

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041015\
 Data File : BF078432.D
 Acq On : 11 Apr 2015 9:23
 Operator : TP/IZ
 Sample : G1841-02
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP-2

Quant Time: Apr 13 02:21:24 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 09 11:29:31 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	40472	20.00	ng	-0.02
21) Naphthalene-d8	8.44	136	171601	20.00	ng	-0.02
38) Acenaphthene-d10	10.59	164	89062	20.00	ng	-0.05
63) Phenanthrene-d10	12.43	188	174449	20.00	ng	-0.03
75) Chrysene-d12	15.70	240	162168	20.00	ng	-0.05
86) Perylene-d12	17.39	264	181854	20.00	ng	-0.07

System Monitoring Compounds						
5) 2-Fluorophenol	5.12	112	200867	81.83	ng	-0.06
7) Phenol-d6	6.46	99	270723	88.00	ng	-0.01
23) Nitrobenzene-d5	7.56	82	156489	55.28	ng	-0.02
41) 2,4,6-Tribromophenol	11.57	330	68971	93.37	ng	-0.05
44) 2-Fluorobiphenyl	9.79	172	352103	56.51	ng	-0.02
78) Terphenyl-d14	14.42	244	420508	58.59	ng	-0.05

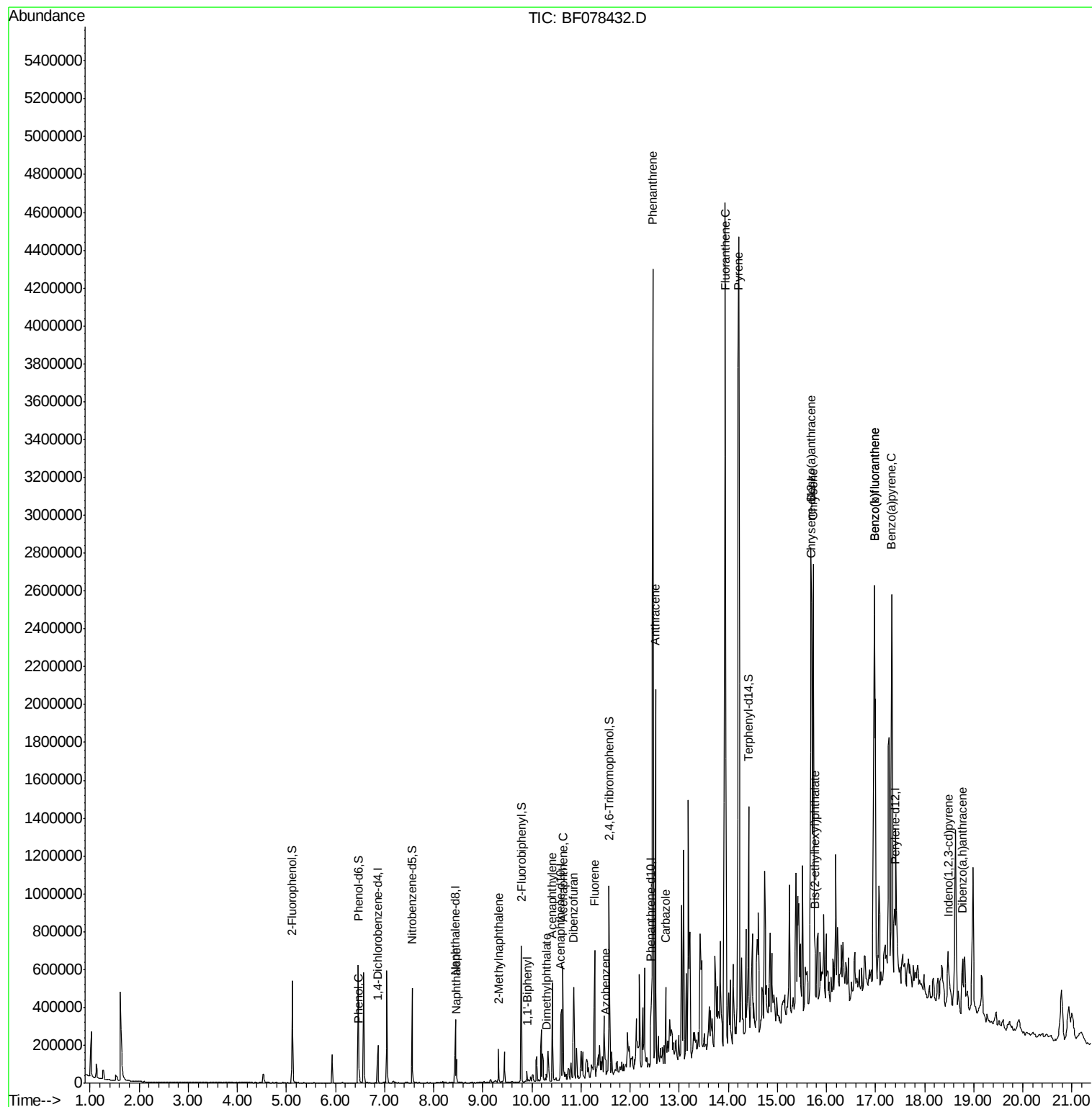
Target Compounds				Qvalue		
10) Phenol	6.48	94	8458	2.29	ng	84
31) Naphthalene	8.46	128	55089	6.17	ng	99
37) 2-Methylnaphthalene	9.32	142	47005	7.75	ng	97
45) 1,1'-Biphenyl	9.90	154	19858	2.73	ng	98
48) Acenaphthylene	10.42	152	230044	24.85	ng	99
49) Dimethylphthalate	10.29	163	17179	2.57	ng	99
51) Acenaphthene	10.64	154	133144	25.55	ng	99
54) Dibenzofuran	10.85	168	195952	24.62	ng	96
57) Fluorene	11.28	166	218328	33.84	ng	99
62) Azobenzene	11.50	77	16173	2.75	ng	# 1
70) Phenanthrene	12.46	178	2904676	287.85	ng	96
71) Anthracene	12.52	178	805321	80.99	ng	98
72) Carbazole	12.73	167	160335	17.21	ng	97
74) Fluoranthene	13.94	202	3093773	290.72	ng	96
77) Pyrene	14.21	202	2823107	277.31	ng	# 89
80) Benzo(a)anthracene	15.69	228	1690134	175.17	ng	94
82) Chrysene	15.73	228	1380279	152.26	ng	95
83) Bis(2-ethylhexyl)phthalate	15.77	149	18317	3.01	ng	99
85) Indeno(1,2,3-cd)pyrene	18.49	276	159347	15.49	ng	94
87) Benzo(b)fluoranthene	16.98	252	2132422	189.73	ng	# 93
88) Benzo(k)fluoranthene	16.98	252	2148226	215.08	ng	96
89) Benzo(a)pyrene	17.33	252	1135956	115.81	ng	# 91
90) Dibenzo(a,h)anthracene	18.77	278	161868	16.48	ng	94

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 523

Delta R.T. -0.02 min

Lab File: BF078432.D

Acq: 11 Apr 2015 9:23

Instrument :

BNA_F

ClientSampleId :

EP-2

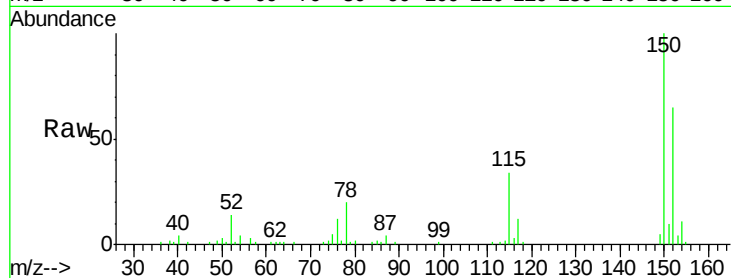
Tgt Ion:152 Resp: 40472

Ion Ratio Lower Upper

152 100

150 153.4 125.9 188.9

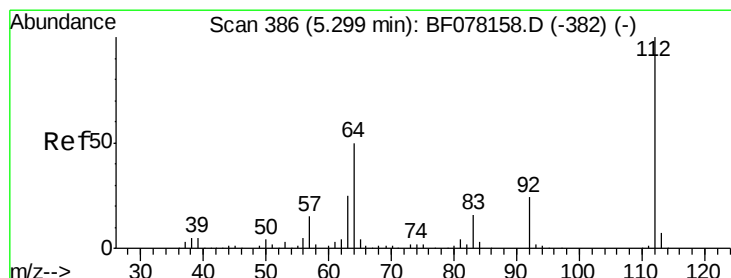
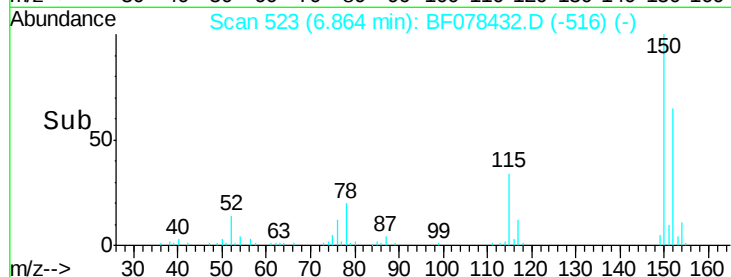
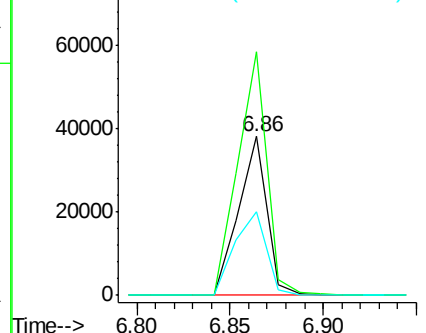
115 52.4 52.7 79.1#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 81.83 ng

RT: 5.12 min Scan# 370

Delta R.T. -0.06 min

Lab File: BF078432.D

Acq: 11 Apr 2015 9:23

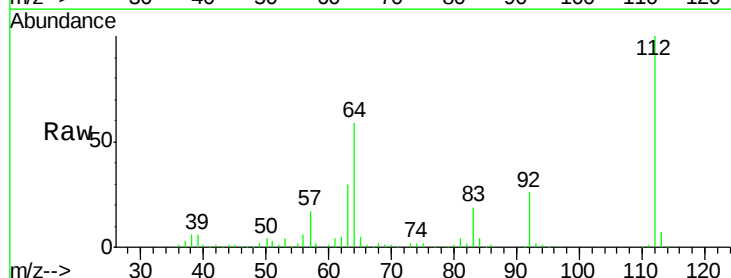
Tgt Ion:112 Resp: 200867

Ion Ratio Lower Upper

112 100

64 59.0 39.9 59.9

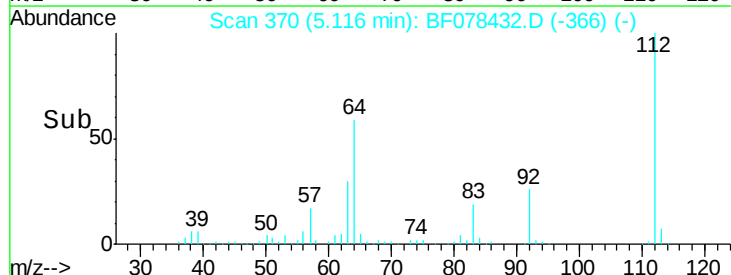
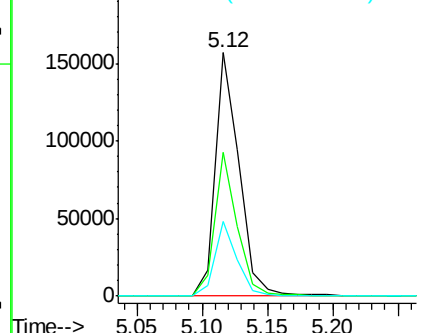
63 30.5 20.2 30.4#



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: 88.00 ng

RT: 6.46 min Scan# 488

Delta R.T. -0.01 min

Lab File: BF078432.D

Acq: 11 Apr 2015 9:23

Instrument :

BNA_F

ClientSampleId :

EP-2

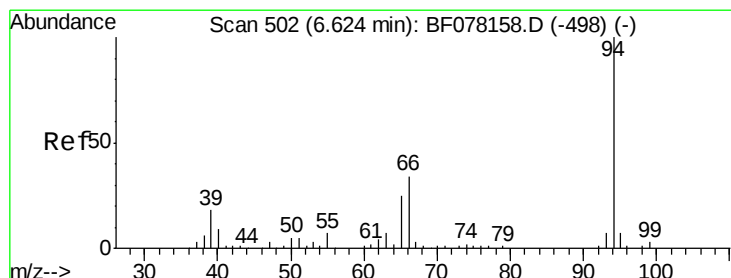
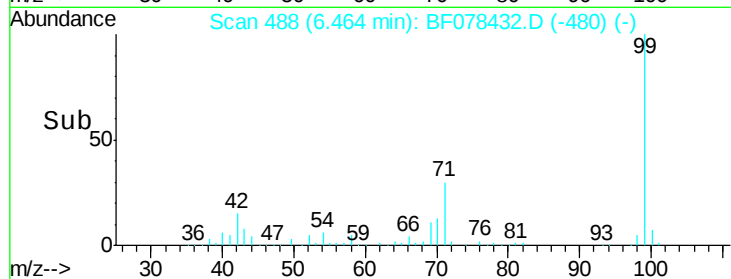
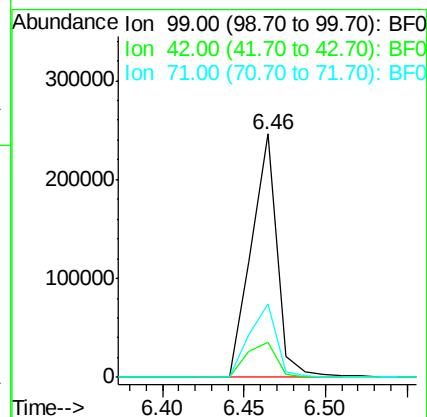
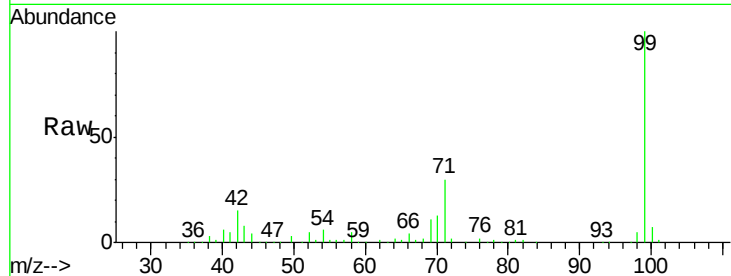
Tgt Ion: 99 Resp: 270723

Ion Ratio Lower Upper

99 100

42 14.5 14.8 22.2#

71 30.1 26.6 39.8



#10

Phenol

Concen: 2.29 ng

RT: 6.48 min Scan# 489

Delta R.T. -0.02 min

Lab File: BF078432.D

Acq: 11 Apr 2015 9:23

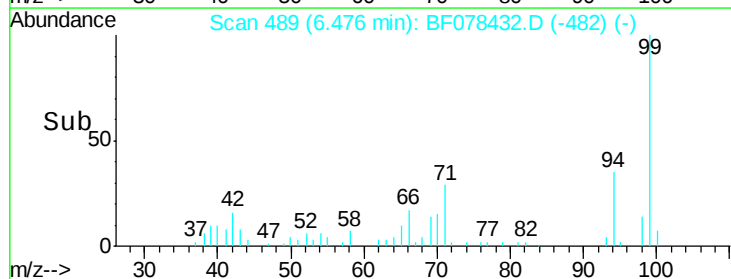
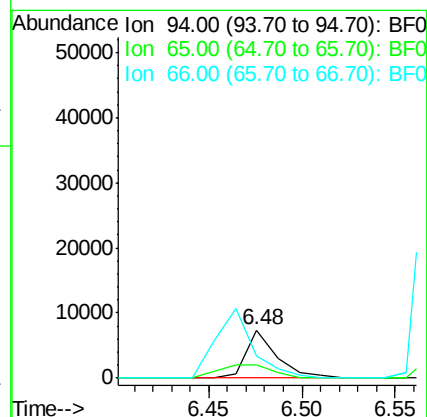
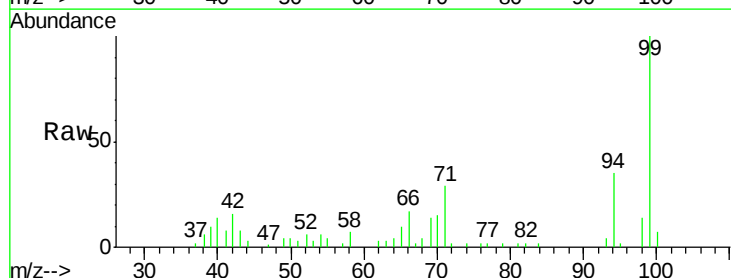
Tgt Ion: 94 Resp: 8458

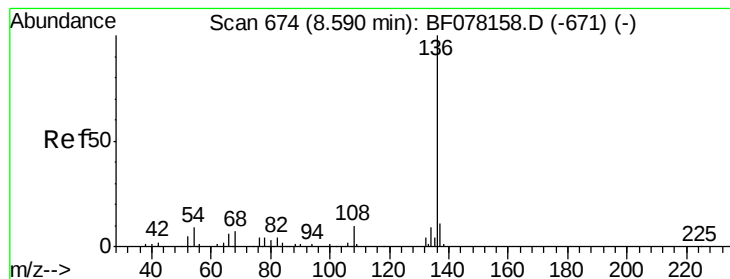
Ion Ratio Lower Upper

94 100

65 28.4 4.9 44.9

66 47.2 13.8 53.8





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.44 min Scan# 661

Delta R.T. -0.02 min

Lab File: BF078432.D

Acq: 11 Apr 2015 9:23

Instrument :

BNA_F

ClientSampled :

EP-2

Tgt Ion:136 Resp: 171601

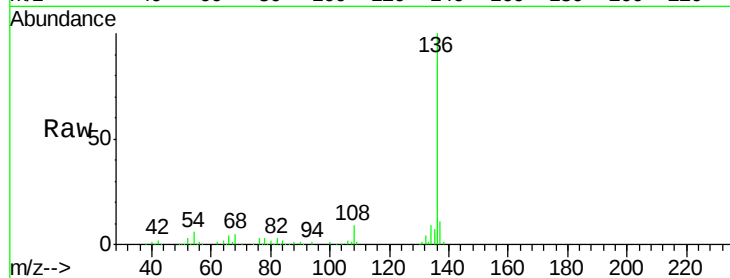
Ion Ratio Lower Upper

136 100

137 10.5 9.0 13.4

54 6.4 7.0 10.6#

68 4.9 5.4 8.2#

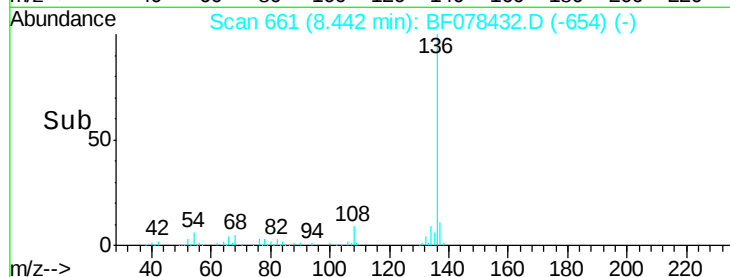


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

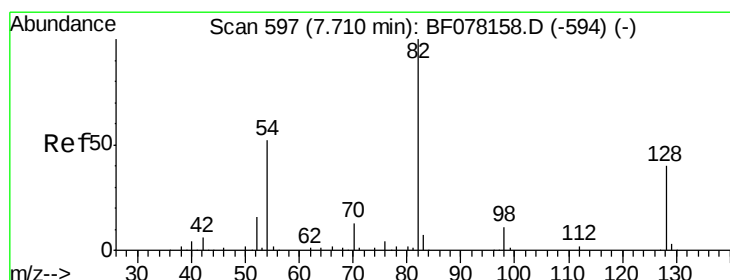
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->

8.44



#23

Nitrobenzene-d5

Concen: 55.28 ng

RT: 7.56 min Scan# 584

Delta R.T. -0.02 min

Lab File: BF078432.D

Acq: 11 Apr 2015 9:23

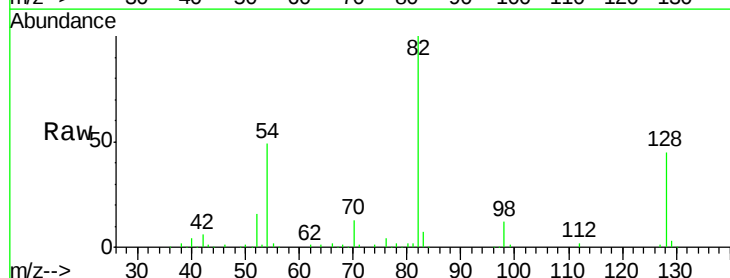
Tgt Ion: 82 Resp: 156489

Ion Ratio Lower Upper

82 100

128 45.2 31.8 47.8

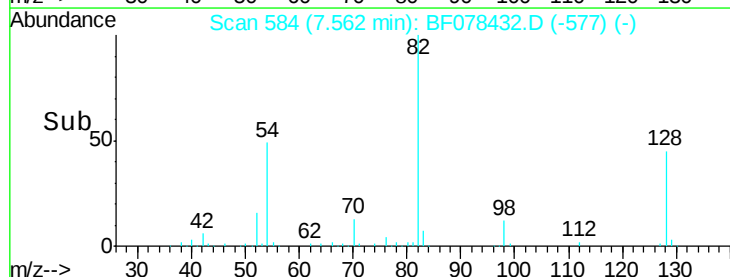
54 48.8 41.5 62.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

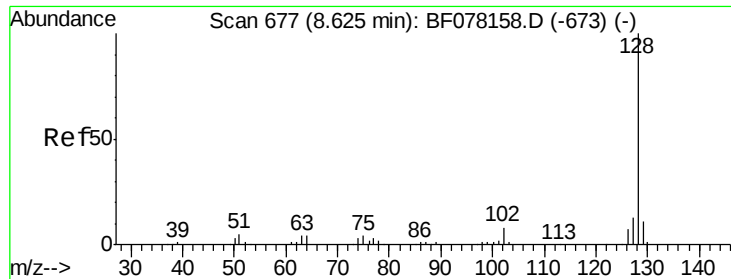
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->

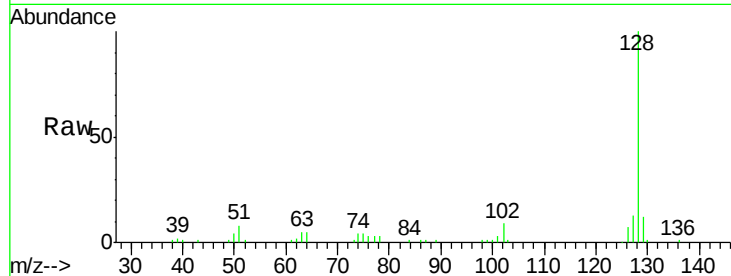
7.56



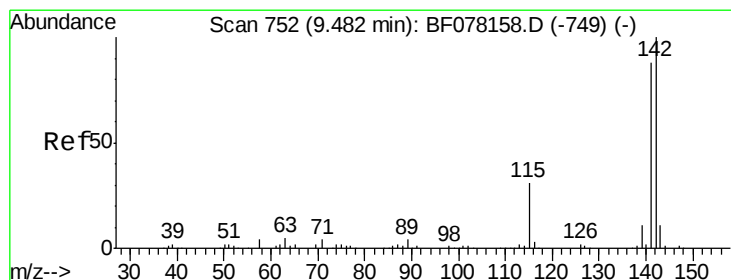
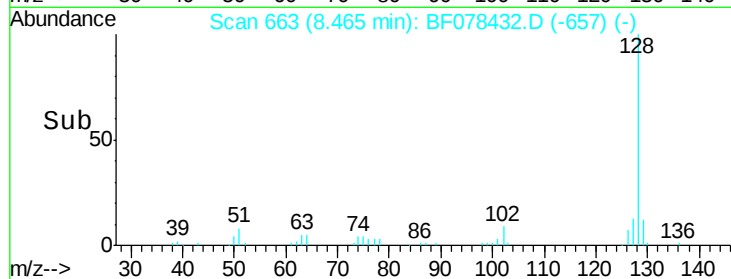
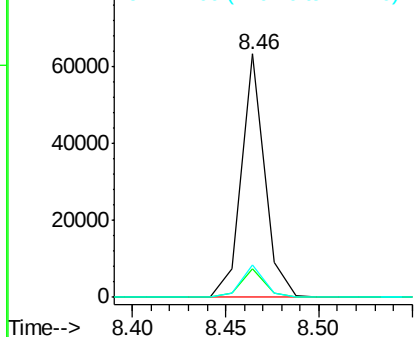
#31
Naphthalene
Concen: 6.17 ng
RT: 8.46 min Scan# 663
Delta R.T. -0.03 min
Lab File: BF078432.D
Acq: 11 Apr 2015 9:23

Instrument :
BNA_F
ClientSampleId :
EP-2

Tgt Ion:128 Resp: 55089
Ion Ratio Lower Upper
128 100
129 11.5 8.6 12.8
127 13.1 10.7 16.1

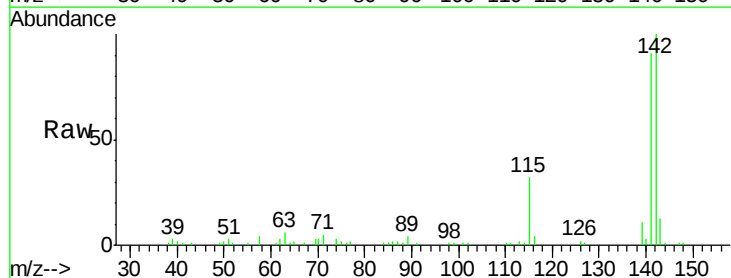


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

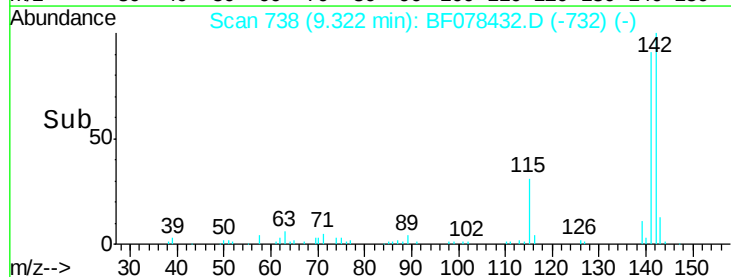
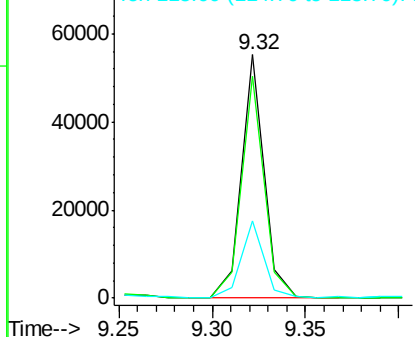


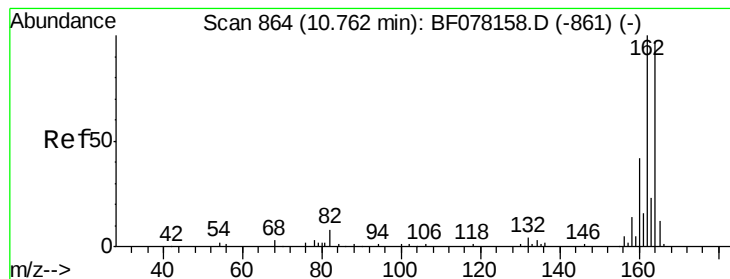
#37
2-Methylnaphthalene
Concen: 7.75 ng
RT: 9.32 min Scan# 738
Delta R.T. -0.03 min
Lab File: BF078432.D
Acq: 11 Apr 2015 9:23

Tgt Ion:142 Resp: 47005
Ion Ratio Lower Upper
142 100
141 91.3 70.3 105.5
115 31.7 24.6 37.0



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: 10.59 min Scan# 849

Delta R.T. -0.05 min

Lab File: BF078432.D

Acq: 11 Apr 2015 9:23

Instrument :

BNA_F

ClientSampleId :

EP-2

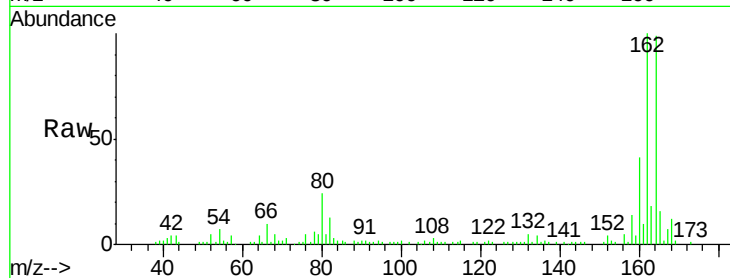
Tgt Ion:164 Resp: 89062

Ion Ratio Lower Upper

164 100

162 101.3 82.2 123.2

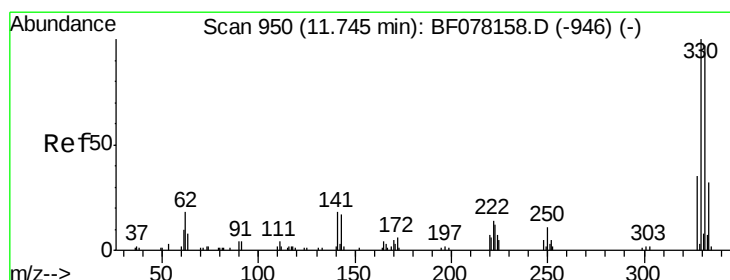
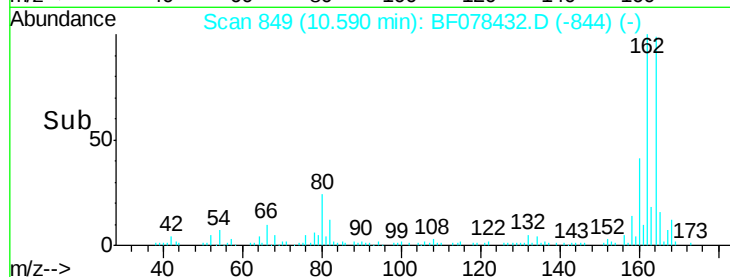
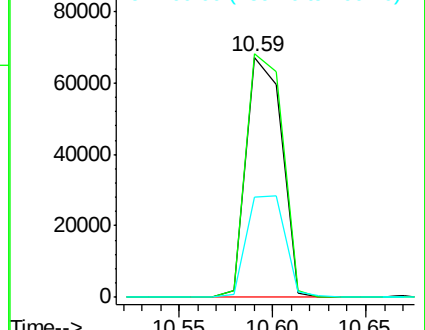
160 41.9 34.7 52.1



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: 93.37 ng

RT: 11.57 min Scan# 935

Delta R.T. -0.05 min

Lab File: BF078432.D

Acq: 11 Apr 2015 9:23

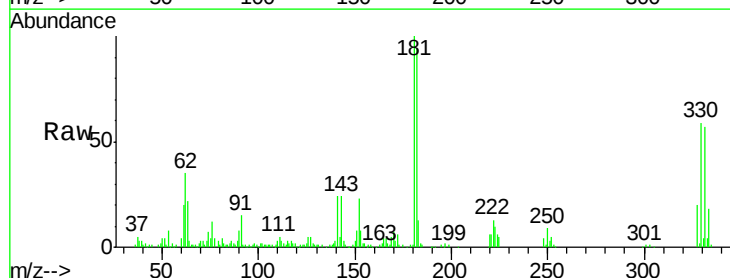
Tgt Ion:330 Resp: 68971

Ion Ratio Lower Upper

330 100

332 96.6 78.6 117.8

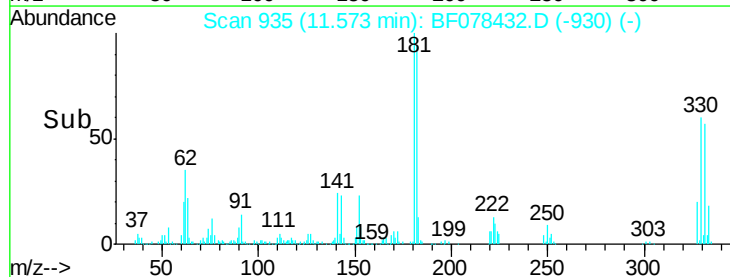
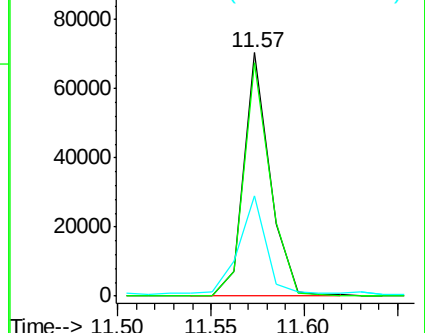
141 42.3 31.2 46.8

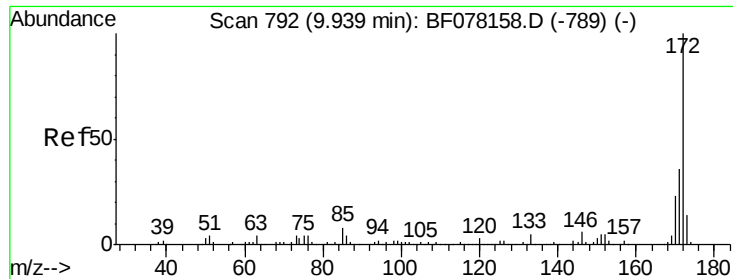


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

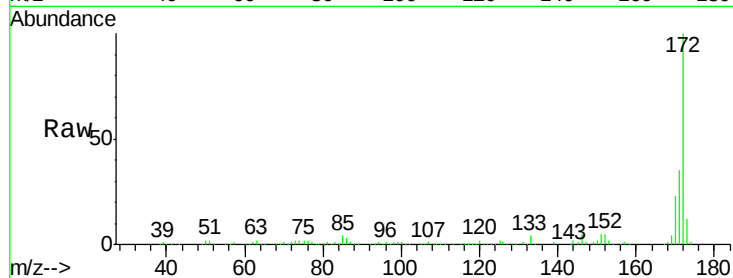




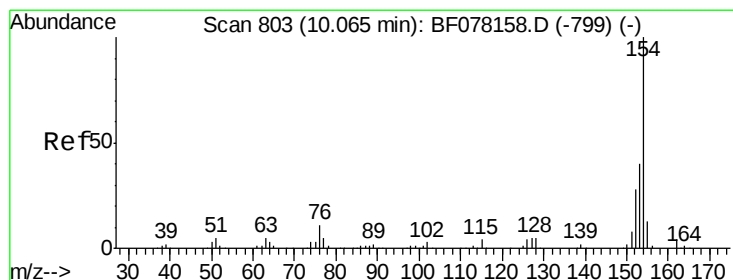
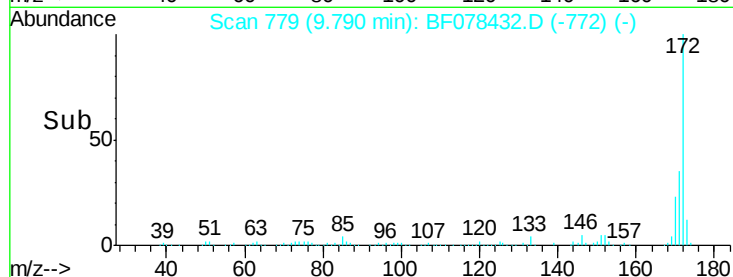
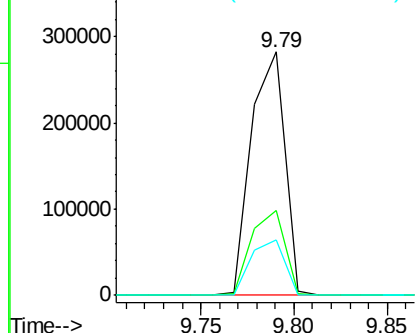
#44
 2-Fluorobiphenyl
 Concen: 56.51 ng
 RT: 9.79 min Scan# 779
 Delta R.T. -0.02 min
 Lab File: BF078432.D
 Acq: 11 Apr 2015 9:23

Instrument :
 BNA_F
 ClientSampleId :
 EP-2

Tgt Ion:172 Resp: 352103
 Ion Ratio Lower Upper
 172 100
 171 34.6 28.6 42.8
 170 22.6 18.5 27.7

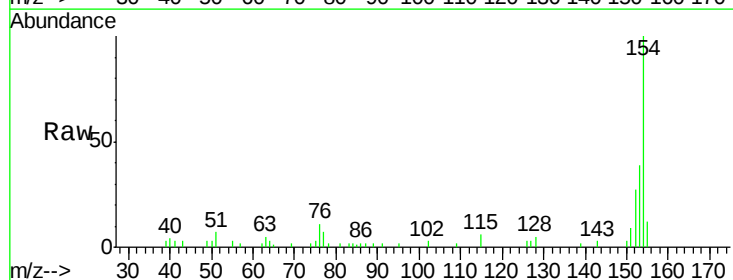


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

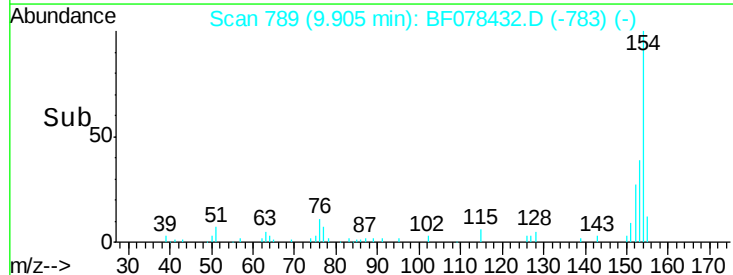
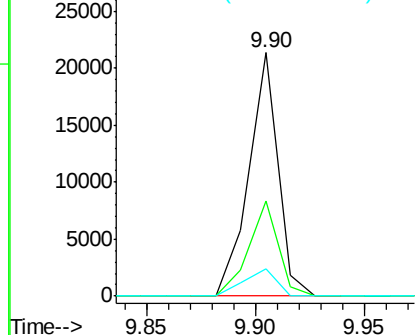


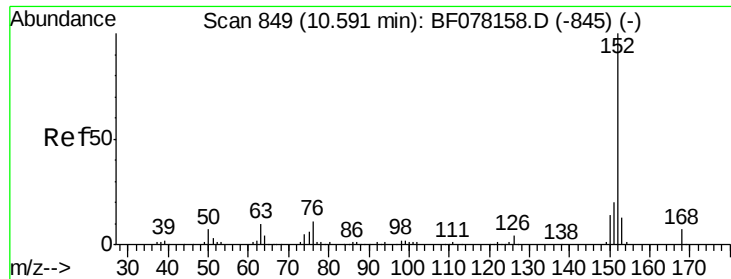
#45
 1,1'-Biphenyl
 Concen: 2.73 ng
 RT: 9.90 min Scan# 789
 Delta R.T. -0.03 min
 Lab File: BF078432.D
 Acq: 11 Apr 2015 9:23

Tgt Ion:154 Resp: 19858
 Ion Ratio Lower Upper
 154 100
 153 39.1 20.0 60.0
 76 11.2 0.0 30.6



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0





#48

Acenaphthylene

Concen: 24.85 ng

RT: 10.42 min Scan# 834

Delta R.T. -0.05 min

Lab File: BF078432.D

Acq: 11 Apr 2015 9:23

Instrument :

BNA_F

ClientSampleId :

EP-2

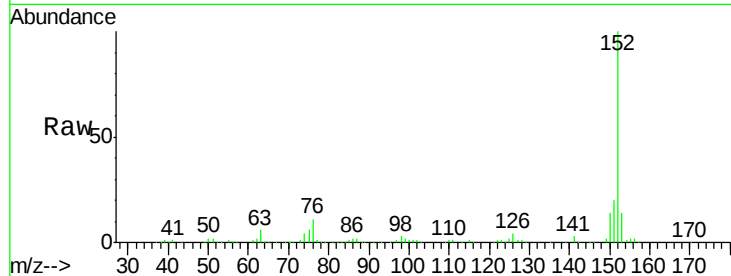
Tgt Ion:152 Resp: 230044

Ion Ratio Lower Upper

152 100

151 19.6 15.7 23.5

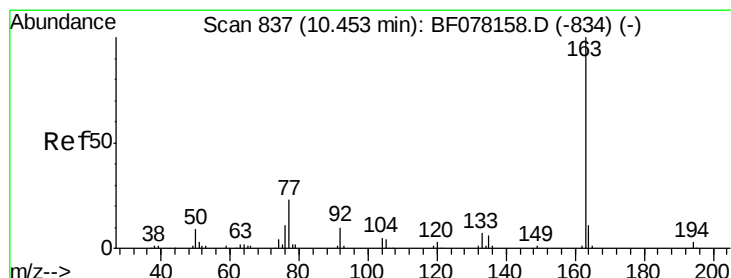
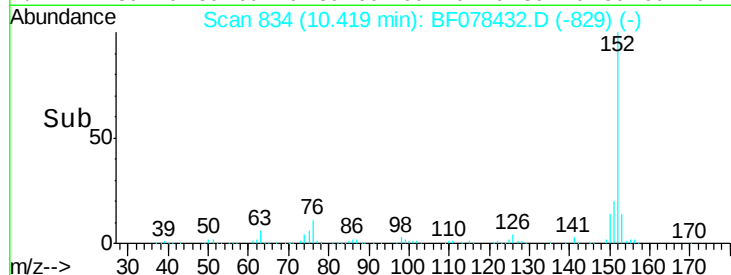
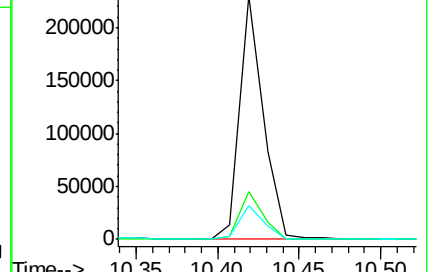
153 13.8 10.2 15.2



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: 2.57 ng

RT: 10.29 min Scan# 823

Delta R.T. -0.03 min

Lab File: BF078432.D

Acq: 11 Apr 2015 9:23

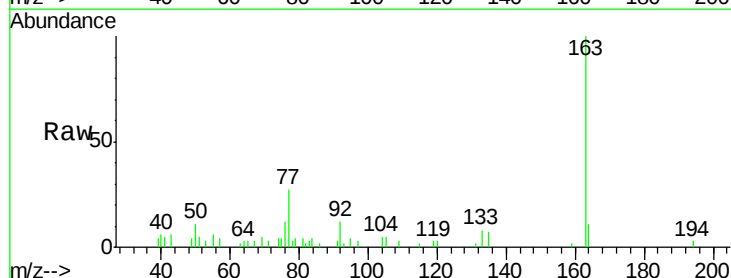
Tgt Ion:163 Resp: 17179

Ion Ratio Lower Upper

163 100

194 3.3 2.3 3.5

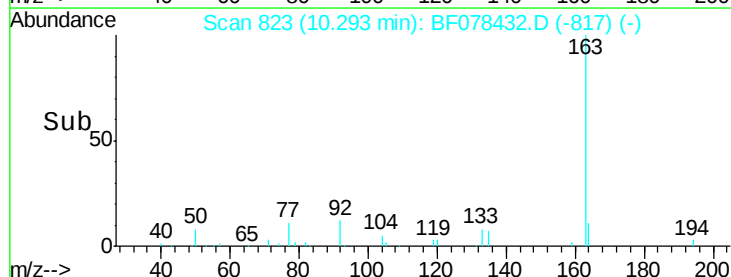
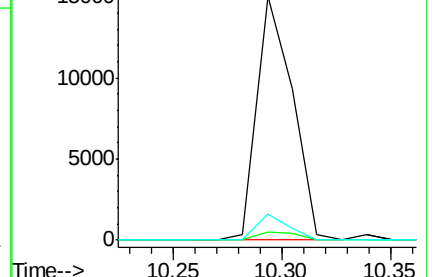
164 10.7 8.6 13.0

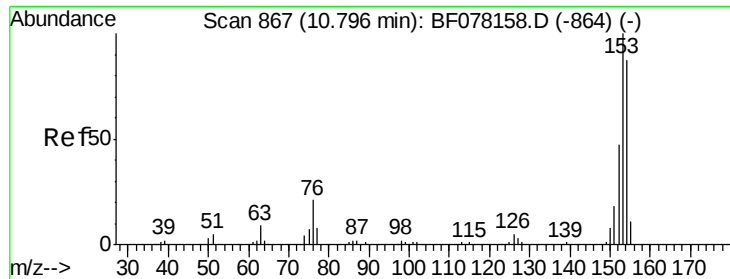


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 25.55 ng

RT: 10.64 min Scan# 853

Delta R.T. -0.03 min

Lab File: BF078432.D

Acq: 11 Apr 2015 9:23

Instrument :

BNA_F

ClientSampleId :

EP-2

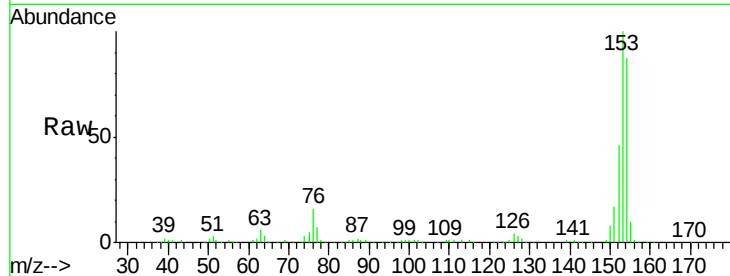
Tgt Ion:154 Resp: 133144

Ion Ratio Lower Upper

154 100

153 115.5 91.4 137.2

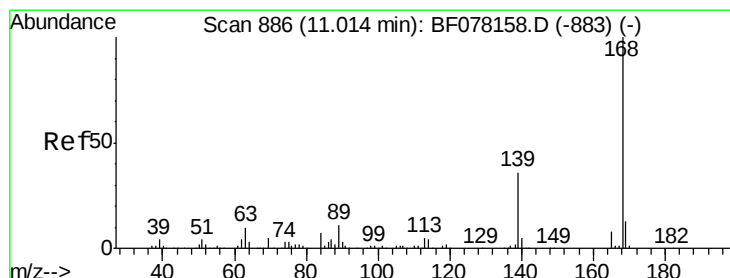
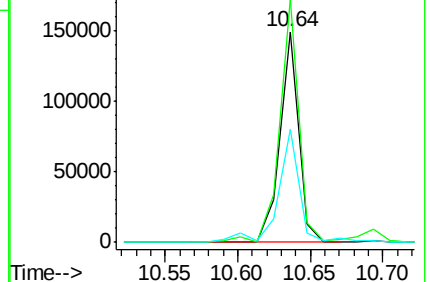
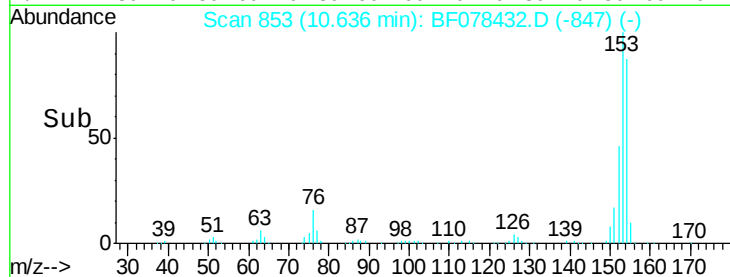
152 53.5 43.0 64.6



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: 24.62 ng

RT: 10.85 min Scan# 872

Delta R.T. -0.03 min

Lab File: BF078432.D

Acq: 11 Apr 2015 9:23

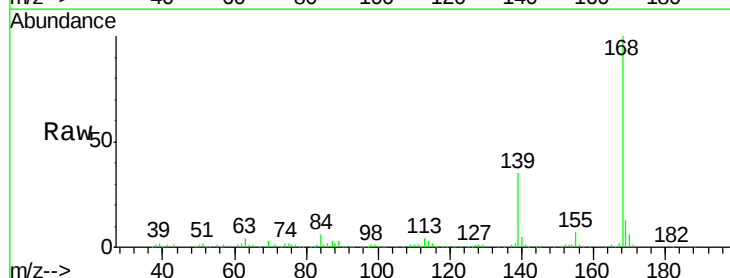
Tgt Ion:168 Resp: 195952

Ion Ratio Lower Upper

168 100

139 35.5 31.0 46.4

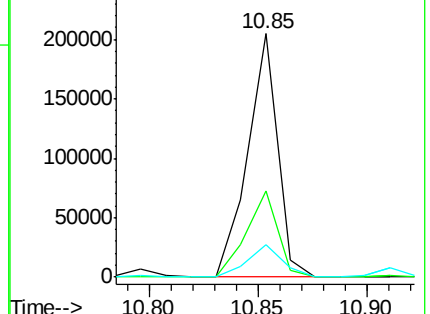
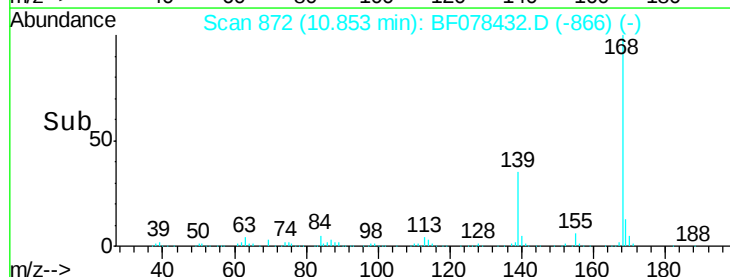
169 13.1 10.7 16.1

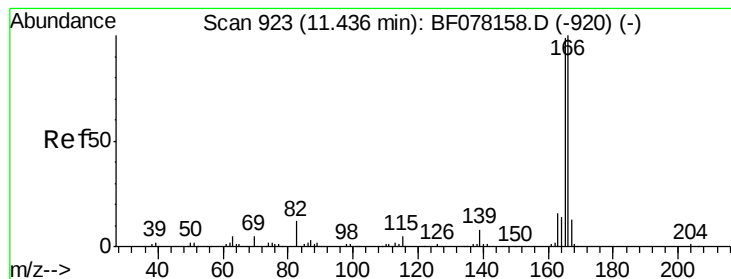


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 33.84 ng

RT: 11.28 min Scan# 909

Delta R.T. -0.03 min

Lab File: BF078432.D

Acq: 11 Apr 2015 9:23

Instrument :

BNA_F

ClientSampled :

EP-2

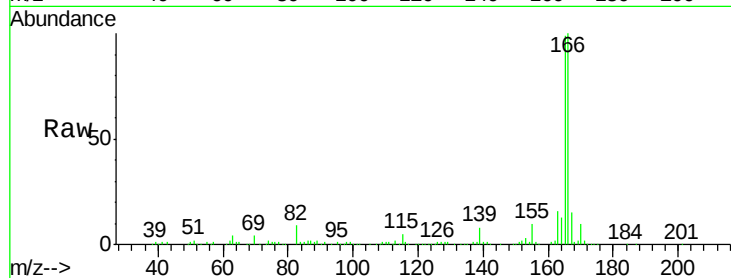
Tgt Ion:166 Resp: 218328

Ion Ratio Lower Upper

166 100

165 98.8 78.9 118.3

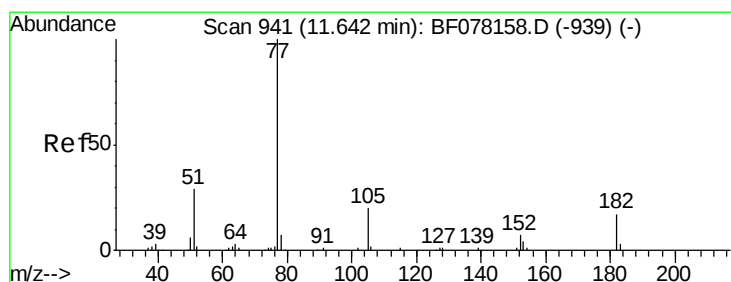
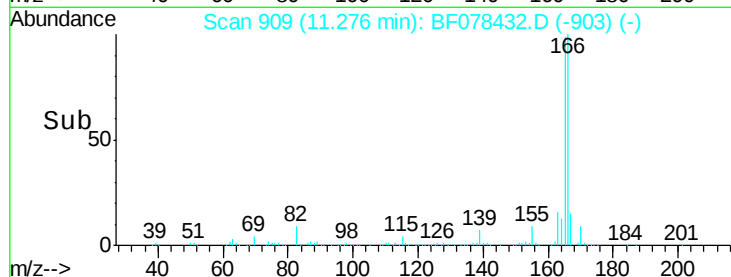
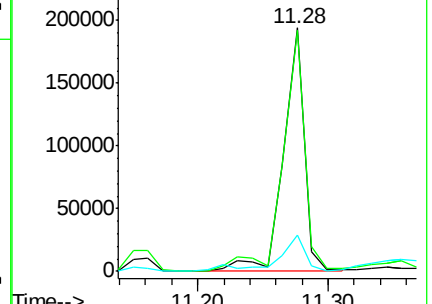
167 15.0 10.7 16.1



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



#62

Azobenzene

Concen: 2.75 ng

RT: 11.50 min Scan# 929

Delta R.T. -0.01 min

Lab File: BF078432.D

Acq: 11 Apr 2015 9:23

Tgt Ion: 77 Resp: 16173

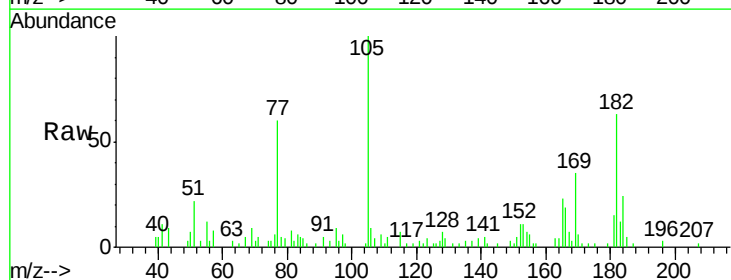
Ion Ratio Lower Upper

77 100

182 104.4 0.0 36.8#

105 165.4 0.3 40.3#

51 35.7 9.1 49.1

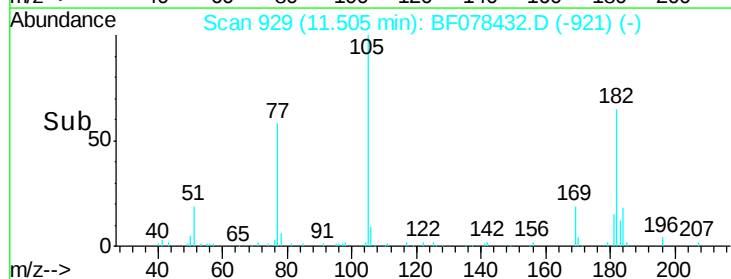
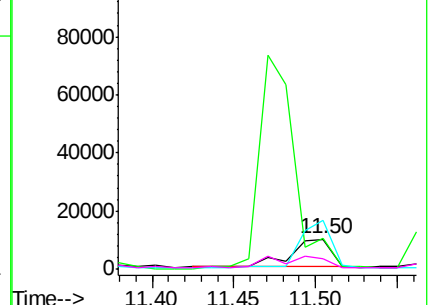


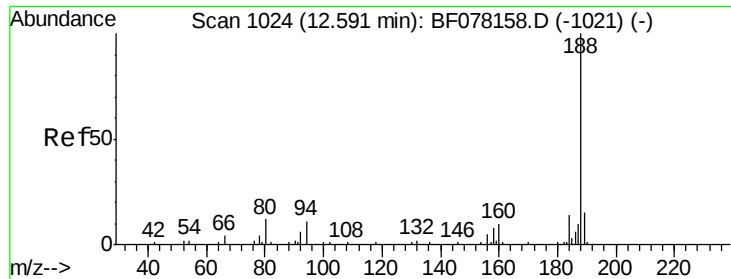
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

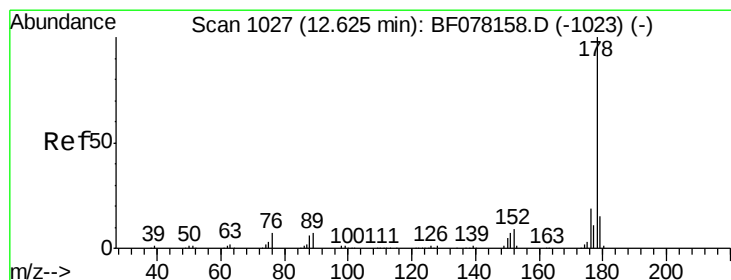
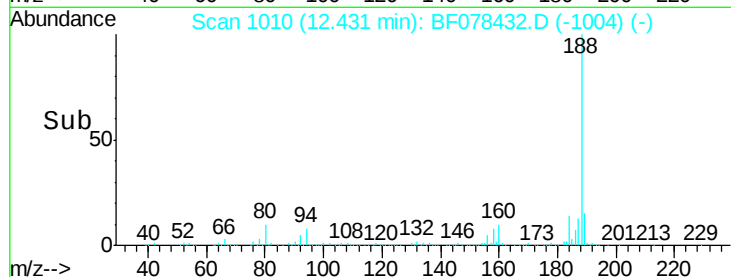
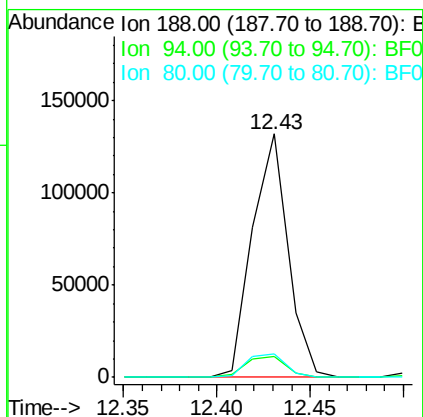
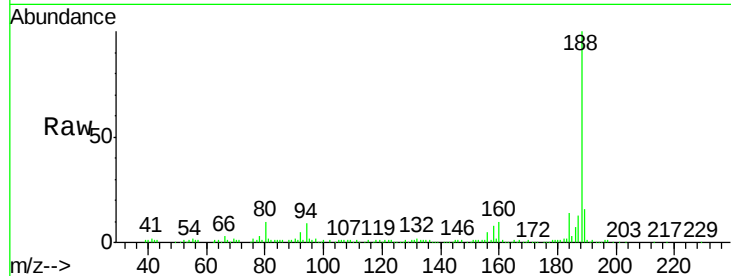




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.43 min Scan# 1010
Delta R.T. -0.03 min
Lab File: BF078432.D
Acq: 11 Apr 2015 9:23

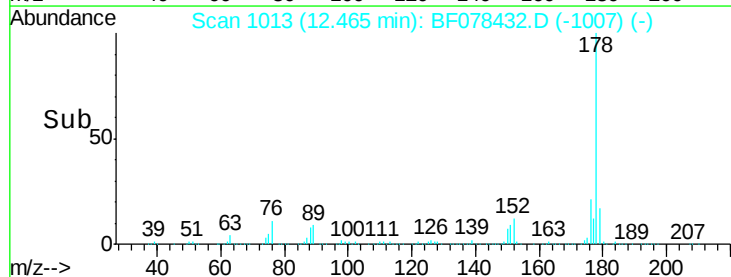
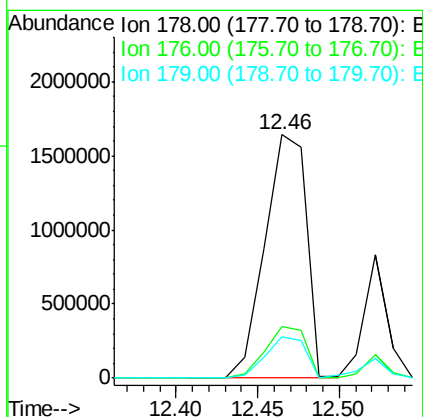
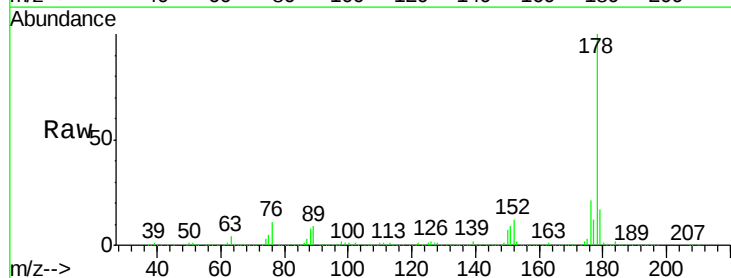
Instrument :
BNA_F
ClientSampleId :
EP-2

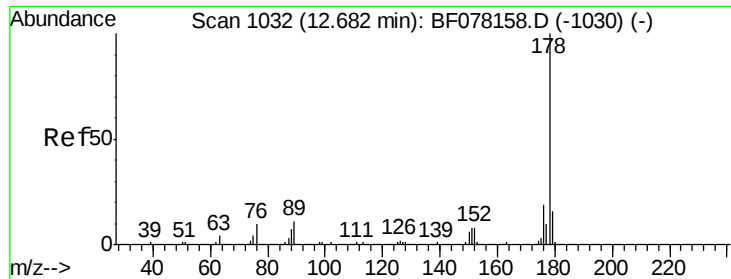
Tgt Ion:188 Resp: 174449
Ion Ratio Lower Upper
188 100
94 8.7 9.0 13.4#
80 9.6 9.5 14.3



#70
Phenanthrene
Concen: 287.85 ng
RT: 12.46 min Scan# 1013
Delta R.T. -0.03 min
Lab File: BF078432.D
Acq: 11 Apr 2015 9:23

Tgt Ion:178 Resp: 2904676
Ion Ratio Lower Upper
178 100
176 21.2 15.4 23.0
179 16.9 12.2 18.2





#71

Anthracene

Concen: 80.99 ng

RT: 12.52 min Scan# 1018

Delta R.T. -0.03 min

Lab File: BF078432.D

Acq: 11 Apr 2015 9:23

Instrument :

BNA_F

ClientSampled :

EP-2

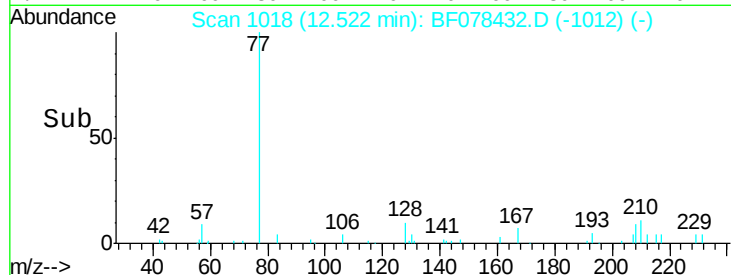
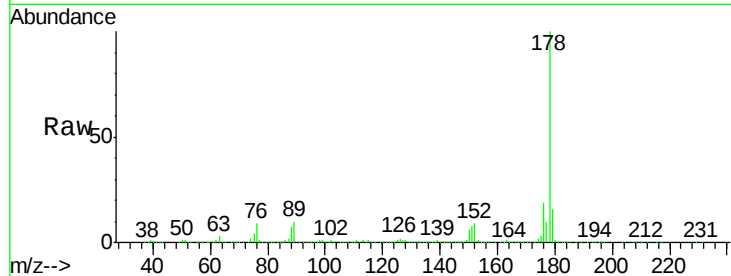
Tgt Ion:178 Resp: 805321

Ion Ratio Lower Upper

178 100

176 19.4 14.8 22.2

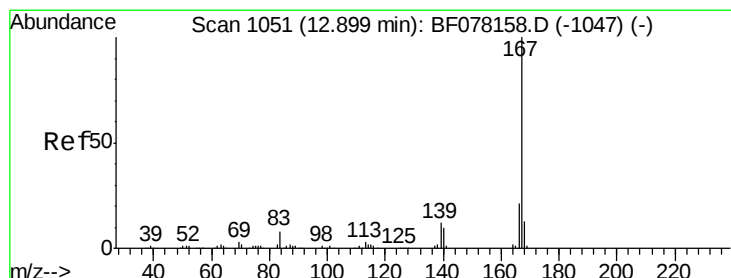
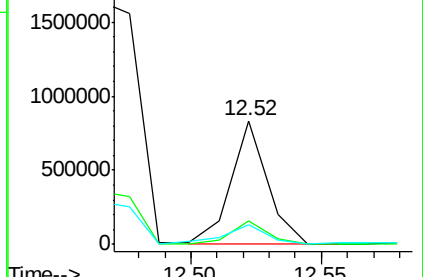
179 16.3 12.4 18.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 17.21 ng

RT: 12.73 min Scan# 1036

Delta R.T. -0.05 min

Lab File: BF078432.D

Acq: 11 Apr 2015 9:23

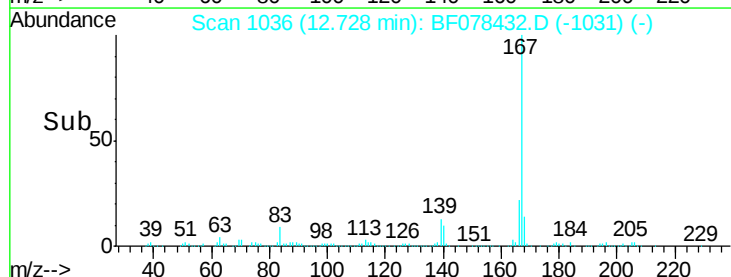
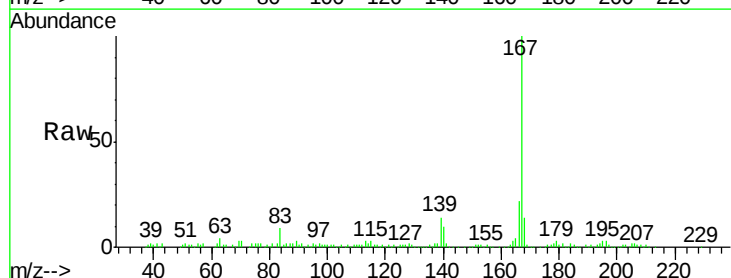
Tgt Ion:167 Resp: 160335

Ion Ratio Lower Upper

167 100

166 22.2 16.8 25.2

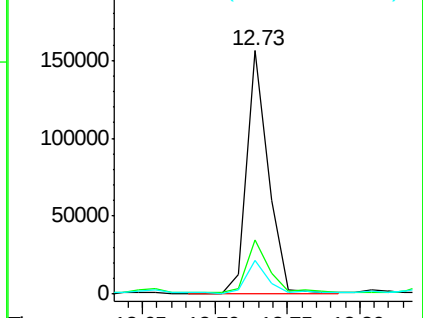
139 13.8 10.0 15.0

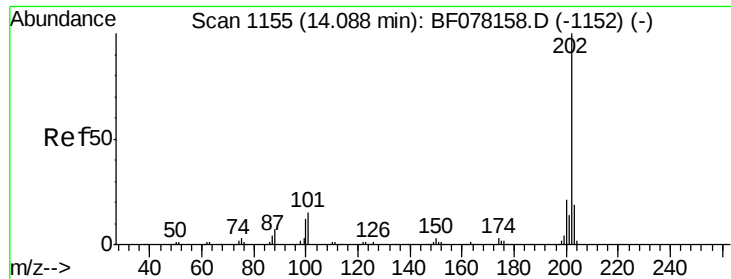


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 290.72 ng

RT: 13.94 min Scan# 1142

Delta R.T. -0.02 min

Lab File: BF078432.D

Acq: 11 Apr 2015 9:23

Instrument :

BNA_F

ClientSampleId :

EP-2

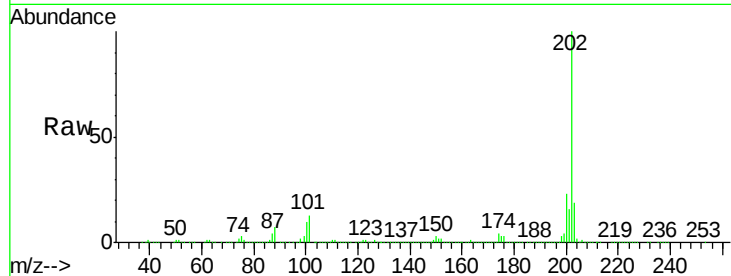
Tgt Ion:202 Resp: 3093773

Ion Ratio Lower Upper

202 100

101 12.9 0.0 35.2

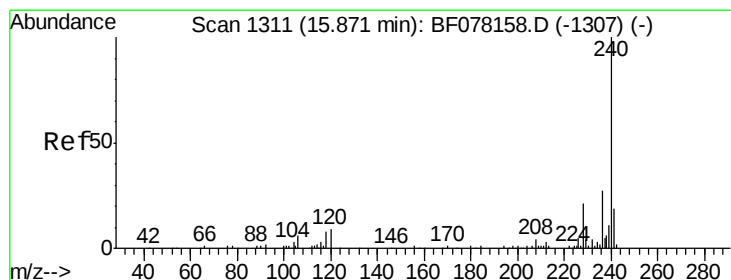
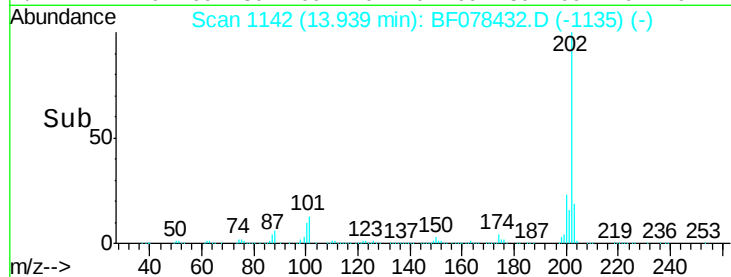
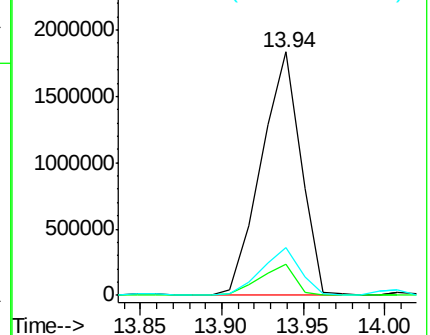
203 19.4 0.0 38.5



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: 15.70 min Scan# 1296

Delta R.T. -0.05 min

Lab File: BF078432.D

Acq: 11 Apr 2015 9:23

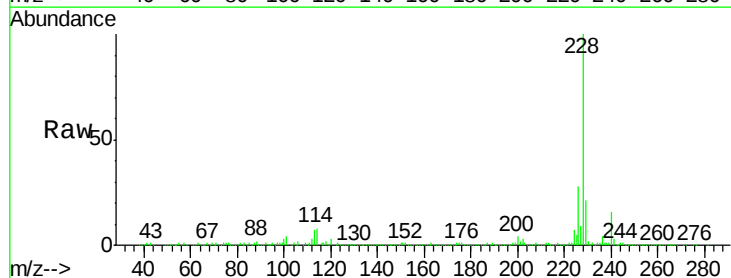
Tgt Ion:240 Resp: 162168

Ion Ratio Lower Upper

240 100

120 15.8 7.1 10.7#

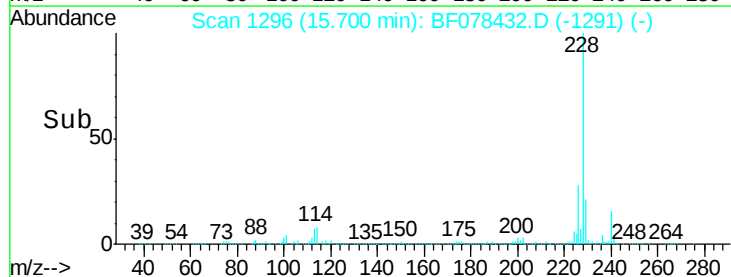
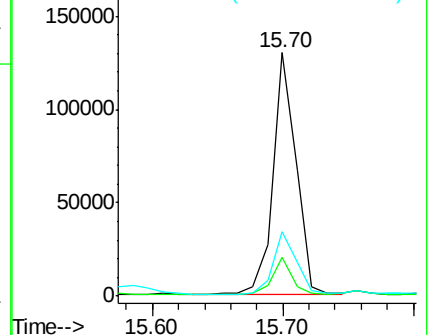
236 26.4 21.4 32.2

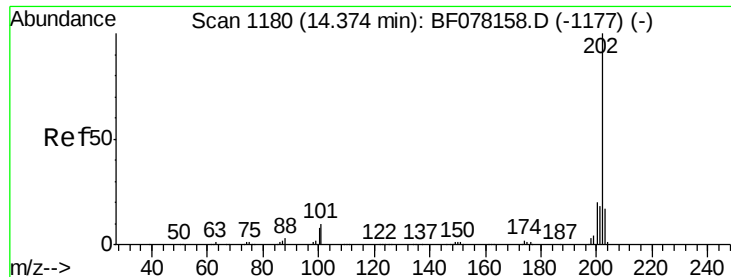


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 277.31 ng

RT: 14.21 min Scan# 1166

Delta R.T. -0.03 min

Lab File: BF078432.D

Acq: 11 Apr 2015 9:23

Instrument :

BNA_F

ClientSampleId :

EP-2

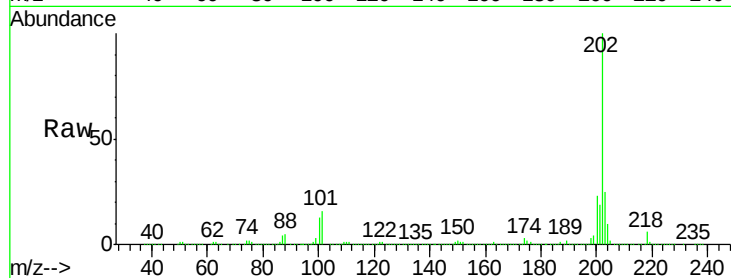
Tgt Ion:202 Resp: 2823107

Ion Ratio Lower Upper

202 100

200 23.2 16.3 24.5

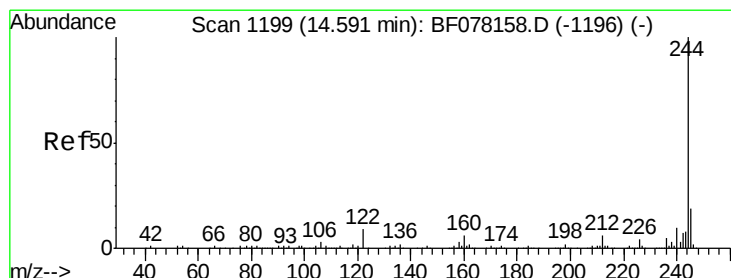
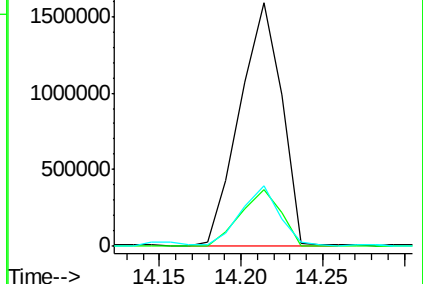
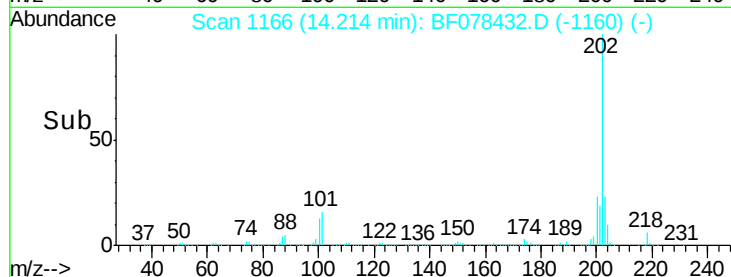
203 24.8 13.8 20.6#



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: 58.59 ng

RT: 14.42 min Scan# 1184

Delta R.T. -0.05 min

Lab File: BF078432.D

Acq: 11 Apr 2015 9:23

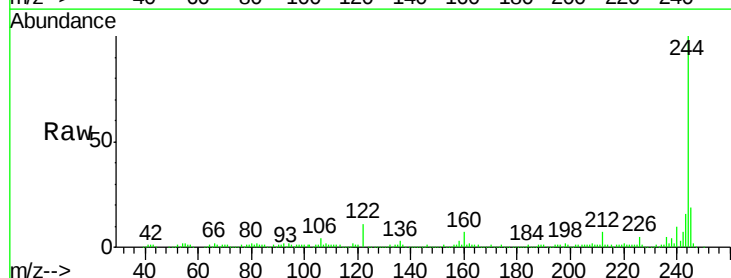
Tgt Ion:244 Resp: 420508

Ion Ratio Lower Upper

244 100

212 7.0 5.0 7.4

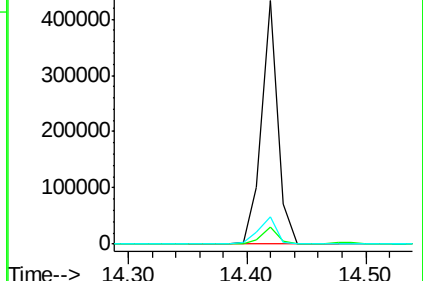
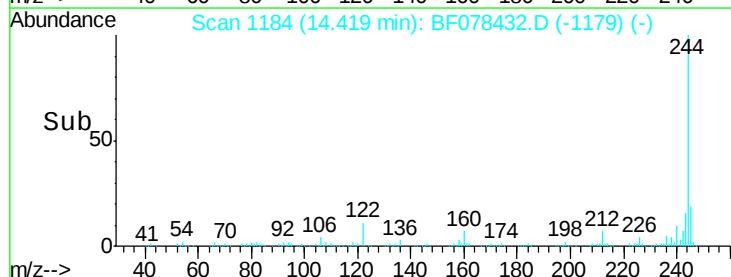
122 11.1 7.1 10.7#

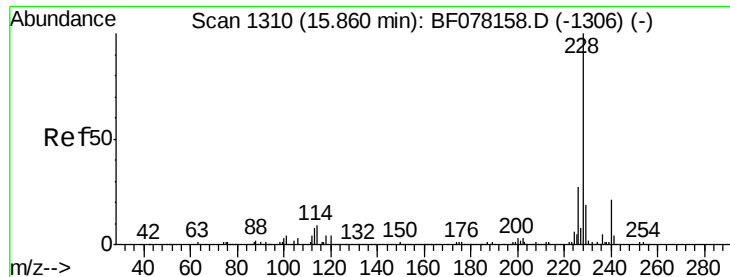


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 175.17 ng

RT: 15.69 min Scan# 1295

Delta R.T. -0.05 min

Lab File: BF078432.D

Acq: 11 Apr 2015 9:23

Instrument :

BNA_F

ClientSampleId :

EP-2

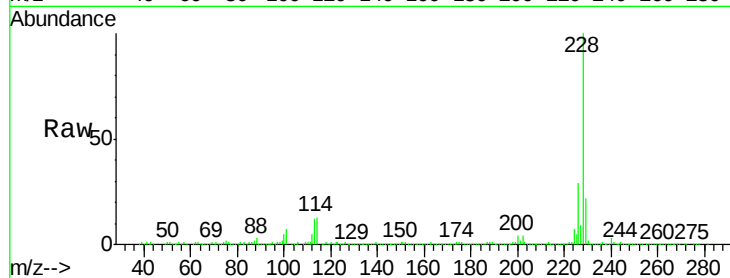
Tgt Ion:228 Resp: 1690134

Ion Ratio Lower Upper

228 100

226 29.4 21.3 31.9

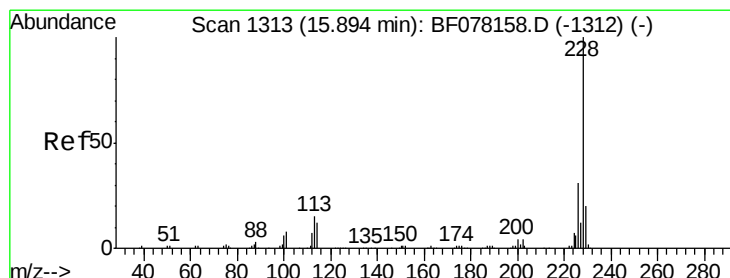
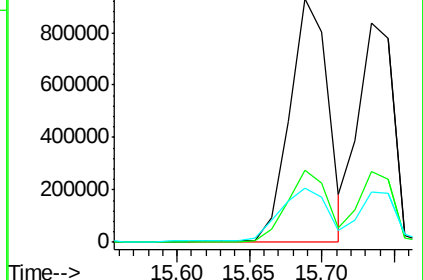
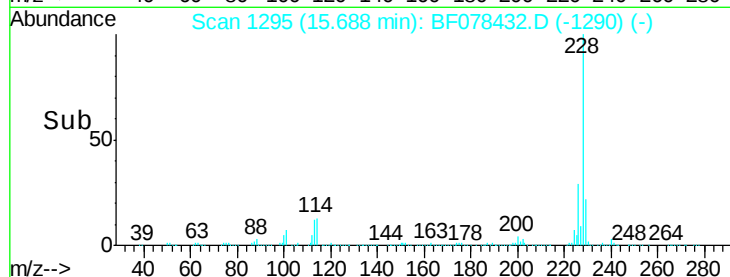
229 22.2 15.4 23.2



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: 152.26 ng

RT: 15.73 min Scan# 1299

Delta R.T. -0.03 min

Lab File: BF078432.D

Acq: 11 Apr 2015 9:23

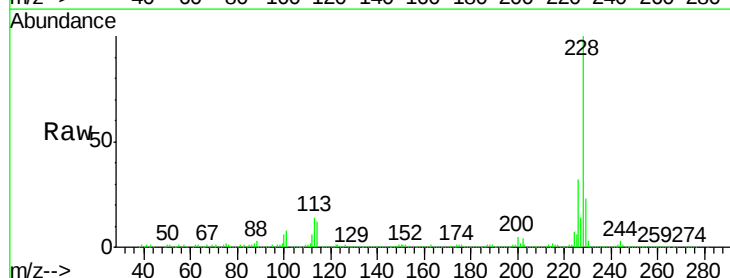
Tgt Ion:228 Resp: 1380279

Ion Ratio Lower Upper

228 100

226 32.2 24.2 36.4

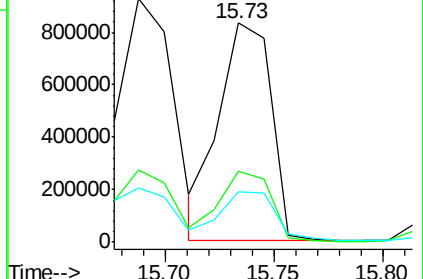
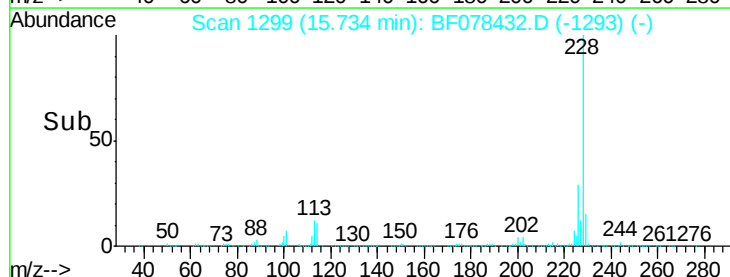
229 23.0 15.8 23.8

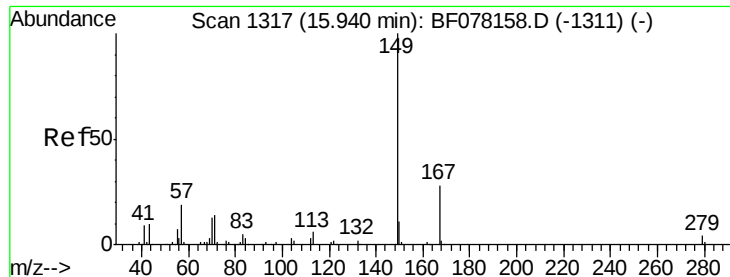


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.01 ng

RT: 15.77 min Scan# 1302

Delta R.T. -0.05 min

Lab File: BF078432.D

Acq: 11 Apr 2015 9:23

Instrument :

BNA_F

ClientSampleId :

EP-2

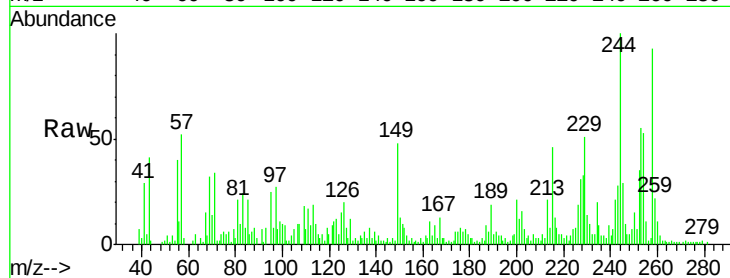
Tgt Ion:149 Resp: 18317

Ion Ratio Lower Upper

149 100

167 28.2 22.2 33.2

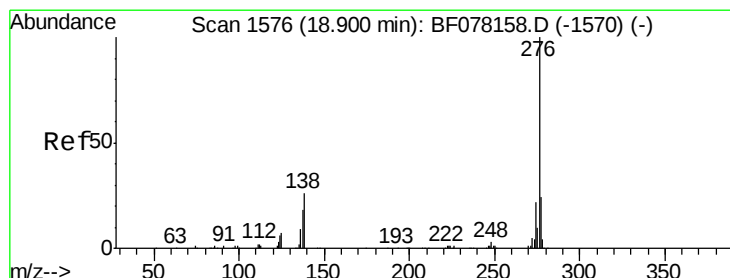
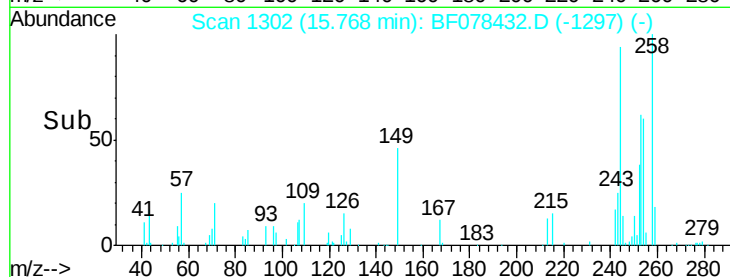
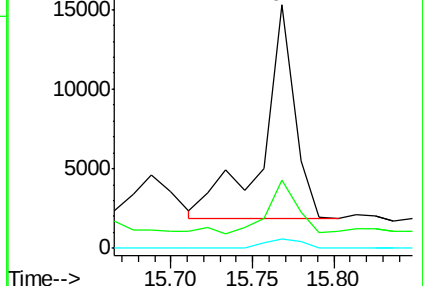
279 3.7 3.2 4.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 15.49 ng

RT: 18.49 min Scan# 1540

Delta R.T. -0.29 min

Lab File: BF078432.D

Acq: 11 Apr 2015 9:23

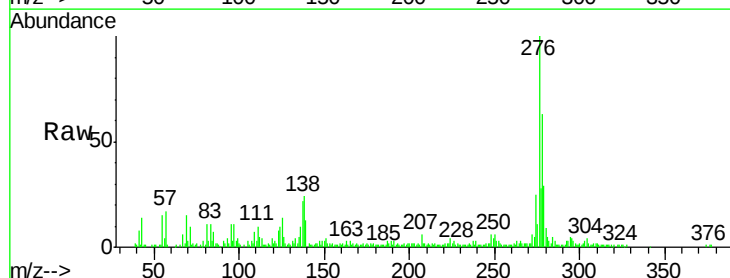
Tgt Ion:276 Resp: 159347

Ion Ratio Lower Upper

276 100

138 23.4 16.9 25.3

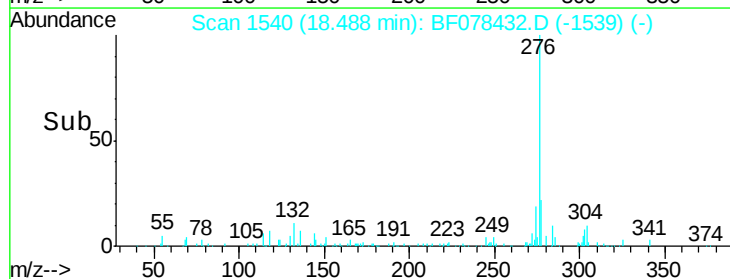
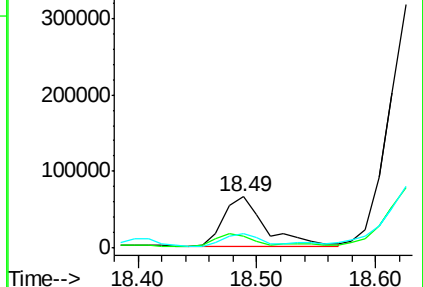
277 23.3 15.8 23.6

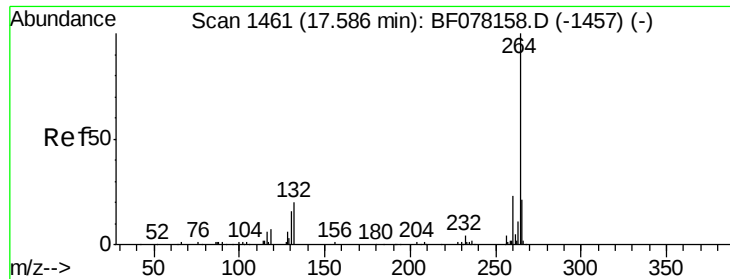


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 17.39 min Scan# 1444

Delta R.T. -0.07 min

Lab File: BF078432.D

Acq: 11 Apr 2015 9:23

Instrument :

BNA_F

ClientSampleId :

EP-2

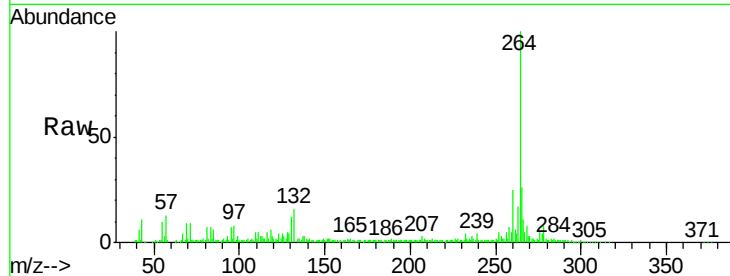
Tgt Ion:264 Resp: 181854

Ion Ratio Lower Upper

264 100

260 24.5 18.6 27.8

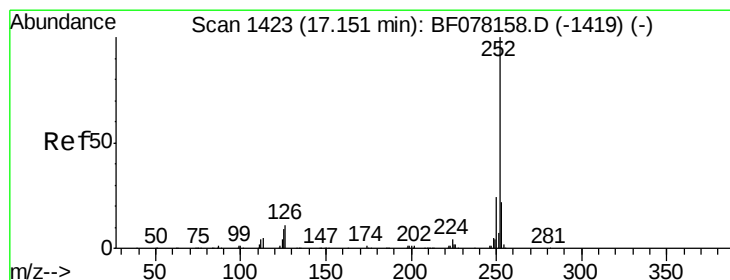
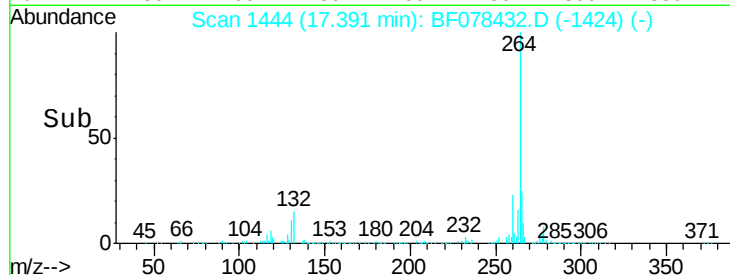
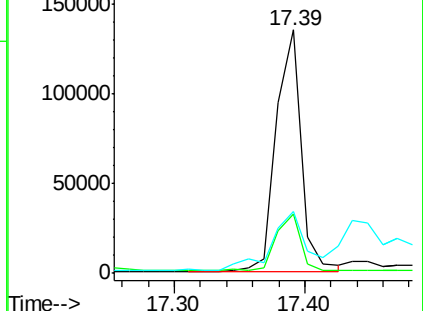
265 25.5 17.0 25.6



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: 189.73 ng

RT: 16.98 min Scan# 1408

Delta R.T. -0.05 min

Lab File: BF078432.D

Acq: 11 Apr 2015 9:23

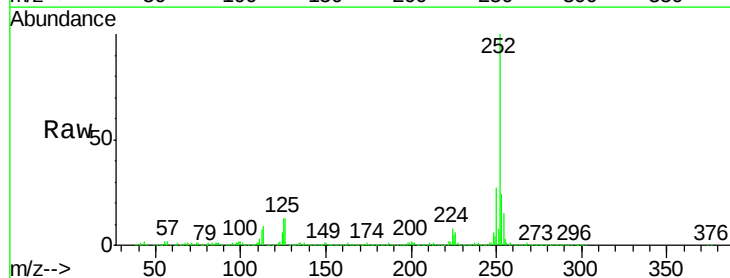
Tgt Ion:252 Resp: 2132422

Ion Ratio Lower Upper

252 100

253 23.7 17.2 25.8

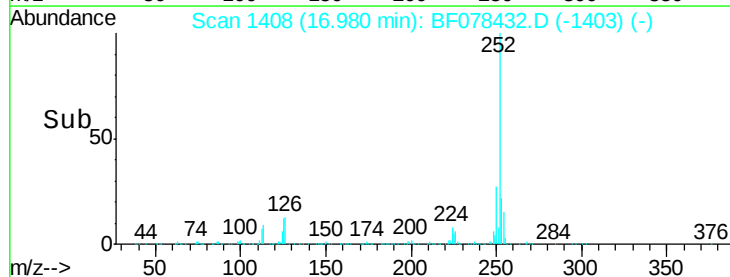
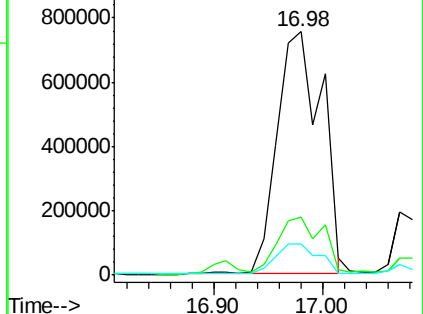
125 12.7 7.0 10.4#

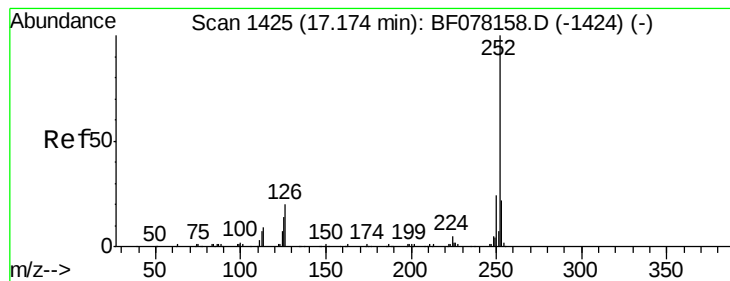


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 215.08 ng

RT: 16.98 min Scan# 1408

Delta R.T. -0.07 min

Lab File: BF078432.D

Acq: 11 Apr 2015 9:23

Instrument :

BNA_F

ClientSampleId :

EP-2

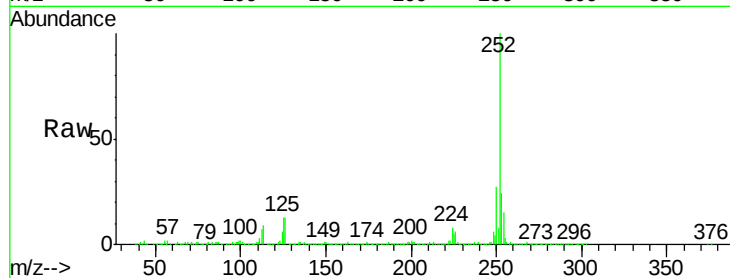
Tgt Ion:252 Resp: 2148226

Ion Ratio Lower Upper

252 100

253 23.7 17.5 26.3

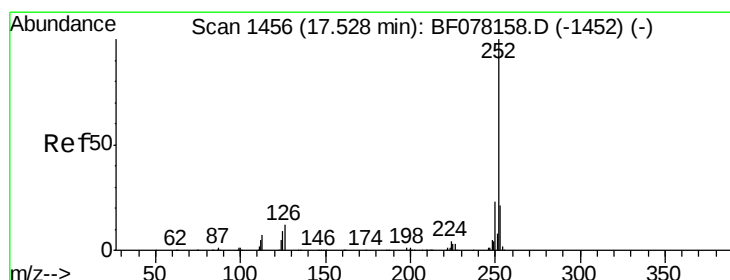
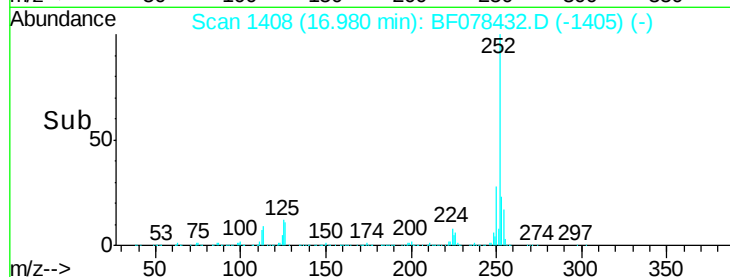
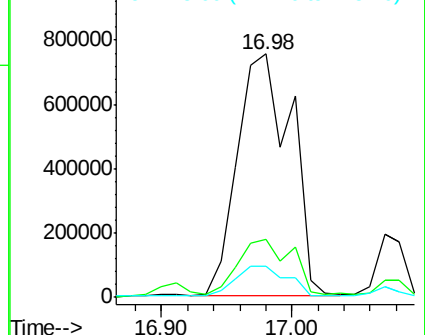
125 12.7 11.6 17.4



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



#89

Benzo(a)pyrene

Concen: 115.81 ng

RT: 17.33 min Scan# 1439

Delta R.T. -0.07 min

Lab File: BF078432.D

Acq: 11 Apr 2015 9:23

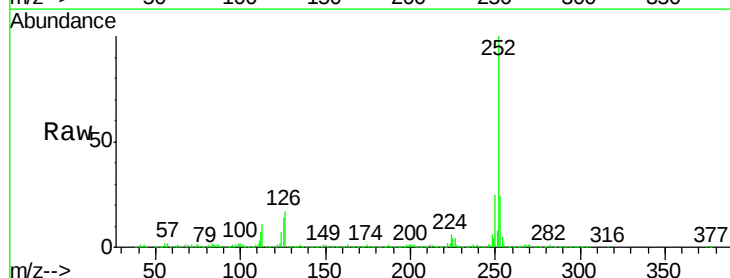
Tgt Ion:252 Resp: 1135956

Ion Ratio Lower Upper

252 100

253 24.5 16.8 25.2

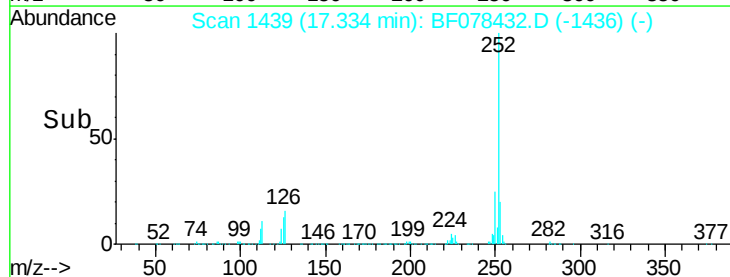
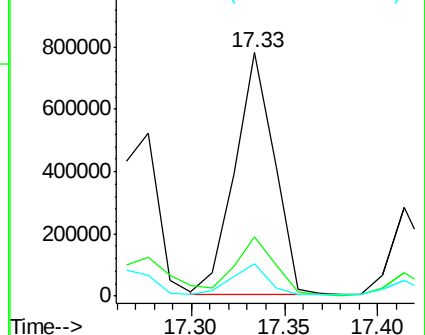
125 13.5 7.4 11.0#

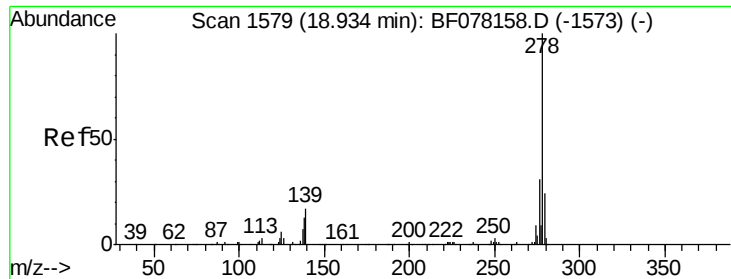


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 16.48 ng

RT: 18.77 min Scan# 1565

Delta R.T. -0.03 min

Lab File: BF078432.D

Acq: 11 Apr 2015 9:23

Instrument :

BNA_F

ClientSampleId :

EP-2

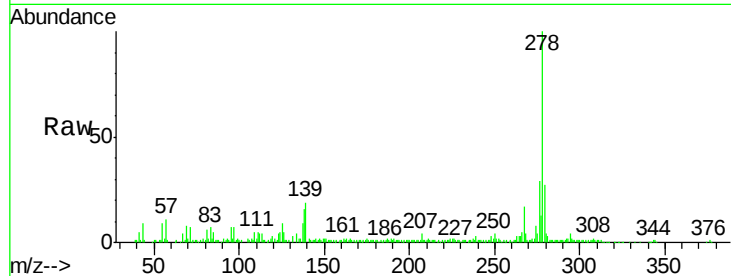
Tgt Ion:278 Resp: 161868

Ion Ratio Lower Upper

278 100

139 19.0 13.6 20.4

279 27.1 19.0 28.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

