

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040215\
 Data File : BF078230.D
 Acq On : 3 Apr 2015 7:26
 Operator : TP/IZ
 Sample : G1600-02
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-A-3(J)

Quant Time: Apr 03 08:19:14 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 03 00:57:15 2015
 Response via : Initial Calibration

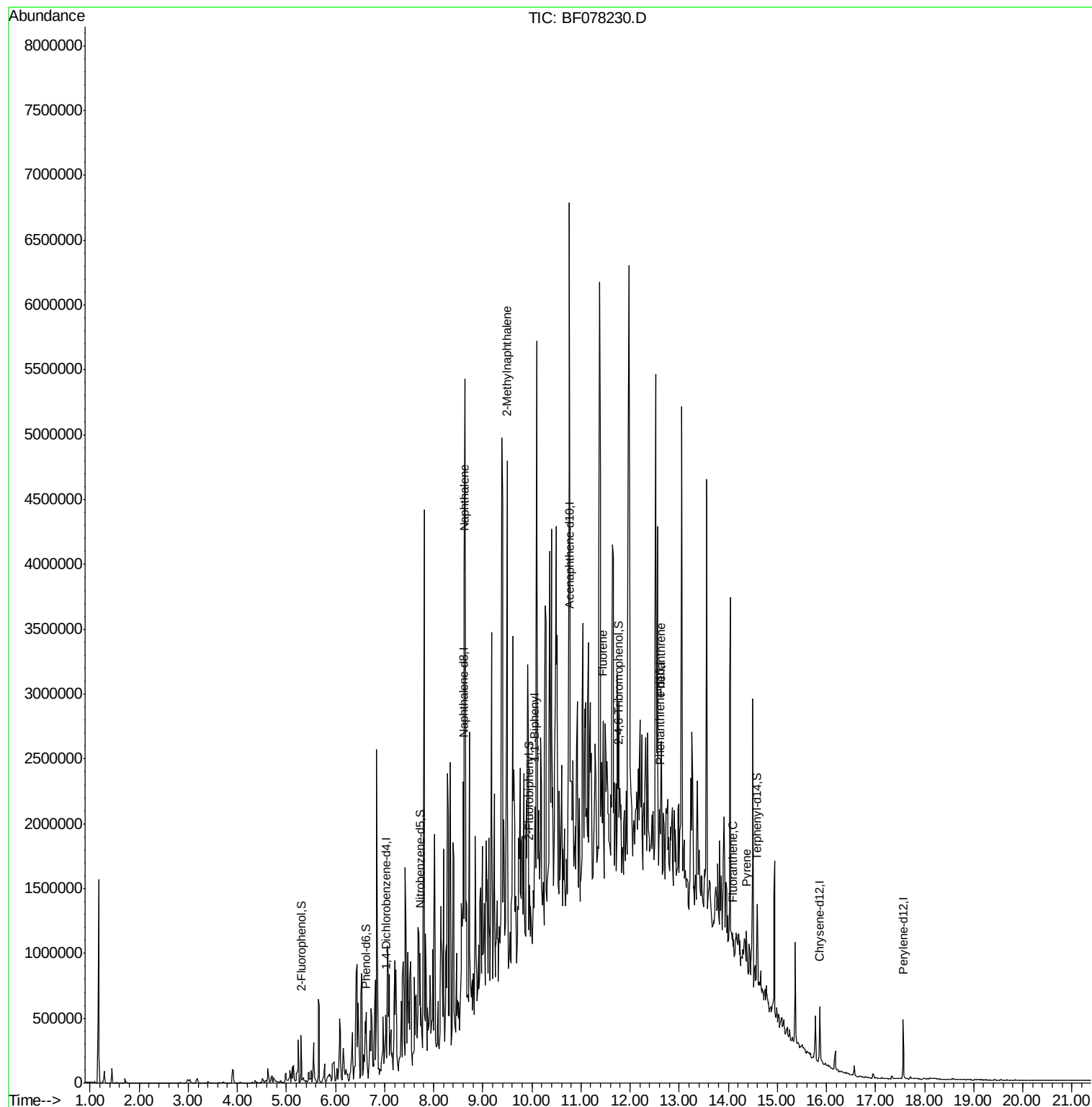
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	49014	20.00	ng	0.01
21) Naphthalene-d8	8.60	136	181118	20.00	ng	0.01
38) Acenaphthene-d10	10.77	164	82591	20.00	ng	0.01
63) Phenanthrene-d10	12.60	188	172793	20.00	ng	0.01
75) Chrysene-d12	15.86	240	207616	20.00	ng	-0.02
86) Perylene-d12	17.56	264	202449	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	125962	42.37	ng	0.01
7) Phenol-d6	6.61	99	158131	42.45	ng	0.01
23) Nitrobenzene-d5	7.72	82	111091	37.18	ng	0.00
41) 2,4,6-Tribromophenol	11.76	330	29150	42.56	ng	0.01
44) 2-Fluorobiphenyl	9.95	172	197641	34.21	ng	0.01
78) Terphenyl-d14	14.59	244	222826	24.25	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.62	128	628028	66.62	ng	97
37) 2-Methylnaphthalene	9.49	142	1238322	193.48	ng	# 95
45) 1,1'-Biphenyl	10.06	154	279381	41.36	ng	96
57) Fluorene	11.45	166	144868	24.21	ng	# 87
70) Phenanthrene	12.64	178	511636	51.19	ng	98
74) Fluoranthene	14.10	202	32659	3.10	ng	90
77) Pyrene	14.37	202	106634	8.18	ng	# 88

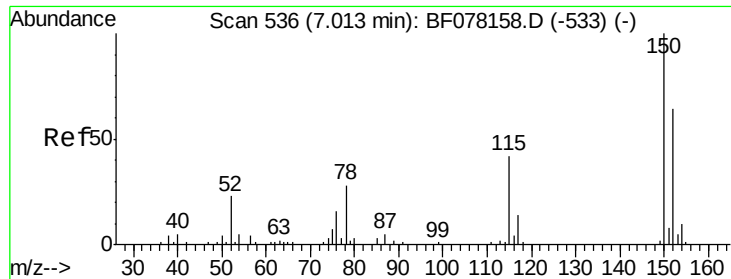
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.02 min Scan# 537

Delta R.T. 0.01 min

Lab File: BF078230.D

Acq: 3 Apr 2015 7:26

Instrument :

BNA_F

ClientSampleId :

S-A-3(J)

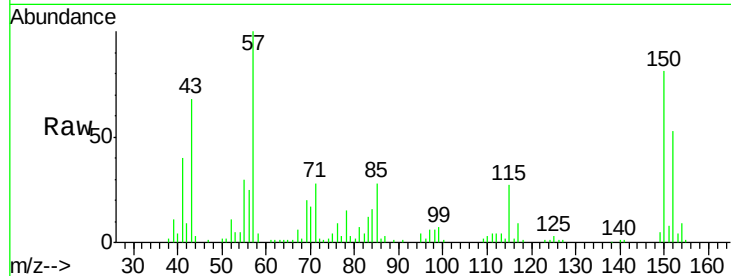
Tot Ion:152 Resp: 49014

Ion Ratio Lower Upper

152 100

150 154.1 125.9 188.9

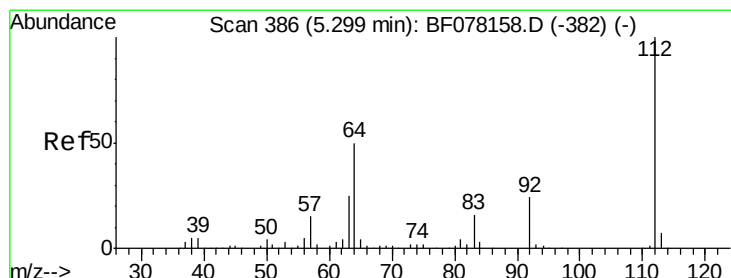
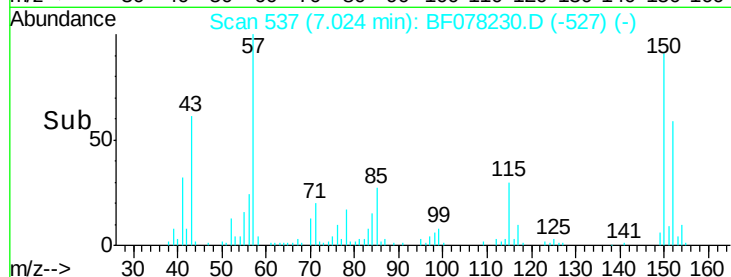
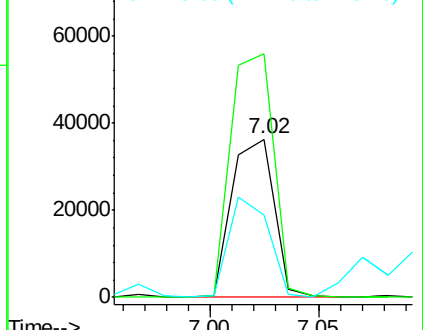
115 51.9 52.7 79.1#



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: 42.37 ng

RT: 5.30 min Scan# 386

Delta R.T. 0.01 min

Lab File: BF078230.D

Acq: 3 Apr 2015 7:26

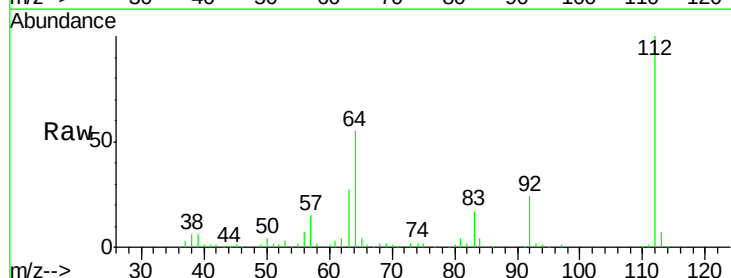
Tgt Ion:112 Resp: 125962

Ion Ratio Lower Upper

112 100

64 54.7 39.9 59.9

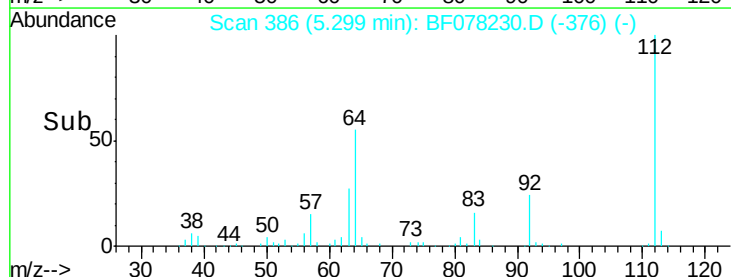
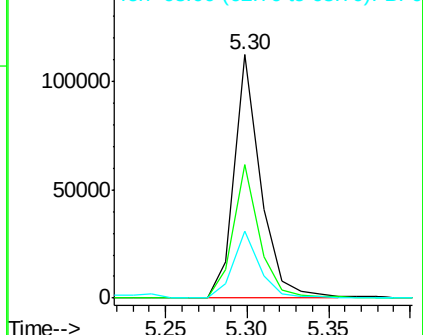
63 27.3 20.2 30.4

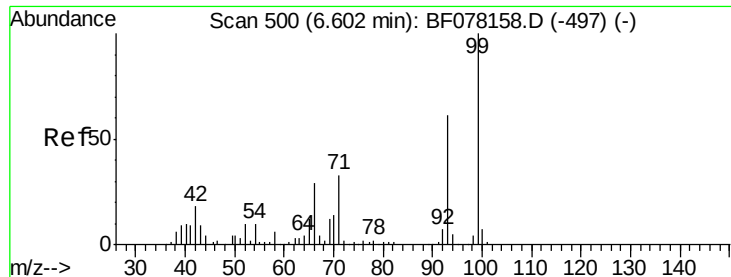


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 42.45 ng

RT: 6.61 min Scan# 501

Delta R.T. 0.01 min

Lab File: BF078230.D

Acq: 3 Apr 2015 7:26

Instrument :

BNA_F

ClientSampled :

S-A-3(J)

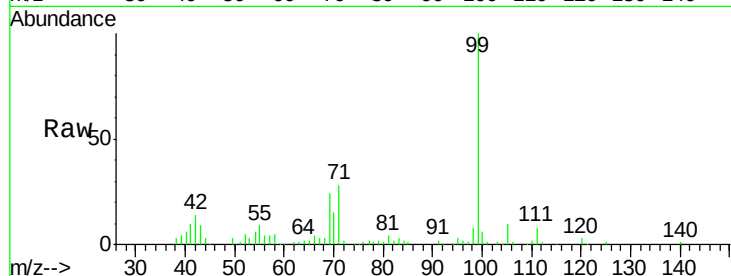
Tot Ion: 99 Resp: 158131

Ion Ratio Lower Upper

99 100

42 13.6 14.8 22.2#

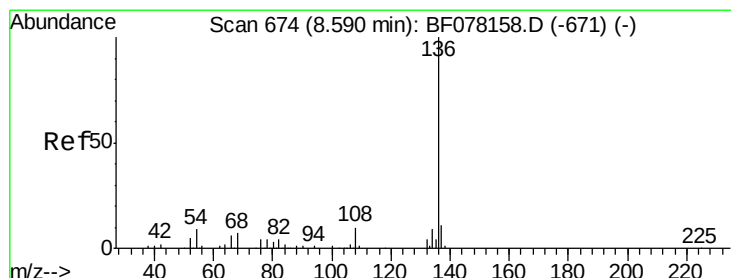
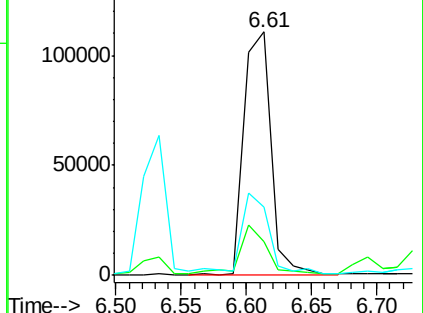
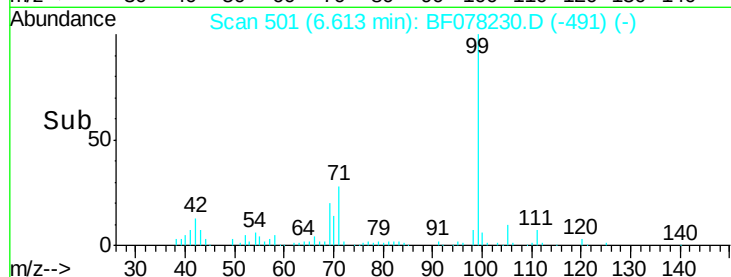
71 28.3 26.6 39.8



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.60 min Scan# 675

Delta R.T. 0.01 min

Lab File: BF078230.D

Acq: 3 Apr 2015 7:26

Tgt Ion: 136 Resp: 181118

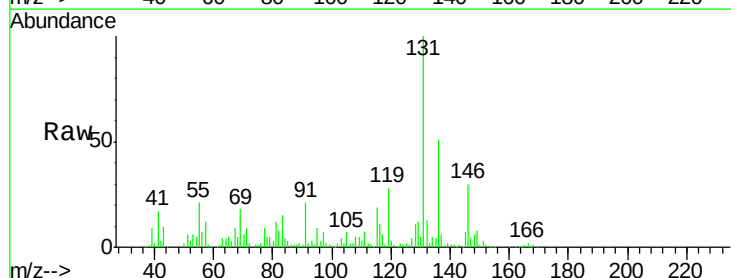
Ion Ratio Lower Upper

136 100

137 12.2 9.0 13.4

54 10.2 7.0 10.6

68 10.0 5.4 8.2#

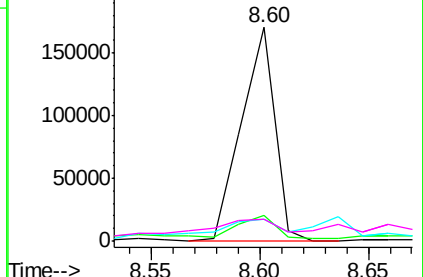
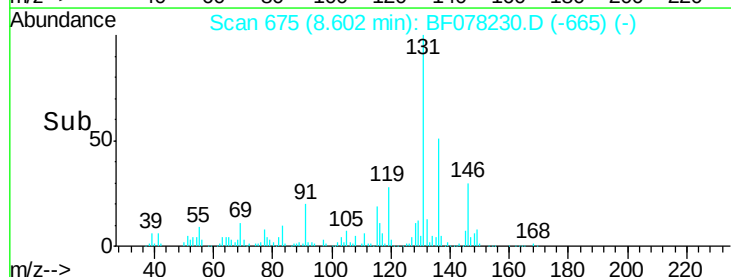


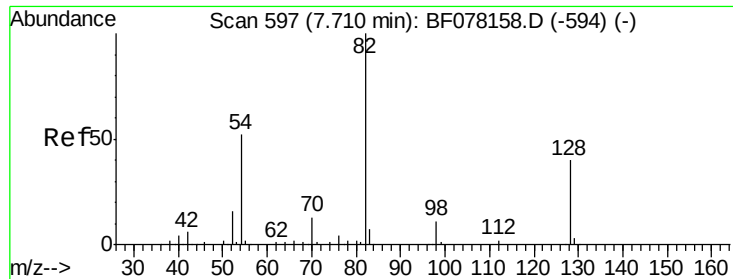
Abundance Ion 136.00 (135.70 to 136.70): E

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

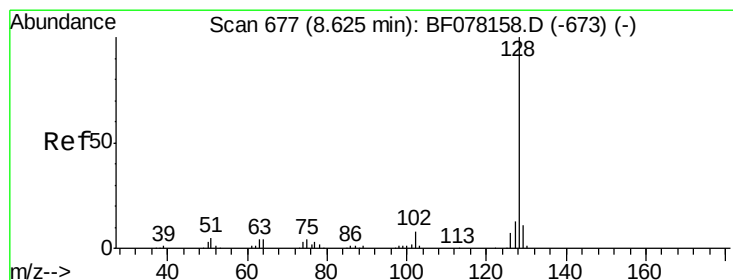
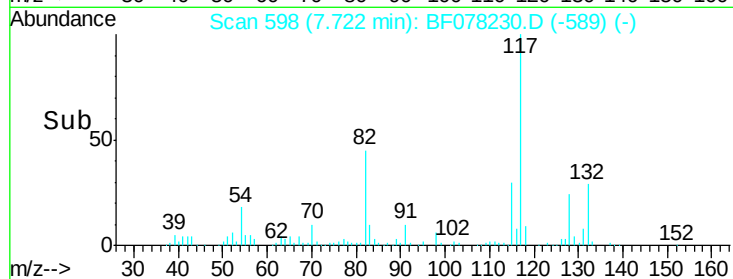
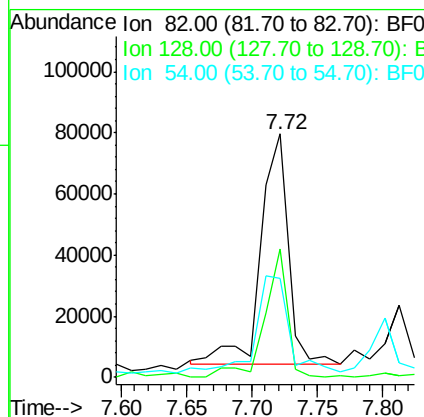
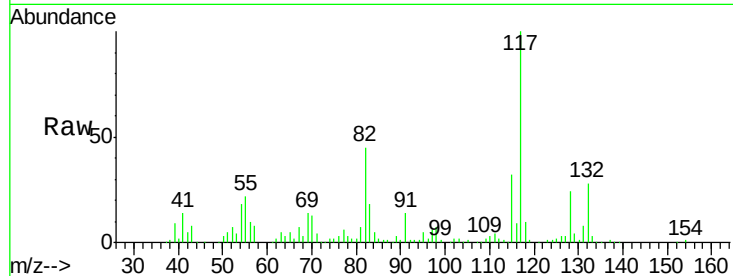




#23
 Nitrobenzene-d5
 Concen: 37.18 ng
 RT: 7.72 min Scan# 598
 Delta R.T. 0.00 min
 Lab File: BF078230.D
 Acq: 3 Apr 2015 7:26

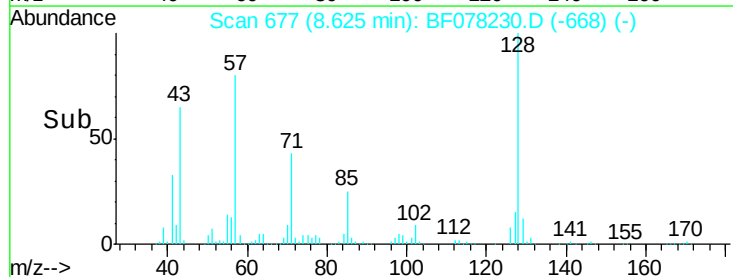
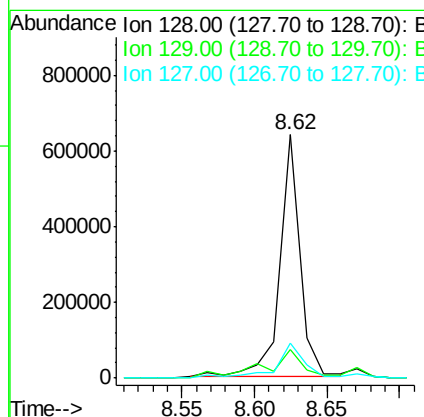
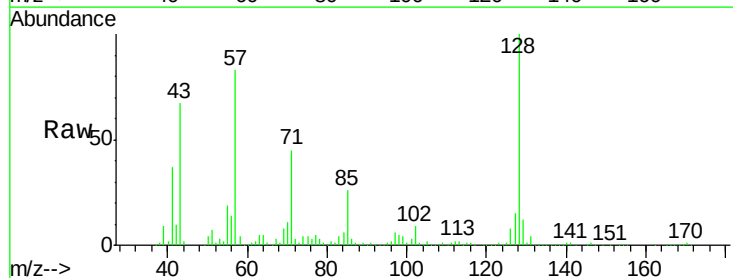
Instrument :
 BNA_F
 ClientSampleId :
 S-A-3(J)

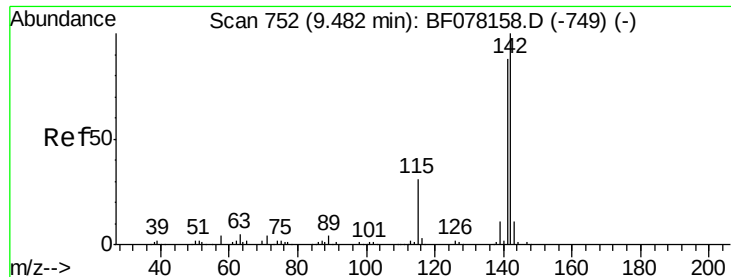
Tot Ion: 82 Resp: 111091
 Ion Ratio Lower Upper
 82 100
 128 52.6 31.8 47.8#
 54 40.6 41.5 62.3#



#31
 Naphthalene
 Concen: 66.62 ng
 RT: 8.62 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: BF078230.D
 Acq: 3 Apr 2015 7:26

Tgt Ion: 128 Resp: 628028
 Ion Ratio Lower Upper
 128 100
 129 11.7 8.6 12.8
 127 14.6 10.7 16.1

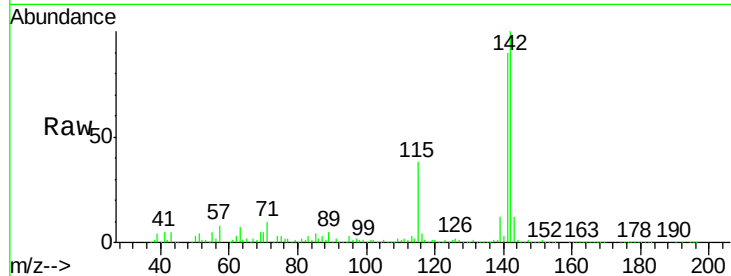




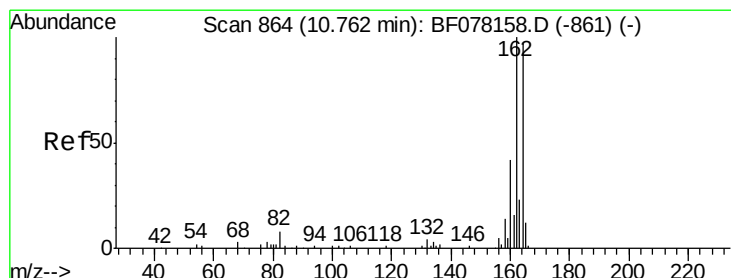
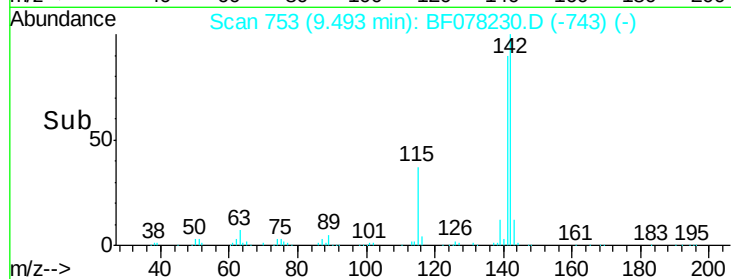
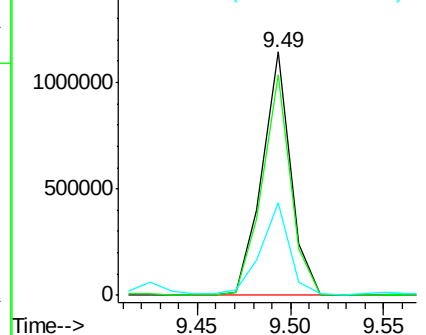
#37
 2-Methylnaphthalene
 Concen: 193.48 ng
 RT: 9.49 min Scan# 753
 Delta R.T. 0.01 min
 Lab File: BF078230.D
 Acq: 3 Apr 2015 7:26

Instrument :
 BNA_F
 ClientSampleId :
 S-A-3(J)

Tot Ion:142 Resp: 1238322
 Ion Ratio Lower Upper
 142 100
 141 90.4 70.3 105.5
 115 37.9 24.6 37.0#

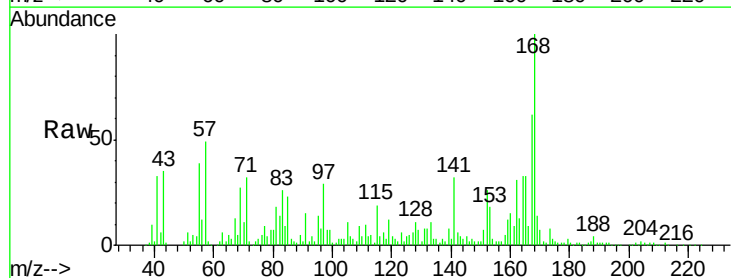


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

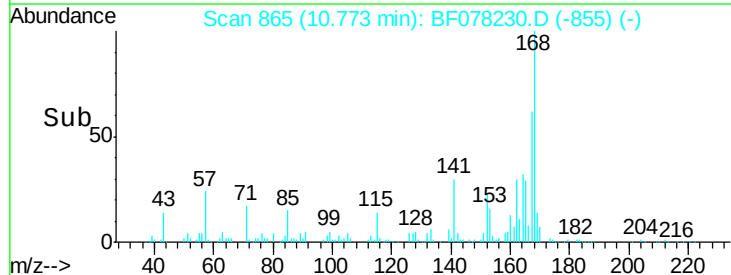
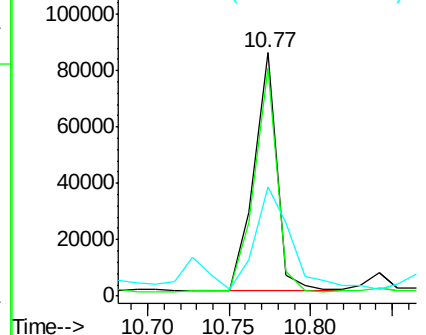


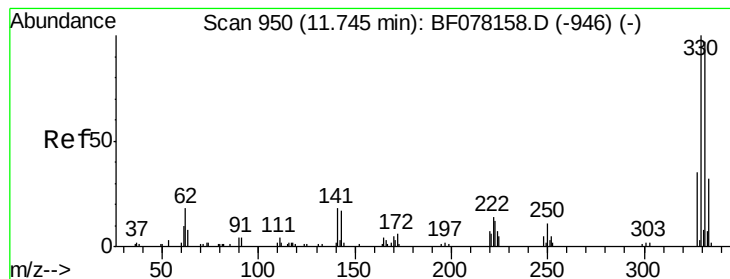
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.77 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: BF078230.D
 Acq: 3 Apr 2015 7:26

Tgt Ion:164 Resp: 82591
 Ion Ratio Lower Upper
 164 100
 162 93.7 82.2 123.2
 160 44.7 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

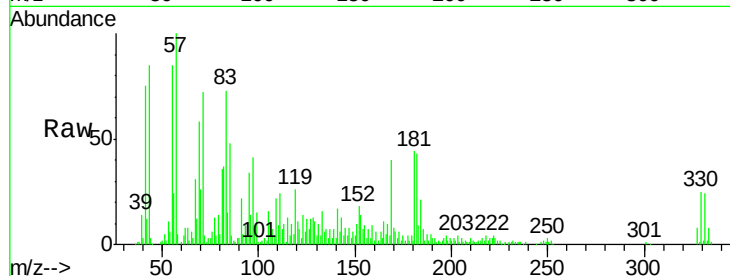




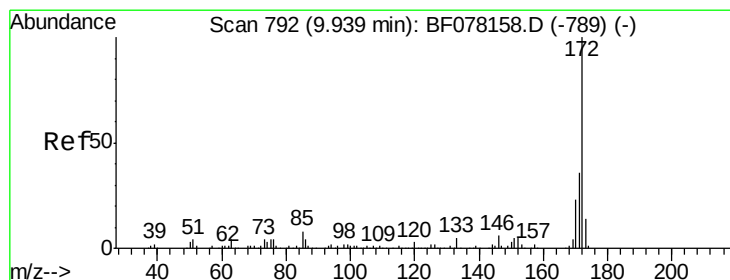
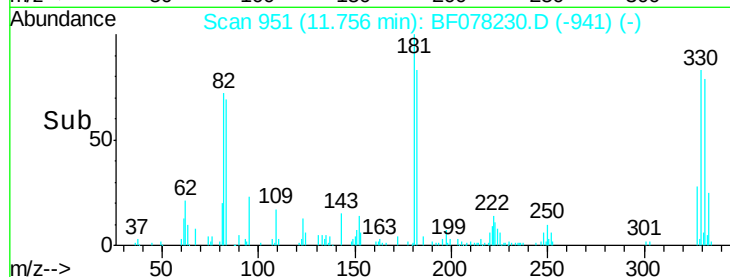
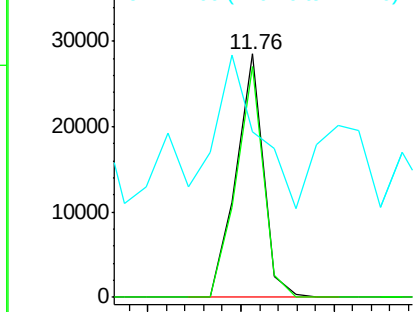
#41
 2,4,6-Tribromophenol
 Concen: 42.56 ng
 RT: 11.76 min Scan# 951
 Delta R.T. 0.01 min
 Lab File: BF078230.D
 Acq: 3 Apr 2015 7:26

Instrument :
 BNA_F
 ClientSampleId :
 S-A-3(J)

Tot Ion:330 Resp: 29150
 Ion Ratio Lower Upper
 330 100
 332 94.8 78.6 117.8
 141 121.2 31.2 46.8#

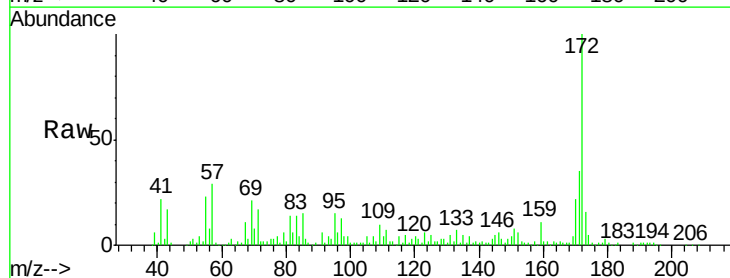


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

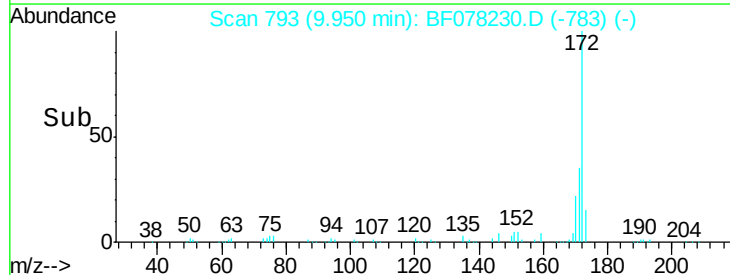
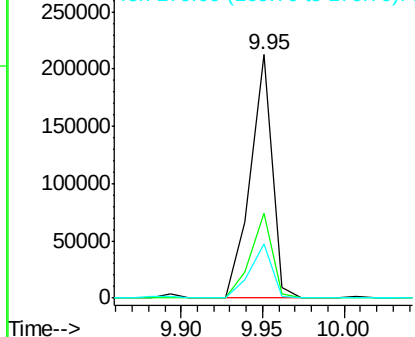


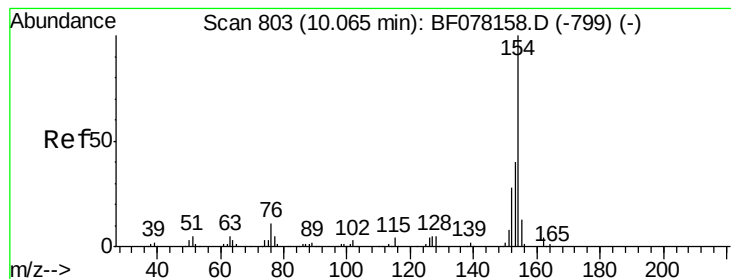
#44
 2-Fluorobiphenyl
 Concen: 34.21 ng
 RT: 9.95 min Scan# 793
 Delta R.T. 0.01 min
 Lab File: BF078230.D
 Acq: 3 Apr 2015 7:26

Tgt Ion:172 Resp: 197641
 Ion Ratio Lower Upper
 172 100
 171 34.7 28.6 42.8
 170 22.2 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: 41.36 ng

RT: 10.06 min Scan# 803

Delta R.T. 0.00 min

Lab File: BF078230.D

Acq: 3 Apr 2015 7:26

Instrument :

BNA_F

ClientSampleId :

S-A-3(J)

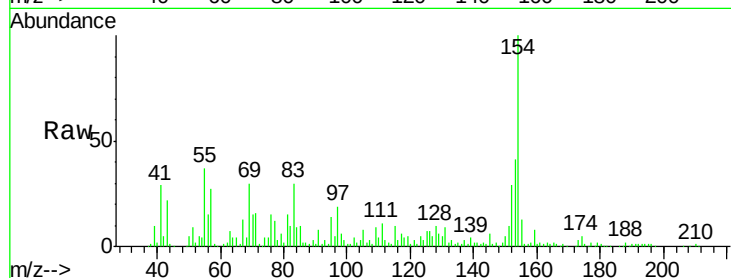
Tot Ion:154 Resp: 279381

Ion Ratio Lower Upper

154 100

153 41.1 20.0 60.0

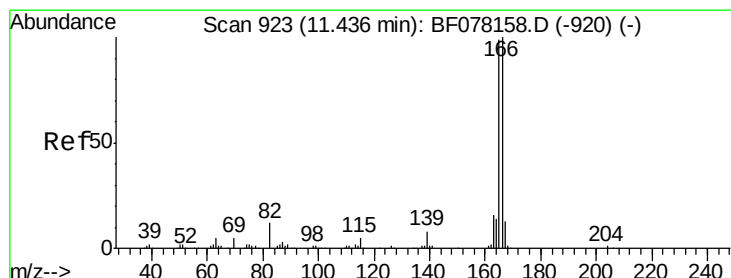
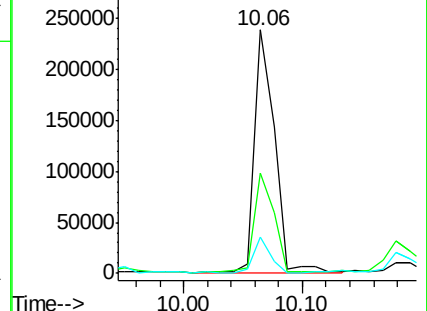
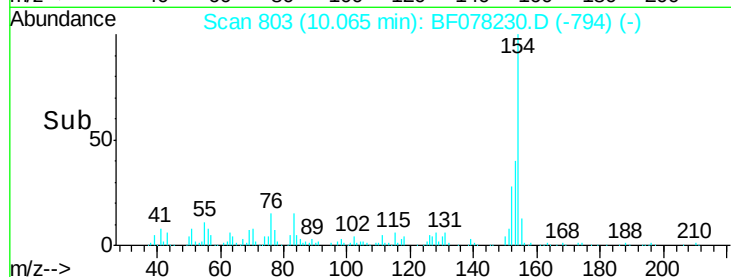
76 15.1 0.0 30.6



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



#57

Fluorene

Concen: 24.21 ng

RT: 11.45 min Scan# 924

Delta R.T. 0.01 min

Lab File: BF078230.D

Acq: 3 Apr 2015 7:26

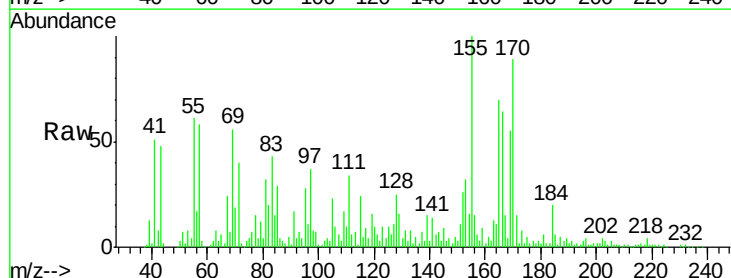
Tgt Ion:166 Resp: 144868

Ion Ratio Lower Upper

166 100

165 109.5 78.9 118.3

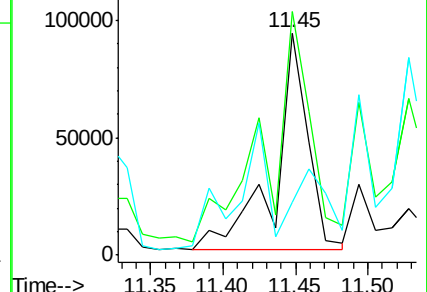
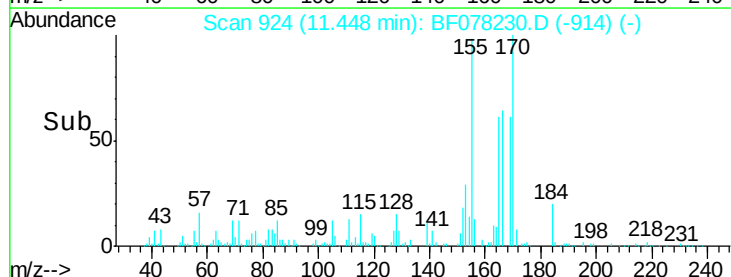
167 23.7 10.7 16.1#

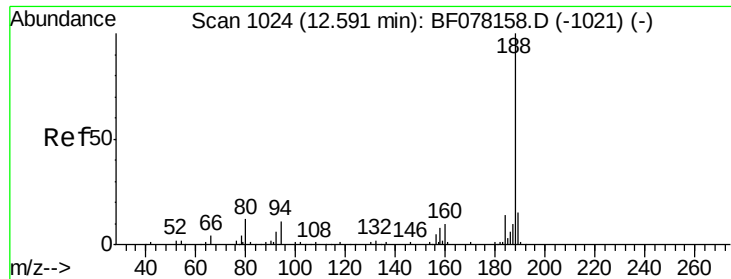


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

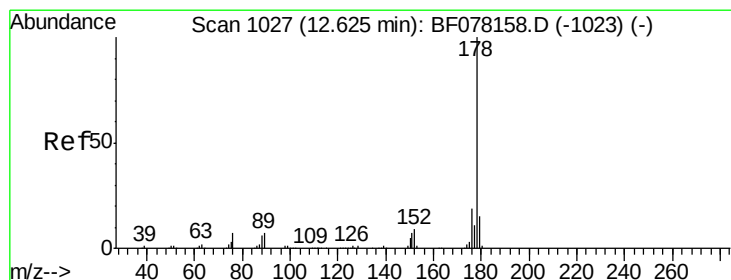
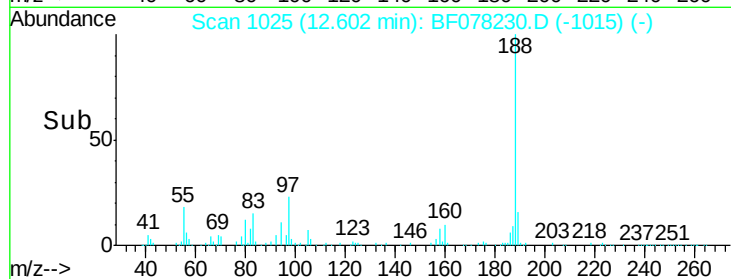
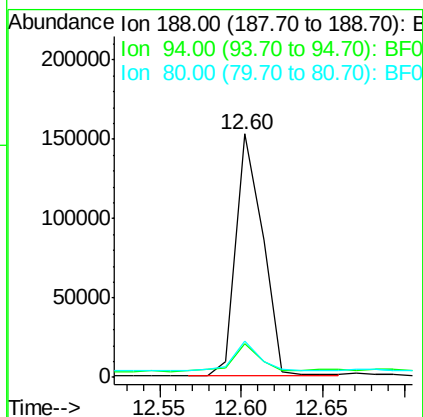
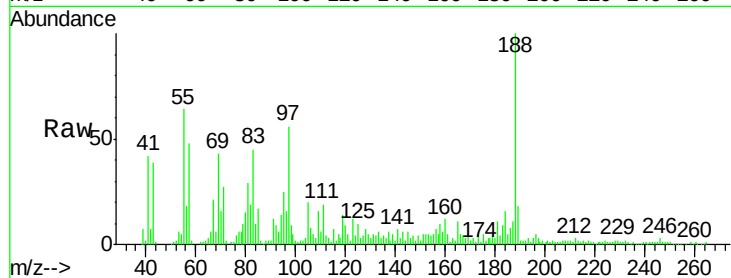




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.60 min Scan# 1025
Delta R.T. 0.01 min
Lab File: BF078230.D
Acq: 3 Apr 2015 7:26

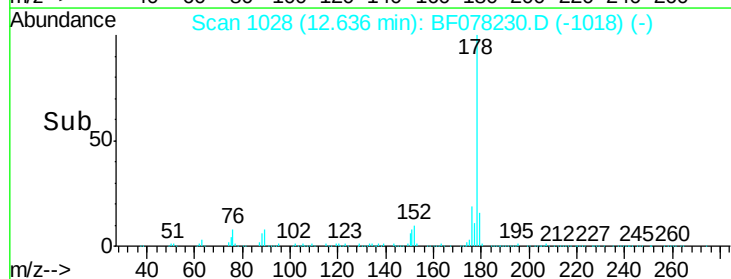
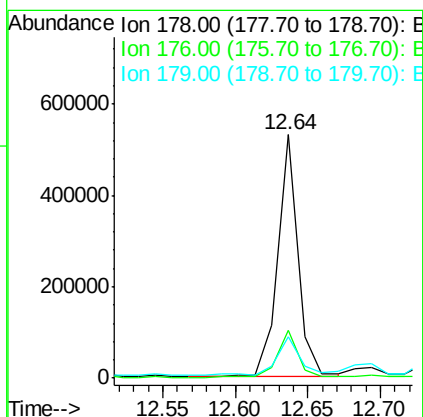
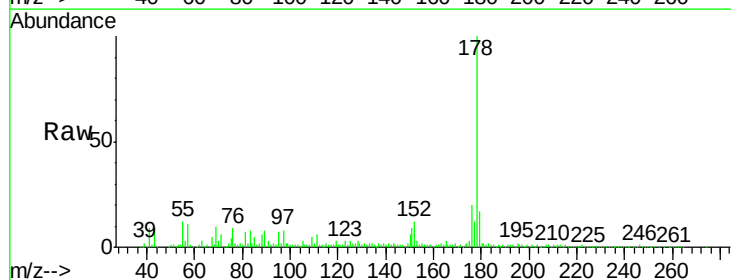
Instrument :
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S-A-3(J)

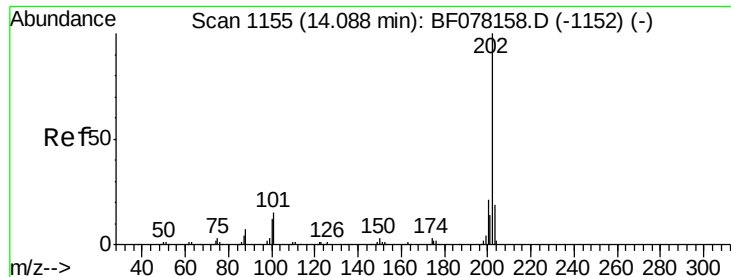
Tot Ion:188 Resp: 172793
Ion Ratio Lower Upper
188 100
94 14.1 9.0 13.4#
80 15.0 9.5 14.3#



#70
Phenanthrene
Concen: 51.19 ng
RT: 12.64 min Scan# 1028
Delta R.T. 0.01 min
Lab File: BF078230.D
Acq: 3 Apr 2015 7:26

Tgt Ion:178 Resp: 511636
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.0
179 17.0 12.2 18.2

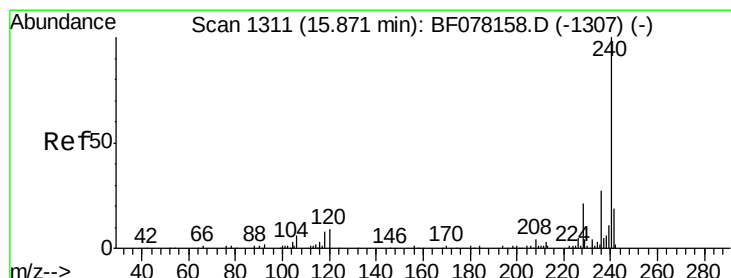
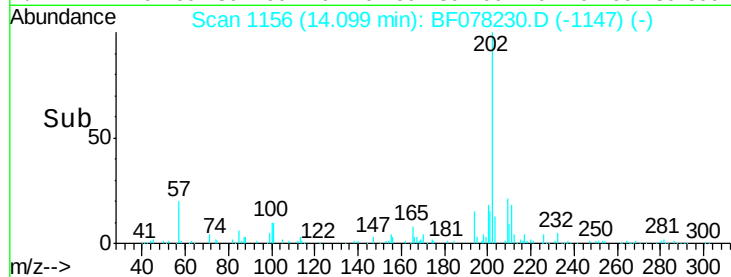
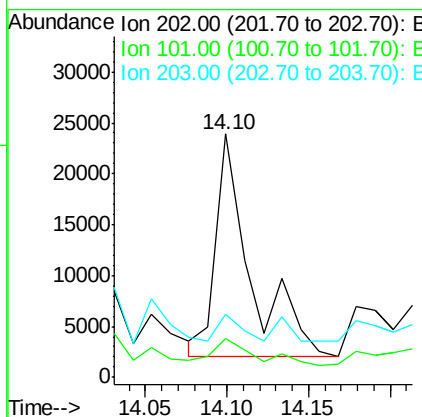
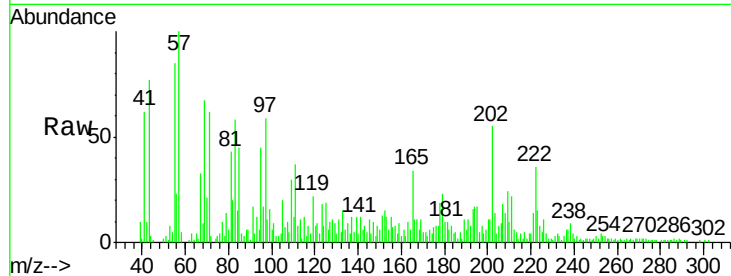




#74
Fluoranthene
Concen: 3.10 ng
RT: 14.10 min Scan# 1156
Delta R.T. 0.00 min
Lab File: BF078230.D
Acq: 3 Apr 2015 7:26

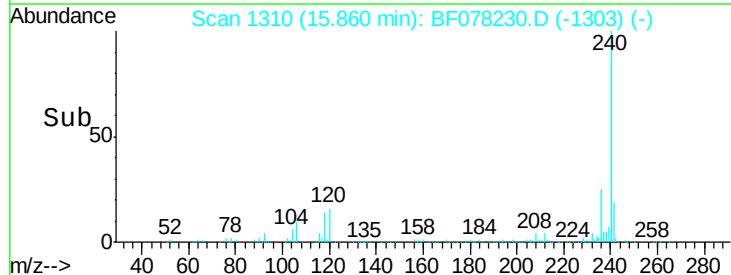
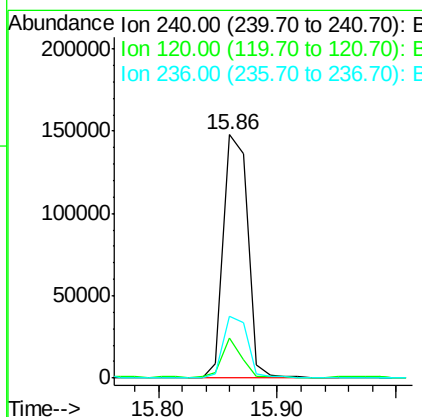
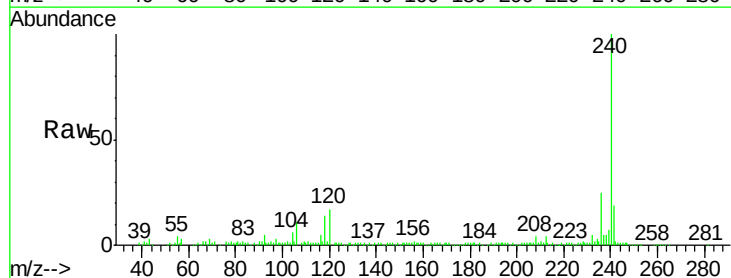
Instrument :
BNA_F
ClientSampleId :
S-A-3(J)

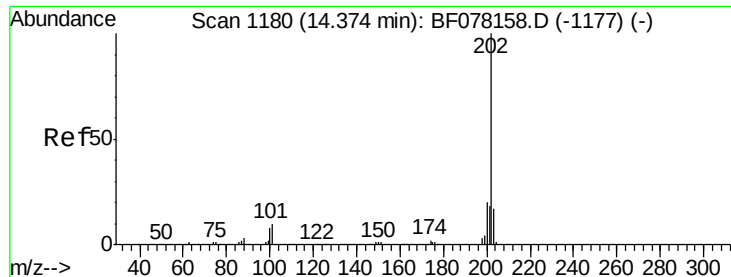
Tot Ion:202 Resp: 32659
Ion Ratio Lower Upper
202 100
101 16.2 0.0 35.2
203 26.1 0.0 38.5



#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.86 min Scan# 1310
Delta R.T. -0.02 min
Lab File: BF078230.D
Acq: 3 Apr 2015 7:26

Tgt Ion:240 Resp: 207616
Ion Ratio Lower Upper
240 100
120 16.7 7.1 10.7#
236 25.2 21.4 32.2





#77

Pvrene

Concen: 8.18 ng

RT: 14.37 min Scan# 1180

Delta R.T. 0.00 min

Lab File: BF078230.D

Acq: 3 Apr 2015 7:26

Instrument :

BNA_F

ClientSampleId :

S-A-3(J)

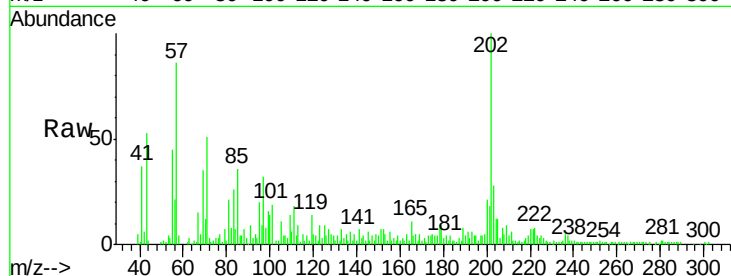
Tot Ion:202 Resp: 106634

Ion Ratio Lower Upper

202 100

200 21.2 16.3 24.5

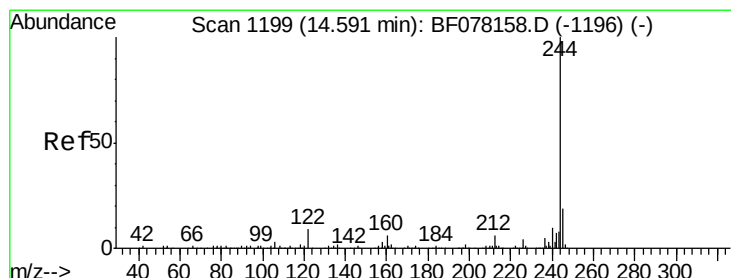
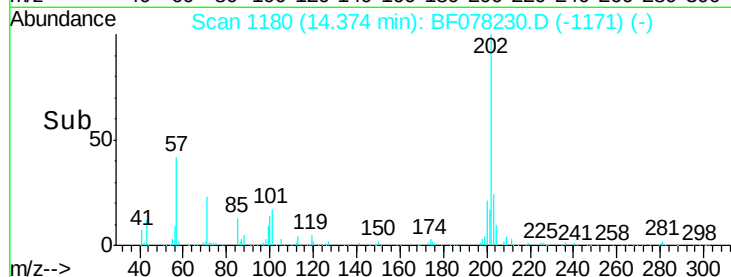
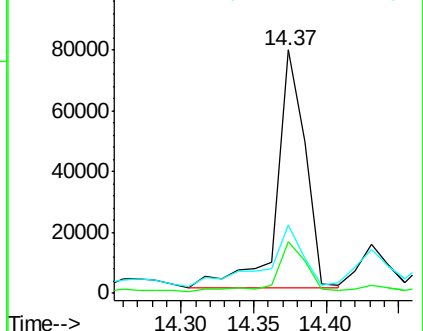
203 28.0 13.8 20.6#



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: 24.25 ng

RT: 14.59 min Scan# 1199

Delta R.T. 0.00 min

Lab File: BF078230.D

Acq: 3 Apr 2015 7:26

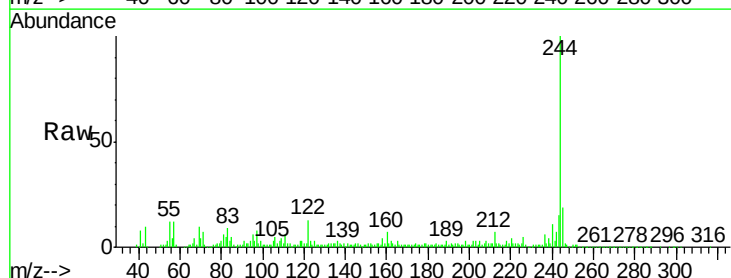
Tgt Ion:244 Resp: 222826

Ion Ratio Lower Upper

244 100

212 7.2 5.0 7.4

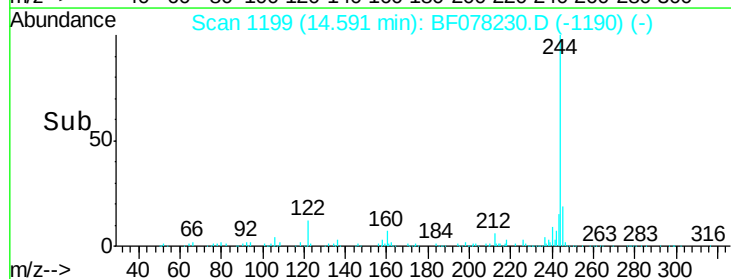
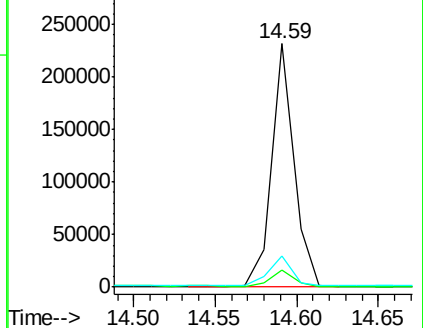
122 12.7 7.1 10.7#

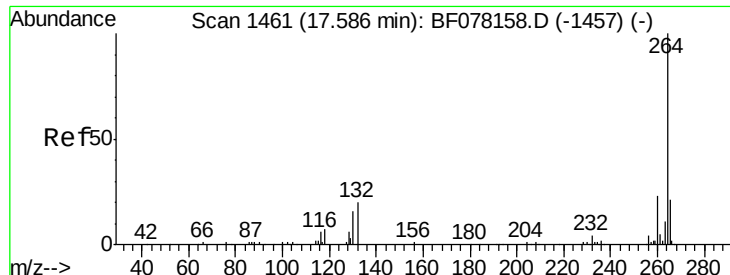


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

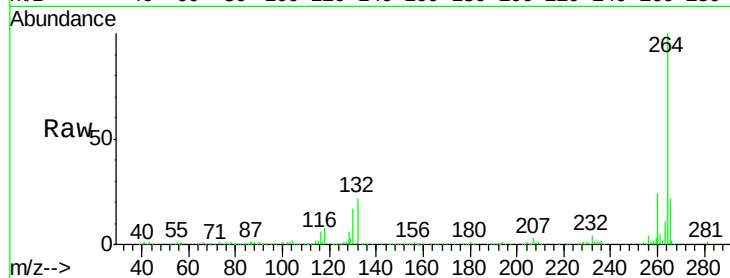




#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.56 min Scan# 1459
Delta R.T. -0.10 min
Lab File: BF078230.D
Acq: 3 Apr 2015 7:26

Instrument :
BNA_F
ClientSampleId :
S-A-3(J)

Tot Ion:264 Resp: 202449
Ion Ratio Lower Upper
264 100
260 23.8 18.6 27.8
265 22.3 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

