

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091418\
 Data File : BF108999.D
 Acq On : 14 Sep 2018 17:16
 Operator : JU/SJ
 Sample : J4898-01DL 50X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 14 18:08:35 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 14 13:26:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	149513	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	593777	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	282649	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	526043	20.00	ng	0.00
75) Chrysene-d12	13.85	240	357175	20.00	ng	0.00
86) Perylene-d12	15.25	264	397983	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	13688	1.52	ng	0.00
7) Phenol-d6	6.34	99	19043	1.64	ng	-0.02
23) Nitrobenzene-d5	7.27	82	10721	1.01	ng	-0.02
41) 2,4,6-Tribromophenol	10.53	330	3880	1.26	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	22281	1.24	ng	-0.01
78) Terphenyl-d14	12.81	244	21255	1.41	ng	0.00

Target Compounds

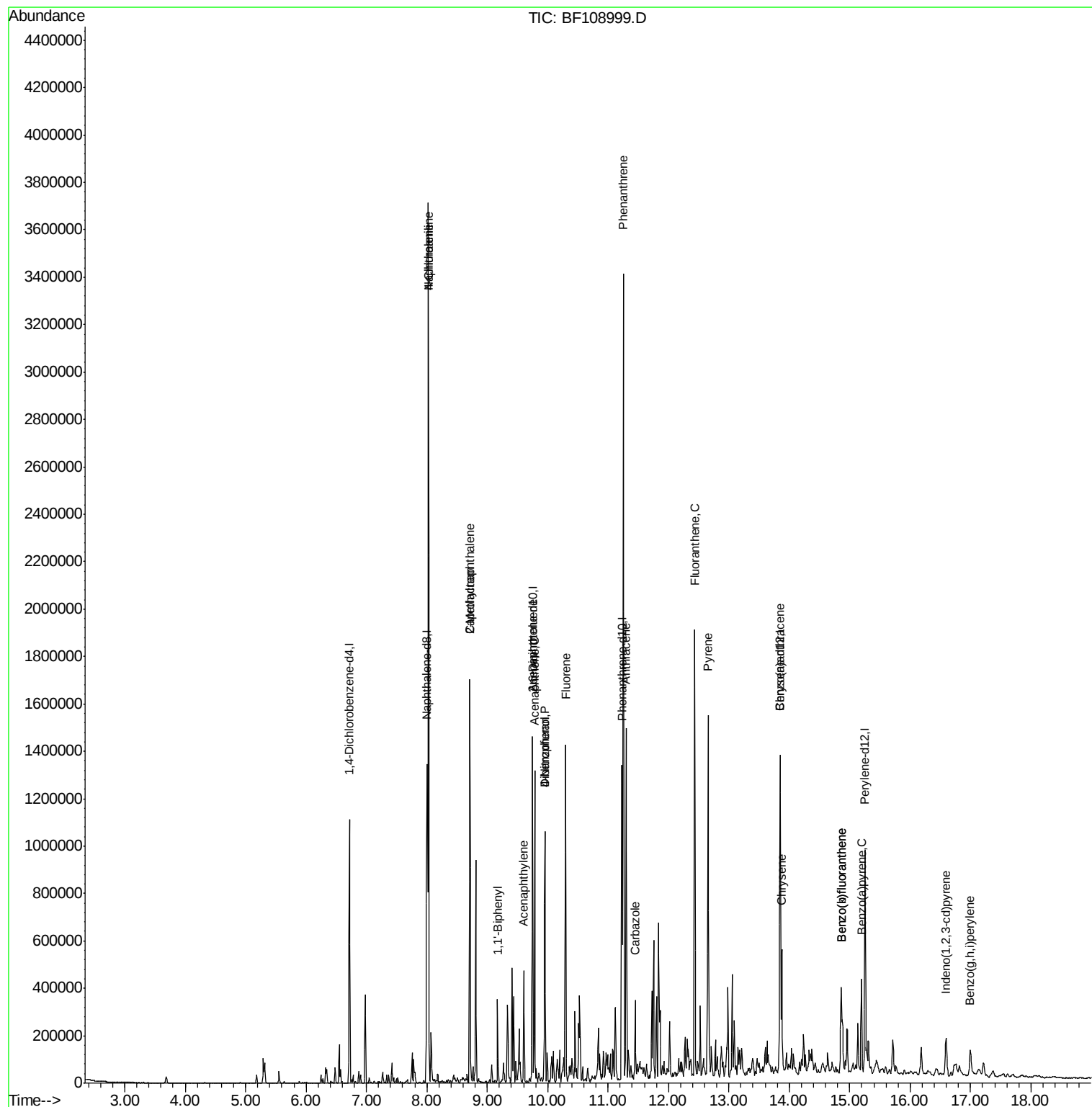
						Qvalue
31) Naphthalene	8.02	128	1565654	56.810	ng	99
33) 4-Chloroaniline	8.02	127	209712	17.114	ng	# 32
35) Caprolactam	8.71	113	8469	3.049	ng	# 1
37) 2-Methylnaphthalene	8.71	142	395401	22.010	ng	99
45) 1,1'-Biphenyl	9.18	154	103851	4.593	ng	96
48) Acenaphthylene	9.61	152	131186	4.805	ng	98
50) 2,6-Dinitrotoluene	9.75	165	45898	10.245	ng	# 26
51) Acenaphthene	9.78	154	248864	14.637	ng	100
54) Dibenzofuran	9.95	168	341768	13.910	ng	98
55) 4-Nitrophenol	9.95	139	125494	32.287	ng	# 10
57) Fluorene	10.30	166	343241	20.963	ng	99
70) Phenanthrene	11.25	178	1220115	47.316	ng	99
71) Anthracene	11.30	178	521230	19.940	ng	99
72) Carbazole	11.45	167	132076	5.104	ng	98
74) Fluoranthene	12.44	202	733069	26.928	ng	96
77) Pyrene	12.66	202	578274	21.797	ng	99
80) Benzo(a)anthracene	13.84	228	244013	11.284	ng	# 90
82) Chrysene	13.88	228	200494	9.267	ng	96
85) Indeno(1,2,3-cd)pyrene	16.59	276	95218	5.505	ng	# 91
87) Benzo(b)fluoranthene	14.86	252	269024	12.219	ng	97
88) Benzo(k)fluoranthene	14.86	252	269024	13.082	ng	97
89) Benzo(a)pyrene	15.19	252	170924	8.742	ng	98
91) Benzo(g,h,i)perylene	16.99	276	81109	4.939	ng	92

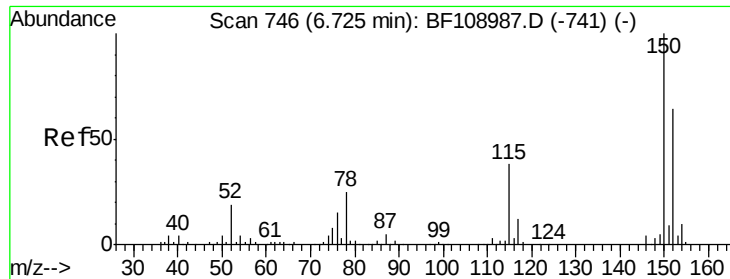
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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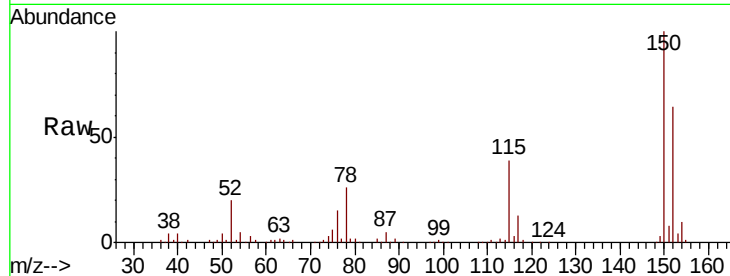


#1

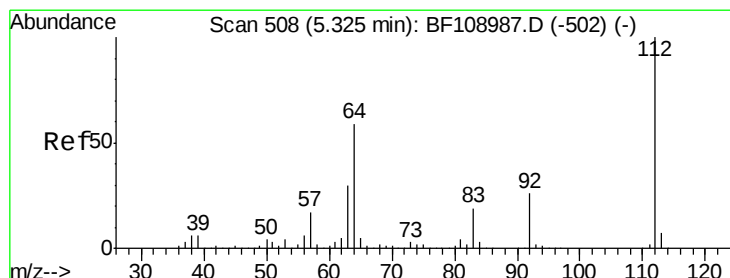
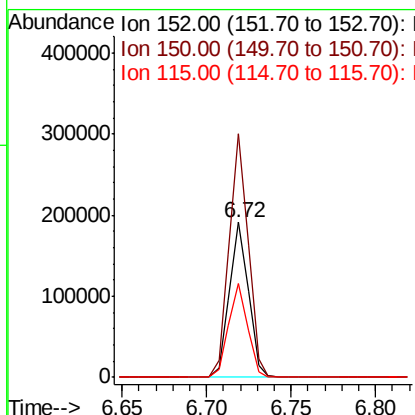
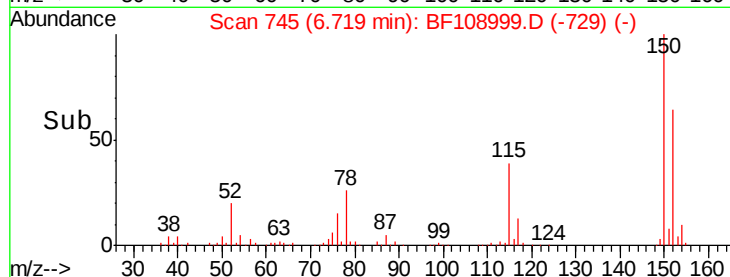
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF108999.D
Acq: 14 Sep 2018 17:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 149513
Ion Ratio Lower Upper
152 100
150 157.1 124.6 186.8
115 60.8 50.1 75.1



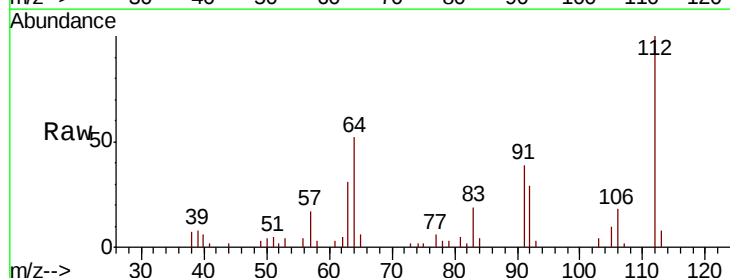
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



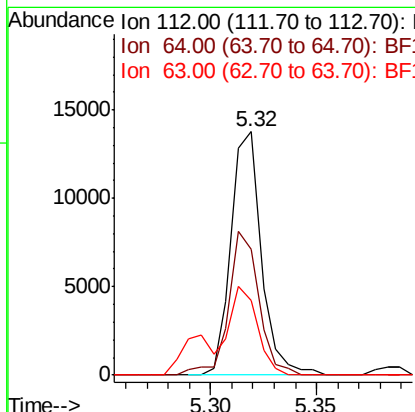
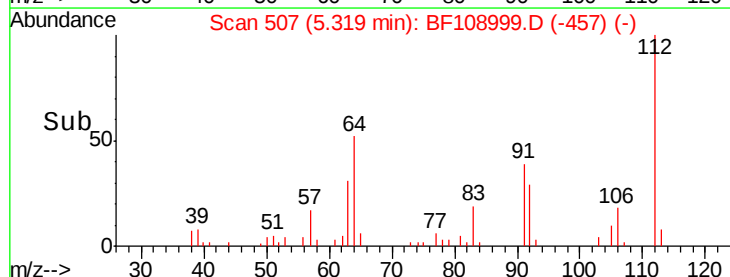
#5

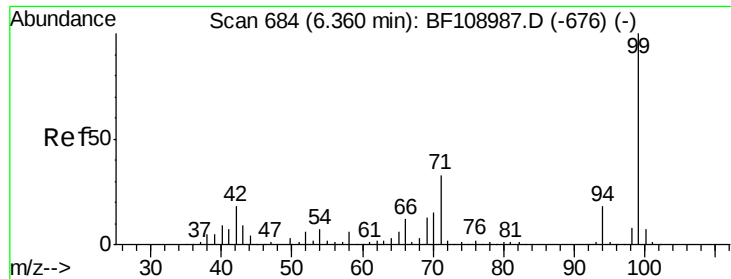
2-Fluorophenol
Concen: 1.521 ng
RT: 5.32 min Scan# 507
Delta R.T. -0.00 min
Lab File: BF108999.D
Acq: 14 Sep 2018 17:16

Tgt Ion:112 Resp: 13688
Ion Ratio Lower Upper
112 100
64 51.8 47.9 71.9
63 30.7 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: 1.641 ng

RT: 6.34 min Scan# 681

Delta R.T. -0.02 min

Lab File: BF108999.D

Acq: 14 Sep 2018 17:16

Instrument :

BNA_F

ClientSampleId :

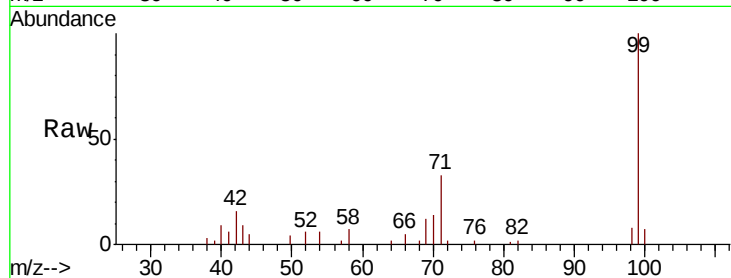
Tot Ion: 99 Resp: 19043

Ion Ratio Lower Upper

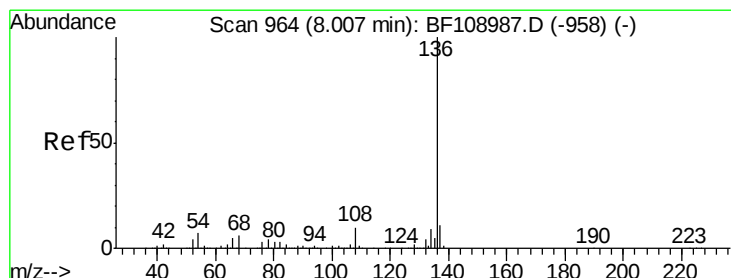
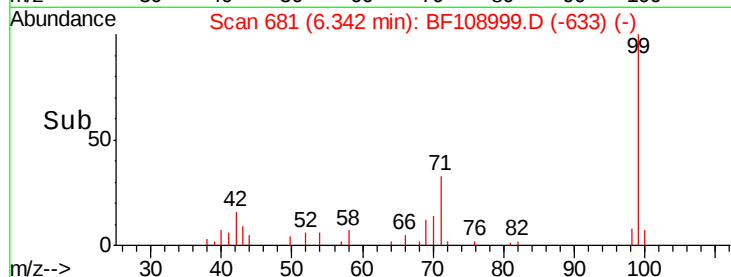
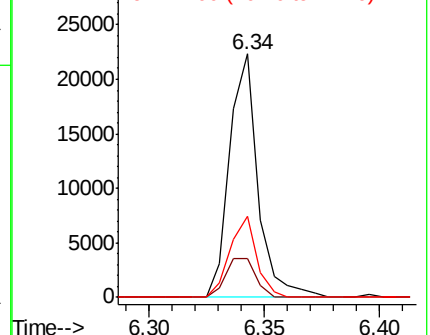
99 100

42 15.9 14.5 21.7

71 33.3 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 963

Delta R.T. -0.01 min

Lab File: BF108999.D

Acq: 14 Sep 2018 17:16

Tgt Ion: 136 Resp: 593777

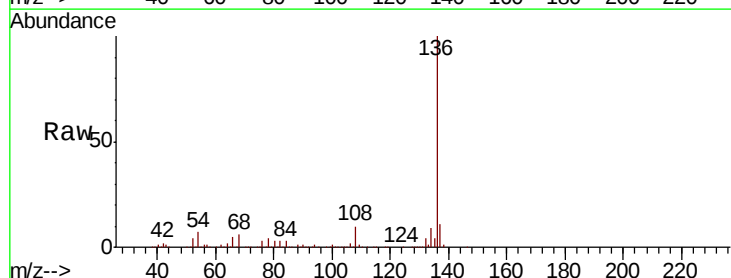
Ion Ratio Lower Upper

136 100

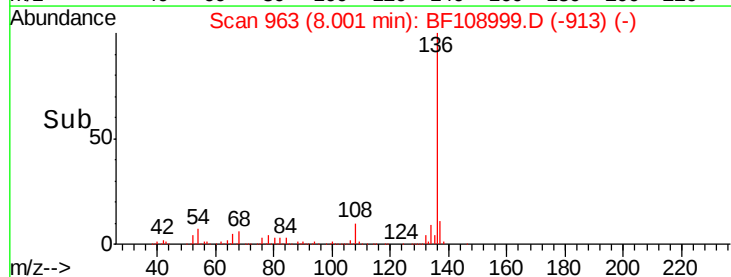
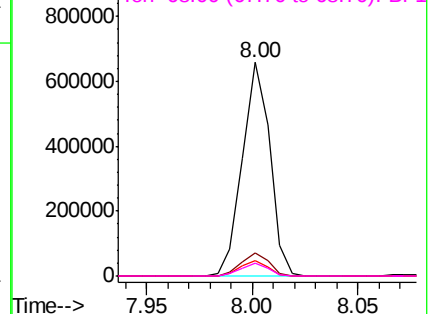
137 11.1 8.9 13.3

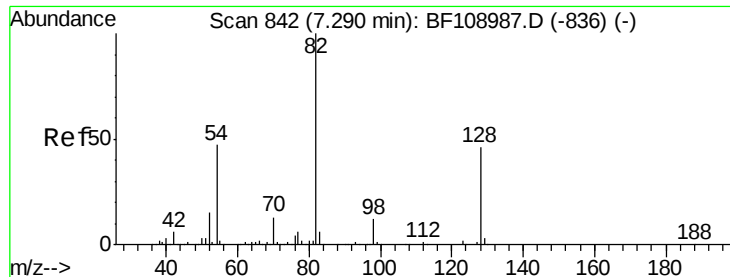
54 7.5 6.6 9.8

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

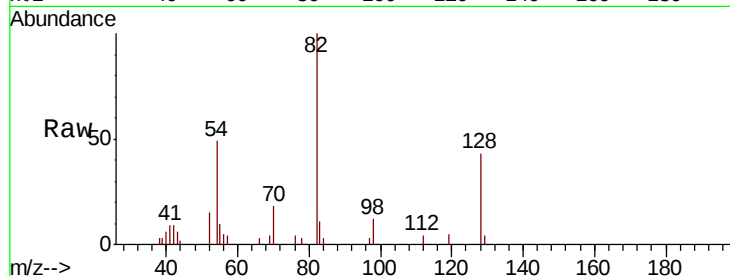




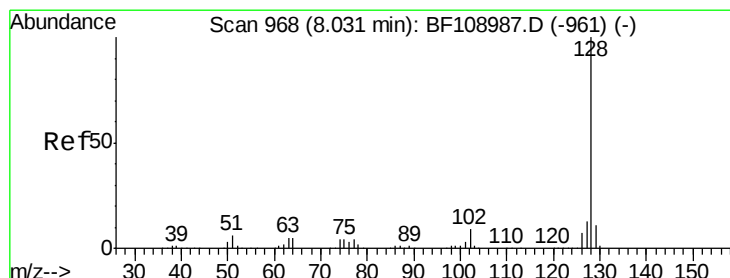
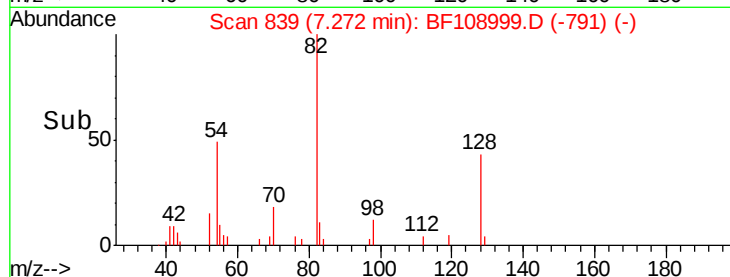
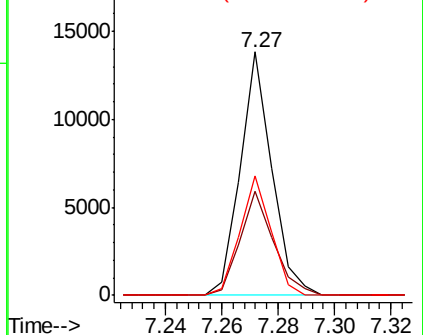
#23
Nitrobenzene-d5
Concen: 1.013 ng
RT: 7.27 min Scan# 839
Delta R.T. -0.02 min
Lab File: BF108999.D
Acq: 14 Sep 2018 17:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 10721
Ion Ratio Lower Upper
82 100
128 42.7 36.1 54.1
54 48.9 41.4 62.2

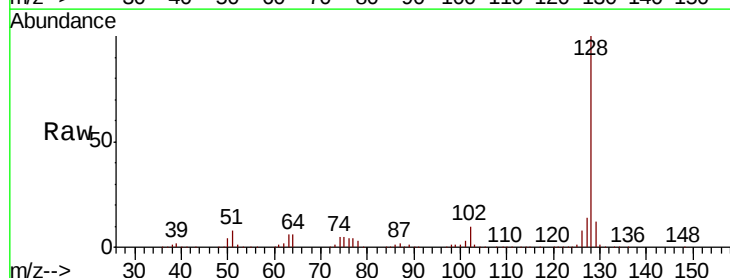


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

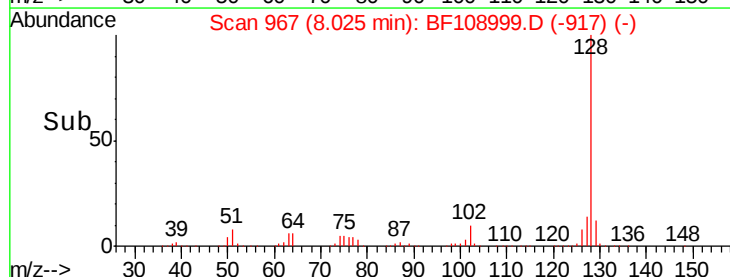
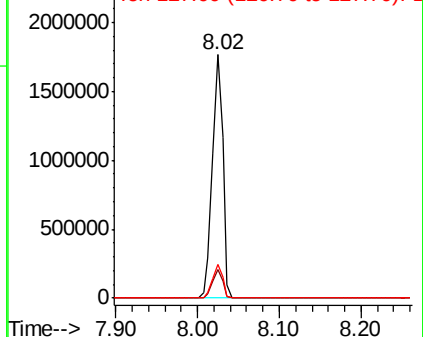


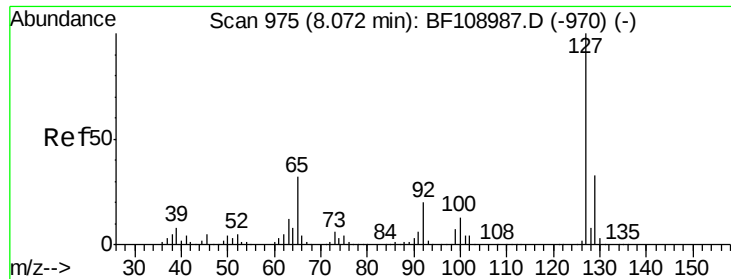
#31
Naphthalene
Concen: 56.810 ng
RT: 8.02 min Scan# 967
Delta R.T. -0.01 min
Lab File: BF108999.D
Acq: 14 Sep 2018 17:16

Tgt Ion:128 Resp: 1565654
Ion Ratio Lower Upper
128 100
129 11.8 8.8 13.2
127 13.7 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): BF1
Ion 129.00 (128.70 to 129.70): BF1
Ion 127.00 (126.70 to 127.70): BF1

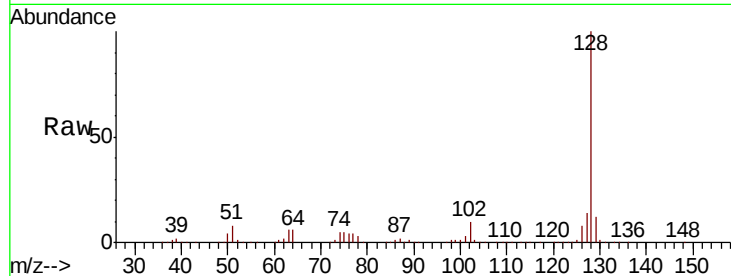




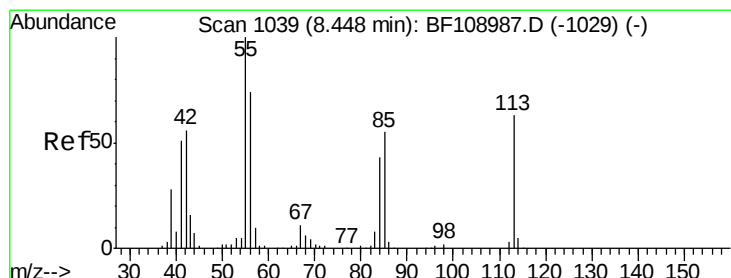
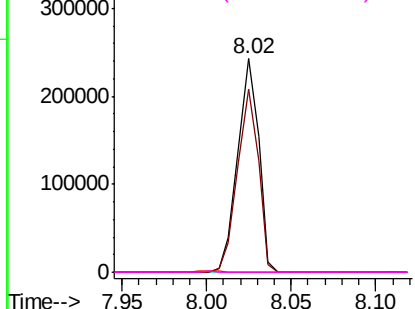
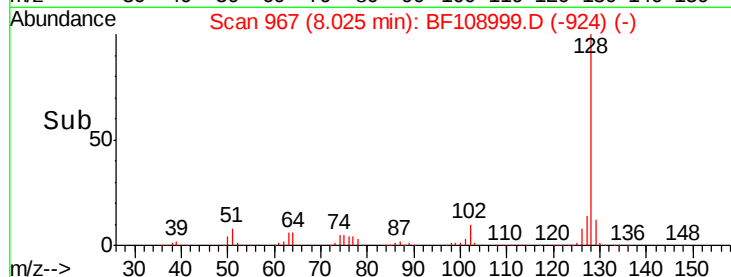
#33
4-Chloroaniline
Concen: 17.114 ng
RT: 8.02 min Scan# 967
Delta R.T. -0.05 min
Lab File: BF108999.D
Acq: 14 Sep 2018 17:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:127	Resp:	209712
Ion Ratio	Lower	Upper
127	100	
129	85.9	25.9 38.9#
65	0.0	25.0 37.4#
92	0.0	15.2 22.8#

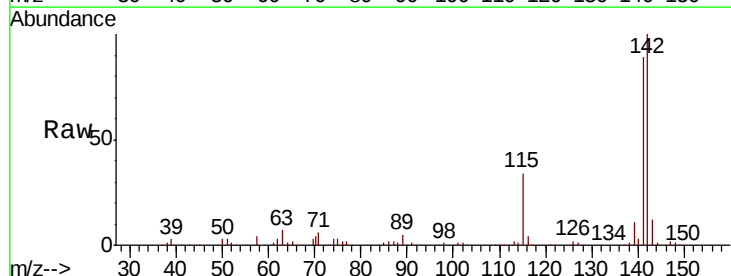


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

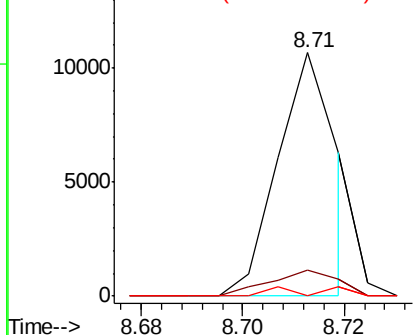
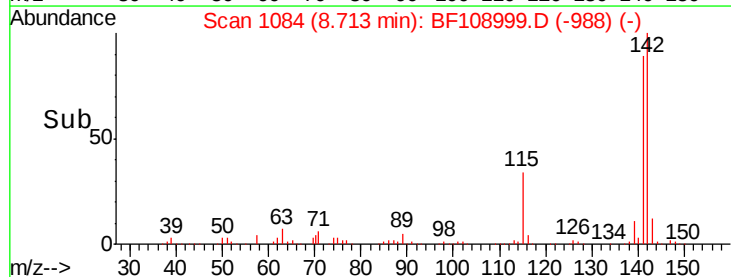


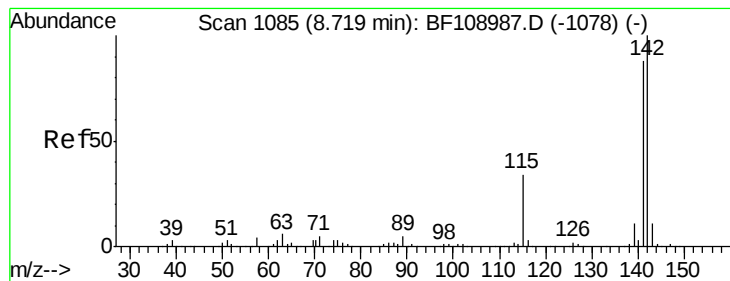
#35
Caprolactam
Concen: 3.049 ng
RT: 8.71 min Scan# 1084
Delta R.T. 0.26 min
Lab File: BF108999.D
Acq: 14 Sep 2018 17:16

Tgt Ion:113	Resp:	8469
Ion Ratio	Lower	Upper
113	100	
55	10.8	163.3 203.3#
56	0.0	115.7 155.7#



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

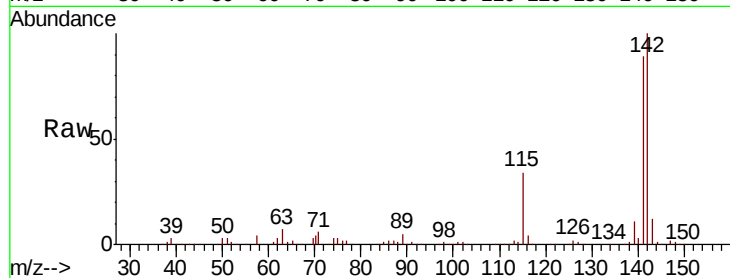




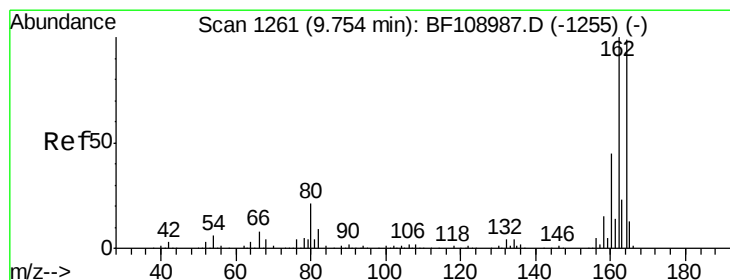
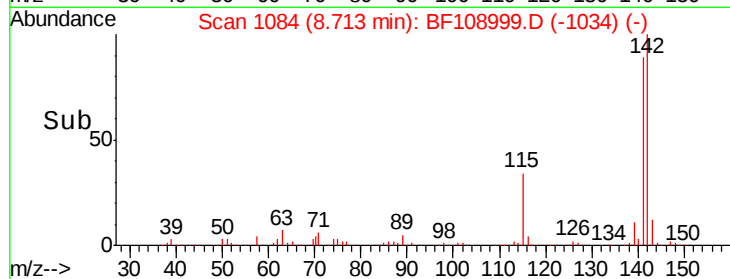
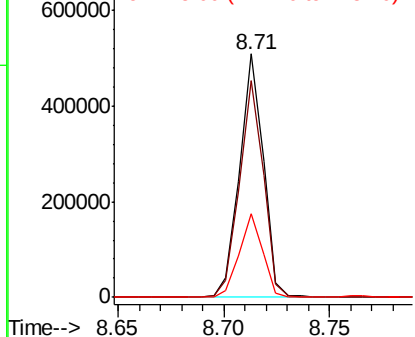
#37
2-Methylnaphthalene
Concen: 22.010 ng
RT: 8.71 min Scan# 1084
Delta R.T. -0.01 min
Lab File: BF108999.D
Acq: 14 Sep 2018 17:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:142 Resp: 395401
Ion Ratio Lower Upper
142 100
141 89.1 70.8 106.2
115 34.3 26.1 39.1

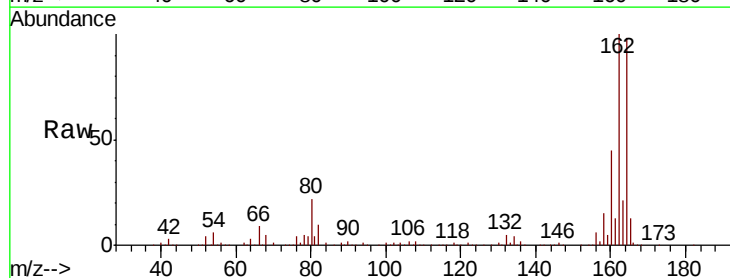


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

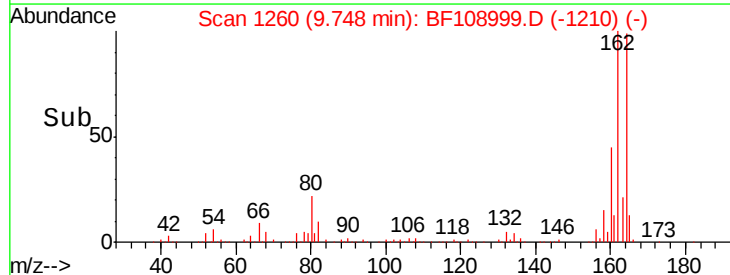
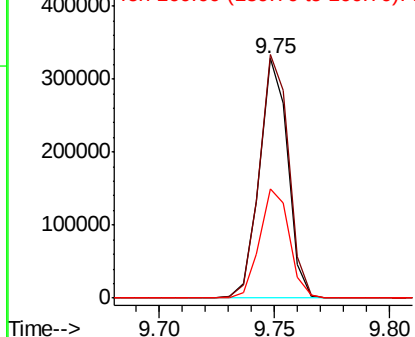


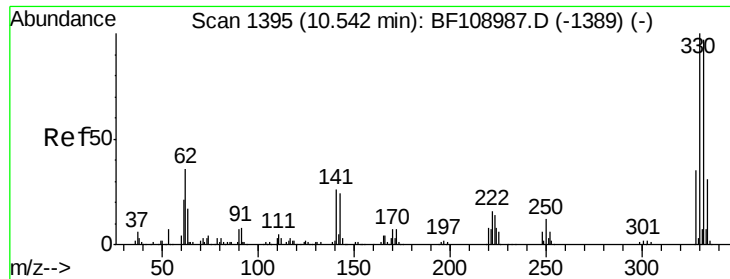
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BF108999.D
Acq: 14 Sep 2018 17:16

Tgt Ion:164 Resp: 282649
Ion Ratio Lower Upper
164 100
162 101.7 86.1 129.1
160 45.4 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

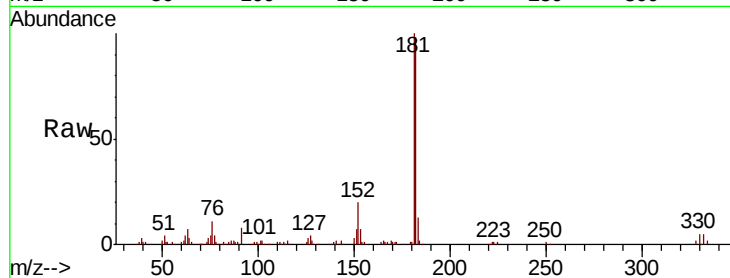




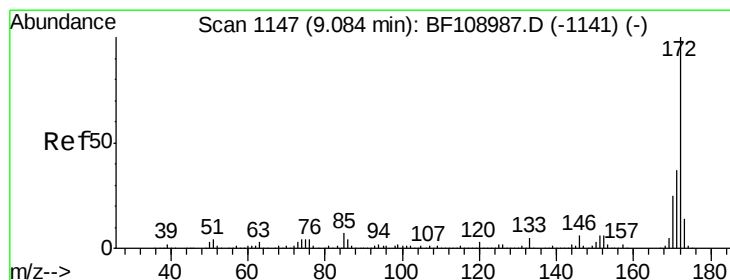
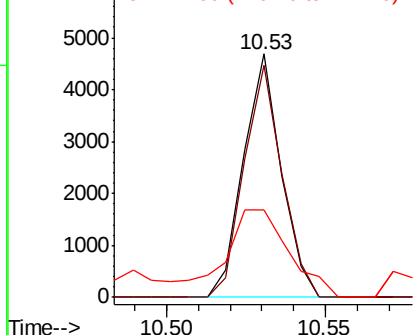
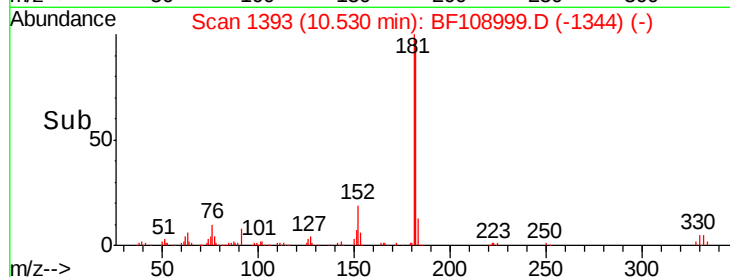
#41
 2,4,6-Tribromophenol
 Concen: 1.265 ng
 RT: 10.53 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: BF108999.D
 Acq: 14 Sep 2018 17:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 3880
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.0 115.6
 141 61.7 29.9 44.9#

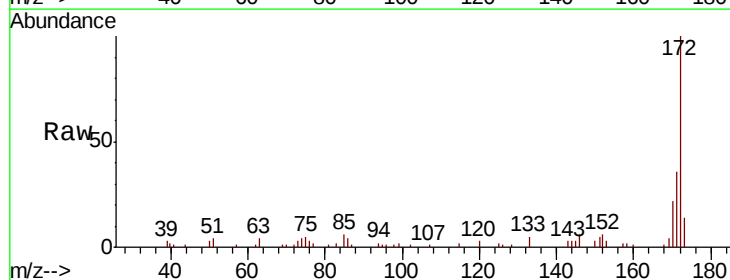


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

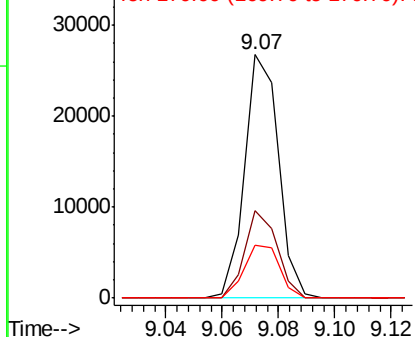
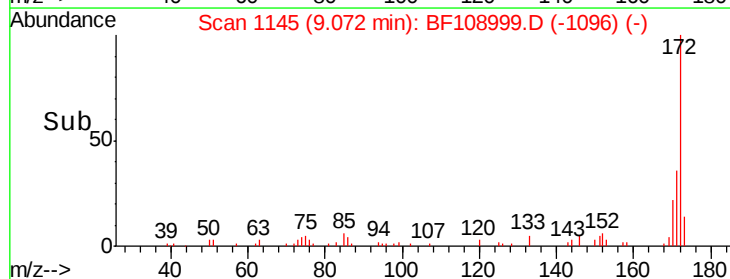


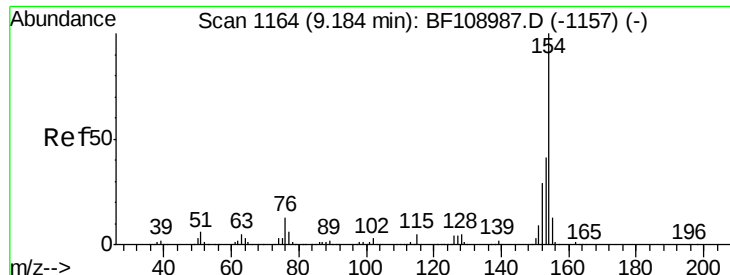
#44
 2-Fluorobiphenyl
 Concen: 1.235 ng
 RT: 9.07 min Scan# 1145
 Delta R.T. -0.01 min
 Lab File: BF108999.D
 Acq: 14 Sep 2018 17:16

Tgt Ion:172 Resp: 22281
 Ion Ratio Lower Upper
 172 100
 171 36.0 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

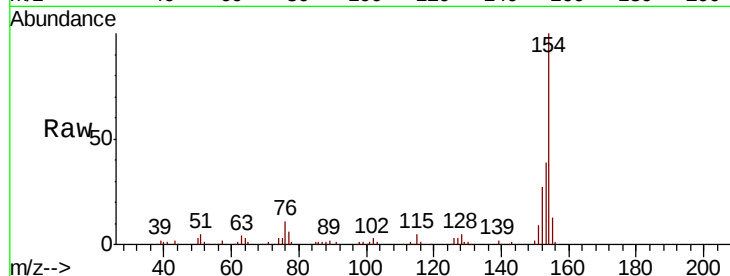




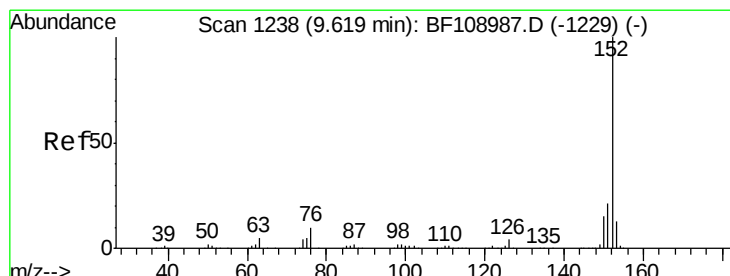
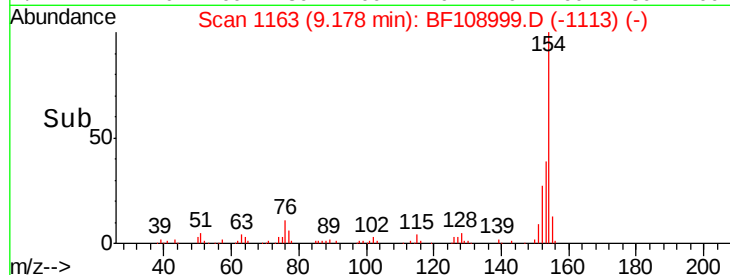
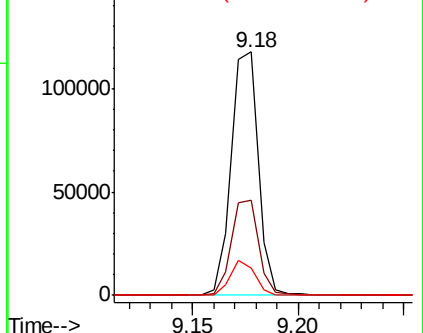
#45
 1,1'-Biphenyl
 Concen: 4.593 ng
 RT: 9.18 min Scan# 1163
 Delta R.T. -0.01 min
 Lab File: BF108999.D
 Acq: 14 Sep 2018 17:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	154	Resp:	103851
Ion	Ratio	Lower	Upper
154	100		
153	39.1	21.3	61.3
76	11.3	0.0	34.0

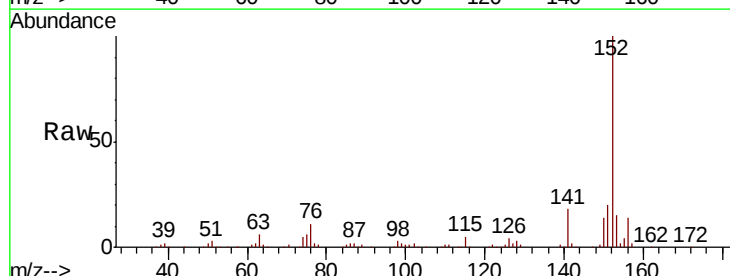


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

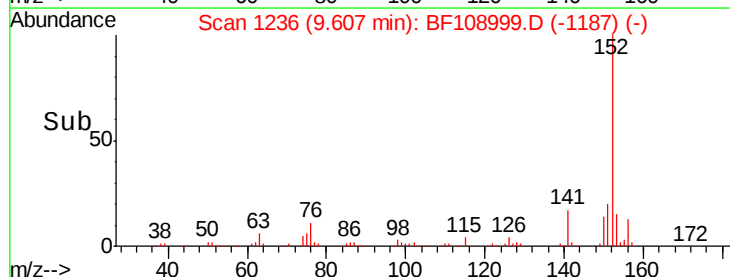
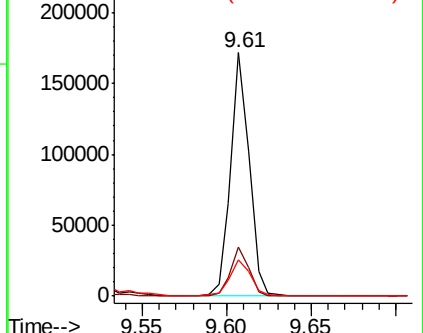


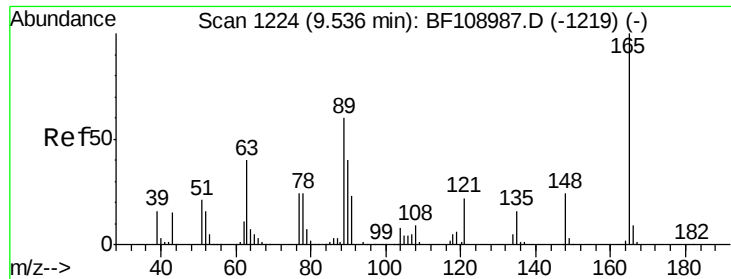
#48
 Acenaphthylene
 Concen: 4.805 ng
 RT: 9.61 min Scan# 1236
 Delta R.T. -0.01 min
 Lab File: BF108999.D
 Acq: 14 Sep 2018 17:16

Tgt Ion:	152	Resp:	131186
Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.3	24.5
153	15.1	10.7	16.1



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E

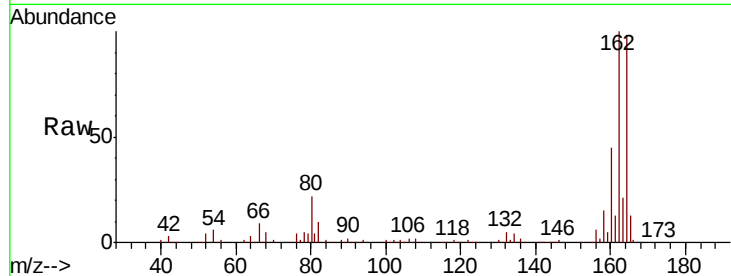




#50
 2,6-Dinitrotoluene
 Concen: 10.245 ng
 RT: 9.75 min Scan# 1260
 Delta R.T. 0.21 min
 Lab File: BF108999.D
 Acq: 14 Sep 2018 17:16

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	44.7	67.1#
89	1.6	44.0	66.0#

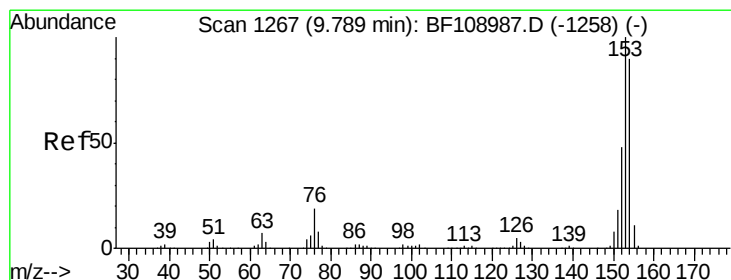
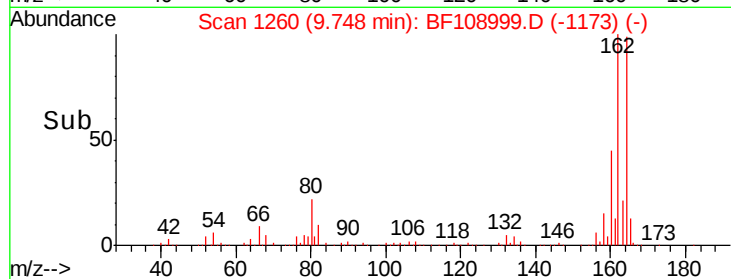
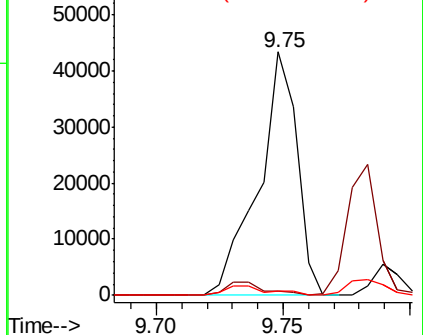


Abundance

Ion 165.00 (164.70 to 165.70): E

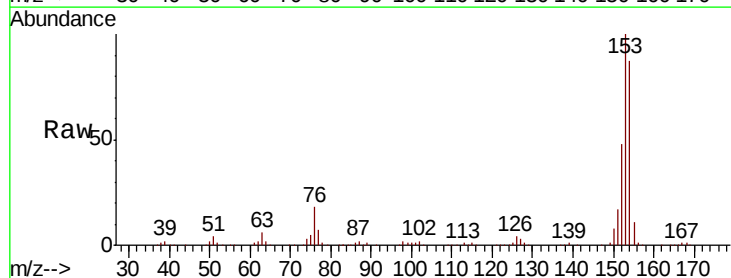
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#51
 Acenaphthene
 Concen: 14.637 ng
 RT: 9.78 min Scan# 1266
 Delta R.T. -0.01 min
 Lab File: BF108999.D
 Acq: 14 Sep 2018 17:16

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.5	91.2	136.8
152	54.9	43.8	65.8

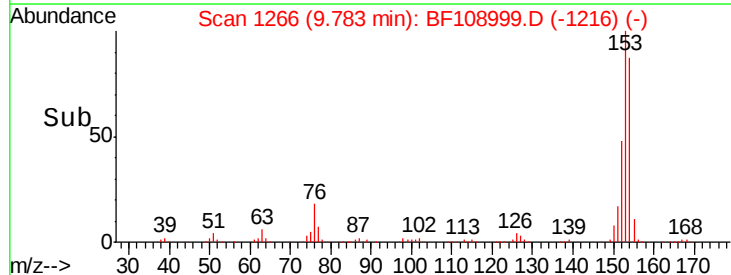
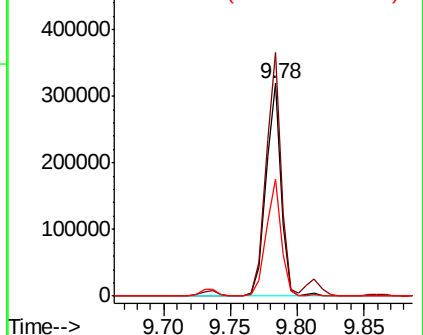


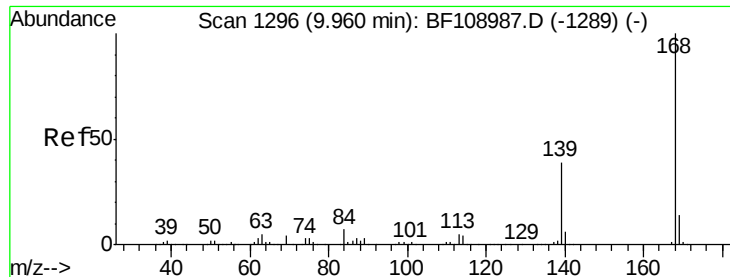
Abundance

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

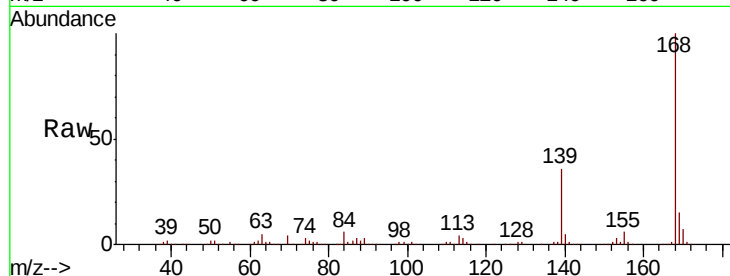




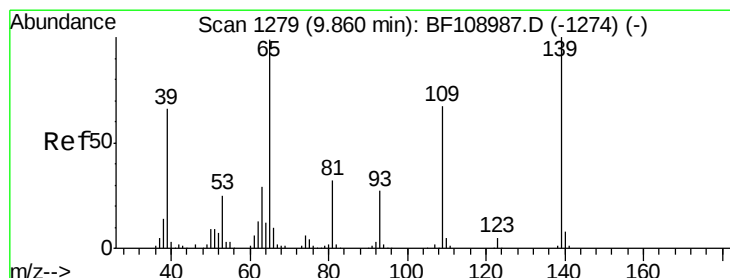
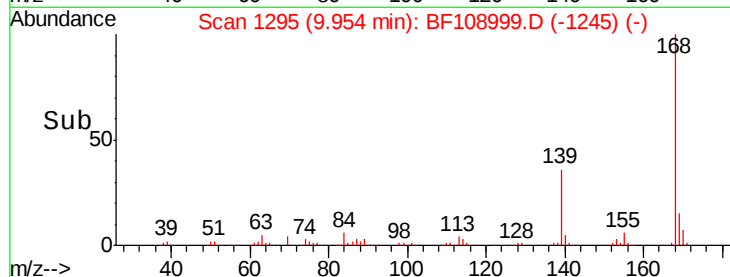
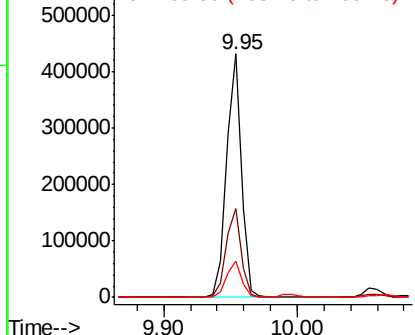
#54
Dibenzofuran
Concen: 13.910 ng
RT: 9.95 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF108999.D
Acq: 14 Sep 2018 17:16

Instrument :
BNA_F
ClientSampled :

Tot Ion:168 Resp: 341768
Ion Ratio Lower Upper
168 100
139 36.4 30.1 45.1
169 14.7 10.9 16.3

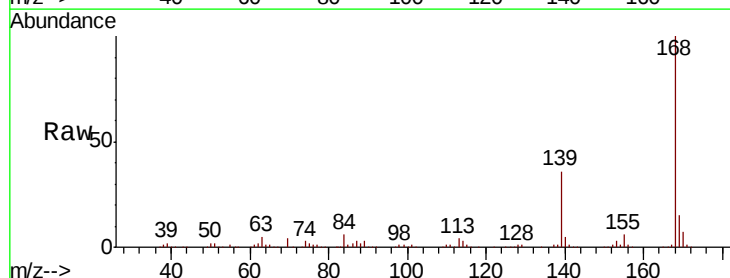


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

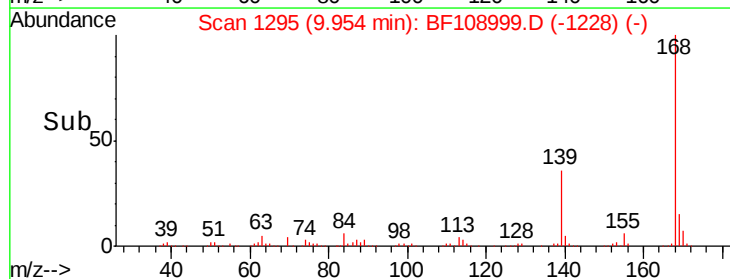
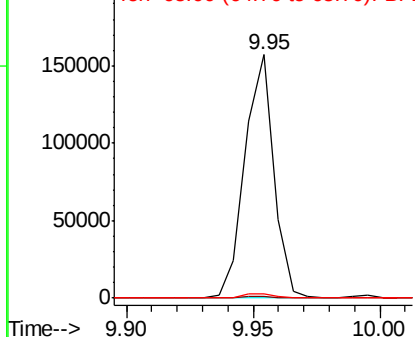


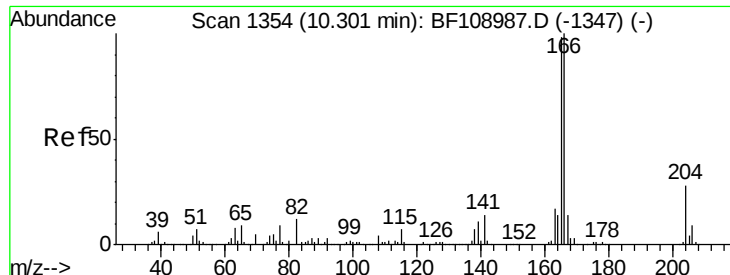
#55
4-Nitrophenol
Concen: 32.287 ng
RT: 9.95 min Scan# 1295
Delta R.T. 0.09 min
Lab File: BF108999.D
Acq: 14 Sep 2018 17:16

Tgt Ion:139 Resp: 125494
Ion Ratio Lower Upper
139 100
109 0.8 48.4 88.4#
65 1.6 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





#57

Fluorene

Concen: 20.963 ng

RT: 10.30 min Scan# 1353

Delta R.T. -0.01 min

Lab File: BF108999.D

Acq: 14 Sep 2018 17:16

Instrument :

BNA_F

ClientSampled :

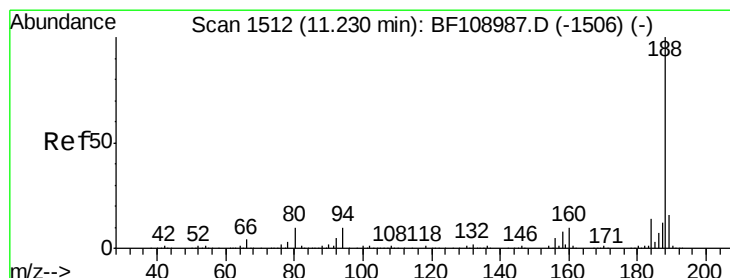
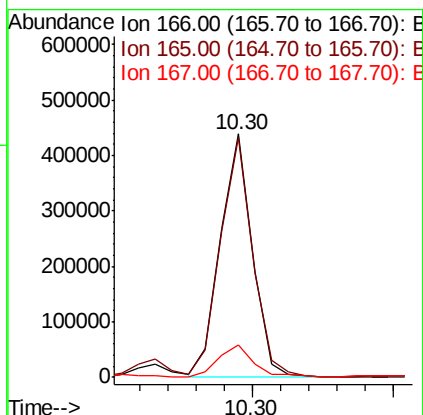
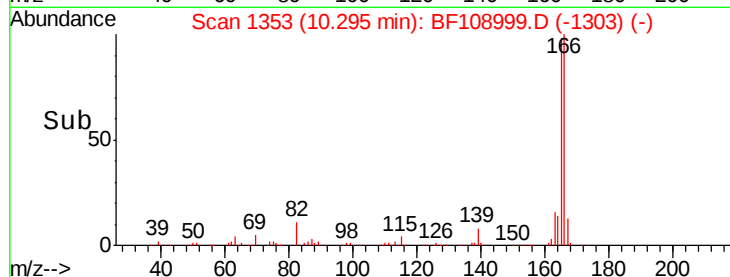
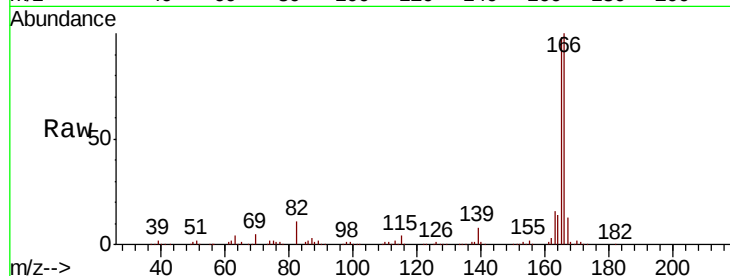
Tot Ion:166 Resp: 343241

Ion Ratio Lower Upper

166 100

165 98.3 79.8 119.8

167 13.4 10.6 16.0



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1512

Delta R.T. -0.00 min

Lab File: BF108999.D

Acq: 14 Sep 2018 17:16

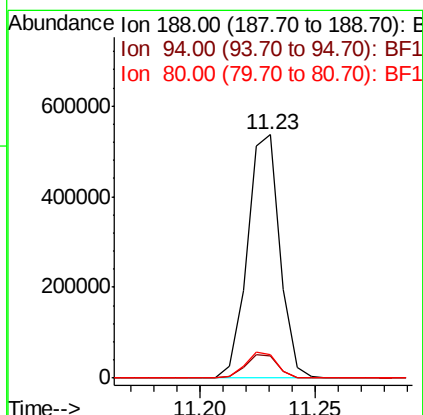
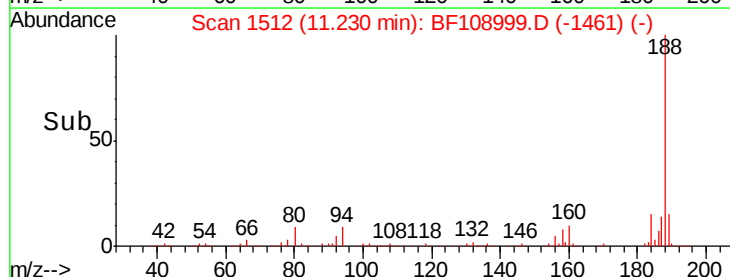
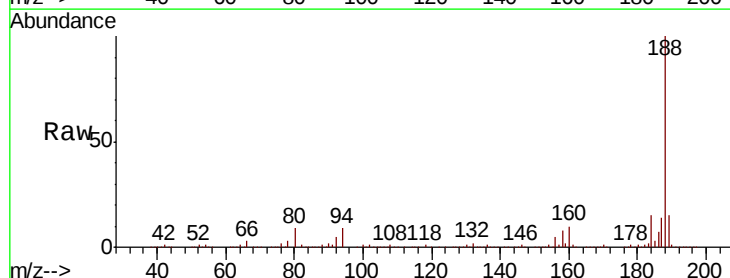
Tgt Ion:188 Resp: 526043

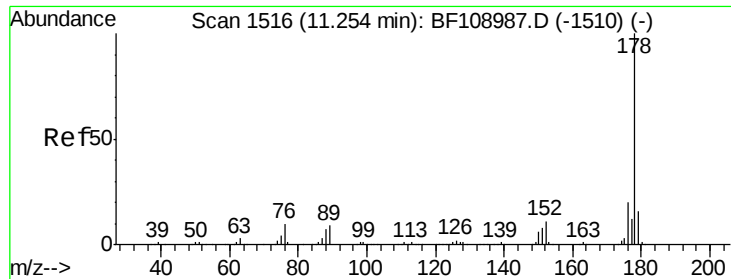
Ion Ratio Lower Upper

188 100

94 9.3 8.5 12.7

80 9.4 9.2 13.8

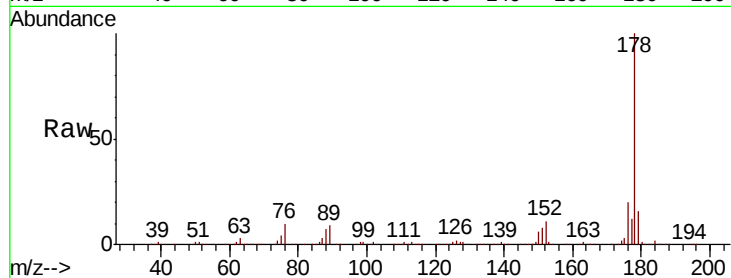




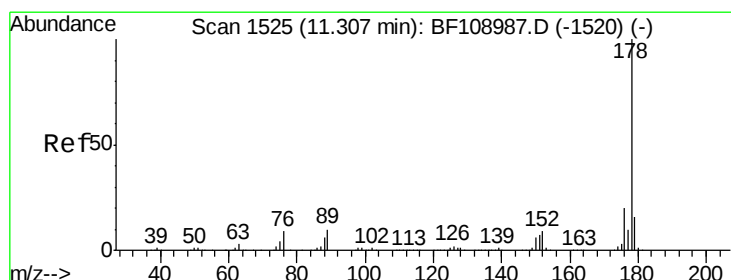
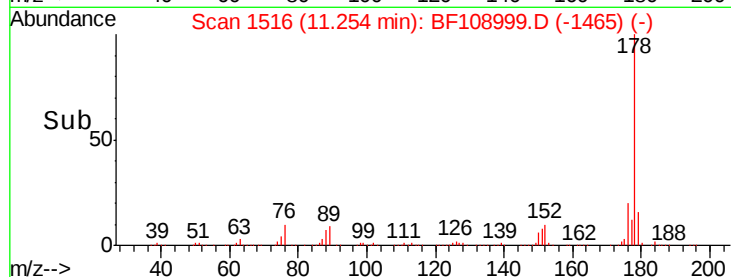
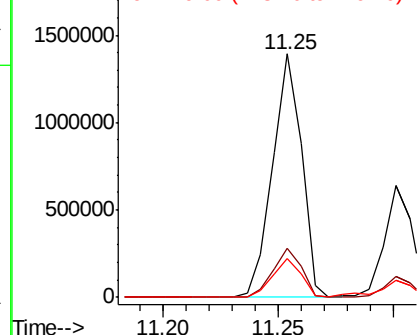
#70
Phenanthrene
Concen: 47.316 ng
RT: 11.25 min Scan# 1516
Delta R.T. -0.00 min
Lab File: BF108999.D
Acq: 14 Sep 2018 17:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 1220115
Ion Ratio Lower Upper
178 100
176 20.2 15.8 23.8
179 15.9 13.0 19.6

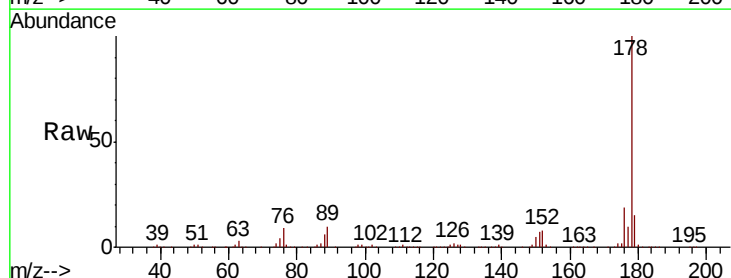


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

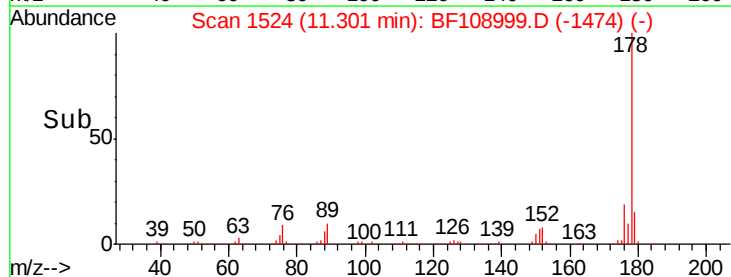
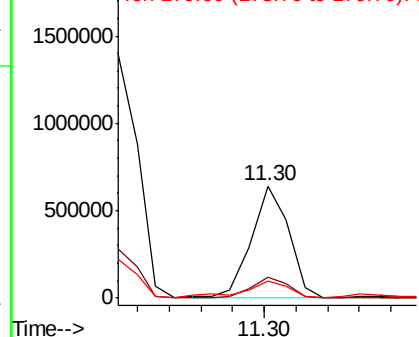


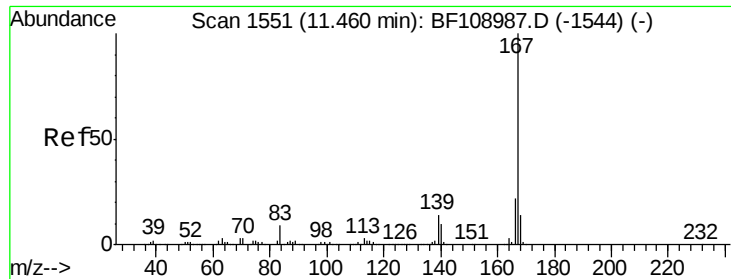
#71
Anthracene
Concen: 19.940 ng
RT: 11.30 min Scan# 1524
Delta R.T. -0.01 min
Lab File: BF108999.D
Acq: 14 Sep 2018 17:16

Tgt Ion:178 Resp: 521230
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 15.4 12.6 19.0



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





#72

Carbazole

Concen: 5.104 ng

RT: 11.45 min Scan# 1550

Delta R.T. -0.01 min

Lab File: BF108999.D

Acq: 14 Sep 2018 17:16

Instrument :

BNA_F

ClientSampleId :

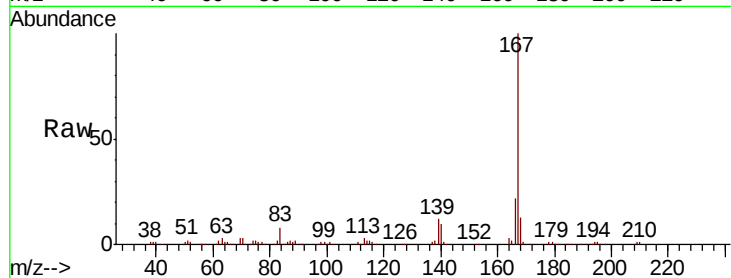
Tot Ion:167 Resp: 132076

Ion Ratio Lower Upper

167 100

166 22.2 17.6 26.4

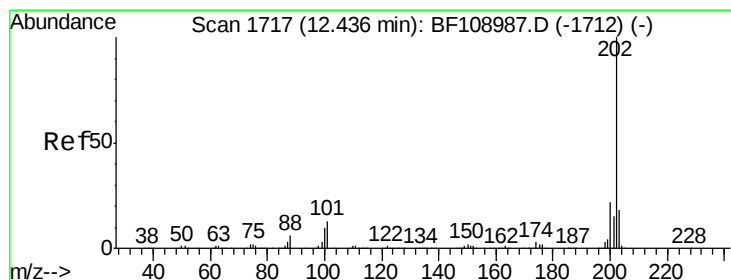
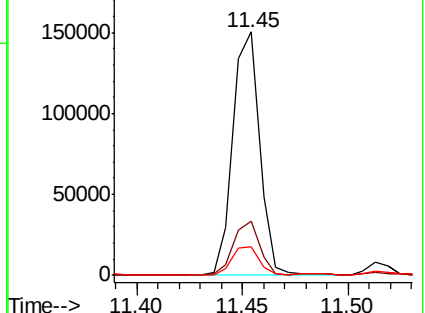
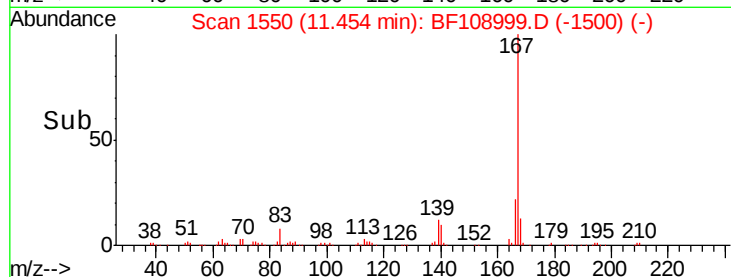
139 12.0 10.9 16.3



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: 26.928 ng

RT: 12.44 min Scan# 1717

Delta R.T. -0.00 min

Lab File: BF108999.D

Acq: 14 Sep 2018 17:16

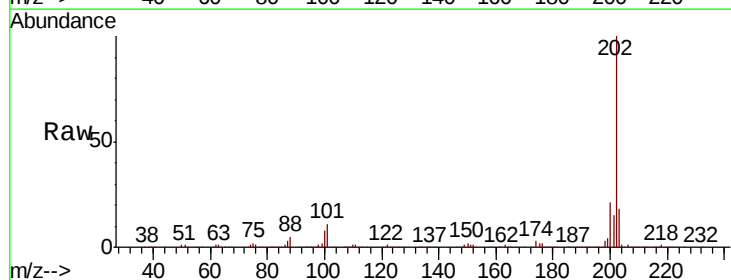
Tgt Ion:202 Resp: 733069

Ion Ratio Lower Upper

202 100

101 10.9 0.0 34.1

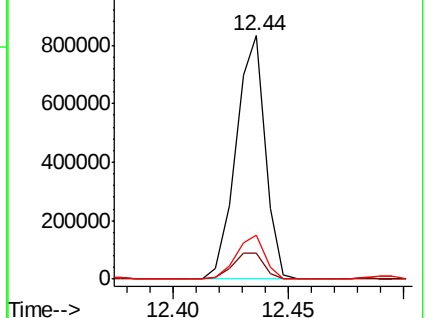
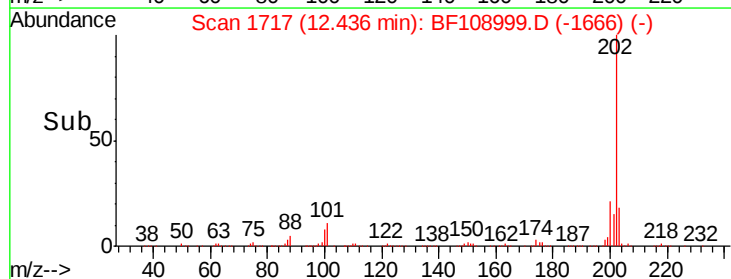
203 17.9 0.0 38.1

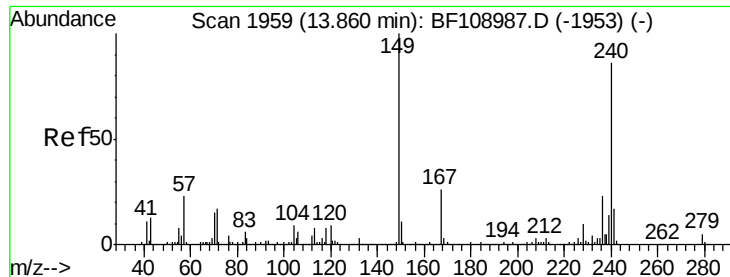


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.85 min Scan# 1958

Delta R.T. -0.01 min

Lab File: BF108999.D

Acq: 14 Sep 2018 17:16

Instrument :

BNA_F

ClientSampleId :

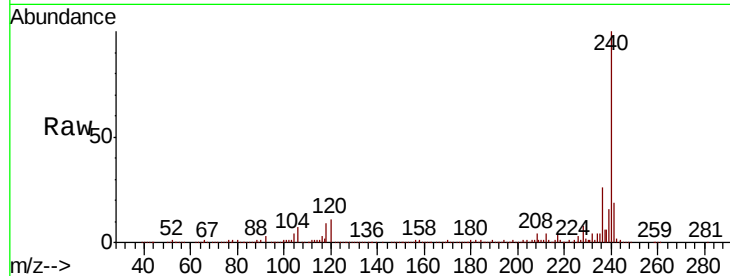
Tot Ion:240 Resp: 357175

Ion Ratio Lower Upper

240 100

120 10.8 9.5 14.3

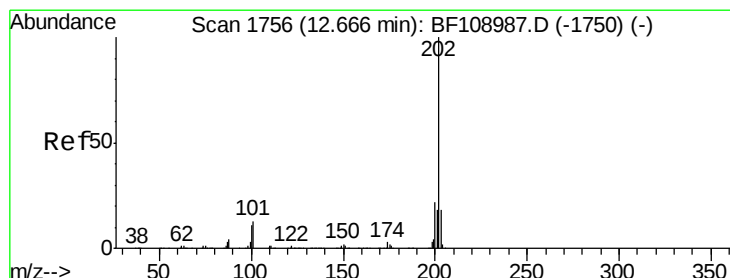
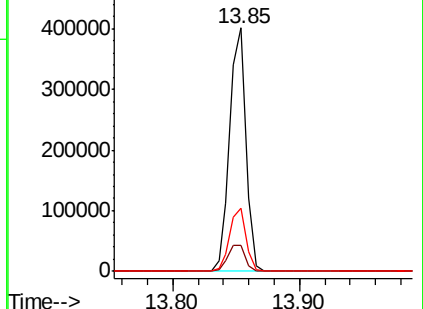
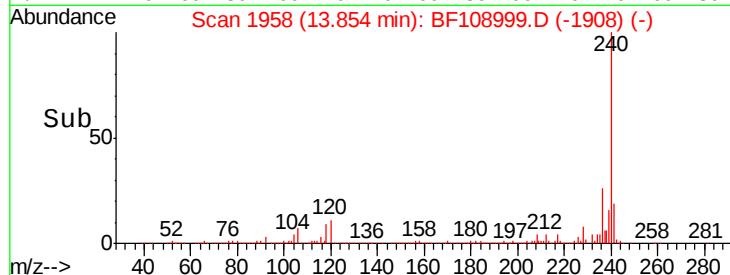
236 25.9 20.7 31.1



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: 21.797 ng

RT: 12.66 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF108999.D

Acq: 14 Sep 2018 17:16

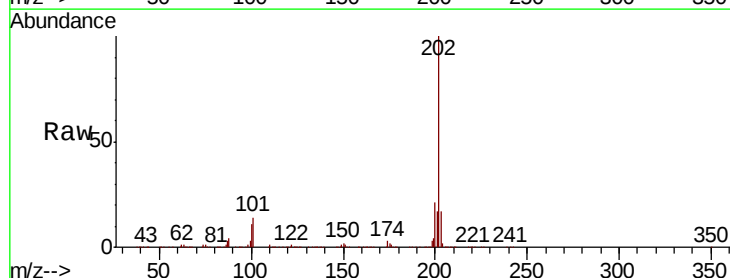
Tgt Ion:202 Resp: 578274

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

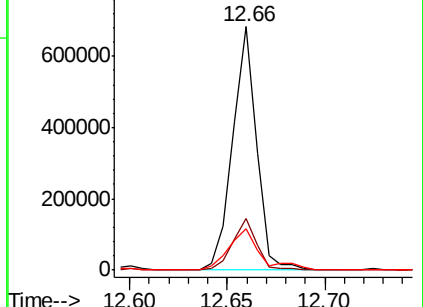
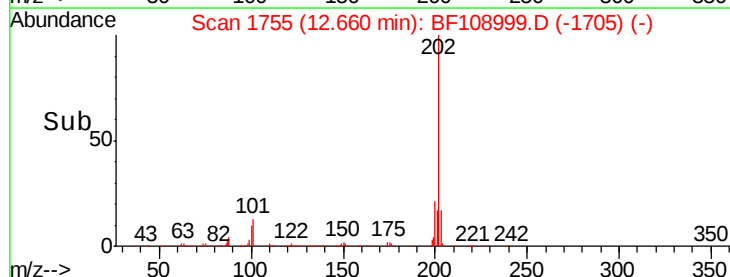
203 17.1 14.3 21.5

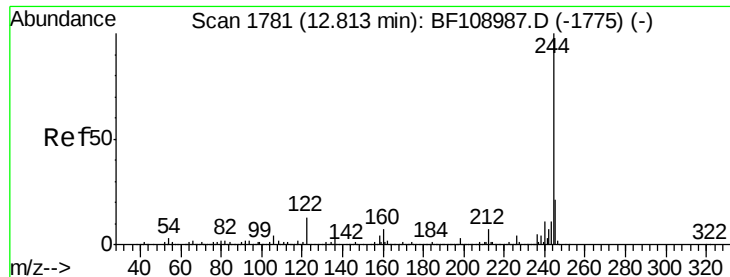


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

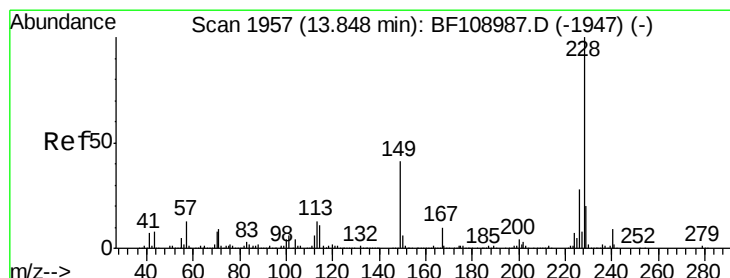
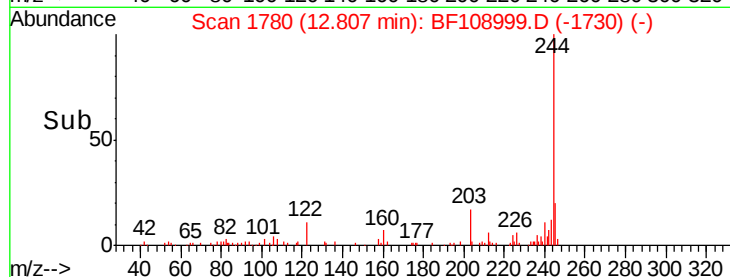
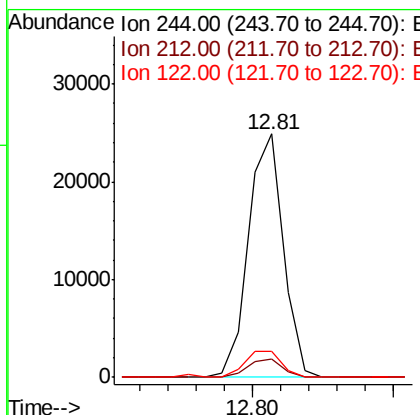
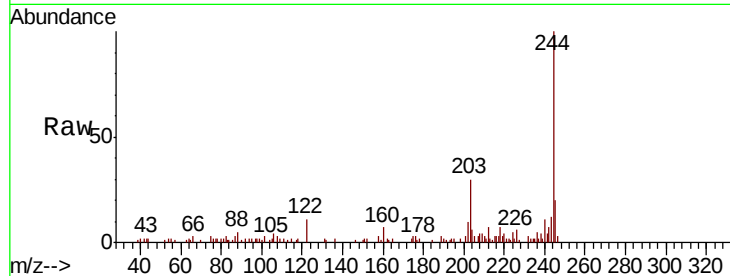




#78
 Terphenyl-d14
 Concen: 1.411 ng
 RT: 12.81 min Scan# 1780
 Delta R.T. -0.01 min
 Lab File: BF108999.D
 Acq: 14 Sep 2018 17:16

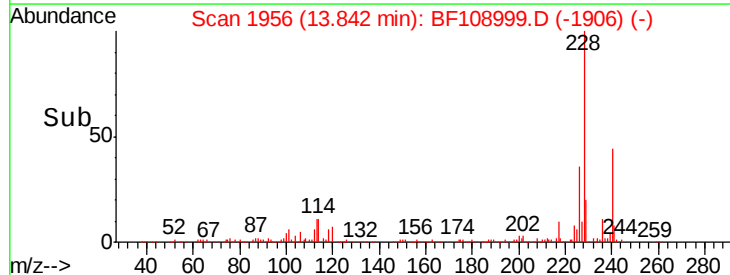
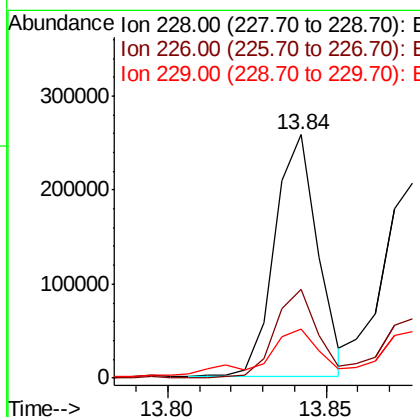
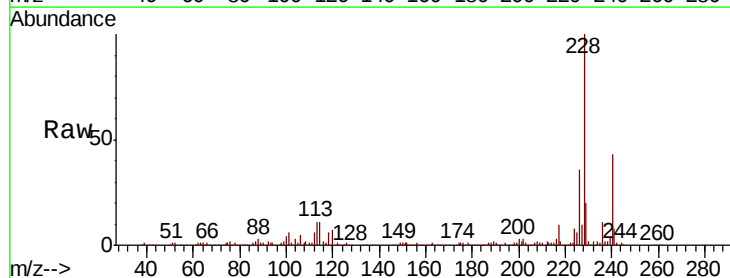
Instrument :
 BNA_F
 ClientSampleId :

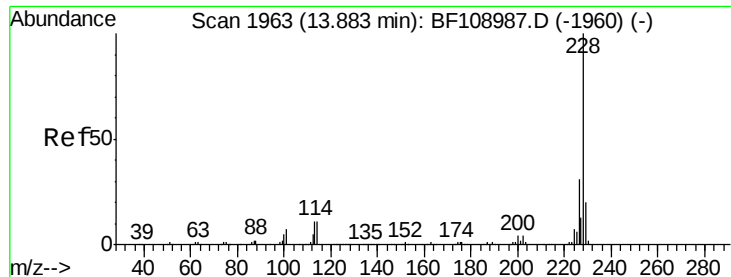
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.4	8.0
122	10.6	11.0	16.4



#80
 Benzo(a)anthracene
 Concen: 11.284 ng
 RT: 13.84 min Scan# 1956
 Delta R.T. -0.01 min
 Lab File: BF108999.D
 Acq: 14 Sep 2018 17:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	36.5	22.6	33.8
229	20.3	15.8	23.6





#82

Chrysene

Concen: 9.267 ng

RT: 13.88 min Scan# 1962

Delta R.T. -0.01 min

Lab File: BF108999.D

Acq: 14 Sep 2018 17:16

Instrument :

BNA_F

ClientSampleId :

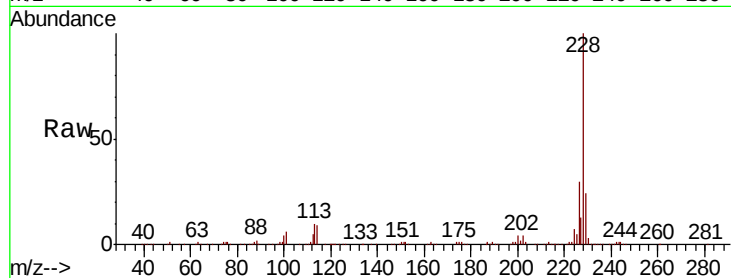
Tot Ion:228 Resp: 200494

Ion Ratio Lower Upper

228 100

226 30.4 25.0 37.6

229 24.1 16.2 24.4

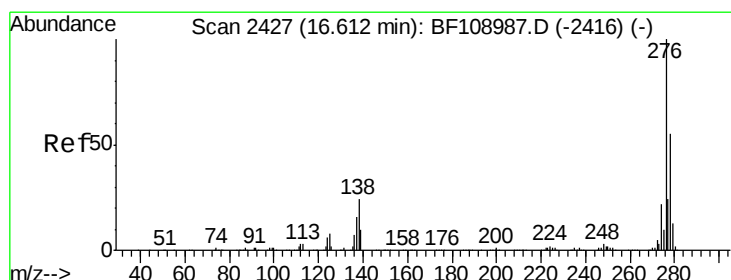
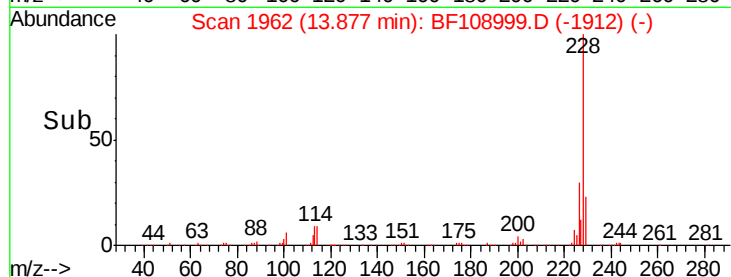
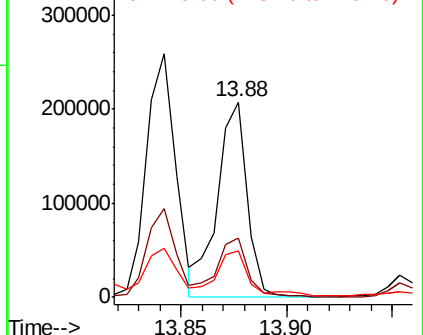


Abundance

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: 5.505 ng

RT: 16.59 min Scan# 2424

Delta R.T. -0.02 min

Lab File: BF108999.D

Acq: 14 Sep 2018 17:16

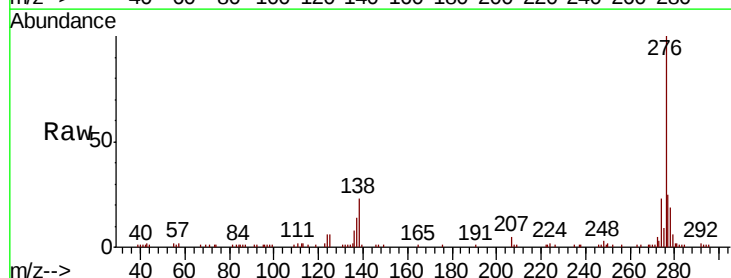
Tgt Ion:276 Resp: 95218

Ion Ratio Lower Upper

276 100

138 23.9 25.0 37.6#

277 27.0 20.1 30.1

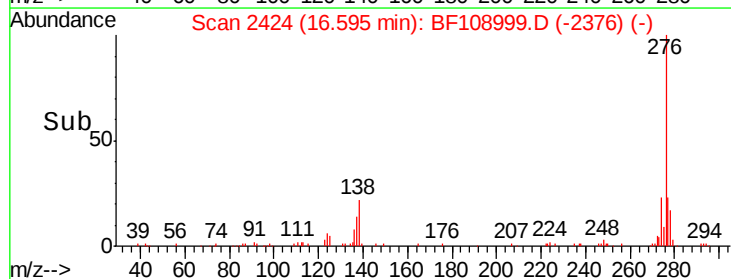
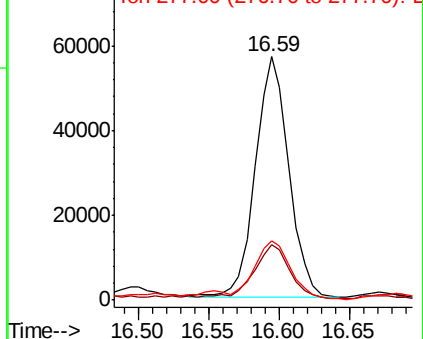


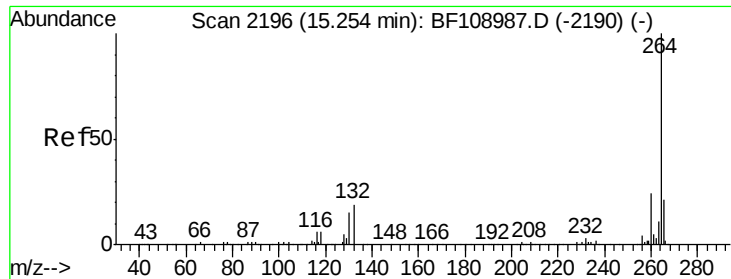
Abundance

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

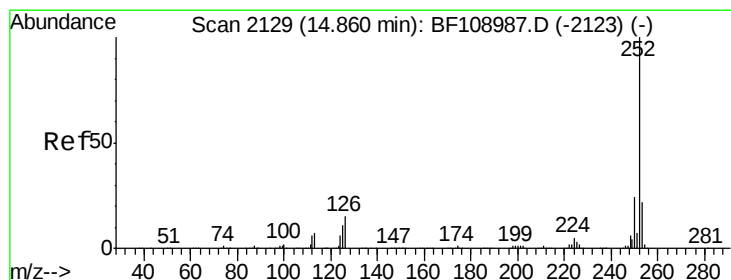
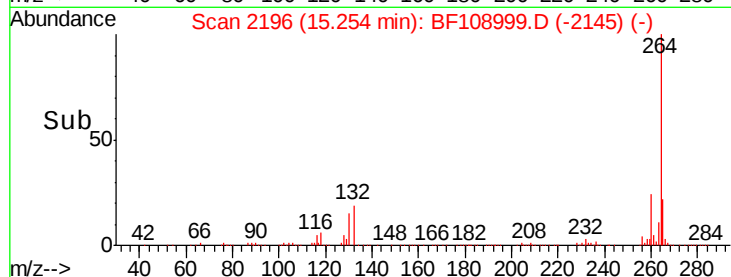
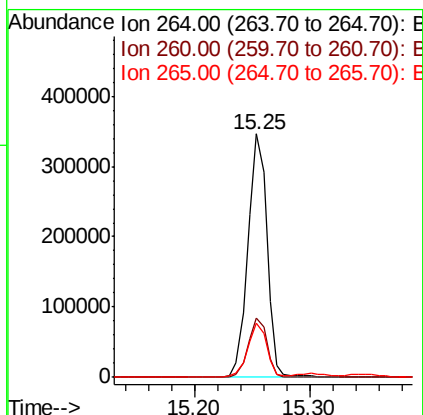
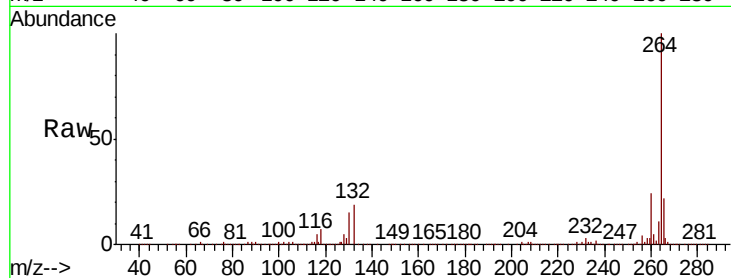




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.25 min Scan# 2196
Delta R.T. -0.00 min
Lab File: BF108999.D
Acq: 14 Sep 2018 17:16

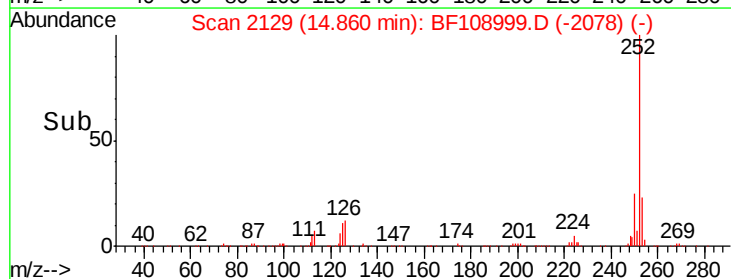
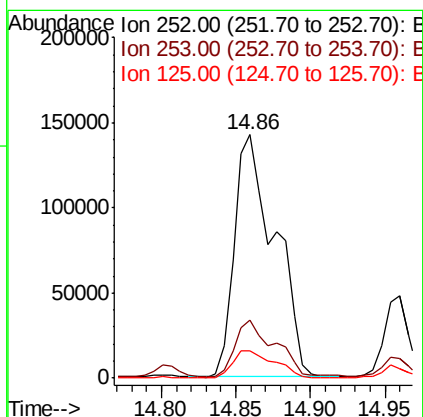
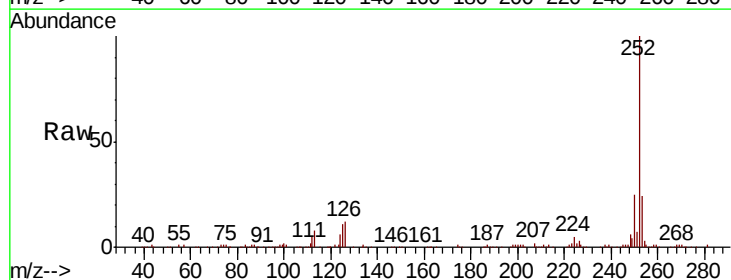
Instrument :
BNA_F
ClientSampleId :

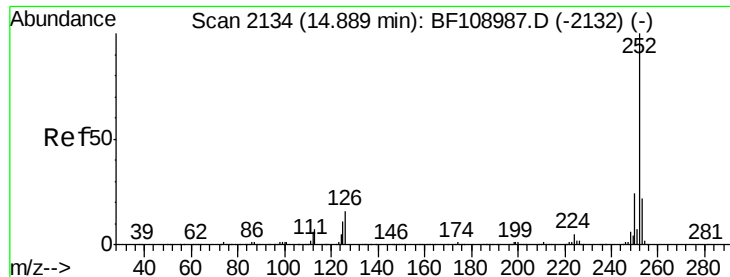
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.1	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 12.219 ng
RT: 14.86 min Scan# 2129
Delta R.T. -0.00 min
Lab File: BF108999.D
Acq: 14 Sep 2018 17:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.6
125	11.4	9.0	13.6

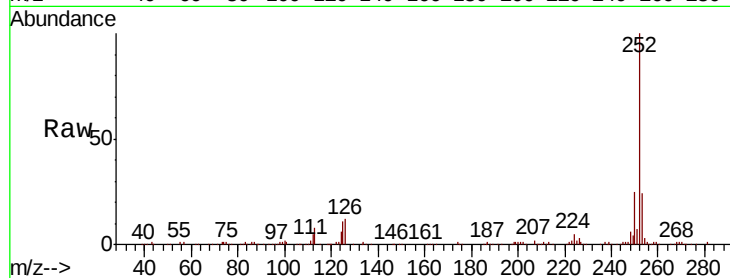




#88
Benzo(k)fluoranthene
Concen: 13.082 ng
RT: 14.86 min Scan# 2129
Delta R.T. -0.03 min
Lab File: BF108999.D
Acq: 14 Sep 2018 17:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	11.4	10.2	15.2

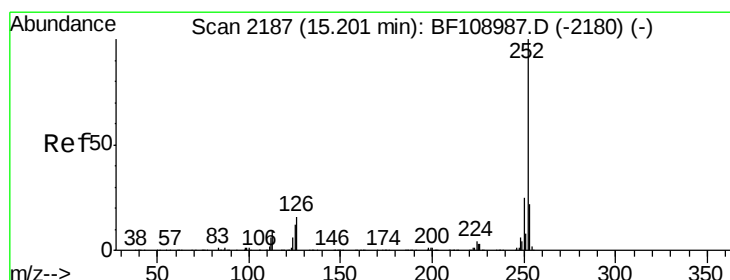
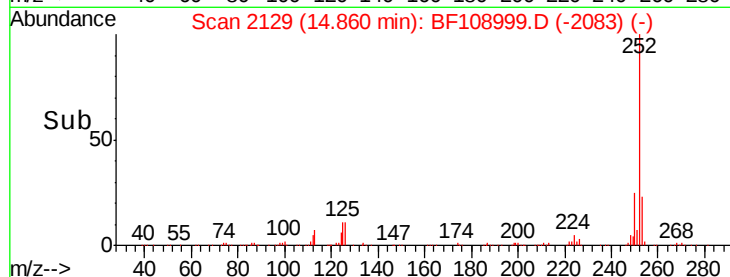
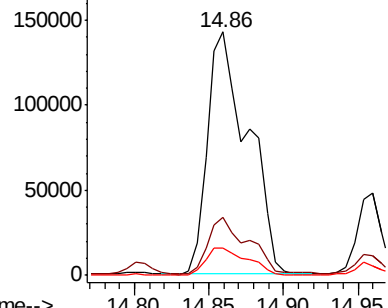


Abundance

Ion 252.00 (251.70 to 252.70): E

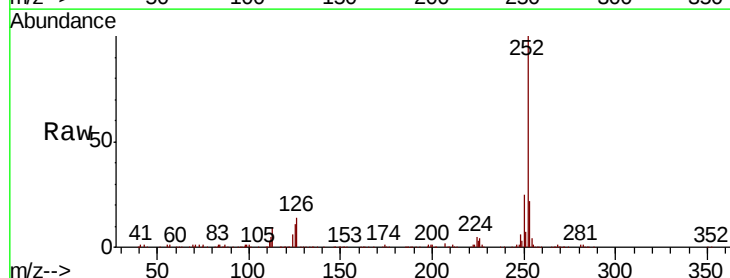
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 8.742 ng
RT: 15.19 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF108999.D
Acq: 14 Sep 2018 17:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	11.4	9.8	14.6

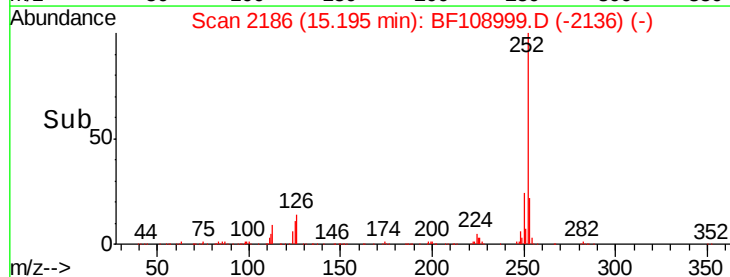
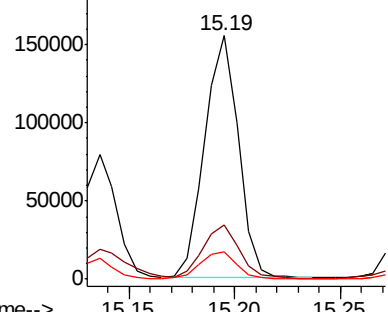


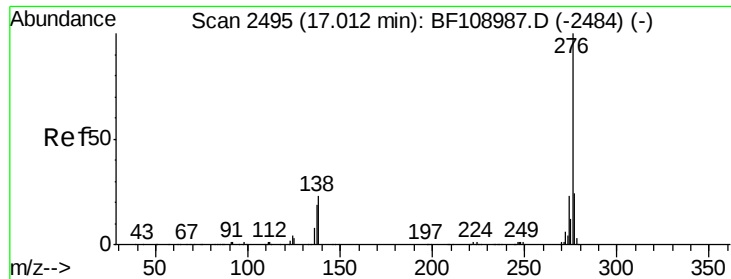
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 4.939 ng

RT: 16.99 min Scan# 2492

Delta R.T. -0.02 min

Lab File: BF108999.D

Acq: 14 Sep 2018 17:16

Instrument :

BNA_F

ClientSampleId :

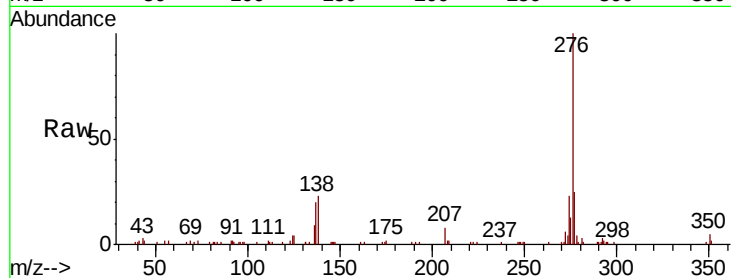
Tot Ion: 276 Resp: 81109

Ion Ratio Lower Upper

276 100

277 25.2 17.9 26.9

138 22.7 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

