

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112618\
 Data File : BF110967.D
 Acq On : 26 Nov 2018 16:53
 Operator : JU/SJ
 Sample : J5765-03DL 20X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 26 17:20:34 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 26 15:26:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	72943	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	327779	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	160006	20.00	ng	0.00
64) Phenanthrene-d10	11.47	188	277703	20.00	ng	0.00
76) Chrysene-d12	14.13	240	164847	20.00	ng	0.00
87) Perylene-d12	15.66	264	169402	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	13510	3.07	ng	0.04
7) Phenol-d6	6.60	99	21973	3.83	ng	0.03
23) Nitrobenzene-d5	7.53	82	13368	2.33	ng	0.02
42) 2,4,6-Tribromophenol	10.78	330	5398	3.40	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	29234	2.65	ng	0.00
79) Terphenyl-d14	13.05	244	22639	2.67	ng	0.00

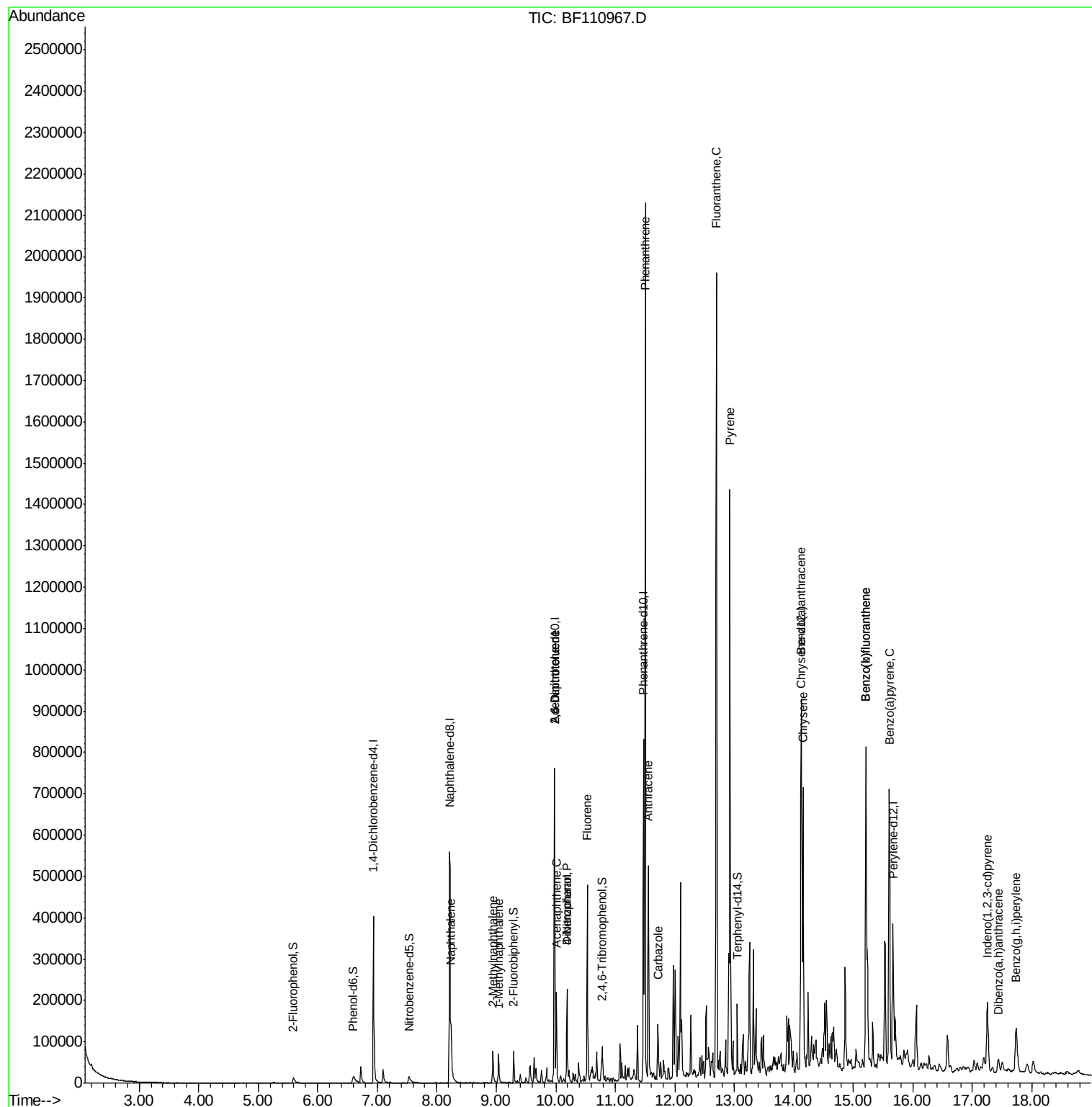
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.72	77	115	Below Cal		# 47
31) Naphthalene	8.24	128	75861	4.937	ng	98
37) 2-Methylnaphthalene	8.94	142	29556	2.912	ng	99
38) 1-Methylnaphthalene	9.04	142	27008	2.736	ng	# 100
51) 2,6-Dinitrotoluene	9.97	165	21359	8.176	ng	# 22
52) Acenaphthene	10.01	154	46862	4.806	ng	97
55) Dibenzofuran	10.19	168	89877	6.319	ng	97
56) 4-Nitrophenol	10.19	139	35100	23.876	ng	# 7
57) 2,4-Dinitrotoluene	9.97	165	21359	6.302	ng	# 18
58) Fluorene	10.53	166	141851	12.818	ng	99
71) Phenanthrene	11.50	178	777675	52.875	ng	99
72) Anthracene	11.55	178	223598	14.928	ng	99
73) Carbazole	11.72	167	50181	3.452	ng	99
75) Fluoranthene	12.70	202	780500	51.632	ng	99
78) Pyrene	12.93	202	630809	52.393	ng	99
81) Benzo(a)anthracene	14.12	228	286774	29.466	ng	99
83) Chrysene	14.16	228	233167	24.337	ng	98
86) Indeno(1,2,3-cd)pyrene	17.25	276	114255	16.614	ng	97
88) Benzo(b)fluoranthene	15.21	252	407619	40.960	ng	97
89) Benzo(k)fluoranthene	15.21	252	407619	39.794	ng	# 96
90) Benzo(a)pyrene	15.60	252	231832	25.027	ng	99
91) Dibenzo(a,h)anthracene	17.44	278	25397	3.323	ng	98
92) Benzo(g,h,i)perylene	17.73	276	100056	13.577	ng	96

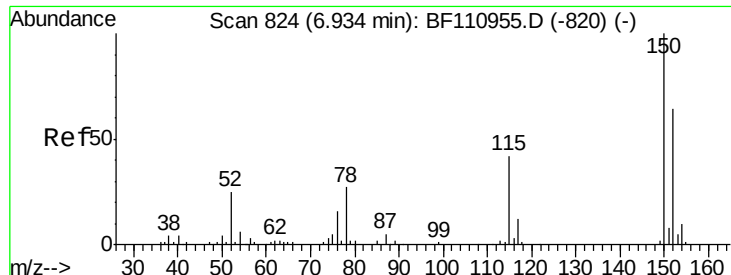
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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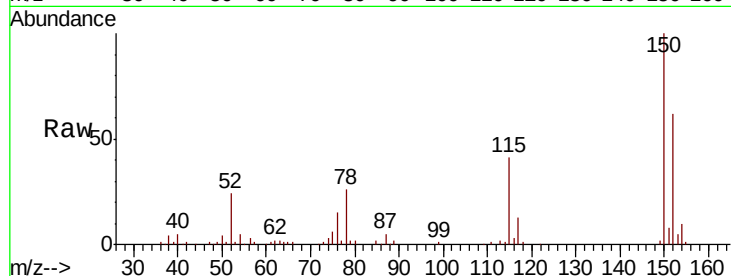


#1

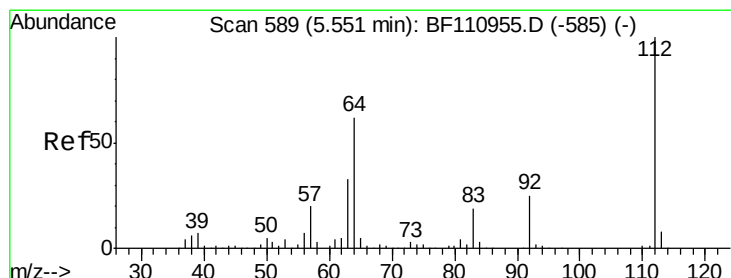
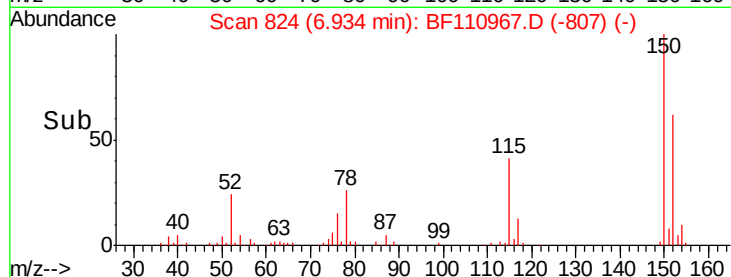
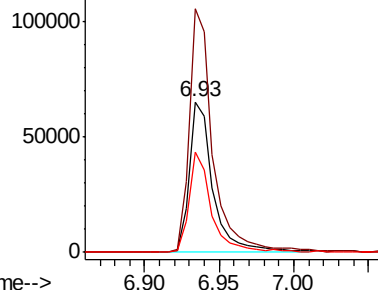
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 824
Delta R.T. 0.00 min
Lab File: BF110967.D
Acq: 26 Nov 2018 16:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 72943
Ion Ratio Lower Upper
152 100
150 162.0 122.7 184.1
115 66.4 49.1 73.7



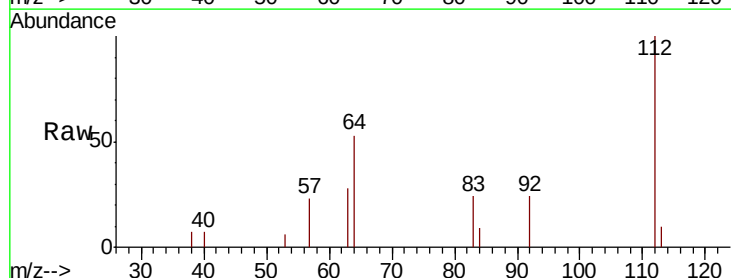
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



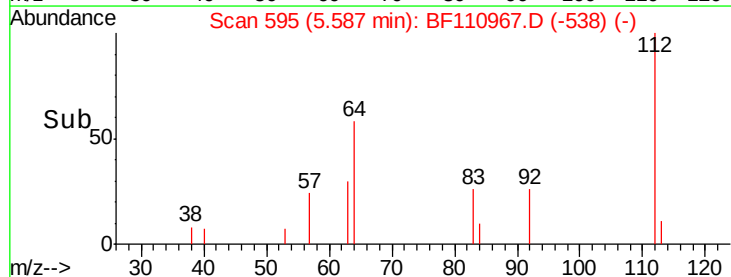
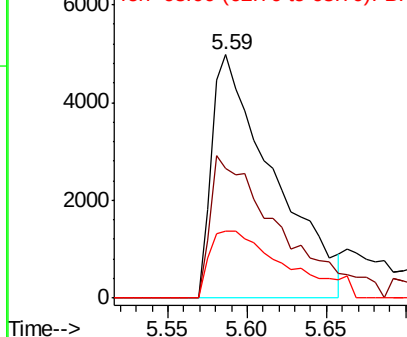
#5

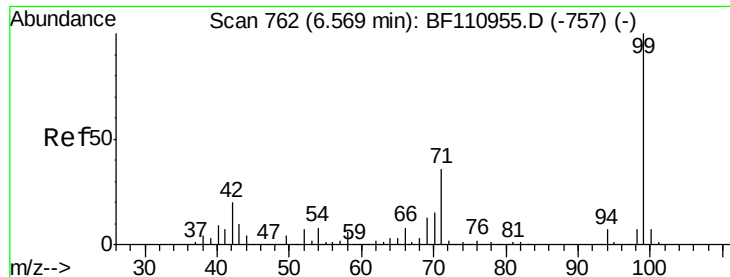
2-Fluorophenol
Concen: 3.071 ng
RT: 5.59 min Scan# 595
Delta R.T. 0.04 min
Lab File: BF110967.D
Acq: 26 Nov 2018 16:53

Tgt Ion:112 Resp: 13510
Ion Ratio Lower Upper
112 100
64 53.5 44.1 66.1
63 27.6 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: 3.833 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.03 min

Lab File: BF110967.D

Acq: 26 Nov 2018 16:53

Instrument :

BNA_F

ClientSampleId :

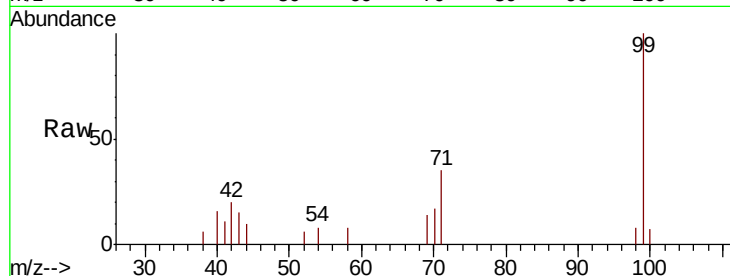
Tot Ion: 99 Resp: 21973

Ion Ratio Lower Upper

99 100

42 20.0 15.8 23.6

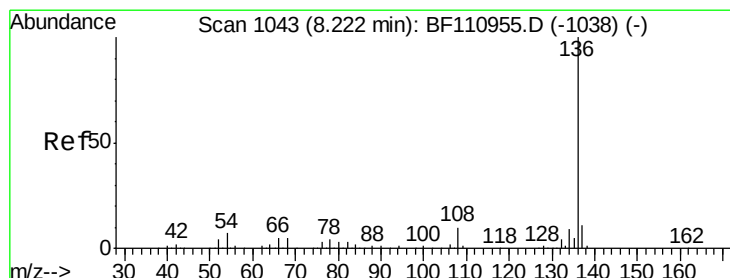
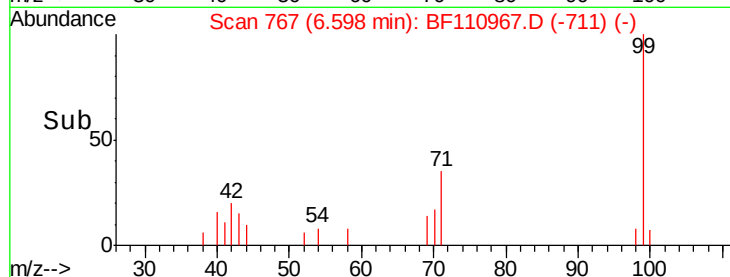
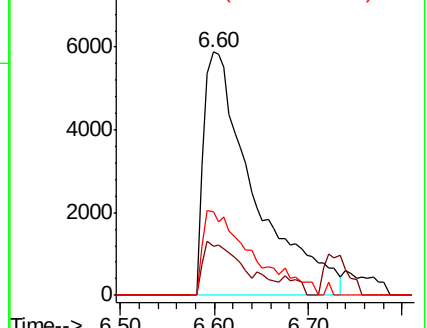
71 34.6 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BF110967.D

Acq: 26 Nov 2018 16:53

Tgt Ion: 136 Resp: 327779

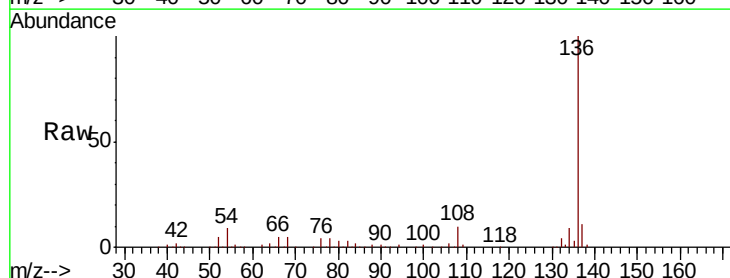
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 8.5 5.4 8.2#

68 5.1 4.2 6.2

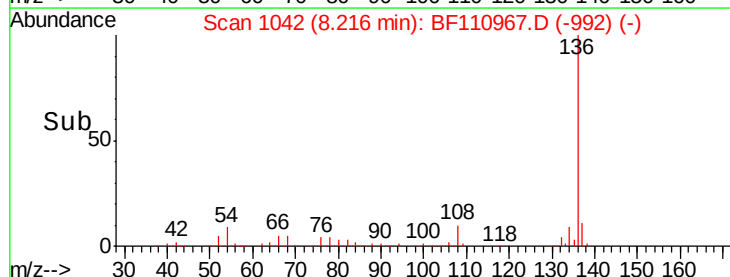
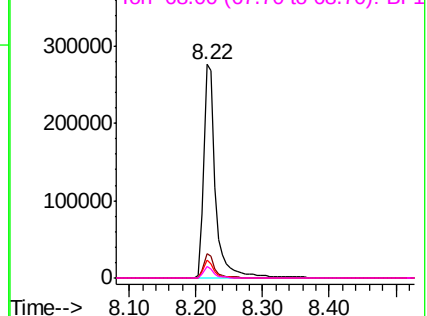


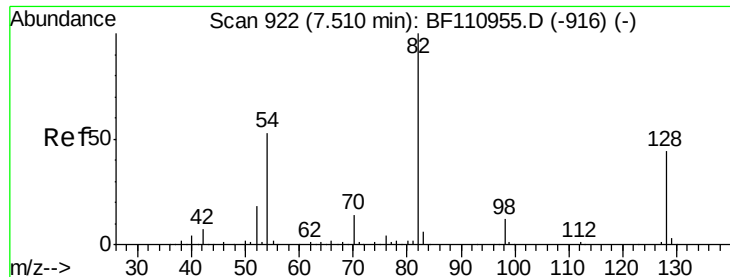
Abundance Ion 136.00 (135.70 to 136.70): E

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

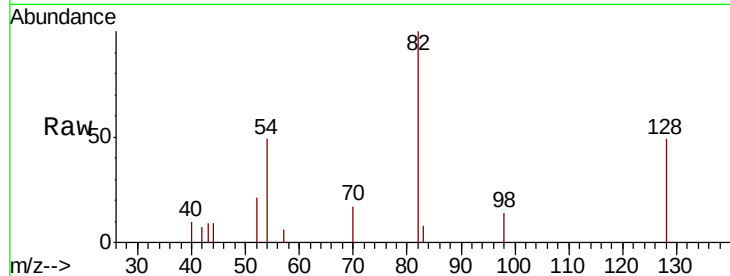




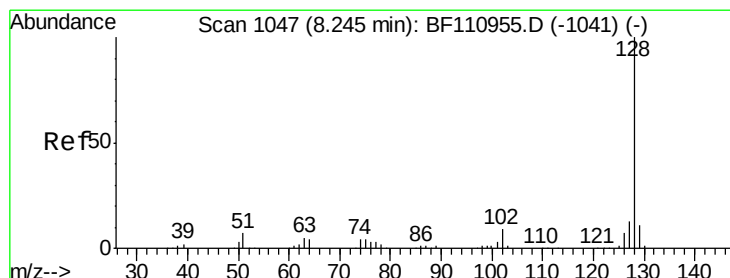
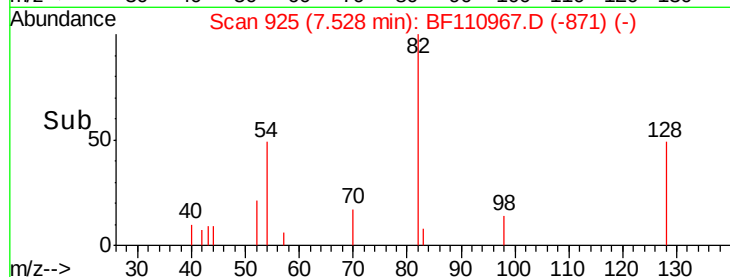
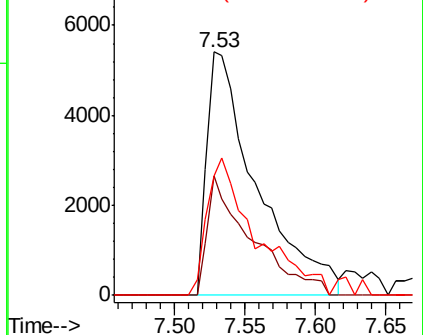
#23
Nitrobenzene-d5
Concen: 2.334 ng
RT: 7.53 min Scan# 925
Delta R.T. 0.02 min
Lab File: BF110967.D
Acq: 26 Nov 2018 16:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 13368
Ion Ratio Lower Upper
82 100
128 49.2 34.2 51.2
54 49.2 38.6 58.0

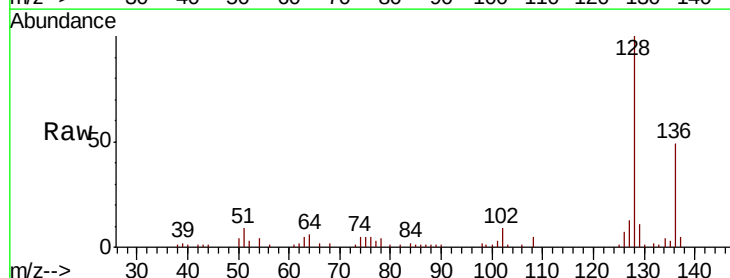


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

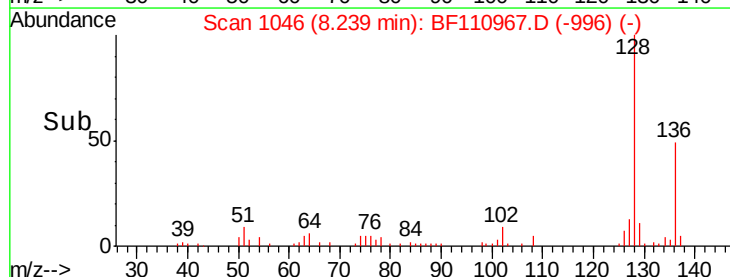
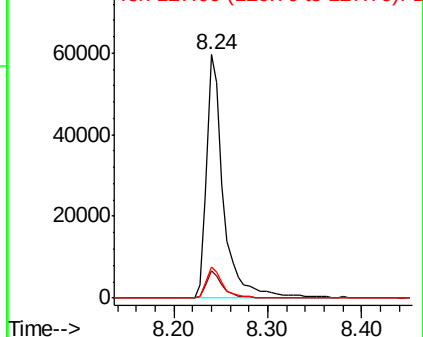


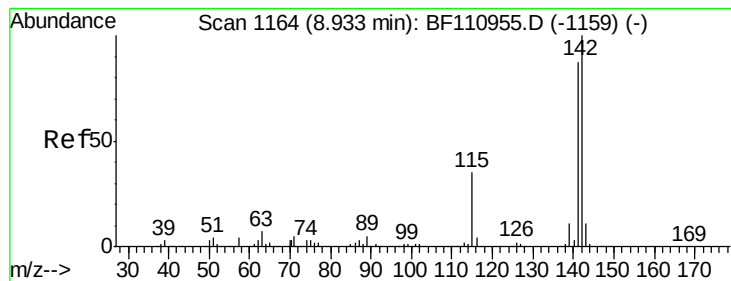
#31
Naphthalene
Concen: 4.937 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF110967.D
Acq: 26 Nov 2018 16:53

Tgt Ion: 128 Resp: 75861
Ion Ratio Lower Upper
128 100
129 11.4 8.8 13.2
127 12.6 10.8 16.2



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





#37

2-Methylnaphthalene

Concen: 2.912 ng

RT: 8.94 min Scan# 1165

Delta R.T. 0.01 min

Lab File: BF110967.D

Acq: 26 Nov 2018 16:53

Instrument :

BNA_F

ClientSampleId :

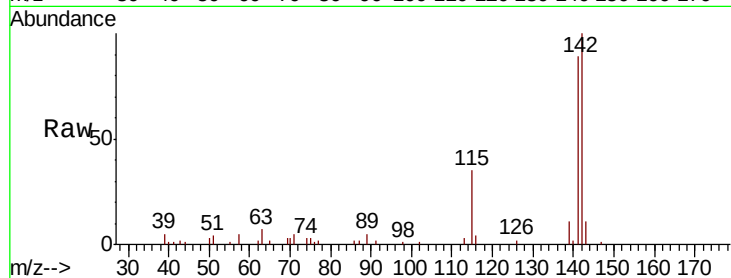
Tot Ion:142 Resp: 29556

Ion Ratio Lower Upper

142 100

141 88.6 71.4 107.2

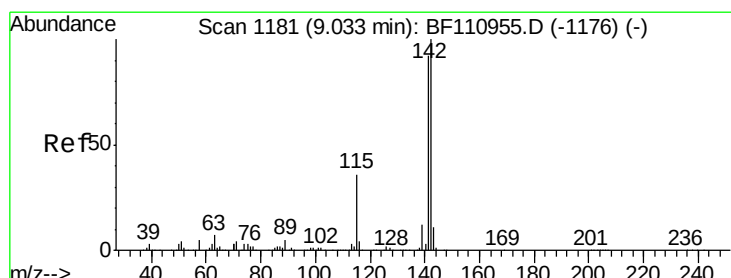
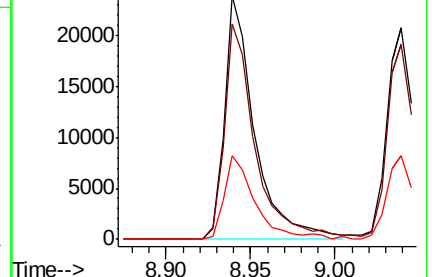
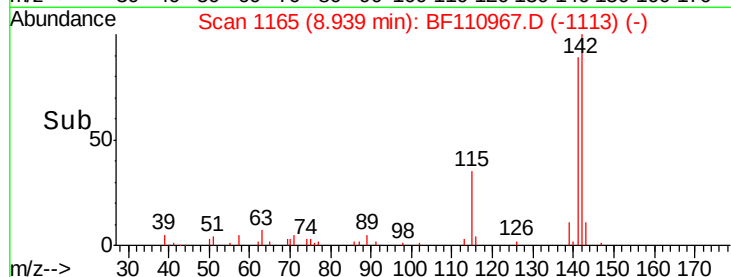
115 34.6 28.7 43.1



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

1-Methylnaphthalene

Concen: 2.736 ng

RT: 9.04 min Scan# 1182

Delta R.T. 0.01 min

Lab File: BF110967.D

Acq: 26 Nov 2018 16:53

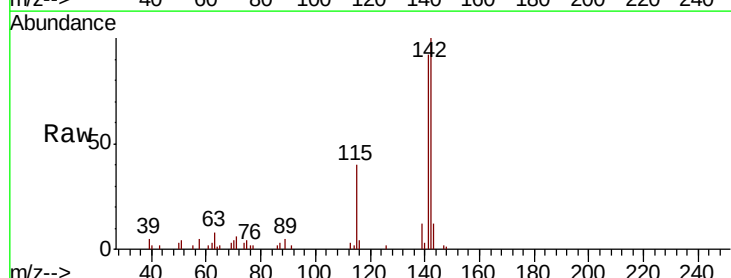
Tgt Ion:142 Resp: 27008

Ion Ratio Lower Upper

142 100

141 92.4 74.2 111.4

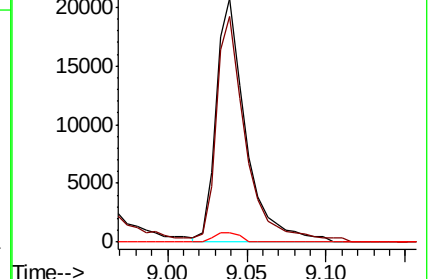
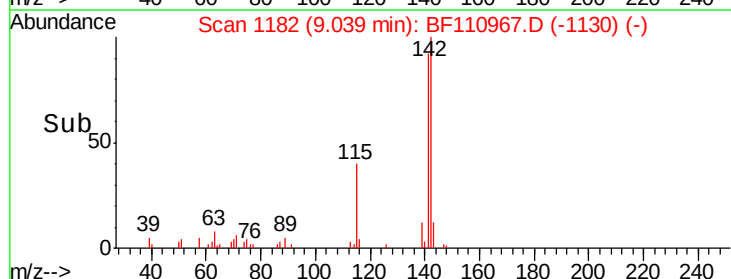
116 4.0 2.6 4.0#

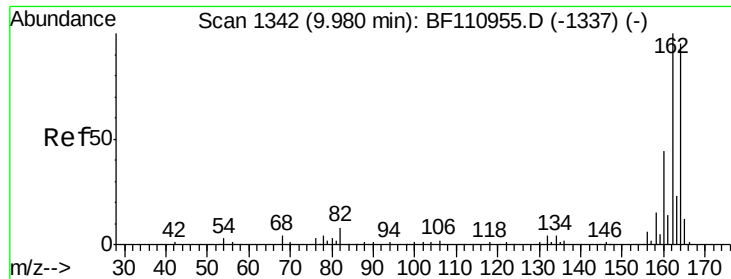


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.98 min Scan# 1342

Delta R.T. 0.00 min

Lab File: BF110967.D

Acq: 26 Nov 2018 16:53

Instrument :

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ClientSampleId :

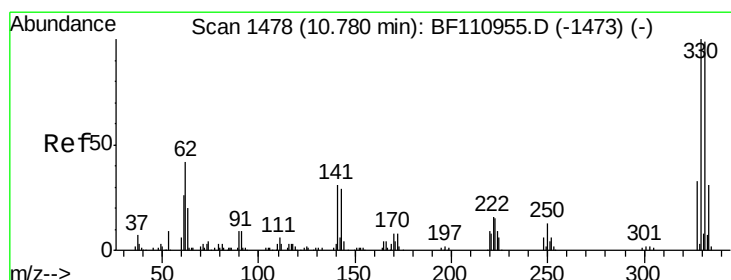
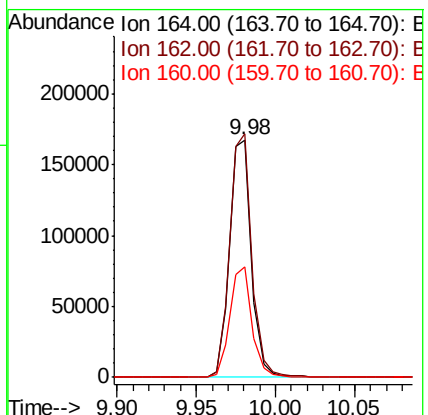
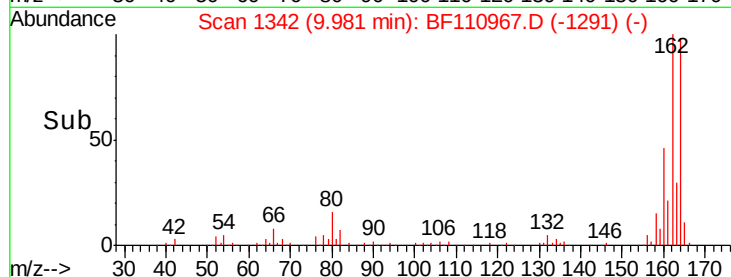
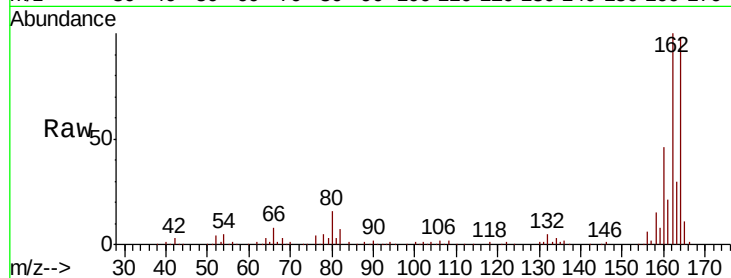
Tot Ion:164 Resp: 160006

Ion Ratio Lower Upper

164 100

162 102.5 83.0 124.6

160 46.7 37.0 55.6



#42

2,4,6-Tribromophenol

Concen: 3.397 ng

RT: 10.78 min Scan# 1478

Delta R.T. 0.00 min

Lab File: BF110967.D

Acq: 26 Nov 2018 16:53

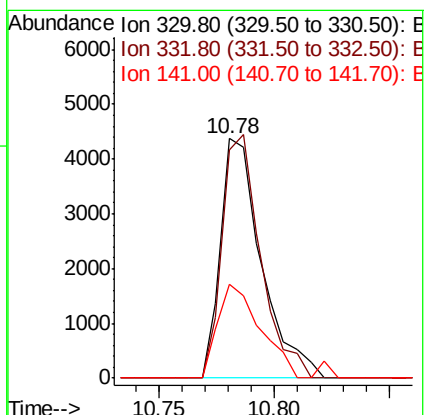
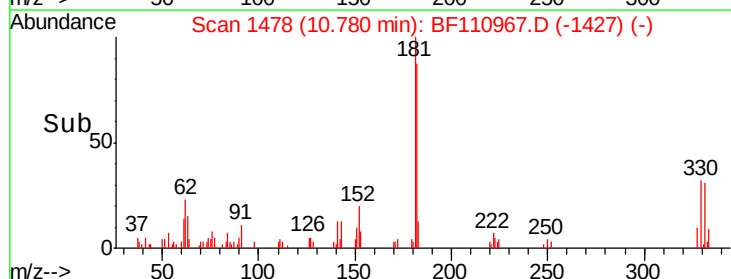
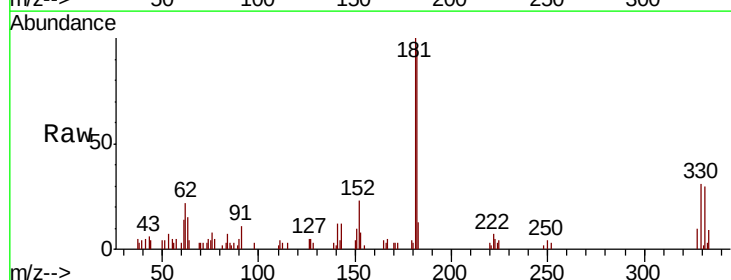
Tgt Ion:330 Resp: 5398

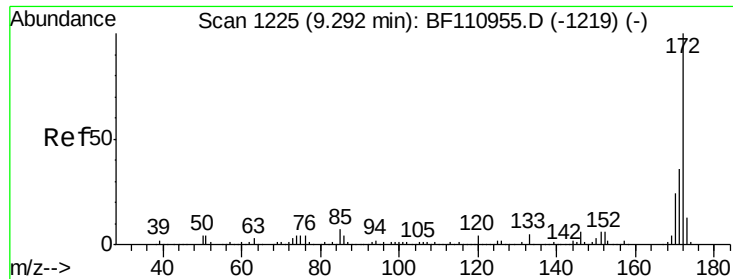
Ion Ratio Lower Upper

330 100

332 95.3 77.1 115.7

141 40.6 27.0 40.4#

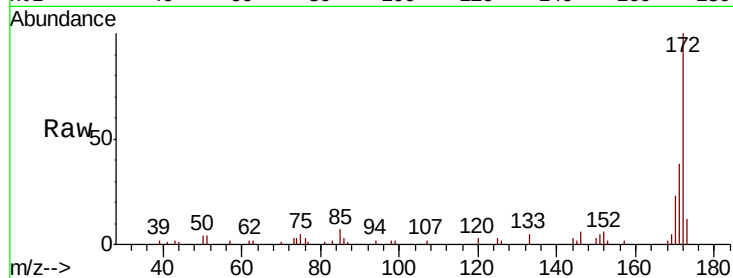




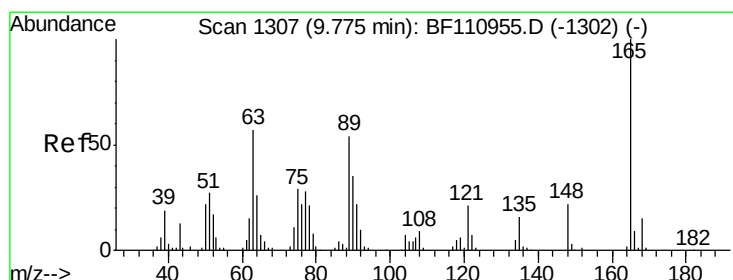
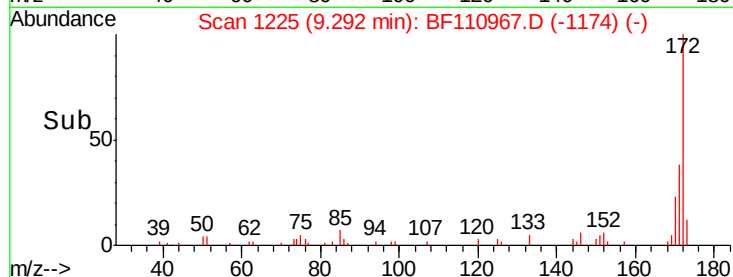
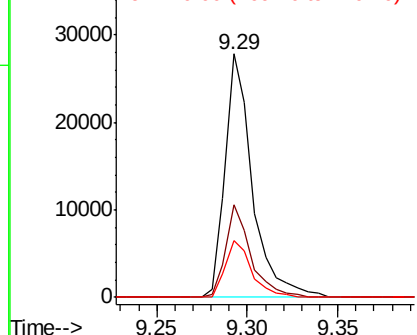
#45
2-Fluorobiphenyl
Concen: 2.647 ng
RT: 9.29 min Scan# 1225
Delta R.T. 0.00 min
Lab File: BF110967.D
Acq: 26 Nov 2018 16:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 29234
Ion Ratio Lower Upper
172 100
171 38.1 28.6 43.0
170 23.1 19.7 29.5

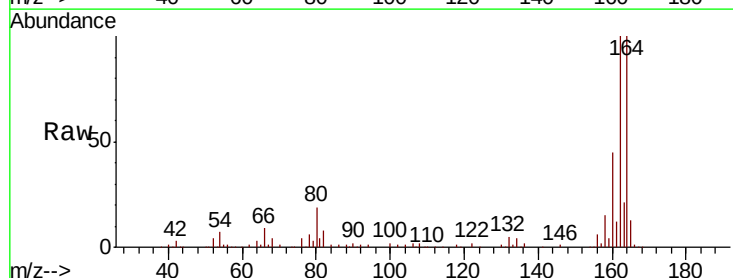


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

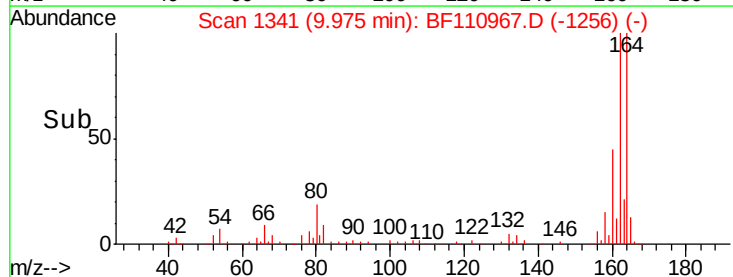
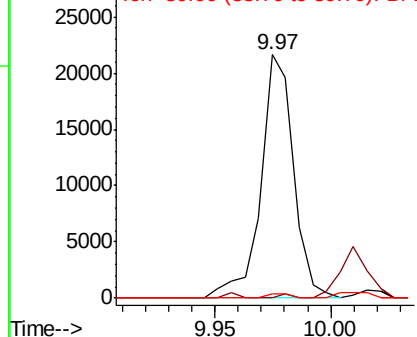


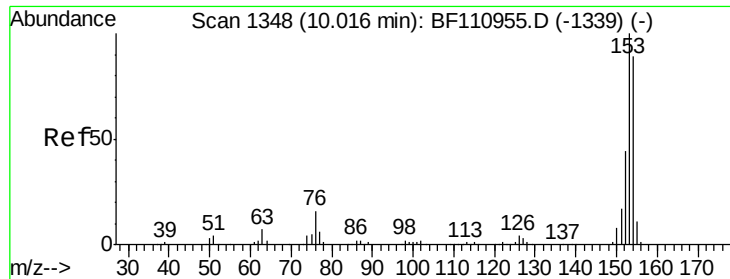
#51
2,6-Dinitrotoluene
Concen: 8.176 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.20 min
Lab File: BF110967.D
Acq: 26 Nov 2018 16:53

Tgt Ion:165 Resp: 21359
Ion Ratio Lower Upper
165 100
63 0.0 48.9 73.3#
89 1.5 46.6 69.8#



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





#52

Acenaphthene

Concen: 4.806 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.01 min

Lab File: BF110967.D

Acq: 26 Nov 2018 16:53

Instrument :

BNA_F

ClientSampleId :

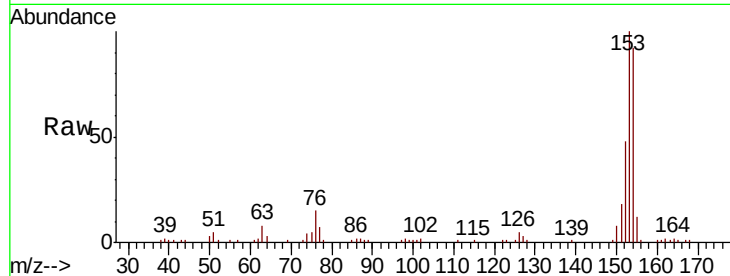
Tot Ion:154 Resp: 46862

Ion Ratio Lower Upper

154 100

153 108.7 90.1 135.1

152 52.7 43.4 65.2

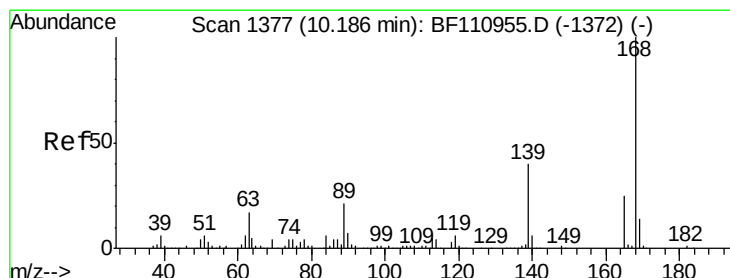
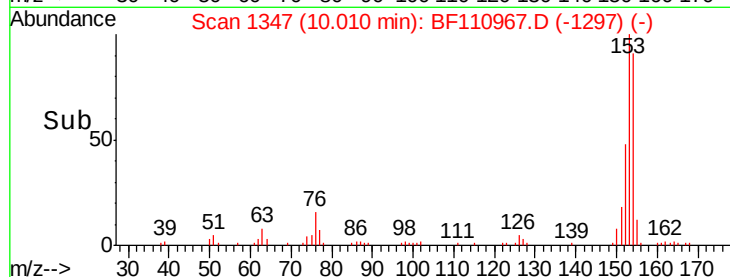
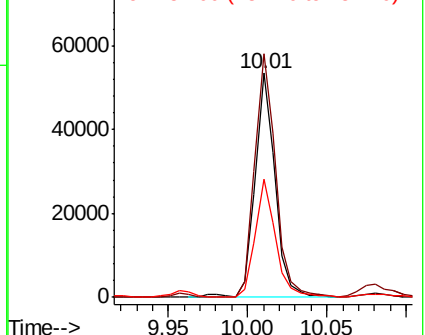


Abundance

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



#55

Dibenzofuran

Concen: 6.319 ng

RT: 10.19 min Scan# 1377

Delta R.T. 0.00 min

Lab File: BF110967.D

Acq: 26 Nov 2018 16:53

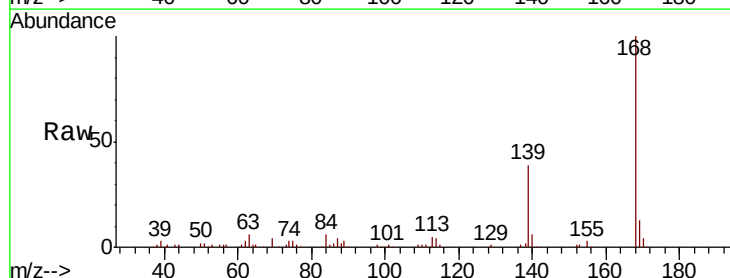
Tgt Ion:168 Resp: 89877

Ion Ratio Lower Upper

168 100

139 39.5 33.0 49.6

169 12.9 11.3 16.9

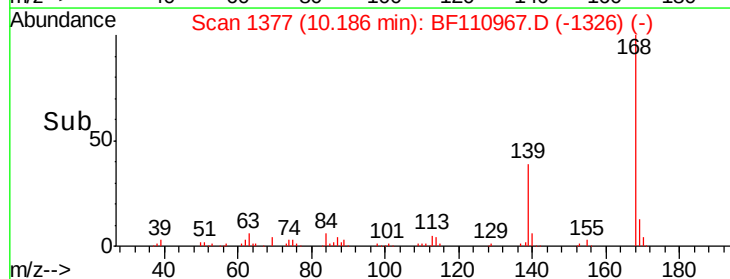
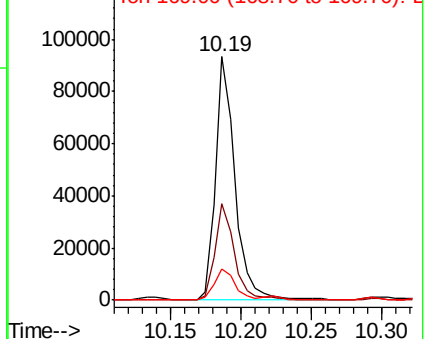


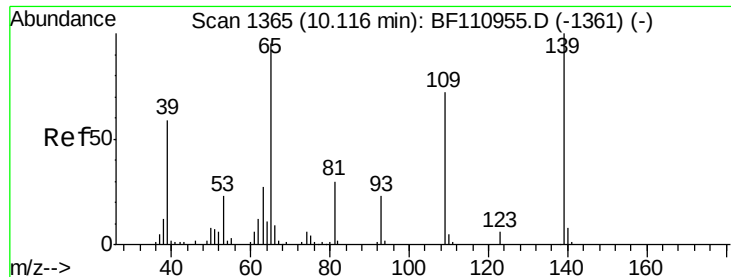
Abundance

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

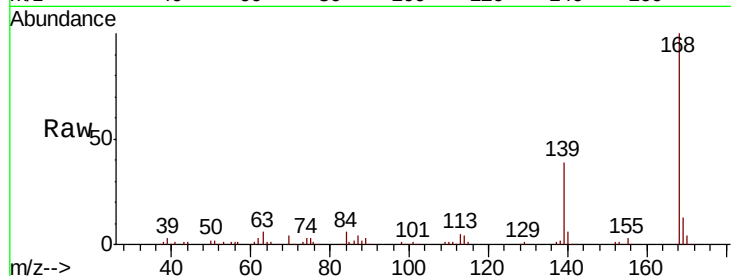




#56
4-Nitrophenol
Concen: 23.876 ng
RT: 10.19 min Scan# 1377
Delta R.T. 0.07 min
Lab File: BF110967.D
Acq: 26 Nov 2018 16:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
139	100		
109	1.3	55.8	95.8#
65	1.7	77.9	117.9#

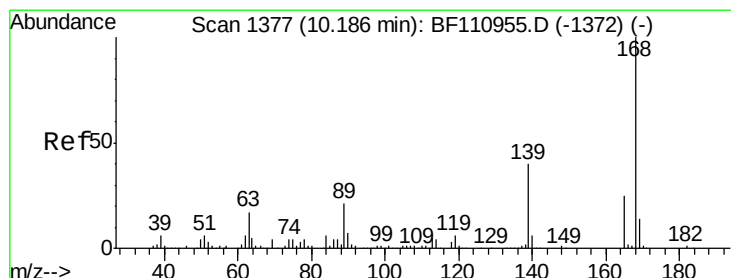
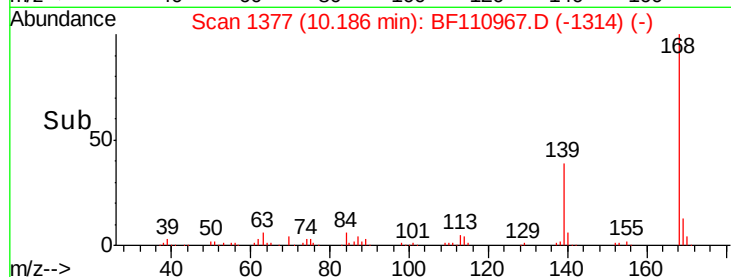
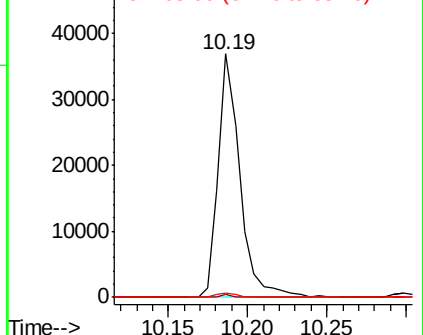


Abundance

Ion 139.00 (138.70 to 139.70): E

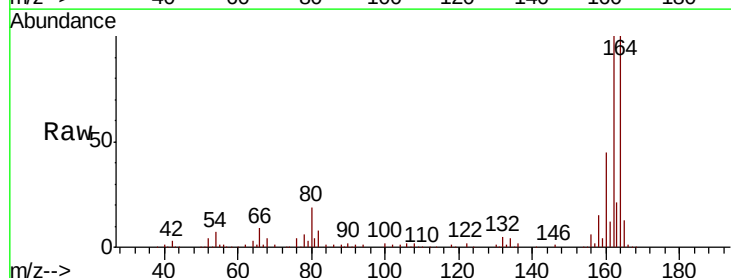
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#57
2,4-Dinitrotoluene
Concen: 6.302 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.21 min
Lab File: BF110967.D
Acq: 26 Nov 2018 16:53

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.8	67.2#
89	1.5	62.2	93.4#
182	0.0	2.1	3.1#



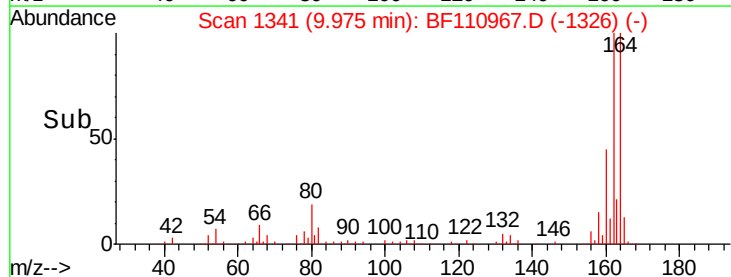
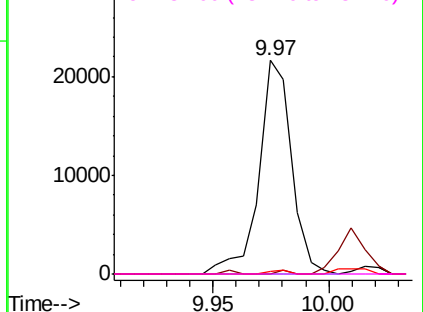
Abundance

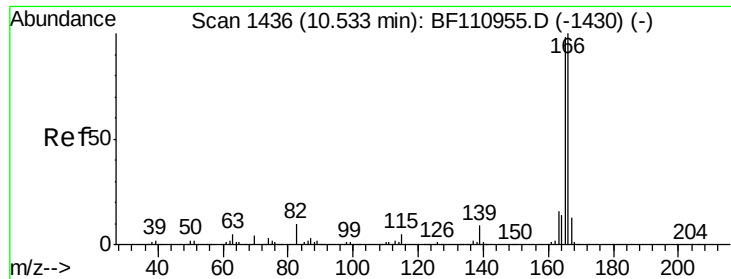
Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

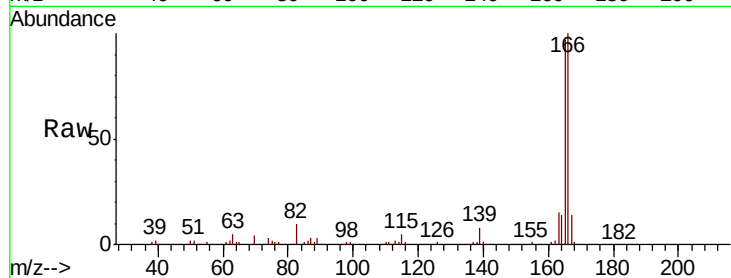




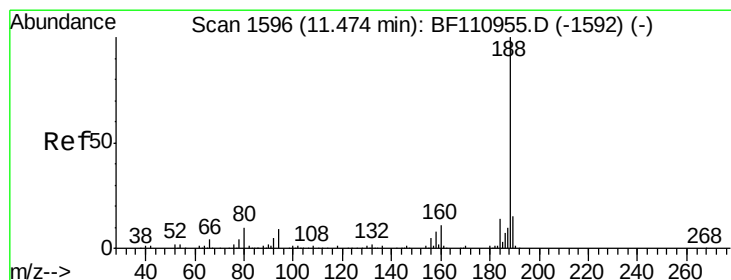
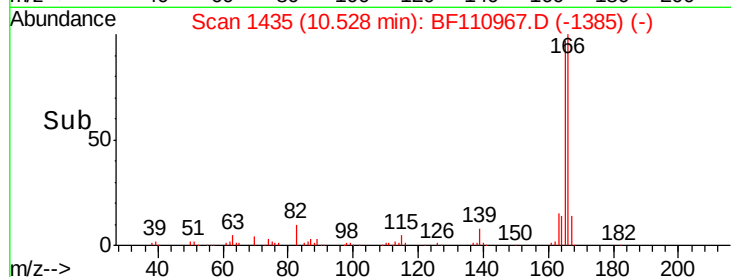
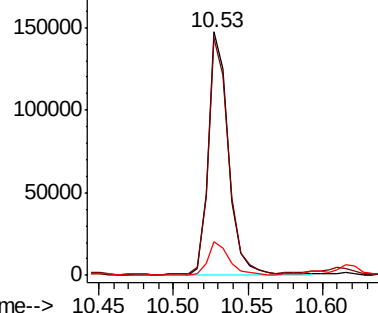
#58
 Fluorene
 Concen: 12.818 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BF110967.D
 Acq: 26 Nov 2018 16:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 141851
 Ion Ratio Lower Upper
 166 100
 165 97.4 78.6 117.8
 167 13.6 10.8 16.2

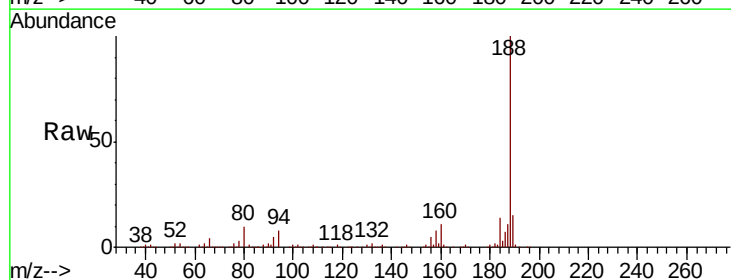


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

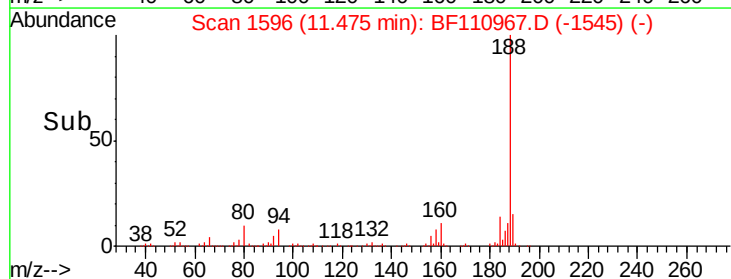
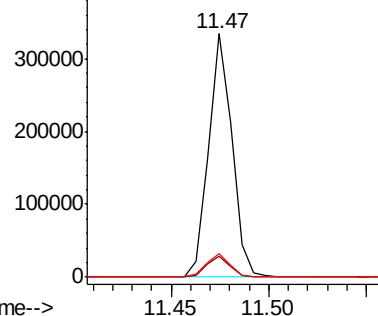


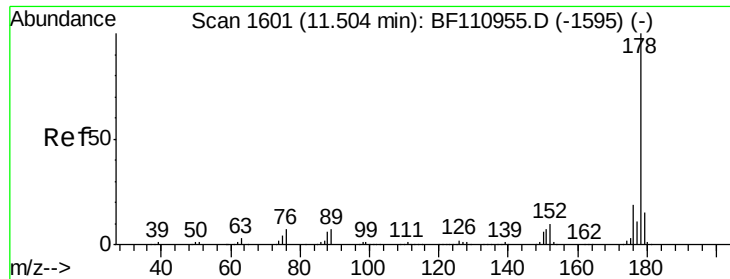
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: BF110967.D
 Acq: 26 Nov 2018 16:53

Tgt Ion:188 Resp: 277703
 Ion Ratio Lower Upper
 188 100
 94 8.3 7.2 10.8
 80 9.5 7.9 11.9



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

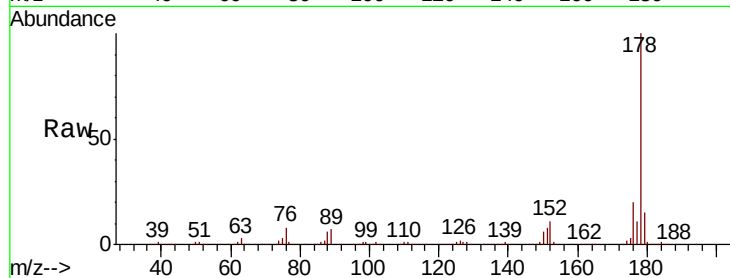




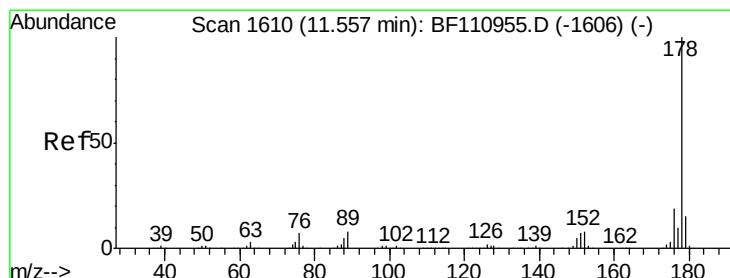
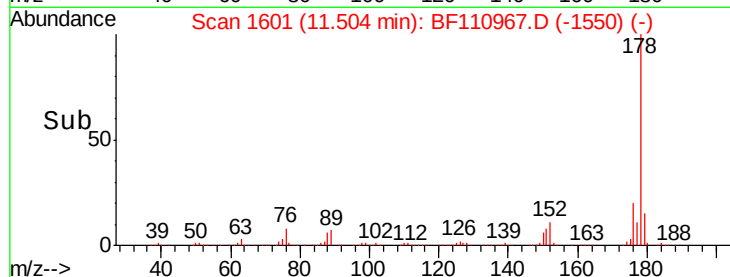
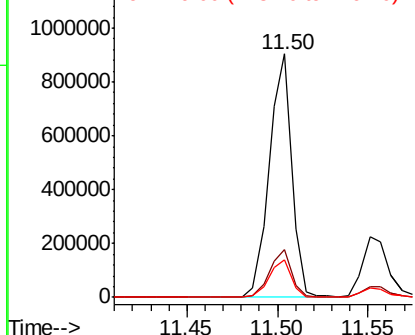
#71
Phenanthrene
Concen: 52.875 ng
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: BF110967.D
Acq: 26 Nov 2018 16:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 777675
Ion Ratio Lower Upper
178 100
176 19.7 15.5 23.3
179 15.2 12.5 18.7

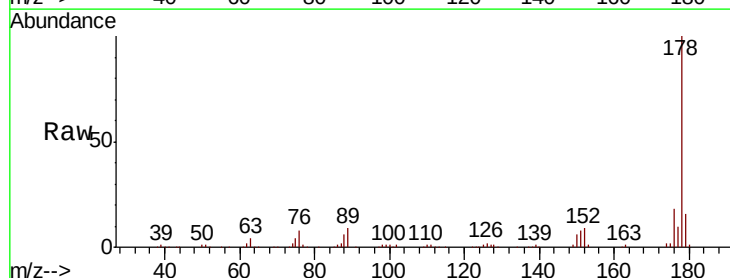


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

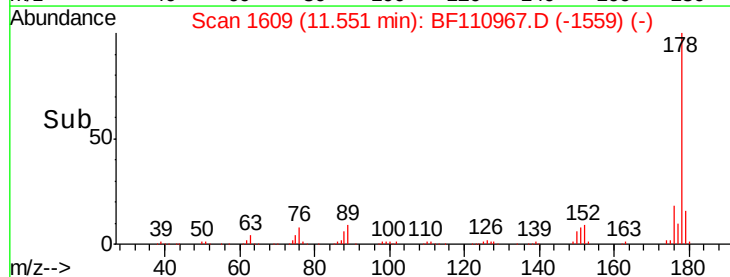
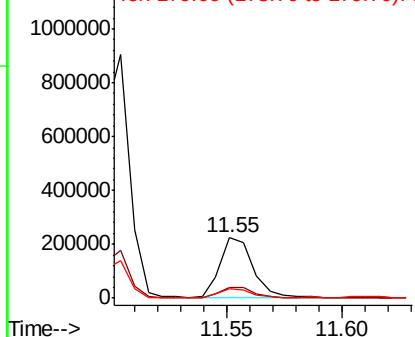


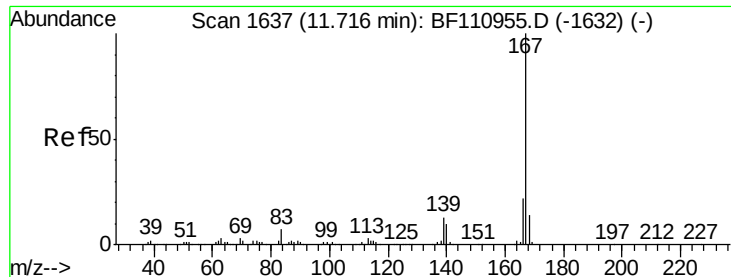
#72
Anthracene
Concen: 14.928 ng
RT: 11.55 min Scan# 1609
Delta R.T. -0.01 min
Lab File: BF110967.D
Acq: 26 Nov 2018 16:53

Tgt Ion:178 Resp: 223598
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.2
179 15.8 12.6 18.8



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

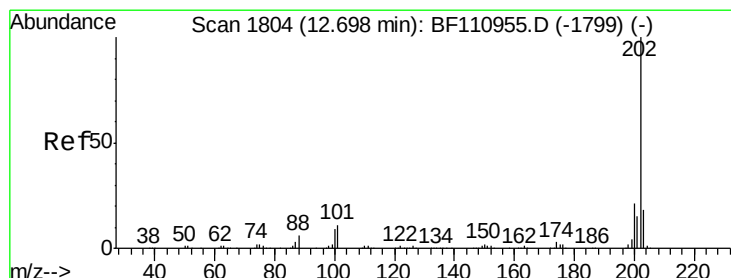
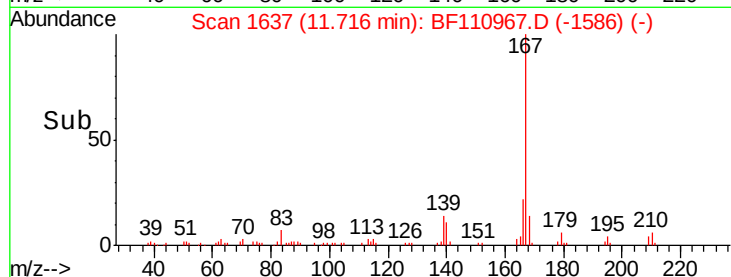
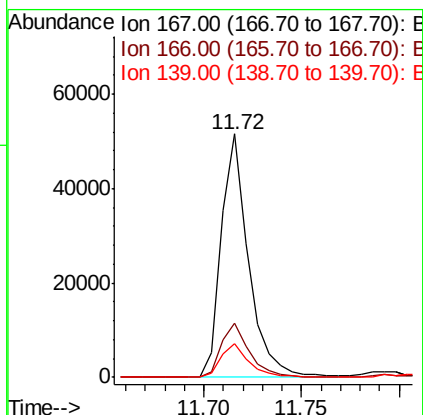
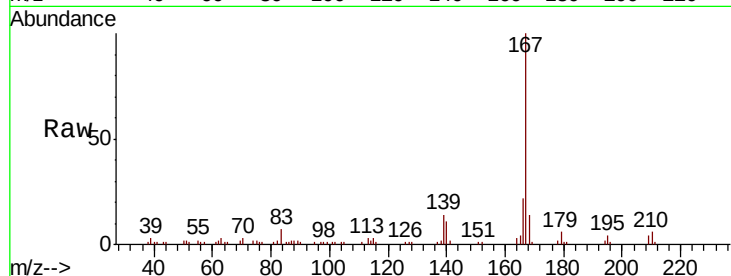




#73
 Carbazole
 Concen: 3.452 ng
 RT: 11.72 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: BF110967.D
 Acq: 26 Nov 2018 16:53

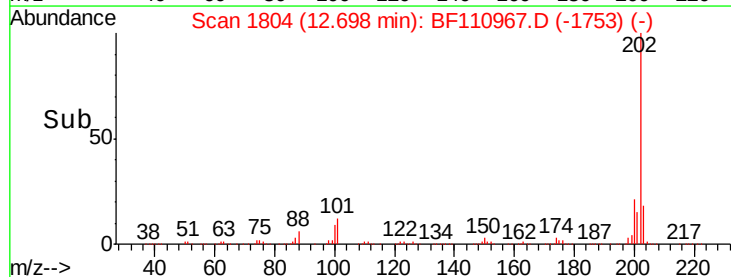
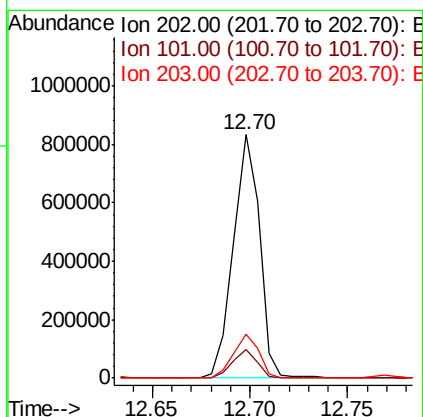
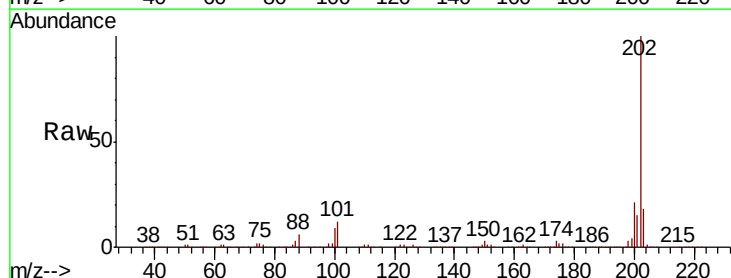
Instrument :
 BNA_F
 ClientSampleId :

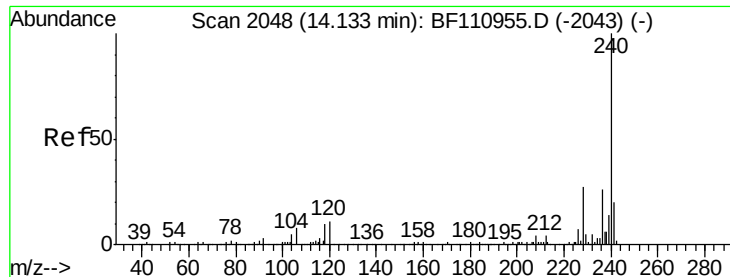
Tot Ion:167 Resp: 50181
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.4 26.0
 139 13.8 10.9 16.3



#75
 Fluoranthene
 Concen: 51.632 ng
 RT: 12.70 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: BF110967.D
 Acq: 26 Nov 2018 16:53

Tgt Ion:202 Resp: 780500
 Ion Ratio Lower Upper
 202 100
 101 11.5 0.0 31.4
 203 18.0 0.0 37.7

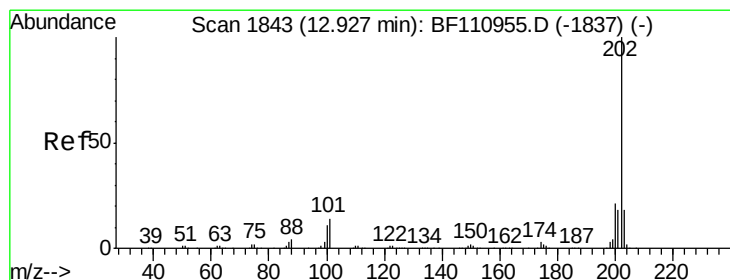
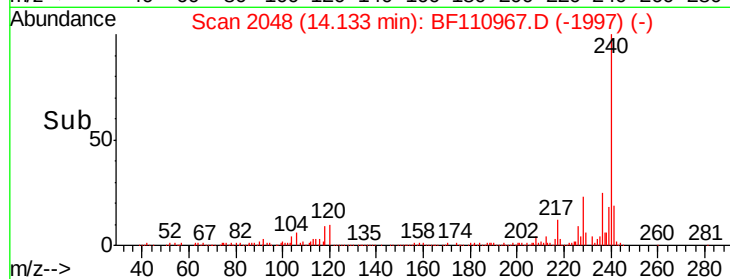
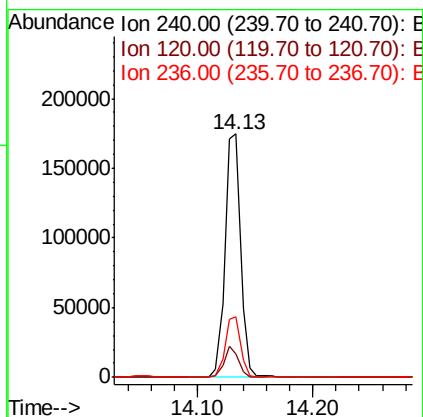
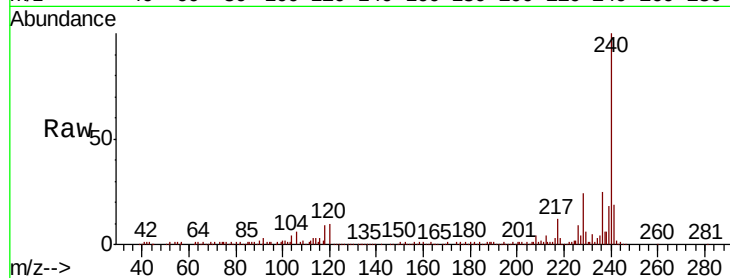




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2048
Delta R.T. 0.00 min
Lab File: BF110967.D
Acq: 26 Nov 2018 16:53

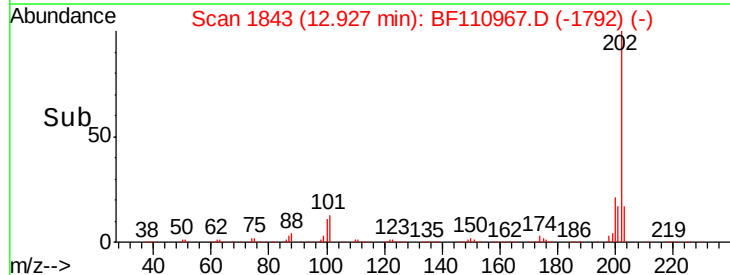
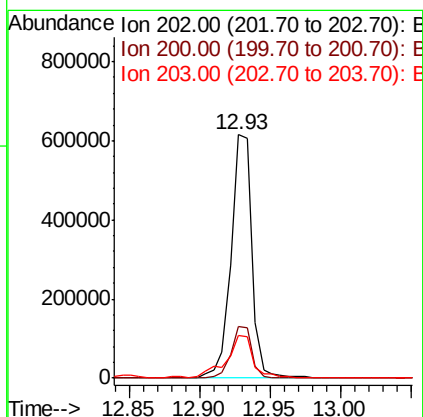
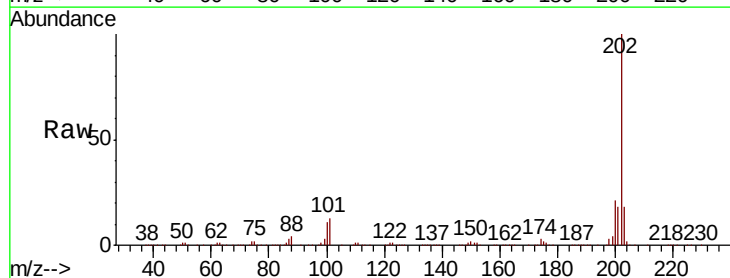
Instrument :
BNA_F
ClientSampleId :

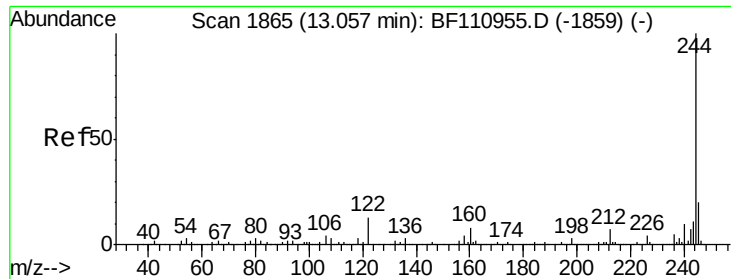
Tot Ion:240 Resp: 164847
Ion Ratio Lower Upper
240 100
120 9.6 8.3 12.5
236 25.1 21.2 31.8



#78
Pyrene
Concen: 52.393 ng
RT: 12.93 min Scan# 1843
Delta R.T. 0.00 min
Lab File: BF110967.D
Acq: 26 Nov 2018 16:53

Tgt Ion:202 Resp: 630809
Ion Ratio Lower Upper
202 100
200 21.3 17.8 26.6
203 17.6 14.2 21.4





#79

Terphenyl-d14

Concen: 2.673 ng

RT: 13.05 min Scan# 1864

Delta R.T. -0.01 min

Lab File: BF110967.D

Acq: 26 Nov 2018 16:53

Instrument :

BNA_F

ClientSampleId :

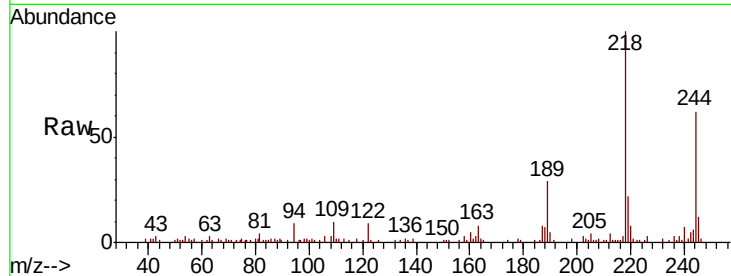
Tot Ion:244 Resp: 22639

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

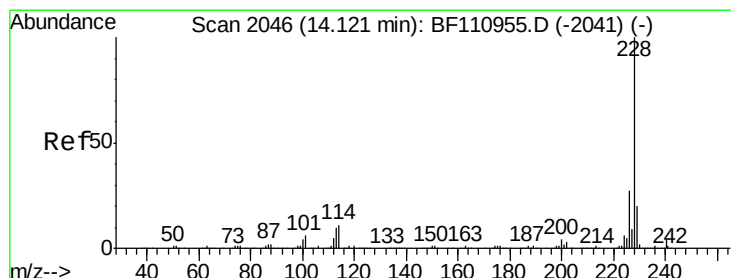
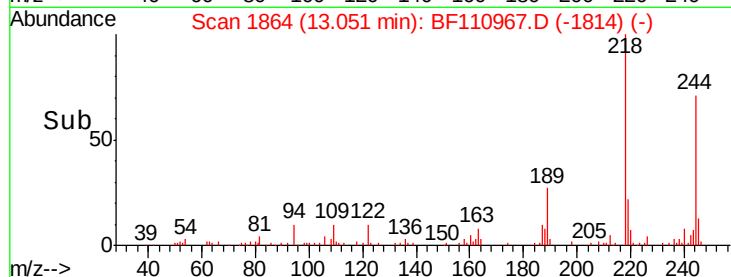
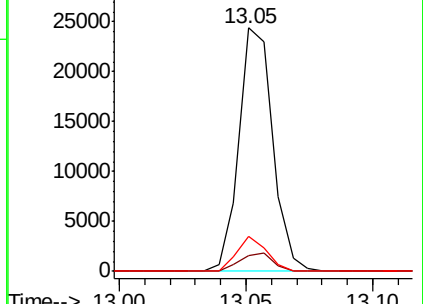
122 14.6 8.7 13.1#



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



#81

Benzo(a)anthracene

Concen: 29.466 ng

RT: 14.12 min Scan# 2046

Delta R.T. 0.00 min

Lab File: BF110967.D

Acq: 26 Nov 2018 16:53

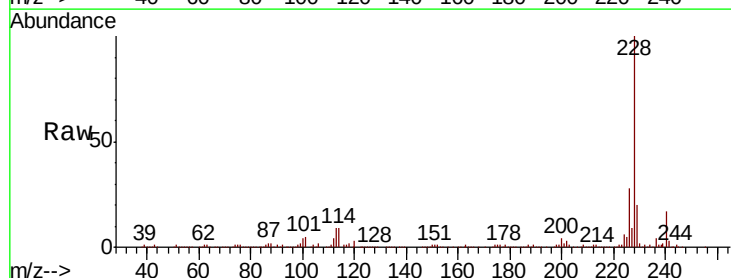
Tgt Ion:228 Resp: 286774

Ion Ratio Lower Upper

228 100

226 27.5 22.1 33.1

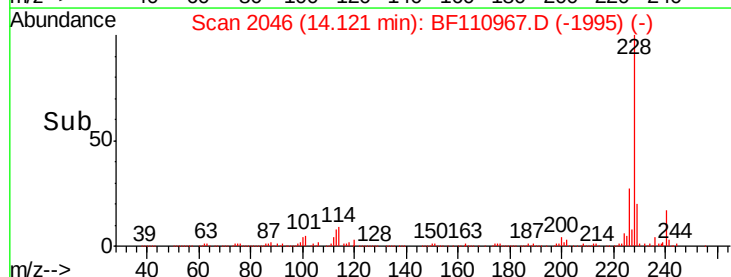
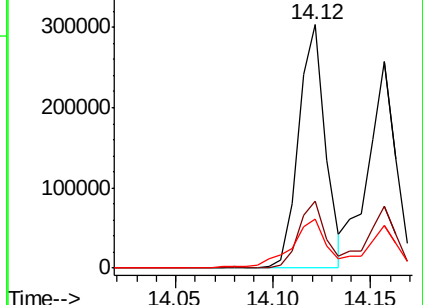
229 20.2 15.6 23.4

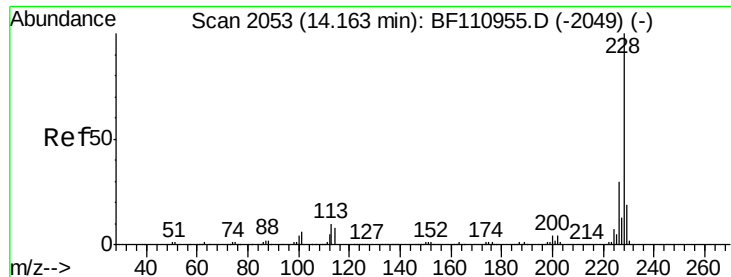


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 24.337 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF110967.D

Acq: 26 Nov 2018 16:53

Instrument :

BNA_F

ClientSampleId :

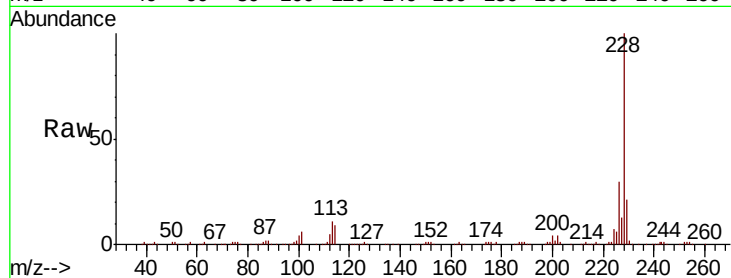
Tot Ion:228 Resp: 233167

Ion Ratio Lower Upper

228 100

226 29.8 24.7 37.1

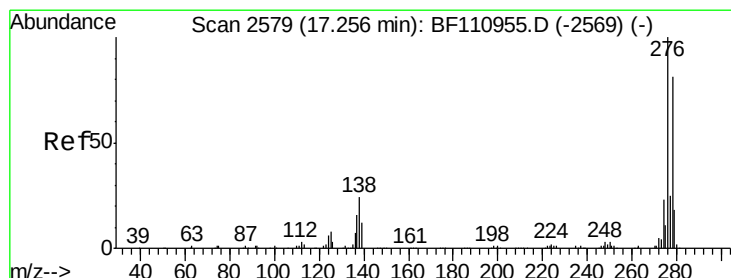
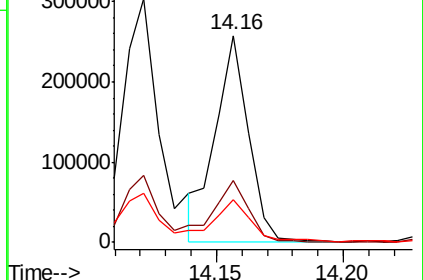
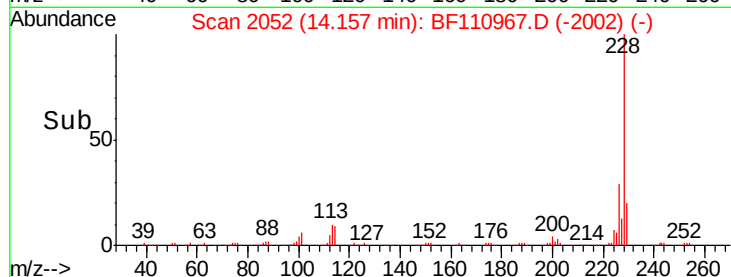
229 20.6 15.9 23.9



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 16.614 ng

RT: 17.25 min Scan# 2578

Delta R.T. -0.01 min

Lab File: BF110967.D

Acq: 26 Nov 2018 16:53

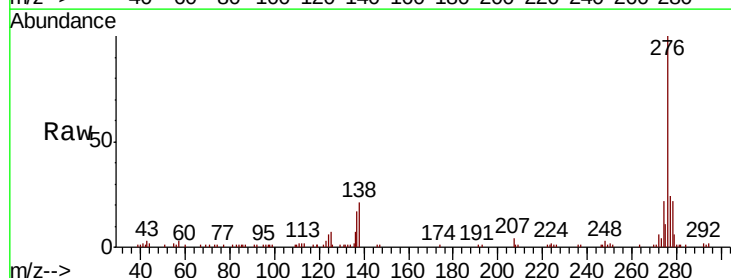
Tgt Ion:276 Resp: 114255

Ion Ratio Lower Upper

276 100

138 21.9 18.5 27.7

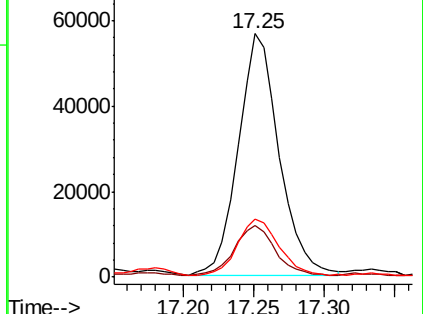
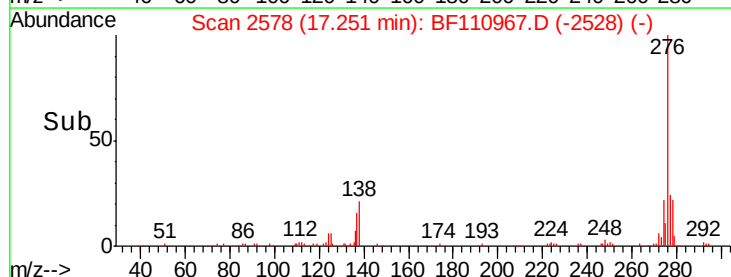
277 23.3 20.0 30.0

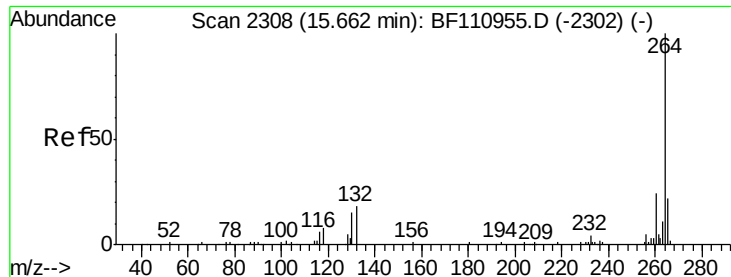


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.66 min Scan# 2308

Delta R.T. 0.00 min

Lab File: BF110967.D

Acq: 26 Nov 2018 16:53

Instrument :

BNA_F

ClientSampleId :

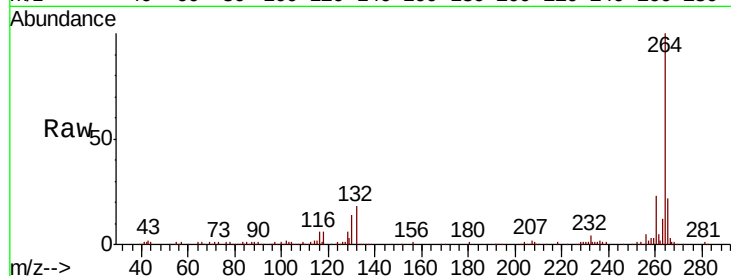
Tot Ion:264 Resp: 169402

Ion Ratio Lower Upper

264 100

260 23.0 18.7 28.1

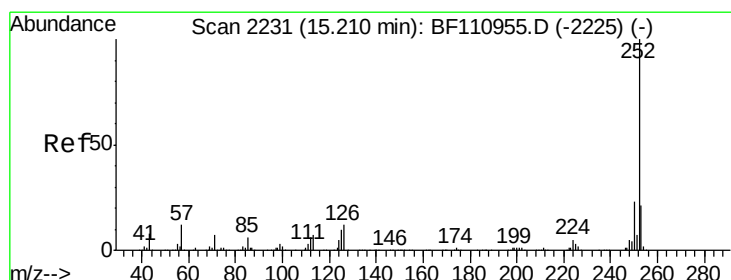
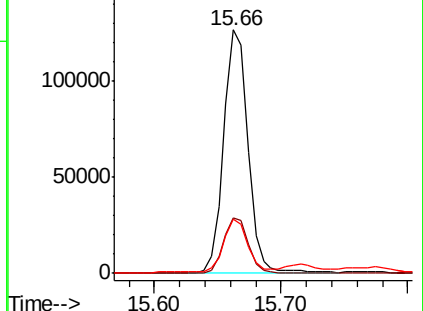
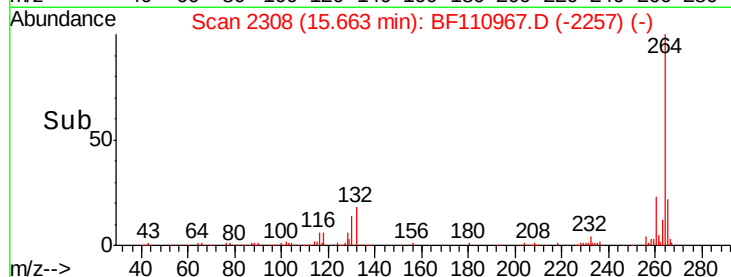
265 22.1 16.7 25.1



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



#88

Benzo(b)fluoranthene

Concen: 40.960 ng

RT: 15.21 min Scan# 2231

Delta R.T. 0.00 min

Lab File: BF110967.D

Acq: 26 Nov 2018 16:53

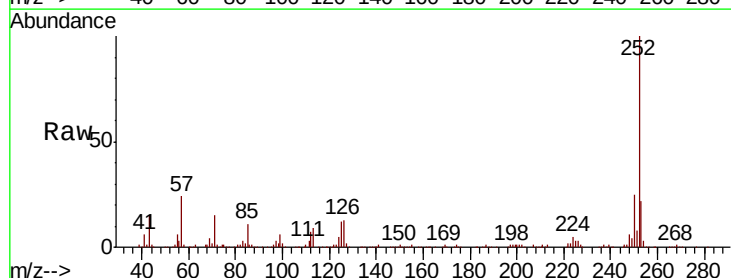
Tgt Ion:252 Resp: 407619

Ion Ratio Lower Upper

252 100

253 22.4 17.2 25.8

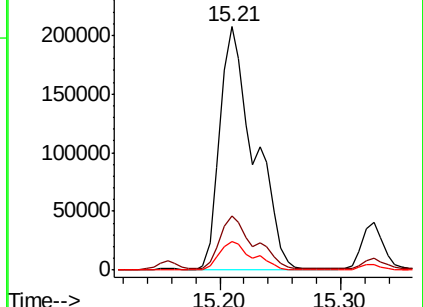
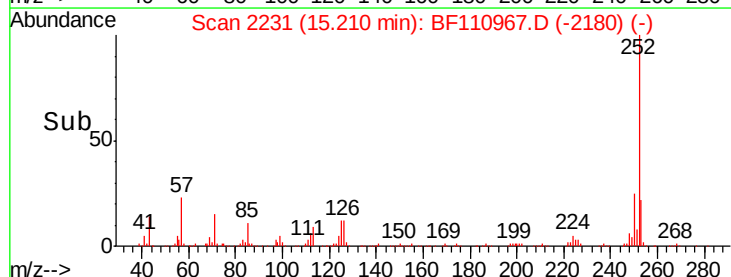
125 11.8 8.2 12.4

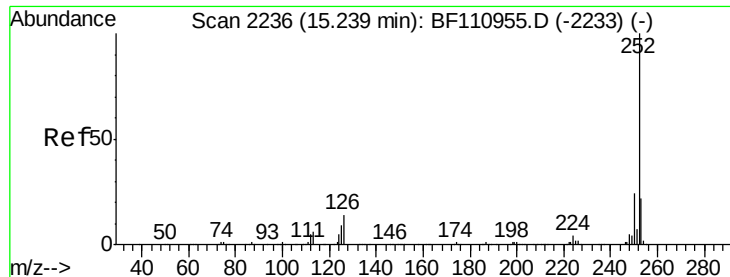


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

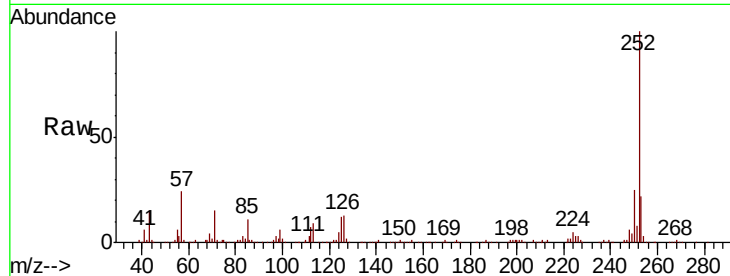




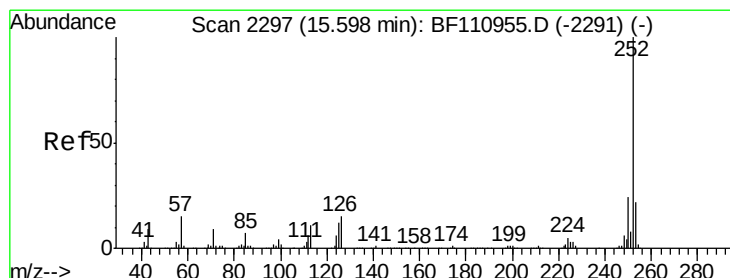
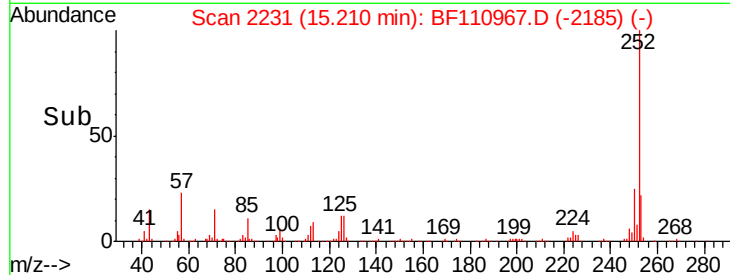
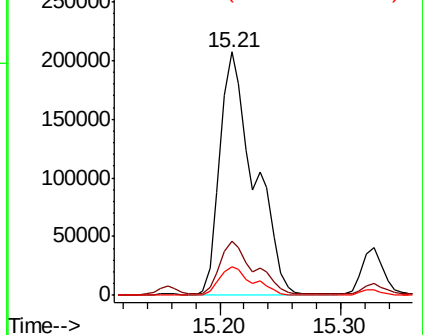
#89
Benzo(k)fluoranthene
Concen: 39.794 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.03 min
Lab File: BF110967.D
Acq: 26 Nov 2018 16:53

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 407619
Ion Ratio Lower Upper
252 100
253 22.4 17.2 25.8
125 11.8 7.4 11.0#

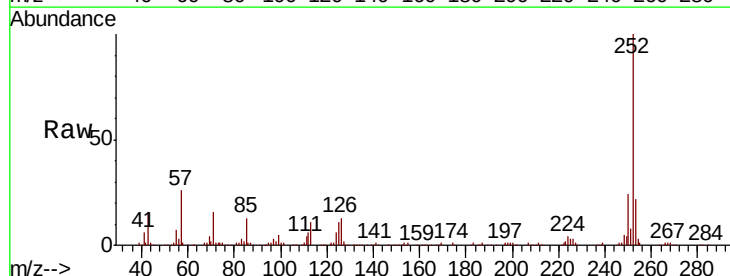


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

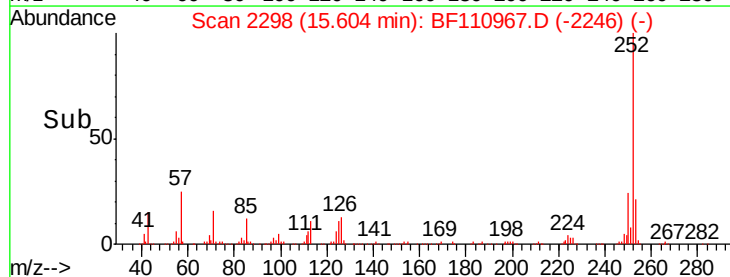
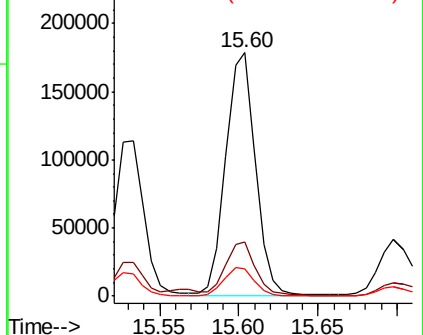


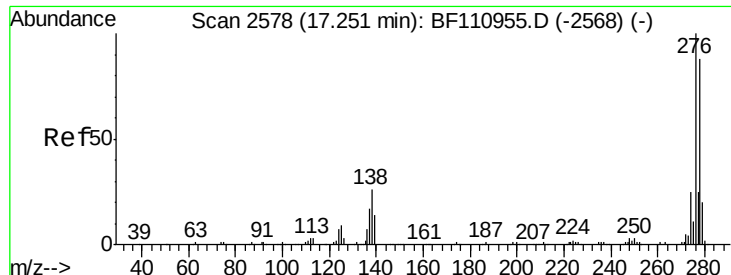
#90
Benzo(a)pyrene
Concen: 25.027 ng
RT: 15.60 min Scan# 2298
Delta R.T. 0.01 min
Lab File: BF110967.D
Acq: 26 Nov 2018 16:53

Tgt Ion:252 Resp: 231832
Ion Ratio Lower Upper
252 100
253 22.2 18.2 27.4
125 11.1 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

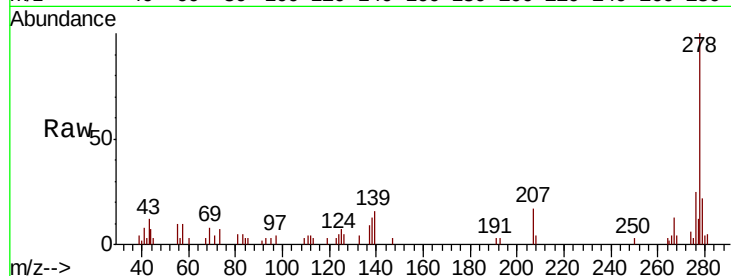




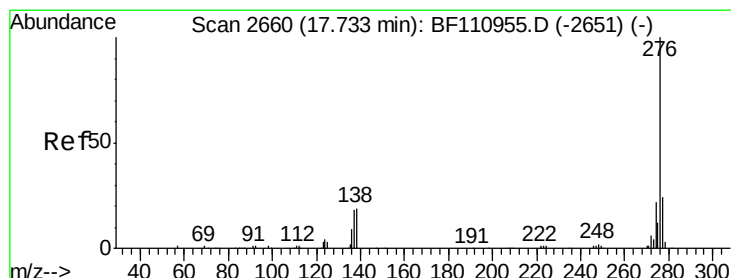
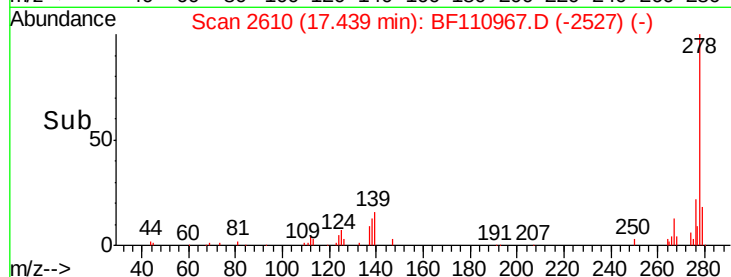
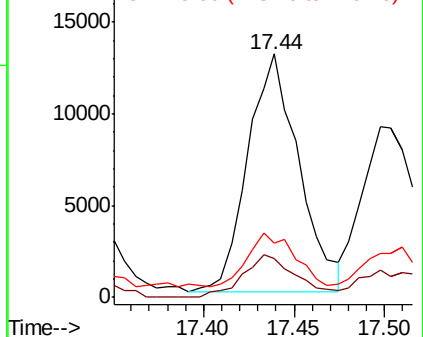
#91
Dibenzo(a,h)anthracene
Concen: 3.323 ng
RT: 17.44 min Scan# 2610
Delta R.T. 0.19 min
Lab File: BF110967.D
Acq: 26 Nov 2018 16:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:278 Resp: 25397
Ion Ratio Lower Upper
278 100
139 15.9 12.7 19.1
279 22.4 19.0 28.4

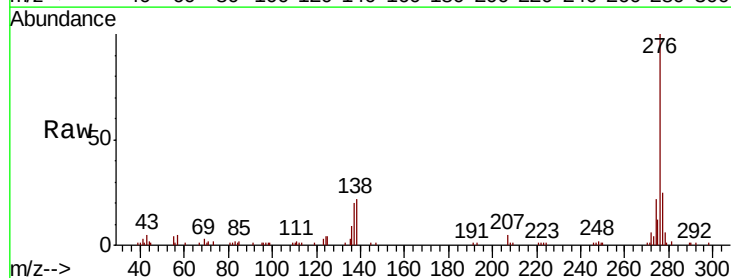


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 13.577 ng
RT: 17.73 min Scan# 2660
Delta R.T. 0.00 min
Lab File: BF110967.D
Acq: 26 Nov 2018 16:53

Tgt Ion:276 Resp: 100056
Ion Ratio Lower Upper
276 100
277 25.3 18.8 28.2
138 21.8 16.0 24.0



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

