

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 01:10:48 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

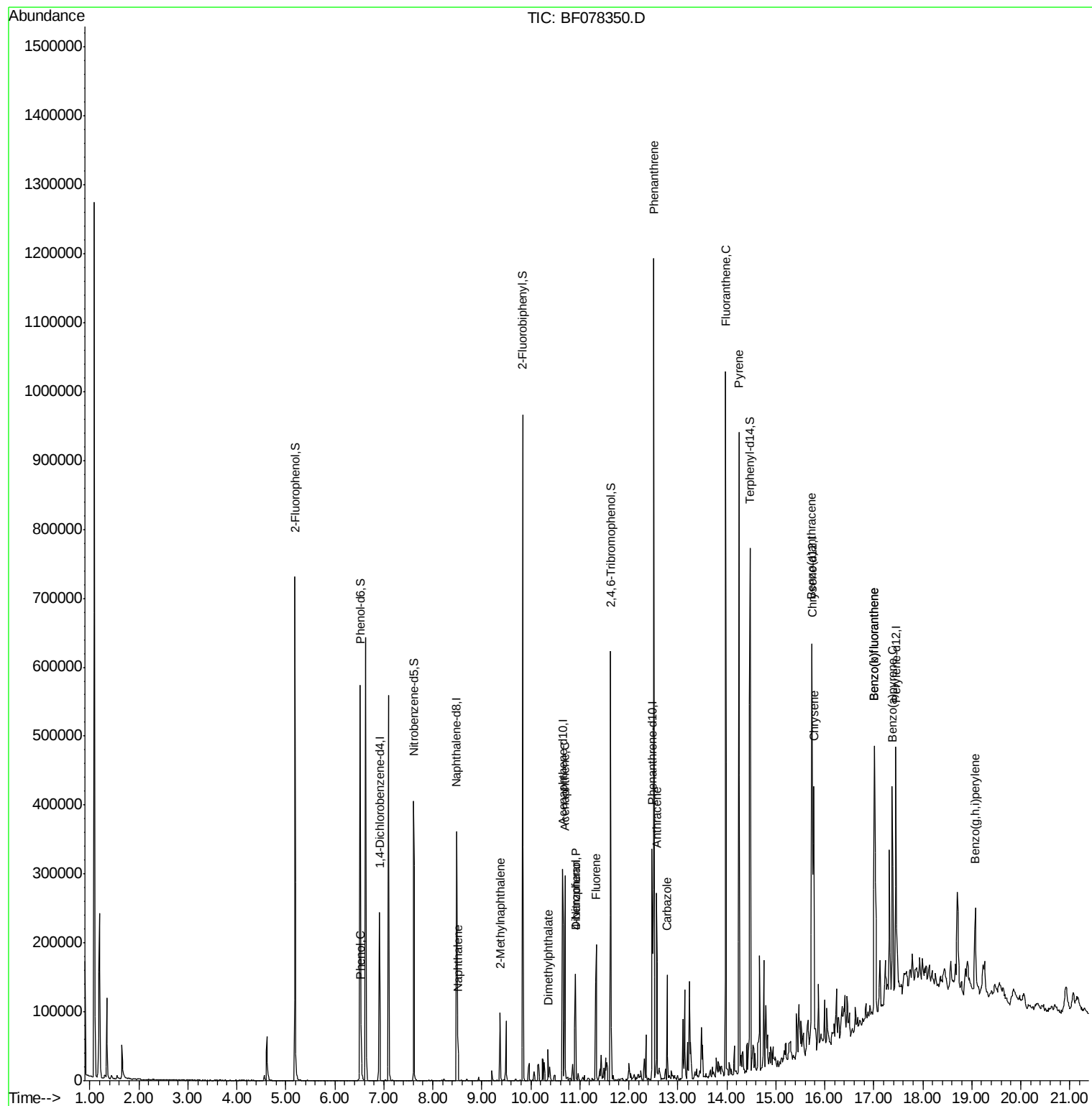
Target Compounds				Qvalue		
10) Phenol	6.53	94	10260	2.75	ng	88
31) Naphthalene	8.51	128	37659	4.30	ng	99
37) 2-Methylnaphthalene	9.38	142	37749	6.34	ng	96
49) Dimethylphthalate	10.35	163	18476	3.11	ng	99
51) Acenaphthene	10.69	154	69838	15.08	ng	98
54) Dibenzofuran	10.91	168	75704	10.70	ng	92
55) 4-Nitrophenol	10.91	139	26460	27.71	ng	# 19
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
87) Benzo(b)fluoranthene	17.01	252	256555	26.02	ng	# 95
88) Benzo(k)fluoranthene	17.01	252	297405	33.94	ng	97
89) Benzo(a)pyrene	17.38	252	151850	17.65	ng	# 94
91) Benzo(g,h,i)perylene	19.07	276	76884	8.90	ng	98

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

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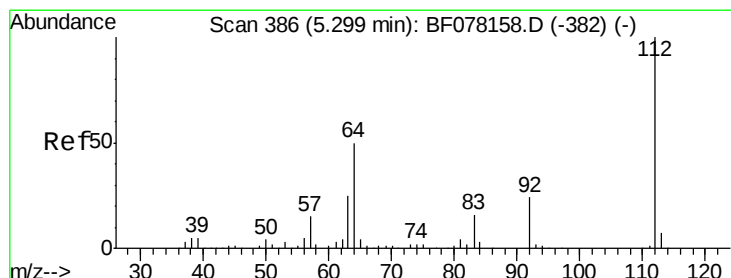
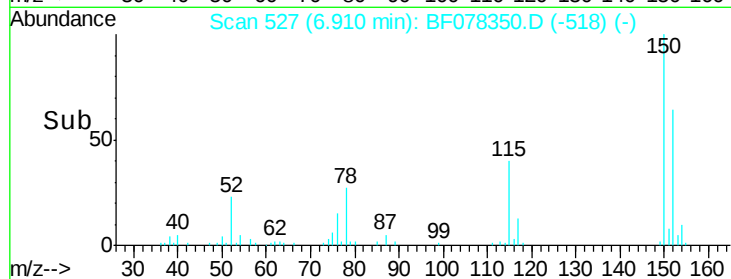
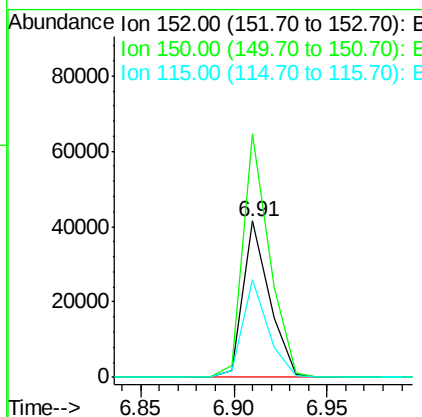
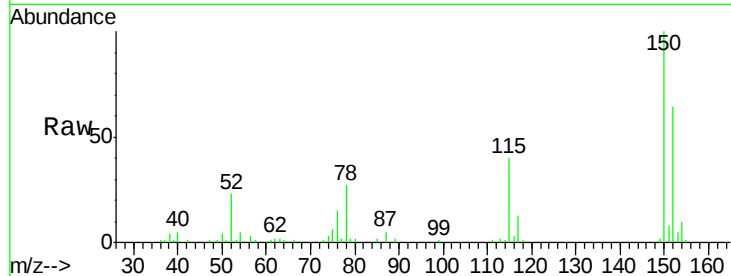




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.91 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: BF078350.D
 Acq: 8 Apr 2015 22:56

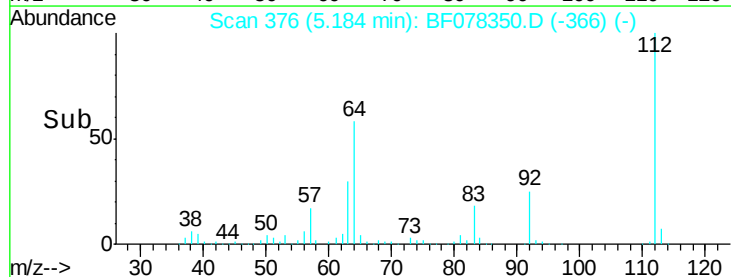
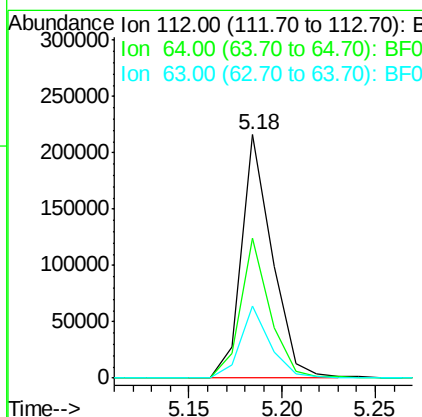
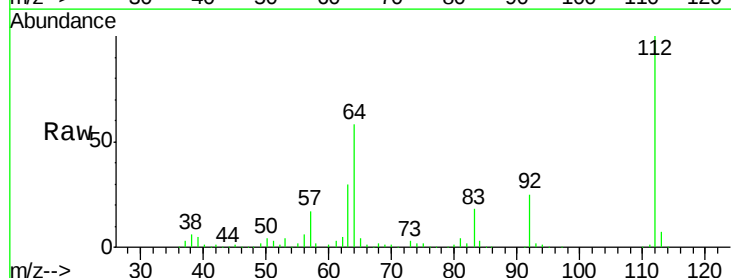
Instrument :
 BNA_F
 ClientSampleId :
 OUTFALL-2

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



#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





#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

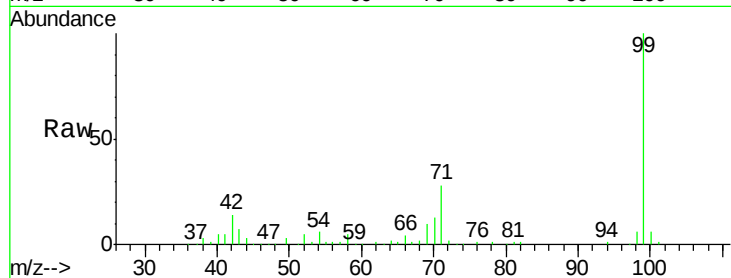
Tgt Ion: 99 Resp: 324531

Ion Ratio Lower Upper

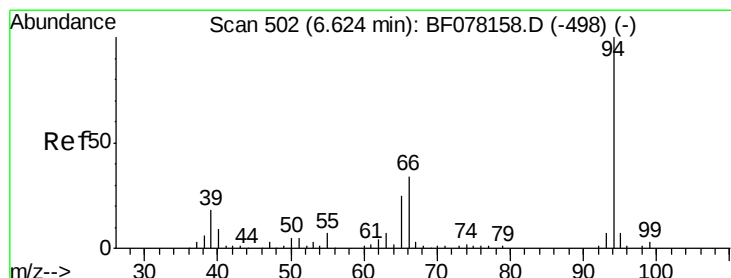
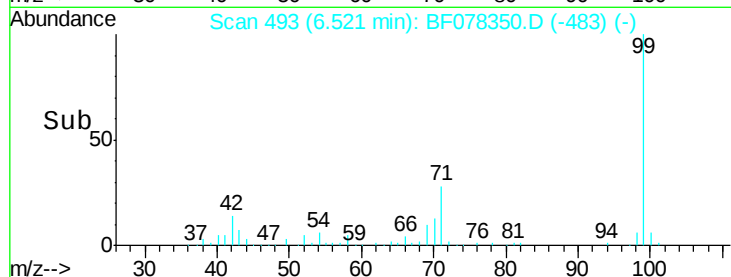
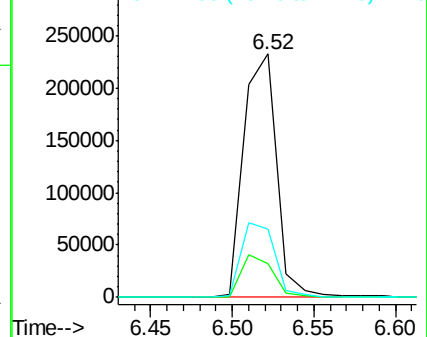
99 100

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

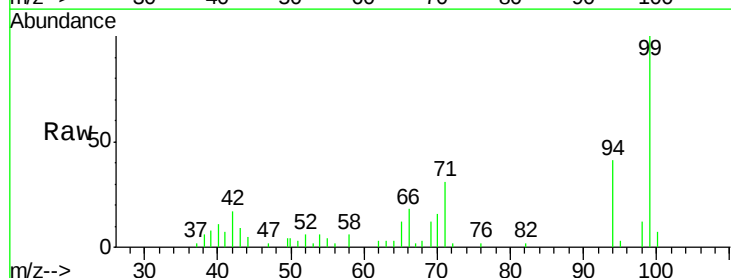
Tgt Ion: 94 Resp: 10260

Ion Ratio Lower Upper

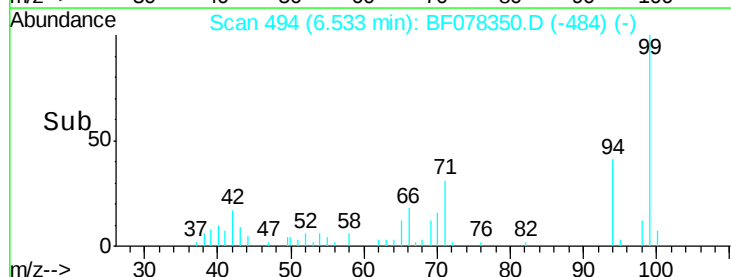
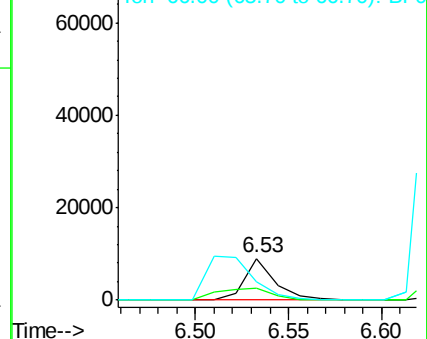
94 100

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

Tgt Ion:136 Resp: 168404

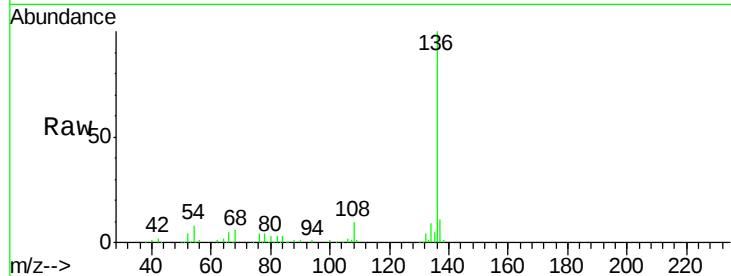
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.4

54 8.1 7.0 10.6

68 6.1 5.4 8.2

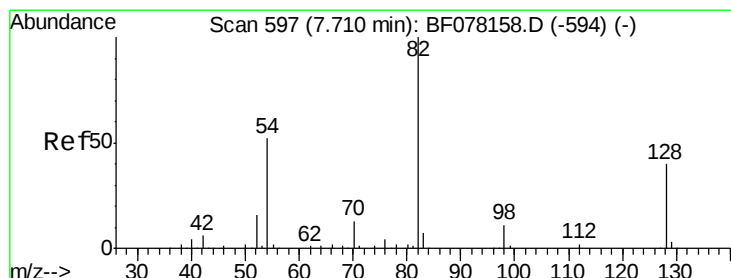
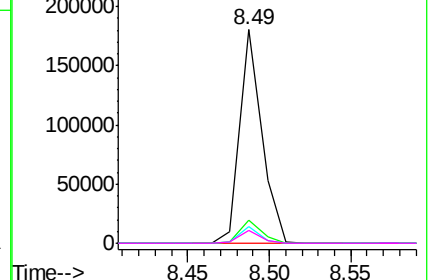
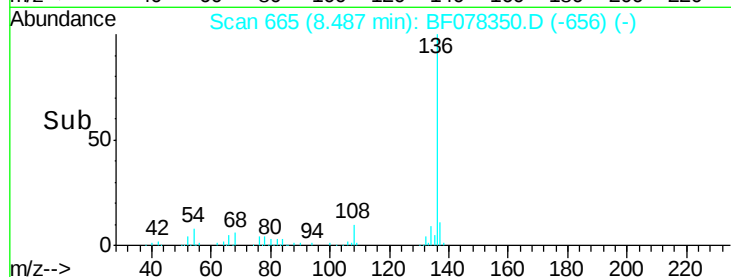


Abundance Ion 136.00 (135.70 to 136.70): E

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



#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

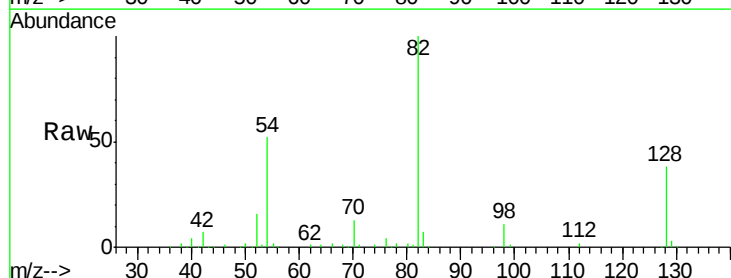
Tgt Ion: 82 Resp: 181802

Ion Ratio Lower Upper

82 100

128 37.5 31.8 47.8

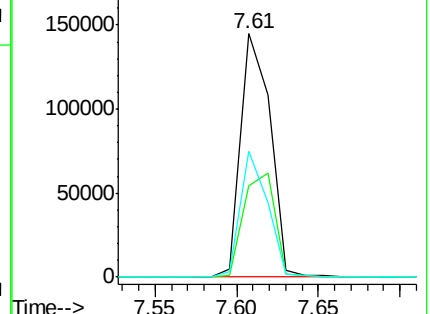
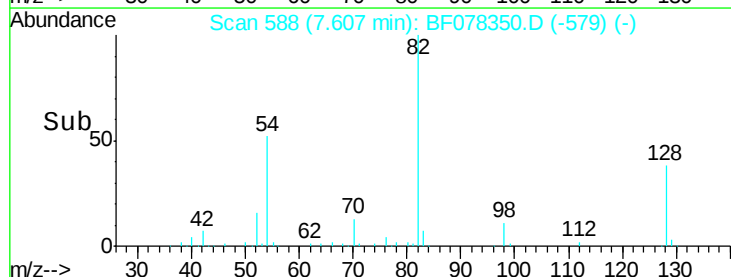
54 51.9 41.5 62.3

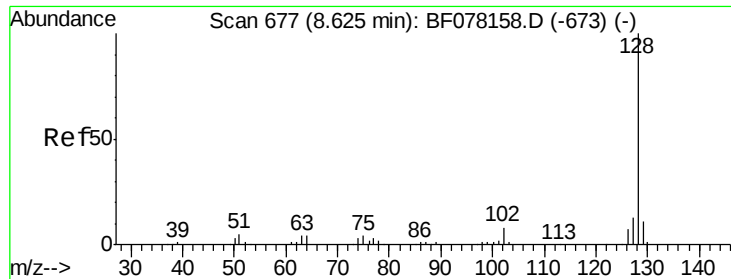


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

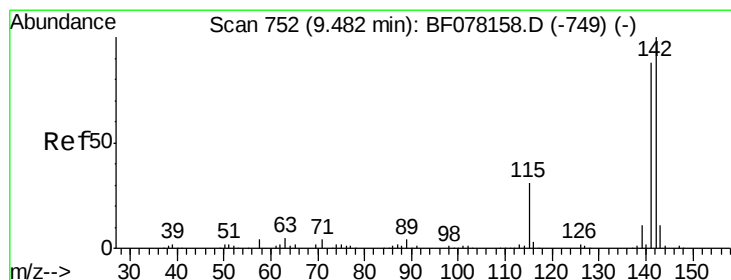
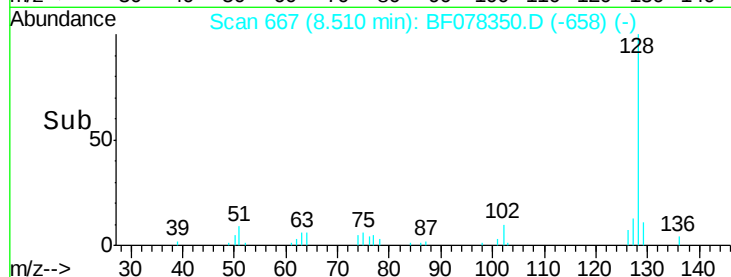
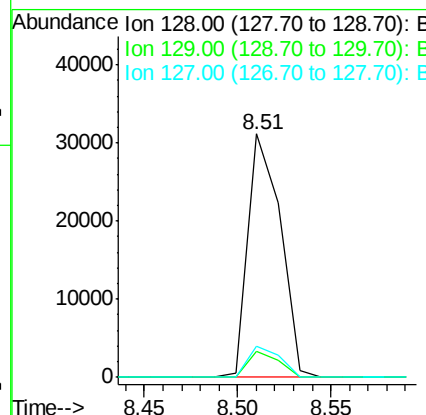
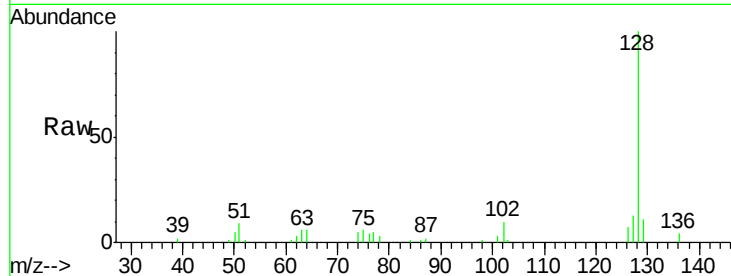




#31
Naphthalene
Concen: 4.30 ng
RT: 8.51 min Scan# 667
Delta R.T. -0.00 min
Lab File: BF078350.D
Acq: 8 Apr 2015 22:56

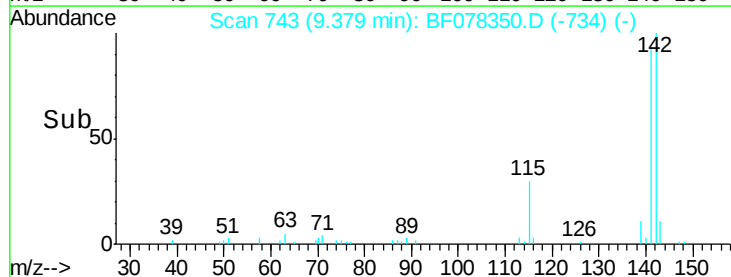
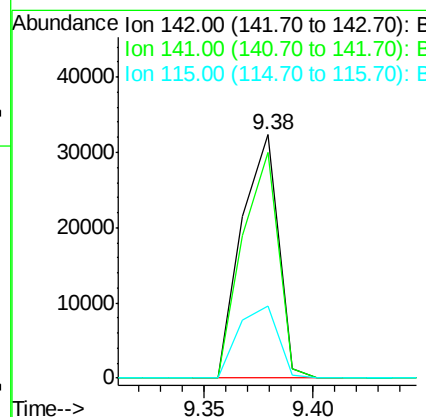
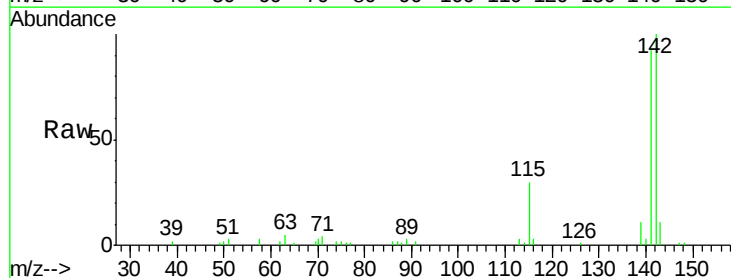
Instrument :
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ClientSampleId :
OUTFALL-2

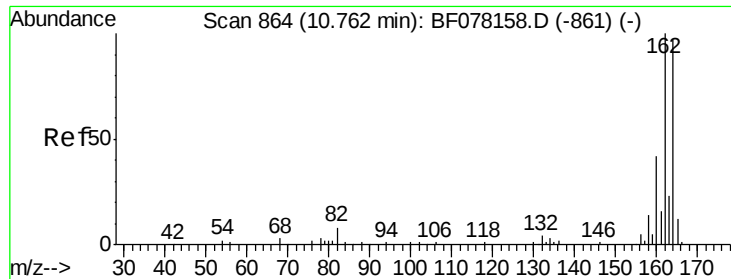
Tgt Ion:128 Resp: 37659
Ion Ratio Lower Upper
128 100
129 10.7 8.6 12.8
127 12.6 10.7 16.1



#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

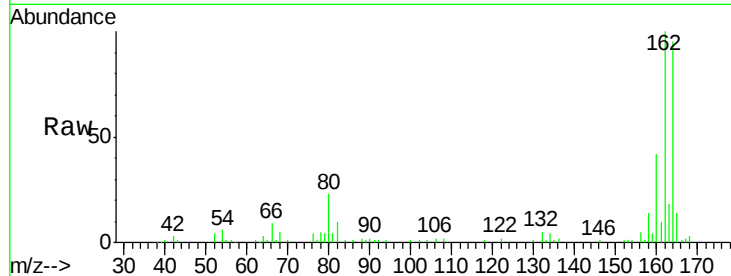




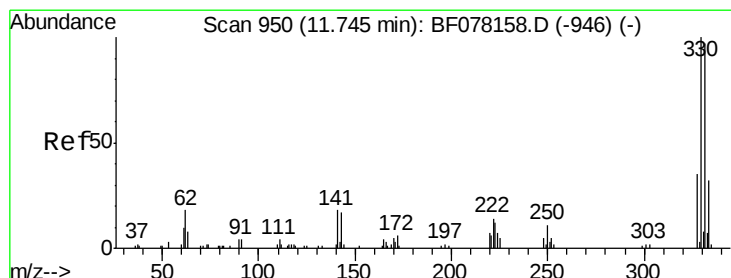
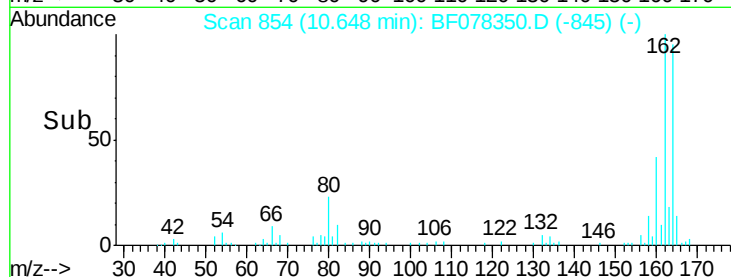
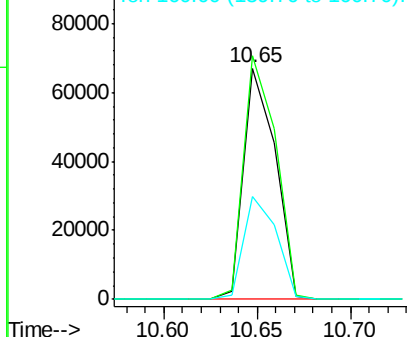
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.65 min Scan# 854
Delta R.T. -0.00 min
Lab File: BF078350.D
Acq: 8 Apr 2015 22:56

Instrument :
BNA_F
ClientSampleId :
OUTFALL-2

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

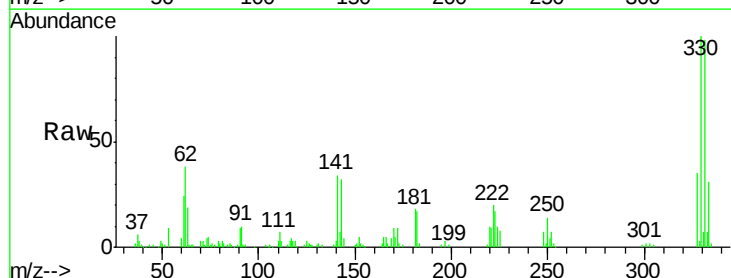


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

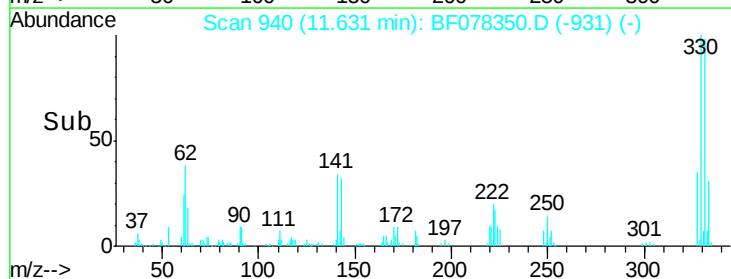
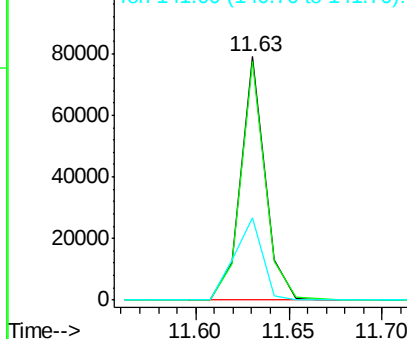


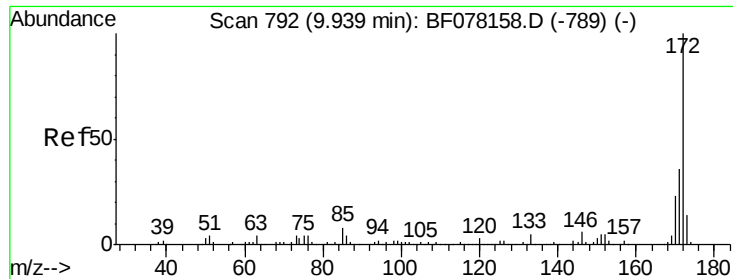
#41
2,4,6-Tribromophenol
Concen: 110.34 ng
RT: 11.63 min Scan# 940
Delta R.T. -0.00 min
Lab File: BF078350.D
Acq: 8 Apr 2015 22:56

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

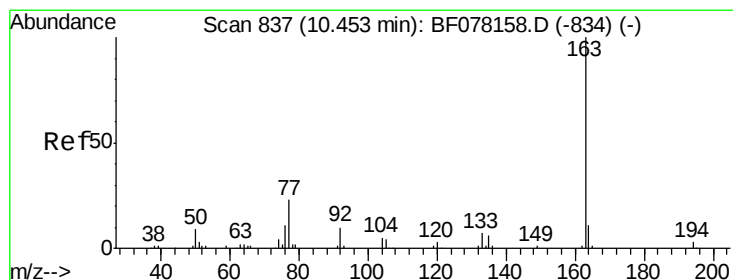
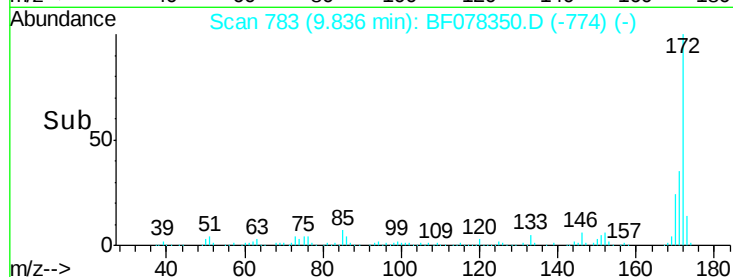
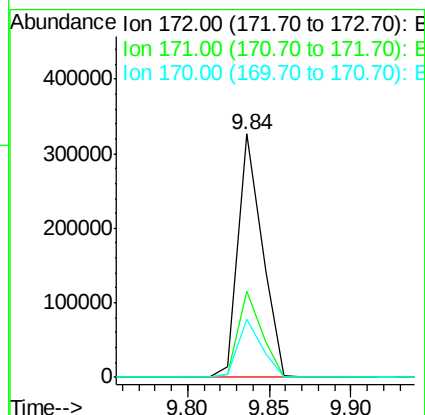
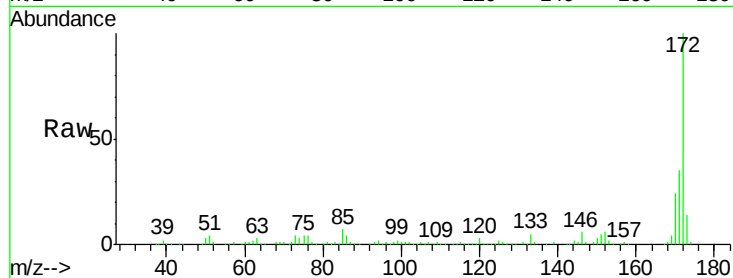




#44
 2-Fluorobiphenyl
 Concen: 60.02 ng
 RT: 9.84 min Scan# 783
 Delta R.T. -0.00 min
 Lab File: BF078350.D
 Acq: 8 Apr 2015 22:56

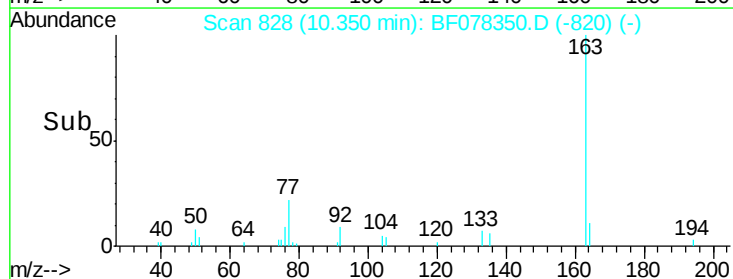
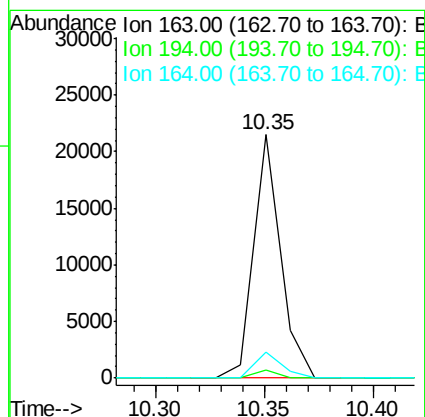
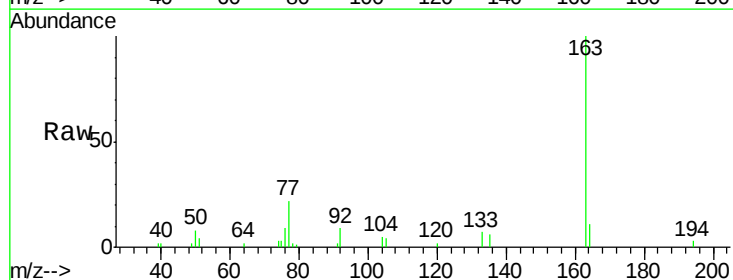
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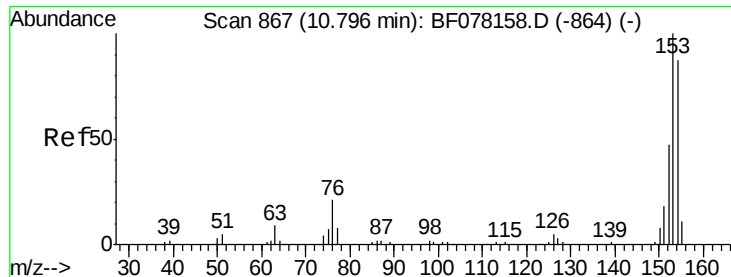
Tgt Ion:172 Resp: 332333
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.6 42.8
 170 23.9 18.5 27.7



#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

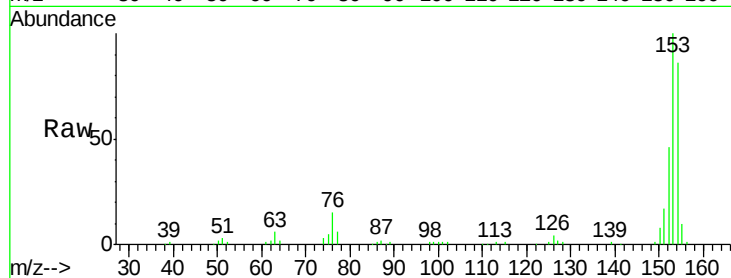
Tgt Ion:154 Resp: 69838

Ion Ratio Lower Upper

154 100

153 116.8 91.4 137.2

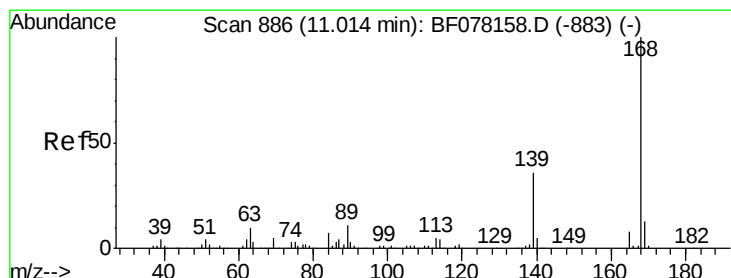
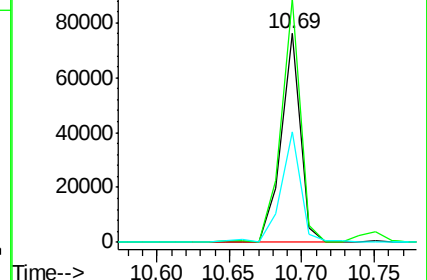
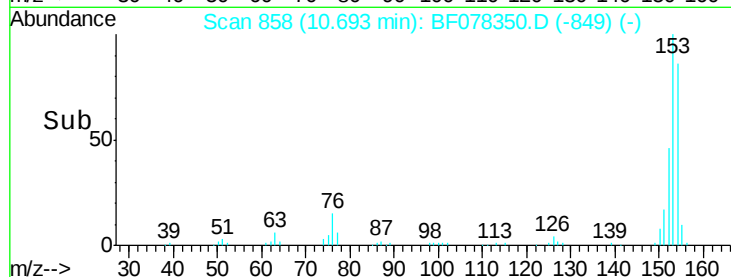
152 53.3 43.0 64.6



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: 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

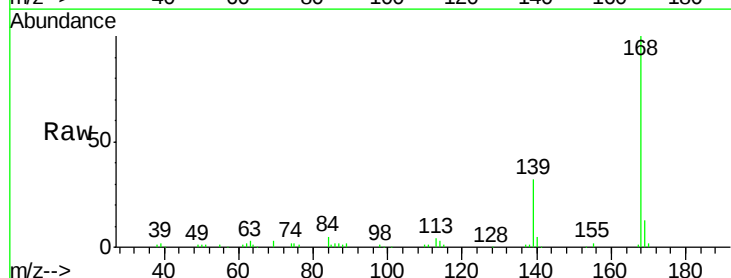
Tgt Ion:168 Resp: 75704

Ion Ratio Lower Upper

168 100

139 32.3 31.0 46.4

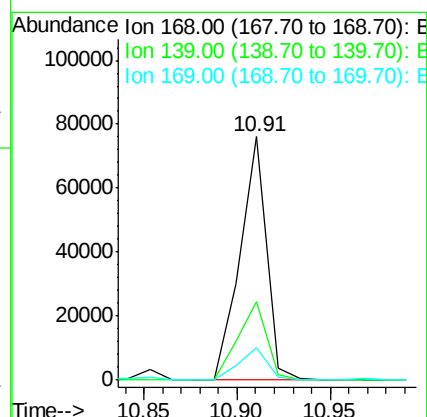
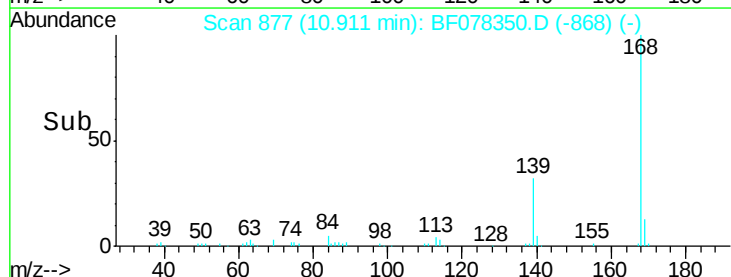
169 13.1 10.7 16.1

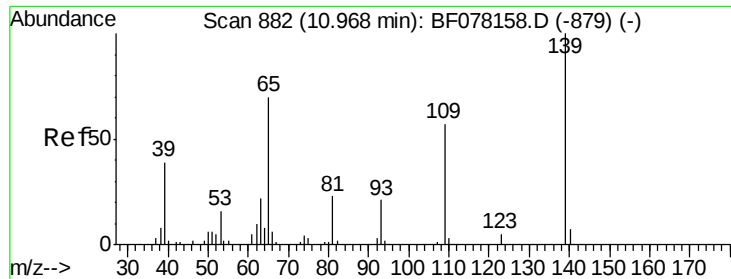


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

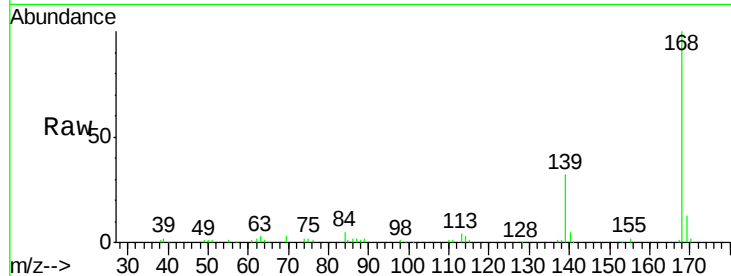




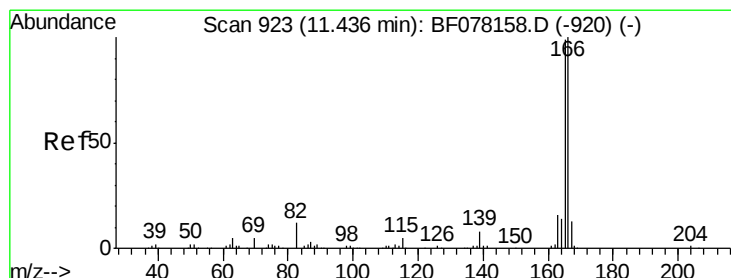
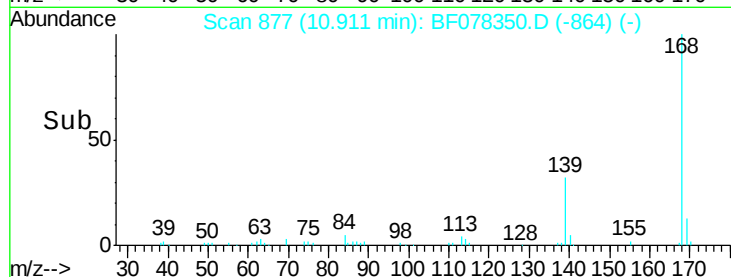
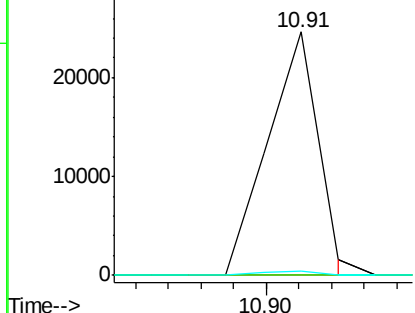
#55
4-Nitrophenol
Concen: 27.71 ng
RT: 10.91 min Scan# 877
Delta R.T. 0.05 min
Lab File: BF078350.D
Acq: 8 Apr 2015 22:56

Instrument :
BNA_F
ClientSampleId :
OUTFALL-2

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	36.7	76.7#
65	1.5	49.9	89.9#

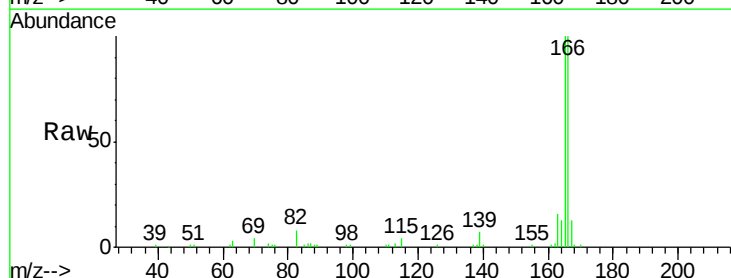


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

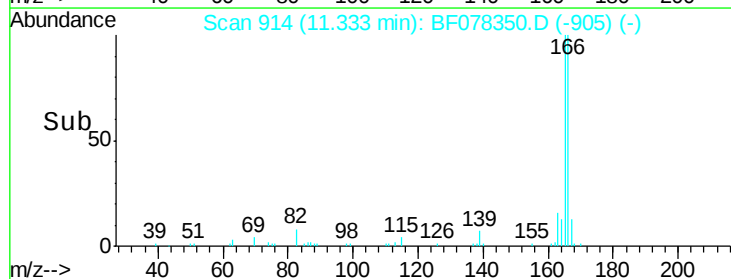
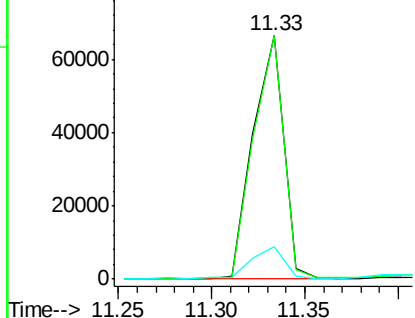


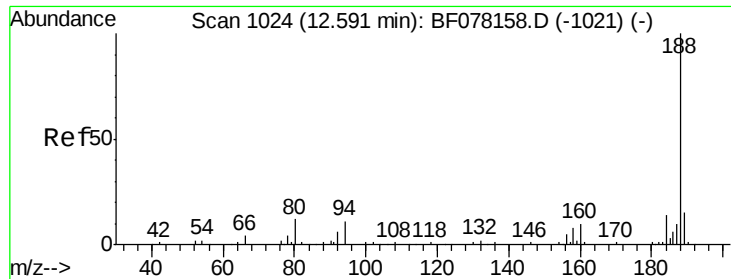
#57
Fluorene
Concen: 13.16 ng
RT: 11.33 min Scan# 914
Delta R.T. -0.00 min
Lab File: BF078350.D
Acq: 8 Apr 2015 22:56

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.1	78.9	118.3
167	13.3	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

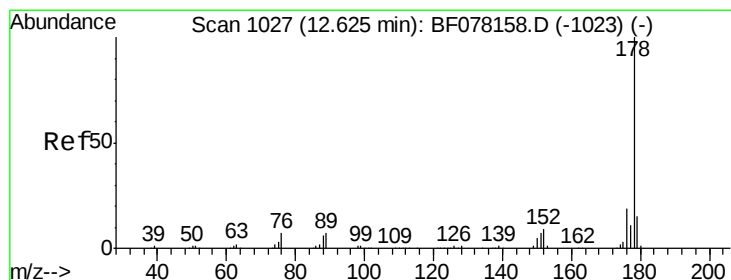
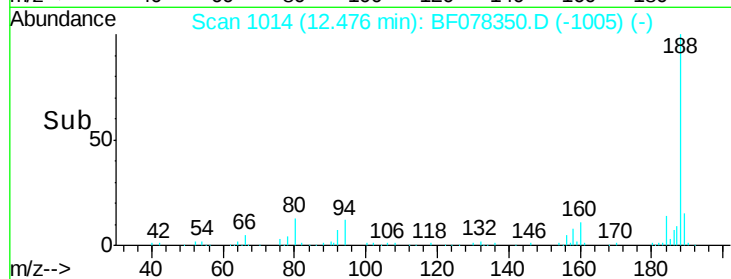
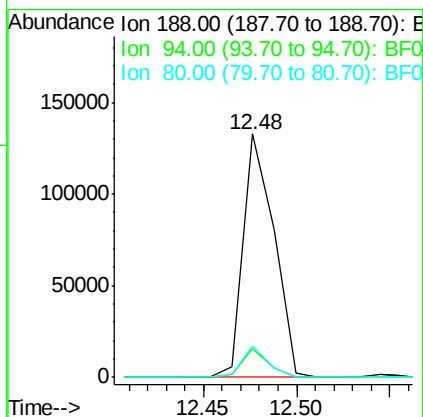
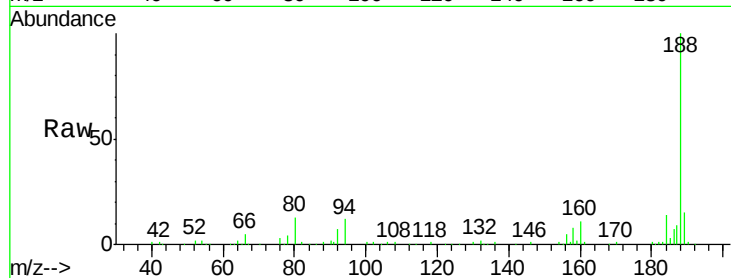




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.48 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: BF078350.D
 Acq: 8 Apr 2015 22:56

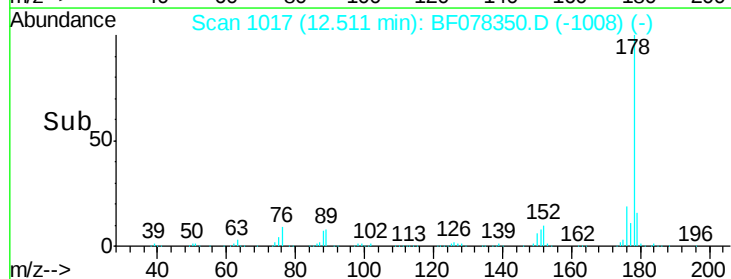
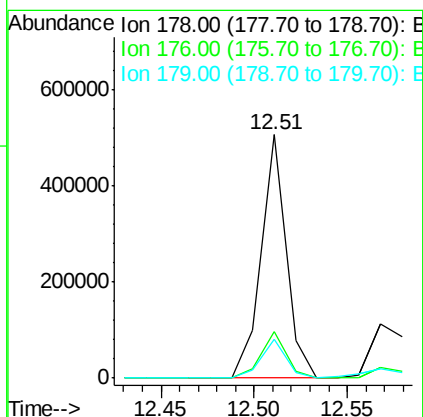
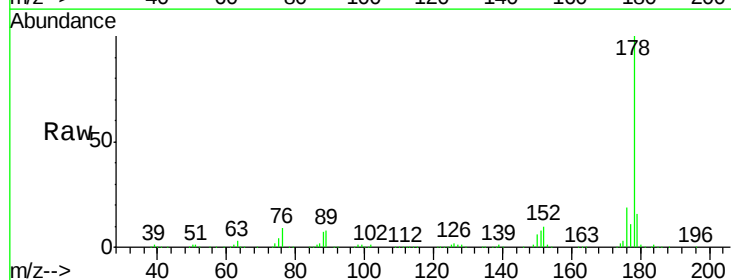
Instrument :
 BNA_F
 ClientSampleId :
 OUTFALL-2

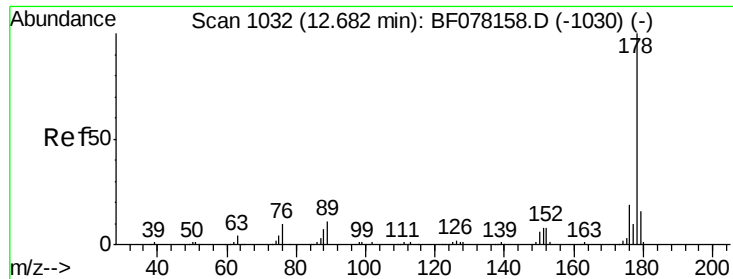
Tgt Ion:188 Resp: 152090
 Ion Ratio Lower Upper
 188 100
 94 11.8 9.0 13.4
 80 12.6 9.5 14.3



#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

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

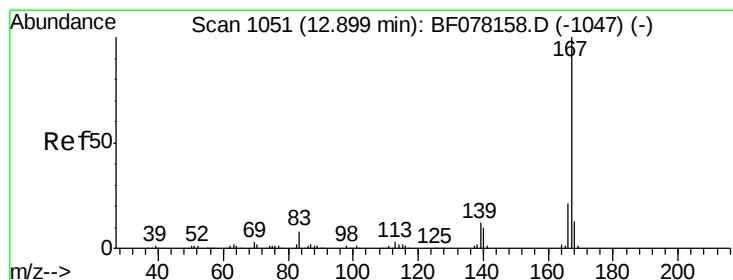
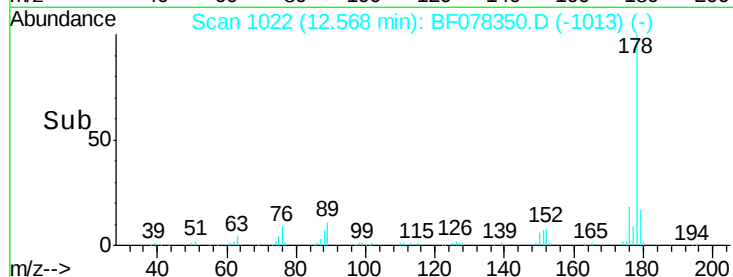
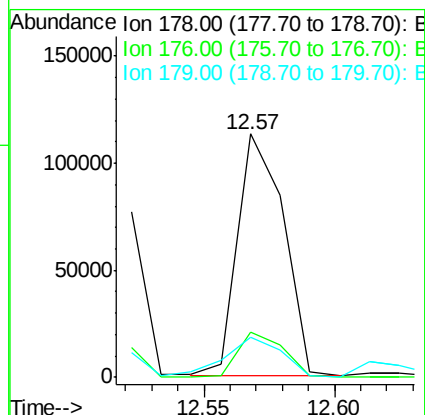
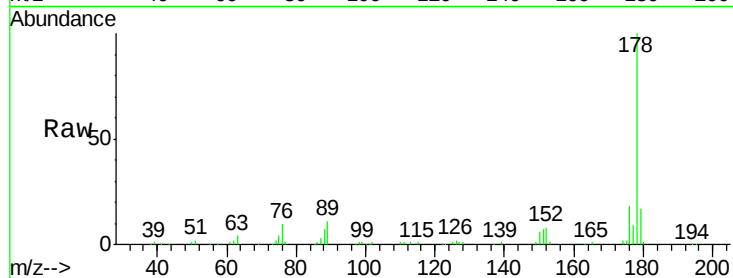




#71
 Anthracene
 Concen: 16.25 ng
 RT: 12.57 min Scan# 1022
 Delta R.T. -0.00 min
 Lab File: BF078350.D
 Acq: 8 Apr 2015 22:56

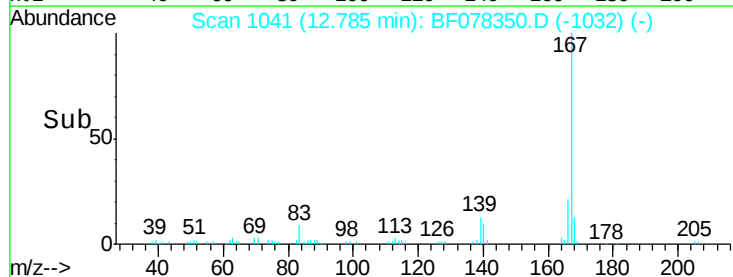
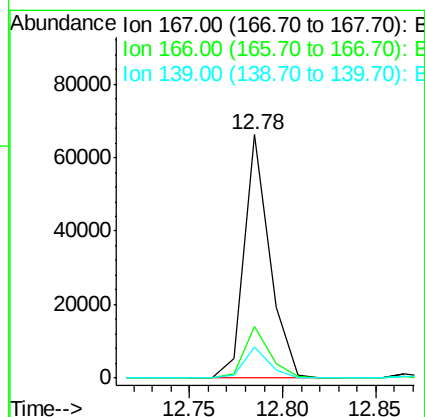
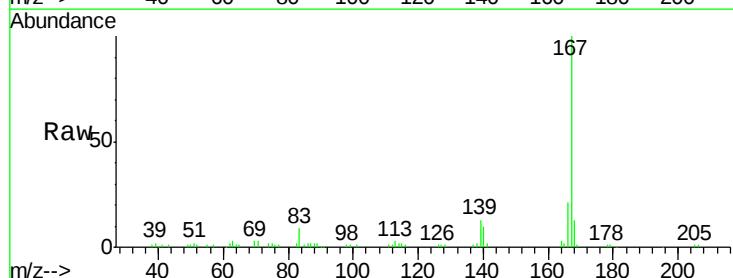
Instrument :
 BNA_F
 ClientSampleId :
 OUTFALL-2

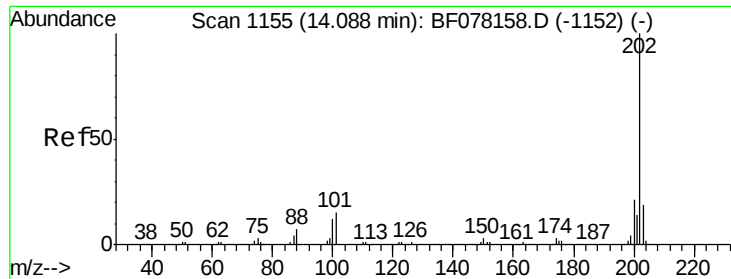
Tgt Ion:178 Resp: 140896
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.8 22.2
 179 16.6 12.4 18.6



#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

Tgt Ion:167 Resp: 62690
 Ion Ratio Lower Upper
 167 100
 166 21.3 16.8 25.2
 139 12.8 10.0 15.0





#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

Instrument :

BNA_F

ClientSampleId :

OUTFALL-2

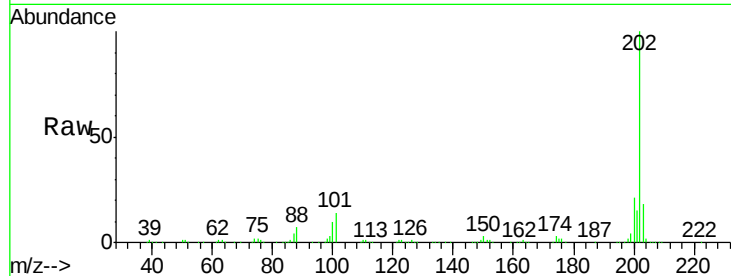
Tgt Ion: 202 Resp: 493868

Ion Ratio Lower Upper

202 100

101 13.8 0.0 35.2

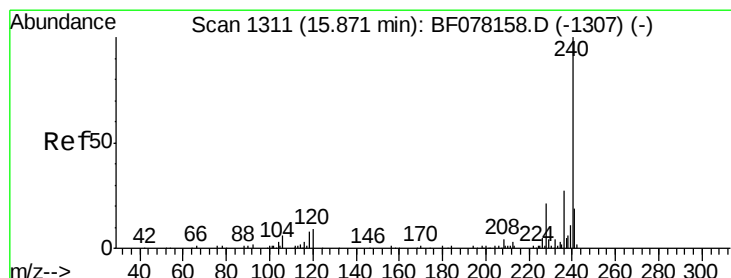
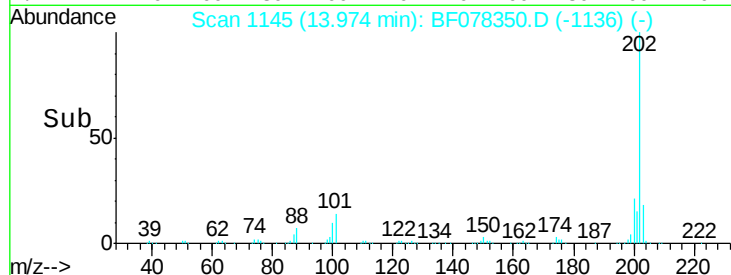
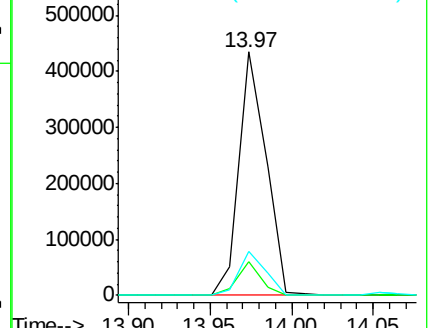
203 18.1 0.0 38.5



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

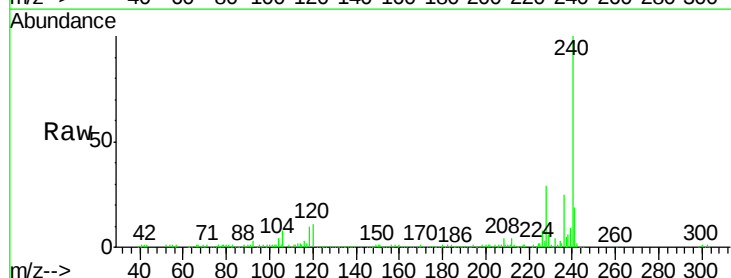
Tgt Ion: 240 Resp: 164352

Ion Ratio Lower Upper

240 100

120 11.3 7.1 10.7#

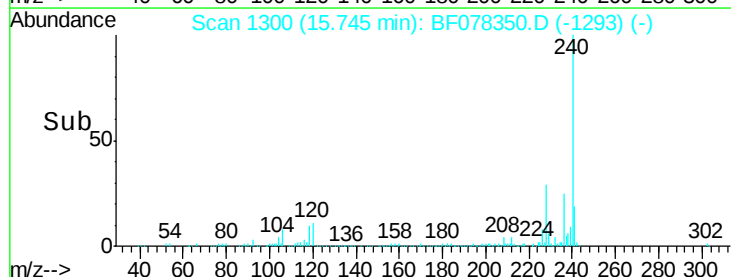
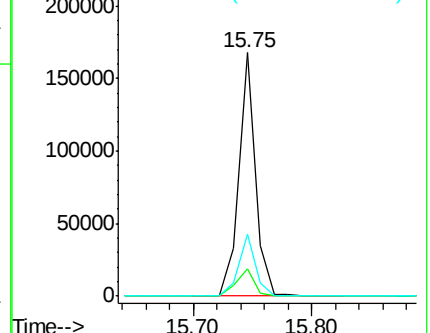
236 25.5 21.4 32.2

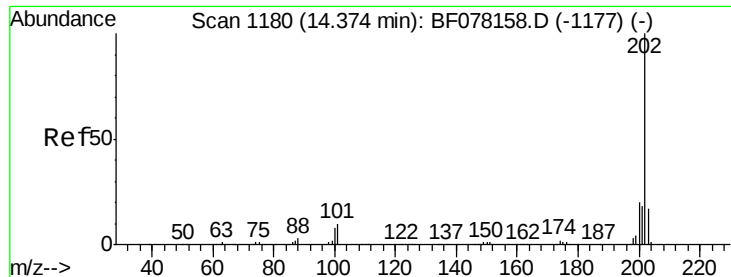


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

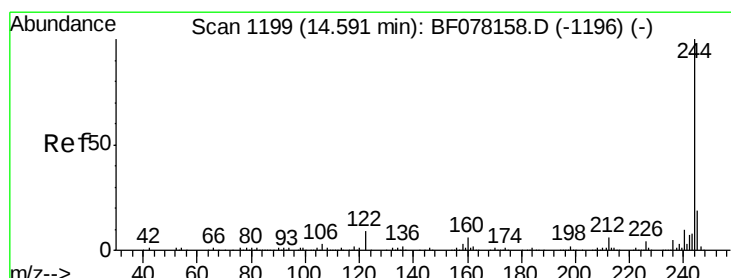
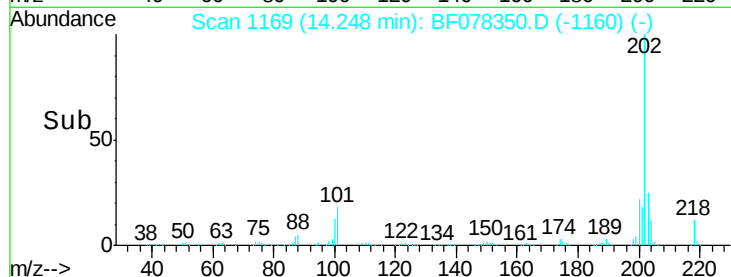
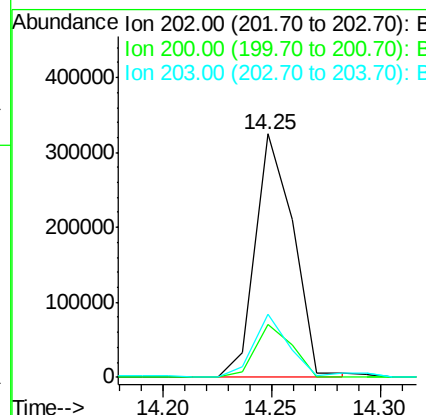
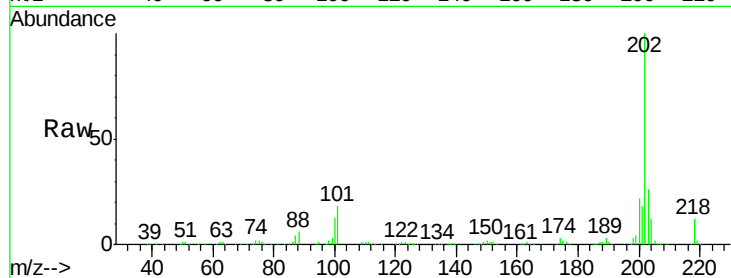




#77
 Pyrene
 Concen: 38.38 ng
 RT: 14.25 min Scan# 1169
 Delta R.T. -0.00 min
 Lab File: BF078350.D
 Acq: 8 Apr 2015 22:56

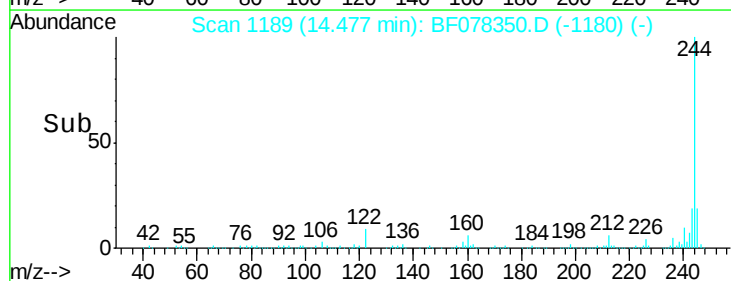
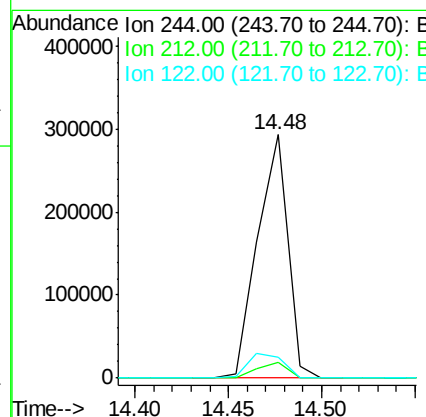
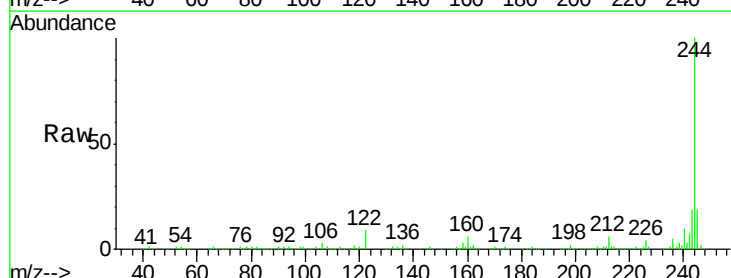
Instrument :
 BNA_F
 ClientSampleId :
 OUTFALL-2

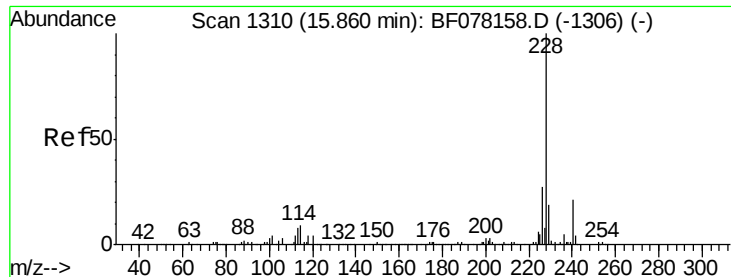
Tgt Ion: 202 Resp: 396013
 Ion Ratio Lower Upper
 202 100
 200 21.5 16.3 24.5
 203 25.7 13.8 20.6#



#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

Tgt Ion: 244 Resp: 327124
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.0 7.4
 122 8.6 7.1 10.7





#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

Instrument :

BNA_F

ClientSampleId :

OUTFALL-2

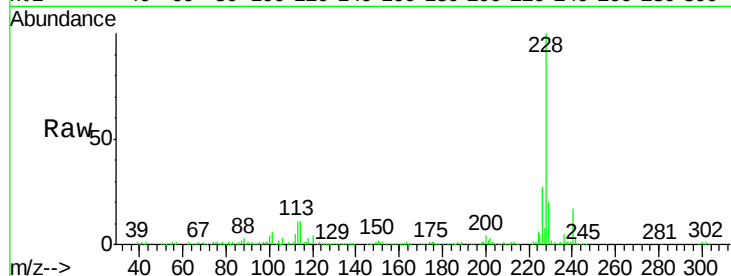
Tgt Ion:228 Resp: 227174

Ion Ratio Lower Upper

228 100

226 27.3 21.3 31.9

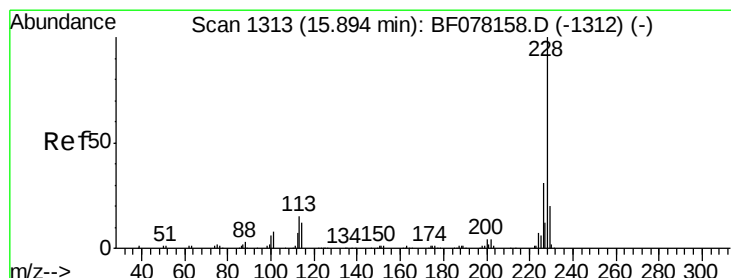
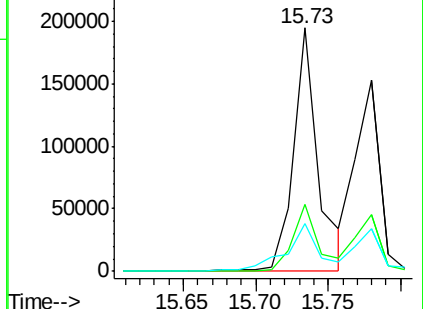
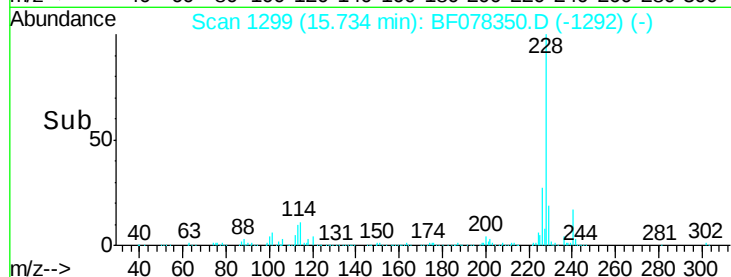
229 19.8 15.4 23.2



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

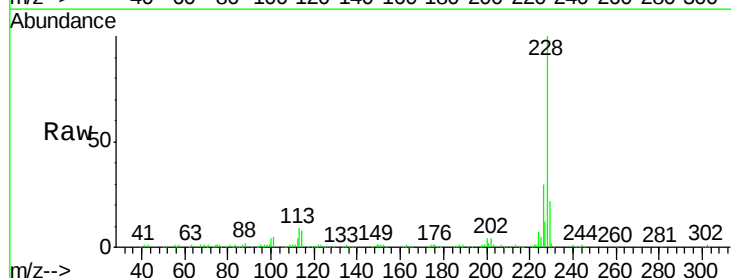
Tgt Ion:228 Resp: 176820

Ion Ratio Lower Upper

228 100

226 30.0 24.2 36.4

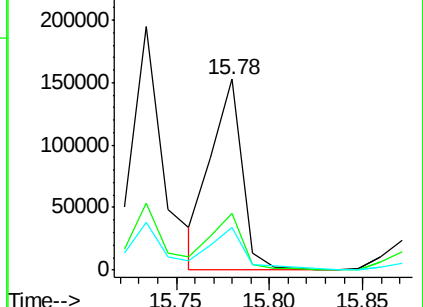
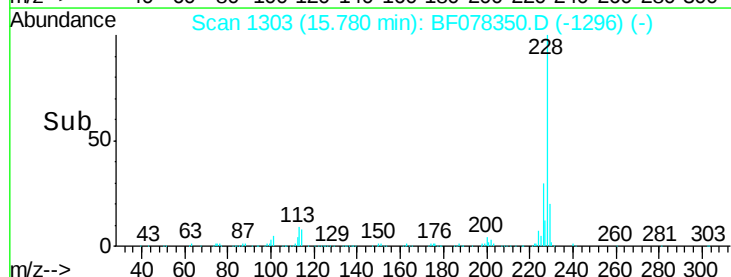
229 22.4 15.8 23.8

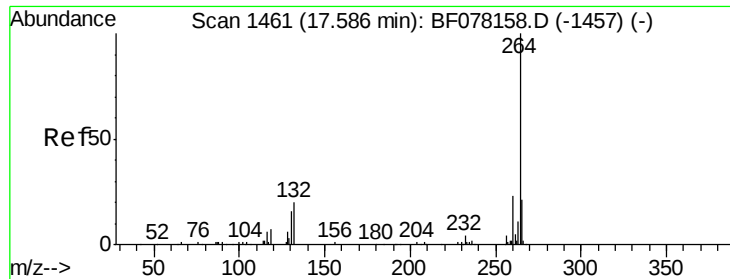


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

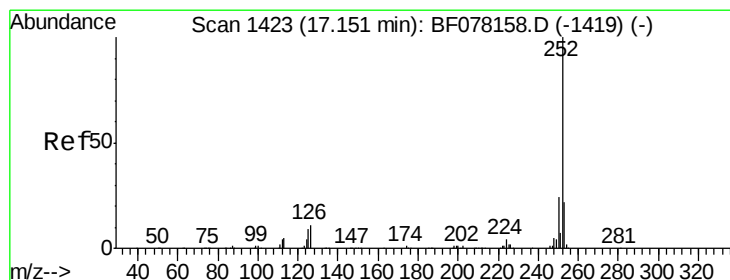
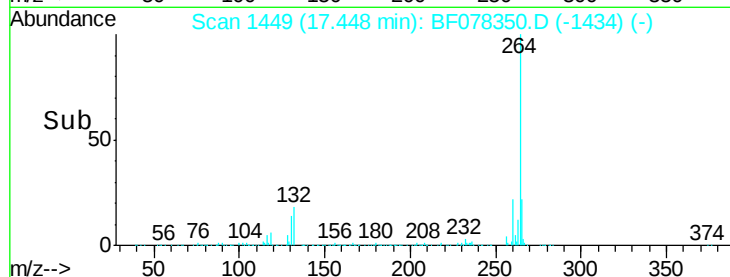
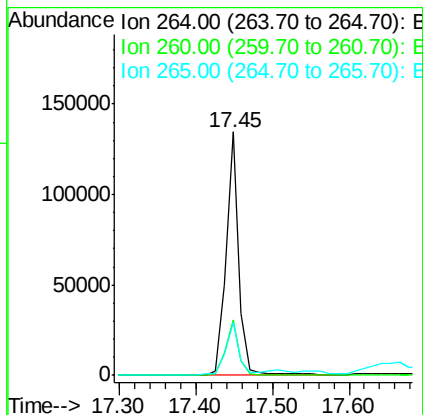
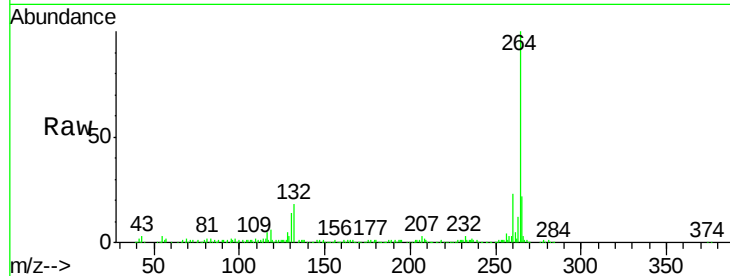




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.45 min Scan# 1449
Delta R.T. -0.13 min
Lab File: BF078350.D
Acq: 8 Apr 2015 22:56

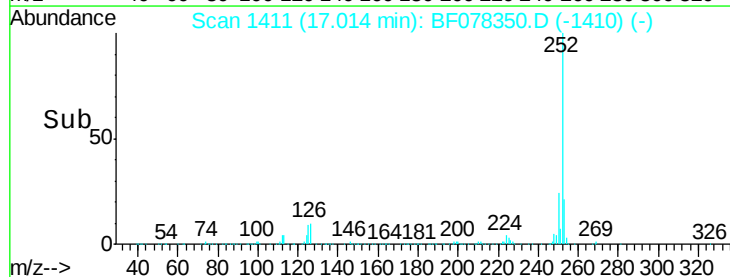
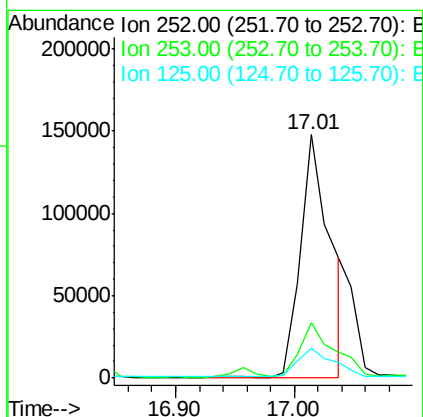
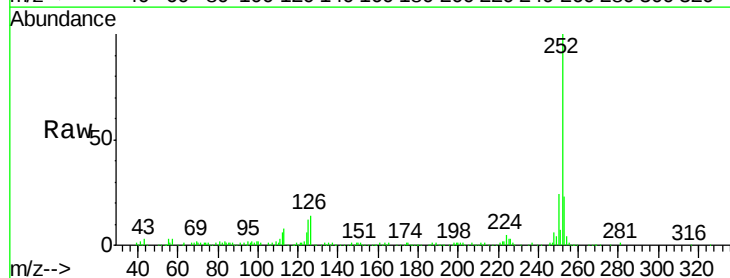
Instrument :
BNA_F
ClientSampleId :
OUTFALL-2

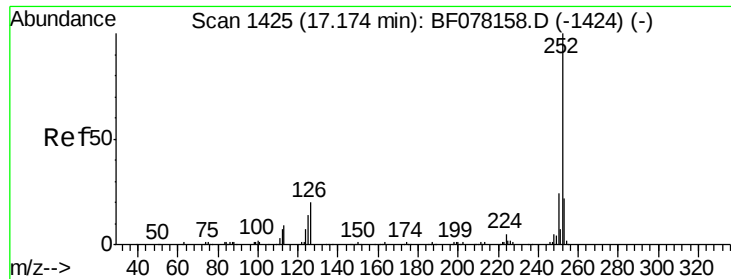
Tgt Ion:264 Resp: 159528
Ion Ratio Lower Upper
264 100
260 22.8 18.6 27.8
265 21.8 17.0 25.6



#87
Benzo(b)fluoranthene
Concen: 26.02 ng
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: 256555
Ion Ratio Lower Upper
252 100
253 23.0 17.2 25.8
125 12.4 7.0 10.4#

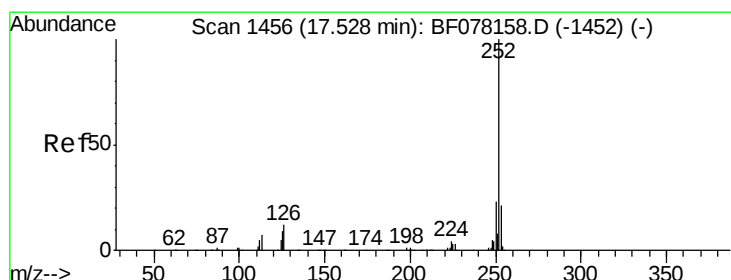
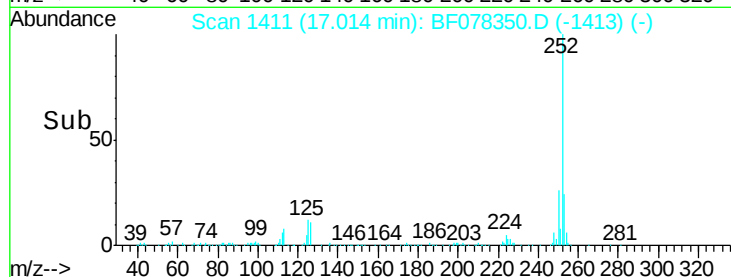
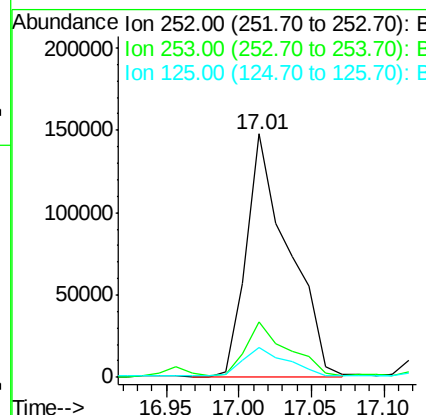
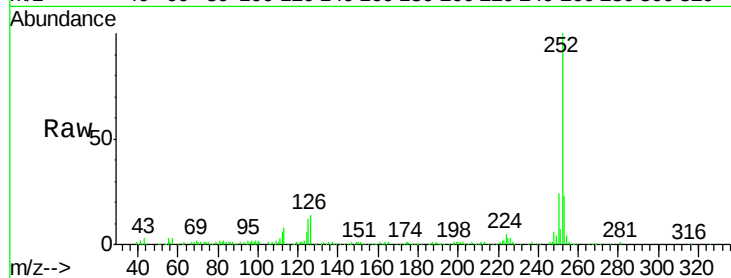




#88
Benzo(k)fluoranthene
Concen: 33.94 ng
RT: 17.01 min Scan# 1411
Delta R.T. -0.13 min
Lab File: BF078350.D
Acq: 8 Apr 2015 22:56

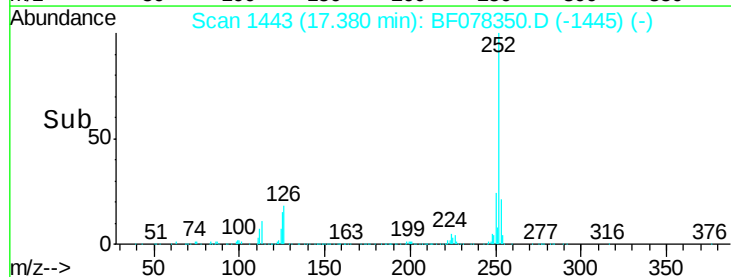
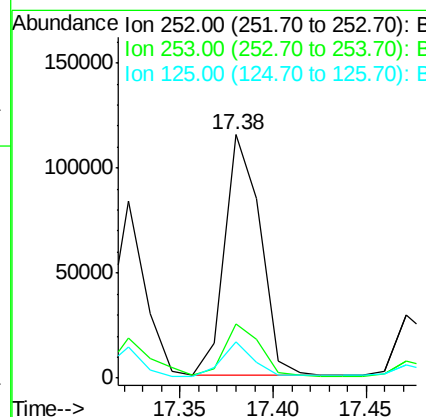
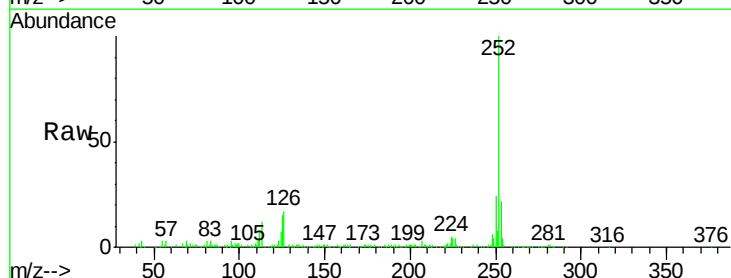
Instrument :
BNA_F
ClientSampleId :
OUTFALL-2

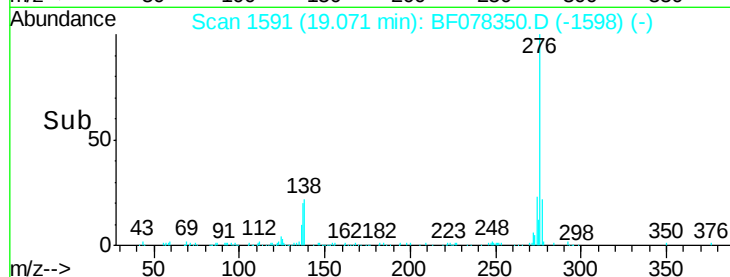
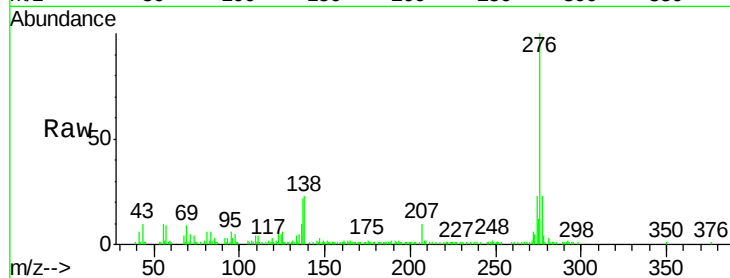
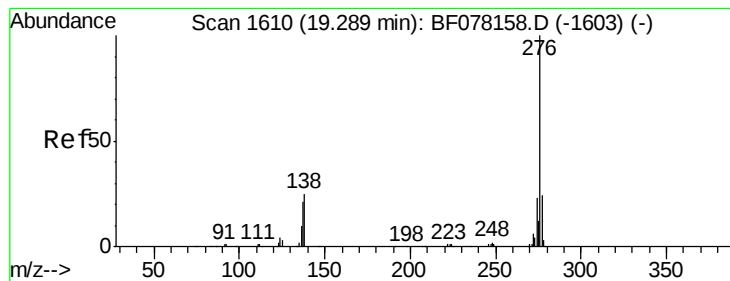
Tgt Ion:	252	Resp:	297405
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.5	26.3
125	12.4	11.6	17.4



#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#





#91

Benzo(g,h,i)perylene

Concen: 8.90 ng

RT: 19.07 min Scan# 1591

Delta R.T. -0.18 min

Lab File: BF078350.D

Acq: 8 Apr 2015 22:56

Instrument :

BNA_F

ClientSampleId :

OUTFALL-2

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

