

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050417\
 Data File : BF094893.D
 Acq On : 5 May 2017 1:27
 Operator : SJ/MA
 Sample : I2953-03 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 05 03:50:42 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	88354	20.00	ng	-0.01
21) Naphthalene-d8	9.74	136	372487	20.00	ng	-0.02
38) Acenaphthene-d10	12.57	164	167475	20.00	ng	-0.02
63) Phenanthrene-d10	14.98	188	275603	20.00	ng	0.00
75) Chrysene-d12	18.65	240	183517	20.00	ng	0.00
86) Perylene-d12	20.31	264	182525	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.67	112	122253	23.07	ng	-0.01
7) Phenol-d6	7.26	99	154333	24.27	ng	-0.02
23) Nitrobenzene-d5	8.61	82	89539	15.16	ng	-0.02
41) 2,4,6-Tribromophenol	13.87	330	29111	21.22	ng	-0.02
44) 2-Fluorobiphenyl	11.51	172	173073	14.87	ng	-0.02
78) Terphenyl-d14	17.29	244	114432	13.73	ng	-0.02

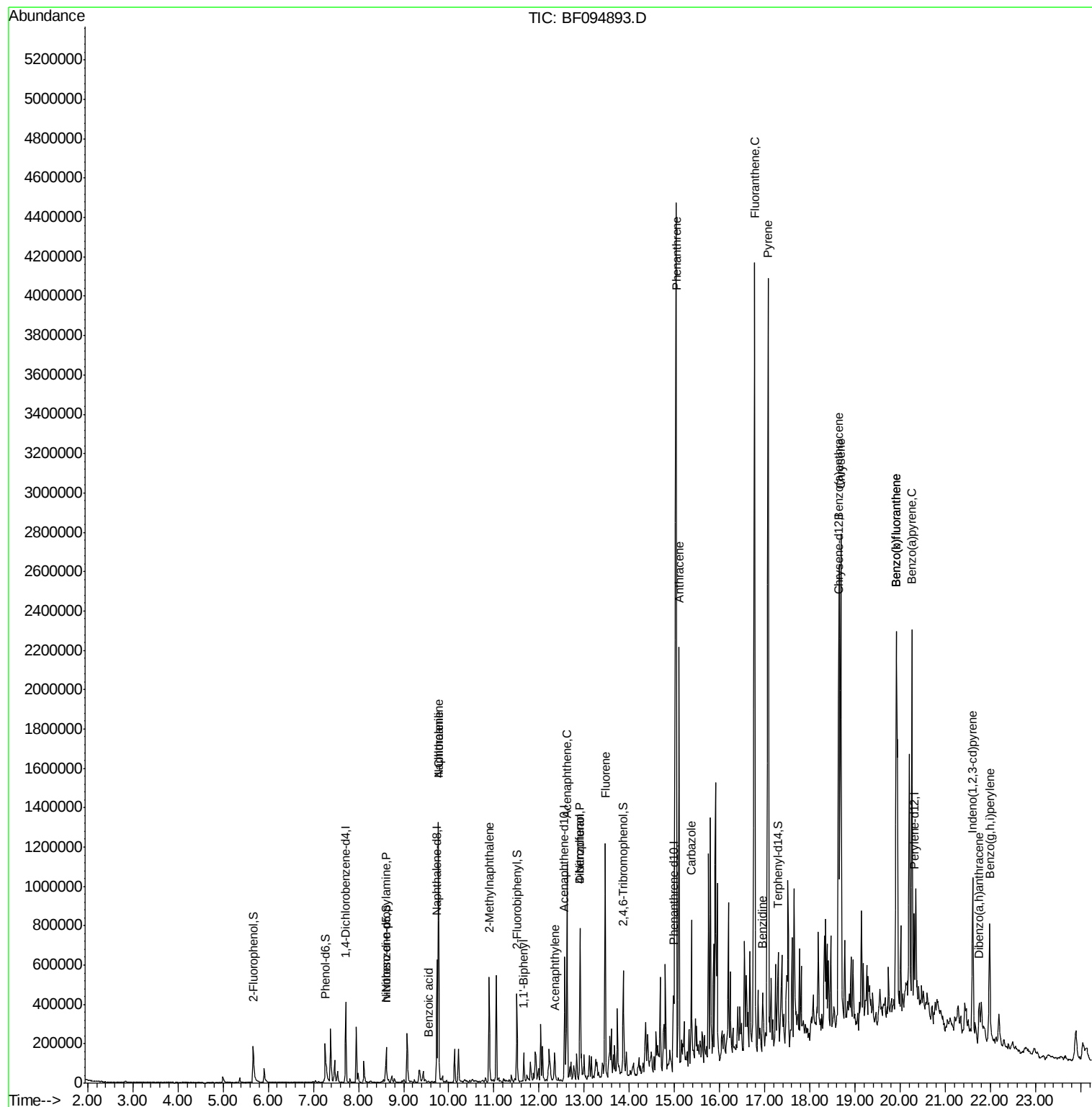
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	8.61	70	11715	2.72	ng	# 73
31) Naphthalene	9.77	128	779886	41.66	ng	99
32) Benzoic acid	9.55	122	3289	5.91	ng	# 31
33) 4-Chloroaniline	9.77	127	104053	14.91	ng	# 34
37) 2-Methylnaphthalene	10.90	142	181865	14.80	ng	97
45) 1,1'-Biphenyl	11.67	154	57281	4.06	ng	97
48) Acenaphthylene	12.34	152	56795	3.18	ng	97
51) Acenaphthene	12.62	154	328984	30.89	ng	99
54) Dibenzofuran	12.91	168	407090	27.62	ng	98
55) 4-Nitrophenol	12.91	139	150316	83.13	ng	# 27
57) Fluorene	13.47	166	406154	31.69	ng	98
70) Phenanthrene	15.04	178	3568319	225.34	ng	100
71) Anthracene	15.11	178	1163557	71.93	ng	98
72) Carbazole	15.38	167	408177	27.73	ng	97
74) Fluoranthene	16.78	202	3187892	196.25	ng	99
76) Benzidine	16.96	184	941	6.75	ng	# 1
77) Pyrene	17.08	202	2707235	197.25	ng	100
80) Benzo(a)anthracene	18.64	228	1393722	130.49	ng	99
82) Chrysene	18.69	228	1219350	118.07	ng	96
85) Indeno(1,2,3-cd)pyrene	21.61	276	473711	56.48	ng	93
87) Benzo(b)fluoranthene	19.92	252	1739904	154.27	ng	98
88) Benzo(k)fluoranthene	19.92	252	1739904	159.93	ng	98
89) Benzo(a)pyrene	20.27	252	936958	90.03	ng	97
90) Dibenzo(a,h)anthracene	21.75	278	108696	12.65	ng	94
91) Benzo(g,h,i)perylene	21.98	276	437604	51.88	ng	97

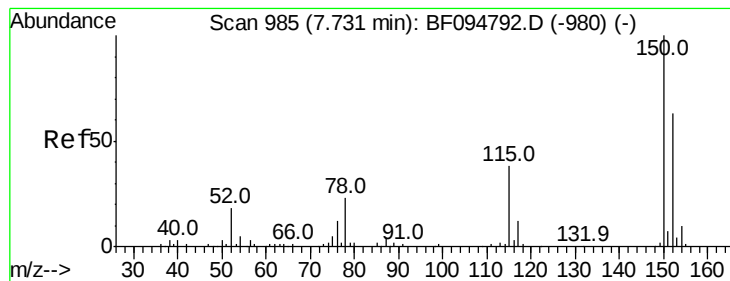
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 03 17:24:51 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.72 min Scan# 983

Delta R.T. -0.01 min

Lab File: BF094893.D

Acq: 5 May 2017 1:27

Instrument :

BNA_F

ClientSampleId :

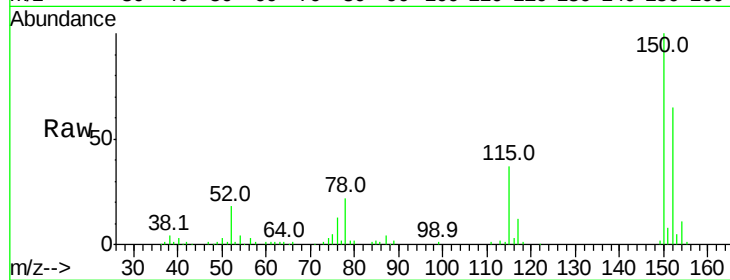
Tot Ion:152 Resp: 88354

Ion Ratio Lower Upper

152 100

150 154.1 126.2 189.2

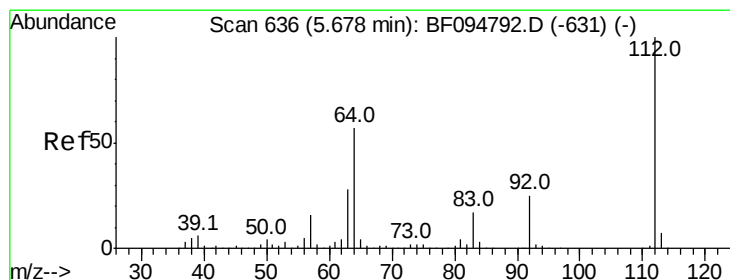
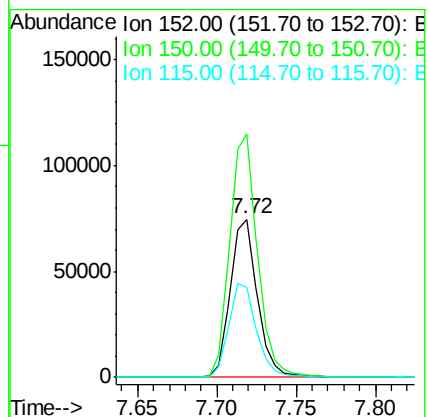
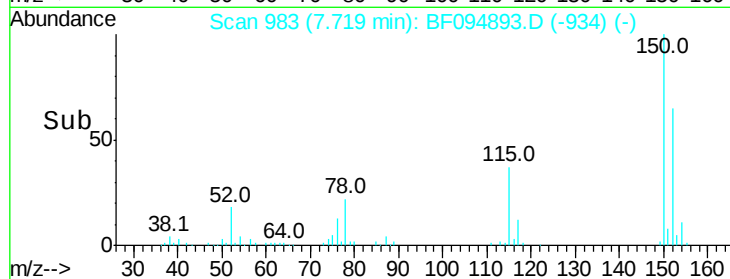
115 57.0 52.2 78.2



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: 23.07 ng

RT: 5.67 min Scan# 634

Delta R.T. -0.01 min

Lab File: BF094893.D

Acq: 5 May 2017 1:27

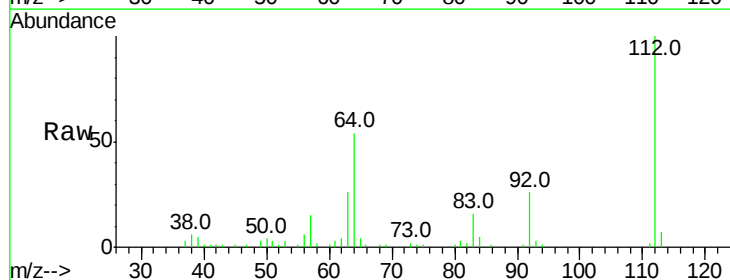
Tgt Ion:112 Resp: 122253

Ion Ratio Lower Upper

112 100

64 54.4 46.0 69.0

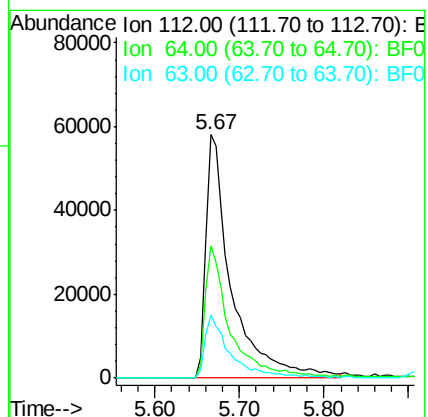
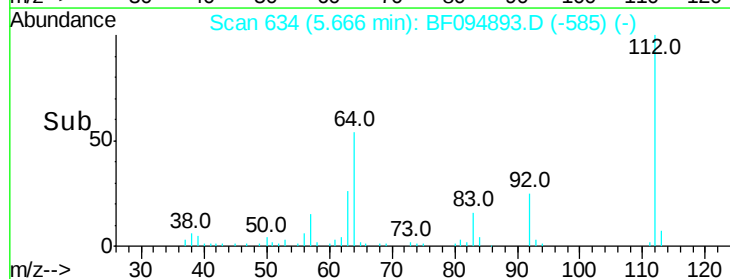
63 26.1 23.4 35.0

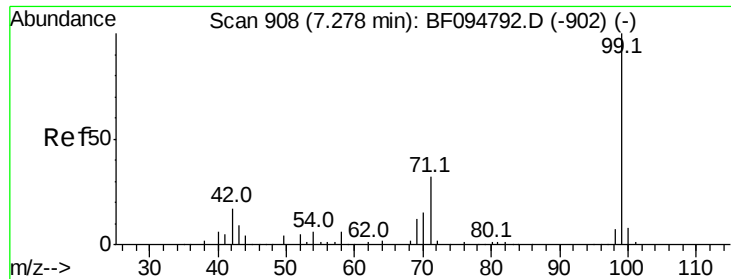


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 24.27 ng

RT: 7.26 min Scan# 905

Delta R.T. -0.02 min

Lab File: BF094893.D

Acq: 5 May 2017 1:27

Instrument :

BNA_F

ClientSampled :

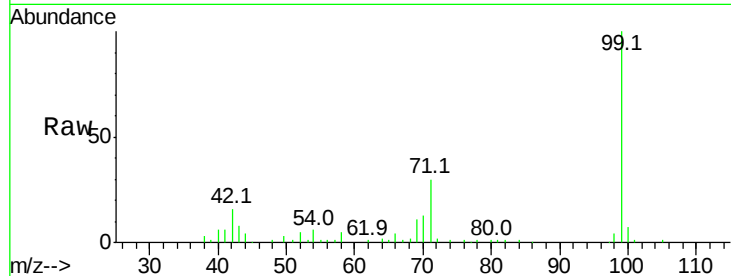
Tot Ion: 99 Resp: 154333

Ion Ratio Lower Upper

99 100

42 15.7 13.5 20.3

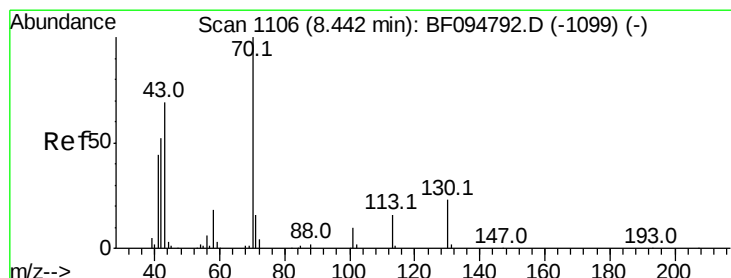
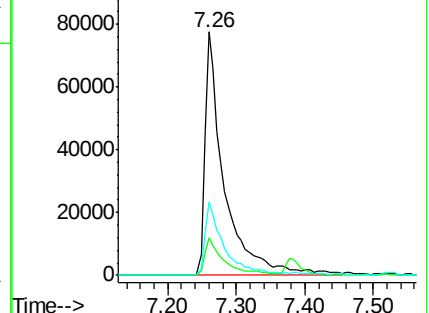
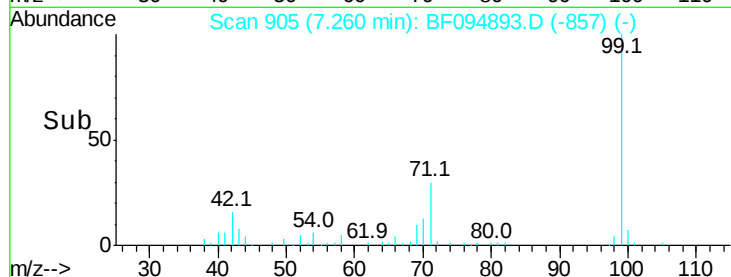
71 29.9 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 2.72 ng

RT: 8.61 min Scan# 1135

Delta R.T. 0.17 min

Lab File: BF094893.D

Acq: 5 May 2017 1:27

Tgt Ion: 70 Resp: 11715

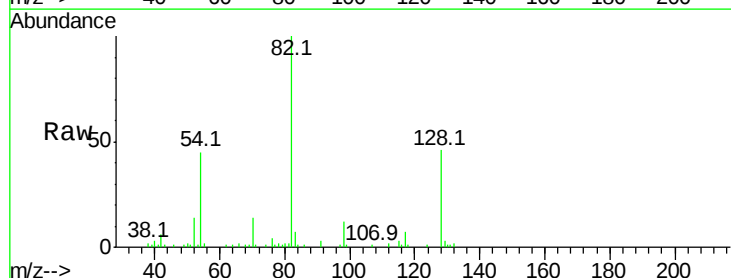
Ion Ratio Lower Upper

70 100

42 40.3 47.2 70.8#

101 0.0 7.2 10.8#

130 4.6 15.9 23.9#

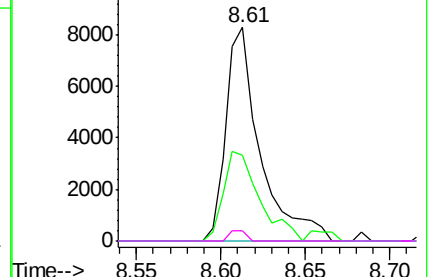
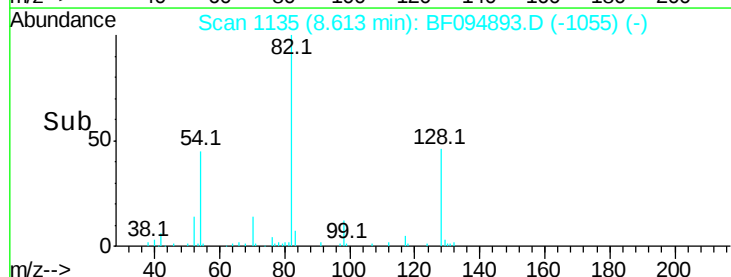


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

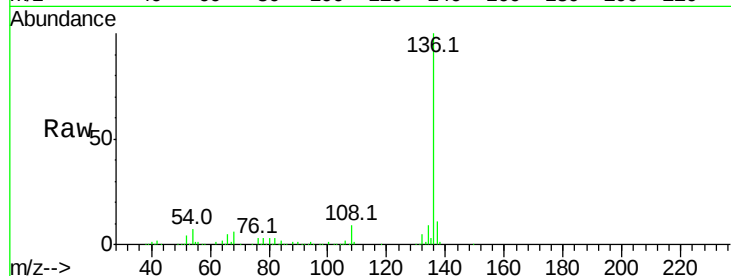




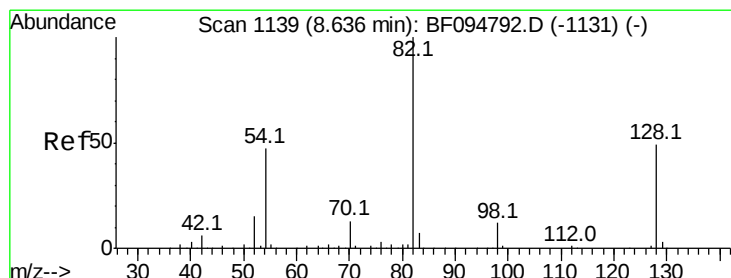
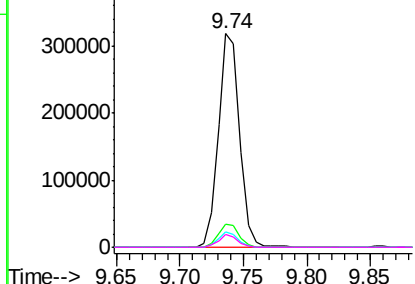
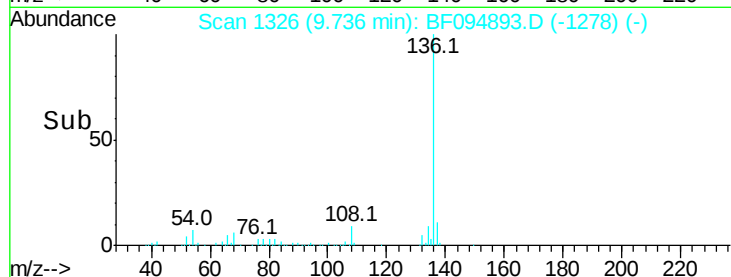
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.74 min Scan# 1326
Delta R.T. -0.02 min
Lab File: BF094893.D
Acq: 5 May 2017 1:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	372487
Ion Ratio	Lower	Upper
136	100	
137	10.6	8.5 12.7
54	7.4	4.9 7.3#
68	5.8	4.1 6.1

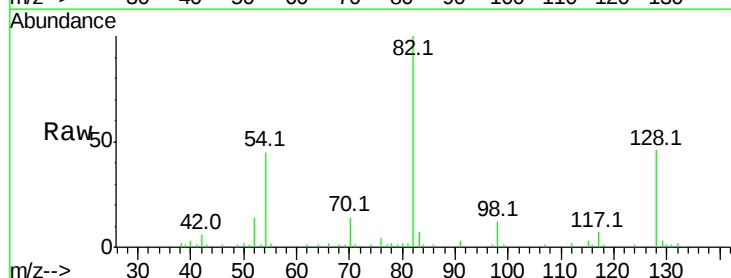


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

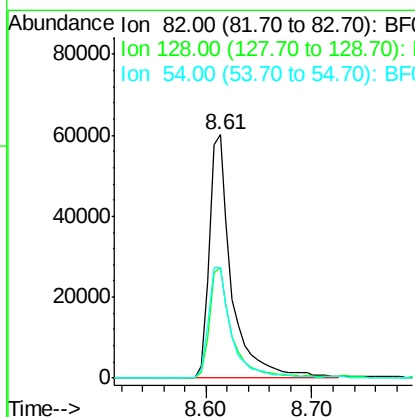
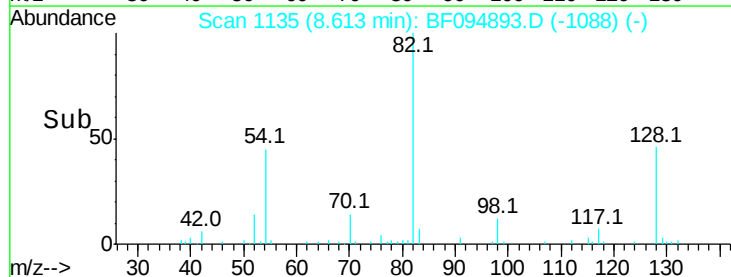


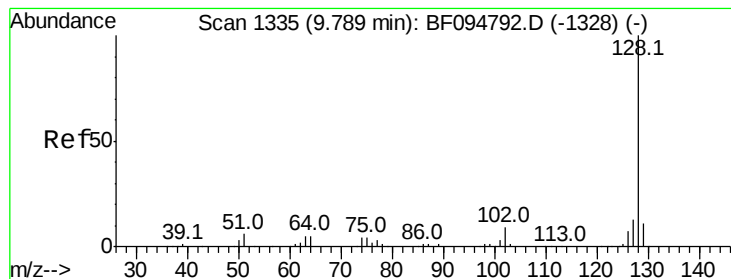
#23
Nitrobenzene-d5
Concen: 15.16 ng
RT: 8.61 min Scan# 1135
Delta R.T. -0.02 min
Lab File: BF094893.D
Acq: 5 May 2017 1:27

Tgt Ion: 82	Resp:	89539
Ion Ratio	Lower	Upper
82	100	
128	45.5	34.0 51.0
54	45.4	42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 41.66 ng

RT: 9.77 min Scan# 1332

Delta R.T. -0.02 min

Lab File: BF094893.D

Acq: 5 May 2017 1:27

Instrument :

BNA_F

ClientSampleId :

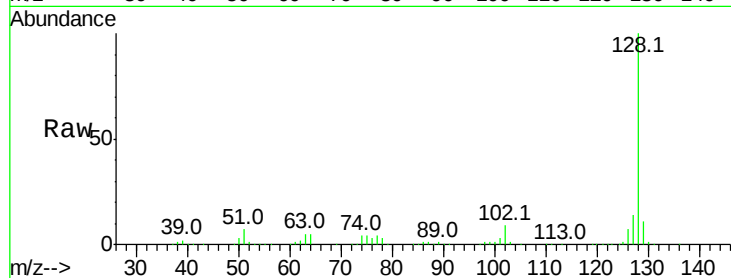
Tot Ion:128 Resp: 779886

Ion Ratio Lower Upper

128 100

129 11.4 9.0 13.6

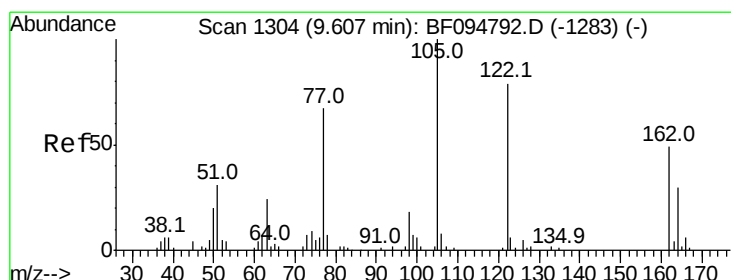
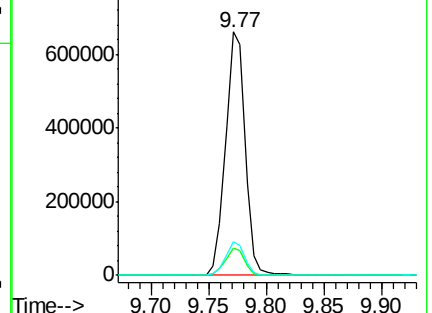
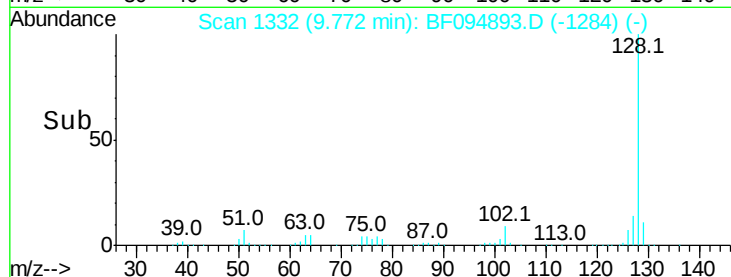
127 14.0 10.8 16.2



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



#32

Benzoic acid

Concen: 5.91 ng

RT: 9.55 min Scan# 1295

Delta R.T. -0.05 min

Lab File: BF094893.D

Acq: 5 May 2017 1:27

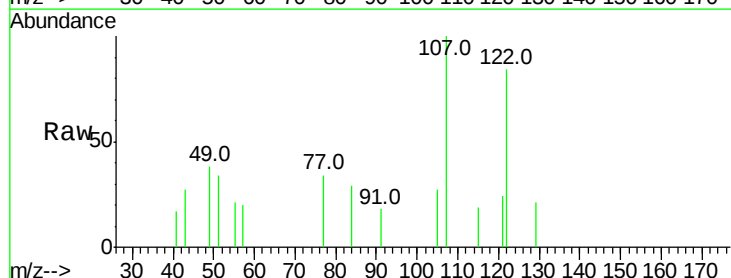
Tgt Ion:122 Resp: 3289

Ion Ratio Lower Upper

122 100

105 32.7 103.3 143.3#

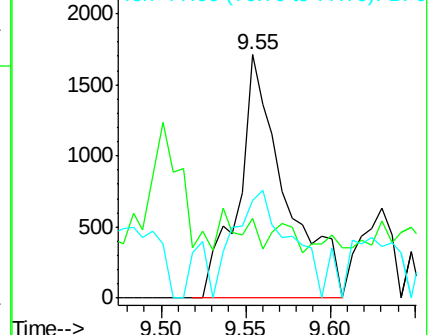
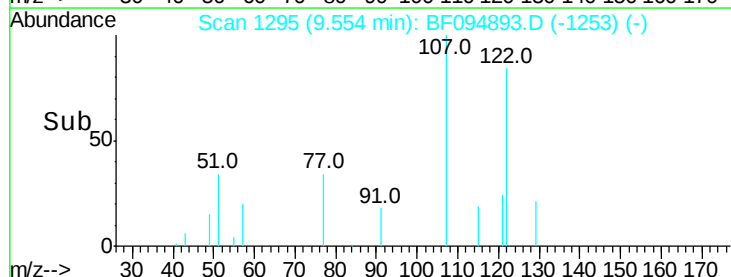
77 40.4 73.7 113.7#

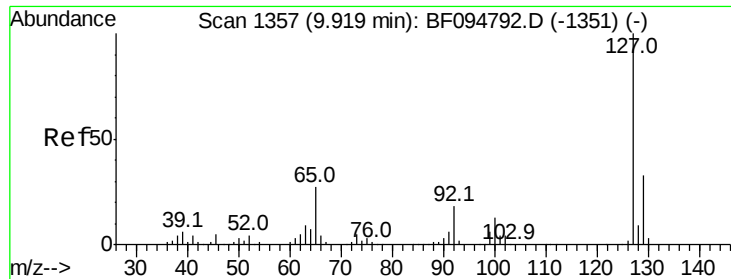


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

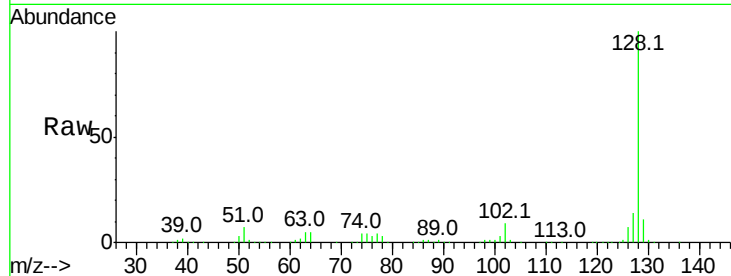




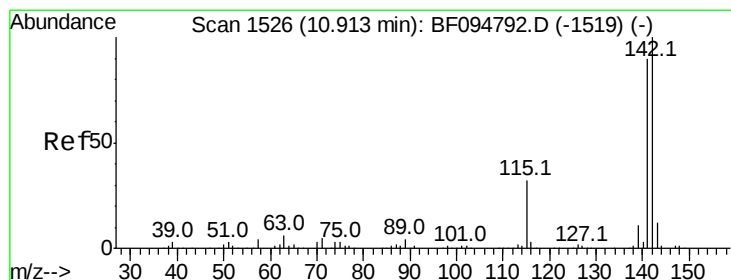
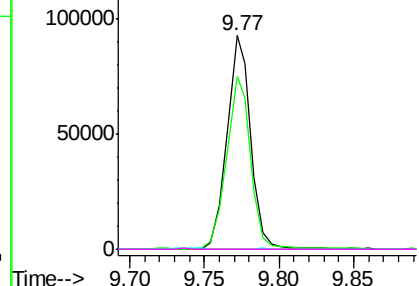
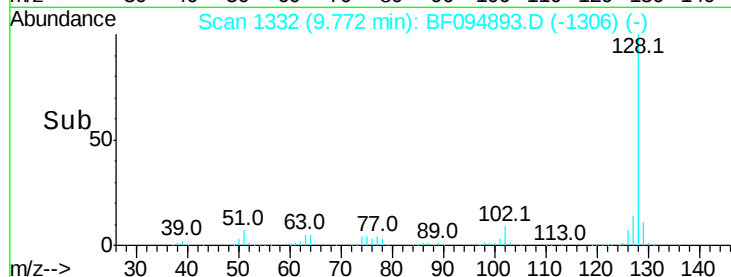
#33
 4-Chloroaniline
 Concen: 14.91 ng
 RT: 9.77 min Scan# 1332
 Delta R.T. -0.15 min
 Lab File: BF094893.D
 Acq: 5 May 2017 1:27

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
127	100		
129	81.0	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#

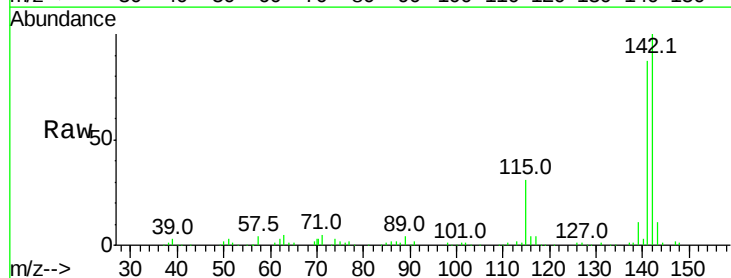


Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0

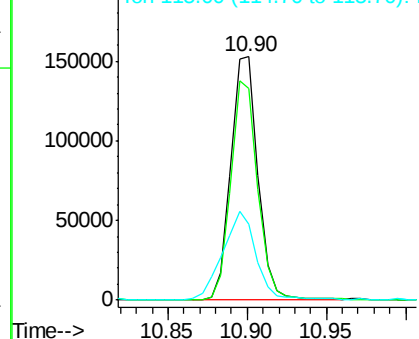
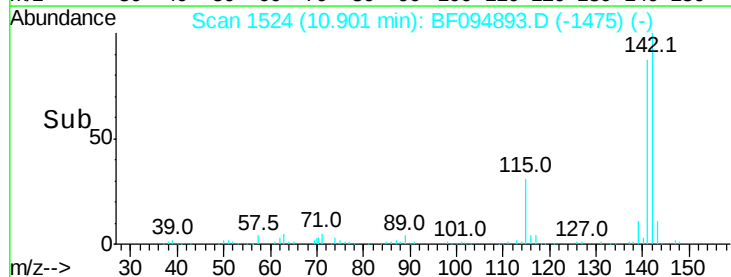


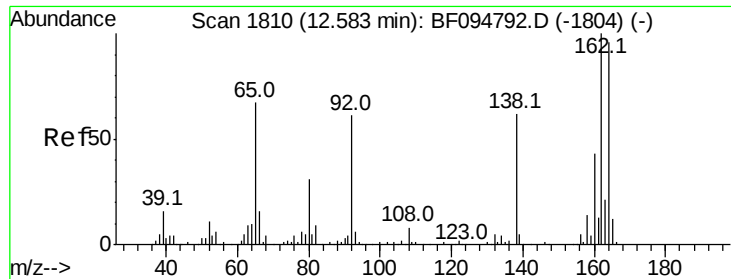
#37
 2-Methylnaphthalene
 Concen: 14.80 ng
 RT: 10.90 min Scan# 1524
 Delta R.T. -0.01 min
 Lab File: BF094893.D
 Acq: 5 May 2017 1:27

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.1	71.3	106.9
115	31.2	27.1	40.7



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

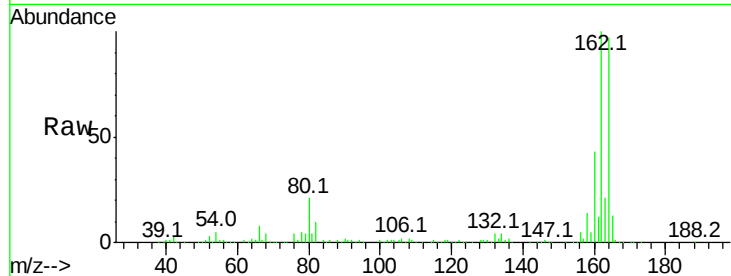




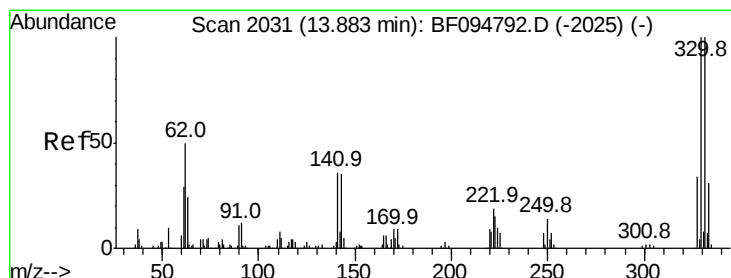
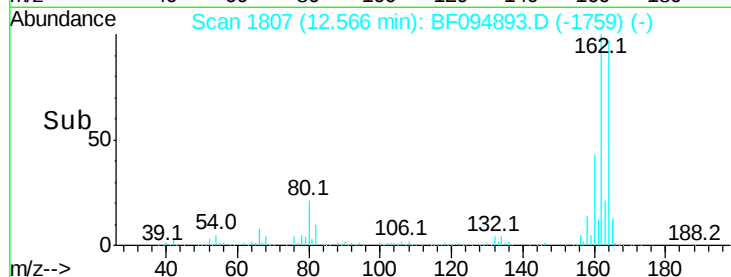
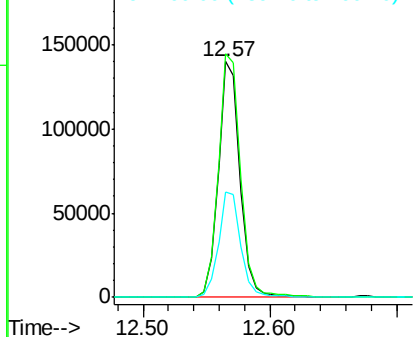
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.57 min Scan# 1807
Delta R.T. -0.02 min
Lab File: BF094893.D
Acq: 5 May 2017 1:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 167475
Ion Ratio Lower Upper
164 100
162 103.3 82.6 123.8
160 44.9 36.2 54.2

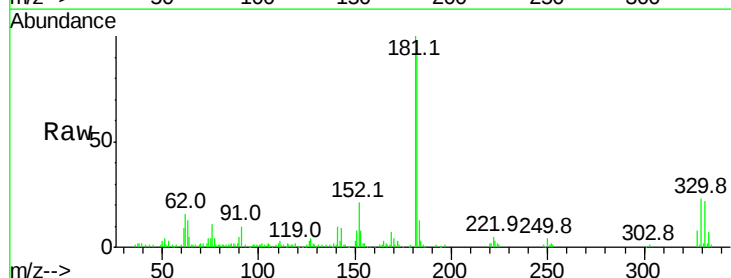


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

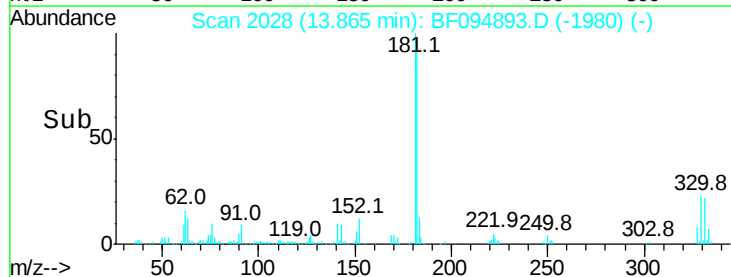
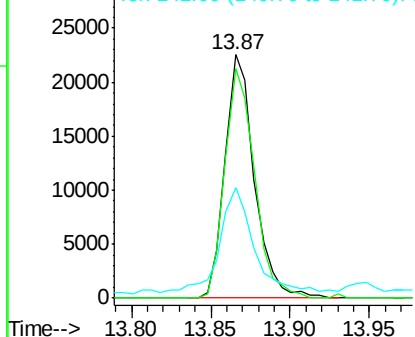


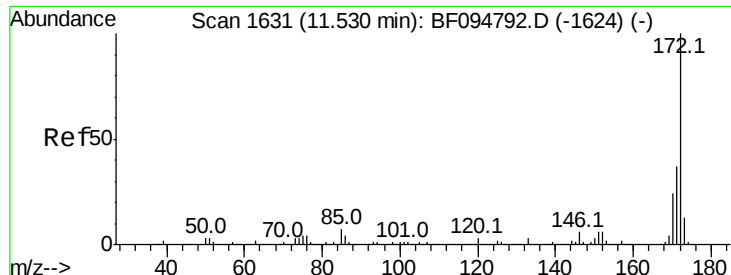
#41
2,4,6-Tribromophenol
Concen: 21.22 ng
RT: 13.87 min Scan# 2028
Delta R.T. -0.02 min
Lab File: BF094893.D
Acq: 5 May 2017 1:27

Tgt Ion:330 Resp: 29111
Ion Ratio Lower Upper
330 100
332 95.5 76.6 115.0
141 47.8 31.4 47.2#



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

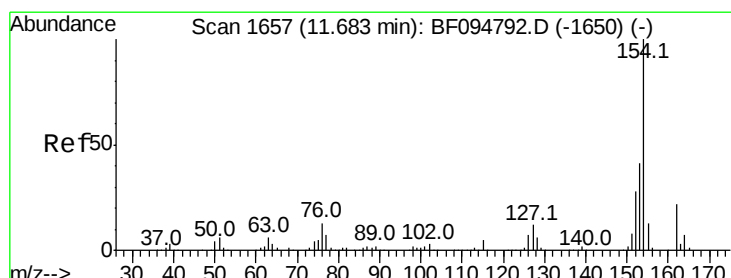
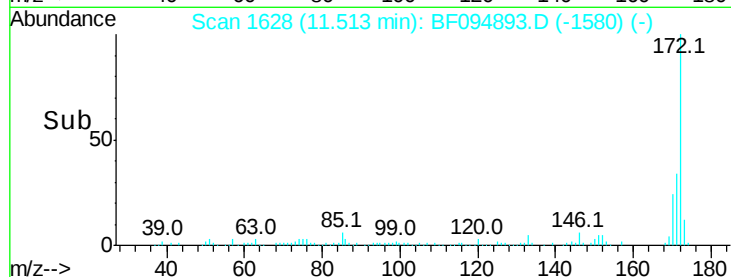
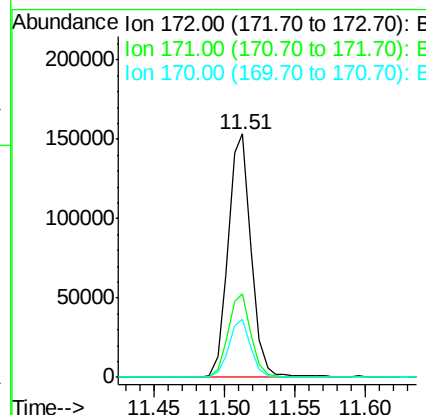
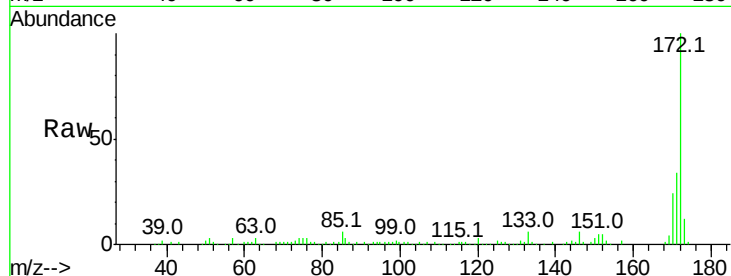




#44
 2-Fluorobiphenyl
 Concen: 14.87 ng
 RT: 11.51 min Scan# 1628
 Delta R.T. -0.02 min
 Lab File: BF094893.D
 Acq: 5 May 2017 1:27

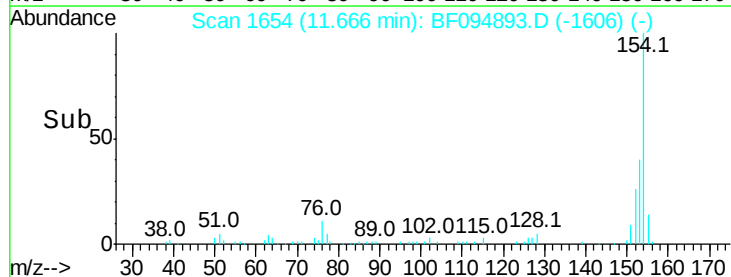
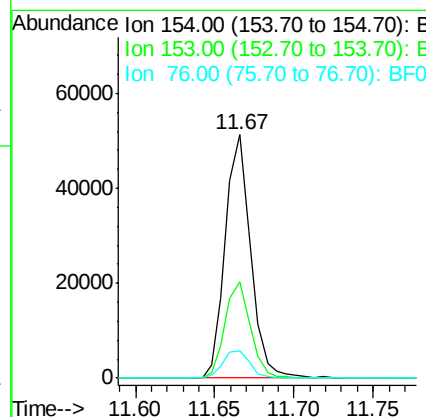
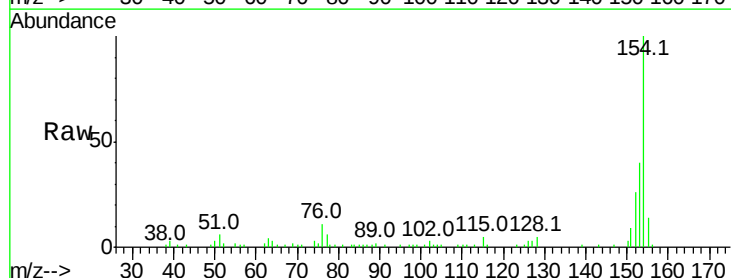
Instrument :
 BNA_F
 ClientSampleId :

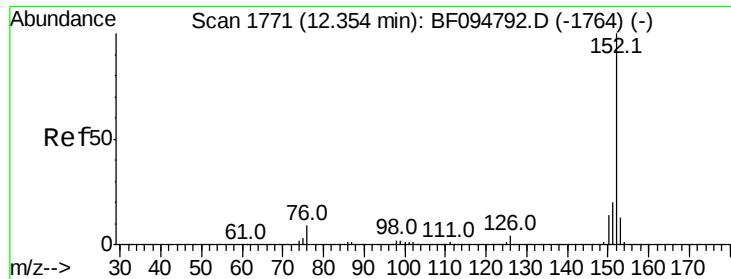
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.6	44.4
170	23.6	19.8	29.8



#45
 1,1'-Biphenyl
 Concen: 4.06 ng
 RT: 11.67 min Scan# 1654
 Delta R.T. -0.02 min
 Lab File: BF094893.D
 Acq: 5 May 2017 1:27

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.8	21.2	61.2
76	11.4	0.0	29.9





#48

Acenaphthylene

Concen: 3.18 ng

RT: 12.34 min Scan# 1768

Delta R.T. -0.02 min

Lab File: BF094893.D

Acq: 5 May 2017 1:27

Instrument :

BNA_F

ClientSampleId :

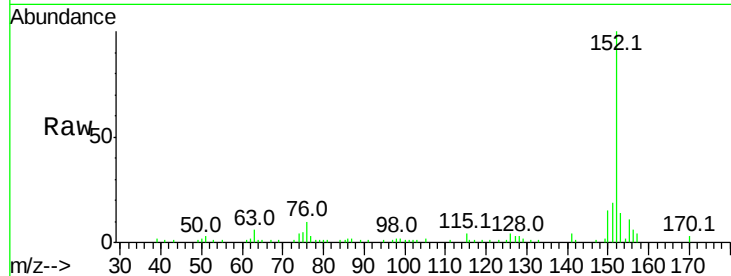
Tot Ion:152 Resp: 56795

Ion Ratio Lower Upper

152 100

151 19.1 16.8 25.2

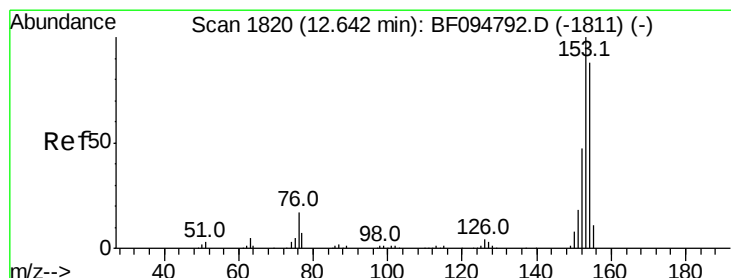
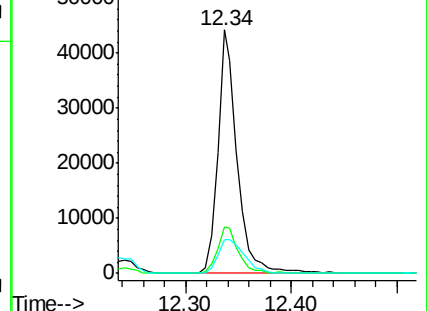
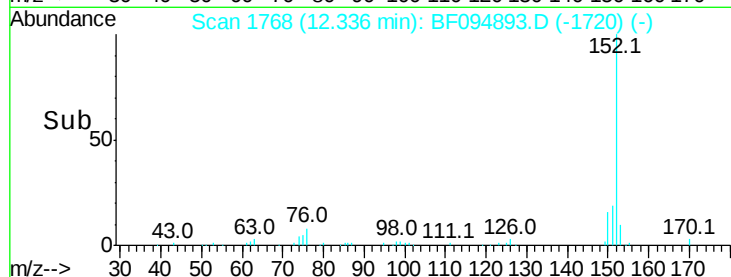
153 14.0 10.8 16.2



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



#51

Acenaphthene

Concen: 30.89 ng

RT: 12.62 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF094893.D

Acq: 5 May 2017 1:27

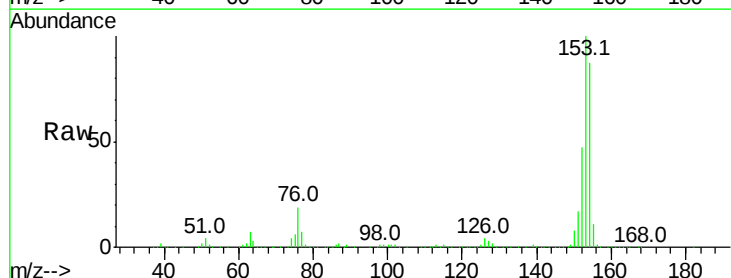
Tgt Ion:154 Resp: 328984

Ion Ratio Lower Upper

154 100

153 114.8 90.5 135.7

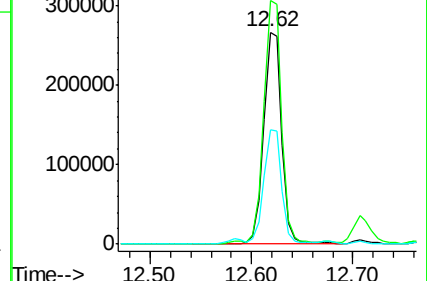
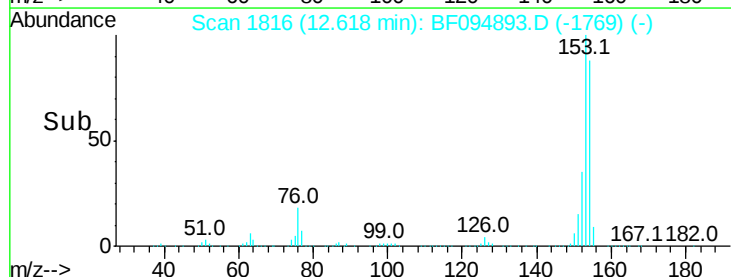
152 53.7 43.6 65.4

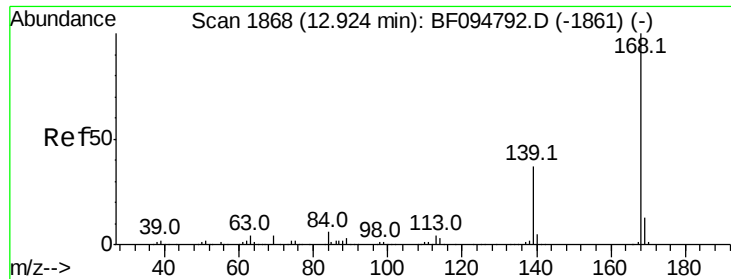


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzofuran

Concen: 27.62 ng

RT: 12.91 min Scan# 1865

Delta R.T. -0.02 min

Lab File: BF094893.D

Acq: 5 May 2017 1:27

Instrument :

BNA_F

ClientSampled :

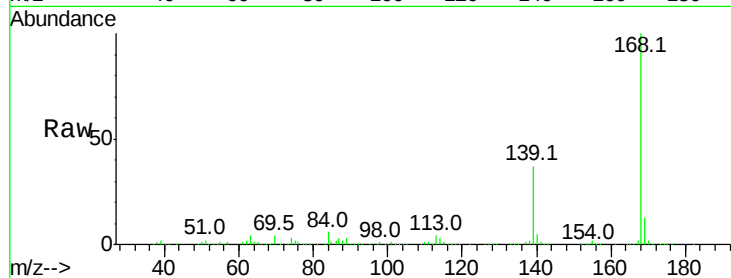
Tot Ion:168 Resp: 407090

Ion Ratio Lower Upper

168 100

139 36.6 30.6 45.8

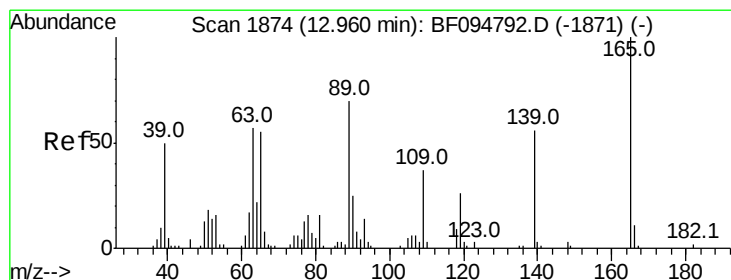
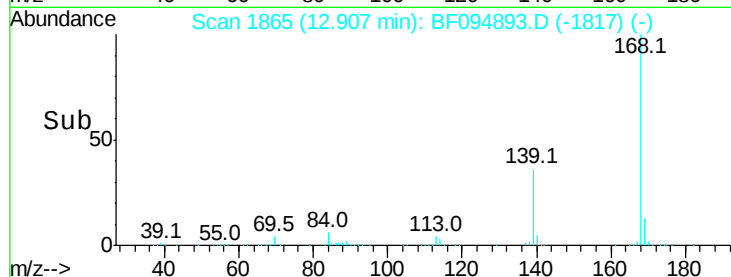
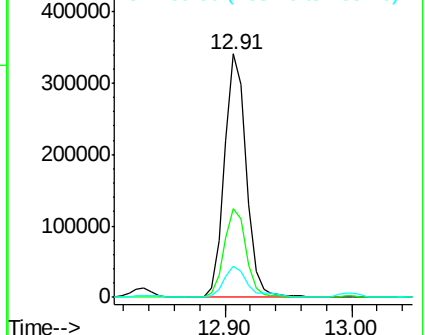
169 13.0 10.8 16.2



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: 83.13 ng

RT: 12.91 min Scan# 1865

Delta R.T. -0.05 min

Lab File: BF094893.D

Acq: 5 May 2017 1:27

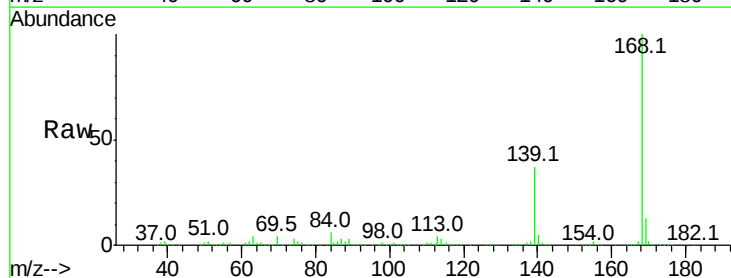
Tgt Ion:139 Resp: 150316

Ion Ratio Lower Upper

139 100

109 0.7 34.1 74.1#

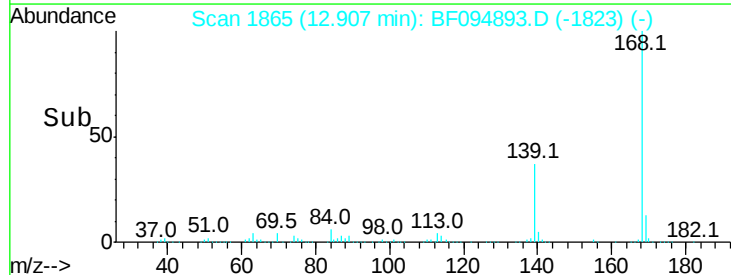
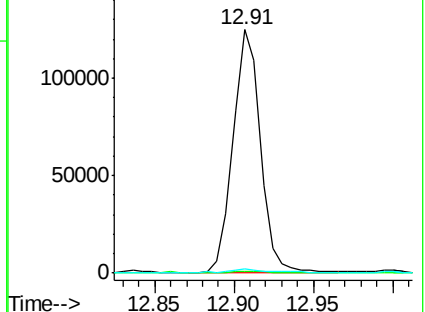
65 1.8 31.4 71.4#

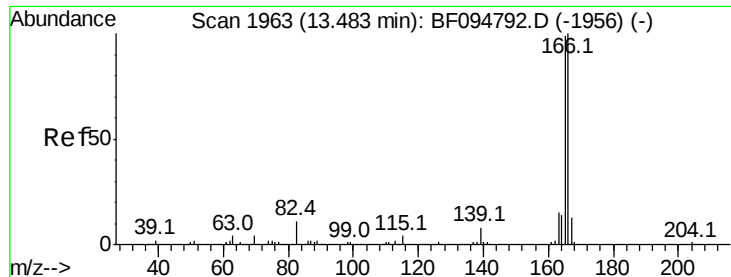


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

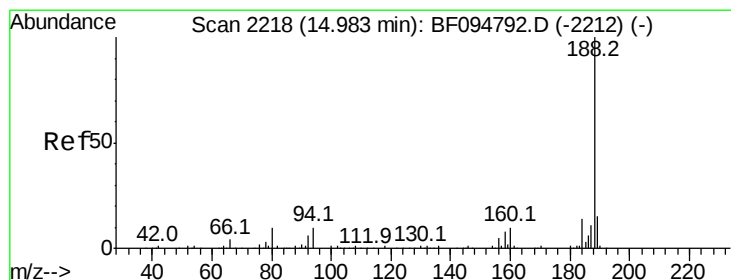
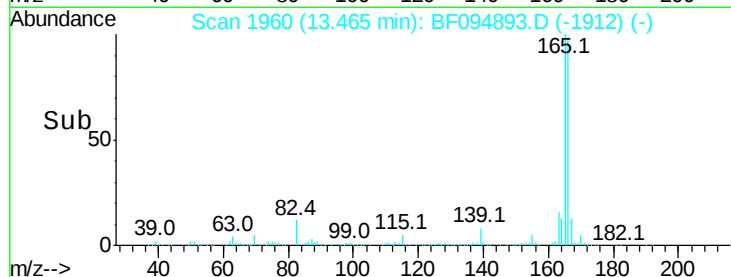
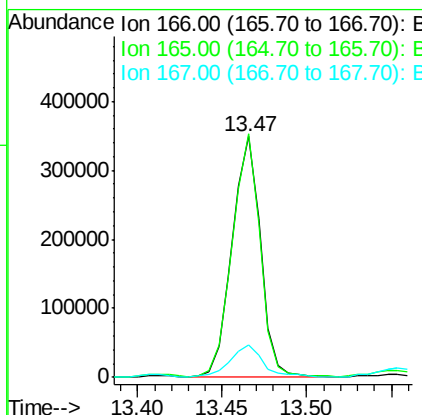
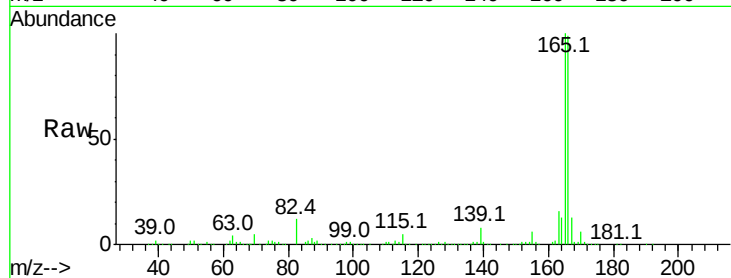




#57
Fluorene
 Concen: 31.69 ng
 RT: 13.47 min Scan# 1960
 Delta R.T. -0.02 min
 Lab File: BF094893.D
 Acq: 5 May 2017 1:27

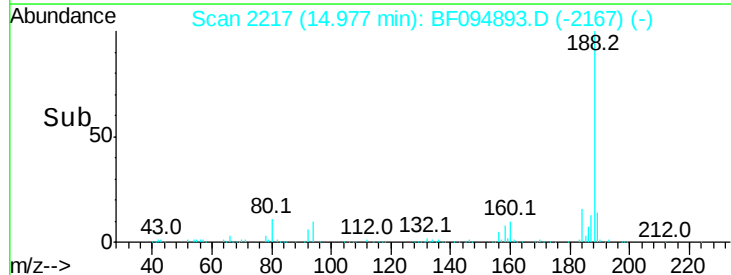
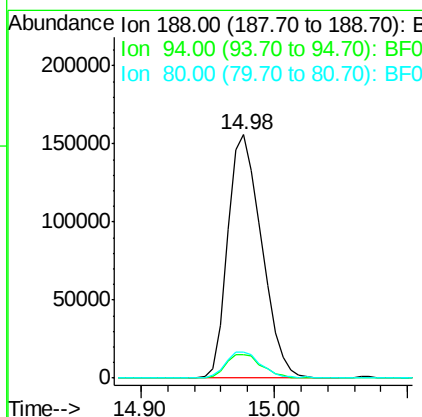
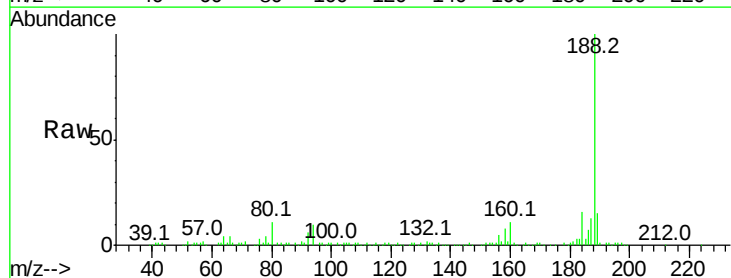
Instrument :
 BNA_F
 ClientSampled :

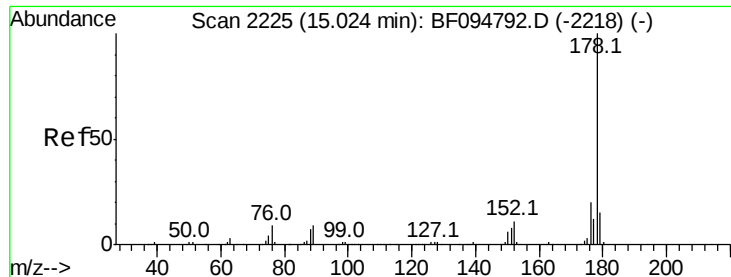
Tot Ion	Ratio	Lower	Upper
166	100		
165	101.1	78.8	118.2
167	13.3	10.6	16.0



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.98 min Scan# 2217
 Delta R.T. -0.01 min
 Lab File: BF094893.D
 Acq: 5 May 2017 1:27

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	9.4	14.2
80	10.8	10.2	15.2

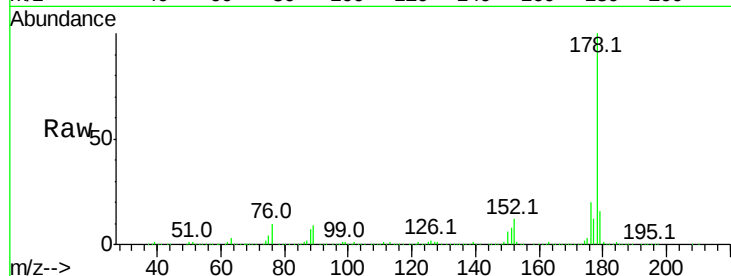




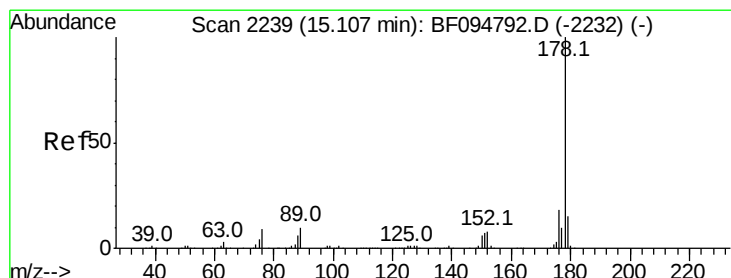
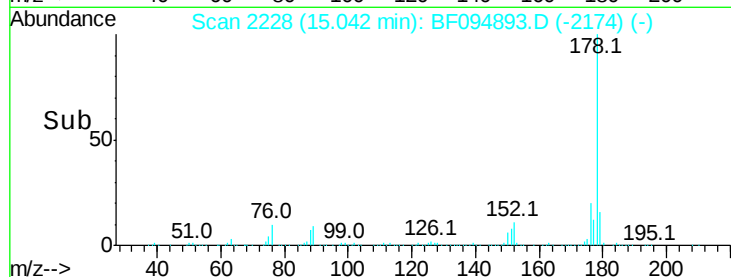
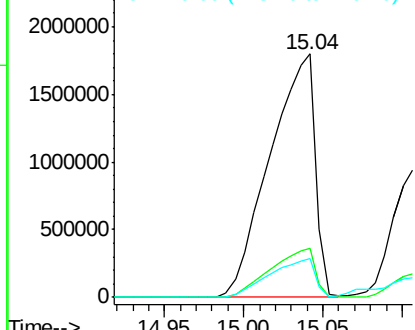
#70
Phenanthrene
Concen: 225.34 ng
RT: 15.04 min Scan# 2228
Delta R.T. 0.02 min
Lab File: BF094893.D
Acq: 5 May 2017 1:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 3568319
Ion Ratio Lower Upper
178 100
176 20.2 16.2 24.4
179 15.8 12.6 19.0

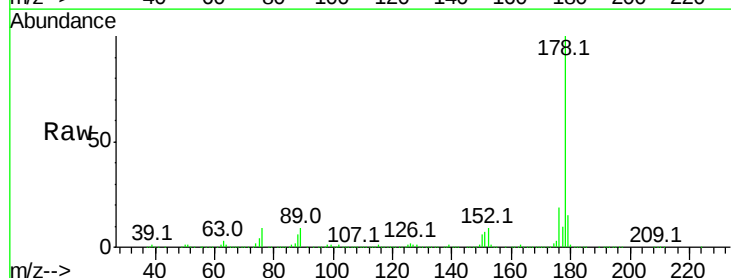


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

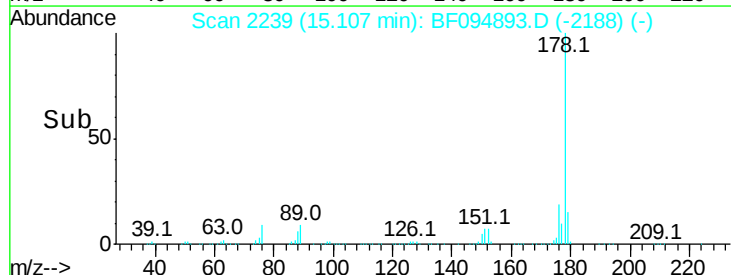
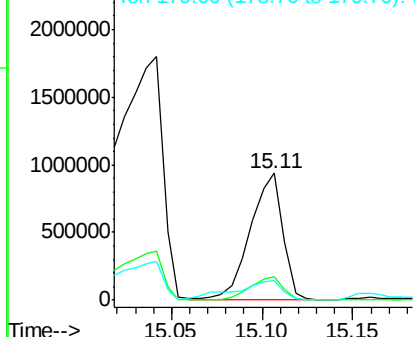


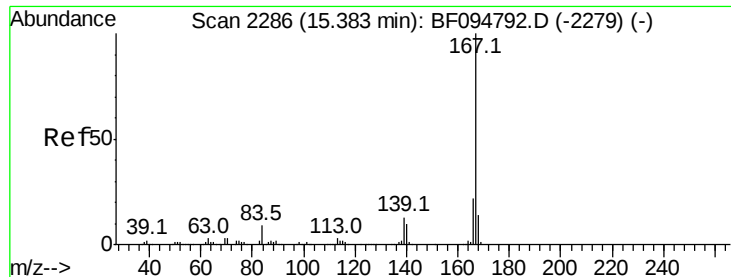
#71
Anthracene
Concen: 71.93 ng
RT: 15.11 min Scan# 2239
Delta R.T. 0.00 min
Lab File: BF094893.D
Acq: 5 May 2017 1:27

Tgt Ion:178 Resp: 1163557
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 15.3 12.7 19.1



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: 27.73 ng

RT: 15.38 min Scan# 2285

Delta R.T. -0.01 min

Lab File: BF094893.D

Acq: 5 May 2017 1:27

Instrument :

BNA_F

ClientSampleId :

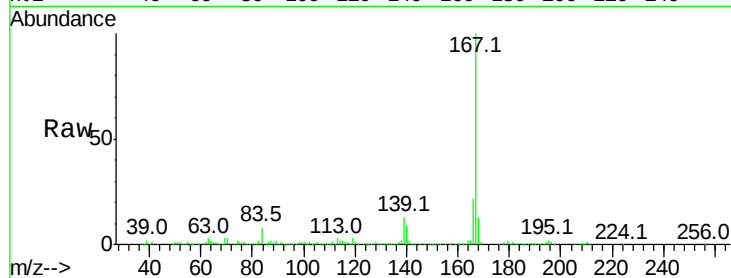
Tot Ion:167 Resp: 408177

Ion Ratio Lower Upper

167 100

166 21.6 18.1 27.1

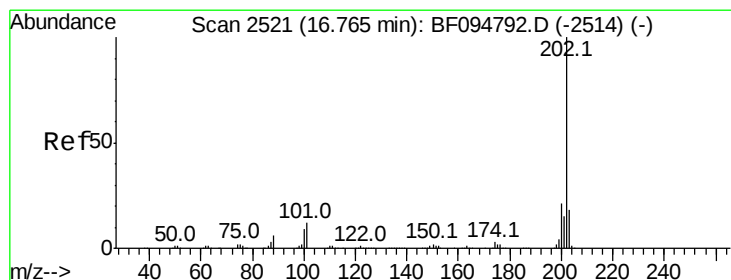
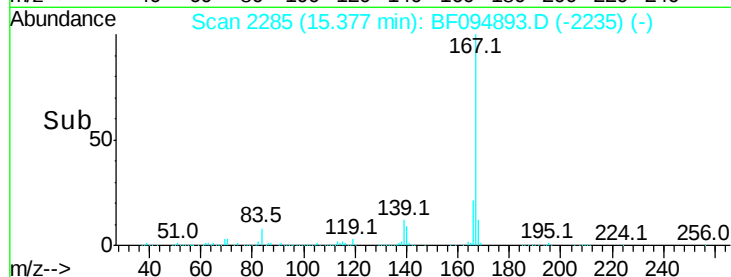
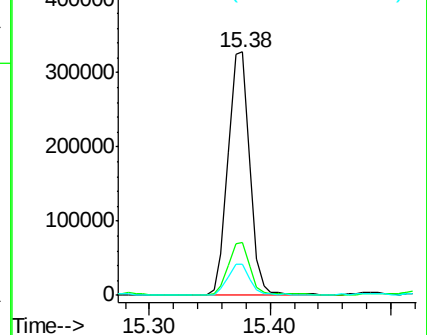
139 12.9 11.7 17.5



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: 196.25 ng

RT: 16.78 min Scan# 2524

Delta R.T. 0.02 min

Lab File: BF094893.D

Acq: 5 May 2017 1:27

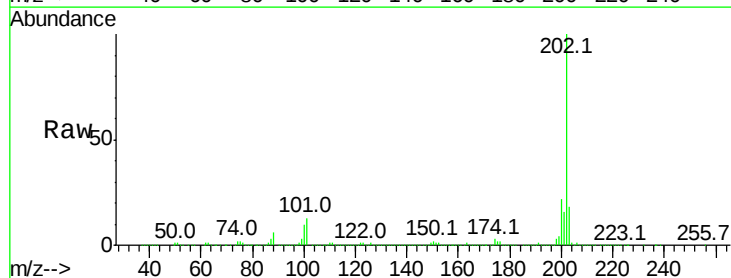
Tgt Ion:202 Resp: 3187892

Ion Ratio Lower Upper

202 100

101 13.2 0.0 33.2

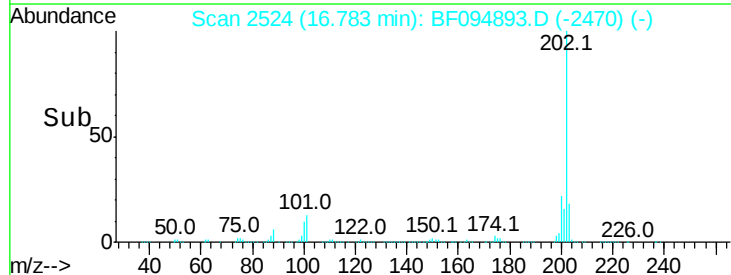
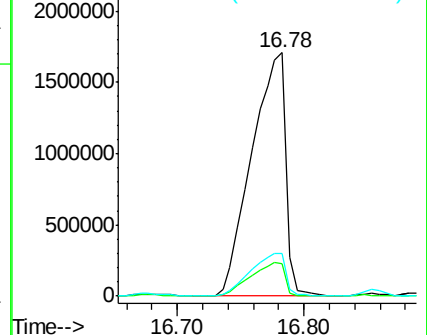
203 17.6 0.0 38.1

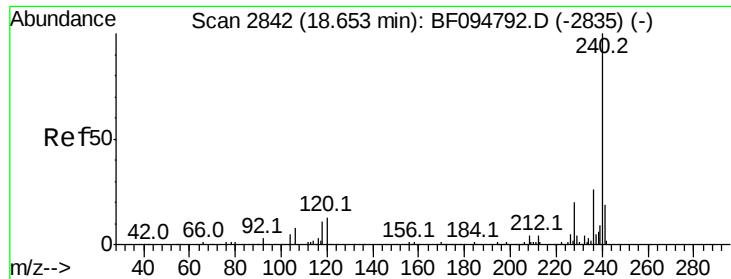


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.65 min Scan# 2842

Delta R.T. 0.00 min

Lab File: BF094893.D

Acq: 5 May 2017 1:27

Instrument :

BNA_F

ClientSampleId :

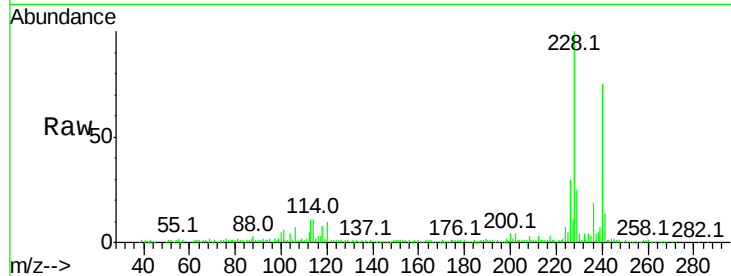
Tot Ion:240 Resp: 183517

Ion Ratio Lower Upper

240 100

120 12.9 5.8 8.8#

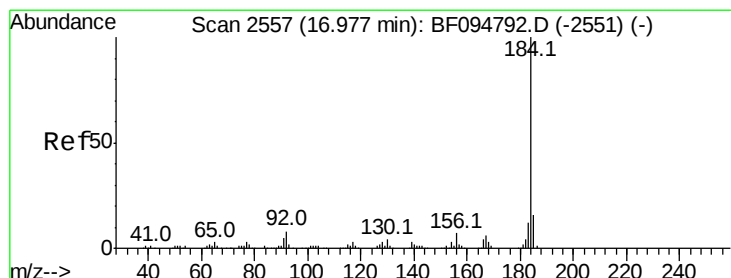
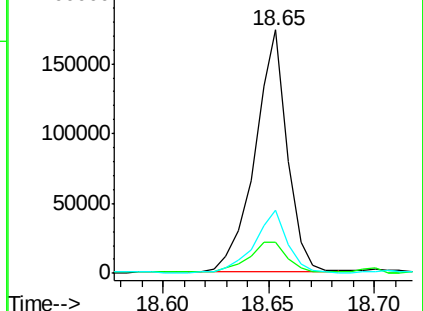
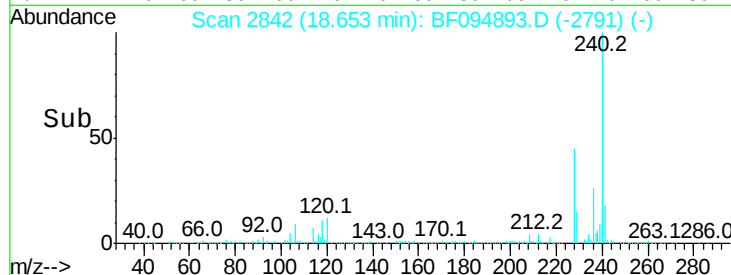
236 25.9 20.5 30.7



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



#76

Benzidine

Concen: 6.75 ng

RT: 16.96 min Scan# 2554

Delta R.T. -0.02 min

Lab File: BF094893.D

Acq: 5 May 2017 1:27

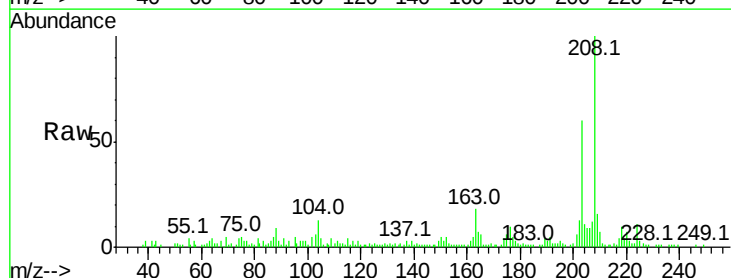
Tgt Ion:184 Resp: 941

Ion Ratio Lower Upper

184 100

185 104.9 15.5 23.3#

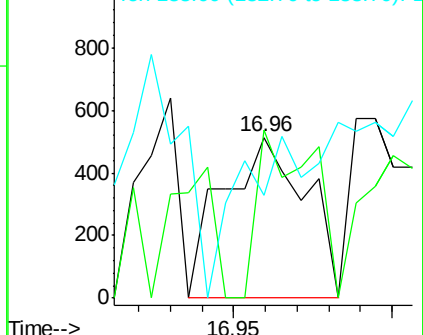
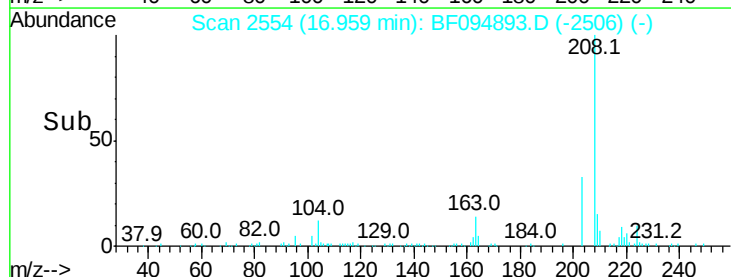
183 64.0 9.8 14.6#

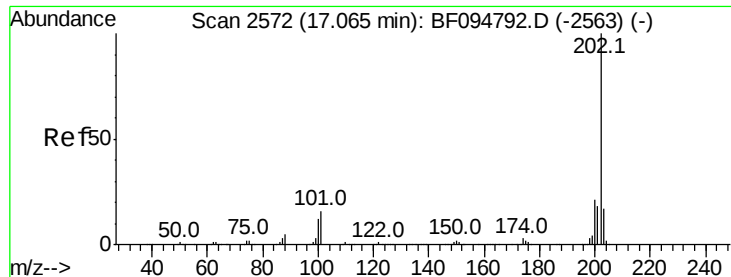


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 197.25 ng

RT: 17.08 min Scan# 2575

Delta R.T. 0.02 min

Lab File: BF094893.D

Acq: 5 May 2017 1:27

Instrument :

BNA_F

ClientSampleId :

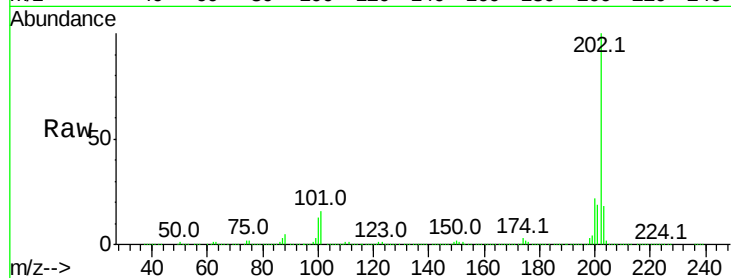
Tot Ion:202 Resp: 2707235

Ion Ratio Lower Upper

202 100

200 22.2 17.6 26.4

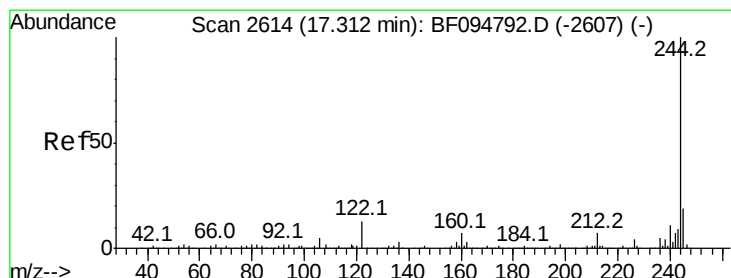
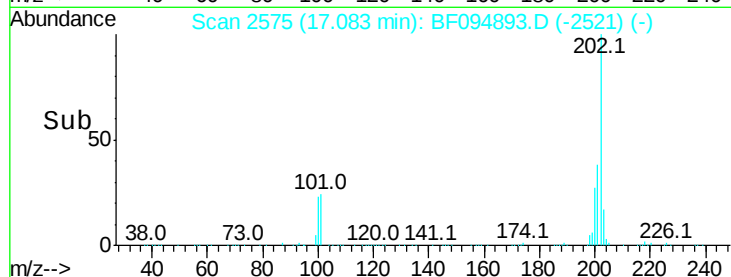
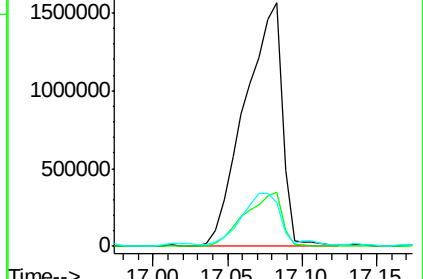
203 18.0 14.4 21.6



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: 13.73 ng

RT: 17.29 min Scan# 2611

Delta R.T. -0.02 min

Lab File: BF094893.D

Acq: 5 May 2017 1:27

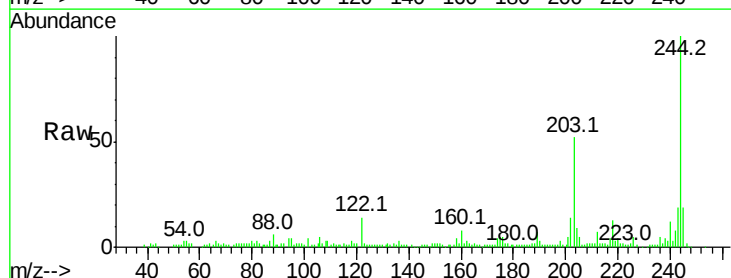
Tgt Ion:244 Resp: 114432

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

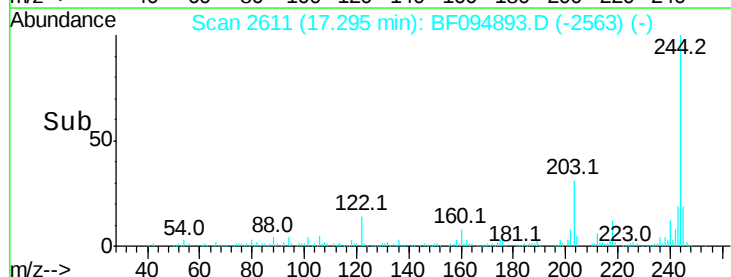
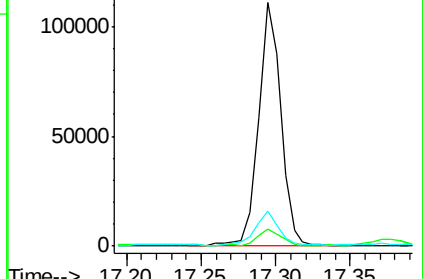
122 14.3 10.3 15.5

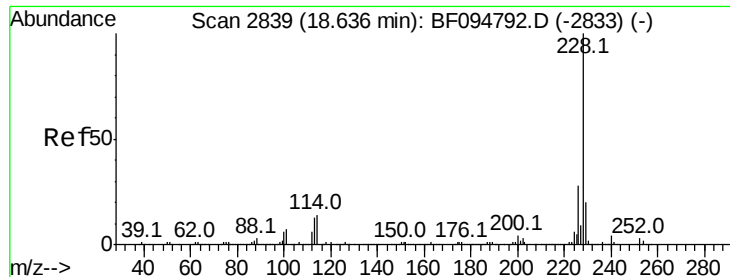


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

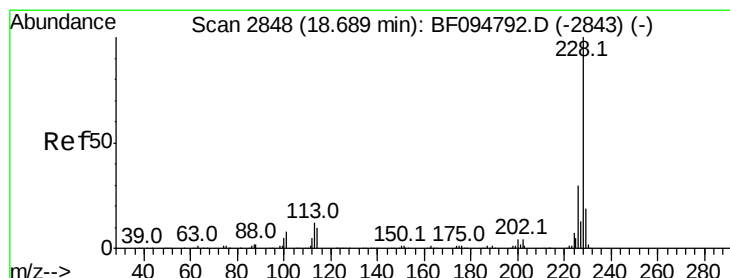
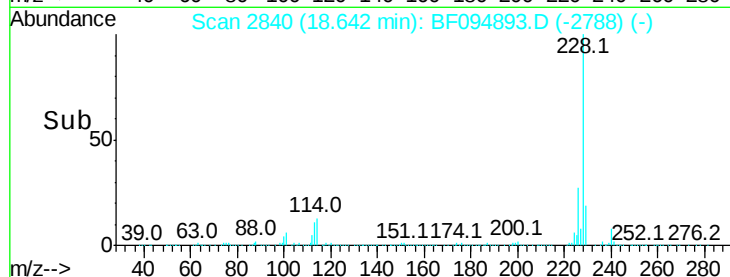
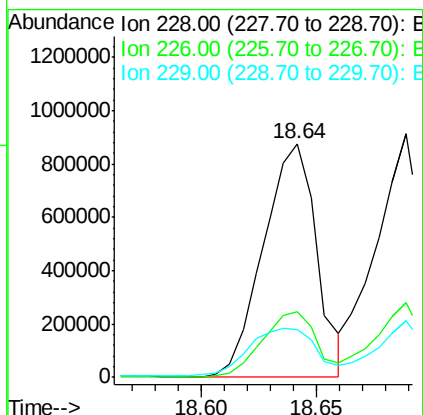
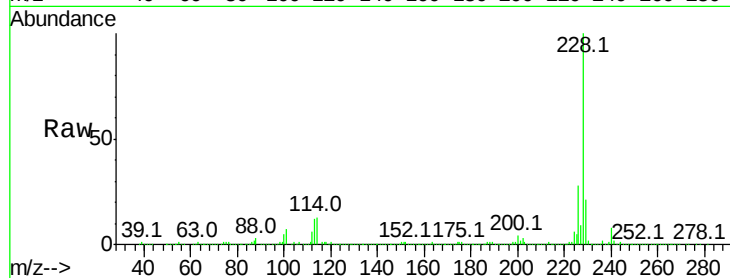




#80
Benzo(a)anthracene
Concen: 130.49 ng
RT: 18.64 min Scan# 2840
Delta R.T. 0.01 min
Lab File: BF094893.D
Acq: 5 May 2017 1:27

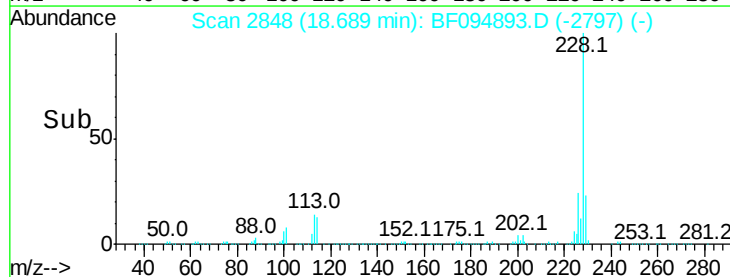
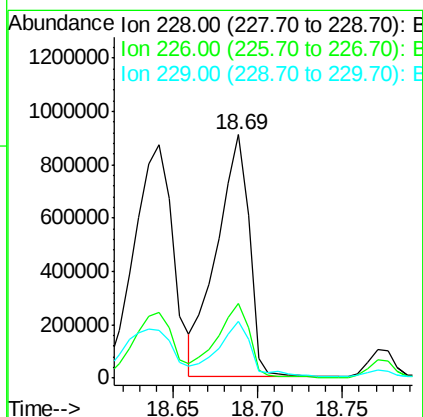
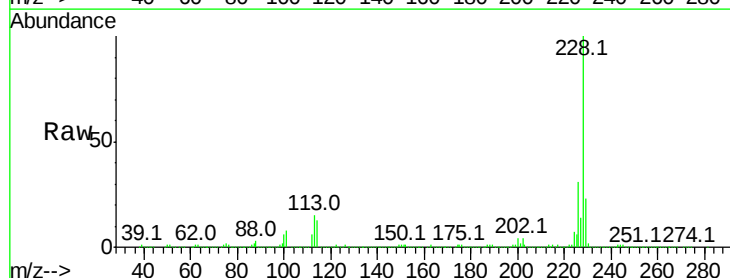
Instrument :
BNA_F
ClientSampleId :

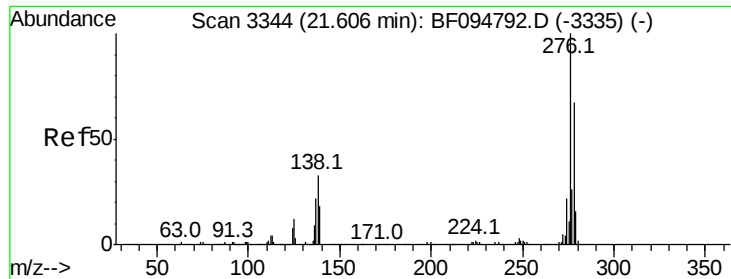
Tot Ion:228 Resp: 1393722
Ion Ratio Lower Upper
228 100
226 27.9 22.6 33.8
229 20.7 16.3 24.5



#82
Chrysene
Concen: 118.07 ng
RT: 18.69 min Scan# 2848
Delta R.T. 0.00 min
Lab File: BF094893.D
Acq: 5 May 2017 1:27

Tgt Ion:228 Resp: 1219350
Ion Ratio Lower Upper
228 100
226 30.5 24.9 37.3
229 23.2 15.8 23.6

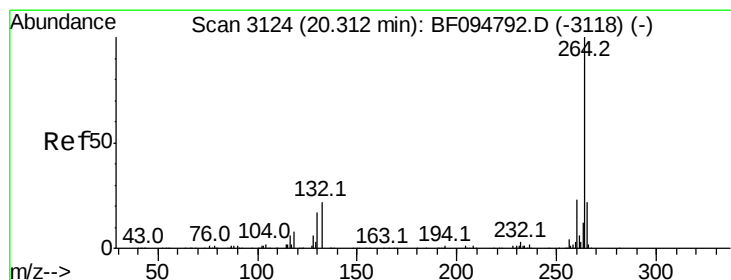
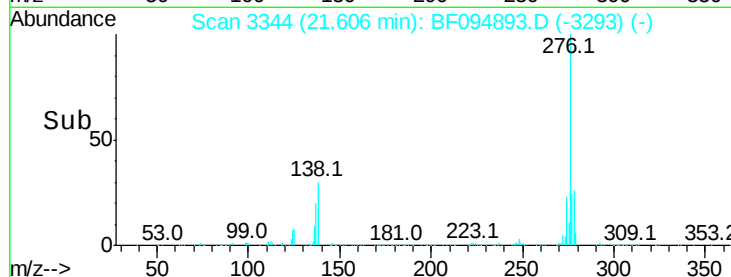
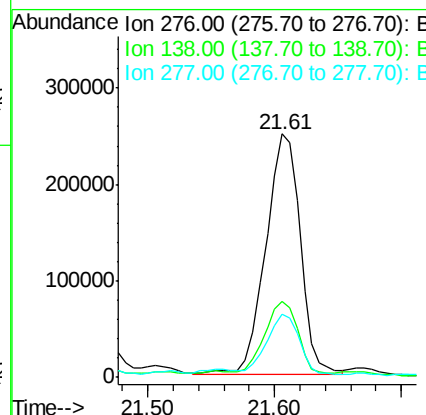
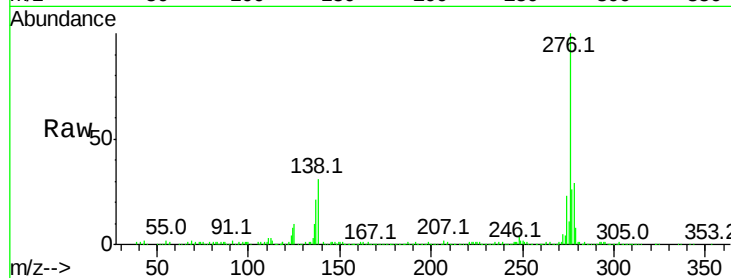




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 56.48 ng
 RT: 21.61 min Scan# 3344
 Delta R.T. 0.00 min
 Lab File: BF094893.D
 Acq: 5 May 2017 1:27

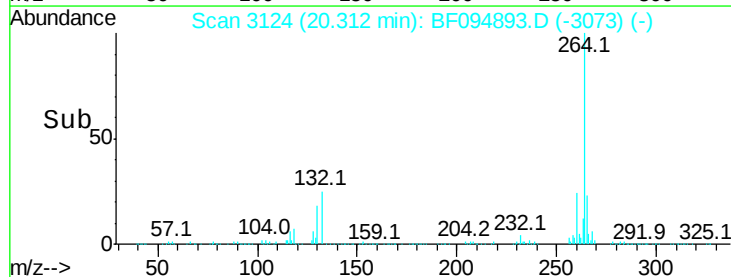
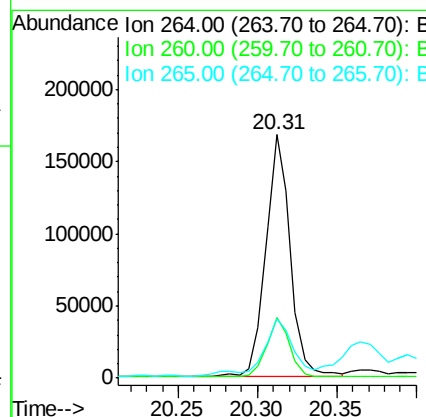
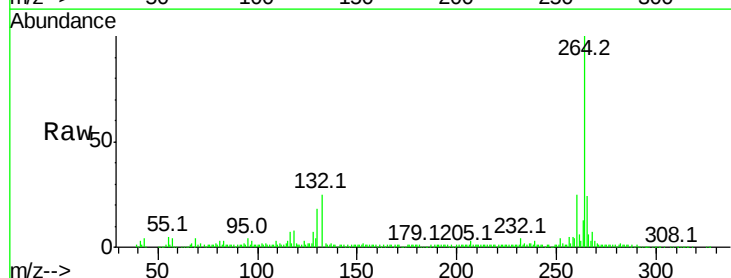
Instrument :
 BNA_F
 ClientSampleId :

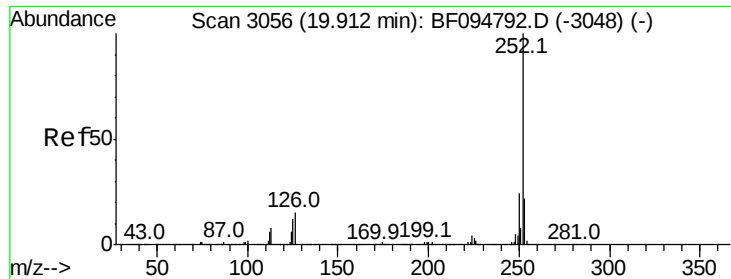
Tot Ion	Ratio	Lower	Upper
276	100		
138	28.7	27.8	41.6
277	24.3	20.2	30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.31 min Scan# 3124
 Delta R.T. 0.00 min
 Lab File: BF094893.D
 Acq: 5 May 2017 1:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.5	29.3
265	24.2	17.2	25.8

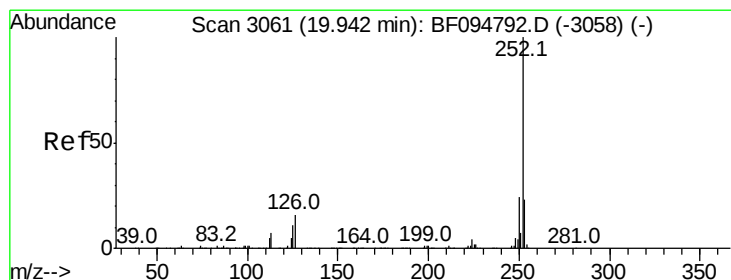
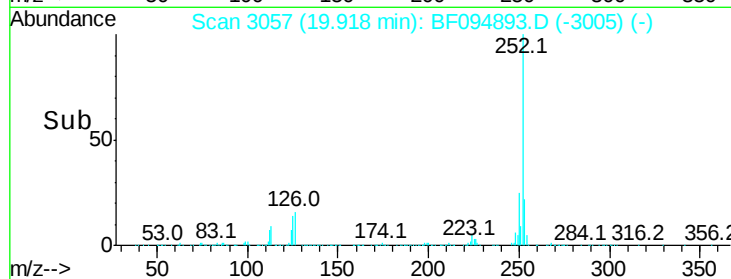
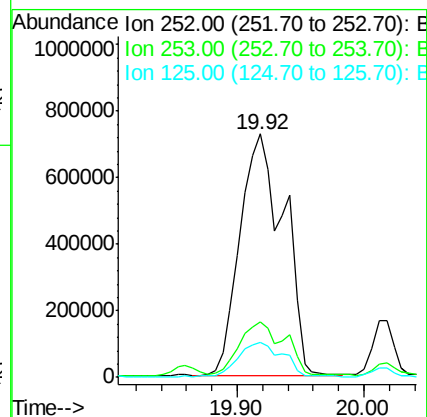
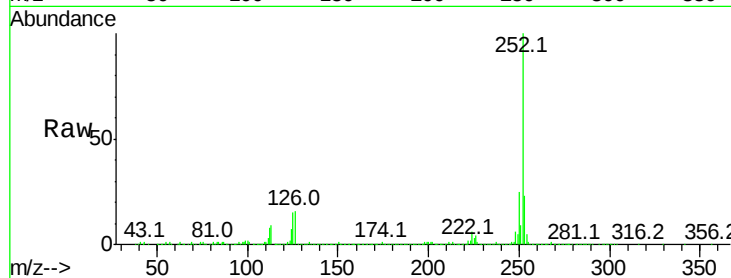




#87
Benzo(b)fluoranthene
Concen: 154.27 ng
RT: 19.92 min Scan# 3057
Delta R.T. 0.01 min
Lab File: BF094893.D
Acq: 5 May 2017 1:27

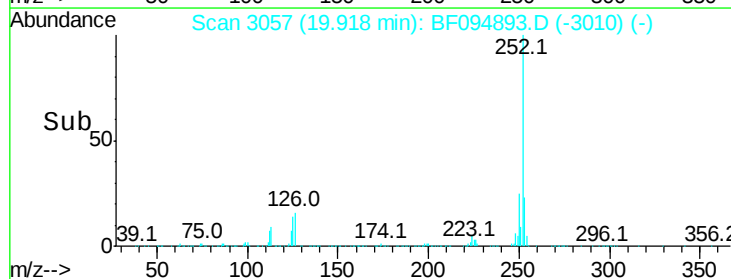
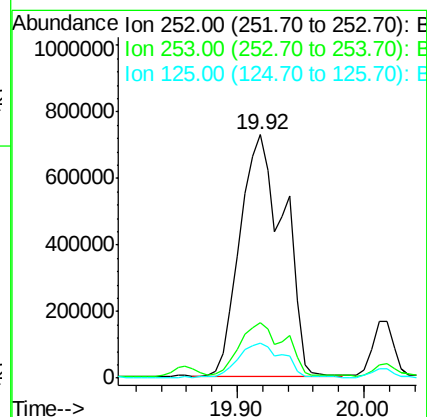
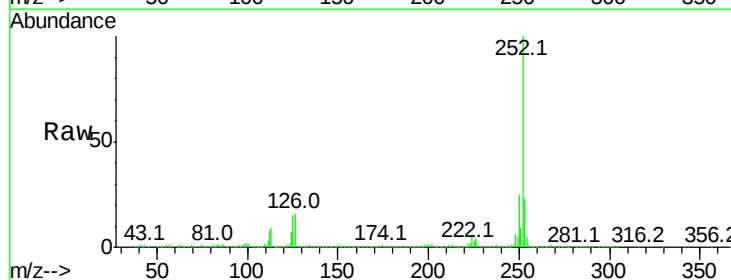
Instrument :
BNA_F
ClientSampleId :

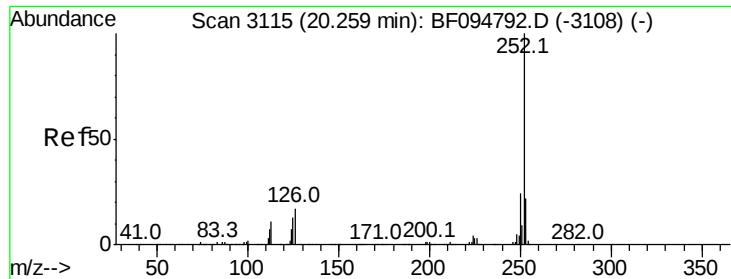
Tot Ion:252 Resp: 1739904
Ion Ratio Lower Upper
252 100
253 22.8 18.1 27.1
125 14.6 9.8 14.8



#88
Benzo(k)fluoranthene
Concen: 159.93 ng
RT: 19.92 min Scan# 3057
Delta R.T. -0.02 min
Lab File: BF094893.D
Acq: 5 May 2017 1:27

Tgt Ion:252 Resp: 1739904
Ion Ratio Lower Upper
252 100
253 22.8 18.4 27.6
125 14.6 13.1 19.7

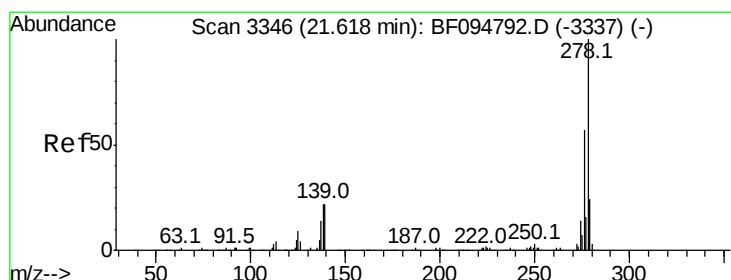
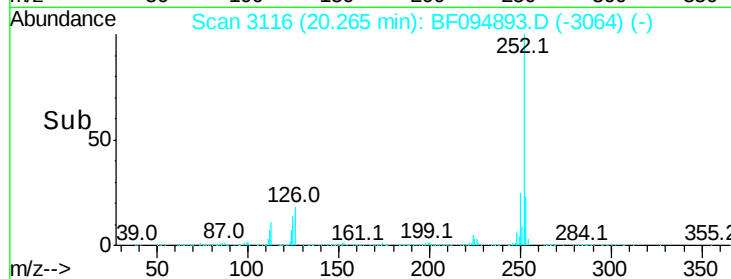
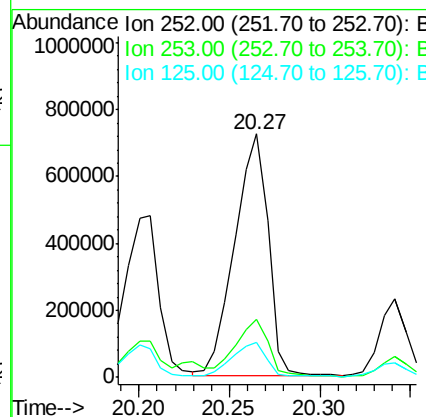
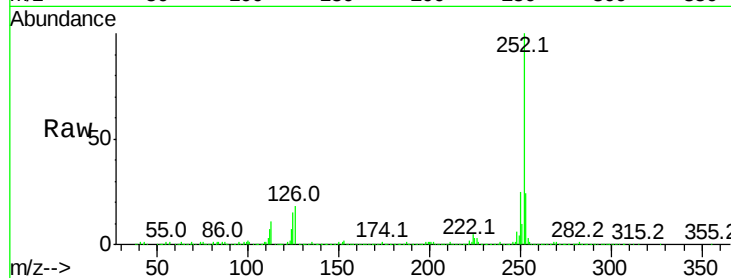




#89
Benzo(a)pyrene
Concen: 90.03 ng
RT: 20.27 min Scan# 3116
Delta R.T. 0.01 min
Lab File: BF094893.D
Acq: 5 May 2017 1:27

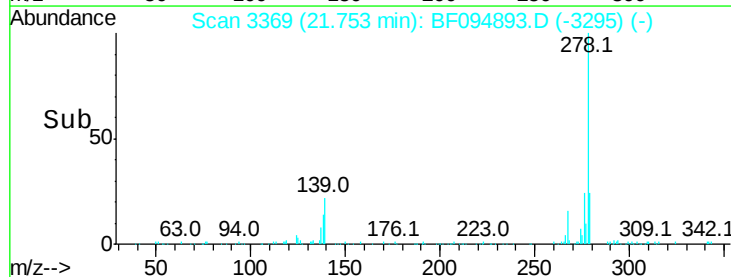
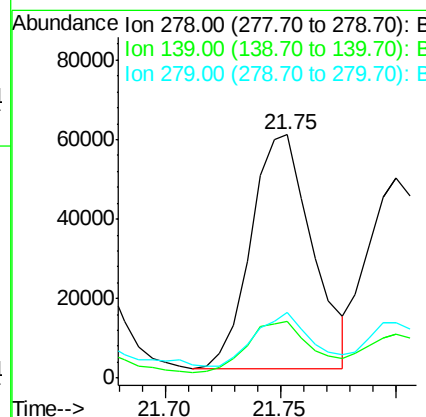
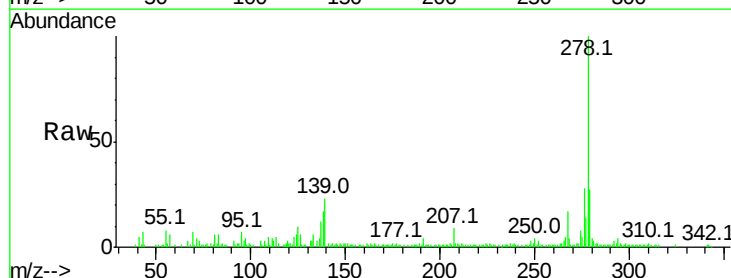
Instrument :
BNA_F
ClientSampled :

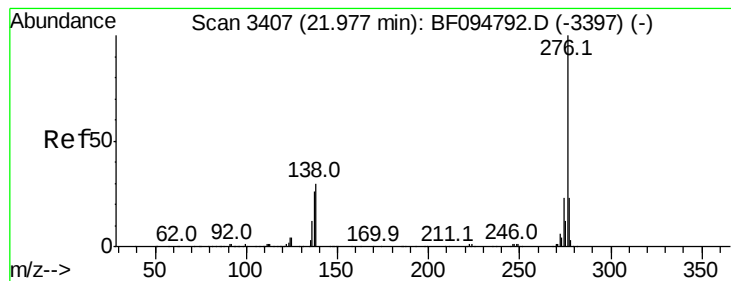
Tot Ion:252 Resp: 936958
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 14.5 11.0 16.4



#90
Dibenzo(a,h)anthracene
Concen: 12.65 ng
RT: 21.75 min Scan# 3369
Delta R.T. 0.14 min
Lab File: BF094893.D
Acq: 5 May 2017 1:27

Tgt Ion:278 Resp: 108696
Ion Ratio Lower Upper
278 100
139 23.3 16.6 24.8
279 27.2 19.3 28.9





#91

Benzo(a,h,i)perylene

Concen: 51.88 ng

RT: 21.98 min Scan# 3408

Delta R.T. 0.01 min

Lab File: BF094893.D

Acq: 5 May 2017 1:27

Instrument :

BNA_F

ClientSampleId :

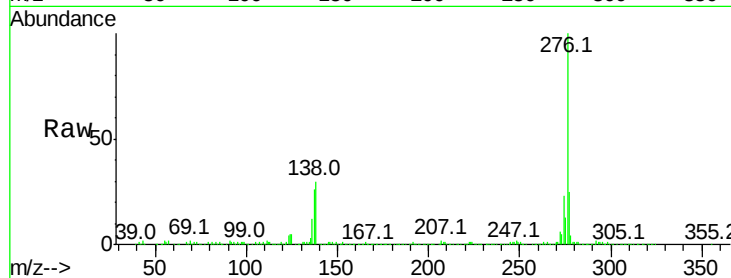
Tot Ion:276 Resp: 437604

Ion Ratio Lower Upper

276 100

277 25.3 18.6 28.0

138 30.0 25.4 38.0



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

