

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051415\
 Data File : BF079247.D
 Acq On : 14 May 2015 22:39
 Operator : TP/IZ
 Sample : G2215-10 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

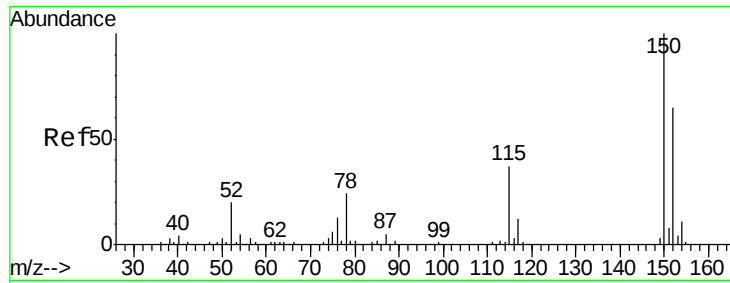
Instrument :
 BNA_F
 ClientSampleId :
 SB-38D

Quant Time: May 15 01:15:25 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 15 00:55:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.22	152	38854	20.00	ng	0.00
21) Naphthalene-d8	8.79	136	166119	20.00	ng	-0.01
38) Acenaphthene-d10	10.97	164	80864	20.00	ng	0.00
63) Phenanthrene-d10	12.81	188	164765	20.00	ng	-0.01
75) Chrysene-d12	16.43	240	4136	20.00	ng	-0.07
86) Perylene-d12	18.77	264	1641	20.00	ng	-0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	148874	65.96	ng	0.00
7) Phenol-d6	6.79	99	186826	62.62	ng	0.00
23) Nitrobenzene-d5	7.91	82	103138	35.68	ng	-0.01
41) 2,4,6-Tribromophenol	11.95	330	48163	55.06	ng	0.00
44) 2-Fluorobiphenyl	10.14	172	167703	28.89	ng	-0.01
78) Terphenyl-d14	14.81	244	180690	1045.93	ng	-0.11
Target Compounds						Qvalue
31) Naphthalene	8.82	128	75128	9.49	ng	97
33) 4-Chloroaniline	8.82	127	6901	2.06	ng	# 27
37) 2-Methylnaphthalene	9.68	142	19350	3.53	ng	94
48) Acenaphthylene	10.79	152	42141	5.12	ng	99
49) Dimethylphthalate	10.65	163	15544	2.62	ng	96
51) Acenaphthene	11.00	154	34024	6.93	ng	97
54) Dibenzofuran	11.22	168	49171	6.93	ng	95
57) Fluorene	11.65	166	50409	8.66	ng	98
70) Phenanthrene	12.85	178	719915	78.10	ng	100
71) Anthracene	12.90	178	171991	19.02	ng	97
72) Carbazole	13.11	167	70183	8.14	ng	98
74) Fluoranthene	14.32	202	759881	79.11	ng	99
77) Pyrene	14.61	202	734656	3082.45	ng	99
79) Butylbenzylphthalate	15.57	149	951	9.13	ng	# 74
81) 3,3'-Dichlorobenzidine	16.43	252	243	3.01	ng	# 25
87) Benzo(b)fluoranthene	18.11	252	664	7.39	ng	# 1
88) Benzo(k)fluoranthene	18.18	252	1267	14.57	ng	# 1
89) Benzo(a)pyrene	18.69	252	1887	22.82	ng	# 1
90) Dibenzo(a,h)anthracene	20.58	278	455	5.18	ng	# 1
91) Benzo(g,h,i)perylene	20.89	276	1917	21.76	ng	# 1

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

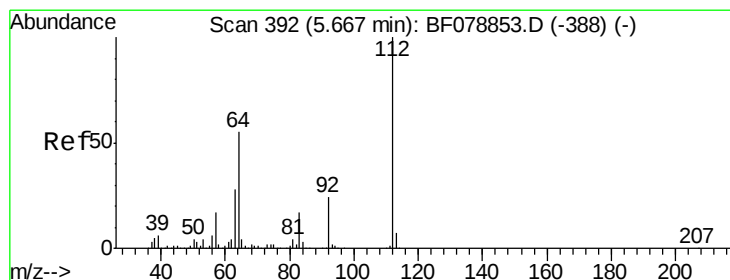
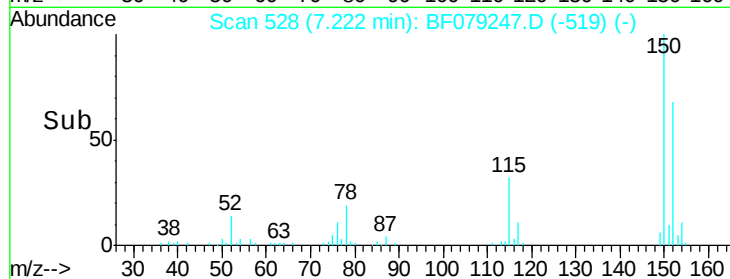
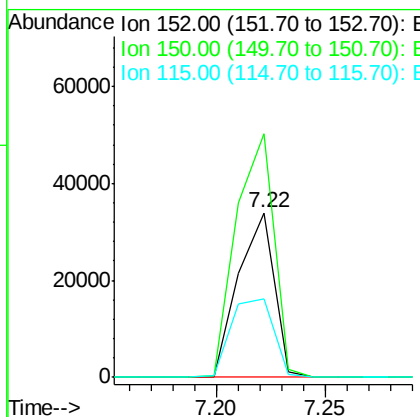
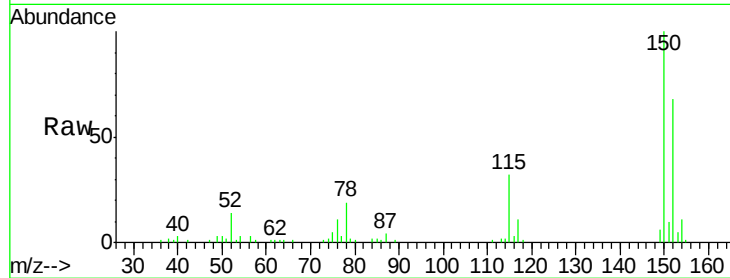
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Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051415\  
Data File : BF079247.D  
Acq On    : 14 May 2015   22:39  
Operator  : TP/IZ  
Sample    : G2215-10 2X  
Misc      :  
ALS Vial  : 13      Sample Multiplier: 1
```



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.22 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: BF079247.D
 Acq: 14 May 2015 22:39

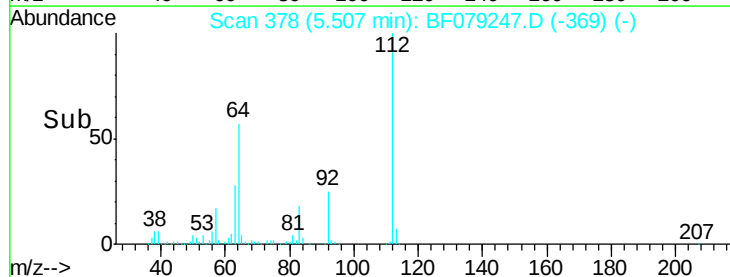
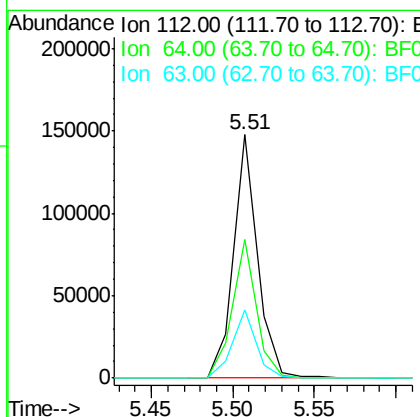
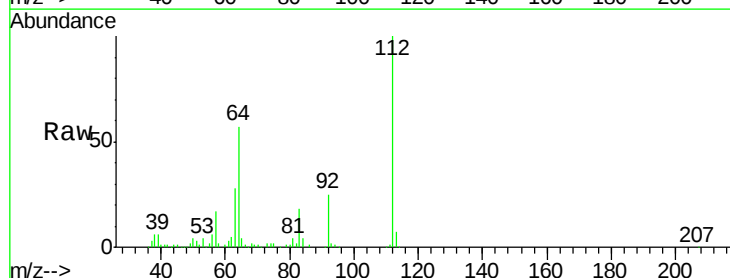
Instrument :
 BNA_F
 ClientSampleId :
 SB-38D

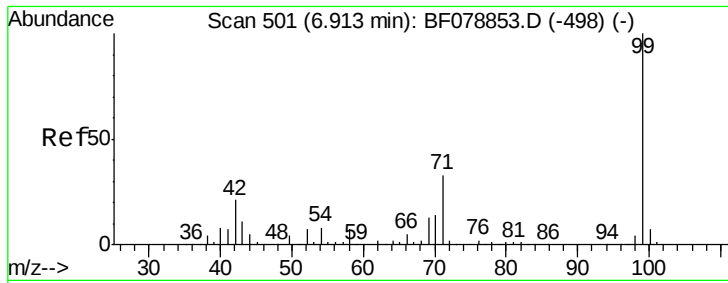
Tgt Ion:152 Resp: 38854
 Ion Ratio Lower Upper
 152 100
 150 148.1 122.0 183.0
 115 47.5 46.3 69.5



#5
 2-Fluorophenol
 Concen: 65.96 ng
 RT: 5.51 min Scan# 378
 Delta R.T. -0.00 min
 Lab File: BF079247.D
 Acq: 14 May 2015 22:39

Tgt Ion:112 Resp: 148874
 Ion Ratio Lower Upper
 112 100
 64 56.7 53.5 80.3
 63 28.1 27.5 41.3





#7

Phenol-d6

Concen: 62.62 ng

RT: 6.79 min Scan# 490

Delta R.T. -0.00 min

Lab File: BF079247.D

Acq: 14 May 2015 22:39

Instrument :

BNA_F

ClientSampleId :

SB-38D

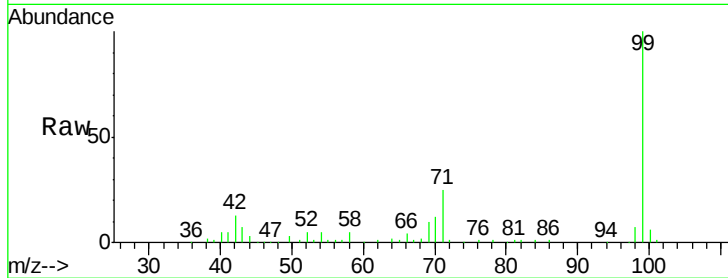
Tgt Ion: 99 Resp: 186826

Ion Ratio Lower Upper

99 100

42 12.6 12.8 19.2#

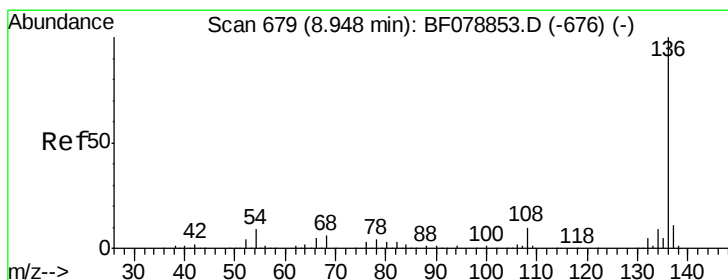
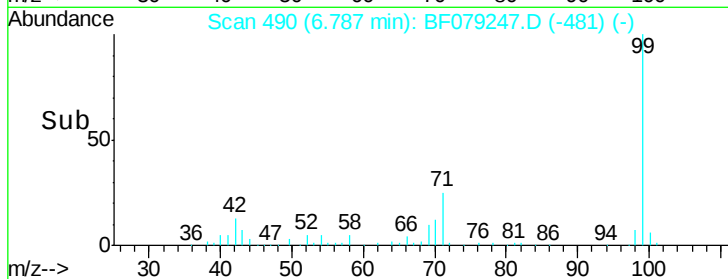
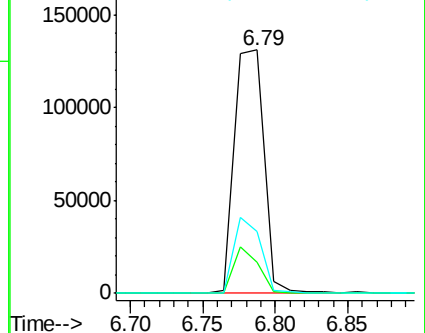
71 25.2 23.4 35.2



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.79 min Scan# 665

Delta R.T. -0.01 min

Lab File: BF079247.D

Acq: 14 May 2015 22:39

Tgt Ion: 136 Resp: 166119

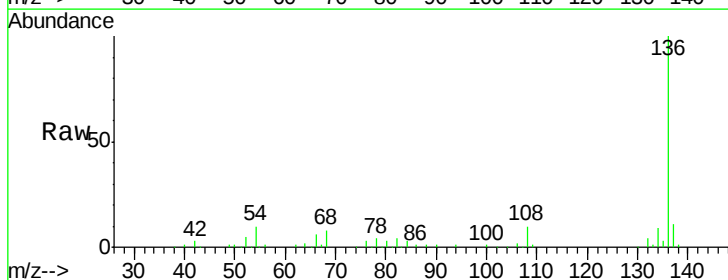
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 10.1 5.8 8.8#

68 7.8 4.2 6.4#

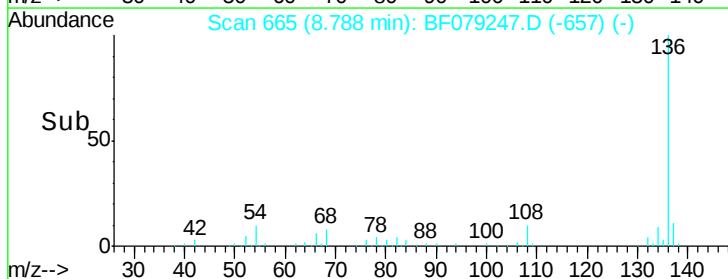
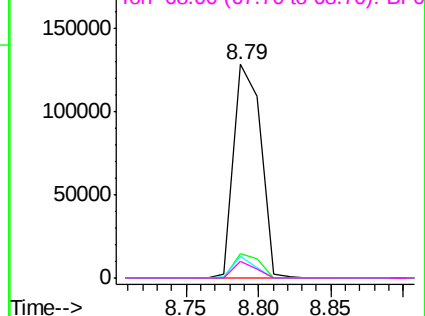


Abundance Ion 136.00 (135.70 to 136.70): E

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

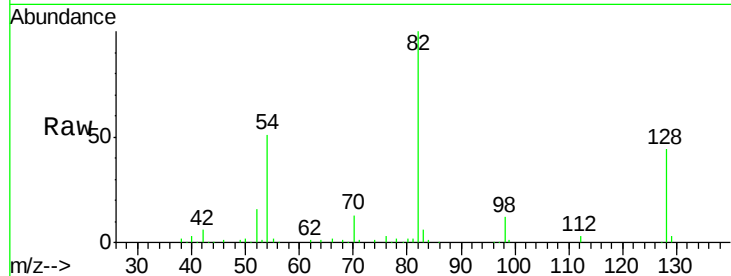




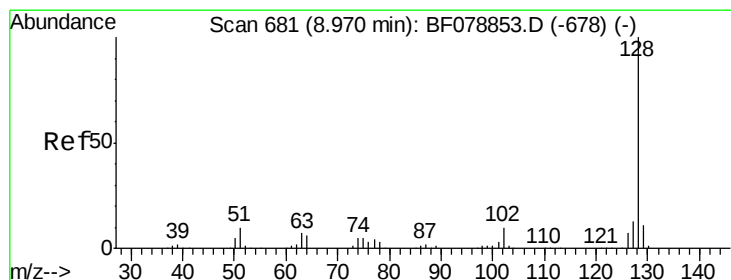
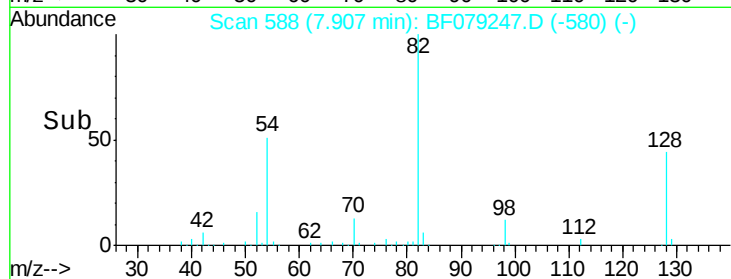
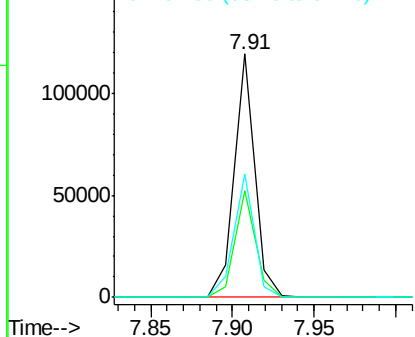
#23
 Nitrobenzene-d5
 Concen: 35.68 ng
 RT: 7.91 min Scan# 588
 Delta R.T. -0.01 min
 Lab File: BF079247.D
 Acq: 14 May 2015 22:39

Instrument :
 BNA_F
 ClientSampleId :
 SB-38D

Tgt Ion: 82 Resp: 103138
 Ion Ratio Lower Upper
 82 100
 128 44.0 30.0 45.0
 54 50.7 46.4 69.6

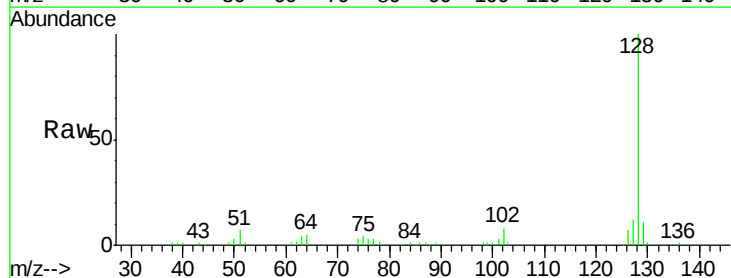


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

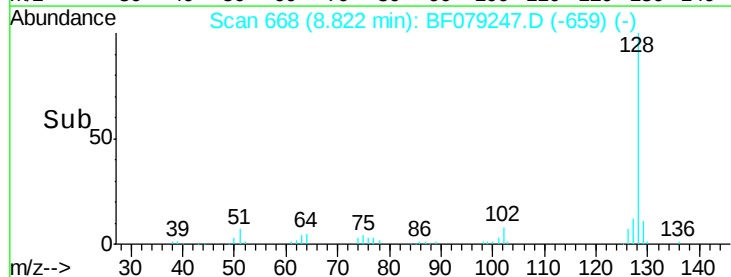
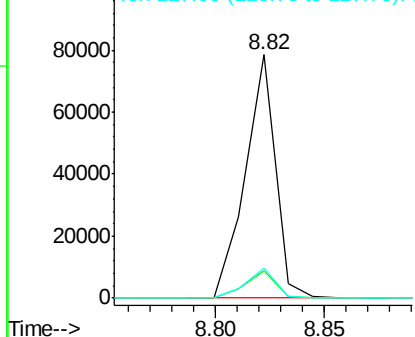


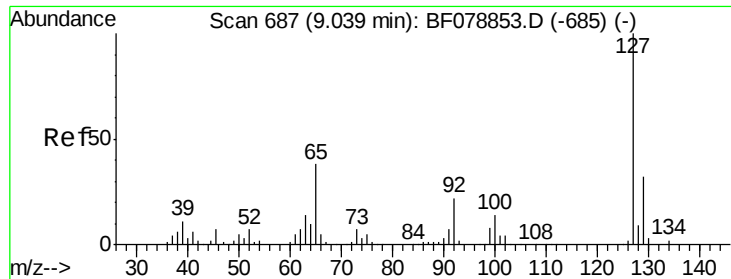
#31
 Naphthalene
 Concen: 9.49 ng
 RT: 8.82 min Scan# 668
 Delta R.T. -0.00 min
 Lab File: BF079247.D
 Acq: 14 May 2015 22:39

Tgt Ion: 128 Resp: 75128
 Ion Ratio Lower Upper
 128 100
 129 11.1 9.3 13.9
 127 12.0 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

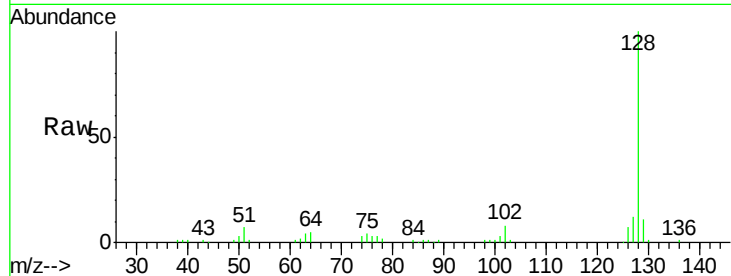




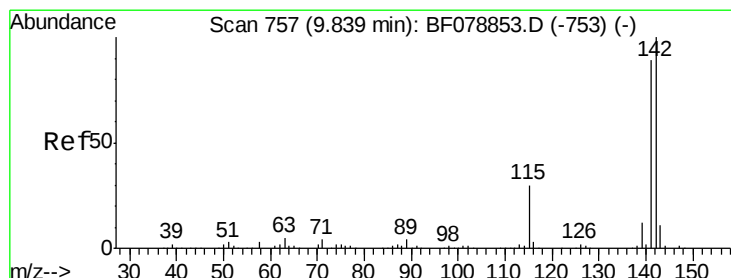
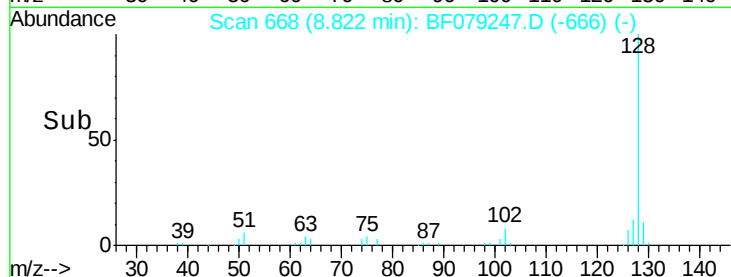
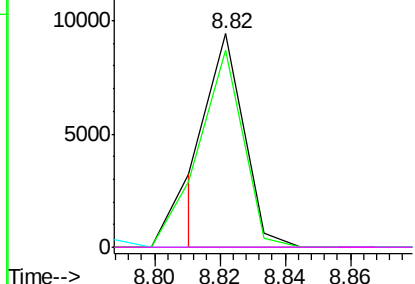
#33
 4-Chloroaniline
 Concen: 2.06 ng
 RT: 8.82 min Scan# 668
 Delta R.T. -0.08 min
 Lab File: BF079247.D
 Acq: 14 May 2015 22:39

Instrument :
 BNA_F
 ClientSampleID :
 SB-38D

Tgt Ion:	127	Resp:	6901
Ion	Ratio	Lower	Upper
127	100		
129	92.2	25.8	38.8#
65	0.0	25.8	38.6#
92	0.0	15.5	23.3#

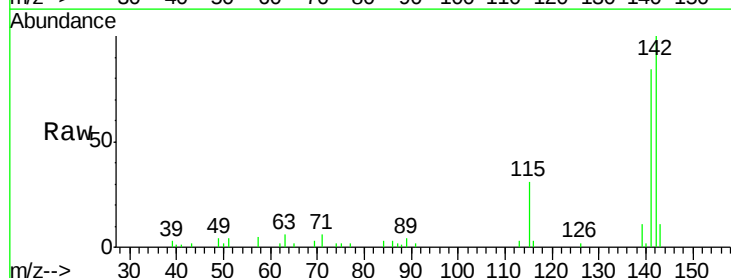


Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0

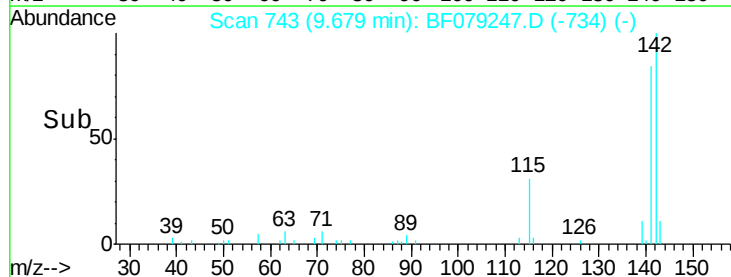
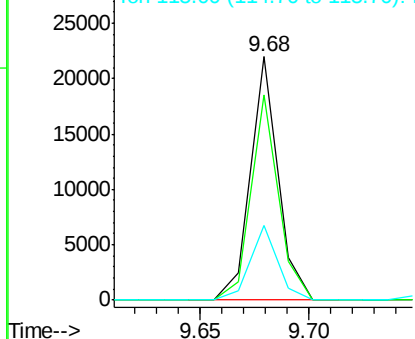


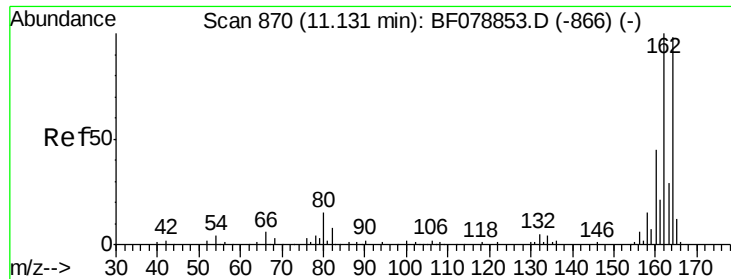
#37
 2-Methylnaphthalene
 Concen: 3.53 ng
 RT: 9.68 min Scan# 743
 Delta R.T. -0.00 min
 Lab File: BF079247.D
 Acq: 14 May 2015 22:39

Tgt Ion:	142	Resp:	19350
Ion	Ratio	Lower	Upper
142	100		
141	84.5	70.9	106.3
115	30.6	28.5	42.7



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

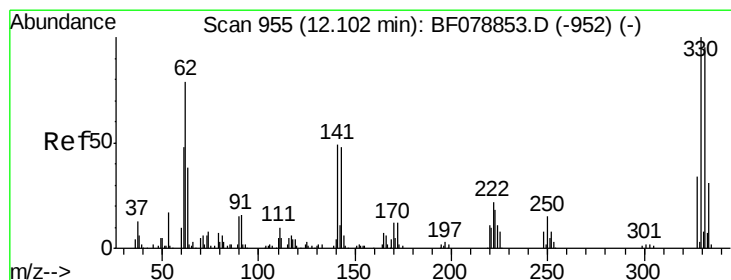
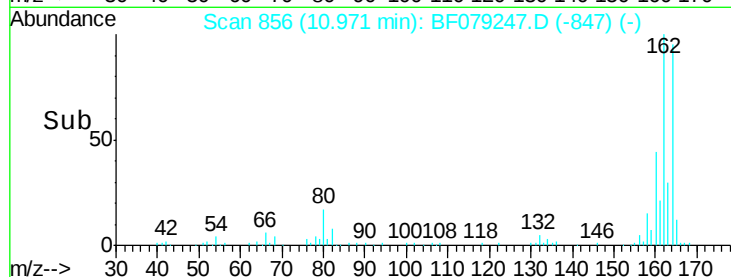
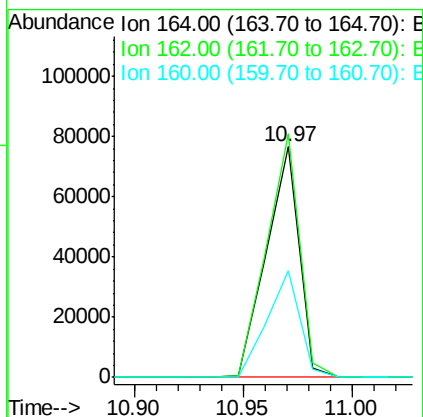
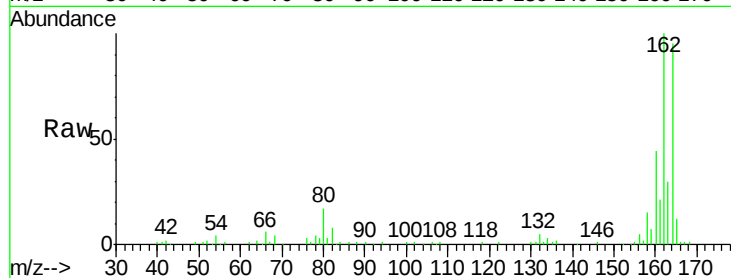




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.97 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: BF079247.D
 Acq: 14 May 2015 22:39

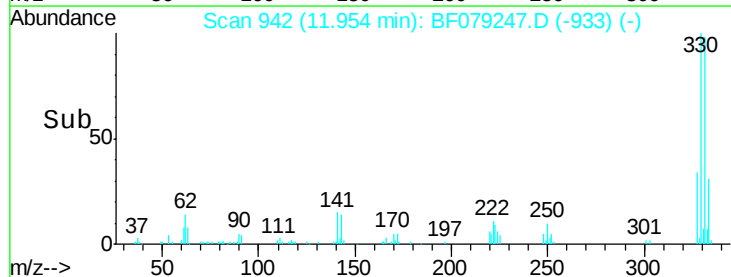
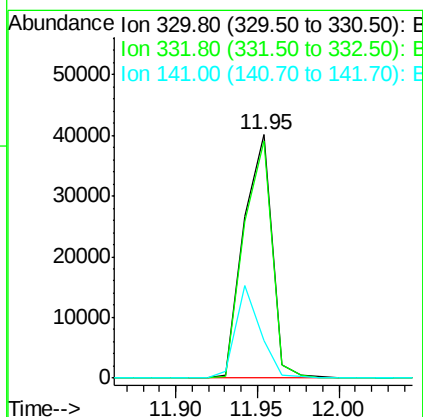
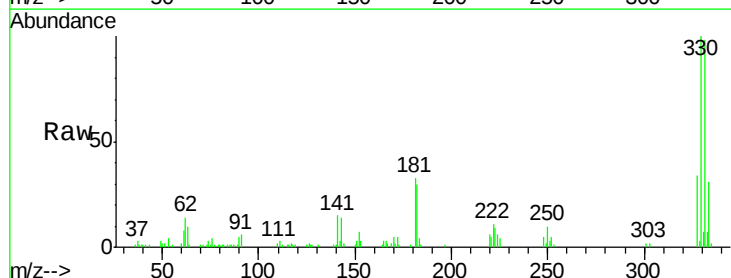
Instrument :
 BNA_F
 ClientSampled :
 SB-38D

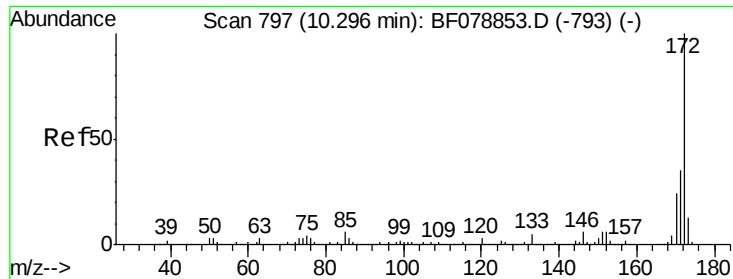
Tgt Ion:164 Resp: 80864
 Ion Ratio Lower Upper
 164 100
 162 105.5 82.7 124.1
 160 46.4 35.8 53.8



#41
 2,4,6-Tribromophenol
 Concen: 55.06 ng
 RT: 11.95 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: BF079247.D
 Acq: 14 May 2015 22:39

Tgt Ion:330 Resp: 48163
 Ion Ratio Lower Upper
 330 100
 332 96.9 0.0 0.0#
 141 33.1 0.0 0.0#

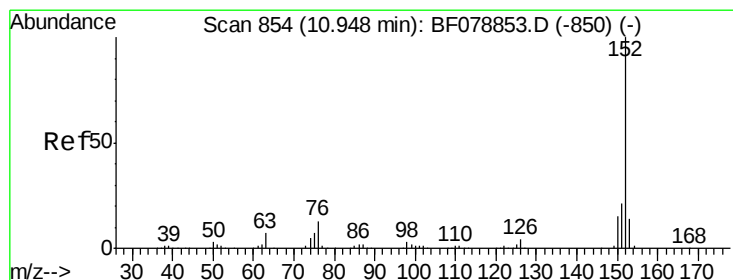
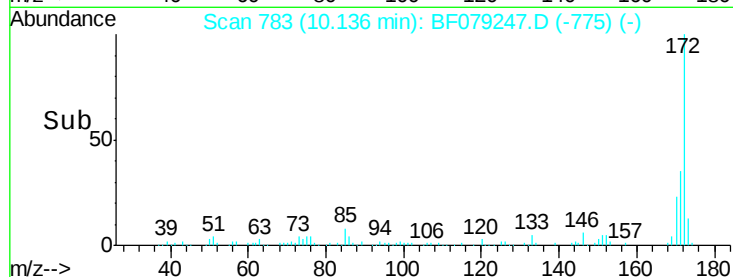
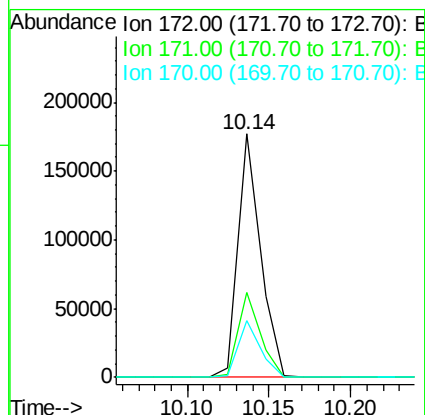
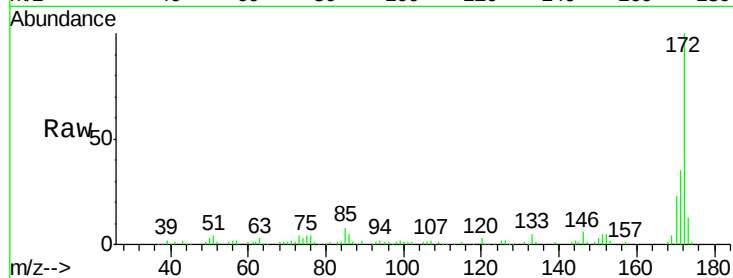




#44
 2-Fluorobiphenyl
 Concen: 28.89 ng
 RT: 10.14 min Scan# 783
 Delta R.T. -0.01 min
 Lab File: BF079247.D
 Acq: 14 May 2015 22:39

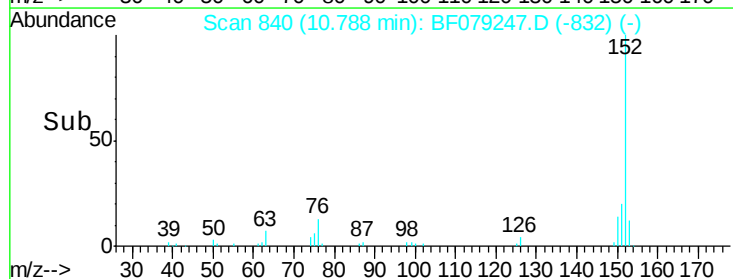
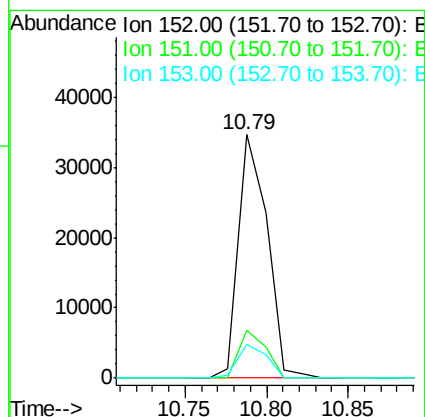
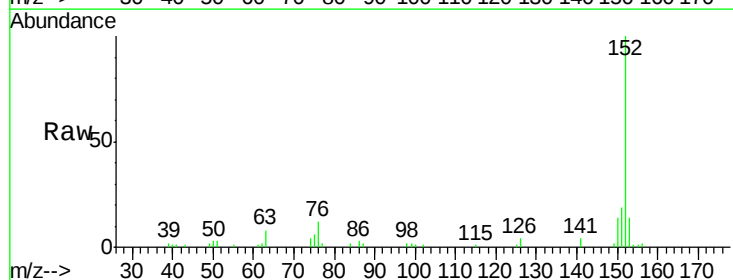
Instrument :
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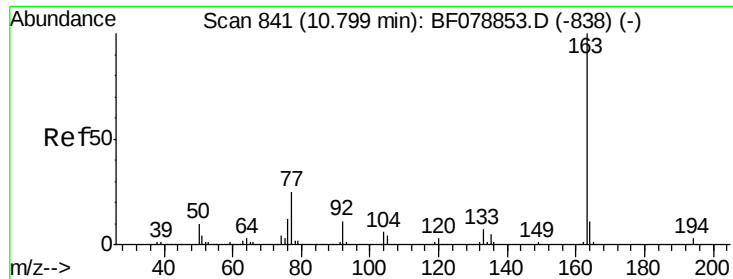
Tgt Ion:172 Resp: 167703
 Ion Ratio Lower Upper
 172 100
 171 35.0 27.9 41.9
 170 23.2 19.4 29.0



#48
 Acenaphthylene
 Concen: 5.12 ng
 RT: 10.79 min Scan# 840
 Delta R.T. -0.01 min
 Lab File: BF079247.D
 Acq: 14 May 2015 22:39

Tgt Ion:152 Resp: 42141
 Ion Ratio Lower Upper
 152 100
 151 19.4 16.2 24.4
 153 13.7 10.9 16.3

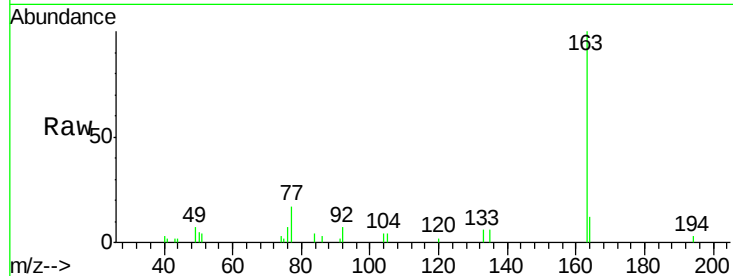




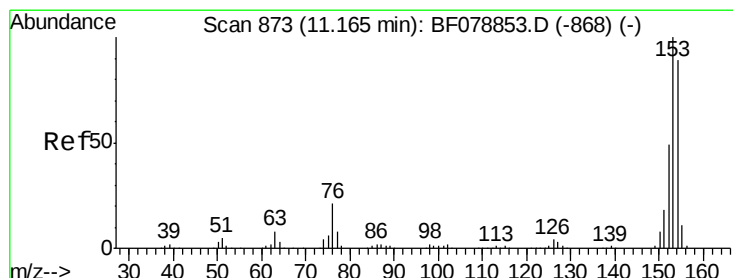
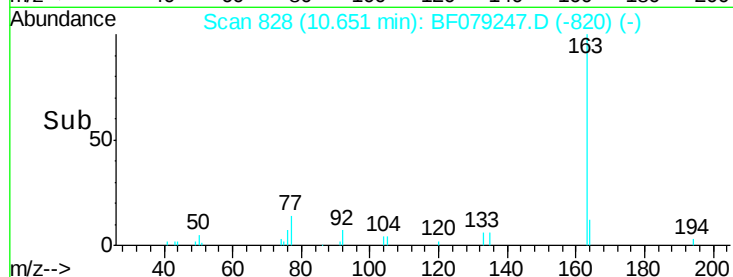
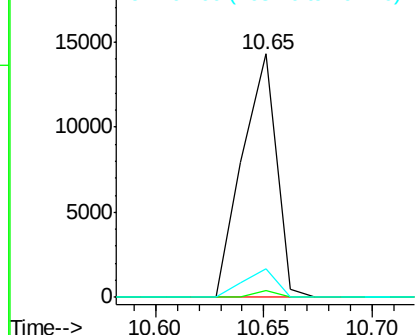
#49
Dimethylphthalate
Concen: 2.62 ng
RT: 10.65 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF079247.D
Acq: 14 May 2015 22:39

Instrument :
BNA_F
ClientSampleId :
SB-38D

Tgt Ion:163 Resp: 15544
Ion Ratio Lower Upper
163 100
194 2.9 2.6 4.0
164 11.9 8.1 12.1

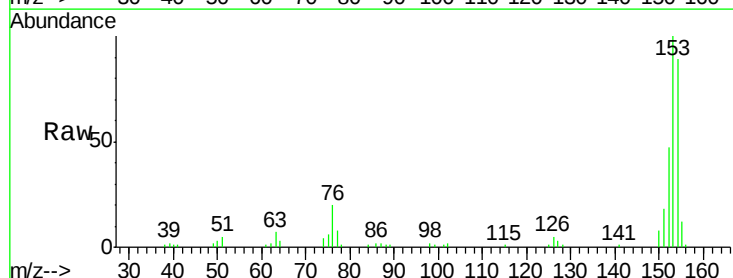


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

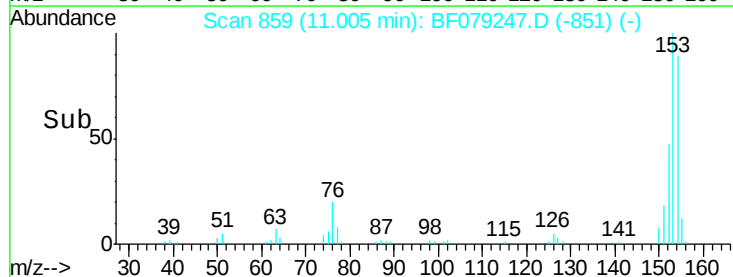
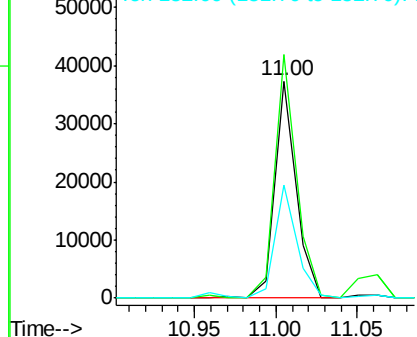


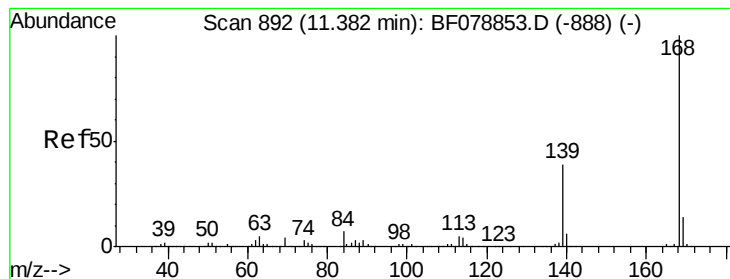
#51
Acenaphthene
Concen: 6.93 ng
RT: 11.00 min Scan# 859
Delta R.T. -0.01 min
Lab File: BF079247.D
Acq: 14 May 2015 22:39

Tgt Ion:154 Resp: 34024
Ion Ratio Lower Upper
154 100
153 112.2 91.5 137.3
152 52.3 44.2 66.4



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





#54

Dibenzenofuran

Concen: 6.93 ng

RT: 11.22 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF079247.D

Acq: 14 May 2015 22:39

Instrument :

BNA_F

ClientSampleId :

SB-38D

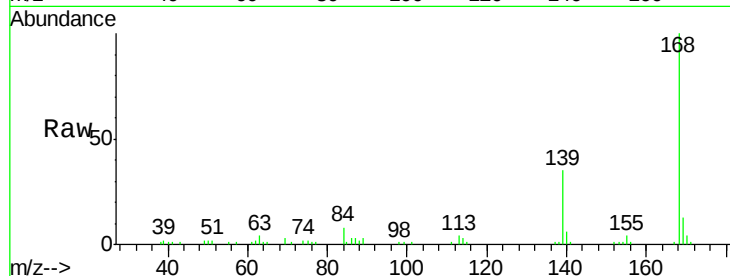
Tgt Ion:168 Resp: 49171

Ion Ratio Lower Upper

168 100

139 35.1 31.0 46.4

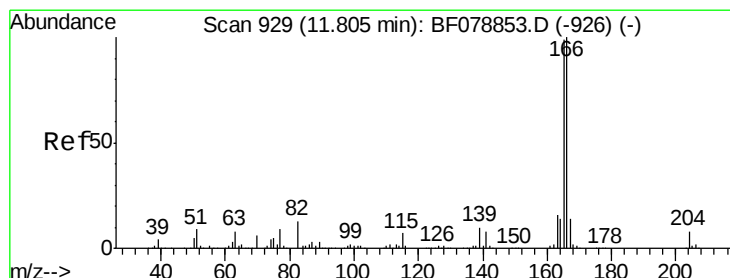
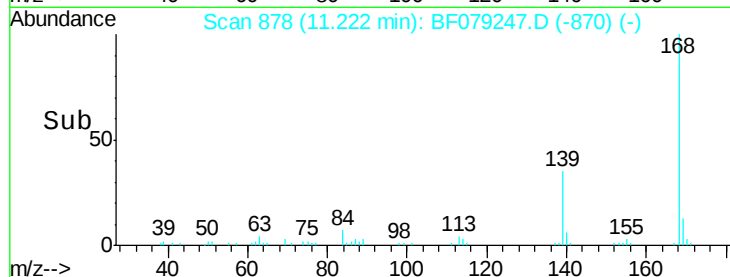
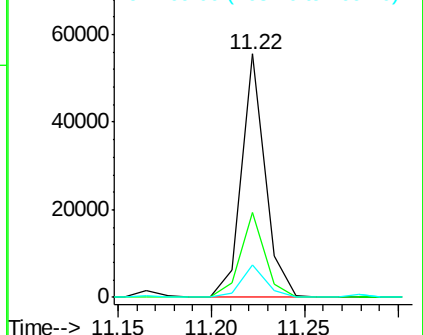
169 13.1 10.6 16.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 8.66 ng

RT: 11.65 min Scan# 915

Delta R.T. -0.01 min

Lab File: BF079247.D

Acq: 14 May 2015 22:39

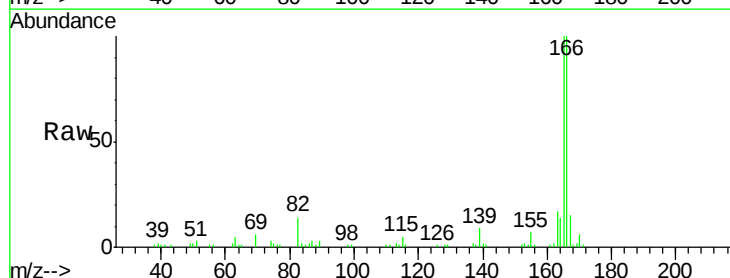
Tgt Ion:166 Resp: 50409

Ion Ratio Lower Upper

166 100

165 99.7 78.5 117.7

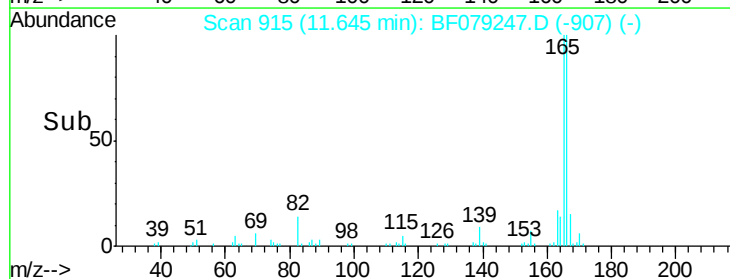
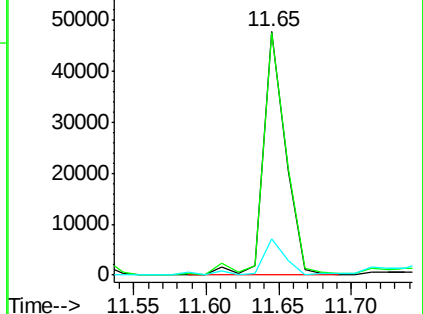
167 15.0 11.0 16.6

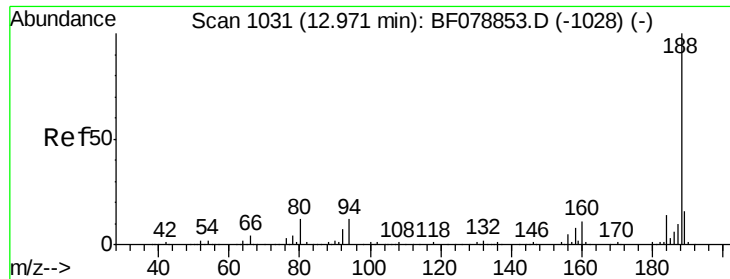


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

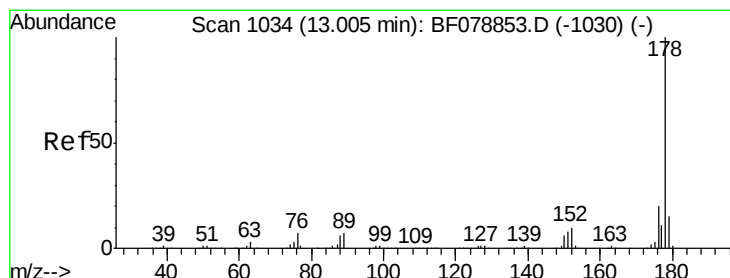
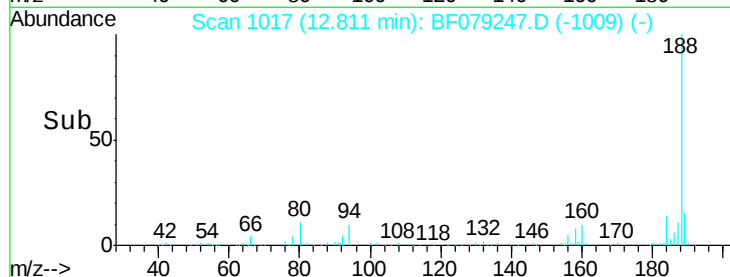
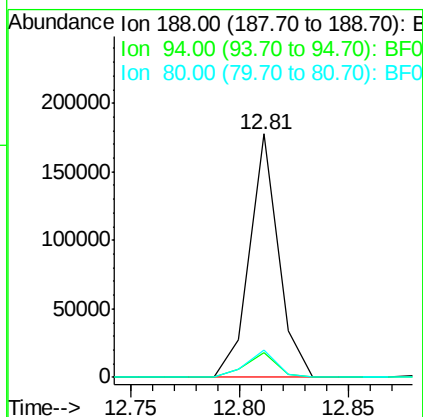
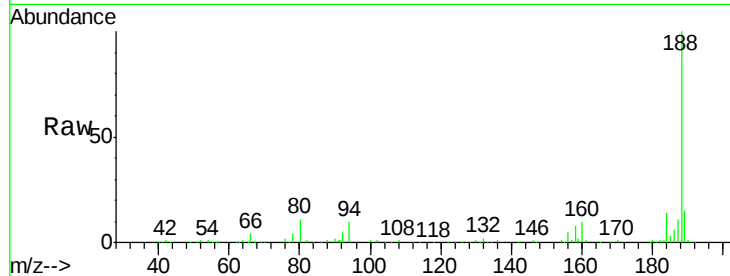




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.81 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF079247.D
Acq: 14 May 2015 22:39

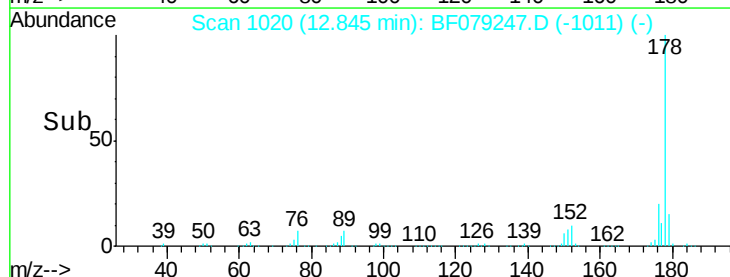
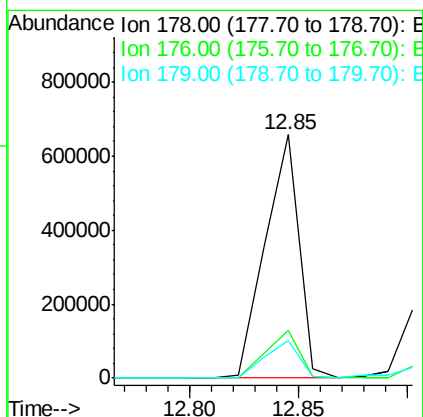
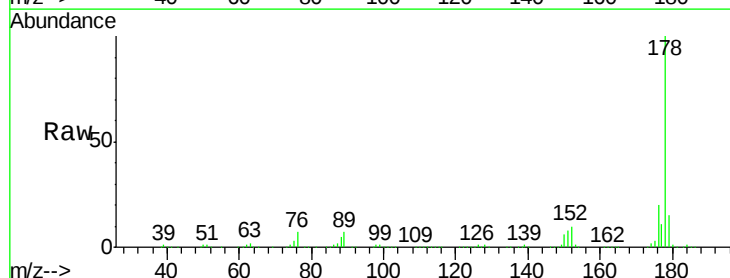
Instrument :
BNA_F
ClientSampleId :
SB-38D

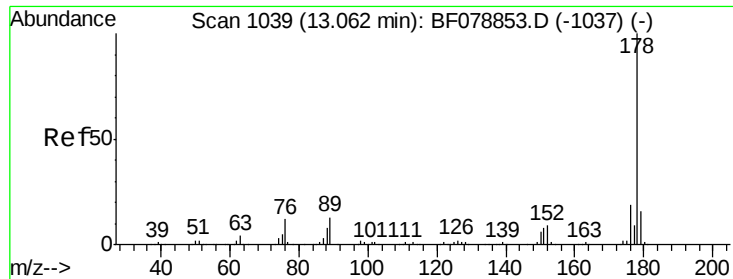
Tgt Ion:188 Resp: 164765
Ion Ratio Lower Upper
188 100
94 10.2 8.2 12.2
80 11.0 8.9 13.3



#70
Phenanthrene
Concen: 78.10 ng
RT: 12.85 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF079247.D
Acq: 14 May 2015 22:39

Tgt Ion:178 Resp: 719915
Ion Ratio Lower Upper
178 100
176 19.8 15.8 23.8
179 15.3 12.5 18.7

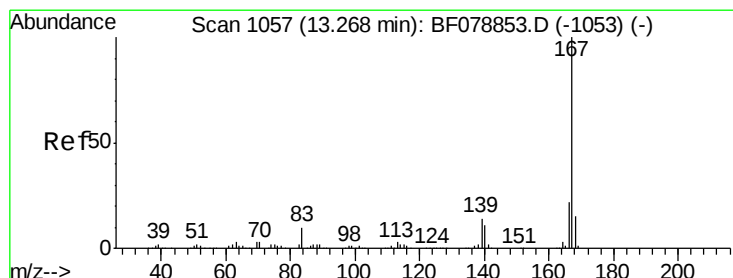
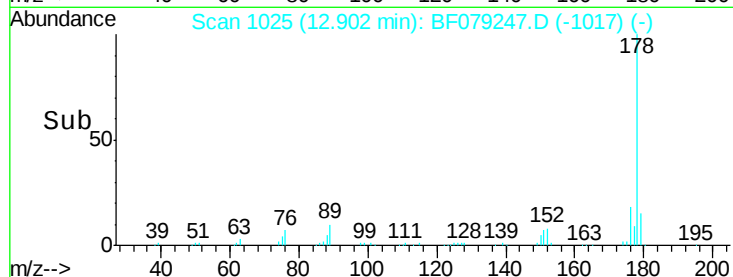
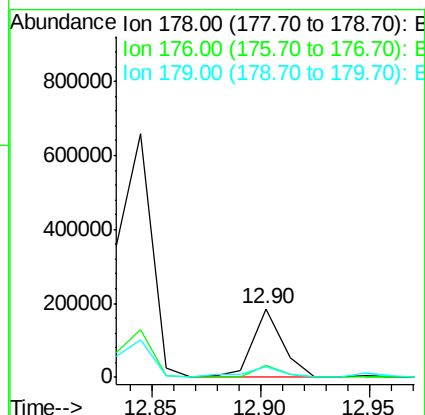
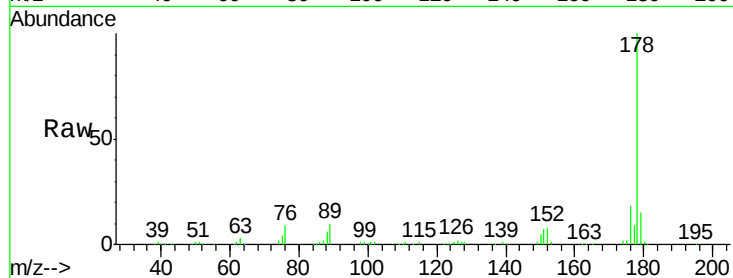




#71
 Anthracene
 Concen: 19.02 ng
 RT: 12.90 min Scan# 1025
 Delta R.T. -0.01 min
 Lab File: BF079247.D
 Acq: 14 May 2015 22:39

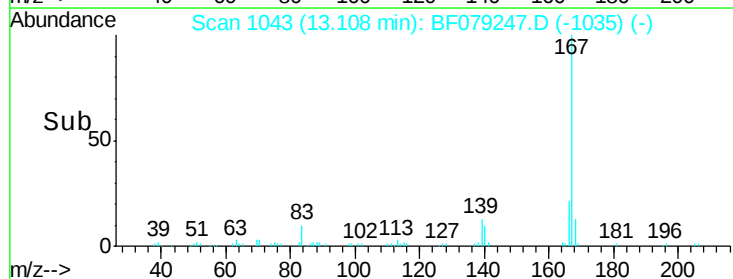
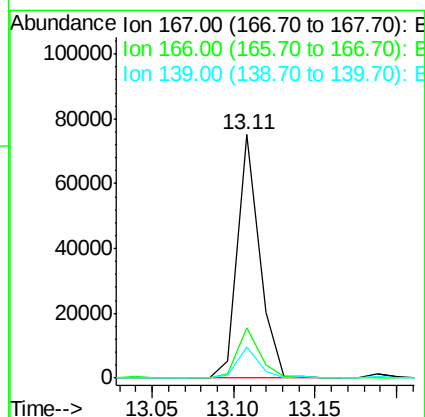
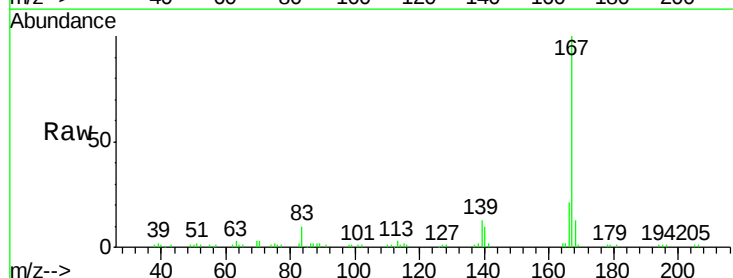
Instrument :
 BNA_F
 ClientSampleId :
 SB-38D

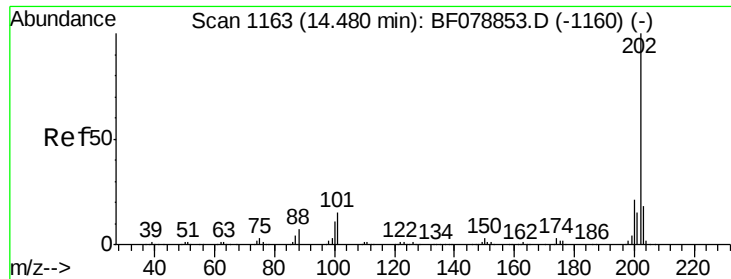
Tgt Ion:178 Resp: 171991
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.5 23.3
 179 14.8 12.7 19.1



#72
 Carbazole
 Concen: 8.14 ng
 RT: 13.11 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: BF079247.D
 Acq: 14 May 2015 22:39

Tgt Ion:167 Resp: 70183
 Ion Ratio Lower Upper
 167 100
 166 20.9 17.8 26.8
 139 13.0 10.6 16.0





#74

Fluoranthene

Concen: 79.11 ng

RT: 14.32 min Scan# 1149

Delta R.T. -0.06 min

Lab File: BF079247.D

Acq: 14 May 2015 22:39

Instrument :

BNA_F

ClientSampled :

SB-38D

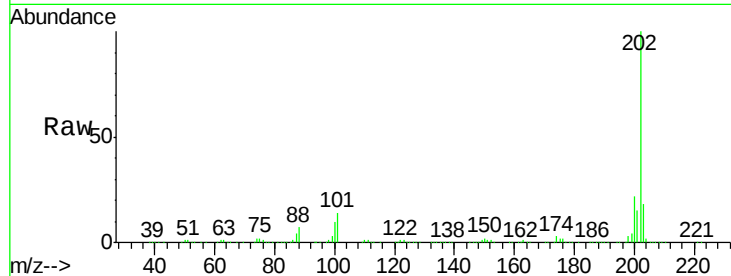
Tgt Ion:202 Resp: 759881

Ion Ratio Lower Upper

202 100

101 14.1 0.0 34.6

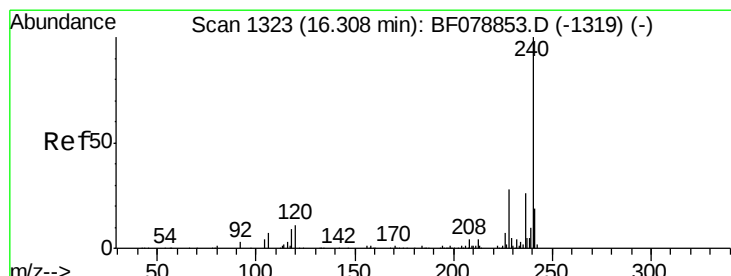
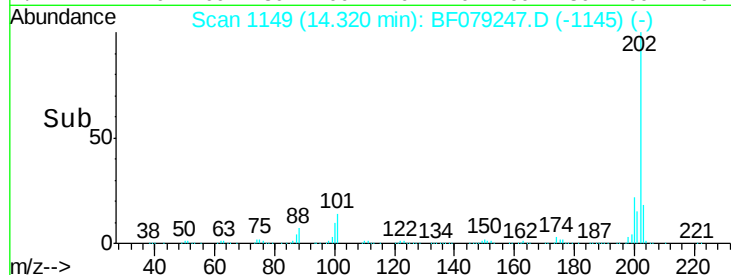
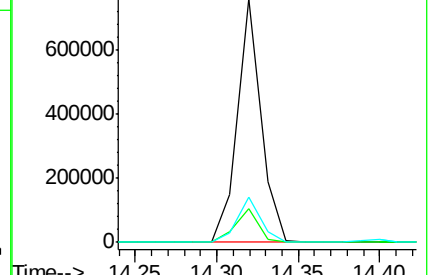
203 18.4 0.0 38.4



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: 16.43 min Scan# 1334

Delta R.T. -0.07 min

Lab File: BF079247.D

Acq: 14 May 2015 22:39

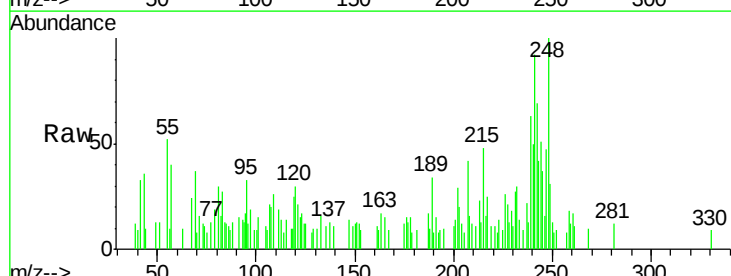
Tgt Ion:240 Resp: 4136

Ion Ratio Lower Upper

240 100

120 58.7 9.7 14.5#

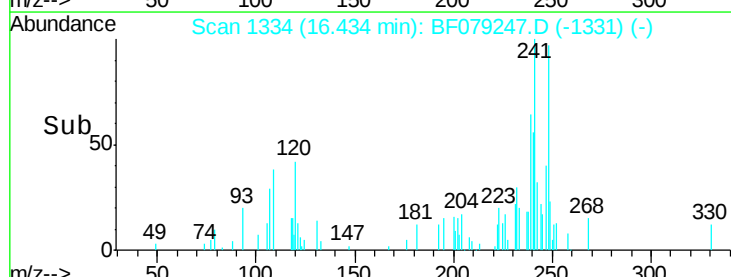
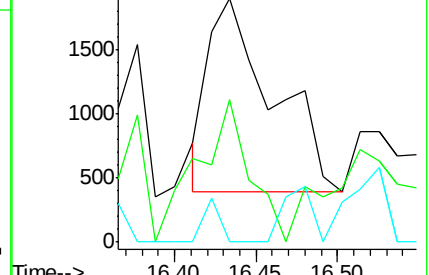
236 0.0 20.2 30.4#

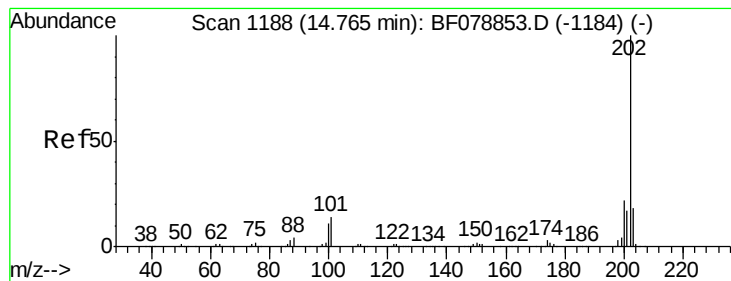


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 3082.45 ng

RT: 14.61 min Scan# 1174

Delta R.T. -0.08 min

Lab File: BF079247.D

Acq: 14 May 2015 22:39

Instrument :

BNA_F

ClientSampleId :

SB-38D

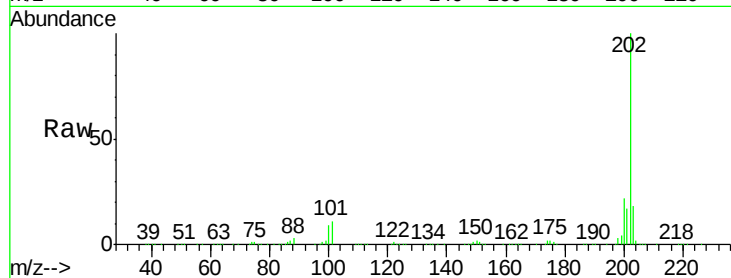
Tgt Ion:202 Resp: 734656

Ion Ratio Lower Upper

202 100

200 21.7 17.5 26.3

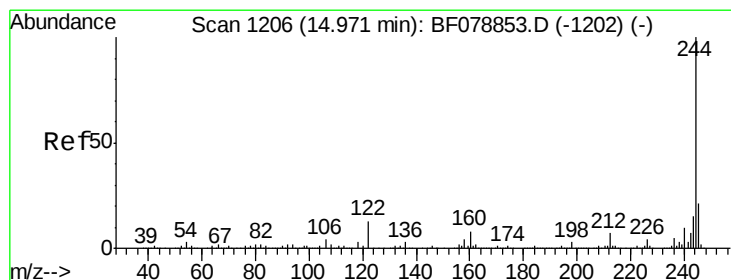
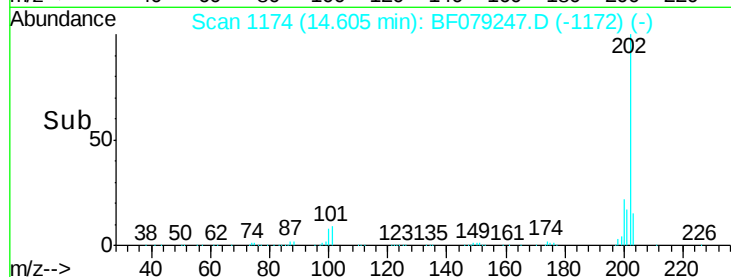
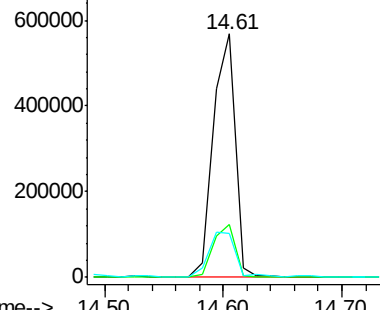
203 17.8 13.9 20.9



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: 1045.93 ng

RT: 14.81 min Scan# 1192

Delta R.T. -0.11 min

Lab File: BF079247.D

Acq: 14 May 2015 22:39

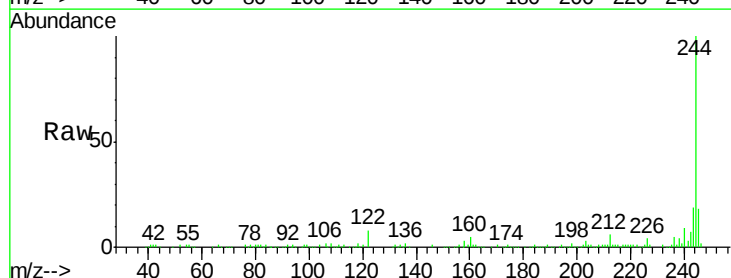
Tgt Ion:244 Resp: 180690

Ion Ratio Lower Upper

244 100

212 5.9 5.6 8.4

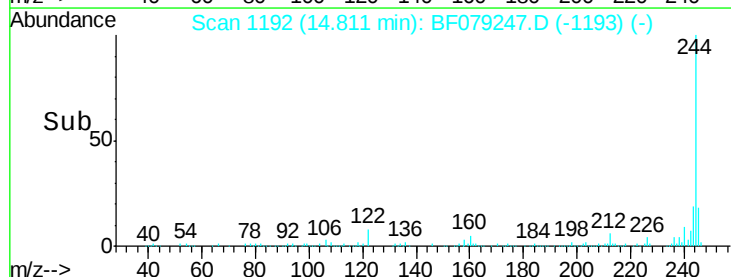
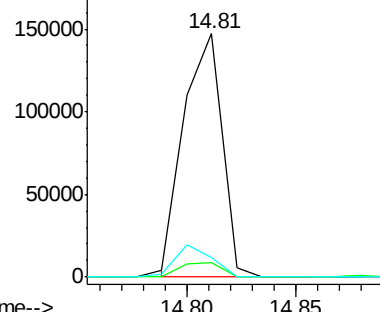
122 7.8 10.3 15.5#

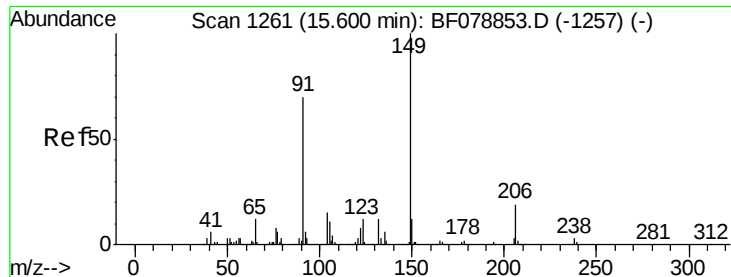


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

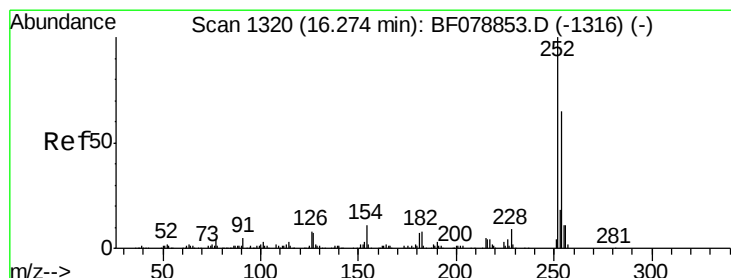
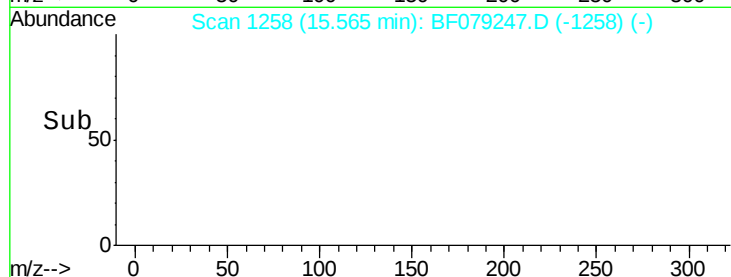
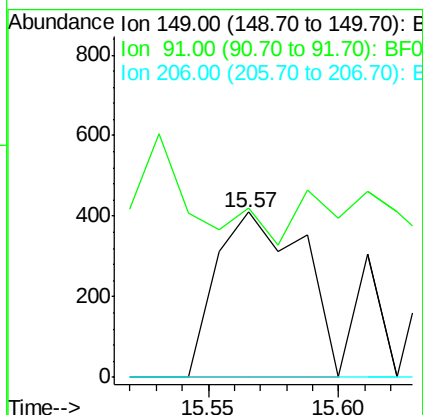
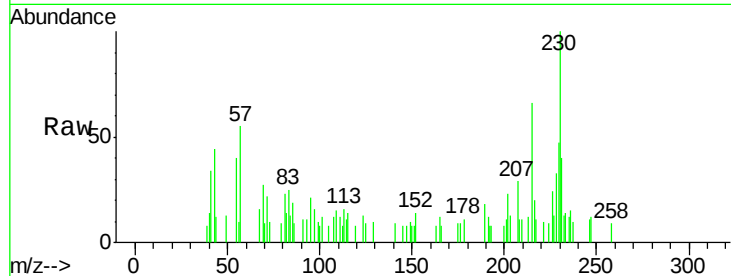




#79
 Butylbenzylphthalate
 Concen: 9.13 ng
 RT: 15.57 min Scan# 1258
 Delta R.T. -0.10 min
 Lab File: BF079247.D
 Acq: 14 May 2015 22:39

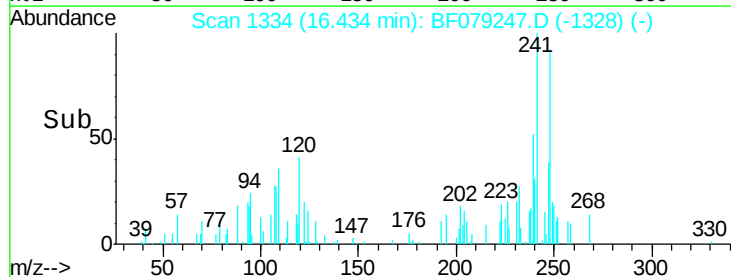
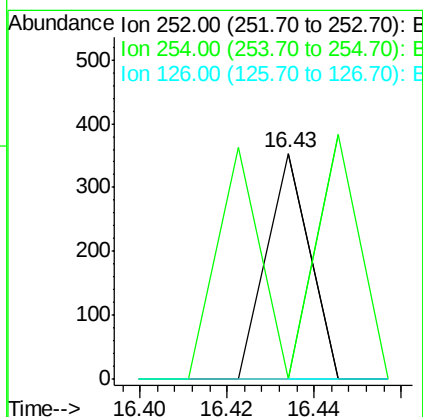
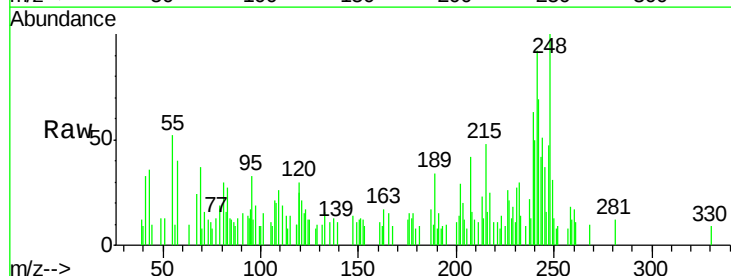
Instrument :
 BNA_F
 ClientSampleId :
 SB-38D

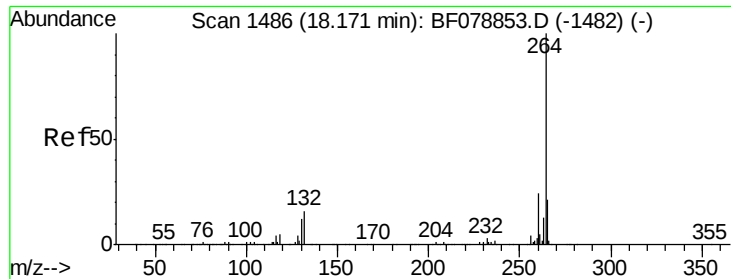
Tgt Ion:	149	Resp:	951
Ion Ratio	Lower	Upper	
149	100		
91	102.4	64.6	97.0#
206	0.0	12.2	18.4#



#81
 3,3'-Dichlorobenzidine
 Concen: 3.01 ng
 RT: 16.43 min Scan# 1334
 Delta R.T. -0.03 min
 Lab File: BF079247.D
 Acq: 14 May 2015 22:39

Tgt Ion:	252	Resp:	243
Ion Ratio	Lower	Upper	
252	100		
254	0.0	51.3	76.9#
126	0.0	6.6	10.0#

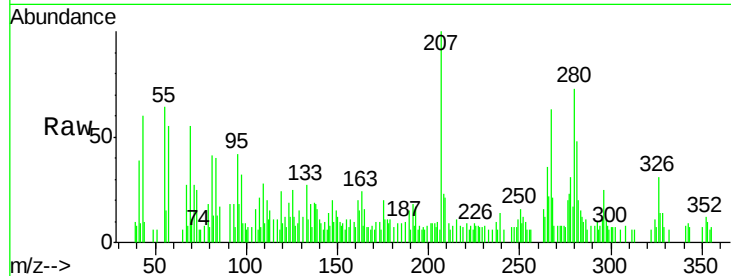




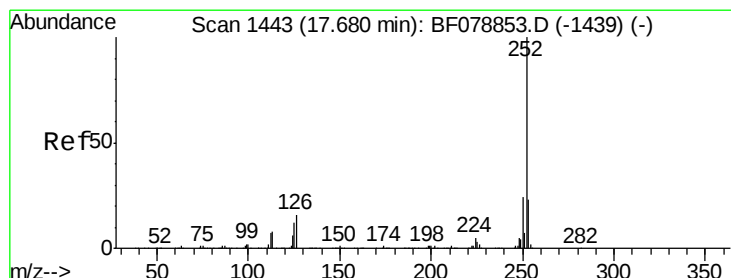
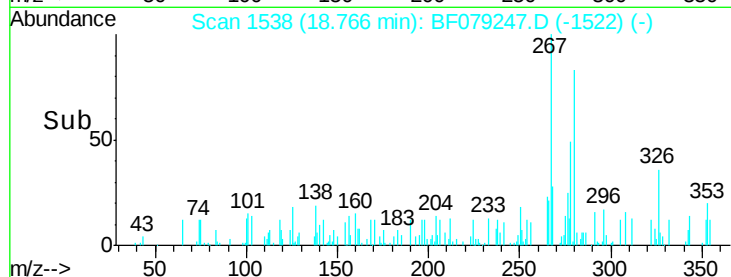
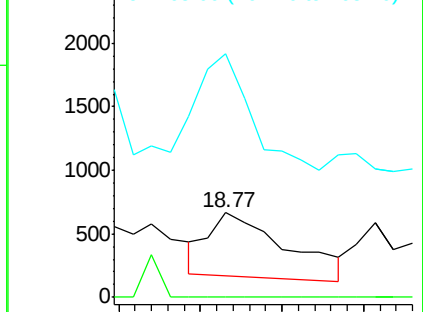
#86
Perylene-d12
Concen: 20.00 ng
RT: 18.77 min Scan# 1538
Delta R.T. -0.11 min
Lab File: BF079247.D
Acq: 14 May 2015 22:39

Instrument :
BNA_F
ClientSampled :
SB-38D

Tgt Ion: 264 Resp: 1641
Ion Ratio Lower Upper
264 100
260 0.0 19.4 29.2#
265 288.3 18.3 27.5#

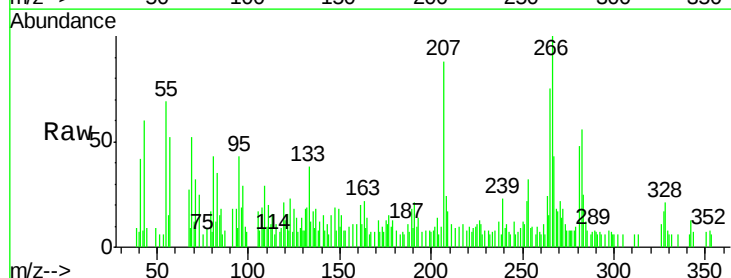


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

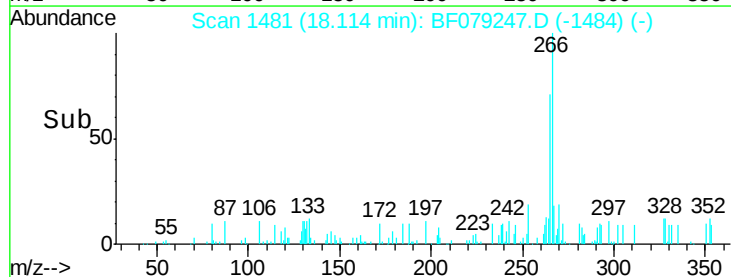
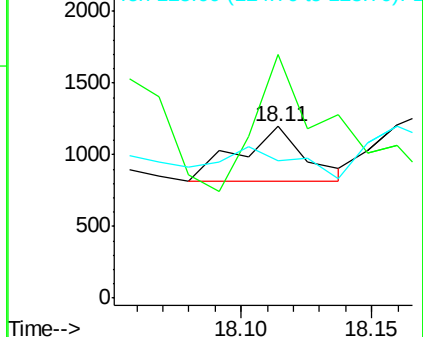


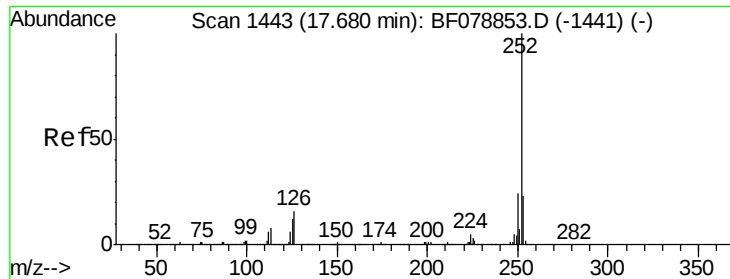
#87
Benzo(b)fluoranthene
Concen: 7.39 ng
RT: 18.11 min Scan# 1481
Delta R.T. -0.14 min
Lab File: BF079247.D
Acq: 14 May 2015 22:39

Tgt Ion: 252 Resp: 664
Ion Ratio Lower Upper
252 100
253 142.1 17.7 26.5#
125 80.2 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: 14.57 ng

RT: 18.18 min Scan# 1487

Delta R.T. -0.11 min

Lab File: BF079247.D

Acq: 14 May 2015 22:39

Instrument :

BNA_F

ClientSampleId :

SB-38D

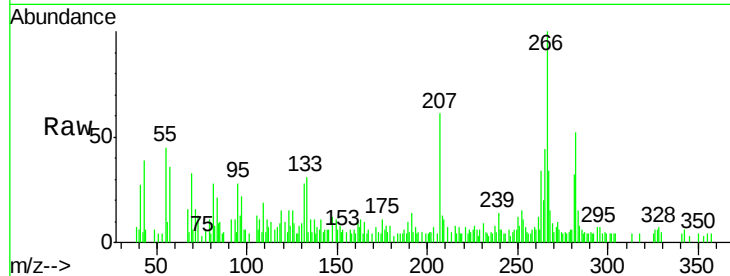
Tgt Ion:252 Resp: 1267

Ion Ratio Lower Upper

252 100

253 71.7 18.1 27.1#

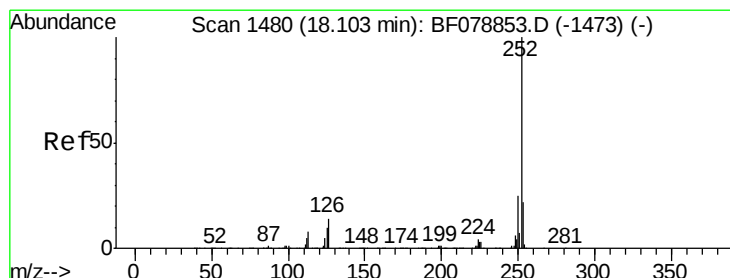
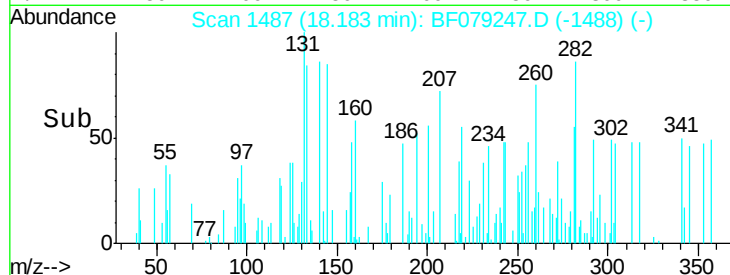
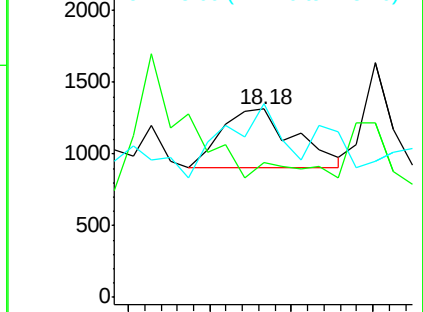
125 103.2 10.0 15.0#



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: 22.82 ng

RT: 18.69 min Scan# 1531

Delta R.T. -0.10 min

Lab File: BF079247.D

Acq: 14 May 2015 22:39

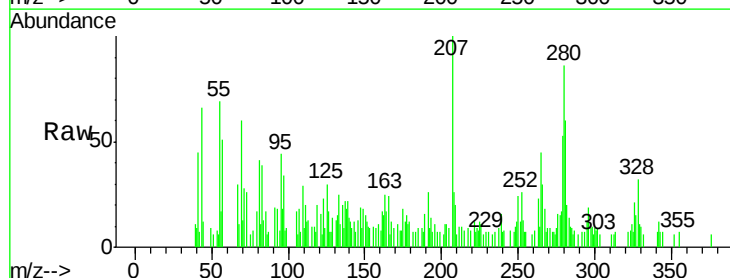
Tgt Ion:252 Resp: 1887

Ion Ratio Lower Upper

252 100

253 51.5 17.3 25.9#

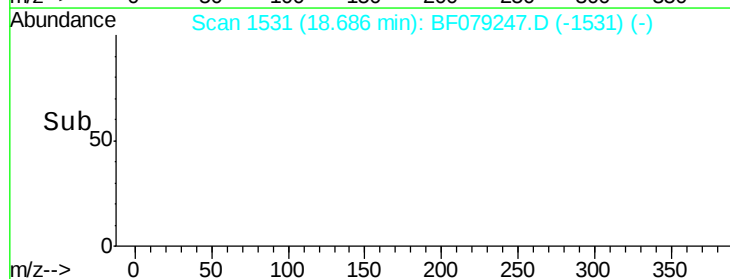
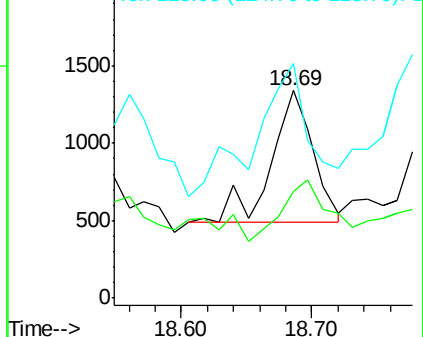
125 113.4 7.0 10.6#

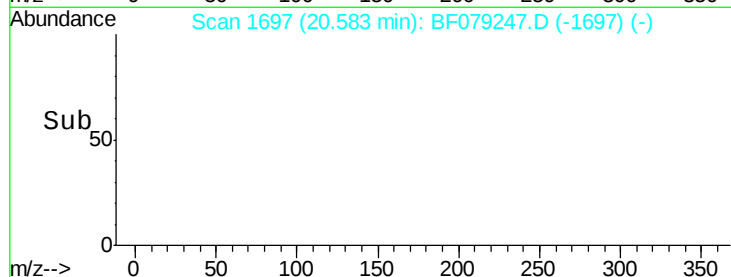
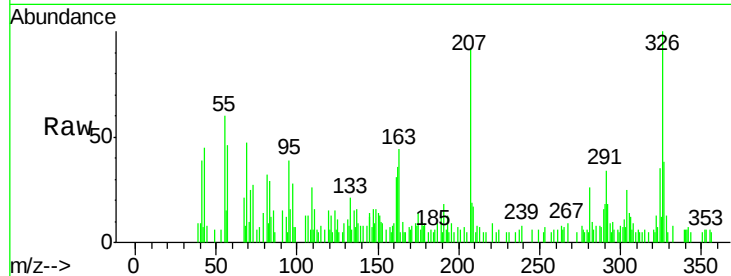
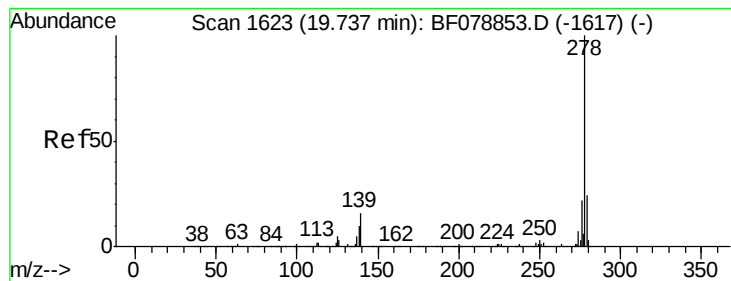


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

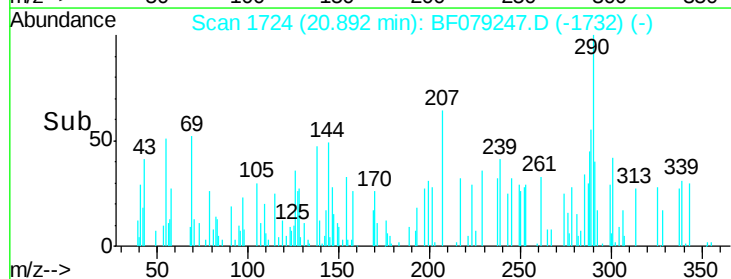
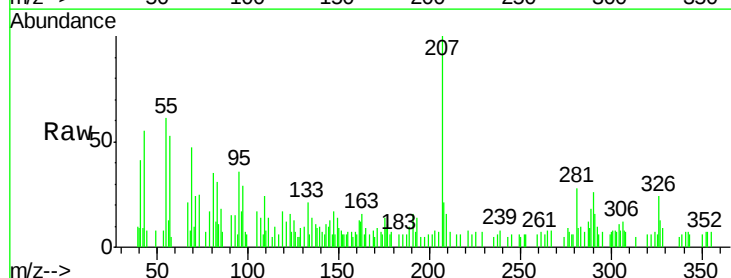
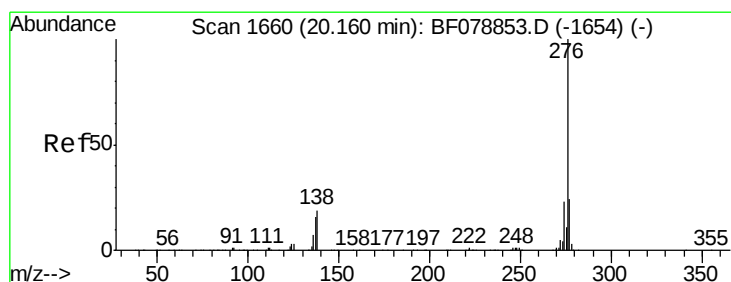
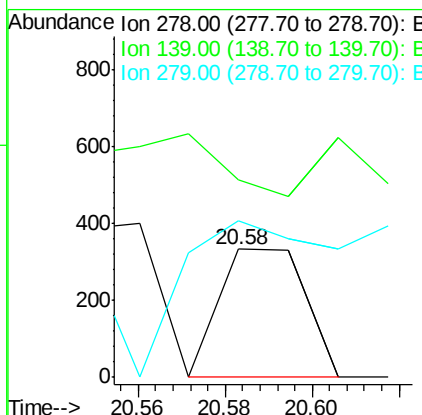




#90
Dibenzo(a,h)anthracene
Concen: 5.18 ng
RT: 20.58 min Scan# 1697
Delta R.T. -0.10 min
Lab File: BF079247.D
Acq: 14 May 2015 22:39

Instrument :
BNA_F
ClientSampleId :
SB-38D

Tgt Ion: 278 Resp: 455
Ion Ratio Lower Upper
278 100
139 154.5 12.8 19.2#
279 122.6 19.6 29.4#



#91
Benzo(g,h,i)perylene
Concen: 21.76 ng
RT: 20.89 min Scan# 1724
Delta R.T. -0.19 min
Lab File: BF079247.D
Acq: 14 May 2015 22:39

Tgt Ion: 276 Resp: 1917
Ion Ratio Lower Upper
276 100
277 80.8 18.6 28.0#
138 109.8 17.4 26.0#

