

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040815\
 Data File : BF078351.D
 Acq On : 8 Apr 2015 23:25
 Operator : TP/IZ
 Sample : G1794-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OUTFALL-3

Quant Time: Apr 09 12:27:39 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

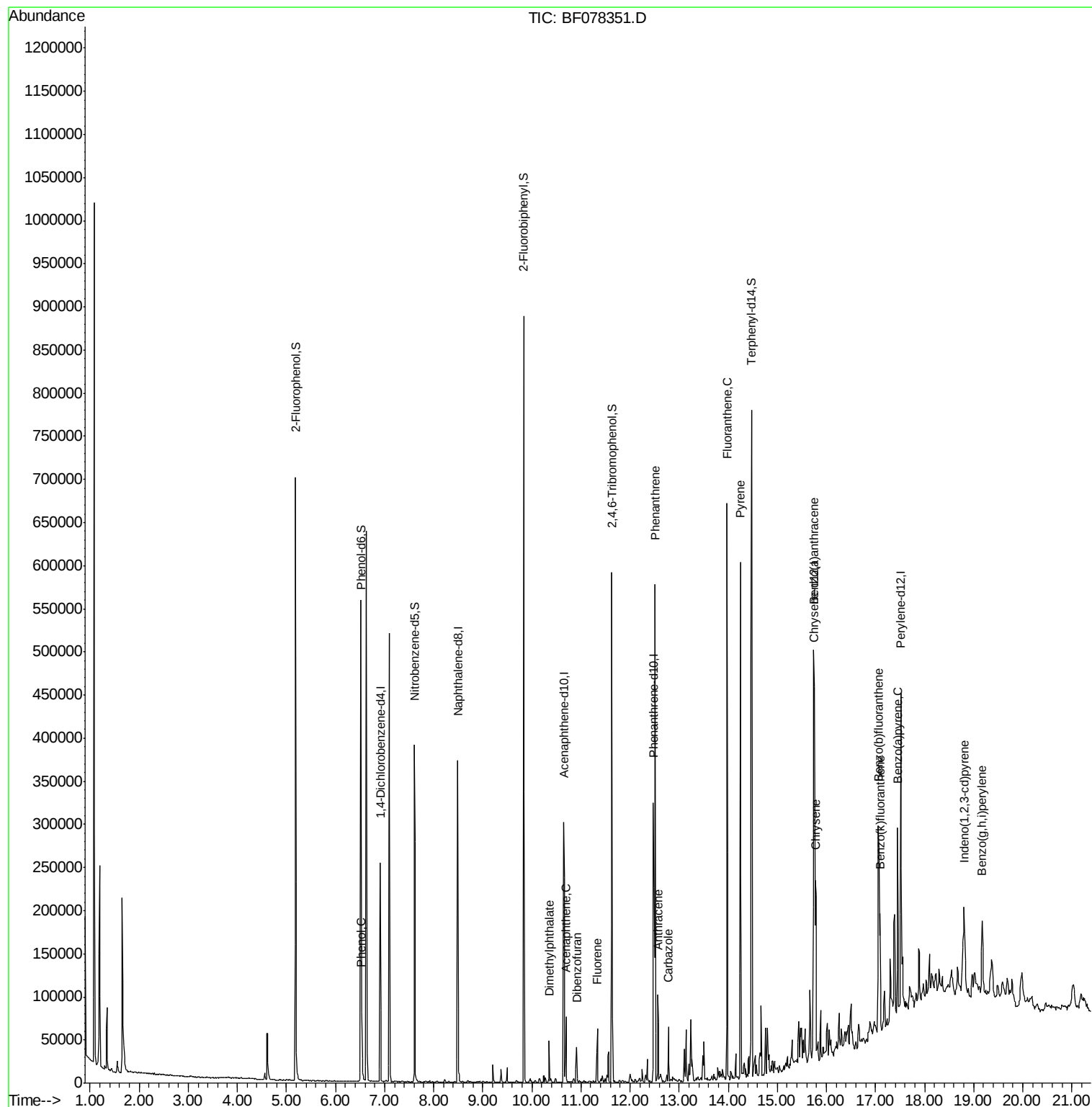
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	41670	20.00	ng	0.00
21) Naphthalene-d8	8.49	136	171116	20.00	ng	0.00
38) Acenaphthene-d10	10.65	164	83631	20.00	ng	0.00
63) Phenanthrene-d10	12.48	188	162229	20.00	ng	0.00
75) Chrysene-d12	15.76	240	177133	20.00	ng	-0.01
86) Perylene-d12	17.52	264	166815	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	235372	93.13	ng	0.01
7) Phenol-d6	6.52	99	302593	95.54	ng	0.01
23) Nitrobenzene-d5	7.61	82	166859	59.11	ng	0.00
41) 2,4,6-Tribromophenol	11.63	330	67837	97.80	ng	0.00
44) 2-Fluorobiphenyl	9.84	172	311206	53.19	ng	0.00
78) Terphenyl-d14	14.48	244	318323	40.61	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.53	94	10994	2.90	ng	96
49) Dimethylphthalate	10.35	163	21035	3.35	ng	98
51) Acenaphthene	10.69	154	18800	3.84	ng	98
54) Dibenzofuran	10.91	168	19868	2.66	ng	91
57) Fluorene	11.33	166	22104	3.65	ng	99
70) Phenanthrene	12.51	178	228584	24.36	ng	100
71) Anthracene	12.57	178	54800	5.93	ng	99
72) Carbazole	12.78	167	29115	3.36	ng	97
74) Fluoranthene	13.97	202	303403	30.66	ng	98
77) Pyrene	14.25	202	248862	22.38	ng	# 92
80) Benzo(a)anthracene	15.75	228	126402m	11.99	ng	
82) Chrysene	15.79	228	121485m	12.27	ng	
85) Indeno(1,2,3-cd)pyrene	18.81	276	62277m	5.54	ng	
87) Benzo(b)fluoranthene	17.06	252	147266m	14.28	ng	
88) Benzo(k)fluoranthene	17.09	252	51035m	5.57	ng	
89) Benzo(a)pyrene	17.45	252	97290	10.81	ng	# 93
91) Benzo(a,h,i)perylene	19.17	276	54579	6.04	ng	97

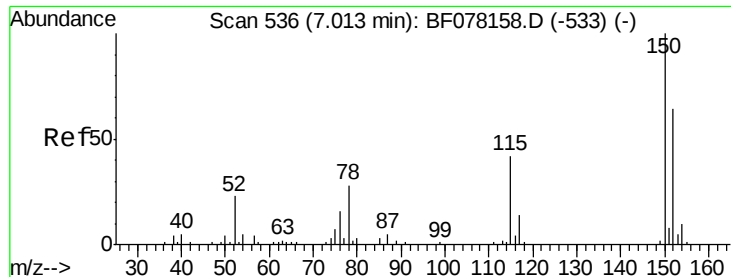
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040815\
Data File : BF078351.D
Acq On : 8 Apr 2015 23:25
Operator : TP/IZ
Sample : G1794-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OUTFALL-3

Quant Time: Apr 09 12:27:39 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



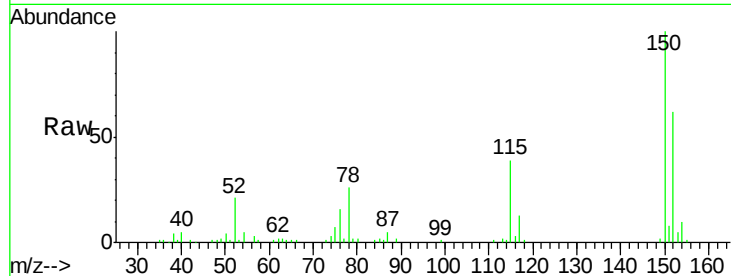


#1

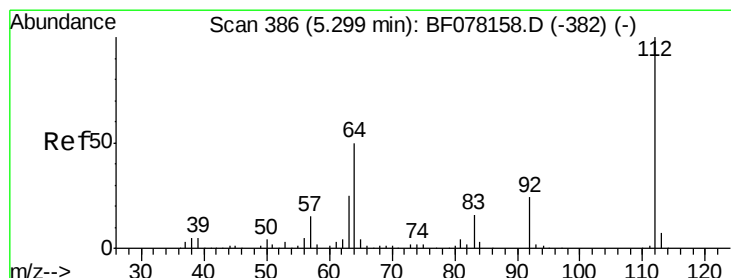
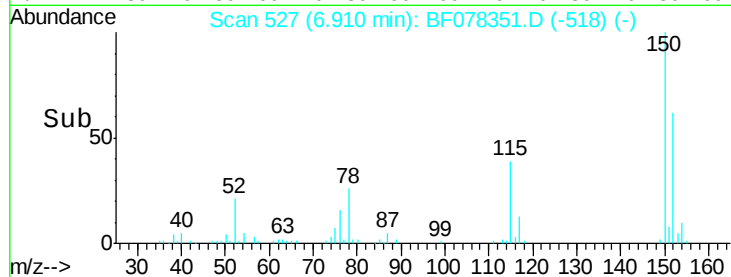
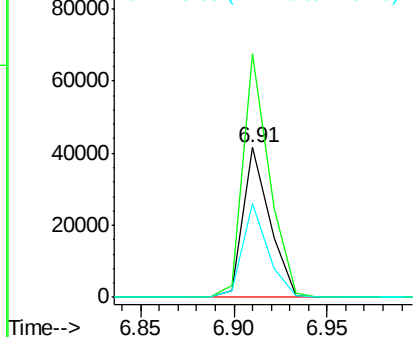
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.91 min Scan# 527
Delta R.T. -0.00 min
Lab File: BF078351.D
Acq: 8 Apr 2015 23:25

Instrument :
BNA_F
ClientSampleId :
OUTFALL-3

Tot Ion:152 Resp: 41670
Ion Ratio Lower Upper
152 100
150 162.3 125.9 188.9
115 62.7 52.7 79.1



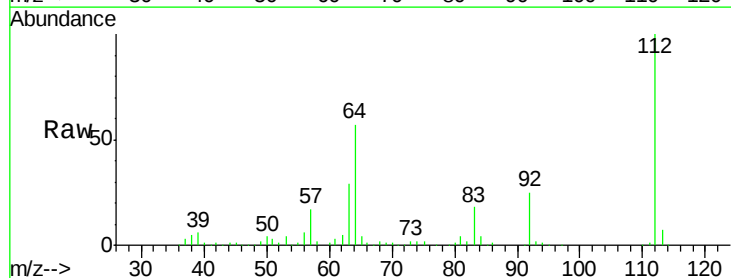
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



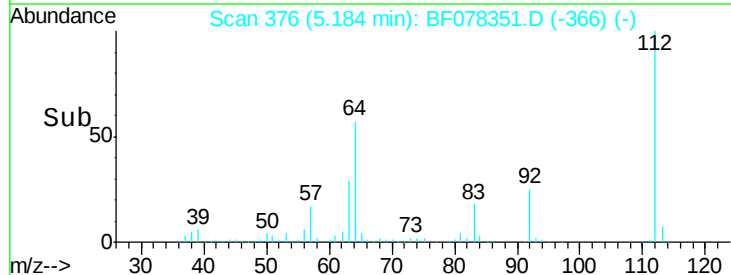
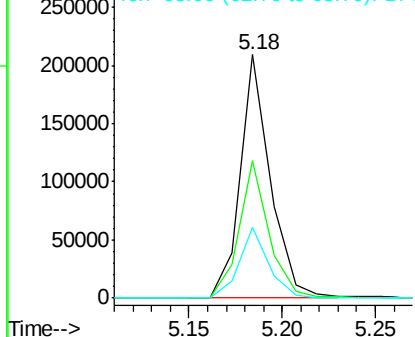
#5

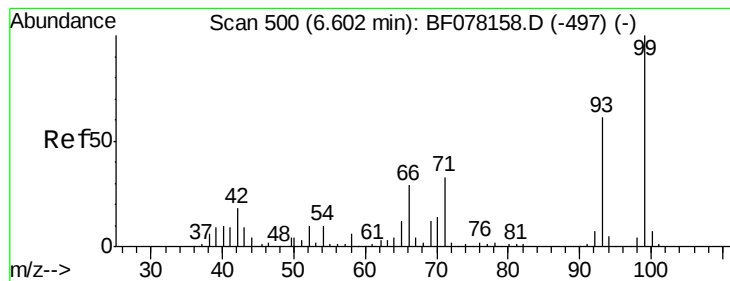
2-Fluorophenol
Concen: 93.13 ng
RT: 5.18 min Scan# 376
Delta R.T. 0.01 min
Lab File: BF078351.D
Acq: 8 Apr 2015 23:25

Tgt Ion:112 Resp: 235372
Ion Ratio Lower Upper
112 100
64 56.5 39.9 59.9
63 28.9 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: 95.54 ng

RT: 6.52 min Scan# 493

Delta R.T. 0.01 min

Lab File: BF078351.D

Acq: 8 Apr 2015 23:25

Instrument :

BNA_F

ClientSampleId :

OUTFALL-3

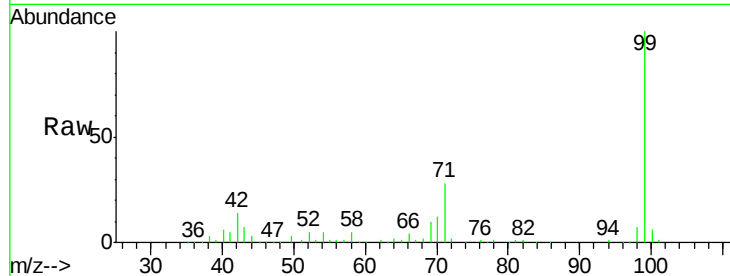
Tot Ion: 99 Resp: 302593

Ion Ratio Lower Upper

99 100

42 13.8 14.8 22.2#

71 28.3 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

250000

200000

150000

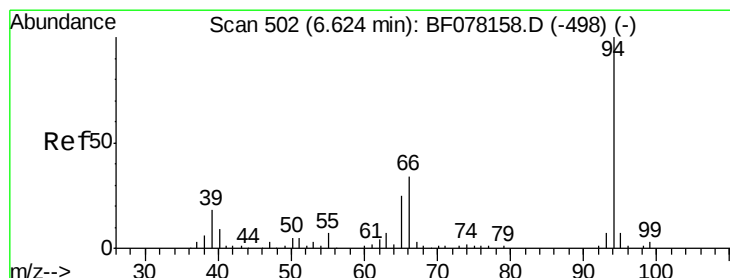
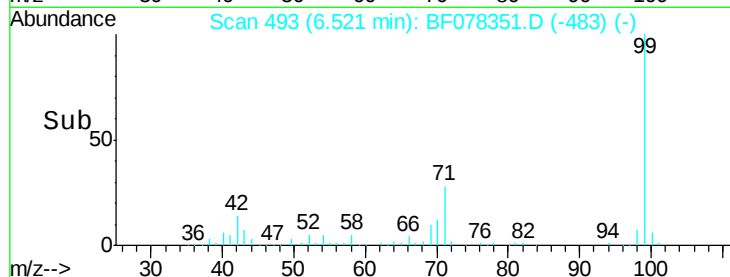
100000

50000

0

6.45 6.50 6.55 6.60

Time-->



#10

Phenol

Concen: 2.90 ng

RT: 6.53 min Scan# 494

Delta R.T. 0.01 min

Lab File: BF078351.D

Acq: 8 Apr 2015 23:25

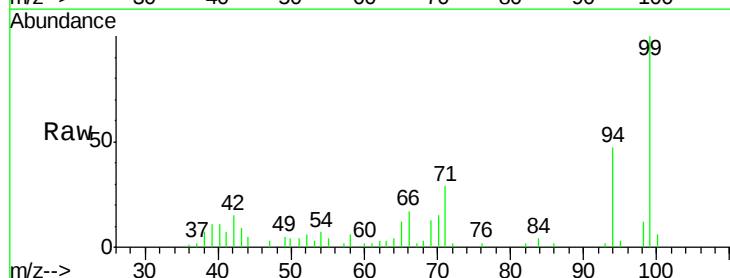
Tgt Ion: 94 Resp: 10994

Ion Ratio Lower Upper

94 100

65 26.4 4.9 44.9

66 36.4 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

60000

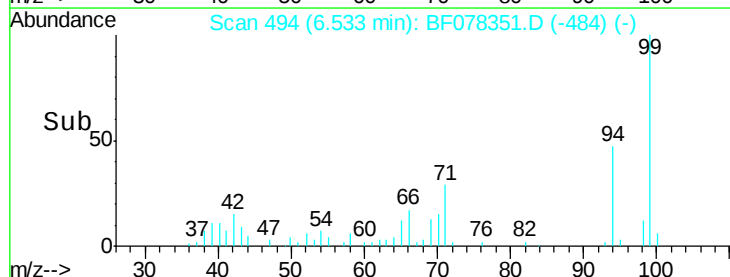
40000

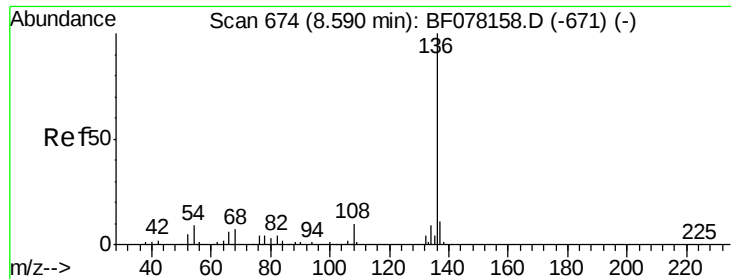
20000

0

6.50 6.55 6.60

Time-->

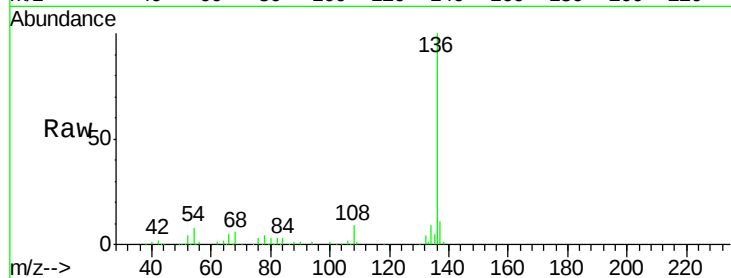




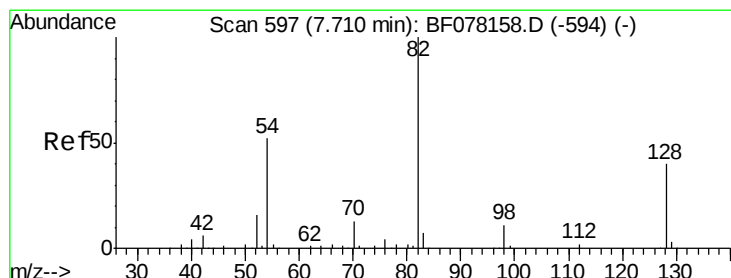
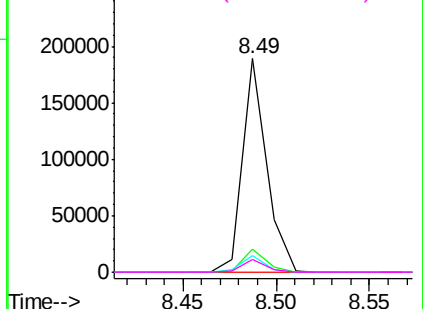
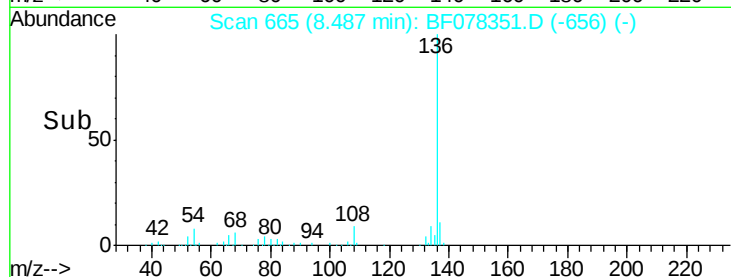
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.49 min Scan# 665
Delta R.T. -0.00 min
Lab File: BF078351.D
Acq: 8 Apr 2015 23:25

Instrument :
BNA_F
ClientSampleId :
OUTFALL-3

Tot Ion:136	Resp:	171116
Ion Ratio	Lower	Upper
136	100	
137	10.6	9.0 13.4
54	7.8	7.0 10.6
68	6.3	5.4 8.2

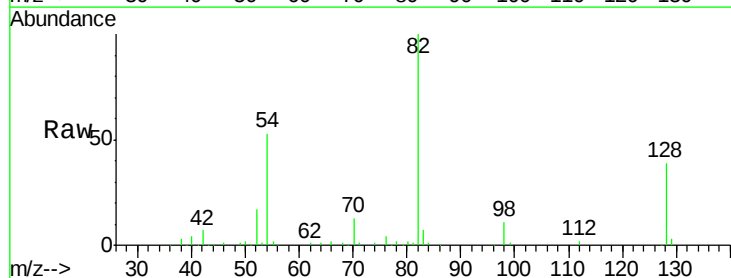


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

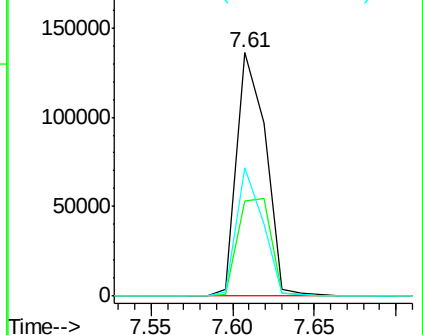
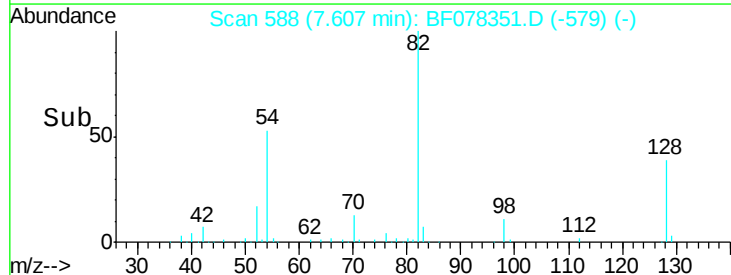


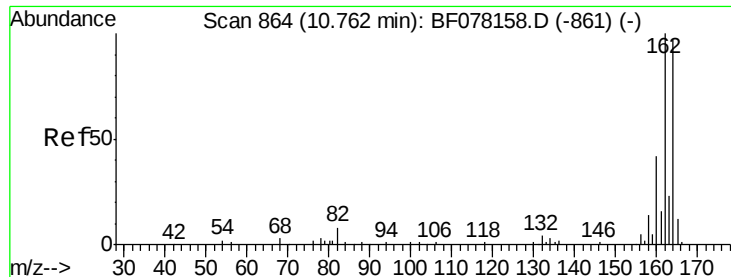
#23
Nitrobenzene-d5
Concen: 59.11 ng
RT: 7.61 min Scan# 588
Delta R.T. -0.00 min
Lab File: BF078351.D
Acq: 8 Apr 2015 23:25

Tgt Ion: 82	Resp:	166859
Ion Ratio	Lower	Upper
82	100	
128	39.0	31.8 47.8
54	52.8	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

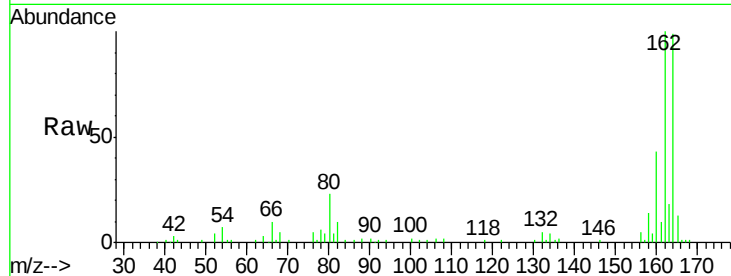




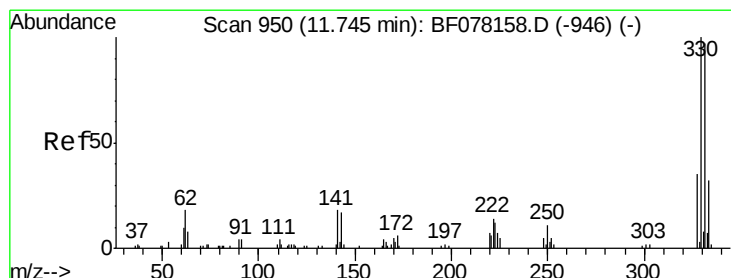
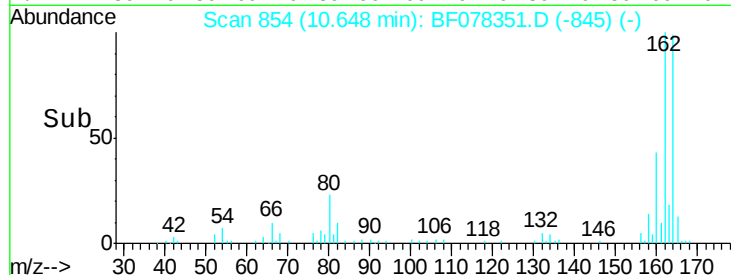
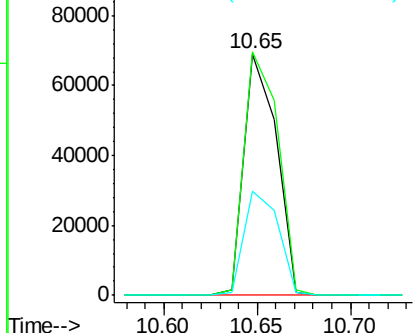
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.65 min Scan# 854
 Delta R.T. -0.00 min
 Lab File: BF078351.D
 Acq: 8 Apr 2015 23:25

Instrument :
 BNA_F
 ClientSampleId :
 OUTFALL-3

Tot Ion:164 Resp: 83631
 Ion Ratio Lower Upper
 164 100
 162 100.7 82.2 123.2
 160 43.3 34.7 52.1

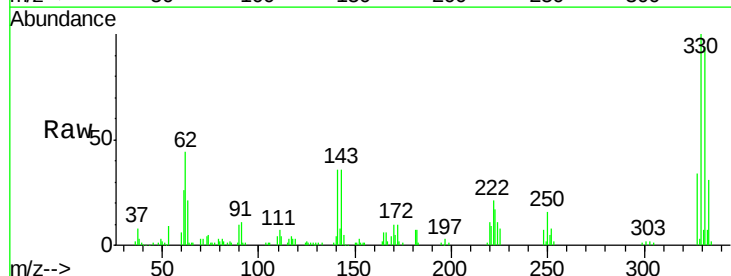


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

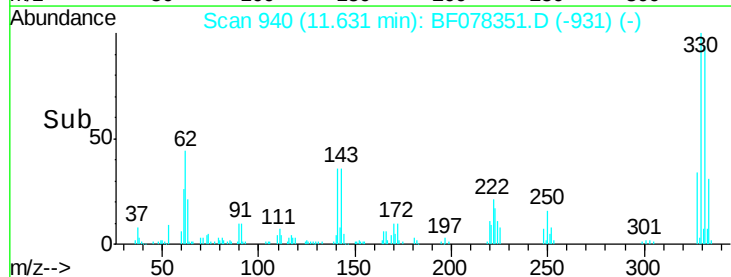
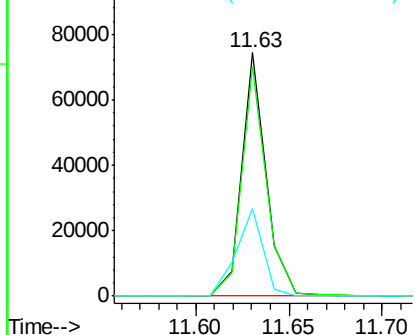


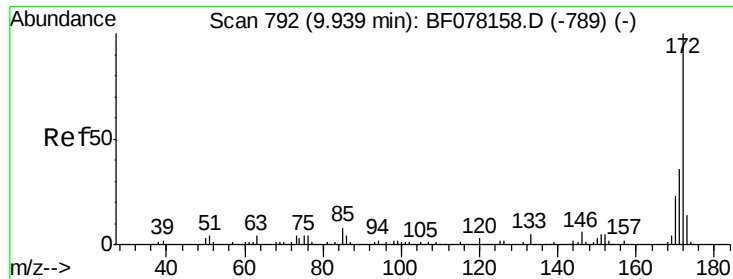
#41
 2,4,6-Tribromophenol
 Concen: 97.80 ng
 RT: 11.63 min Scan# 940
 Delta R.T. -0.00 min
 Lab File: BF078351.D
 Acq: 8 Apr 2015 23:25

Tgt Ion:330 Resp: 67837
 Ion Ratio Lower Upper
 330 100
 332 95.7 78.6 117.8
 141 39.3 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

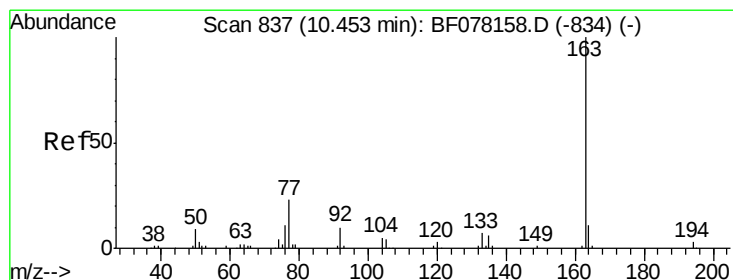
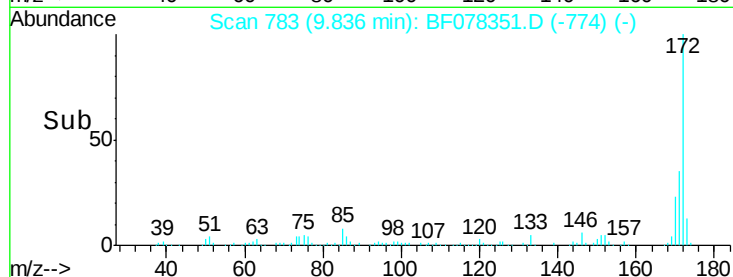
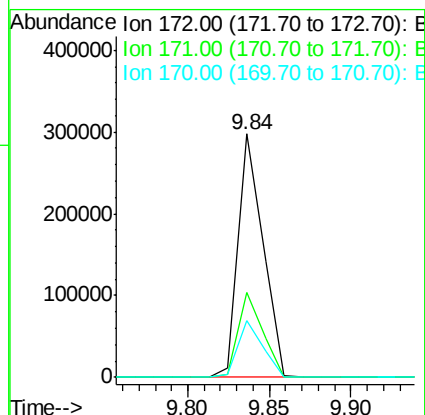
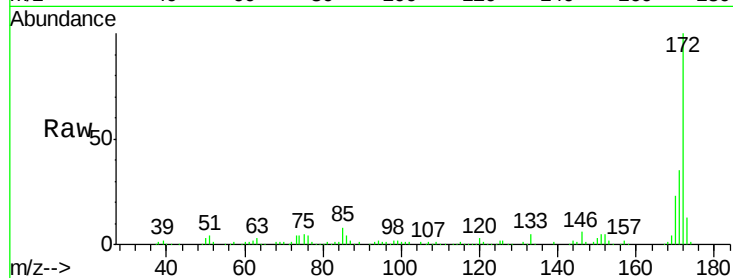




#44
2-Fluorobiphenyl
Concen: 53.19 ng
RT: 9.84 min Scan# 783
Delta R.T. -0.00 min
Lab File: BF078351.D
Acq: 8 Apr 2015 23:25

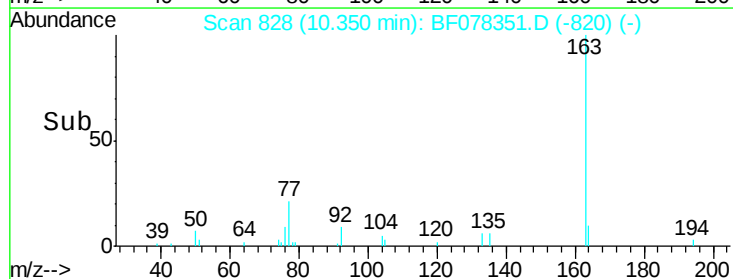
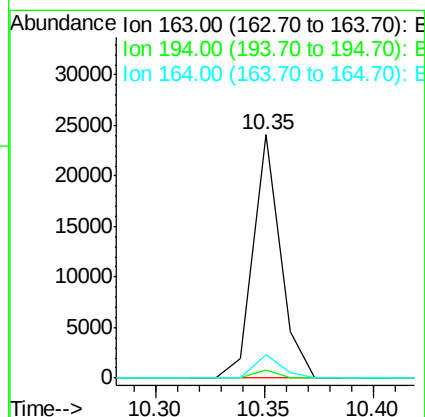
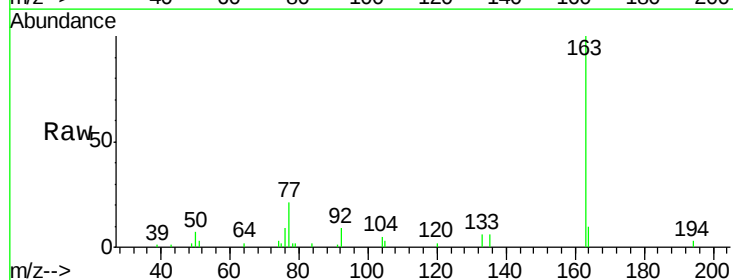
Instrument :
BNA_F
ClientSampleId :
OUTFALL-3

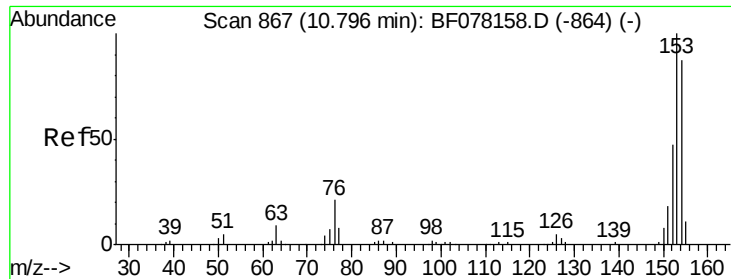
Tot Ion:172 Resp: 311206
Ion Ratio Lower Upper
172 100
171 35.1 28.6 42.8
170 23.3 18.5 27.7



#49
Dimethylphthalate
Concen: 3.35 ng
RT: 10.35 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF078351.D
Acq: 8 Apr 2015 23:25

Tgt Ion:163 Resp: 21035
Ion Ratio Lower Upper
163 100
194 3.4 2.3 3.5
164 9.8 8.6 13.0





#51

Acenaphthene

Concen: 3.84 ng

RT: 10.69 min Scan# 858

Delta R.T. -0.00 min

Lab File: BF078351.D

Acq: 8 Apr 2015 23:25

Instrument :

BNA_F

ClientSampleId :

OUTFALL-3

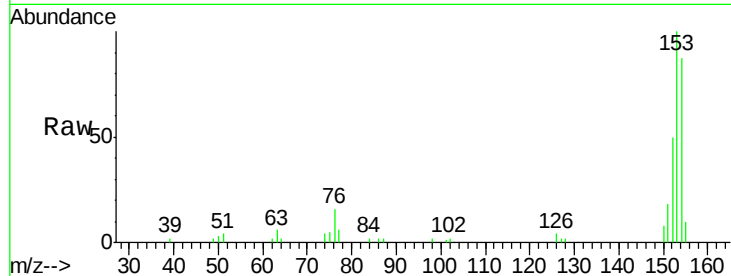
Tot Ion:154 Resp: 18800

Ion Ratio Lower Upper

154 100

153 115.4 91.4 137.2

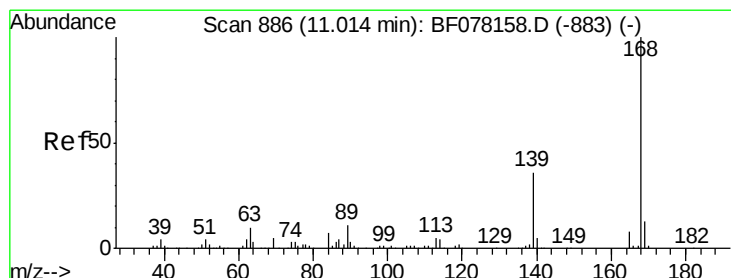
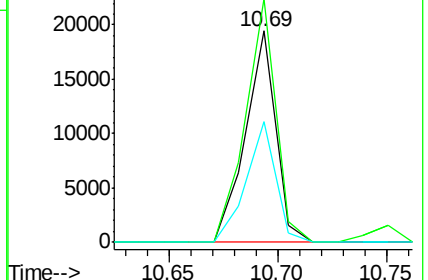
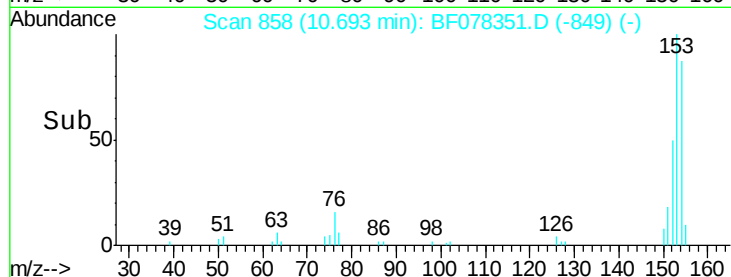
152 57.4 43.0 64.6



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: 2.66 ng

RT: 10.91 min Scan# 877

Delta R.T. -0.00 min

Lab File: BF078351.D

Acq: 8 Apr 2015 23:25

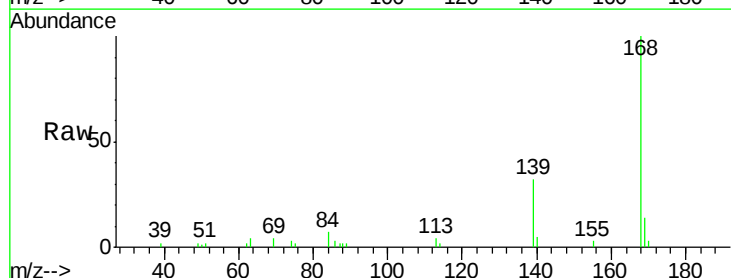
Tgt Ion:168 Resp: 19868

Ion Ratio Lower Upper

168 100

139 32.0 31.0 46.4

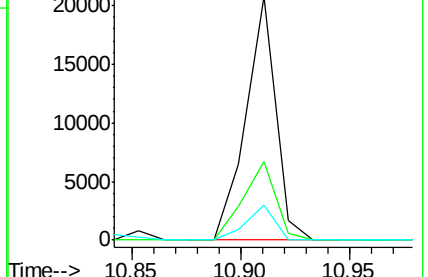
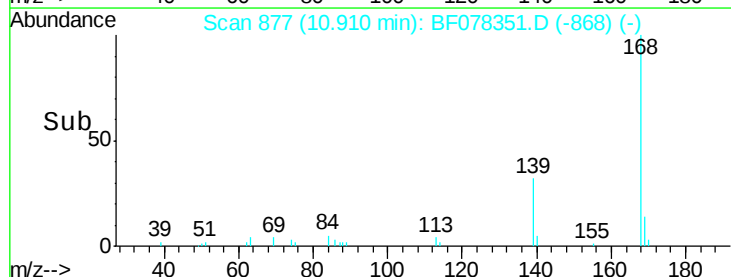
169 14.3 10.7 16.1

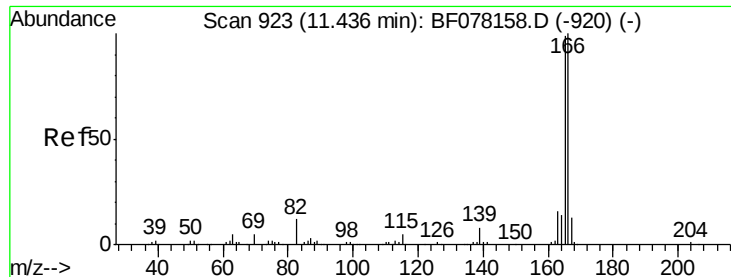


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

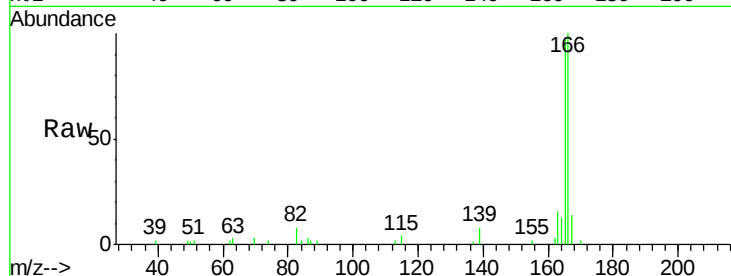




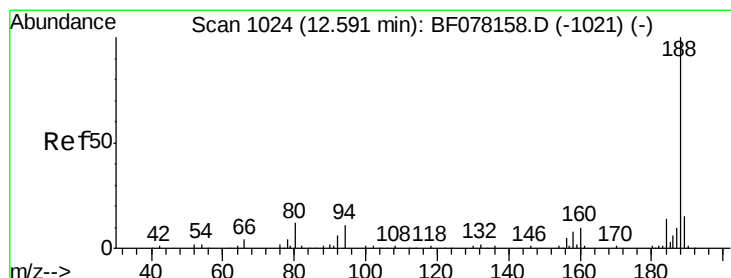
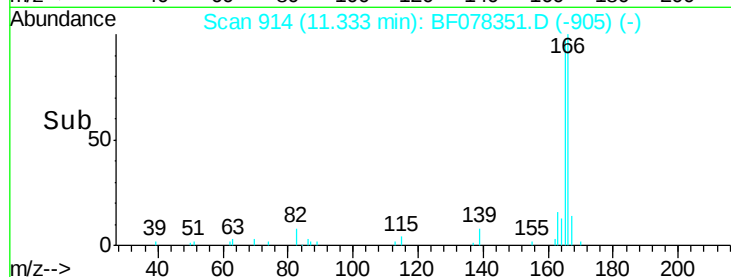
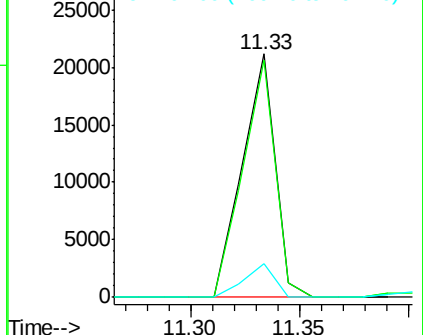
#57
 Fluorene
 Concen: 3.65 ng
 RT: 11.33 min Scan# 914
 Delta R.T. -0.00 min
 Lab File: BF078351.D
 Acq: 8 Apr 2015 23:25

Instrument :
 BNA_F
 ClientSampleId :
 OUTFALL-3

Tot Ion:166 Resp: 22104
 Ion Ratio Lower Upper
 166 100
 165 97.3 78.9 118.3
 167 14.0 10.7 16.1

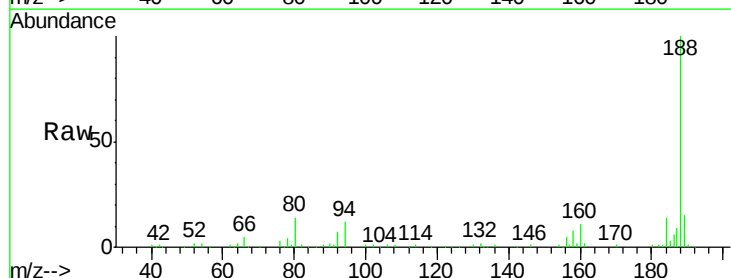


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

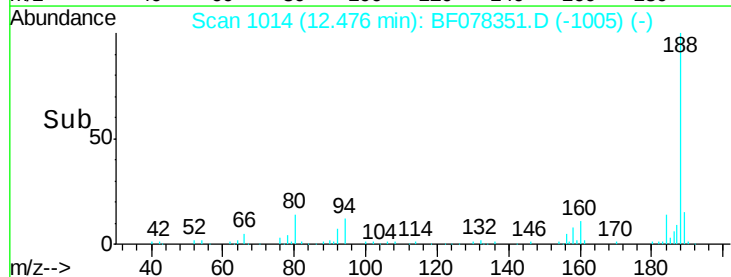
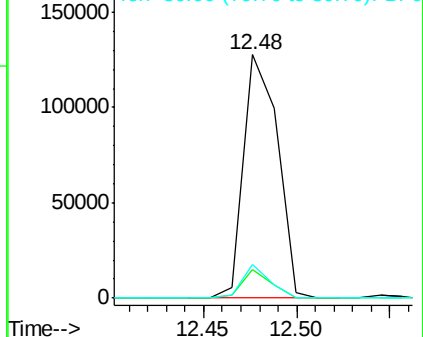


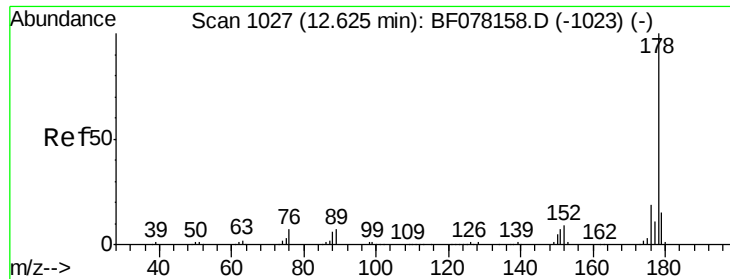
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.48 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: BF078351.D
 Acq: 8 Apr 2015 23:25

Tgt Ion:188 Resp: 162229
 Ion Ratio Lower Upper
 188 100
 94 11.9 9.0 13.4
 80 14.0 9.5 14.3



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

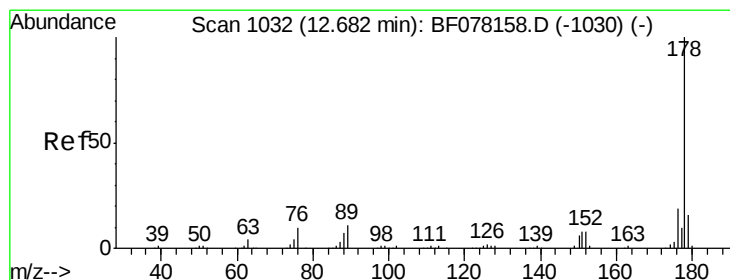
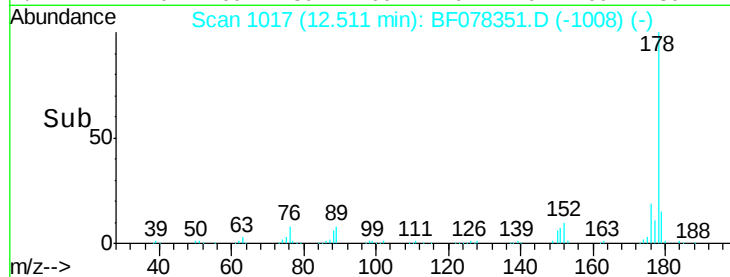
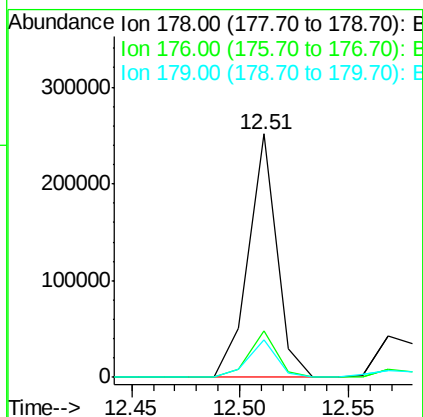
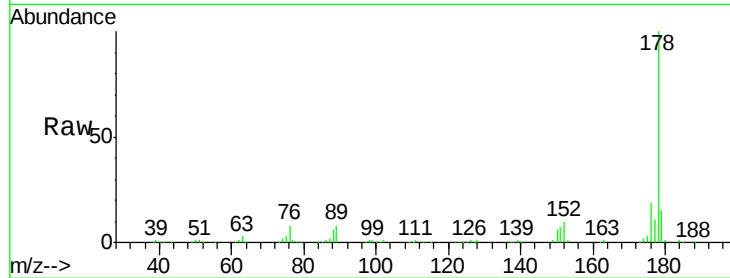




#70
 Phenanthrene
 Concen: 24.36 ng
 RT: 12.51 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: BF078351.D
 Acq: 8 Apr 2015 23:25

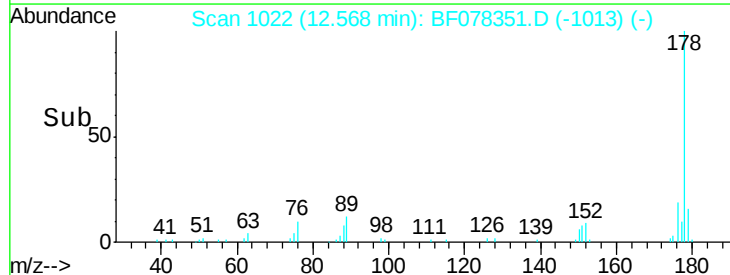
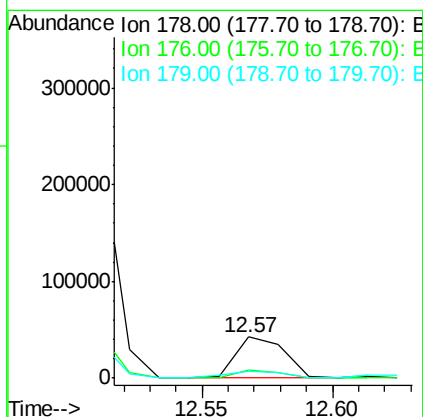
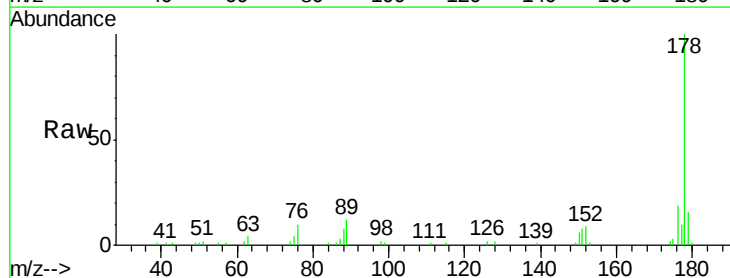
Instrument :
 BNA_F
 ClientSampleId :
 OUTFALL-3

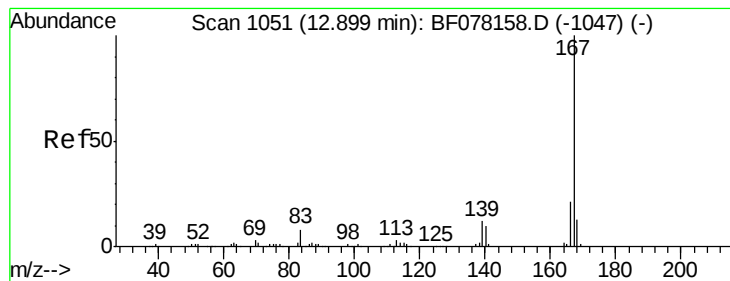
Tot Ion:178 Resp: 228584
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.4 23.0
 179 15.2 12.2 18.2



#71
 Anthracene
 Concen: 5.93 ng
 RT: 12.57 min Scan# 1022
 Delta R.T. -0.00 min
 Lab File: BF078351.D
 Acq: 8 Apr 2015 23:25

Tgt Ion:178 Resp: 54800
 Ion Ratio Lower Upper
 178 100
 176 19.0 14.8 22.2
 179 16.0 12.4 18.6





#72

Carbazole

Concen: 3.36 ng

RT: 12.78 min Scan# 1041

Delta R.T. -0.00 min

Lab File: BF078351.D

Acq: 8 Apr 2015 23:25

Instrument :

BNA_F

ClientSampleId :

OUTFALL-3

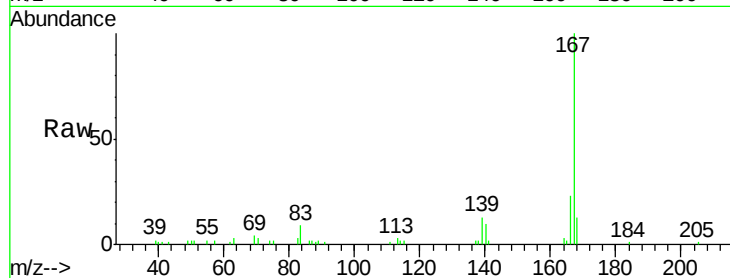
Tot Ion:167 Resp: 29115

Ion Ratio Lower Upper

167 100

166 22.6 16.8 25.2

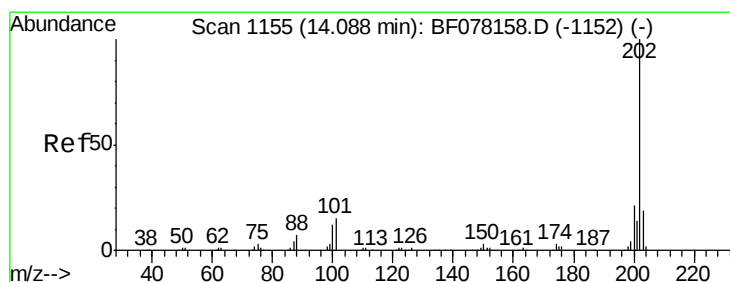
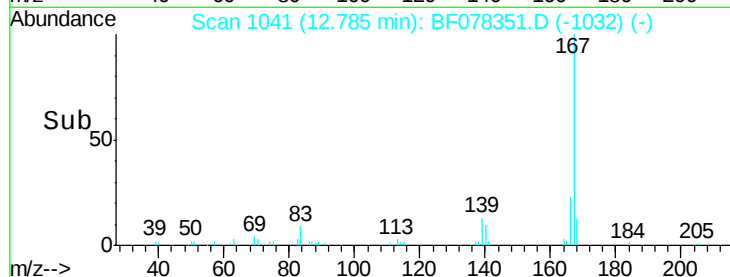
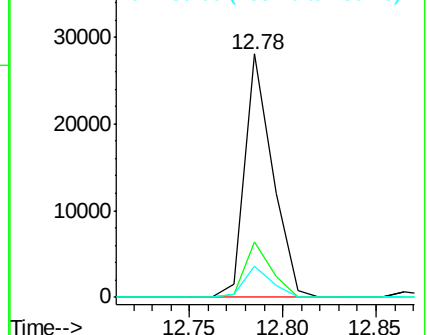
139 13.0 10.0 15.0



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: 30.66 ng

RT: 13.97 min Scan# 1145

Delta R.T. -0.00 min

Lab File: BF078351.D

Acq: 8 Apr 2015 23:25

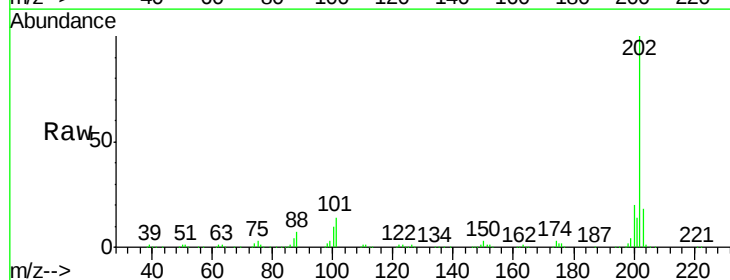
Tgt Ion:202 Resp: 303403

Ion Ratio Lower Upper

202 100

101 14.0 0.0 35.2

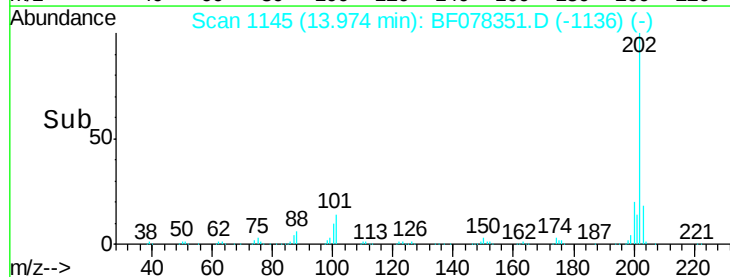
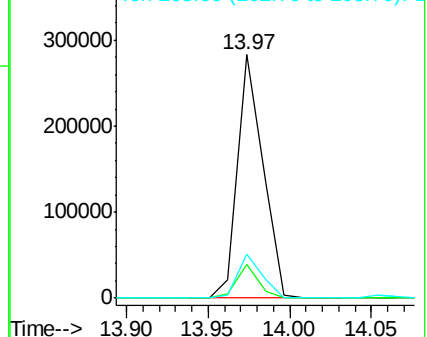
203 17.8 0.0 38.5

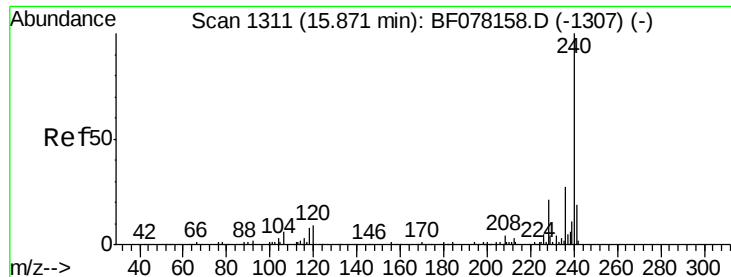


Abundance Ion 202.00 (201.70 to 202.70): E

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: 15.76 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BF078351.D

Acq: 8 Apr 2015 23:25

Instrument :

BNA_F

ClientSampleId :

OUTFALL-3

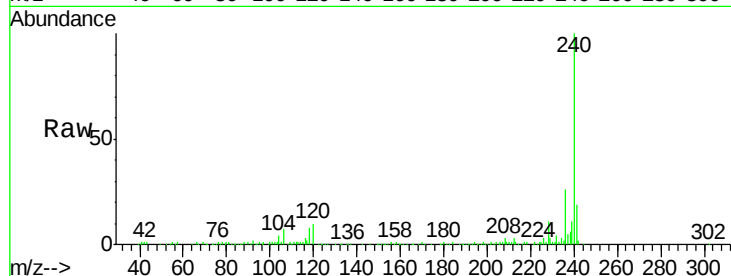
Tot Ion:240 Resp: 177133

Ion Ratio Lower Upper

240 100

120 9.8 7.1 10.7

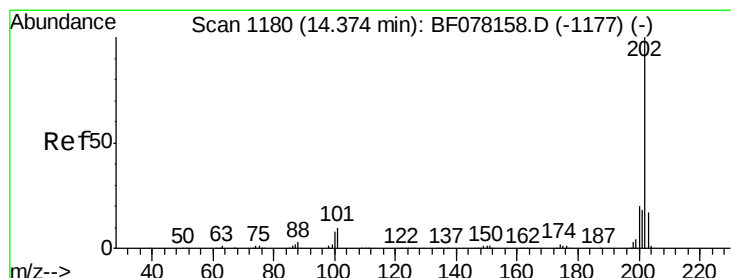
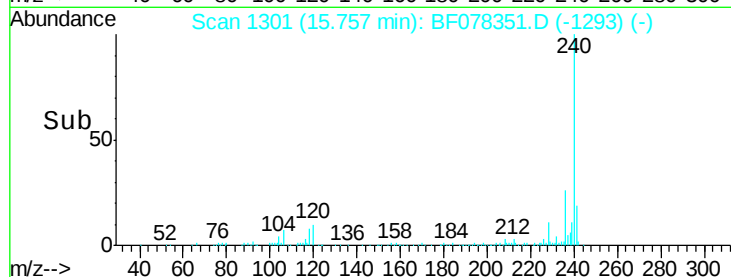
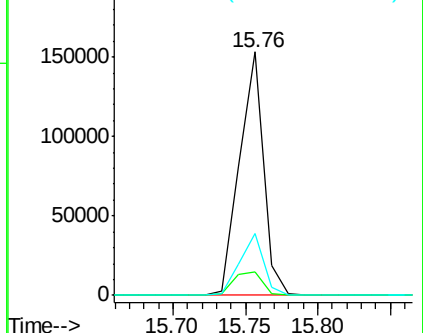
236 25.6 21.4 32.2



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: 22.38 ng

RT: 14.25 min Scan# 1169

Delta R.T. -0.00 min

Lab File: BF078351.D

Acq: 8 Apr 2015 23:25

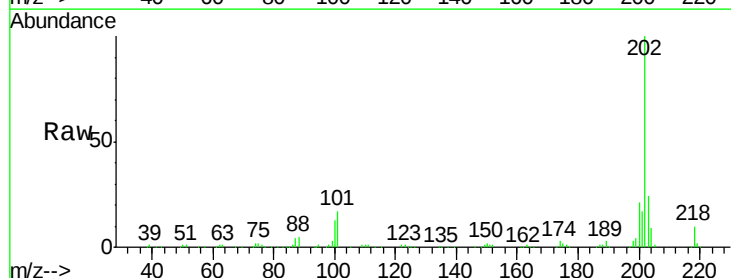
Tgt Ion:202 Resp: 248862

Ion Ratio Lower Upper

202 100

200 21.2 16.3 24.5

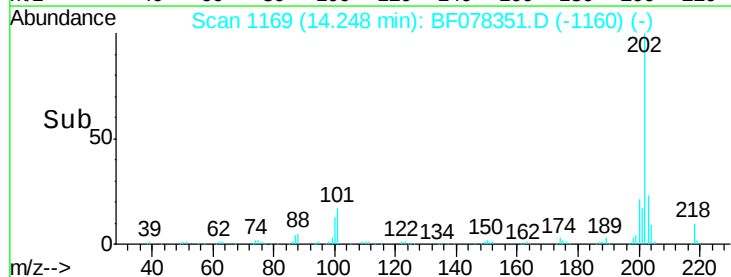
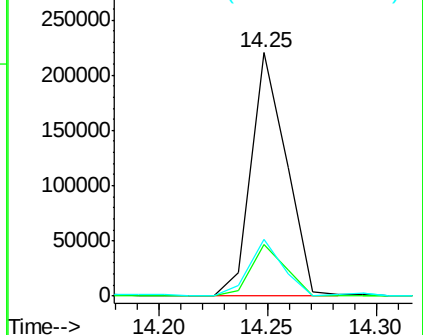
203 23.5 13.8 20.6#

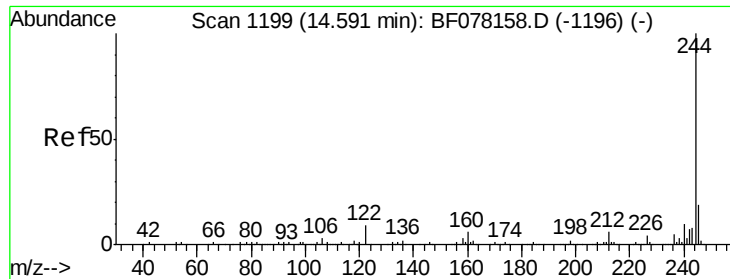


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 40.61 ng

RT: 14.48 min Scan# 1189

Delta R.T. -0.00 min

Lab File: BF078351.D

Acq: 8 Apr 2015 23:25

Instrument :

BNA_F

ClientSampleId :

OUTFALL-3

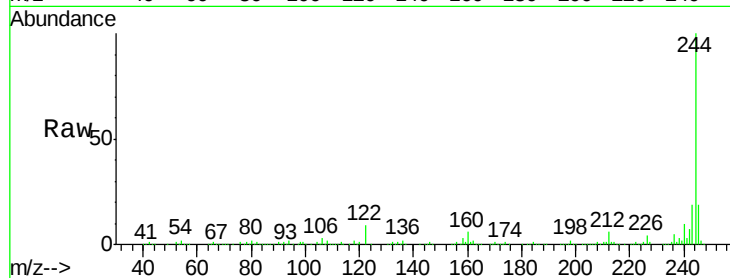
Tot Ion:244 Resp: 318323

Ion Ratio Lower Upper

244 100

212 6.4 5.0 7.4

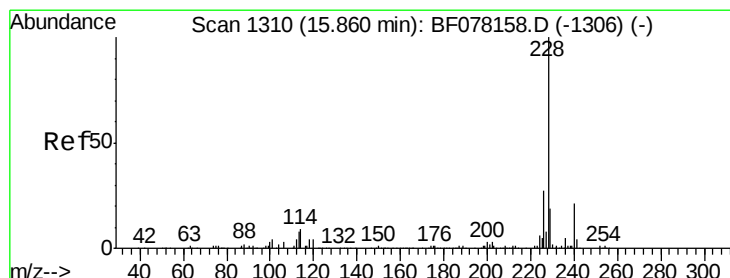
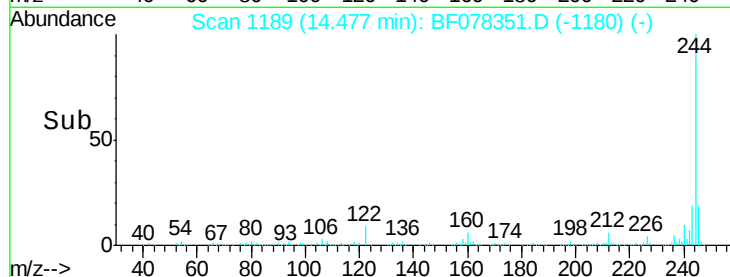
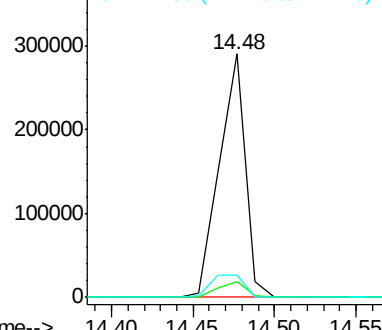
122 9.1 7.1 10.7



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: 11.99 ng m

RT: 15.75 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF078351.D

Acq: 8 Apr 2015 23:25

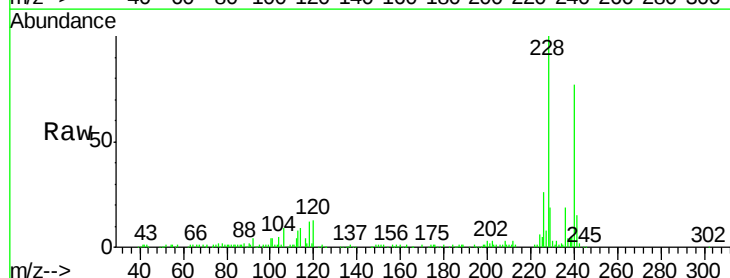
Tgt Ion:228 Resp: 126402

Ion Ratio Lower Upper

228 100

226 26.5 21.3 31.9

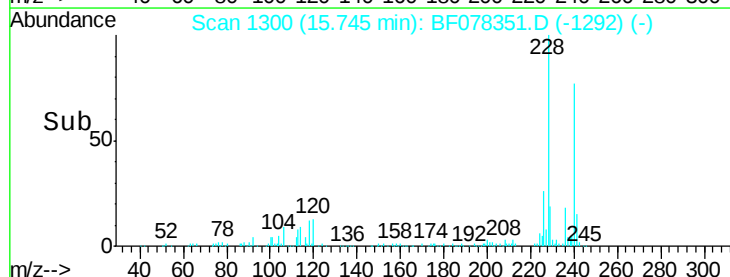
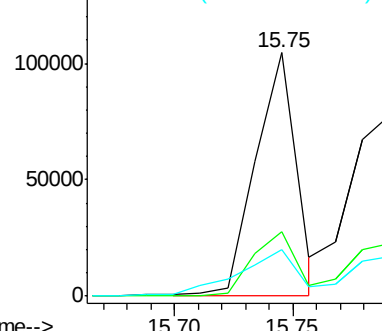
229 19.3 15.4 23.2

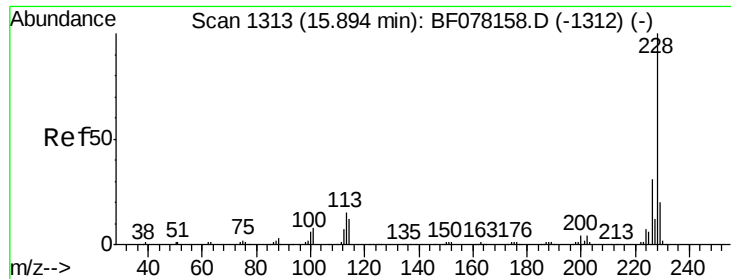


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

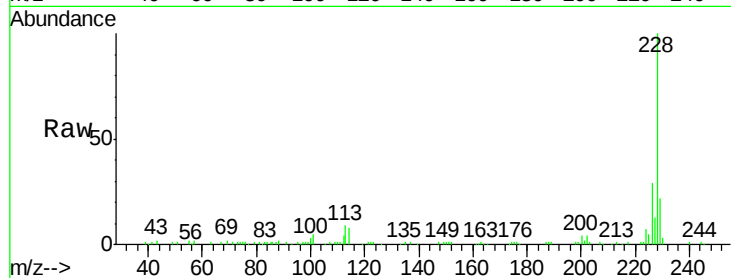




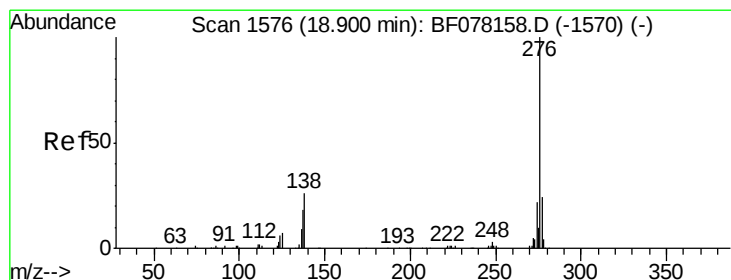
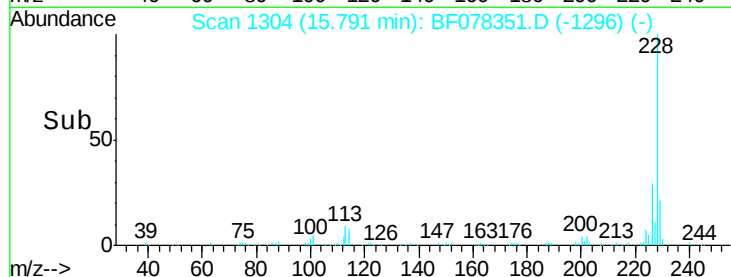
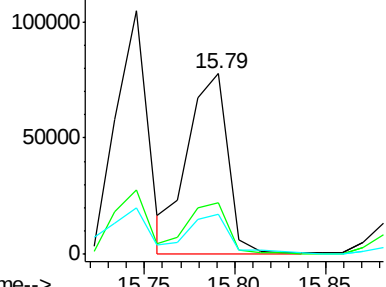
#82
Chrysene
Concen: 12.27 ng m
RT: 15.79 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF078351.D
Acq: 8 Apr 2015 23:25

Instrument :
BNA_F
ClientSampled :
OUTFALL-3

Tot Ion:228 Resp: 121485
Ion Ratio Lower Upper
228 100
226 28.9 24.2 36.4
229 22.1 15.8 23.8

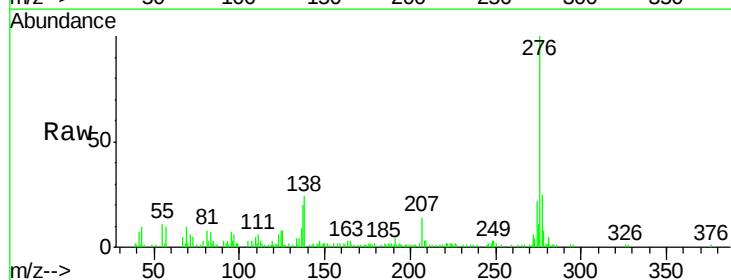


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

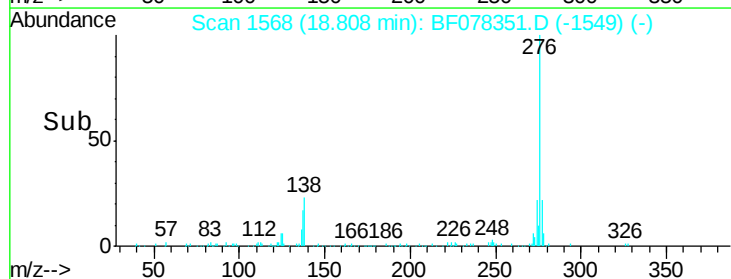
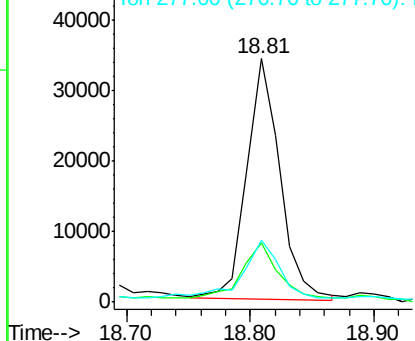


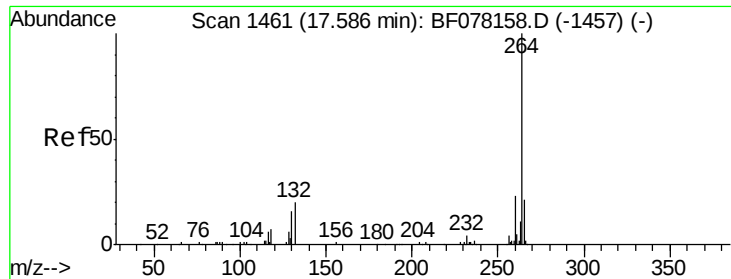
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.54 ng m
RT: 18.81 min Scan# 1568
Delta R.T. -0.08 min
Lab File: BF078351.D
Acq: 8 Apr 2015 23:25

Tgt Ion:276 Resp: 62277
Ion Ratio Lower Upper
276 100
138 5.1 16.9 25.3#
277 4.6 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

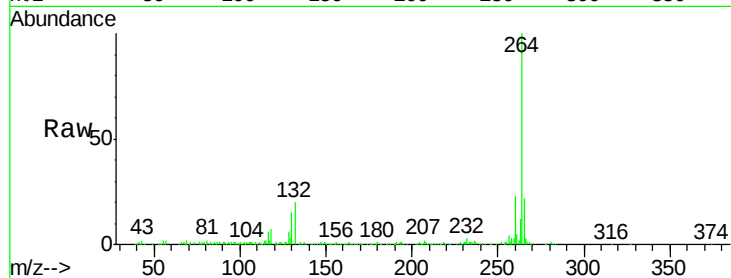




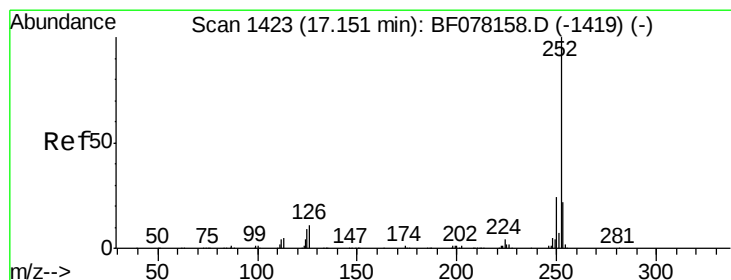
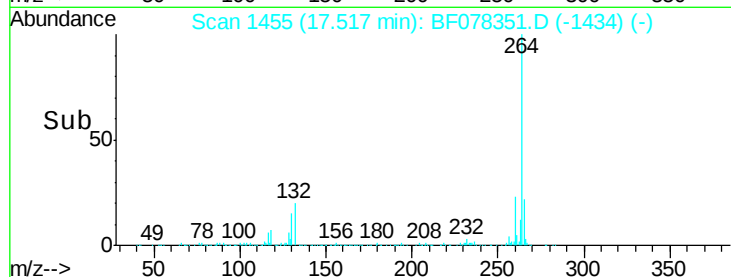
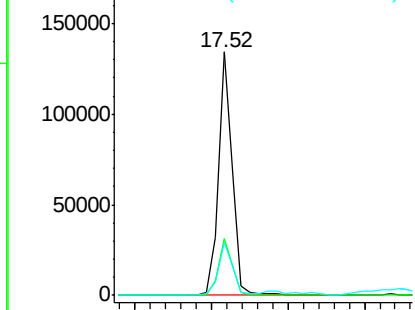
#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.52 min Scan# 1455
Delta R.T. -0.06 min
Lab File: BF078351.D
Acq: 8 Apr 2015 23:25

Instrument :
BNA_F
ClientSampleId :
OUTFALL-3

Tot Ion:264 Resp: 166815
Ion Ratio Lower Upper
264 100
260 23.1 18.6 27.8
265 21.5 17.0 25.6

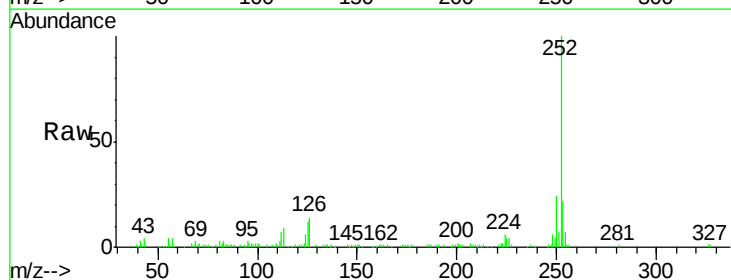


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

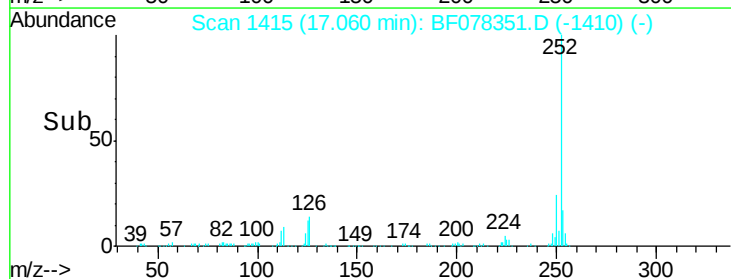
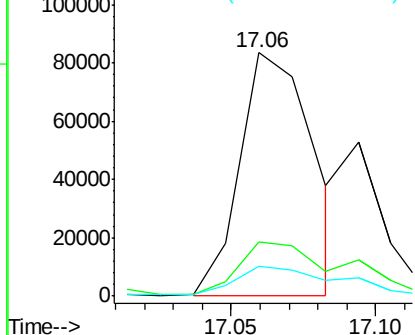


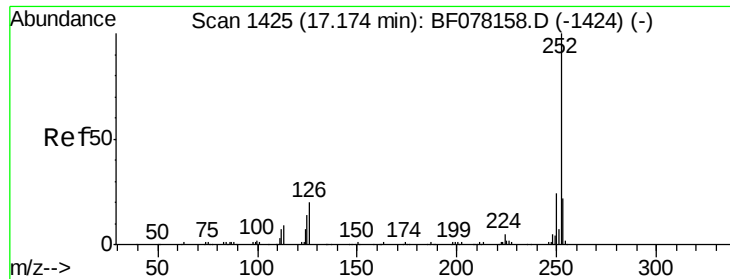
#87
Benzo(b)fluoranthene
Concen: 14.28 ng m
RT: 17.06 min Scan# 1415
Delta R.T. -0.05 min
Lab File: BF078351.D
Acq: 8 Apr 2015 23:25

Tgt Ion:252 Resp: 147266
Ion Ratio Lower Upper
252 100
253 22.4 17.2 25.8
125 12.2 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

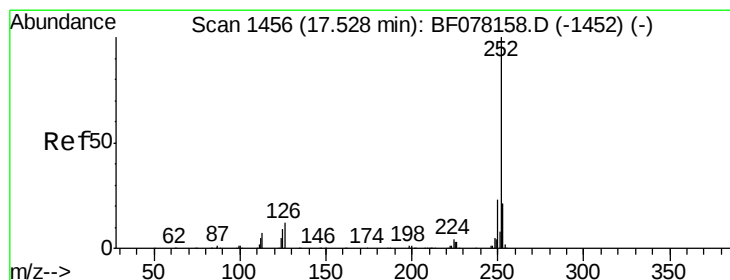
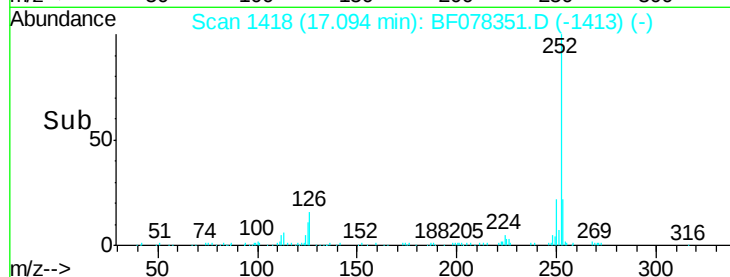
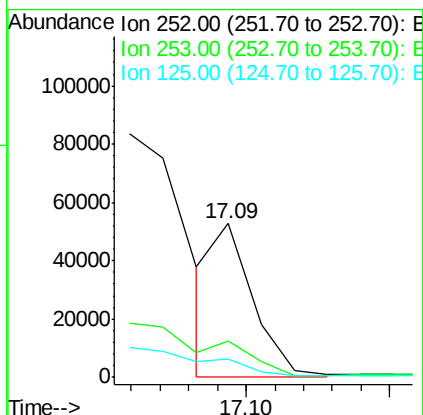
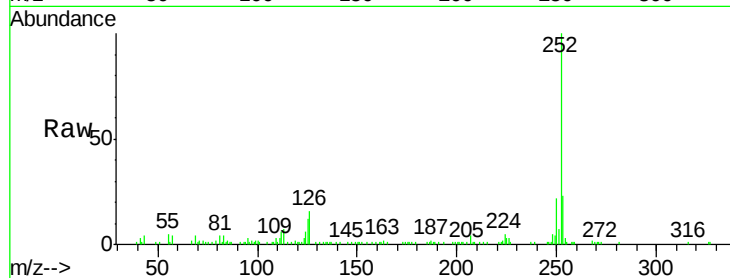




#88
Benzo(k)fluoranthene
Concen: 5.57 ng m
RT: 17.09 min Scan# 1418
Delta R.T. -0.05 min
Lab File: BF078351.D
Acq: 8 Apr 2015 23:25

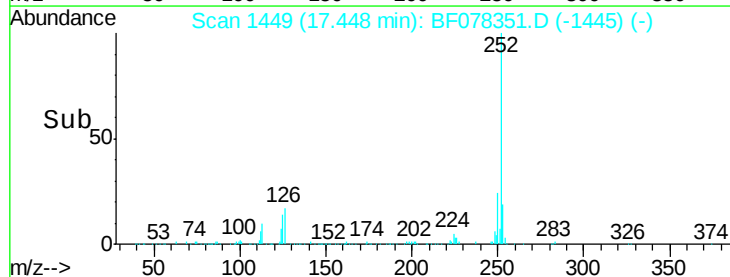
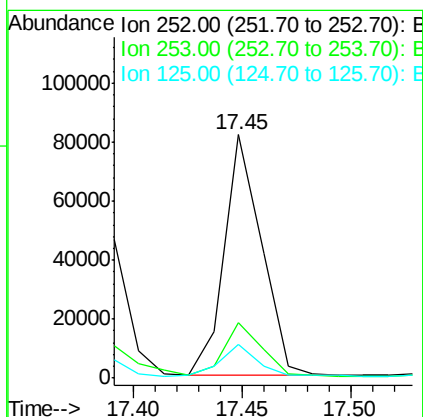
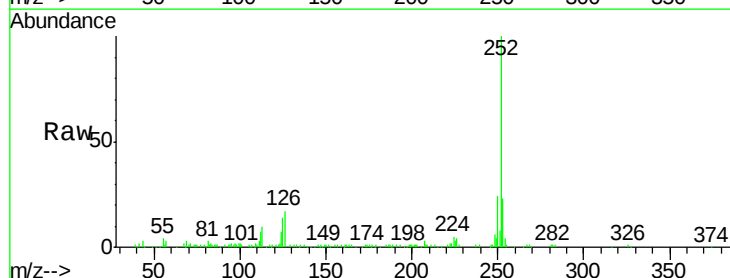
Instrument :
BNA_F
ClientSampleId :
OUTFALL-3

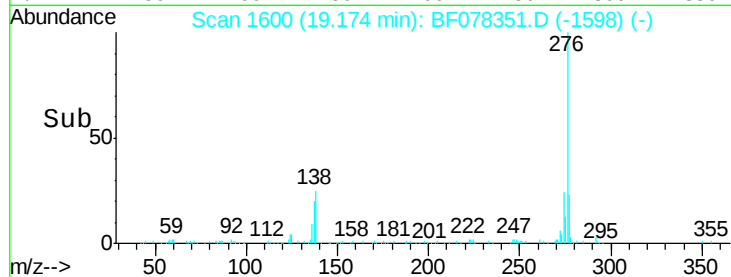
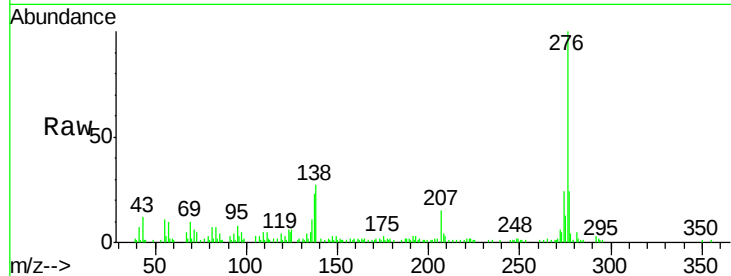
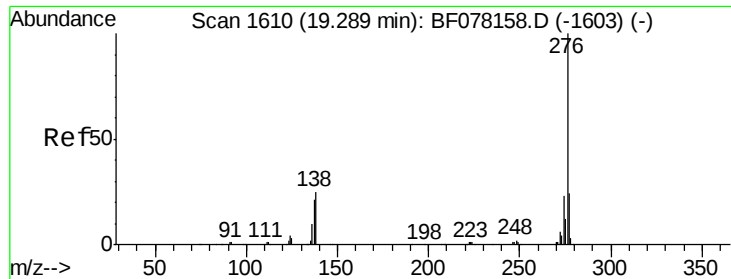
Tot Ion:252 Resp: 51035
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 11.7 11.6 17.4



#89
Benzo(a)pyrene
Concen: 10.81 ng
RT: 17.45 min Scan# 1449
Delta R.T. -0.06 min
Lab File: BF078351.D
Acq: 8 Apr 2015 23:25

Tgt Ion:252 Resp: 97290
Ion Ratio Lower Upper
252 100
253 22.8 16.8 25.2
125 13.8 7.4 11.0#





#91

Benzo(a,h,i)perylene

Concen: 6.04 ng

RT: 19.17 min Scan# 1600

Delta R.T. -0.08 min

Lab File: BF078351.D

Acq: 8 Apr 2015 23:25

Instrument :

BNA_F

ClientSampleId :

OUTFALL-3

Tot Ion:276 Resp: 54579

Ion Ratio Lower Upper

276 100

277 24.1 19.0 28.4

138 27.3 19.9 29.9

