

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040815\
 Data File : BF078350.D
 Acq On : 8 Apr 2015 22:56
 Operator : TP/IZ
 Sample : G1794-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OUTFALL-2

Quant Time: Apr 09 11:51:37 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 00:49:15 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	41031	20.00	ng	0.00
21) Naphthalene-d8	8.49	136	168404	20.00	ng	0.00
38) Acenaphthene-d10	10.65	164	79144	20.00	ng	0.00
63) Phenanthrene-d10	12.48	188	152090	20.00	ng	0.00
75) Chrysene-d12	15.75	240	164352	20.00	ng	-0.02
86) Perylene-d12	17.45	264	159528	20.00	ng	-0.13

System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	248883	100.01	ng	0.01
7) Phenol-d6	6.52	99	324531	104.06	ng	0.01
23) Nitrobenzene-d5	7.61	82	181802	65.44	ng	0.00
41) 2,4,6-Tribromophenol	11.63	330	72424	110.34	ng	0.00
44) 2-Fluorobiphenyl	9.84	172	332333	60.02	ng	0.00
78) Terphenyl-d14	14.48	244	327124	44.98	ng	0.00

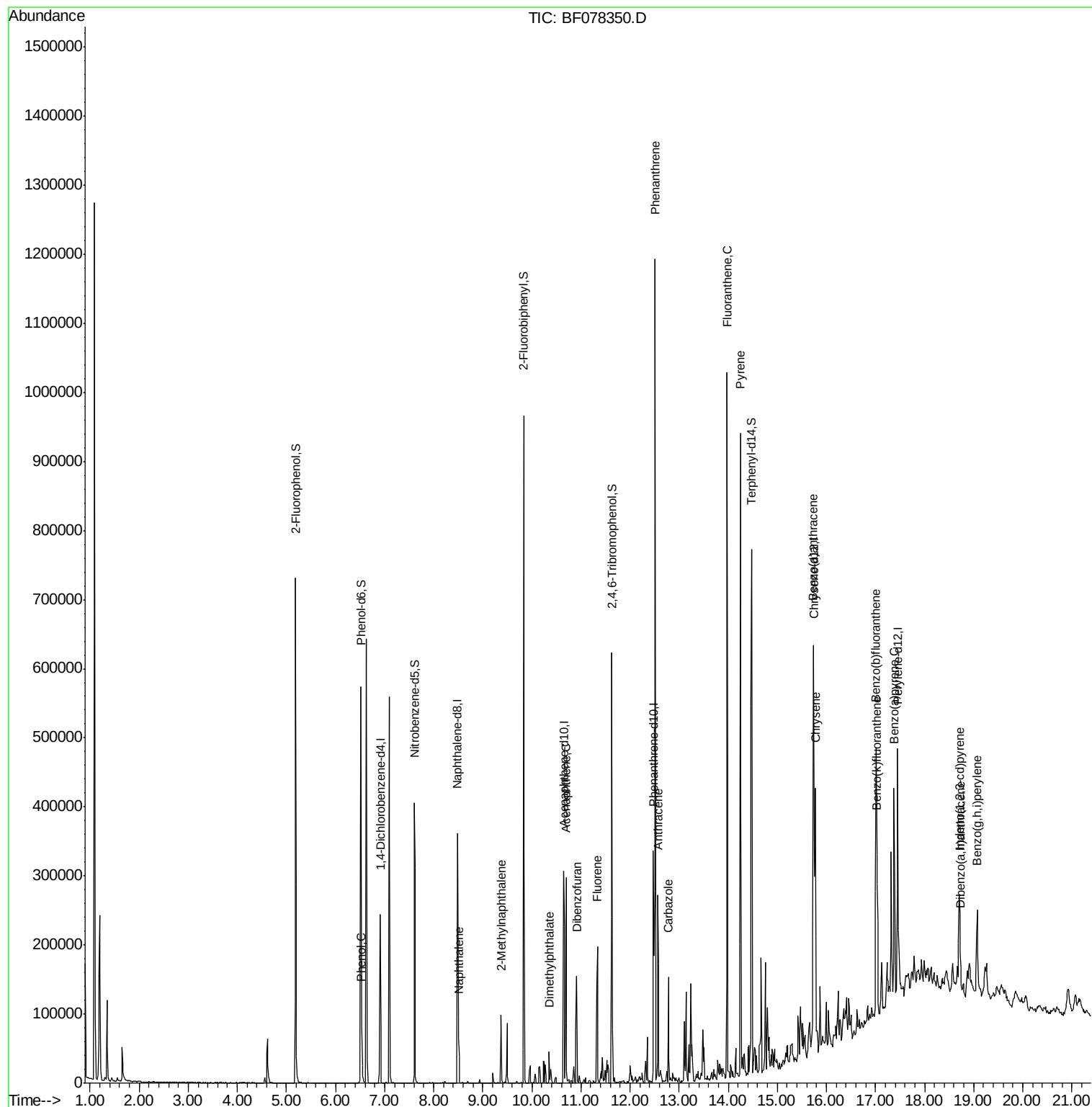
Target Compounds				Qvalue		
10) Phenol	6.53	94	10260	2.75	ng	88
31) Naphthalene	8.51	128	37659	4.30	ng	99
37) 2-Methylnaphthalene	9.38	142	37749	6.34	ng	96
49) Dimethylphthalate	10.35	163	18476	3.11	ng	99
51) Acenaphthene	10.69	154	69838	15.08	ng	98
54) Dibenzofuran	10.91	168	75704	10.70	ng	92
57) Fluorene	11.33	166	75457	13.16	ng	99
70) Phenanthrene	12.51	178	472424	53.70	ng	99
71) Anthracene	12.57	178	140896	16.25	ng	99
72) Carbazole	12.78	167	62690	7.72	ng	99
74) Fluoranthene	13.97	202	493868	53.23	ng	98
77) Pyrene	14.25	202	396013	38.38	ng	# 90
80) Benzo(a)anthracene	15.73	228	227174	23.23	ng	99
82) Chrysene	15.78	228	176820	19.25	ng	97
85) Indeno(1,2,3-cd)pyrene	18.71	276	86946m	8.34	ng	
87) Benzo(b)fluoranthene	17.01	252	206591m	20.95	ng	
88) Benzo(k)fluoranthene	17.03	252	94076m	10.74	ng	
89) Benzo(a)pyrene	17.38	252	151850	17.65	ng	# 94
90) Dibenzo(a,h)anthracene	18.73	278	19974m	2.32	ng	
91) Benzo(a,h,i)perylene	19.07	276	76884	8.90	ng	98

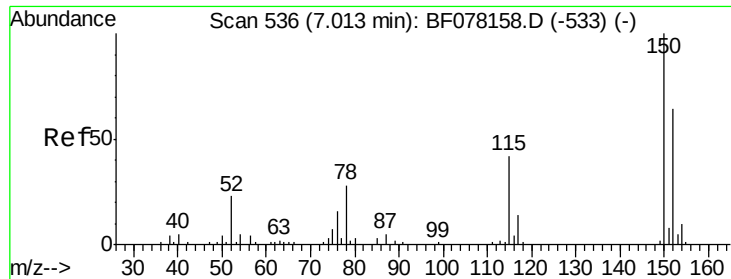
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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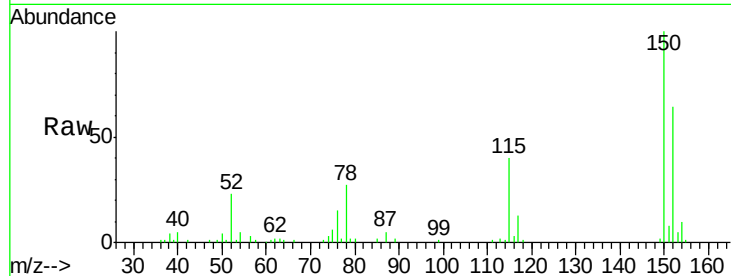


#1

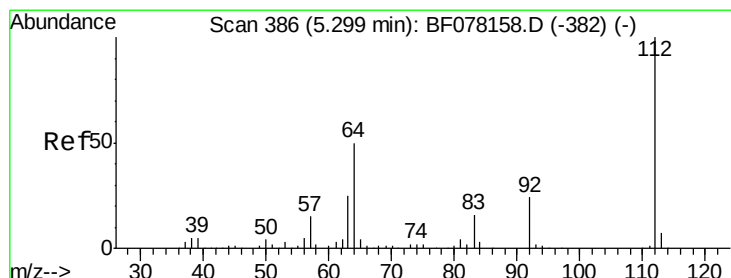
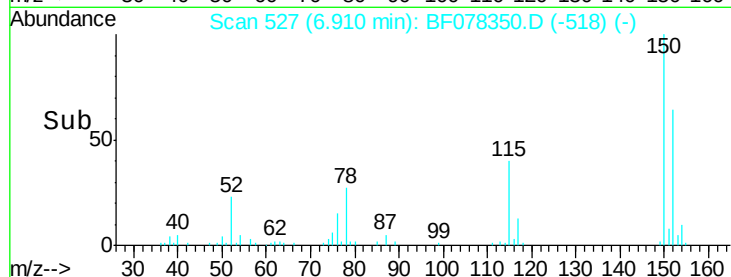
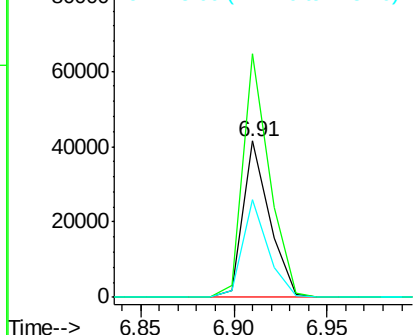
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.91 min Scan# 527
Delta R.T. -0.00 min
Lab File: BF078350.D
Acq: 8 Apr 2015 22:56

Instrument :
BNA_F
ClientSampleId :
OUTFALL-2

Tot Ion:152 Resp: 41031
Ion Ratio Lower Upper
152 100
150 155.6 125.9 188.9
115 62.6 52.7 79.1



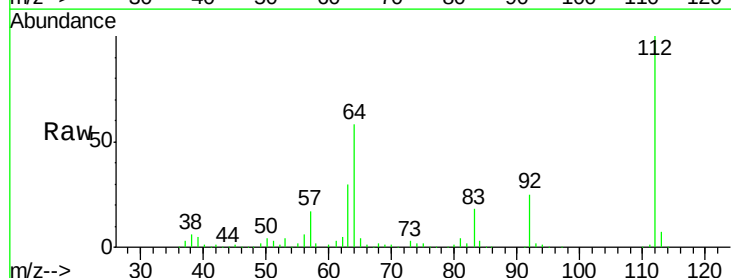
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



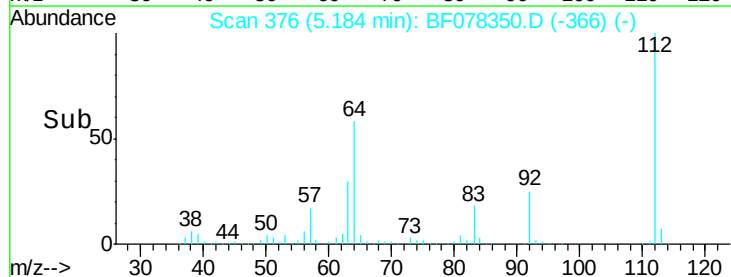
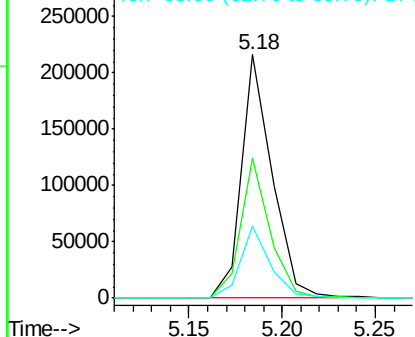
#5

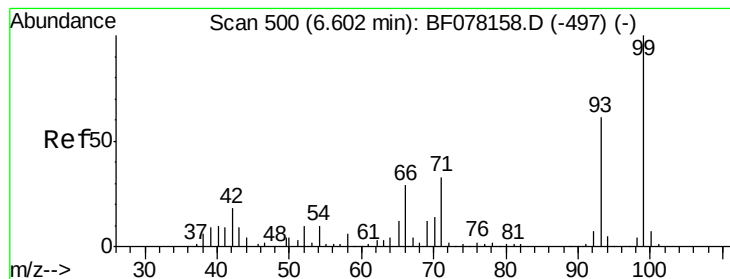
2-Fluorophenol
Concen: 100.01 ng
RT: 5.18 min Scan# 376
Delta R.T. 0.01 min
Lab File: BF078350.D
Acq: 8 Apr 2015 22:56

Tgt Ion:112 Resp: 248883
Ion Ratio Lower Upper
112 100
64 57.5 39.9 59.9
63 29.6 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: 104.06 ng

RT: 6.52 min Scan# 493

Delta R.T. 0.01 min

Lab File: BF078350.D

Acq: 8 Apr 2015 22:56

Instrument :

BNA_F

ClientSampleId :

OUTFALL-2

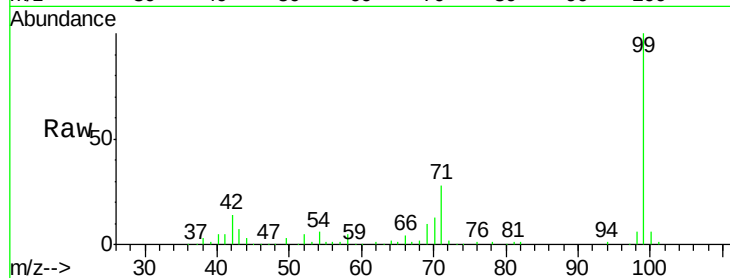
Tot Ion: 99 Resp: 324531

Ion Ratio Lower Upper

99 100

42 13.7 14.8 22.2#

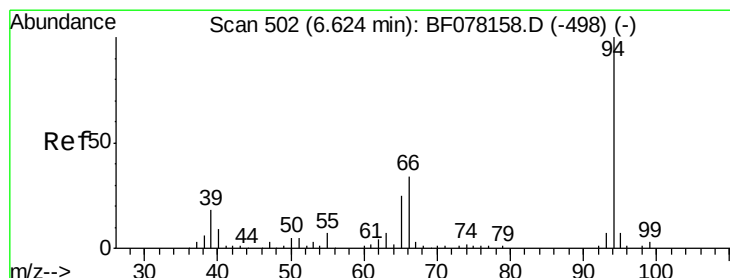
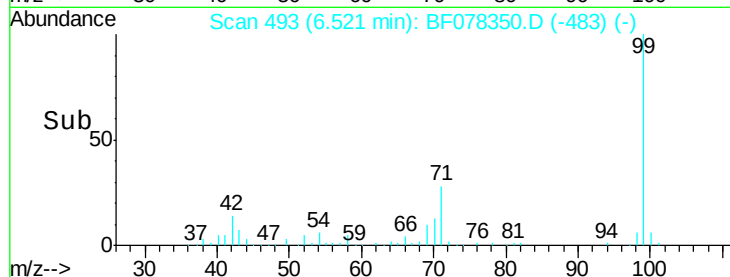
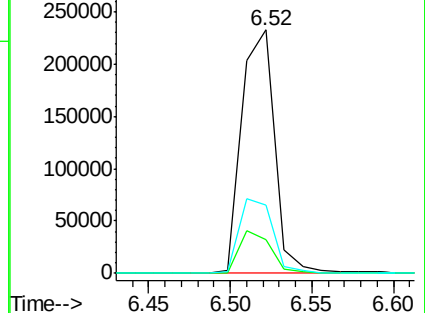
71 28.1 26.6 39.8



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



#10

Phenol

Concen: 2.75 ng

RT: 6.53 min Scan# 494

Delta R.T. 0.01 min

Lab File: BF078350.D

Acq: 8 Apr 2015 22:56

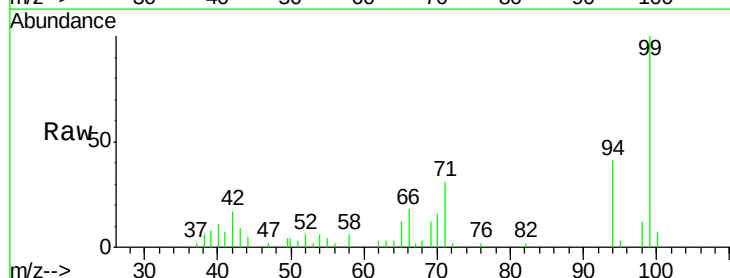
Tgt Ion: 94 Resp: 10260

Ion Ratio Lower Upper

94 100

65 28.0 4.9 44.9

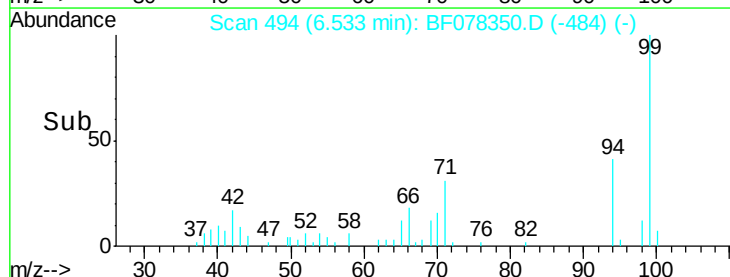
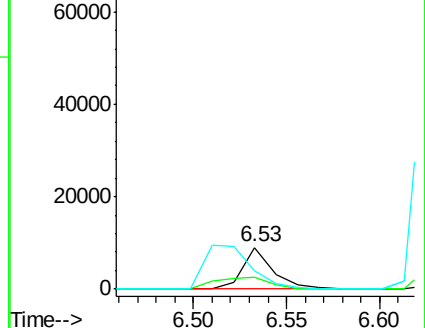
66 43.0 13.8 53.8

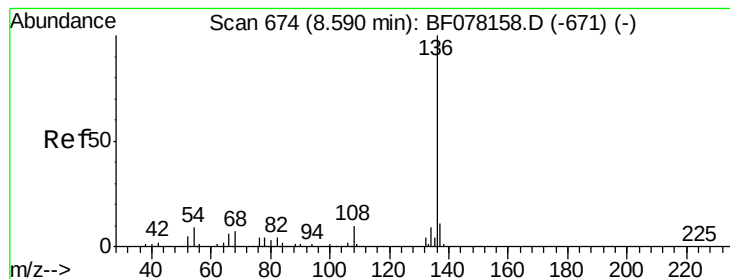


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.49 min Scan# 665

Delta R.T. -0.00 min

Lab File: BF078350.D

Acq: 8 Apr 2015 22:56

Instrument :

BNA_F

ClientSampleId :

OUTFALL-2

Tot Ion:136 Resp: 168404

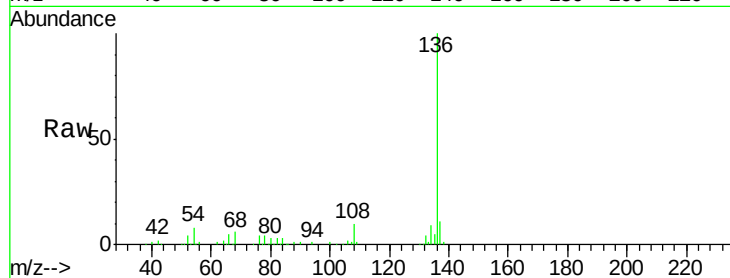
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.4

54 8.1 7.0 10.6

68 6.1 5.4 8.2

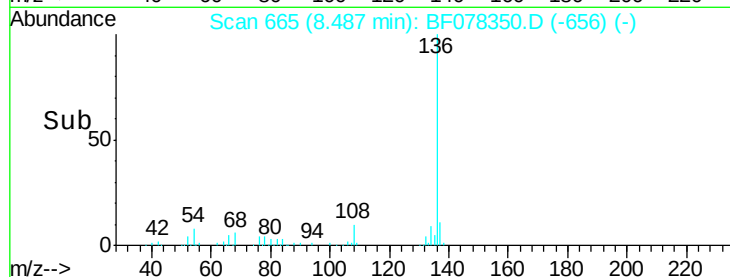


Abundance Ion 136.00 (135.70 to 136.70): E

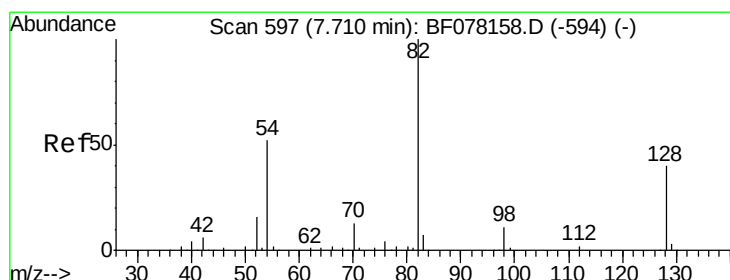
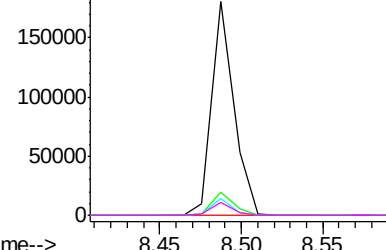
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 65.44 ng

RT: 7.61 min Scan# 588

Delta R.T. -0.00 min

Lab File: BF078350.D

Acq: 8 Apr 2015 22:56

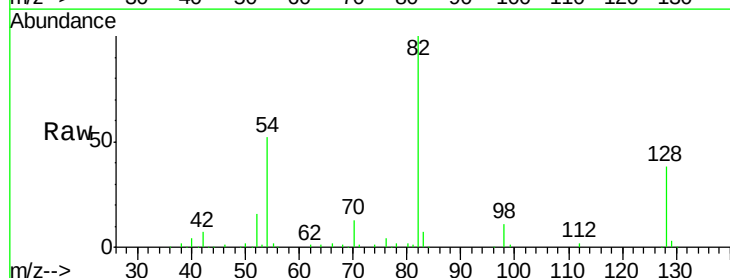
Tgt Ion: 82 Resp: 181802

Ion Ratio Lower Upper

82 100

128 37.5 31.8 47.8

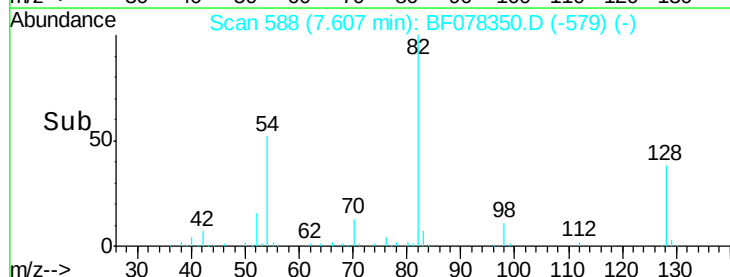
54 51.9 41.5 62.3



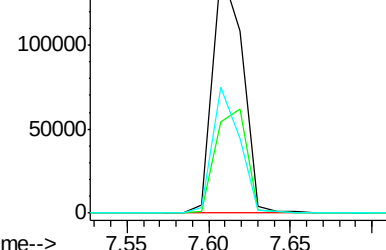
Abundance Ion 82.00 (81.70 to 82.70): BF0

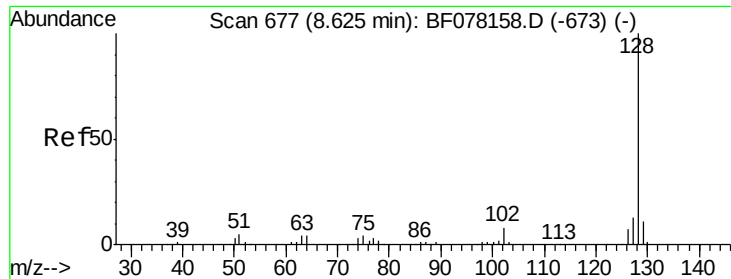
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->

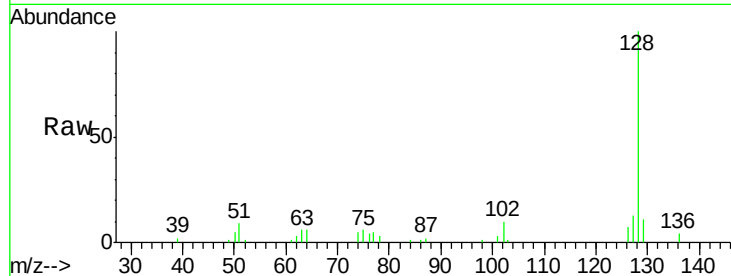




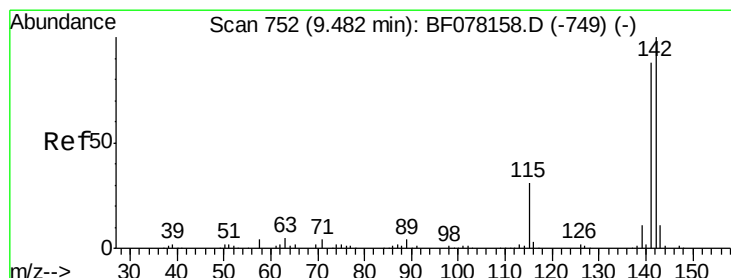
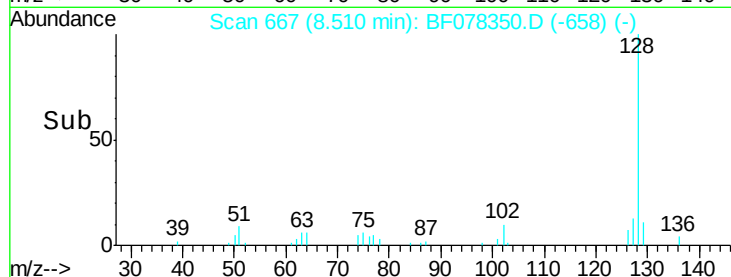
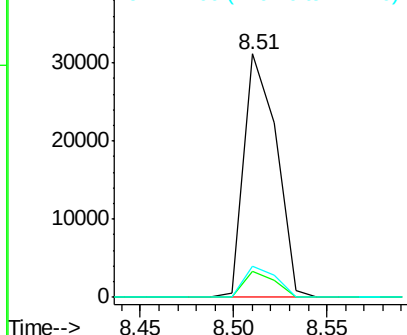
#31
Naphthalene
Concen: 4.30 ng
RT: 8.51 min Scan# 667
Delta R.T. -0.00 min
Lab File: BF078350.D
Acq: 8 Apr 2015 22:56

Instrument :
BNA_F
ClientSampleId :
OUTFALL-2

Tot Ion:128 Resp: 37659
Ion Ratio Lower Upper
128 100
129 10.7 8.6 12.8
127 12.6 10.7 16.1

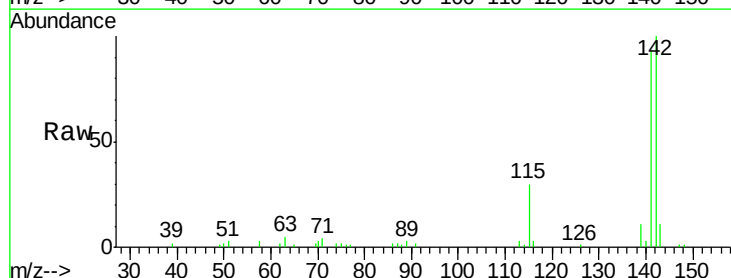


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

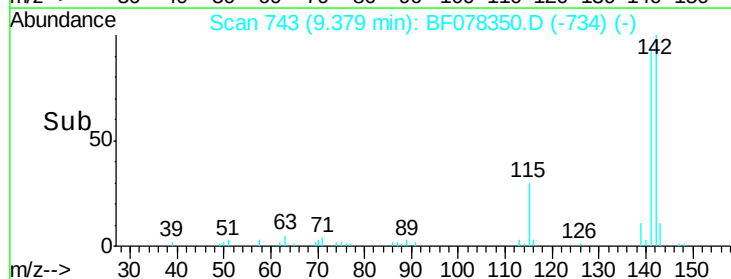
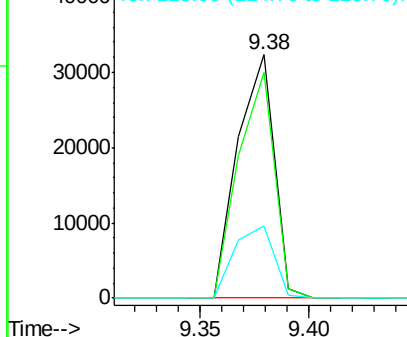


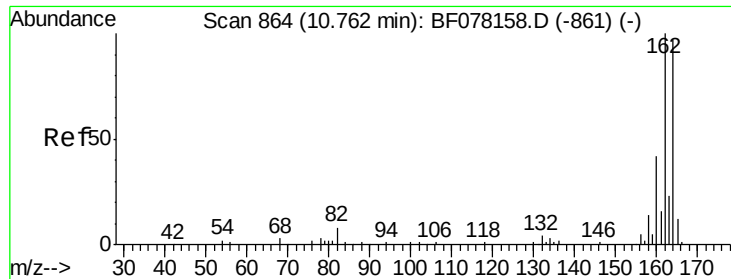
#37
2-Methylnaphthalene
Concen: 6.34 ng
RT: 9.38 min Scan# 743
Delta R.T. -0.00 min
Lab File: BF078350.D
Acq: 8 Apr 2015 22:56

Tgt Ion:142 Resp: 37749
Ion Ratio Lower Upper
142 100
141 92.5 70.3 105.5
115 29.6 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

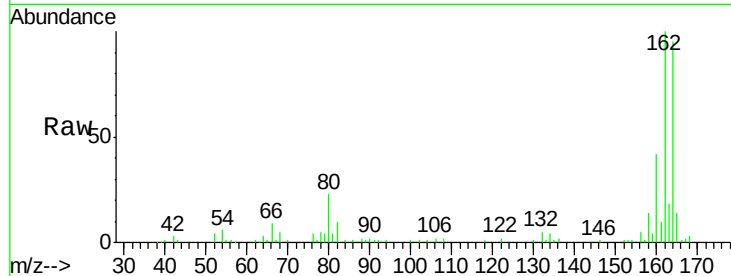




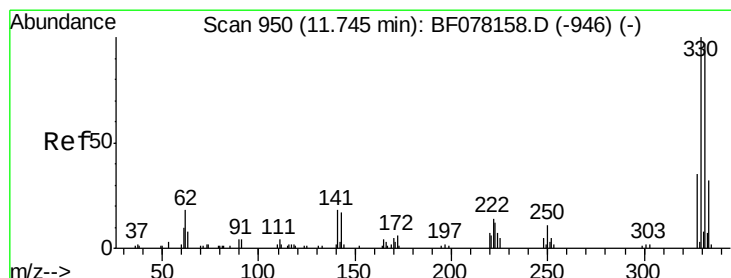
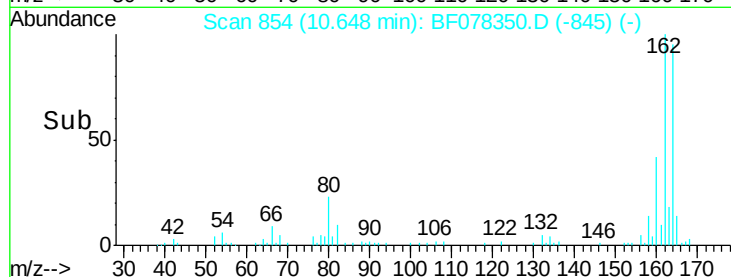
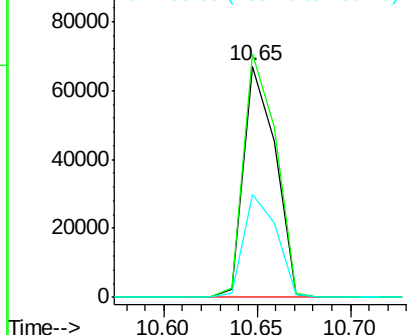
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.65 min Scan# 854
Delta R.T. -0.00 min
Lab File: BF078350.D
Acq: 8 Apr 2015 22:56

Instrument :
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ClientSampleId :
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Tot Ion:164 Resp: 79144
Ion Ratio Lower Upper
164 100
162 105.5 82.2 123.2
160 44.3 34.7 52.1

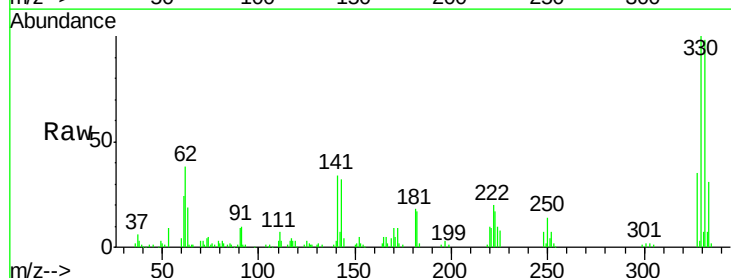


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

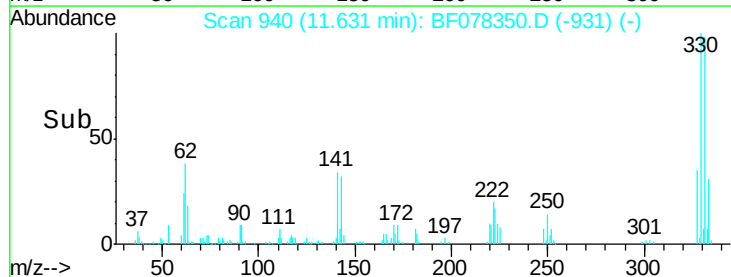
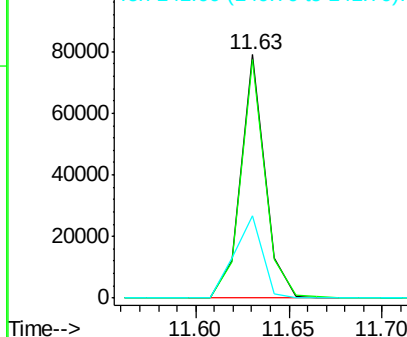


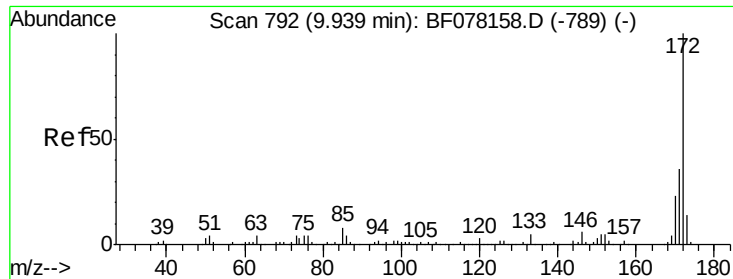
#41
2,4,6-Tribromophenol
Concen: 110.34 ng
RT: 11.63 min Scan# 940
Delta R.T. -0.00 min
Lab File: BF078350.D
Acq: 8 Apr 2015 22:56

Tgt Ion:330 Resp: 72424
Ion Ratio Lower Upper
330 100
332 97.5 78.6 117.8
141 38.9 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

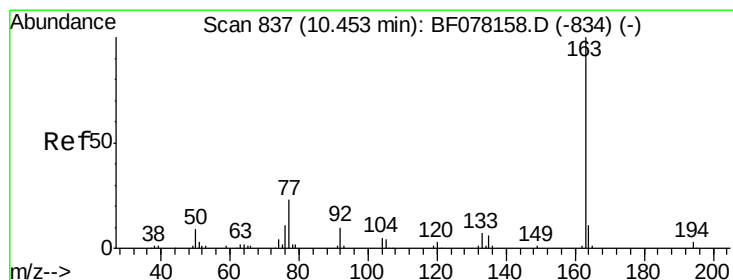
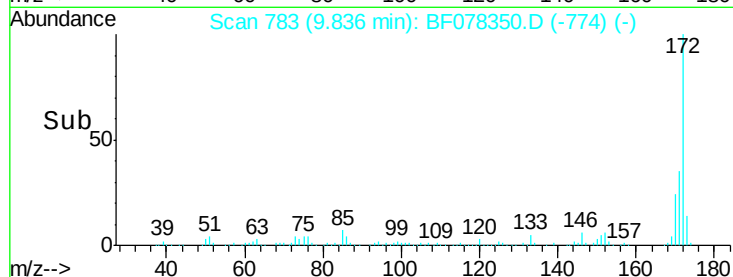
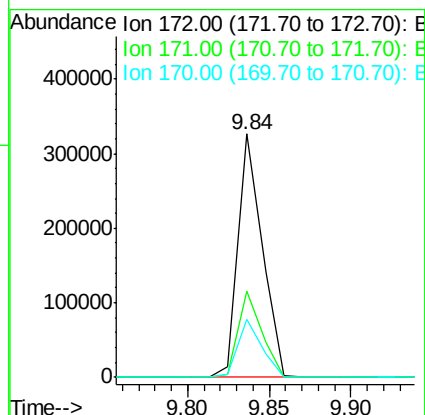
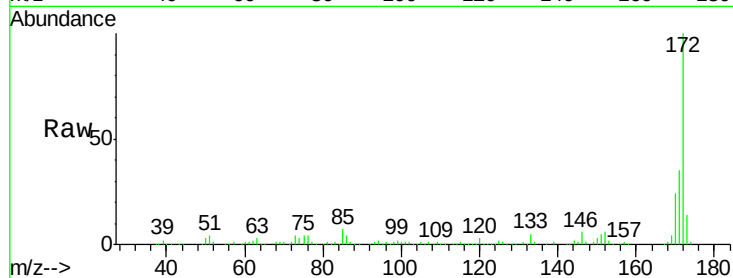




#44
2-Fluorobiphenyl
Concen: 60.02 ng
RT: 9.84 min Scan# 783
Delta R.T. -0.00 min
Lab File: BF078350.D
Acq: 8 Apr 2015 22:56

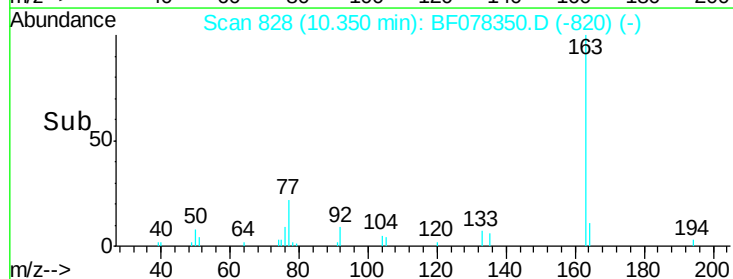
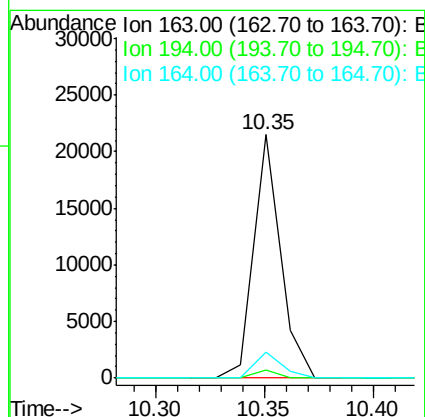
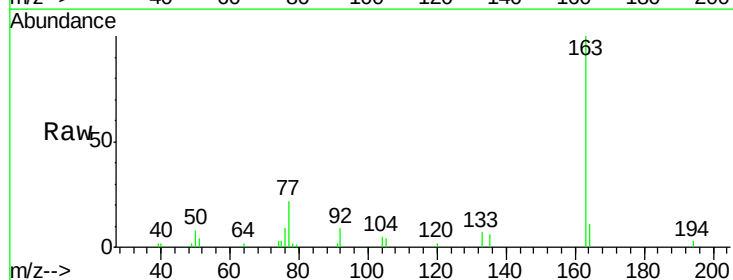
Instrument :
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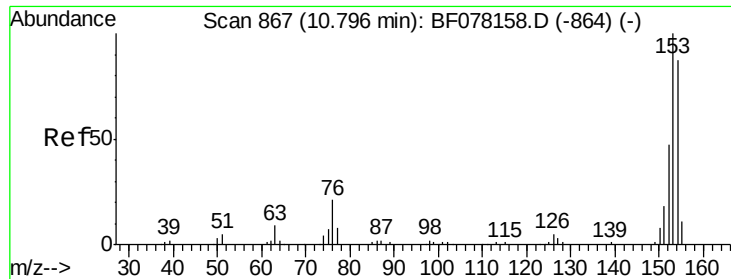
Tot Ion:172 Resp: 332333
Ion Ratio Lower Upper
172 100
171 35.3 28.6 42.8
170 23.9 18.5 27.7



#49
Dimethylphthalate
Concen: 3.11 ng
RT: 10.35 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF078350.D
Acq: 8 Apr 2015 22:56

Tgt Ion:163 Resp: 18476
Ion Ratio Lower Upper
163 100
194 3.1 2.3 3.5
164 10.5 8.6 13.0





#51

Acenaphthene

Concen: 15.08 ng

RT: 10.69 min Scan# 858

Delta R.T. -0.00 min

Lab File: BF078350.D

Acq: 8 Apr 2015 22:56

Instrument :

BNA_F

ClientSampleId :

OUTFALL-2

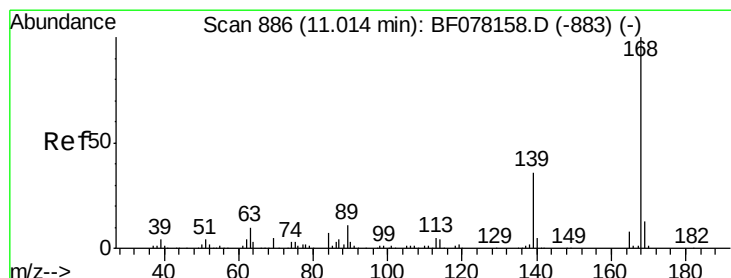
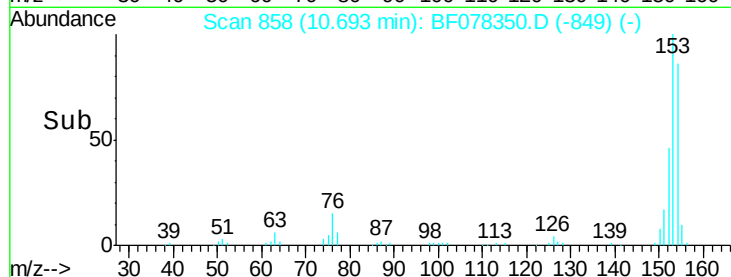
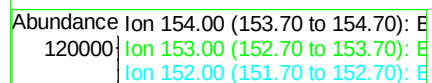
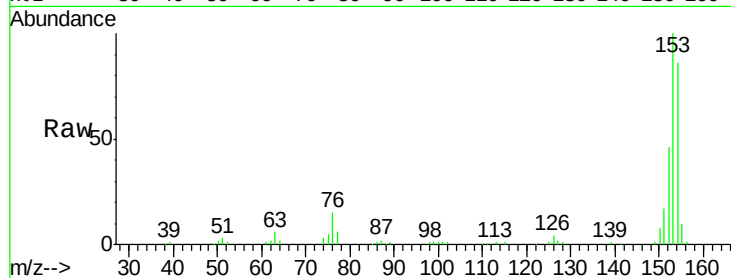
Tot Ion:154 Resp: 69838

Ion Ratio Lower Upper

154 100

153 116.8 91.4 137.2

152 53.3 43.0 64.6



#54

Dibenzofuran

Concen: 10.70 ng

RT: 10.91 min Scan# 877

Delta R.T. -0.00 min

Lab File: BF078350.D

Acq: 8 Apr 2015 22:56

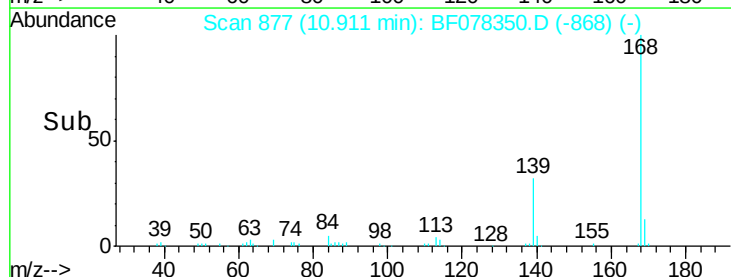
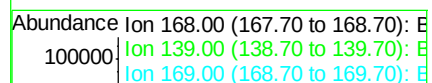
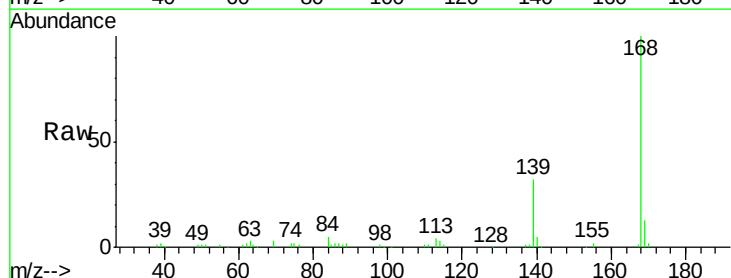
Tgt Ion:168 Resp: 75704

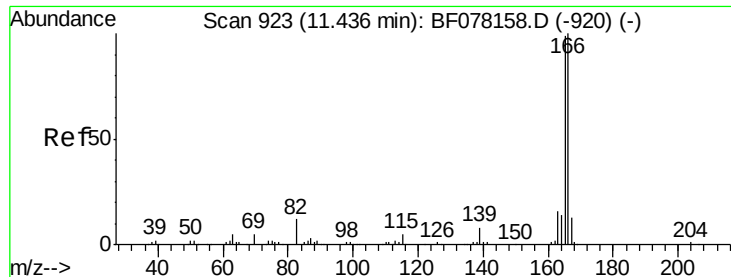
Ion Ratio Lower Upper

168 100

139 32.3 31.0 46.4

169 13.1 10.7 16.1

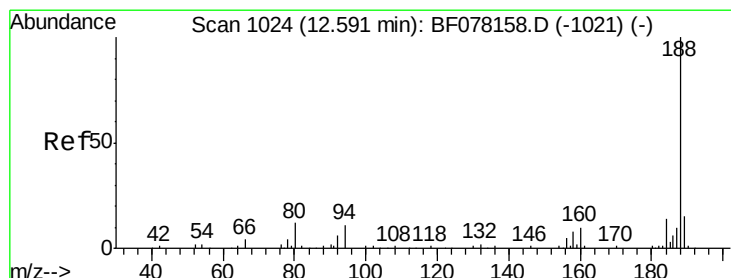
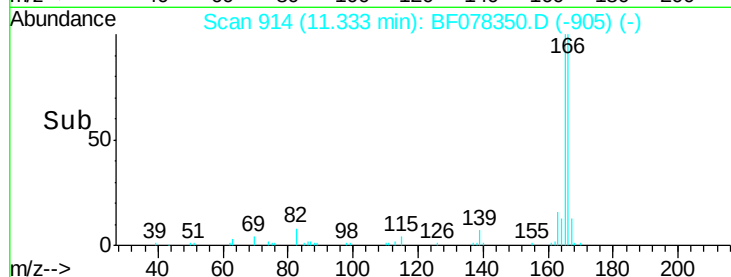
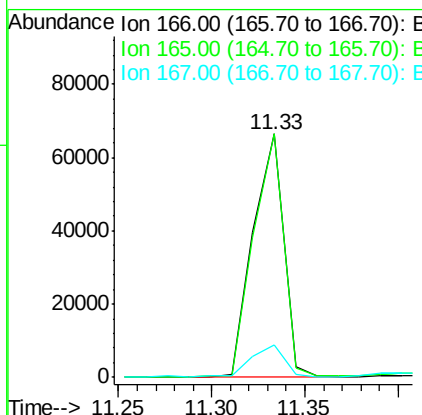
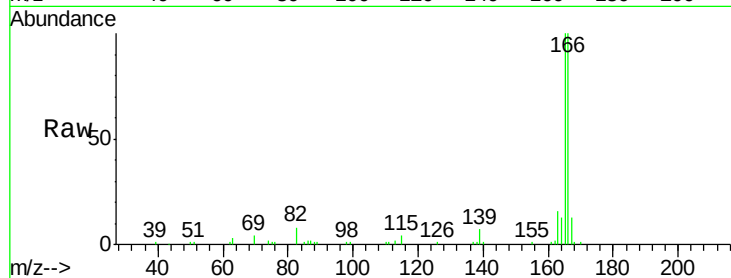




#57
Fluorene
Concen: 13.16 ng
RT: 11.33 min Scan# 914
Delta R.T. -0.00 min
Lab File: BF078350.D
Acq: 8 Apr 2015 22:56

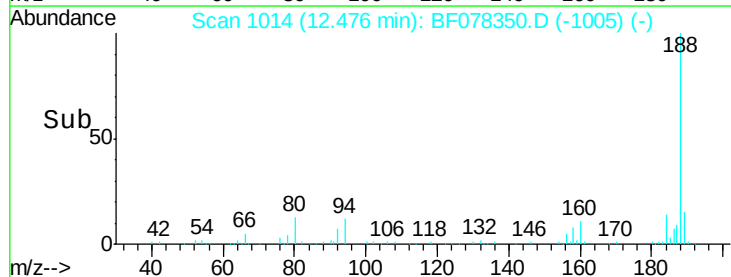
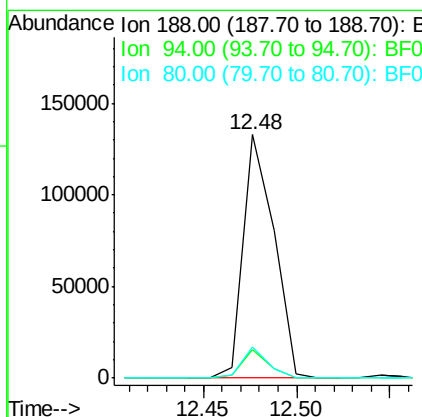
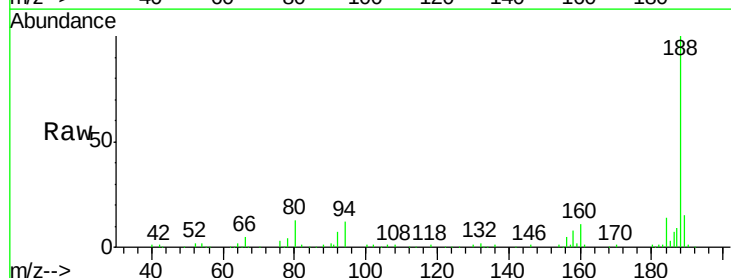
Instrument :
BNA_F
ClientSampleId :
OUTFALL-2

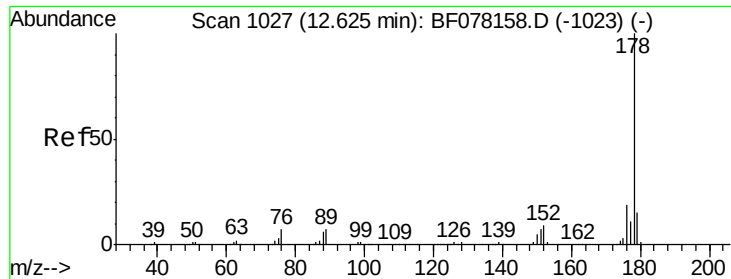
Tot Ion:166 Resp: 75457
Ion Ratio Lower Upper
166 100
165 100.1 78.9 118.3
167 13.3 10.7 16.1



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.48 min Scan# 1014
Delta R.T. -0.00 min
Lab File: BF078350.D
Acq: 8 Apr 2015 22:56

Tgt Ion:188 Resp: 152090
Ion Ratio Lower Upper
188 100
94 11.8 9.0 13.4
80 12.6 9.5 14.3

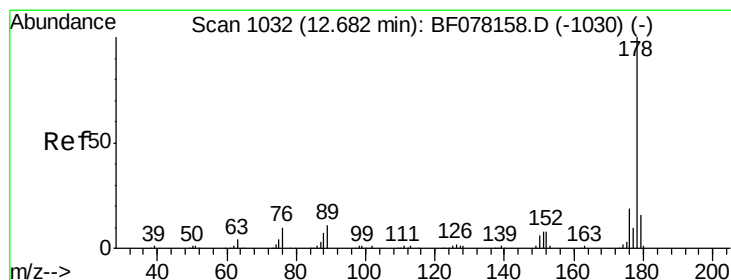
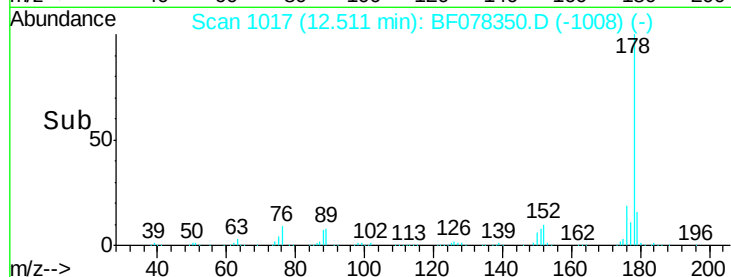
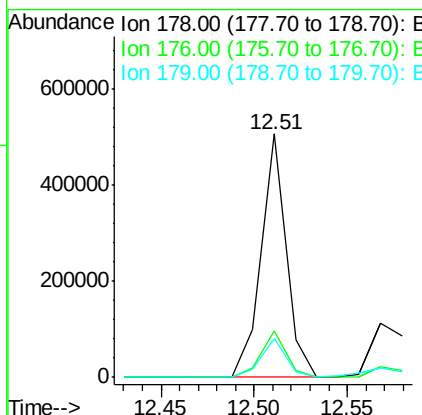
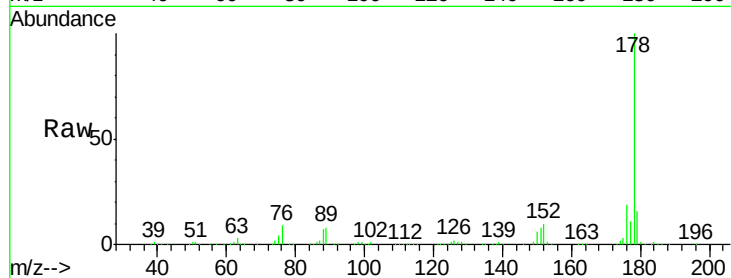




#70
Phenanthrene
Concen: 53.70 ng
RT: 12.51 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BF078350.D
Acq: 8 Apr 2015 22:56

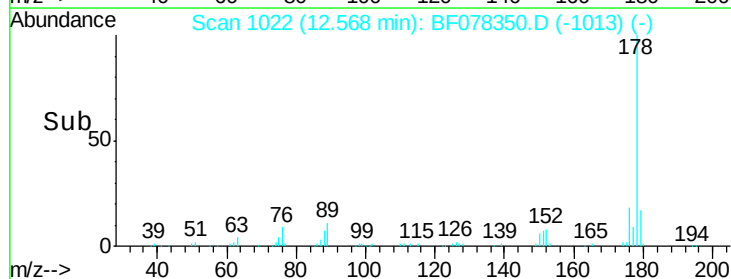
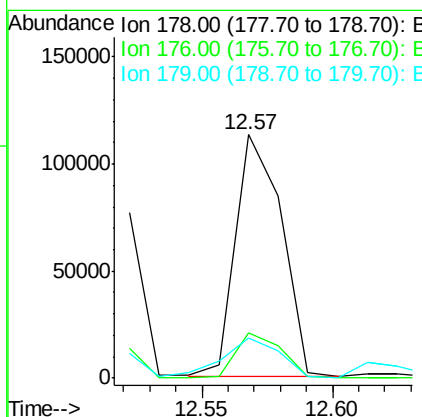
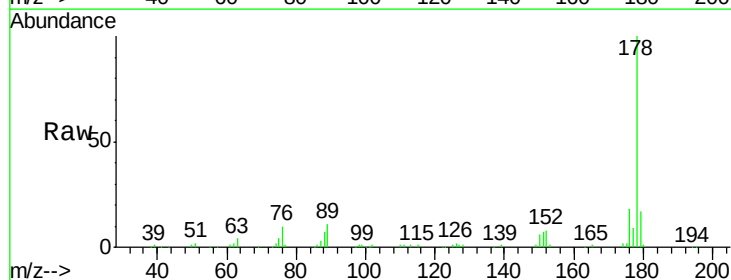
Instrument :
BNA_F
ClientSampleId :
OUTFALL-2

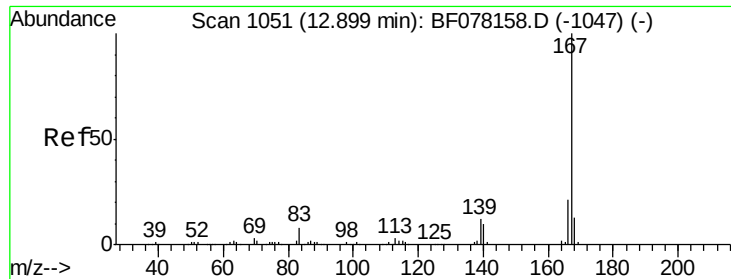
Tot Ion:178 Resp: 472424
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.7 12.2 18.2



#71
Anthracene
Concen: 16.25 ng
RT: 12.57 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BF078350.D
Acq: 8 Apr 2015 22:56

Tgt Ion:178 Resp: 140896
Ion Ratio Lower Upper
178 100
176 18.5 14.8 22.2
179 16.6 12.4 18.6





#72

Carbazole

Concen: 7.72 ng

RT: 12.78 min Scan# 1041

Delta R.T. -0.00 min

Lab File: BF078350.D

Acq: 8 Apr 2015 22:56

Instrument :

BNA_F

ClientSampleId :

OUTFALL-2

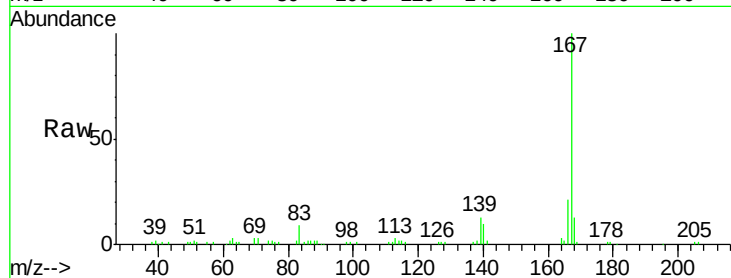
Tot Ion:167 Resp: 62690

Ion Ratio Lower Upper

167 100

166 21.3 16.8 25.2

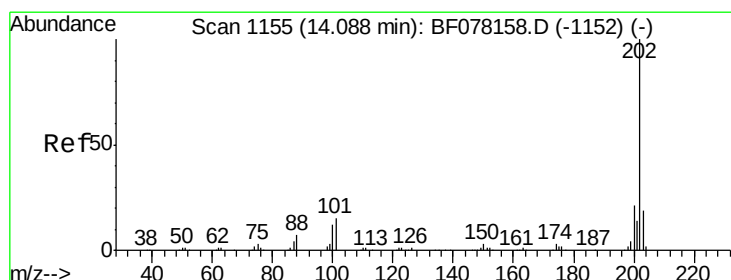
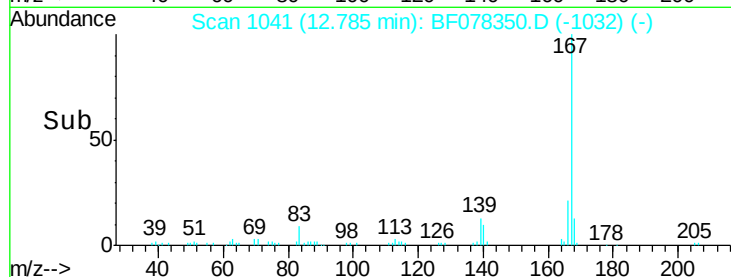
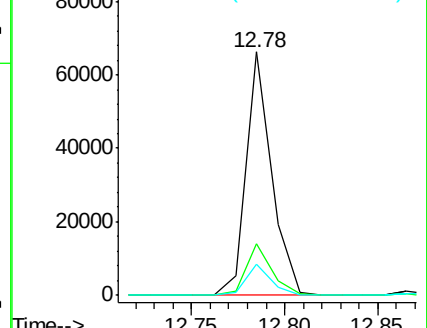
139 12.8 10.0 15.0



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: 53.23 ng

RT: 13.97 min Scan# 1145

Delta R.T. -0.00 min

Lab File: BF078350.D

Acq: 8 Apr 2015 22:56

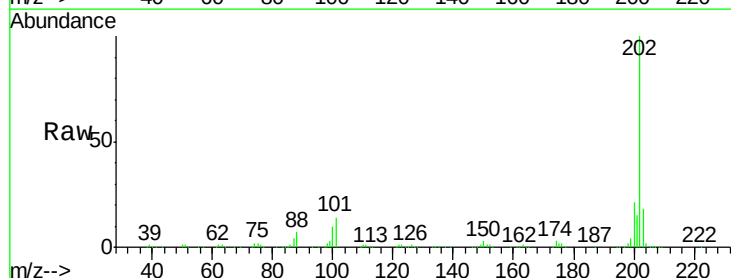
Tgt Ion:202 Resp: 493868

Ion Ratio Lower Upper

202 100

101 13.8 0.0 35.2

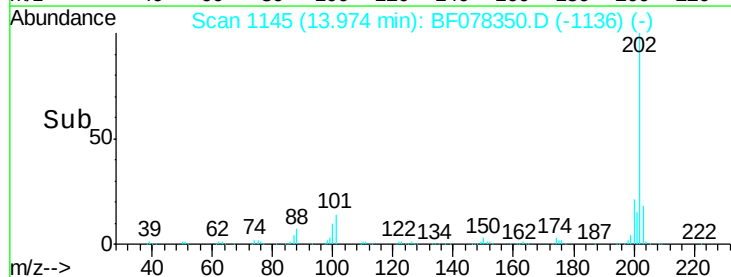
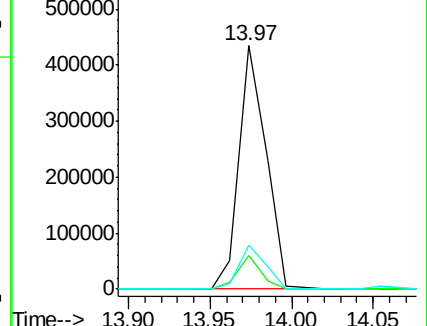
203 18.1 0.0 38.5

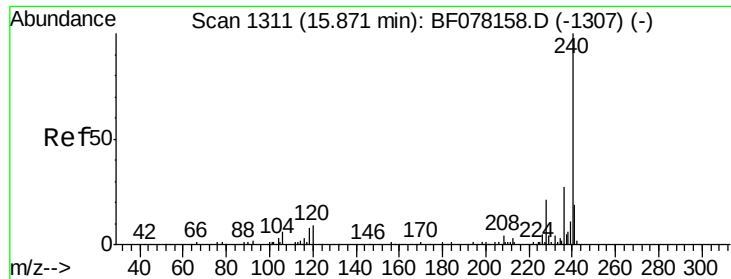


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

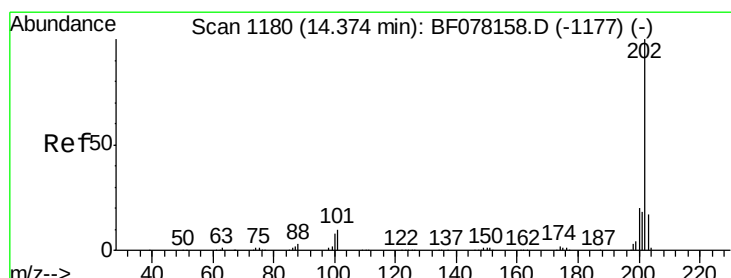
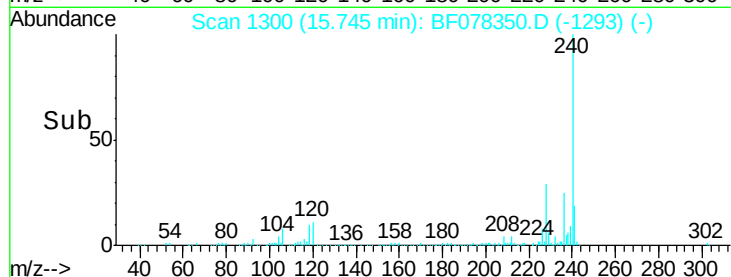
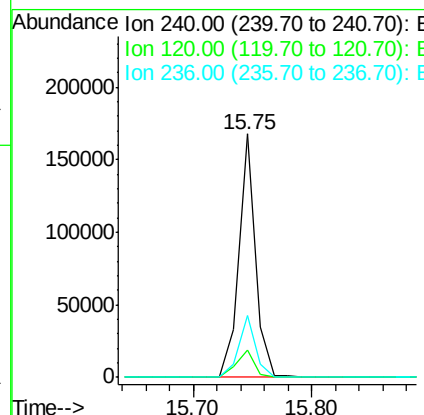
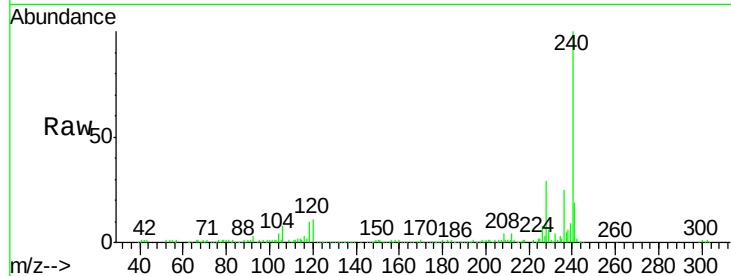




#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.75 min Scan# 1300
Delta R.T. -0.02 min
Lab File: BF078350.D
Acq: 8 Apr 2015 22:56

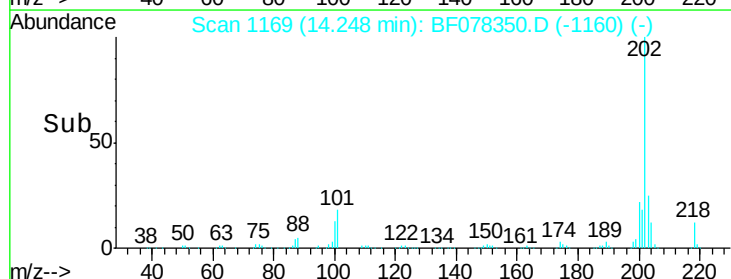
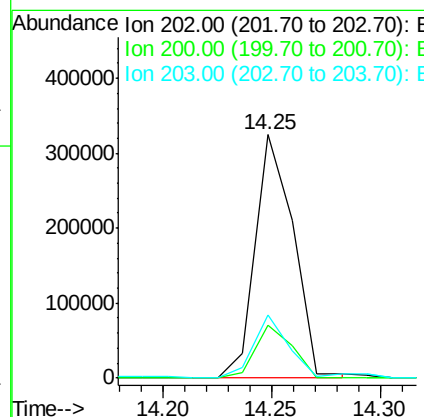
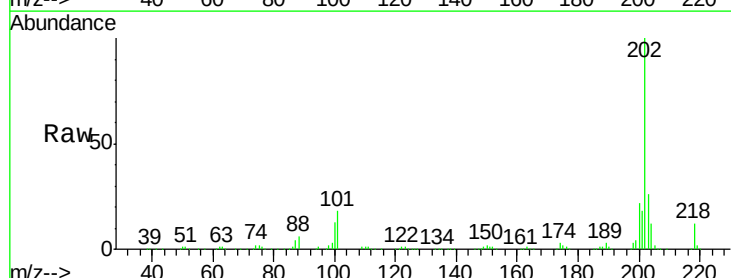
Instrument :
BNA_F
ClientSampleId :
OUTFALL-2

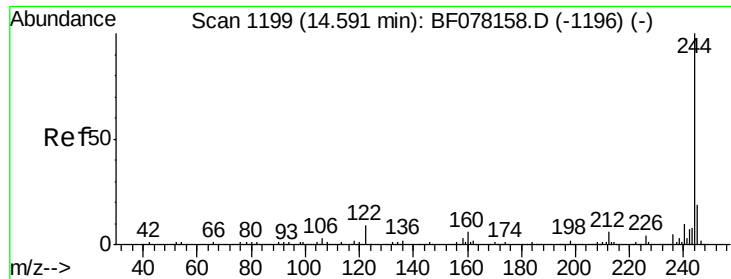
Tot Ion:240 Resp: 164352
Ion Ratio Lower Upper
240 100
120 11.3 7.1 10.7#
236 25.5 21.4 32.2



#77
Pyrene
Concen: 38.38 ng
RT: 14.25 min Scan# 1169
Delta R.T. -0.00 min
Lab File: BF078350.D
Acq: 8 Apr 2015 22:56

Tgt Ion:202 Resp: 396013
Ion Ratio Lower Upper
202 100
200 21.5 16.3 24.5
203 25.7 13.8 20.6#





#78

Terphenyl-d14

Concen: 44.98 ng

RT: 14.48 min Scan# 1189

Delta R.T. -0.00 min

Lab File: BF078350.D

Acq: 8 Apr 2015 22:56

Instrument :

BNA_F

ClientSampleId :

OUTFALL-2

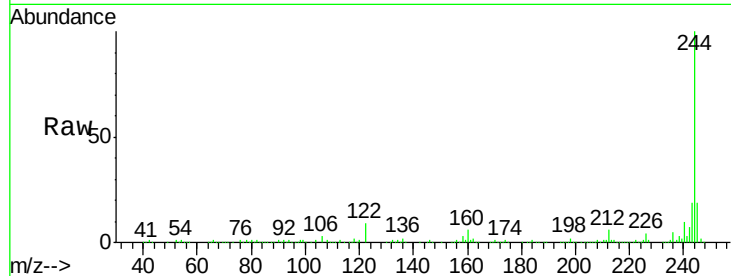
Tot Ion:244 Resp: 327124

Ion Ratio Lower Upper

244 100

212 6.3 5.0 7.4

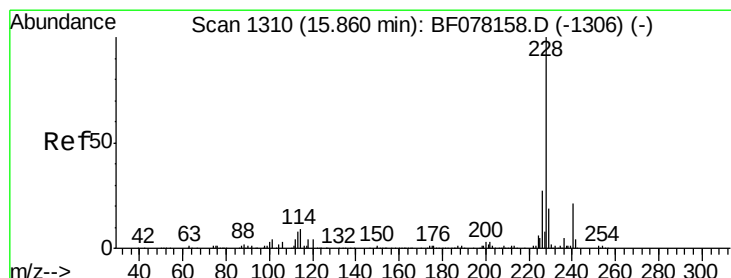
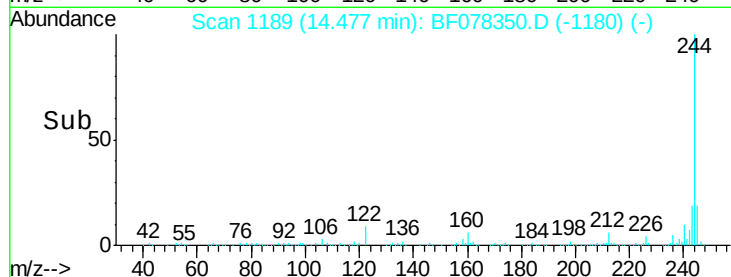
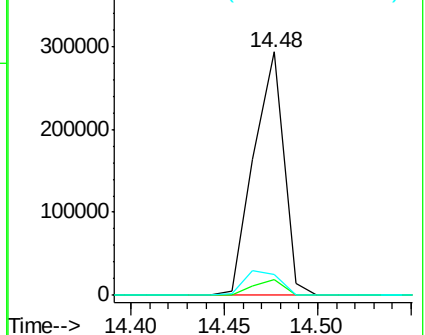
122 8.6 7.1 10.7



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: 23.23 ng

RT: 15.73 min Scan# 1299

Delta R.T. -0.02 min

Lab File: BF078350.D

Acq: 8 Apr 2015 22:56

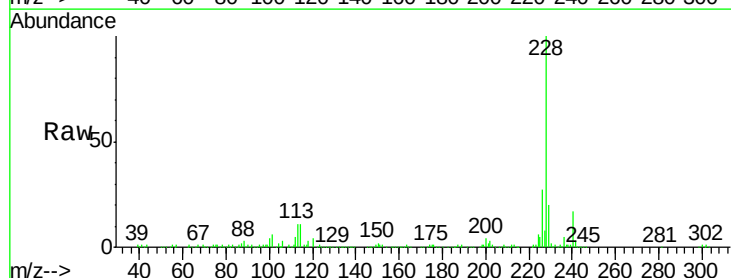
Tgt Ion:228 Resp: 227174

Ion Ratio Lower Upper

228 100

226 27.3 21.3 31.9

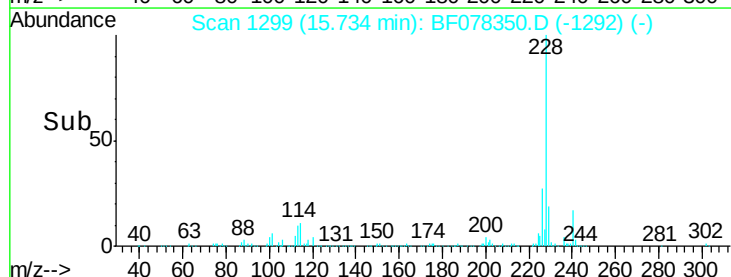
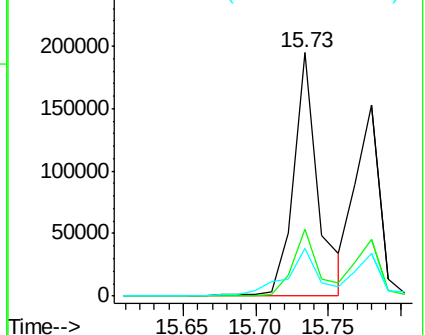
229 19.8 15.4 23.2

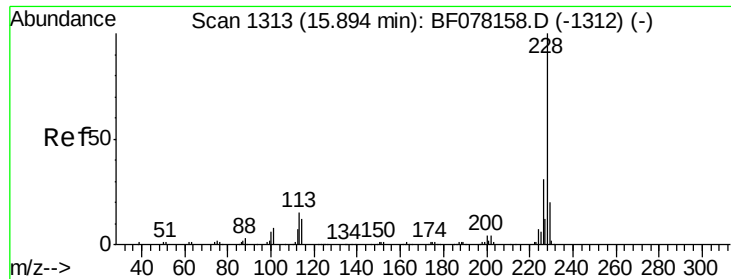


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

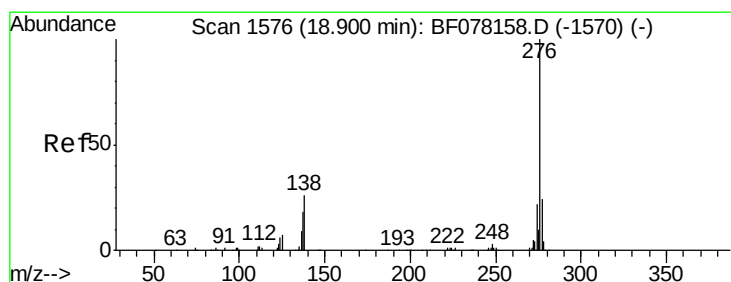
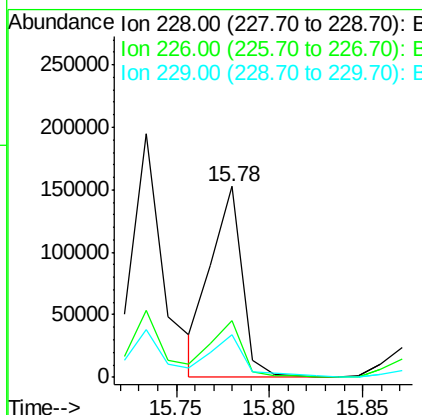
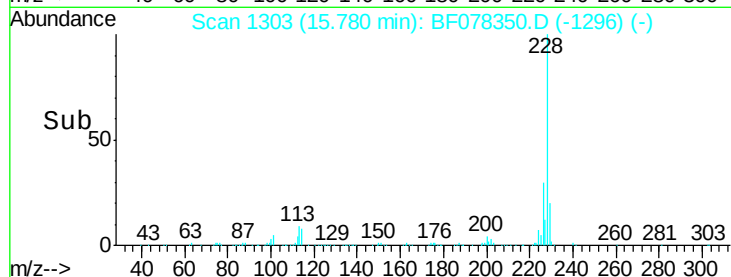
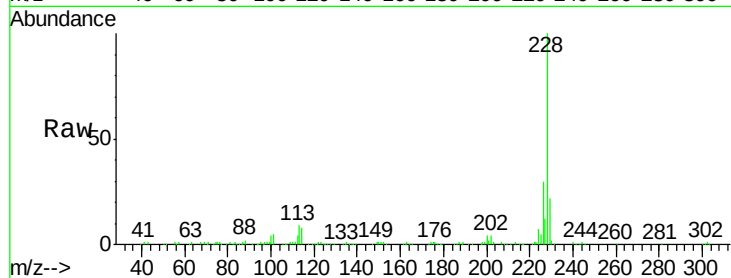




#82
 Chrysene
 Concen: 19.25 ng
 RT: 15.78 min Scan# 1303
 Delta R.T. -0.02 min
 Lab File: BF078350.D
 Acq: 8 Apr 2015 22:56

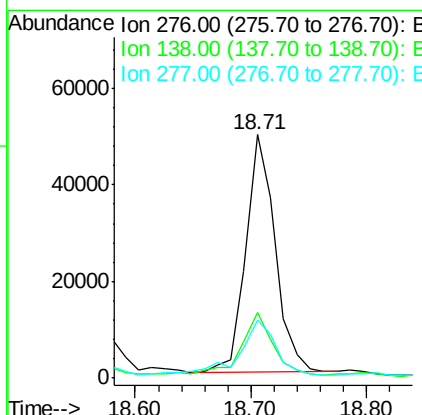
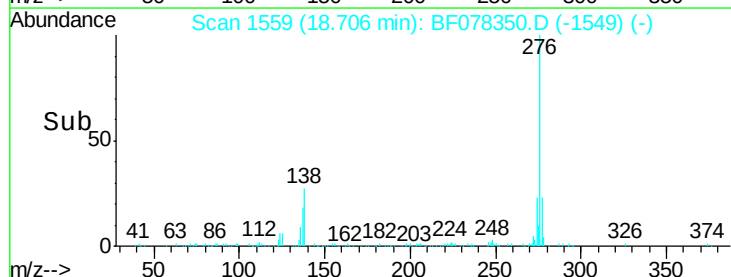
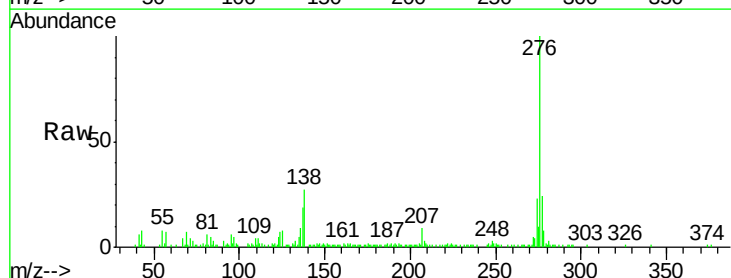
Instrument :
 BNA_F
 ClientSampleId :
 OUTFALL-2

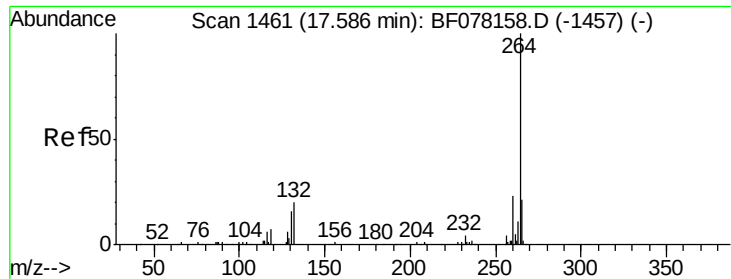
Tot Ion:228 Resp: 176820
 Ion Ratio Lower Upper
 228 100
 226 30.0 24.2 36.4
 229 22.4 15.8 23.8



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.34 ng m
 RT: 18.71 min Scan# 1559
 Delta R.T. -0.18 min
 Lab File: BF078350.D
 Acq: 8 Apr 2015 22:56

Tgt Ion:276 Resp: 86946
 Ion Ratio Lower Upper
 276 100
 138 3.1 16.9 25.3#
 277 2.4 15.8 23.6#

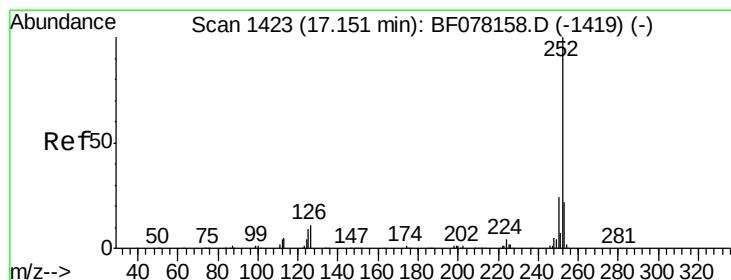
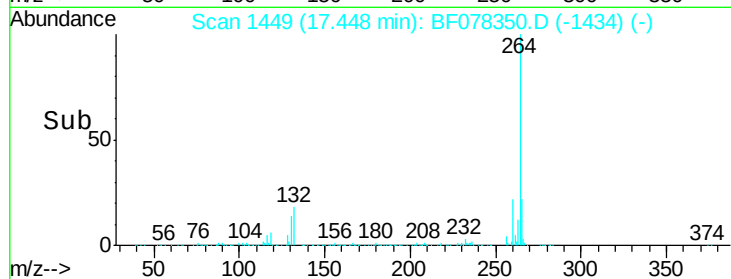
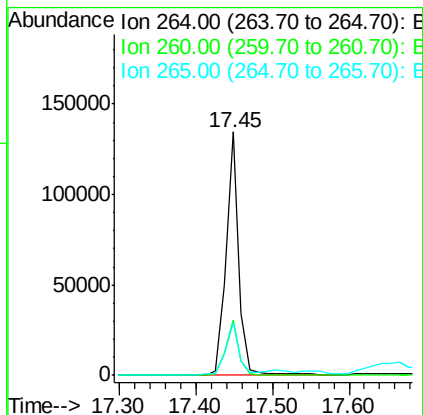
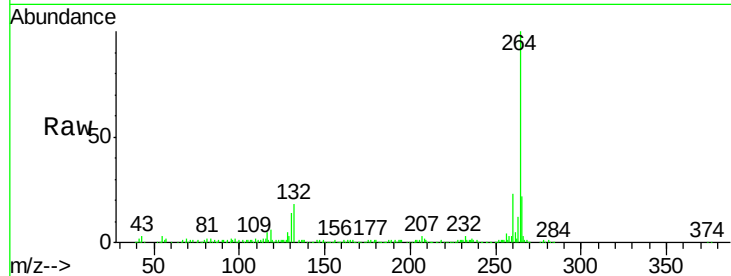




#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.45 min Scan# 1449
Delta R.T. -0.13 min
Lab File: BF078350.D
Acq: 8 Apr 2015 22:56

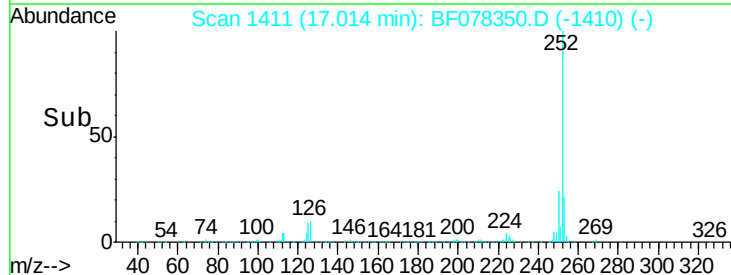
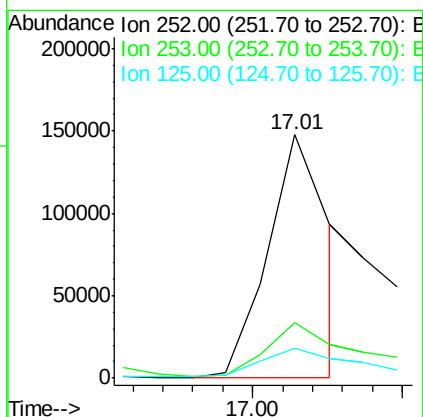
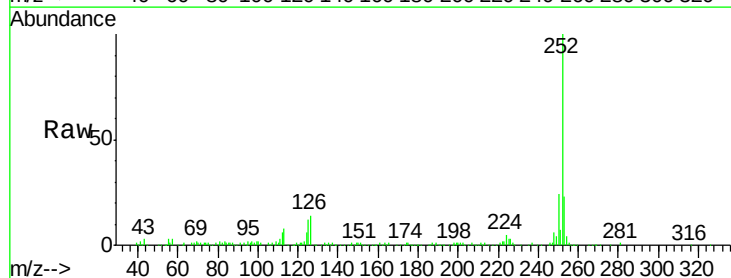
Instrument :
BNA_F
ClientSampleId :
OUTFALL-2

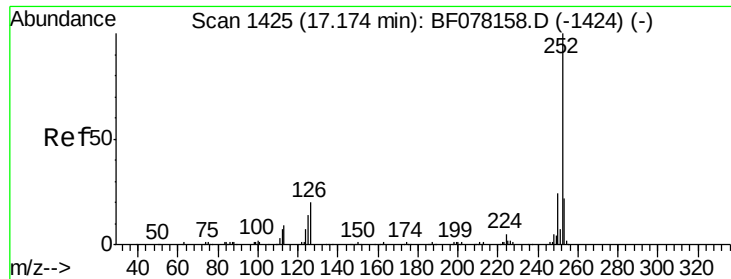
Tot Ion:264 Resp: 159528
Ion Ratio Lower Upper
264 100
260 22.8 18.6 27.8
265 21.8 17.0 25.6



#87
Benzo(b)fluoranthene
Concen: 20.95 ng m
RT: 17.01 min Scan# 1411
Delta R.T. -0.09 min
Lab File: BF078350.D
Acq: 8 Apr 2015 22:56

Tgt Ion:252 Resp: 206591
Ion Ratio Lower Upper
252 100
253 23.0 17.2 25.8
125 12.4 7.0 10.4#

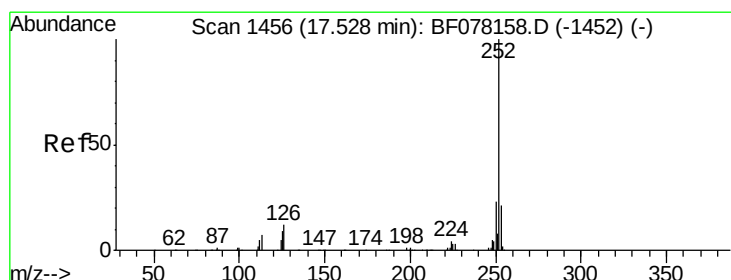
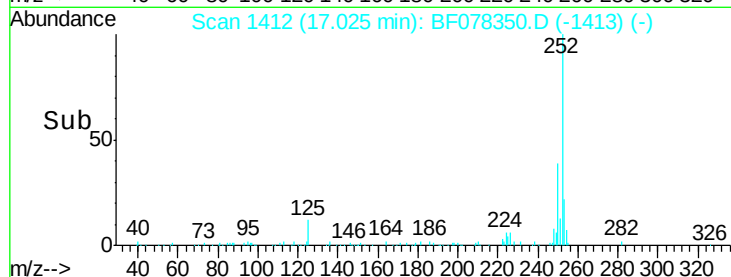
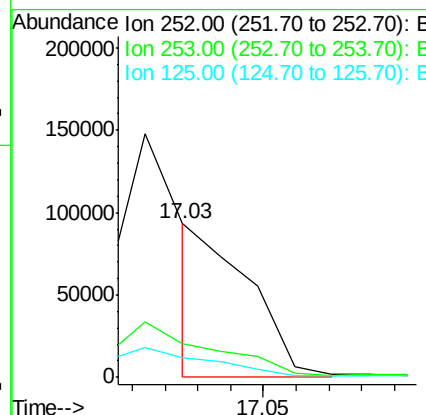
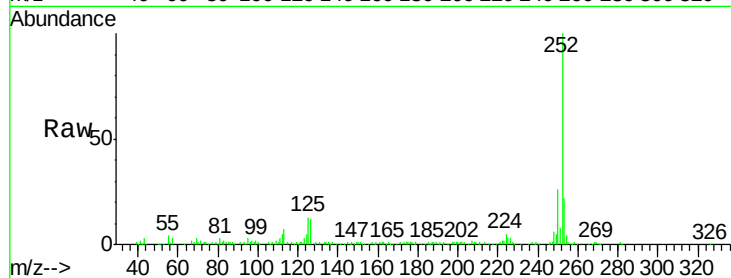




#88
Benzo(k)fluoranthene
Concen: 10.74 ng m
RT: 17.03 min Scan# 1412
Delta R.T. -0.11 min
Lab File: BF078350.D
Acq: 8 Apr 2015 22:56

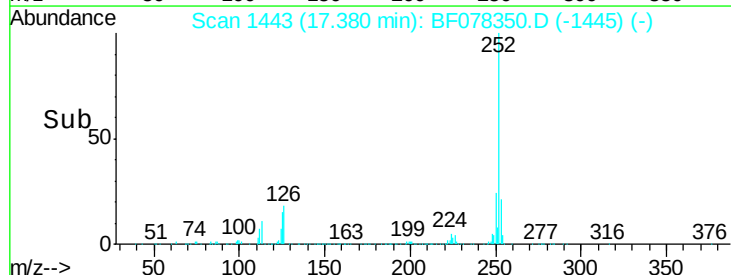
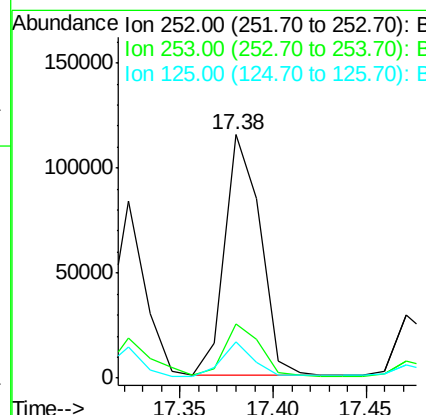
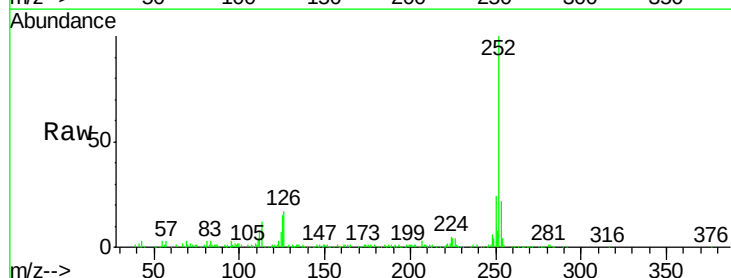
Instrument :
BNA_F
ClientSampleId :
OUTFALL-2

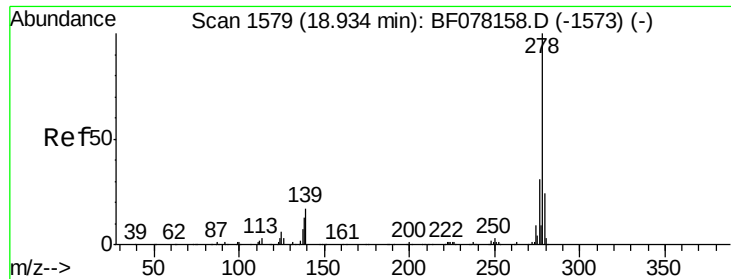
Tot Ion:252 Resp: 94076
Ion Ratio Lower Upper
252 100
253 21.7 17.5 26.3
125 12.8 11.6 17.4



#89
Benzo(a)pyrene
Concen: 17.65 ng
RT: 17.38 min Scan# 1443
Delta R.T. -0.13 min
Lab File: BF078350.D
Acq: 8 Apr 2015 22:56

Tgt Ion:252 Resp: 151850
Ion Ratio Lower Upper
252 100
253 22.2 16.8 25.2
125 14.7 7.4 11.0#





#90

Dibenzo(a,h)anthracene

Concen: 2.32 ng/mL

RT: 18.73 min Scan# 1561

Delta R.T. -0.19 min

Lab File: BF078350.D

Acq: 8 Apr 2015 22:56

Instrument :

BNA_F

ClientSampleId :

OUTFALL-2

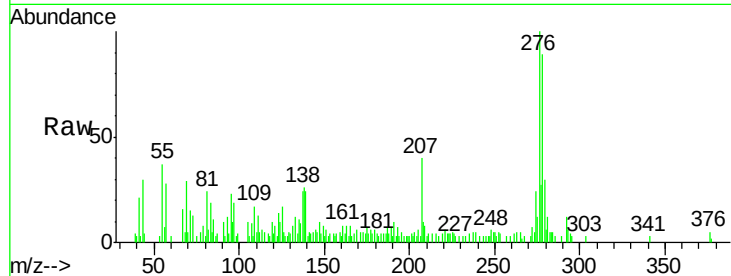
Tot Ion:278 Resp: 19974

Ion Ratio Lower Upper

278 100

139 26.6 13.6 20.4#

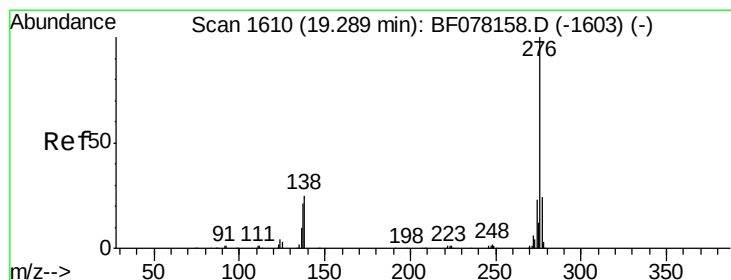
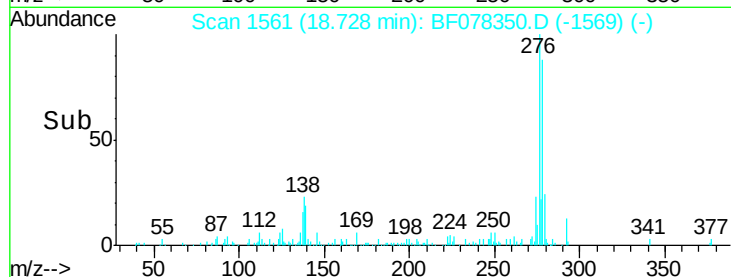
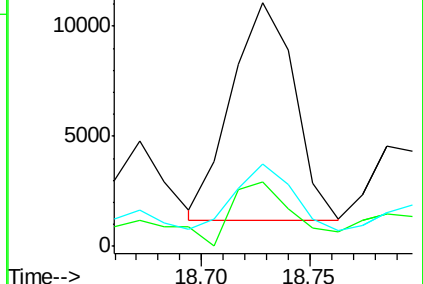
279 33.8 19.0 28.6#



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



#91

Benzo(g,h,i)perylene

Concen: 8.90 ng/mL

RT: 19.07 min Scan# 1591

Delta R.T. -0.18 min

Lab File: BF078350.D

Acq: 8 Apr 2015 22:56

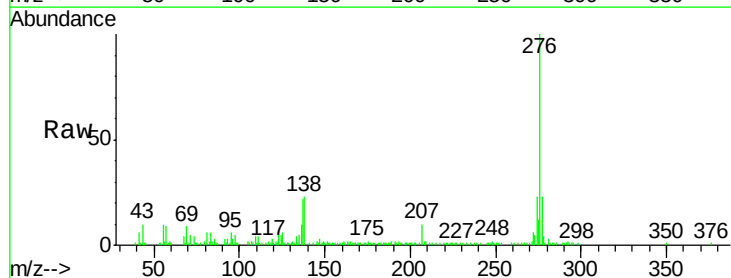
Tgt Ion:276 Resp: 76884

Ion Ratio Lower Upper

276 100

277 23.3 19.0 28.4

138 23.0 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

