

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061115\
 Data File : BF079911.D
 Acq On : 12 Jun 2015 00:29
 Operator : TP/IZ
 Sample : G2449-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FM1A

Quant Time: Jun 12 05:19:46 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 12 00:59:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	56367	20.00	ng	0.00
21) Naphthalene-d8	8.68	136	221842	20.00	ng	0.00
38) Acenaphthene-d10	10.46	164	115155	20.00	ng	0.00
63) Phenanthrene-d10	11.96	188	256772	20.00	ng	-0.01
75) Chrysene-d12	14.90	240	281849	20.00	ng	-0.09
86) Perylene-d12	16.79	264	287178	20.00	ng	-0.14

System Monitoring Compounds						
5) 2-Fluorophenol	6.01	112	270345	80.36	ng	0.01
7) Phenol-d6	6.99	99	386914	87.92	ng	0.00
23) Nitrobenzene-d5	7.94	82	188717	50.60	ng	-0.01
41) 2,4,6-Tribromophenol	11.26	330	83888	81.62	ng	0.00
44) 2-Fluorobiphenyl	9.76	172	413066	50.55	ng	0.00
78) Terphenyl-d14	13.65	244	475411	38.33	ng	-0.05

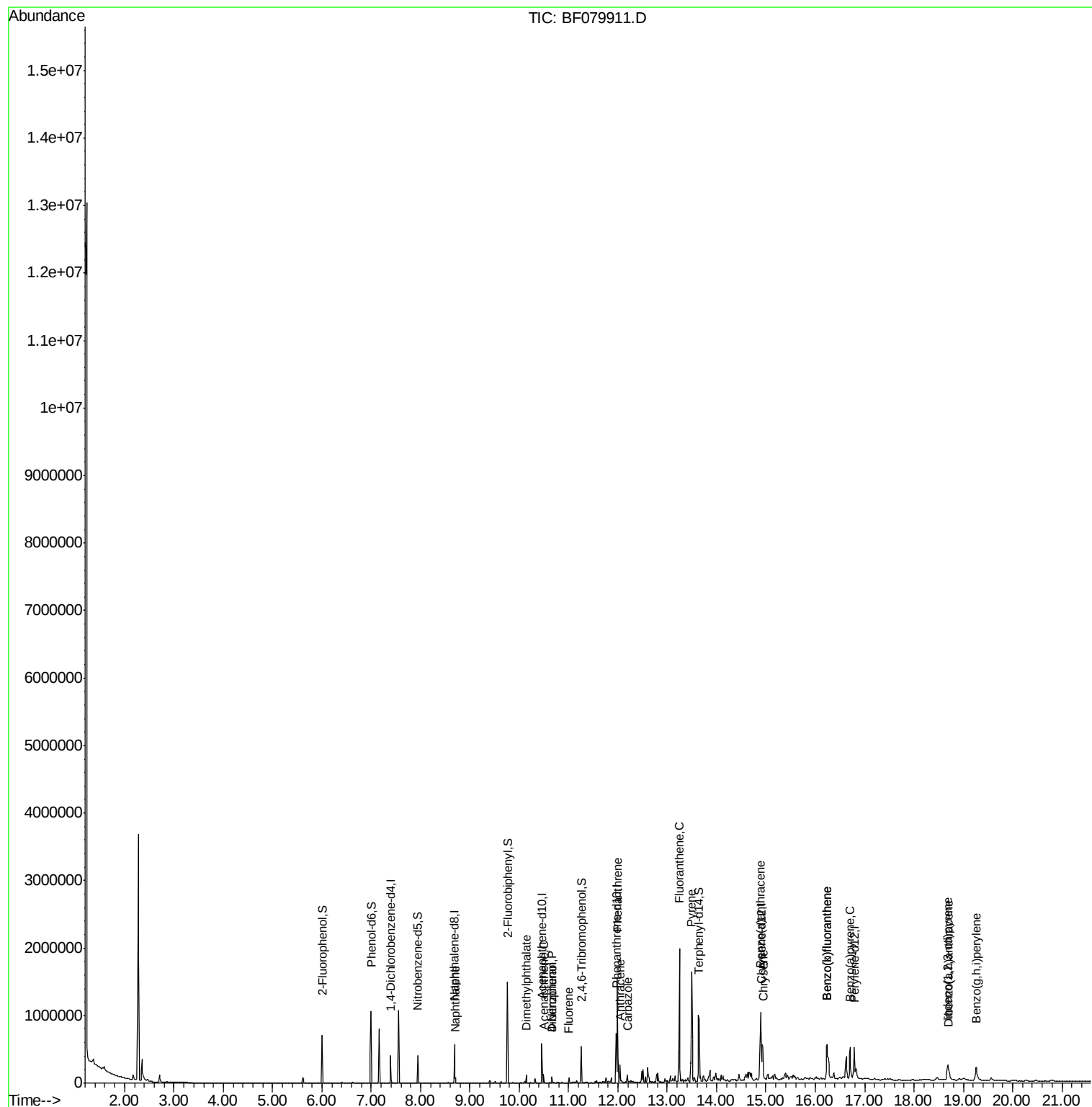
Target Compounds				Qvalue		
31) Naphthalene	8.71	128	35323	2.98	ng	98
49) Dimethylphthalate	10.15	163	44749	4.93	ng	# 99
51) Acenaphthene	10.49	154	26341	3.40	ng	99
54) Dibenzofuran	10.66	168	31716	2.91	ng	97
55) 4-Nitrophenol	10.66	139	11835	8.47	ng	# 1
57) Fluorene	11.00	166	29109	3.00	ng	# 96
70) Phenanthrene	11.99	178	595648	38.43	ng	99
71) Anthracene	12.04	178	124111	8.29	ng	98
72) Carbazole	12.19	167	56140	3.97	ng	99
74) Fluoranthene	13.25	202	813045	49.90	ng	99
77) Pyrene	13.50	202	750617	43.01	ng	99
80) Benzo(a)anthracene	14.89	228	347979	20.79	ng	96
82) Chrysene	14.94	228	291962	18.59	ng	98
85) Indeno(1,2,3-cd)pyrene	18.69	276	227808	13.60	ng	94
87) Benzo(b)fluoranthene	16.24	252	570280	33.40	ng	# 97
88) Benzo(k)fluoranthene	16.24	252	570280	32.09	ng	97
89) Benzo(a)pyrene	16.71	252	314810	19.52	ng	97
90) Dibenzo(a,h)anthracene	18.71	278	64562	4.33	ng	97
91) Benzo(g,h,i)perylene	19.27	276	233705	14.82	ng	97

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

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061115\
Data File : BF079911.D
Acq On : 12 Jun 2015 00:29
Operator : TP/IZ
Sample : G2449-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FM1A

Quant Time: Jun 12 05:19:46 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 12 00:59:58 2015
Response via : Initial Calibration



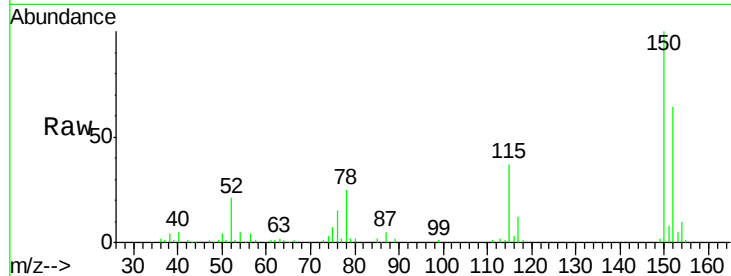


#1

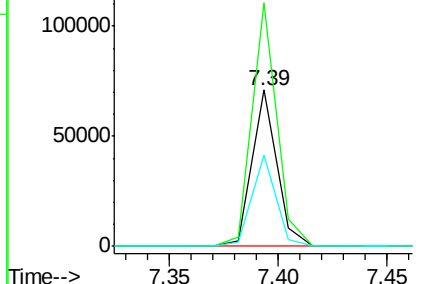
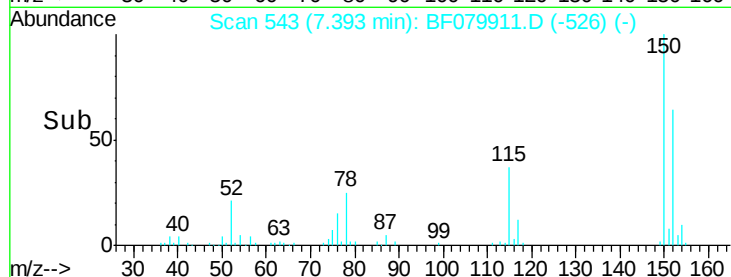
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.39 min Scan# 543
Delta R.T. -0.00 min
Lab File: BF079911.D
Acq: 12 Jun 2015 00:29

Instrument :
BNA_F
ClientSampled :
FM1A

Tgt Ion:152 Resp: 56367
Ion Ratio Lower Upper
152 100
150 155.6 131.0 196.4
115 58.2 49.8 74.6



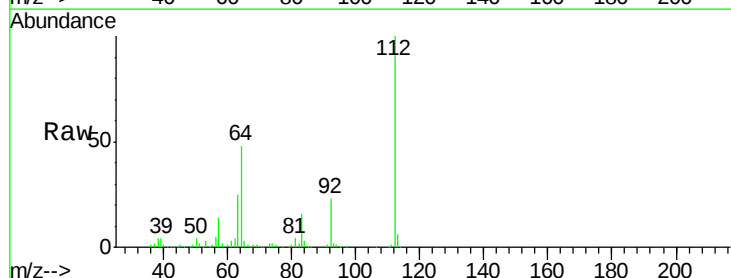
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



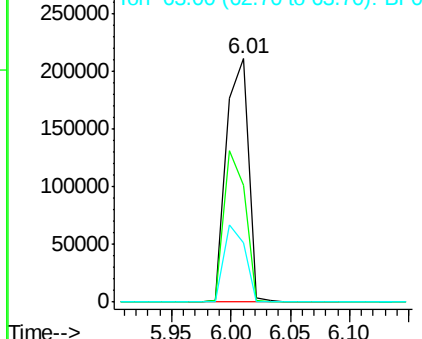
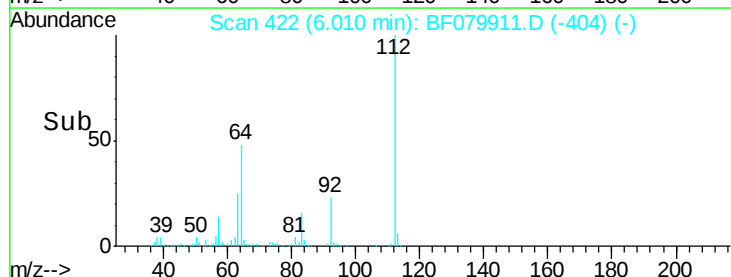
#5

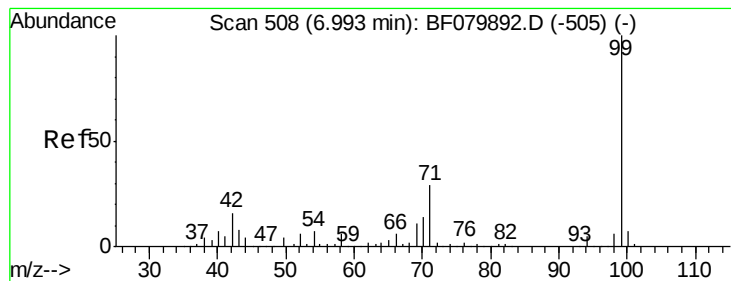
2-Fluorophenol
Concen: 80.36 ng
RT: 6.01 min Scan# 422
Delta R.T. 0.01 min
Lab File: BF079911.D
Acq: 12 Jun 2015 00:29

Tgt Ion:112 Resp: 270345
Ion Ratio Lower Upper
112 100
64 47.9 54.5 81.7#
63 24.6 27.9 41.9#



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: 87.92 ng

RT: 6.99 min Scan# 508

Delta R.T. -0.00 min

Lab File: BF079911.D

Acq: 12 Jun 2015 00:29

Instrument :

BNA_F

ClientSampled :

FM1A

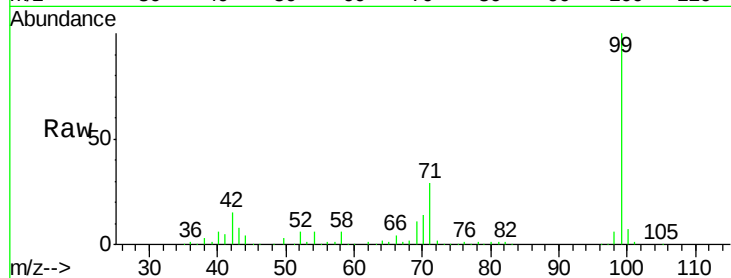
Tgt Ion: 99 Resp: 386914

Ion Ratio Lower Upper

99 100

42 15.2 12.9 19.3

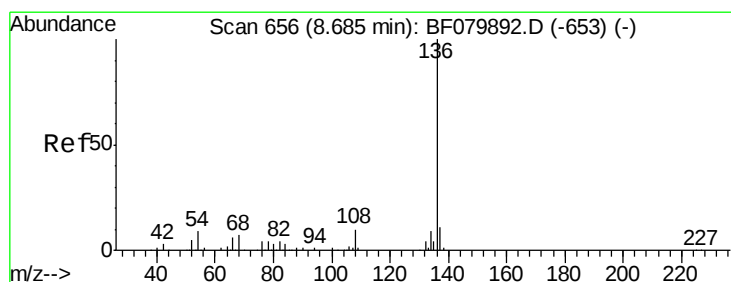
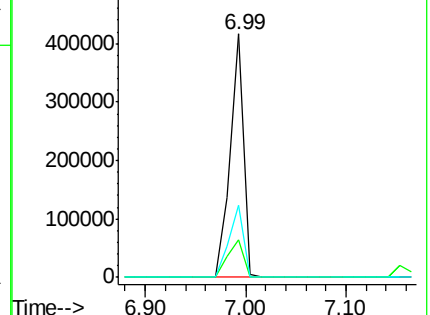
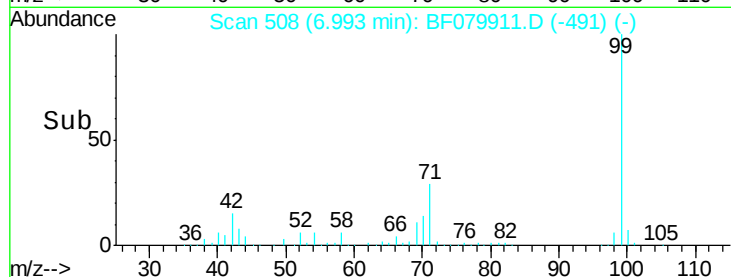
71 29.4 23.4 35.2



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.68 min Scan# 656

Delta R.T. -0.00 min

Lab File: BF079911.D

Acq: 12 Jun 2015 00:29

Tgt Ion: 136 Resp: 221842

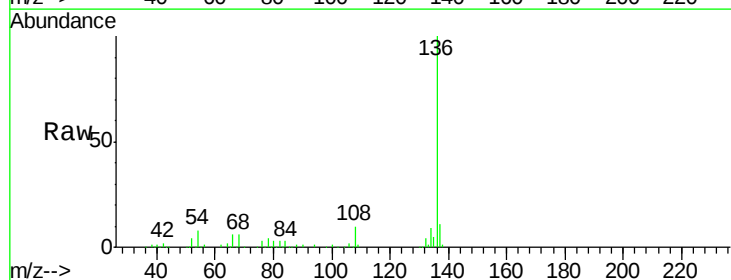
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 8.5 7.3 10.9

68 6.3 5.9 8.9

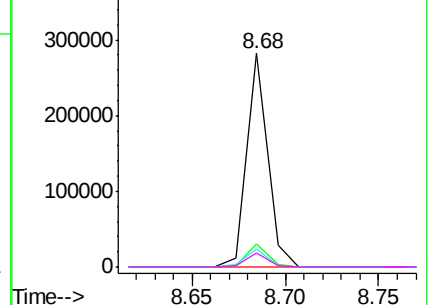
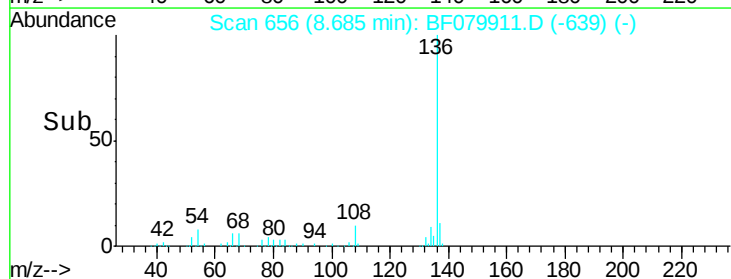


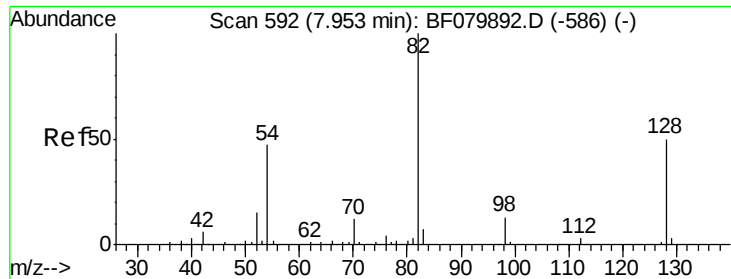
Abundance Ion 136.00 (135.70 to 136.70): E

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

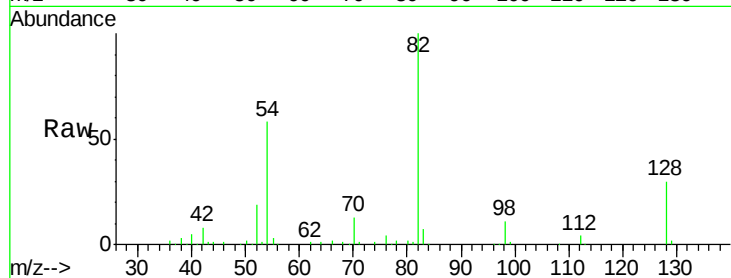




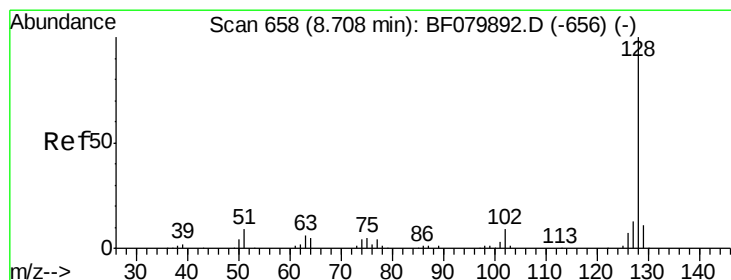
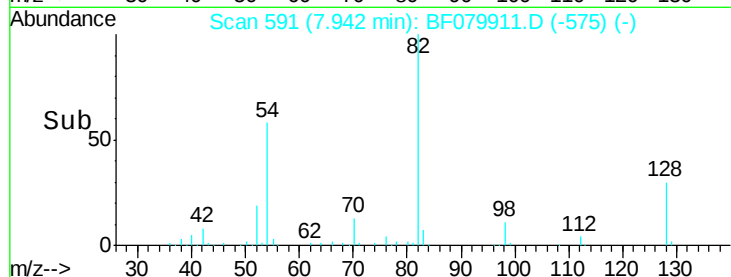
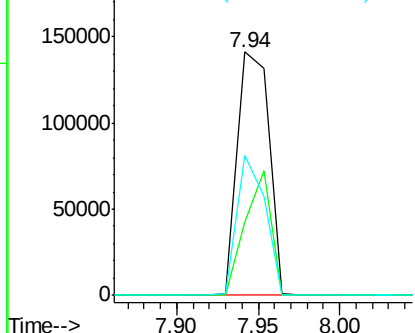
#23
 Nitrobenzene-d5
 Concen: 50.60 ng
 RT: 7.94 min Scan# 591
 Delta R.T. -0.01 min
 Lab File: BF079911.D
 Acq: 12 Jun 2015 00:29

Instrument :
 BNA_F
 ClientSampled :
 FM1A

Tgt Ion: 82 Resp: 188717
 Ion Ratio Lower Upper
 82 100
 128 30.4 40.3 60.5#
 54 57.6 38.0 57.0#

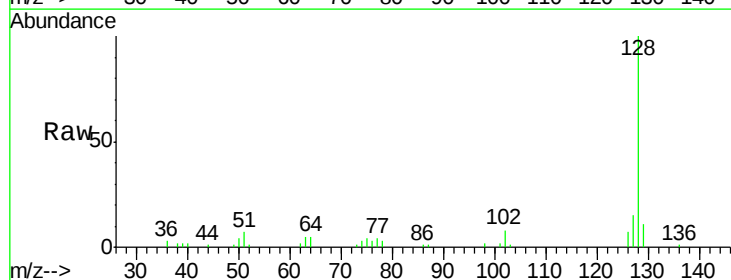


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

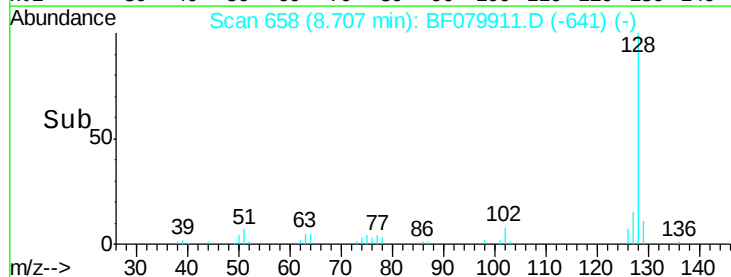
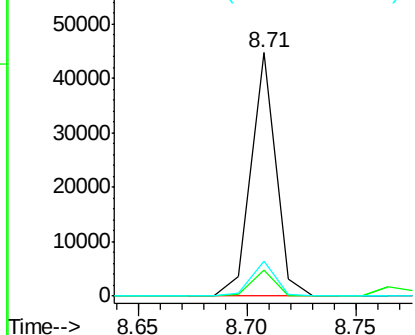


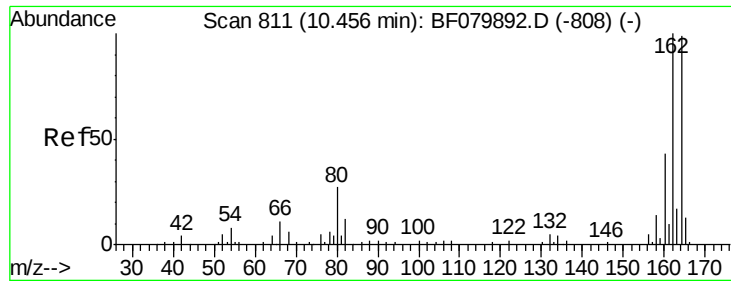
#31
 Naphthalene
 Concen: 2.98 ng
 RT: 8.71 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: BF079911.D
 Acq: 12 Jun 2015 00:29

Tgt Ion: 128 Resp: 35323
 Ion Ratio Lower Upper
 128 100
 129 10.8 8.8 13.2
 127 14.6 10.5 15.7



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

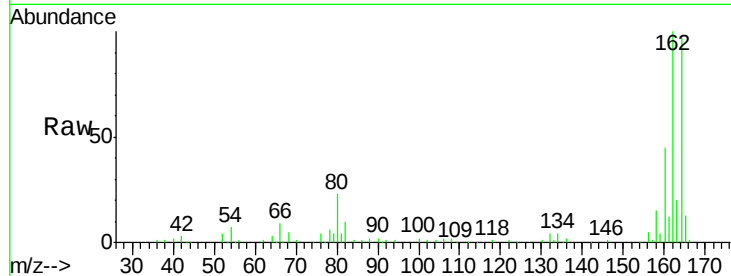




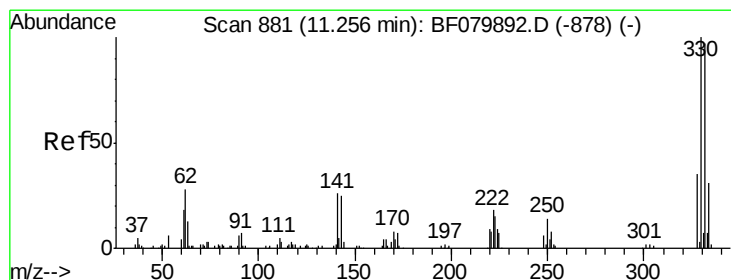
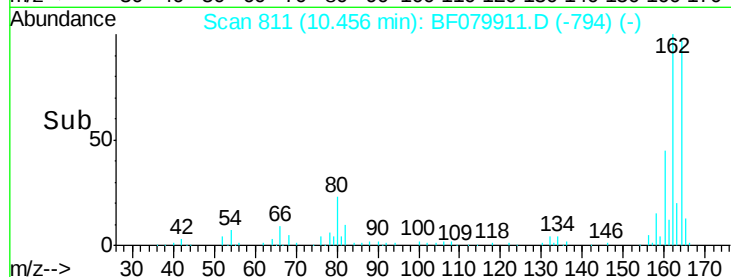
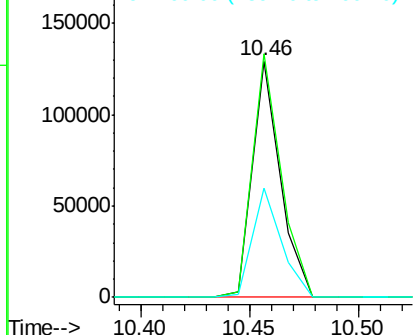
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.46 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: BF079911.D
 Acq: 12 Jun 2015 00:29

Instrument :
 BNA_F
 ClientSampleId :
 FM1A

Tgt Ion:164 Resp: 115155
 Ion Ratio Lower Upper
 164 100
 162 103.1 80.7 121.1
 160 46.0 34.6 51.8

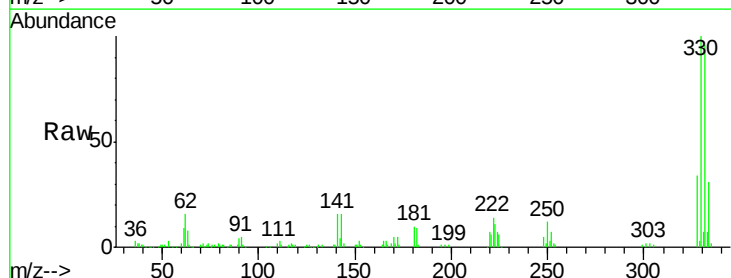


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

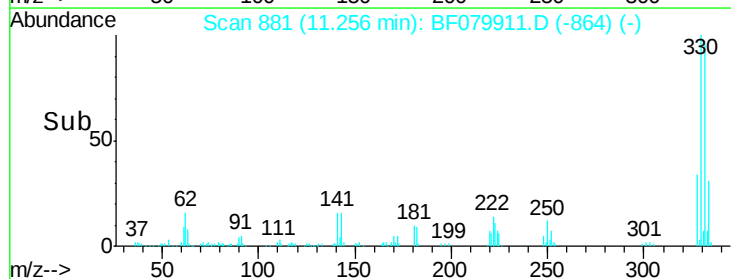
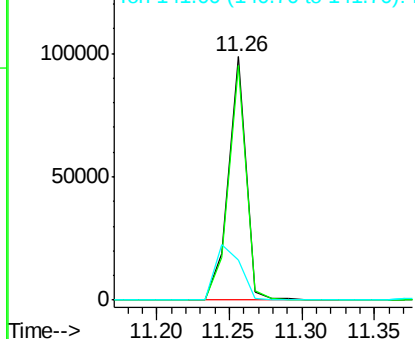


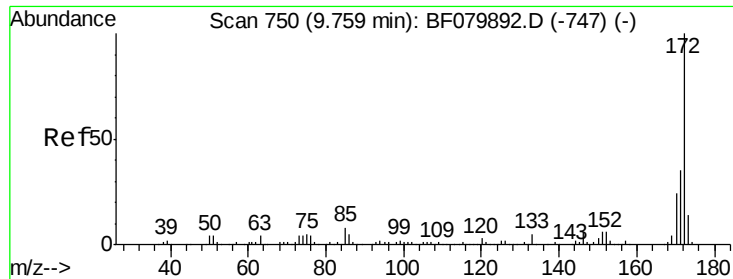
#41
 2,4,6-Tribromophenol
 Concen: 81.62 ng
 RT: 11.26 min Scan# 881
 Delta R.T. -0.00 min
 Lab File: BF079911.D
 Acq: 12 Jun 2015 00:29

Tgt Ion:330 Resp: 83888
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.3 115.9
 141 32.3 26.8 40.2



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

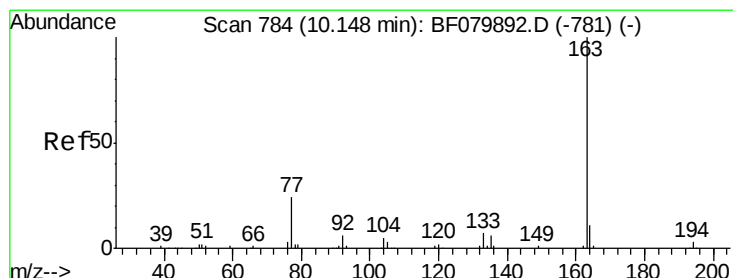
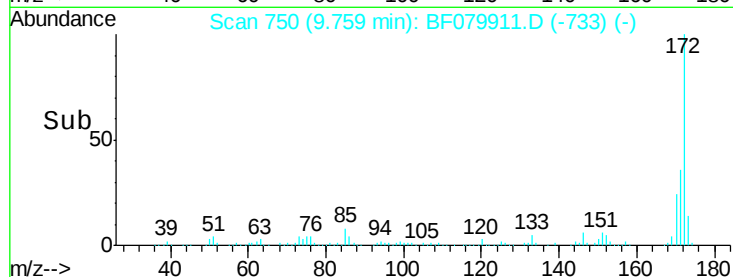
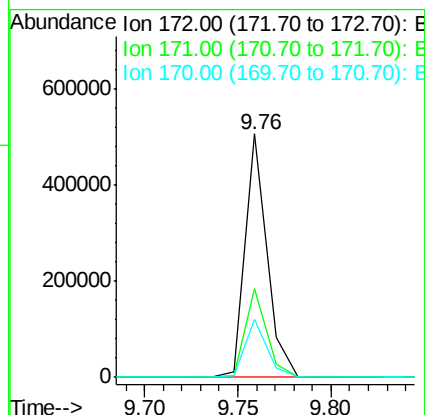
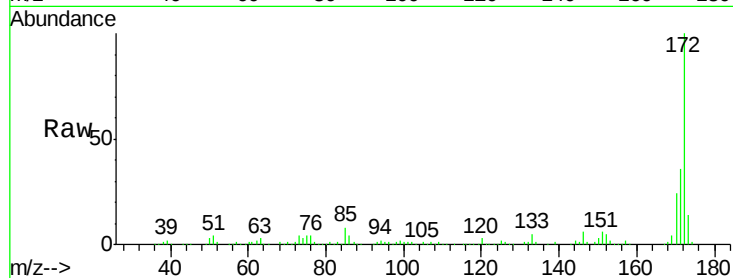




#44
2-Fluorobiphenyl
Concen: 50.55 ng
RT: 9.76 min Scan# 750
Delta R.T. -0.00 min
Lab File: BF079911.D
Acq: 12 Jun 2015 00:29

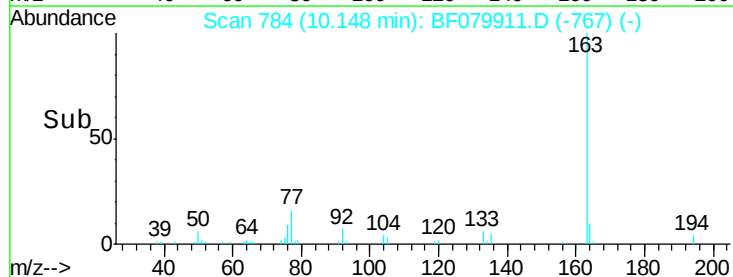
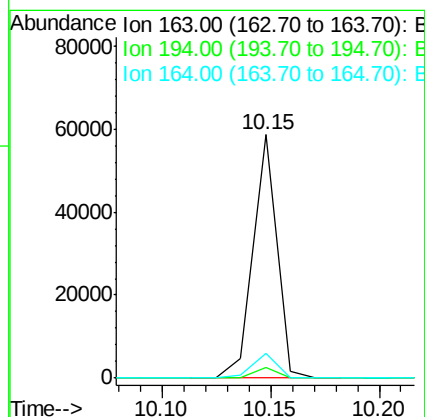
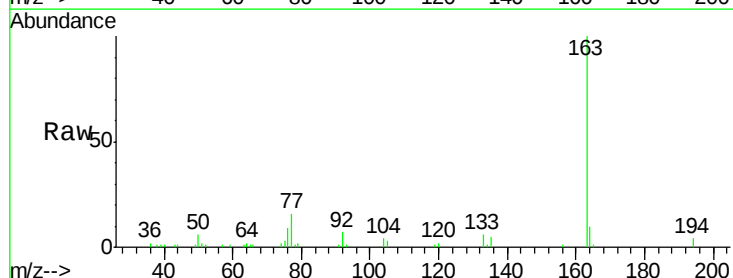
Instrument :
BNA_F
ClientSampleId :
FM1A

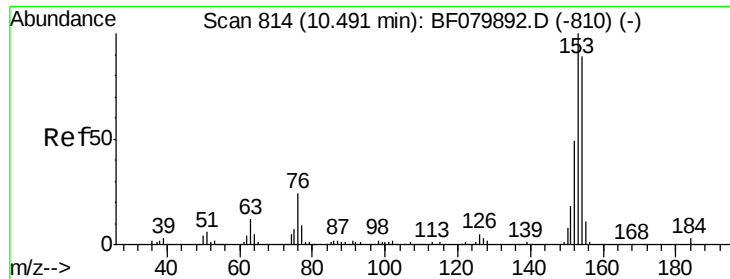
Tgt Ion:172 Resp: 413066
Ion Ratio Lower Upper
172 100
171 36.2 28.3 42.5
170 23.9 19.0 28.4



#49
Dimethylphthalate
Concen: 4.93 ng
RT: 10.15 min Scan# 784
Delta R.T. -0.00 min
Lab File: BF079911.D
Acq: 12 Jun 2015 00:29

Tgt Ion:163 Resp: 44749
Ion Ratio Lower Upper
163 100
194 4.2 2.6 4.0#
164 10.4 8.6 12.8





#51

Acenaphthene

Concen: 3.40 ng

RT: 10.49 min Scan# 814

Delta R.T. -0.00 min

Lab File: BF079911.D

Acq: 12 Jun 2015 00:29

Instrument :

BNA_F

ClientSampleId :

FM1A

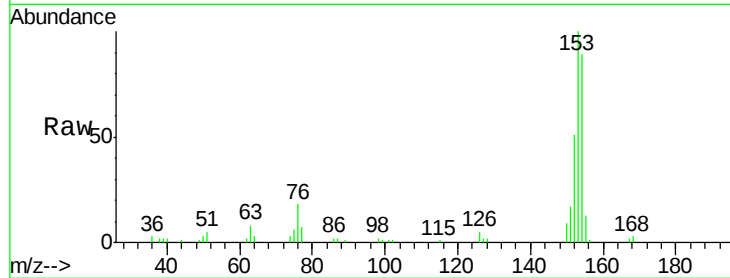
Tgt Ion:154 Resp: 26341

Ion Ratio Lower Upper

154 100

153 112.5 90.0 135.0

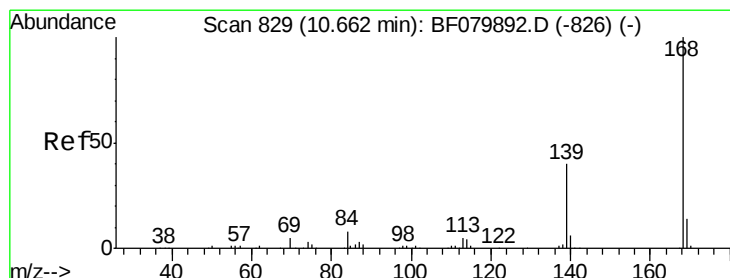
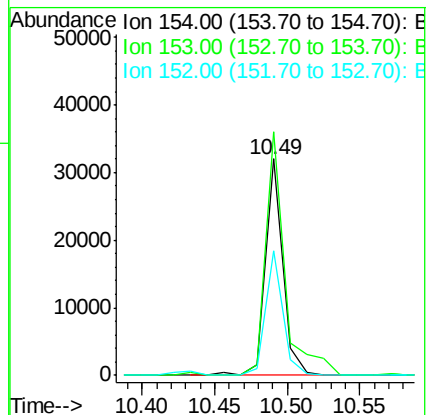
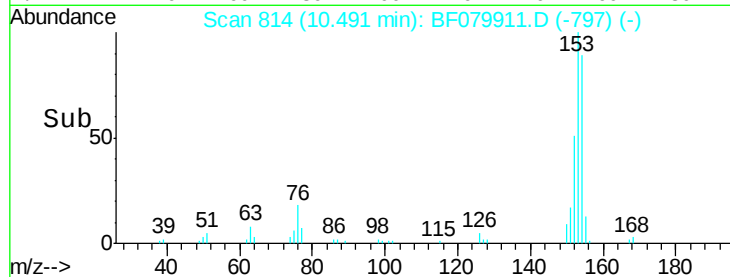
152 57.6 43.7 65.5



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

Dibenzofuran

Concen: 2.91 ng

RT: 10.66 min Scan# 829

Delta R.T. -0.00 min

Lab File: BF079911.D

Acq: 12 Jun 2015 00:29

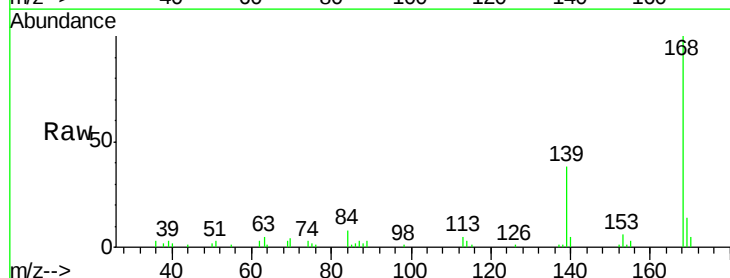
Tgt Ion:168 Resp: 31716

Ion Ratio Lower Upper

168 100

139 38.1 32.2 48.2

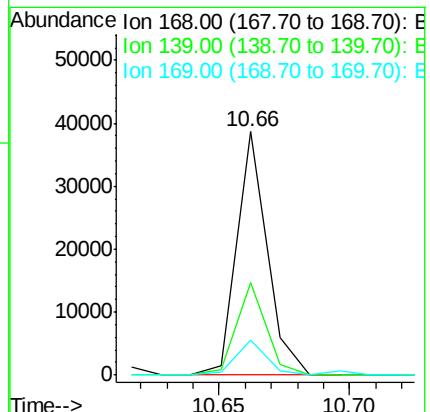
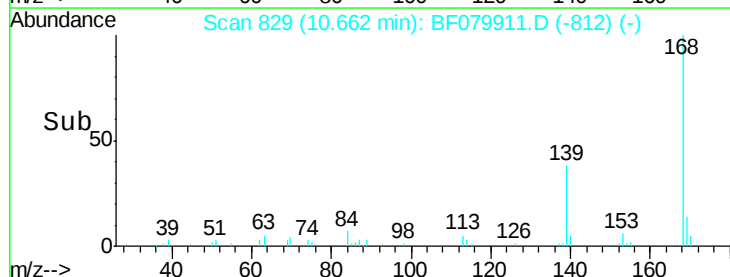
169 14.4 11.0 16.6

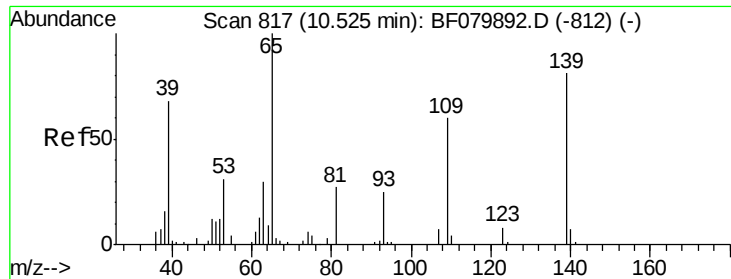


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

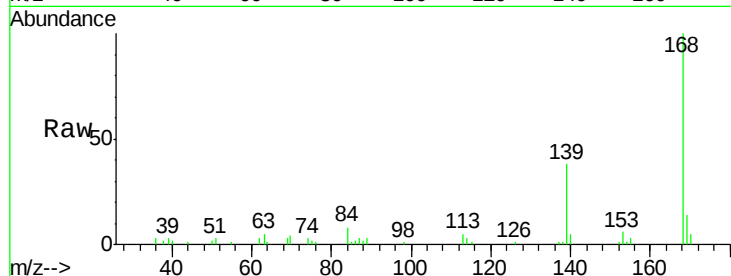




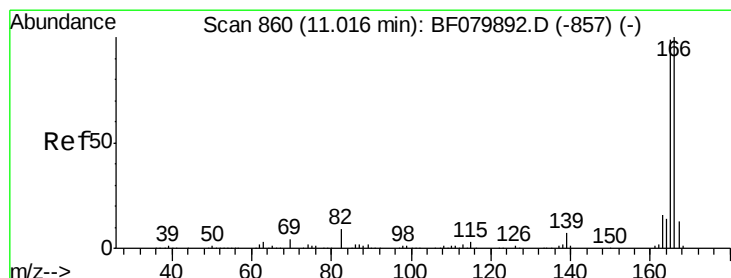
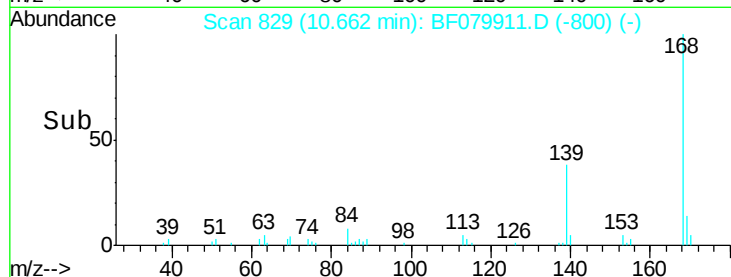
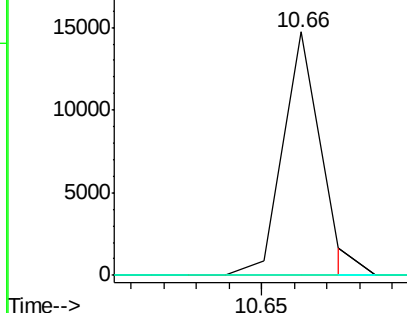
#55
4-Nitrophenol
Concen: 8.47 ng
RT: 10.66 min Scan# 829
Delta R.T. 0.14 min
Lab File: BF079911.D
Acq: 12 Jun 2015 00:29

Instrument :
BNA_F
ClientSampleId :
FM1A

Tgt Ion:139 Resp: 11835
Ion Ratio Lower Upper
139 100
109 0.0 54.8 94.8#
65 0.0 104.8 144.8#

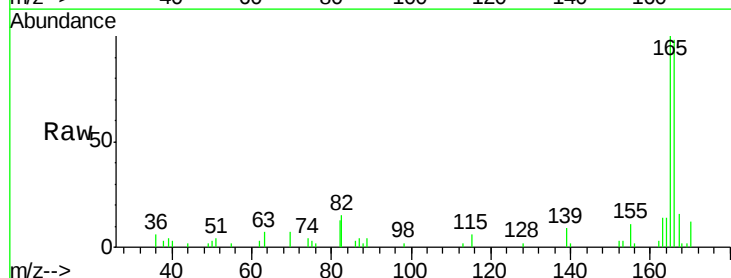


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

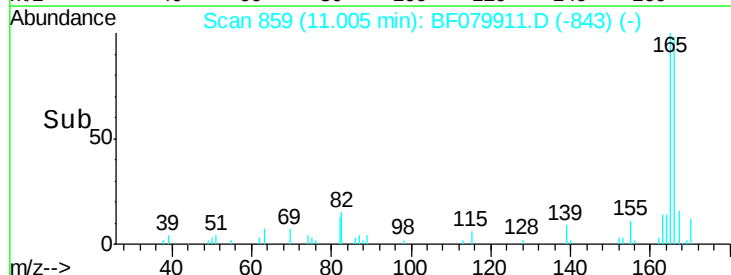
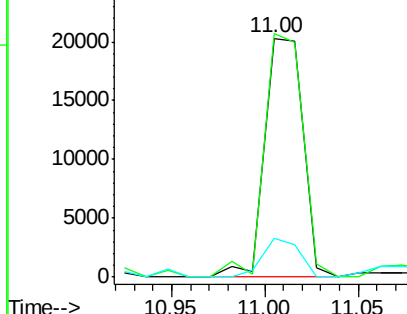


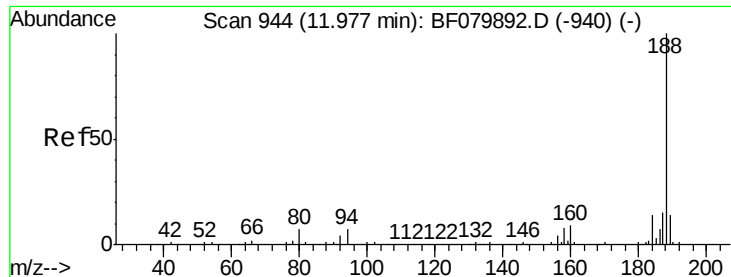
#57
Fluorene
Concen: 3.00 ng
RT: 11.00 min Scan# 859
Delta R.T. -0.01 min
Lab File: BF079911.D
Acq: 12 Jun 2015 00:29

Tgt Ion:166 Resp: 29109
Ion Ratio Lower Upper
166 100
165 101.9 79.0 118.6
167 16.5 10.3 15.5#



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

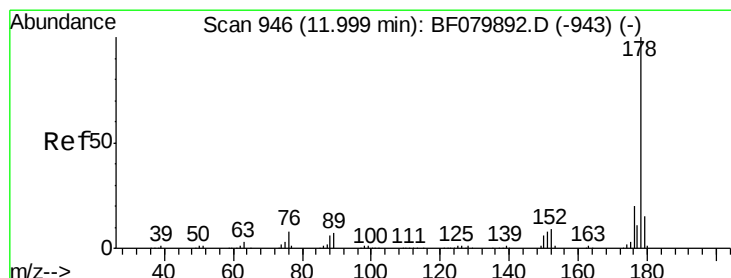
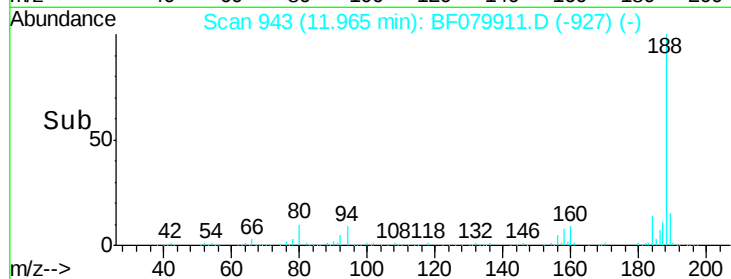
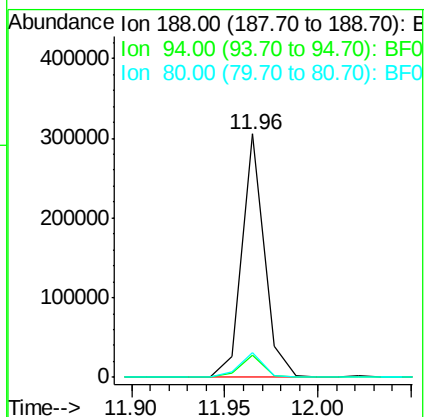
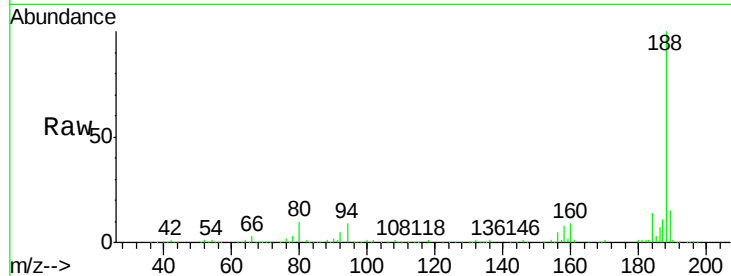




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.96 min Scan# 943
Delta R.T. -0.01 min
Lab File: BF079911.D
Acq: 12 Jun 2015 00:29

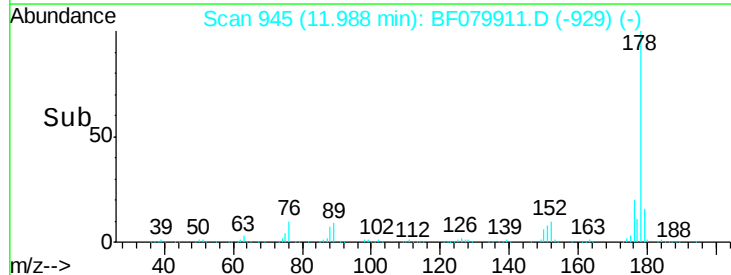
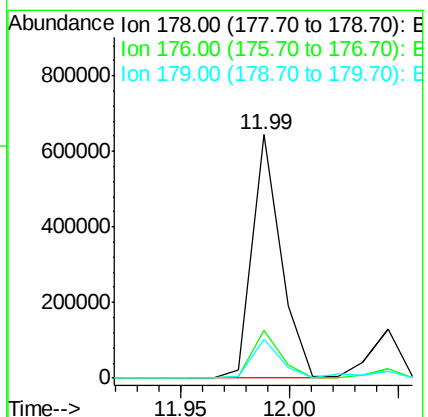
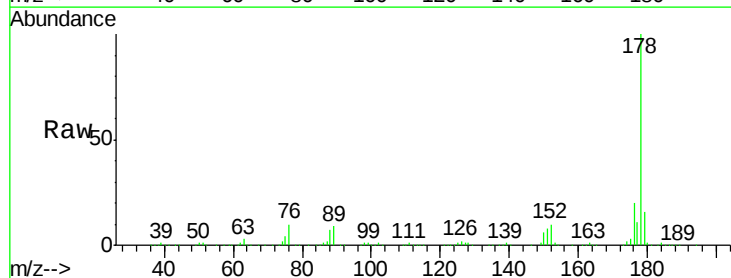
Instrument :
BNA_F
ClientSampleId :
FM1A

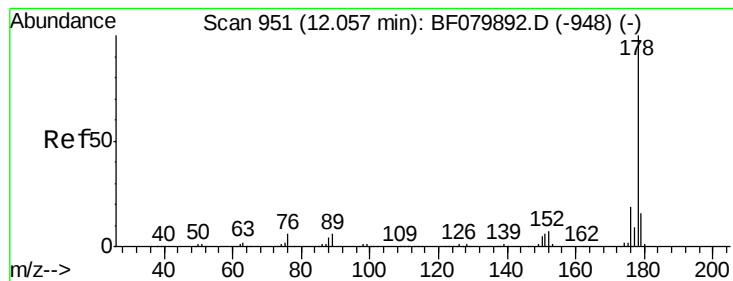
Tgt Ion:188 Resp: 256772
Ion Ratio Lower Upper
188 100
94 9.0 5.8 8.8#
80 10.0 5.9 8.9#



#70
Phenanthrene
Concen: 38.43 ng
RT: 11.99 min Scan# 945
Delta R.T. -0.01 min
Lab File: BF079911.D
Acq: 12 Jun 2015 00:29

Tgt Ion:178 Resp: 595648
Ion Ratio Lower Upper
178 100
176 19.6 15.9 23.9
179 16.1 12.3 18.5





#71

Anthracene

Concen: 8.29 ng

RT: 12.04 min Scan# 950

Delta R.T. -0.01 min

Lab File: BF079911.D

Acq: 12 Jun 2015 00:29

Instrument :

BNA_F

ClientSampleId :

FM1A

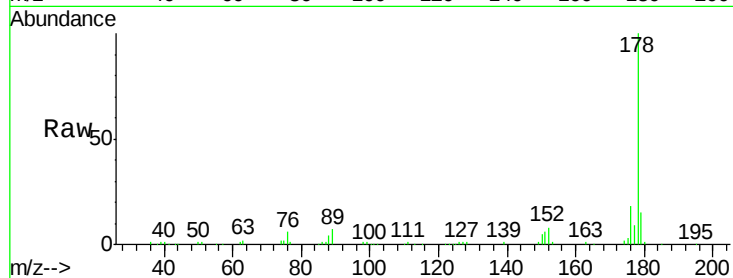
Tgt Ion:178 Resp: 124111

Ion Ratio Lower Upper

178 100

176 18.0 15.2 22.8

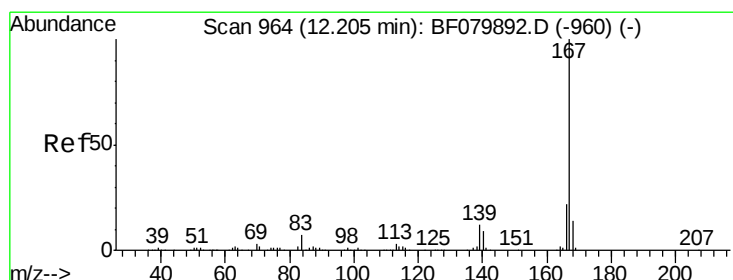
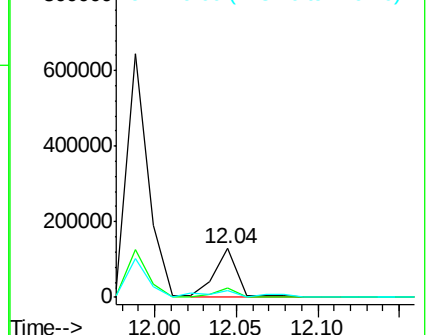
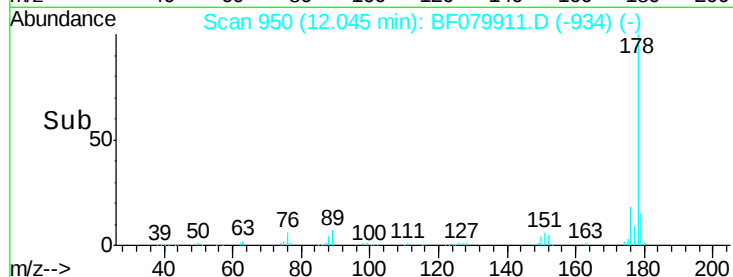
179 14.6 12.5 18.7



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



#72

Carbazole

Concen: 3.97 ng

RT: 12.19 min Scan# 963

Delta R.T. -0.01 min

Lab File: BF079911.D

Acq: 12 Jun 2015 00:29

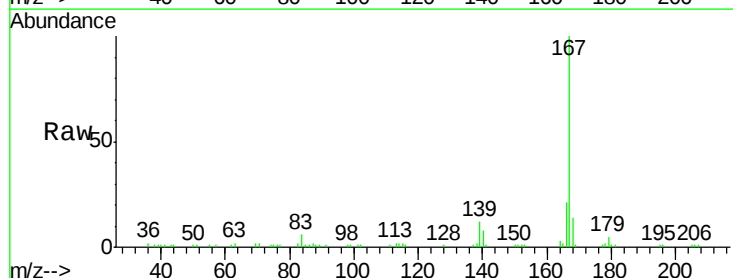
Tgt Ion:167 Resp: 56140

Ion Ratio Lower Upper

167 100

166 21.4 17.4 26.2

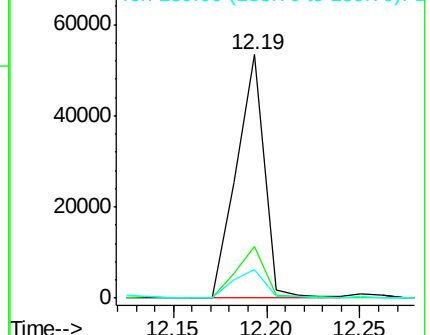
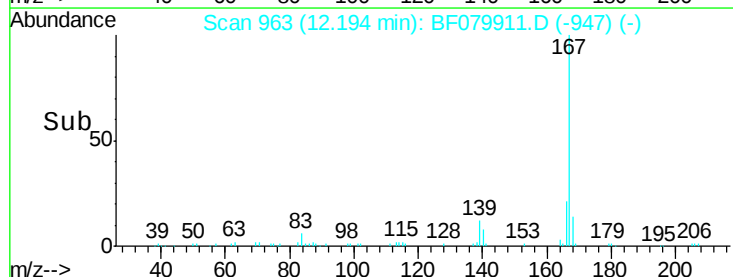
139 11.7 9.5 14.3

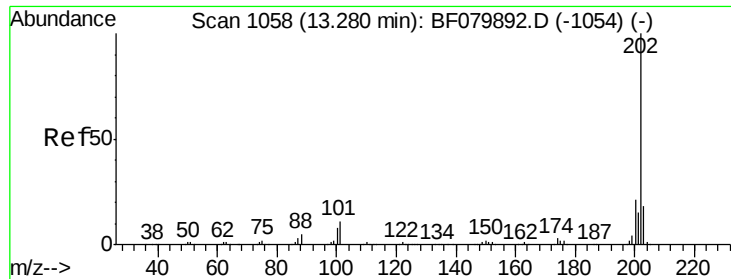


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 49.90 ng

RT: 13.25 min Scan# 1055

Delta R.T. -0.03 min

Lab File: BF079911.D

Acq: 12 Jun 2015 00:29

Instrument :

BNA_F

ClientSampled :

FM1A

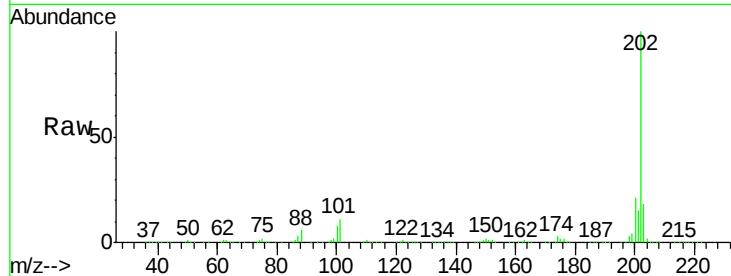
Tgt Ion: 202 Resp: 813045

Ion Ratio Lower Upper

202 100

101 11.1 0.0 30.7

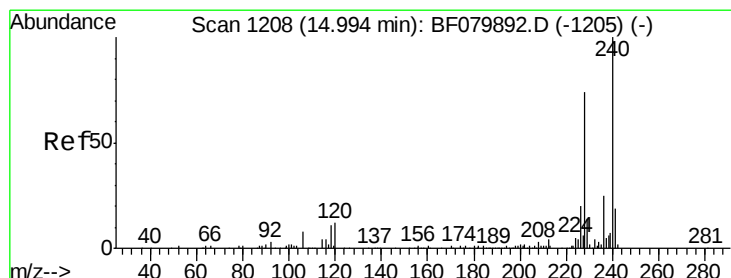
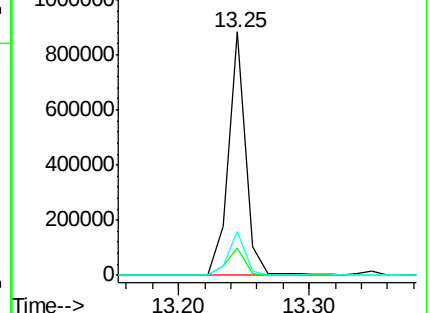
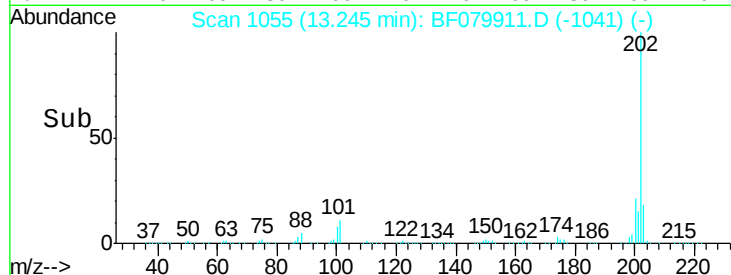
203 18.2 0.0 38.0



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: 14.90 min Scan# 1200

Delta R.T. -0.09 min

Lab File: BF079911.D

Acq: 12 Jun 2015 00:29

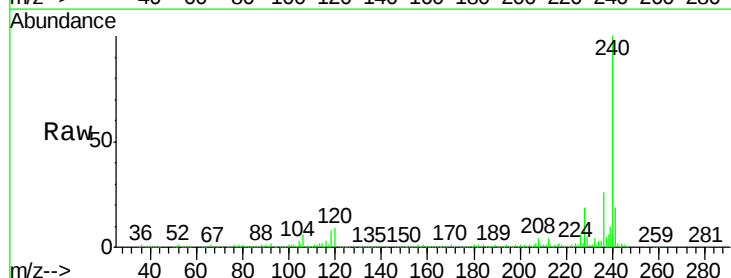
Tgt Ion: 240 Resp: 281849

Ion Ratio Lower Upper

240 100

120 9.0 9.4 14.2#

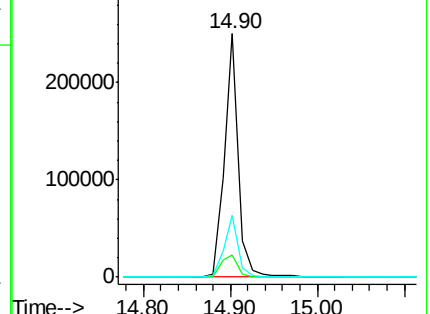
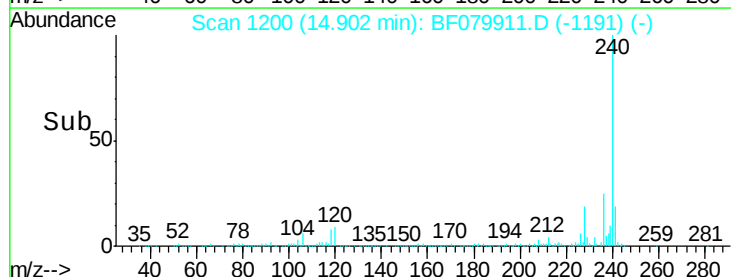
236 25.6 19.6 29.4

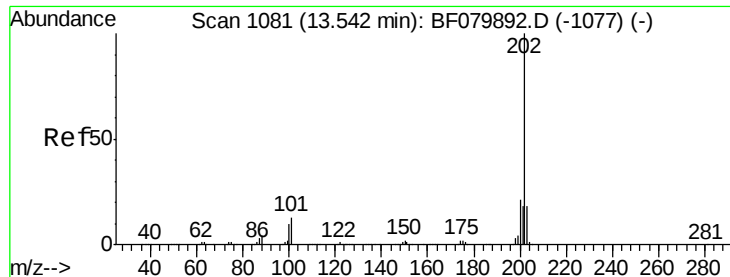


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 43.01 ng

RT: 13.50 min Scan# 1077

Delta R.T. -0.05 min

Lab File: BF079911.D

Acq: 12 Jun 2015 00:29

Instrument :

BNA_F

ClientSampleId :

FM1A

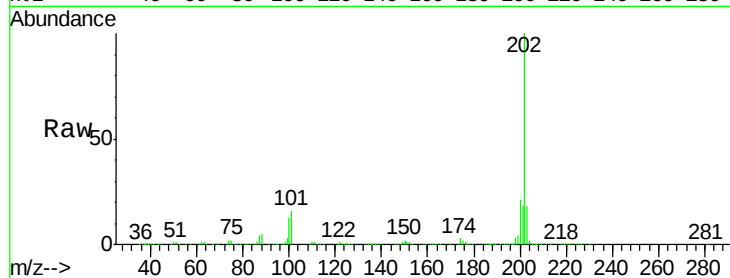
Tgt Ion:202 Resp: 750617

Ion Ratio Lower Upper

202 100

200 21.5 16.8 25.2

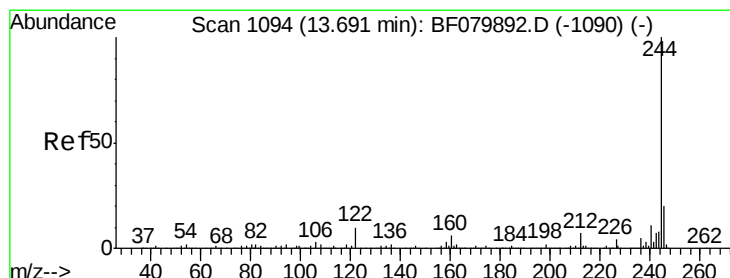
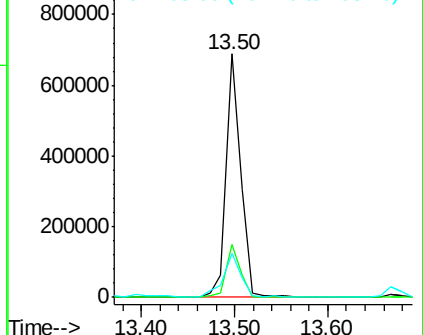
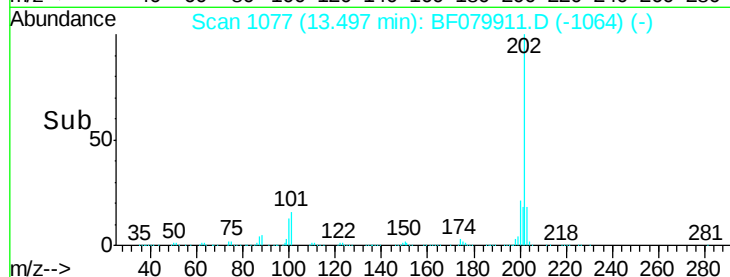
203 18.3 14.4 21.6



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: 38.33 ng

RT: 13.65 min Scan# 1090

Delta R.T. -0.05 min

Lab File: BF079911.D

Acq: 12 Jun 2015 00:29

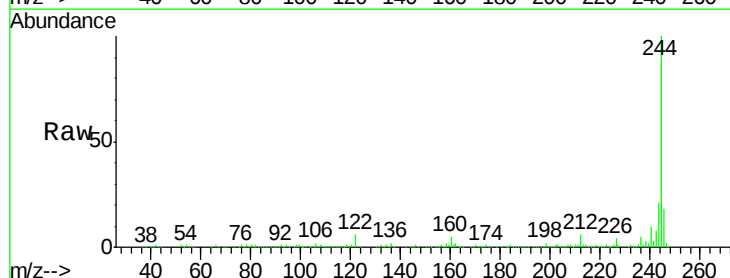
Tgt Ion:244 Resp: 475411

Ion Ratio Lower Upper

244 100

212 5.9 5.4 8.2

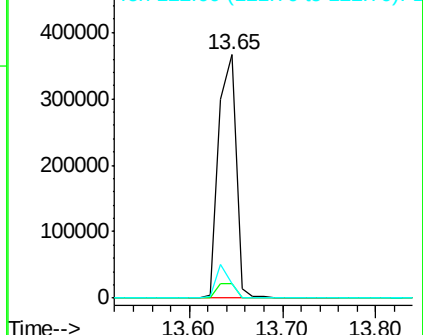
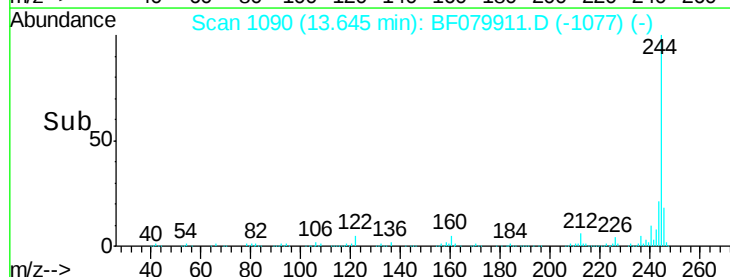
122 6.0 7.8 11.8#

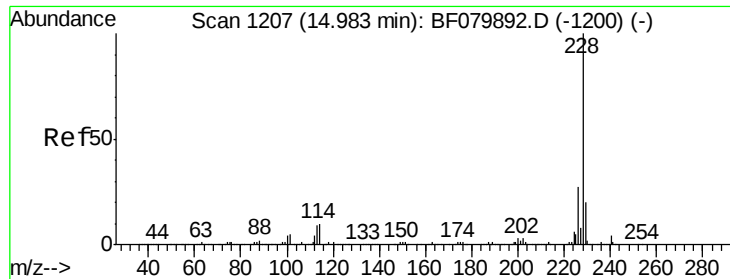


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 20.79 ng

RT: 14.89 min Scan# 1199

Delta R.T. -0.09 min

Lab File: BF079911.D

Acq: 12 Jun 2015 00:29

Instrument :

BNA_F

ClientSampleId :

FM1A

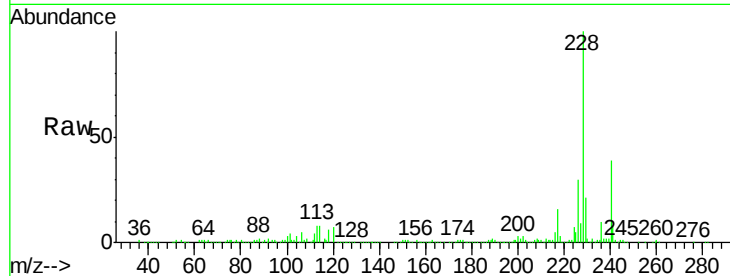
Tgt Ion:228 Resp: 347979

Ion Ratio Lower Upper

228 100

226 29.8 21.8 32.8

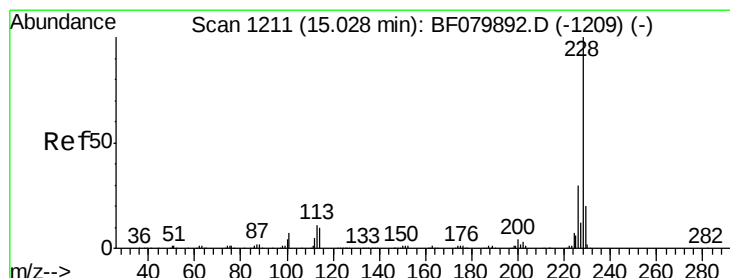
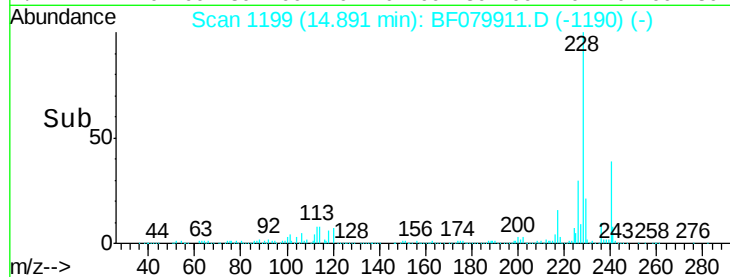
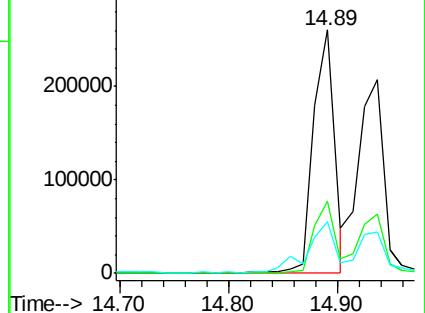
229 21.0 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 18.59 ng

RT: 14.94 min Scan# 1203

Delta R.T. -0.09 min

Lab File: BF079911.D

Acq: 12 Jun 2015 00:29

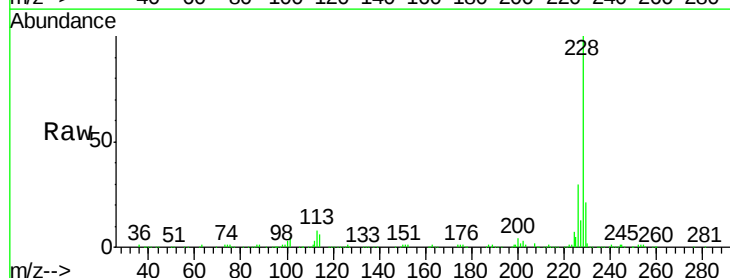
Tgt Ion:228 Resp: 291962

Ion Ratio Lower Upper

228 100

226 30.4 23.9 35.9

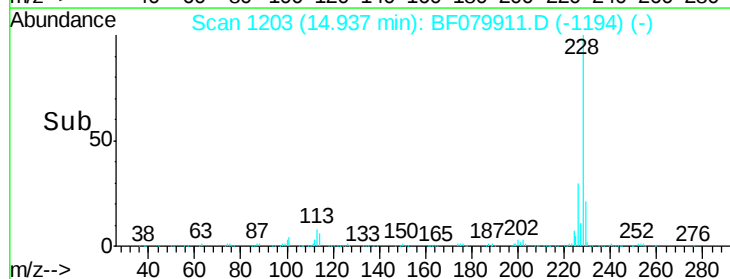
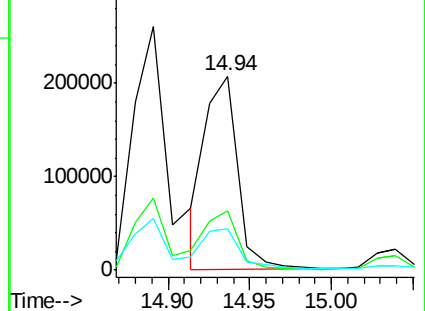
229 21.4 16.1 24.1

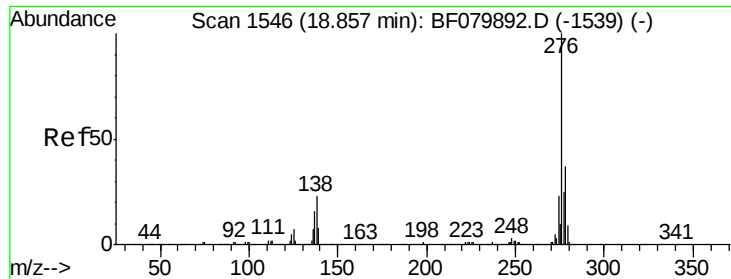


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

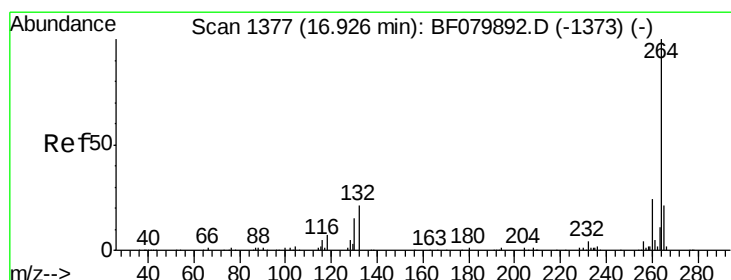
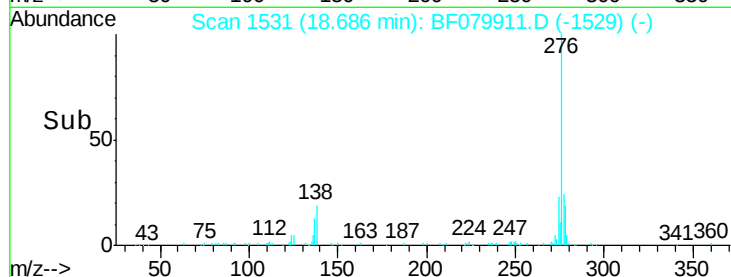
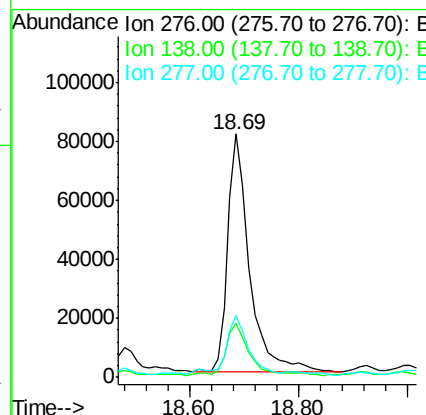
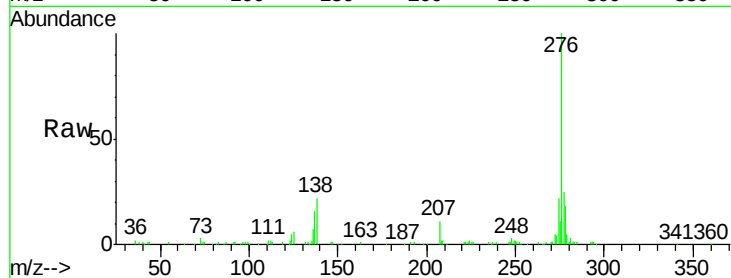




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 13.60 ng
 RT: 18.69 min Scan# 1531
 Delta R.T. -0.17 min
 Lab File: BF079911.D
 Acq: 12 Jun 2015 00:29

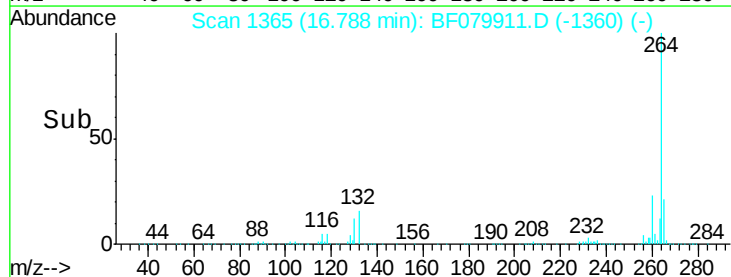
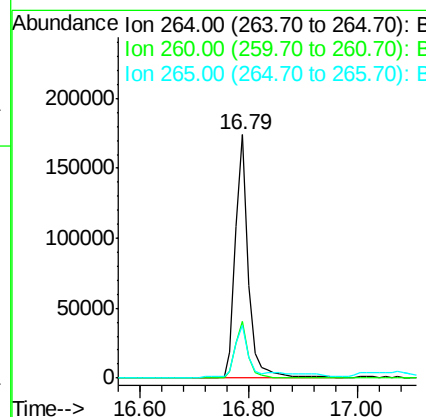
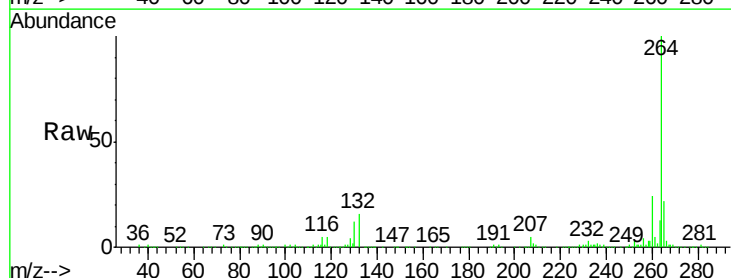
Instrument :
 BNA_F
 ClientSampled :
 FM1A

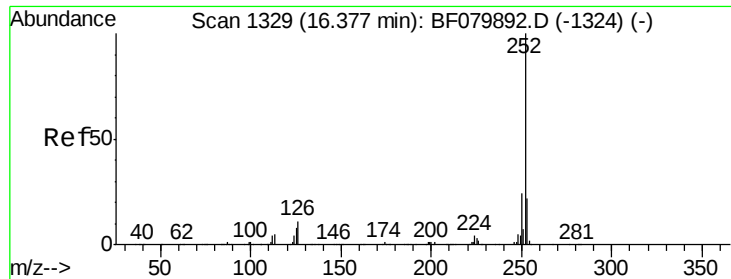
Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.4	21.0	31.4
277	21.5	19.9	29.9



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.79 min Scan# 1365
 Delta R.T. -0.14 min
 Lab File: BF079911.D
 Acq: 12 Jun 2015 00:29

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.3	28.9
265	22.0	17.0	25.6

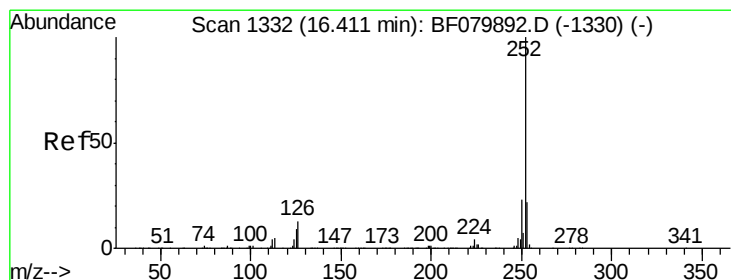
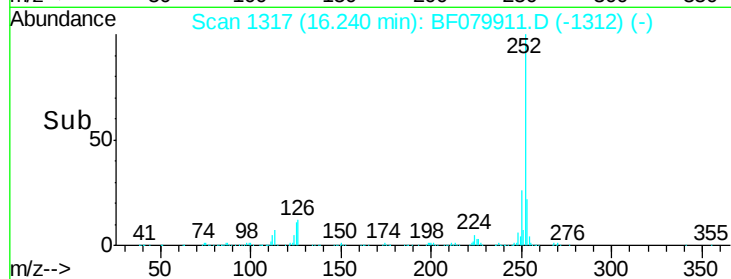
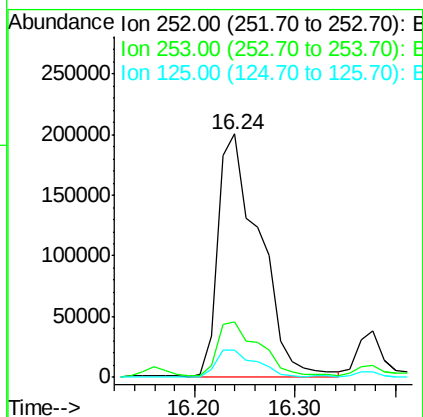
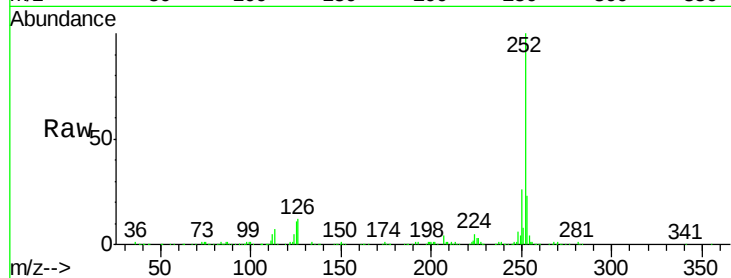




#87
Benzo(b)fluoranthene
Concen: 33.40 ng
RT: 16.24 min Scan# 1317
Delta R.T. -0.14 min
Lab File: BF079911.D
Acq: 12 Jun 2015 00:29

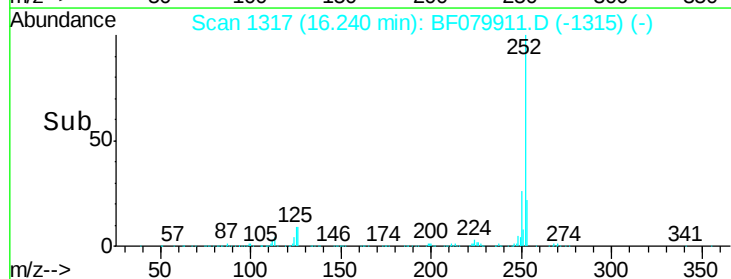
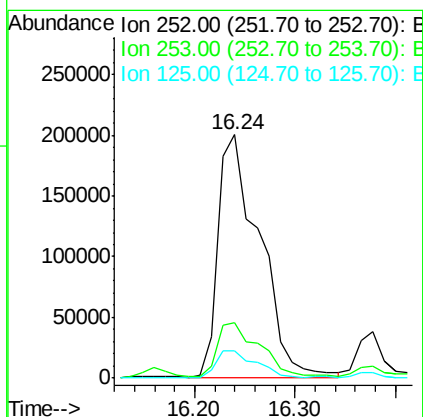
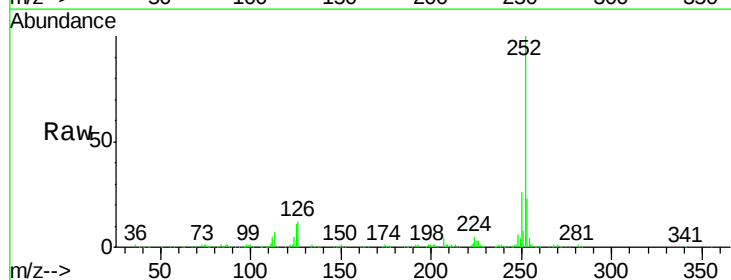
Instrument :
BNA_F
ClientSampleId :
FM1A

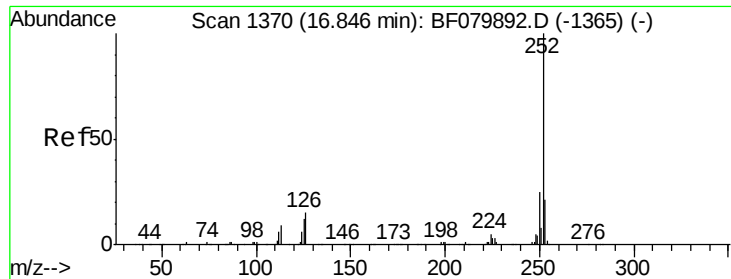
Tgt Ion:252 Resp: 570280
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.6
125 11.0 6.5 9.7#



#88
Benzo(k)fluoranthene
Concen: 32.09 ng
RT: 16.24 min Scan# 1317
Delta R.T. -0.17 min
Lab File: BF079911.D
Acq: 12 Jun 2015 00:29

Tgt Ion:252 Resp: 570280
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 11.0 7.4 11.0





#89

Benzo(a)pyrene

Concen: 19.52 ng

RT: 16.71 min Scan# 1358

Delta R.T. -0.14 min

Lab File: BF079911.D

Acq: 12 Jun 2015 00:29

Instrument :

BNA_F

ClientSampled :

FM1A

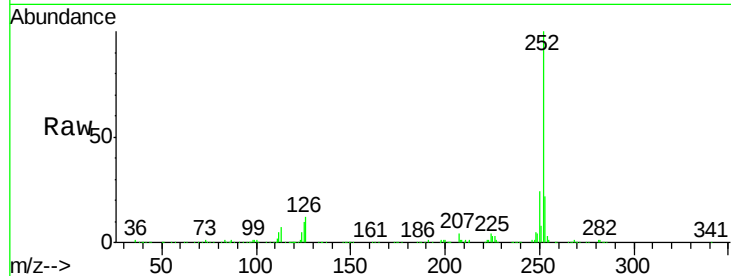
Tgt Ion:252 Resp: 314810

Ion Ratio Lower Upper

252 100

253 22.1 17.0 25.6

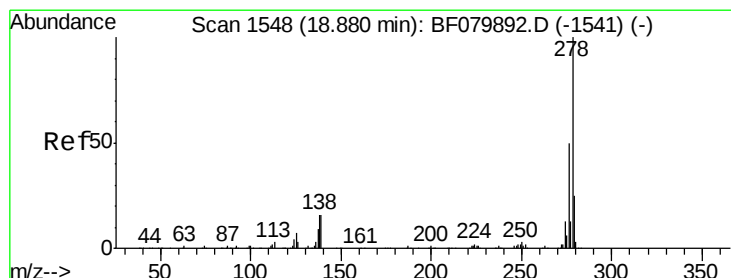
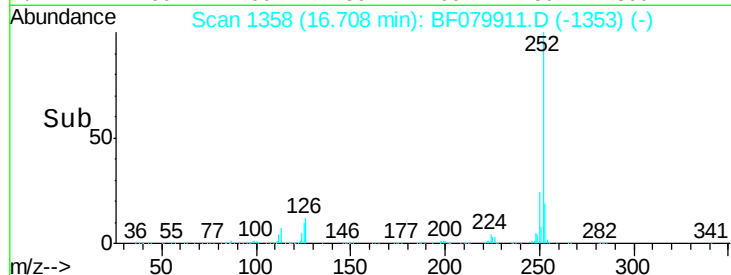
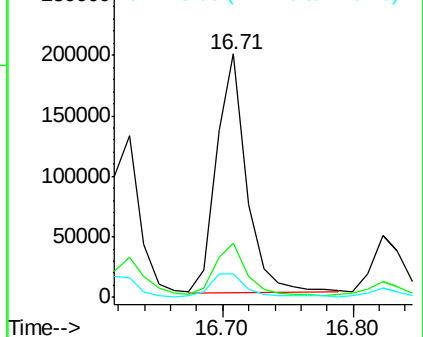
125 9.7 9.7 14.5



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: 4.33 ng

RT: 18.71 min Scan# 1533

Delta R.T. -0.17 min

Lab File: BF079911.D

Acq: 12 Jun 2015 00:29

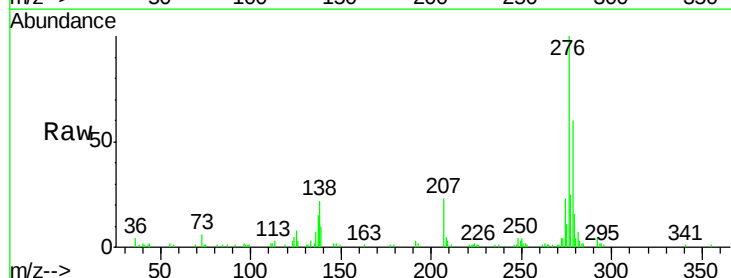
Tgt Ion:278 Resp: 64562

Ion Ratio Lower Upper

278 100

139 16.0 12.8 19.2

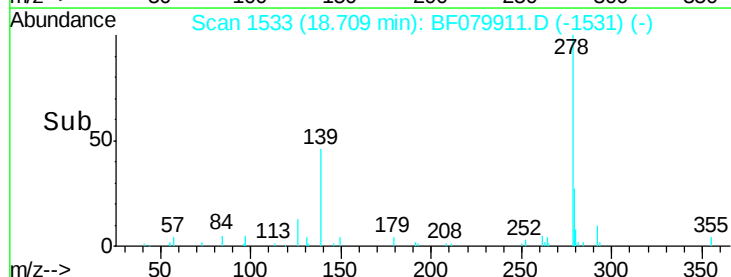
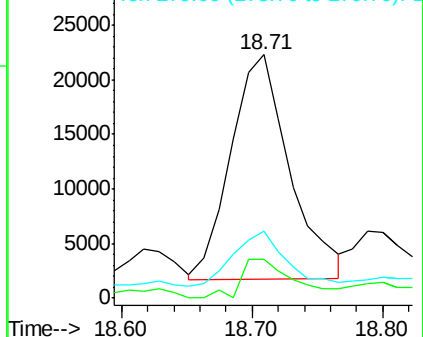
279 27.3 19.7 29.5

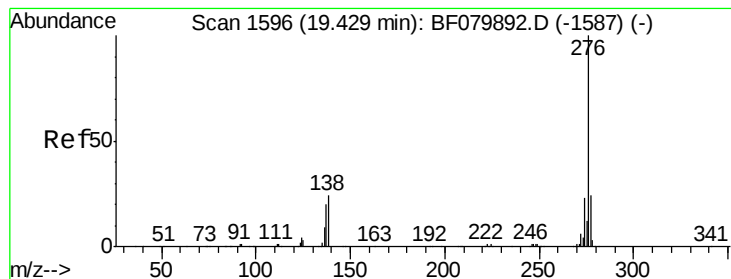


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 14.82 ng

RT: 19.27 min Scan# 1582

Delta R.T. -0.16 min

Lab File: BF079911.D

Acq: 12 Jun 2015 00:29

Instrument :

BNA_F

ClientSampleId :

FM1A

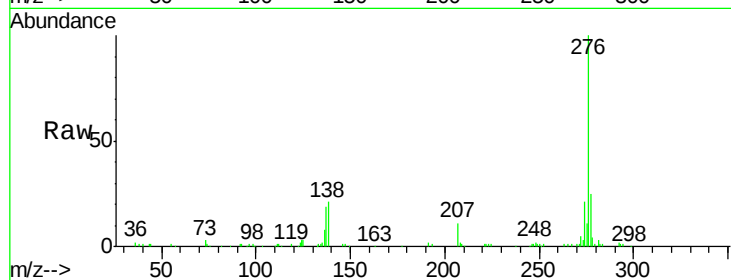
Tgt Ion: 276 Resp: 233705

Ion Ratio Lower Upper

276 100

277 24.6 19.4 29.2

138 21.0 19.1 28.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

