

Data Path : Z:\HPCHEM1\BNA_F\Data\BF050317\
 Data File : BF094865.D
 Acq On : 4 May 2017 8:51
 Operator : SJ/MA
 Sample : I2921-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-X9-BASE

Quant Time: May 04 10:47:15 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	98121	20.00	ng	0.00
21) Naphthalene-d8	9.74	136	395973	20.00	ng	-0.01
38) Acenaphthene-d10	12.57	164	149376	20.00	ng	-0.01
63) Phenanthrene-d10	14.97	188	233304	20.00	ng	-0.01
75) Chrysene-d12	18.64	240	209659	20.00	ng	-0.02
86) Perylene-d12	20.30	264	153374	20.00	ng	-0.01

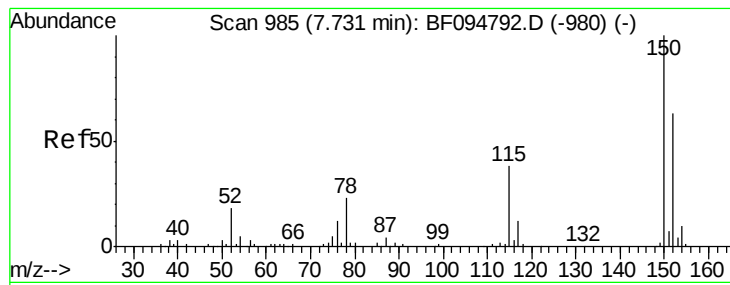
System Monitoring Compounds

5) 2-Fluorophenol	5.68	112	680645	115.65	ng	0.00
7) Phenol-d6	7.27	99	838879	118.80	ng	0.00
23) Nitrobenzene-d5	8.62	82	479042	76.29	ng	-0.02
41) 2,4,6-Tribromophenol	13.87	330	136146	111.29	ng	-0.02
44) 2-Fluorobiphenyl	11.52	172	851478	82.05	ng	-0.01
78) Terphenyl-d14	17.29	244	488189	51.29	ng	-0.02

Target Compounds

						Qvalue
19) n-Nitroso-di-n-propylamine	8.62	70	60878	12.75	ng	# 75
49) Dimethylphthalate	12.21	163	85102	6.94	ng	98
51) Acenaphthene	12.62	154	40905	4.31	ng	96
54) Dibenzofuran	12.91	168	41642	3.17	ng	93
55) 4-Nitrophenol	12.92	139	14630	9.07	ng	# 25
57) Fluorene	13.47	166	39255	3.43	ng	98
70) Phenanthrene	15.01	178	428364	31.96	ng	98
71) Anthracene	15.09	178	104970	7.67	ng	96
72) Carbazole	15.38	167	36496	2.93	ng	97
74) Fluoranthene	16.75	202	364024	26.47	ng	98
77) Pyrene	17.05	202	324164	20.67	ng	95
80) Benzo(a)anthracene	18.62	228	134519	11.02	ng	99
82) Chrysene	18.67	228	128266	10.87	ng	97
85) Indeno(1,2,3-cd)pyrene	21.59	276	41579	4.34	ng	98
87) Benzo(b)fluoranthene	19.90	252	157165	16.58	ng	# 96
88) Benzo(k)fluoranthene	19.90	252	157165	17.19	ng	99
89) Benzo(a)pyrene	20.25	252	87249	9.98	ng	98
91) Benzo(g,h,i)perylene	21.97	276	39954	5.64	ng	95

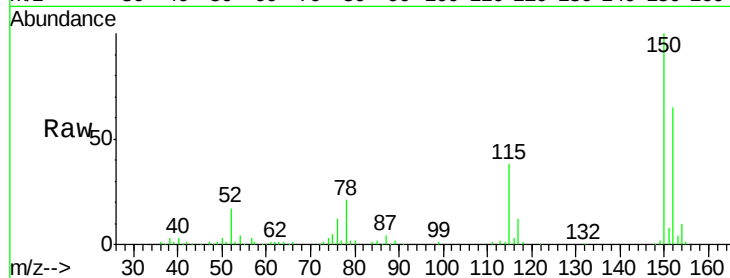
(#) = qualifier out of range (m) = manual integration (+) = signals summed



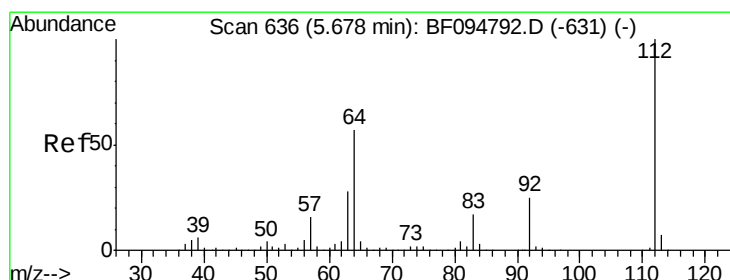
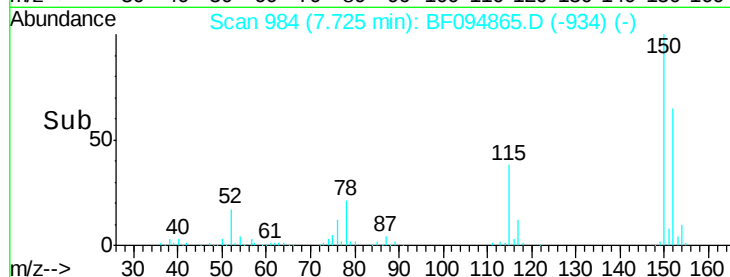
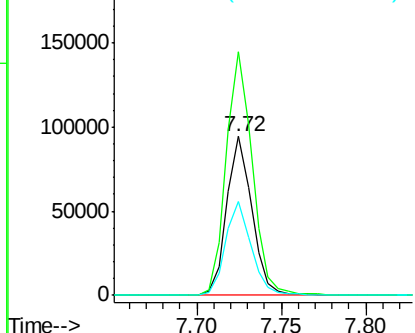
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.72 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: BF094865.D
 Acq: 4 May 2017 8:51

Instrument :
 BNA_F
 ClientSampleId :
 E2-X9-BASE

Tgt Ion:152 Resp: 98121
 Ion Ratio Lower Upper
 152 100
 150 153.4 126.2 189.2
 115 58.9 52.2 78.2

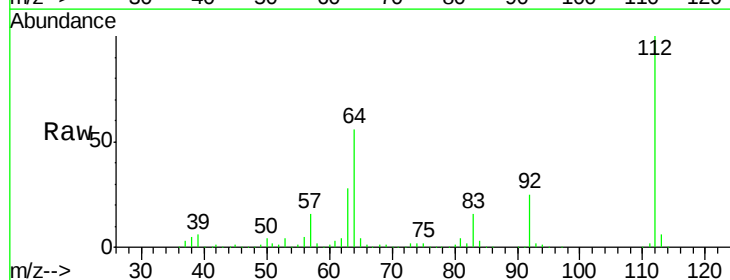


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

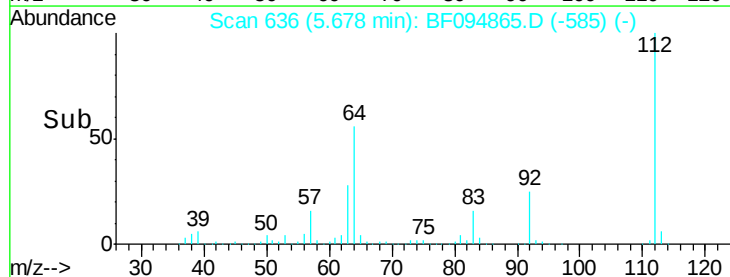
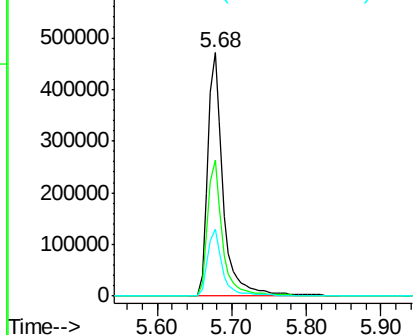


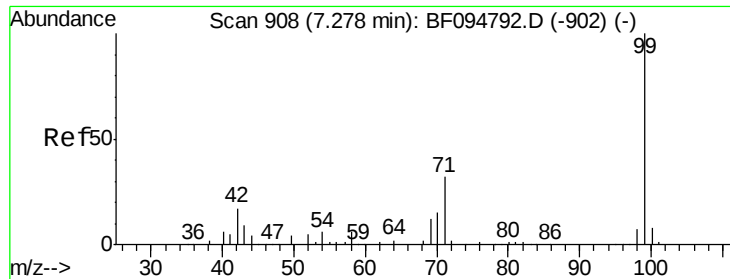
#5
 2-Fluorophenol
 Concen: 115.65 ng
 RT: 5.68 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: BF094865.D
 Acq: 4 May 2017 8:51

Tgt Ion:112 Resp: 680645
 Ion Ratio Lower Upper
 112 100
 64 55.8 46.0 69.0
 63 27.6 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: 118.80 ng

RT: 7.27 min Scan# 907

Delta R.T. -0.01 min

Lab File: BF094865.D

Acq: 4 May 2017 8:51

Instrument :

BNA_F

ClientSampleId :

E2-X9-BASE

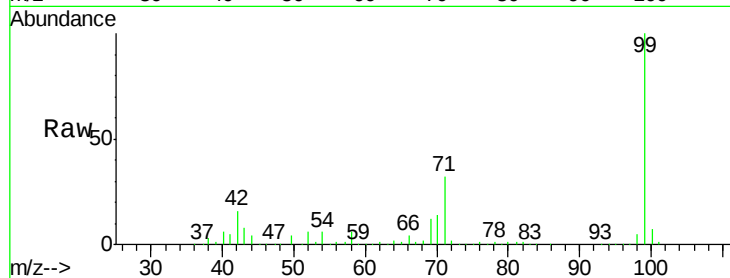
Tgt Ion: 99 Resp: 838879

Ion Ratio Lower Upper

99 100

42 16.2 13.5 20.3

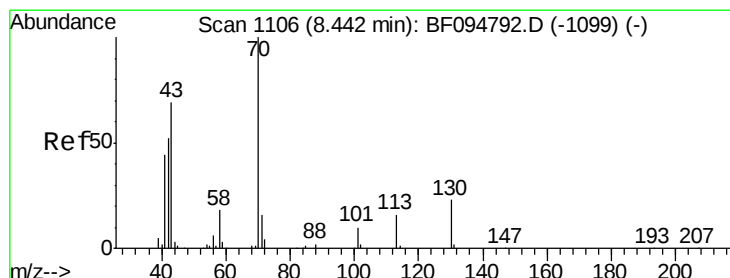
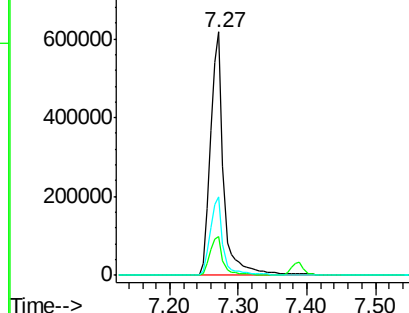
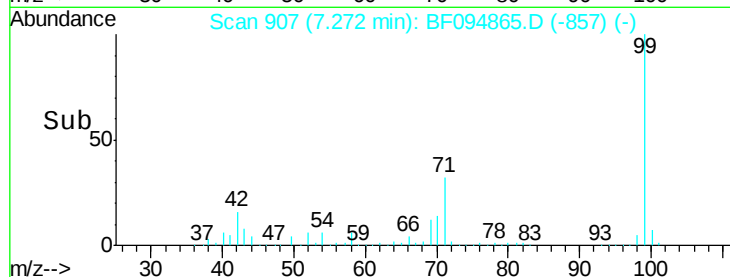
71 32.1 24.5 36.7



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: 12.75 ng

RT: 8.62 min Scan# 1136

Delta R.T. 0.18 min

Lab File: BF094865.D

Acq: 4 May 2017 8:51

Tgt Ion: 70 Resp: 60878

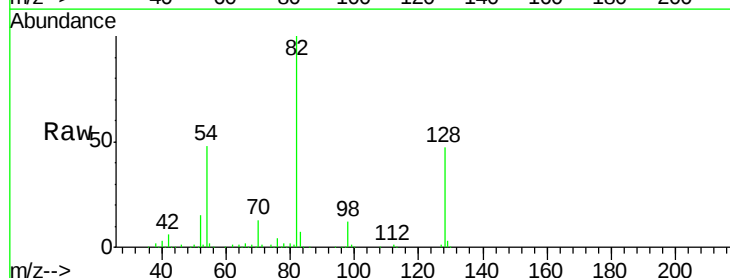
Ion Ratio Lower Upper

70 100

42 44.1 47.2 70.8#

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#

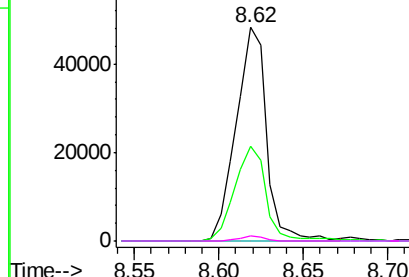
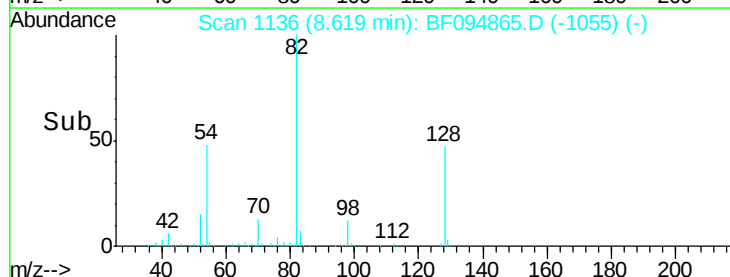


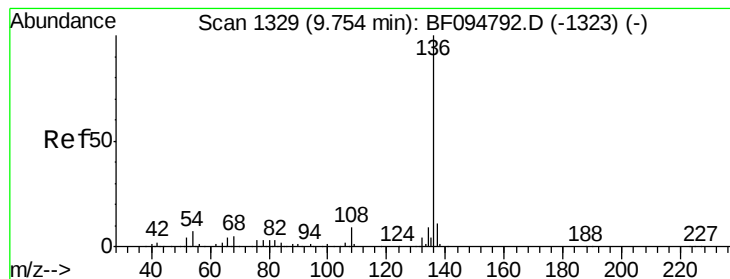
Abundance Ion 70.00 (69.70 to 70.70): BF0

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# 1327

Delta R.T. -0.01 min

Lab File: BF094865.D

Acq: 4 May 2017 8:51

Instrument :

BNA_F

ClientSampleId :

E2-X9-BASE

Tgt Ion:136 Resp: 395973

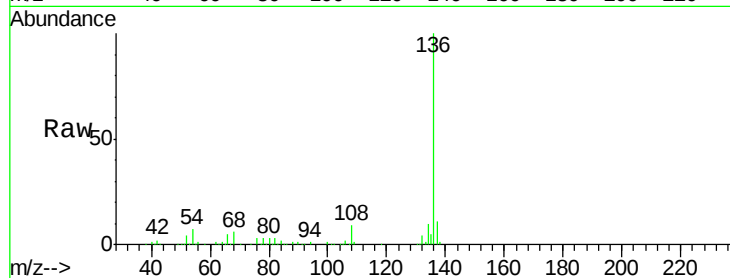
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 7.0 4.9 7.3

68 5.9 4.1 6.1

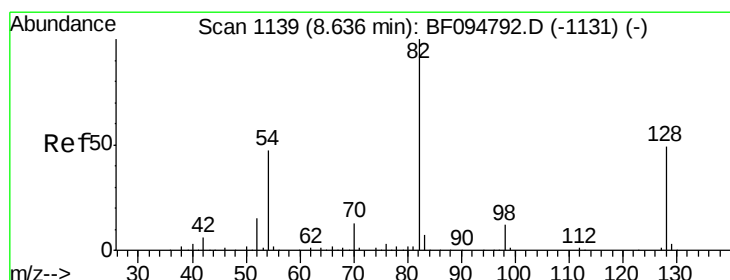
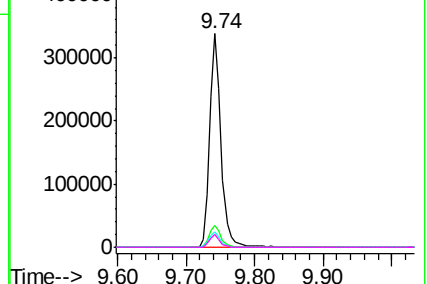
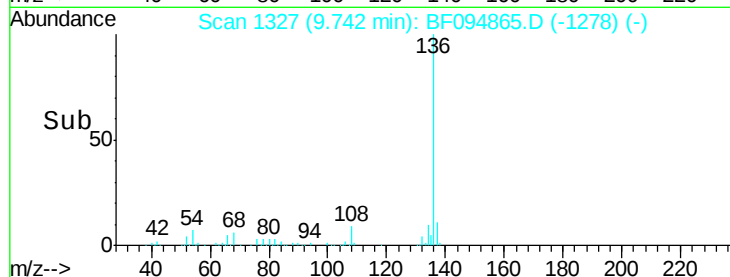


Abundance Ion 136.00 (135.70 to 136.70): E

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: 76.29 ng

RT: 8.62 min Scan# 1136

Delta R.T. -0.02 min

Lab File: BF094865.D

Acq: 4 May 2017 8:51

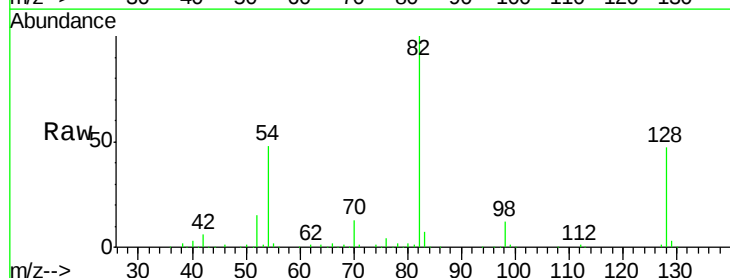
Tgt Ion: 82 Resp: 479042

Ion Ratio Lower Upper

82 100

128 47.1 34.0 51.0

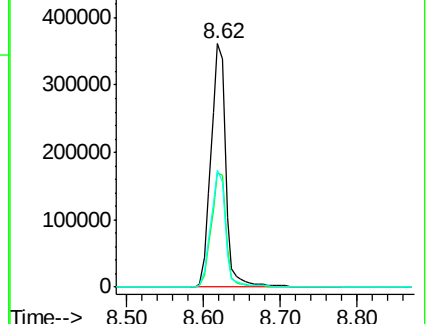
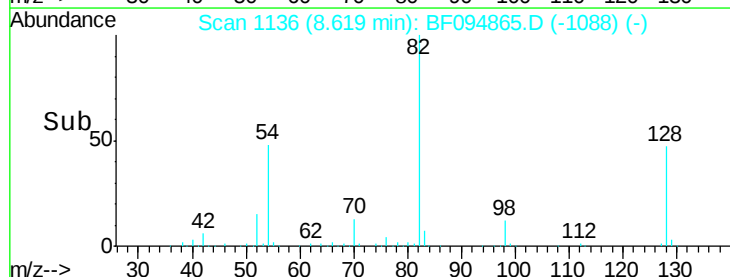
54 48.1 42.2 63.2

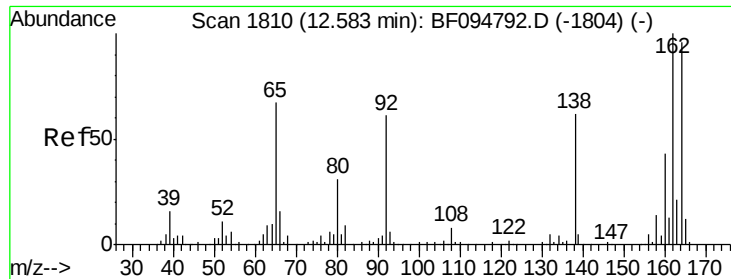


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.57 min Scan# 1808

Delta R.T. -0.01 min

Lab File: BF094865.D

Acq: 4 May 2017 8:51

Instrument :

BNA_F

ClientSampleId :

E2-X9-BASE

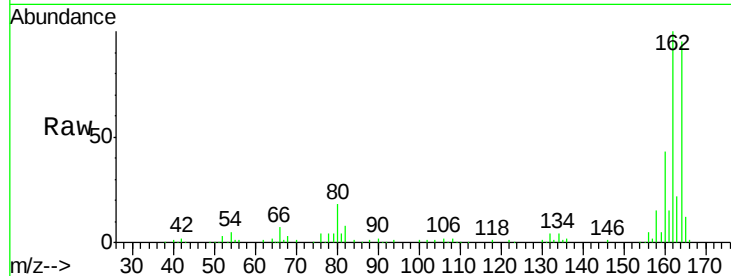
Tgt Ion:164 Resp: 149376

Ion Ratio Lower Upper

164 100

162 105.6 82.6 123.8

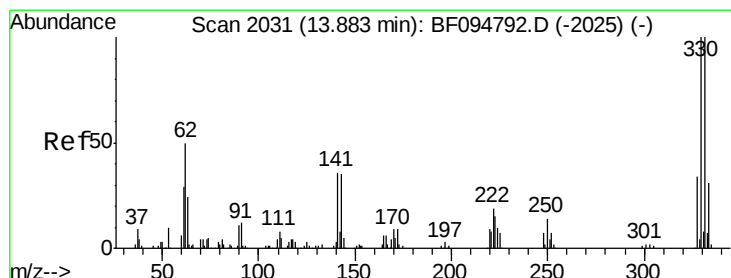
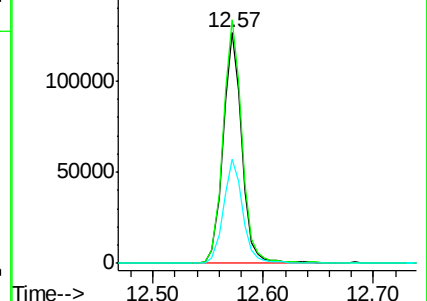
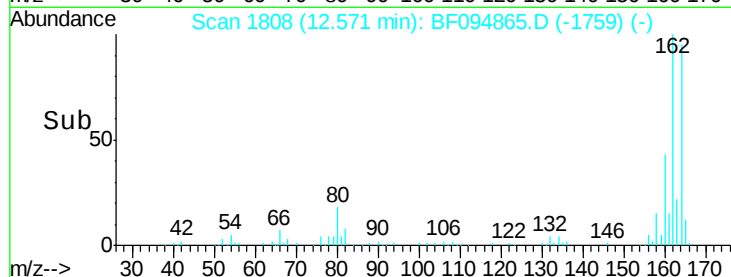
160 45.4 36.2 54.2



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: 111.29 ng

RT: 13.87 min Scan# 2028

Delta R.T. -0.02 min

Lab File: BF094865.D

Acq: 4 May 2017 8:51

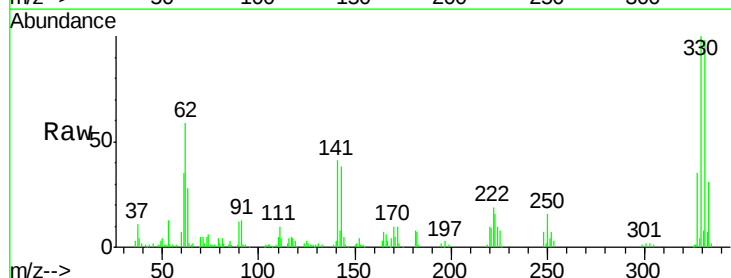
Tgt Ion:330 Resp: 136146

Ion Ratio Lower Upper

330 100

332 97.1 76.6 115.0

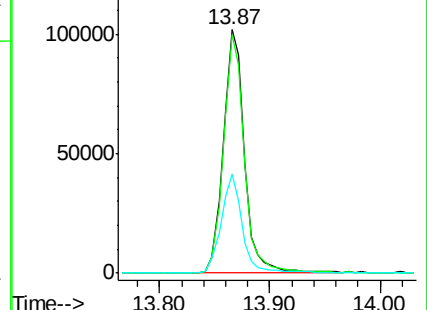
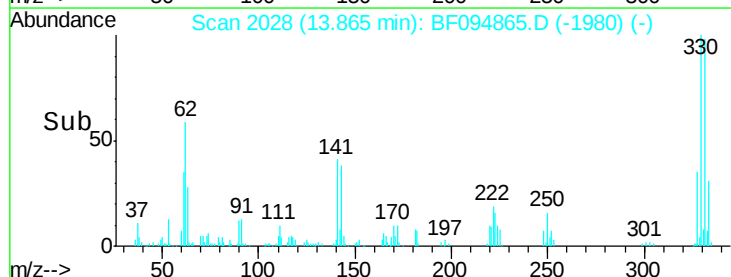
141 40.2 31.4 47.2

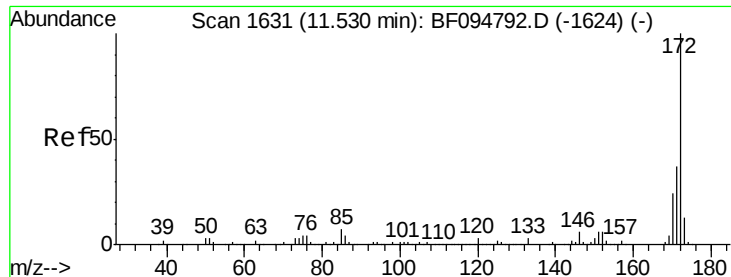


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

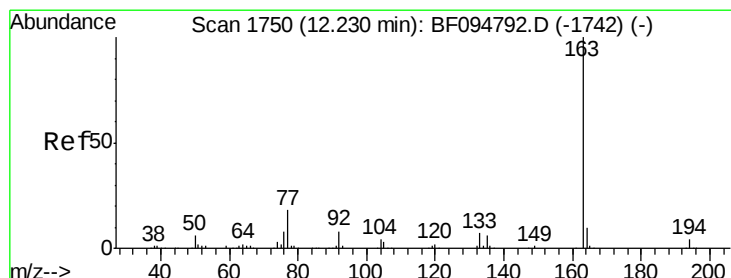
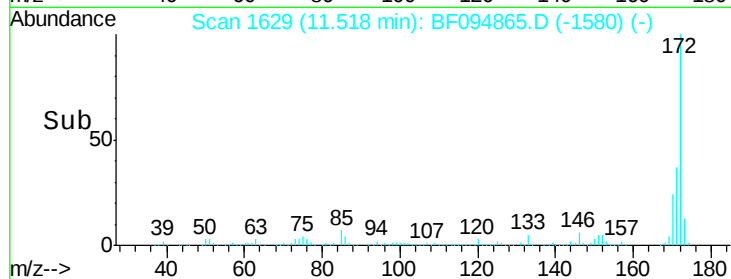
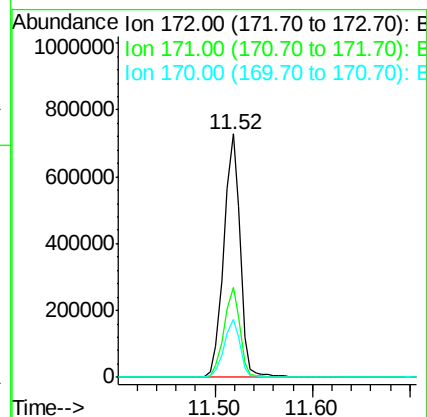
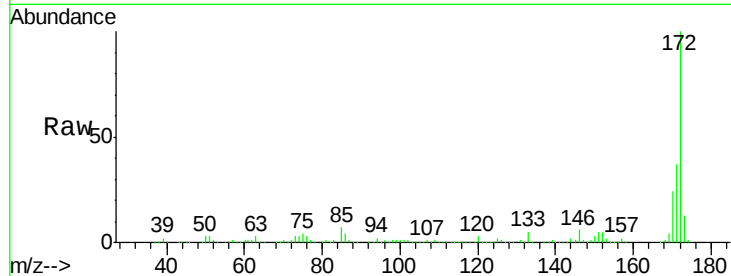




#44
 2-Fluorobiphenyl
 Concen: 82.05 ng
 RT: 11.52 min Scan# 1629
 Delta R.T. -0.01 min
 Lab File: BF094865.D
 Acq: 4 May 2017 8:51

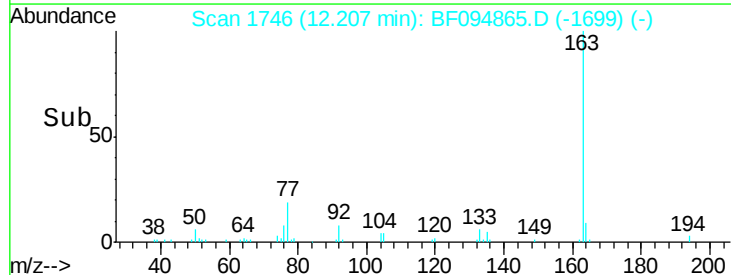
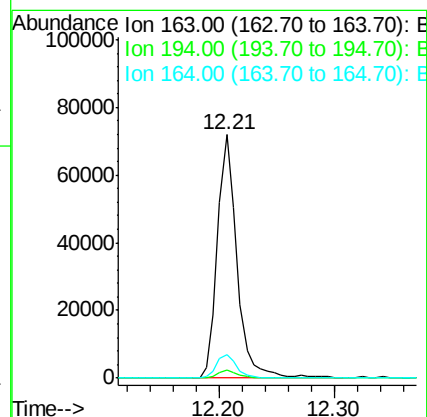
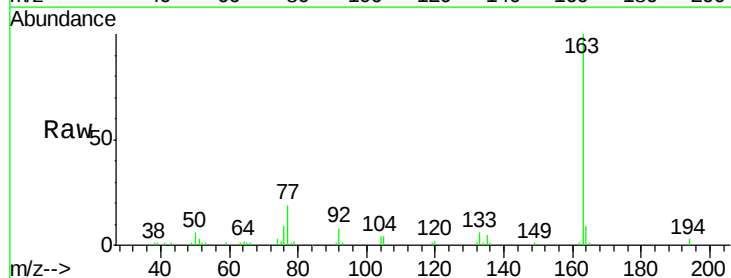
Instrument :
 BNA_F
 ClientSampleId :
 E2-X9-BASE

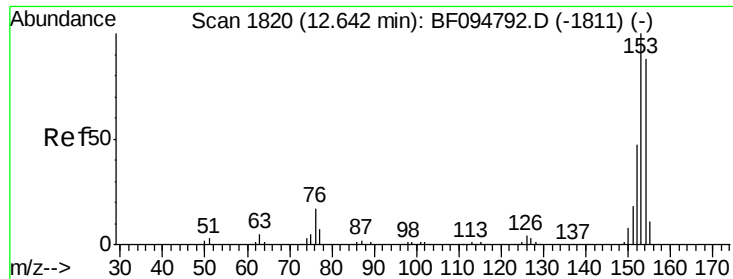
Tgt Ion:172 Resp: 851478
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.6 44.4
 170 23.7 19.8 29.8



#49
 Dimethylphthalate
 Concen: 6.94 ng
 RT: 12.21 min Scan# 1746
 Delta R.T. -0.02 min
 Lab File: BF094865.D
 Acq: 4 May 2017 8:51

Tgt Ion:163 Resp: 85102
 Ion Ratio Lower Upper
 163 100
 194 3.1 2.6 4.0
 164 9.4 8.4 12.6





#51

Acenaphthene

Concen: 4.31 ng

RT: 12.62 min Scan# 1817

Delta R.T. -0.02 min

Lab File: BF094865.D

Acq: 4 May 2017 8:51

Instrument :

BNA_F

ClientSampleId :

E2-X9-BASE

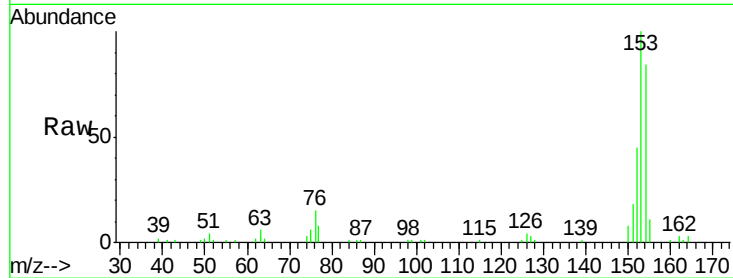
Tgt Ion:154 Resp: 40905

Ion Ratio Lower Upper

154 100

153 118.4 90.5 135.7

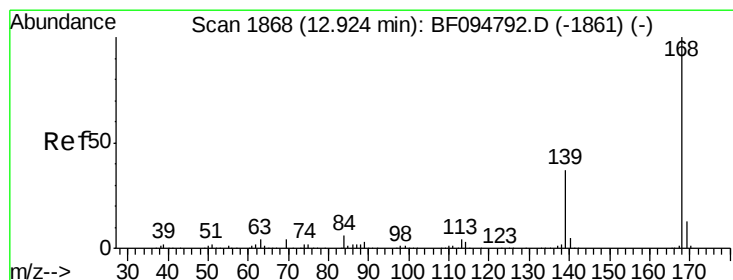
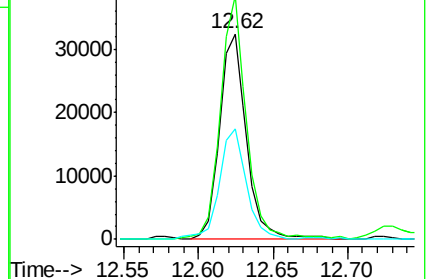
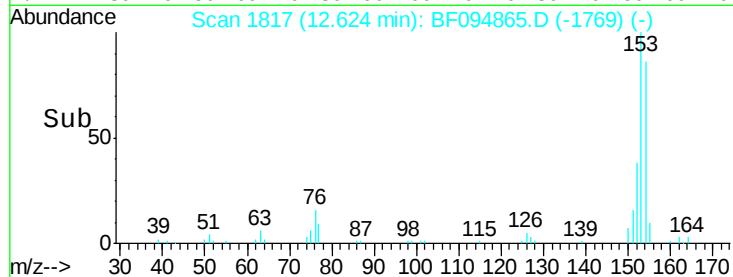
152 53.6 43.6 65.4



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: 3.17 ng

RT: 12.91 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF094865.D

Acq: 4 May 2017 8:51

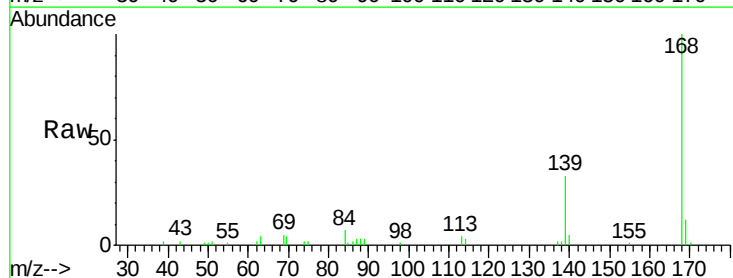
Tgt Ion:168 Resp: 41642

Ion Ratio Lower Upper

168 100

139 33.1 30.6 45.8

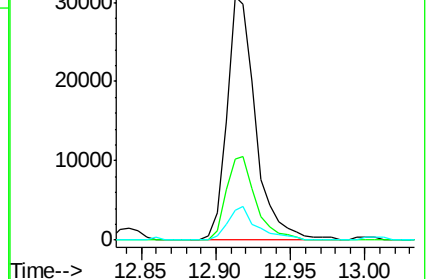
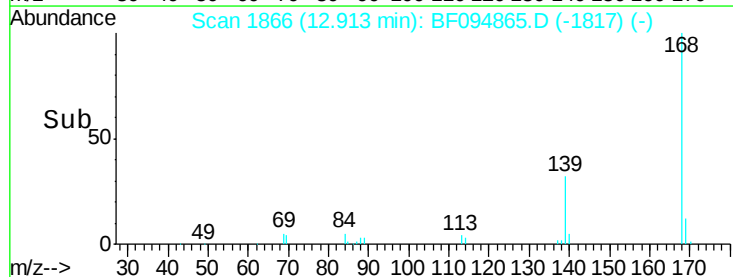
169 12.1 10.8 16.2

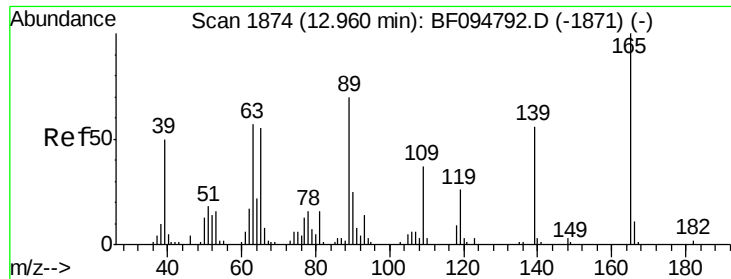


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

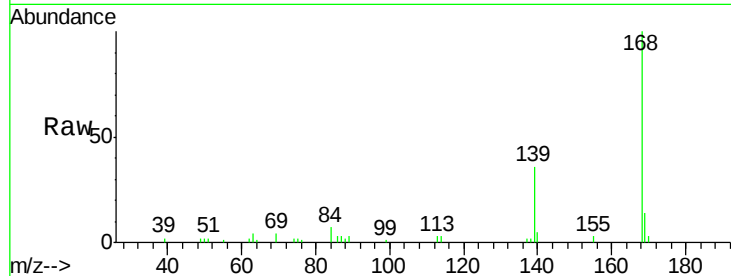




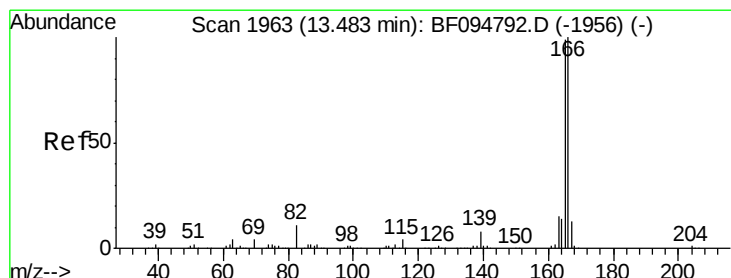
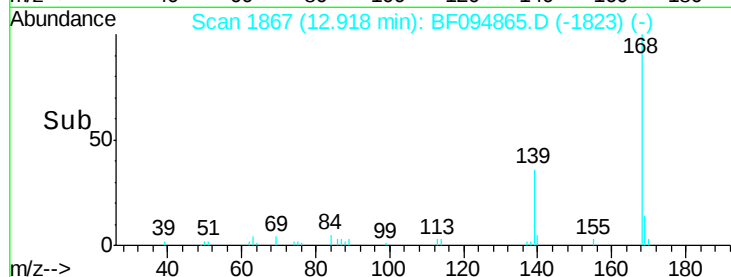
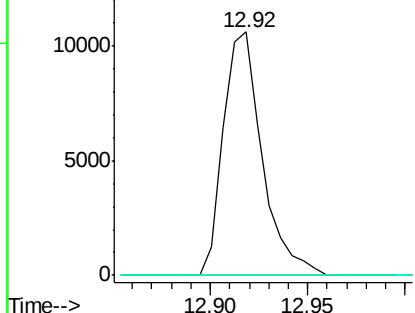
#55
4-Nitrophenol
Concen: 9.07 ng
RT: 12.92 min Scan# 1867
Delta R.T. -0.04 min
Lab File: BF094865.D
Acq: 4 May 2017 8:51

Instrument :
BNA_F
ClientSampleId :
E2-X9-BASE

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	34.1	74.1#
65	0.0	31.4	71.4#

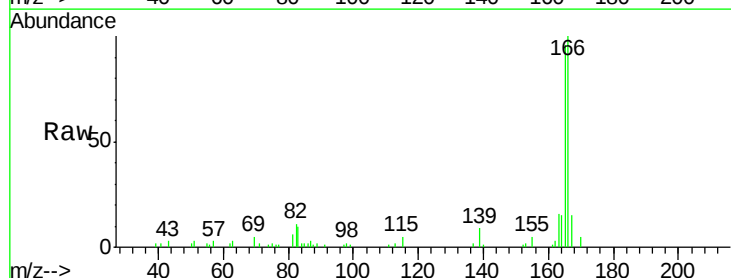


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BFO

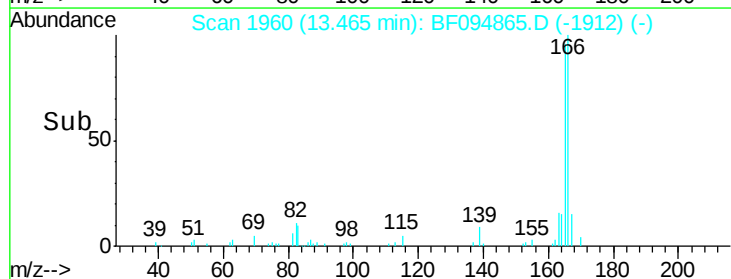
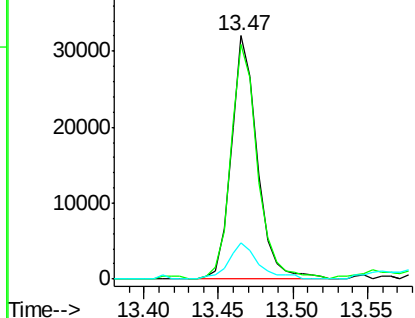


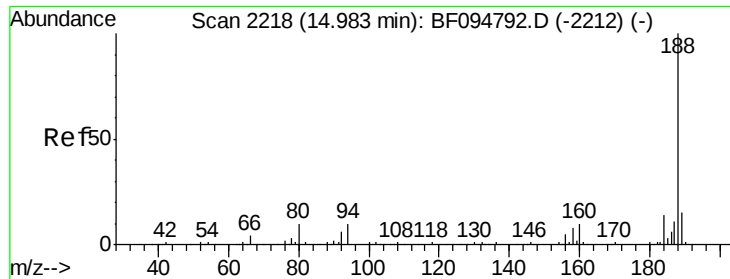
#57
Fluorene
Concen: 3.43 ng
RT: 13.47 min Scan# 1960
Delta R.T. -0.02 min
Lab File: BF094865.D
Acq: 4 May 2017 8:51

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.4	78.8	118.2
167	14.6	10.6	16.0



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

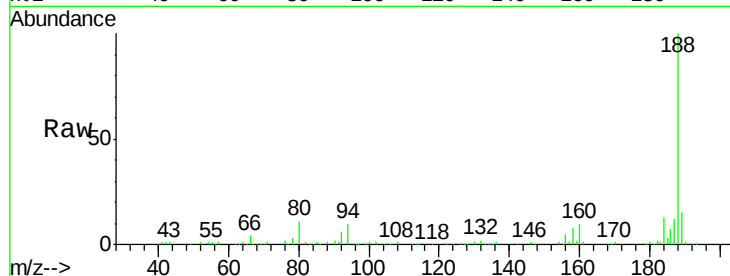




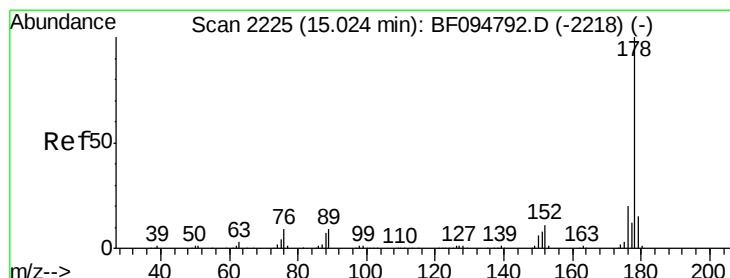
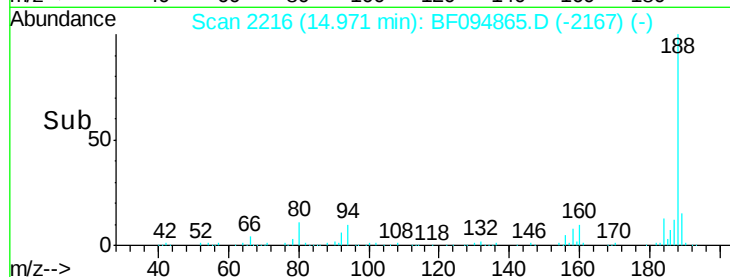
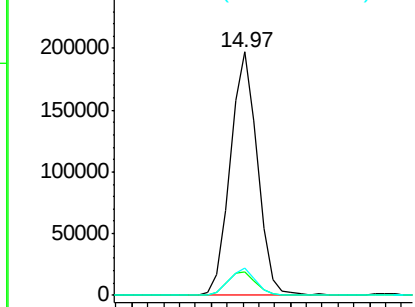
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.97 min Scan# 2216
Delta R.T. -0.01 min
Lab File: BF094865.D
Acq: 4 May 2017 8:51

Instrument :
BNA_F
ClientSampleId :
E2-X9-BASE

Tgt Ion:188 Resp: 233304
Ion Ratio Lower Upper
188 100
94 9.7 9.4 14.2
80 11.0 10.2 15.2

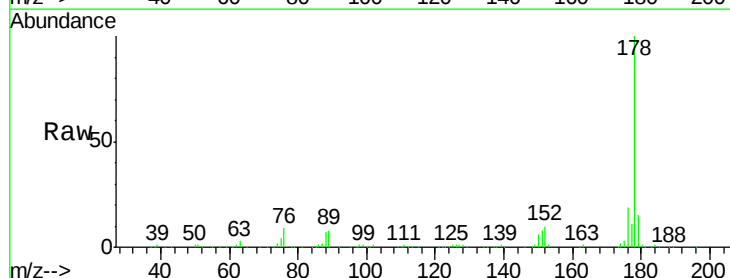


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

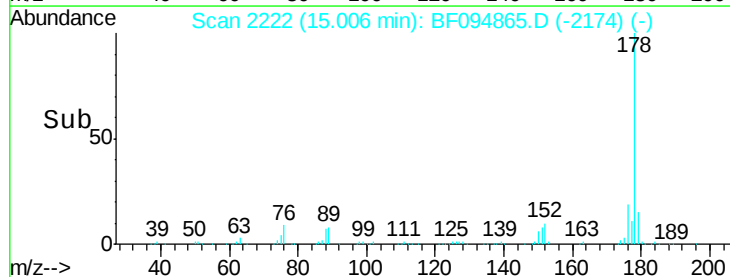
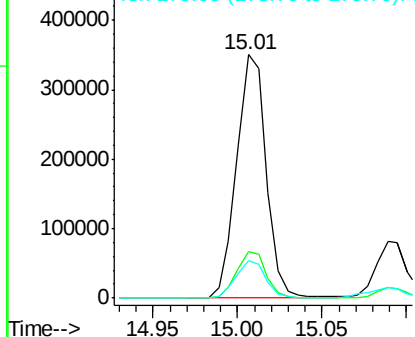


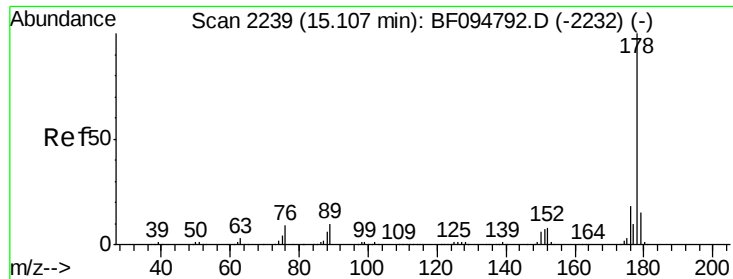
#70
Phenanthrene
Concen: 31.96 ng
RT: 15.01 min Scan# 2222
Delta R.T. -0.02 min
Lab File: BF094865.D
Acq: 4 May 2017 8:51

Tgt Ion:178 Resp: 428364
Ion Ratio Lower Upper
178 100
176 18.9 16.2 24.4
179 15.3 12.6 19.0



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

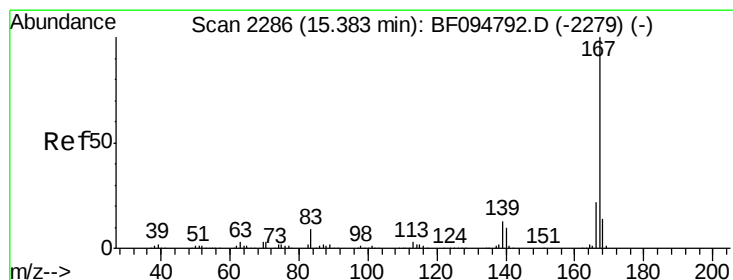
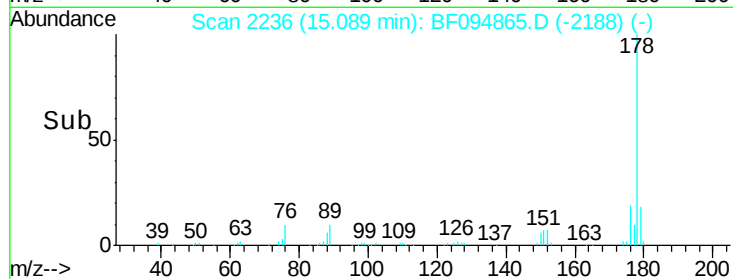
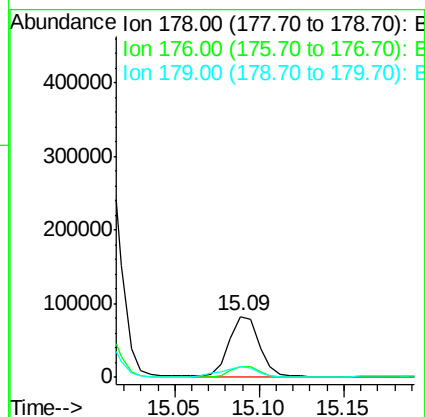
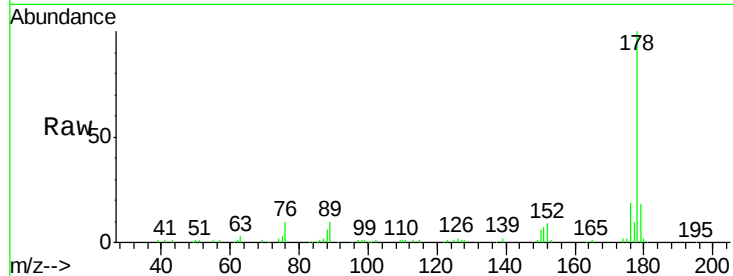




#71
 Anthracene
 Concen: 7.67 ng
 RT: 15.09 min Scan# 2236
 Delta R.T. -0.02 min
 Lab File: BF094865.D
 Acq: 4 May 2017 8:51

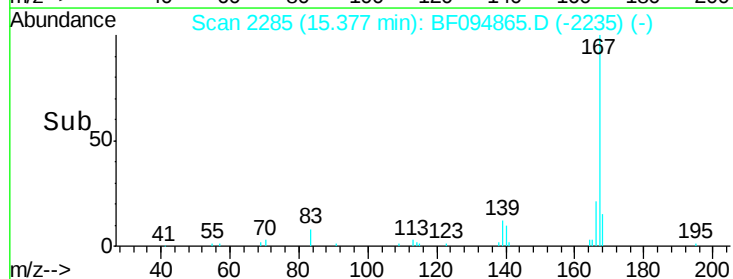
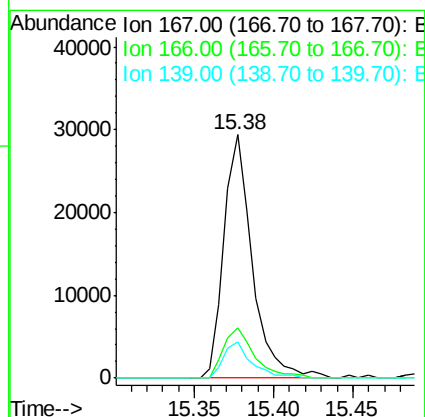
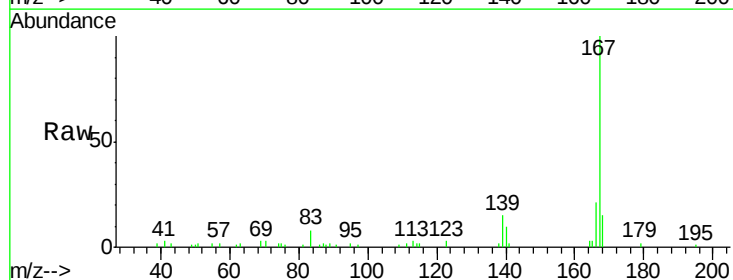
Instrument :
 BNA_F
 ClientSampleId :
 E2-X9-BASE

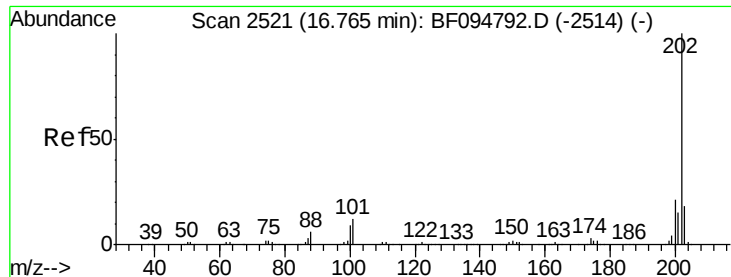
Tgt Ion:178 Resp: 104970
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.8 23.8
 179 18.0 12.7 19.1



#72
 Carbazole
 Concen: 2.93 ng
 RT: 15.38 min Scan# 2285
 Delta R.T. -0.01 min
 Lab File: BF094865.D
 Acq: 4 May 2017 8:51

Tgt Ion:167 Resp: 36496
 Ion Ratio Lower Upper
 167 100
 166 20.6 18.1 27.1
 139 14.7 11.7 17.5

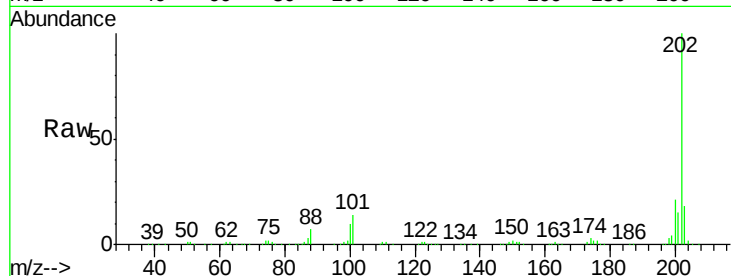




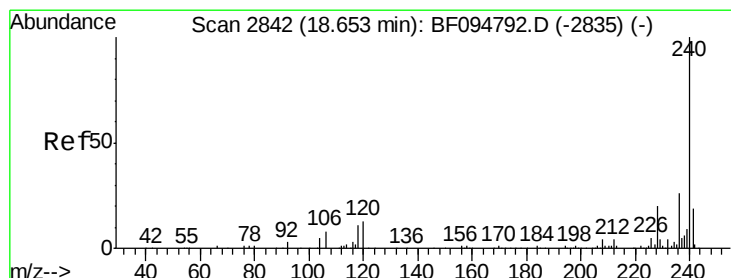
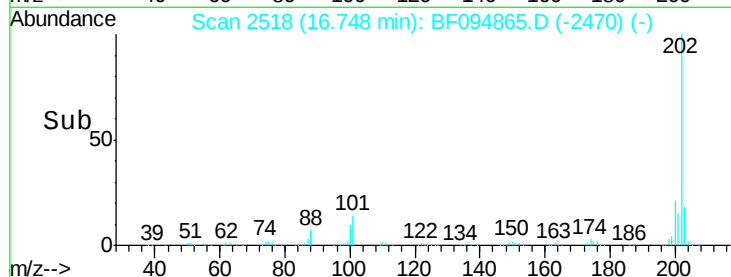
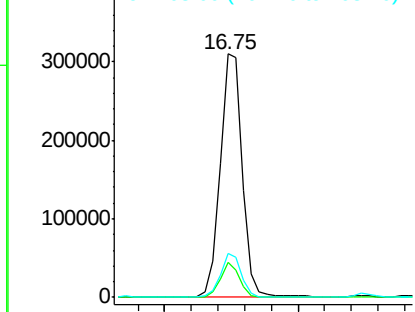
#74
 Fluoranthene
 Concen: 26.47 ng
 RT: 16.75 min Scan# 2518
 Delta R.T. -0.02 min
 Lab File: BF094865.D
 Acq: 4 May 2017 8:51

Instrument :
 BNA_F
 ClientSampleId :
 E2-X9-BASE

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.4	0.0	33.2
203	17.9	0.0	38.1

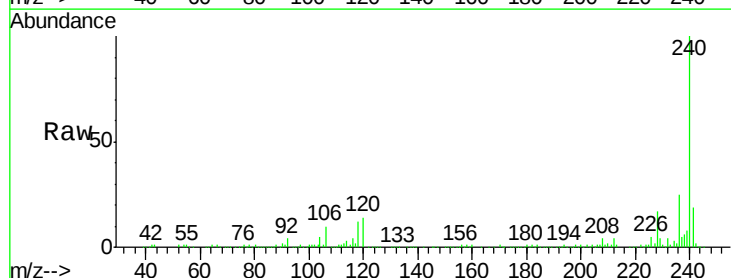


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

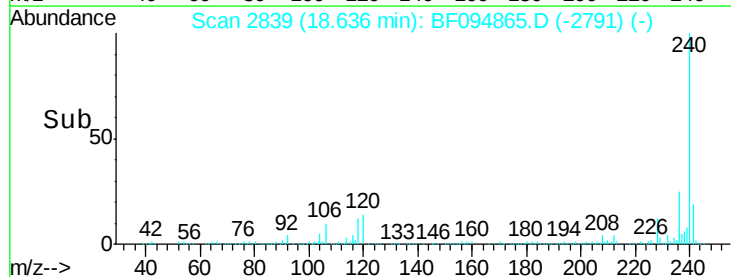
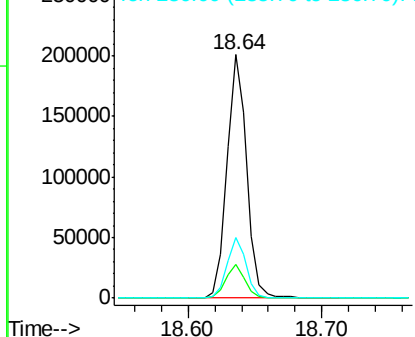


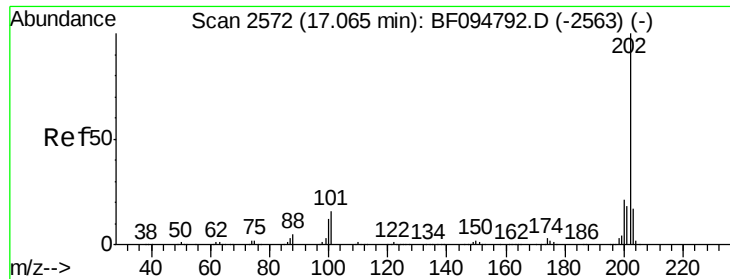
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.64 min Scan# 2839
 Delta R.T. -0.02 min
 Lab File: BF094865.D
 Acq: 4 May 2017 8:51

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.7	5.8	8.8#
236	24.8	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





#77

Pyrene

Concen: 20.67 ng

RT: 17.05 min Scan# 2570

Delta R.T. -0.01 min

Lab File: BF094865.D

Acq: 4 May 2017 8:51

Instrument :

BNA_F

ClientSampleId :

E2-X9-BASE

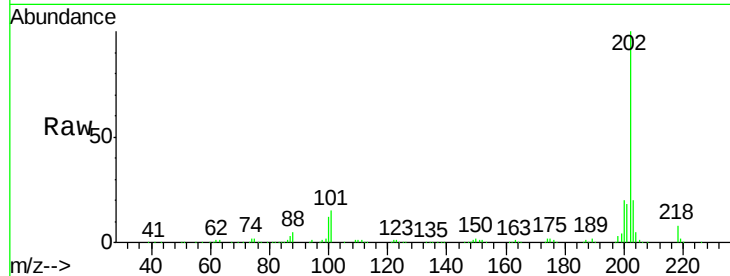
Tgt Ion: 202 Resp: 324164

Ion Ratio Lower Upper

202 100

200 19.8 17.6 26.4

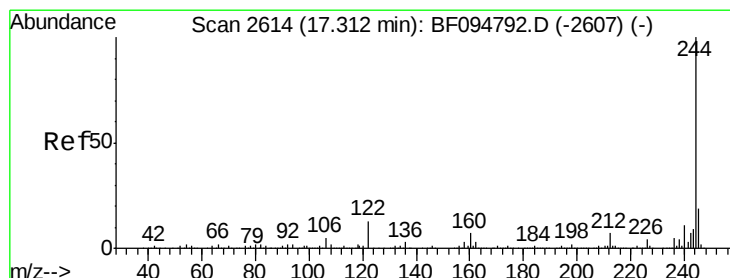
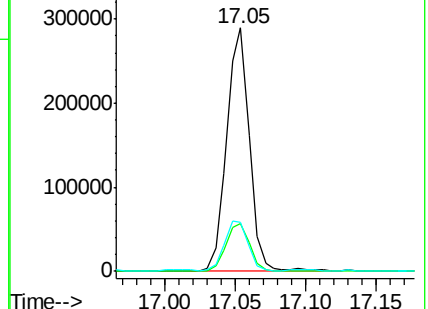
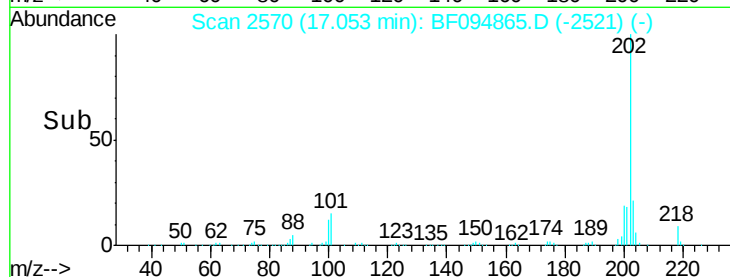
203 20.2 14.4 21.6



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: 51.29 ng

RT: 17.29 min Scan# 2611

Delta R.T. -0.02 min

Lab File: BF094865.D

Acq: 4 May 2017 8:51

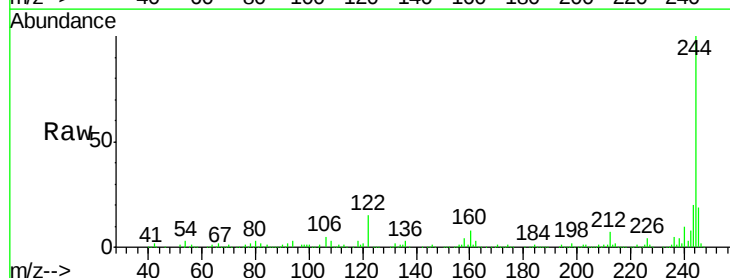
Tgt Ion: 244 Resp: 488189

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

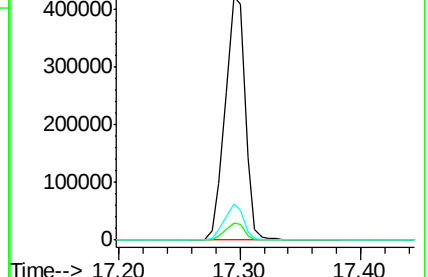
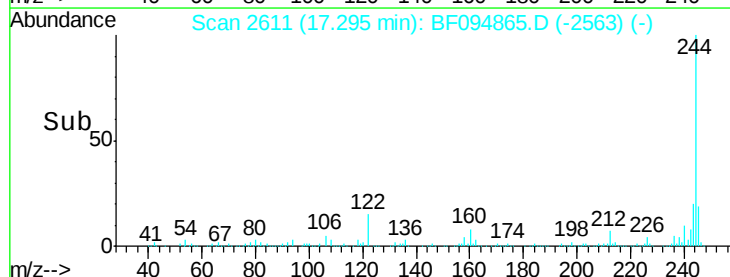
122 14.8 10.3 15.5

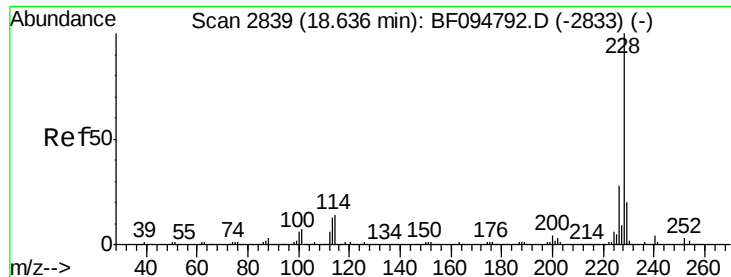


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 11.02 ng

RT: 18.62 min Scan# 2837

Delta R.T. -0.01 min

Lab File: BF094865.D

Acq: 4 May 2017 8:51

Instrument :

BNA_F

ClientSampleId :

E2-X9-BASE

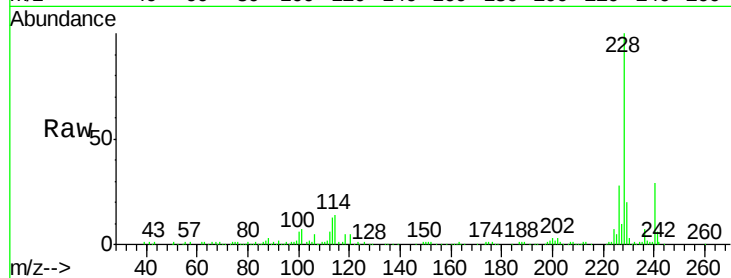
Tgt Ion:228 Resp: 134519

Ion Ratio Lower Upper

228 100

226 28.2 22.6 33.8

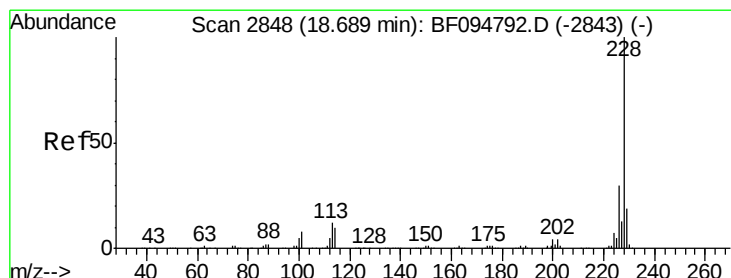
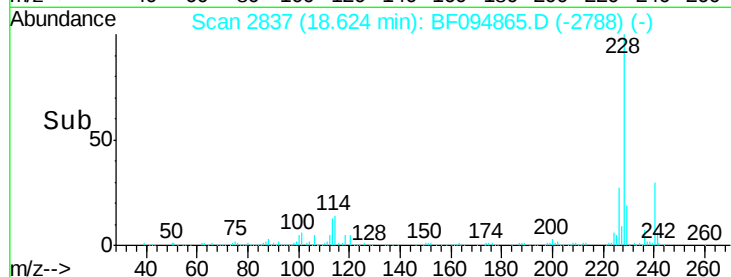
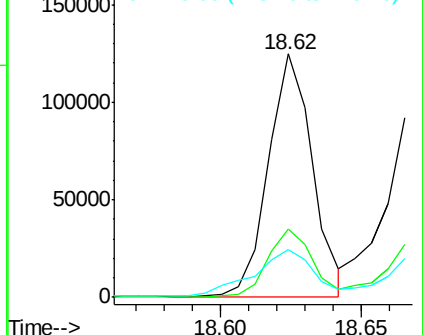
229 19.8 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 10.87 ng

RT: 18.67 min Scan# 2845

Delta R.T. -0.02 min

Lab File: BF094865.D

Acq: 4 May 2017 8:51

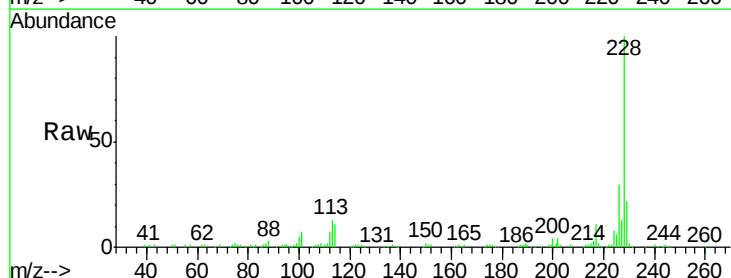
Tgt Ion:228 Resp: 128266

Ion Ratio Lower Upper

228 100

226 30.3 24.9 37.3

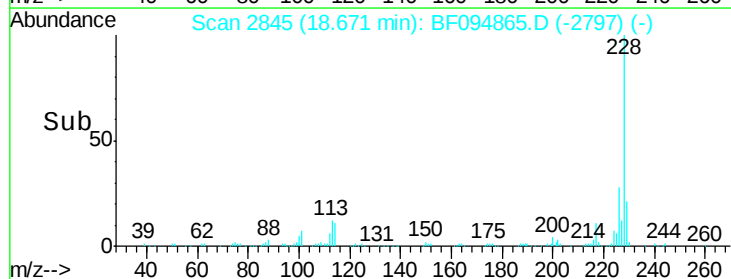
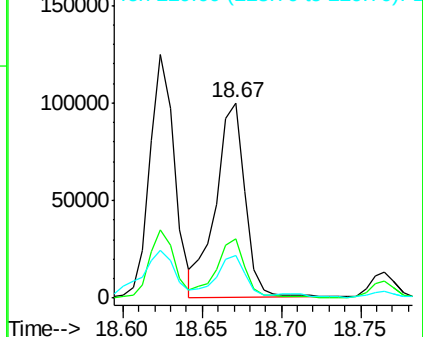
229 21.6 15.8 23.6

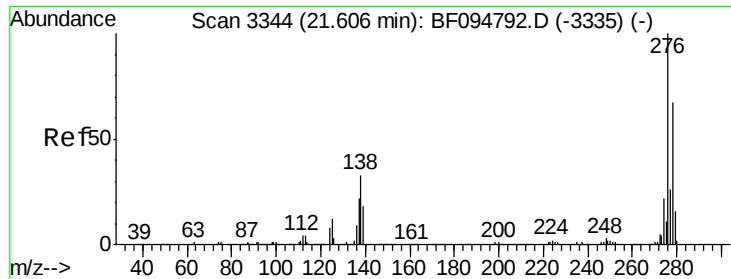


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

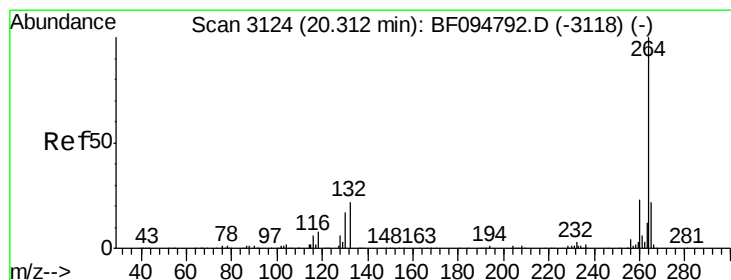
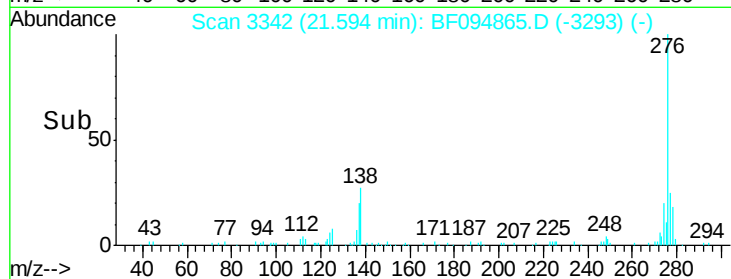
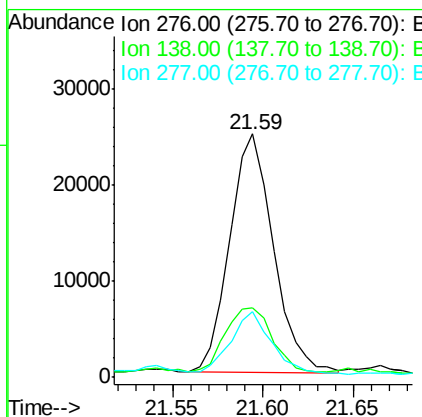
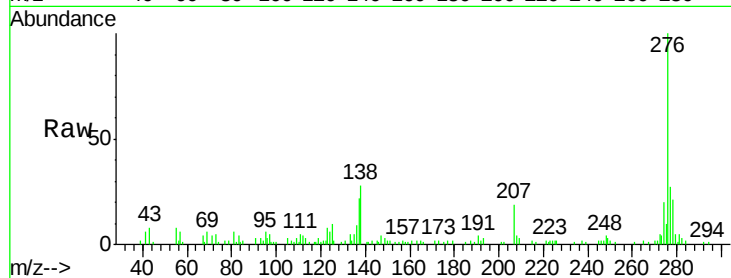




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.34 ng
 RT: 21.59 min Scan# 3342
 Delta R.T. -0.01 min
 Lab File: BF094865.D
 Acq: 4 May 2017 8:51

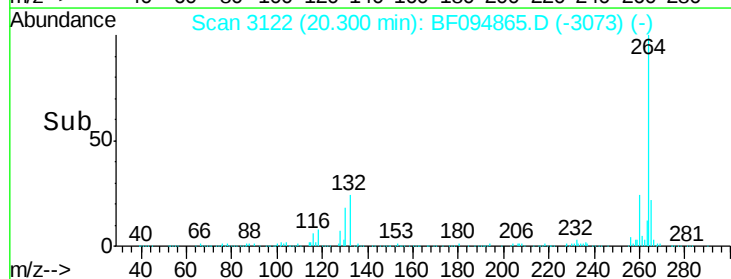
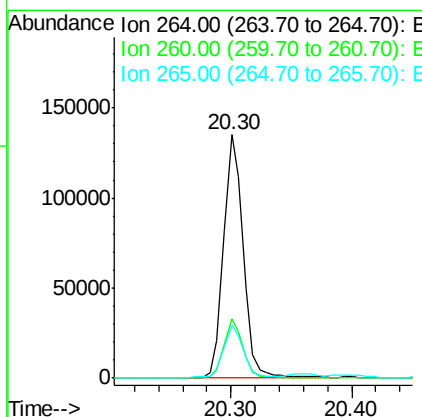
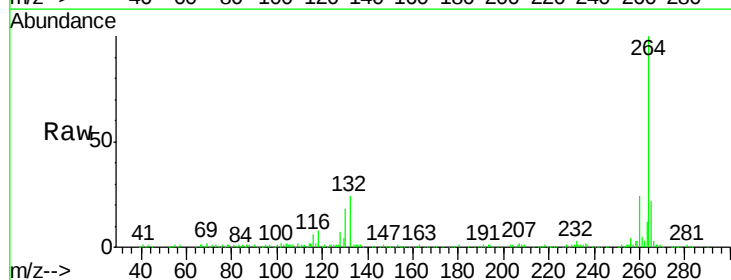
Instrument :
 BNA_F
 ClientSampleId :
 E2-X9-BASE

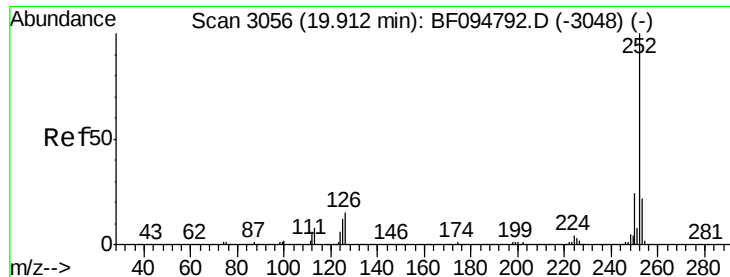
Tgt Ion	Ratio	Lower	Upper
276	100		
138	32.9	27.8	41.6
277	25.1	20.2	30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.30 min Scan# 3122
 Delta R.T. -0.01 min
 Lab File: BF094865.D
 Acq: 4 May 2017 8:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	22.0	17.2	25.8

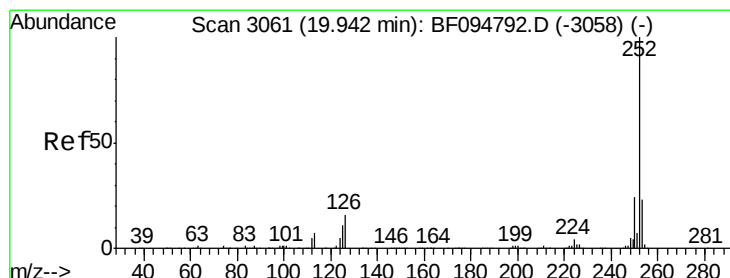
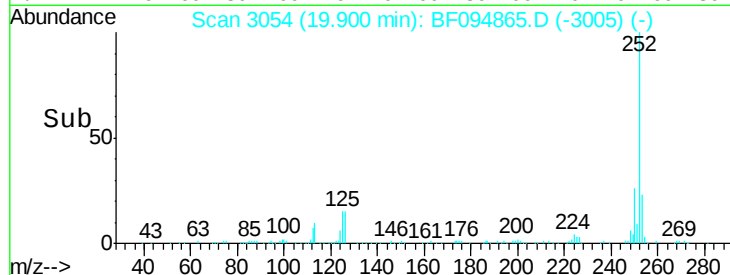
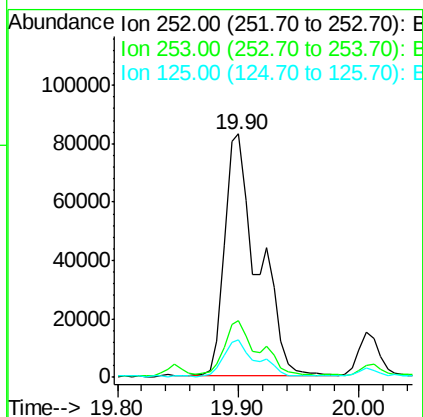
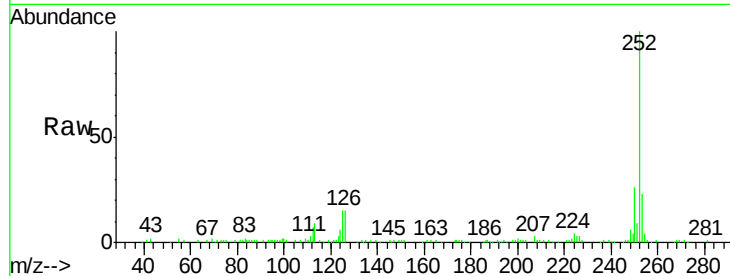




#87
Benzo(b)fluoranthene
Concen: 16.58 ng
RT: 19.90 min Scan# 3054
Delta R.T. -0.01 min
Lab File: BF094865.D
Acq: 4 May 2017 8:51

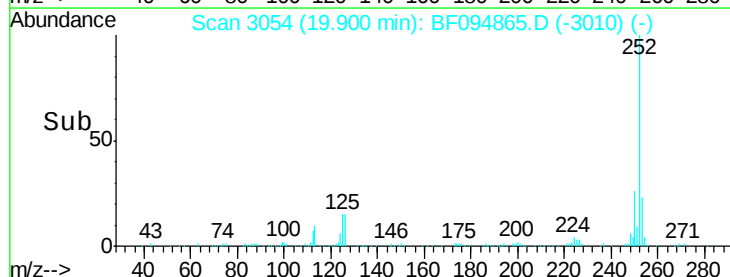
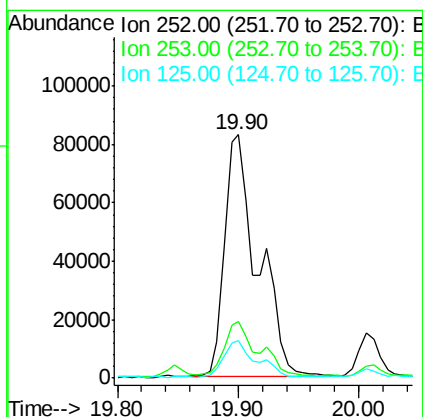
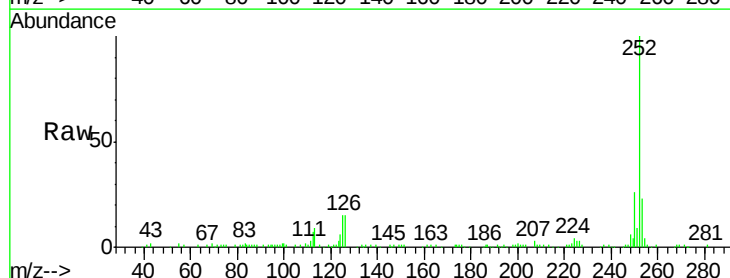
Instrument :
BNA_F
ClientSampleId :
E2-X9-BASE

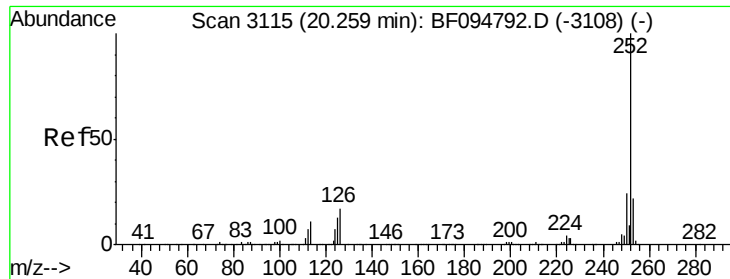
Tgt Ion:252 Resp: 157165
Ion Ratio Lower Upper
252 100
253 23.3 18.1 27.1
125 15.3 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 17.19 ng
RT: 19.90 min Scan# 3054
Delta R.T. -0.04 min
Lab File: BF094865.D
Acq: 4 May 2017 8:51

Tgt Ion:252 Resp: 157165
Ion Ratio Lower Upper
252 100
253 23.3 18.4 27.6
125 15.3 13.1 19.7





#89

Benzo(a)pyrene

Concen: 9.98 ng

RT: 20.25 min Scan# 3113

Delta R.T. -0.01 min

Lab File: BF094865.D

Acq: 4 May 2017 8:51

Instrument :

BNA_F

ClientSampleId :

E2-X9-BASE

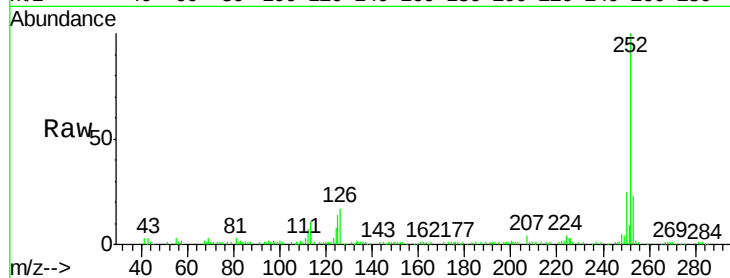
Tgt Ion:252 Resp: 87249

Ion Ratio Lower Upper

252 100

253 23.0 17.5 26.3

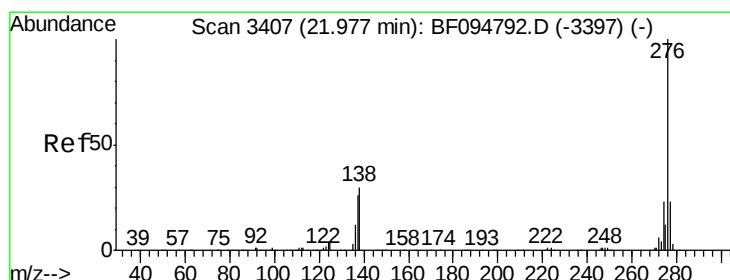
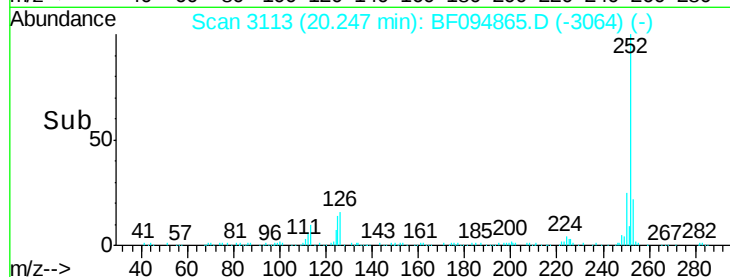
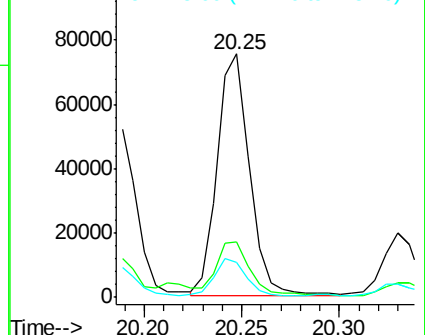
125 14.4 11.0 16.4



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



#91

Benzo(g,h,i)perylene

Concen: 5.64 ng

RT: 21.97 min Scan# 3406

Delta R.T. -0.01 min

Lab File: BF094865.D

Acq: 4 May 2017 8:51

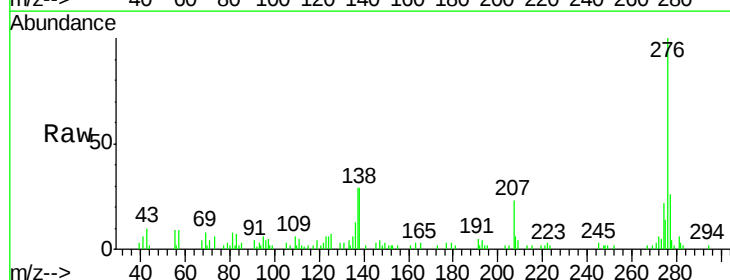
Tgt Ion:276 Resp: 39954

Ion Ratio Lower Upper

276 100

277 25.8 18.6 28.0

138 29.2 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

