

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061115\
 Data File : BF079929.D
 Acq On : 12 Jun 2015 9:11
 Operator : TP/IZ
 Sample : G2449-07 2X
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FM5

Quant Time: Jun 12 13:48:12 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 13:46:24 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	59205	20.00	ng	0.00
21) Naphthalene-d8	8.68	136	248862	20.00	ng	0.00
38) Acenaphthene-d10	10.46	164	130358	20.00	ng	0.00
63) Phenanthrene-d10	11.98	188	281089	20.00	ng	0.01
75) Chrysene-d12	15.01	240	286548	20.00	ng	0.16
86) Perylene-d12	16.95	264	308218	20.00	ng	0.24

System Monitoring Compounds						
5) 2-Fluorophenol	6.01	112	206627	64.00	ng	0.01
7) Phenol-d6	6.99	99	281600	64.02	ng	0.00
23) Nitrobenzene-d5	7.94	82	128302	34.02	ng	-0.01
41) 2,4,6-Tribromophenol	11.26	330	57585	45.83	ng	0.00
44) 2-Fluorobiphenyl	9.76	172	281831	30.27	ng	0.00
78) Terphenyl-d14	13.69	244	286570	23.06	ng	0.08

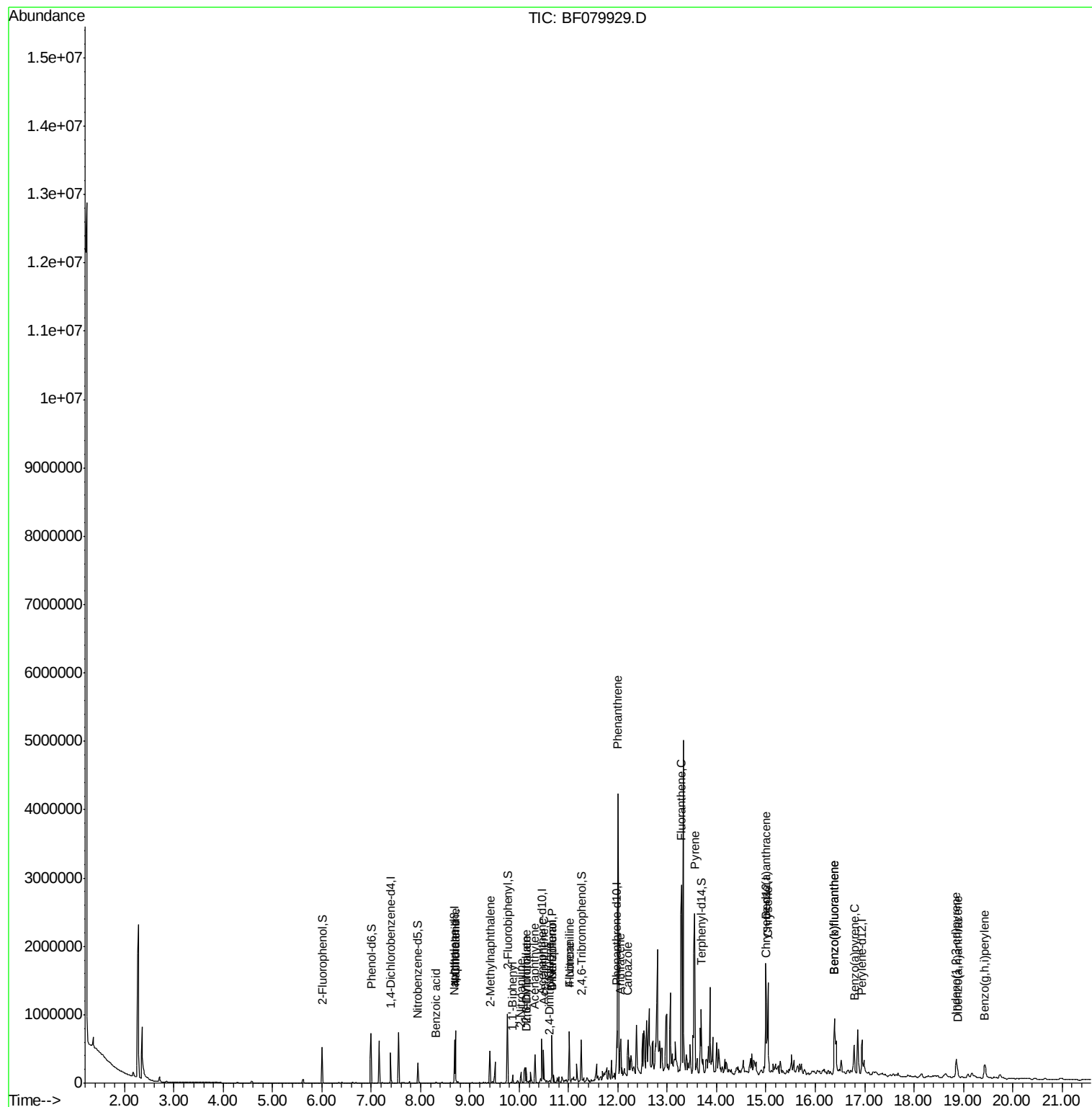
Target Compounds				Qvalue		
31) Naphthalene	8.71	128	294649	21.66	ng	99
32) Benzoic acid	8.31	122	2576	9.92	ng	# 14
33) 4-Chloroaniline	8.71	127	37837	7.17	ng	# 31
37) 2-Methylnaphthalene	9.40	142	116596	12.69	ng	99
45) 1,1'-Biphenyl	9.86	154	36709	3.48	ng	97
47) 2-Nitroaniline	10.03	65	995	4.76	ng	# 14
48) Acenaphthylene	10.32	152	148168	9.77	ng	98
49) Dimethylphthalate	10.15	163	30585	2.93	ng	98
50) 2,6-Dinitrotoluene	10.14	165	863	3.47	ng	# 1
51) Acenaphthene	10.49	154	91911	10.67	ng	97
54) Dibenzofuran	10.66	168	245959	19.53	ng	97
55) 4-Nitrophenol	10.66	139	89127	54.32	ng	# 1
56) 2,4-Dinitrotoluene	10.62	165	1714	5.42	ng	# 65
57) Fluorene	11.02	166	273533	24.92	ng	99
61) 4-Nitroaniline	11.02	138	2505	4.08	ng	# 19
70) Phenanthrene	12.00	178	1683225	100.48	ng	97
71) Anthracene	12.06	178	308580	19.04	ng	99
72) Carbazole	12.21	167	203233	12.93	ng	99
74) Fluoranthene	13.29	202	1569348	84.74	ng	98
77) Pvrene	13.55	202	1327005	73.73	ng	99
80) Benzo(a)anthracene	14.99	228	665947	36.60	ng	95
82) Chrysene	15.04	228	556913	34.32	ng	97
85) Indeno(1,2,3-cd)pyrene	18.86	276	239342	12.56	ng	97
87) Benzo(b)fluoranthene	16.39	252	832367	44.07	ng	# 97
88) Benzo(k)fluoranthene	16.39	252	832367	43.22	ng	# 97
89) Benzo(a)pyrene	16.79	252	271839	15.14	ng	94
90) Dibenzo(a,h)anthracene	18.88	278	66563	3.77	ng	# 92
91) Benzo(g,h,i)perylene	19.44	276	219448	12.01	ng	100

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

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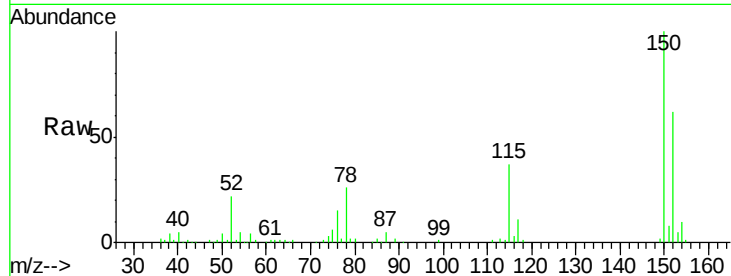


#1

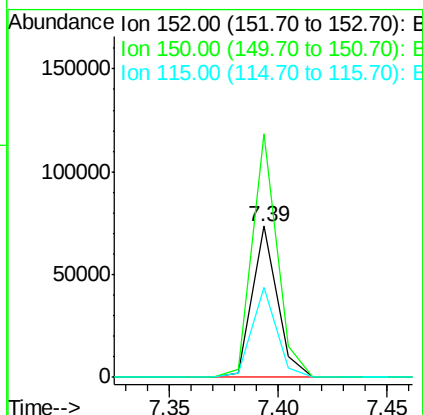
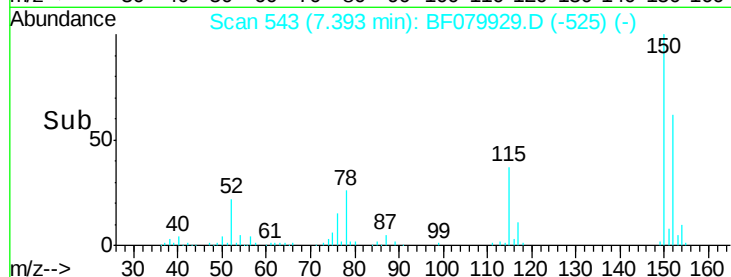
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.39 min Scan# 543
Delta R.T. 0.00 min
Lab File: BF079929.D
Acq: 12 Jun 2015 9:11

Instrument :
BNA_F
ClientSampleId :
FM5

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.1	131.0	196.4
115	59.9	49.8	74.6



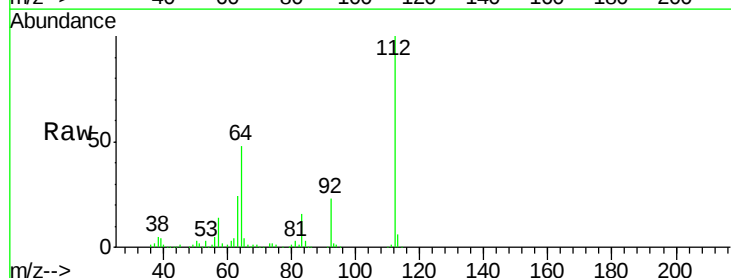
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



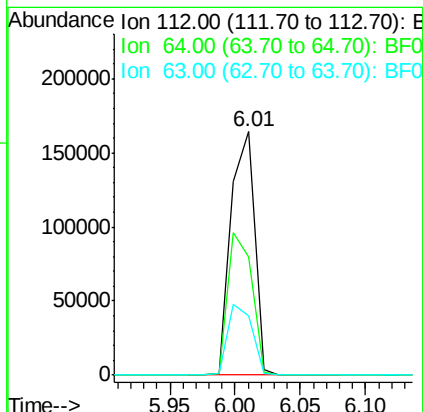
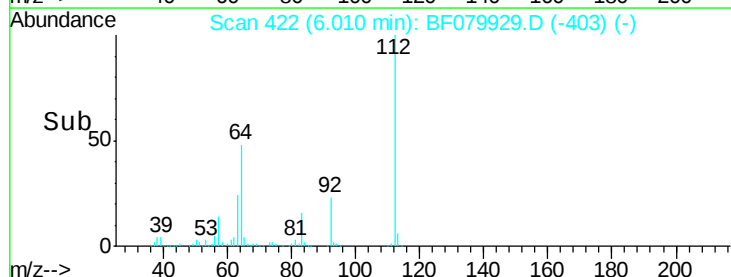
#5

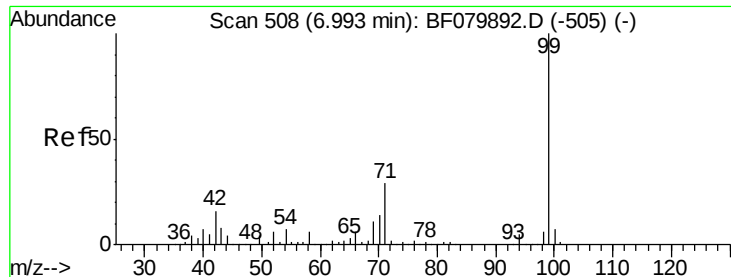
2-Fluorophenol
Concen: 64.00 ng
RT: 6.01 min Scan# 422
Delta R.T. 0.01 min
Lab File: BF079929.D
Acq: 12 Jun 2015 9:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.5	54.5	81.7#
63	24.1	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: 64.02 ng

RT: 6.99 min Scan# 508

Delta R.T. 0.00 min

Lab File: BF079929.D

Acq: 12 Jun 2015 9:11

Instrument :

BNA_F

ClientSampleId :

FM5

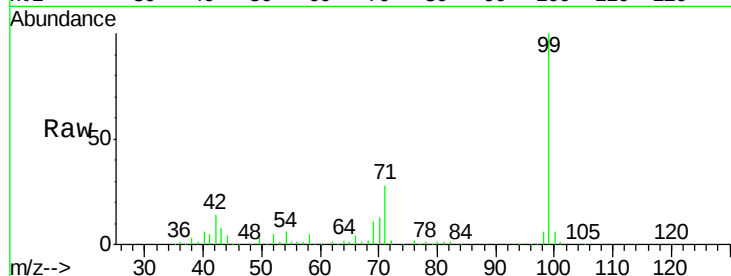
Tot Ion: 99 Resp: 281600

Ion Ratio Lower Upper

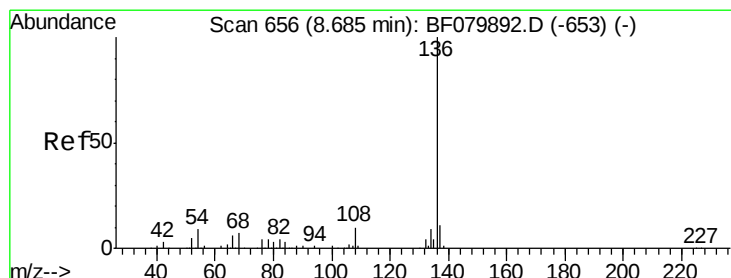
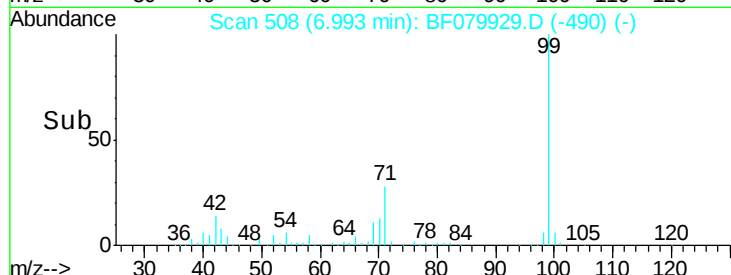
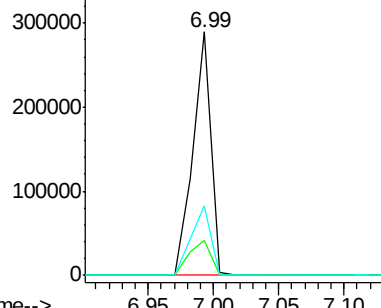
99 100

42 14.3 12.9 19.3

71 28.5 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: BF079929.D

Acq: 12 Jun 2015 9:11

Tgt Ion: 136 Resp: 248862

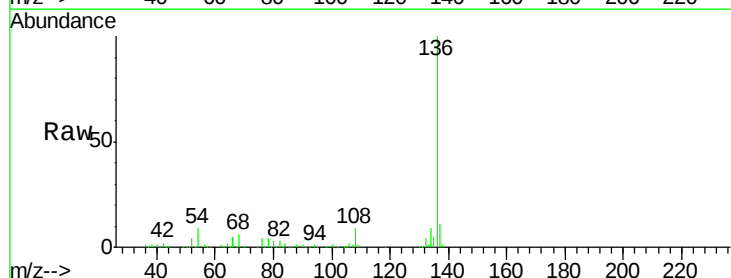
Ion Ratio Lower Upper

136 100

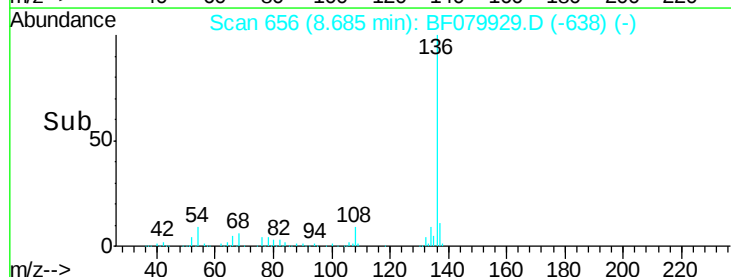
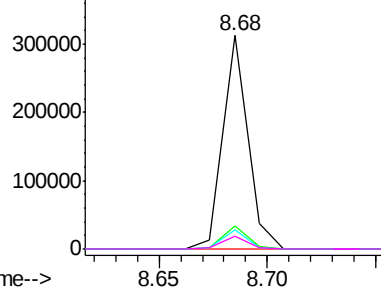
137 10.7 8.7 13.1

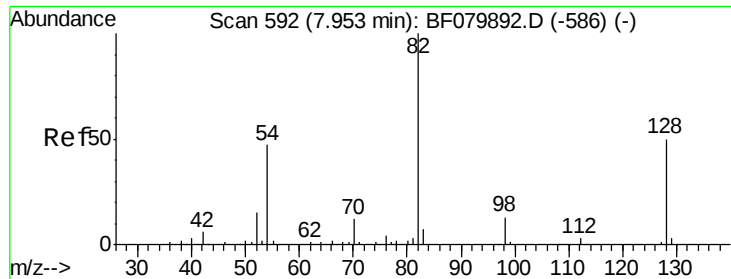
54 8.7 7.3 10.9

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

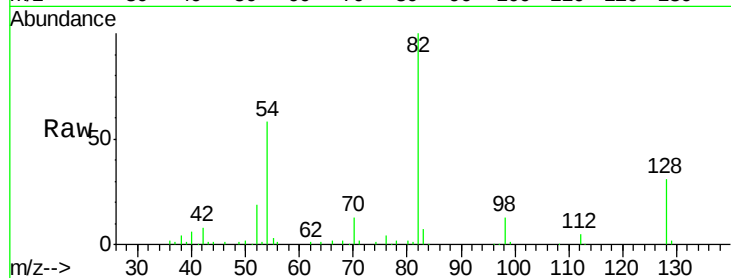




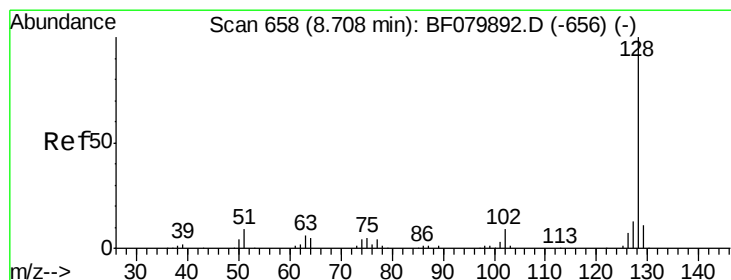
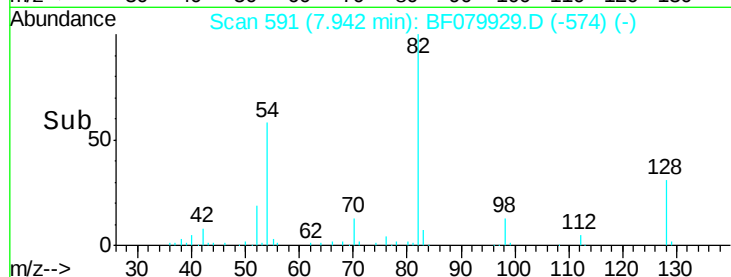
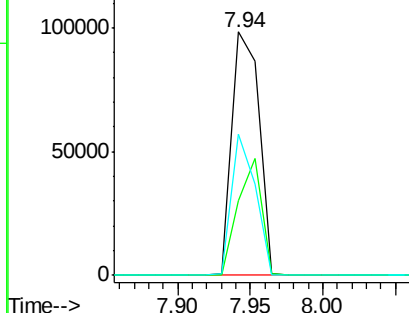
#23
 Nitrobenzene-d5
 Concen: 34.02 ng
 RT: 7.94 min Scan# 591
 Delta R.T. -0.01 min
 Lab File: BF079929.D
 Acq: 12 Jun 2015 9:11

Instrument :
 BNA_F
 ClientSampleId :
 FM5

Tot Ion: 82 Resp: 128302
 Ion Ratio Lower Upper
 82 100
 128 30.6 40.3 60.5#
 54 58.2 38.0 57.0#

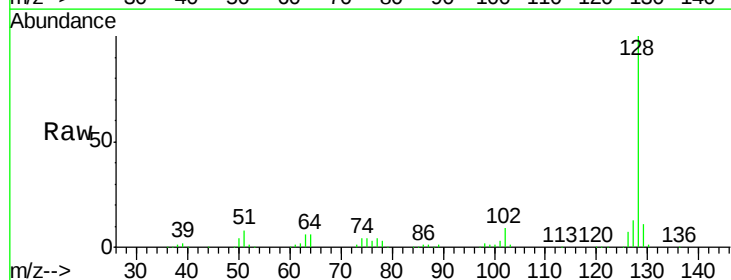


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

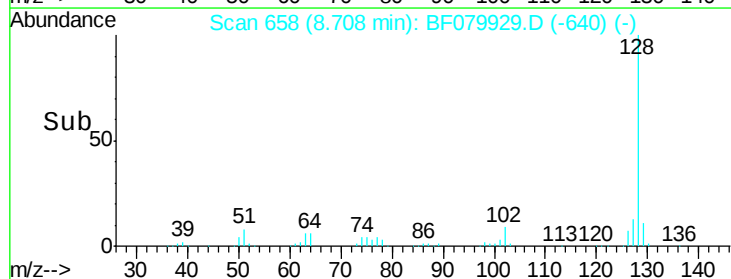
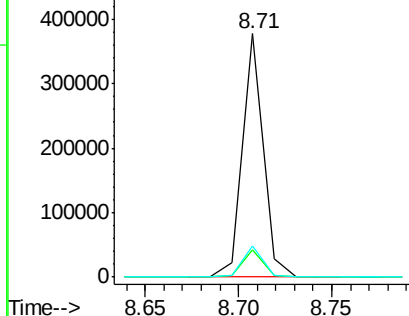


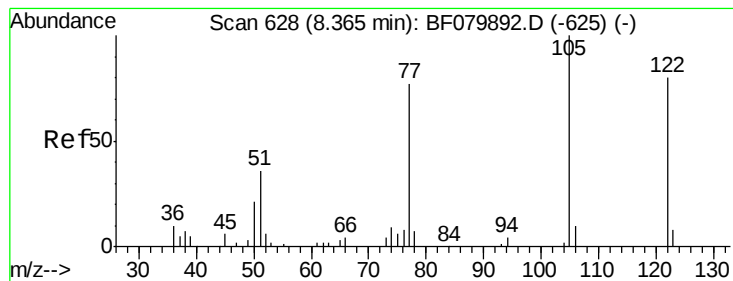
#31
 Naphthalene
 Concen: 21.66 ng
 RT: 8.71 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: BF079929.D
 Acq: 12 Jun 2015 9:11

Tgt Ion: 128 Resp: 294649
 Ion Ratio Lower Upper
 128 100
 129 11.2 8.8 13.2
 127 12.9 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





#32

Benzoic acid

Concen: 9.92 ng

RT: 8.31 min Scan# 623

Delta R.T. -0.06 min

Lab File: BF079929.D

Acq: 12 Jun 2015 9:11

Instrument :

BNA_F

ClientSampleId :

FM5

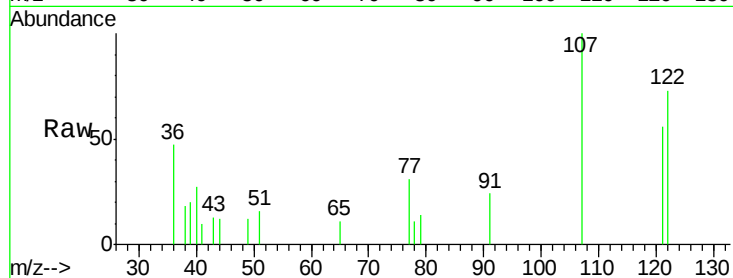
Tot Ion:122 Resp: 2576

Ion Ratio Lower Upper

122 100

105 0.0 102.7 142.7#

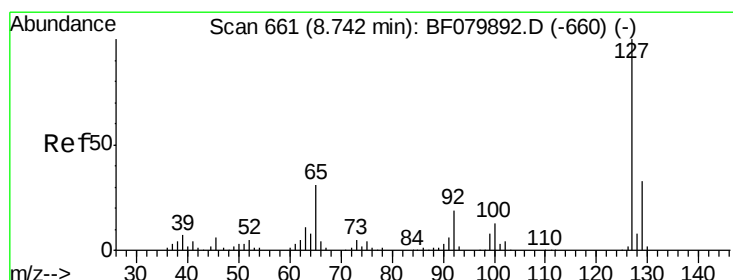
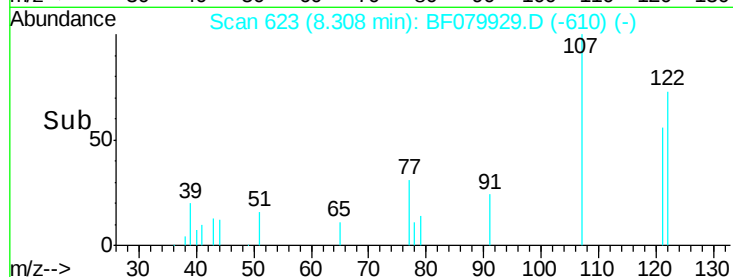
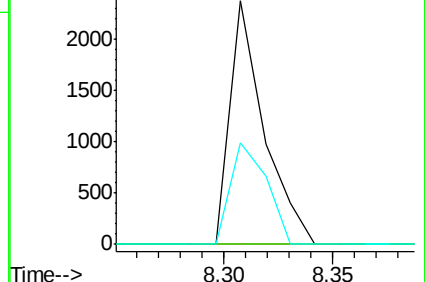
77 41.8 77.1 117.1#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#33

4-Chloroaniline

Concen: 7.17 ng

RT: 8.71 min Scan# 658

Delta R.T. -0.03 min

Lab File: BF079929.D

Acq: 12 Jun 2015 9:11

Tgt Ion:127 Resp: 37837

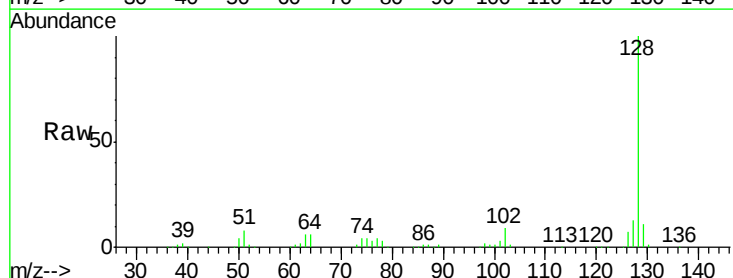
Ion Ratio Lower Upper

127 100

129 87.3 26.1 39.1#

65 0.0 25.5 38.3#

92 0.0 15.7 23.5#

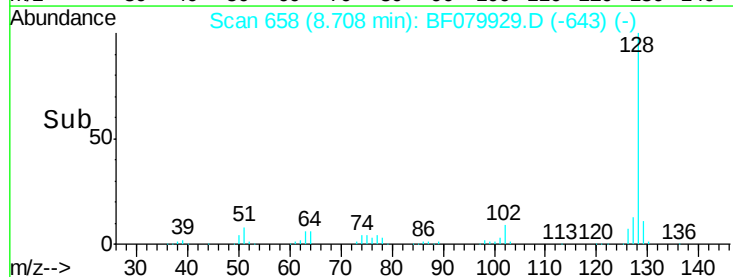
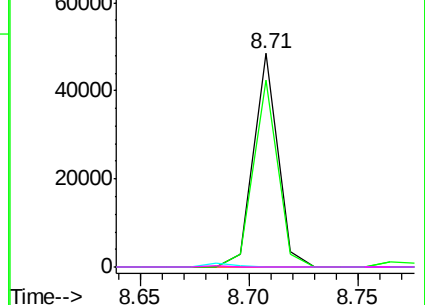


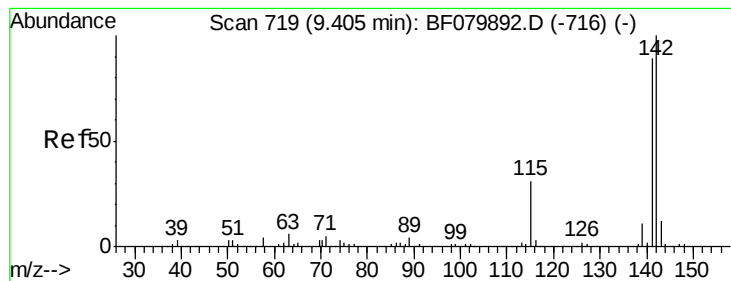
Abundance Ion 127.00 (126.70 to 127.70): E

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: 12.69 ng

RT: 9.40 min Scan# 719

Delta R.T. 0.00 min

Lab File: BF079929.D

Acq: 12 Jun 2015 9:11

Instrument :

BNA_F

ClientSampleId :

FM5

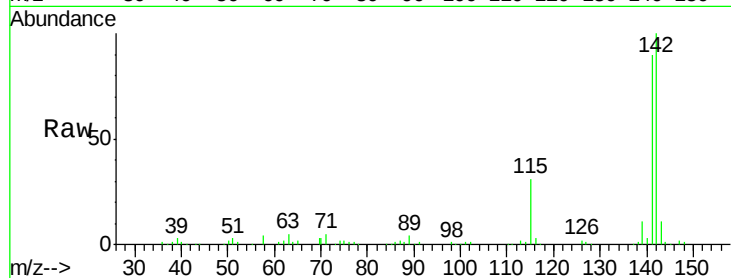
Tot Ion:142 Resp: 116596

Ion Ratio Lower Upper

142 100

141 90.0 70.9 106.3

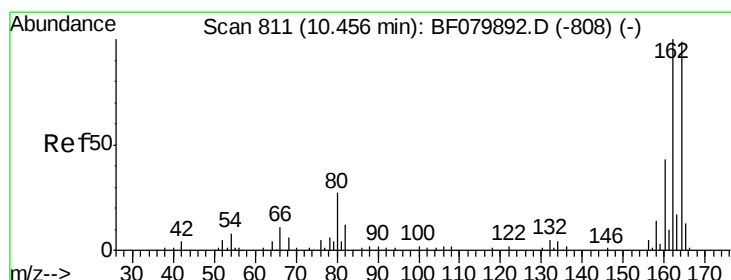
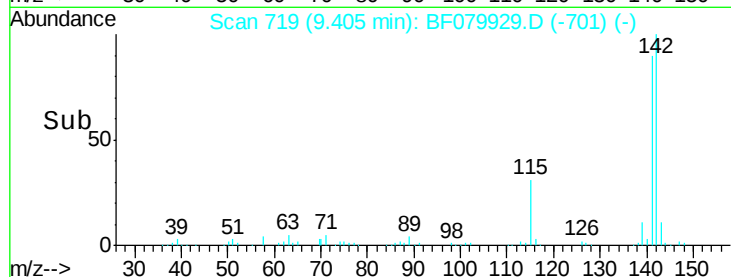
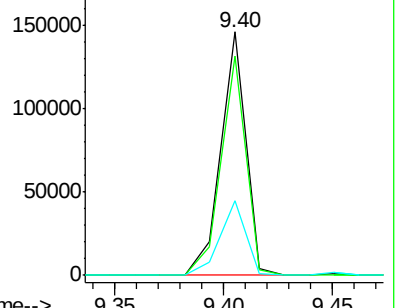
115 30.5 25.0 37.4



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: 10.46 min Scan# 811

Delta R.T. 0.00 min

Lab File: BF079929.D

Acq: 12 Jun 2015 9:11

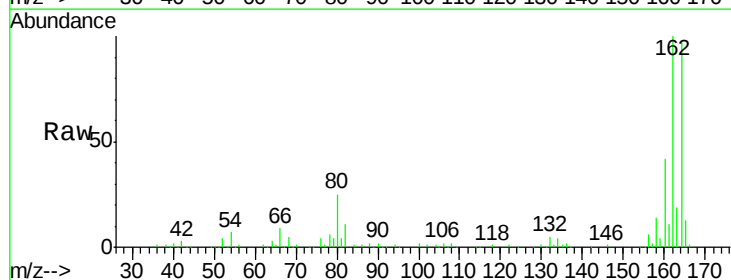
Tgt Ion:164 Resp: 130358

Ion Ratio Lower Upper

164 100

162 103.4 80.7 121.1

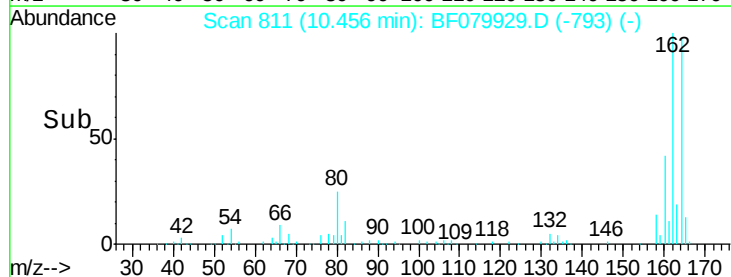
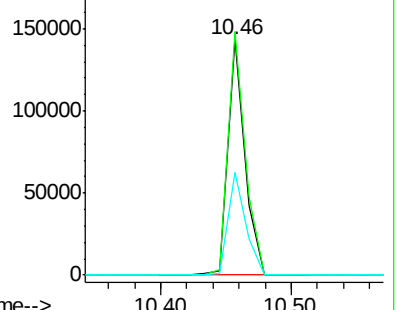
160 43.6 34.6 51.8

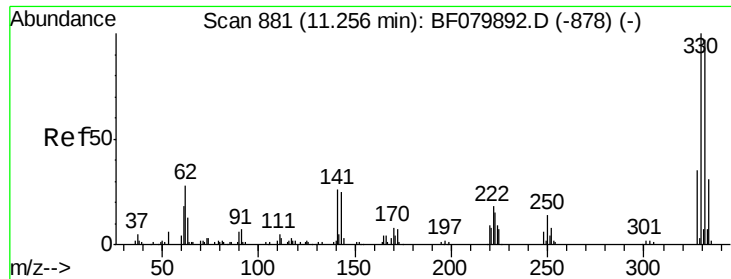


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

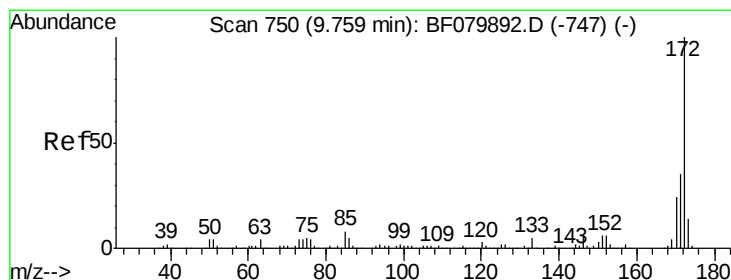
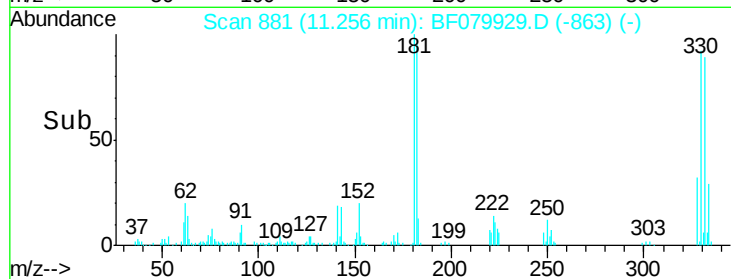
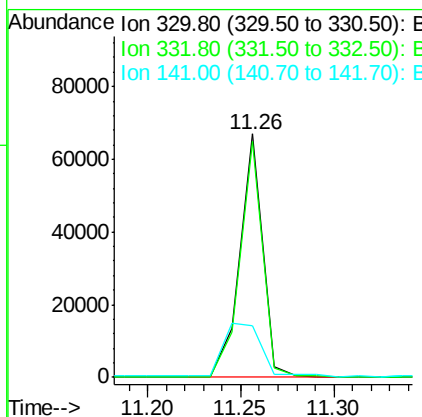
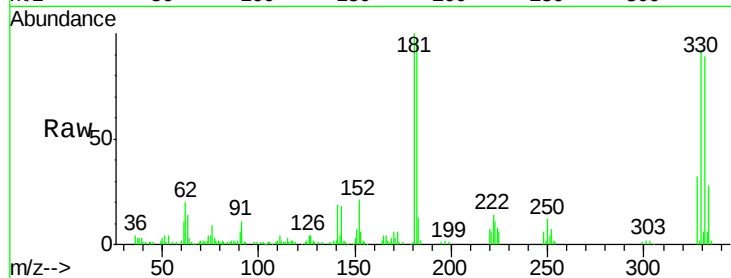




#41
 2,4,6-Tribromophenol
 Concen: 45.83 ng
 RT: 11.26 min Scan# 881
 Delta R.T. 0.00 min
 Lab File: BF079929.D
 Acq: 12 Jun 2015 9:11

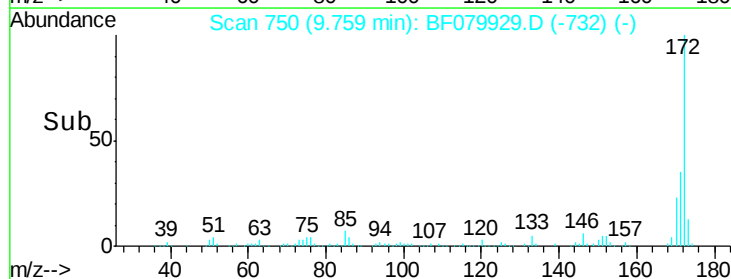
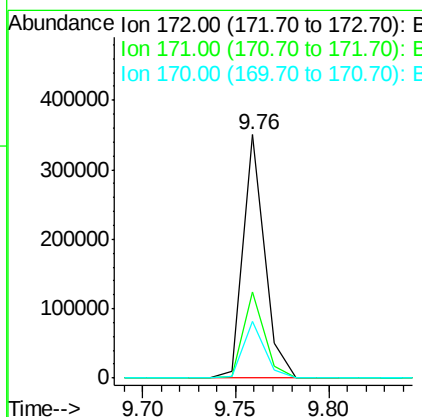
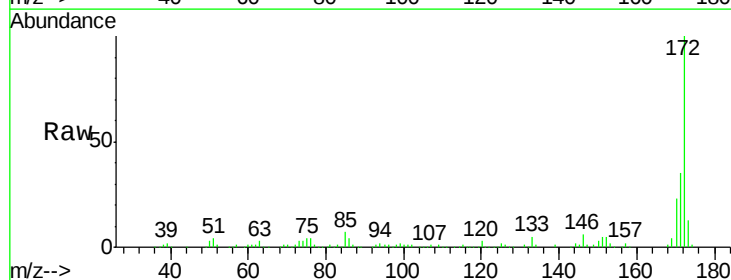
Instrument :
 BNA_F
 ClientSampleId :
 FM5

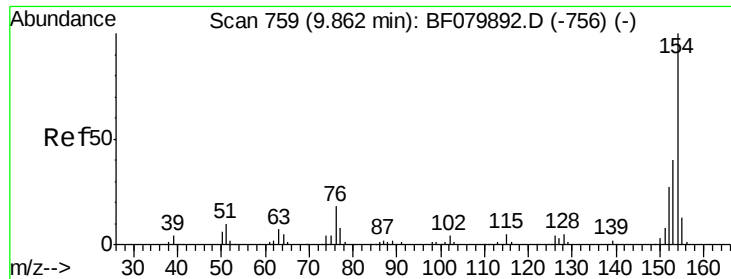
Tot Ion:330 Resp: 57585
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.3 115.9
 141 40.3 26.8 40.2#



#44
 2-Fluorobiphenyl
 Concen: 30.27 ng
 RT: 9.76 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: BF079929.D
 Acq: 12 Jun 2015 9:11

Tgt Ion:172 Resp: 281831
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.3 42.5
 170 23.4 19.0 28.4

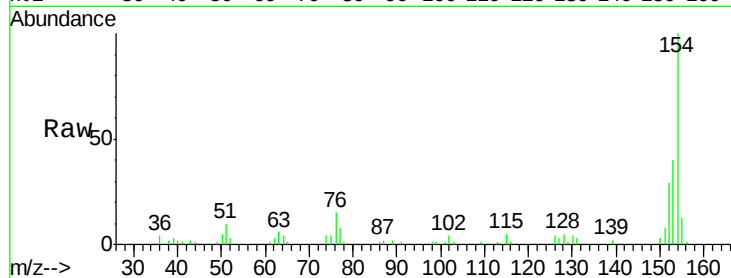




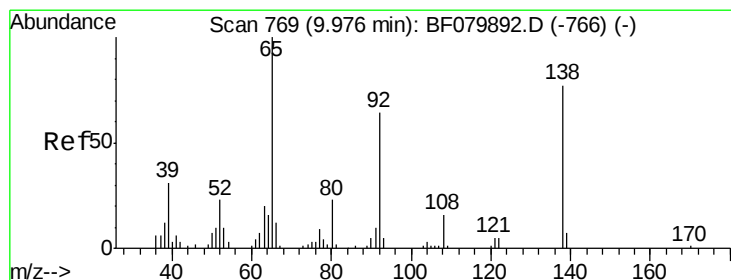
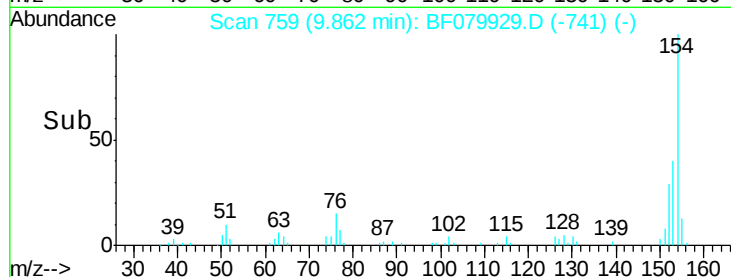
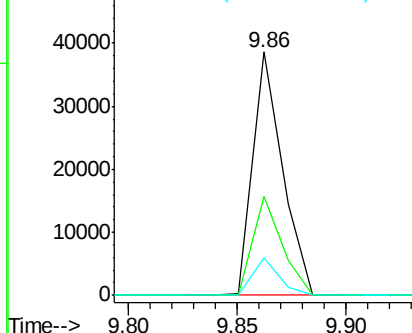
#45
 1,1'-Biphenyl
 Concen: 3.48 ng
 RT: 9.86 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: BF079929.D
 Acq: 12 Jun 2015 9:11

Instrument :
 BNA_F
 ClientSampled :
 FM5

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.1	60.1
76	15.3	0.0	38.4

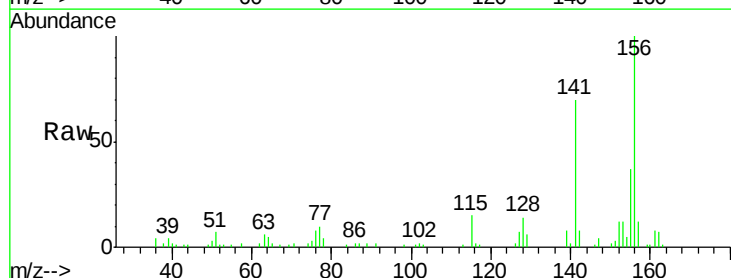


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

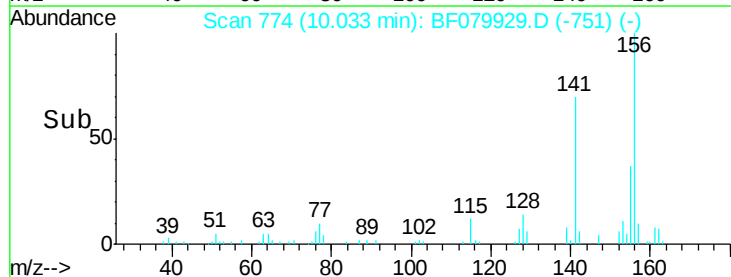
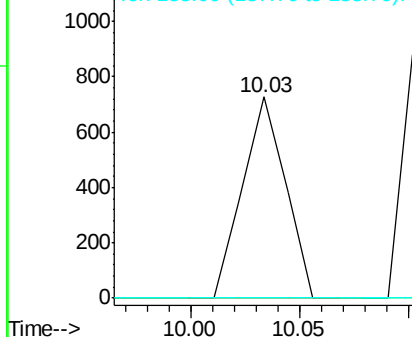


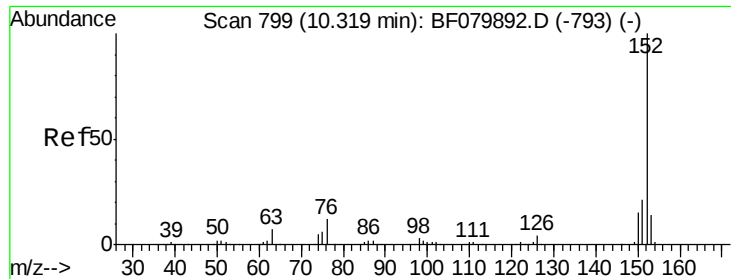
#47
 2-Nitroaniline
 Concen: 4.76 ng
 RT: 10.03 min Scan# 774
 Delta R.T. 0.06 min
 Lab File: BF079929.D
 Acq: 12 Jun 2015 9:11

Tgt Ion	Ratio	Lower	Upper
65	100		
92	0.0	51.1	76.7#
138	0.0	62.0	93.0#



Abundance Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0
 Ion 138.00 (137.70 to 138.70): E

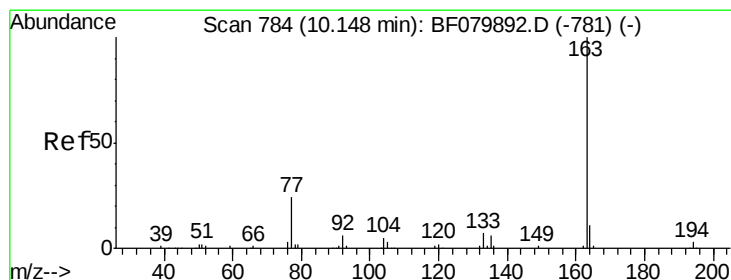
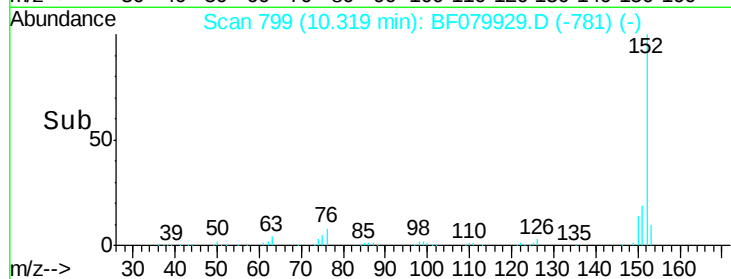
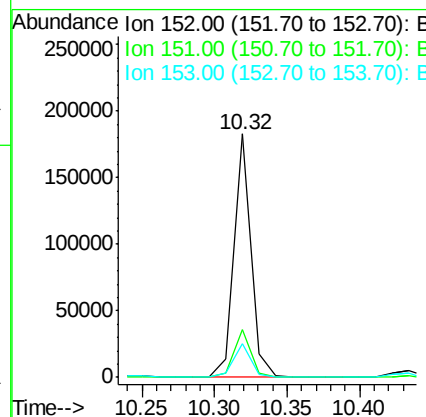
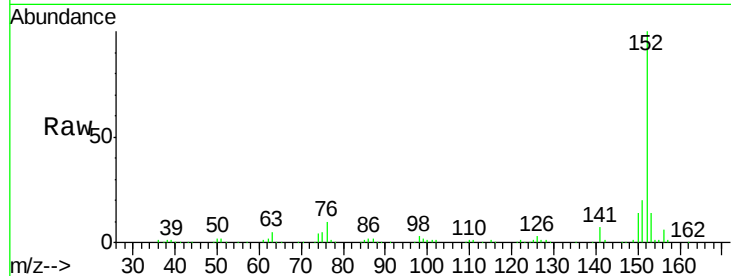




#48
Acenaphthylene
Concen: 9.77 ng
RT: 10.32 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF079929.D
Acq: 12 Jun 2015 9:11

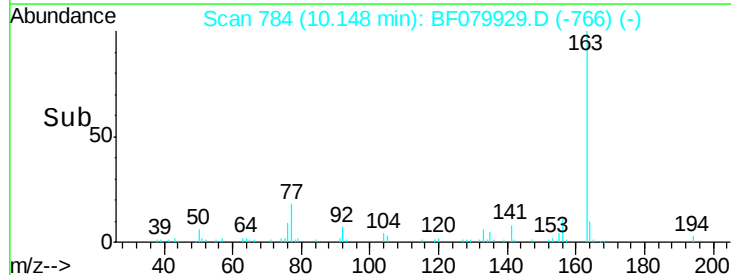
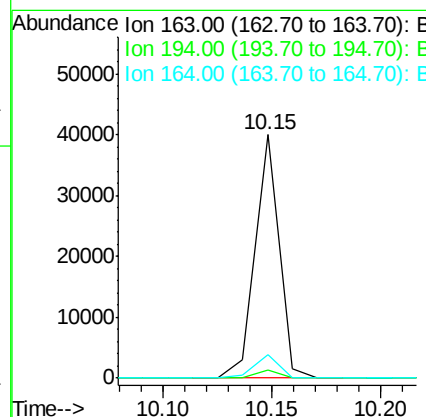
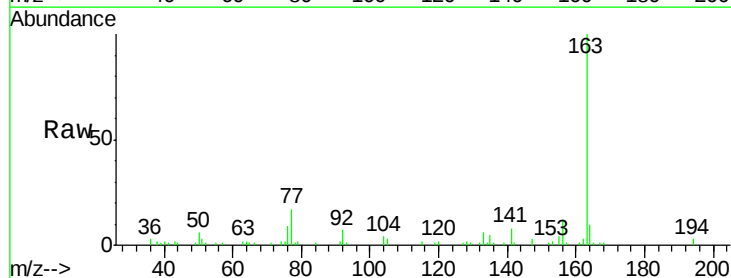
Instrument :
BNA_F
ClientSampleId :
FM5

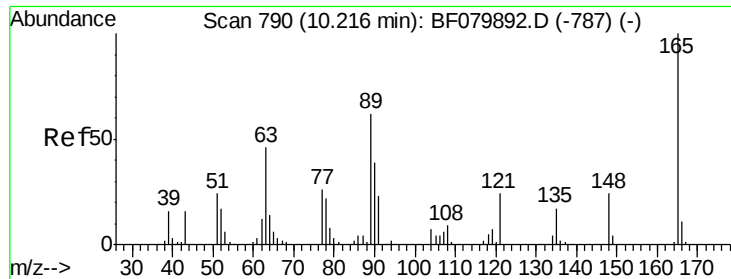
Tot Ion:152 Resp: 148168
Ion Ratio Lower Upper
152 100
151 19.8 16.8 25.2
153 13.6 10.8 16.2



#49
Dimethylphthalate
Concen: 2.93 ng
RT: 10.15 min Scan# 784
Delta R.T. 0.00 min
Lab File: BF079929.D
Acq: 12 Jun 2015 9:11

Tgt Ion:163 Resp: 30585
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 9.9 8.6 12.8

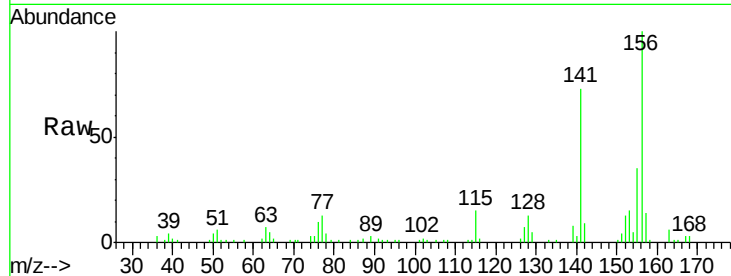




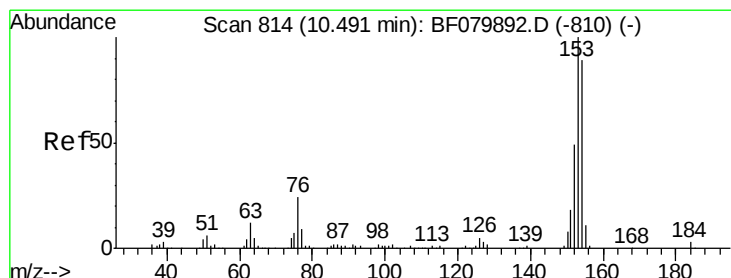
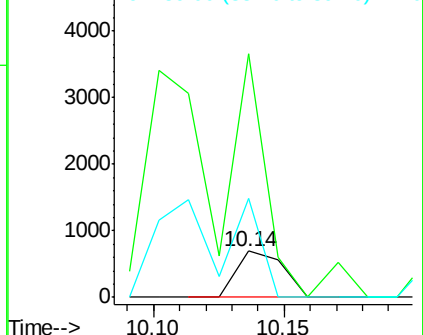
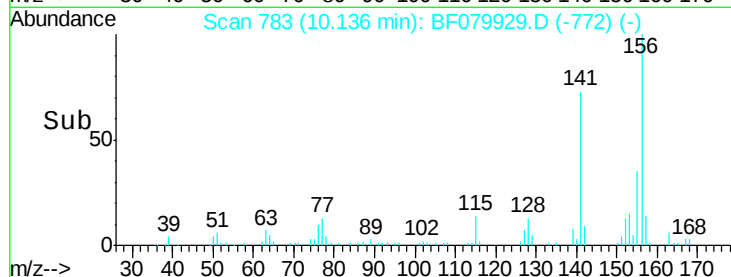
#50
 2,6-Dinitrotoluene
 Concen: 3.47 ng
 RT: 10.14 min Scan# 783
 Delta R.T. -0.08 min
 Lab File: BF079929.D
 Acq: 12 Jun 2015 9:11

Instrument :
 BNA_F
 ClientSampleID :
 FM5

Tot Ion:165 Resp: 863
 Ion Ratio Lower Upper
 165 100
 63 524.2 46.4 69.6#
 89 211.7 49.6 74.4#

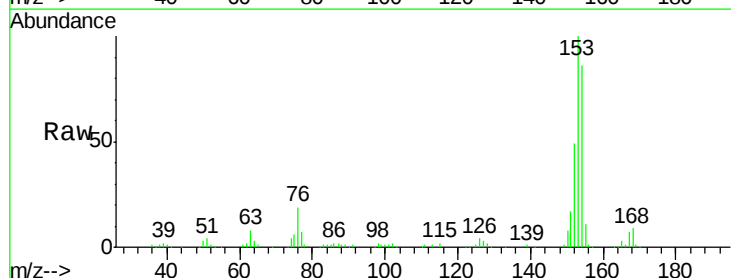


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

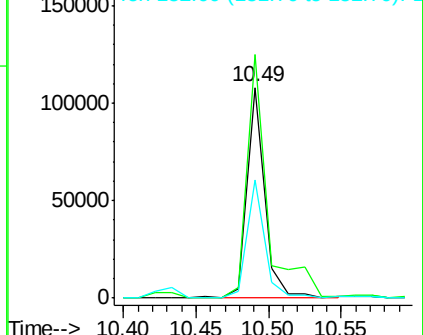
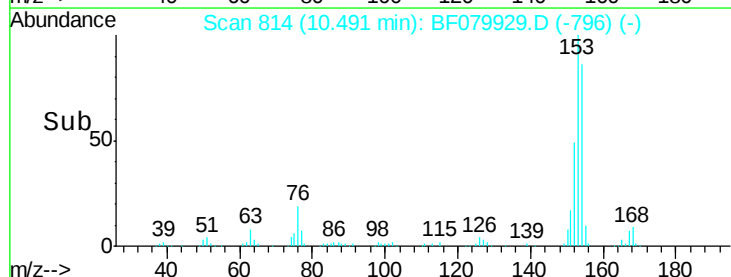


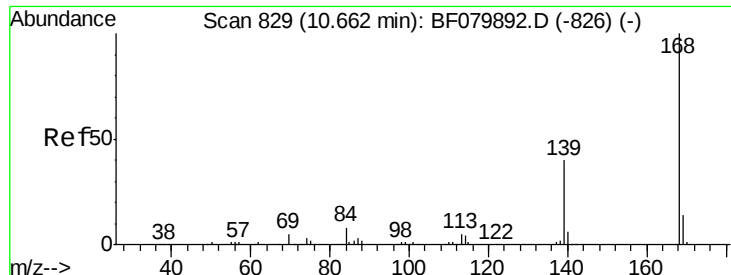
#51
 Acenaphthene
 Concen: 10.67 ng
 RT: 10.49 min Scan# 814
 Delta R.T. 0.00 min
 Lab File: BF079929.D
 Acq: 12 Jun 2015 9:11

Tgt Ion:154 Resp: 91911
 Ion Ratio Lower Upper
 154 100
 153 115.7 90.0 135.0
 152 56.2 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

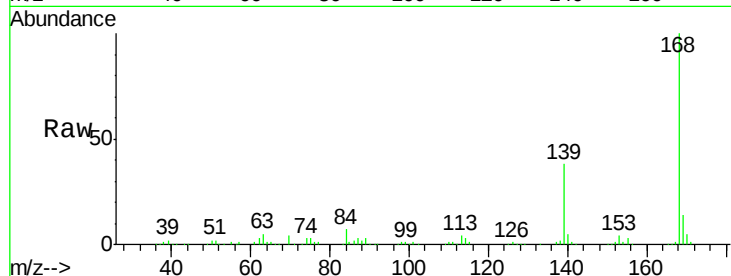




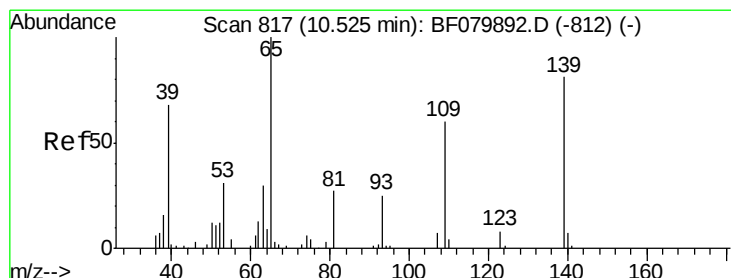
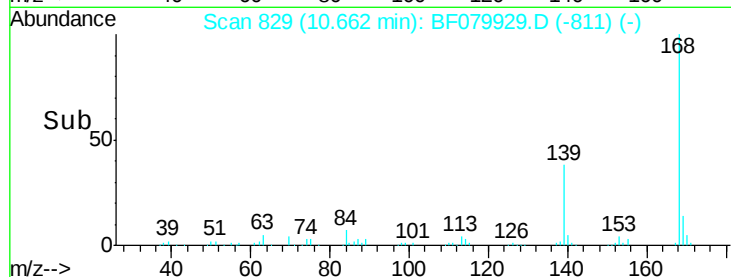
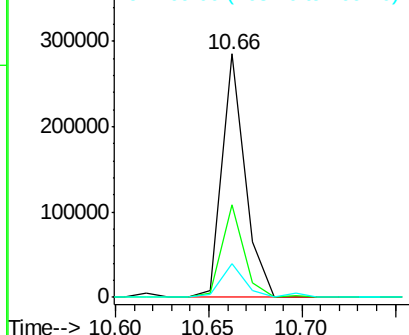
#54
Dibenzenofuran
Concen: 19.53 ng
RT: 10.66 min Scan# 829
Delta R.T. 0.00 min
Lab File: BF079929.D
Acq: 12 Jun 2015 9:11

Instrument :
BNA_F
ClientSampled :
FM5

Tot Ion:168 Resp: 245959
Ion Ratio Lower Upper
168 100
139 37.8 32.2 48.2
169 13.9 11.0 16.6

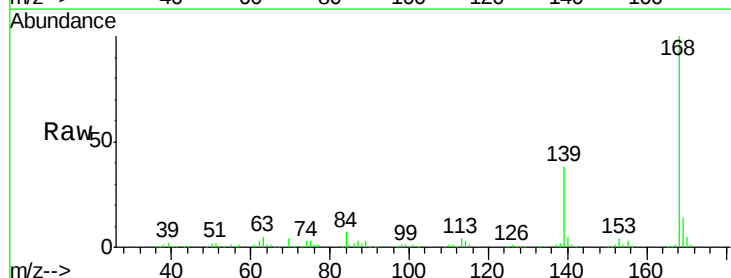


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

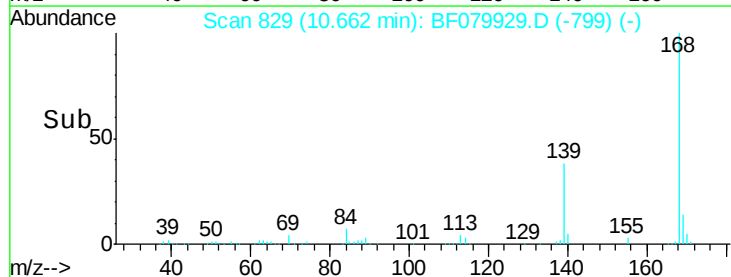
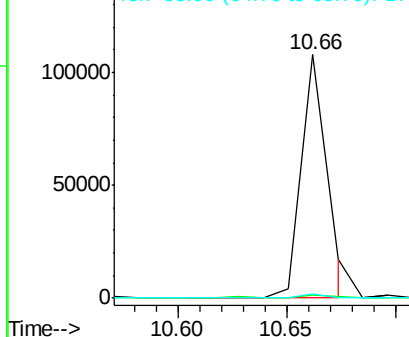


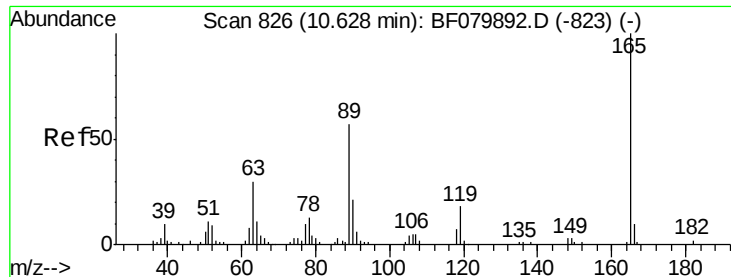
#55
4-Nitrophenol
Concen: 54.32 ng
RT: 10.66 min Scan# 829
Delta R.T. 0.14 min
Lab File: BF079929.D
Acq: 12 Jun 2015 9:11

Tgt Ion:139 Resp: 89127
Ion Ratio Lower Upper
139 100
109 1.0 54.8 94.8#
65 1.6 104.8 144.8#



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

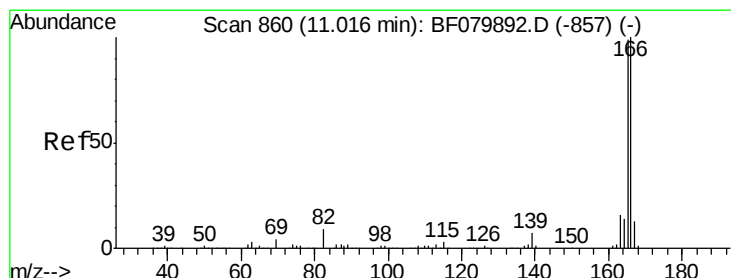
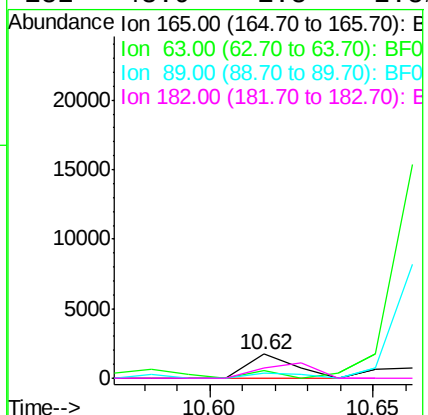
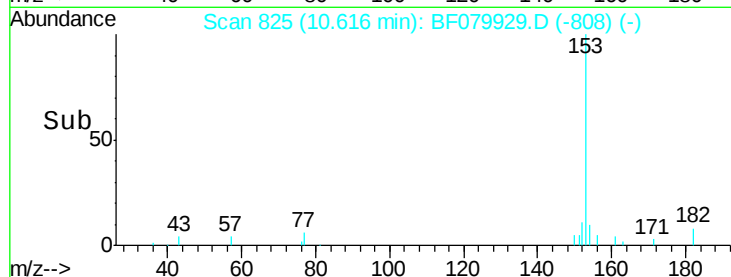
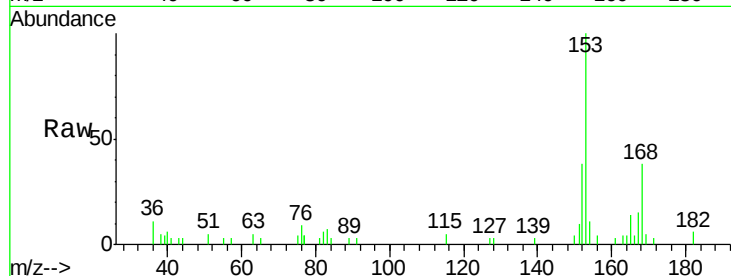




#56
2,4-Dinitrotoluene
Concen: 5.42 ng
RT: 10.62 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF079929.D
Acq: 12 Jun 2015 9:11

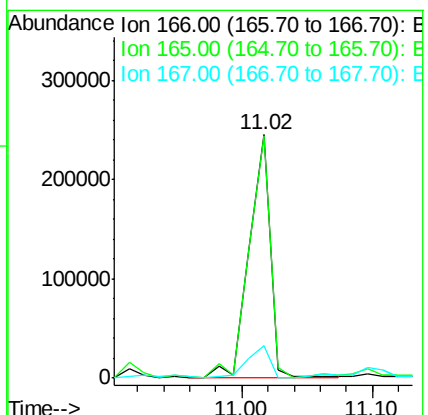
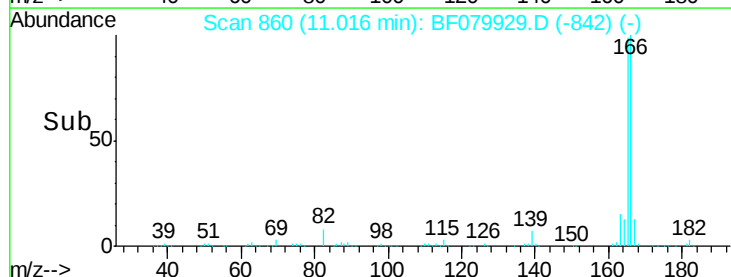
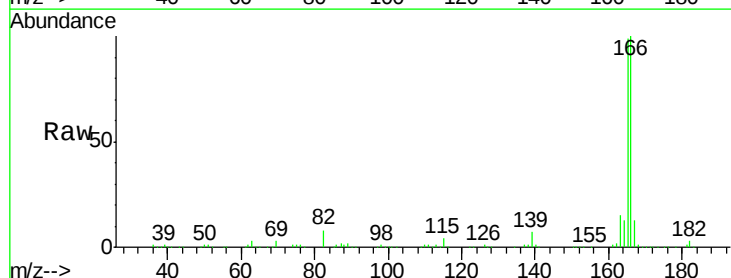
Instrument :
BNA_F
ClientSampleId :
FM5

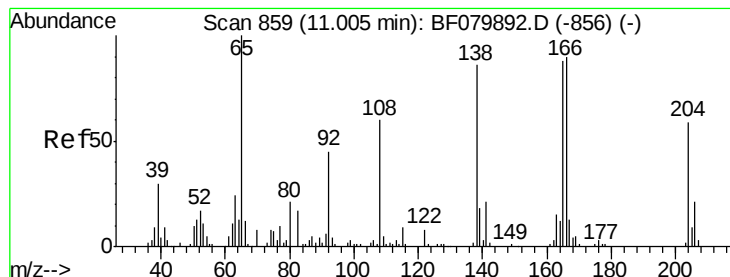
Tot Ion	Ratio	Lower	Upper
165	100		
63	33.7	24.3	36.5
89	22.4	45.4	68.2
182	43.9	1.8	2.8



#57
Fluorene
Concen: 24.92 ng
RT: 11.02 min Scan# 860
Delta R.T. 0.00 min
Lab File: BF079929.D
Acq: 12 Jun 2015 9:11

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.4	79.0	118.6
167	13.5	10.3	15.5





#61

4-Nitroaniline

Concen: 4.08 ng

RT: 11.02 min Scan# 860

Delta R.T. 0.01 min

Lab File: BF079929.D

Acq: 12 Jun 2015 9:11

Instrument :

BNA_F

ClientSampleId :

FM5

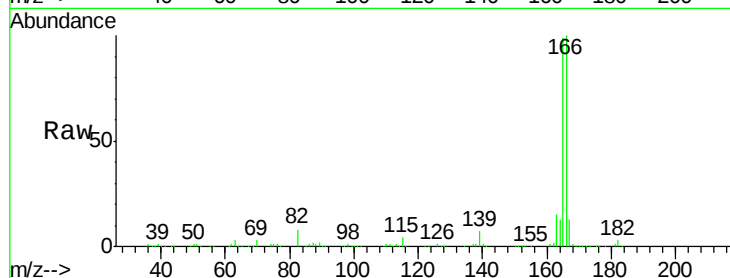
Tot Ion:138 Resp: 2505

Ion Ratio Lower Upper

138 100

92 0.0 32.9 72.9#

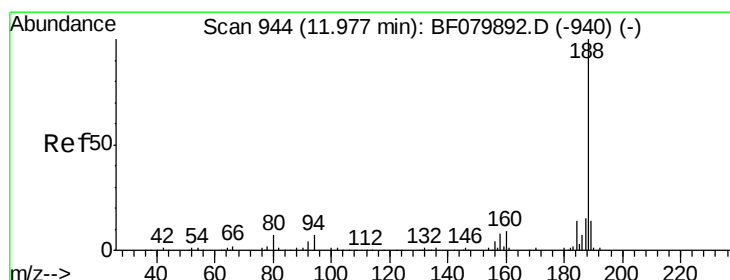
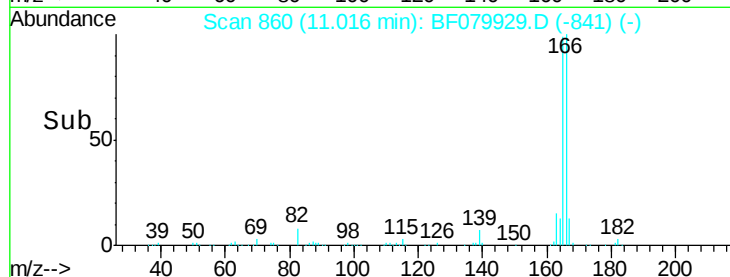
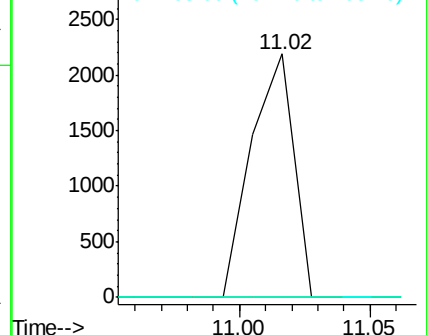
108 0.0 50.4 90.4#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.98 min Scan# 944

Delta R.T. 0.01 min

Lab File: BF079929.D

Acq: 12 Jun 2015 9:11

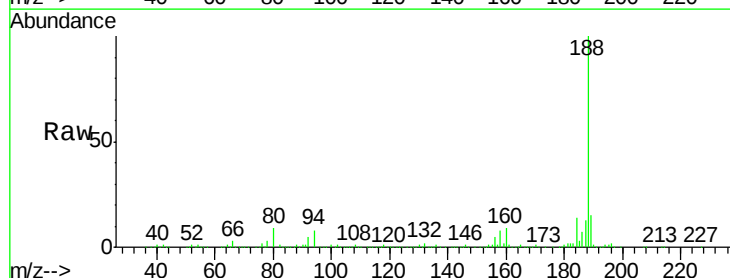
Tgt Ion:188 Resp: 281089

Ion Ratio Lower Upper

188 100

94 8.3 5.8 8.8

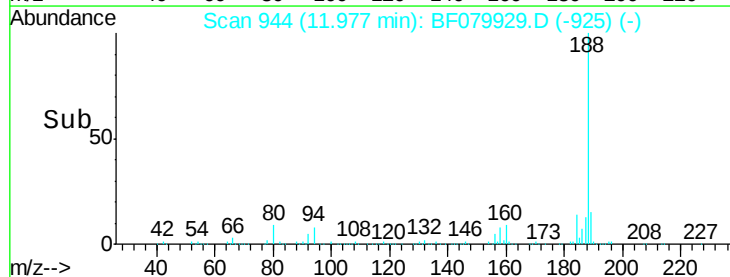
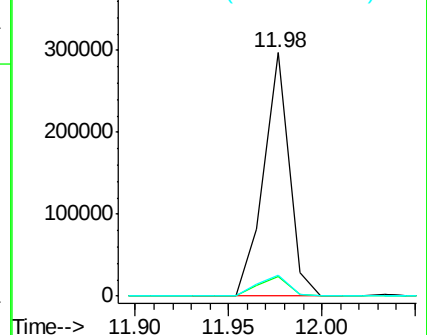
80 8.8 5.9 8.9

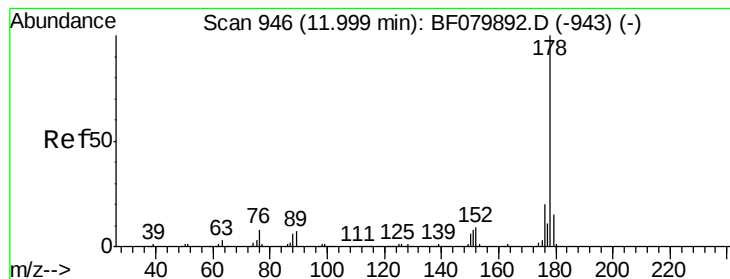


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 100.48 ng

RT: 12.00 min Scan# 946

Delta R.T. 0.01 min

Lab File: BF079929.D

Acq: 12 Jun 2015 9:11

Instrument :

BNA_F

ClientSampleId :

FM5

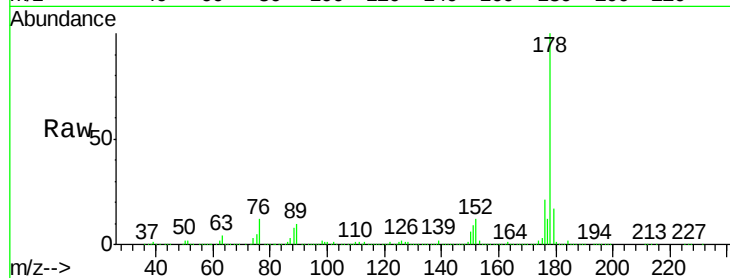
Tot Ion:178 Resp: 1683225

Ion Ratio Lower Upper

178 100

176 20.9 15.9 23.9

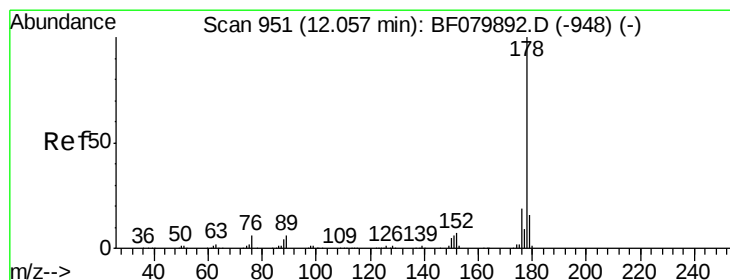
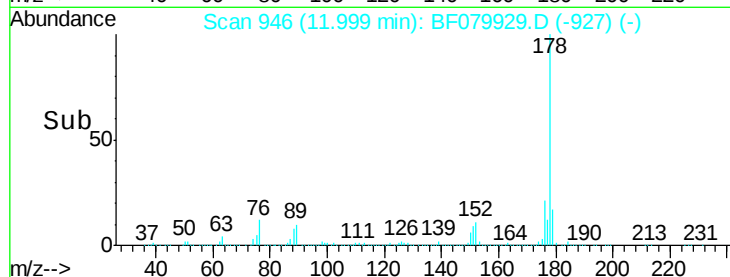
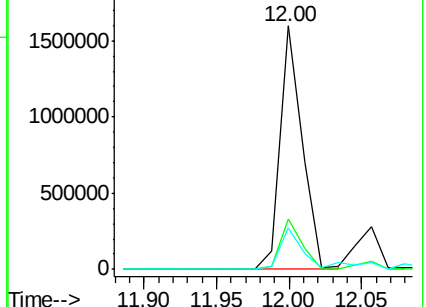
179 17.0 12.3 18.5



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



#71

Anthracene

Concen: 19.04 ng

RT: 12.06 min Scan# 951

Delta R.T. 0.01 min

Lab File: BF079929.D

Acq: 12 Jun 2015 9:11

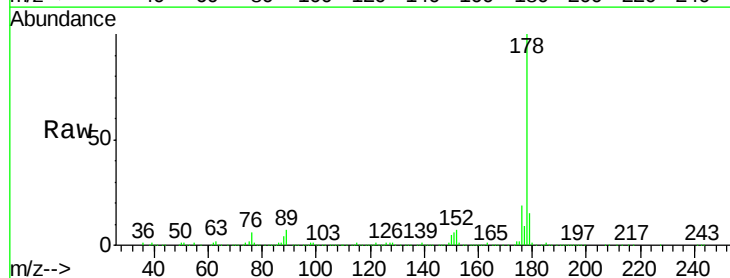
Tgt Ion:178 Resp: 308580

Ion Ratio Lower Upper

178 100

176 18.6 15.2 22.8

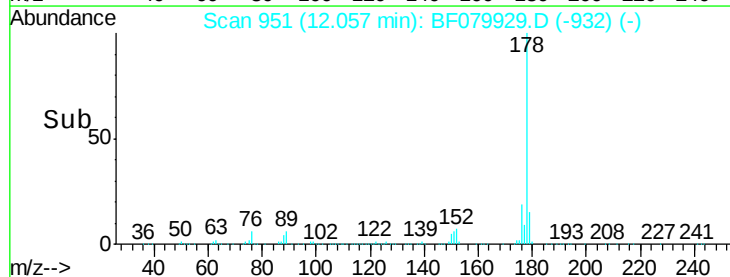
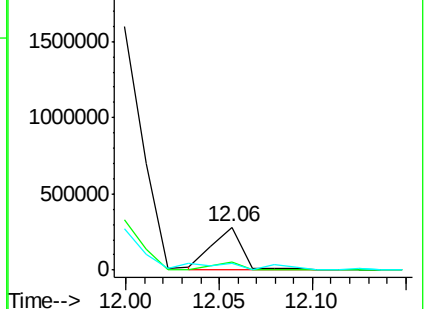
179 15.1 12.5 18.7

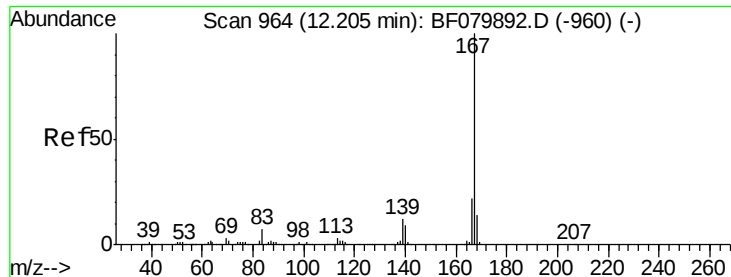


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 12.93 ng

RT: 12.21 min Scan# 964

Delta R.T. 0.01 min

Lab File: BF079929.D

Acq: 12 Jun 2015 9:11

Instrument :

BNA_F

ClientSampleId :

FM5

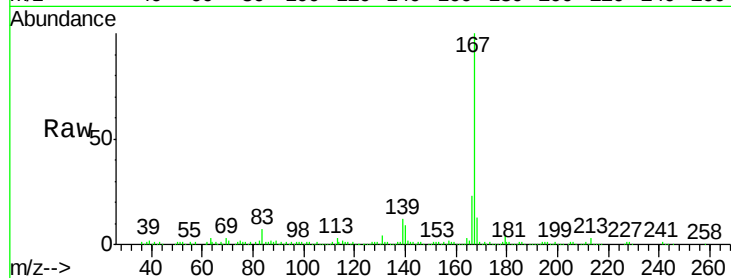
Tot Ion:167 Resp: 203233

Ion Ratio Lower Upper

167 100

166 22.7 17.4 26.2

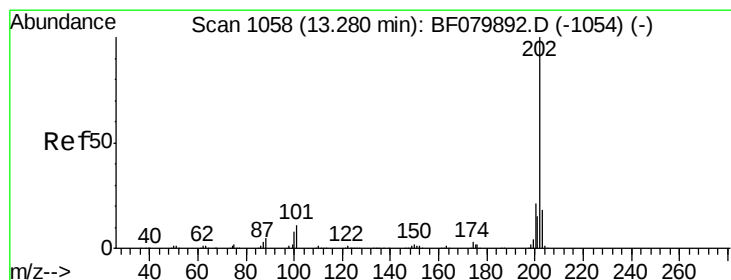
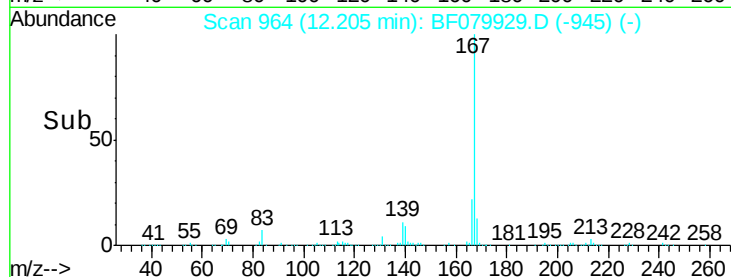
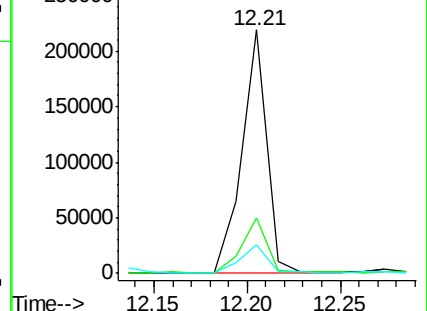
139 11.8 9.5 14.3



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: 84.74 ng

RT: 13.29 min Scan# 1059

Delta R.T. 0.07 min

Lab File: BF079929.D

Acq: 12 Jun 2015 9:11

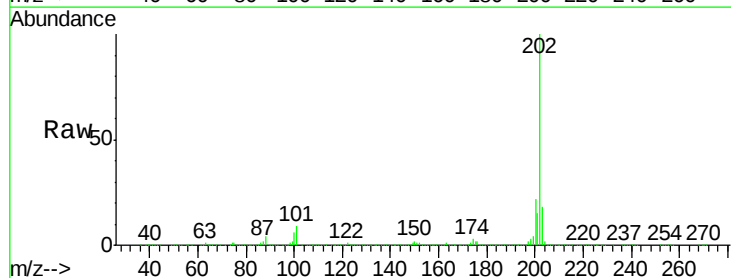
Tgt Ion:202 Resp: 1569348

Ion Ratio Lower Upper

202 100

101 8.6 0.0 30.7

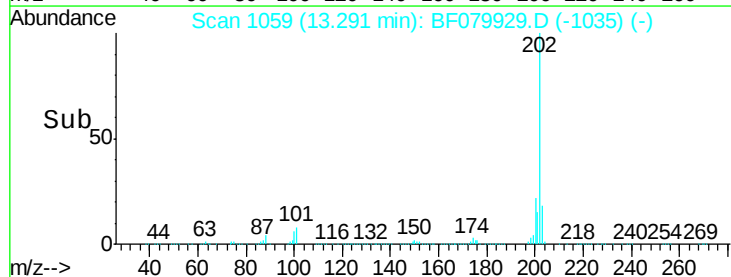
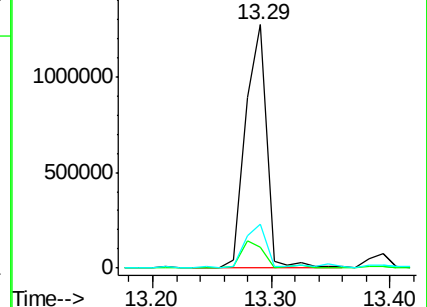
203 18.1 0.0 38.0

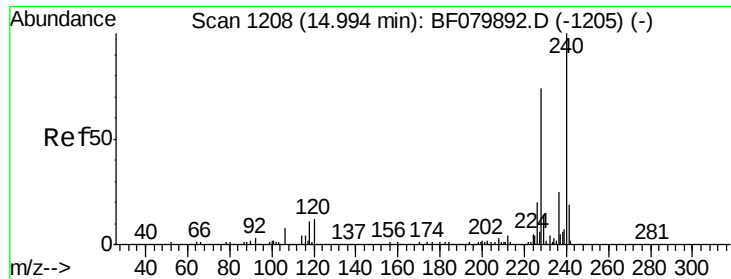


Abundance Ion 202.00 (201.70 to 202.70): E

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: 15.01 min Scan# 1209

Delta R.T. 0.16 min

Lab File: BF079929.D

Acq: 12 Jun 2015 9:11

Instrument :

BNA_F

ClientSampleId :

FM5

Tot Ion:240 Resp: 286548

Ion Ratio Lower Upper

240 100

120 10.5 9.4 14.2

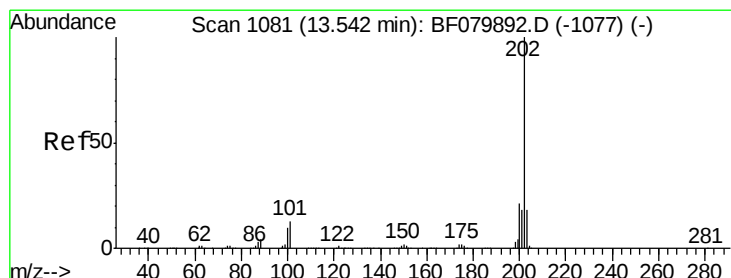
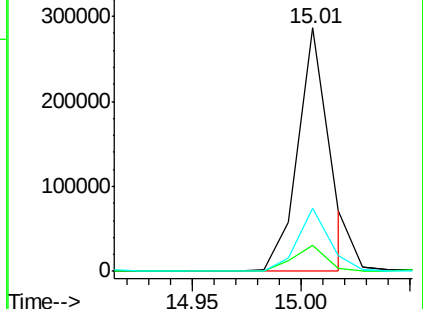
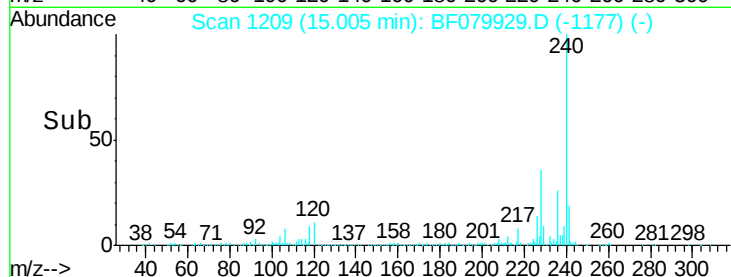
236 26.1 19.6 29.4



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: 73.73 ng

RT: 13.55 min Scan# 1082

Delta R.T. 0.08 min

Lab File: BF079929.D

Acq: 12 Jun 2015 9:11

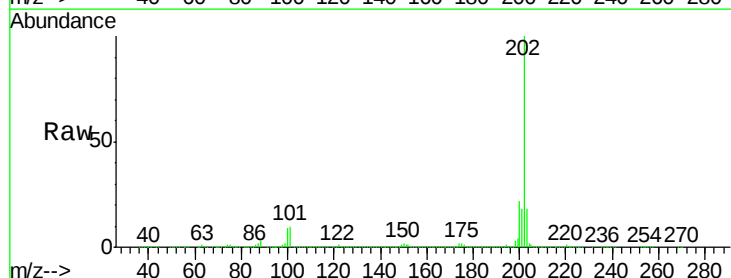
Tgt Ion:202 Resp: 1327005

Ion Ratio Lower Upper

202 100

200 22.0 16.8 25.2

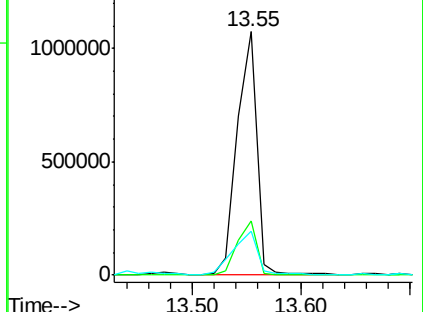
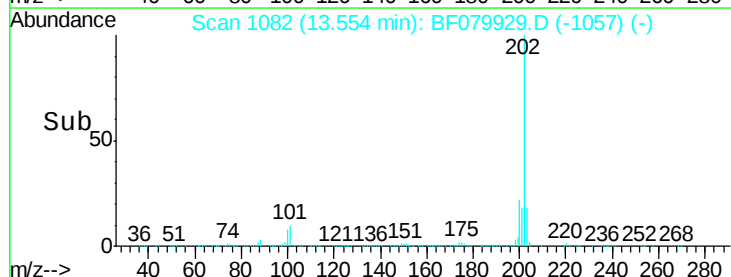
203 18.3 14.4 21.6

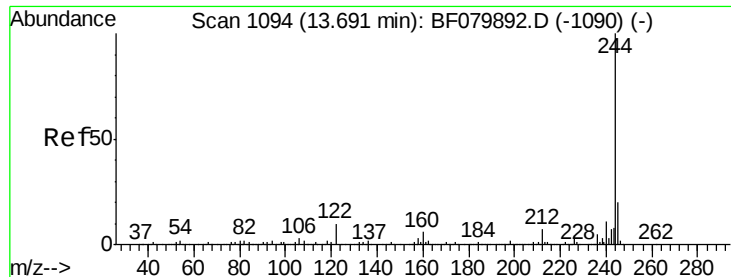


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 23.06 ng

RT: 13.69 min Scan# 1094

Delta R.T. 0.08 min

Lab File: BF079929.D

Acq: 12 Jun 2015 9:11

Instrument :

BNA_F

ClientSampleId :

FM5

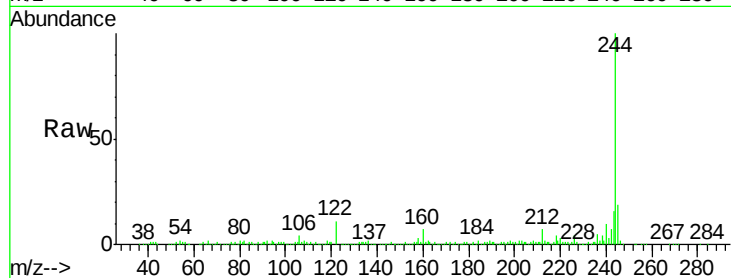
Tot Ion:244 Resp: 286570

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.2

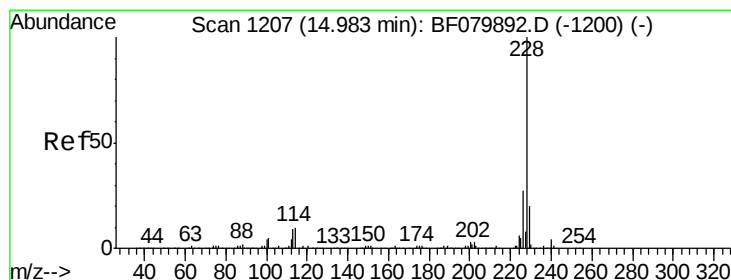
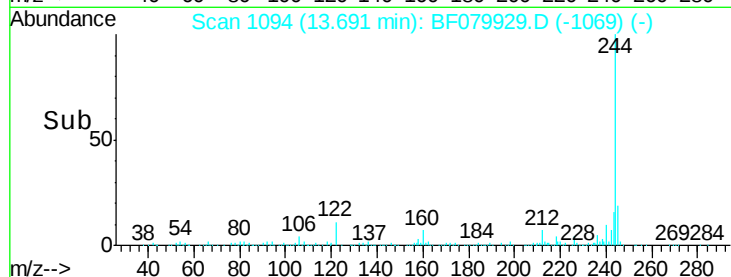
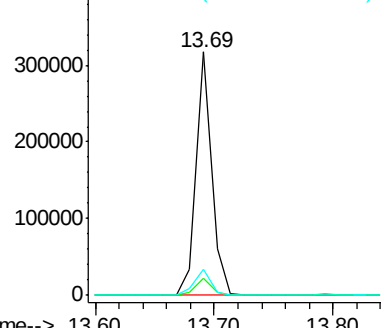
122 10.9 7.8 11.8



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: 36.60 ng

RT: 14.99 min Scan# 1208

Delta R.T. 0.16 min

Lab File: BF079929.D

Acq: 12 Jun 2015 9:11

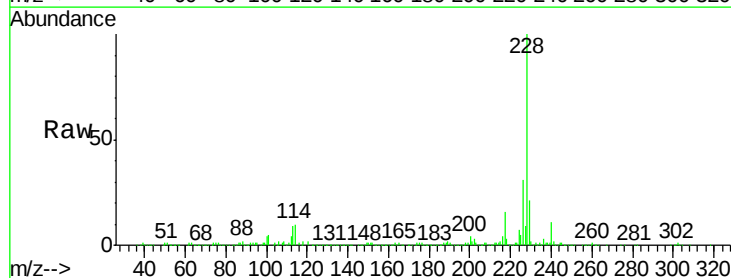
Tgt Ion:228 Resp: 665947

Ion Ratio Lower Upper

228 100

226 31.0 21.8 32.8

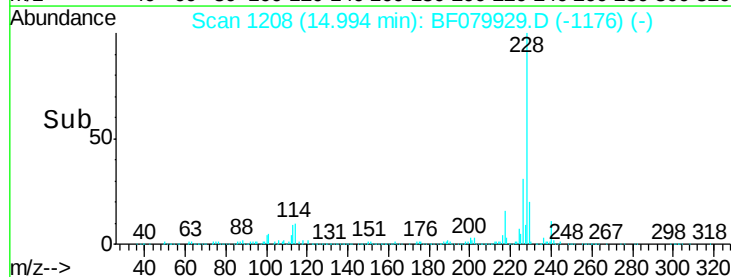
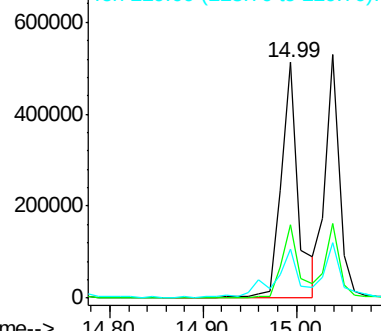
229 20.8 15.9 23.9

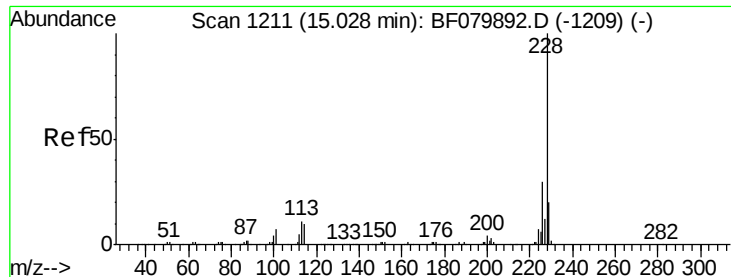


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

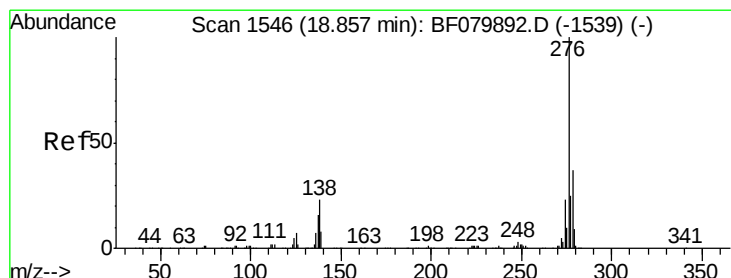
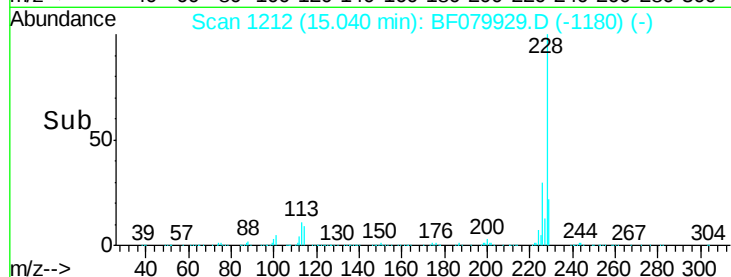
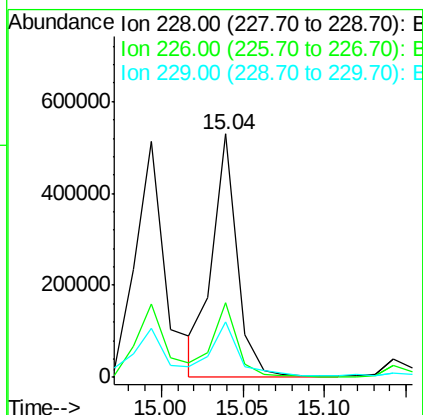
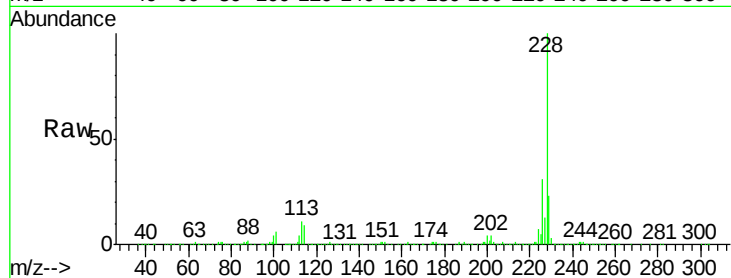




#82
Chrysene
Concen: 34.32 ng
RT: 15.04 min Scan# 1212
Delta R.T. 0.16 min
Lab File: BF079929.D
Acq: 12 Jun 2015 9:11

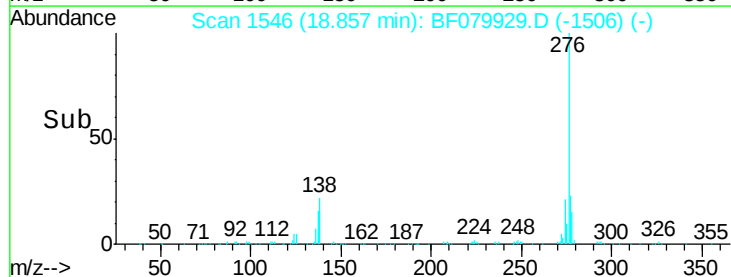
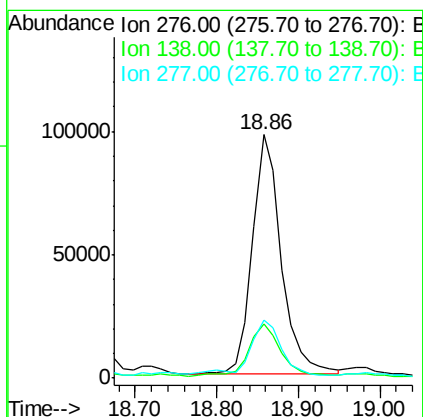
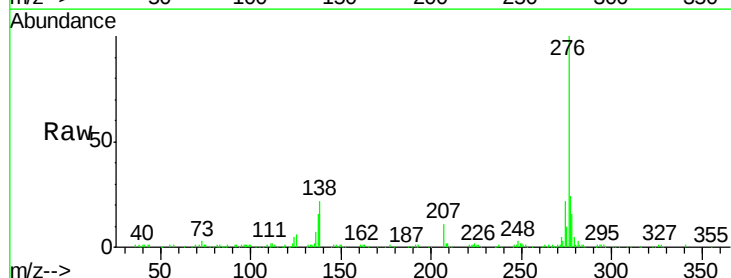
Instrument :
BNA_F
ClientSampleId :
FM5

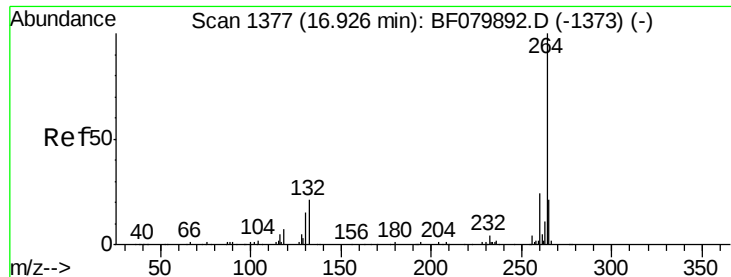
Tot Ion:228 Resp: 556913
Ion Ratio Lower Upper
228 100
226 30.7 23.9 35.9
229 22.7 16.1 24.1



#85
Indeno(1,2,3-cd)pyrene
Concen: 12.56 ng
RT: 18.86 min Scan# 1546
Delta R.T. 0.25 min
Lab File: BF079929.D
Acq: 12 Jun 2015 9:11

Tgt Ion:276 Resp: 239342
Ion Ratio Lower Upper
276 100
138 23.7 21.0 31.4
277 24.4 19.9 29.9

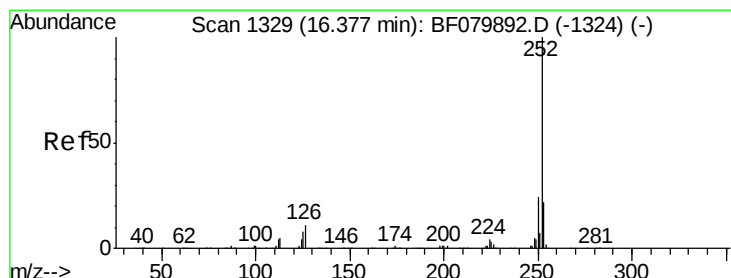
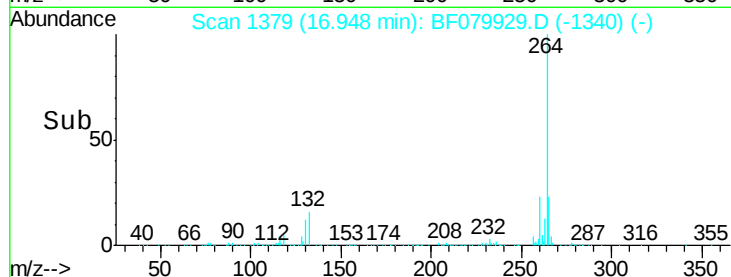
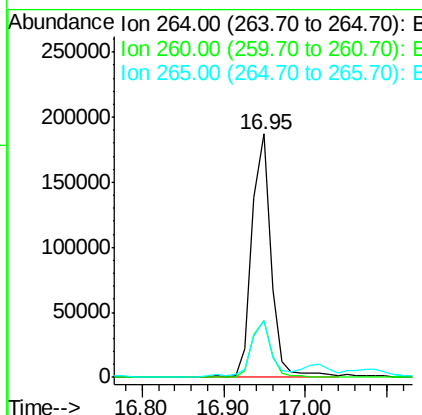
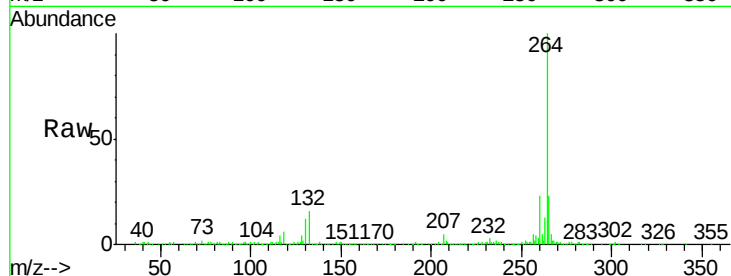




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.95 min Scan# 1379
Delta R.T. 0.24 min
Lab File: BF079929.D
Acq: 12 Jun 2015 9:11

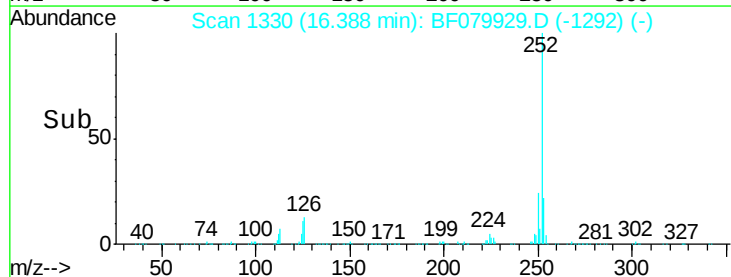
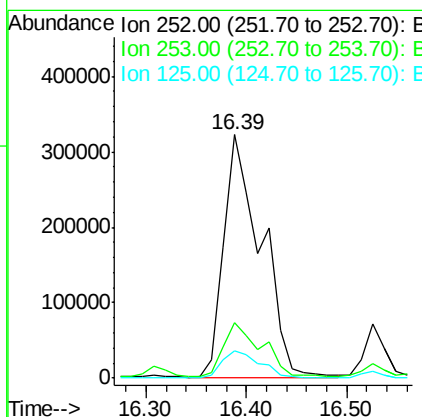
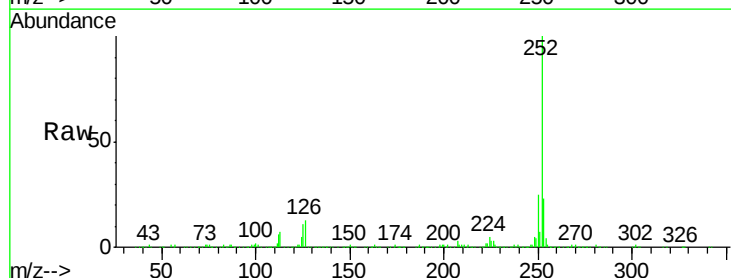
Instrument :
BNA_F
ClientSampleId :
FM5

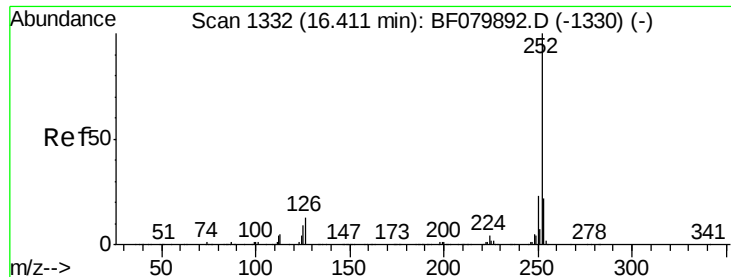
Tot Ion:264 Resp: 308218
Ion Ratio Lower Upper
264 100
260 23.3 19.3 28.9
265 23.4 17.0 25.6



#87
Benzo(b)fluoranthene
Concen: 44.07 ng
RT: 16.39 min Scan# 1330
Delta R.T. 0.23 min
Lab File: BF079929.D
Acq: 12 Jun 2015 9:11

Tgt Ion:252 Resp: 832367
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.6
125 11.2 6.5 9.7#

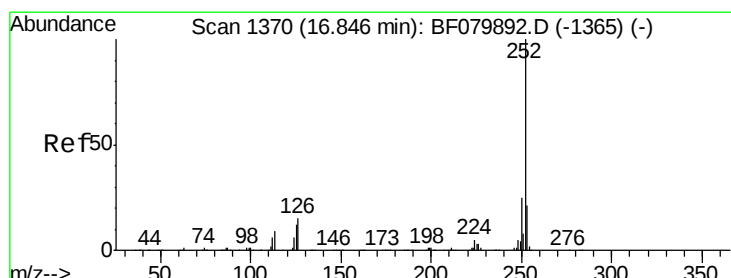
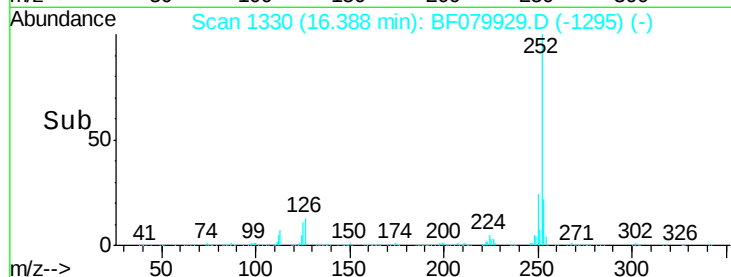
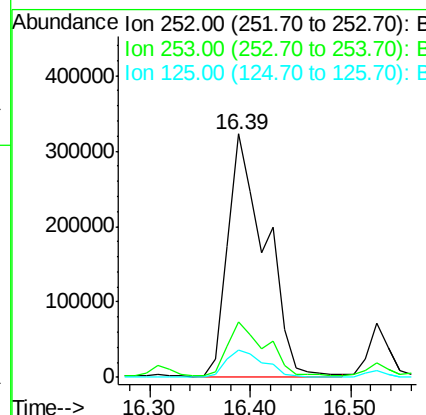
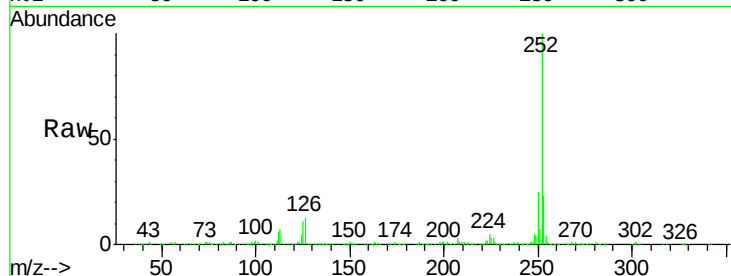




#88
Benzo(k)fluoranthene
Concen: 43.22 ng
RT: 16.39 min Scan# 1330
Delta R.T. 0.19 min
Lab File: BF079929.D
Acq: 12 Jun 2015 9:11

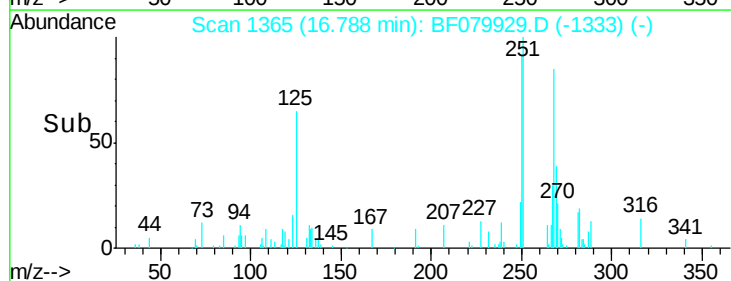
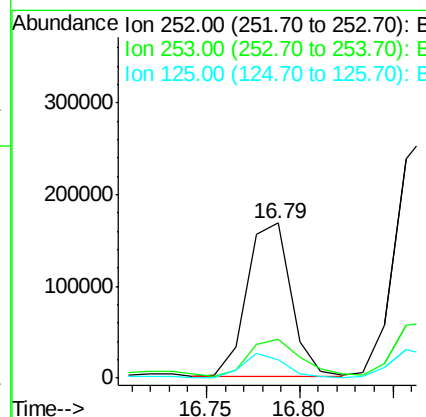
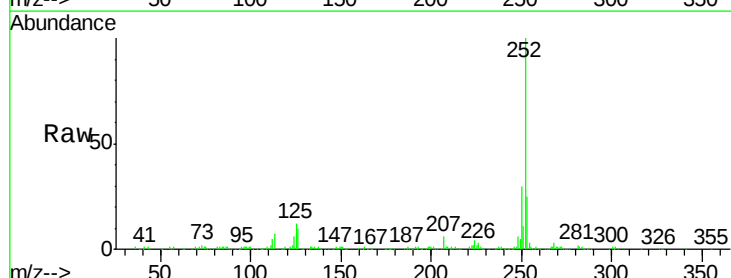
Instrument :
BNA_F
ClientSampleId :
FM5

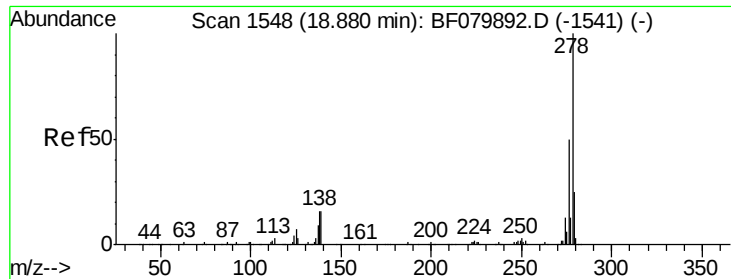
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.2
125	11.2	7.4	11.0



#89
Benzo(a)pyrene
Concen: 15.14 ng
RT: 16.79 min Scan# 1365
Delta R.T. 0.16 min
Lab File: BF079929.D
Acq: 12 Jun 2015 9:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.0	25.6
125	12.2	9.7	14.5





#90

Dibenzo(a,h)anthracene

Concen: 3.77 ng

RT: 18.88 min Scan# 1548

Delta R.T. 0.25 min

Lab File: BF079929.D

Acq: 12 Jun 2015 9:11

Instrument :

BNA_F

ClientSampleId :

FM5

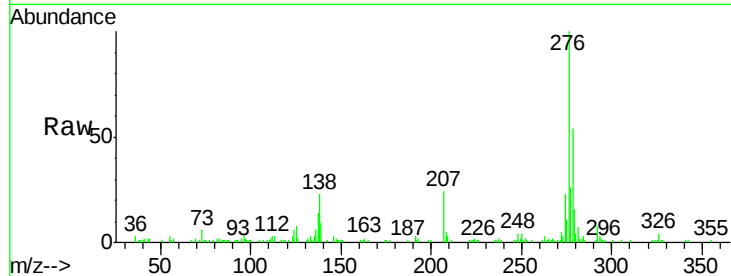
Tot Ion:278 Resp: 66563

Ion Ratio Lower Upper

278 100

139 17.6 12.8 19.2

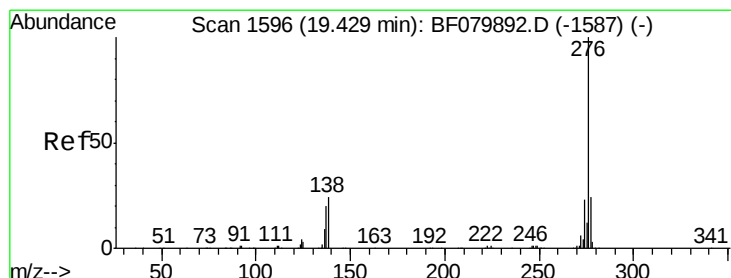
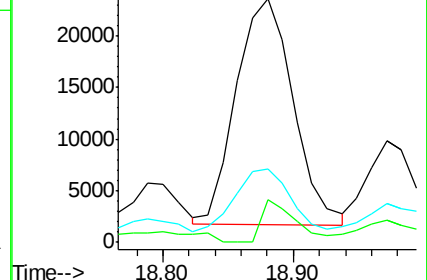
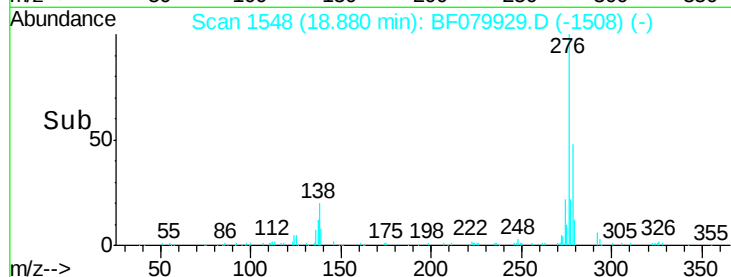
279 30.3 19.7 29.5#



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: 12.01 ng

RT: 19.44 min Scan# 1597

Delta R.T. 0.26 min

Lab File: BF079929.D

Acq: 12 Jun 2015 9:11

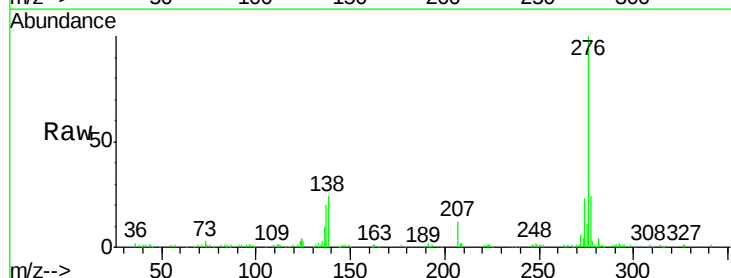
Tgt Ion:276 Resp: 219448

Ion Ratio Lower Upper

276 100

277 24.1 19.4 29.2

138 23.7 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

