

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040815\
 Data File : BF078355.D
 Acq On : 9 Apr 2015 1:19
 Operator : TP/IZ
 Sample : G1783-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FD-1

Quant Time: Apr 09 02:22:24 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

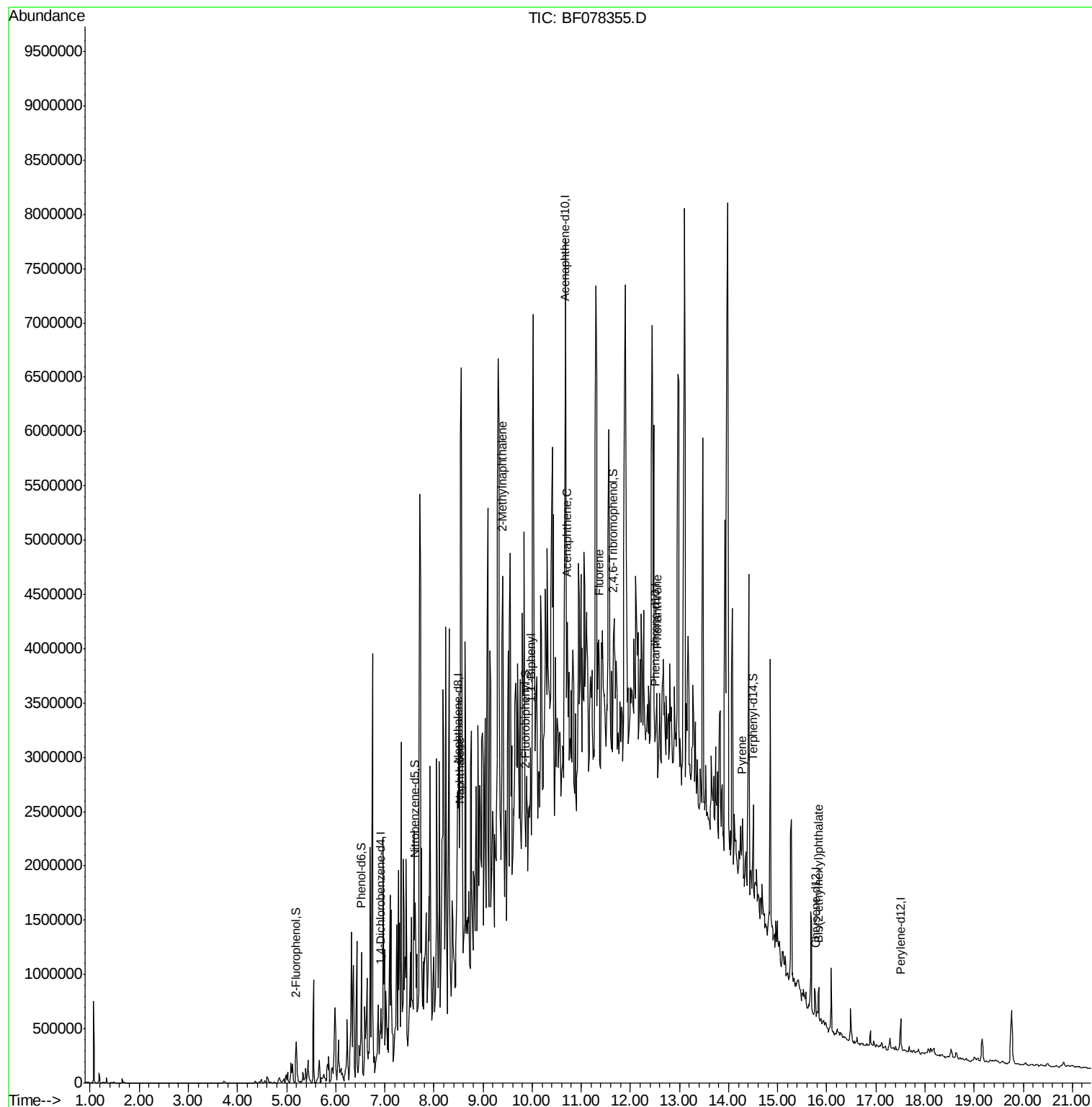
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	35840	20.00	ng	0.01
21) Naphthalene-d8	8.50	136	126556	20.00	ng	0.01
38) Acenaphthene-d10	10.67	164	40308	20.00	ng	0.02
63) Phenanthrene-d10	12.51	188	112623	20.00	ng	0.03
75) Chrysene-d12	15.77	240	144872	20.00	ng	0.00
86) Perylene-d12	17.51	264	140522	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	167042	76.85	ng	0.02
7) Phenol-d6	6.52	99	226109	83.00	ng	0.01
23) Nitrobenzene-d5	7.62	82	209719	100.44	ng	0.01
41) 2,4,6-Tribromophenol	11.65	330	34725	103.87	ng	0.02
44) 2-Fluorobiphenyl	9.86	172	264282	93.72	ng	0.02
78) Terphenyl-d14	14.50	244	315901	49.27	ng	0.02
Target Compounds						Qvalue
31) Naphthalene	8.52	128	490916	74.53	ng	98
37) 2-Methylnaphthalene	9.40	142	958211	214.26	ng	96
45) 1,1'-Biphenyl	9.97	154	167820	50.90	ng	96
51) Acenaphthene	10.72	154	75812	32.14	ng	# 93
57) Fluorene	11.36	166	154349	52.86	ng	# 85
70) Phenanthrene	12.55	178	412967	63.39	ng	96
77) Pyrene	14.28	202	127624	14.03	ng	# 92
83) Bis(2-ethylhexyl)phthalate	15.84	149	125240	23.04	ng	99

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

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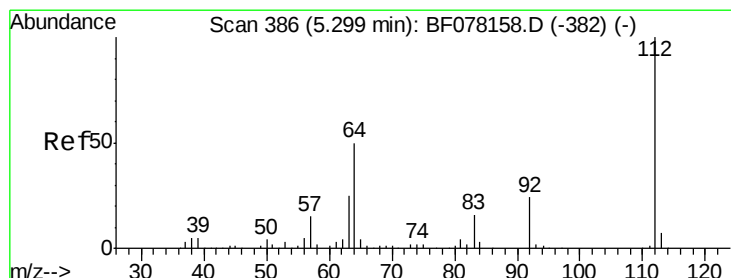
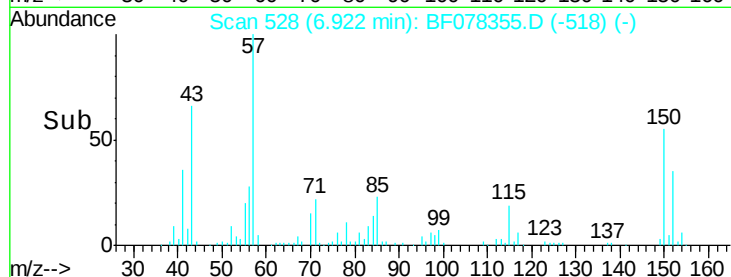
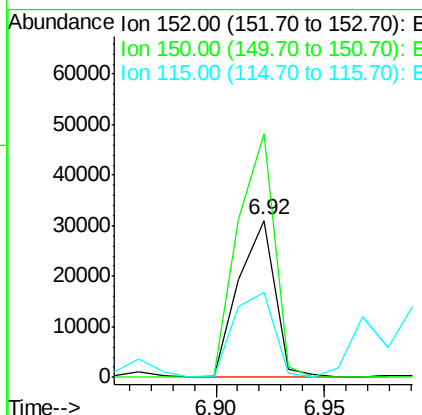
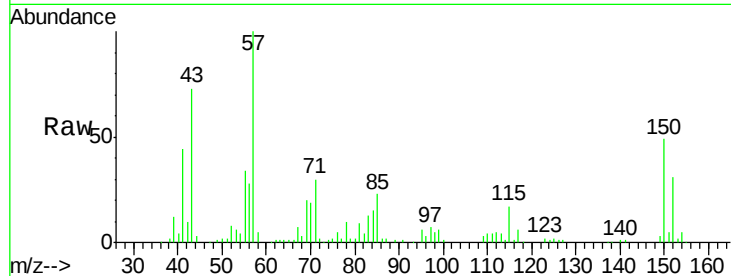


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.92 min Scan# 528
Delta R.T. 0.01 min
Lab File: BF078355.D
Acq: 9 Apr 2015 1:19

Instrument :
BNA_F
ClientSampled :
FD-1

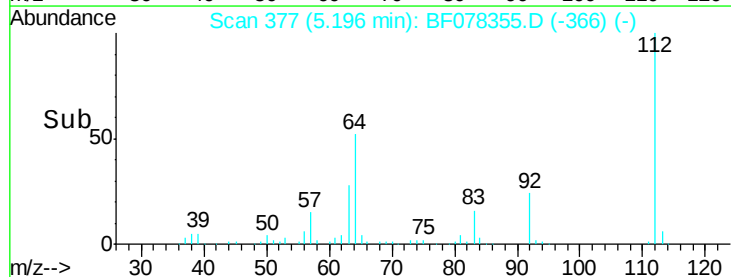
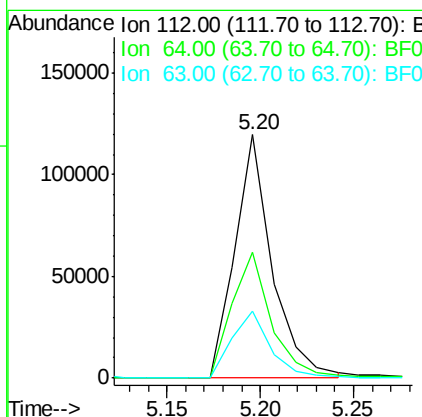
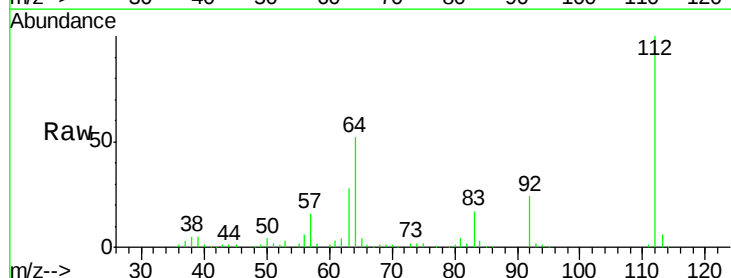
Tot Ion:152 Resp: 35840
Ion Ratio Lower Upper
152 100
150 155.3 125.9 188.9
115 53.8 52.7 79.1

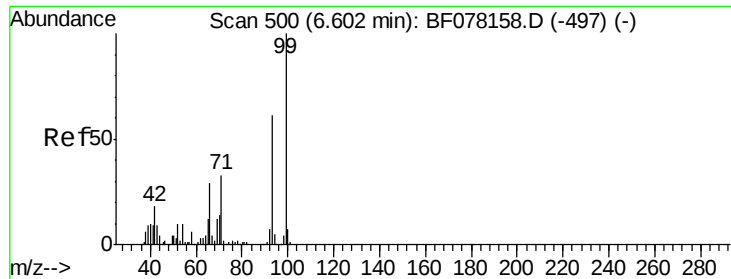


#5

2-Fluorophenol
Concen: 76.85 ng
RT: 5.20 min Scan# 377
Delta R.T. 0.02 min
Lab File: BF078355.D
Acq: 9 Apr 2015 1:19

Tgt Ion:112 Resp: 167042
Ion Ratio Lower Upper
112 100
64 51.8 39.9 59.9
63 27.6 20.2 30.4





#7

Phenol-d6

Concen: 83.00 ng

RT: 6.52 min Scan# 493

Delta R.T. 0.01 min

Lab File: BF078355.D

Acq: 9 Apr 2015 1:19

Instrument :

BNA_F

ClientSampled :

FD-1

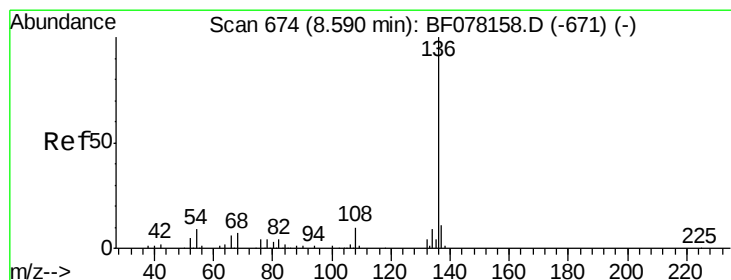
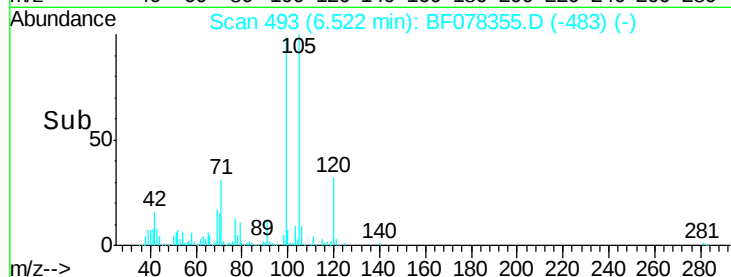
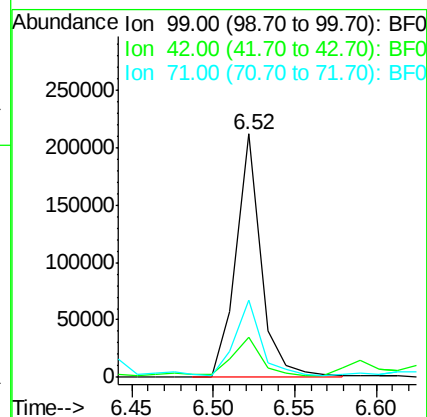
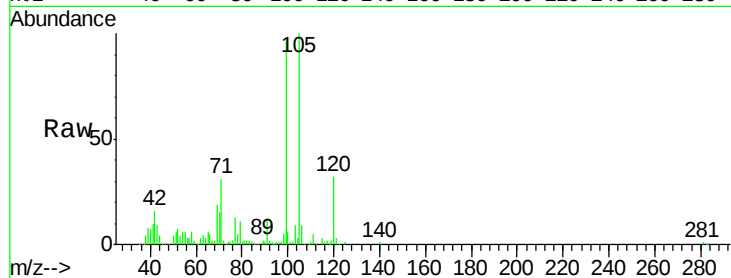
Tot Ion: 99 Resp: 226109

Ion Ratio Lower Upper

99 100

42 16.5 14.8 22.2

71 31.9 26.6 39.8



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.50 min Scan# 666

Delta R.T. 0.01 min

Lab File: BF078355.D

Acq: 9 Apr 2015 1:19

Tgt Ion: 136 Resp: 126556

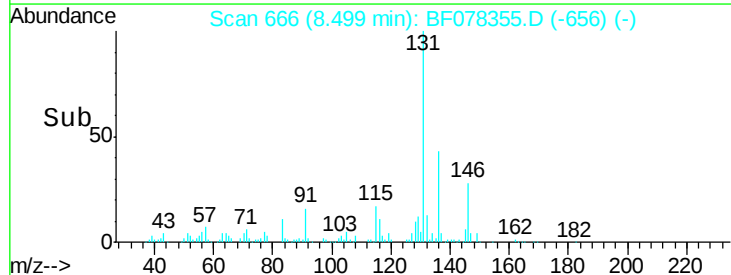
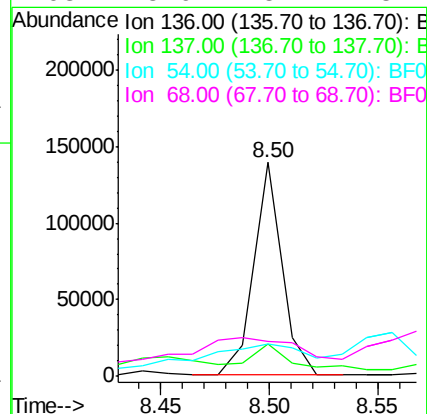
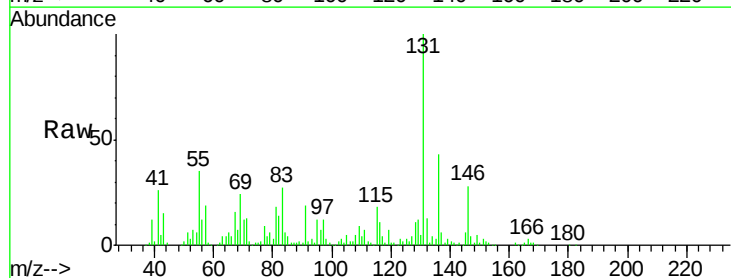
Ion Ratio Lower Upper

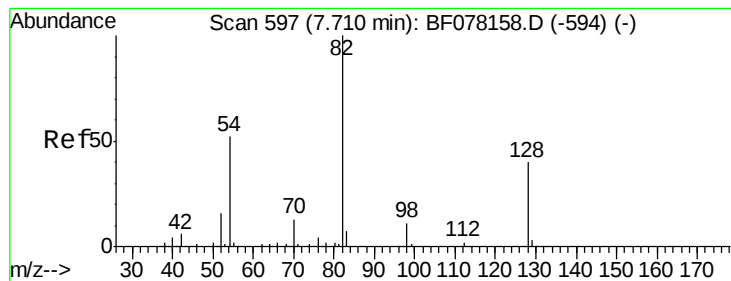
136 100

137 15.1 9.0 13.4#

54 15.1 7.0 10.6#

68 15.9 5.4 8.2#





#23

Nitrobenzene-d5

Concen: 100.44 ng

RT: 7.62 min Scan# 589

Delta R.T. 0.01 min

Lab File: BF078355.D

Acq: 9 Apr 2015 1:19

Instrument :

BNA_F

ClientSampleId :

FD-1

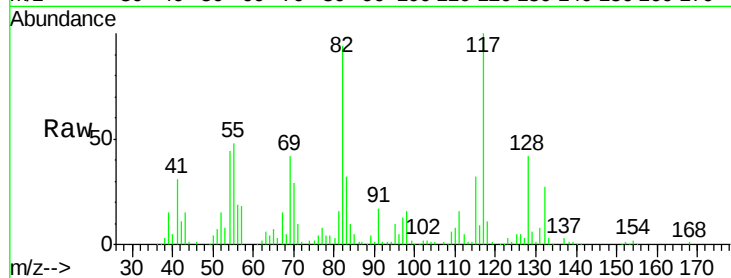
Tot Ion: 82 Resp: 209719

Ion Ratio Lower Upper

82 100

128 44.5 31.8 47.8

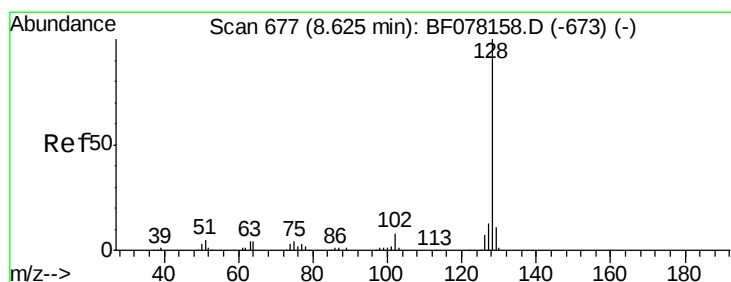
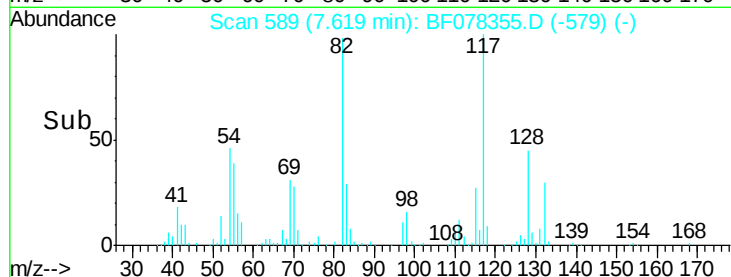
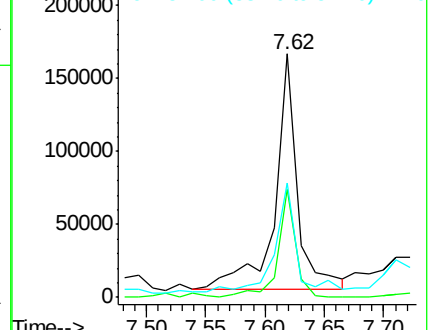
54 47.0 41.5 62.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



#31

Naphthalene

Concen: 74.53 ng

RT: 8.52 min Scan# 668

Delta R.T. 0.01 min

Lab File: BF078355.D

Acq: 9 Apr 2015 1:19

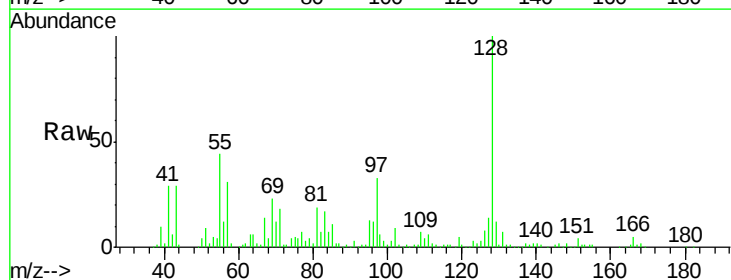
Tgt Ion: 128 Resp: 490916

Ion Ratio Lower Upper

128 100

129 12.0 8.6 12.8

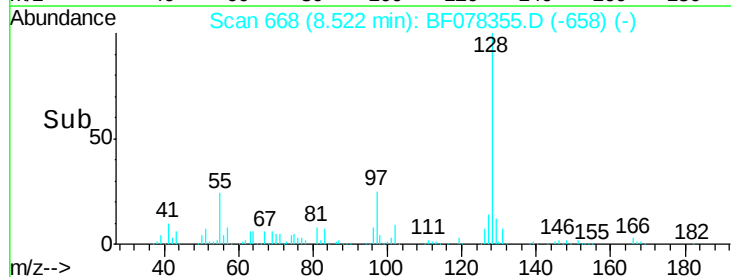
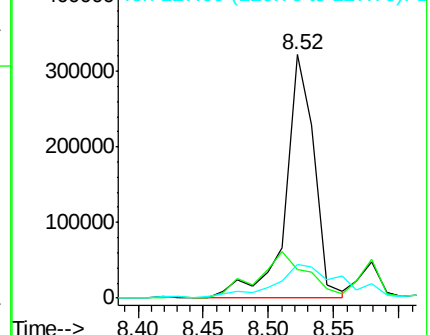
127 14.1 10.7 16.1

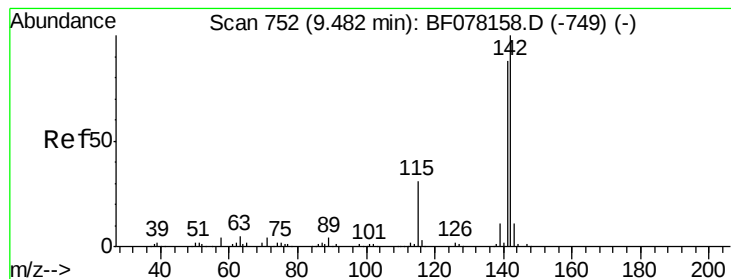


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

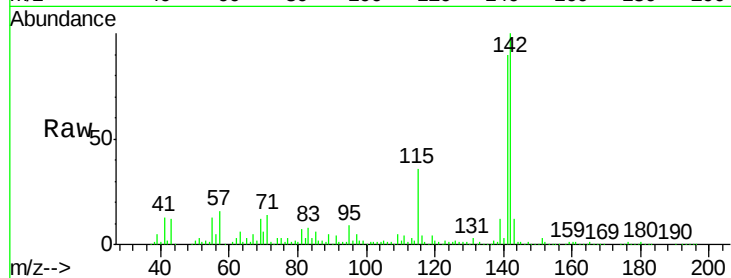




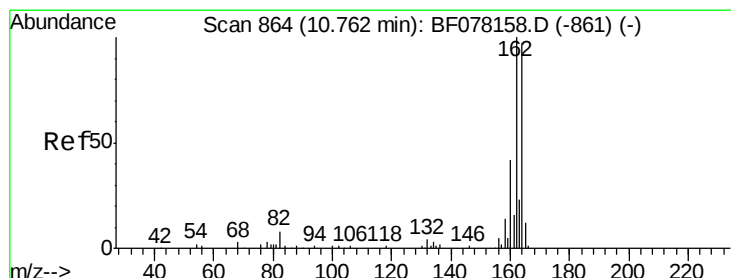
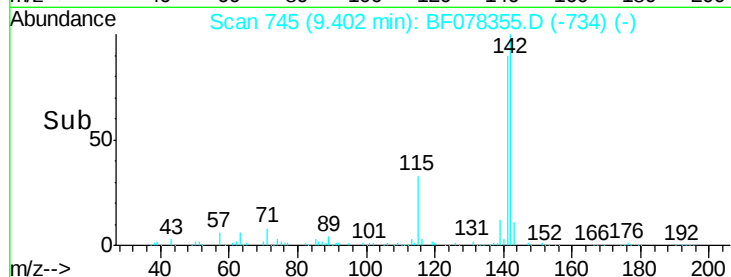
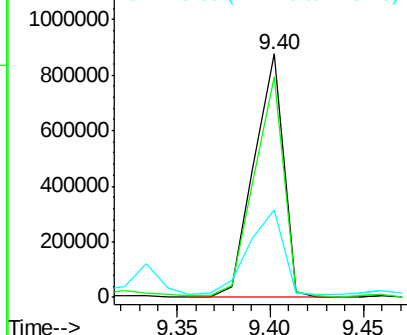
#37
 2-Methylnaphthalene
 Concen: 214.26 ng
 RT: 9.40 min Scan# 745
 Delta R.T. 0.02 min
 Lab File: BF078355.D
 Acq: 9 Apr 2015 1:19

Instrument :
 BNA_F
 ClientSampleID :
 FD-1

Tot Ion:142 Resp: 958211
 Ion Ratio Lower Upper
 142 100
 141 90.4 70.3 105.5
 115 35.8 24.6 37.0

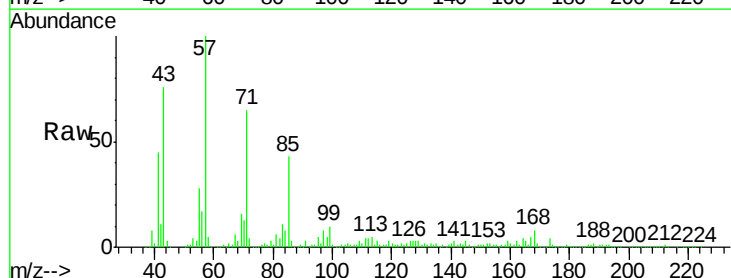


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

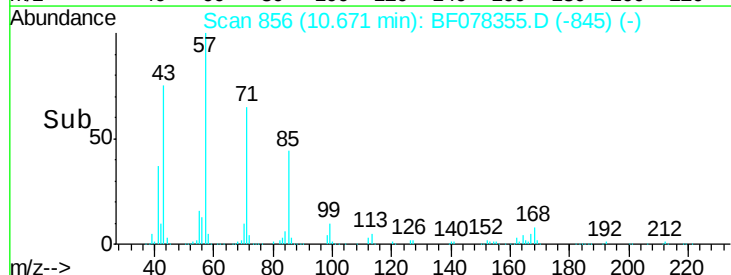
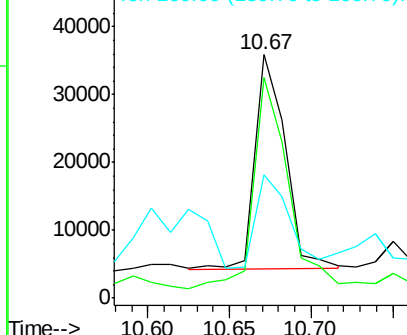


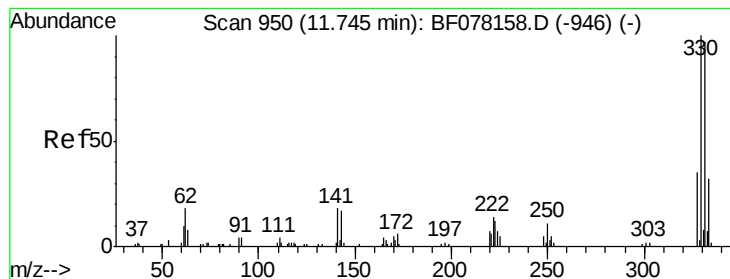
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.67 min Scan# 856
 Delta R.T. 0.02 min
 Lab File: BF078355.D
 Acq: 9 Apr 2015 1:19

Tgt Ion:164 Resp: 40308
 Ion Ratio Lower Upper
 164 100
 162 90.5 82.2 123.2
 160 50.4 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: 103.87 ng

RT: 11.65 min Scan# 942

Delta R.T. 0.02 min

Lab File: BF078355.D

Acq: 9 Apr 2015 1:19

Instrument :

BNA_F

ClientSampleId :

FD-1

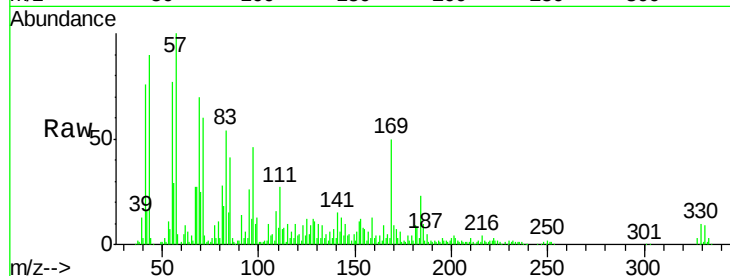
Tot Ion:330 Resp: 34725

Ion Ratio Lower Upper

330 100

332 95.1 78.6 117.8

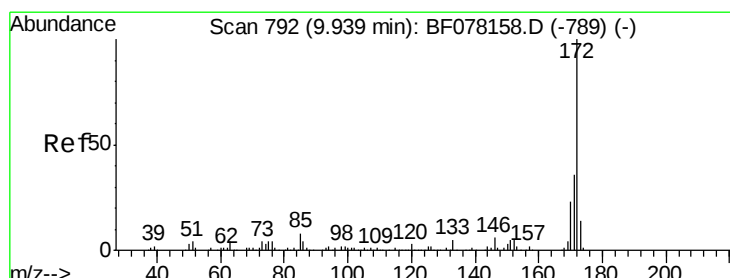
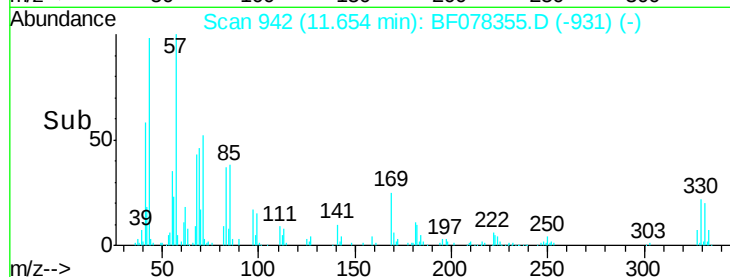
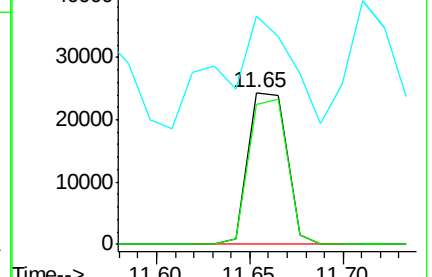
141 134.5 31.2 46.8#



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: 93.72 ng

RT: 9.86 min Scan# 785

Delta R.T. 0.02 min

Lab File: BF078355.D

Acq: 9 Apr 2015 1:19

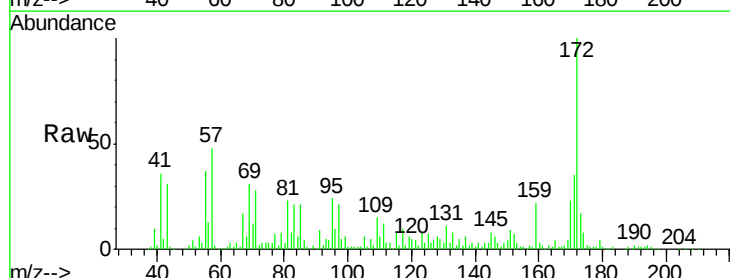
Tgt Ion:172 Resp: 264282

Ion Ratio Lower Upper

172 100

171 34.6 28.6 42.8

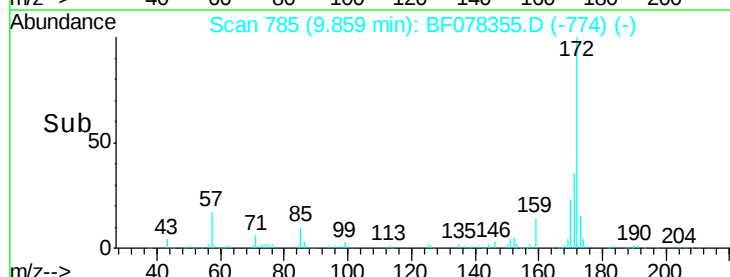
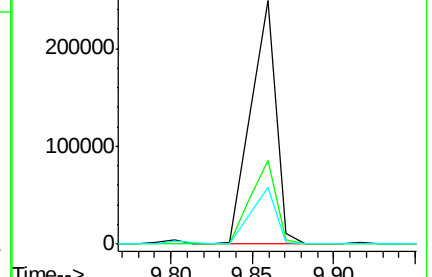
170 23.1 18.5 27.7

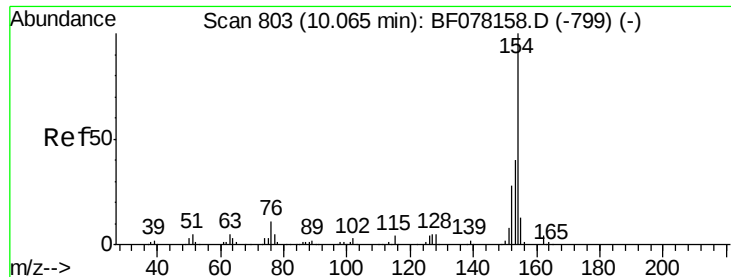


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 50.90 ng

RT: 9.97 min Scan# 795

Delta R.T. 0.01 min

Lab File: BF078355.D

Acq: 9 Apr 2015 1:19

Instrument :

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FD-1

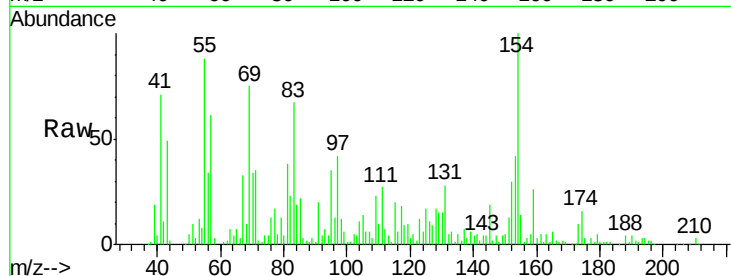
Tot Ion:154 Resp: 167820

Ion Ratio Lower Upper

154 100

153 42.2 20.0 60.0

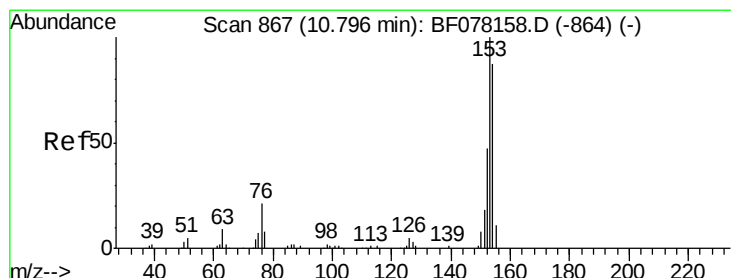
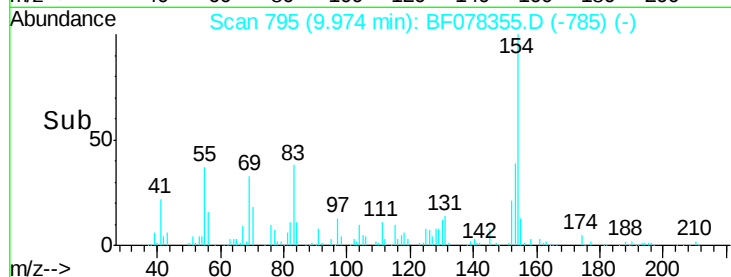
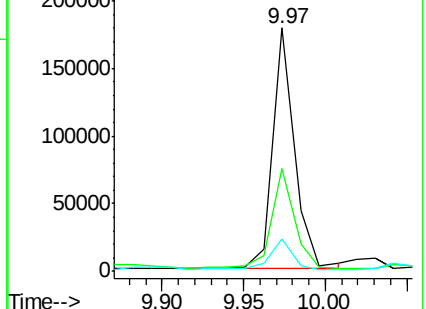
76 13.5 0.0 30.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#51

Acenaphthene

Concen: 32.14 ng

RT: 10.72 min Scan# 860

Delta R.T. 0.02 min

Lab File: BF078355.D

Acq: 9 Apr 2015 1:19

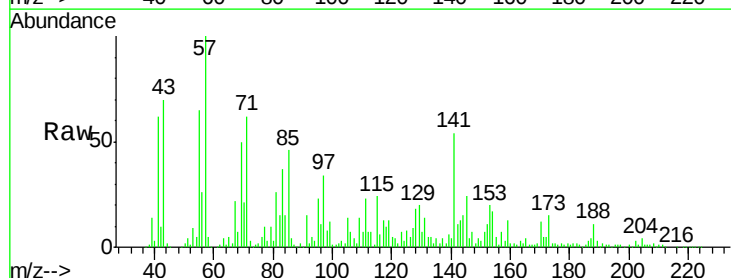
Tgt Ion:154 Resp: 75812

Ion Ratio Lower Upper

154 100

153 116.1 91.4 137.2

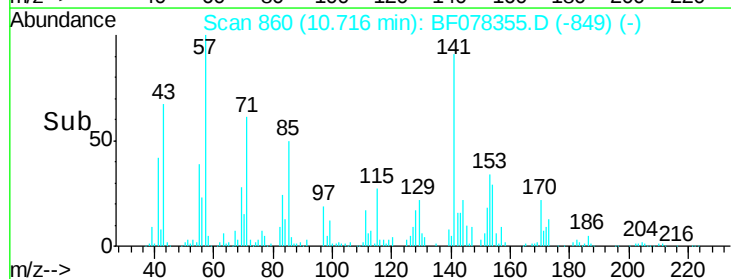
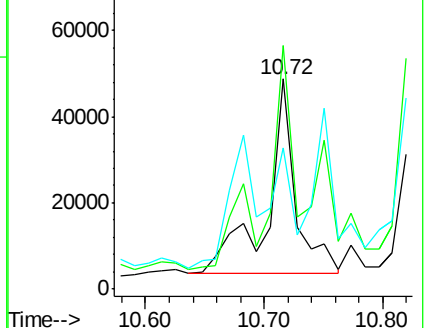
152 67.5 43.0 64.6#

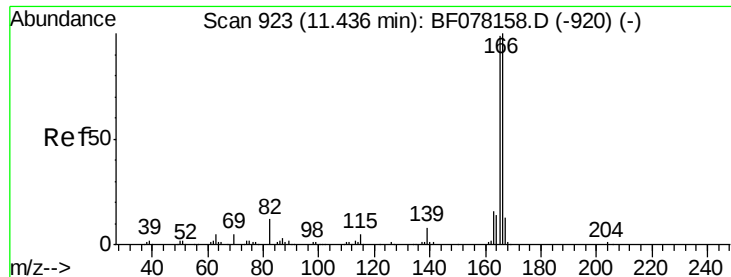


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#57

Fluorene

Concen: 52.86 ng

RT: 11.36 min Scan# 916

Delta R.T. 0.02 min

Lab File: BF078355.D

Acq: 9 Apr 2015 1:19

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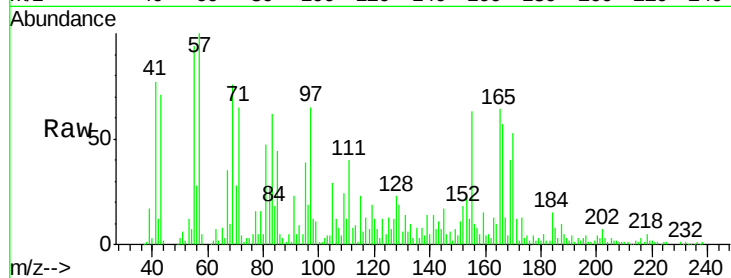
Tot Ion:166 Resp: 154349

Ion Ratio Lower Upper

166 100

165 112.3 78.9 118.3

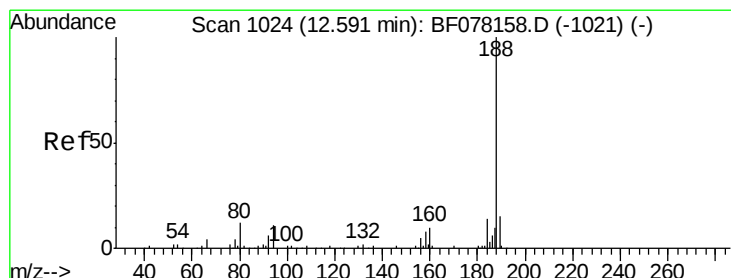
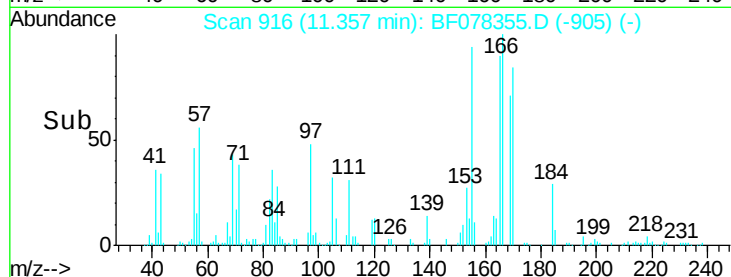
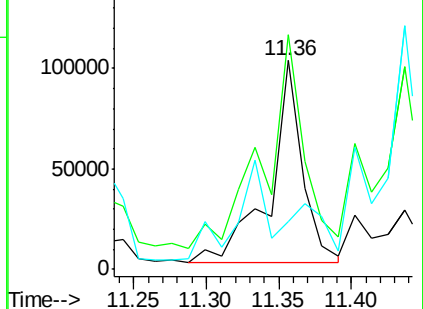
167 23.0 10.7 16.1#



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: 12.51 min Scan# 1017

Delta R.T. 0.03 min

Lab File: BF078355.D

Acq: 9 Apr 2015 1:19

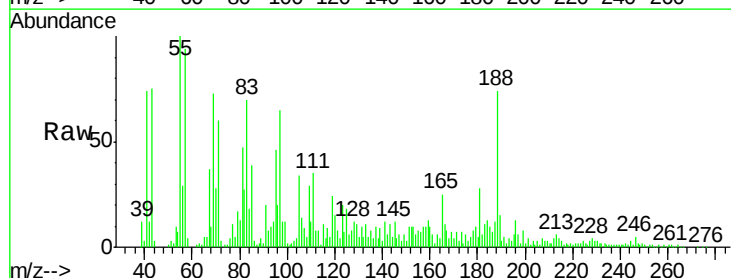
Tgt Ion:188 Resp: 112623

Ion Ratio Lower Upper

188 100

94 15.6 9.0 13.4#

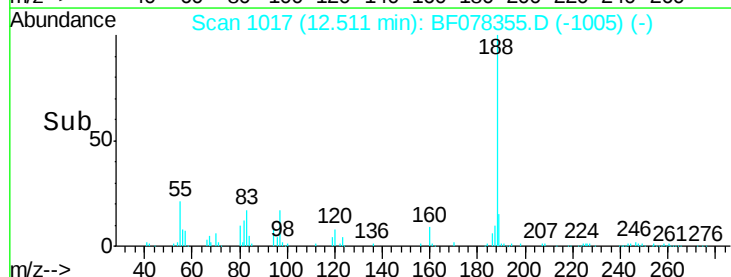
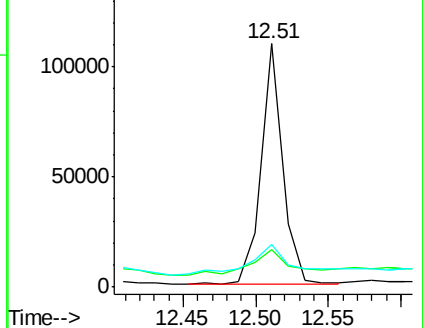
80 17.5 9.5 14.3#

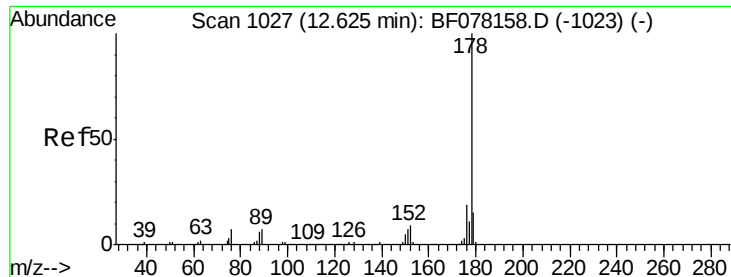


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

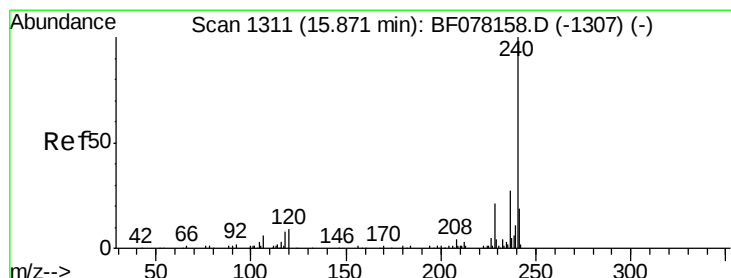
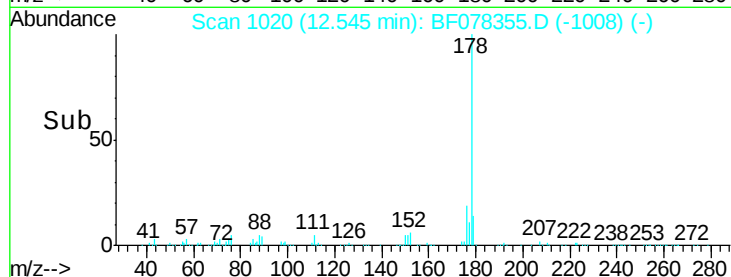
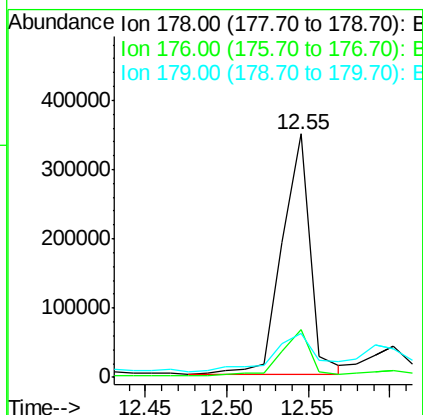
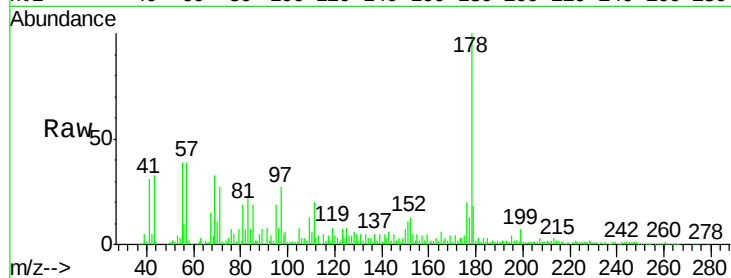




#70
Phenanthrene
Concen: 63.39 ng
RT: 12.55 min Scan# 1020
Delta R.T. 0.03 min
Lab File: BF078355.D
Acq: 9 Apr 2015 1:19

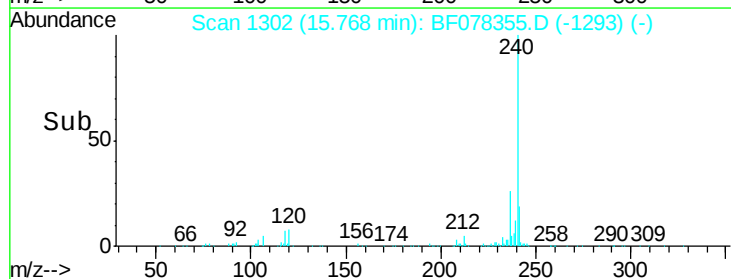
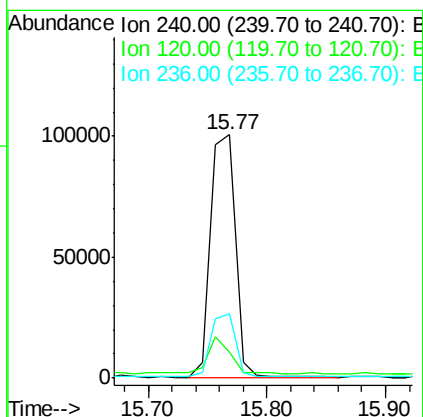
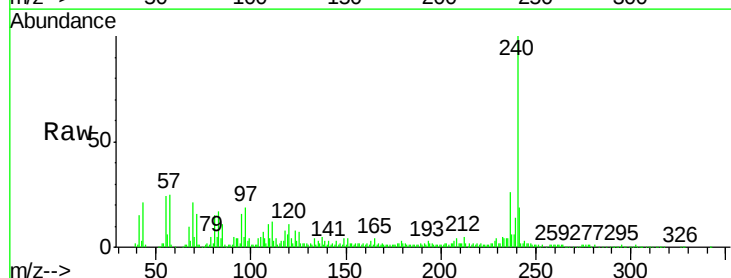
Instrument :
BNA_F
ClientSampleId :
FD-1

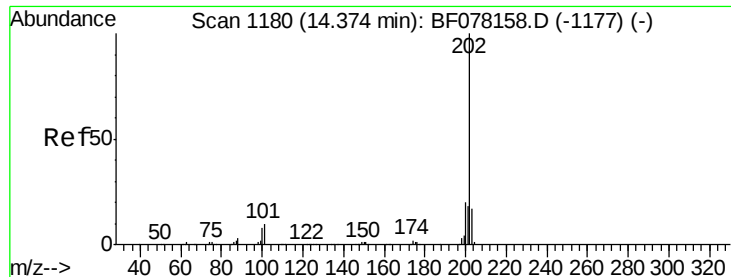
Tot Ion:178 Resp: 412967
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.0
179 18.2 12.2 18.2



#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.77 min Scan# 1302
Delta R.T. 0.00 min
Lab File: BF078355.D
Acq: 9 Apr 2015 1:19

Tgt Ion:240 Resp: 144872
Ion Ratio Lower Upper
240 100
120 10.6 7.1 10.7
236 26.3 21.4 32.2





#77

Pvrene

Concen: 14.03 ng

RT: 14.28 min Scan# 1172

Delta R.T. 0.03 min

Lab File: BF078355.D

Acq: 9 Apr 2015 1:19

Instrument :

BNA_F

ClientSampleId :

FD-1

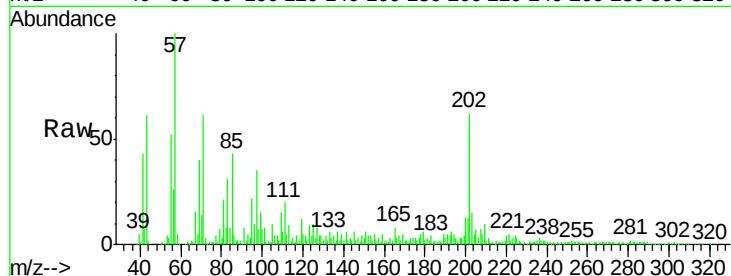
Tot Ion:202 Resp: 127624

Ion Ratio Lower Upper

202 100

200 21.0 16.3 24.5

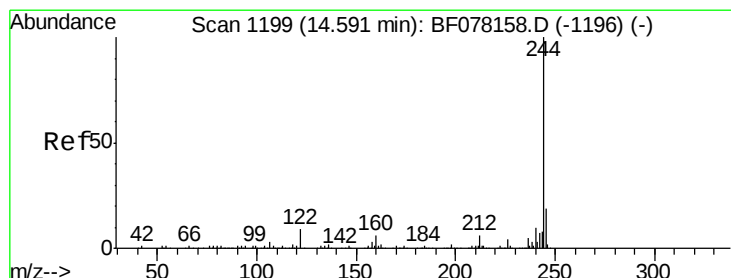
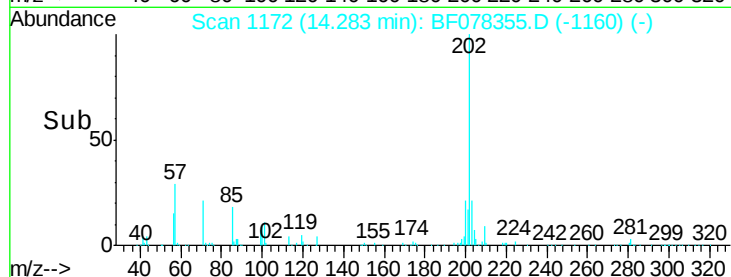
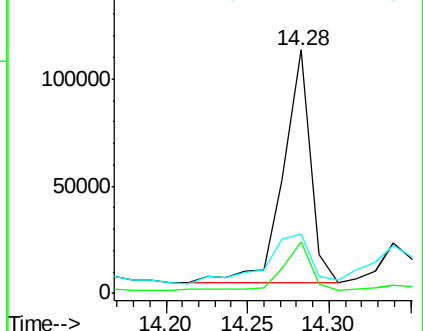
203 24.4 13.8 20.6#



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: 49.27 ng

RT: 14.50 min Scan# 1191

Delta R.T. 0.02 min

Lab File: BF078355.D

Acq: 9 Apr 2015 1:19

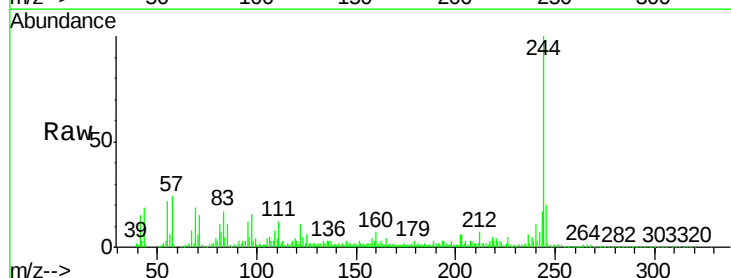
Tgt Ion:244 Resp: 315901

Ion Ratio Lower Upper

244 100

212 7.0 5.0 7.4

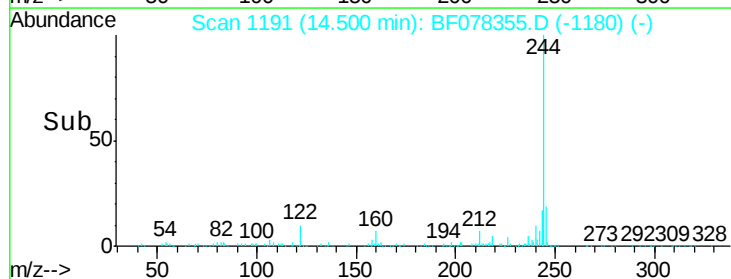
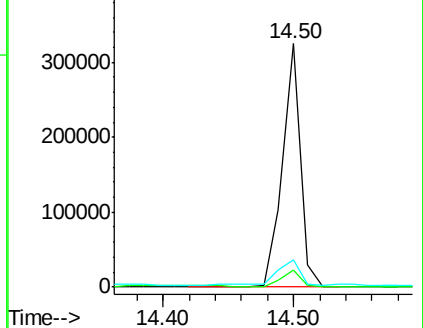
122 11.0 7.1 10.7#

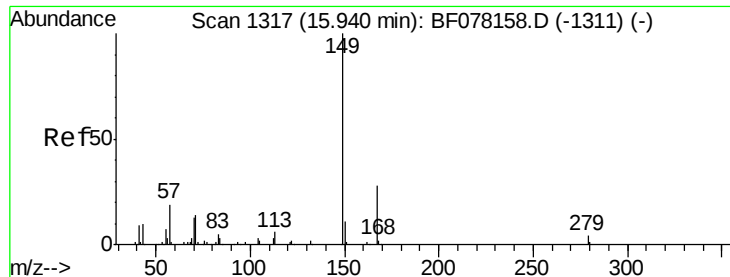


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

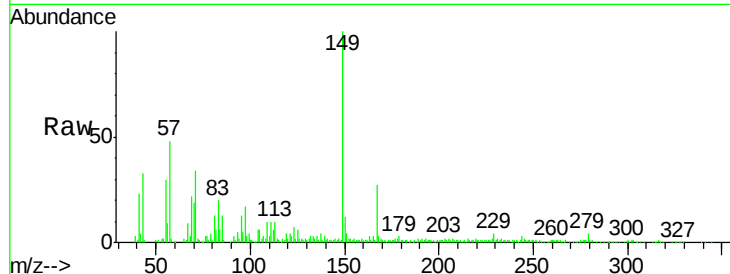




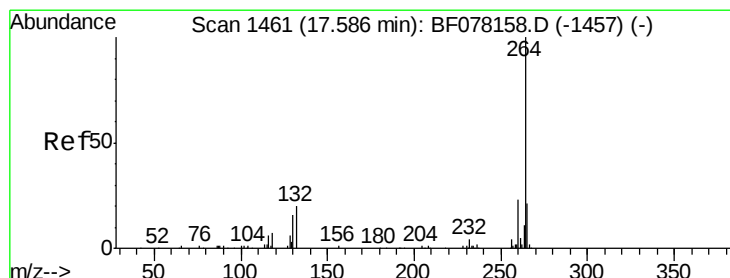
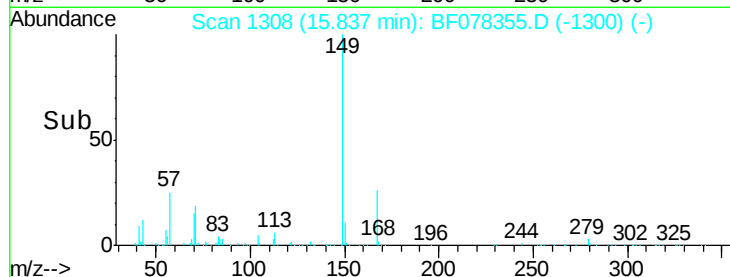
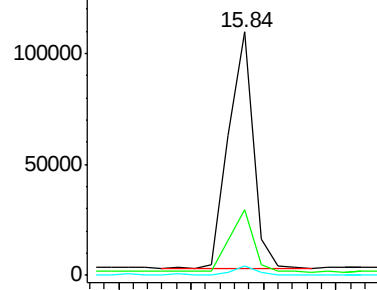
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 23.04 ng
 RT: 15.84 min Scan# 1308
 Delta R.T. -0.01 min
 Lab File: BF078355.D
 Acq: 9 Apr 2015 1:19

Instrument :
 BNA_F
 ClientSampleId :
 FD-1

Tot Ion:149 Resp: 125240
 Ion Ratio Lower Upper
 149 100
 167 26.9 22.2 33.2
 279 3.8 3.2 4.8

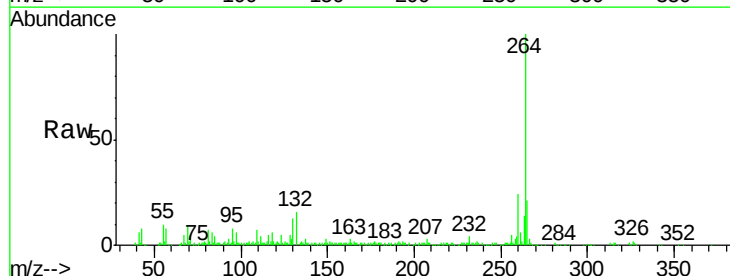


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.51 min Scan# 1454
 Delta R.T. -0.07 min
 Lab File: BF078355.D
 Acq: 9 Apr 2015 1:19

Tgt Ion:264 Resp: 140522
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.6 27.8
 265 21.1 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

