

Data Path : Z:\HPCHEM1\BNA F\DATA\BF033117\
 Data File : BF094110.D
 Acq On : 31 Mar 2017 21:43
 Operator : SJ/MA
 Sample : I2463-10
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-BB-7-8-SSW

Quant Time: Mar 31 23:11:24 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	5.90	152	186945	20.00	ng	0.00
21) Naphthalene-d8	7.41	136	719740	20.00	ng	0.00
38) Acenaphthene-d10	9.55	164	307930	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	453952	20.00	ng	0.00
75) Chrysene-d12	14.63	240	305220	20.00	ng	0.00
86) Perylene-d12	16.26	264	300846	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	4.46	112	1464322	132.30	ng	0.02
7) Phenol-d6	5.53	99	1875377	136.96	ng	0.02
23) Nitrobenzene-d5	6.56	82	1062039	84.21	ng	0.00
41) 2,4,6-Tribromophenol	10.53	330	263141	108.14	ng	0.00
44) 2-Fluorobiphenyl	8.73	172	1623506	80.42	ng	0.00
78) Terphenyl-d14	13.36	244	835192	61.34	ng	0.00

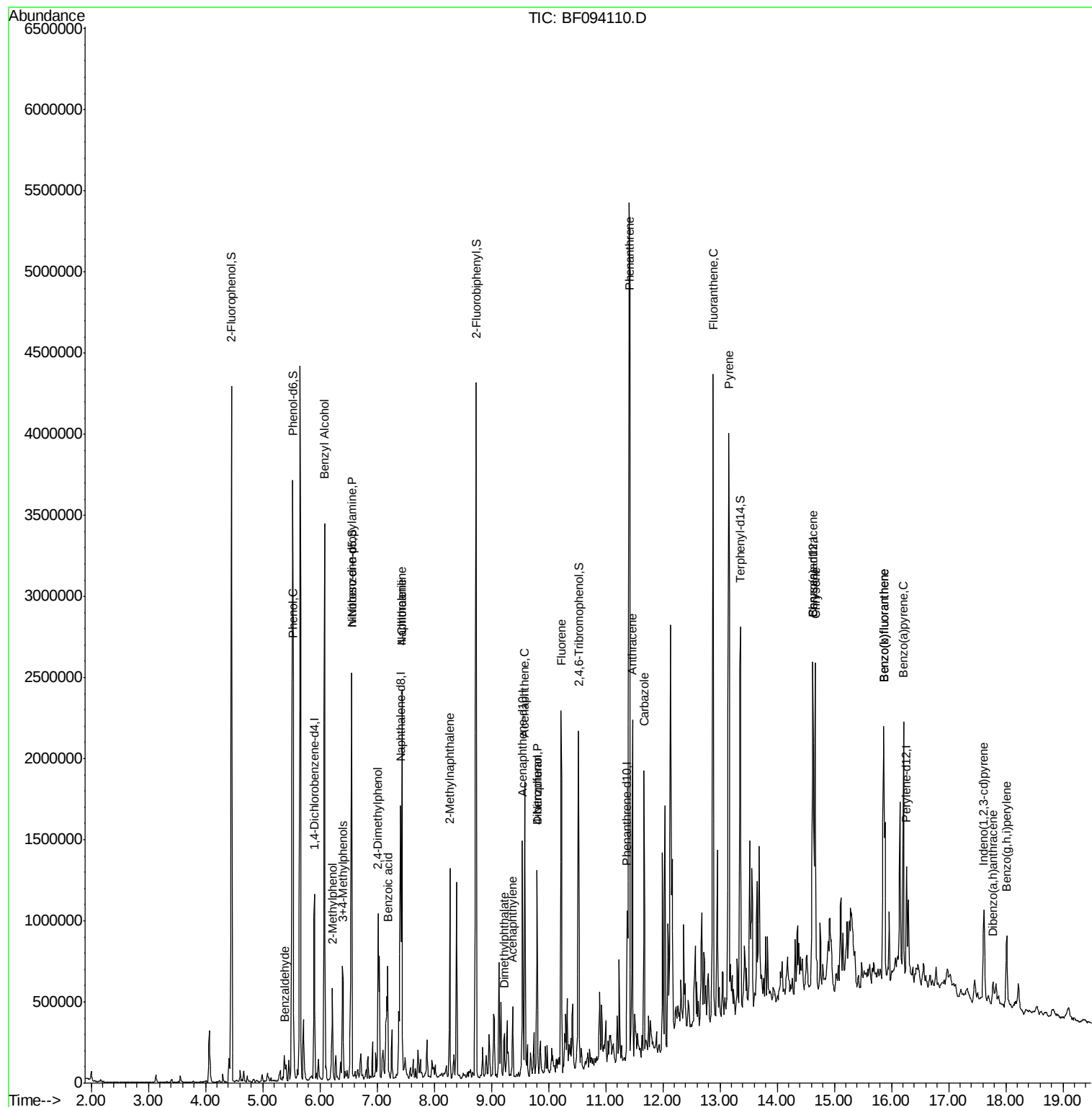
Target Compounds						Qvalue
9) Benzaldehyde	5.40	77	20470	2.21	ng	# 81
10) Phenol	5.54	94	75681	4.86	ng	88
15) Benzyl Alcohol	6.08	79	20235	2.02	ng	# 45
17) 2-Methylphenol	6.22	107	99823	9.58	ng	99
19) n-Nitroso-di-n-propylamine	6.56	70	140441	15.96	ng	# 78
20) 3+4-Methylphenols	6.40	107	210960	16.72	ng	# 60
27) 2,4-Dimethylphenol	7.02	122	296655	29.02	ng	98
31) Naphthalene	7.43	128	1286171	37.16	ng	99
32) Benzoic acid	7.19	122	218894	32.17	ng	# 11
33) 4-Chloroaniline	7.43	127	160912	11.47	ng	# 31
37) 2-Methylnaphthalene	8.27	142	371732	16.11	ng	98
48) Acenaphthylene	9.37	152	114430	3.54	ng	# 95
49) Dimethylphthalate	9.23	163	117392	5.36	ng	99
51) Acenaphthene	9.59	154	424981	22.54	ng	99
54) Dibenzofuran	9.80	168	502280	19.57	ng	99
55) 4-Nitrophenol	9.80	139	188257	40.80	ng	# 27
57) Fluorene	10.22	166	687183	32.29	ng	98
70) Phenanthrene	11.42	178	3184788	126.12	ng	100
71) Anthracene	11.47	178	895236	34.43	ng	99
72) Carbazole	11.67	167	803130	30.12	ng	98
74) Fluoranthene	12.88	202	2165009	83.73	ng	100
77) Pyrene	13.16	202	2083037	94.04	ng	99
80) Benzo(a)anthracene	14.62	228	923379	51.88	ng	99
82) Chrysene	14.67	228	913555	55.31	ng	96
85) Indeno(1,2,3-cd)pyrene	17.62	276	363072	25.38	ng	93
87) Benzo(b)fluoranthene	15.86	252	1273677	69.07	ng	# 97
88) Benzo(k)fluoranthene	15.86	252	1273677	70.59	ng	98
89) Benzo(a)pyrene	16.21	252	743121	43.76	ng	97
90) Dibenzo(a,h)anthracene	17.77	278	81266	5.65	ng	93
91) Benzo(g,h,i)perylene	18.02	276	328747	22.68	ng	98

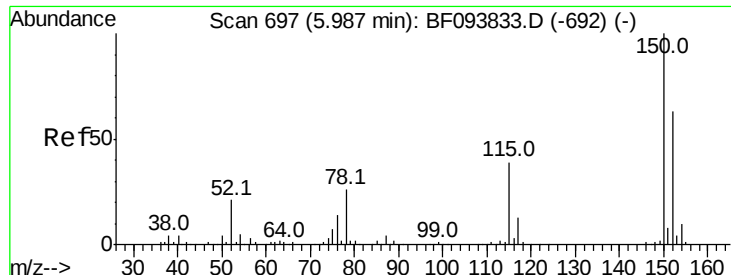
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.90 min Scan# 683

Delta R.T. -0.00 min

Lab File: BF094110.D

Acq: 31 Mar 2017 21:43

Instrument :

BNA_F

ClientSampleId :

E2-BB-7-8-SSW

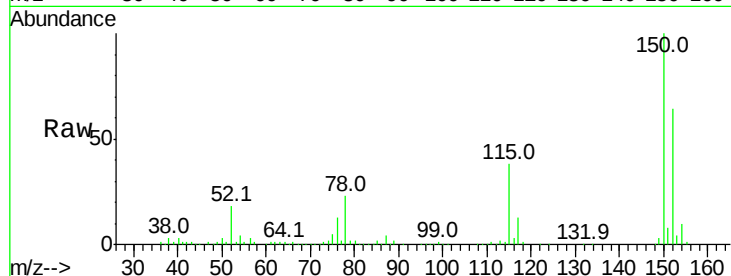
Tot Ion:152 Resp: 186945

Ion Ratio Lower Upper

152 100

150 157.2 126.2 189.2

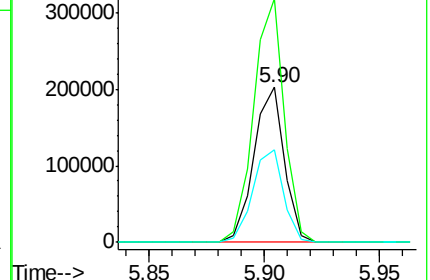
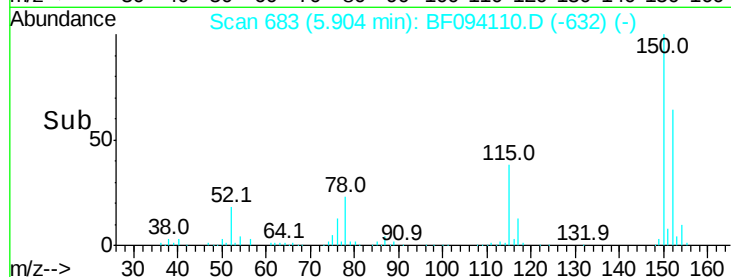
115 60.1 52.2 78.2



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: 132.30 ng

RT: 4.46 min Scan# 437

Delta R.T. 0.02 min

Lab File: BF094110.D

Acq: 31 Mar 2017 21:43

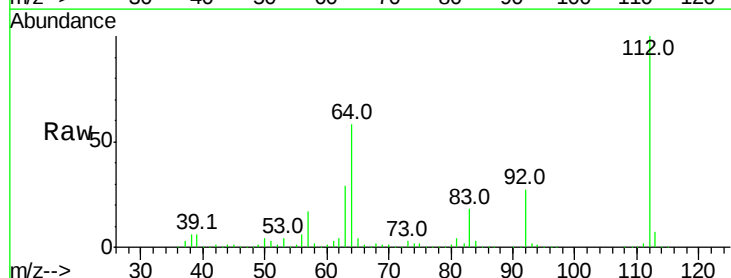
Tgt Ion:112 Resp: 1464322

Ion Ratio Lower Upper

112 100

64 57.7 46.0 69.0

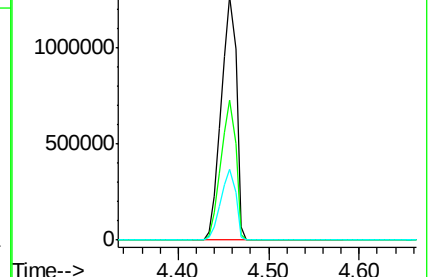
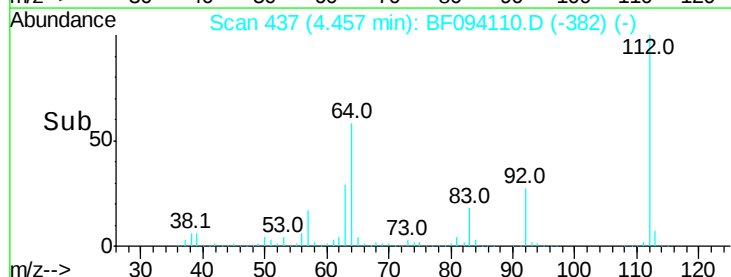
63 28.9 23.4 35.0

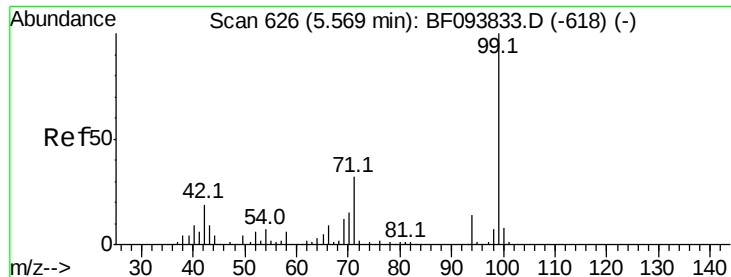


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 136.96 ng

RT: 5.53 min Scan# 619

Delta R.T. 0.02 min

Lab File: BF094110.D

Acq: 31 Mar 2017 21:43

Instrument :

BNA_F

ClientSampleId :

E2-BB-7-8-SSW

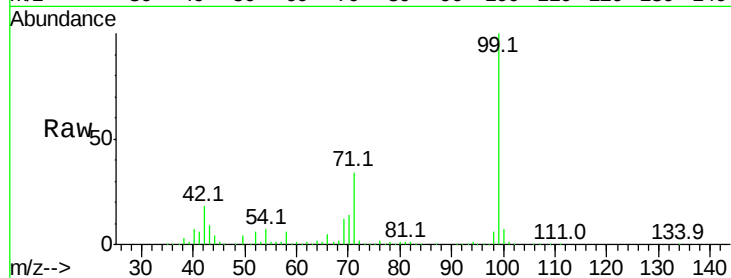
Tot Ion: 99 Resp: 1875377

Ion Ratio Lower Upper

99 100

42 17.8 13.5 20.3

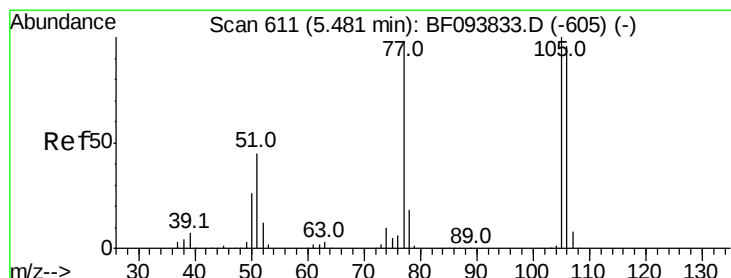
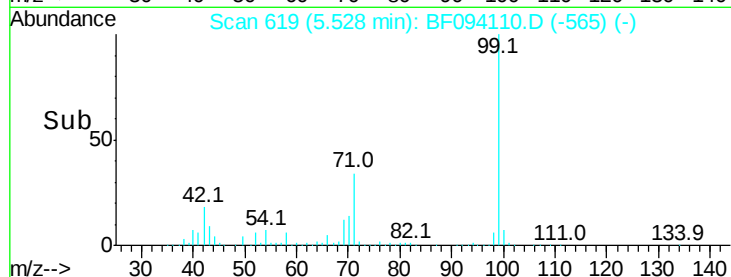
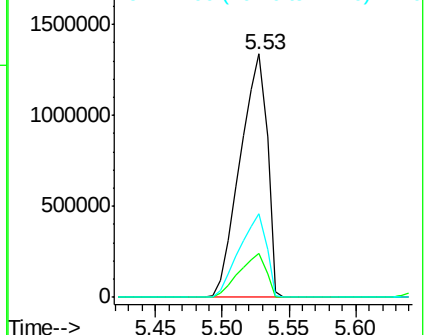
71 34.4 24.5 36.7



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: 2.21 ng

RT: 5.40 min Scan# 597

Delta R.T. -0.00 min

Lab File: BF094110.D

Acq: 31 Mar 2017 21:43

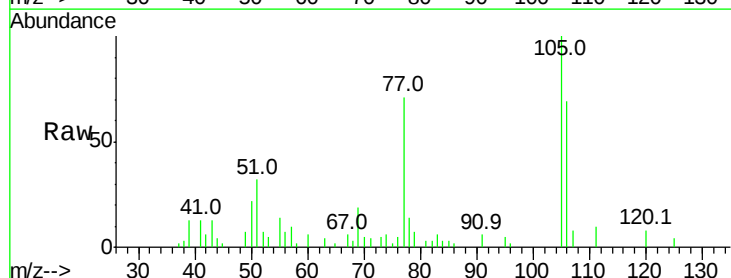
Tgt Ion: 77 Resp: 20470

Ion Ratio Lower Upper

77 100

105 140.1 83.8 123.8#

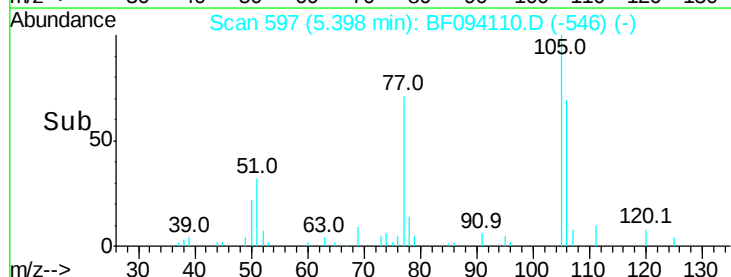
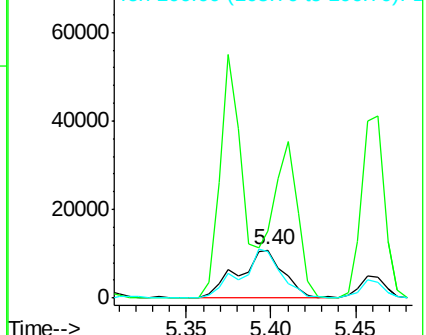
106 97.1 79.1 119.1

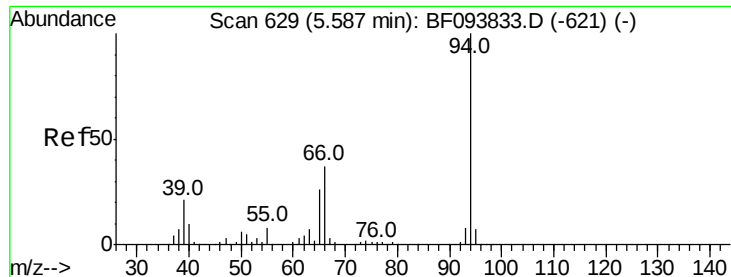


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 4.86 ng

RT: 5.54 min Scan# 621

Delta R.T. 0.01 min

Lab File: BF094110.D

Acq: 31 Mar 2017 21:43

Instrument :

BNA_F

ClientSampleId :

E2-BB-7-8-SSW

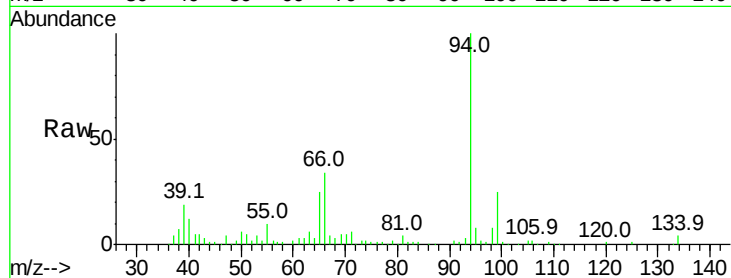
Tot Ion: 94 Resp: 75681

Ion Ratio Lower Upper

94 100

65 25.2 9.9 49.9

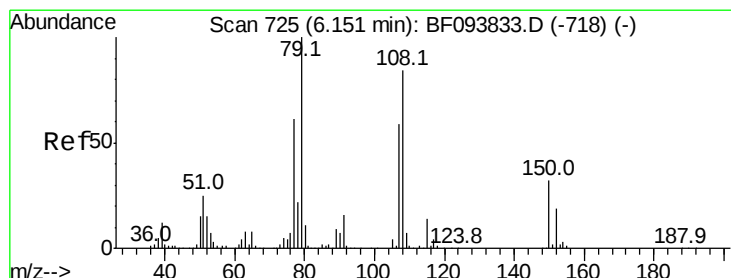
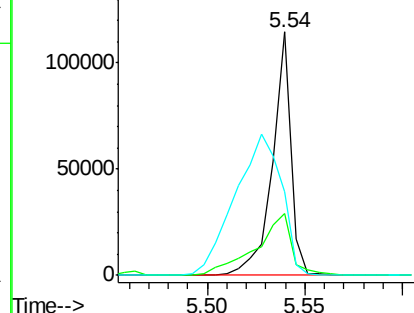
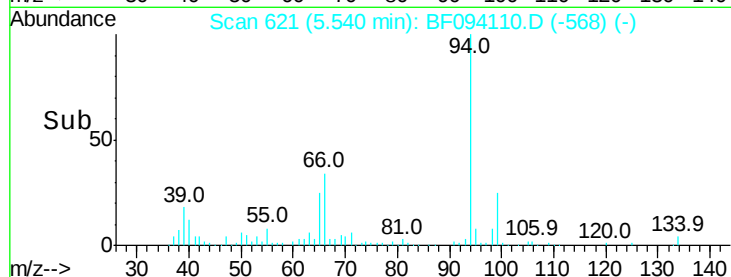
66 34.3 23.1 63.1



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



#15

Benzyl Alcohol

Concen: 2.02 ng

RT: 6.08 min Scan# 713

Delta R.T. 0.01 min

Lab File: BF094110.D

Acq: 31 Mar 2017 21:43

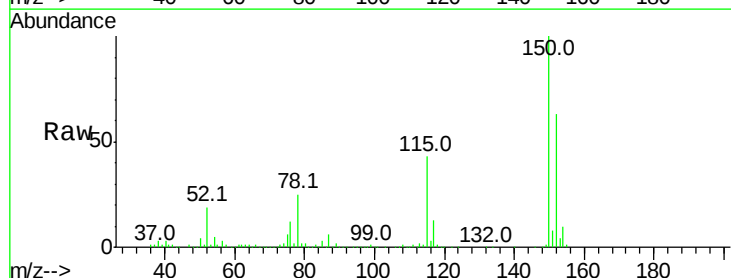
Tgt Ion: 79 Resp: 20235

Ion Ratio Lower Upper

79 100

108 28.5 63.4 95.0#

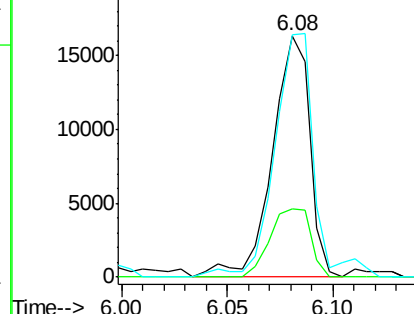
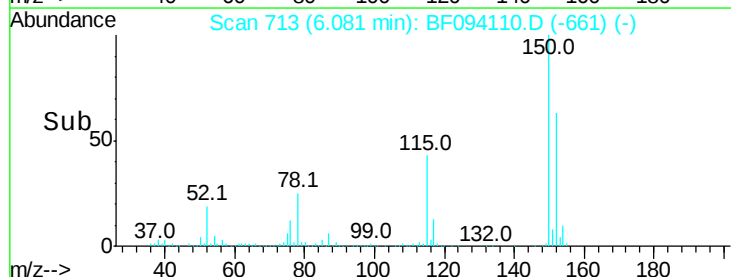
77 100.3 49.2 73.8#

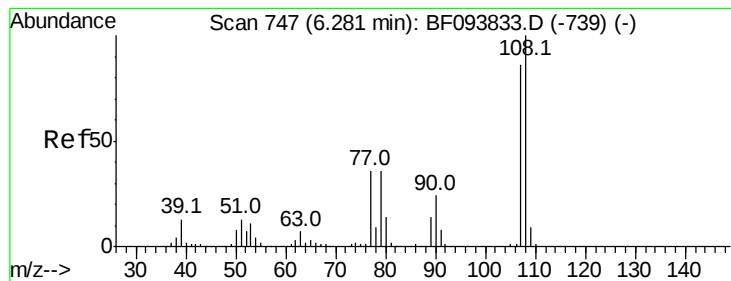


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0





#17

2-Methylphenol

Concen: 9.58 ng

RT: 6.22 min Scan# 736

Delta R.T. -0.00 min

Lab File: BF094110.D

Acq: 31 Mar 2017 21:43

Instrument :

BNA_F

ClientSampleId :

E2-BB-7-8-SSW

Tot Ion:107 Resp: 99823

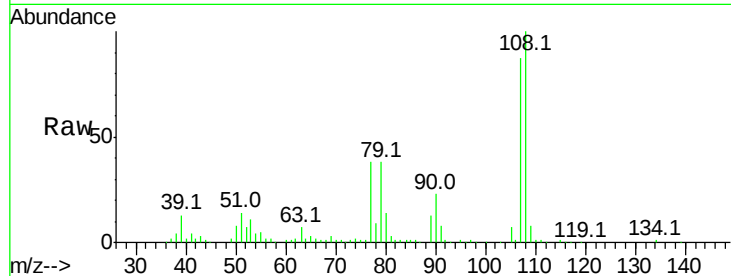
Ion Ratio Lower Upper

107 100

108 114.9 93.4 140.0

77 43.9 35.8 53.6

79 44.2 34.8 52.2

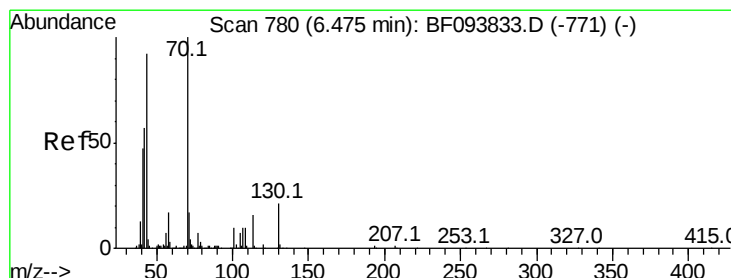
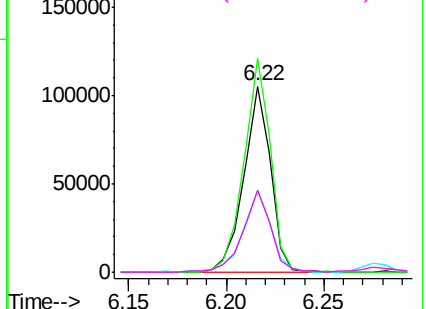
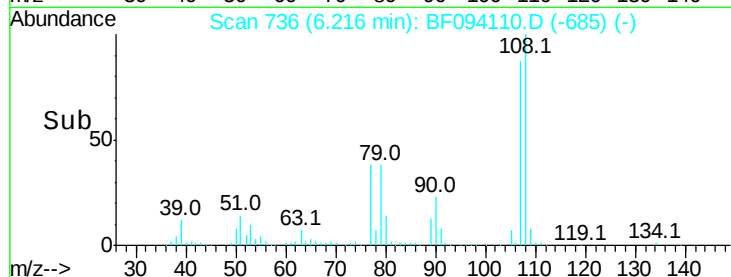


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 15.96 ng

RT: 6.56 min Scan# 794

Delta R.T. 0.16 min

Lab File: BF094110.D

Acq: 31 Mar 2017 21:43

Tgt Ion: 70 Resp: 140441

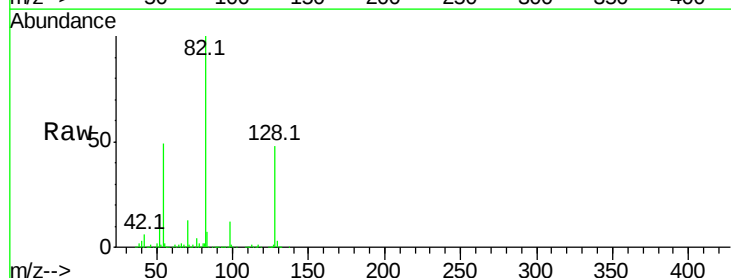
Ion Ratio Lower Upper

70 100

42 47.1 47.2 70.8#

101 0.0 7.2 10.8#

130 2.4 15.9 23.9#

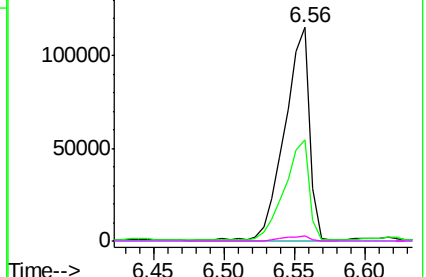
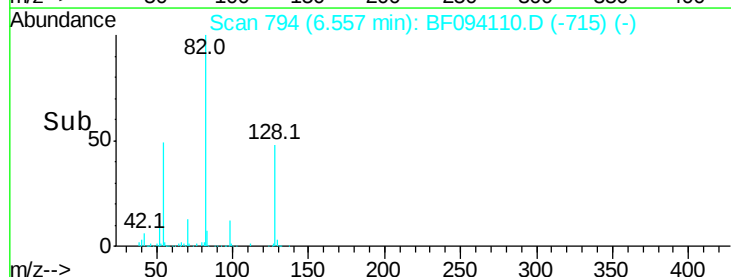


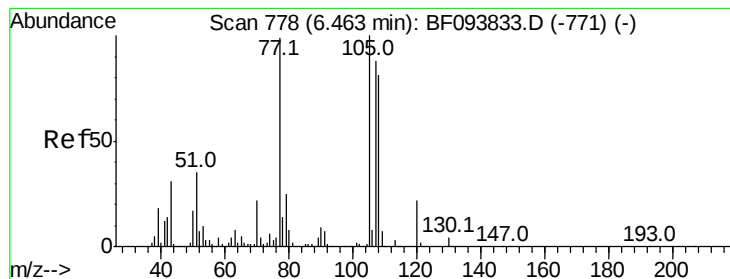
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#20

3+4-Methylphenols

Concen: 16.72 ng

RT: 6.40 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF094110.D

Acq: 31 Mar 2017 21:43

Instrument :

BNA_F

ClientSampleId :

E2-BB-7-8-SSW

Tot Ion:107 Resp: 210960

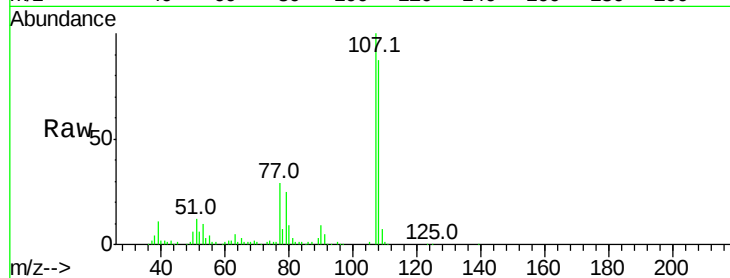
Ion Ratio Lower Upper

107 100

108 87.0 71.0 111.0

77 28.8 90.5 130.5#

79 24.9 8.4 48.4

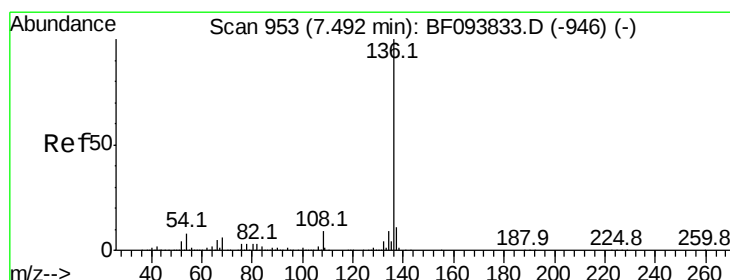
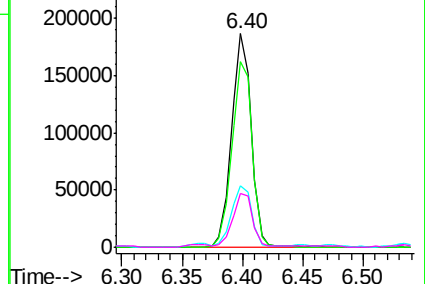
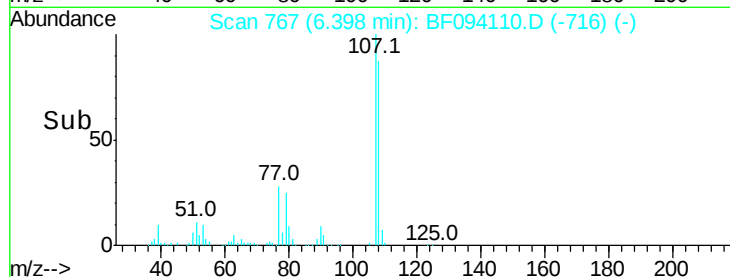


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.41 min Scan# 939

Delta R.T. -0.00 min

Lab File: BF094110.D

Acq: 31 Mar 2017 21:43

Tgt Ion:136 Resp: 719740

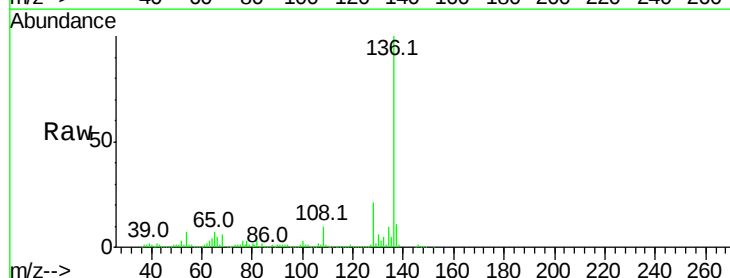
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 7.2 4.9 7.3

68 5.6 4.1 6.1

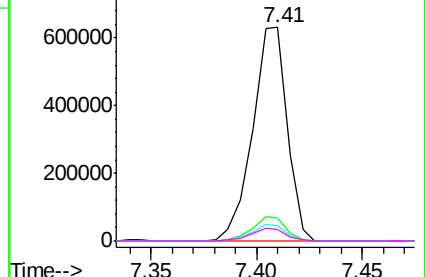
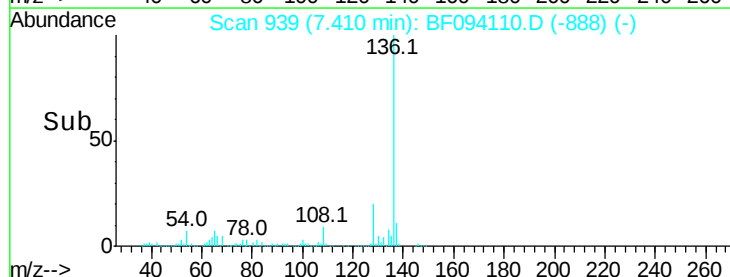


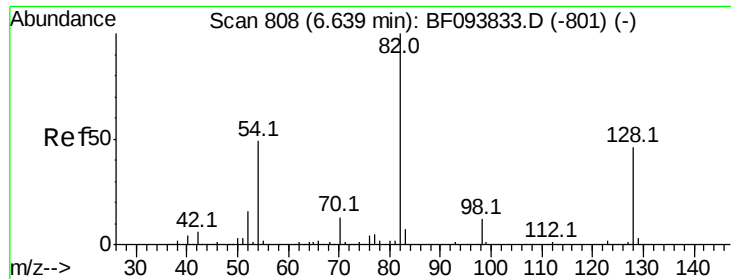
Abundance Ion 136.00 (135.70 to 136.70): E

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

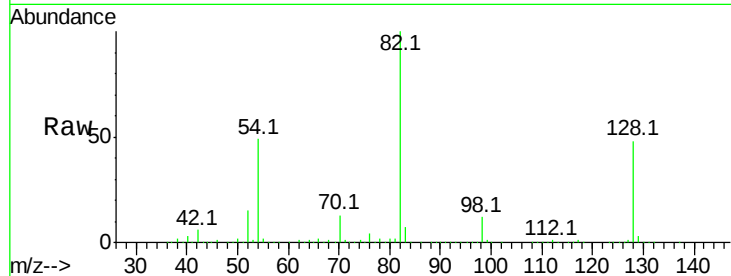




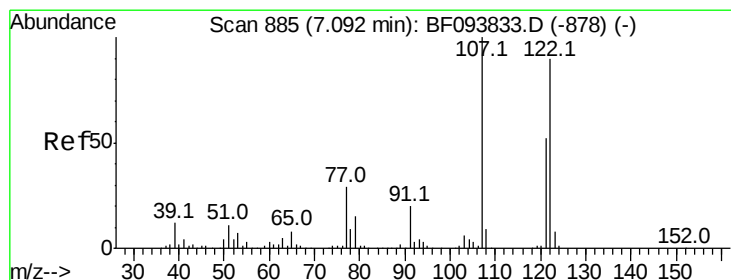
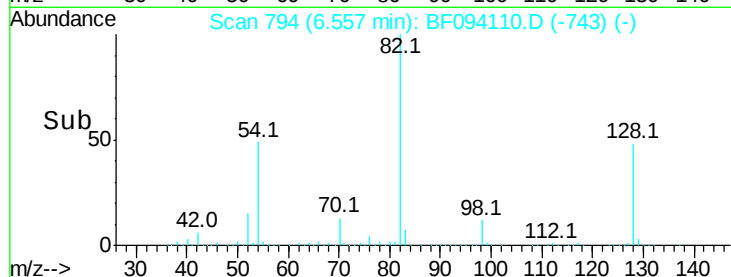
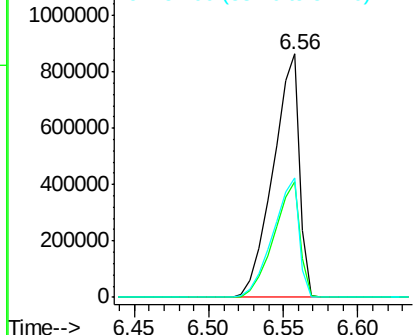
#23
Nitrobenzene-d5
Concen: 84.21 ng
RT: 6.56 min Scan# 794
Delta R.T. -0.00 min
Lab File: BF094110.D
Acq: 31 Mar 2017 21:43

Instrument :
BNA_F
ClientSampleId :
E2-BB-7-8-SSW

Tot Ion: 82 Resp: 1062039
Ion Ratio Lower Upper
82 100
128 47.6 34.0 51.0
54 49.3 42.2 63.2

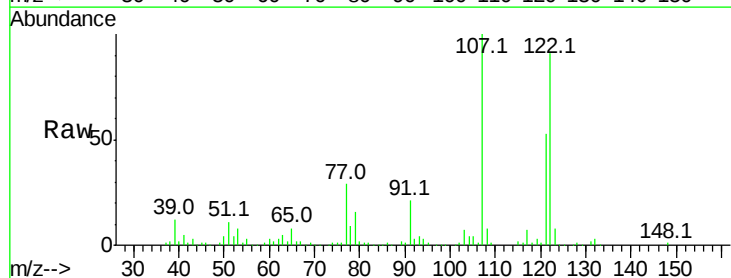


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

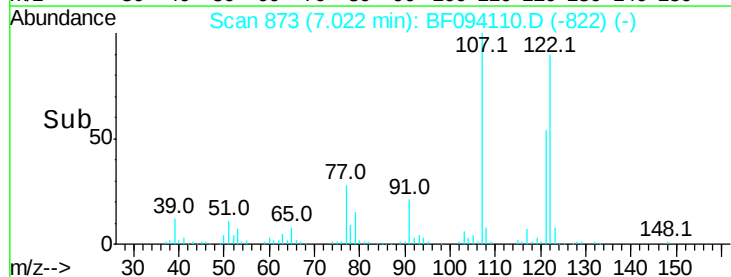
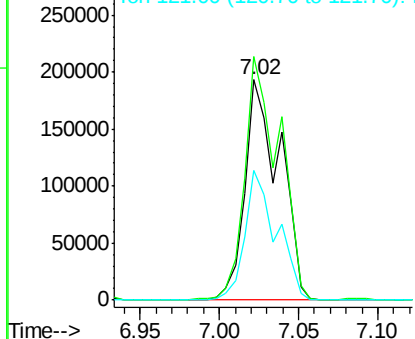


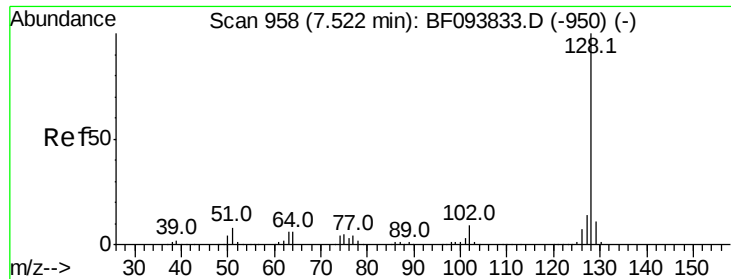
#27
2,4-Dimethylphenol
Concen: 29.02 ng
RT: 7.02 min Scan# 873
Delta R.T. -0.00 min
Lab File: BF094110.D
Acq: 31 Mar 2017 21:43

Tgt Ion:122 Resp: 296655
Ion Ratio Lower Upper
122 100
107 110.5 89.2 133.8
121 58.7 45.2 67.8



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E





#31

Naphthalene

Concen: 37.16 ng

RT: 7.43 min Scan# 943

Delta R.T. -0.00 min

Lab File: BF094110.D

Acq: 31 Mar 2017 21:43

Instrument :

BNA_F

ClientSampleId :

E2-BB-7-8-SSW

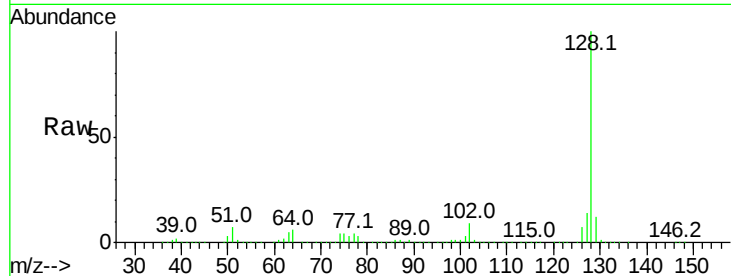
Tot Ion:128 Resp: 1286171

Ion Ratio Lower Upper

128 100

129 11.7 9.0 13.6

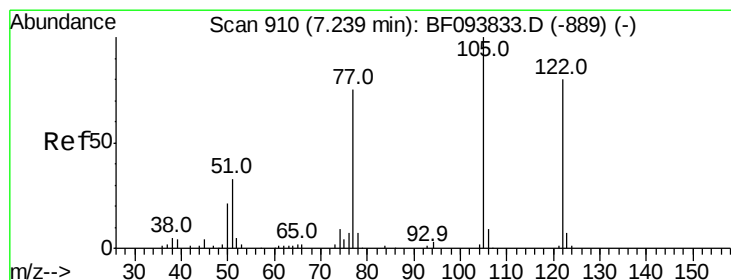
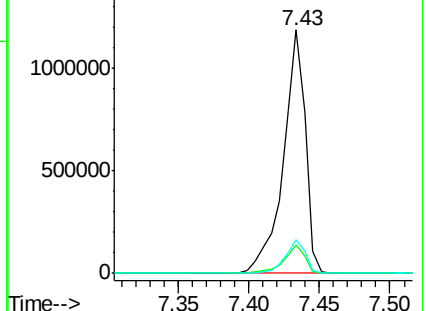
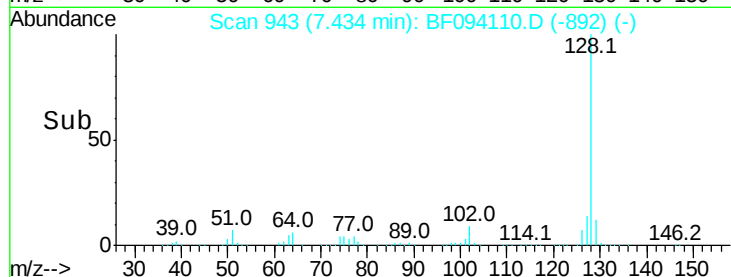
127 13.7 10.8 16.2



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: 32.17 ng

RT: 7.19 min Scan# 901

Delta R.T. -0.00 min

Lab File: BF094110.D

Acq: 31 Mar 2017 21:43

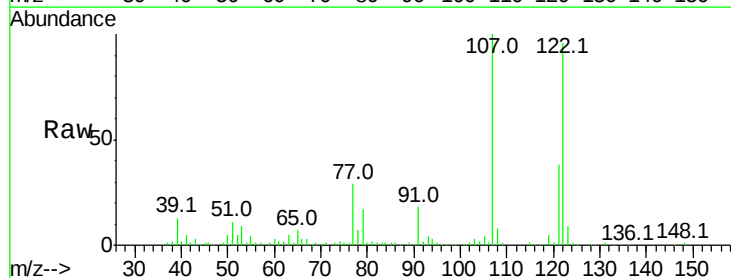
Tgt Ion:122 Resp: 218894

Ion Ratio Lower Upper

122 100

105 3.9 103.3 143.3#

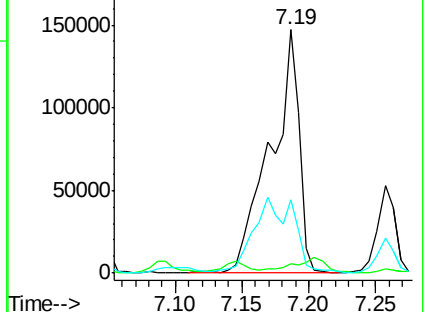
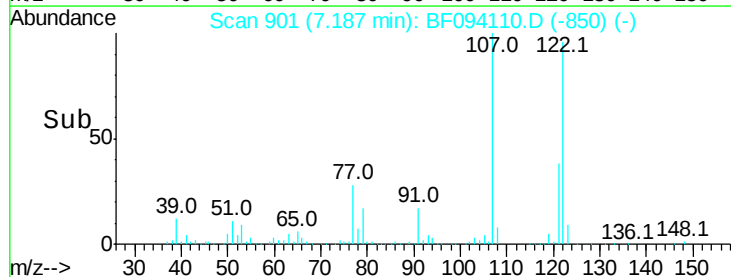
77 30.0 73.7 113.7#

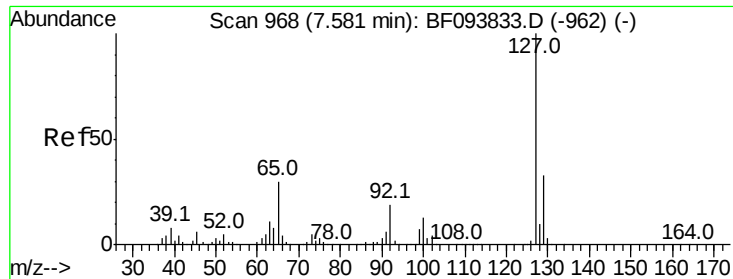


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 11.47 ng

RT: 7.43 min Scan# 943

Delta R.T. -0.07 min

Lab File: BF094110.D

Acq: 31 Mar 2017 21:43

Instrument :

BNA_F

ClientSampleId :

E2-BB-7-8-SSW

Tot Ion:127 Resp: 160912

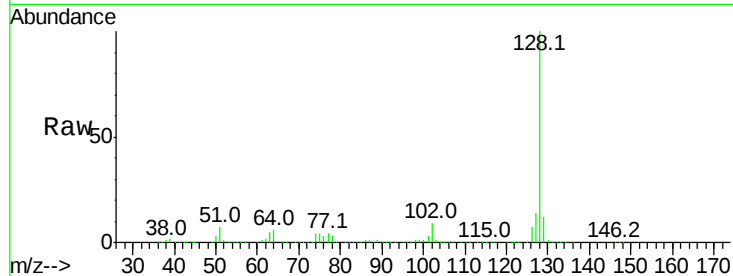
Ion Ratio Lower Upper

127 100

129 85.4 26.2 39.2#

65 0.0 27.8 41.8#

92 0.3 16.8 25.2#

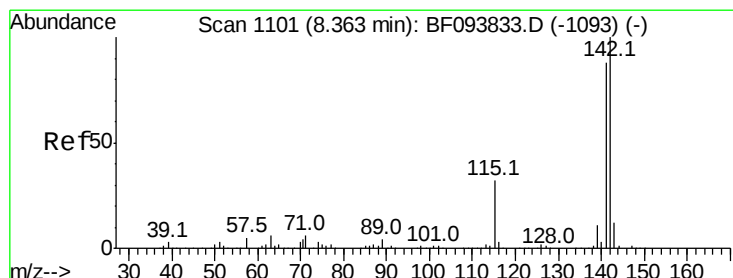
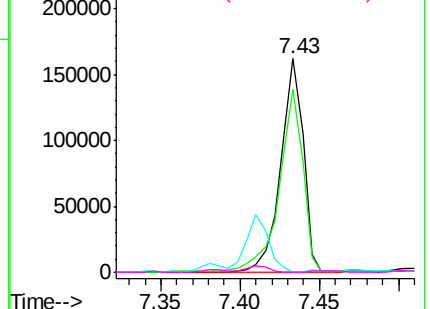
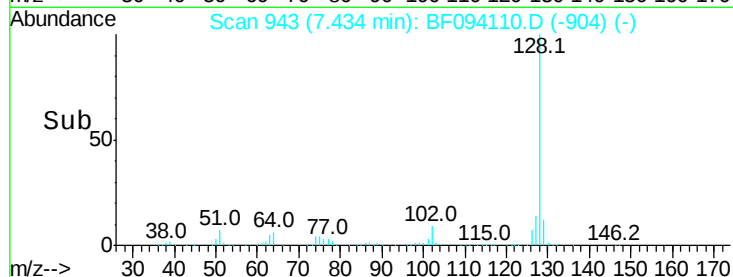


Abundance Ion 127.00 (126.70 to 127.70): E

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: 16.11 ng

RT: 8.27 min Scan# 1086

Delta R.T. -0.00 min

Lab File: BF094110.D

Acq: 31 Mar 2017 21:43

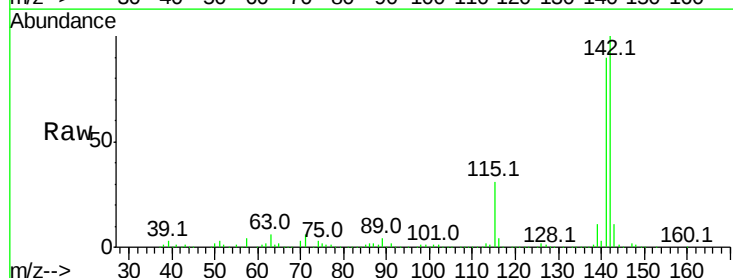
Tgt Ion:142 Resp: 371732

Ion Ratio Lower Upper

142 100

141 90.1 71.3 106.9

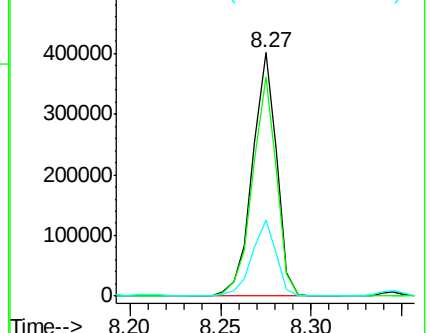
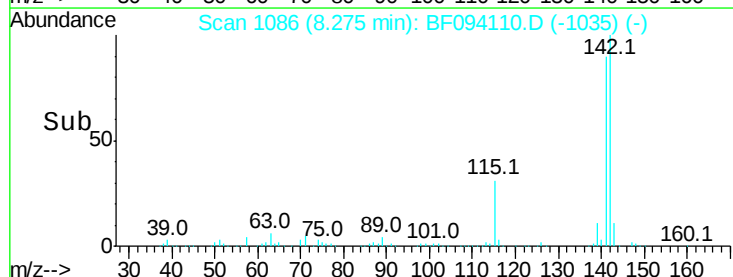
115 31.4 27.1 40.7

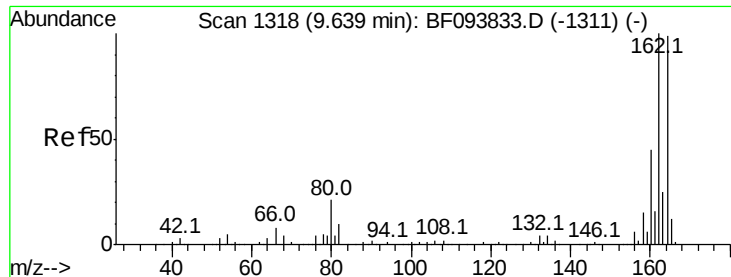


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

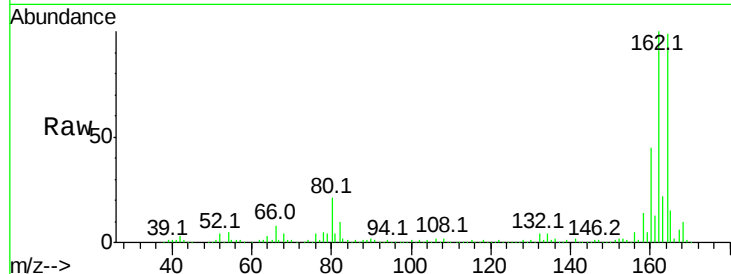




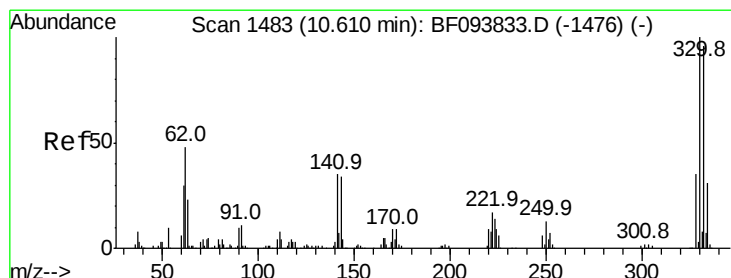
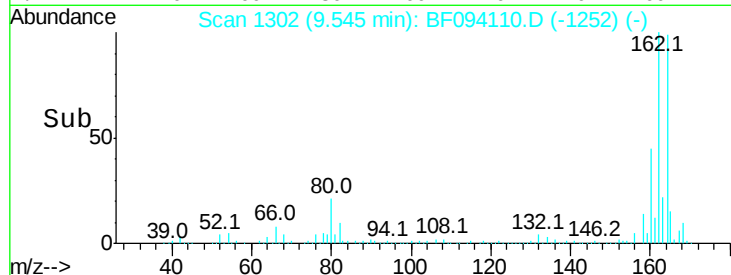
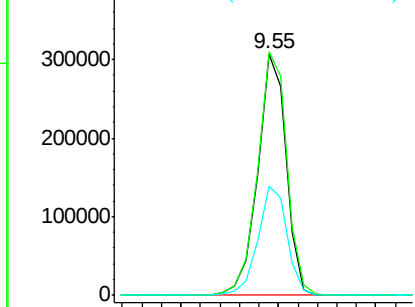
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.55 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF094110.D
Acq: 31 Mar 2017 21:43

Instrument :
BNA_F
ClientSampleId :
E2-BB-7-8-SSW

Tot Ion:164 Resp: 307930
Ion Ratio Lower Upper
164 100
162 100.9 82.6 123.8
160 45.1 36.2 54.2

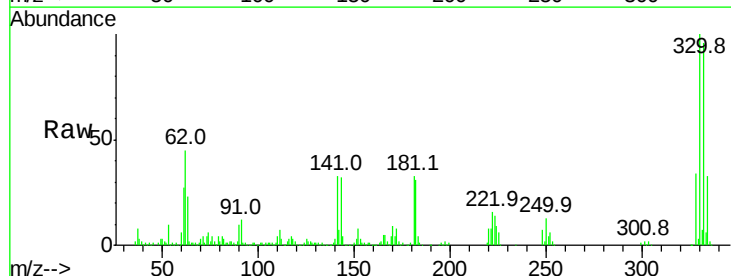


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

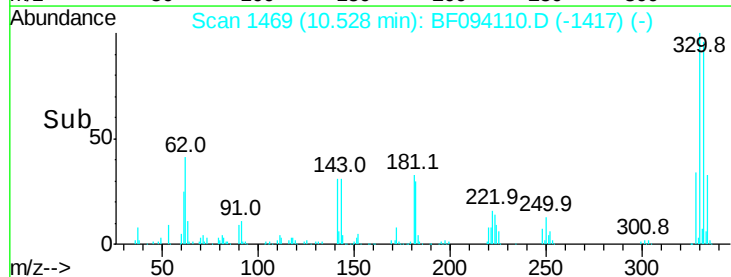
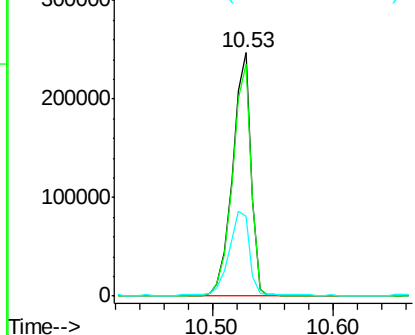


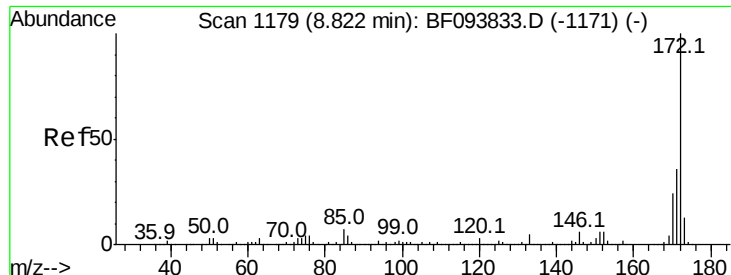
#41
2,4,6-Tribromophenol
Concen: 108.14 ng
RT: 10.53 min Scan# 1469
Delta R.T. 0.01 min
Lab File: BF094110.D
Acq: 31 Mar 2017 21:43

Tgt Ion:330 Resp: 263141
Ion Ratio Lower Upper
330 100
332 96.5 76.6 115.0
141 37.7 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

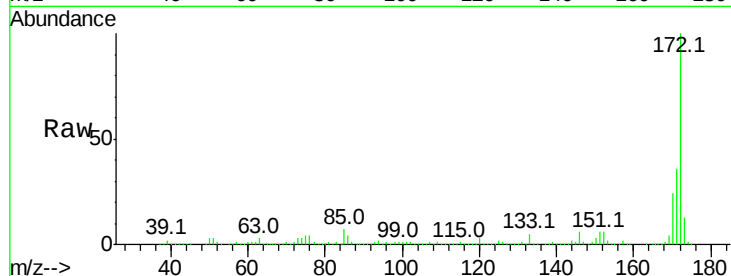




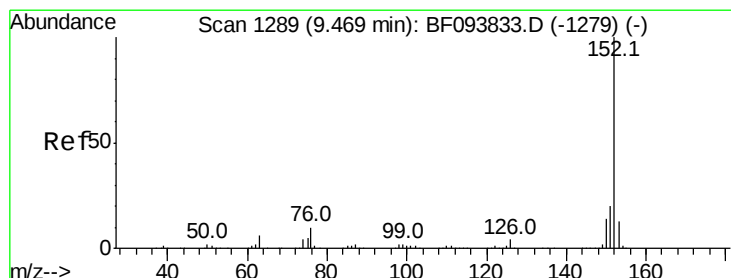
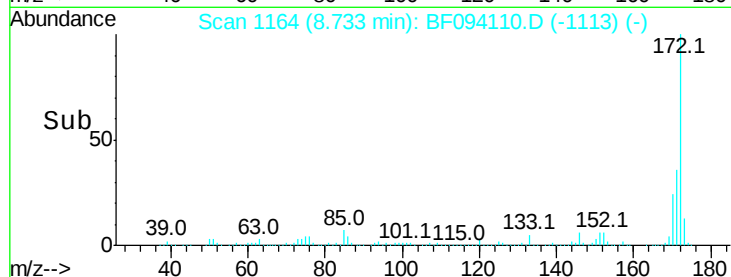
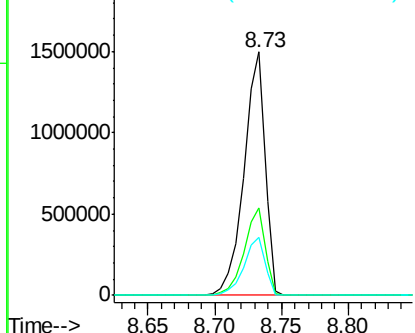
#44
2-Fluorobiphenyl
Concen: 80.42 ng
RT: 8.73 min Scan# 1164
Delta R.T. -0.00 min
Lab File: BF094110.D
Acq: 31 Mar 2017 21:43

Instrument :
BNA_F
ClientSampleId :
E2-BB-7-8-SSW

Tot Ion:172 Resp: 1623506
Ion Ratio Lower Upper
172 100
171 35.9 29.6 44.4
170 23.7 19.8 29.8

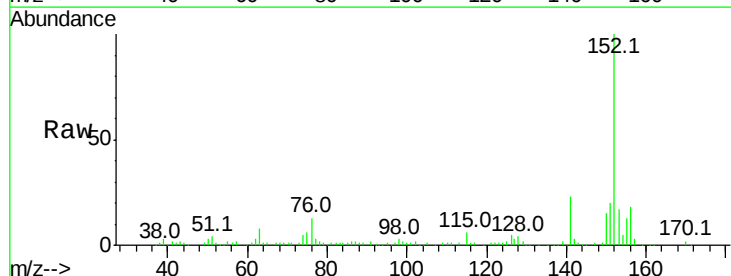


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

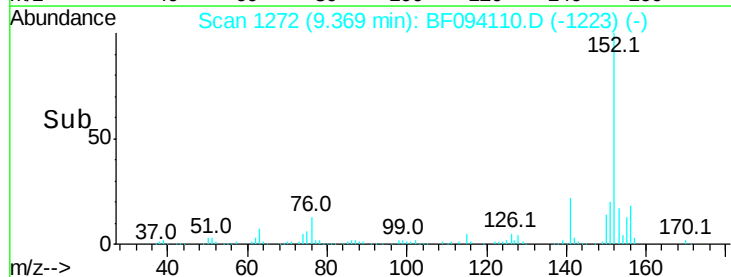
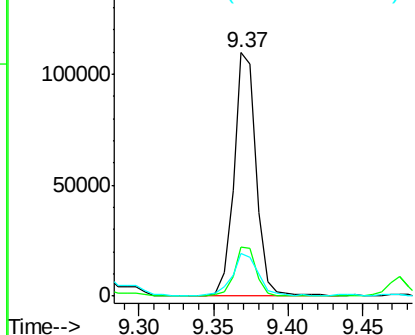


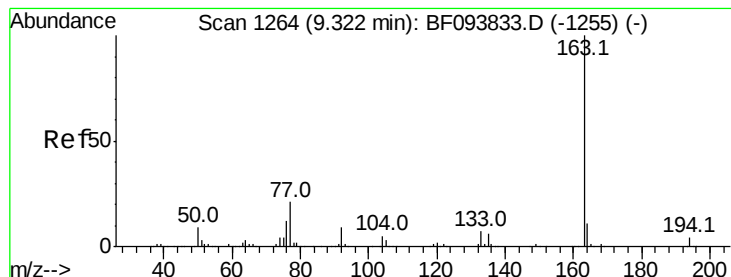
#48
Acenaphthylene
Concen: 3.54 ng
RT: 9.37 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BF094110.D
Acq: 31 Mar 2017 21:43

Tgt Ion:152 Resp: 114430
Ion Ratio Lower Upper
152 100
151 20.4 16.8 25.2
153 17.3 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





#49

Dimethylphthalate

Concen: 5.36 ng

RT: 9.23 min Scan# 1248

Delta R.T. -0.02 min

Lab File: BF094110.D

Acq: 31 Mar 2017 21:43

Instrument :

BNA_F

ClientSampleId :

E2-BB-7-8-SSW

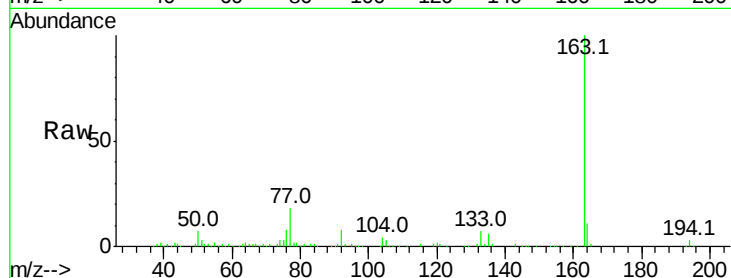
Tot Ion:163 Resp: 117392

Ion Ratio Lower Upper

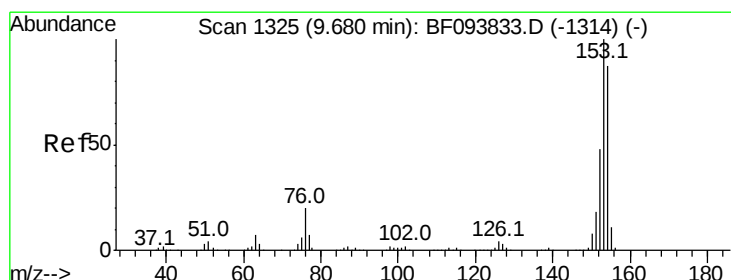
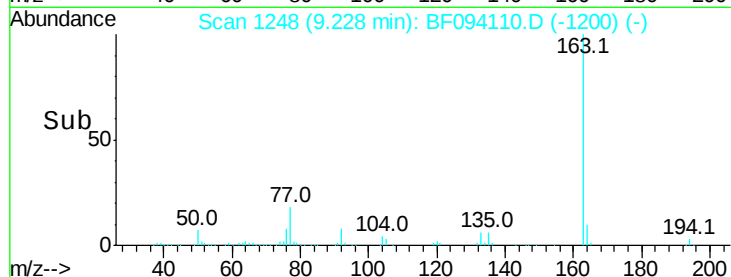
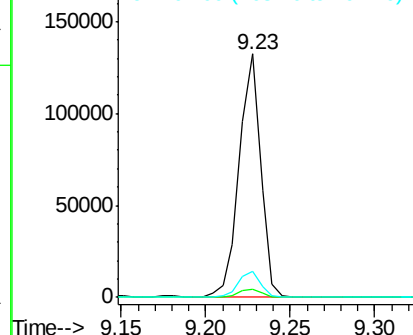
163 100

194 3.1 2.6 4.0

164 10.7 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#51

Acenaphthene

Concen: 22.54 ng

RT: 9.59 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF094110.D

Acq: 31 Mar 2017 21:43

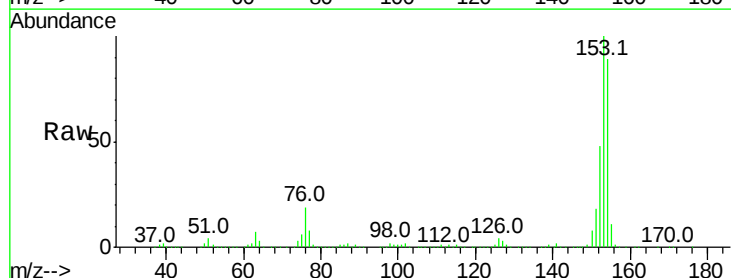
Tgt Ion:154 Resp: 424981

Ion Ratio Lower Upper

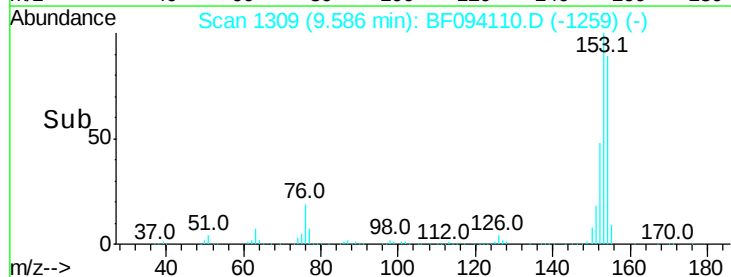
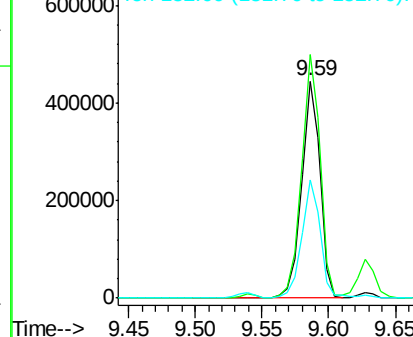
154 100

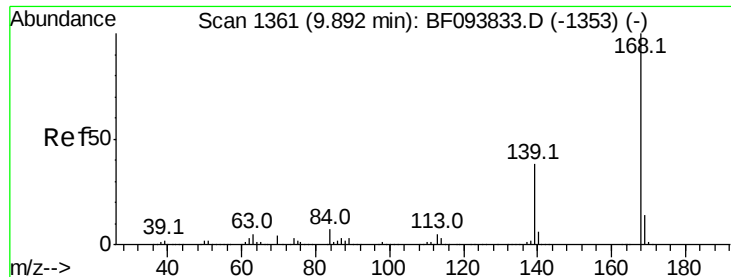
153 112.4 90.5 135.7

152 54.4 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

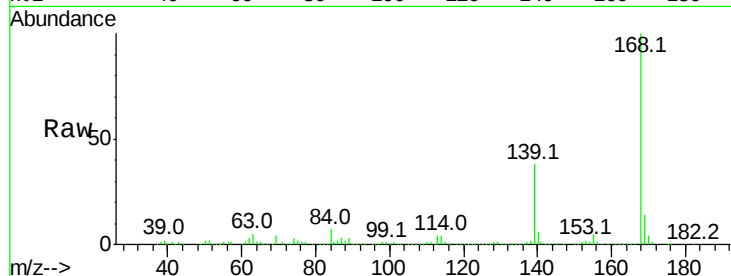




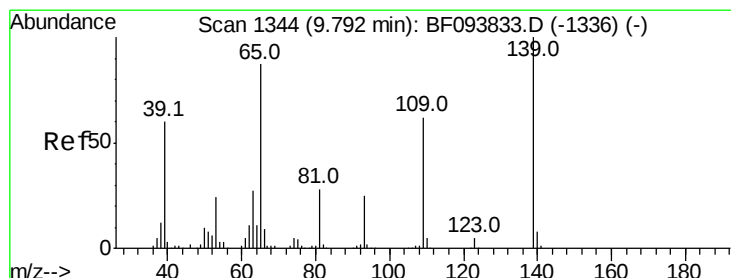
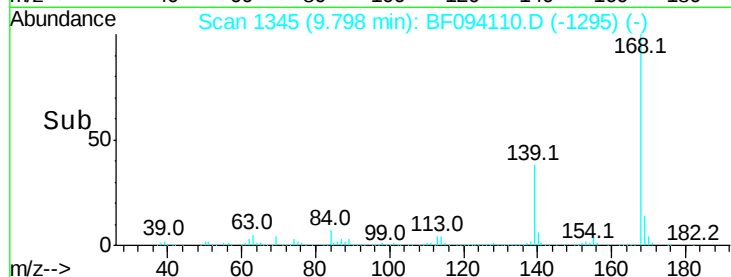
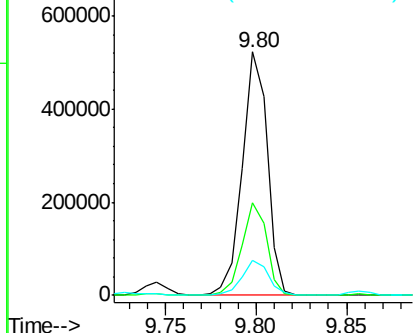
#54
Dibenzofuran
Concen: 19.57 ng
RT: 9.80 min Scan# 1345
Delta R.T. -0.01 min
Lab File: BF094110.D
Acq: 31 Mar 2017 21:43

Instrument :
BNA_F
ClientSampleId :
E2-BB-7-8-SSW

Tot Ion:168 Resp: 502280
Ion Ratio Lower Upper
168 100
139 38.0 30.6 45.8
169 14.2 10.8 16.2

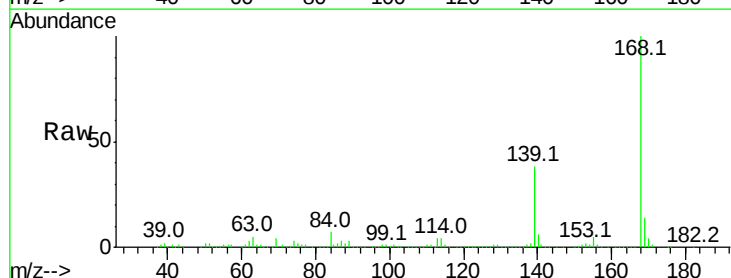


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

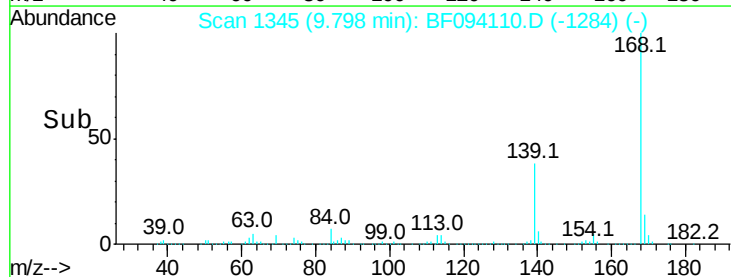
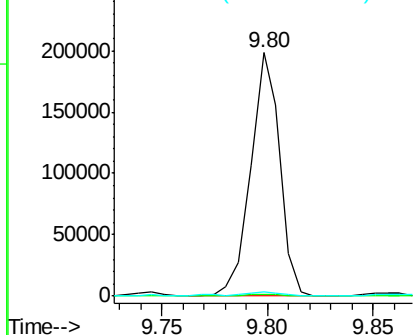


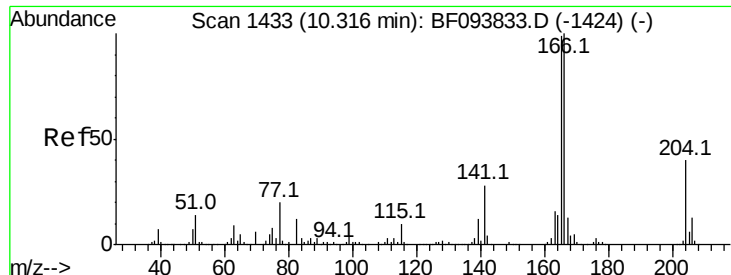
#55
4-Nitrophenol
Concen: 40.80 ng
RT: 9.80 min Scan# 1345
Delta R.T. 0.06 min
Lab File: BF094110.D
Acq: 31 Mar 2017 21:43

Tgt Ion:139 Resp: 188257
Ion Ratio Lower Upper
139 100
109 0.8 34.1 74.1#
65 1.6 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

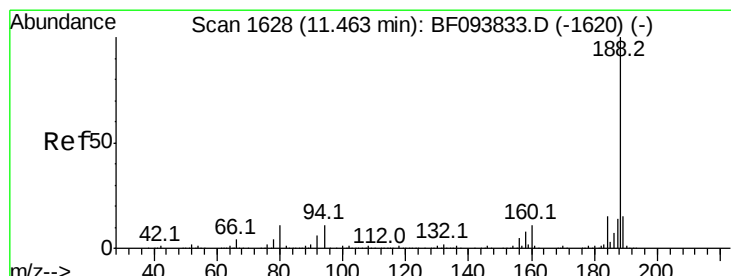
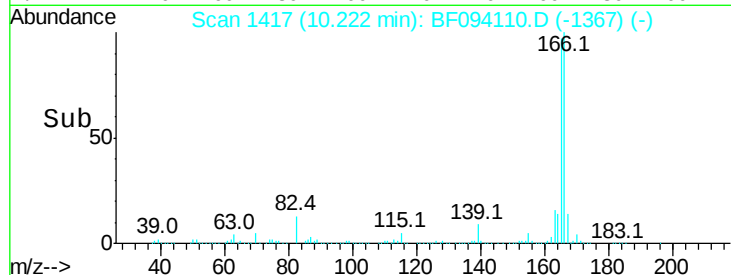
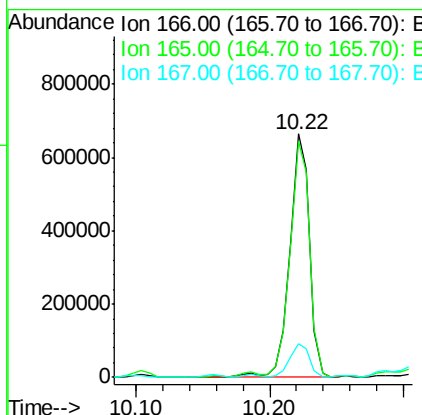
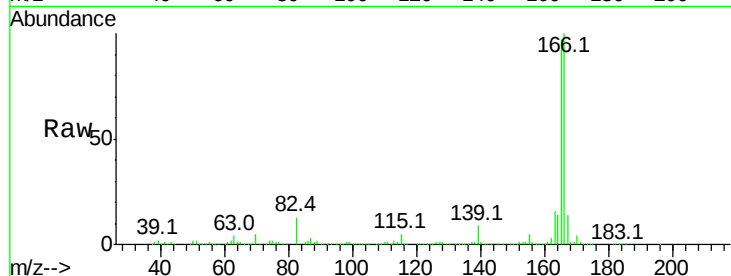




#57
Fluorene
 Concen: 32.29 ng
 RT: 10.22 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: BF094110.D
 Acq: 31 Mar 2017 21:43

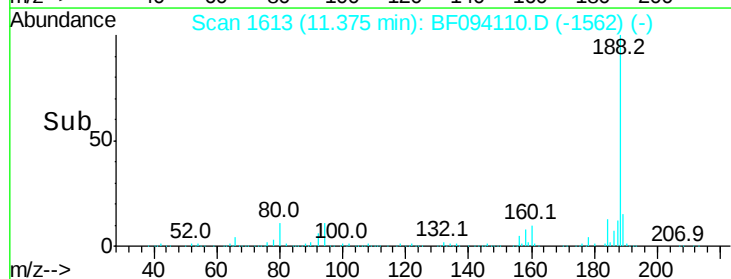
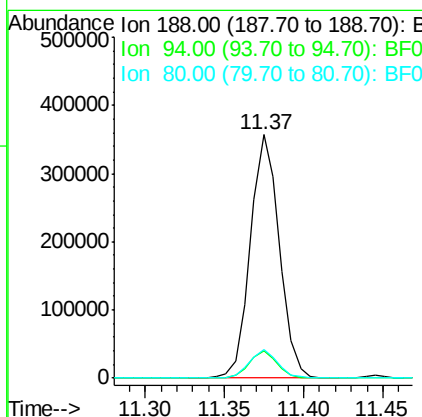
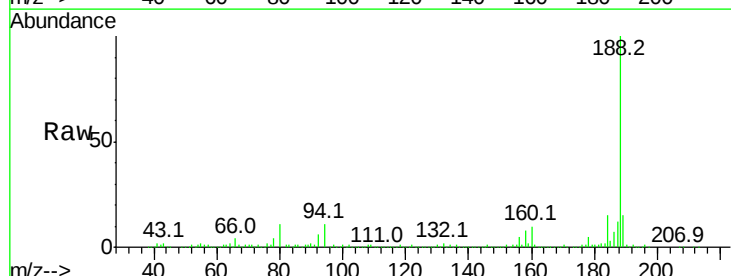
Instrument :
 BNA_F
 ClientSampleId :
 E2-BB-7-8-SSW

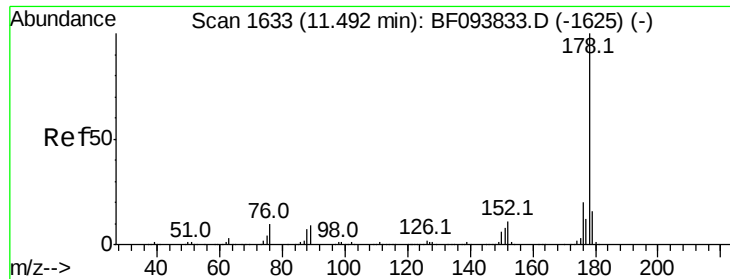
Tot Ion	Ratio	Lower	Upper
166	100		
165	96.8	78.8	118.2
167	13.6	10.6	16.0



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 1613
 Delta R.T. -0.00 min
 Lab File: BF094110.D
 Acq: 31 Mar 2017 21:43

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.0	9.4	14.2
80	11.5	10.2	15.2

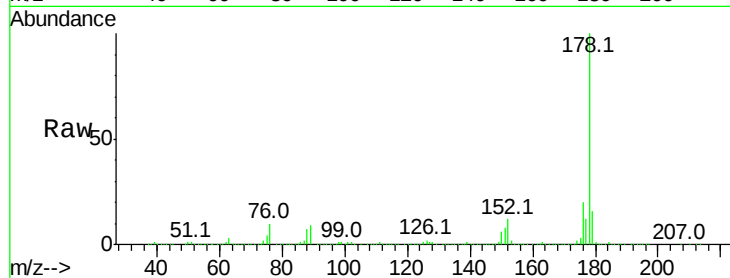




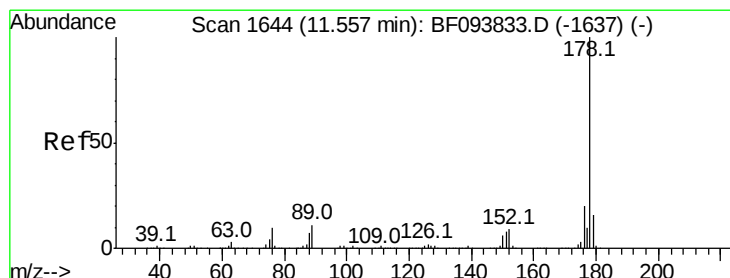
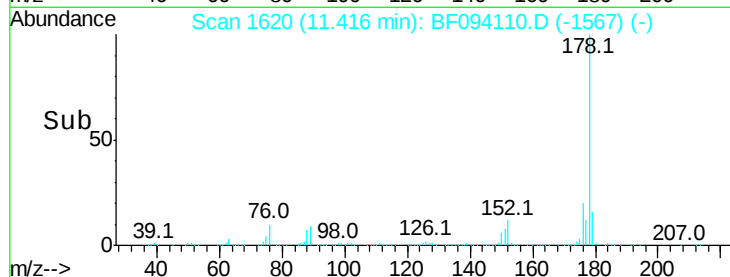
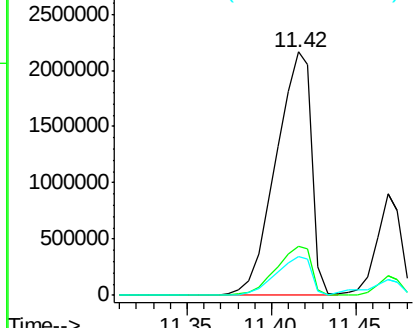
#70
Phenanthrene
Concen: 126.12 ng
RT: 11.42 min Scan# 1620
Delta R.T. 0.01 min
Lab File: BF094110.D
Acq: 31 Mar 2017 21:43

Instrument :
BNA_F
ClientSampleId :
E2-BB-7-8-SSW

Tot Ion:178 Resp: 3184788
Ion Ratio Lower Upper
178 100
176 20.2 16.2 24.4
179 16.1 12.6 19.0

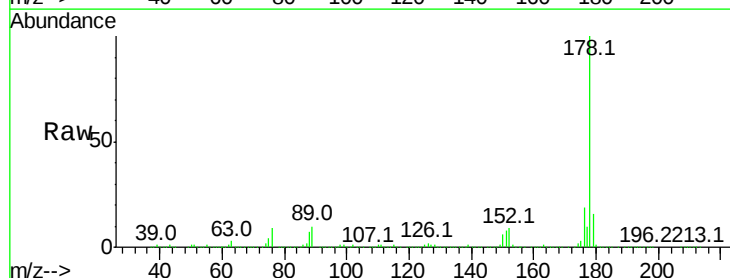


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

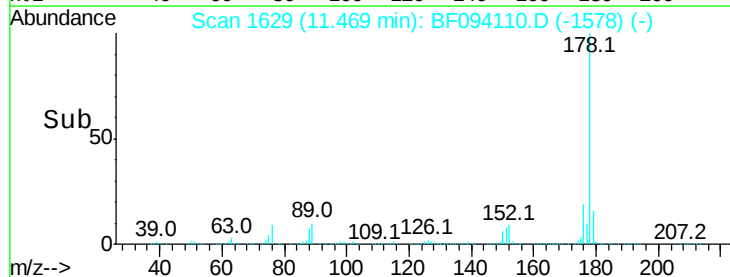
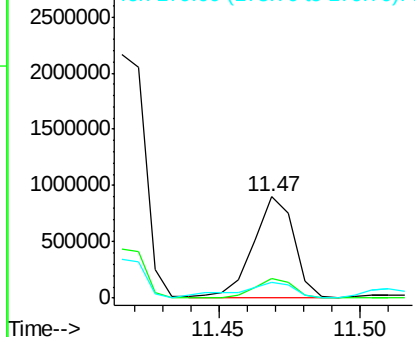


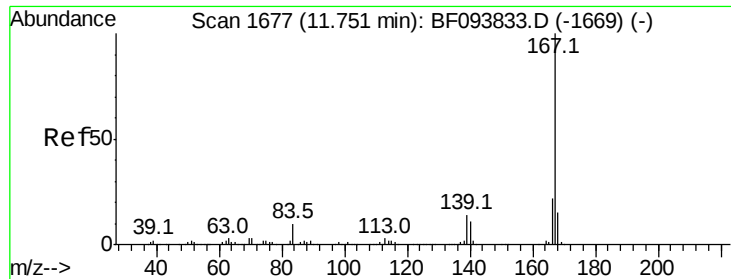
#71
Anthracene
Concen: 34.43 ng
RT: 11.47 min Scan# 1629
Delta R.T. -0.00 min
Lab File: BF094110.D
Acq: 31 Mar 2017 21:43

Tgt Ion:178 Resp: 895236
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.8
179 16.0 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: 30.12 ng

RT: 11.67 min Scan# 1664

Delta R.T. 0.01 min

Lab File: BF094110.D

Acq: 31 Mar 2017 21:43

Instrument :

BNA_F

ClientSampleId :

E2-BB-7-8-SSW

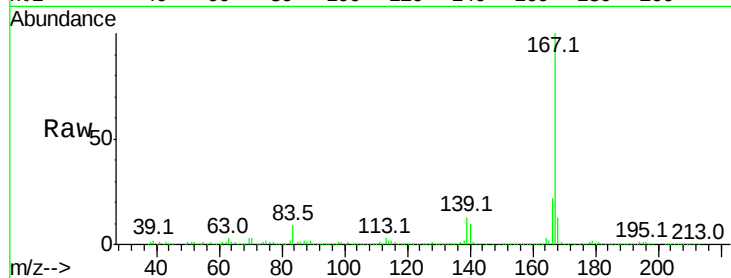
Tot Ion:167 Resp: 803130

Ion Ratio Lower Upper

167 100

166 22.4 18.1 27.1

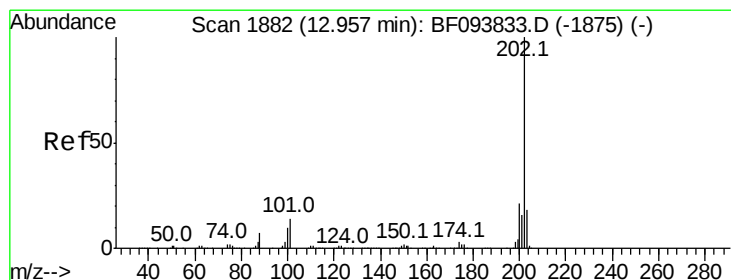
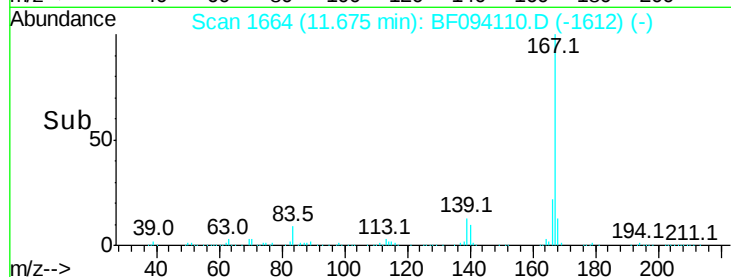
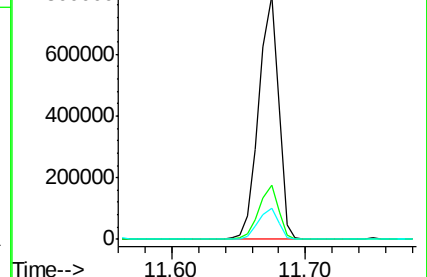
139 13.0 11.7 17.5



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: 83.73 ng

RT: 12.88 min Scan# 1869

Delta R.T. 0.01 min

Lab File: BF094110.D

Acq: 31 Mar 2017 21:43

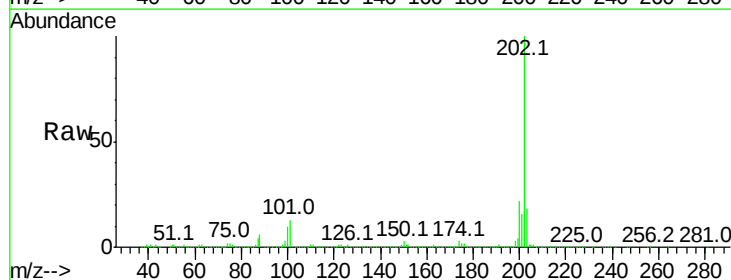
Tgt Ion:202 Resp: 2165009

Ion Ratio Lower Upper

202 100

101 13.4 0.0 33.2

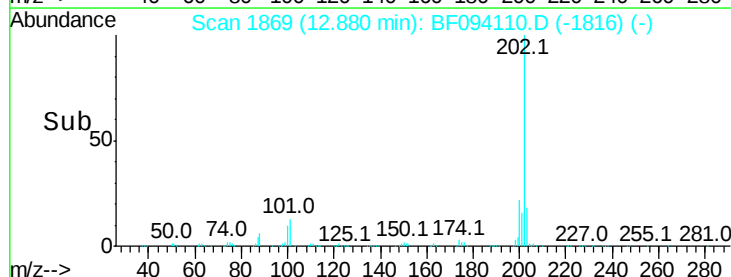
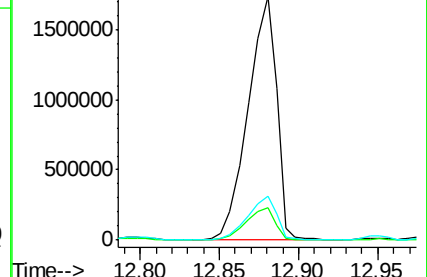
203 18.1 0.0 38.1

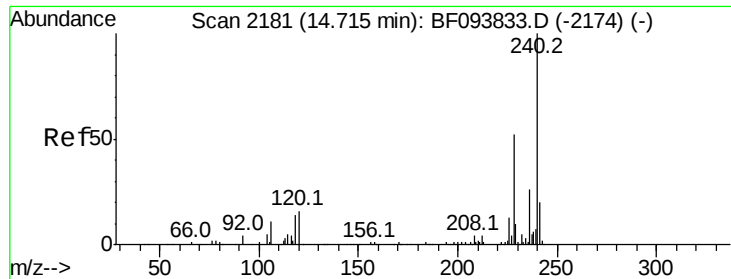


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.63 min Scan# 2167

Delta R.T. 0.01 min

Lab File: BF094110.D

Acq: 31 Mar 2017 21:43

Instrument :

BNA_F

ClientSampleId :

E2-BB-7-8-SSW

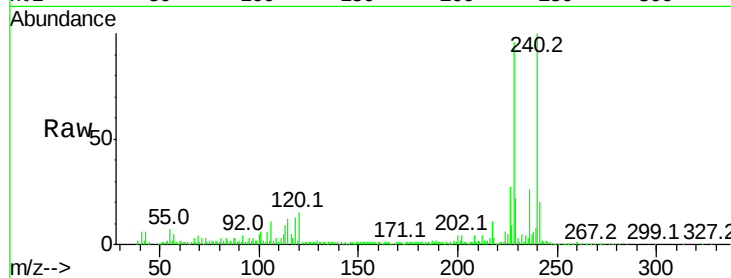
Tot Ion:240 Resp: 305220

Ion Ratio Lower Upper

240 100

120 14.8 5.8 8.8#

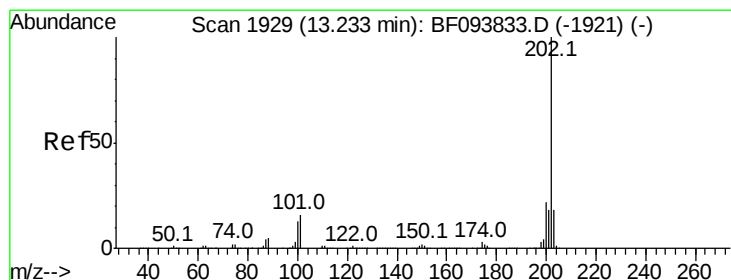
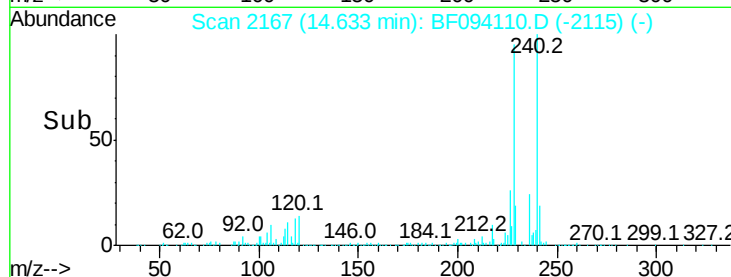
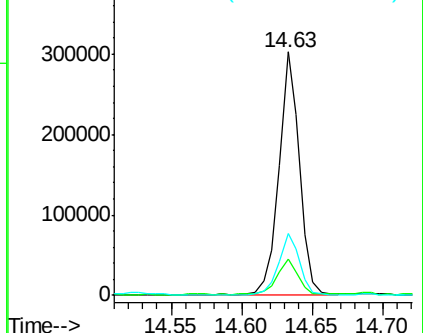
236 25.5 20.5 30.7



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: 94.04 ng

RT: 13.16 min Scan# 1916

Delta R.T. 0.01 min

Lab File: BF094110.D

Acq: 31 Mar 2017 21:43

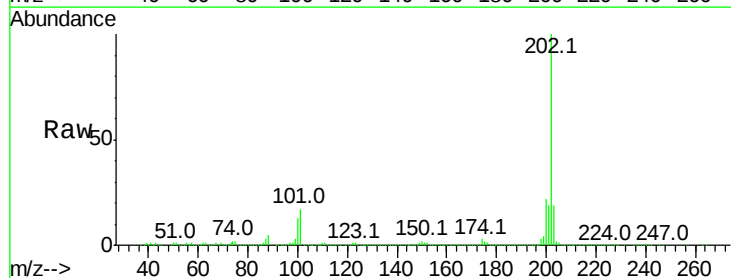
Tgt Ion:202 Resp: 2083037

Ion Ratio Lower Upper

202 100

200 22.2 17.6 26.4

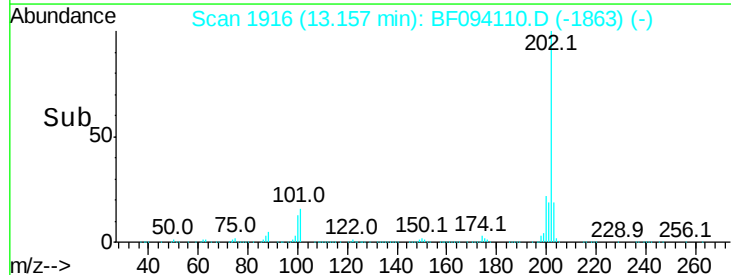
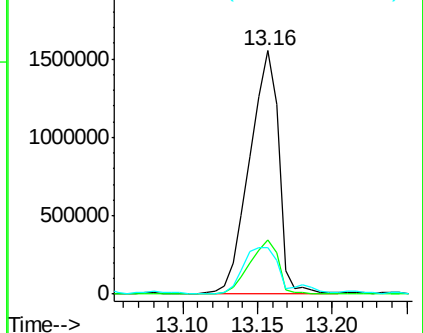
203 19.0 14.4 21.6

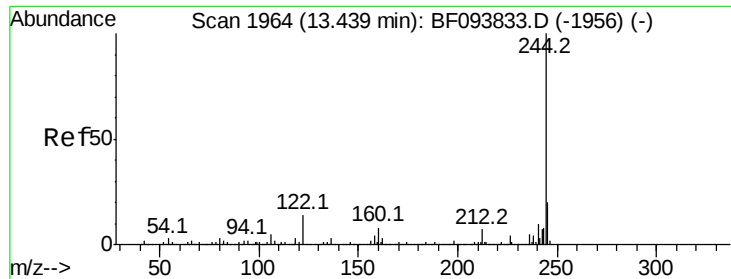


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

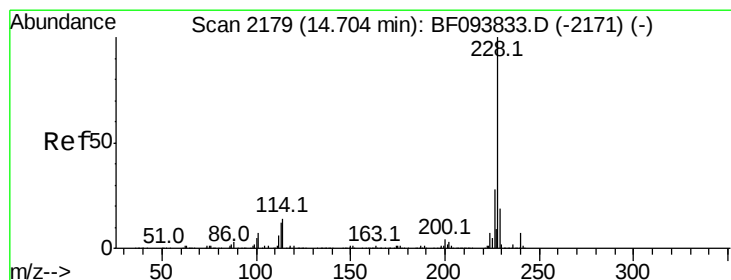
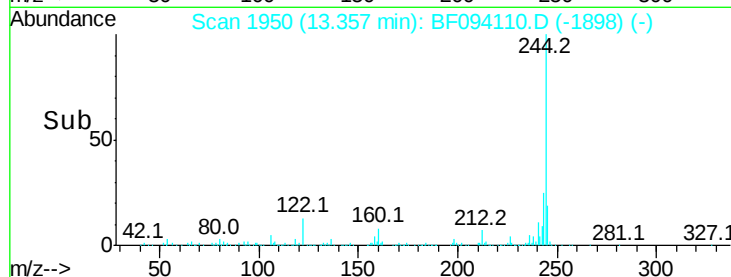
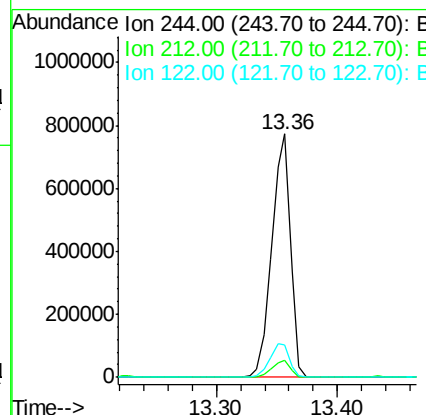
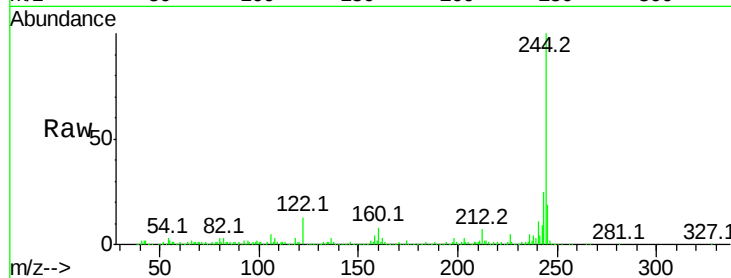




#78
 Terphenyl-d14
 Concen: 61.34 ng
 RT: 13.36 min Scan# 1950
 Delta R.T. 0.01 min
 Lab File: BF094110.D
 Acq: 31 Mar 2017 21:43

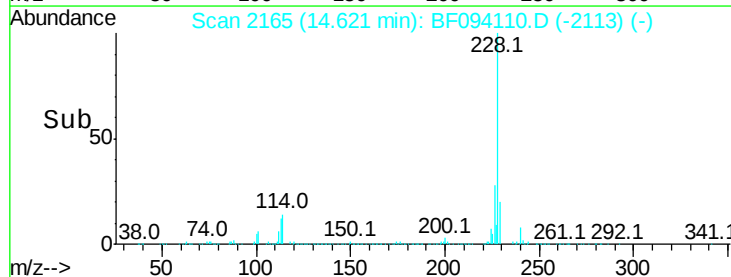
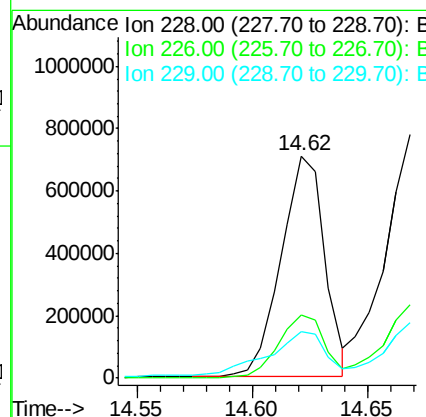
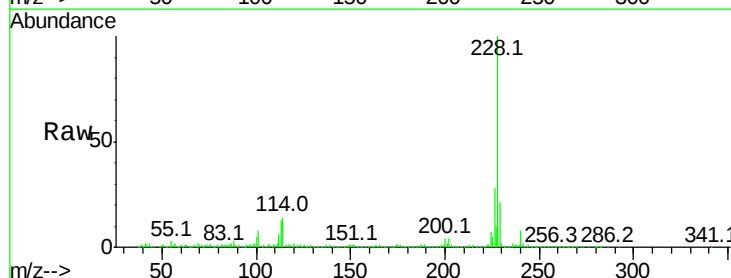
Instrument :
 BNA_F
 ClientSampleId :
 E2-BB-7-8-SSW

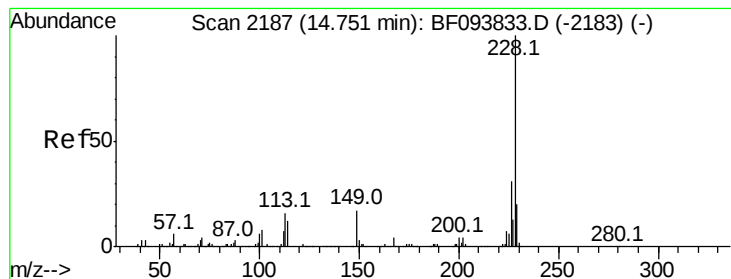
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	13.2	10.3	15.5



#80
 Benzo(a)anthracene
 Concen: 51.88 ng
 RT: 14.62 min Scan# 2165
 Delta R.T. 0.01 min
 Lab File: BF094110.D
 Acq: 31 Mar 2017 21:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	20.8	16.3	24.5





#82

Chrysene

Concen: 55.31 ng

RT: 14.67 min Scan# 2173

Delta R.T. 0.01 min

Lab File: BF094110.D

Acq: 31 Mar 2017 21:43

Instrument :

BNA_F

ClientSampleId :

E2-BB-7-8-SSW

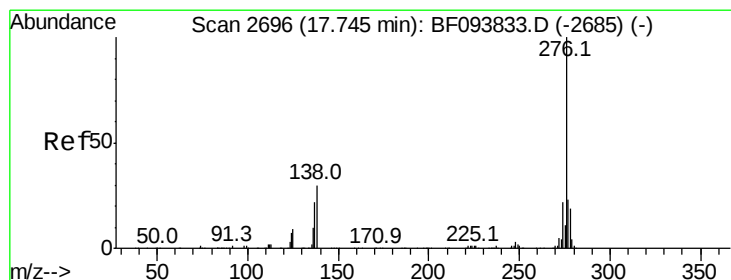
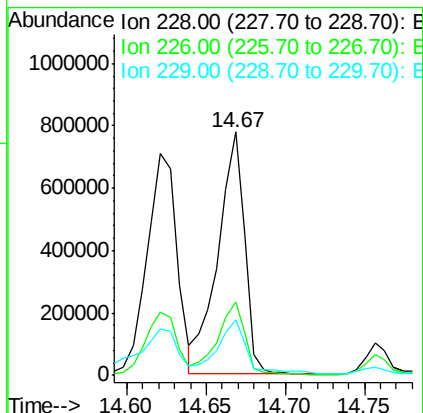
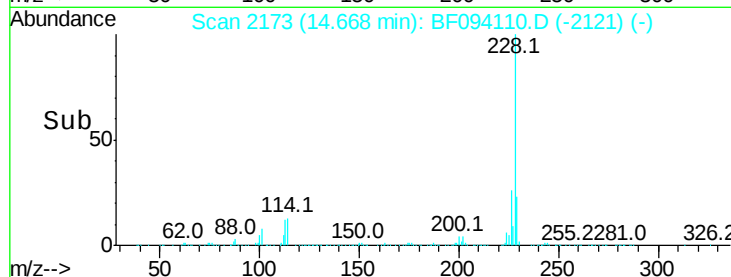
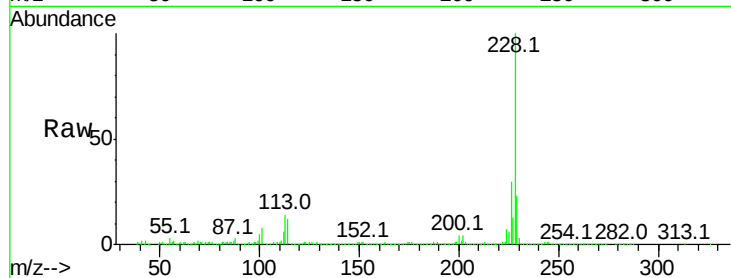
Tot Ion:228 Resp: 913555

Ion Ratio Lower Upper

228 100

226 30.1 24.9 37.3

229 23.0 15.8 23.6



#85

Indeno(1,2,3-cd)pyrene

Concen: 25.38 ng

RT: 17.62 min Scan# 2674

Delta R.T. 0.01 min

Lab File: BF094110.D

Acq: 31 Mar 2017 21:43

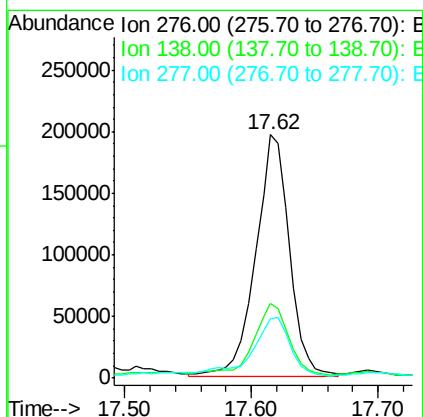
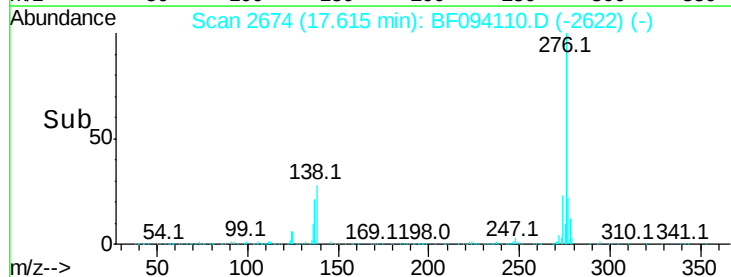
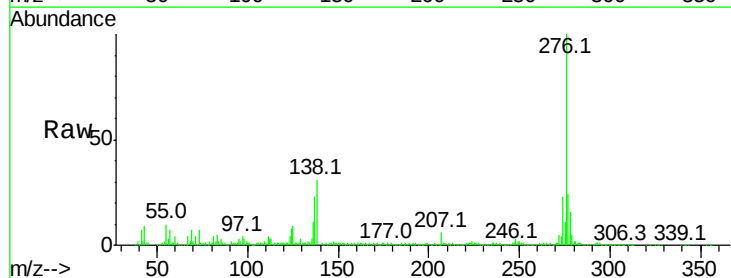
Tgt Ion:276 Resp: 363072

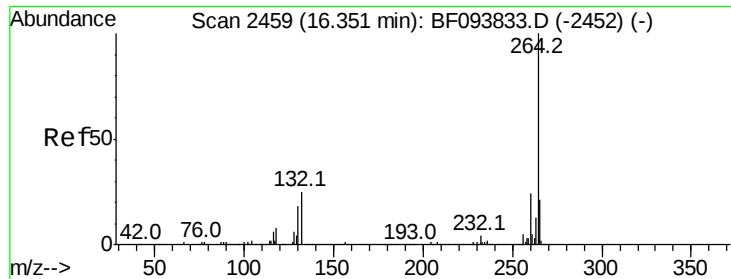
Ion Ratio Lower Upper

276 100

138 29.8 27.8 41.6

277 28.0 20.2 30.4





#86

Pervlene-d12

Concen: 20.00 ng

RT: 16.26 min Scan# 2444

Delta R.T. 0.01 min

Lab File: BF094110.D

Acq: 31 Mar 2017 21:43

Instrument :

BNA_F

ClientSampleId :

E2-BB-7-8-SSW

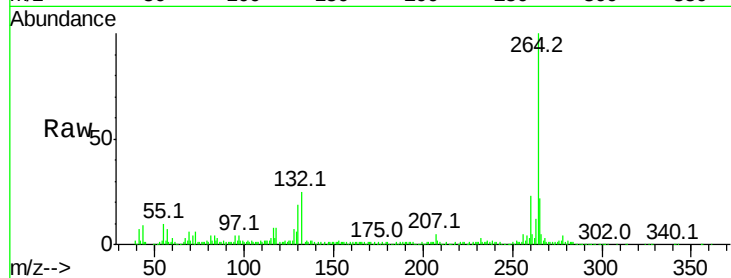
Tot Ion:264 Resp: 300846

Ion Ratio Lower Upper

264 100

260 23.4 19.5 29.3

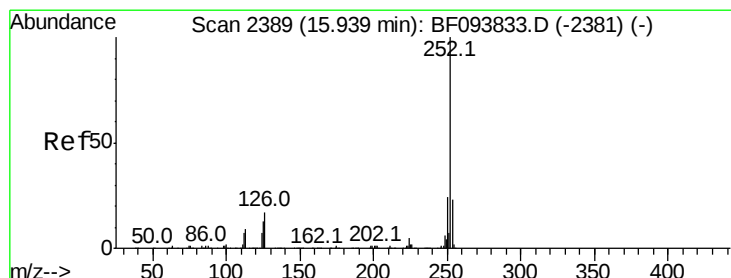
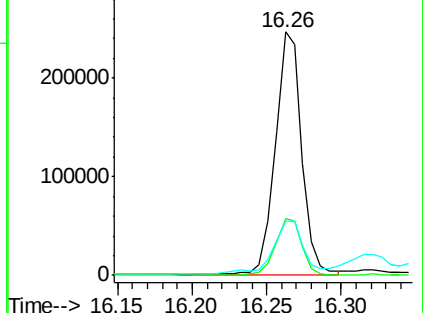
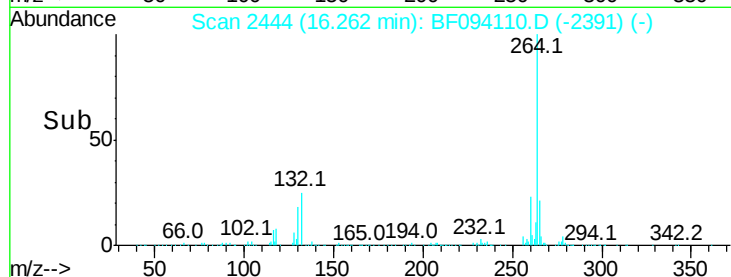
265 22.0 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 69.07 ng

RT: 15.86 min Scan# 2376

Delta R.T. 0.01 min

Lab File: BF094110.D

Acq: 31 Mar 2017 21:43

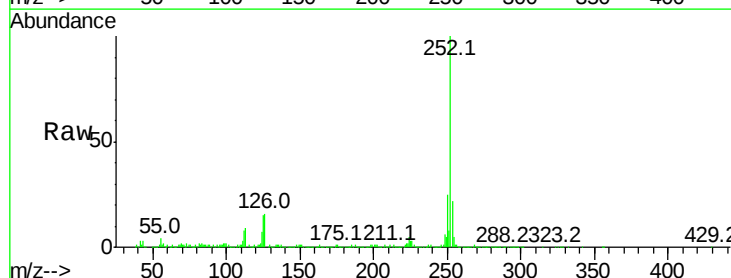
Tgt Ion:252 Resp: 1273677

Ion Ratio Lower Upper

252 100

253 22.3 18.1 27.1

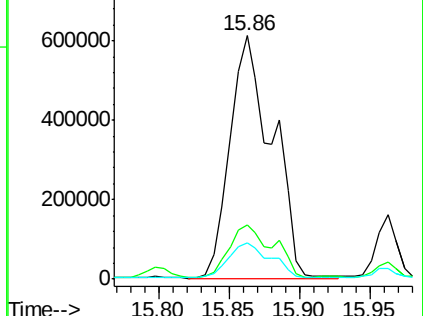
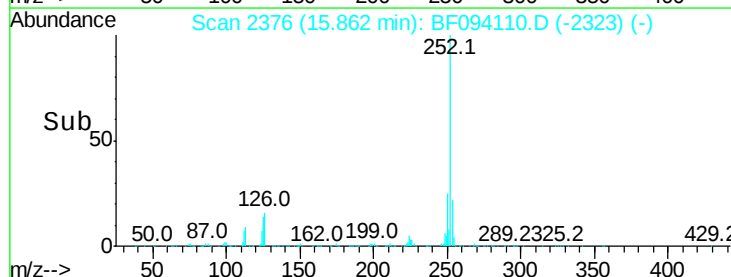
125 14.9 9.8 14.8#

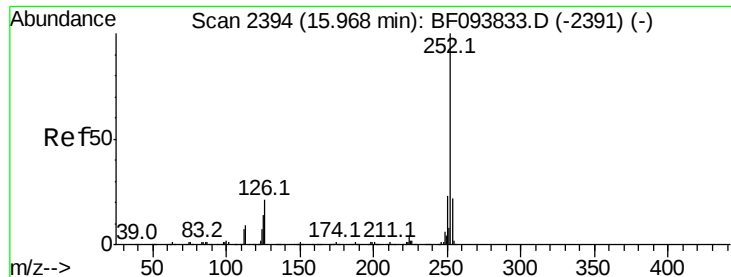


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

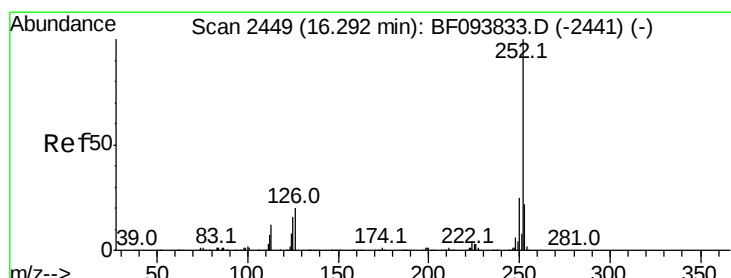
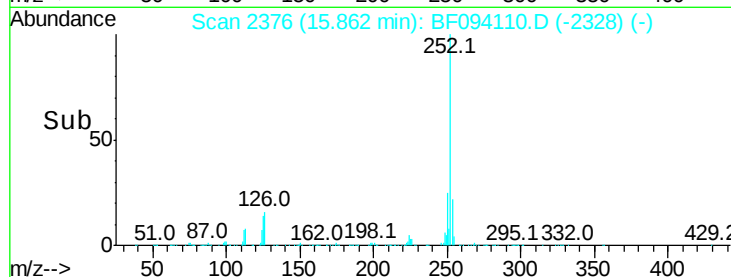
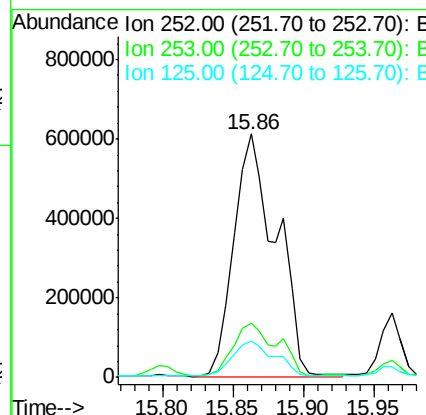
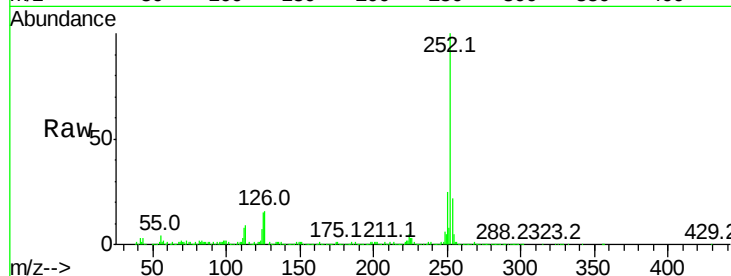




#88
Benzo(k)fluoranthene
Concen: 70.59 ng
RT: 15.86 min Scan# 2376
Delta R.T. -0.02 min
Lab File: BF094110.D
Acq: 31 Mar 2017 21:43

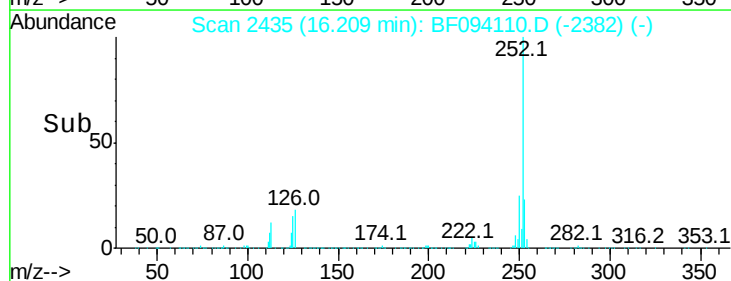
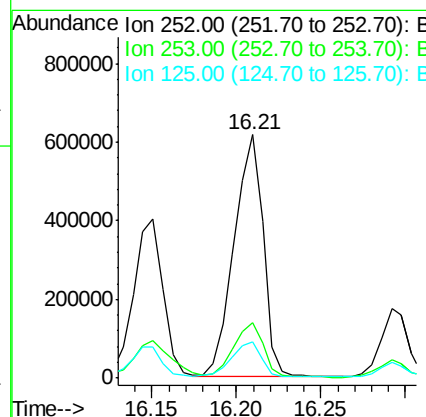
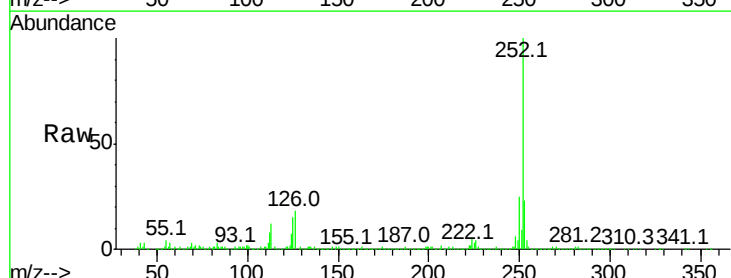
Instrument :
BNA_F
ClientSampleId :
E2-BB-7-8-SSW

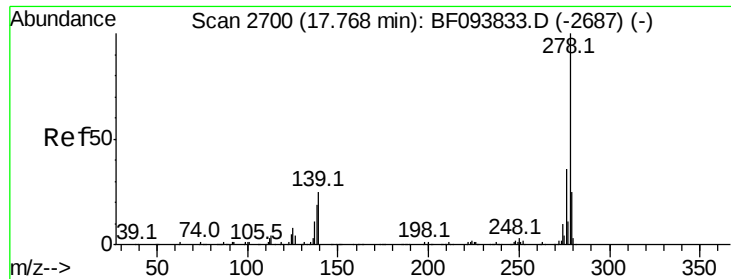
Tot Ion:252 Resp: 1273677
Ion Ratio Lower Upper
252 100
253 22.3 18.4 27.6
125 14.9 13.1 19.7



#89
Benzo(a)pyrene
Concen: 43.76 ng
RT: 16.21 min Scan# 2435
Delta R.T. 0.01 min
Lab File: BF094110.D
Acq: 31 Mar 2017 21:43

Tgt Ion:252 Resp: 743121
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 15.0 11.0 16.4

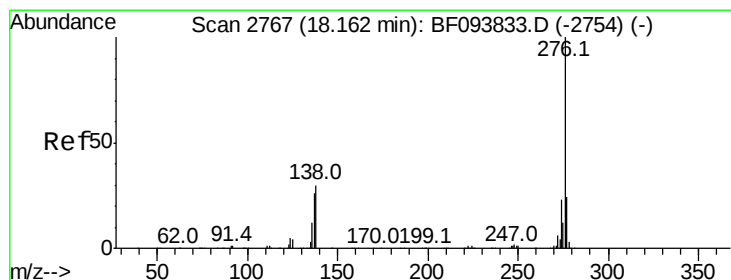
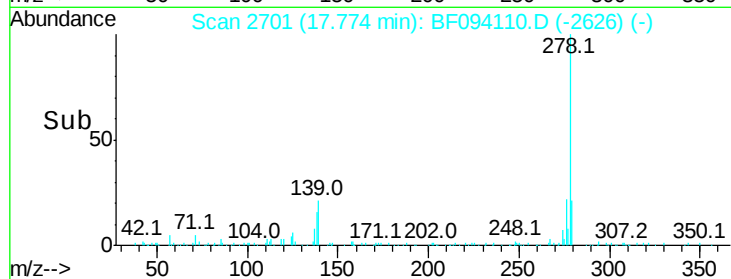
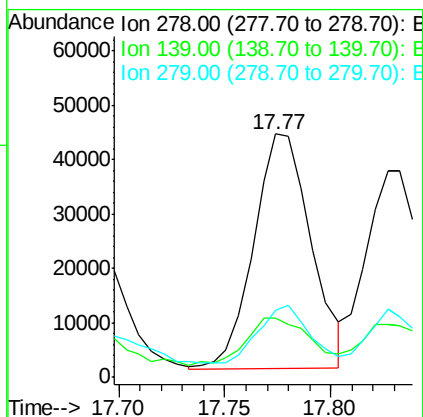
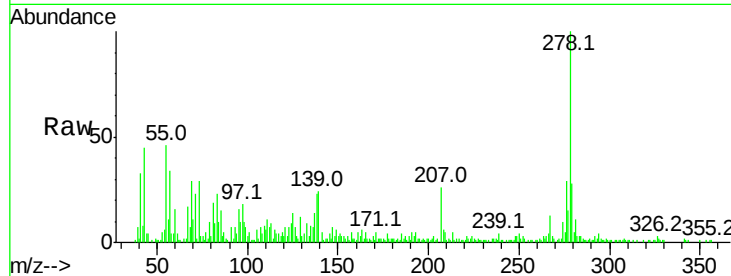




#90
Dibenzo(a,h)anthracene
Concen: 5.65 ng
RT: 17.77 min Scan# 2701
Delta R.T. 0.14 min
Lab File: BF094110.D
Acq: 31 Mar 2017 21:43

Instrument :
BNA_F
ClientSampleId :
E2-BB-7-8-SSW

Tot Ion:278 Resp: 81266
Ion Ratio Lower Upper
278 100
139 24.2 16.6 24.8
279 27.7 19.3 28.9



#91
Benzo(g,h,i)perylene
Concen: 22.68 ng
RT: 18.02 min Scan# 2742
Delta R.T. 0.01 min
Lab File: BF094110.D
Acq: 31 Mar 2017 21:43

Tgt Ion:276 Resp: 328747
Ion Ratio Lower Upper
276 100
277 25.3 18.6 28.0
138 31.7 25.4 38.0

