

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 01:10:21 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

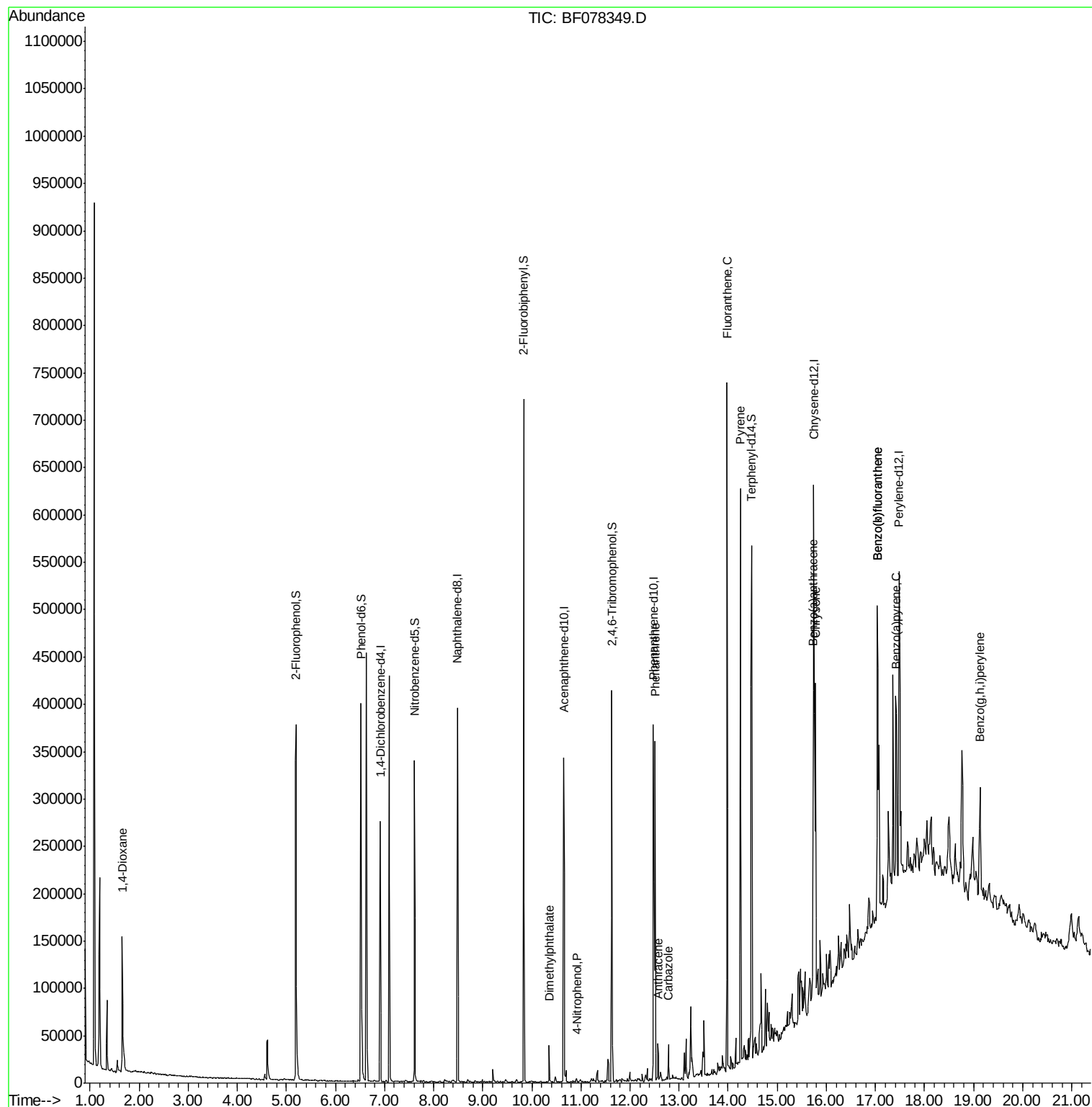
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	43363	20.00	ng	0.00
21) Naphthalene-d8	8.49	136	178062	20.00	ng	0.00
38) Acenaphthene-d10	10.65	164	88038	20.00	ng	0.00
63) Phenanthrene-d10	12.48	188	174403	20.00	ng	0.00
75) Chrysene-d12	15.75	240	178532	20.00	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						
2) 1,4-Dioxane	1.65	88	4682	3.94	ng	# 23
49) Dimethylphthalate	10.35	163	16283	2.46	ng	# 98
55) 4-Nitrophenol	10.91	139	802	3.44	ng	# 18
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
87) Benzo(b)fluoranthene	17.04	252	210803	20.20	ng	# 93
88) Benzo(k)fluoranthene	17.04	252	273713	29.52	ng	97
89) Benzo(a)pyrene	17.43	252	119013	13.07	ng	96
91) Benzo(g,h,i)perylene	19.13	276	86976	9.51	ng	100

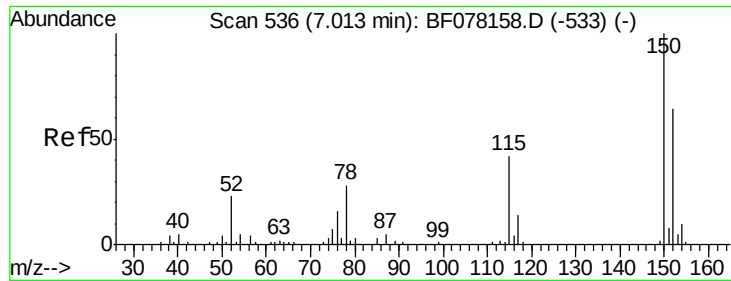
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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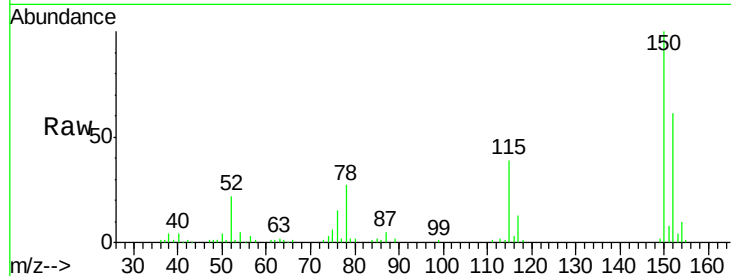


#1

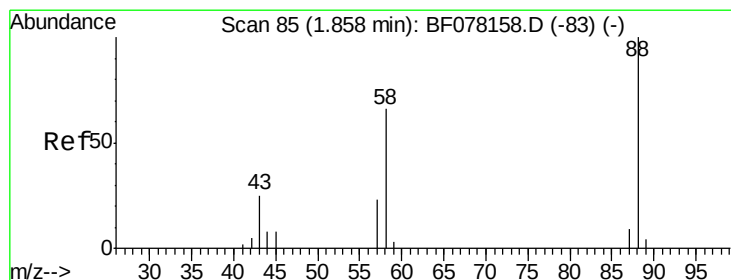
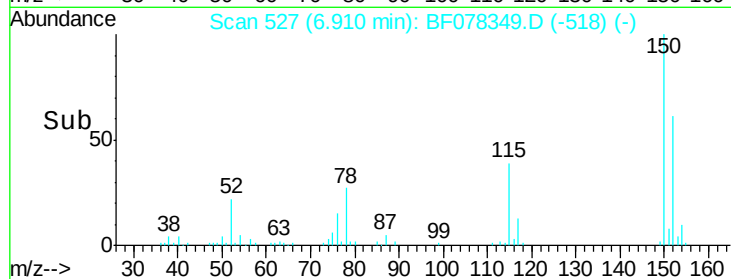
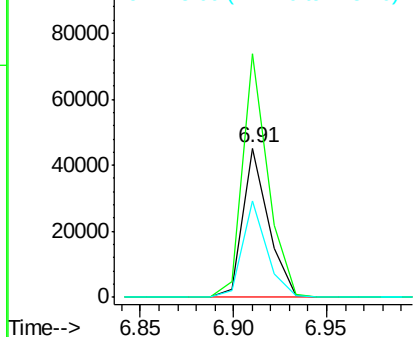
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.91 min Scan# 527
Delta R.T. 0.00 min
Lab File: BF078349.D
Acq: 8 Apr 2015 22:28

Instrument :
BNA_F
ClientSampleId :
OUTFALL-1

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



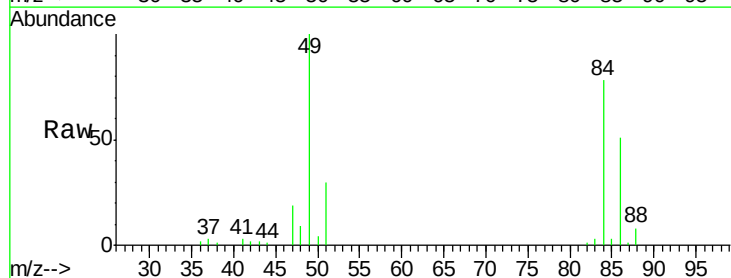
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



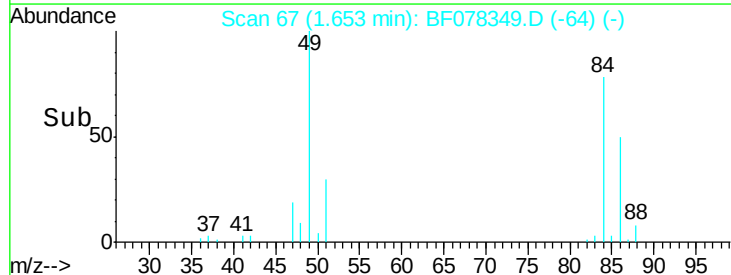
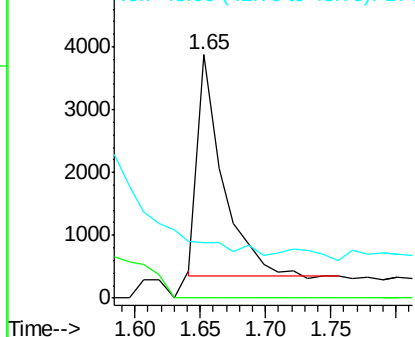
#2

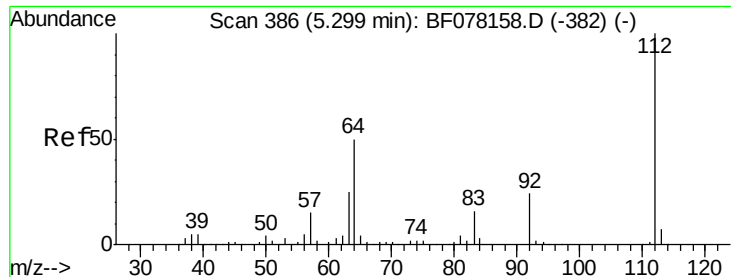
1,4-Dioxane
Concen: 3.94 ng
RT: 1.65 min Scan# 67
Delta R.T. -0.07 min
Lab File: BF078349.D
Acq: 8 Apr 2015 22:28

Tgt Ion: 88 Resp: 4682
Ion Ratio Lower Upper
88 100
58 0.0 56.9 85.3#
43 0.0 21.4 32.2#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#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

Instrument :

BNA_F

ClientSampleId :

OUTFALL-1

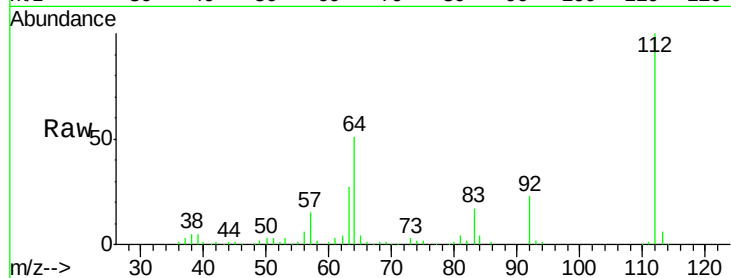
Tgt Ion: 112 Resp: 179161

Ion Ratio Lower Upper

112 100

64 50.9 39.9 59.9

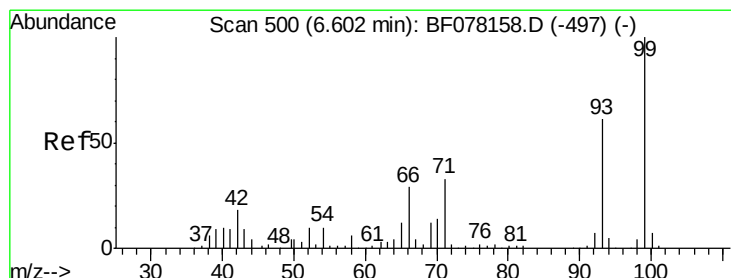
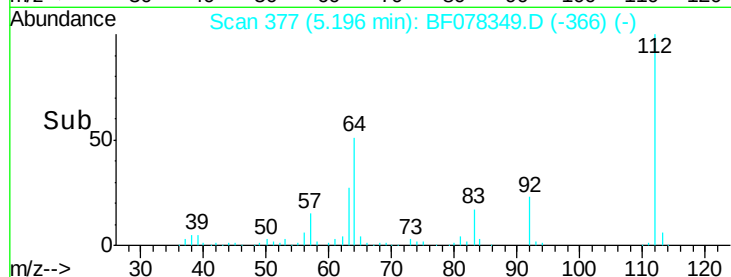
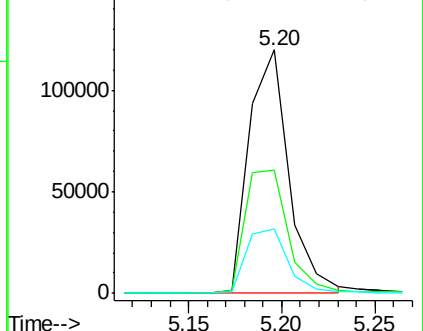
63 26.6 20.2 30.4



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

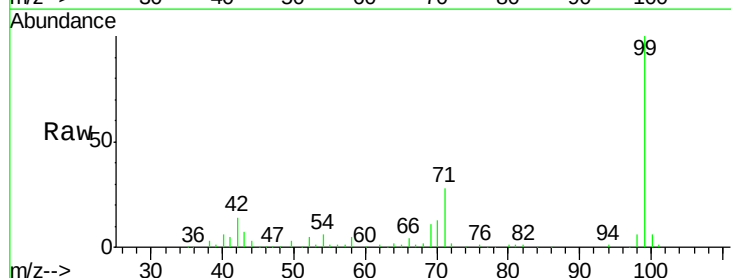
Tgt Ion: 99 Resp: 232040

Ion Ratio Lower Upper

99 100

42 14.3 14.8 22.2#

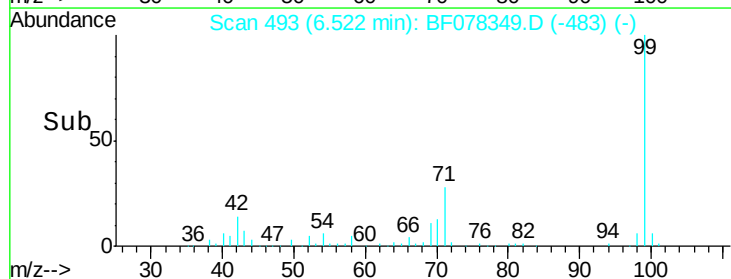
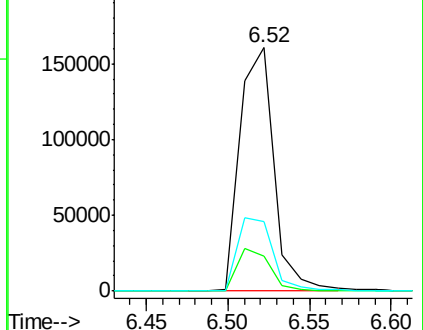
71 28.4 26.6 39.8

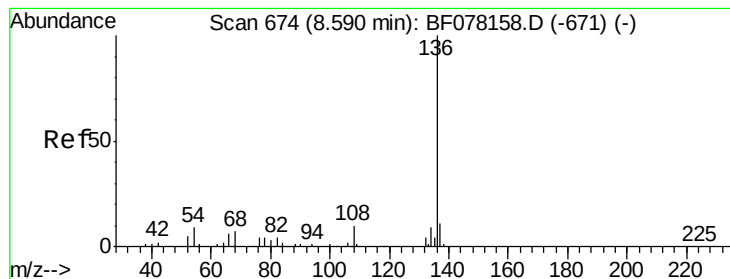


Abundance Ion 99.00 (98.70 to 99.70): BF0

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

Instrument :

BNA_F

ClientSampleId :

OUTFALL-1

Tgt Ion:136 Resp: 178062

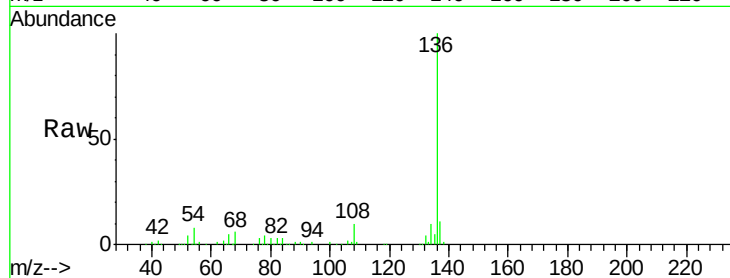
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 7.6 7.0 10.6

68 6.3 5.4 8.2

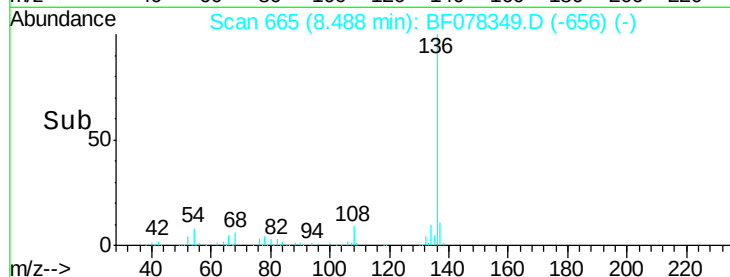


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

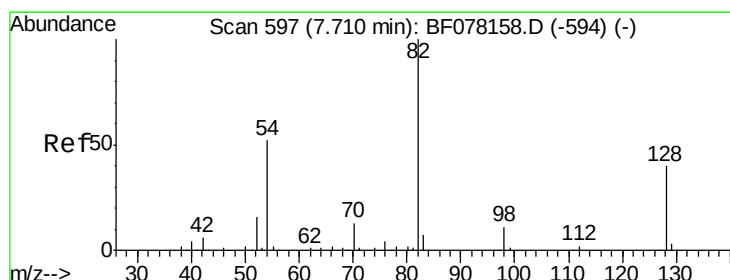
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->

8.49



#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

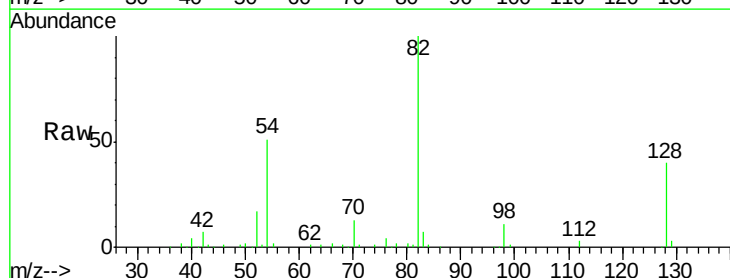
Tgt Ion: 82 Resp: 128202

Ion Ratio Lower Upper

82 100

128 39.7 31.8 47.8

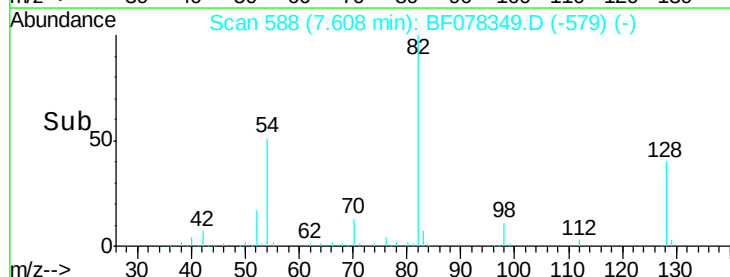
54 51.5 41.5 62.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

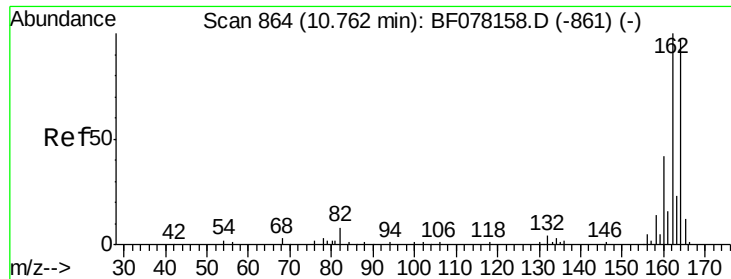
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->

7.61



#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

Instrument :

BNA_F

ClientSampleId :

OUTFALL-1

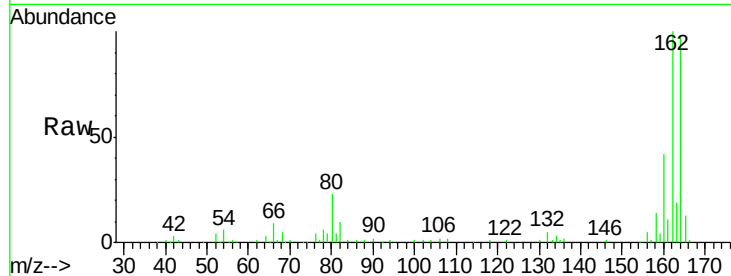
Tgt Ion:164 Resp: 88038

Ion Ratio Lower Upper

164 100

162 102.3 82.2 123.2

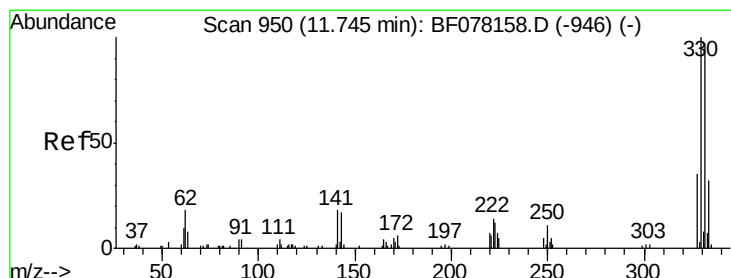
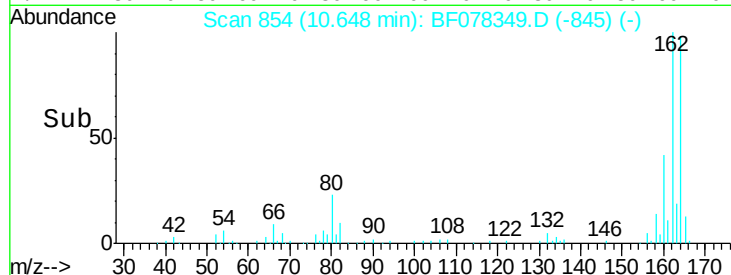
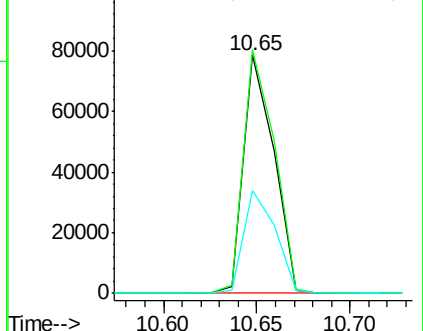
160 43.4 34.7 52.1



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

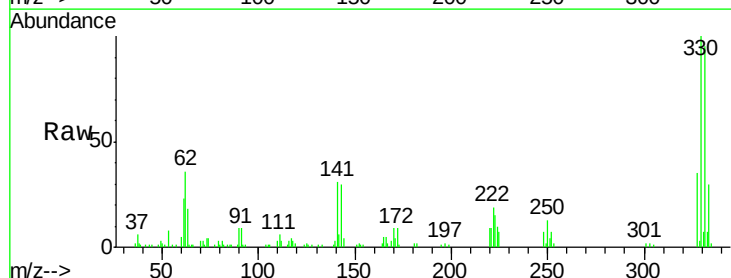
Tgt Ion:330 Resp: 52625

Ion Ratio Lower Upper

330 100

332 95.9 78.6 117.8

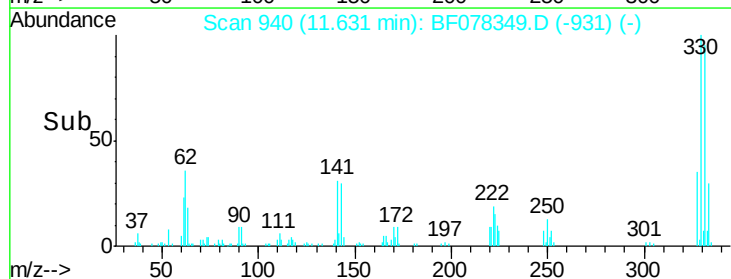
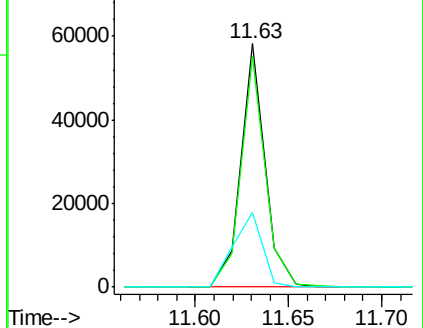
141 37.1 31.2 46.8

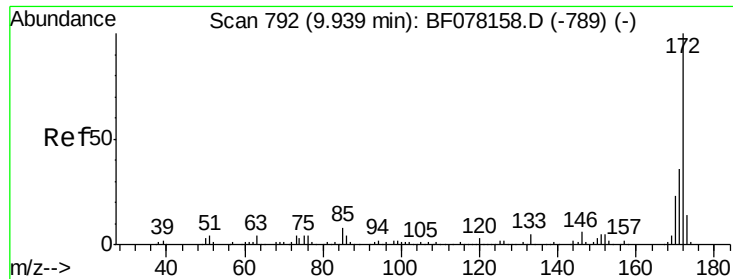


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

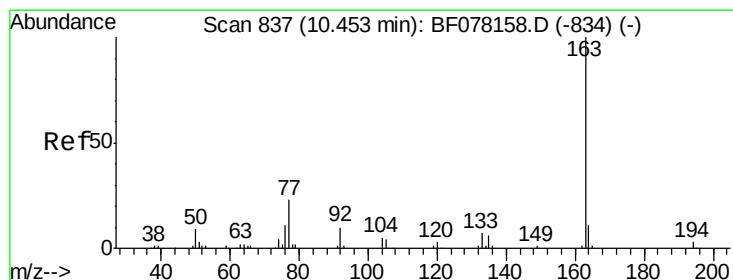
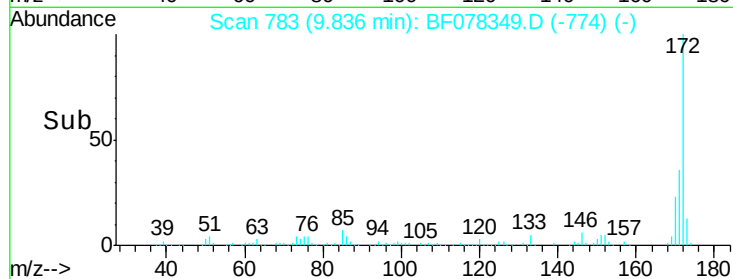
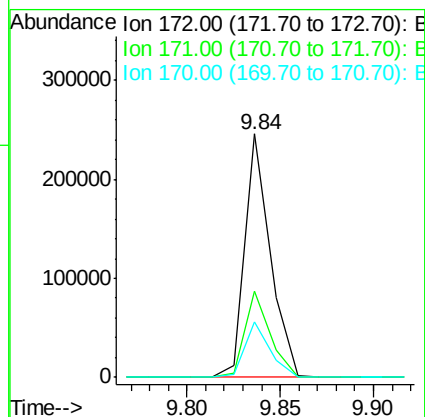
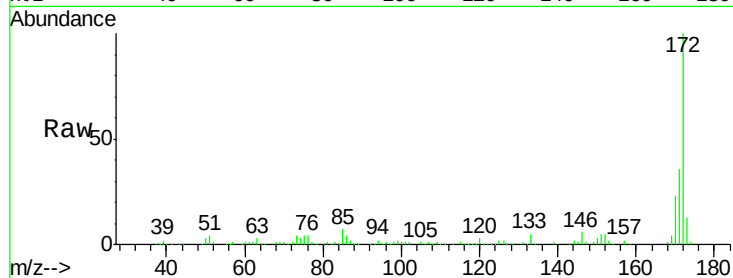




#44
 2-Fluorobiphenyl
 Concen: 37.83 ng
 RT: 9.84 min Scan# 783
 Delta R.T. -0.00 min
 Lab File: BF078349.D
 Acq: 8 Apr 2015 22:28

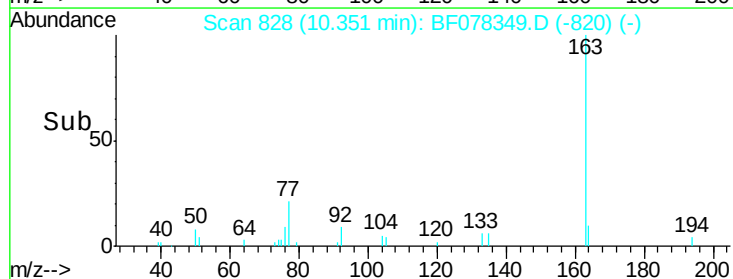
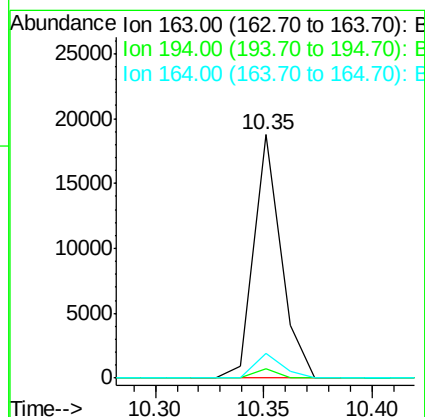
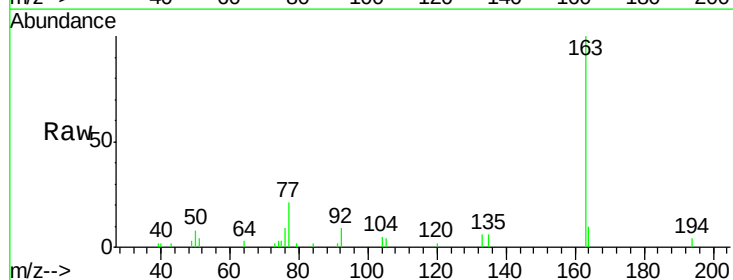
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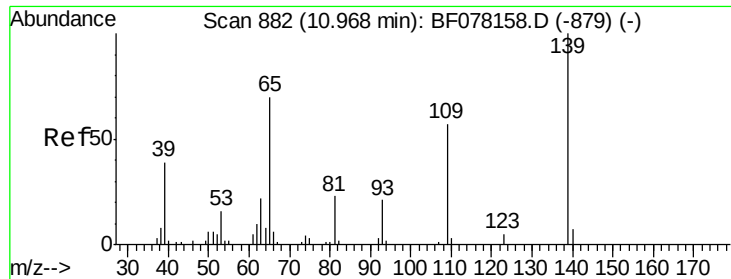
Tgt Ion:172 Resp: 232982
 Ion Ratio Lower Upper
 172 100
 171 35.6 28.6 42.8
 170 23.0 18.5 27.7



#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

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

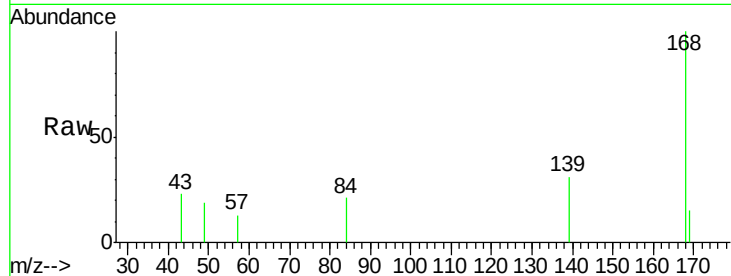




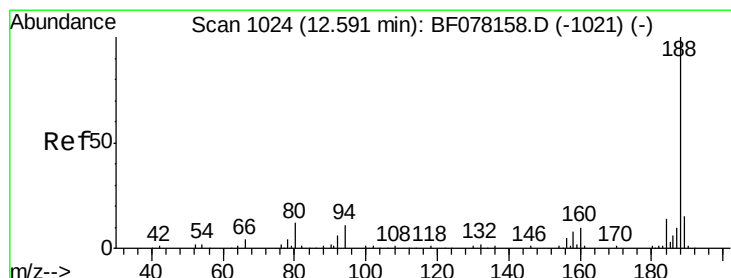
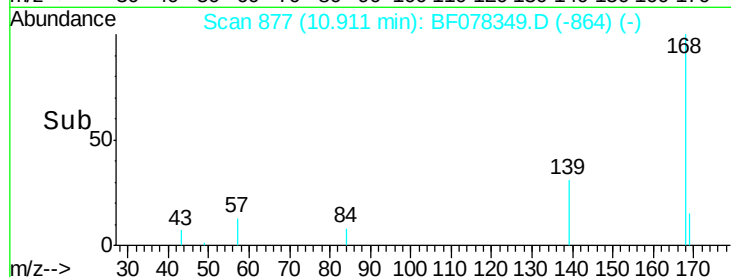
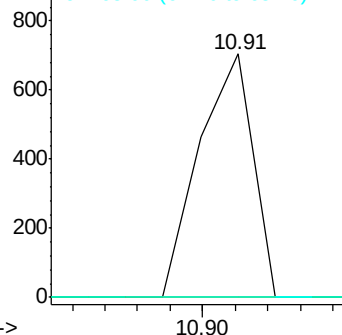
#55
4-Nitrophenol
Concen: 3.44 ng
RT: 10.91 min Scan# 877
Delta R.T. 0.05 min
Lab File: BF078349.D
Acq: 8 Apr 2015 22:28

Instrument :
BNA_F
ClientSampleId :
OUTFALL-1

Tgt Ion:139 Resp: 802
Ion Ratio Lower Upper
139 100
109 0.0 36.7 76.7#
65 0.0 49.9 89.9#

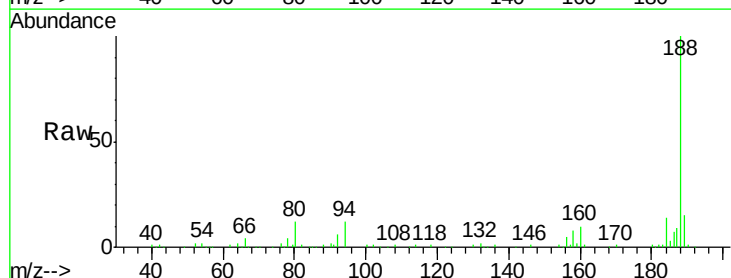


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

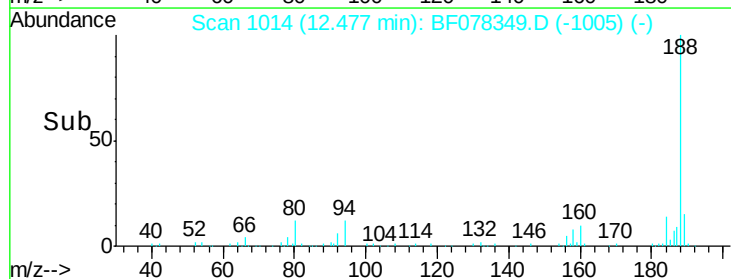
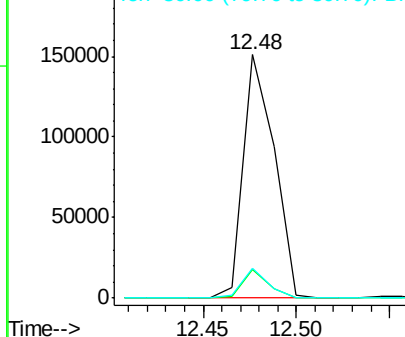


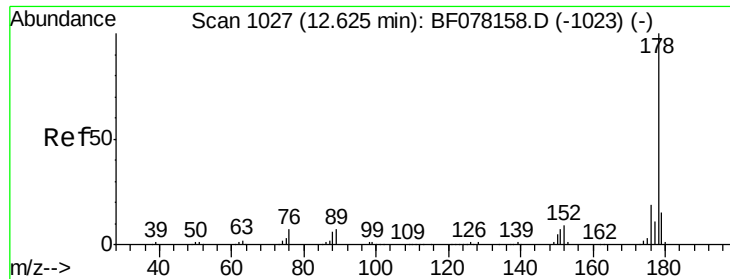
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.48 min Scan# 1014
Delta R.T. 0.00 min
Lab File: BF078349.D
Acq: 8 Apr 2015 22:28

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

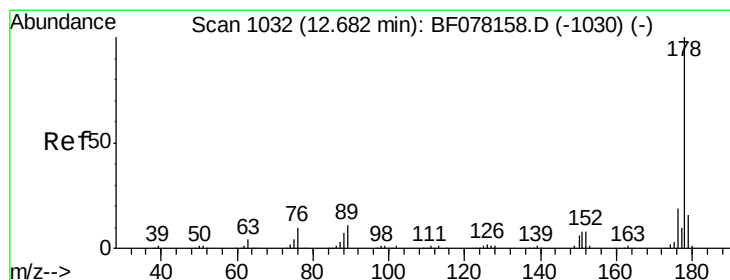
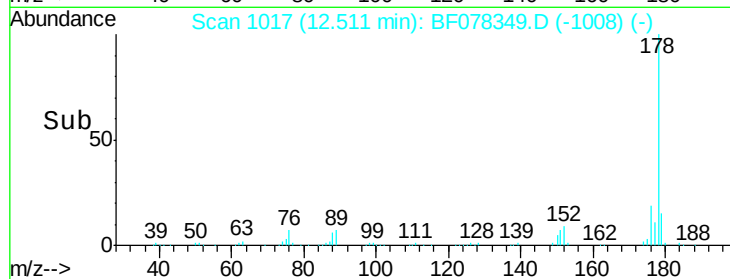
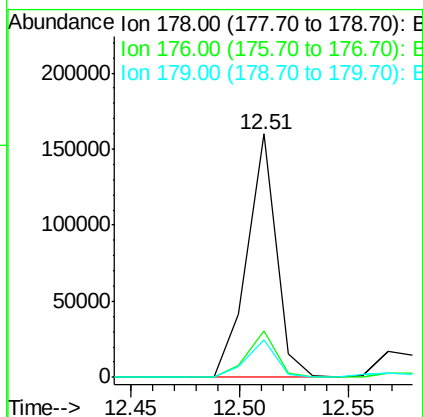
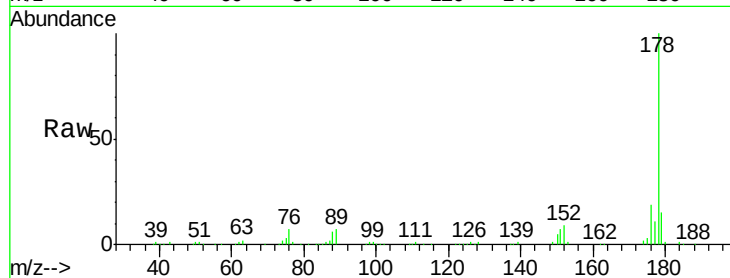




#70
Phenanthrene
Concen: 14.83 ng
RT: 12.51 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BF078349.D
Acq: 8 Apr 2015 22:28

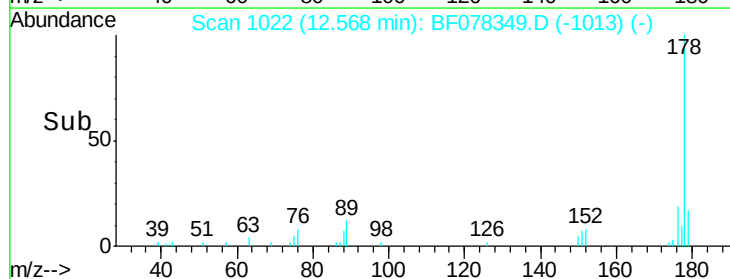
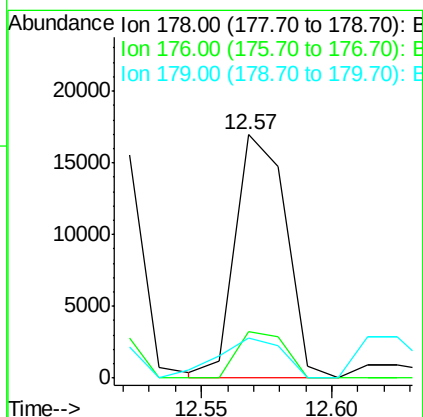
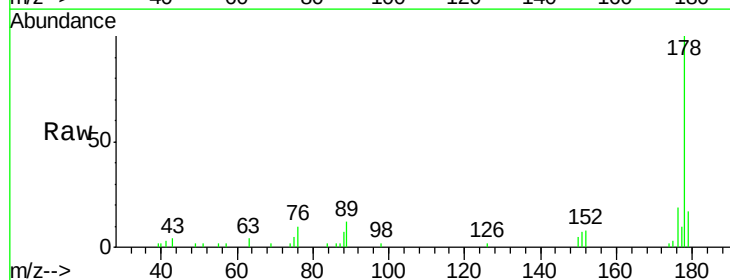
Instrument :
BNA_F
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OUTFALL-1

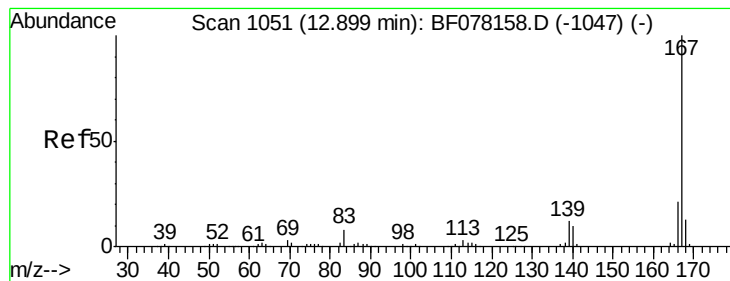
Tgt Ion:178 Resp: 149622
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.3 12.2 18.2



#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





#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

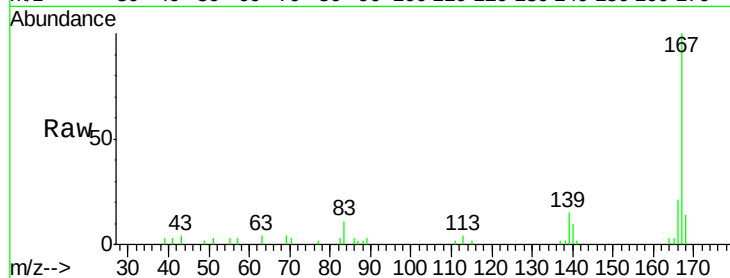
Tgt Ion:167 Resp: 18695

Ion Ratio Lower Upper

167 100

166 21.1 16.8 25.2

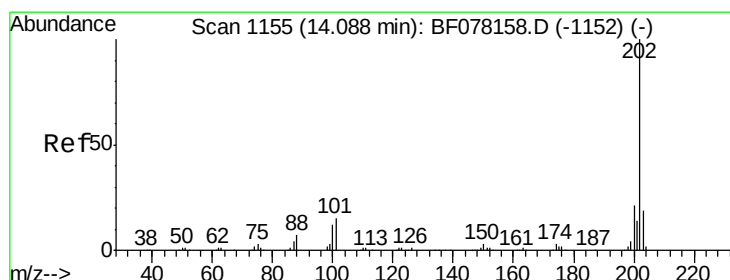
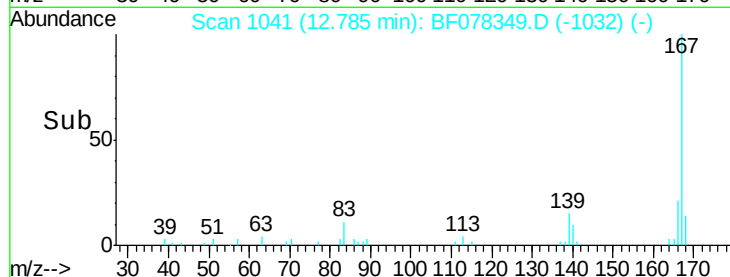
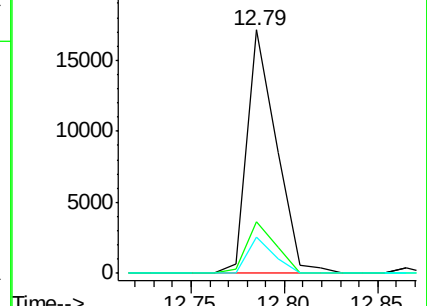
139 14.7 10.0 15.0



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

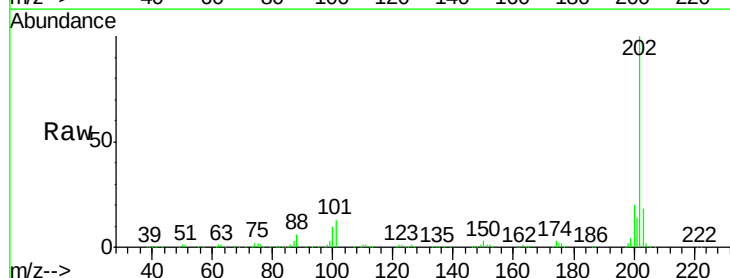
Tgt Ion:202 Resp: 336349

Ion Ratio Lower Upper

202 100

101 13.0 0.0 35.2

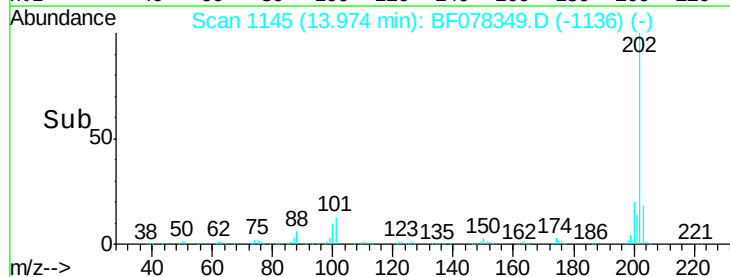
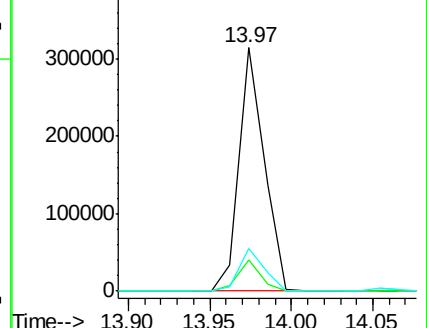
203 17.6 0.0 38.5

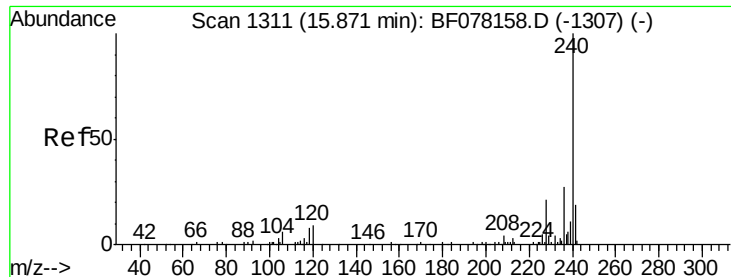


Abundance Ion 202.00 (201.70 to 202.70): E

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

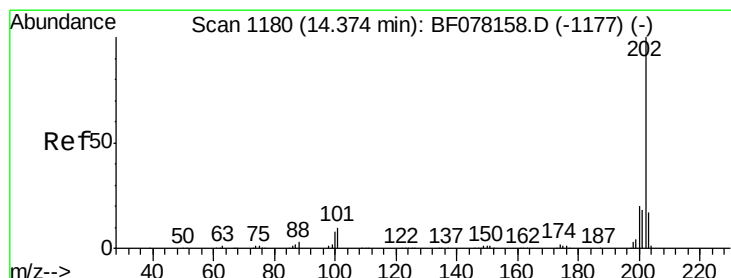
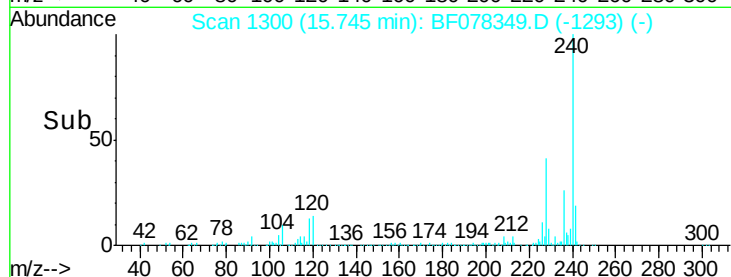
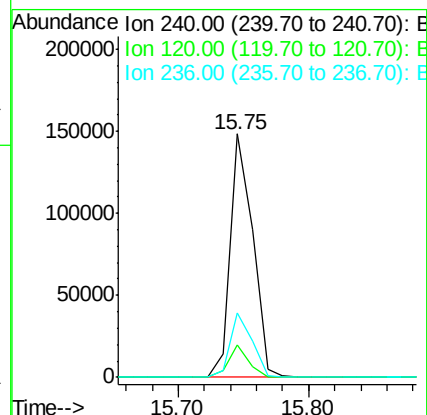
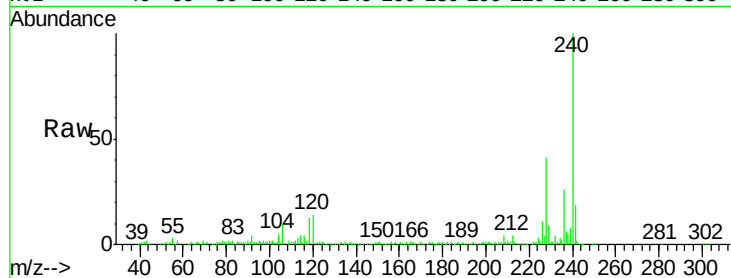
Tgt Ion:240 Resp: 178532

Ion Ratio Lower Upper

240 100

120 13.6 7.1 10.7#

236 26.2 21.4 32.2



#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

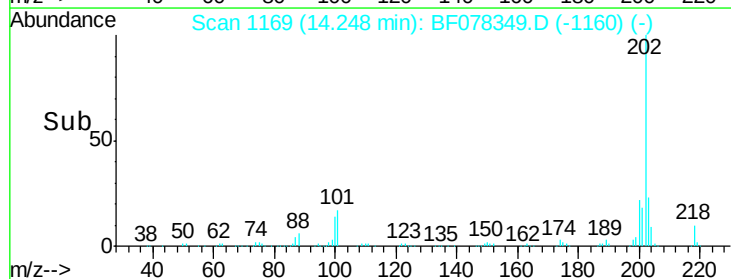
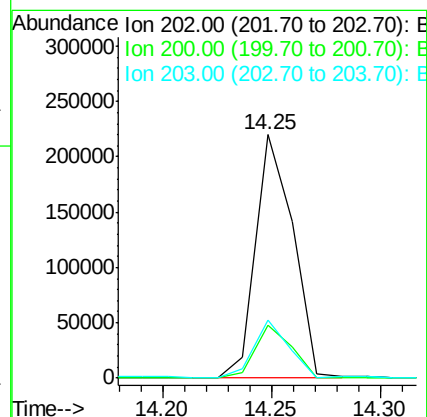
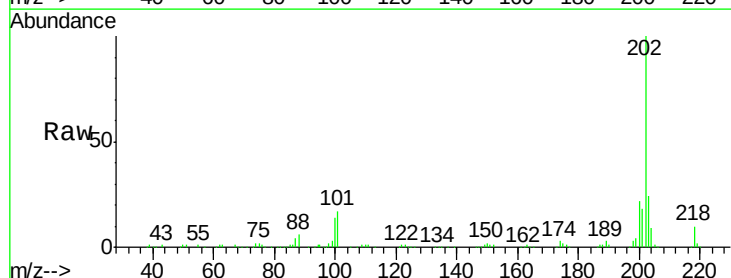
Tgt Ion:202 Resp: 264542

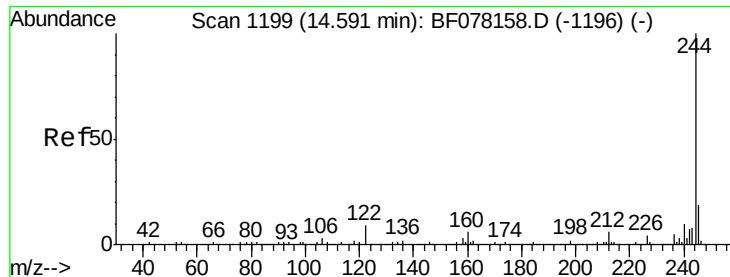
Ion Ratio Lower Upper

202 100

200 21.7 16.3 24.5

203 23.9 13.8 20.6#





#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

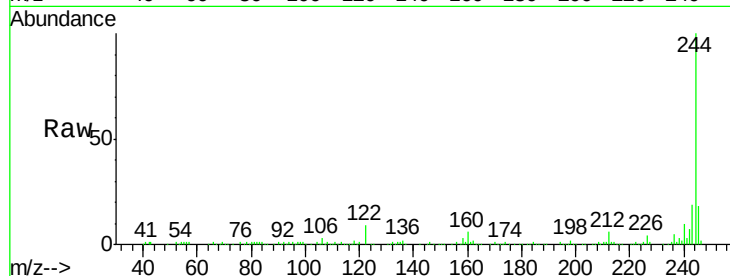
Tgt Ion:244 Resp: 236456

Ion Ratio Lower Upper

244 100

212 6.1 5.0 7.4

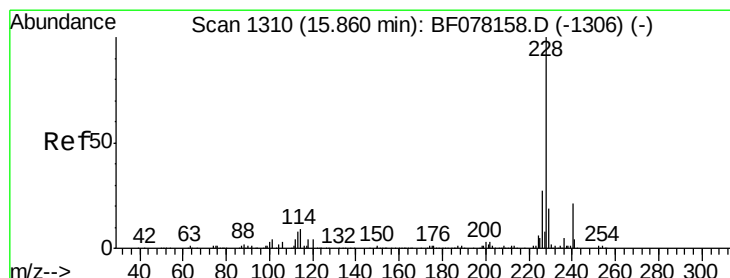
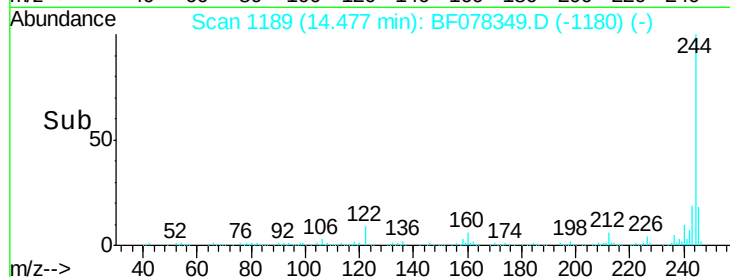
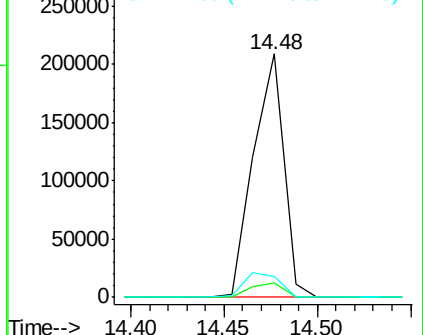
122 8.5 7.1 10.7



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

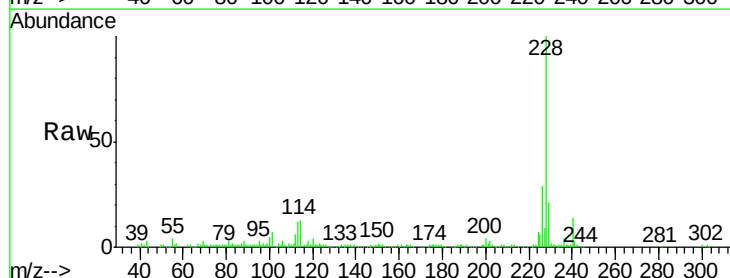
Tgt Ion:228 Resp: 139733

Ion Ratio Lower Upper

228 100

226 29.4 21.3 31.9

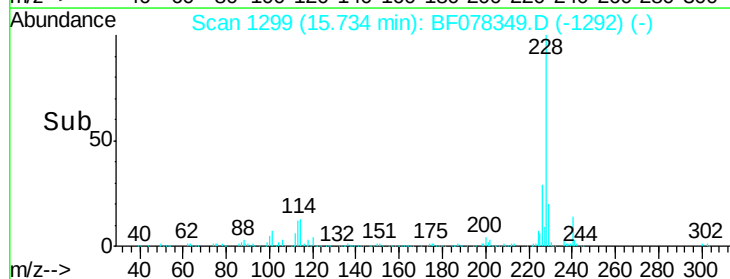
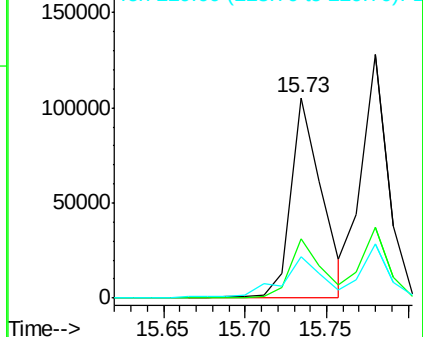
229 20.6 15.4 23.2

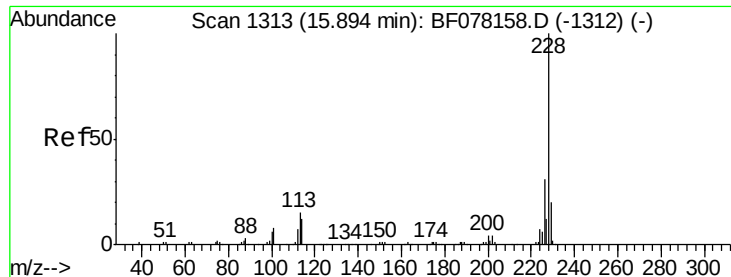


Abundance Ion 228.00 (227.70 to 228.70): E

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

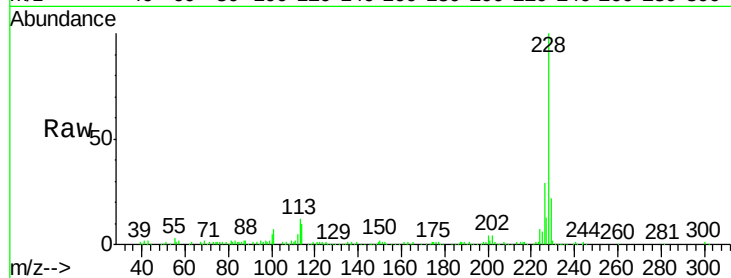
Tgt Ion:228 Resp: 144360

Ion Ratio Lower Upper

228 100

226 29.3 24.2 36.4

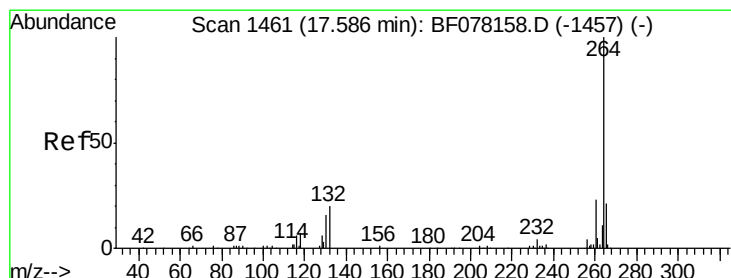
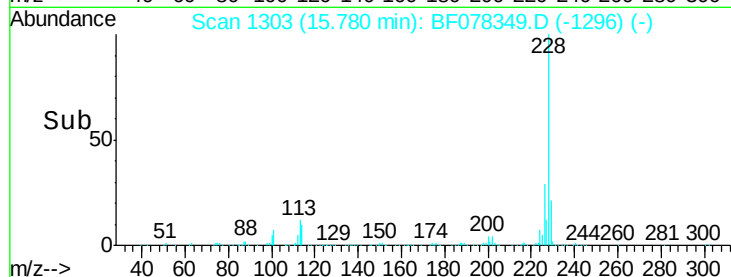
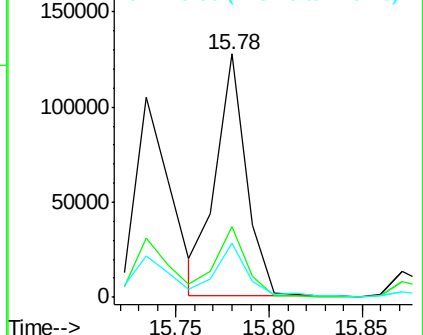
229 22.1 15.8 23.8



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



#86

Perylene-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

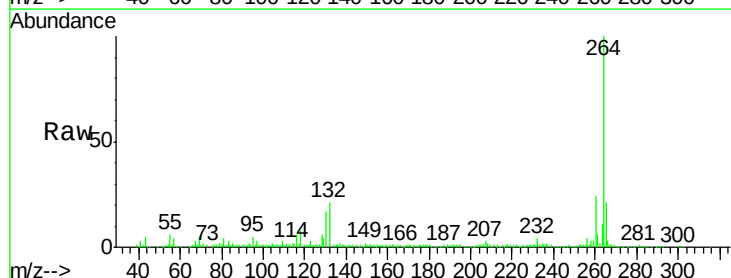
Tgt Ion:264 Resp: 168840

Ion Ratio Lower Upper

264 100

260 24.4 18.6 27.8

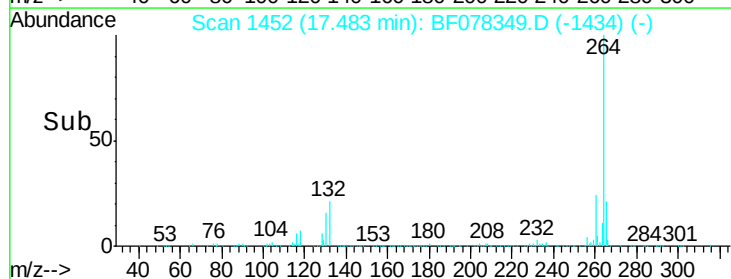
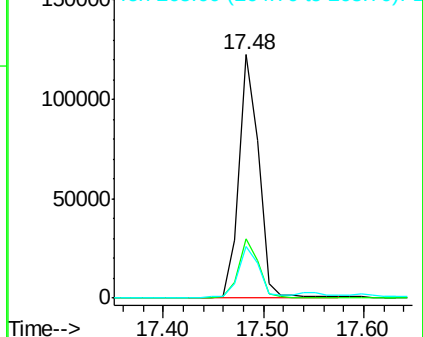
265 21.4 17.0 25.6

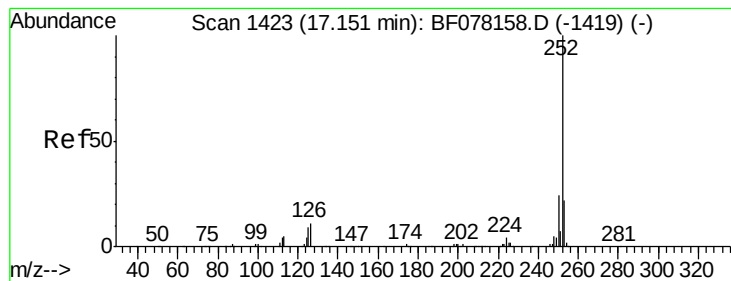


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 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

Instrument :

BNA_F

ClientSampleId :

OUTFALL-1

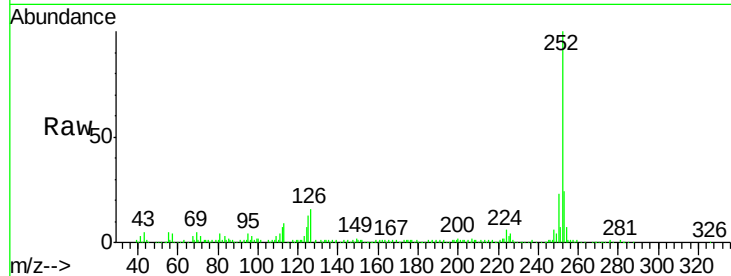
Tgt Ion:252 Resp: 210803

Ion Ratio Lower Upper

252 100

253 23.5 17.2 25.8

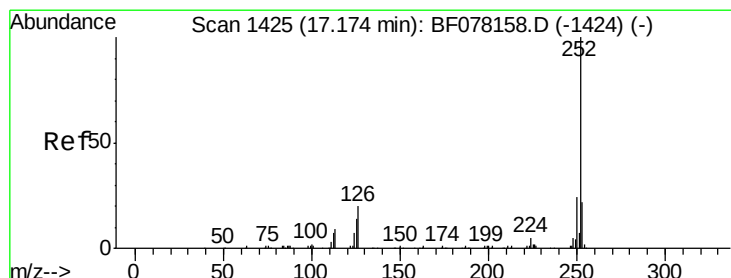
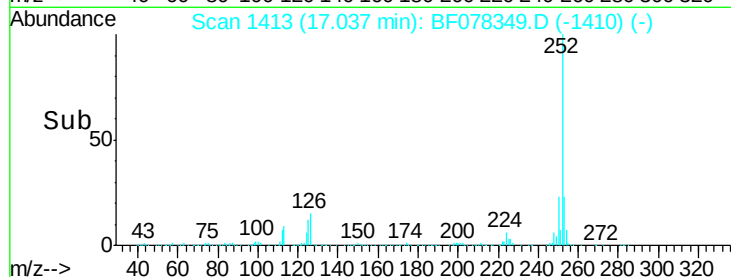
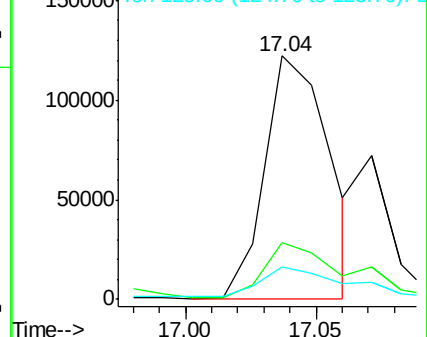
125 13.1 7.0 10.4#



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: 29.52 ng

RT: 17.04 min Scan# 1413

Delta R.T. -0.10 min

Lab File: BF078349.D

Acq: 8 Apr 2015 22:28

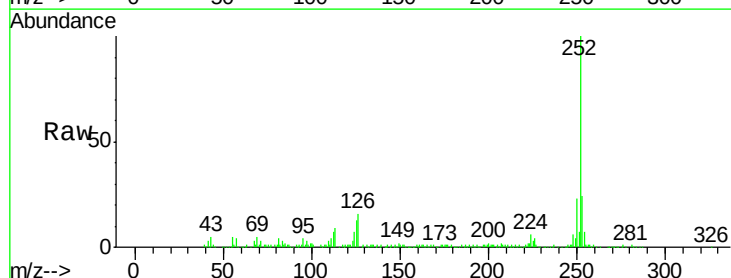
Tgt Ion:252 Resp: 273713

Ion Ratio Lower Upper

252 100

253 23.5 17.5 26.3

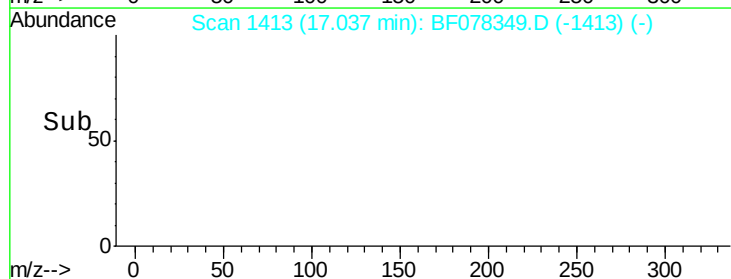
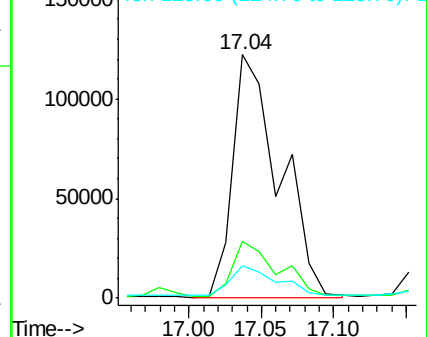
125 13.1 11.6 17.4

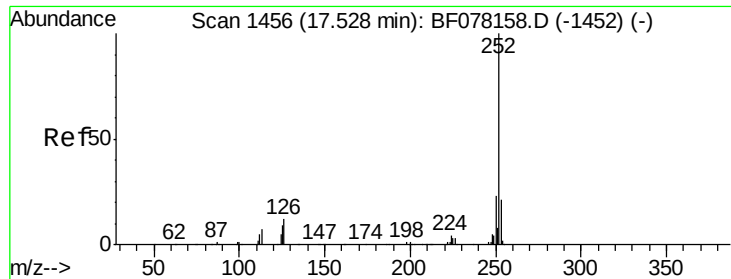


Abundance Ion 252.00 (251.70 to 252.70): E

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

RT: 17.43 min Scan# 1447

Delta R.T. -0.08 min

Lab File: BF078349.D

Acq: 8 Apr 2015 22:28

Instrument :

BNA_F

ClientSampleId :

OUTFALL-1

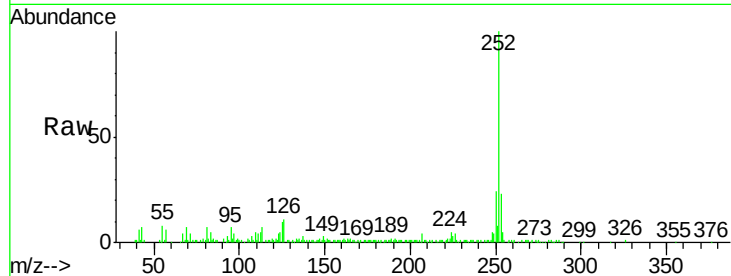
Tgt Ion:252 Resp: 119013

Ion Ratio Lower Upper

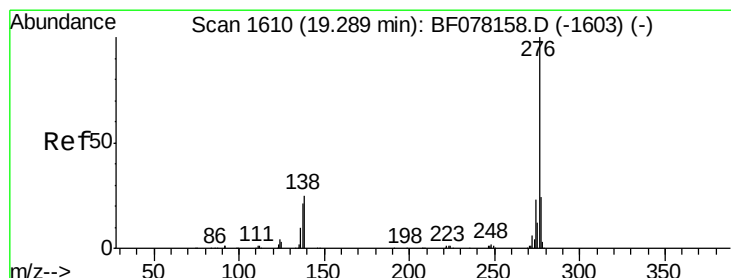
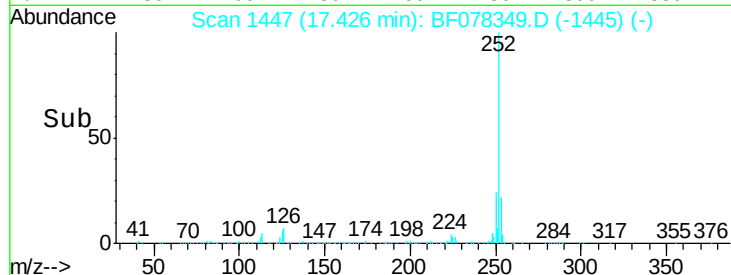
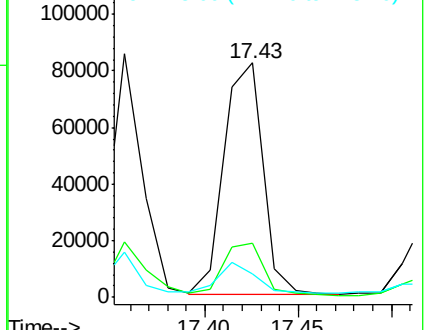
252 100

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



#91

Benzo(g,h,i)perylene

Concen: 9.51 ng

RT: 19.13 min Scan# 1596

Delta R.T. -0.13 min

Lab File: BF078349.D

Acq: 8 Apr 2015 22:28

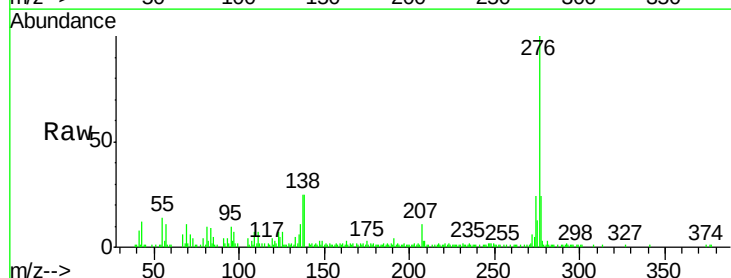
Tgt Ion:276 Resp: 86976

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

