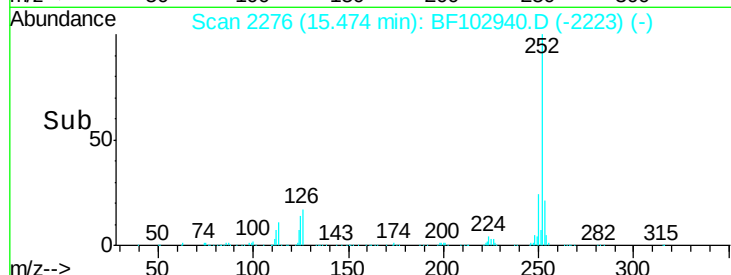
125 14.1 9.8 14.6



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



#91

Benzo(g,h,i)perylene

Concen: 6.22 ng

RT: 17.49 min Scan# 2618

Delta R.T. 0.01 min

Lab File: BF102940.D

Acq: 13 Feb 2018 1:00

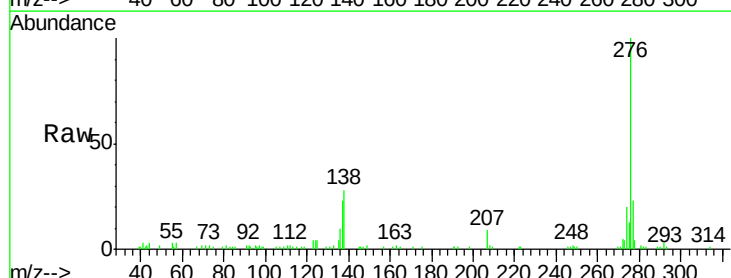
Tgt Ion:276 Resp: 77403

Ion Ratio Lower Upper

276 100

277 23.3 17.9 26.9

138 27.6 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

