

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032618\
 Data File : BF103968.D
 Acq On : 27 Mar 2018 11:11
 Operator : JU/SJ
 Sample : J2049-01DL 100X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 27 11:55:07 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	132709	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	531123	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	244160	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	395133	20.00	ng	0.00
75) Chrysene-d12	14.16	240	255316	20.00	ng	0.00
86) Perylene-d12	15.71	264	235624	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	6620	0.76	ng	0.00
7) Phenol-d6	6.59	99	9869	0.92	ng	-0.01
23) Nitrobenzene-d5	7.53	82	6337	0.83	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	1963	0.94	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	11876	0.78	ng	0.00
78) Terphenyl-d14	13.09	244	9421	0.86	ng	-0.01

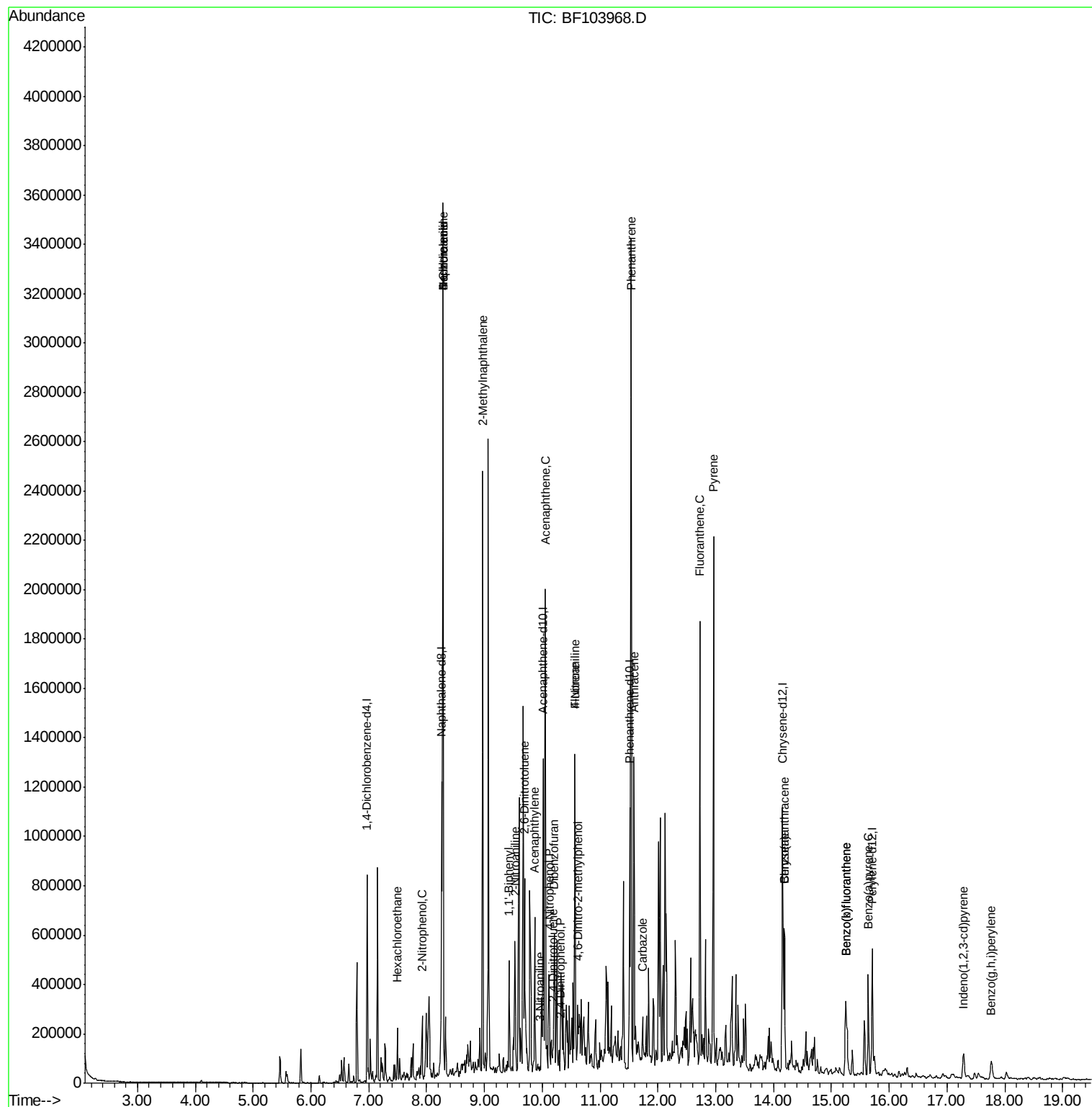
Target Compounds				Qvalue		
18) Hexachloroethane	7.50	117	10546	2.866	ng	# 1
26) 2-Nitrophenol	7.93	139	228	9.500	ng	# 1
31) Naphthalene	8.28	128	1660964	61.908	ng	99
32) Benzoic acid	8.28	122	4225	10.534	ng	# 1
33) 4-Chloroaniline	8.28	127	226622	20.134	ng	# 34
37) 2-Methylnaphthalene	8.97	142	644302	37.869	ng	99
45) 1,1'-Biphenyl	9.43	154	128721	6.322	ng	98
47) 2-Nitroaniline	9.53	65	4551	7.737	ng	# 30
48) Acenaphthylene	9.87	152	108002	4.307	ng	# 92
50) 2,6-Dinitrotoluene	9.70	165	4412	5.106	ng	# 53
51) Acenaphthene	10.05	154	405235	27.217	ng	100
52) 3-Nitroaniline	9.96	138	131	3.842	ng	# 2
53) 2,4-Dinitrophenol	10.30	184	627	7.636	ng	# 1
54) Dibenzofuran	10.22	168	77903	3.663	ng	# 84
55) 4-Nitrophenol	10.12	139	8686	7.358	ng	# 28
56) 2,4-Dinitrotoluene	10.19	165	5843	7.328	ng	# 53
57) Fluorene	10.56	166	352305	21.350	ng	99
61) 4-Nitroaniline	10.56	138	4196	4.680	ng	# 25
64) 4,6-Dinitro-2-methylphenol	10.61	198	108	8.197	ng	# 1
70) Phenanthrene	11.54	178	1323477	61.230	ng	99
71) Anthracene	11.59	178	471324	21.470	ng	98
72) Carbazole	11.73	167	47535	2.228	ng	99
74) Fluoranthene	12.73	202	641342	28.801	ng	99
77) Pyrene	12.96	202	844578	45.044	ng	99
80) Benzo(a)anthracene	14.19	228	216212	13.378	ng	95
82) Chrysene	14.19	228	216212	14.034	ng	99
85) Indeno(1,2,3-cd)pyrene	17.29	276	69483	5.165	ng	96
87) Benzo(b)fluoranthene	15.25	252	252112	16.936	ng	# 97
88) Benzo(k)fluoranthene	15.25	252	252112	17.618	ng	98
89) Benzo(a)pyrene	15.64	252	192435	14.252	ng	98
91) Benzo(g,h,i)perylene	17.77	276	70452	6.194	ng	97

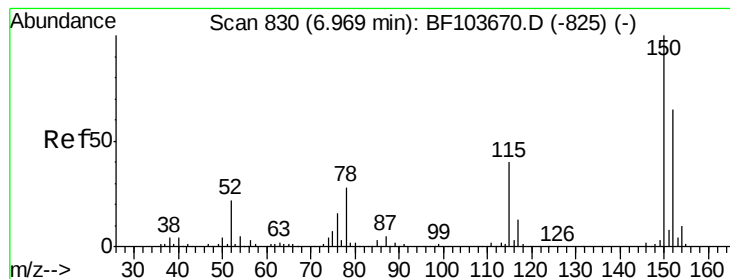
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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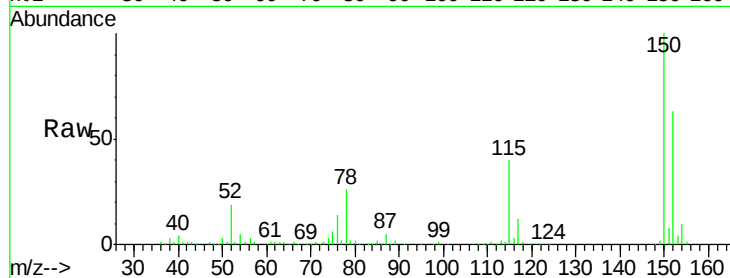


#1

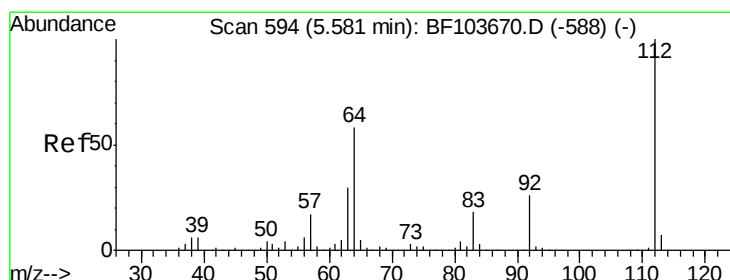
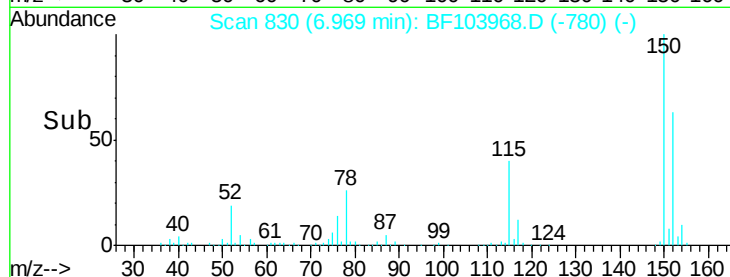
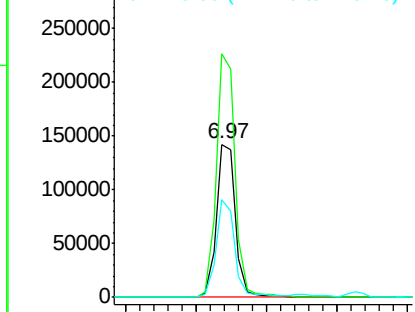
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF103968.D
Acq: 27 Mar 2018 11:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 132709
Ion Ratio Lower Upper
152 100
150 159.0 124.6 186.8
115 63.7 50.1 75.1



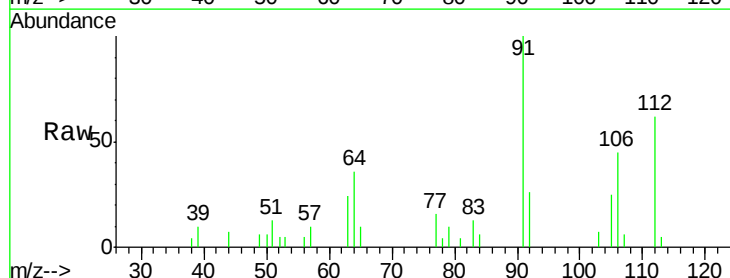
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



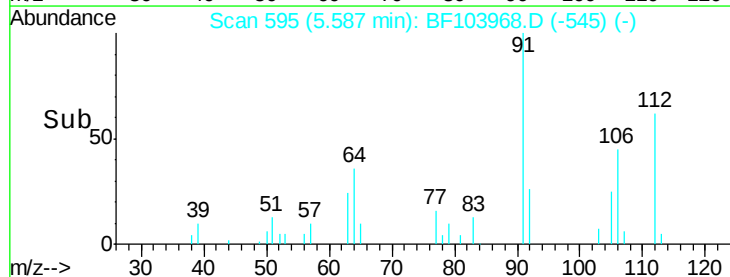
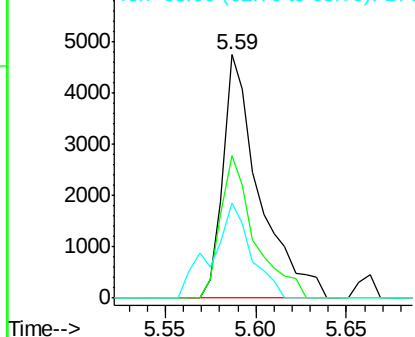
#5

2-Fluorophenol
Concen: 0.759 ng
RT: 5.59 min Scan# 595
Delta R.T. -0.01 min
Lab File: BF103968.D
Acq: 27 Mar 2018 11:11

Tgt Ion:112 Resp: 6620
Ion Ratio Lower Upper
112 100
64 58.6 47.9 71.9
63 39.2 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: 0.925 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF103968.D

Acq: 27 Mar 2018 11:11

Instrument :

BNA_F

ClientSampled :

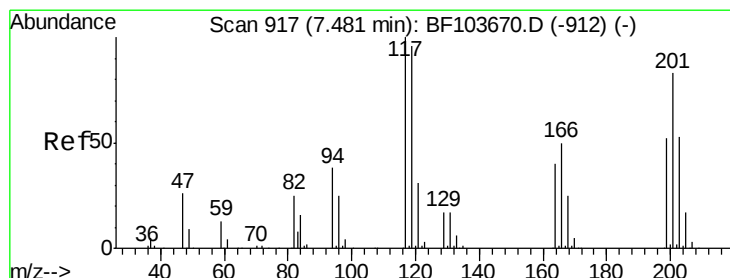
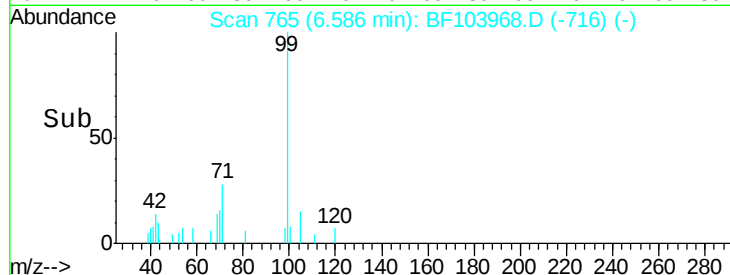
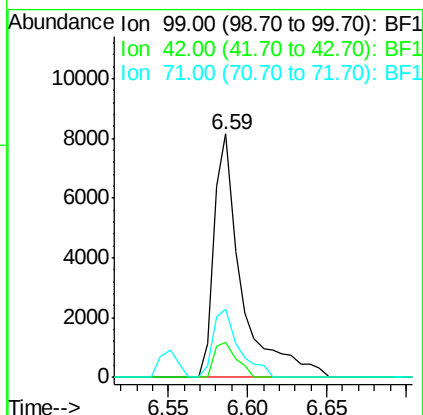
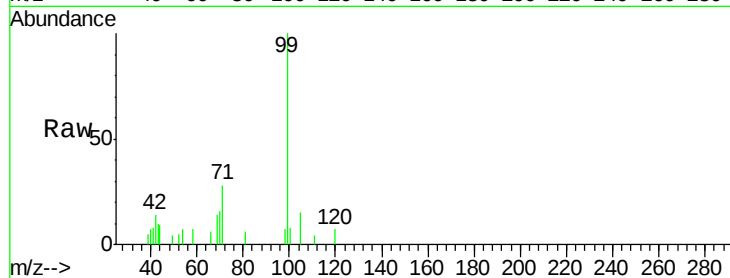
Tot Ion: 99 Resp: 9869

Ion Ratio Lower Upper

99 100

42 14.3 14.5 21.7#

71 27.9 25.4 38.0



#18

Hexachloroethane

Concen: 2.866 ng

RT: 7.50 min Scan# 920

Delta R.T. 0.01 min

Lab File: BF103968.D

Acq: 27 Mar 2018 11:11

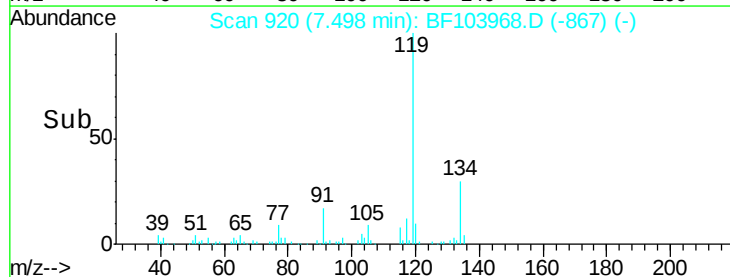
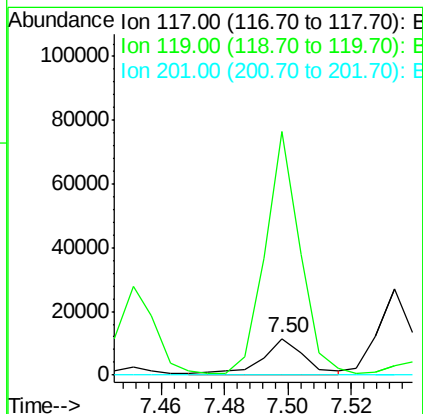
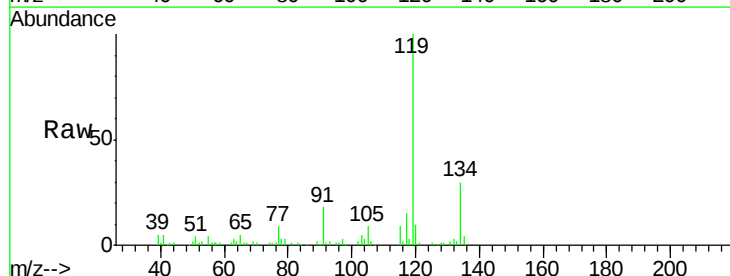
Tgt Ion: 117 Resp: 10546

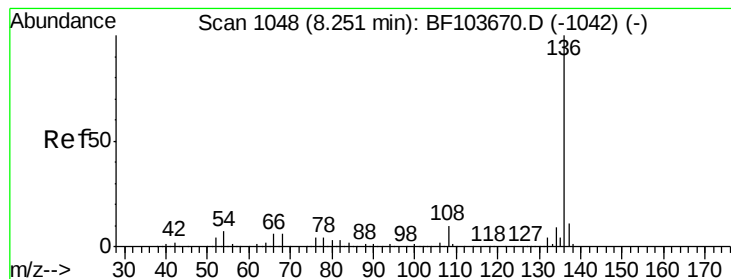
Ion Ratio Lower Upper

117 100

119 662.2 75.8 113.8#

201 0.0 75.7 113.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1049

Delta R.T. -0.00 min

Lab File: BF103968.D

Acq: 27 Mar 2018 11:11

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 531123

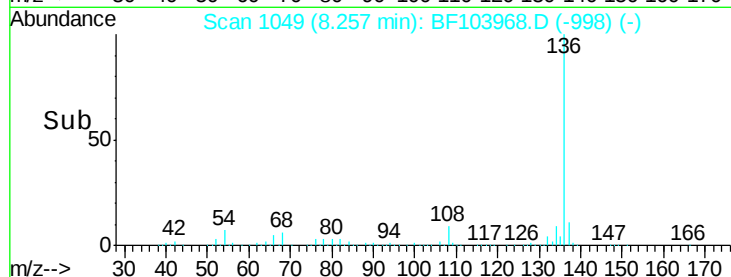
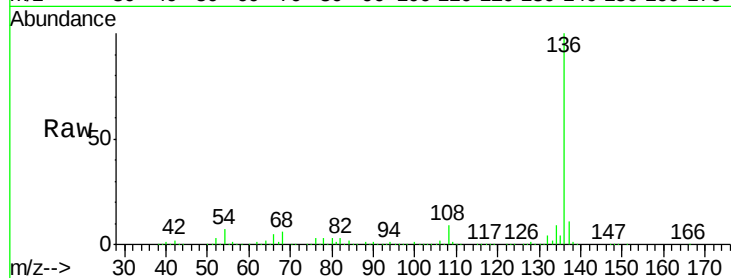
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 6.5 6.6 9.8#

68 6.1 5.0 7.4

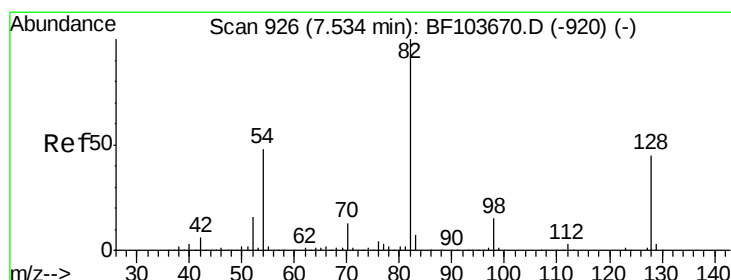
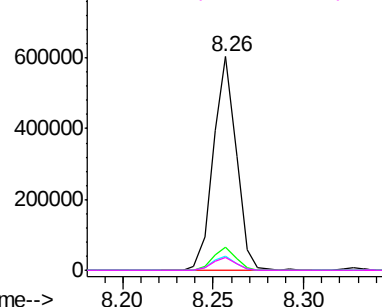


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.832 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.01 min

Lab File: BF103968.D

Acq: 27 Mar 2018 11:11

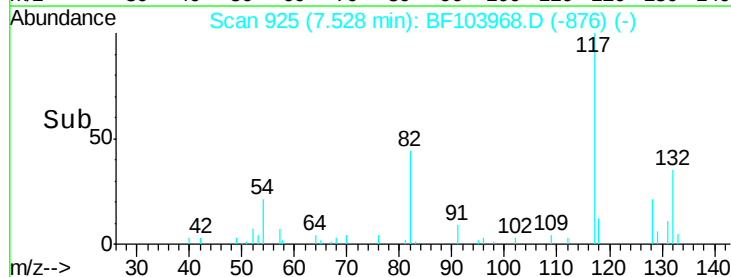
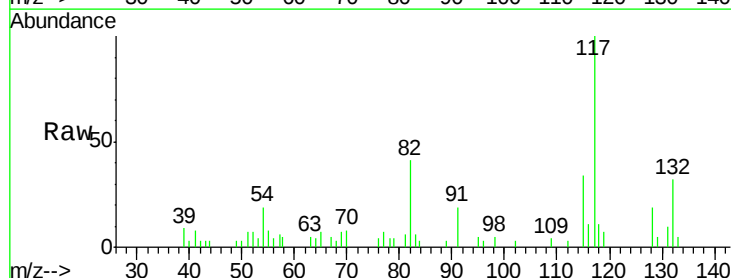
Tgt Ion: 82 Resp: 6337

Ion Ratio Lower Upper

82 100

128 47.4 36.1 54.1

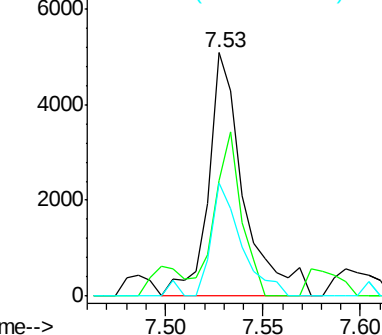
54 46.4 41.4 62.2

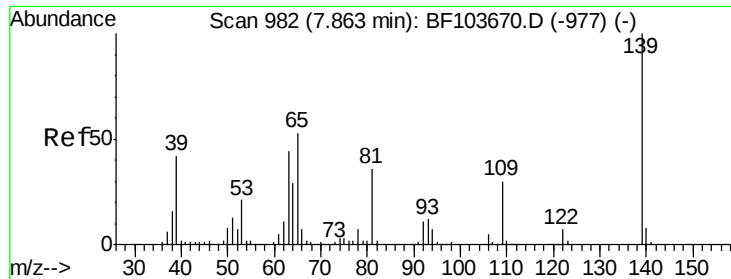


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#26

2-Nitrophenol

Concen: 9.500 ng

RT: 7.93 min Scan# 993

Delta R.T. 0.05 min

Lab File: BF103968.D

Acq: 27 Mar 2018 11:11

Instrument :

BNA_F

ClientSampleId :

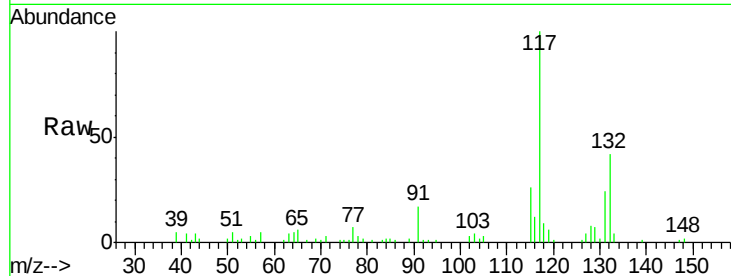
Tot Ion:139 Resp: 228

Ion Ratio Lower Upper

139 100

109 0.0 22.7 34.1#

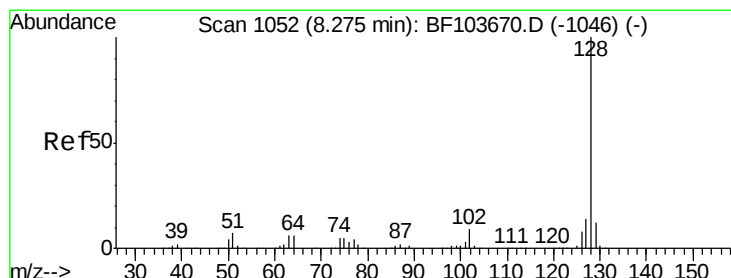
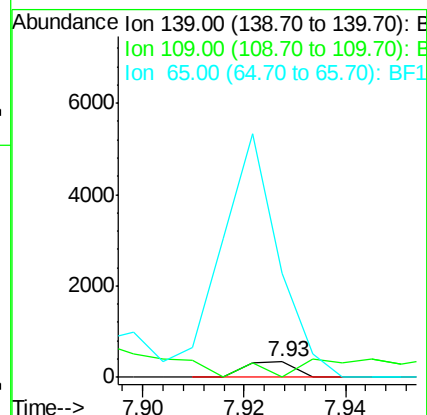
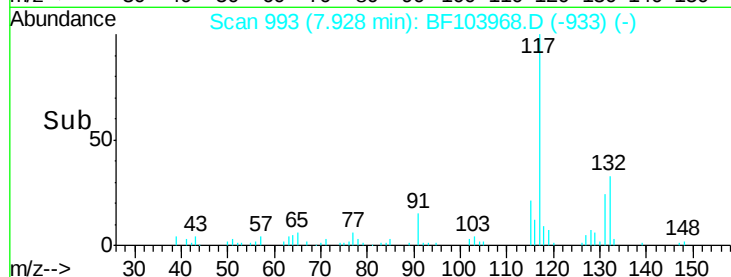
65 689.5 40.5 60.7#



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



#31

Naphthalene

Concen: 61.908 ng

RT: 8.28 min Scan# 1053

Delta R.T. -0.00 min

Lab File: BF103968.D

Acq: 27 Mar 2018 11:11

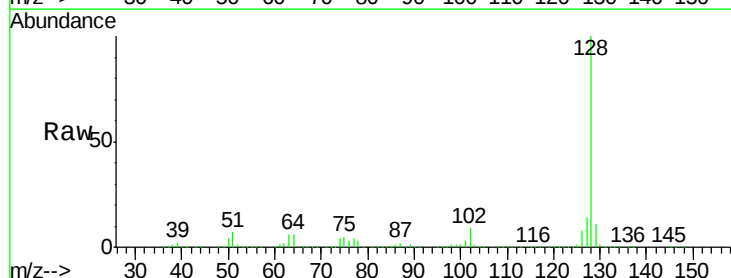
Tgt Ion:128 Resp: 1660964

Ion Ratio Lower Upper

128 100

129 11.4 8.8 13.2

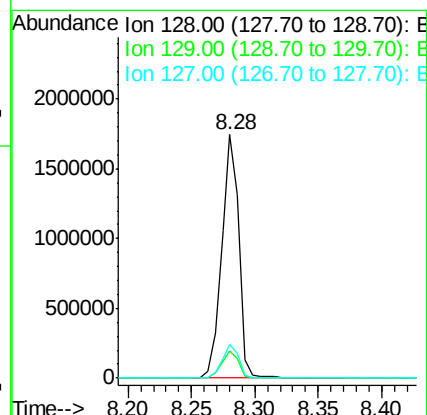
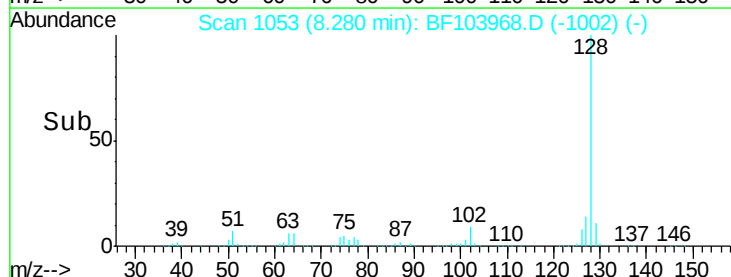
127 13.8 10.9 16.3

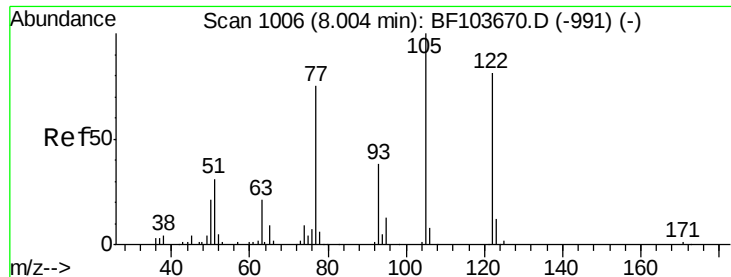


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

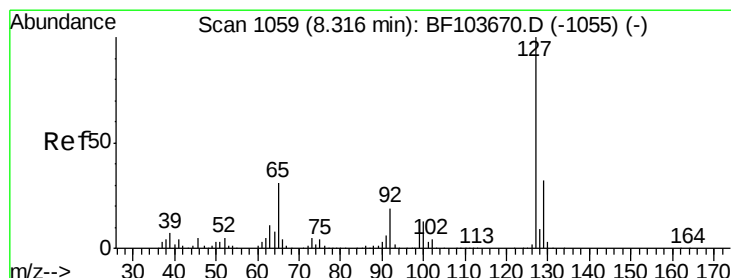
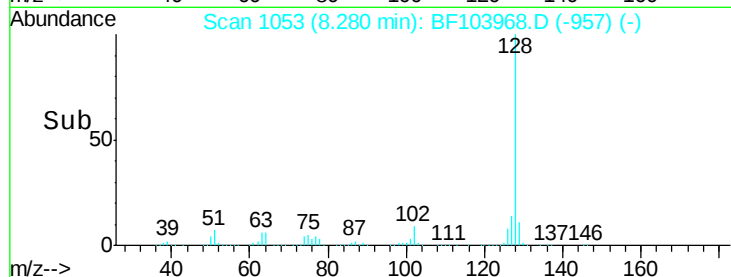
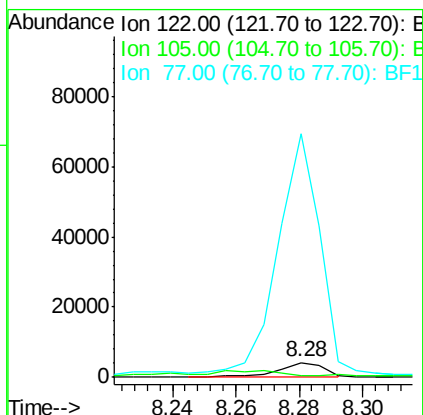
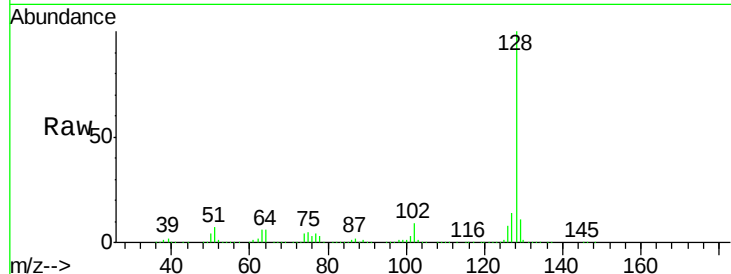




#32
Benzoic acid
Concen: 10.534 ng
RT: 8.28 min Scan# 1053
Delta R.T. 0.26 min
Lab File: BF103968.D
Acq: 27 Mar 2018 11:11

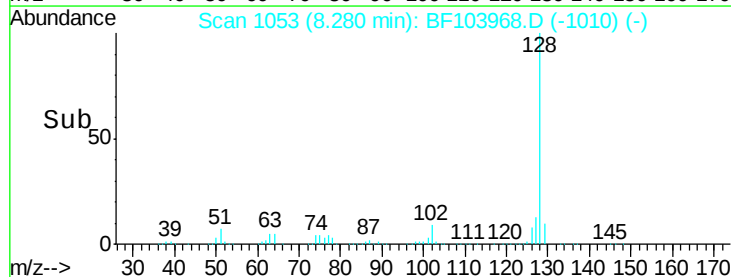
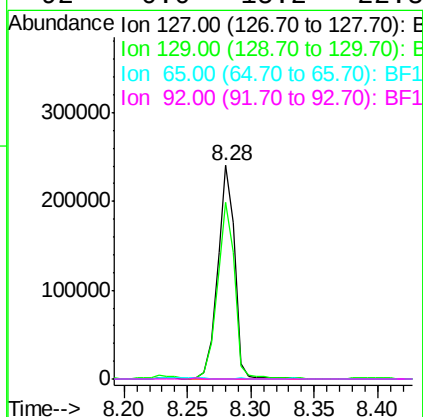
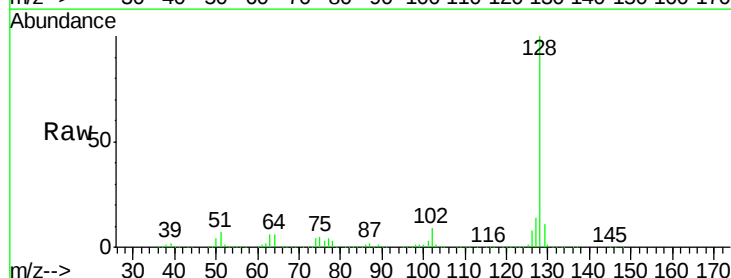
Instrument :
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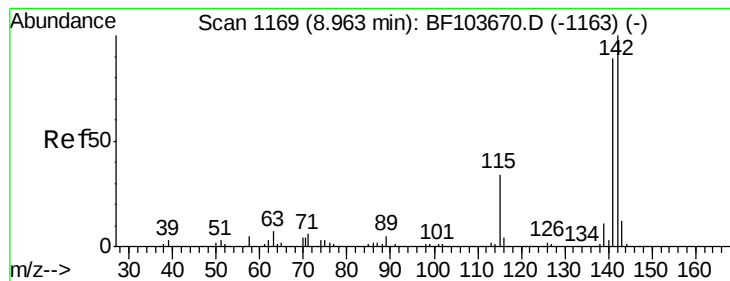
Tot Ion:122 Resp: 4225
Ion Ratio Lower Upper
122 100
105 14.0 101.1 141.1#
77 1652.2 70.7 110.7#



#33
4-Chloroaniline
Concen: 20.134 ng
RT: 8.28 min Scan# 1053
Delta R.T. -0.05 min
Lab File: BF103968.D
Acq: 27 Mar 2018 11:11

Tgt Ion:127 Resp: 226622
Ion Ratio Lower Upper
127 100
129 82.5 25.9 38.9#
65 0.0 25.0 37.4#
92 0.0 15.2 22.8#

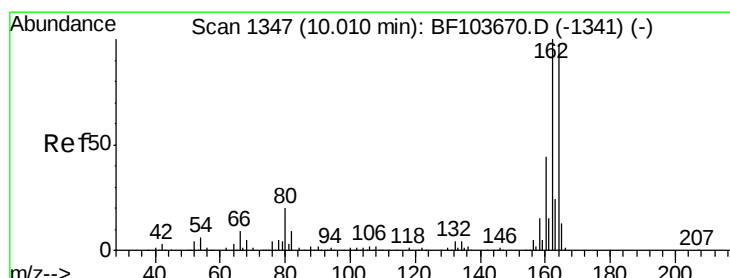
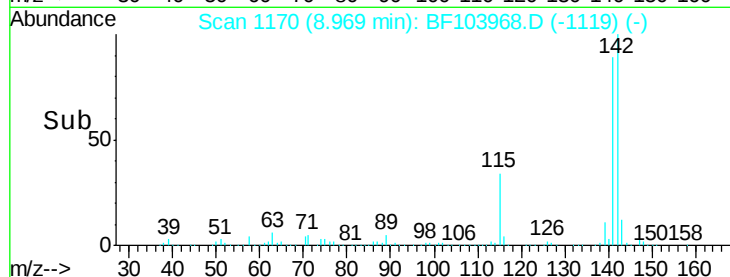
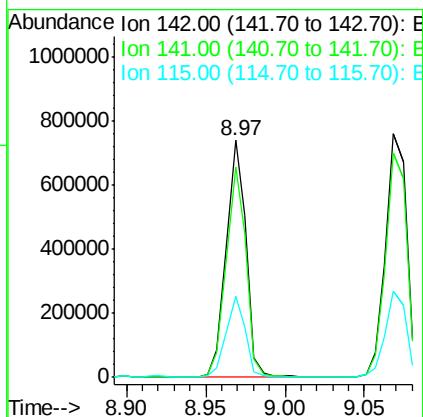
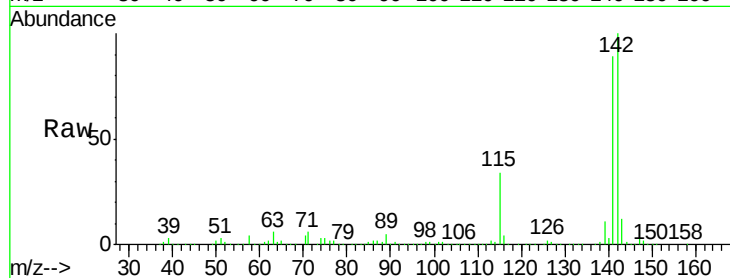




#37
 2-Methylnaphthalene
 Concen: 37.869 ng
 RT: 8.97 min Scan# 1170
 Delta R.T. -0.00 min
 Lab File: BF103968.D
 Acq: 27 Mar 2018 11:11

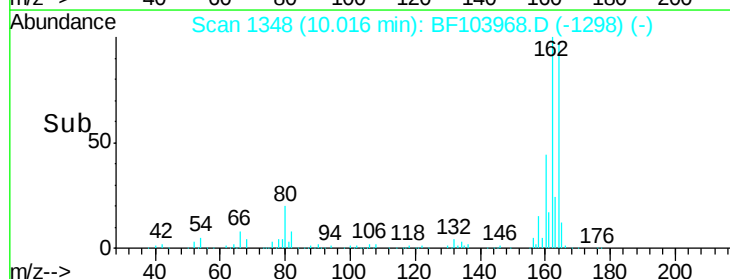
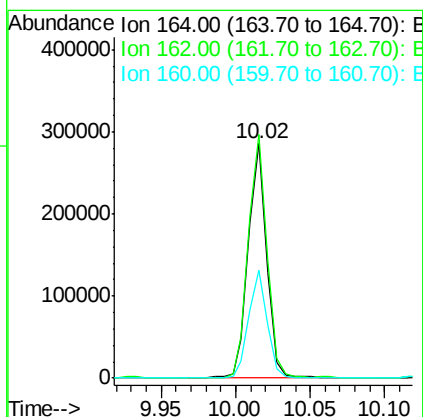
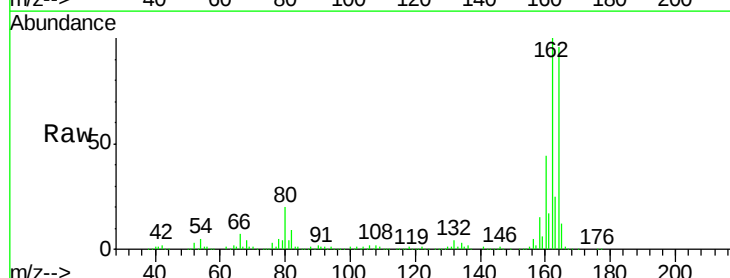
Instrument :
 BNA_F
 ClientSampleId :

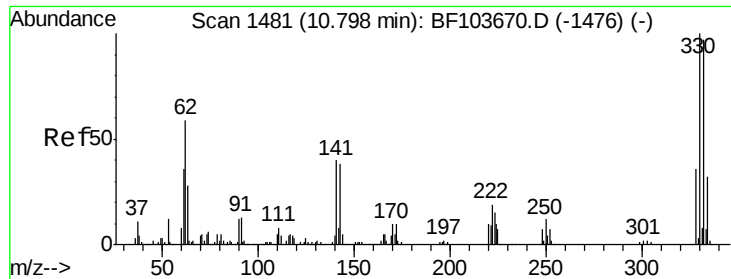
Tot Ion:142 Resp: 644302
 Ion Ratio Lower Upper
 142 100
 141 88.8 70.8 106.2
 115 34.1 26.1 39.1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: BF103968.D
 Acq: 27 Mar 2018 11:11

Tgt Ion:164 Resp: 244160
 Ion Ratio Lower Upper
 164 100
 162 103.9 86.1 129.1
 160 45.8 38.3 57.5

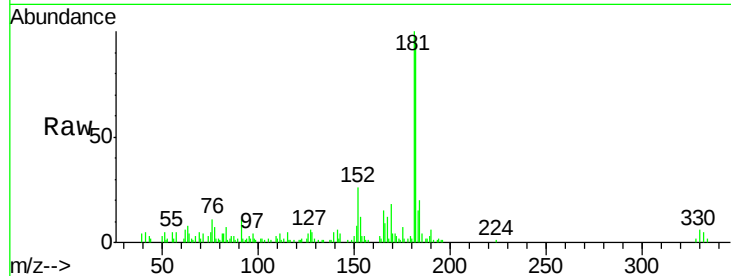




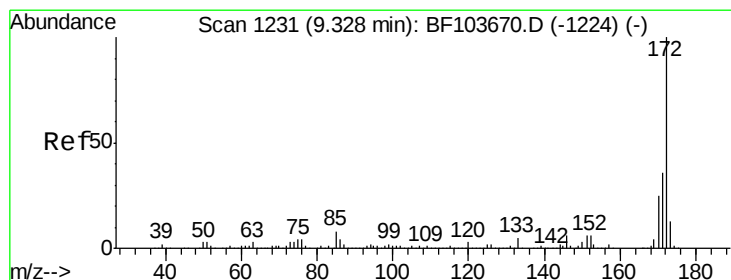
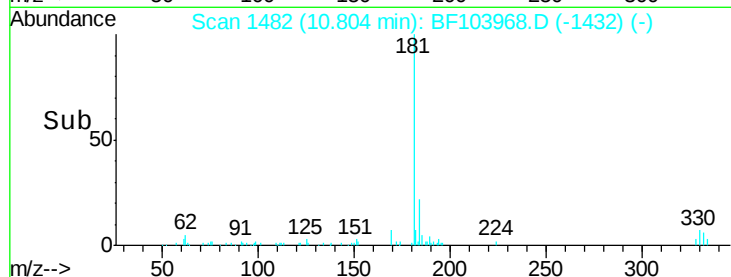
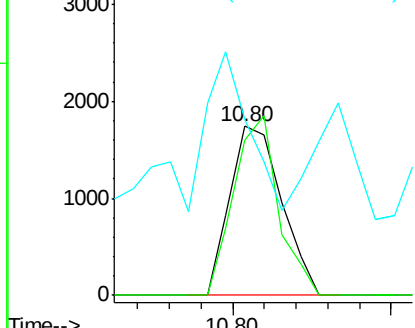
#41
 2,4,6-Tribromophenol
 Concen: 0.935 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: BF103968.D
 Acq: 27 Mar 2018 11:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 1963
 Ion Ratio Lower Upper
 330 100
 332 91.4 77.0 115.6
 141 142.2 29.9 44.9#

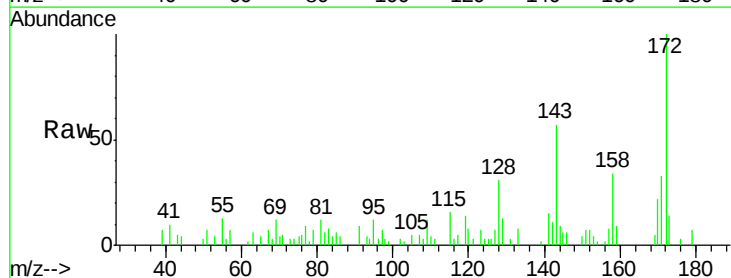


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

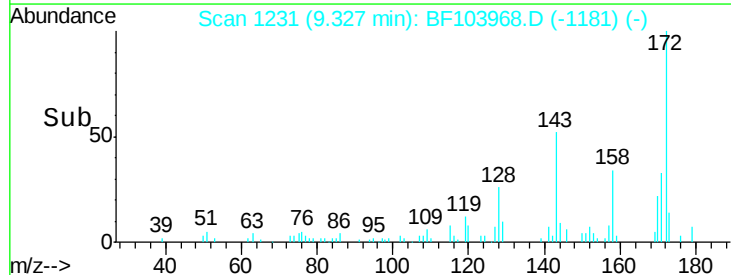
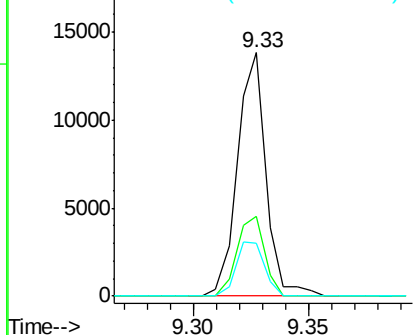


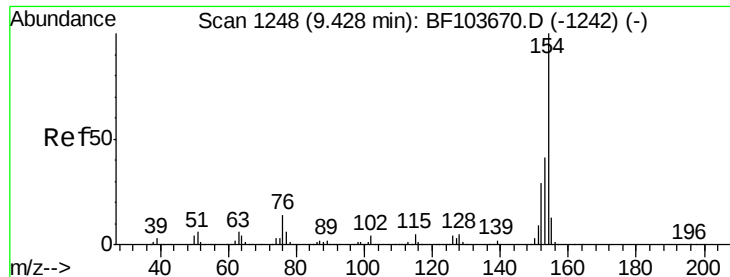
#44
 2-Fluorobiphenyl
 Concen: 0.776 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF103968.D
 Acq: 27 Mar 2018 11:11

Tgt Ion:172 Resp: 11876
 Ion Ratio Lower Upper
 172 100
 171 32.8 29.7 44.5
 170 21.5 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

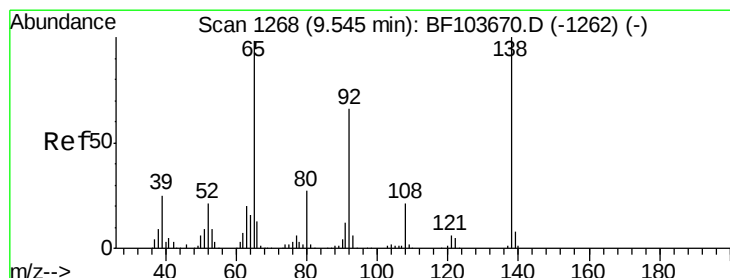
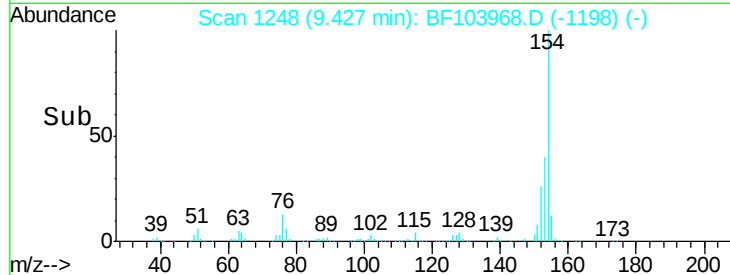
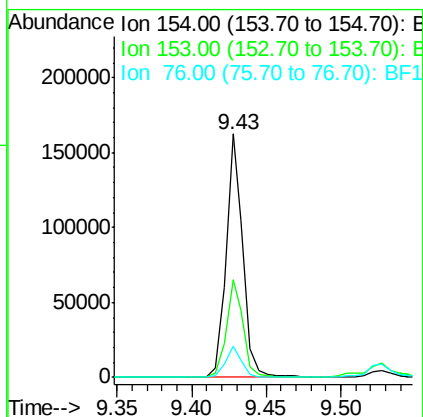
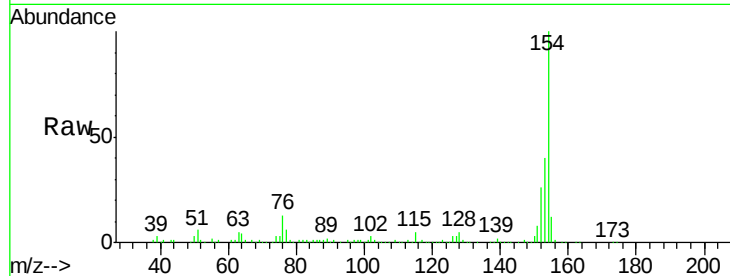




#45
 1,1'-Biphenyl
 Concen: 6.322 ng
 RT: 9.43 min Scan# 1248
 Delta R.T. -0.01 min
 Lab File: BF103968.D
 Acq: 27 Mar 2018 11:11

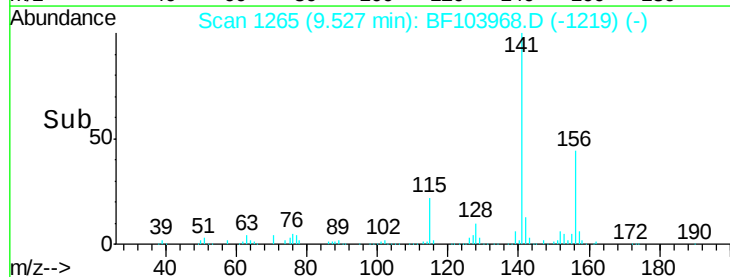
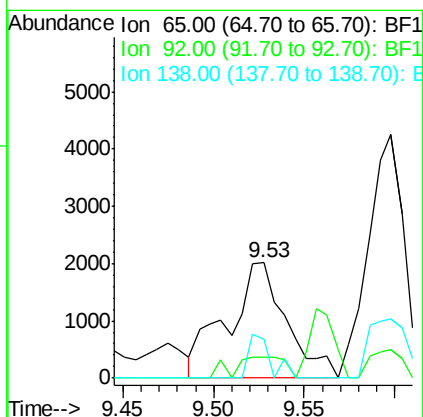
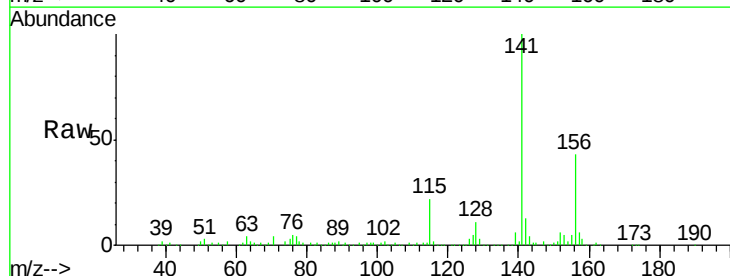
Instrument :
 BNA_F
 ClientSampleId :

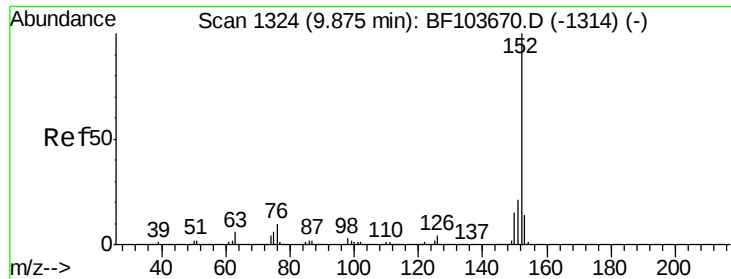
Tot Ion:154 Resp: 128721
 Ion Ratio Lower Upper
 154 100
 153 39.9 21.3 61.3
 76 13.0 0.0 34.0



#47
 2-Nitroaniline
 Concen: 7.737 ng
 RT: 9.53 min Scan# 1265
 Delta R.T. -0.03 min
 Lab File: BF103968.D
 Acq: 27 Mar 2018 11:11

Tgt Ion: 65 Resp: 4551
 Ion Ratio Lower Upper
 65 100
 92 18.1 55.8 83.6#
 138 33.3 91.2 136.8#

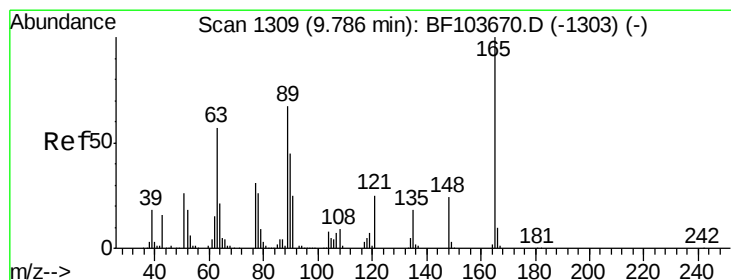
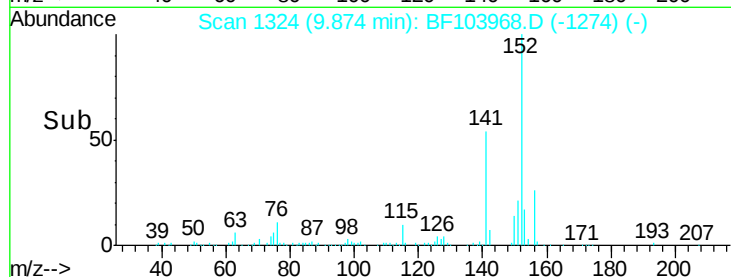
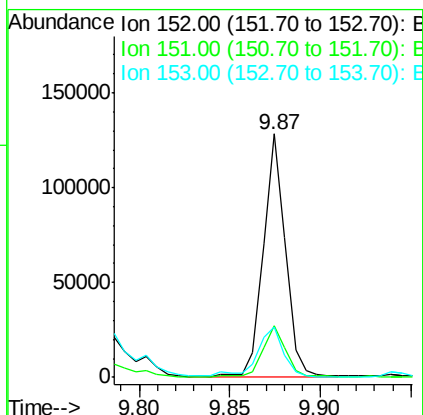
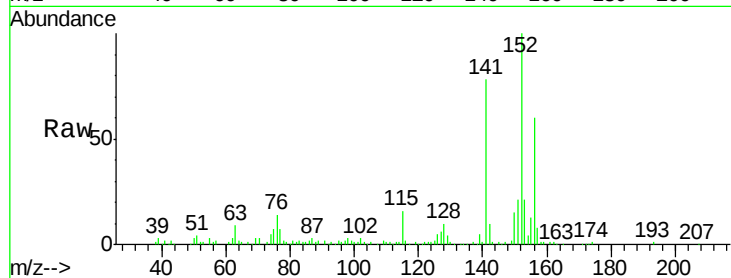




#48
Acenaphthylene
Concen: 4.307 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF103968.D
Acq: 27 Mar 2018 11:11

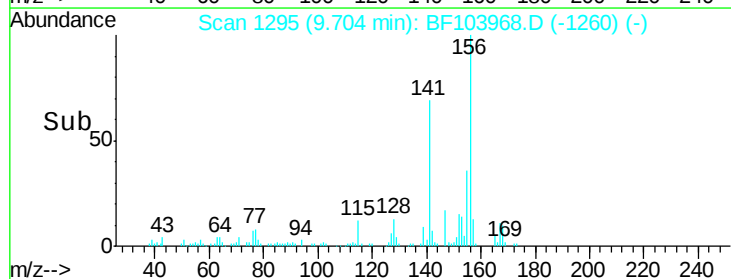
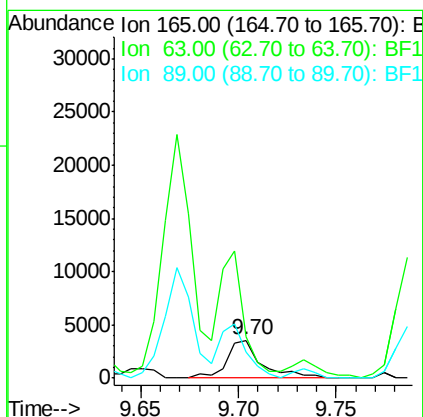
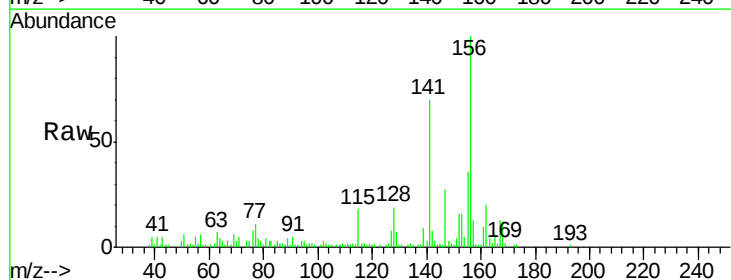
Instrument :
BNA_F
ClientSampleId :

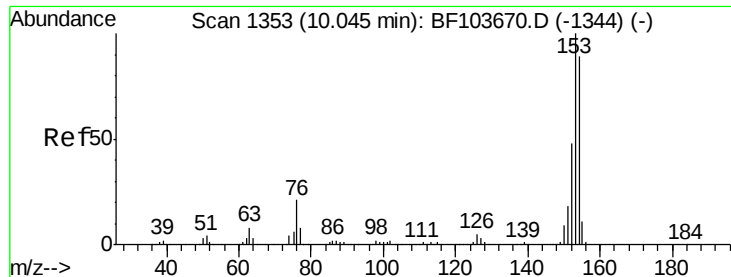
Tot Ion	Ratio	Lower	Upper
152	100		
151	21.1	16.3	24.5
153	20.5	10.7	16.1



#50
2,6-Dinitrotoluene
Concen: 5.106 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.09 min
Lab File: BF103968.D
Acq: 27 Mar 2018 11:11

Tgt Ion	Ratio	Lower	Upper
165	100		
63	108.5	44.7	67.1
89	70.7	44.0	66.0





#51

Acenaphthene

Concen: 27.217 ng

RT: 10.05 min Scan# 1354

Delta R.T. -0.01 min

Lab File: BF103968.D

Acq: 27 Mar 2018 11:11

Instrument :

BNA_F

ClientSampleId :

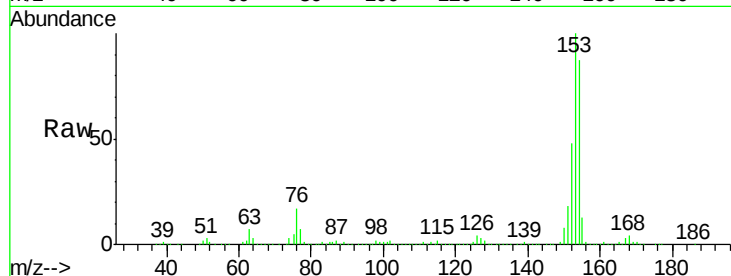
Tot Ion:154 Resp: 405235

Ion Ratio Lower Upper

154 100

153 114.4 91.2 136.8

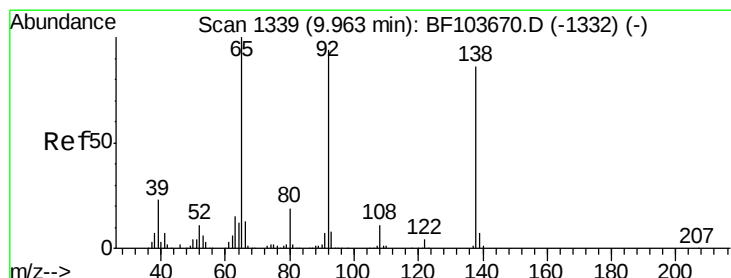
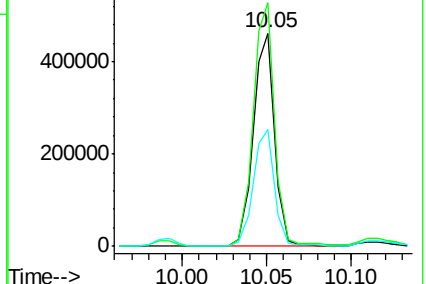
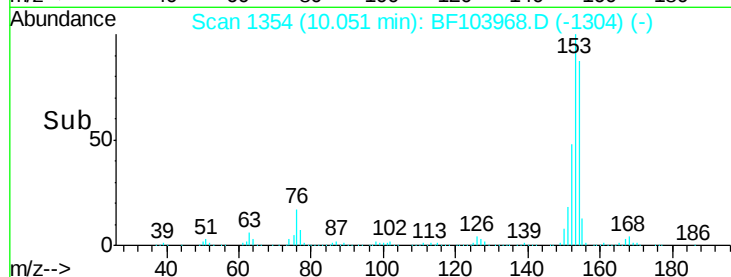
152 54.9 43.8 65.8



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



#52

3-Nitroaniline

Concen: 3.842 ng

RT: 9.96 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF103968.D

Acq: 27 Mar 2018 11:11

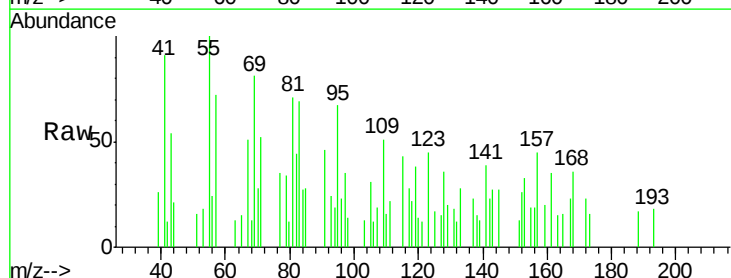
Tgt Ion:138 Resp: 131

Ion Ratio Lower Upper

138 100

108 0.0 9.4 14.0#

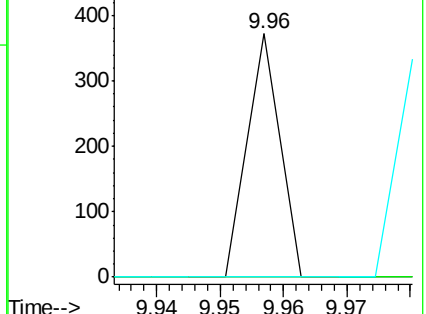
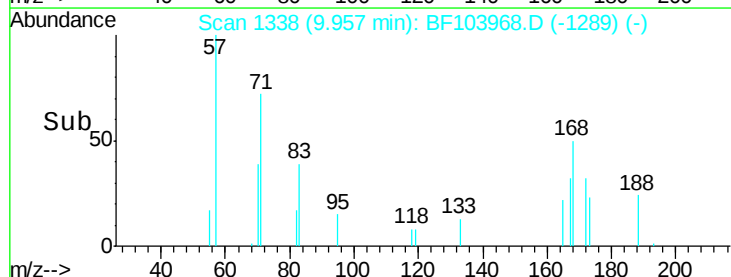
92 0.0 89.4 134.2#

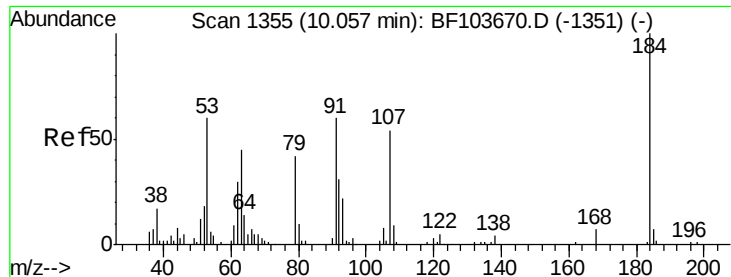


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

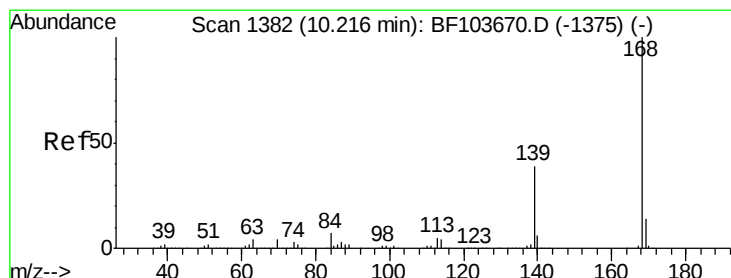
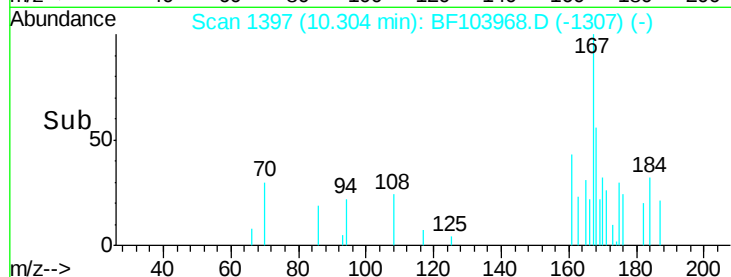
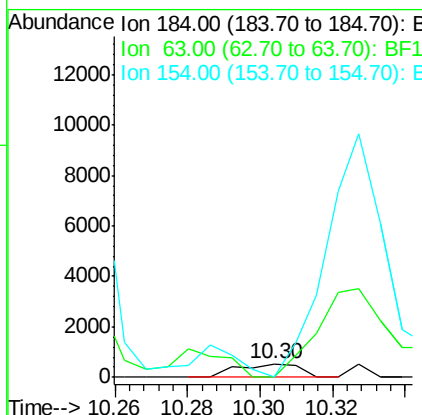
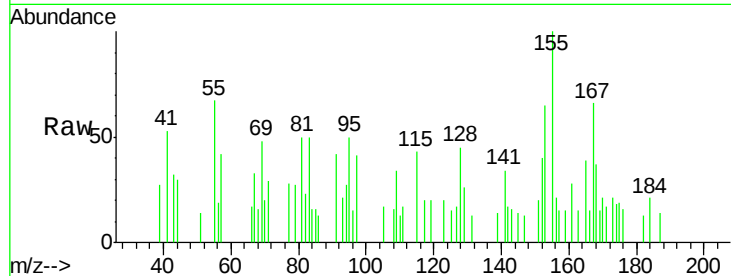




#53
 2,4-Dinitrophenol
 Concen: 7.636 ng
 RT: 10.30 min Scan# 1397
 Delta R.T. 0.23 min
 Lab File: BF103968.D
 Acq: 27 Mar 2018 11:11

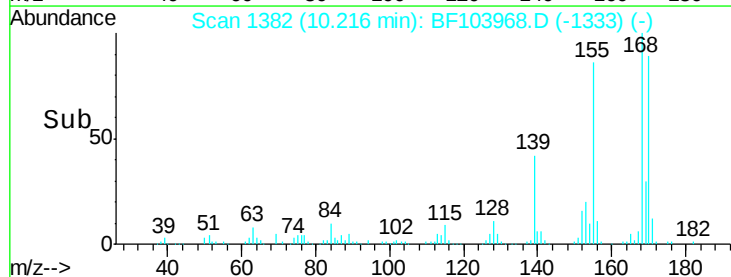
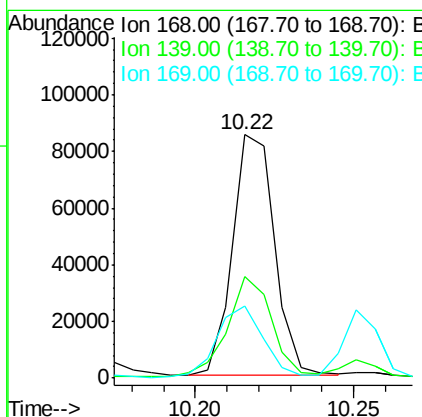
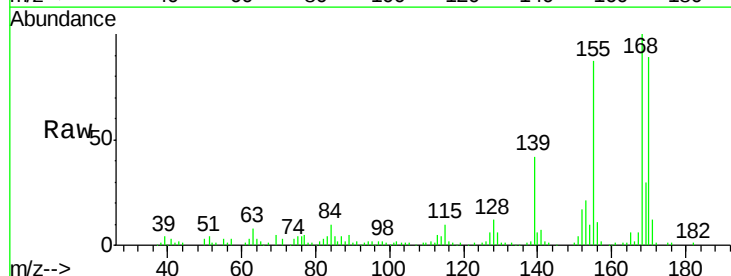
Instrument :
 BNA_F
 ClientSampleId :

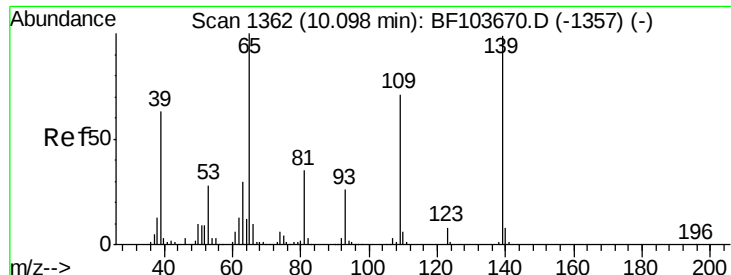
Tot Ion:184 Resp: 627
 Ion Ratio Lower Upper
 184 100
 63 0.0 54.2 81.2#
 154 0.0 184.0 276.0#



#54
 Dibenzofuran
 Concen: 3.663 ng
 RT: 10.22 min Scan# 1382
 Delta R.T. -0.01 min
 Lab File: BF103968.D
 Acq: 27 Mar 2018 11:11

Tgt Ion:168 Resp: 77903
 Ion Ratio Lower Upper
 168 100
 139 41.7 30.1 45.1
 169 29.5 10.9 16.3#

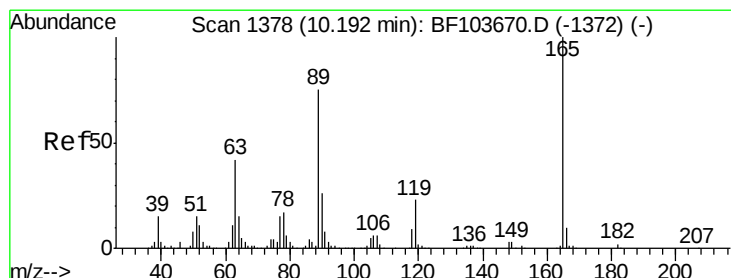
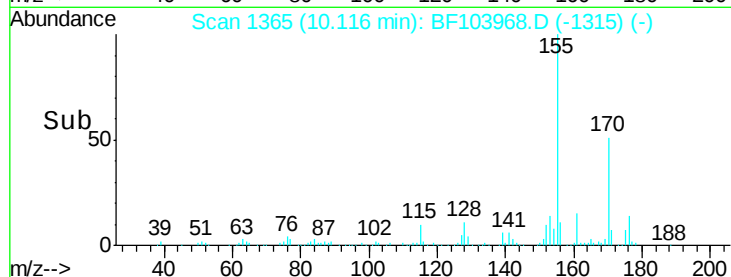
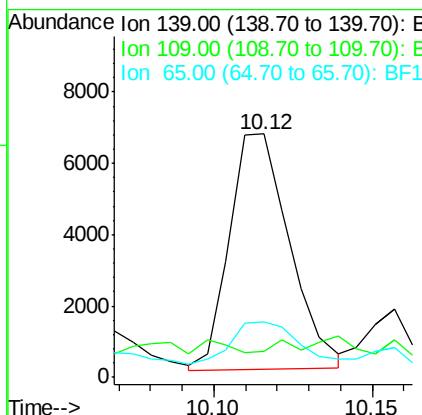
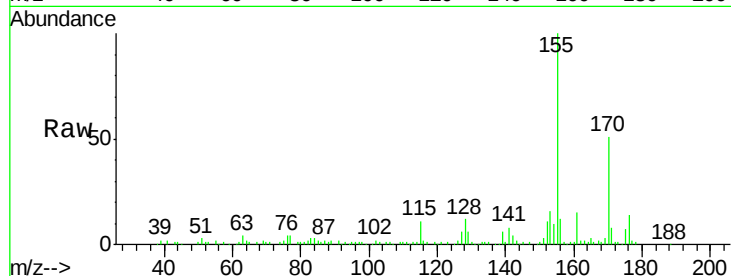




#55
4-Nitrophenol
Concen: 7.358 ng
RT: 10.12 min Scan# 1365
Delta R.T. -0.01 min
Lab File: BF103968.D
Acq: 27 Mar 2018 11:11

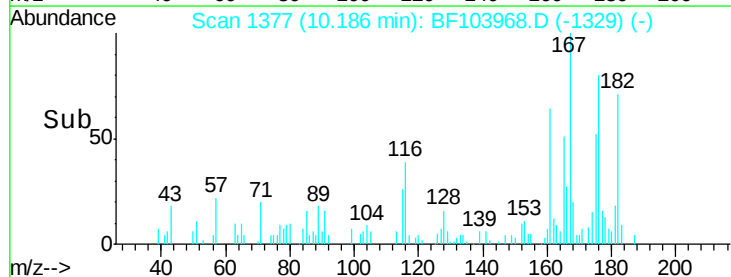
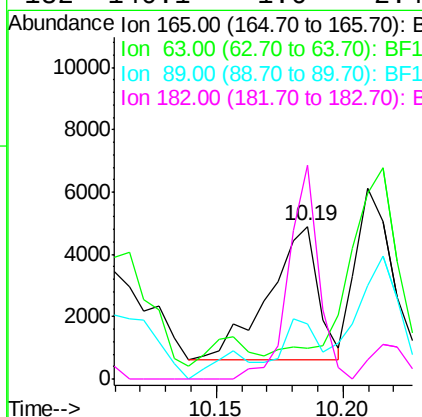
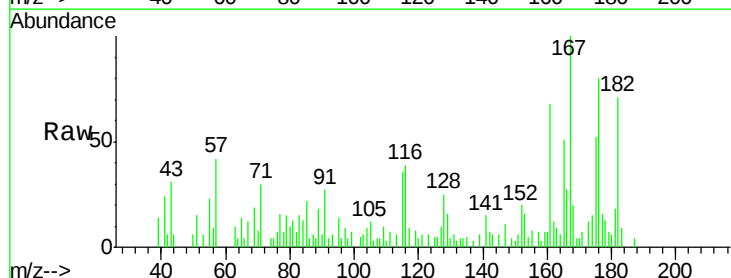
Instrument :
BNA_F
ClientSampleId :

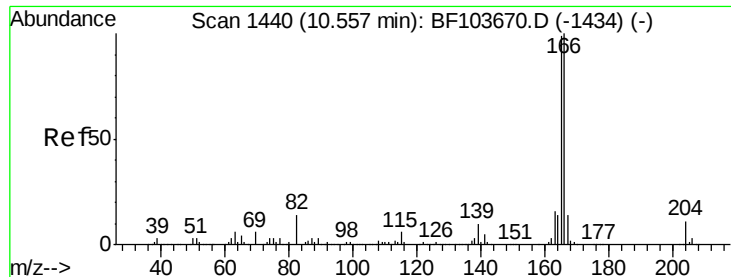
Tot Ion:139 Resp: 8686
Ion Ratio Lower Upper
139 100
109 10.8 48.4 88.4#
65 22.9 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 7.328 ng
RT: 10.19 min Scan# 1377
Delta R.T. -0.02 min
Lab File: BF103968.D
Acq: 27 Mar 2018 11:11

Tgt Ion:165 Resp: 5843
Ion Ratio Lower Upper
165 100
63 19.9 36.4 54.6#
89 36.1 57.8 86.6#
182 140.1 1.6 2.4#

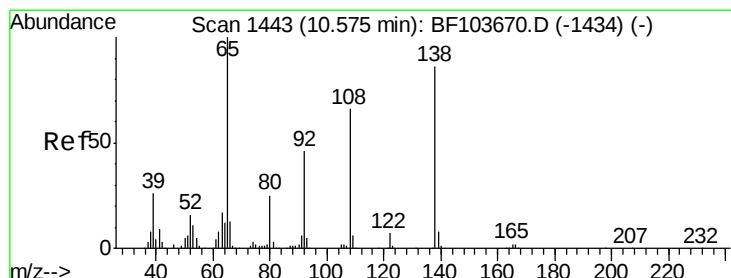
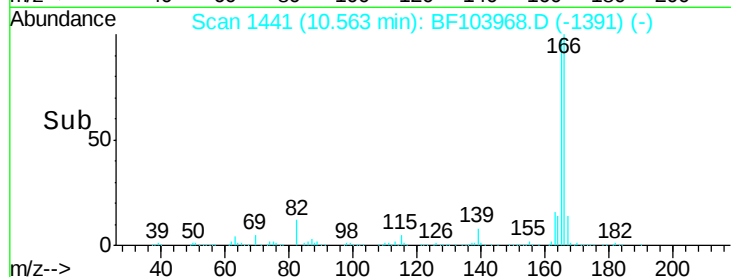
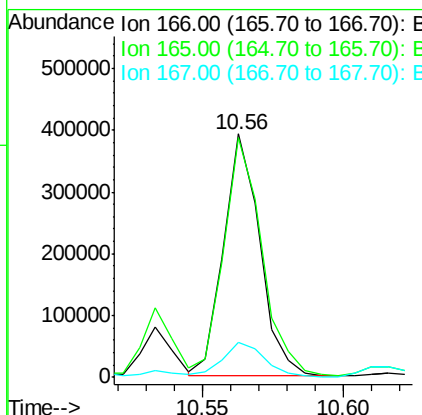
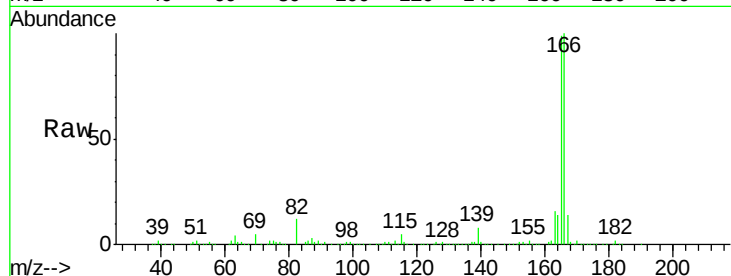




#57
 Fluorene
 Concen: 21.350 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF103968.D
 Acq: 27 Mar 2018 11:11

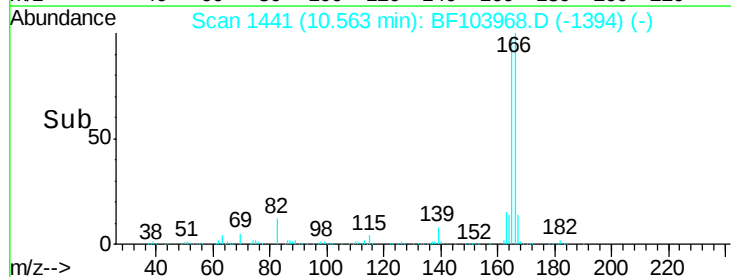
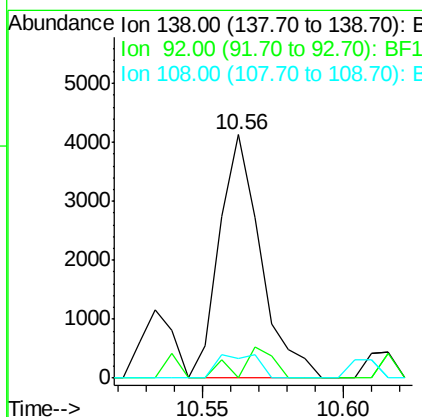
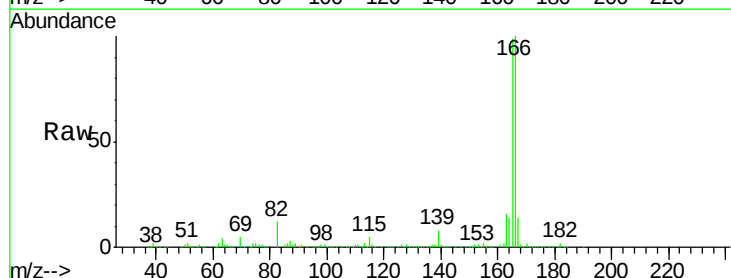
Instrument :
 BNA_F
 ClientSampleId :

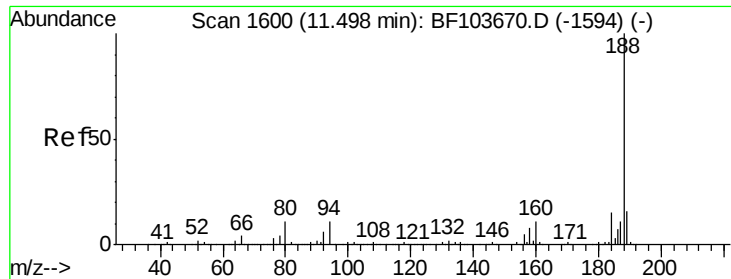
Tot Ion:166 Resp: 352305
 Ion Ratio Lower Upper
 166 100
 165 98.6 79.8 119.8
 167 14.4 10.6 16.0



#61
 4-Nitroaniline
 Concen: 4.680 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.02 min
 Lab File: BF103968.D
 Acq: 27 Mar 2018 11:11

Tgt Ion:138 Resp: 4196
 Ion Ratio Lower Upper
 138 100
 92 0.0 30.2 70.2#
 108 7.9 52.5 92.5#

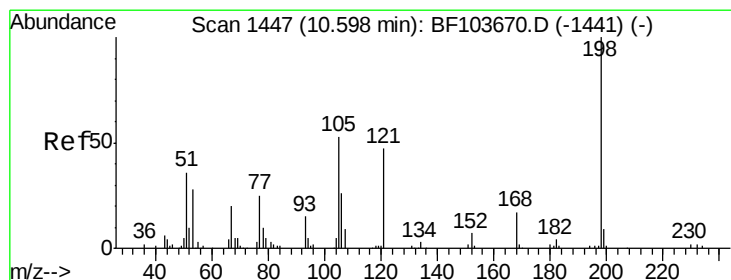
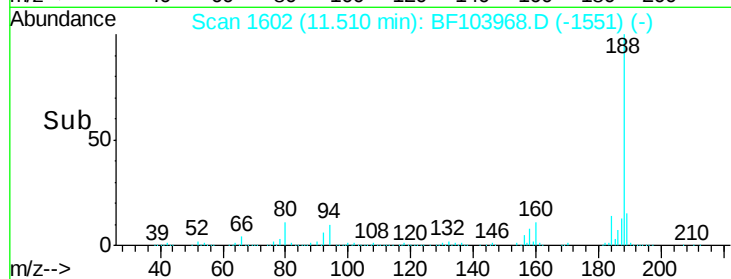
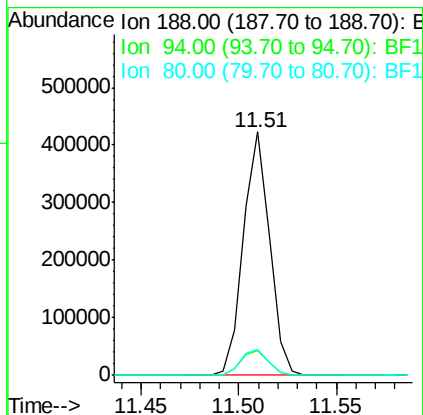
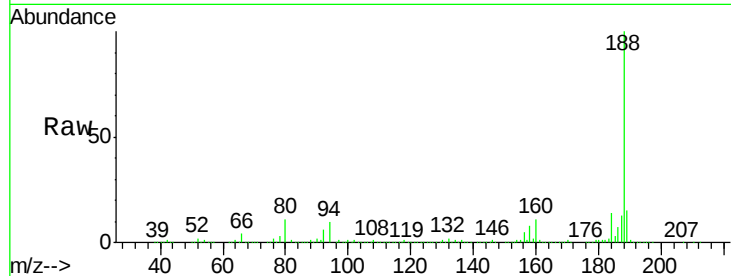




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. -0.00 min
 Lab File: BF103968.D
 Acq: 27 Mar 2018 11:11

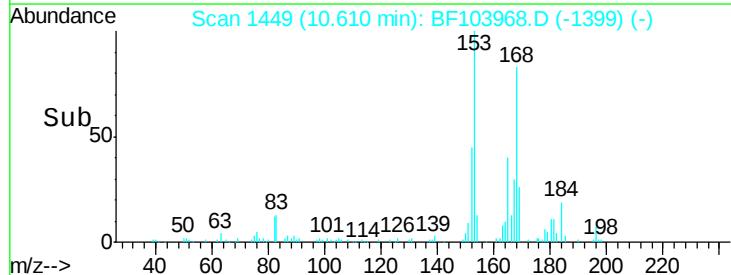
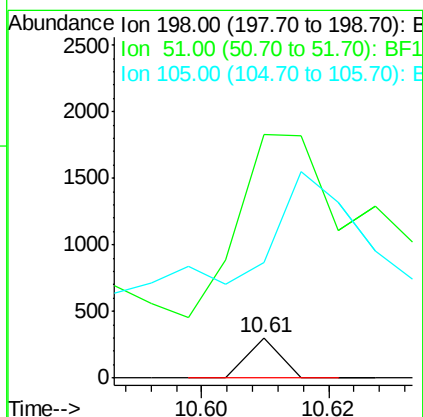
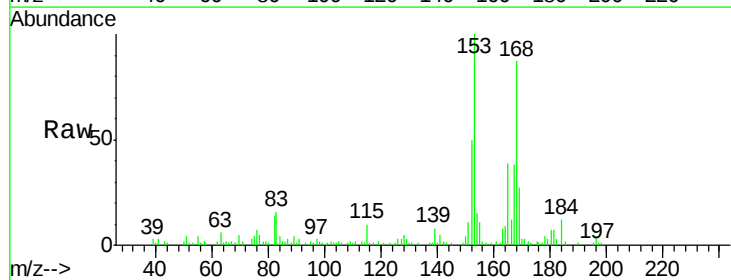
Instrument :
 BNA_F
 ClientSampleId :

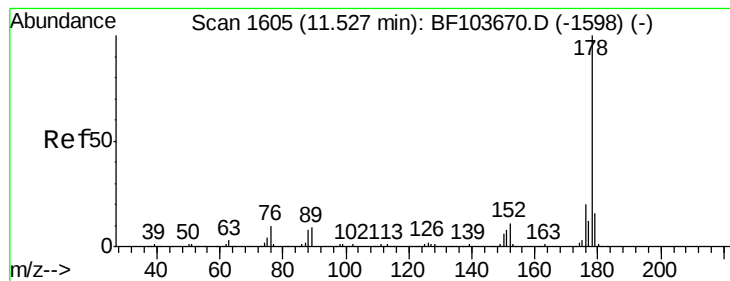
Tot Ion:188 Resp: 395133
 Ion Ratio Lower Upper
 188 100
 94 10.4 8.5 12.7
 80 10.9 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.197 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. -0.01 min
 Lab File: BF103968.D
 Acq: 27 Mar 2018 11:11

Tgt Ion:198 Resp: 108
 Ion Ratio Lower Upper
 198 100
 51 599.3 37.7 77.7#
 105 285.2 36.3 76.3#





#70

Phenanthrene

Concen: 61.230 ng

RT: 11.54 min Scan# 1607

Delta R.T. -0.00 min

Lab File: BF103968.D

Acq: 27 Mar 2018 11:11

Instrument :

BNA_F

ClientSampleId :

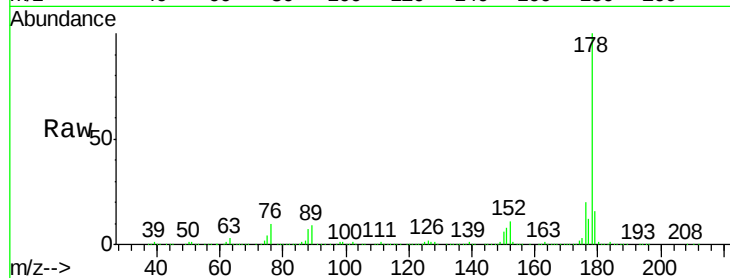
Tot Ion:178 Resp: 1323477

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.7	13.0	19.6

178 100

176 19.7 15.8 23.8

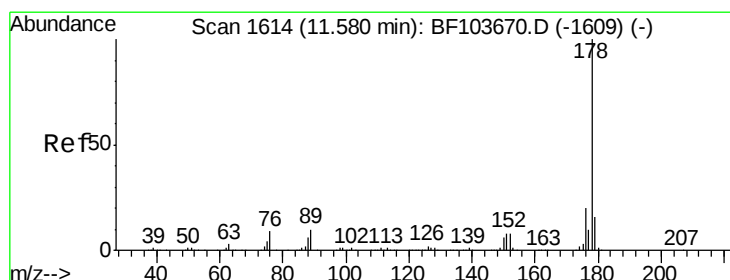
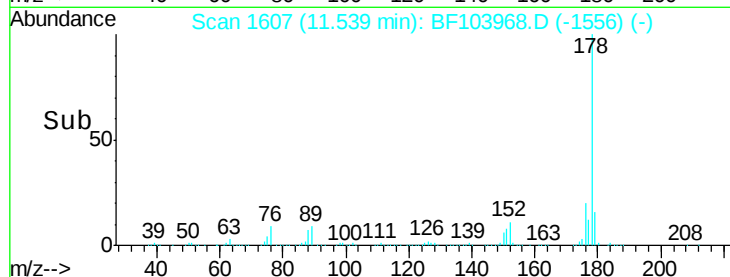
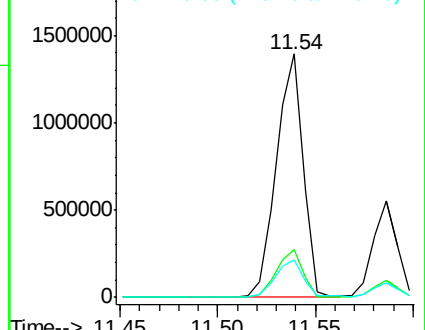
179 15.7 13.0 19.6



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: 21.470 ng

RT: 11.59 min Scan# 1615

Delta R.T. -0.01 min

Lab File: BF103968.D

Acq: 27 Mar 2018 11:11

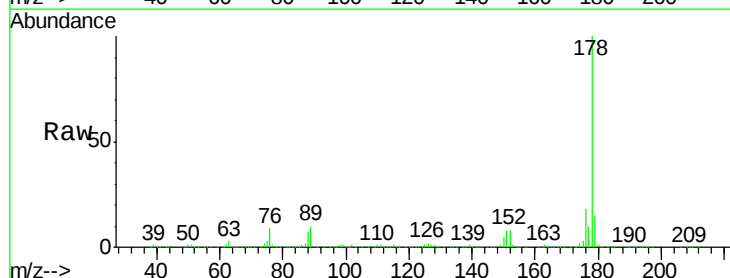
Tgt Ion:178 Resp: 471324

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	15.3	12.6	19.0

178 100

176 18.1 15.4 23.2

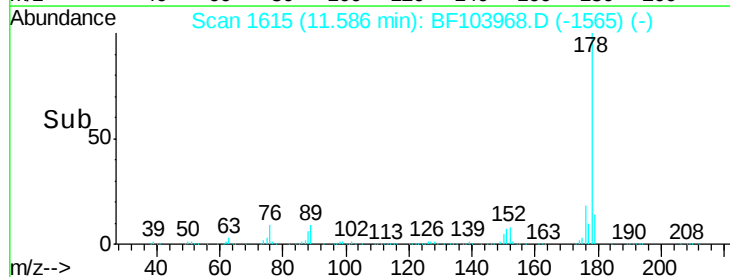
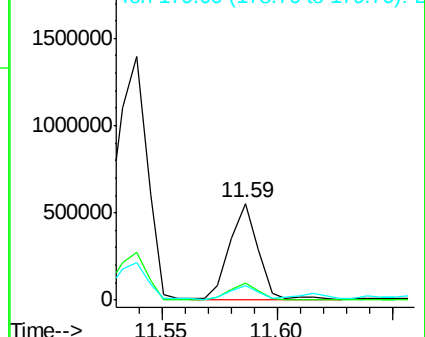
179 15.3 12.6 19.0

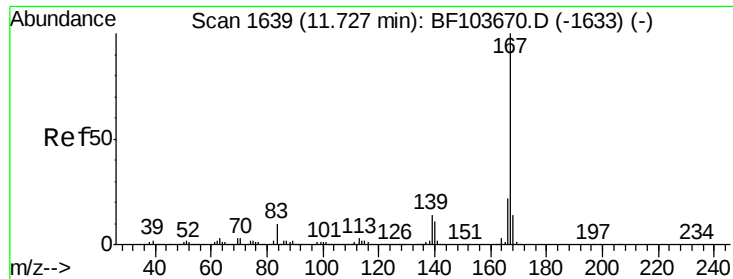


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 2.228 ng

RT: 11.73 min Scan# 1640

Delta R.T. -0.01 min

Lab File: BF103968.D

Acq: 27 Mar 2018 11:11

Instrument :

BNA_F

ClientSampleId :

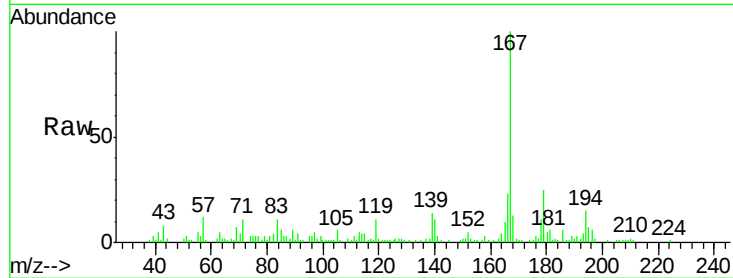
Tot Ion:167 Resp: 47535

Ion Ratio Lower Upper

167 100

166 23.1 17.6 26.4

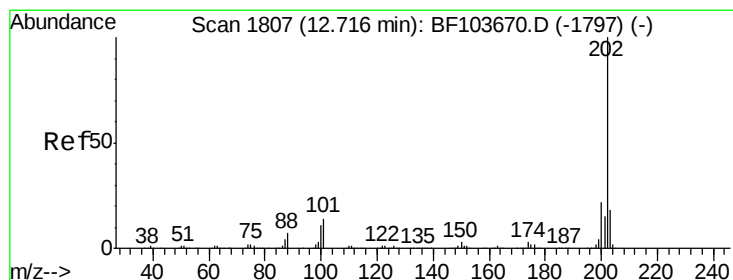
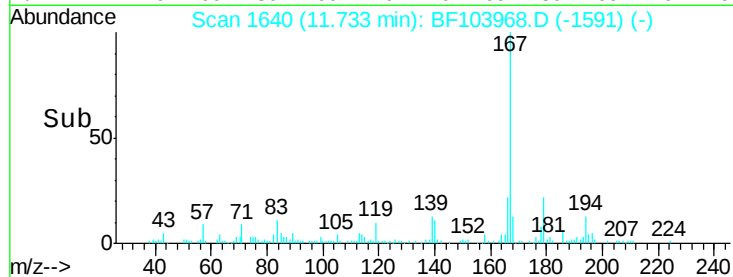
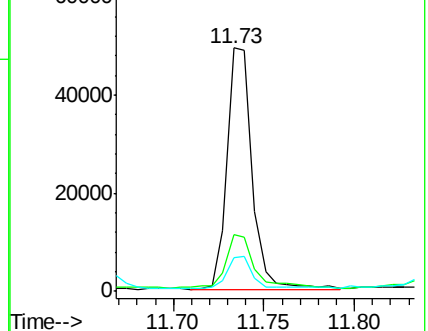
139 13.6 10.9 16.3



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: 28.801 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF103968.D

Acq: 27 Mar 2018 11:11

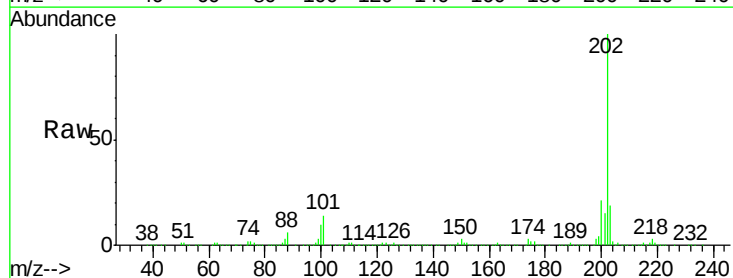
Tgt Ion:202 Resp: 641342

Ion Ratio Lower Upper

202 100

101 13.6 0.0 34.1

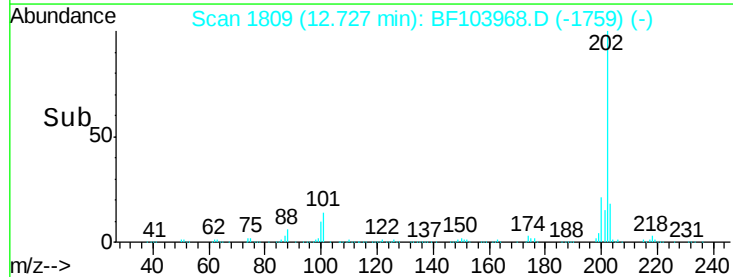
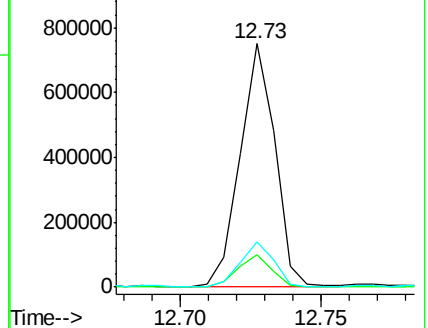
203 18.6 0.0 38.1

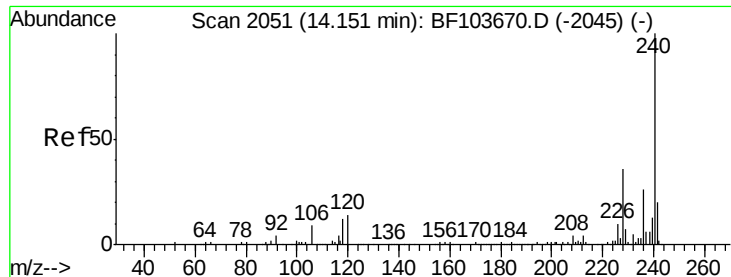


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.16 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BF103968.D

Acq: 27 Mar 2018 11:11

Instrument :

BNA_F

ClientSampleId :

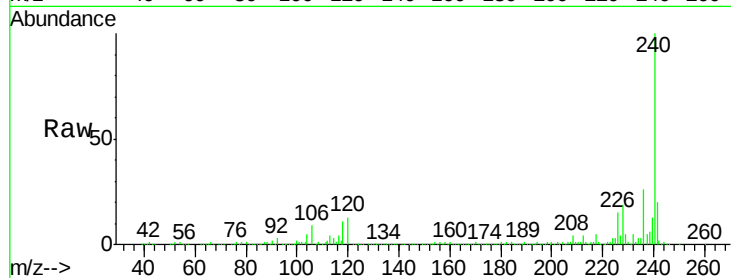
Tot Ion:240 Resp: 255316

Ion Ratio Lower Upper

240 100

120 13.2 9.5 14.3

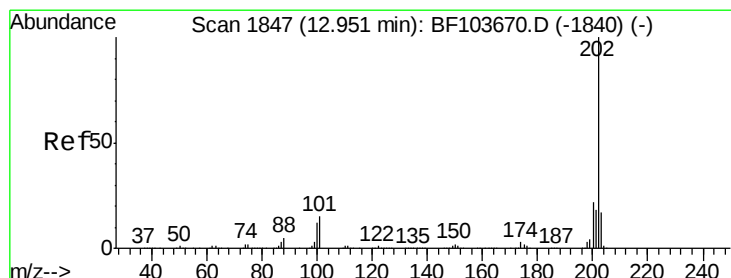
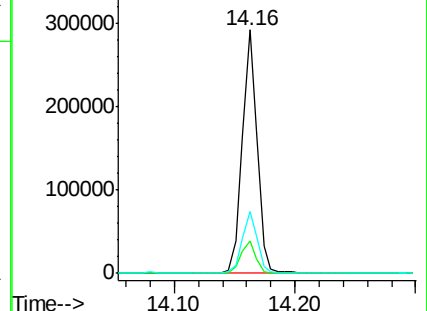
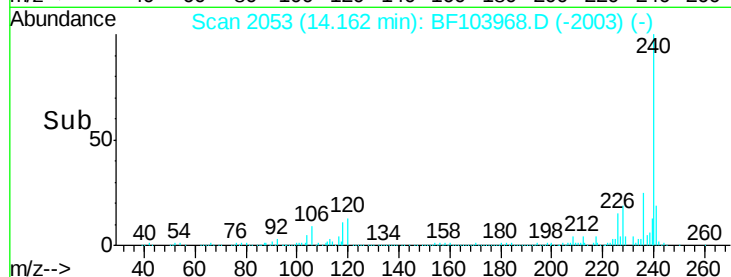
236 25.6 20.7 31.1



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: 45.044 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.00 min

Lab File: BF103968.D

Acq: 27 Mar 2018 11:11

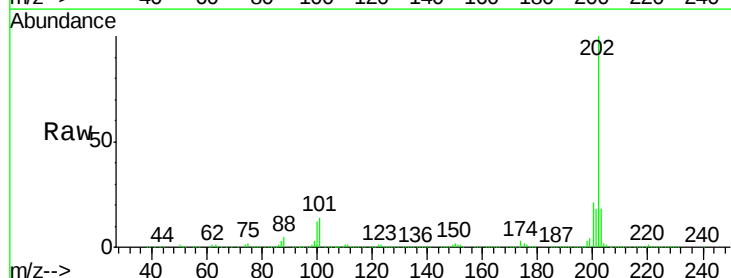
Tgt Ion:202 Resp: 844578

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

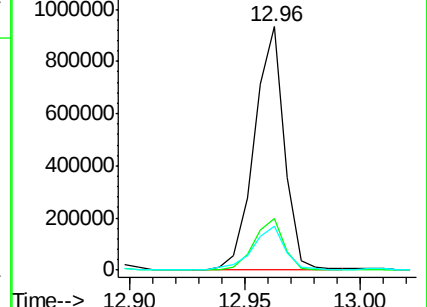
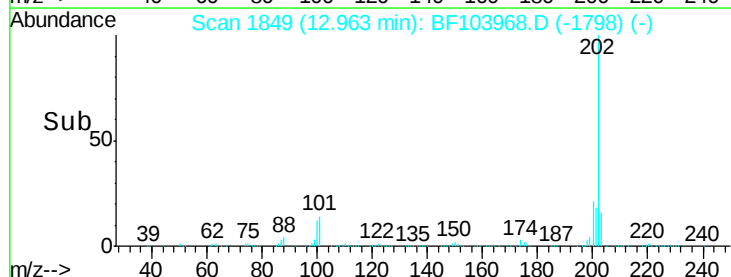
203 17.8 14.3 21.5

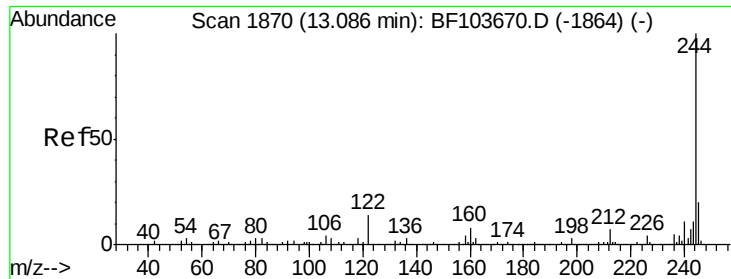


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

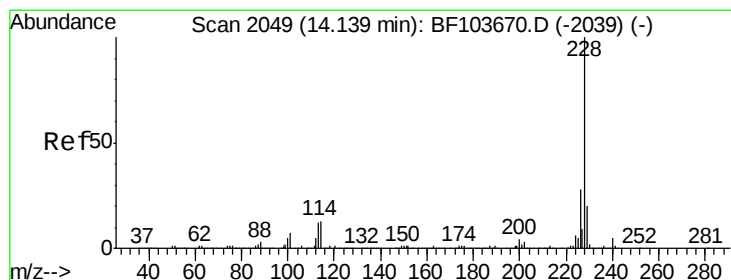
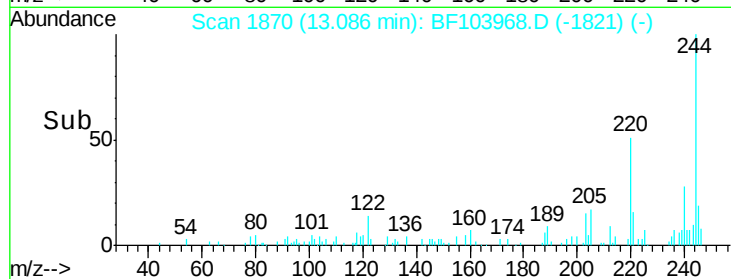
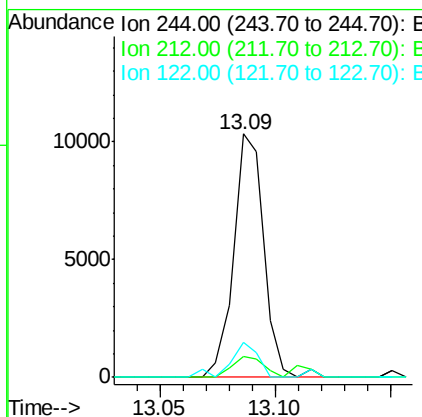
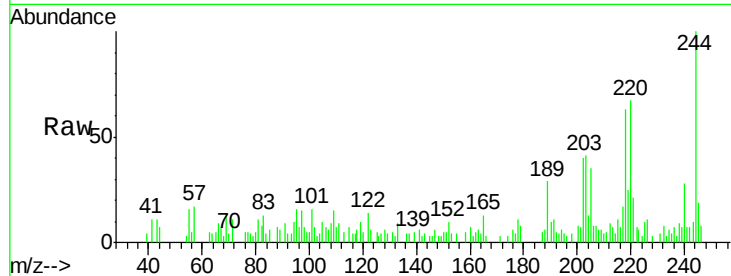




#78
 Terphenyl-d14
 Concen: 0.856 ng
 RT: 13.09 min Scan# 1870
 Delta R.T. -0.01 min
 Lab File: BF103968.D
 Acq: 27 Mar 2018 11:11

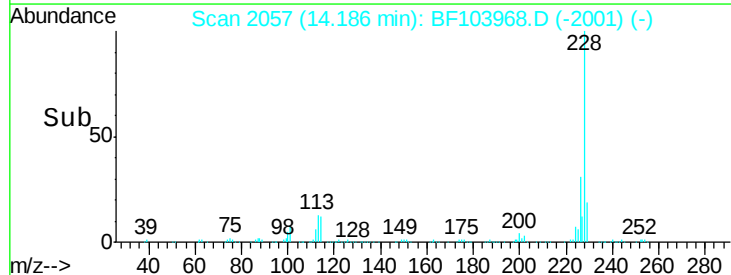
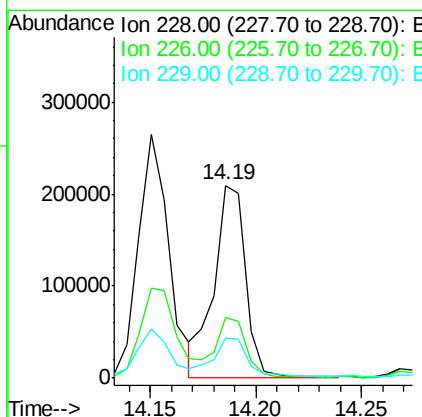
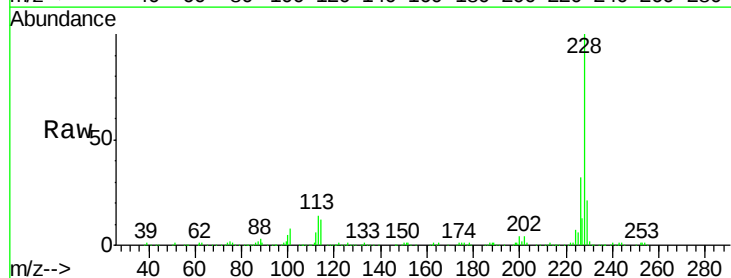
Instrument :
 BNA_F
 ClientSampleID :

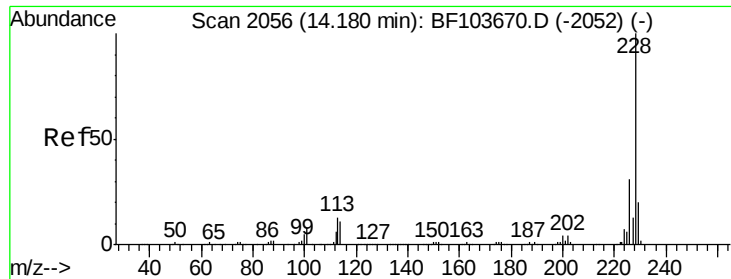
Tot Ion:244 Resp: 9421
 Ion Ratio Lower Upper
 244 100
 212 8.7 5.4 8.0#
 122 14.4 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 13.378 ng
 RT: 14.19 min Scan# 2057
 Delta R.T. 0.03 min
 Lab File: BF103968.D
 Acq: 27 Mar 2018 11:11

Tgt Ion:228 Resp: 216212
 Ion Ratio Lower Upper
 228 100
 226 31.5 22.6 33.8
 229 21.2 15.8 23.6





#82

Chrysene

Concen: 14.034 ng

RT: 14.19 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BF103968.D

Acq: 27 Mar 2018 11:11

Instrument :

BNA_F

ClientSampleId :

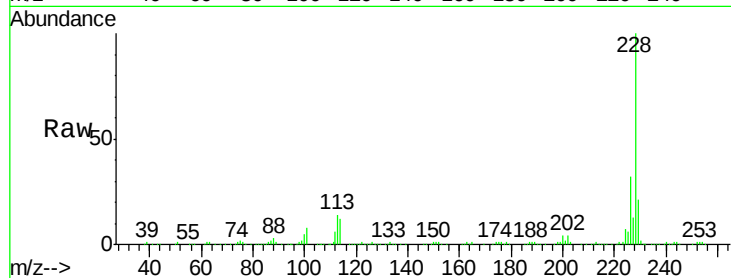
Tot Ion:228 Resp: 216212

Ion Ratio Lower Upper

228 100

226 31.5 25.0 37.6

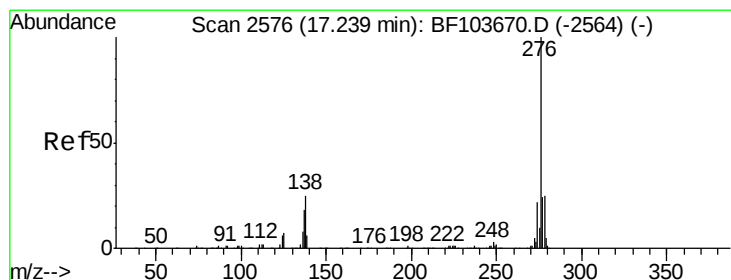
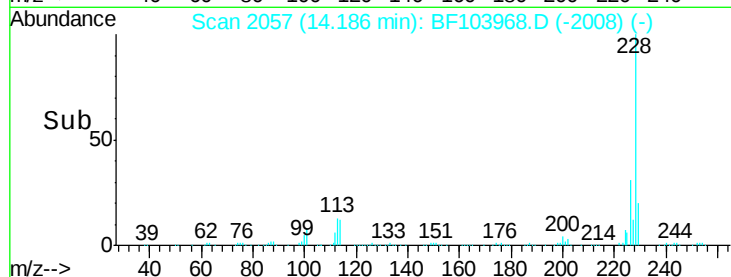
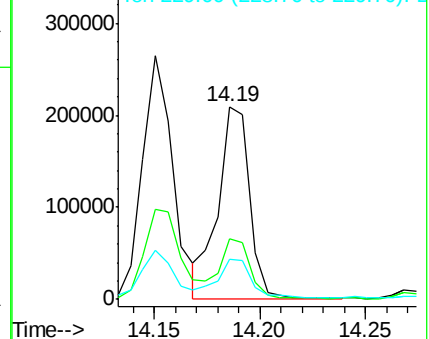
229 21.2 16.2 24.4



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: 5.165 ng

RT: 17.29 min Scan# 2584

Delta R.T. -0.01 min

Lab File: BF103968.D

Acq: 27 Mar 2018 11:11

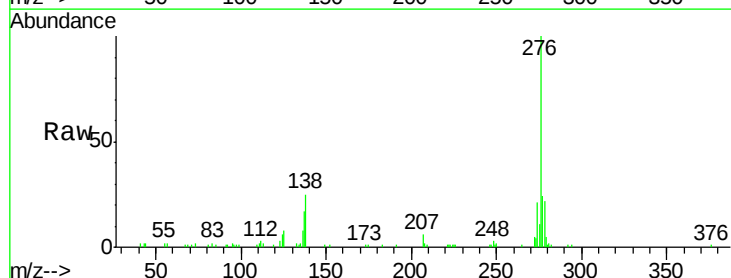
Tgt Ion:276 Resp: 69483

Ion Ratio Lower Upper

276 100

138 27.8 25.0 37.6

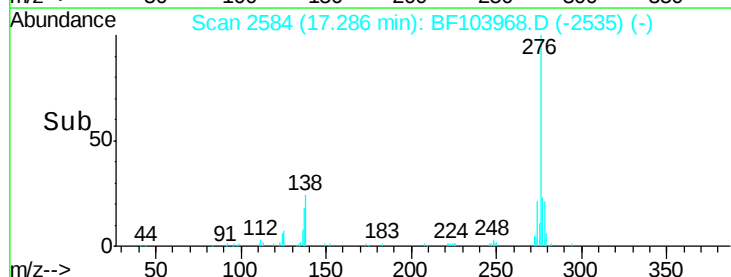
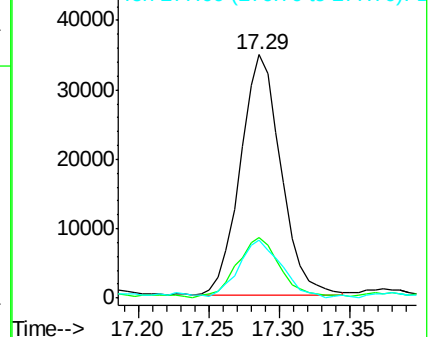
277 25.6 20.1 30.1

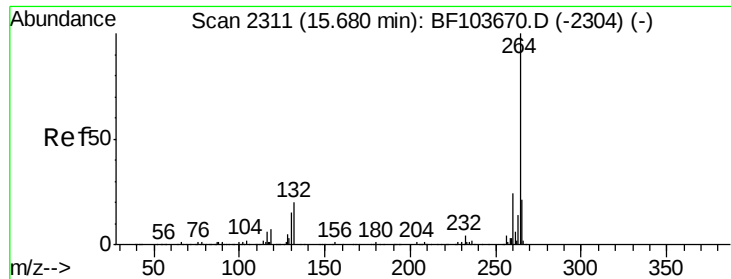


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

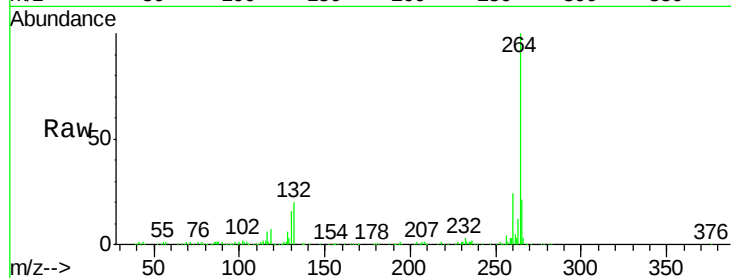




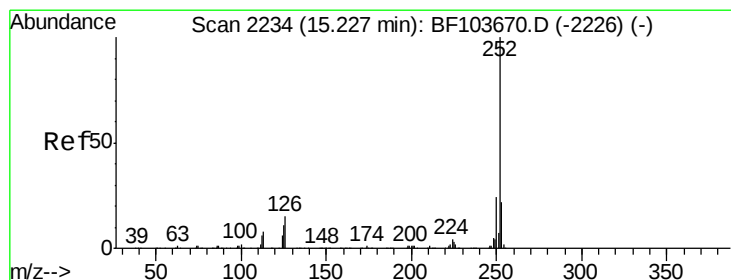
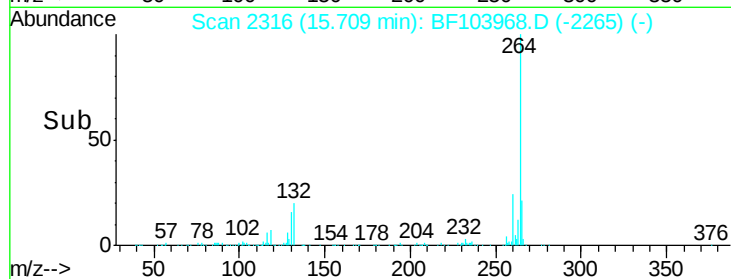
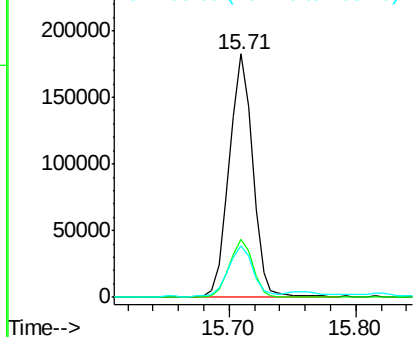
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2316
Delta R.T. -0.00 min
Lab File: BF103968.D
Acq: 27 Mar 2018 11:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 235624
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 21.4 17.5 26.3

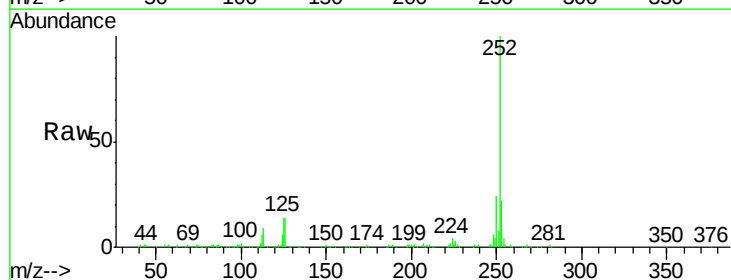


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

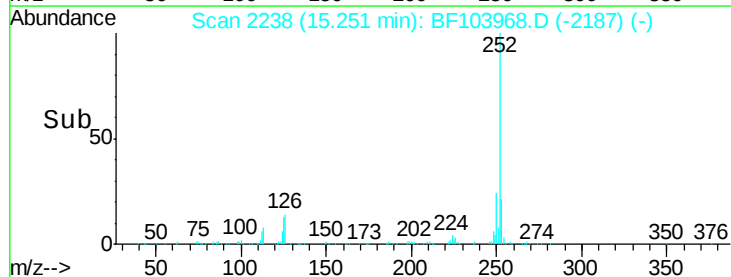
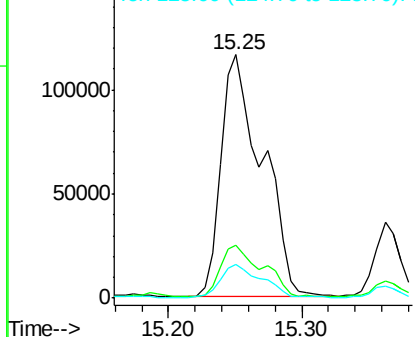


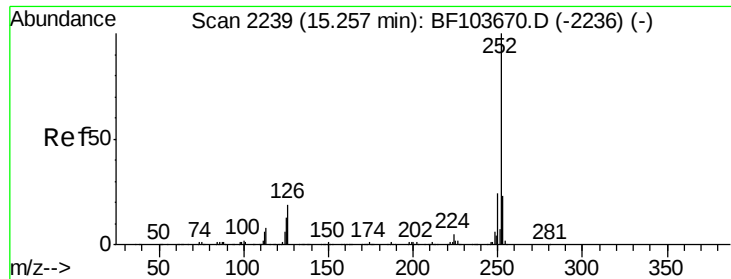
#87
Benzo(b)fluoranthene
Concen: 16.936 ng
RT: 15.25 min Scan# 2238
Delta R.T. -0.00 min
Lab File: BF103968.D
Acq: 27 Mar 2018 11:11

Tgt Ion:252 Resp: 252112
Ion Ratio Lower Upper
252 100
253 21.6 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

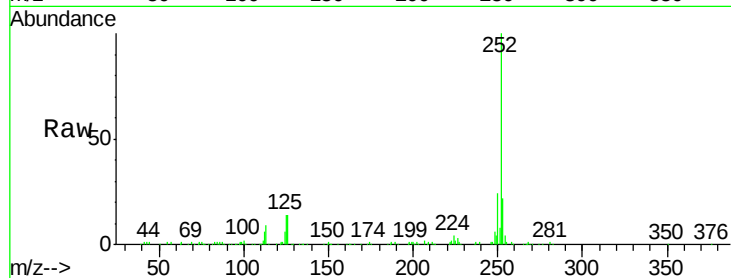




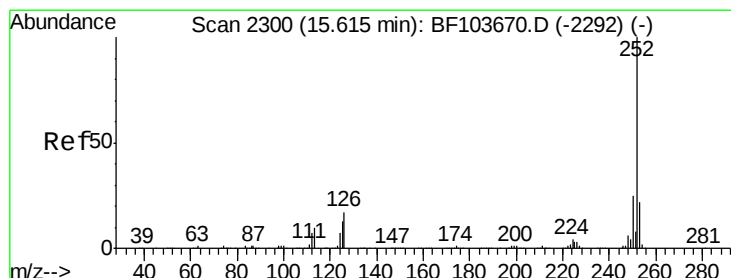
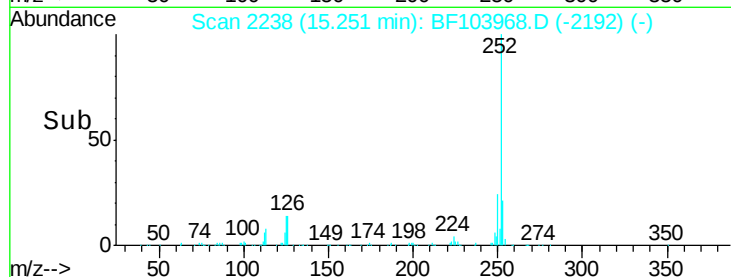
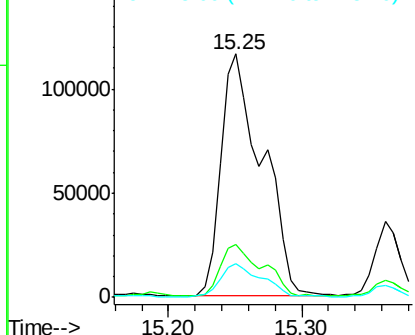
#88
Benzo(k)fluoranthene
Concen: 17.618 ng
RT: 15.25 min Scan# 2238
Delta R.T. -0.03 min
Lab File: BF103968.D
Acq: 27 Mar 2018 11:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.9	26.9
125	13.9	10.2	15.2

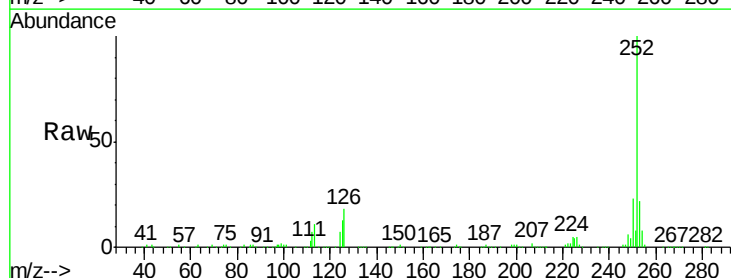


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

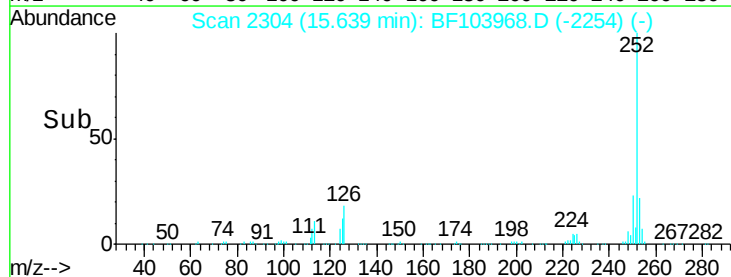
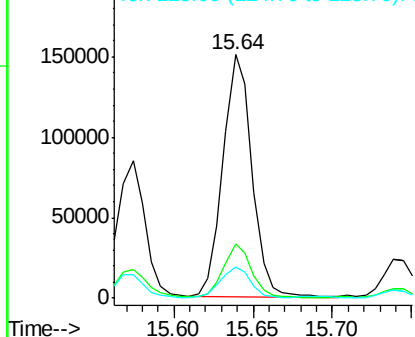


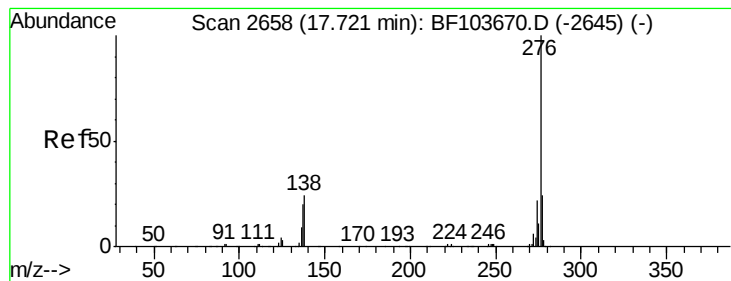
#89
Benzo(a)pyrene
Concen: 14.252 ng
RT: 15.64 min Scan# 2304
Delta R.T. -0.01 min
Lab File: BF103968.D
Acq: 27 Mar 2018 11:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	12.7	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

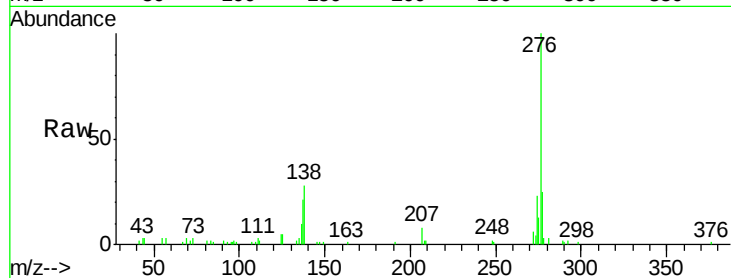




#91
 Benzo(a,h,i)perylene
 Concen: 6.194 ng
 RT: 17.77 min Scan# 2666
 Delta R.T. -0.01 min
 Lab File: BF103968.D
 Acq: 27 Mar 2018 11:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.8	17.9	26.9
138	28.0	21.8	32.8



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

