

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040815\
 Data File : BF078349.D
 Acq On : 8 Apr 2015 22:28
 Operator : TP/IZ
 Sample : G1794-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OUTFALL-1

Quant Time: Apr 09 11:48:24 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 09 00:49:15 2015
 Response via : Initial Calibration

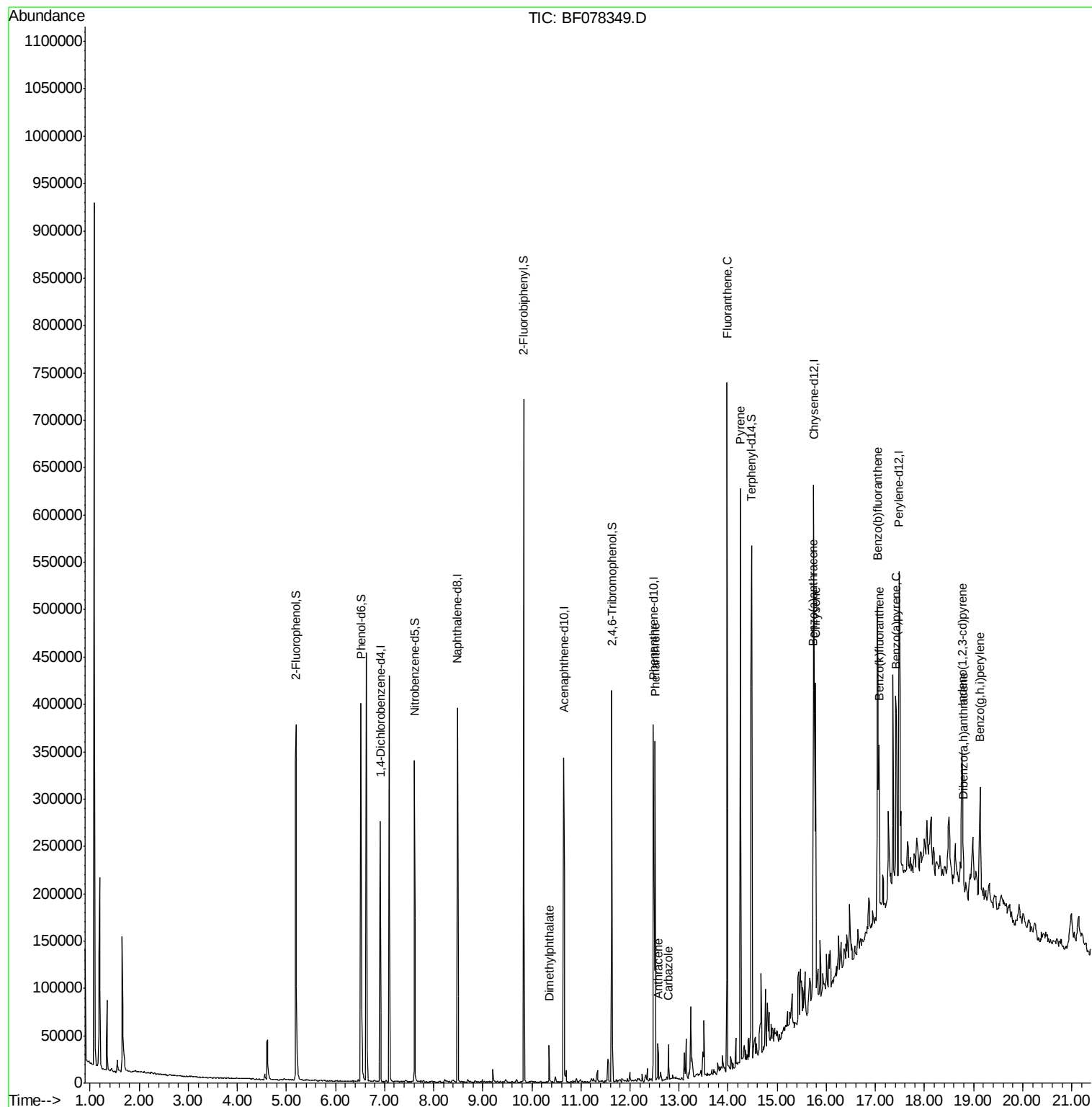
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	43363	20.00	ng	0.00
21) Naphthalene-d8	8.49	136	178062	20.00	ng	0.00
38) Acenaphthene-d10	10.65	164	88038	20.00	ng	0.00
63) Phenanthrene-d10	12.48	188	174403	20.00	ng	0.00
75) Chrysene-d12	15.75	240	178532	20.00	ng	-0.02
86) Perylene-d12	17.48	264	168840	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	179161	68.12	ng	0.02
7) Phenol-d6	6.52	99	232040	70.40	ng	0.01
23) Nitrobenzene-d5	7.61	82	128202	43.64	ng	0.00
41) 2,4,6-Tribromophenol	11.63	330	52625	72.07	ng	0.00
44) 2-Fluorobiphenyl	9.84	172	232982	37.83	ng	0.00
78) Terphenyl-d14	14.48	244	236456	29.93	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	10.35	163	16283	2.46	ng	# 98
70) Phenanthrene	12.51	178	149622	14.83	ng	99
71) Anthracene	12.57	178	23107	2.32	ng	98
72) Carbazole	12.79	167	18695	2.01	ng	98
74) Fluoranthene	13.97	202	336349	31.61	ng	97
77) Pyrene	14.25	202	264542	23.60	ng	# 91
80) Benzo(a)anthracene	15.73	228	139733	13.15	ng	96
82) Chrysene	15.78	228	144360	14.46	ng	97
85) Indeno(1,2,3-cd)pyrene	18.76	276	96733m	8.54	ng	
87) Benzo(b)fluoranthene	17.04	252	210803	20.20	ng	# 93
88) Benzo(k)fluoranthene	17.07	252	64056m	6.91	ng	
89) Benzo(a)pyrene	17.43	252	119013	13.07	ng	96
90) Dibenzo(a,h)anthracene	18.79	278	18786m	2.06	ng	
91) Benzo(g,h,i)perylene	19.13	276	86976	9.51	ng	100

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

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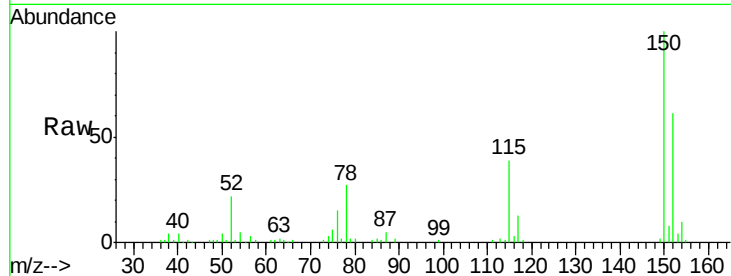


#1

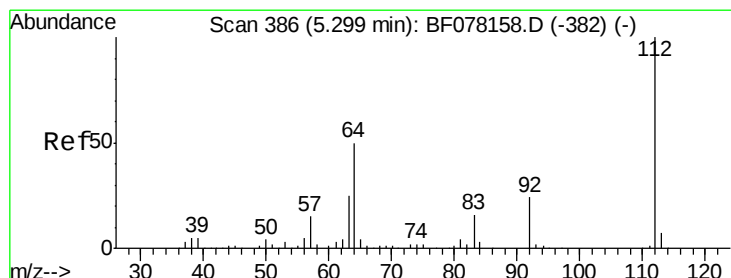
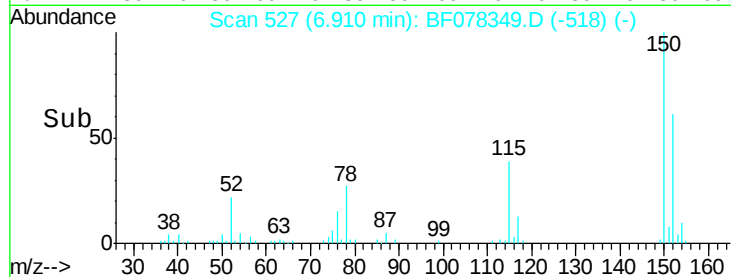
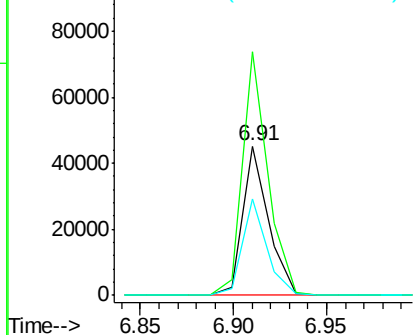
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.91 min Scan# 527
Delta R.T. 0.00 min
Lab File: BF078349.D
Acq: 8 Apr 2015 22:28

Instrument :
BNA_F
ClientSampleId :
OUTFALL-1

Tot Ion:152 Resp: 43363
Ion Ratio Lower Upper
152 100
150 162.9 125.9 188.9
115 64.2 52.7 79.1



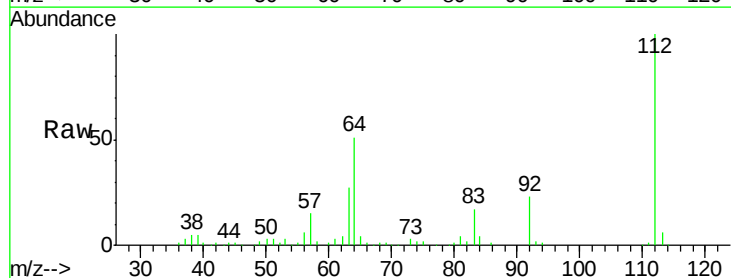
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



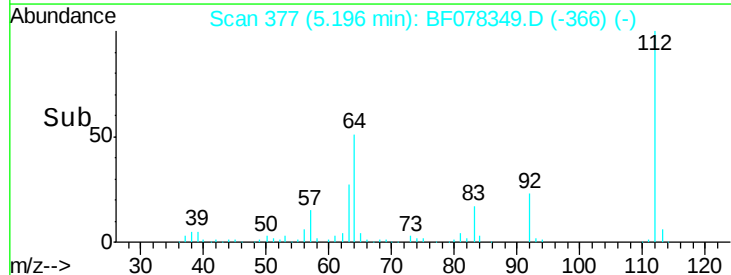
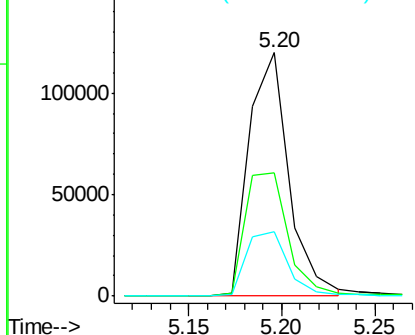
#5

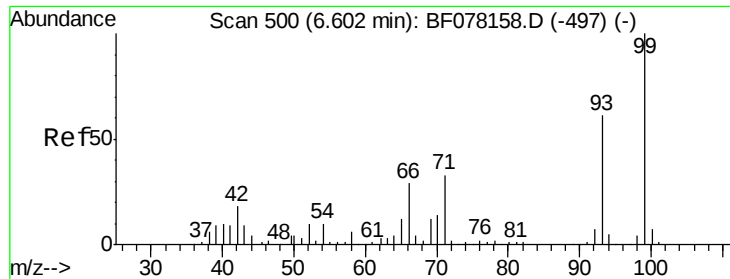
2-Fluorophenol
Concen: 68.12 ng
RT: 5.20 min Scan# 377
Delta R.T. 0.02 min
Lab File: BF078349.D
Acq: 8 Apr 2015 22:28

Tgt Ion:112 Resp: 179161
Ion Ratio Lower Upper
112 100
64 50.9 39.9 59.9
63 26.6 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: 70.40 ng

RT: 6.52 min Scan# 493

Delta R.T. 0.01 min

Lab File: BF078349.D

Acq: 8 Apr 2015 22:28

Instrument :

BNA_F

ClientSampleId :

OUTFALL-1

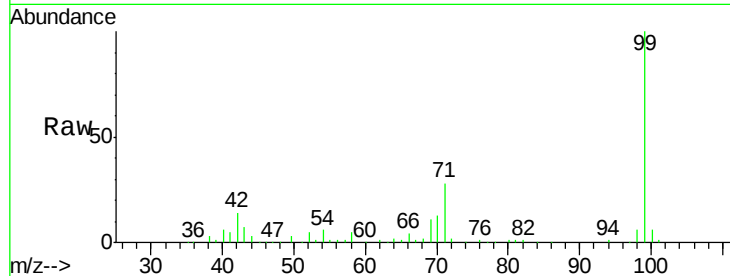
Tot Ion: 99 Resp: 232040

Ion Ratio Lower Upper

99 100

42 14.3 14.8 22.2#

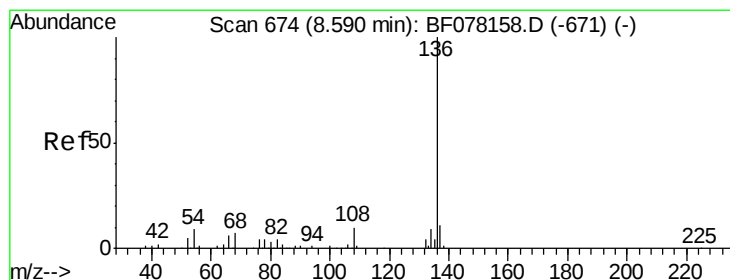
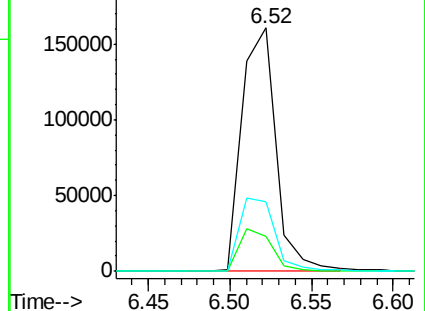
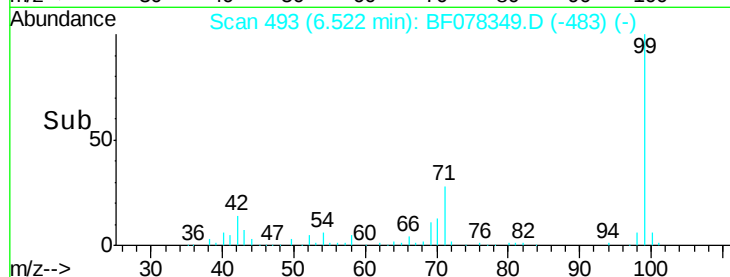
71 28.4 26.6 39.8



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.49 min Scan# 665

Delta R.T. 0.00 min

Lab File: BF078349.D

Acq: 8 Apr 2015 22:28

Tgt Ion: 136 Resp: 178062

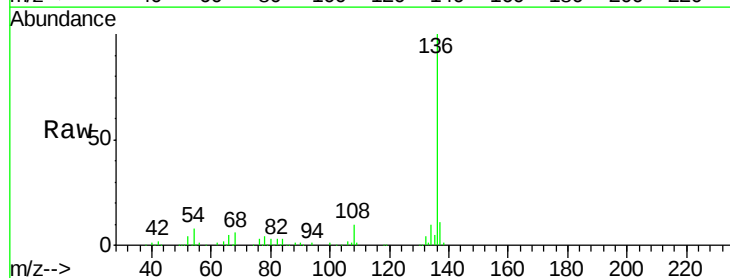
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 7.6 7.0 10.6

68 6.3 5.4 8.2

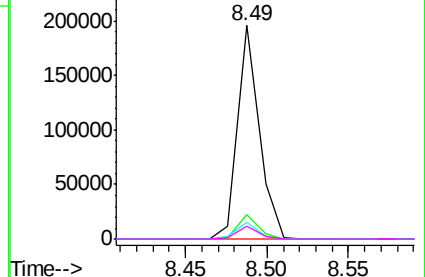
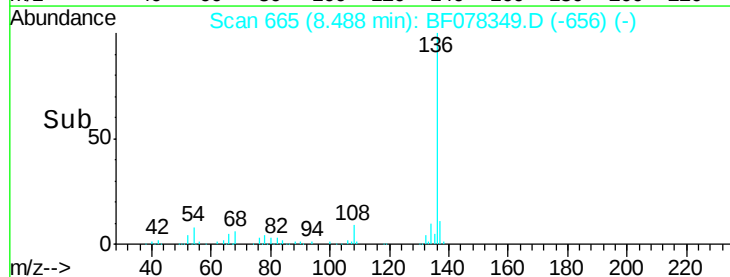


Abundance Ion 136.00 (135.70 to 136.70): E

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

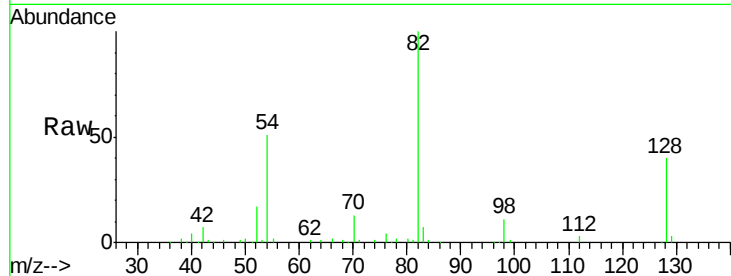




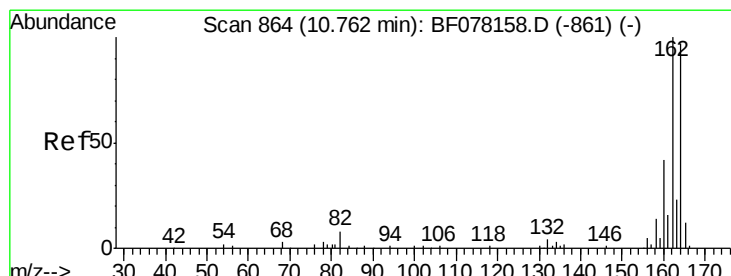
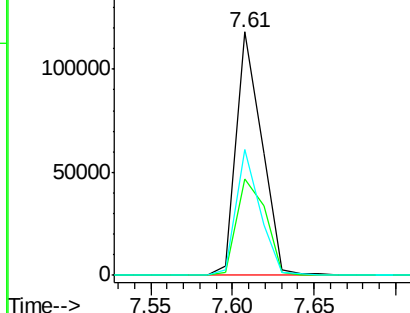
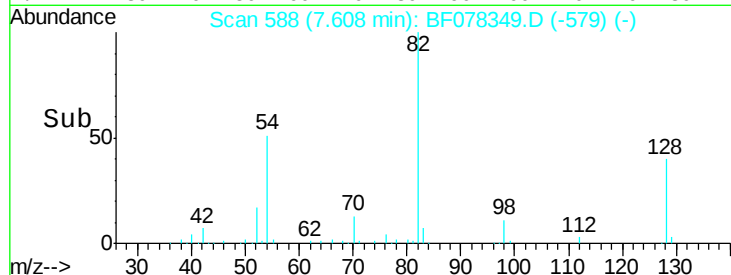
#23
 Nitrobenzene-d5
 Concen: 43.64 ng
 RT: 7.61 min Scan# 588
 Delta R.T. 0.00 min
 Lab File: BF078349.D
 Acq: 8 Apr 2015 22:28

Instrument :
 BNA_F
 ClientSampleId :
 OUTFALL-1

Tot Ion: 82 Resp: 128202
 Ion Ratio Lower Upper
 82 100
 128 39.7 31.8 47.8
 54 51.5 41.5 62.3

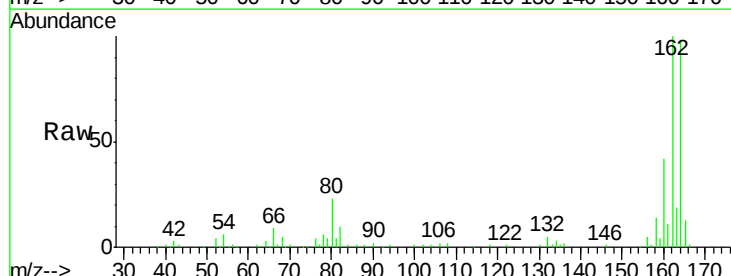


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

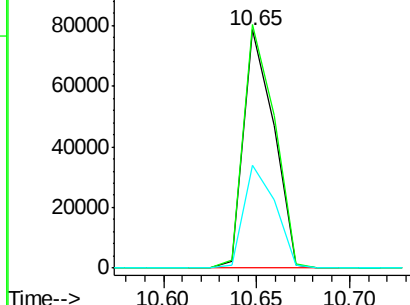
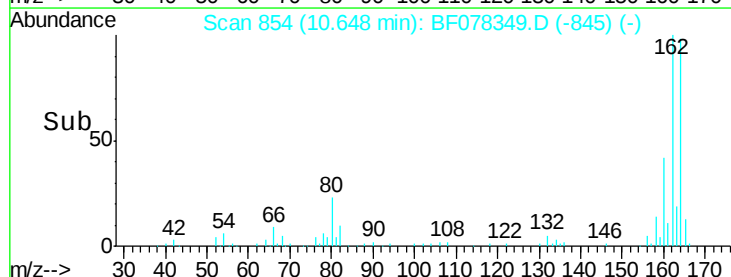


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.65 min Scan# 854
 Delta R.T. 0.00 min
 Lab File: BF078349.D
 Acq: 8 Apr 2015 22:28

Tgt Ion:164 Resp: 88038
 Ion Ratio Lower Upper
 164 100
 162 102.3 82.2 123.2
 160 43.4 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

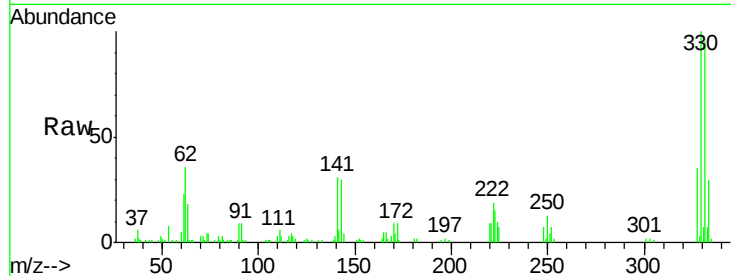




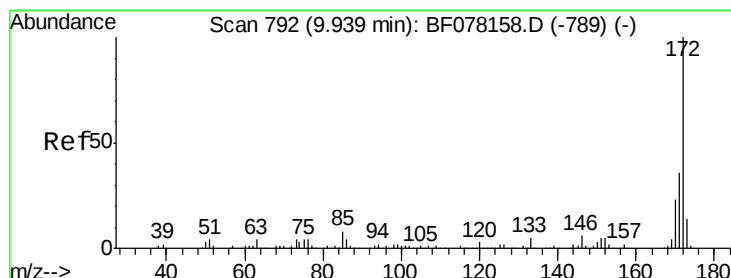
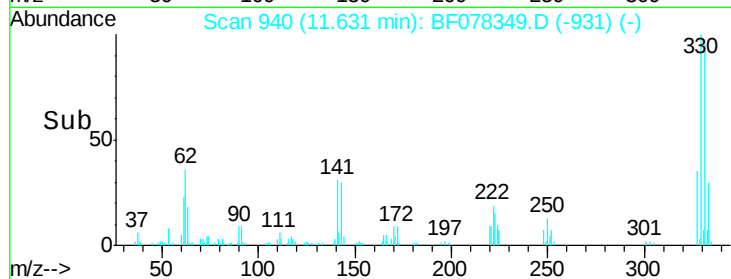
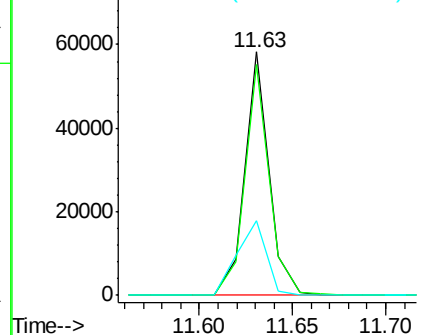
#41
 2,4,6-Tribromophenol
 Concen: 72.07 ng
 RT: 11.63 min Scan# 940
 Delta R.T. 0.00 min
 Lab File: BF078349.D
 Acq: 8 Apr 2015 22:28

Instrument :
 BNA_F
 ClientSampleId :
 OUTFALL-1

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	78.6	117.8
141	37.1	31.2	46.8

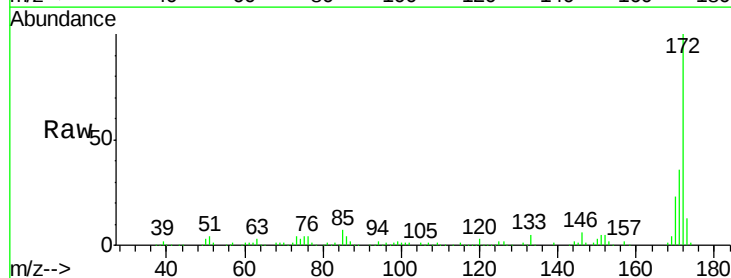


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

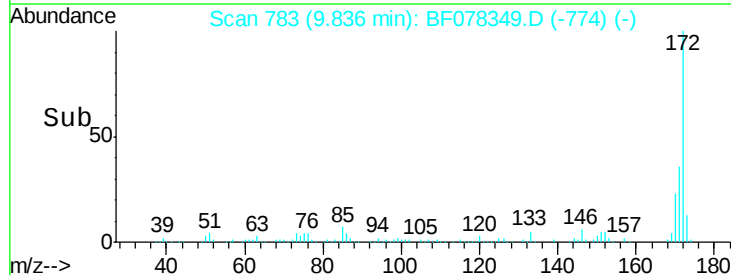
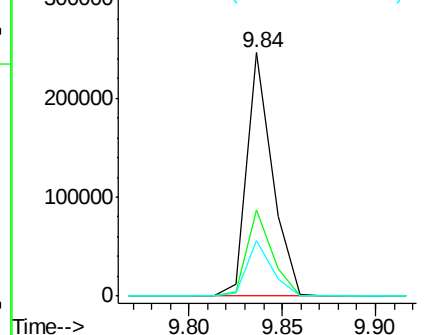


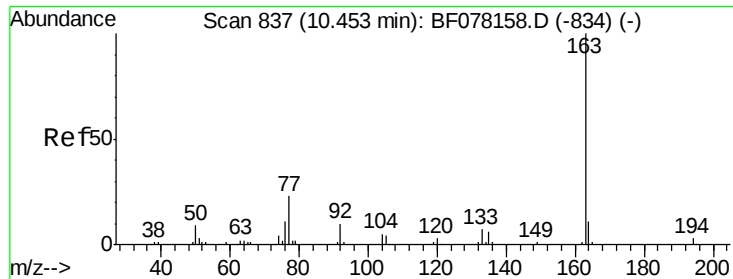
#44
 2-Fluorobiphenyl
 Concen: 37.83 ng
 RT: 9.84 min Scan# 783
 Delta R.T. -0.00 min
 Lab File: BF078349.D
 Acq: 8 Apr 2015 22:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	42.8
170	23.0	18.5	27.7



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

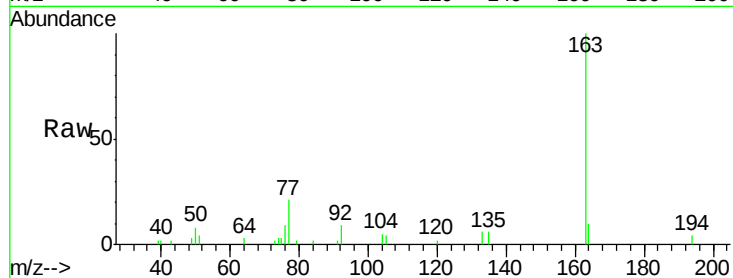




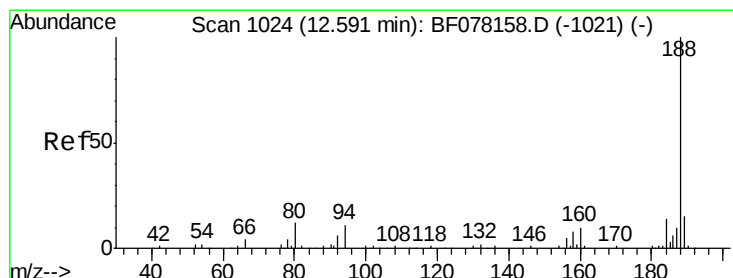
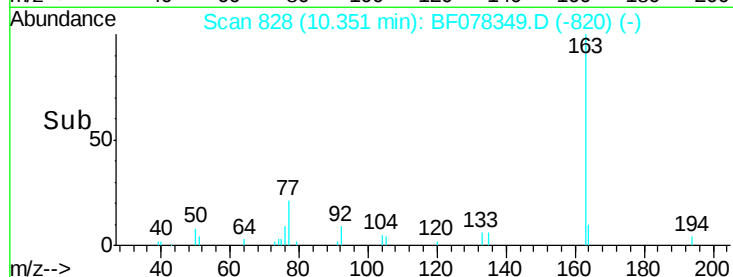
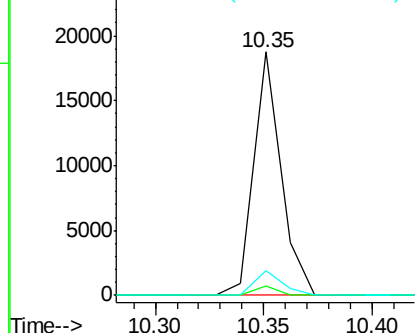
#49
Dimethylphthalate
Concen: 2.46 ng
RT: 10.35 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF078349.D
Acq: 8 Apr 2015 22:28

Instrument :
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ClientSampleId :
OUTFALL-1

Tot Ion:163 Resp: 16283
Ion Ratio Lower Upper
163 100
194 3.9 2.3 3.5#
164 10.0 8.6 13.0

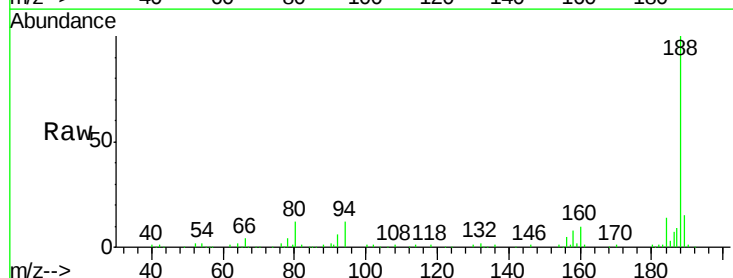


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

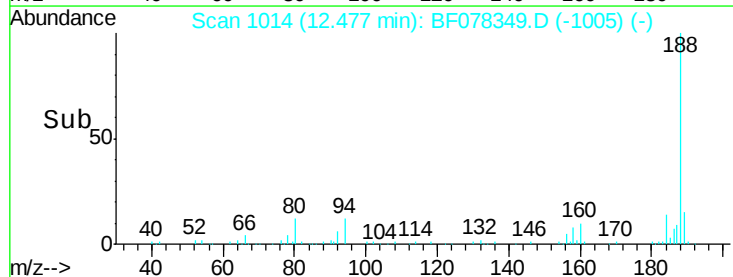
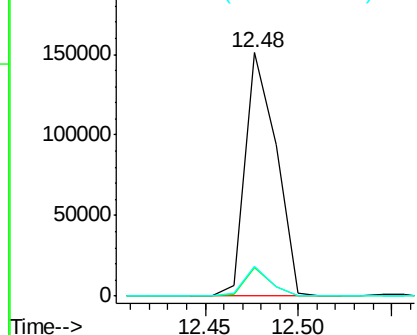


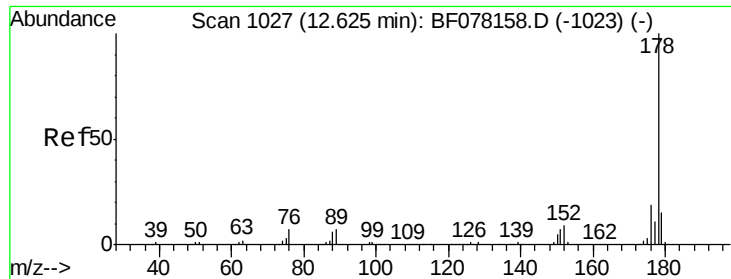
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.48 min Scan# 1014
Delta R.T. 0.00 min
Lab File: BF078349.D
Acq: 8 Apr 2015 22:28

Tgt Ion:188 Resp: 174403
Ion Ratio Lower Upper
188 100
94 11.7 9.0 13.4
80 12.2 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

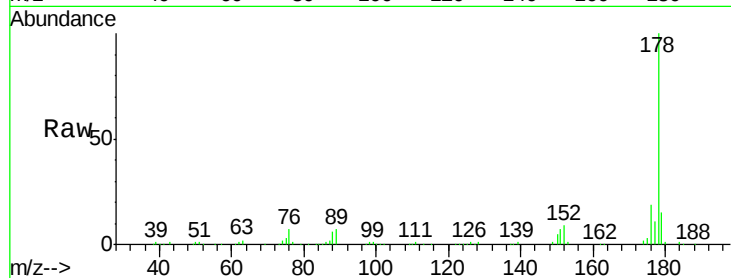




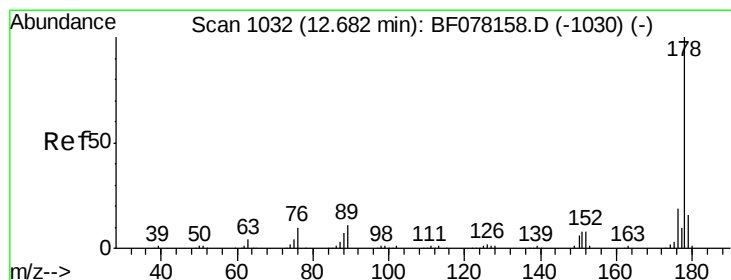
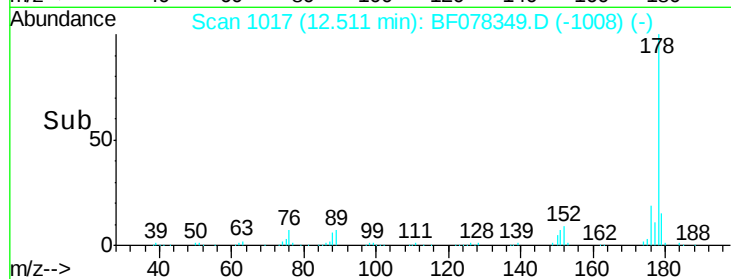
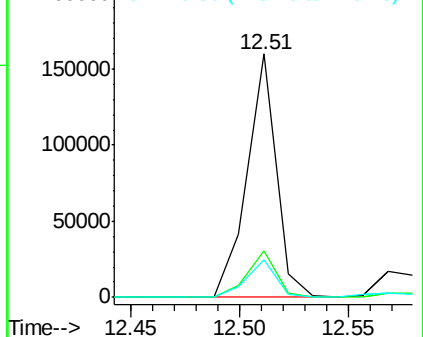
#70
Phenanthrene
Concen: 14.83 ng
RT: 12.51 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BF078349.D
Acq: 8 Apr 2015 22:28

Instrument :
BNA_F
ClientSampleId :
OUTFALL-1

Tot Ion:178 Resp: 149622
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.3 12.2 18.2

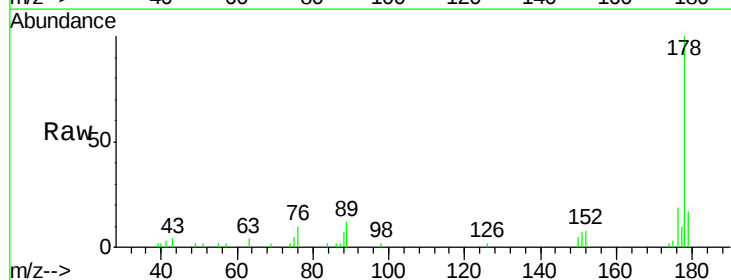


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

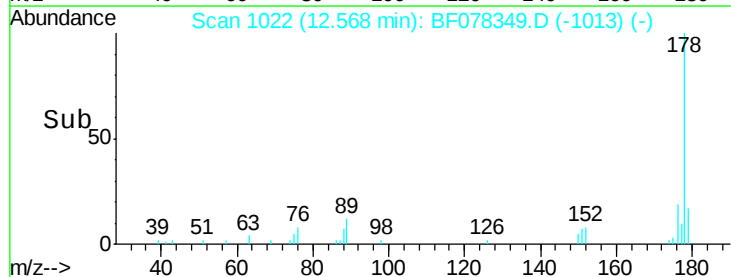
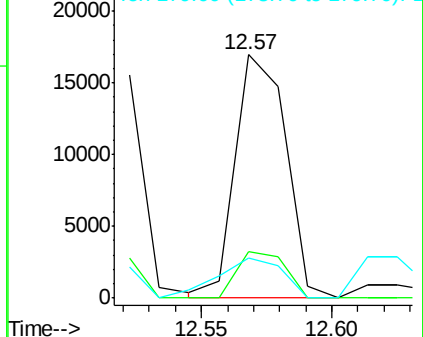


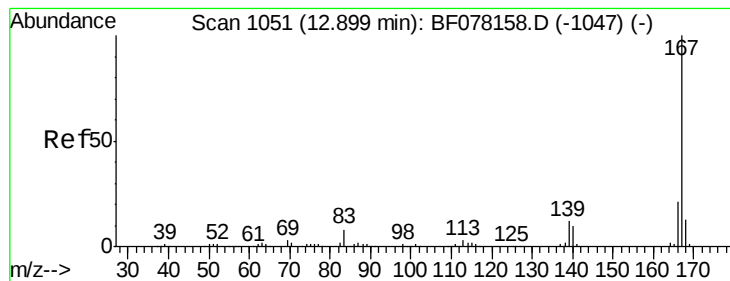
#71
Anthracene
Concen: 2.32 ng
RT: 12.57 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BF078349.D
Acq: 8 Apr 2015 22:28

Tgt Ion:178 Resp: 23107
Ion Ratio Lower Upper
178 100
176 18.9 14.8 22.2
179 16.7 12.4 18.6



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





#72

Carbazole

Concen: 2.01 ng

RT: 12.79 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BF078349.D

Acq: 8 Apr 2015 22:28

Instrument :

BNA_F

ClientSampleId :

OUTFALL-1

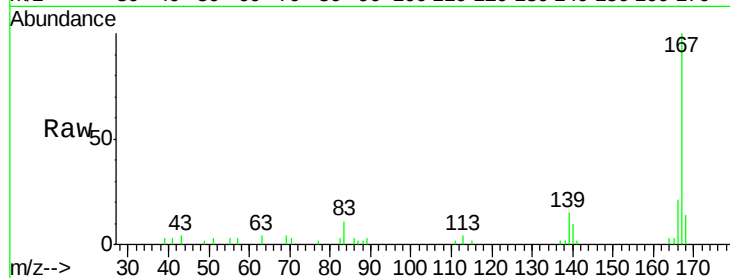
Tot Ion:167 Resp: 18695

Ion Ratio Lower Upper

167 100

166 21.1 16.8 25.2

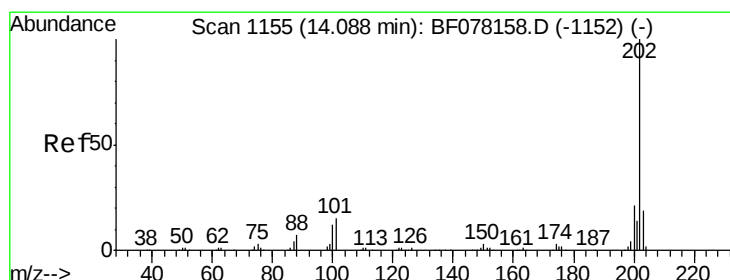
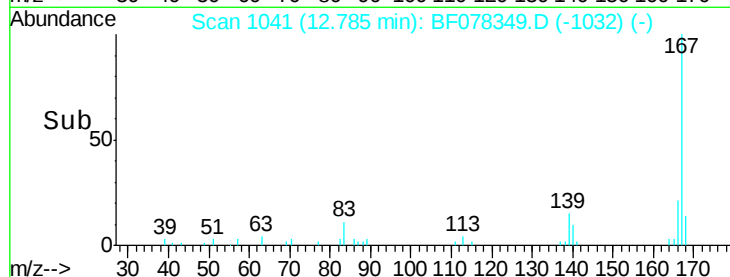
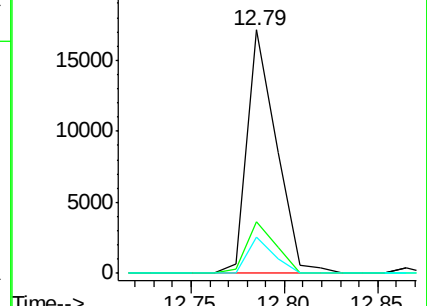
139 14.7 10.0 15.0



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: 31.61 ng

RT: 13.97 min Scan# 1145

Delta R.T. -0.00 min

Lab File: BF078349.D

Acq: 8 Apr 2015 22:28

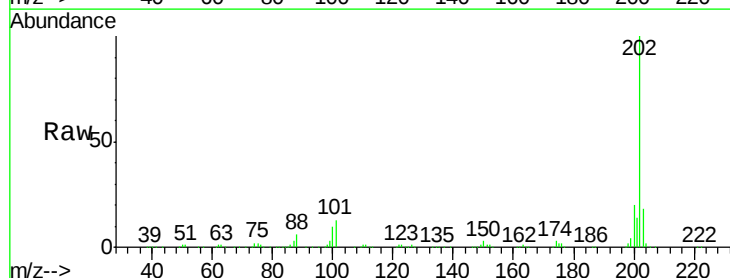
Tgt Ion:202 Resp: 336349

Ion Ratio Lower Upper

202 100

101 13.0 0.0 35.2

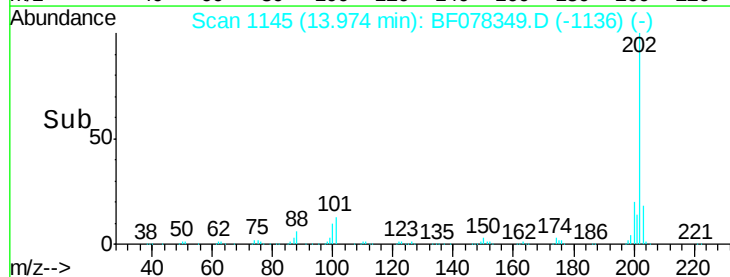
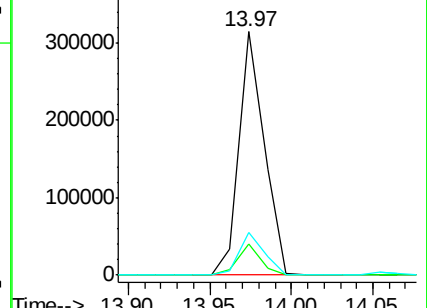
203 17.6 0.0 38.5

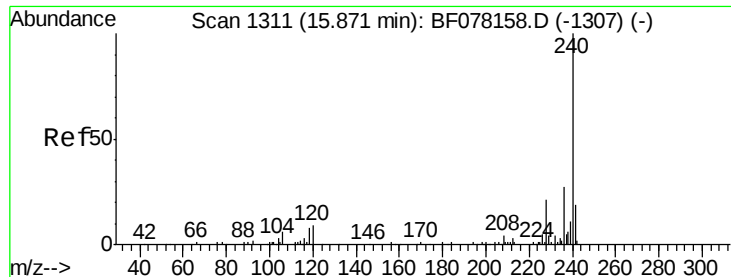


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF078349.D

Acq: 8 Apr 2015 22:28

Instrument :

BNA_F

ClientSampleId :

OUTFALL-1

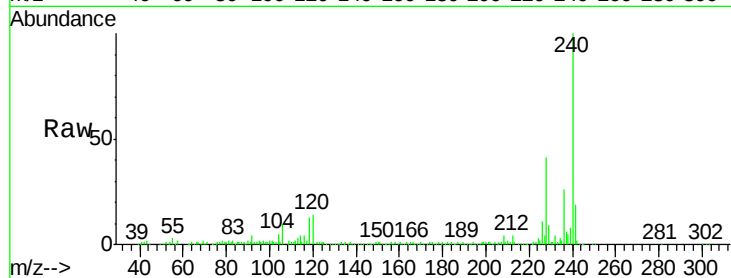
Tot Ion:240 Resp: 178532

Ion Ratio Lower Upper

240 100

120 13.6 7.1 10.7#

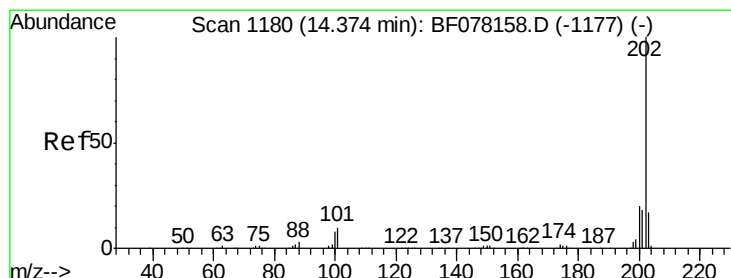
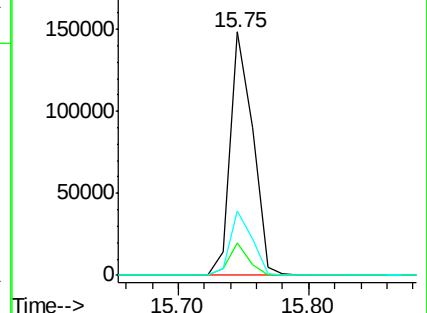
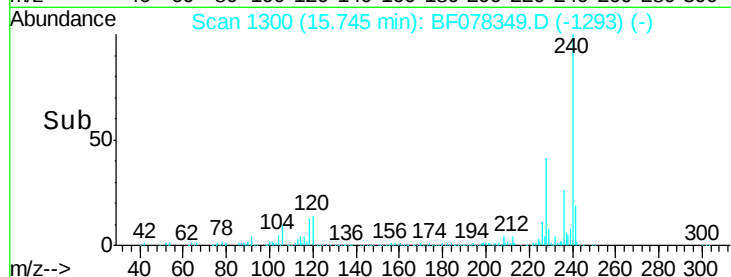
236 26.2 21.4 32.2



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: 23.60 ng

RT: 14.25 min Scan# 1169

Delta R.T. 0.00 min

Lab File: BF078349.D

Acq: 8 Apr 2015 22:28

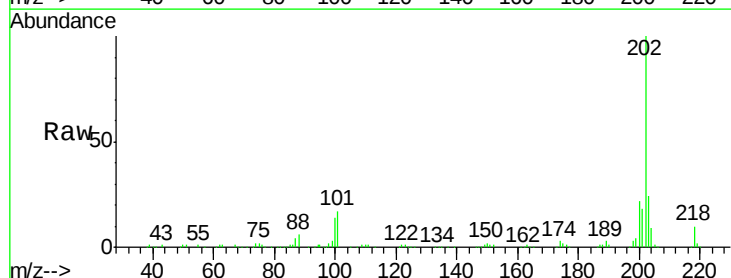
Tgt Ion:202 Resp: 264542

Ion Ratio Lower Upper

202 100

200 21.7 16.3 24.5

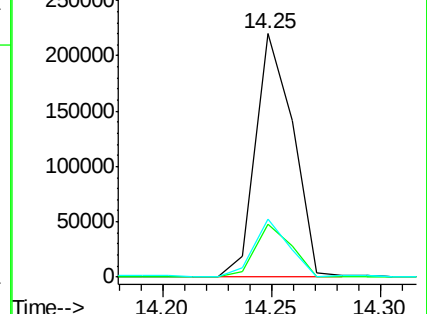
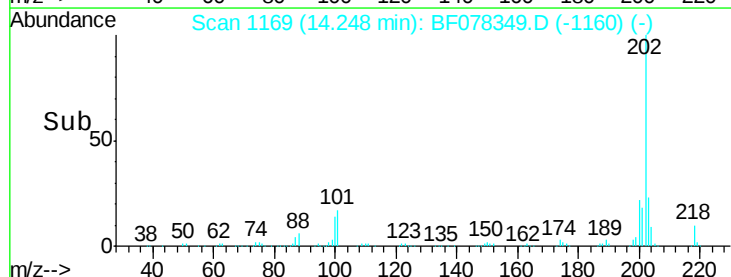
203 23.9 13.8 20.6#

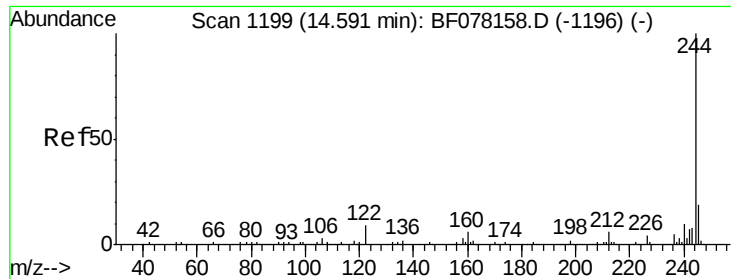


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 29.93 ng

RT: 14.48 min Scan# 1189

Delta R.T. 0.00 min

Lab File: BF078349.D

Acq: 8 Apr 2015 22:28

Instrument :

BNA_F

ClientSampled :

OUTFALL-1

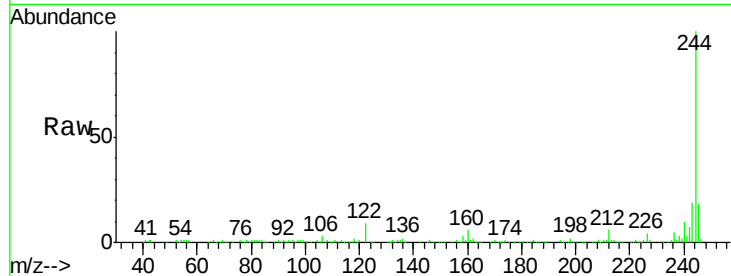
Tot Ion:244 Resp: 236456

Ion Ratio Lower Upper

244 100

212 6.1 5.0 7.4

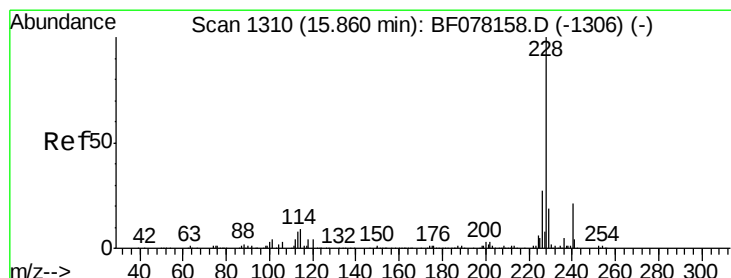
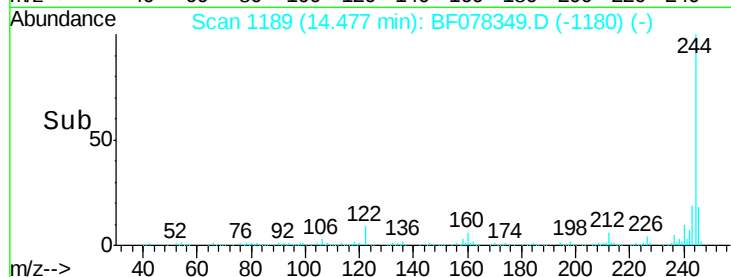
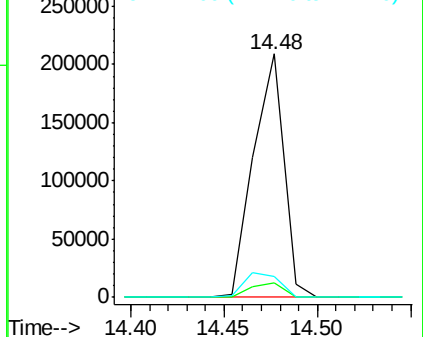
122 8.5 7.1 10.7



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: 13.15 ng

RT: 15.73 min Scan# 1299

Delta R.T. -0.02 min

Lab File: BF078349.D

Acq: 8 Apr 2015 22:28

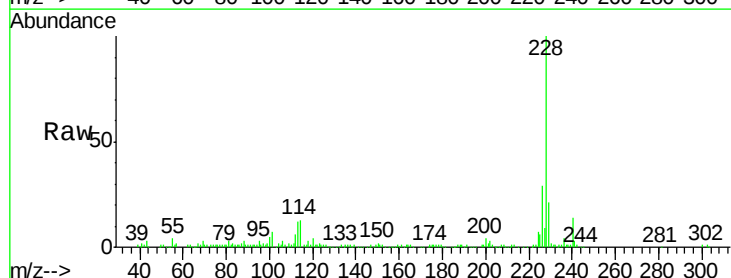
Tgt Ion:228 Resp: 139733

Ion Ratio Lower Upper

228 100

226 29.4 21.3 31.9

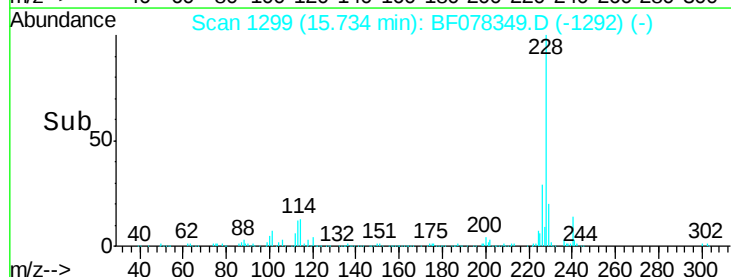
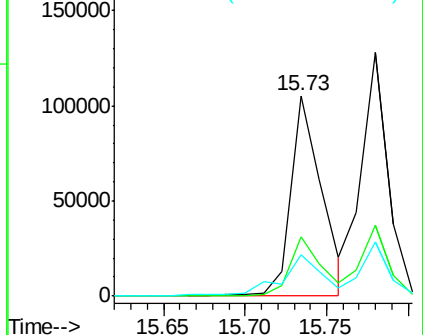
229 20.6 15.4 23.2

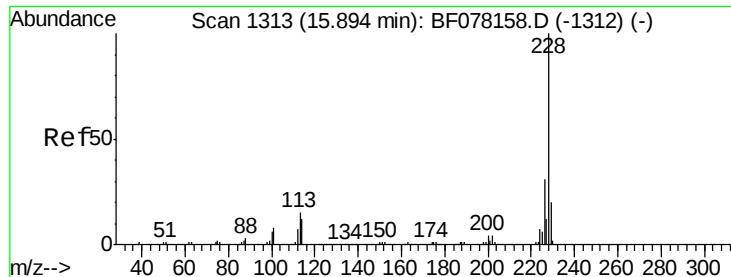


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 14.46 ng

RT: 15.78 min Scan# 1303

Delta R.T. -0.02 min

Lab File: BF078349.D

Acq: 8 Apr 2015 22:28

Instrument :

BNA_F

ClientSampleId :

OUTFALL-1

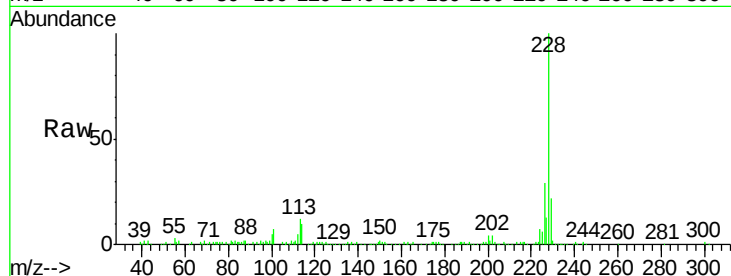
Tot Ion:228 Resp: 144360

Ion Ratio Lower Upper

228 100

226 29.3 24.2 36.4

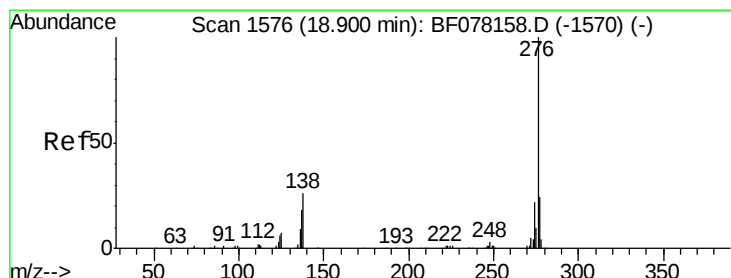
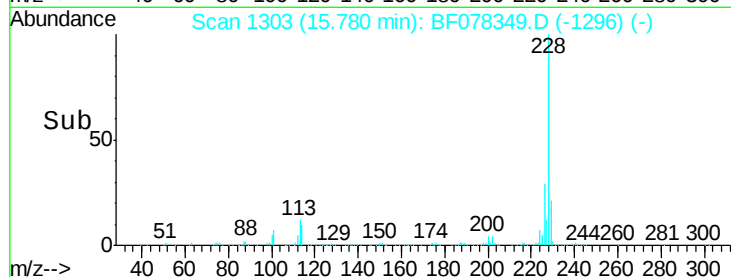
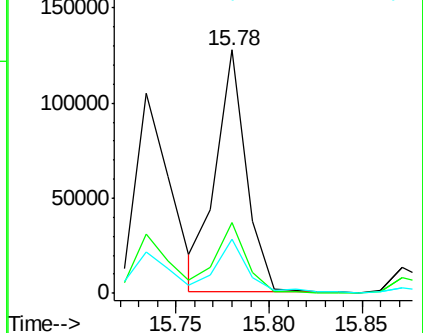
229 22.1 15.8 23.8



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: 8.54 ng m

RT: 18.76 min Scan# 1564

Delta R.T. -0.13 min

Lab File: BF078349.D

Acq: 8 Apr 2015 22:28

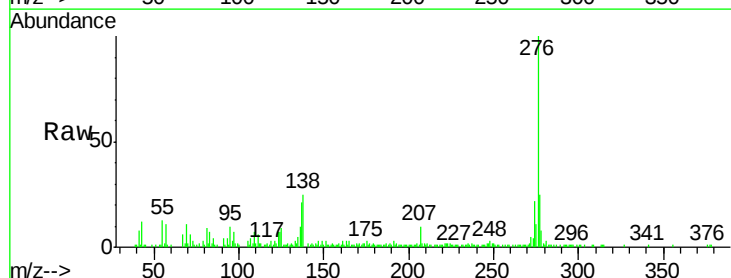
Tgt Ion:276 Resp: 96733

Ion Ratio Lower Upper

276 100

138 4.9 16.9 25.3#

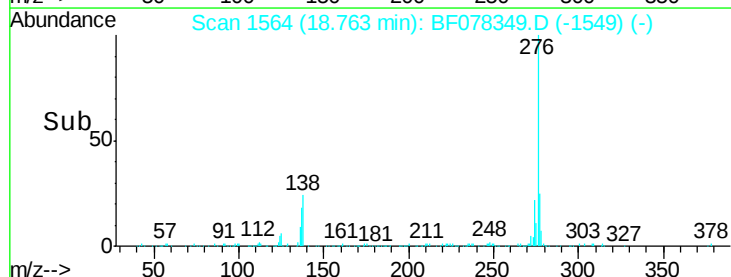
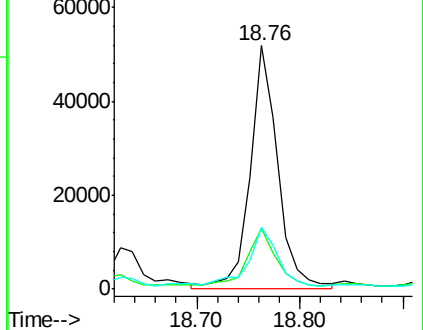
277 4.1 15.8 23.6#

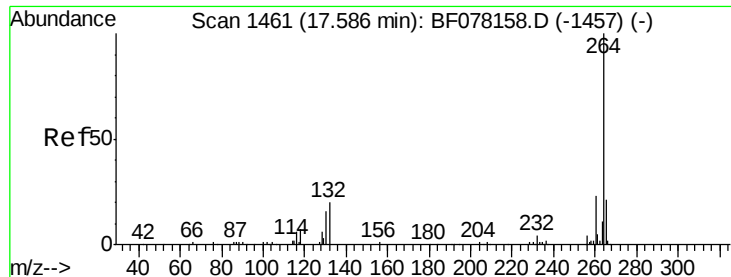


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

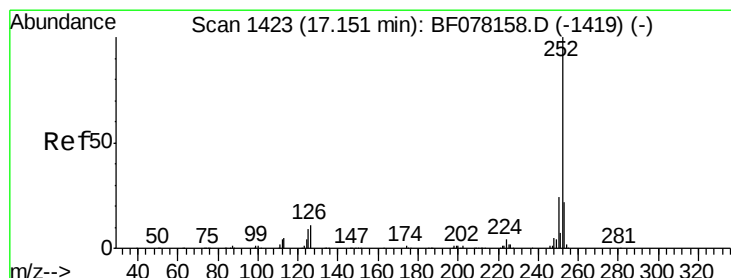
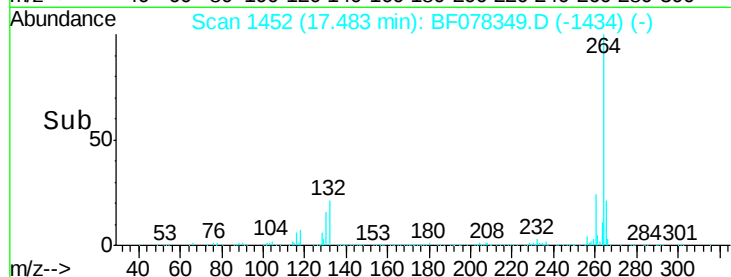
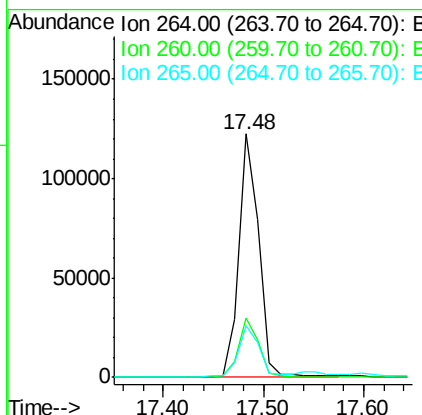
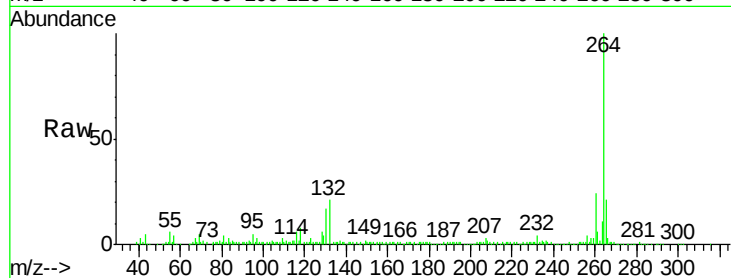




#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.48 min Scan# 1452
Delta R.T. -0.09 min
Lab File: BF078349.D
Acq: 8 Apr 2015 22:28

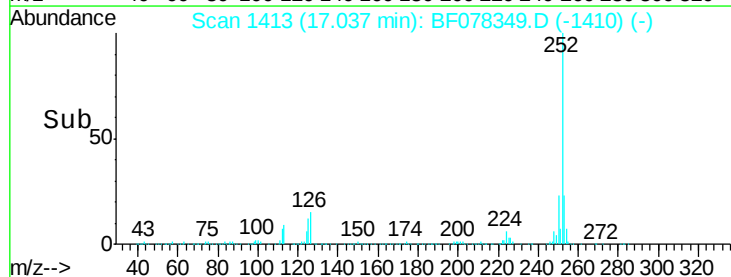
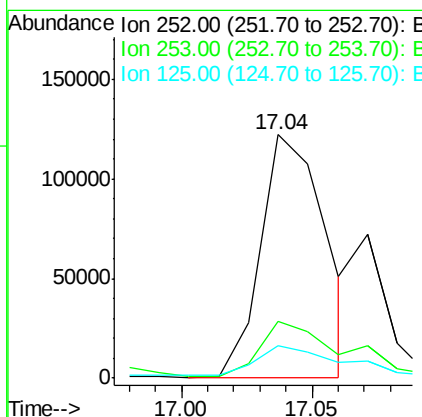
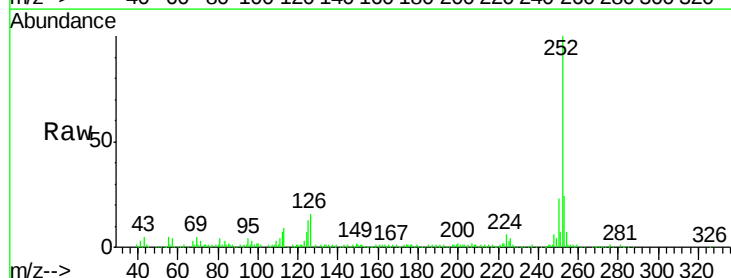
Instrument :
BNA_F
ClientSampleId :
OUTFALL-1

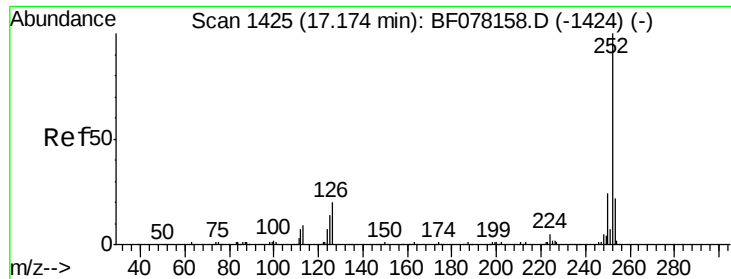
Tot Ion:264 Resp: 168840
Ion Ratio Lower Upper
264 100
260 24.4 18.6 27.8
265 21.4 17.0 25.6



#87
Benzo(b)fluoranthene
Concen: 20.20 ng
RT: 17.04 min Scan# 1413
Delta R.T. -0.07 min
Lab File: BF078349.D
Acq: 8 Apr 2015 22:28

Tgt Ion:252 Resp: 210803
Ion Ratio Lower Upper
252 100
253 23.5 17.2 25.8
125 13.1 7.0 10.4#





#88

Benzo(k)fluoranthene

Concen: 6.91 ng/mL

RT: 17.07 min Scan# 1416

Delta R.T. -0.07 min

Lab File: BF078349.D

Acq: 8 Apr 2015 22:28

Instrument :

BNA_F

ClientSampleId :

OUTFALL-1

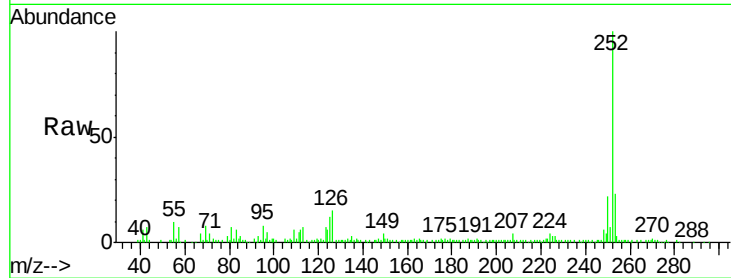
Tot Ion:252 Resp: 64056

Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

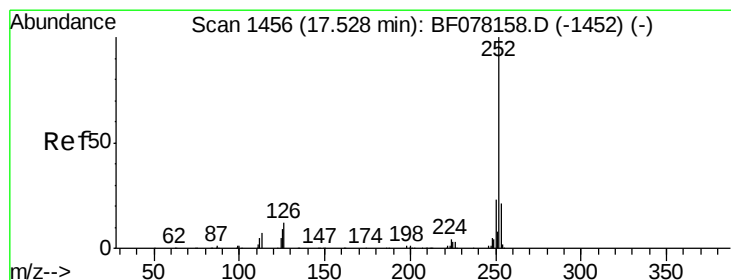
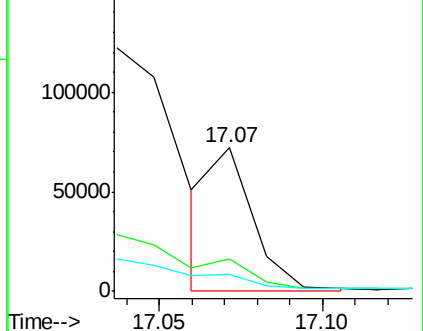
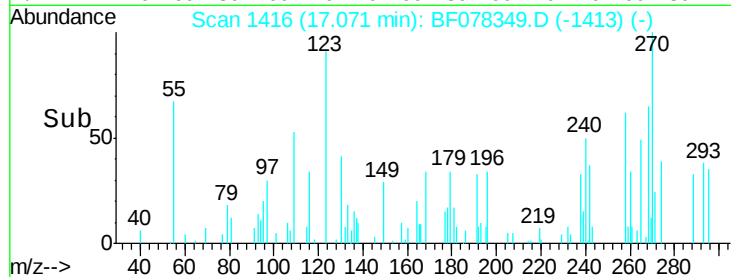
125 12.1 11.6 17.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 13.07 ng/mL

RT: 17.43 min Scan# 1447

Delta R.T. -0.08 min

Lab File: BF078349.D

Acq: 8 Apr 2015 22:28

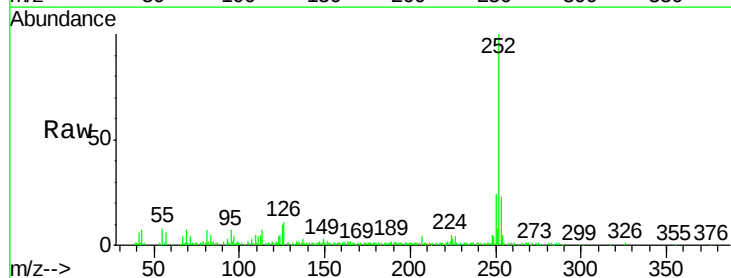
Tgt Ion:252 Resp: 119013

Ion Ratio Lower Upper

252 100

253 22.9 16.8 25.2

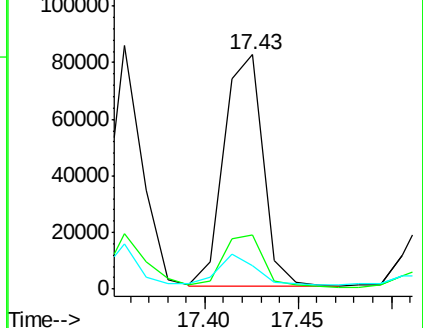
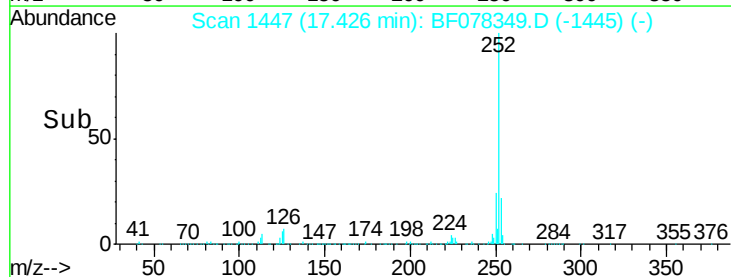
125 10.3 7.4 11.0

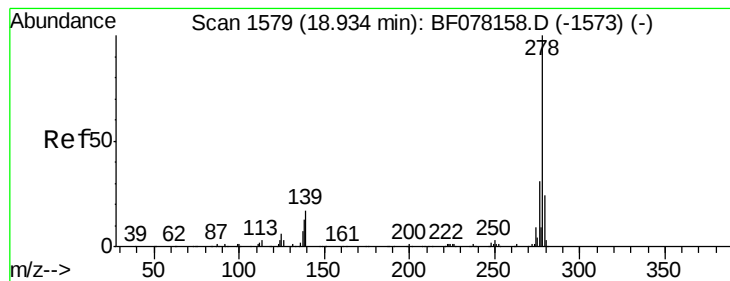


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 2.06 ng/mL

RT: 18.79 min Scan# 1566

Delta R.T. -0.14 min

Lab File: BF078349.D

Acq: 8 Apr 2015 22:28

Instrument :

BNA_F

ClientSampleId :

OUTFALL-1

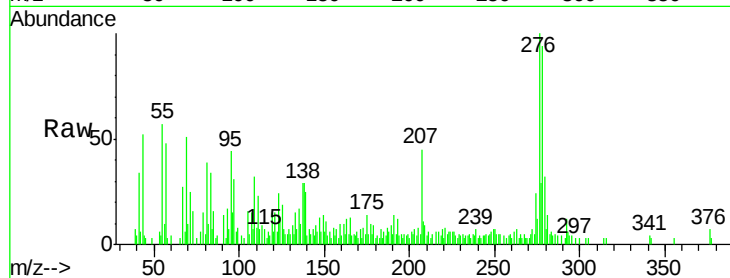
Tot Ion:278 Resp: 18786

Ion Ratio Lower Upper

278 100

139 27.0 13.6 20.4#

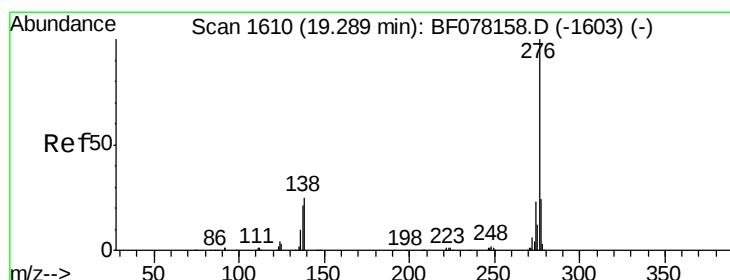
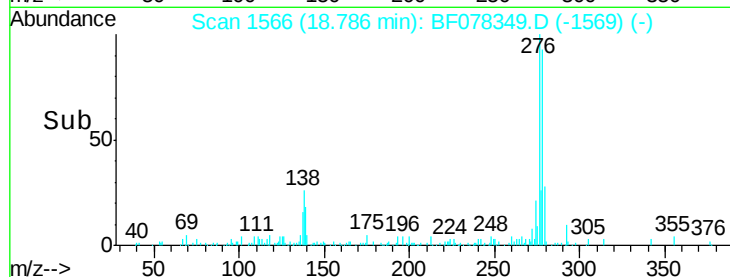
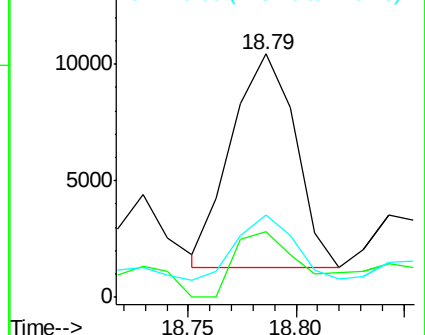
279 33.8 19.0 28.6#



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: 9.51 ng/mL

RT: 19.13 min Scan# 1596

Delta R.T. -0.13 min

Lab File: BF078349.D

Acq: 8 Apr 2015 22:28

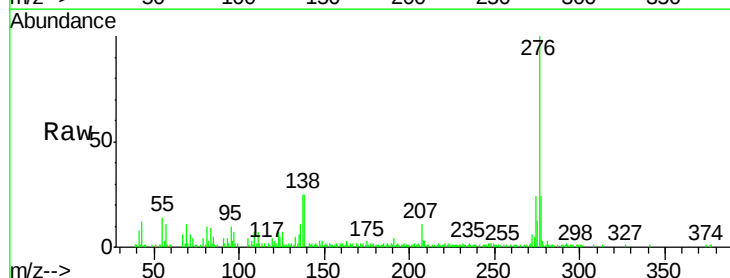
Tgt Ion:276 Resp: 86976

Ion Ratio Lower Upper

276 100

277 23.7 19.0 28.4

138 24.7 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

