

Data Path : Z:\HPCHEM1\BNA F\Data\BF040317\
 Data File : BF094157.D
 Acq On : 4 Apr 2017 9:25
 Operator : SJ/MA
 Sample : I2510-11
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 04 11:36:11 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 14:38:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.89	152	177002	20.00	ng	-0.02
21) Naphthalene-d8	7.39	136	659621	20.00	ng	-0.02
38) Acenaphthene-d10	9.53	164	256200	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	401529	20.00	ng	-0.01
75) Chrysene-d12	14.62	240	297983	20.00	ng	0.00
86) Perylene-d12	16.25	264	219275	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	4.43	112	1092976	104.30	ng	0.00
7) Phenol-d6	5.50	99	1369695	105.65	ng	-0.01
23) Nitrobenzene-d5	6.54	82	712332	61.63	ng	-0.02
41) 2,4,6-Tribromophenol	10.51	330	192427	95.05	ng	-0.01
44) 2-Fluorobiphenyl	8.72	172	1309450	77.96	ng	-0.02
78) Terphenyl-d14	13.34	244	866775	65.20	ng	-0.01

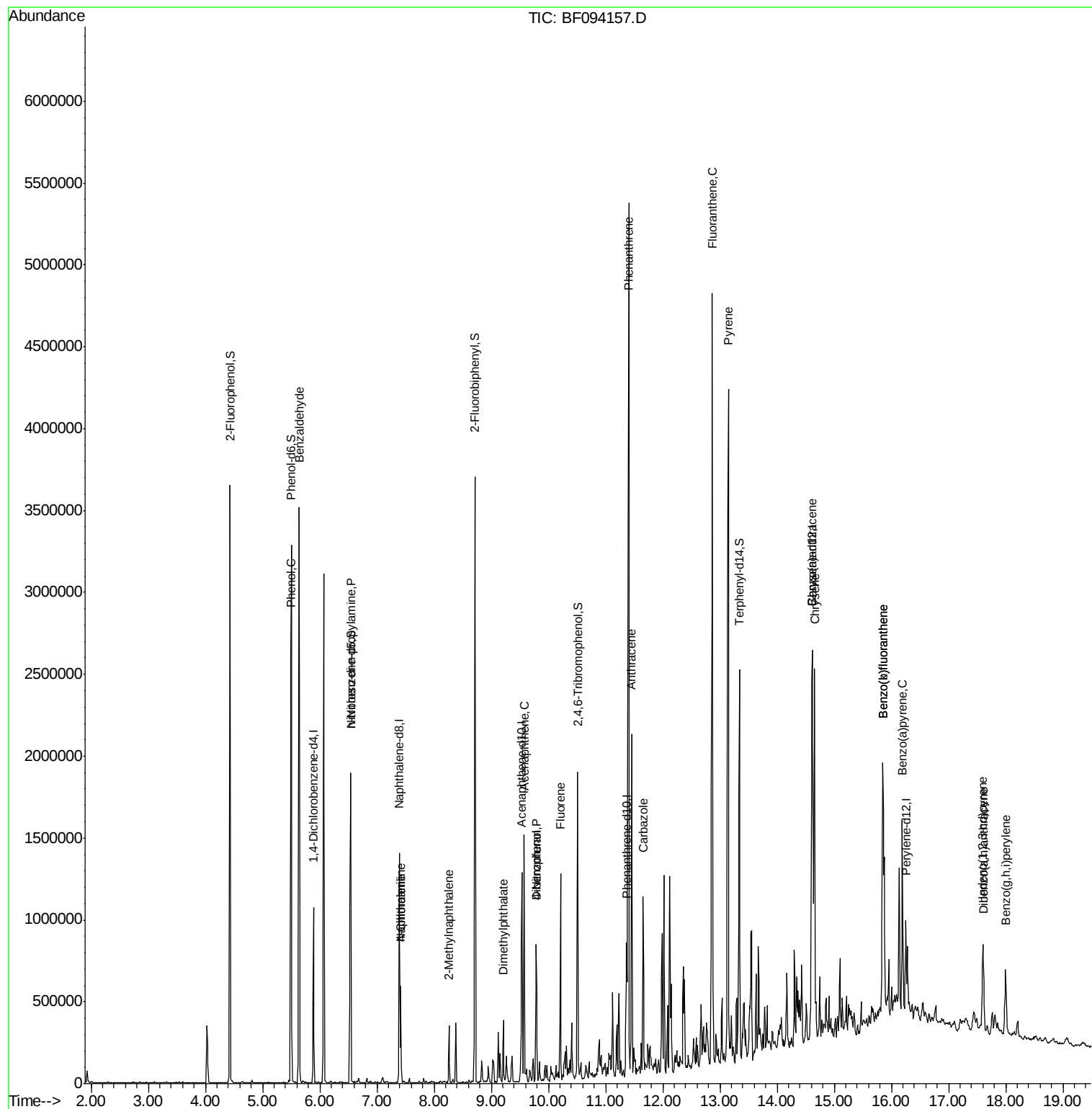
Target Compounds						Qvalue
9) Benzaldehyde	5.64	77	23893	2.73	ng	84
10) Phenol	5.51	94	33280	2.26	ng	93
19) n-Nitroso-di-n-propylamine	6.54	70	94020	11.28	ng	# 75
31) Naphthalene	7.42	128	255240	8.05	ng	99
33) 4-Chloroaniline	7.42	127	33391	2.60	ng	# 33
37) 2-Methylnaphthalene	8.26	142	107868	5.10	ng	97
49) Dimethylphthalate	9.21	163	155038	8.51	ng	99
51) Acenaphthene	9.57	154	330371	21.06	ng	99
54) Dibenzofuran	9.79	168	326884	15.31	ng	98
55) 4-Nitrophenol	9.79	139	119691	31.18	ng	# 27
57) Fluorene	10.21	166	362808	20.49	ng	100
70) Phenanthrene	11.40	178	2925018	130.95	ng	100
71) Anthracene	11.46	178	829328	36.06	ng	99
72) Carbazole	11.66	167	433927	18.40	ng	98
74) Fluoranthene	12.87	202	2771322	121.17	ng	100
77) Pyrene	13.15	202	2294419	106.10	ng	99
80) Benzo(a)anthracene	14.61	228	1080804	62.20	ng	100
82) Chrysene	14.66	228	1003255	62.22	ng	97
85) Indeno(1,2,3-cd)pyrene	17.60	276	328140	23.50	ng	94
87) Benzo(b)fluoranthene	15.85	252	1195112	88.92	ng	97
88) Benzo(k)fluoranthene	15.85	252	1195112	90.88	ng	98
89) Benzo(a)pyrene	16.20	252	583686	47.16	ng	98
90) Dibenzo(a,h)anthracene	17.62	278	92877	8.86	ng	94
91) Benzo(g,h,i)perylene	18.00	276	287927	27.26	ng	98

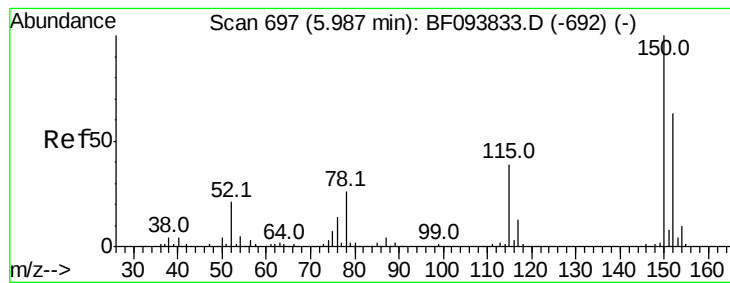
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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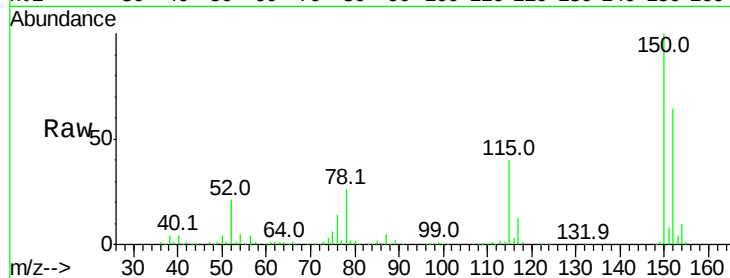




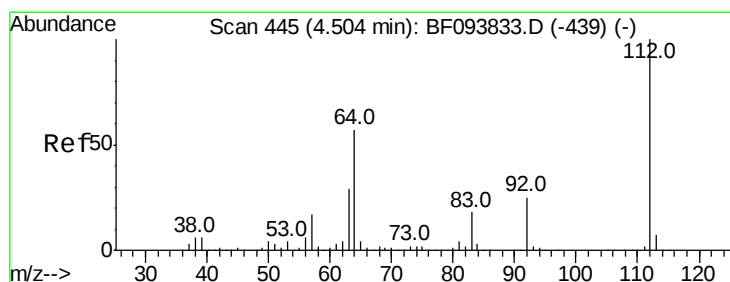
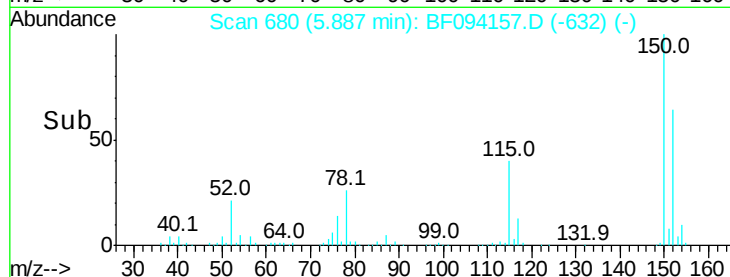
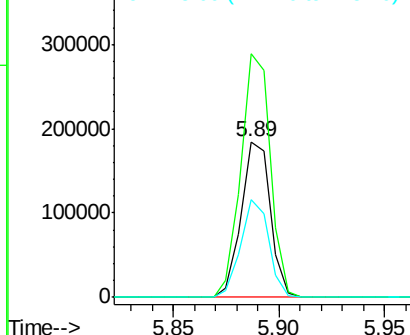
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.89 min Scan# 680
 Delta R.T. -0.02 min
 Lab File: BF094157.D
 Acq: 4 Apr 2017 9:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 177002
 Ion Ratio Lower Upper
 152 100
 150 156.4 126.2 189.2
 115 62.8 52.2 78.2

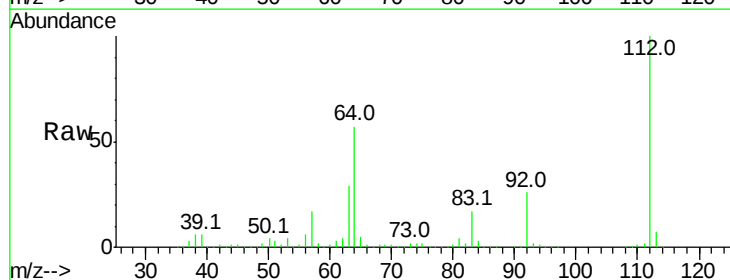


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

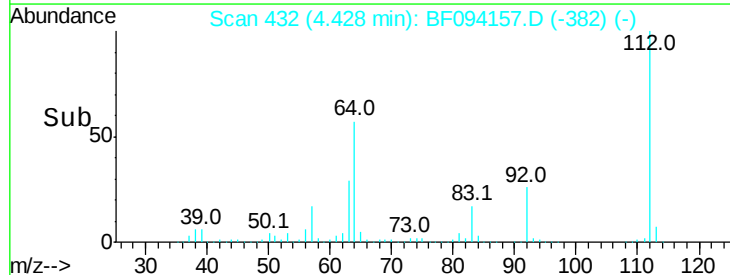
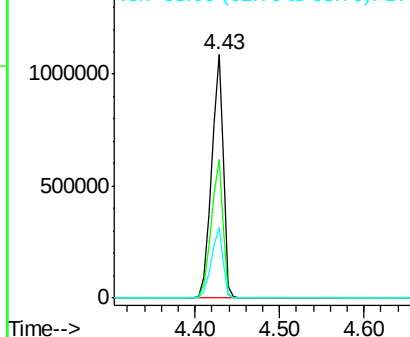


#5
 2-Fluorophenol
 Concen: 104.30 ng
 RT: 4.43 min Scan# 432
 Delta R.T. -0.01 min
 Lab File: BF094157.D
 Acq: 4 Apr 2017 9:25

Tgt Ion:112 Resp: 1092976
 Ion Ratio Lower Upper
 112 100
 64 56.8 46.0 69.0
 63 29.0 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: 105.65 ng

RT: 5.50 min Scan# 614

Delta R.T. -0.01 min

Lab File: BF094157.D

Acq: 4 Apr 2017 9:25

Instrument :

BNA_F

ClientSampleId :

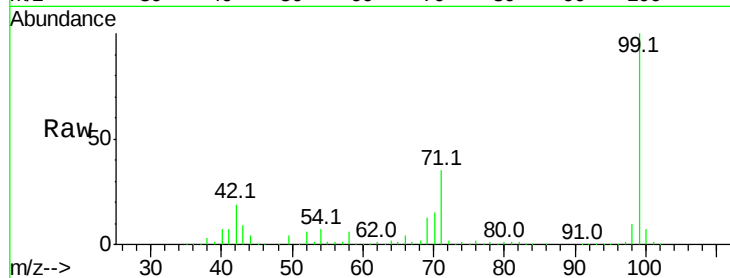
Tot Ion: 99 Resp: 1369695

Ion Ratio Lower Upper

99 100

42 18.6 13.5 20.3

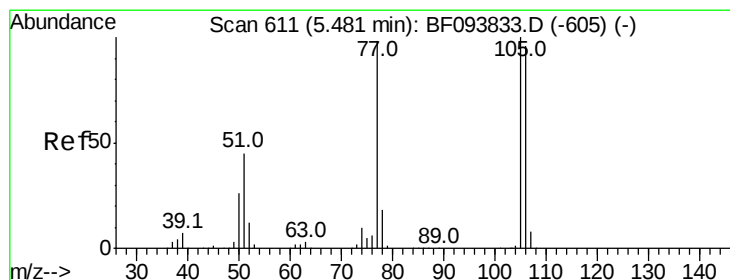
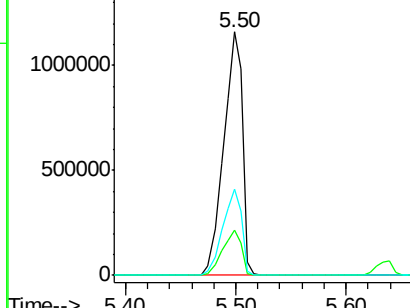
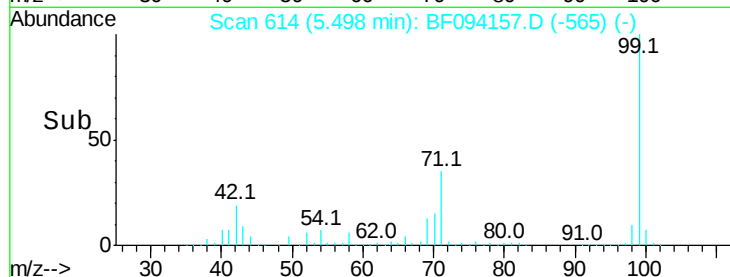
71 35.5 24.5 36.7



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



#9

Benzaldehyde

Concen: 2.73 ng

RT: 5.64 min Scan# 638

Delta R.T. 0.24 min

Lab File: BF094157.D

Acq: 4 Apr 2017 9:25

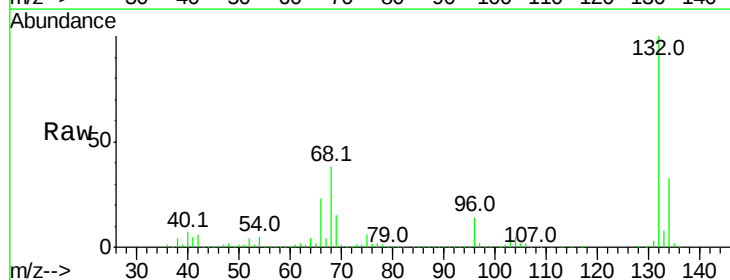
Tgt Ion: 77 Resp: 23893

Ion Ratio Lower Upper

77 100

105 83.8 83.8 123.8

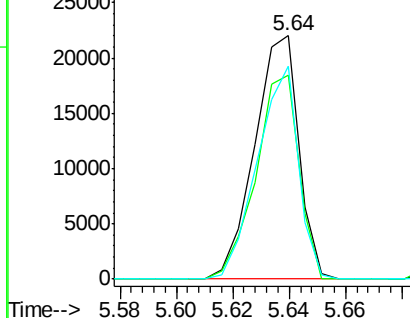
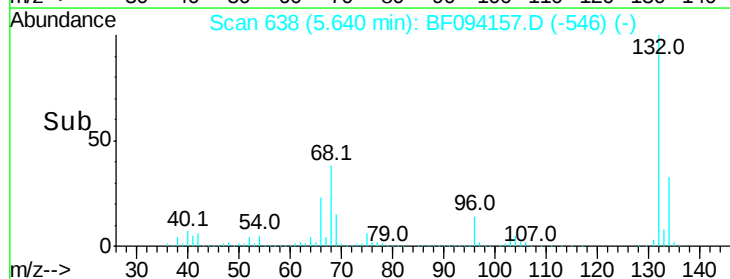
106 87.6 79.1 119.1

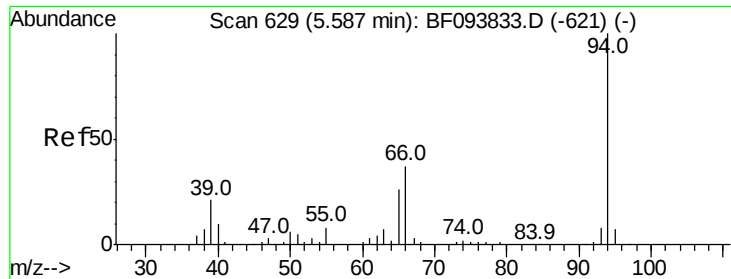


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 2.26 ng

RT: 5.51 min Scan# 616

Delta R.T. -0.02 min

Lab File: BF094157.D

Acq: 4 Apr 2017 9:25

Instrument :

BNA_F

ClientSampleId :

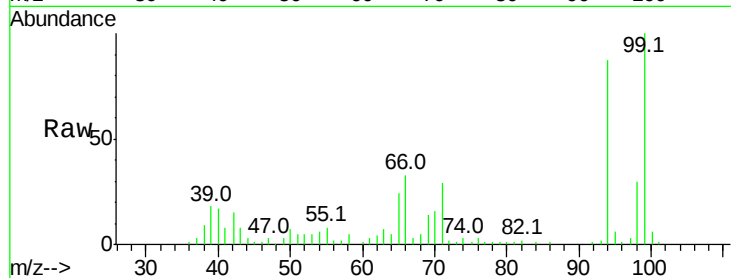
Tot Ion: 94 Resp: 33280

Ion Ratio Lower Upper

94 100

65 27.8 9.9 49.9

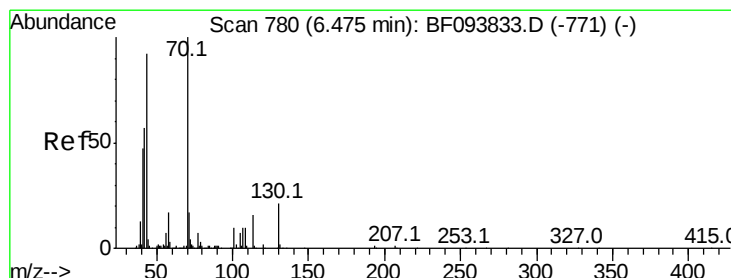
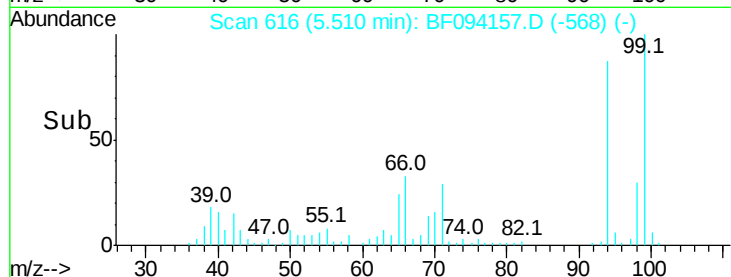
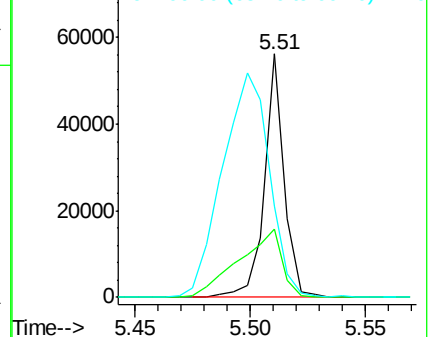
66 37.7 23.1 63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 11.28 ng

RT: 6.54 min Scan# 791

Delta R.T. 0.15 min

Lab File: BF094157.D

Acq: 4 Apr 2017 9:25

Tgt Ion: 70 Resp: 94020

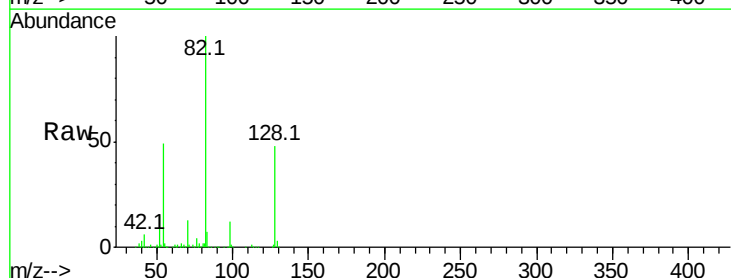
Ion Ratio Lower Upper

70 100

42 44.0 47.2 70.8#

101 0.0 7.2 10.8#

130 1.9 15.9 23.9#

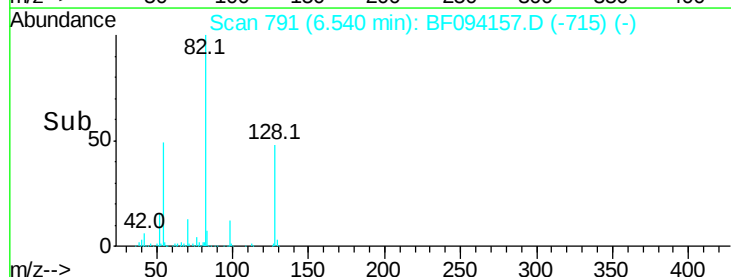
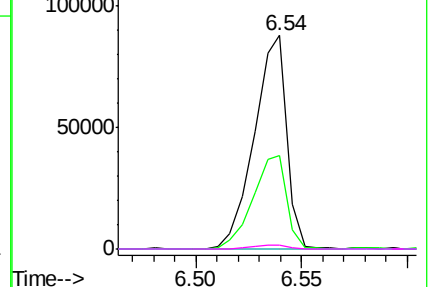


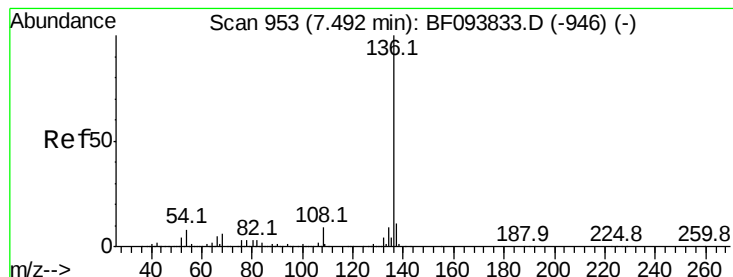
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.39 min Scan# 936

Delta R.T. -0.02 min

Lab File: BF094157.D

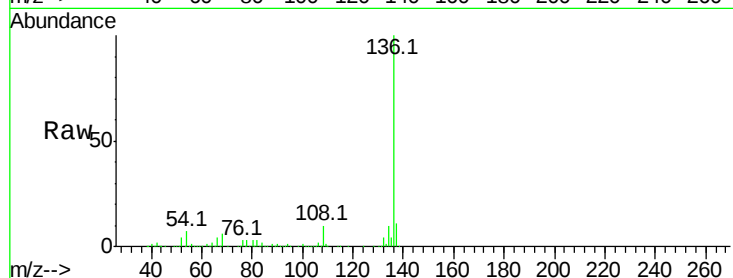
Acq: 4 Apr 2017 9:25

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	136	Resp:	659621
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	7.5	4.9	7.3#
68	6.0	4.1	6.1

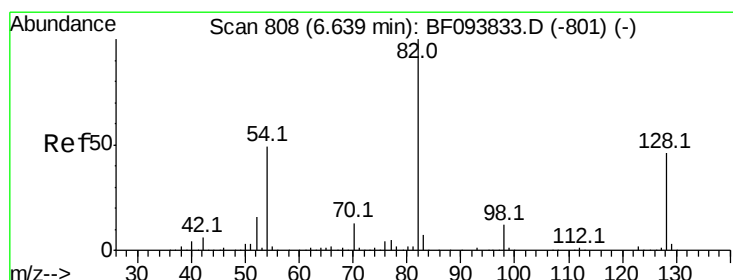
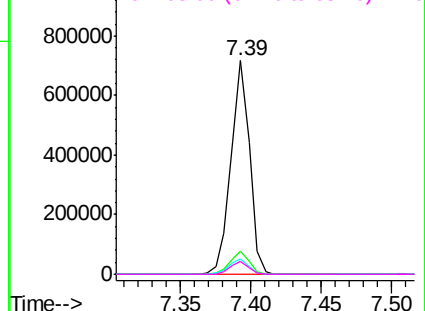
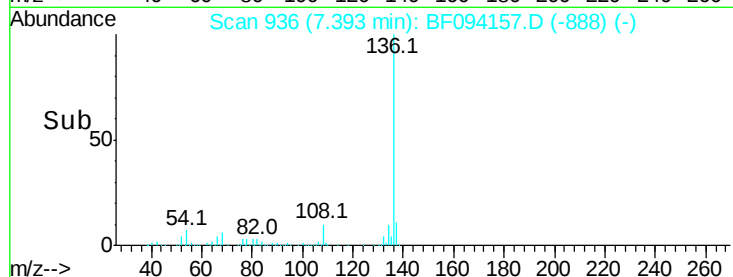


Abundance Ion 136.00 (135.70 to 136.70): E

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: 61.63 ng

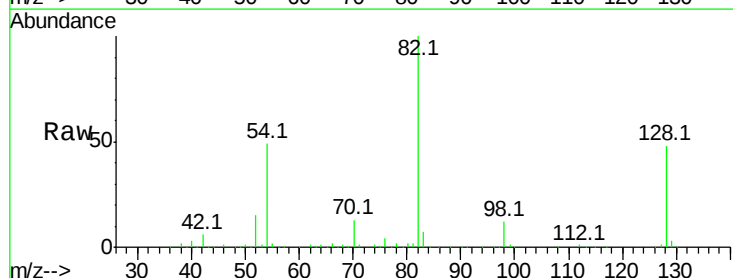
RT: 6.54 min Scan# 791

Delta R.T. -0.02 min

Lab File: BF094157.D

Acq: 4 Apr 2017 9:25

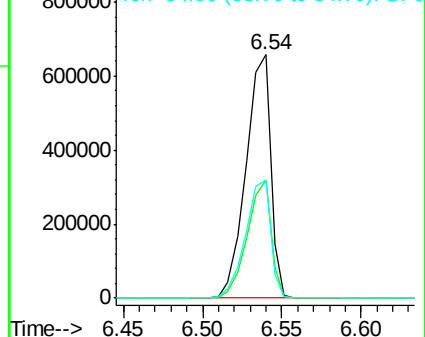
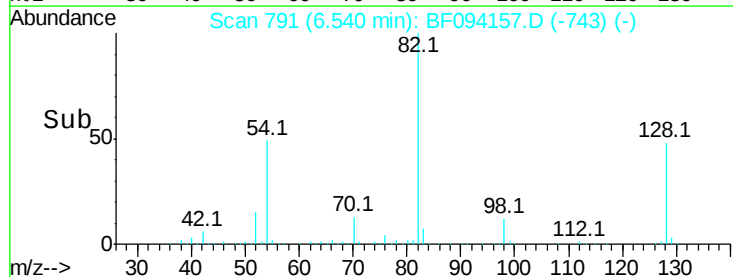
Tgt Ion:	82	Resp:	712332
Ion	Ratio	Lower	Upper
82	100		
128	48.5	34.0	51.0
54	48.7	42.2	63.2

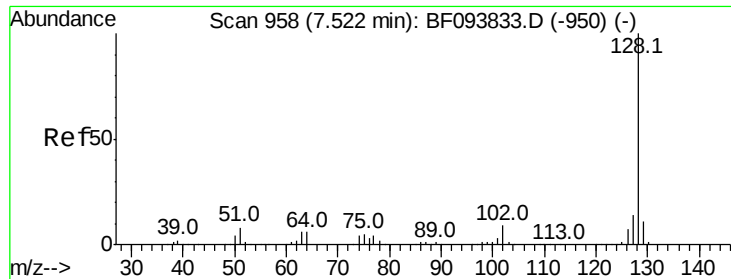


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

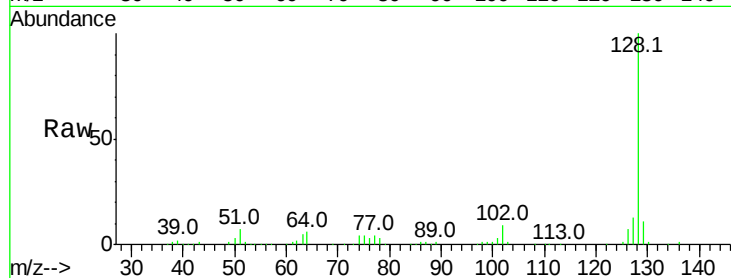




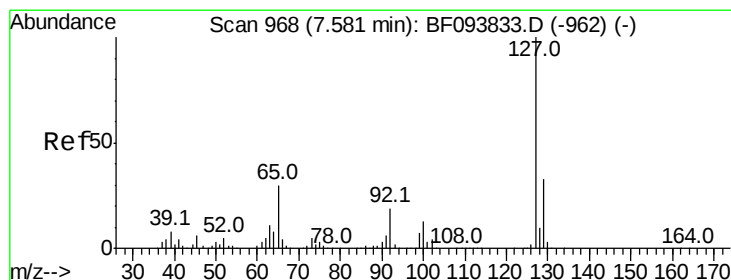
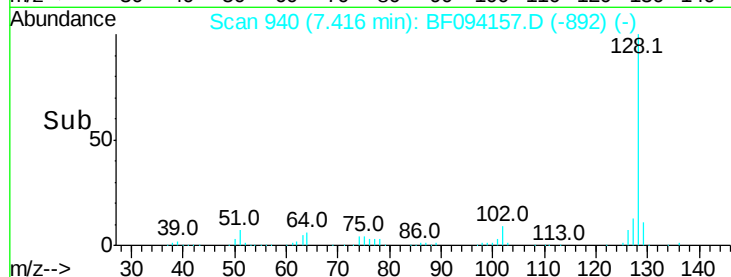
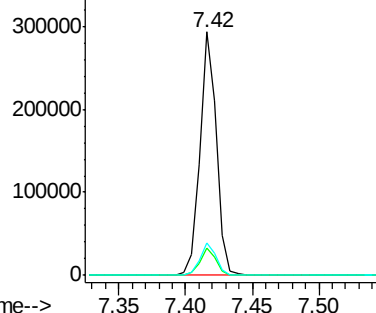
#31
Naphthalene
Concen: 8.05 ng
RT: 7.42 min Scan# 940
Delta R.T. -0.02 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 255240
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.6
127 13.4 10.8 16.2

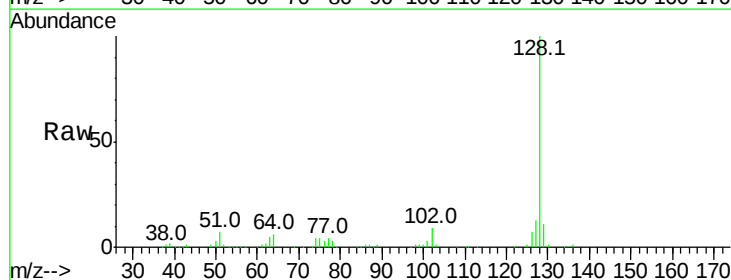


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

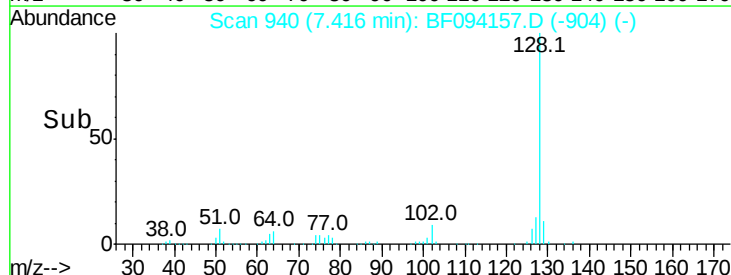
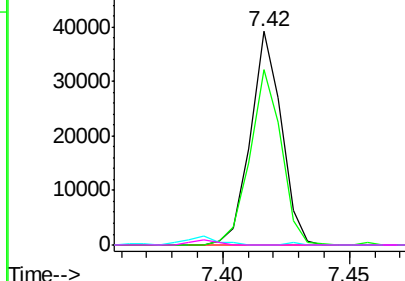


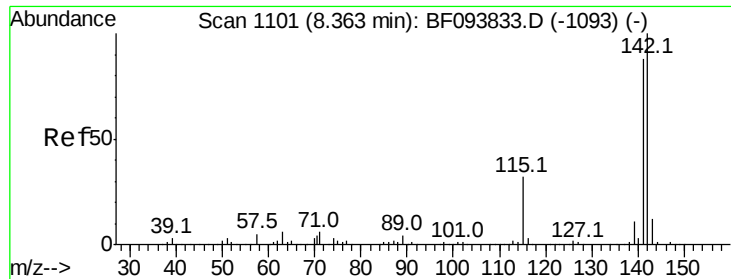
#33
4-Chloroaniline
Concen: 2.60 ng
RT: 7.42 min Scan# 940
Delta R.T. -0.09 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

Tgt Ion:127 Resp: 33391
Ion Ratio Lower Upper
127 100
129 82.2 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

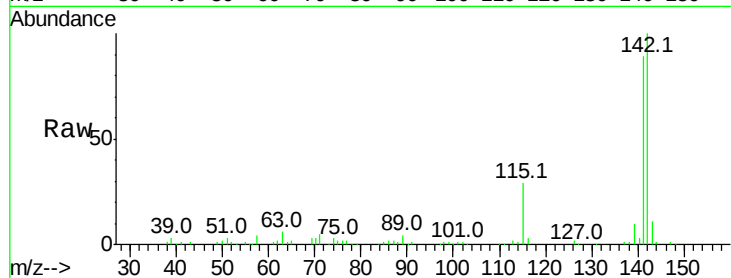




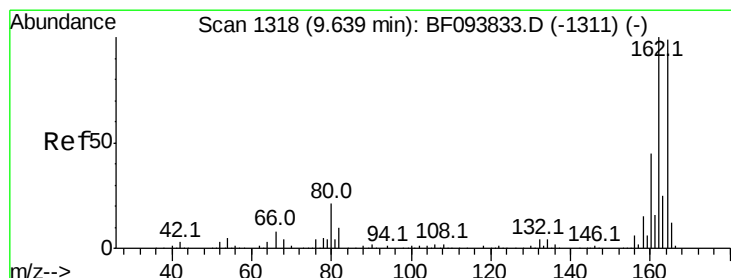
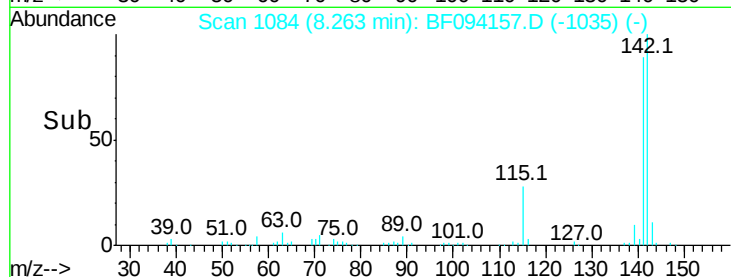
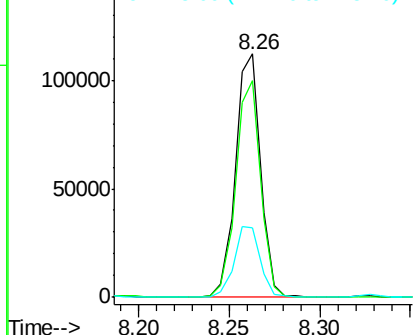
#37
 2-Methylnaphthalene
 Concen: 5.10 ng
 RT: 8.26 min Scan# 1084
 Delta R.T. -0.01 min
 Lab File: BF094157.D
 Acq: 4 Apr 2017 9:25

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion:142 Resp: 107868
 Ion Ratio Lower Upper
 142 100
 141 88.9 71.3 106.9
 115 28.7 27.1 40.7

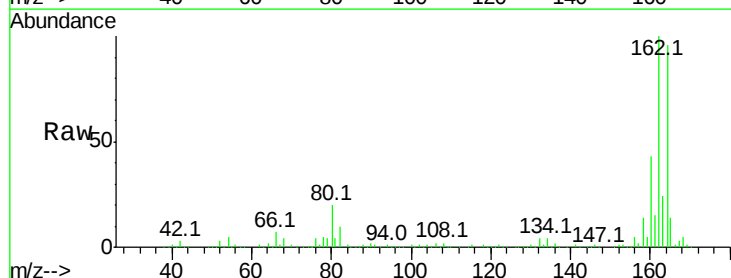


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

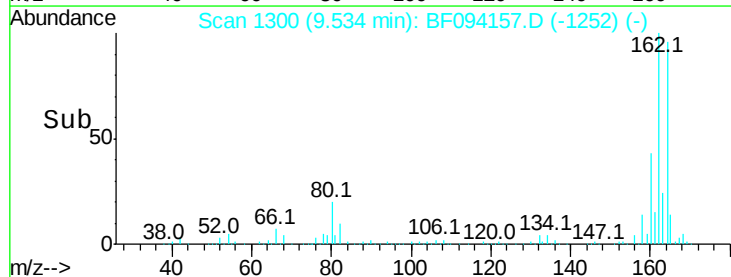
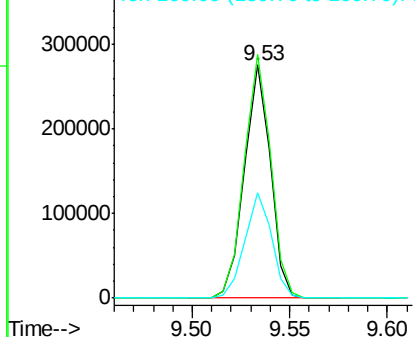


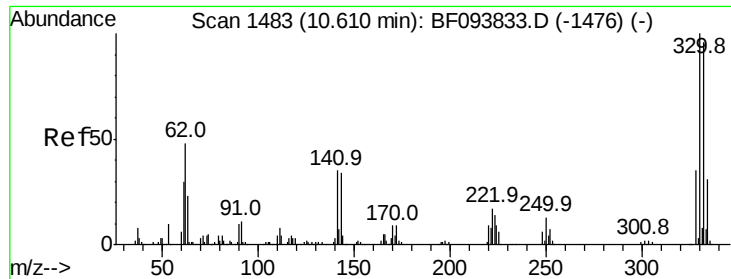
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.53 min Scan# 1300
 Delta R.T. -0.02 min
 Lab File: BF094157.D
 Acq: 4 Apr 2017 9:25

Tgt Ion:164 Resp: 256200
 Ion Ratio Lower Upper
 164 100
 162 104.4 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

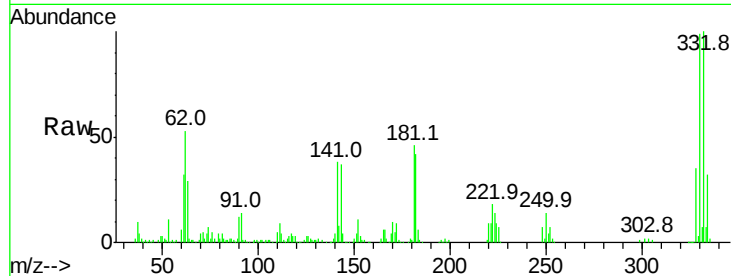




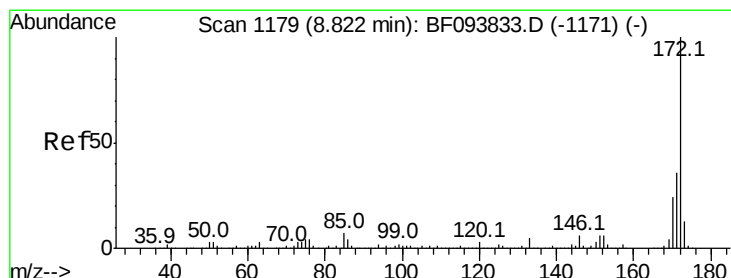
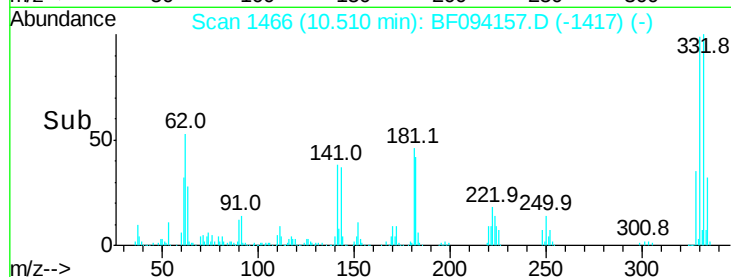
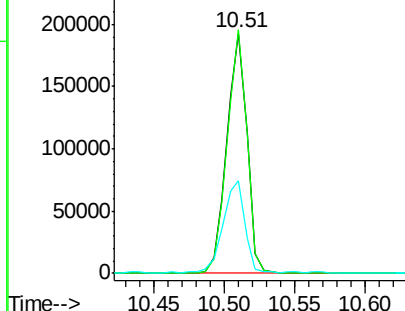
#41
 2,4,6-Tribromophenol
 Concen: 95.05 ng
 RT: 10.51 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF094157.D
 Acq: 4 Apr 2017 9:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 192427
 Ion Ratio Lower Upper
 330 100
 332 98.6 76.6 115.0
 141 41.1 31.4 47.2

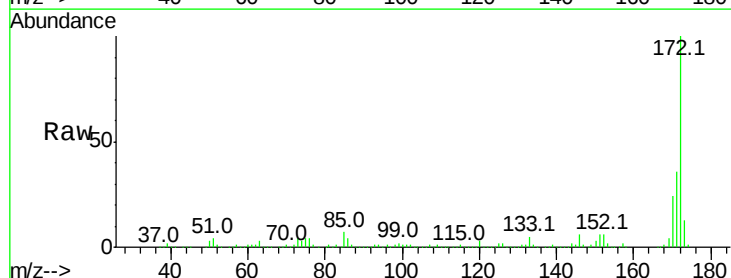


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

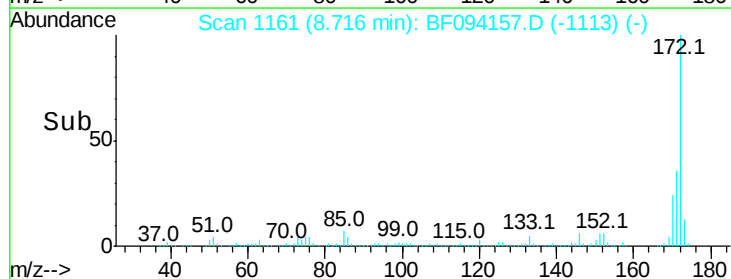
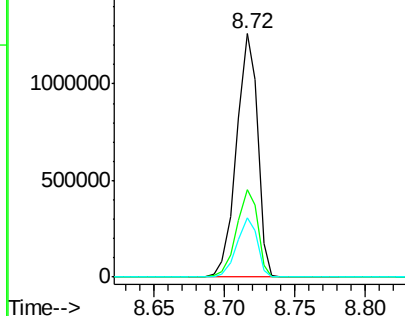


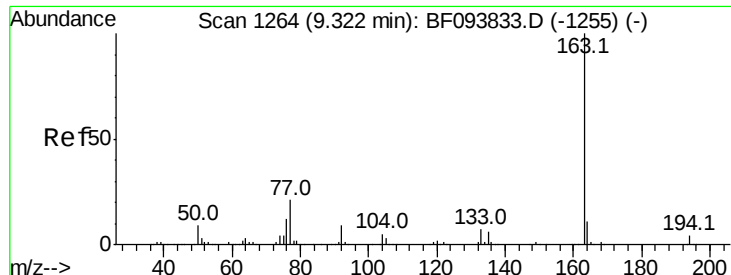
#44
 2-Fluorobiphenyl
 Concen: 77.96 ng
 RT: 8.72 min Scan# 1161
 Delta R.T. -0.02 min
 Lab File: BF094157.D
 Acq: 4 Apr 2017 9:25

Tgt Ion:172 Resp: 1309450
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.6 44.4
 170 24.4 19.8 29.8



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

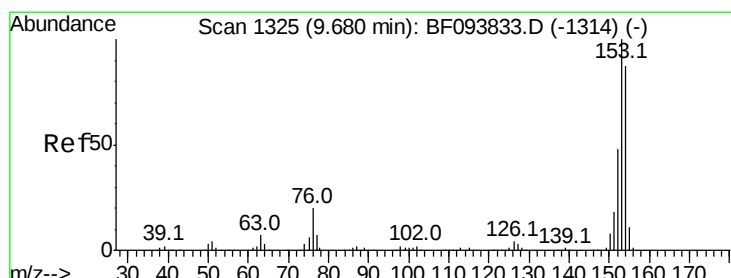
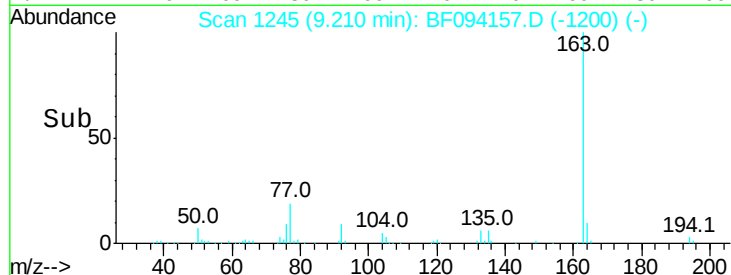
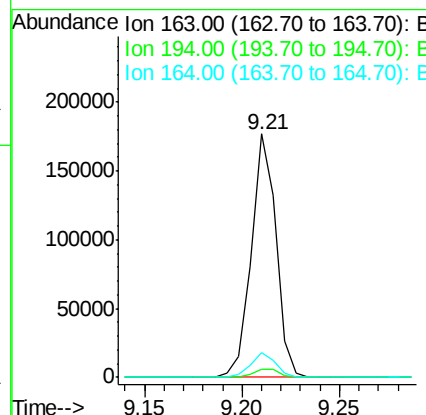
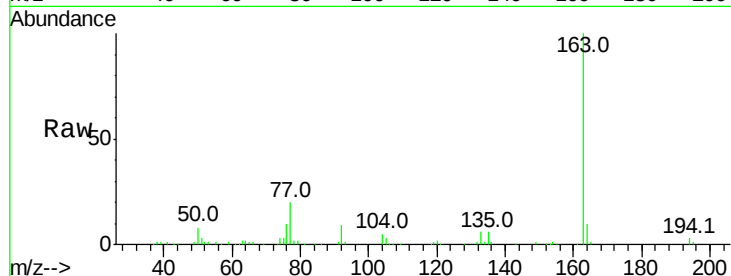




#49
Dimethylphthalate
Concen: 8.51 ng
RT: 9.21 min Scan# 1245
Delta R.T. -0.04 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

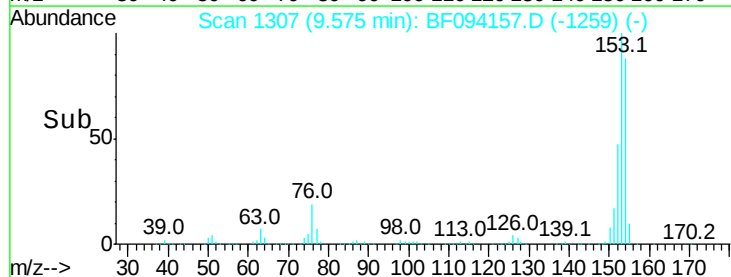
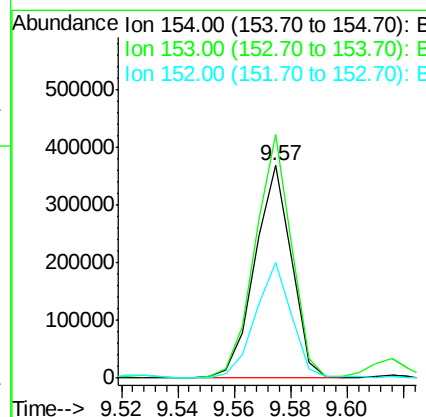
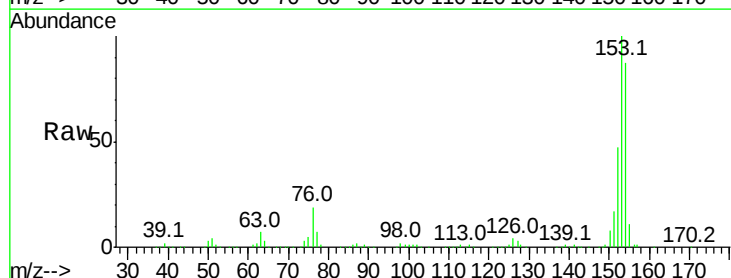
Instrument :
BNA_F
ClientSampleId :

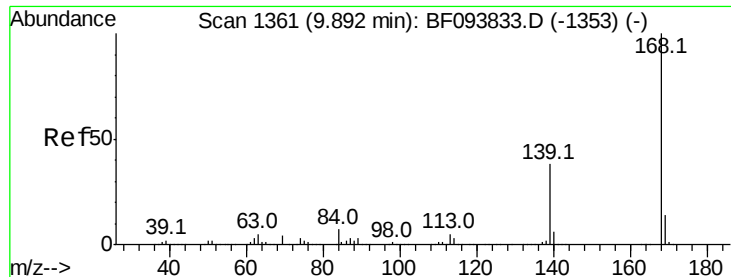
Tot Ion:163 Resp: 155038
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 10.1 8.4 12.6



#51
Acenaphthene
Concen: 21.06 ng
RT: 9.57 min Scan# 1307
Delta R.T. -0.02 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

Tgt Ion:154 Resp: 330371
Ion Ratio Lower Upper
154 100
153 114.5 90.5 135.7
152 54.1 43.6 65.4

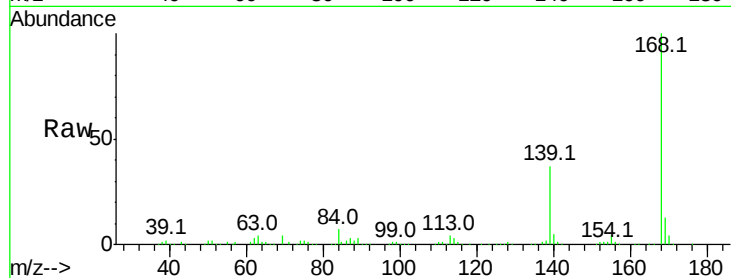




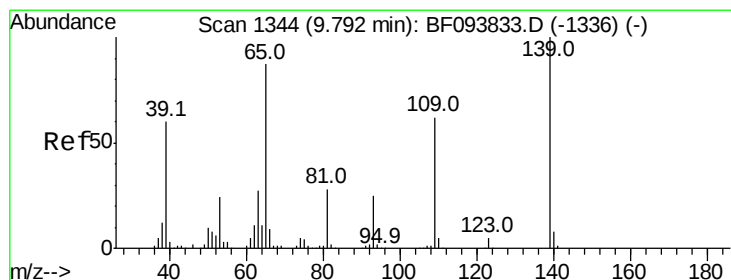
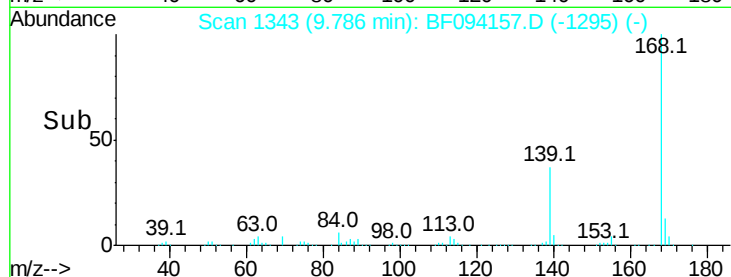
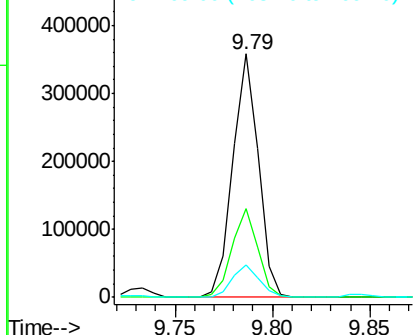
#54
Dibenzofuran
Concen: 15.31 ng
RT: 9.79 min Scan# 1343
Delta R.T. -0.02 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

Instrument :
BNA_F
ClientSampled :

Tot Ion:168 Resp: 326884
Ion Ratio Lower Upper
168 100
139 36.6 30.6 45.8
169 13.3 10.8 16.2

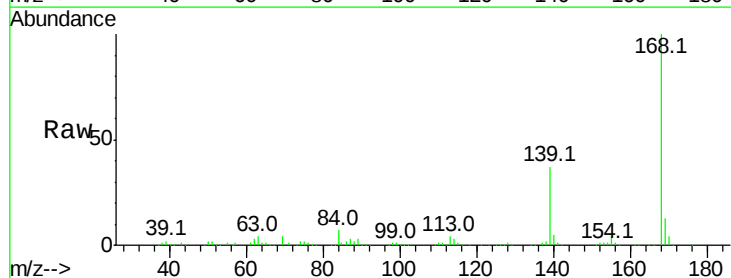


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

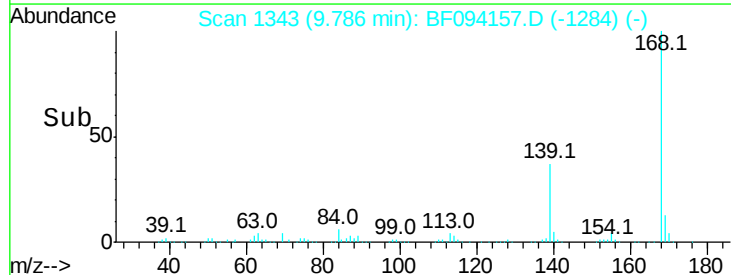
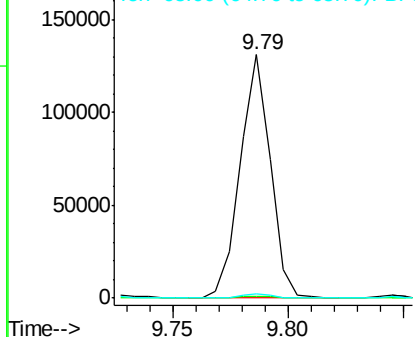


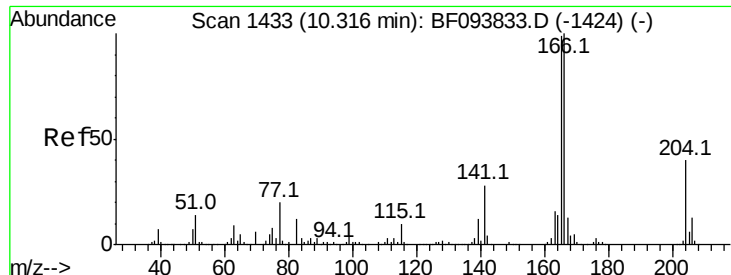
#55
4-Nitrophenol
Concen: 31.18 ng
RT: 9.79 min Scan# 1343
Delta R.T. 0.05 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

Tgt Ion:139 Resp: 119691
Ion Ratio Lower Upper
139 100
109 0.8 34.1 74.1#
65 1.7 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

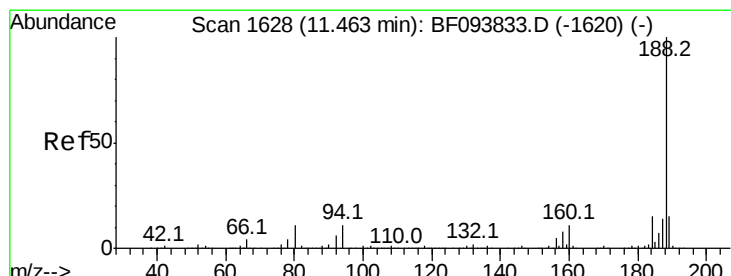
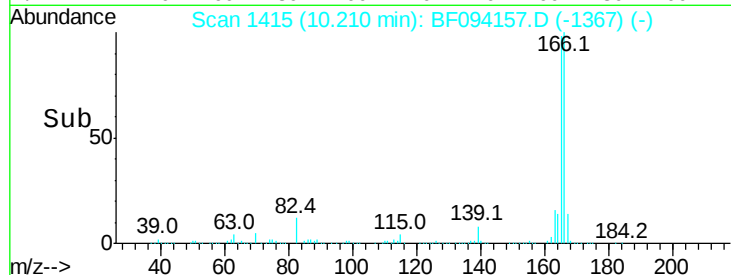
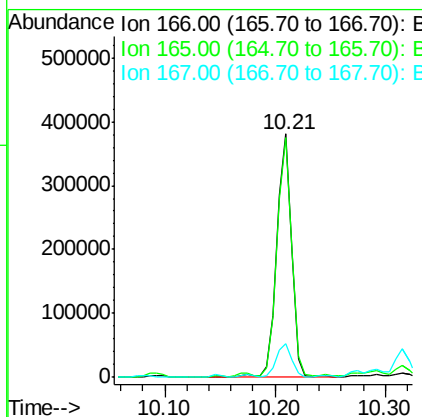
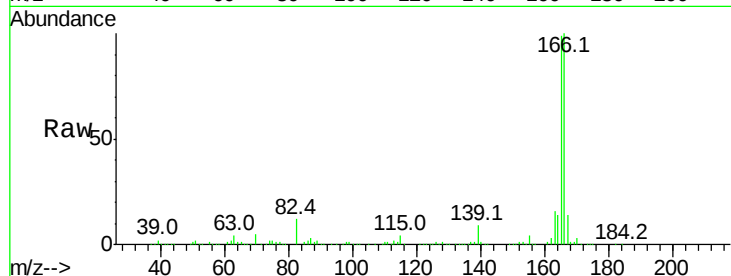




#57
Fluorene
 Concen: 20.49 ng
 RT: 10.21 min Scan# 1415
 Delta R.T. -0.02 min
 Lab File: BF094157.D
 Acq: 4 Apr 2017 9:25

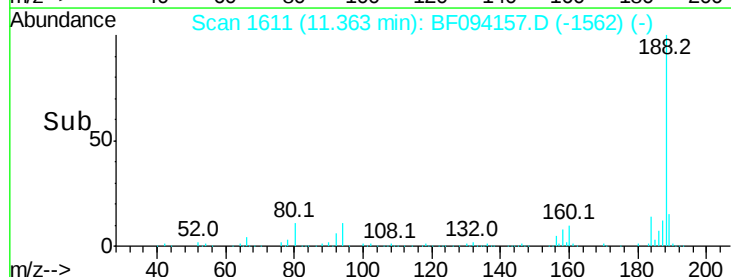
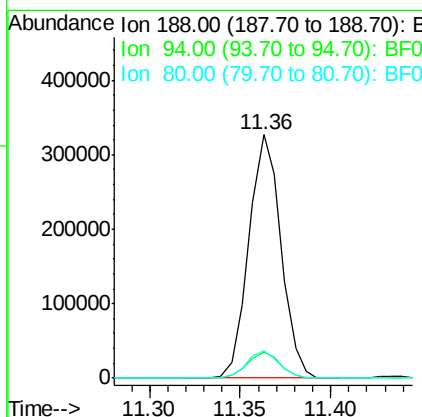
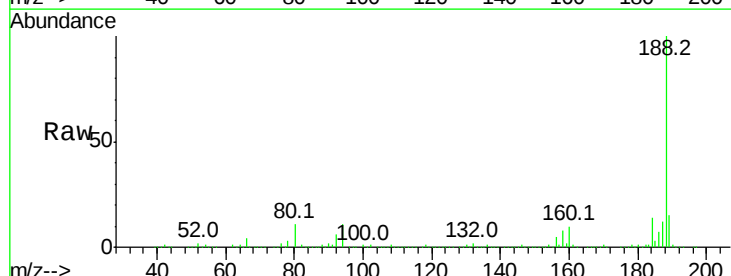
Instrument :
 BNA_F
 ClientSampled :

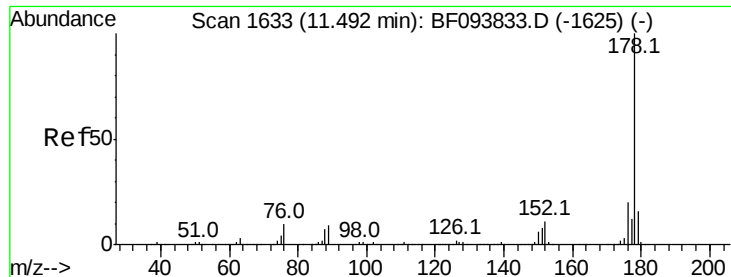
Tot Ion:166 Resp: 362808
 Ion Ratio Lower Upper
 166 100
 165 98.5 78.8 118.2
 167 14.1 10.6 16.0



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: BF094157.D
 Acq: 4 Apr 2017 9:25

Tgt Ion:188 Resp: 401529
 Ion Ratio Lower Upper
 188 100
 94 10.6 9.4 14.2
 80 11.2 10.2 15.2

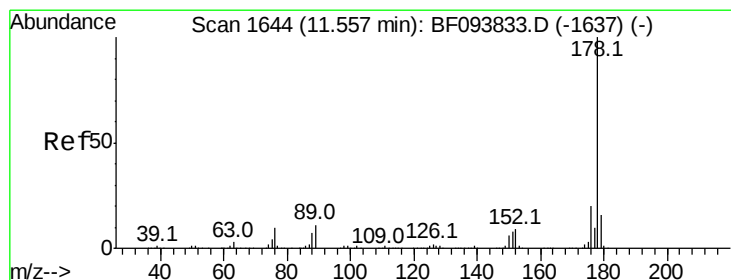
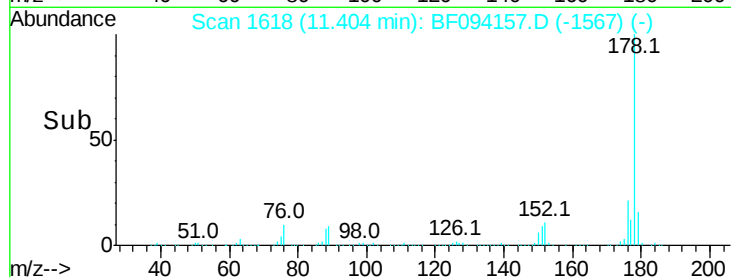
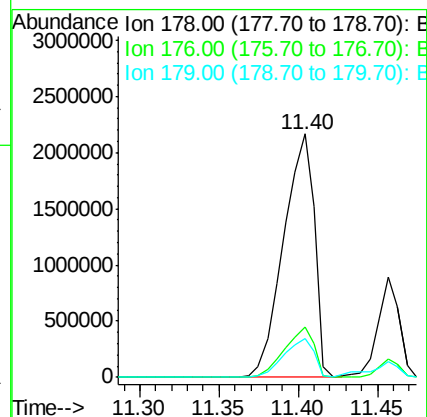
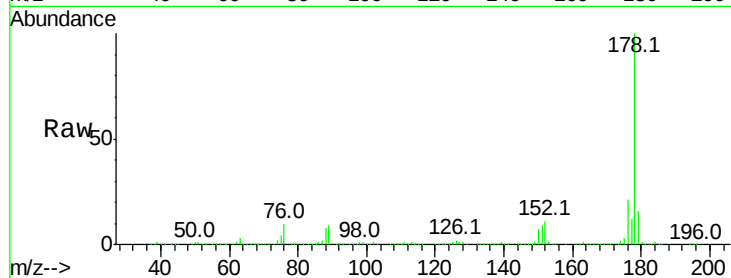




#70
Phenanthrene
Concen: 130.95 ng
RT: 11.40 min Scan# 1618
Delta R.T. 0.00 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

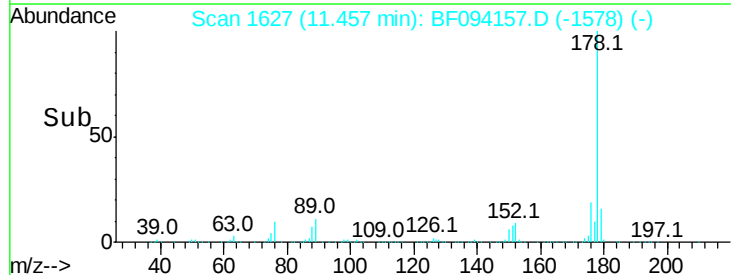
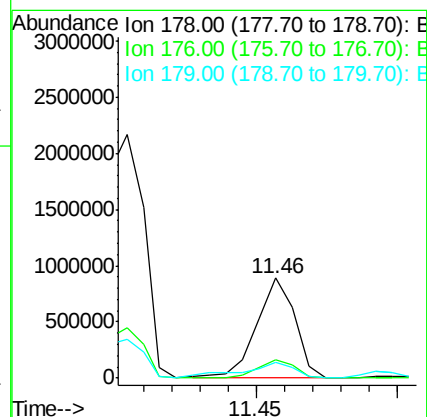
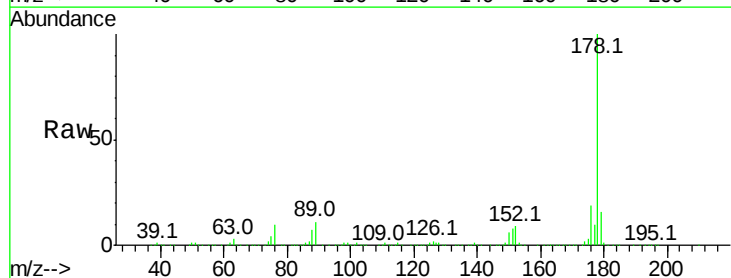
Instrument :
BNA_F
ClientSampleId :

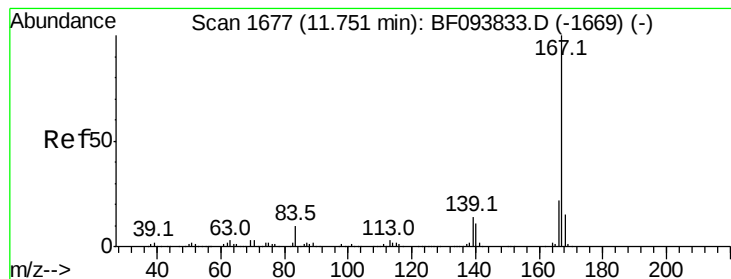
Tot Ion:178 Resp: 2925018
Ion Ratio Lower Upper
178 100
176 20.5 16.2 24.4
179 16.0 12.6 19.0



#71
Anthracene
Concen: 36.06 ng
RT: 11.46 min Scan# 1627
Delta R.T. -0.01 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

Tgt Ion:178 Resp: 829328
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.8
179 15.9 12.7 19.1





#72

Carbazole

Concen: 18.40 ng

RT: 11.66 min Scan# 1661

Delta R.T. -0.01 min

Lab File: BF094157.D

Acq: 4 Apr 2017 9:25

Instrument :

BNA_F

ClientSampleId :

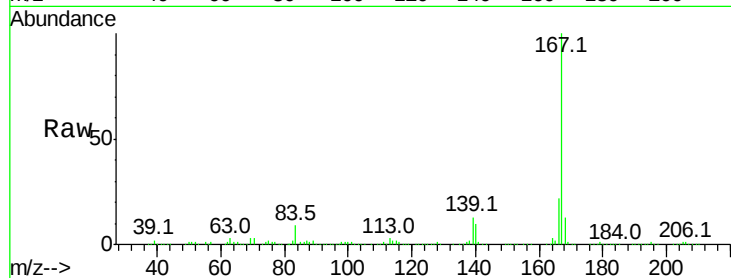
Tot Ion:167 Resp: 433927

Ion Ratio Lower Upper

167 100

166 22.2 18.1 27.1

139 13.4 11.7 17.5

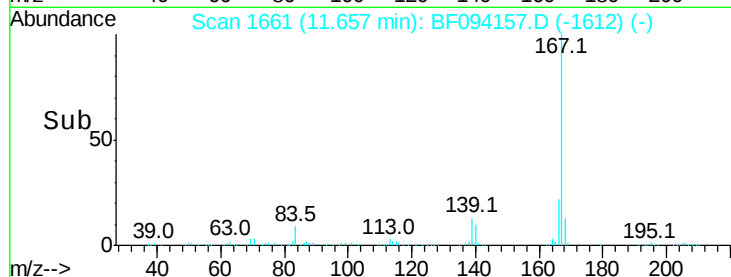


Abundance Ion 167.00 (166.70 to 167.70): E

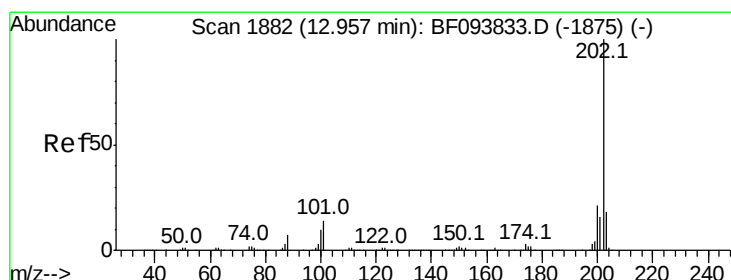
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

11.66



Time-->



#74

Fluoranthene

Concen: 121.17 ng

RT: 12.87 min Scan# 1867

Delta R.T. 0.00 min

Lab File: BF094157.D

Acq: 4 Apr 2017 9:25

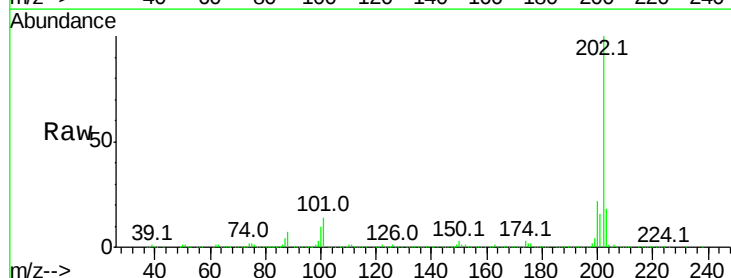
Tgt Ion:202 Resp: 2771322

Ion Ratio Lower Upper

202 100

101 13.6 0.0 33.2

203 18.1 0.0 38.1

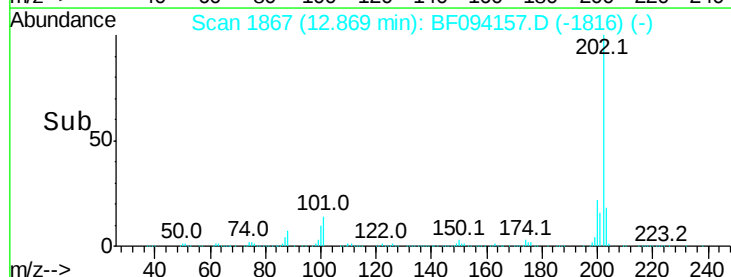


Abundance Ion 202.00 (201.70 to 202.70): E

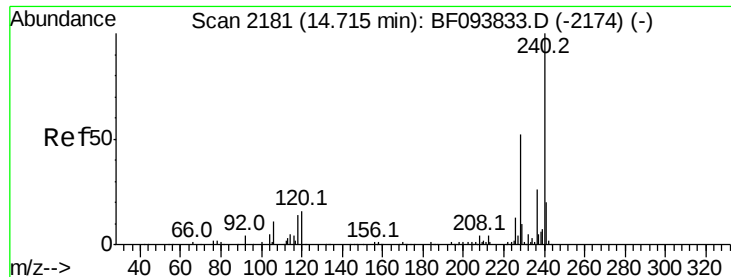
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

12.87



Time-->



#75

Chrvsene-d12

Concen: 20.00 ng

RT: 14.62 min Scan# 2165

Delta R.T. -0.01 min

Lab File: BF094157.D

Acq: 4 Apr 2017 9:25

Instrument :

BNA_F

ClientSampleId :

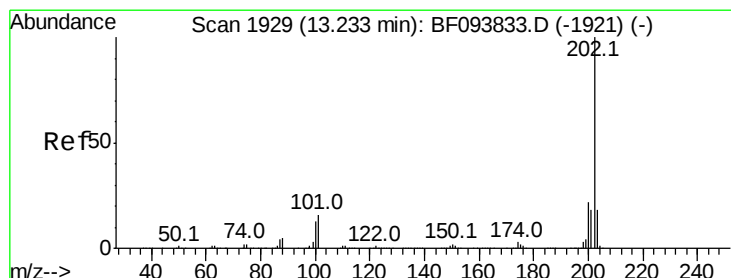
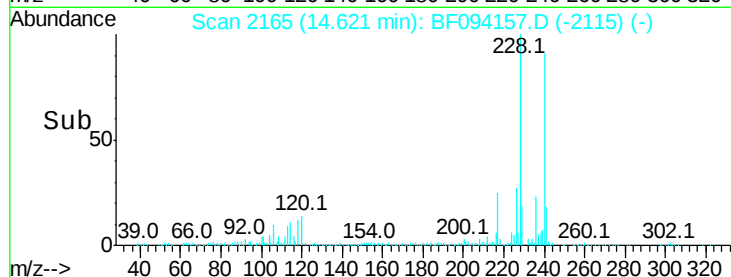
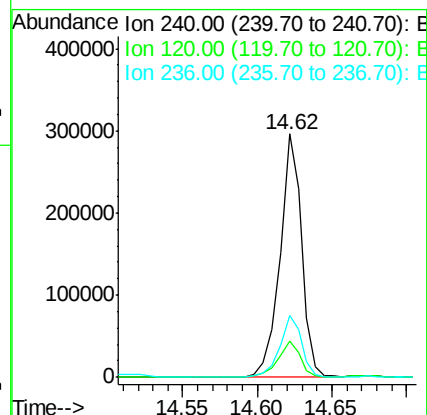
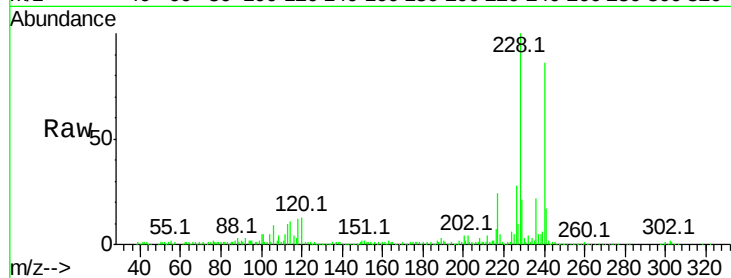
Tot Ion:240 Resp: 297983

Ion Ratio Lower Upper

240 100

120 15.1 5.8 8.8#

236 25.5 20.5 30.7



#77

Pyrene

Concen: 106.10 ng

RT: 13.15 min Scan# 1914

Delta R.T. 0.00 min

Lab File: BF094157.D

Acq: 4 Apr 2017 9:25

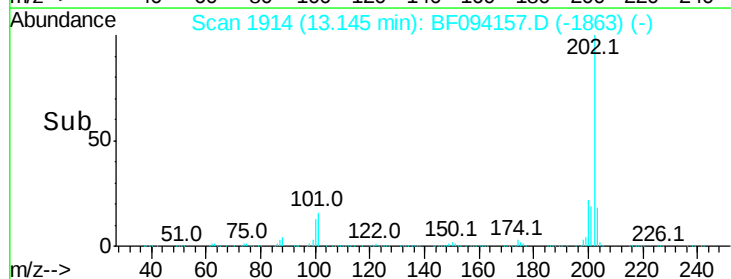
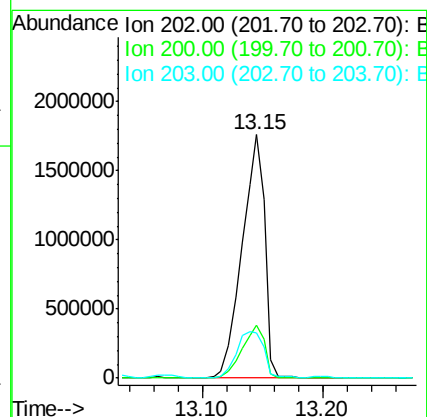
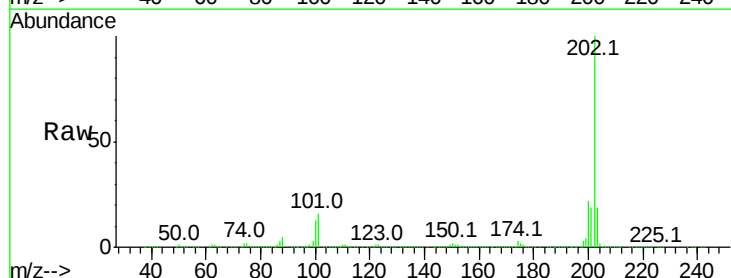
Tgt Ion:202 Resp: 2294419

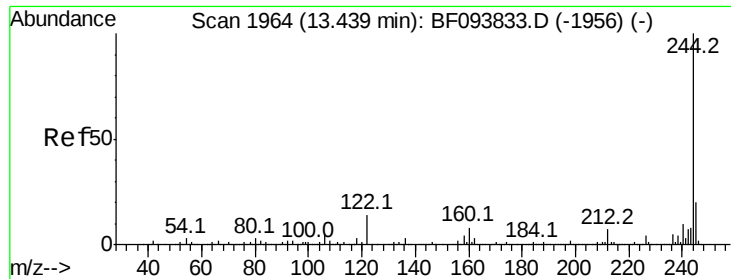
Ion Ratio Lower Upper

202 100

200 21.7 17.6 26.4

203 18.6 14.4 21.6

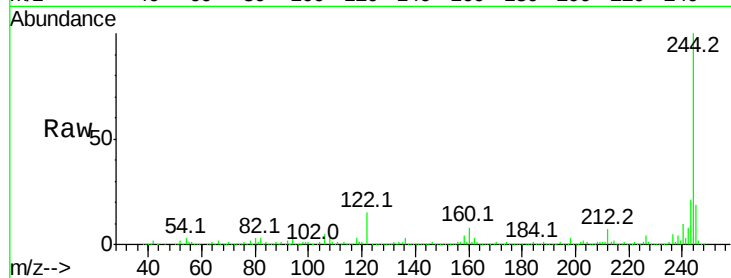




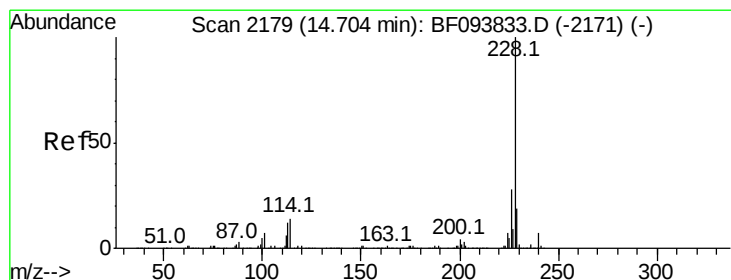
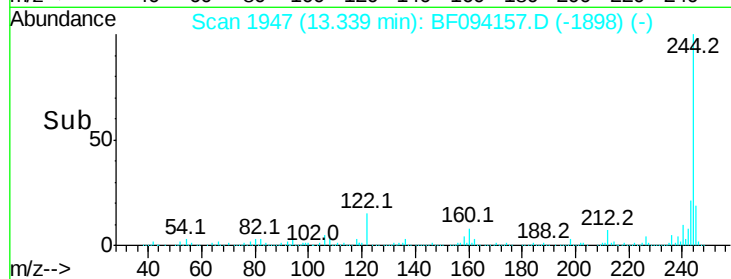
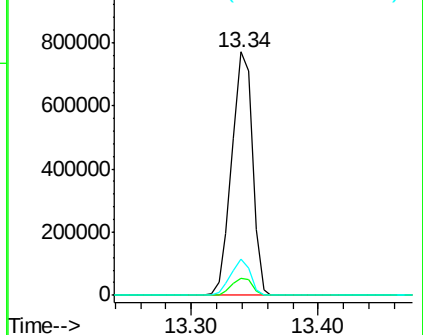
#78
 Terphenyl-d14
 Concen: 65.20 ng
 RT: 13.34 min Scan# 1947
 Delta R.T. -0.01 min
 Lab File: BF094157.D
 Acq: 4 Apr 2017 9:25

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 866775
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 14.8 10.3 15.5

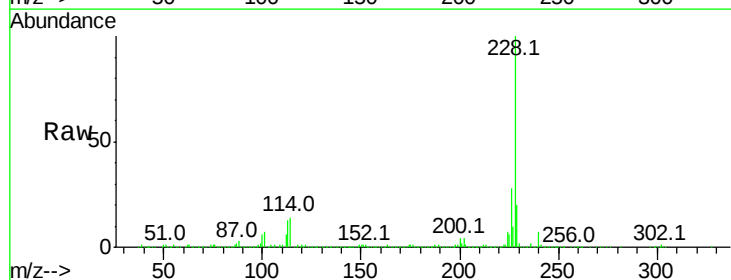


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

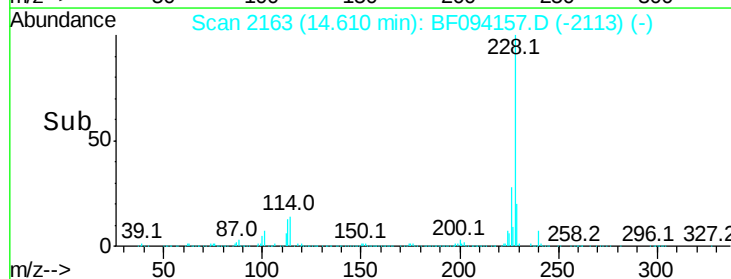
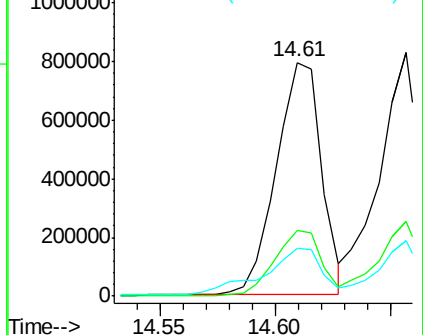


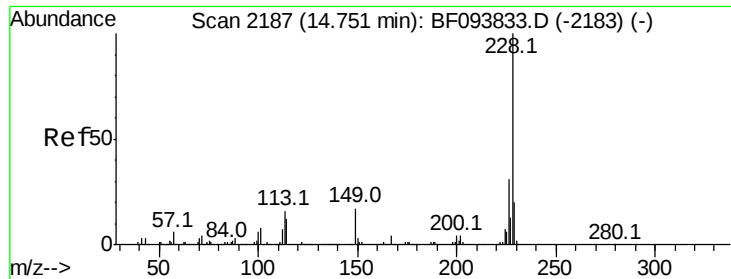
#80
 Benzo(a)anthracene
 Concen: 62.20 ng
 RT: 14.61 min Scan# 2163
 Delta R.T. -0.01 min
 Lab File: BF094157.D
 Acq: 4 Apr 2017 9:25

Tgt Ion:228 Resp: 1080804
 Ion Ratio Lower Upper
 228 100
 226 28.0 22.6 33.8
 229 20.5 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: 62.22 ng

RT: 14.66 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BF094157.D

Acq: 4 Apr 2017 9:25

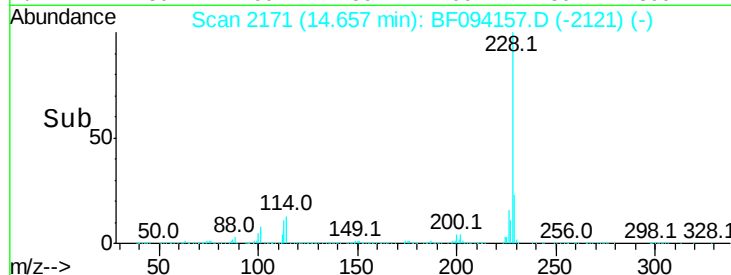
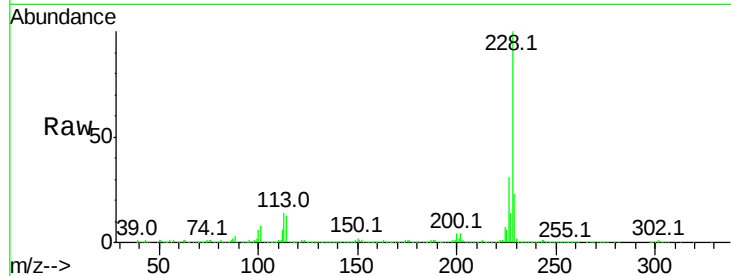
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 1003255

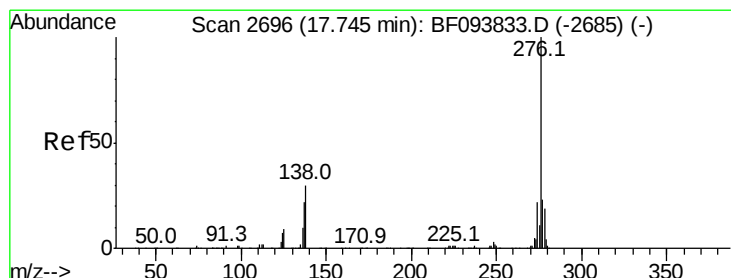
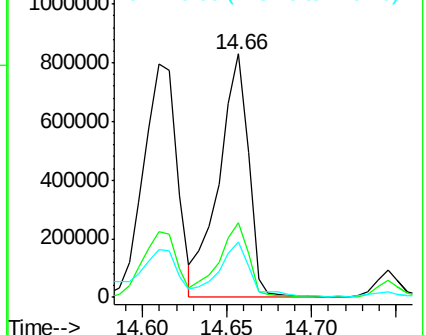
Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.9	37.3
229	22.8	15.8	23.6



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: 23.50 ng

RT: 17.60 min Scan# 2672

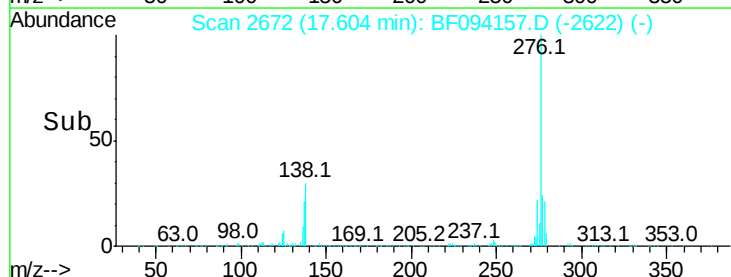
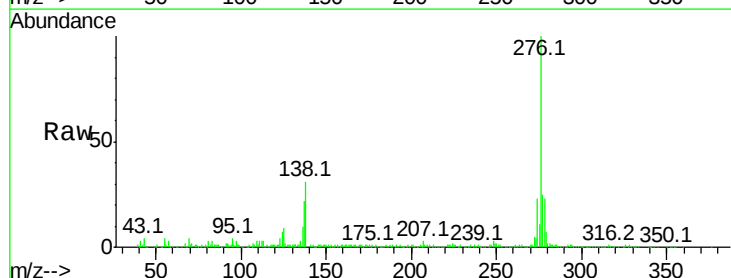
Delta R.T. -0.01 min

Lab File: BF094157.D

Acq: 4 Apr 2017 9:25

Tgt Ion:276 Resp: 328140

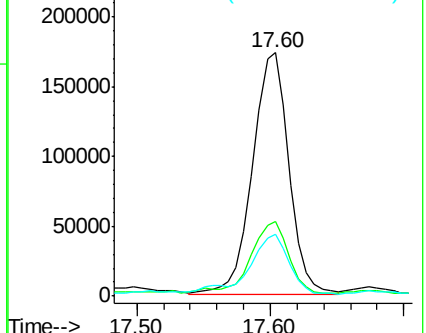
Ion	Ratio	Lower	Upper
276	100		
138	31.1	27.8	41.6
277	27.6	20.2	30.4

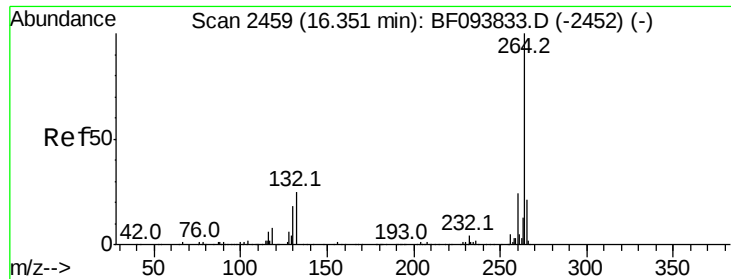


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

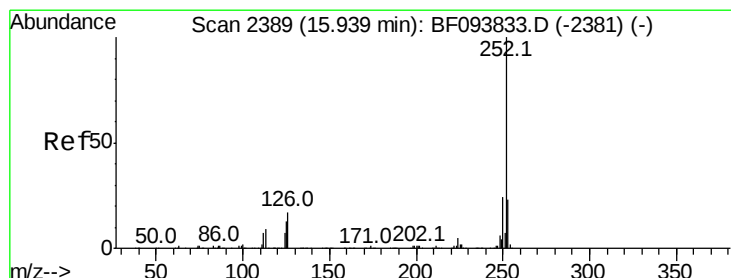
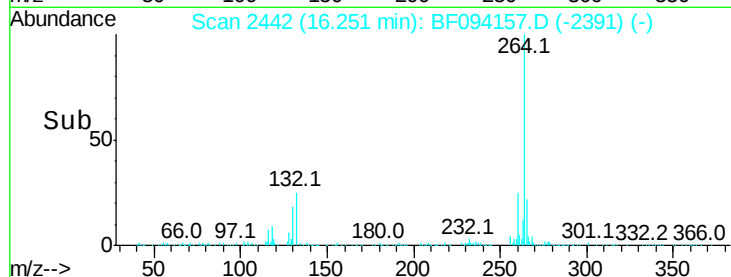
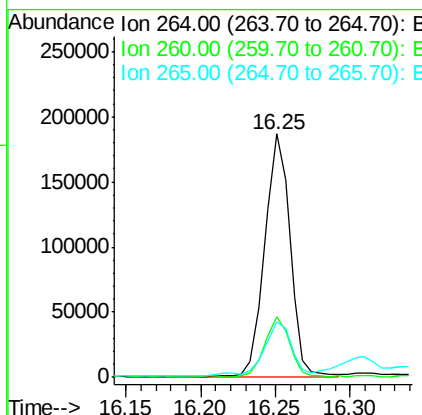
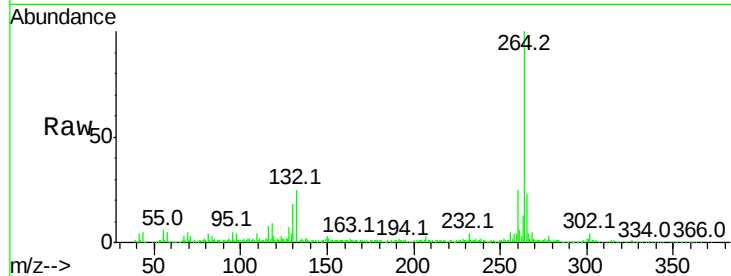




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.25 min Scan# 2442
Delta R.T. 0.00 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

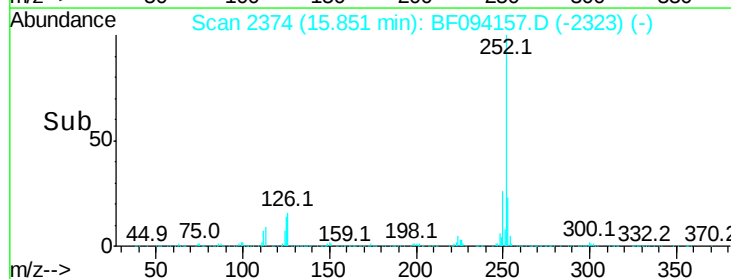
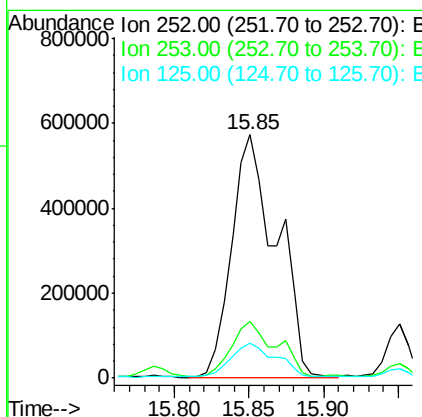
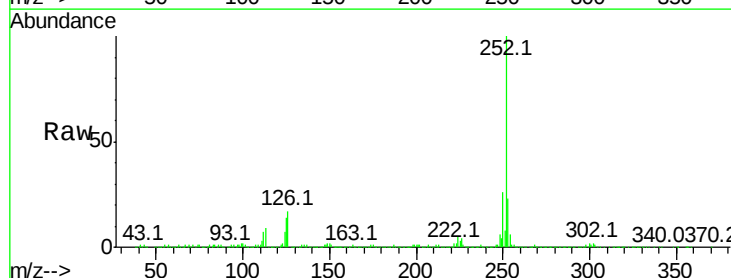
Instrument :
BNA_F
ClientSampleId :

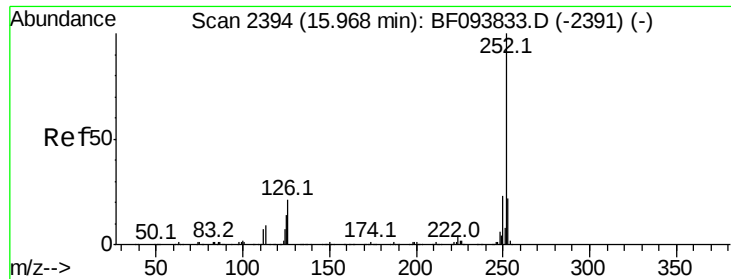
Tot Ion:264 Resp: 219275
Ion Ratio Lower Upper
264 100
260 24.7 19.5 29.3
265 22.7 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 88.92 ng
RT: 15.85 min Scan# 2374
Delta R.T. 0.00 min
Lab File: BF094157.D
Acq: 4 Apr 2017 9:25

Tgt Ion:252 Resp: 1195112
Ion Ratio Lower Upper
252 100
253 23.4 18.1 27.1
125 14.5 9.8 14.8





#88

Benzo(k)fluoranthene

Concen: 90.88 ng

RT: 15.85 min Scan# 2374

Delta R.T. -0.03 min

Lab File: BF094157.D

Acq: 4 Apr 2017 9:25

Instrument :

BNA_F

ClientSampleId :

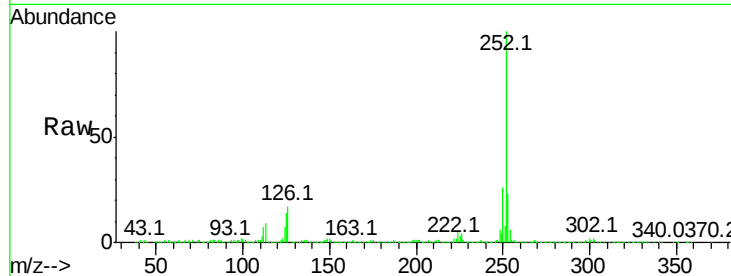
Tot Ion:252 Resp: 1195112

Ion Ratio Lower Upper

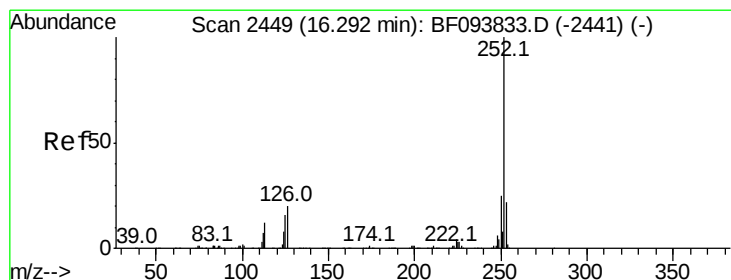
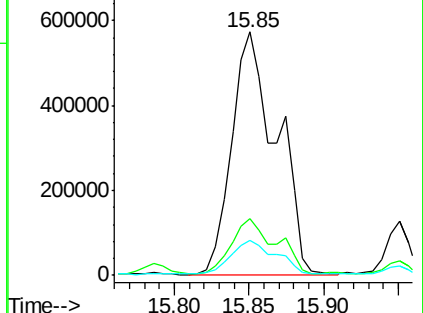
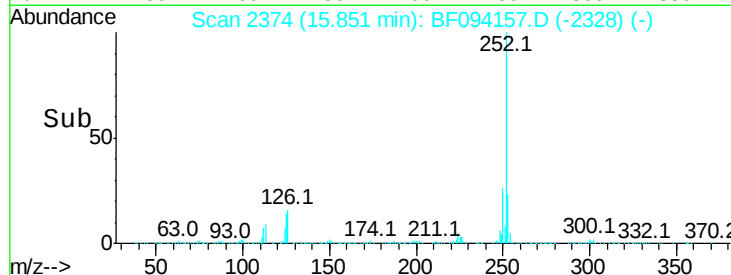
252 100

253 23.4 18.4 27.6

125 14.5 13.1 19.7



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: 47.16 ng

RT: 16.20 min Scan# 2433

Delta R.T. 0.00 min

Lab File: BF094157.D

Acq: 4 Apr 2017 9:25

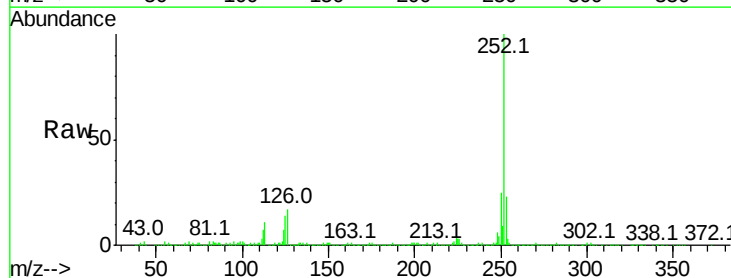
Tgt Ion:252 Resp: 583686

Ion Ratio Lower Upper

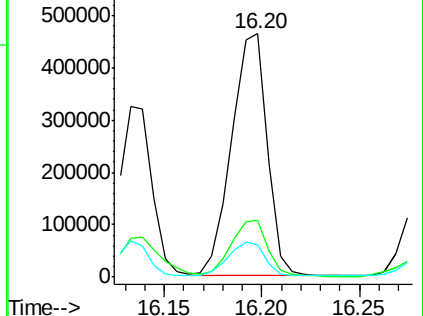
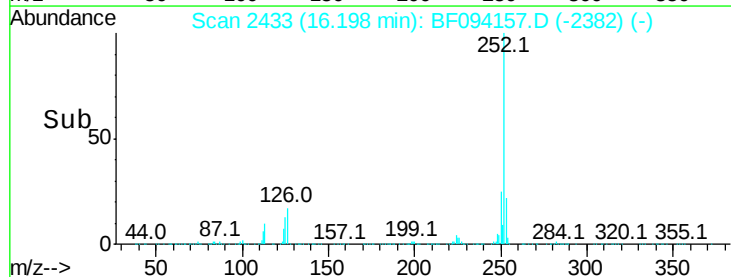
252 100

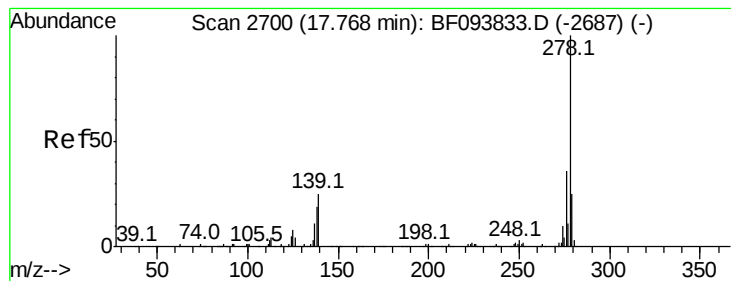
253 23.1 17.5 26.3

125 13.5 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





#90

Dibenzo(a,h)anthracene

Concen: 8.86 ng

RT: 17.62 min Scan# 2674

Delta R.T. -0.02 min

Lab File: BF094157.D

Acq: 4 Apr 2017 9:25

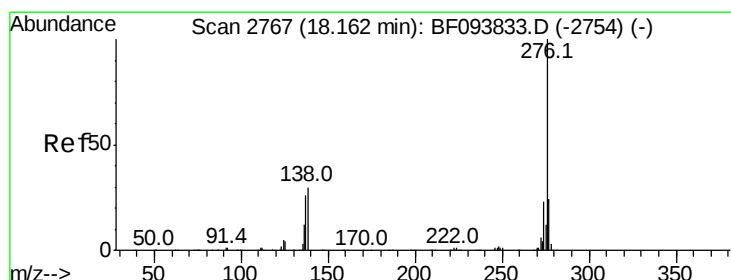
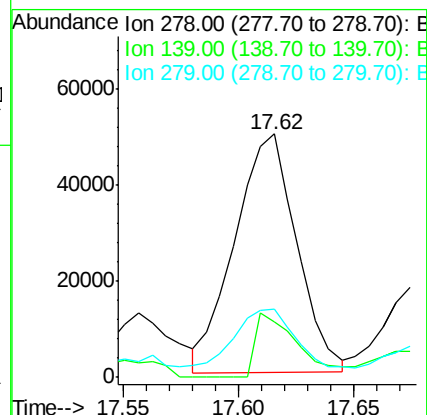
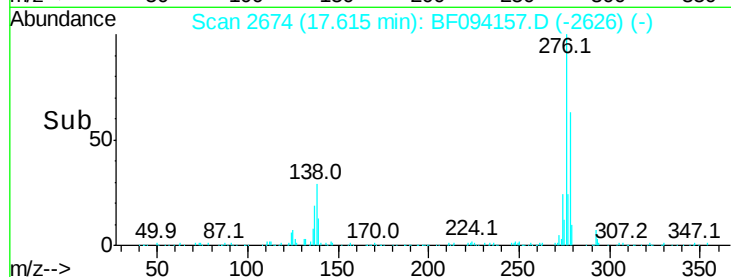
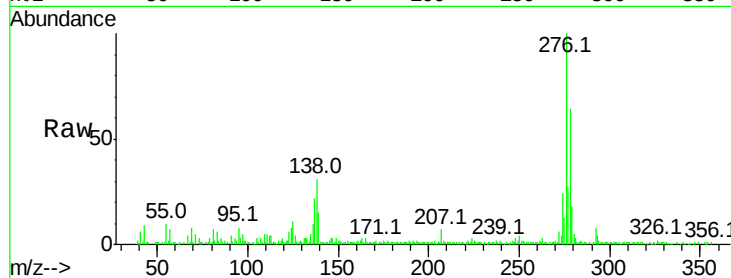
Instrument :

BNA_F

ClientSampleId :

Tot Ion:278 Resp: 92877

Ion	Ratio	Lower	Upper
278	100		
139	23.0	16.6	24.8
279	27.8	19.3	28.9



#91

Benzo(g,h,i)perylene

Concen: 27.26 ng

RT: 18.00 min Scan# 2739

Delta R.T. -0.01 min

Lab File: BF094157.D

Acq: 4 Apr 2017 9:25

Tgt Ion:276 Resp: 287927

Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.6	28.0
138	32.1	25.4	38.0

