

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
 Data File : BF078958.D
 Acq On : 6 May 2015 14:11
 Operator : TP/IZ
 Sample : G2116-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-46D

Quant Time: May 07 01:08:01 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 07 00:45:56 2015
 Response via : Initial Calibration

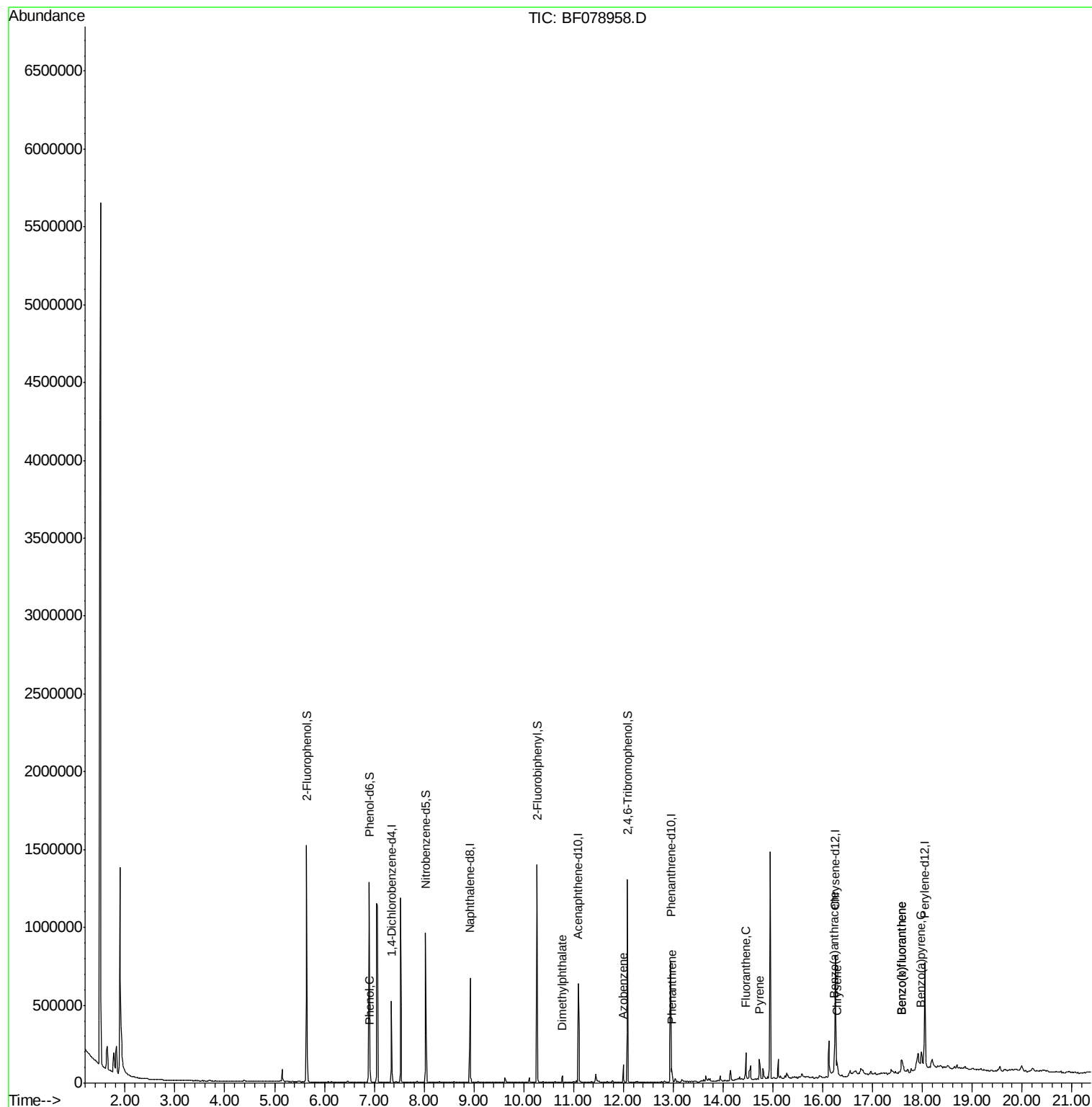
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	76595	20.00	ng	0.00
21) Naphthalene-d8	8.92	136	316646	20.00	ng	0.00
38) Acenaphthene-d10	11.10	164	147118	20.00	ng	0.00
63) Phenanthrene-d10	12.95	188	295763	20.00	ng	0.00
75) Chrysene-d12	16.25	240	303469	20.00	ng	-0.06
86) Perylene-d12	18.05	264	335693	20.00	ng	-0.18
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	448820	100.87	ng	0.01
7) Phenol-d6	6.90	99	604724	102.82	ng	0.01
23) Nitrobenzene-d5	8.03	82	313515	56.90	ng	0.00
41) 2,4,6-Tribromophenol	12.08	330	160402	100.78	ng	0.00
44) 2-Fluorobiphenyl	10.27	172	604372	57.23	ng	0.00
78) Terphenyl-d14	0.00	244	0	0.00	ng	
Target Compounds						
10) Phenol	6.91	94	17788	2.61	ng	99
49) Dimethylphthalate	10.78	163	24704	2.29	ng	98
62) Azobenzene	12.00	77	22323	2.12	ng	# 1
70) Phenanthrene	12.97	178	39046	2.36	ng	99
74) Fluoranthene	14.46	202	71923	4.17	ng	95
77) Pyrene	14.73	202	66310	3.79	ng	# 95
80) Benzo(a)anthracene	16.24	228	37399	2.25	ng	96
82) Chrysene	16.29	228	32276	2.02	ng	96
87) Benzo(b)fluoranthene	17.59	252	43948	2.39	ng	98
88) Benzo(k)fluoranthene	17.59	252	61269	3.44	ng	99
89) Benzo(a)pyrene	17.98	252	36931	2.18	ng	# 94

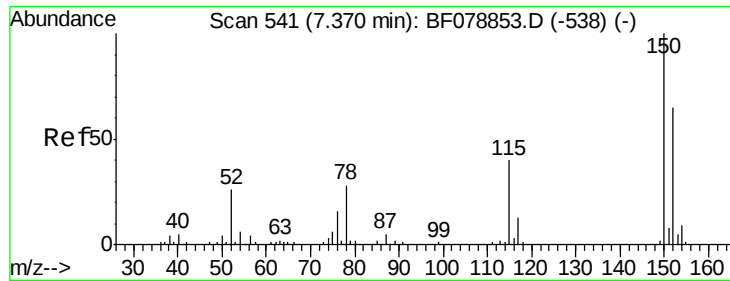
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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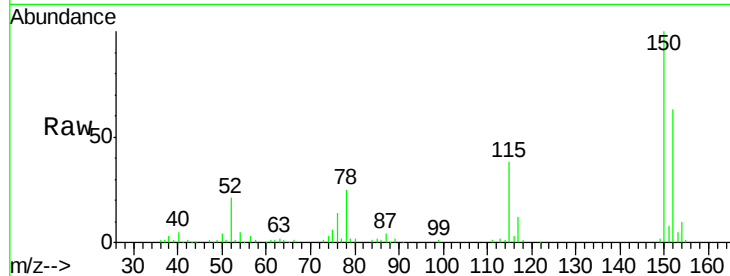




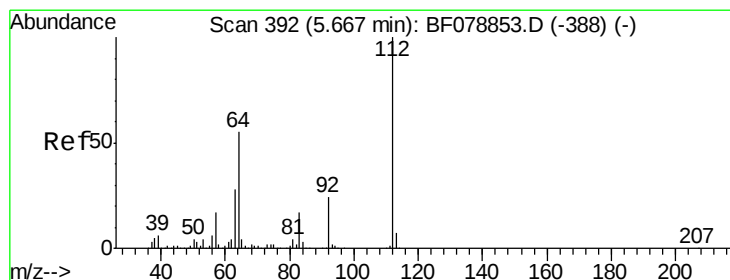
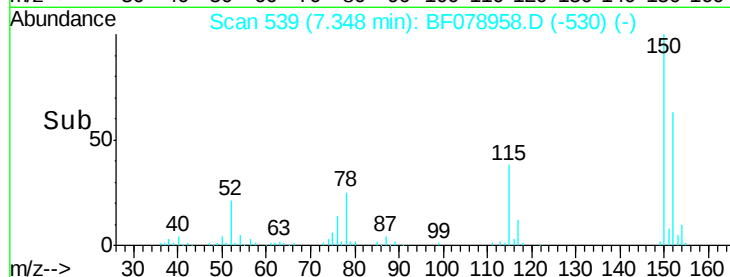
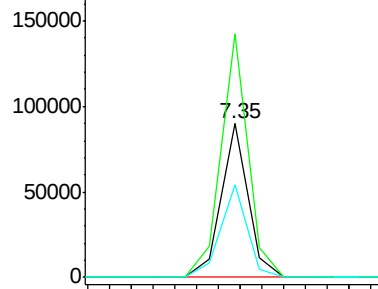
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.35 min Scan# 539
 Delta R.T. 0.00 min
 Lab File: BF078958.D
 Acq: 6 May 2015 14:11

Instrument :
 BNA_F
 ClientSampleId :
 SB-46D

Tgt Ion:152 Resp: 76595
 Ion Ratio Lower Upper
 152 100
 150 158.2 122.0 183.0
 115 60.1 46.3 69.5

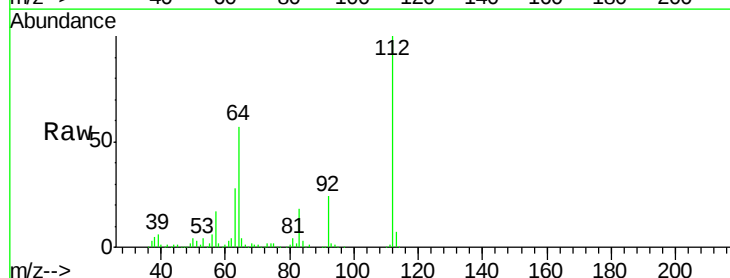


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

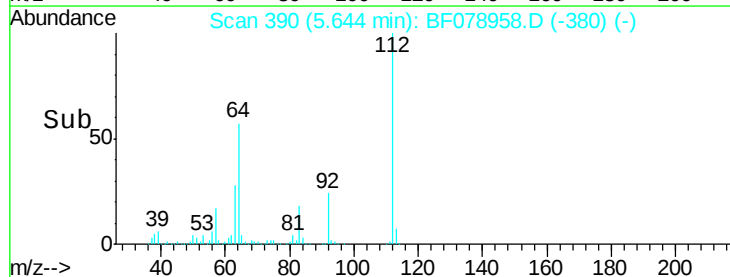
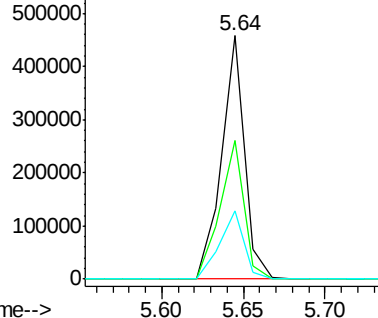


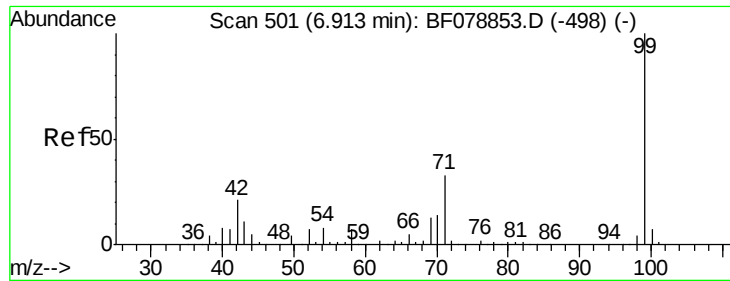
#5
 2-Fluorophenol
 Concen: 100.87 ng
 RT: 5.64 min Scan# 390
 Delta R.T. 0.01 min
 Lab File: BF078958.D
 Acq: 6 May 2015 14:11

Tgt Ion:112 Resp: 448820
 Ion Ratio Lower Upper
 112 100
 64 56.9 53.5 80.3
 63 28.3 27.5 41.3



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: 102.82 ng

RT: 6.90 min Scan# 500

Delta R.T. 0.01 min

Lab File: BF078958.D

Acq: 6 May 2015 14:11

Instrument :

BNA_F

ClientSampleId :

SB-46D

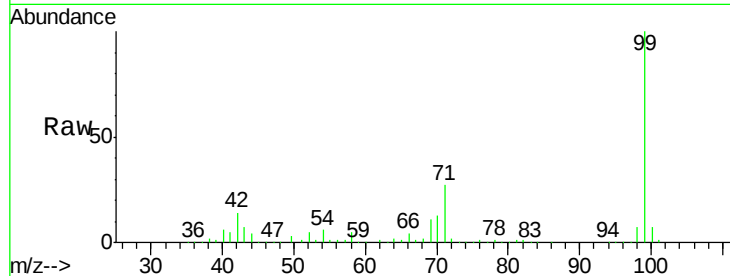
Tgt Ion: 99 Resp: 604724

Ion Ratio Lower Upper

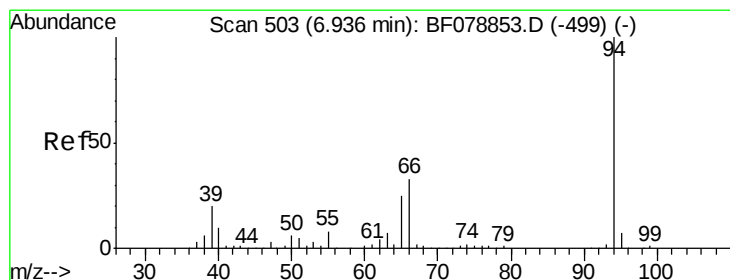
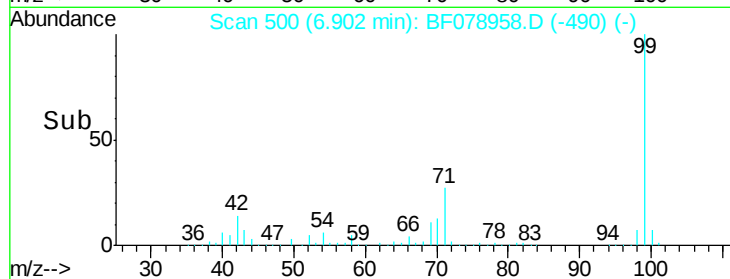
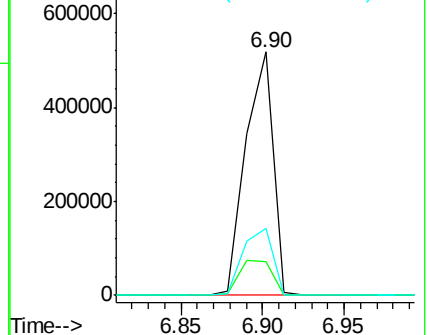
99 100

42 14.1 12.8 19.2

71 27.4 23.4 35.2



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: 2.61 ng

RT: 6.91 min Scan# 501

Delta R.T. 0.00 min

Lab File: BF078958.D

Acq: 6 May 2015 14:11

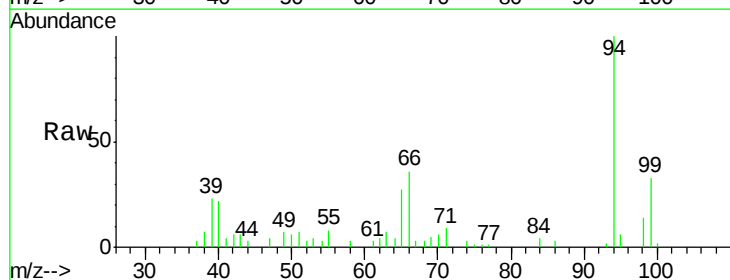
Tgt Ion: 94 Resp: 17788

Ion Ratio Lower Upper

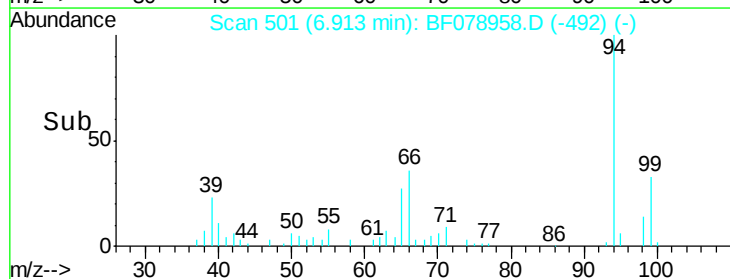
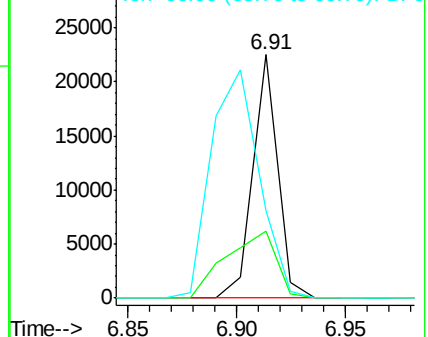
94 100

65 27.4 8.5 48.5

66 35.9 16.0 56.0



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

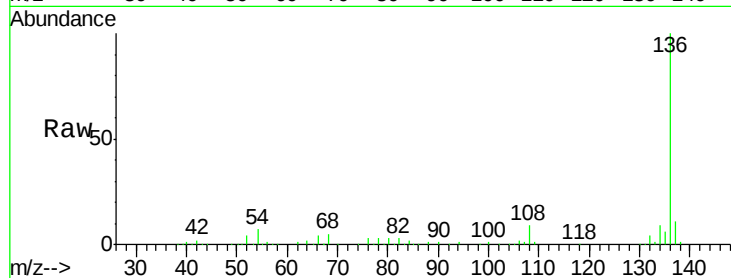




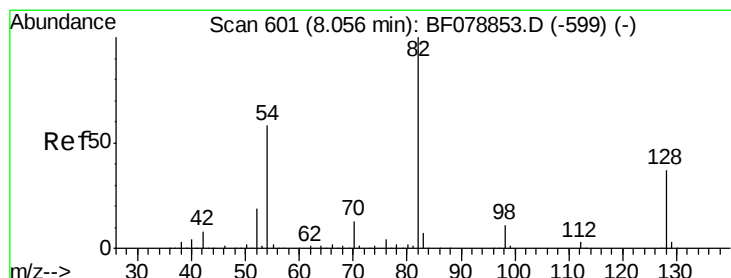
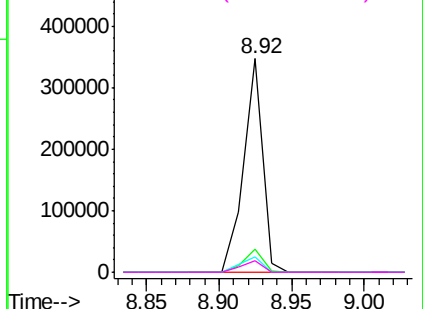
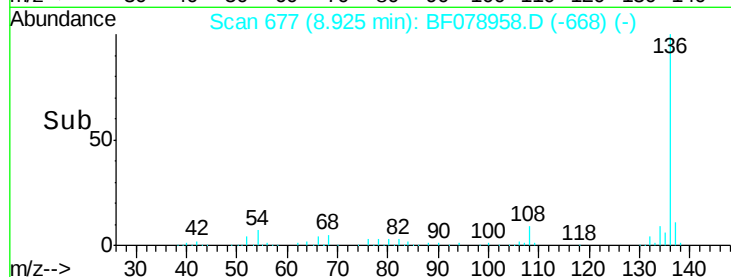
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.92 min Scan# 677
Delta R.T. 0.00 min
Lab File: BF078958.D
Acq: 6 May 2015 14:11

Instrument :
BNA_F
ClientSampleId :
SB-46D

Tgt Ion:	136	Resp:	316646
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.7	13.1
54	6.9	5.8	8.8
68	5.1	4.2	6.4

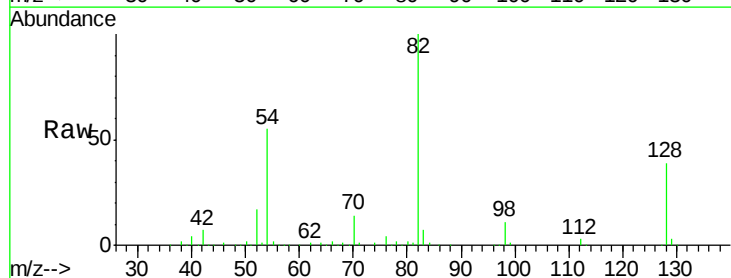


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

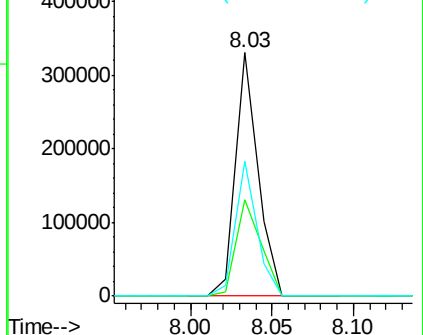
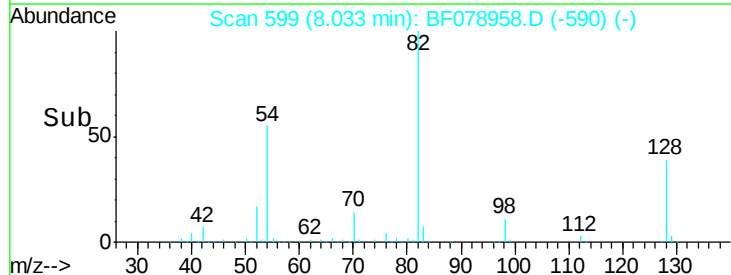


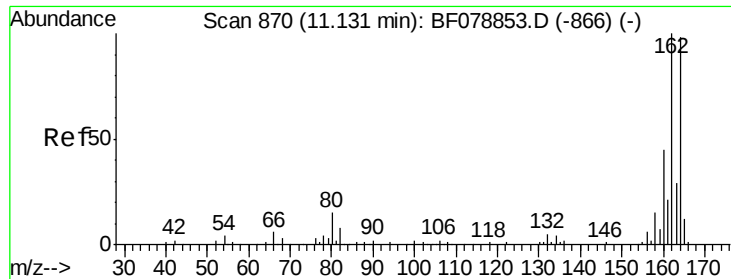
#23
Nitrobenzene-d5
Concen: 56.90 ng
RT: 8.03 min Scan# 599
Delta R.T. 0.00 min
Lab File: BF078958.D
Acq: 6 May 2015 14:11

Tgt Ion:	82	Resp:	313515
Ion	Ratio	Lower	Upper
82	100		
128	39.4	30.0	45.0
54	55.3	46.4	69.6



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

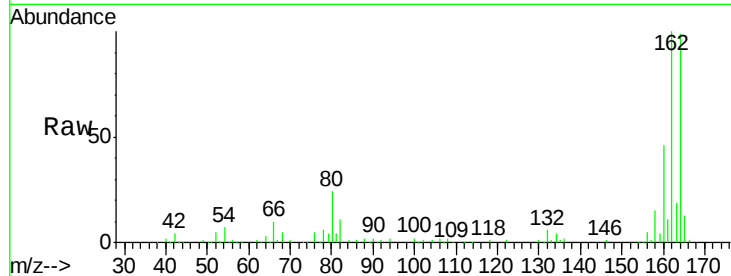




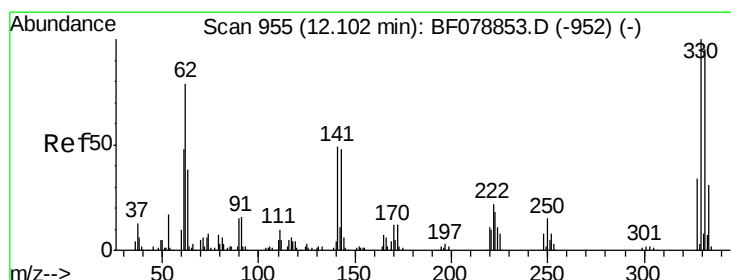
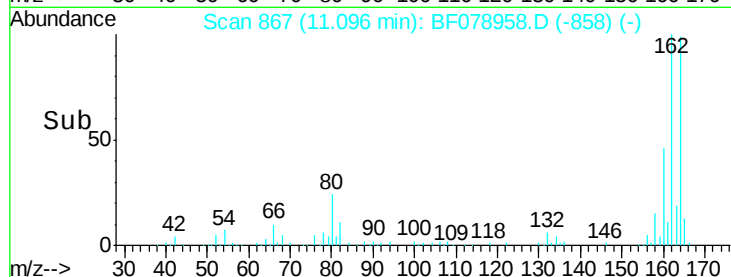
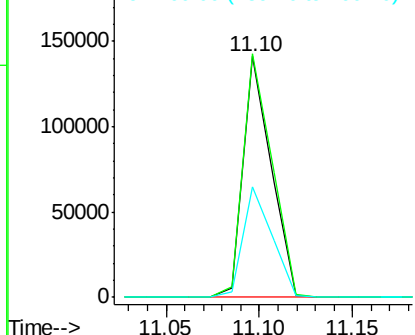
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.10 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: BF078958.D
 Acq: 6 May 2015 14:11

Instrument :
 BNA_F
 ClientSampleId :
 SB-46D

Tgt Ion:164 Resp: 147118
 Ion Ratio Lower Upper
 164 100
 162 101.0 82.7 124.1
 160 46.1 35.8 53.8

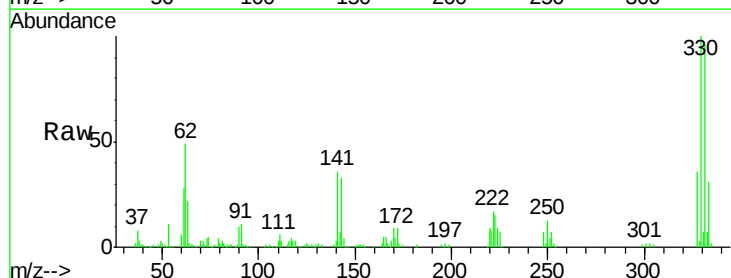


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

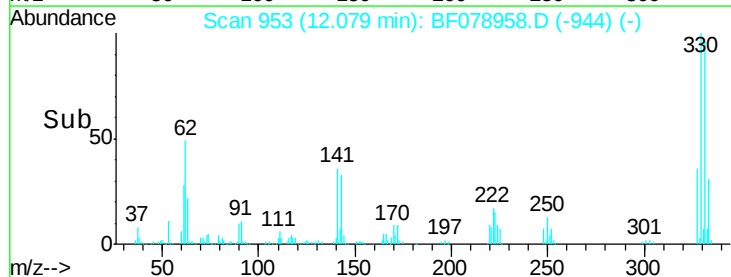
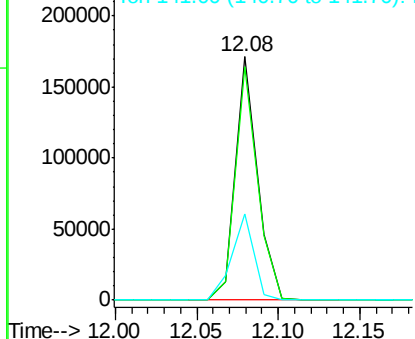


#41
 2,4,6-Tribromophenol
 Concen: 100.78 ng
 RT: 12.08 min Scan# 953
 Delta R.T. 0.00 min
 Lab File: BF078958.D
 Acq: 6 May 2015 14:11

Tgt Ion:330 Resp: 160402
 Ion Ratio Lower Upper
 330 100
 332 96.3 0.0 0.0#
 141 35.2 0.0 0.0#



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

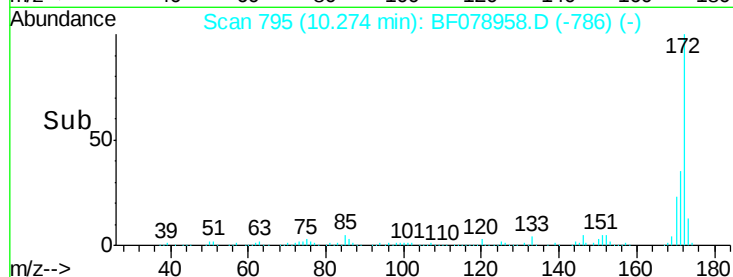
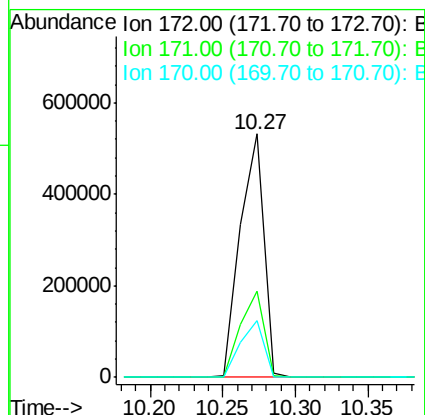
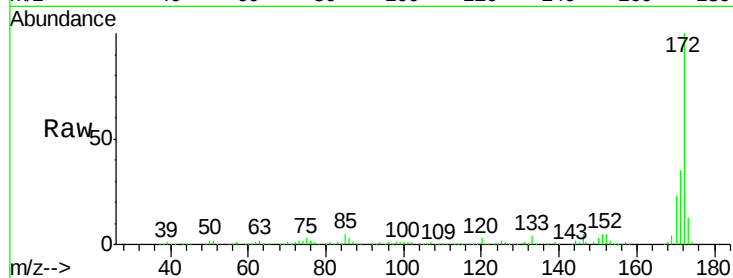




#44
2-Fluorobiphenyl
Concen: 57.23 ng
RT: 10.27 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF078958.D
Acq: 6 May 2015 14:11

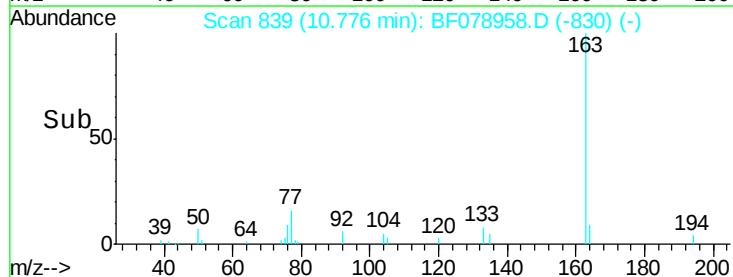
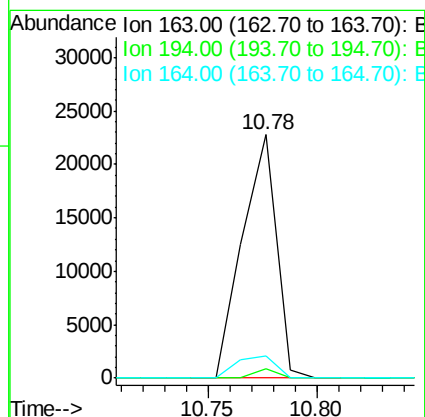
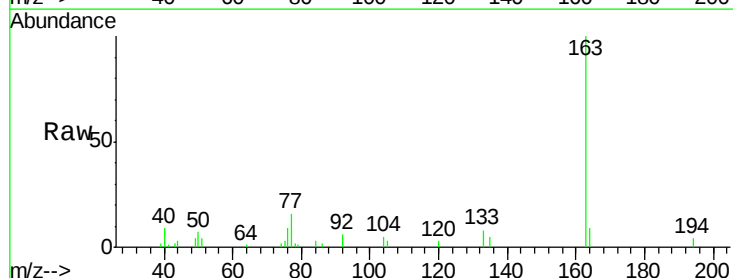
Instrument :
BNA_F
ClientSampleId :
SB-46D

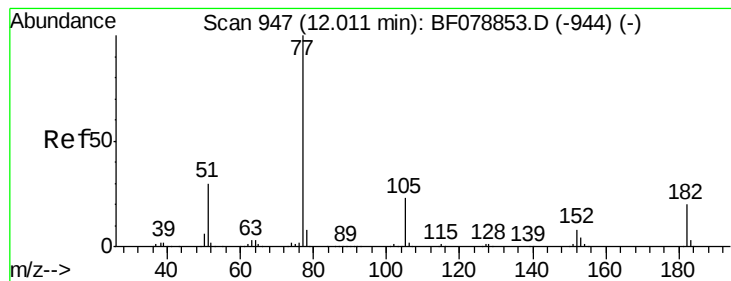
Tgt Ion:172 Resp: 604372
Ion Ratio Lower Upper
172 100
171 35.2 27.9 41.9
170 23.4 19.4 29.0



#49
Dimethylphthalate
Concen: 2.29 ng
RT: 10.78 min Scan# 839
Delta R.T. 0.00 min
Lab File: BF078958.D
Acq: 6 May 2015 14:11

Tgt Ion:163 Resp: 24704
Ion Ratio Lower Upper
163 100
194 3.9 2.6 4.0
164 9.1 8.1 12.1





#62

Azobenzene

Concen: 2.12 ng

RT: 12.00 min Scan# 946

Delta R.T. 0.01 min

Lab File: BF078958.D

Acq: 6 May 2015 14:11

Instrument :

BNA_F

ClientSampleId :

SB-46D

Tgt Ion: 77 Resp: 22323

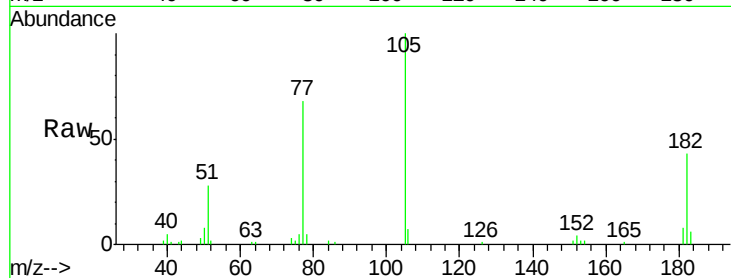
Ion Ratio Lower Upper

77 100

182 62.6 3.8 43.8#

105 146.8 3.9 43.9#

51 40.7 10.8 50.8

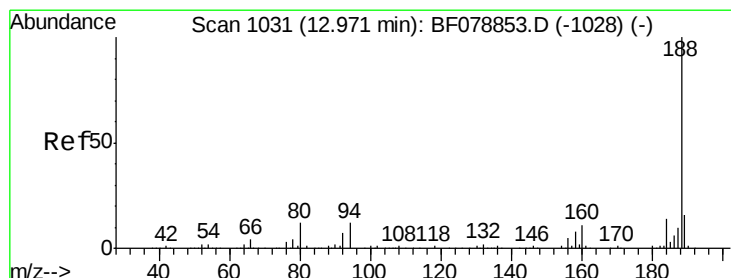
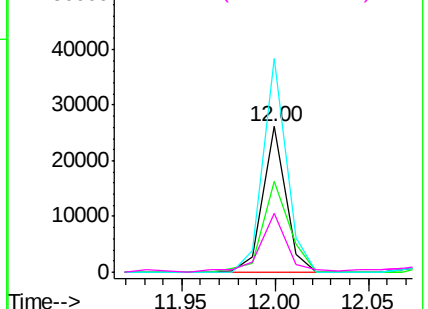
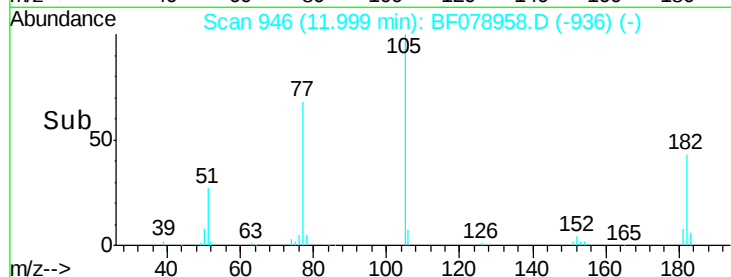


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.95 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BF078958.D

Acq: 6 May 2015 14:11

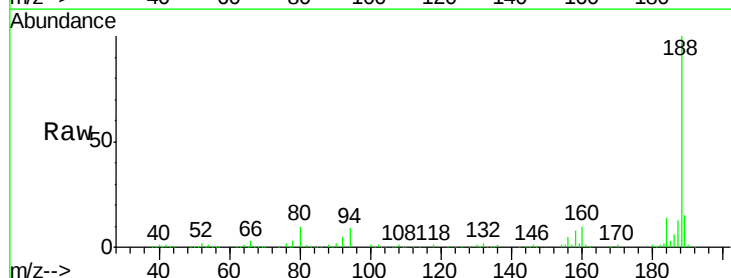
Tgt Ion: 188 Resp: 295763

Ion Ratio Lower Upper

188 100

94 9.2 8.2 12.2

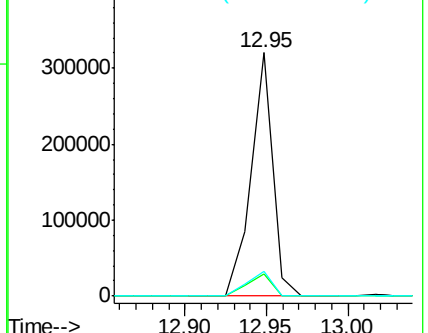
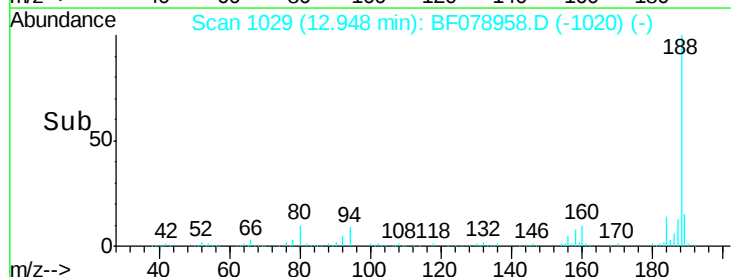
80 10.0 8.9 13.3

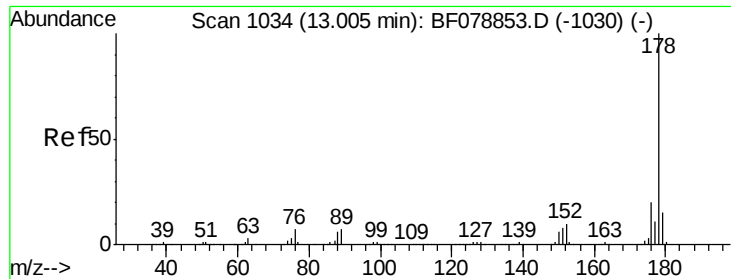


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

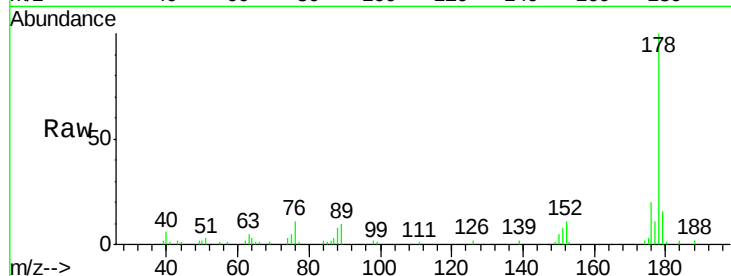




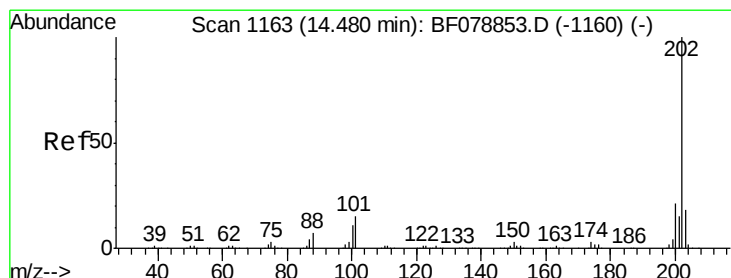
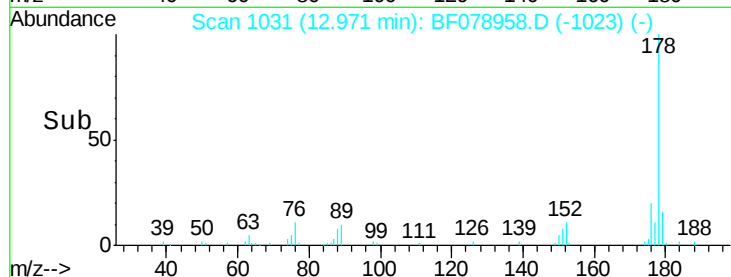
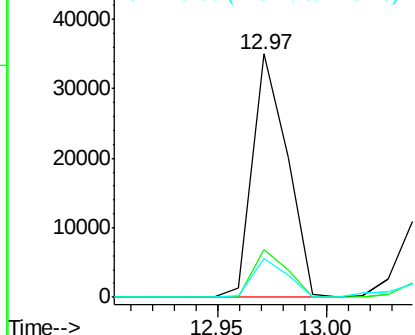
#70
Phenanthrene
Concen: 2.36 ng
RT: 12.97 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF078958.D
Acq: 6 May 2015 14:11

Instrument :
BNA_F
ClientSampleId :
SB-46D

Tgt Ion:178 Resp: 39046
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.8
179 15.9 12.5 18.7

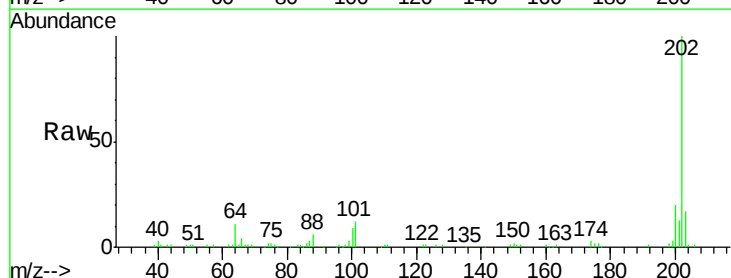


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

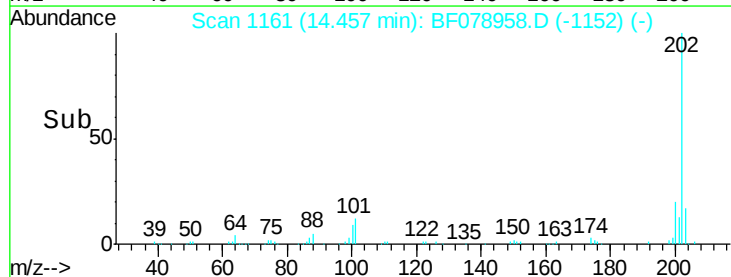
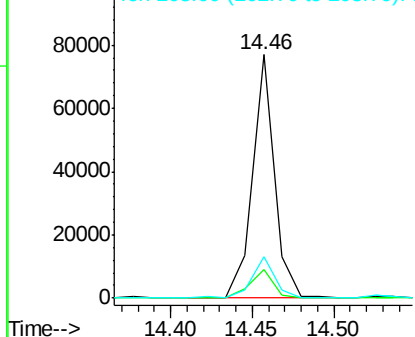


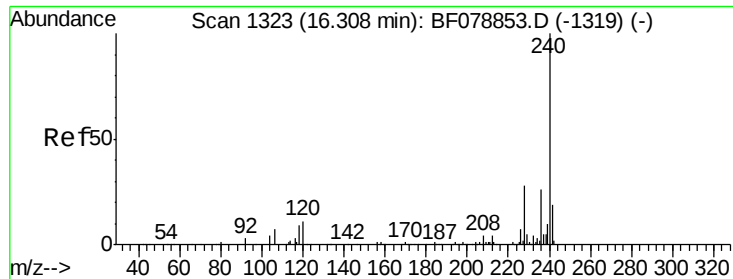
#74
Fluoranthene
Concen: 4.17 ng
RT: 14.46 min Scan# 1161
Delta R.T. 0.00 min
Lab File: BF078958.D
Acq: 6 May 2015 14:11

Tgt Ion:202 Resp: 71923
Ion Ratio Lower Upper
202 100
101 11.7 0.0 34.6
203 17.1 0.0 38.4



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: 16.25 min Scan# 1318

Delta R.T. -0.06 min

Lab File: BF078958.D

Acq: 6 May 2015 14:11

Instrument :

BNA_F

ClientSampleId :

SB-46D

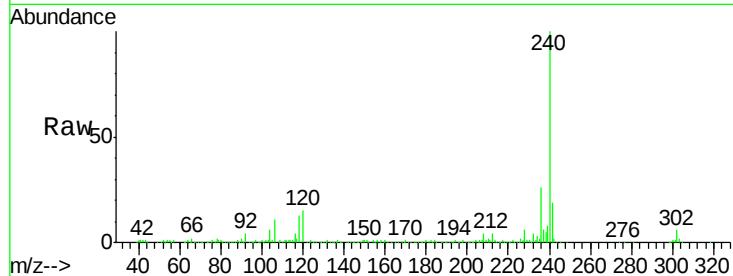
Tgt Ion:240 Resp: 303469

Ion Ratio Lower Upper

240 100

120 14.9 9.7 14.5#

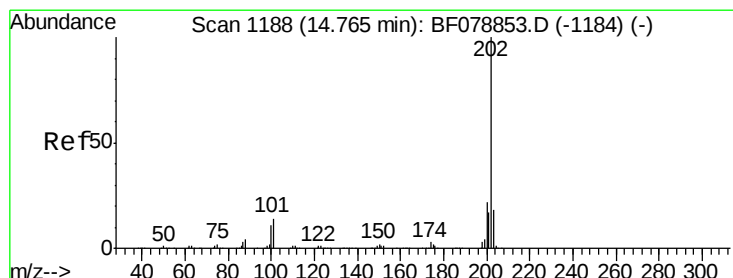
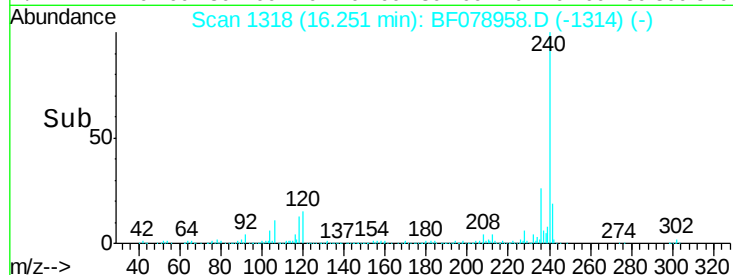
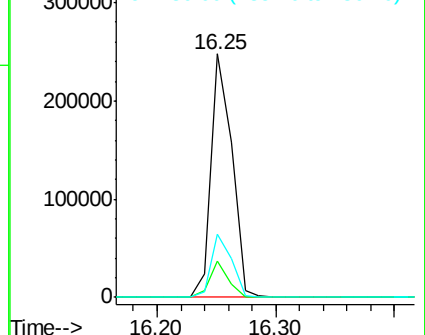
236 25.8 20.2 30.4



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: 3.79 ng

RT: 14.73 min Scan# 1185

Delta R.T. -0.01 min

Lab File: BF078958.D

Acq: 6 May 2015 14:11

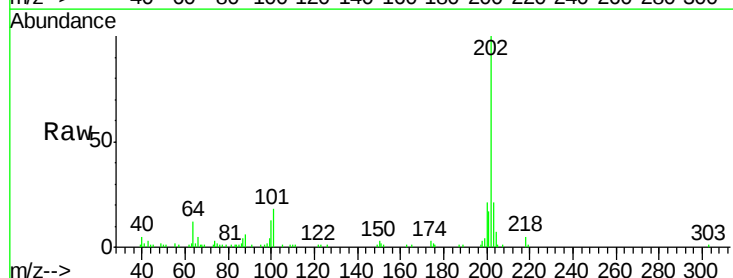
Tgt Ion:202 Resp: 66310

Ion Ratio Lower Upper

202 100

200 20.7 17.5 26.3

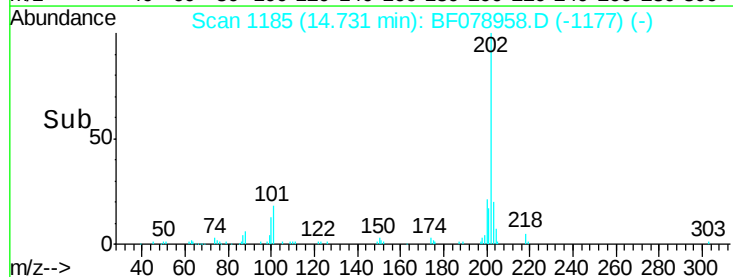
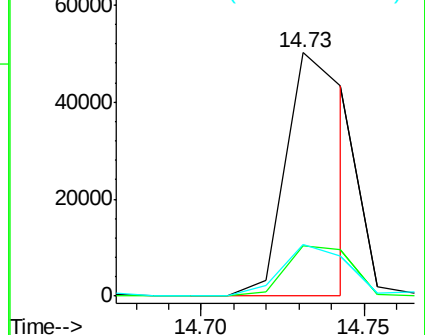
203 21.2 13.9 20.9#

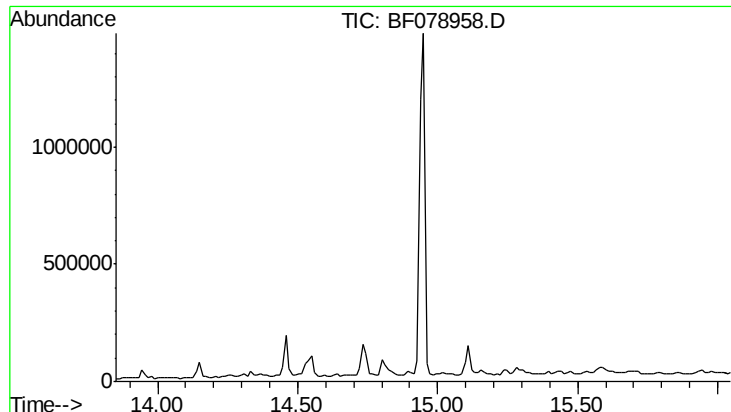


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 0.00 ng

Expected RT: 14.95 min

Lab File: BF078958.D

Acq: 6 May 2015 14:11

Instrument :

BNA_F

ClientSampleId :

SB-46D

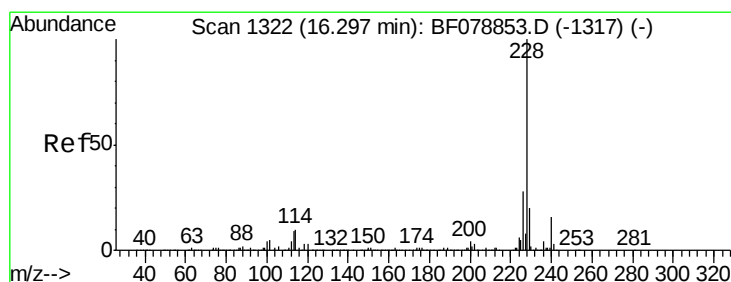
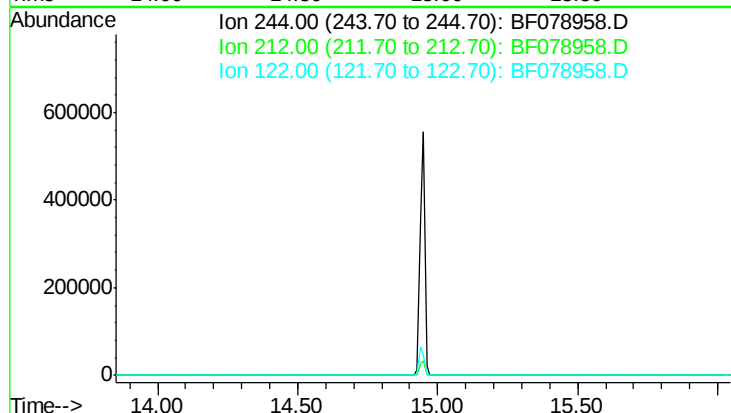
Tgt Ion: 244

Sig Exp Ratio

244 100

212 7.0

122 12.9



#80

Benzo(a)anthracene

Concen: 2.25 ng

RT: 16.24 min Scan# 1317

Delta R.T. -0.05 min

Lab File: BF078958.D

Acq: 6 May 2015 14:11

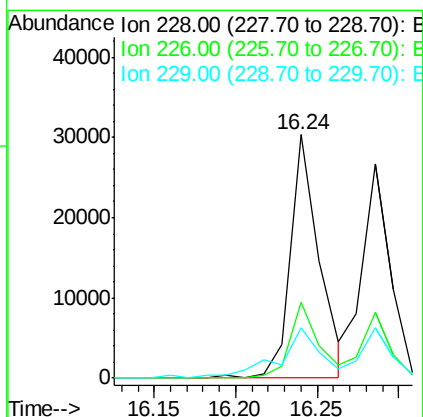
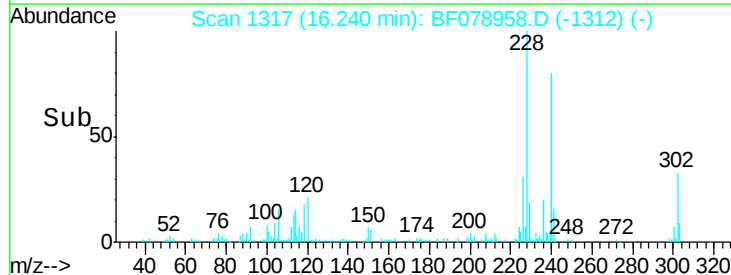
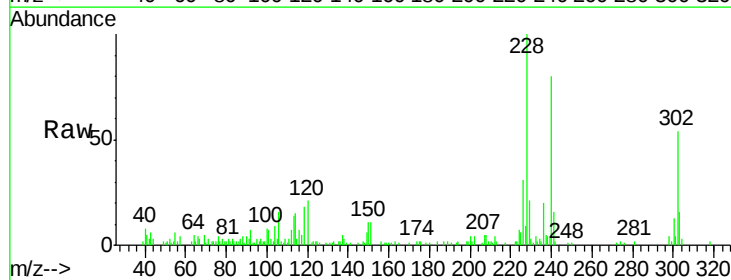
Tgt Ion: 228 Resp: 37399

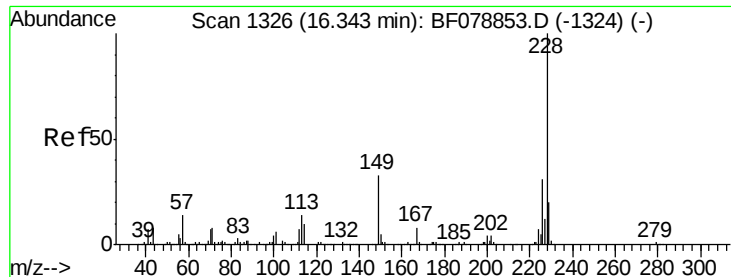
Ion Ratio Lower Upper

228 100

226 30.9 22.6 33.8

229 20.8 15.9 23.9

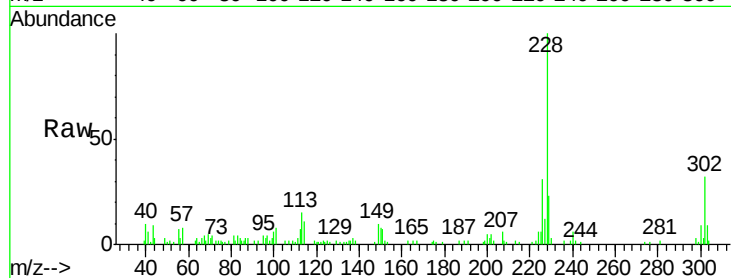




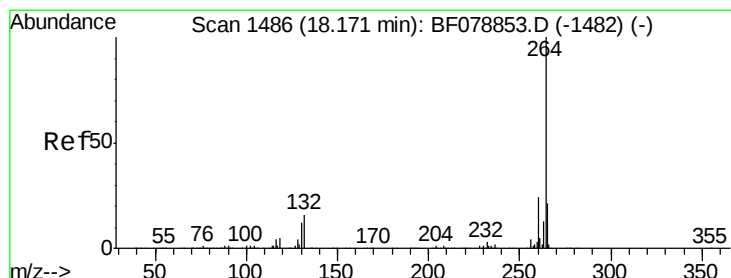
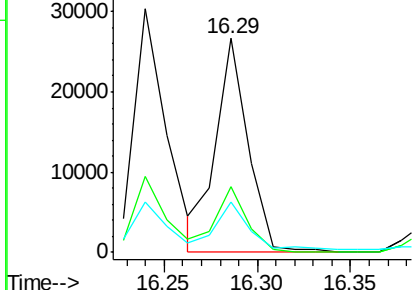
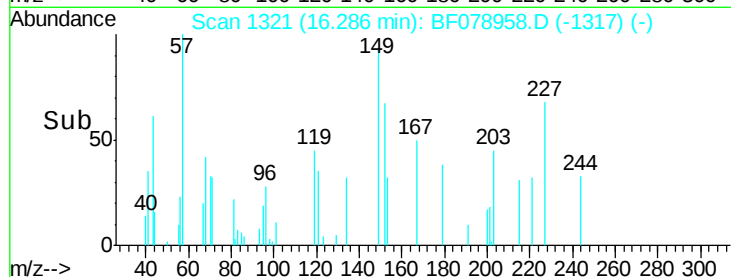
#82
Chrysene
Concen: 2.02 ng
RT: 16.29 min Scan# 1321
Delta R.T. -0.06 min
Lab File: BF078958.D
Acq: 6 May 2015 14:11

Instrument :
BNA_F
ClientSampleId :
SB-46D

Tgt Ion:228 Resp: 32276
Ion Ratio Lower Upper
228 100
226 30.5 24.9 37.3
229 23.3 16.0 24.0

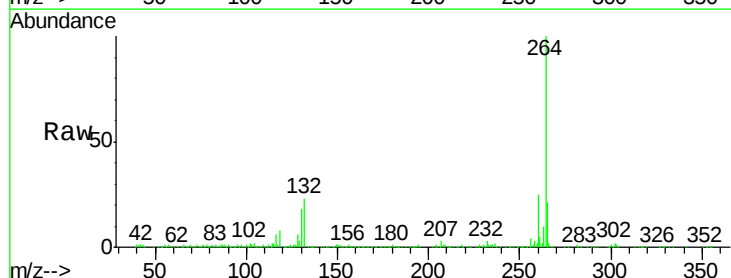


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

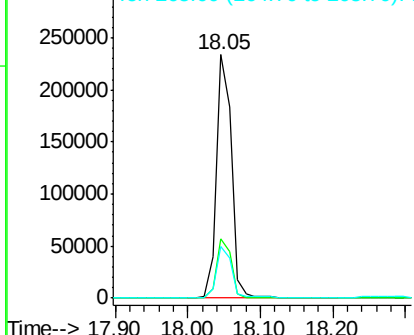
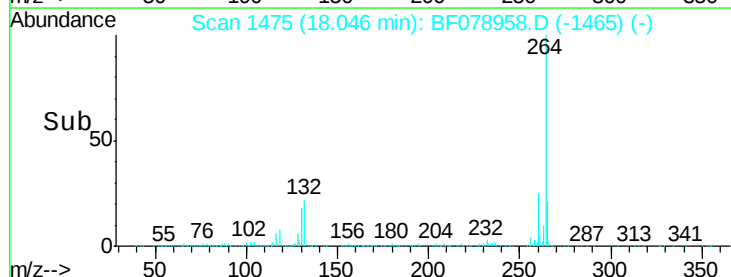


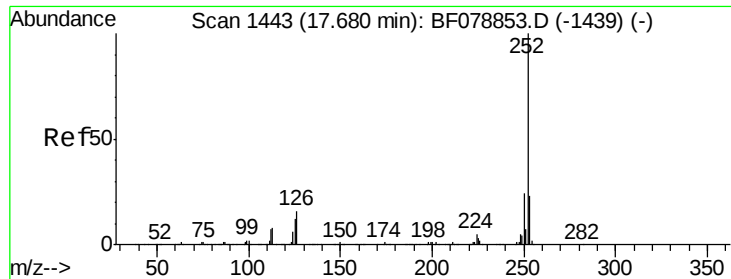
#86
Perylene-d12
Concen: 20.00 ng
RT: 18.05 min Scan# 1475
Delta R.T. -0.18 min
Lab File: BF078958.D
Acq: 6 May 2015 14:11

Tgt Ion:264 Resp: 335693
Ion Ratio Lower Upper
264 100
260 24.6 19.4 29.2
265 21.4 18.3 27.5



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

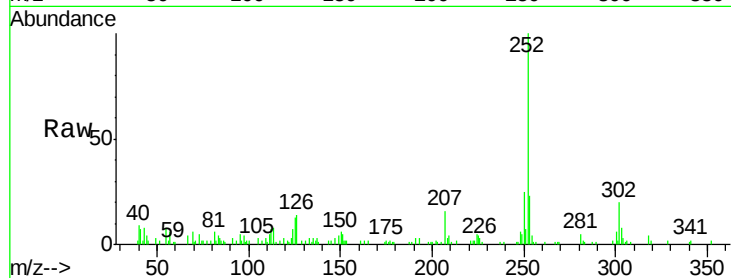




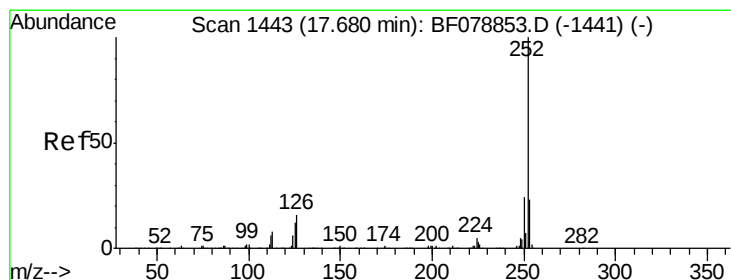
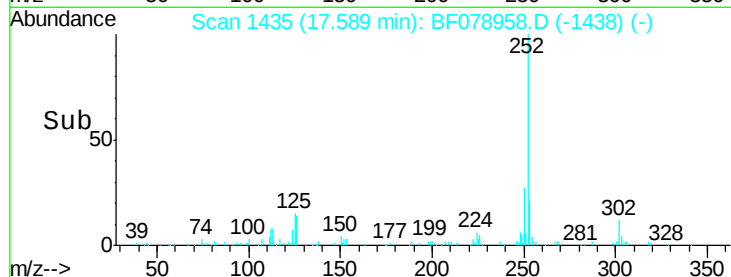
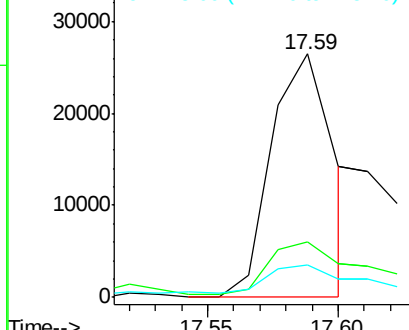
#87
Benzo(b)fluoranthene
Concen: 2.39 ng
RT: 17.59 min Scan# 1435
Delta R.T. -0.14 min
Lab File: BF078958.D
Acq: 6 May 2015 14:11

Instrument :
BNA_F
ClientSampleId :
SB-46D

Tgt Ion:252 Resp: 43948
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 13.5 9.5 14.3

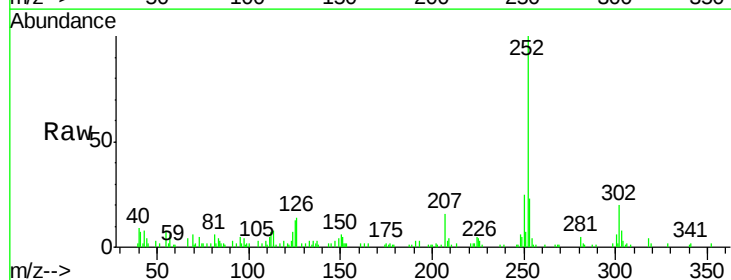


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

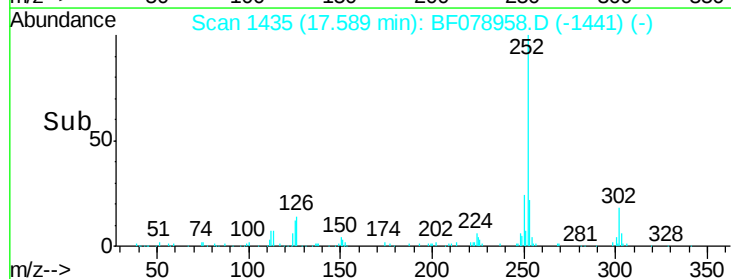
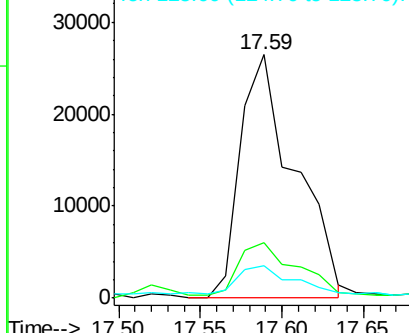


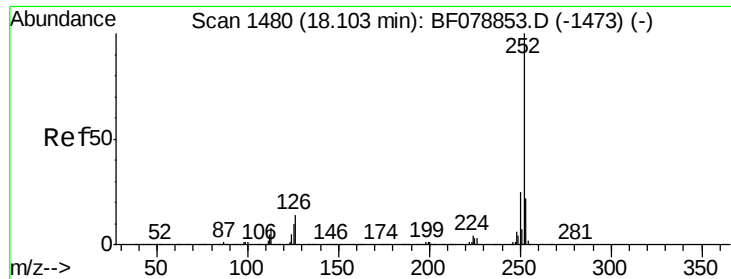
#88
Benzo(k)fluoranthene
Concen: 3.44 ng
RT: 17.59 min Scan# 1435
Delta R.T. -0.17 min
Lab File: BF078958.D
Acq: 6 May 2015 14:11

Tgt Ion:252 Resp: 61269
Ion Ratio Lower Upper
252 100
253 22.7 18.1 27.1
125 13.5 10.0 15.0



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





#89

Benzo(a)pyrene

Concen: 2.18 ng

RT: 17.98 min Scan# 1469

Delta R.T. -0.17 min

Lab File: BF078958.D

Acq: 6 May 2015 14:11

Instrument :

BNA_F

ClientSampleId :

SB-46D

Tgt Ion:252 Resp: 36931

Ion Ratio Lower Upper

252 100

253 22.8 17.3 25.9

125 14.3 7.0 10.6#

