

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051215\
 Data File : BF079194.D
 Acq On : 13 May 2015 11:21
 Operator : TP/IZ
 Sample : G2155-06DL 10X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 13 13:28:13 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 13 13:12:37 2015
 Response via : Initial Calibration

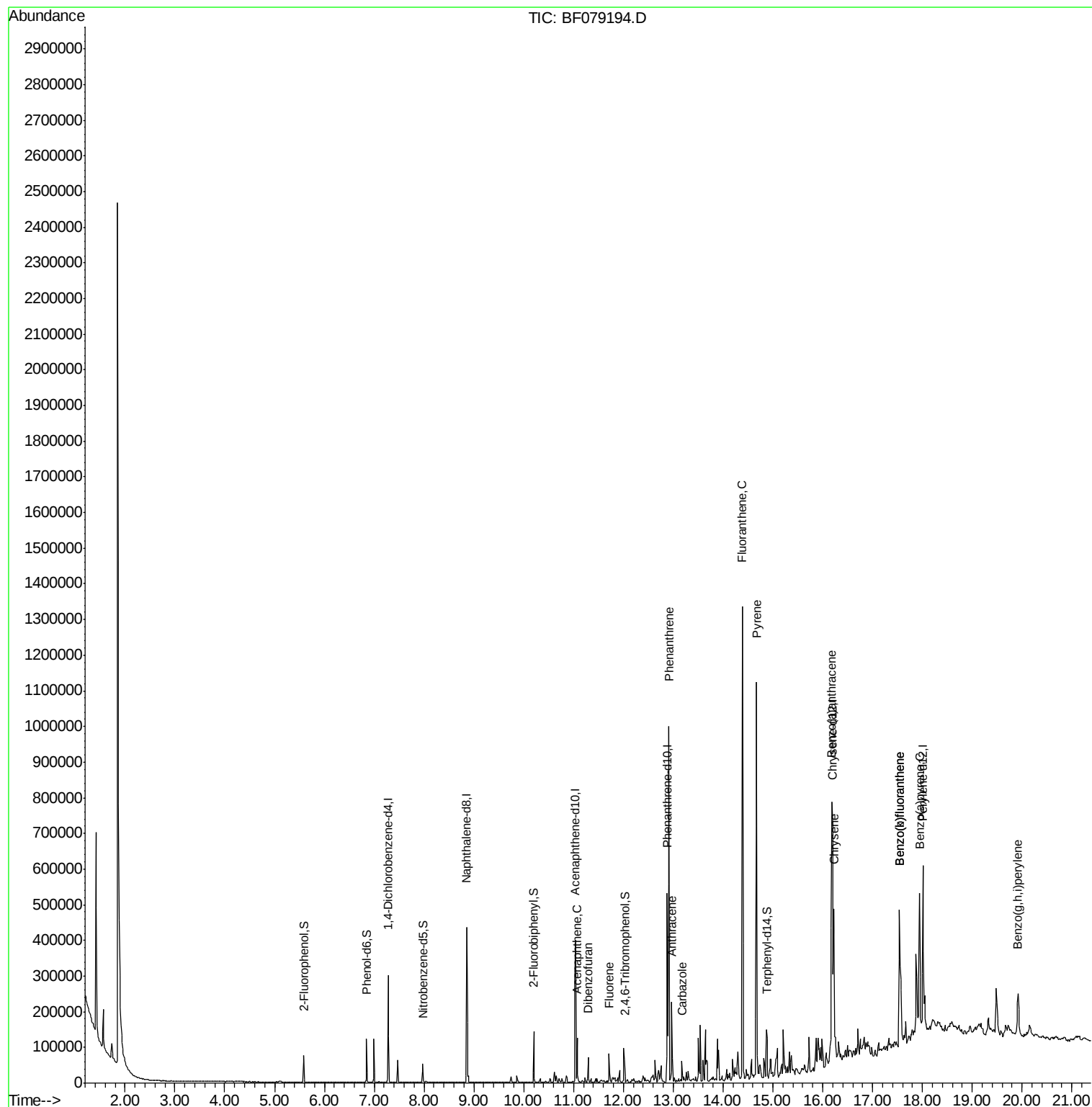
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.28	152	51488	20.00	ng	0.00
21) Naphthalene-d8	8.86	136	213001	20.00	ng	0.00
38) Acenaphthene-d10	11.04	164	104886	20.00	ng	0.00
63) Phenanthrene-d10	12.88	188	199176	20.00	ng	0.00
75) Chrysene-d12	16.19	240	219717	20.00	ng	0.02
86) Perylene-d12	18.01	264	210746	20.00	ng	0.14
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	29739	9.94	ng	0.00
7) Phenol-d6	6.84	99	42888	10.85	ng	0.00
23) Nitrobenzene-d5	7.98	82	21551	5.81	ng	0.00
41) 2,4,6-Tribromophenol	12.02	330	9745	8.59	ng	0.00
44) 2-Fluorobiphenyl	10.20	172	45408	6.03	ng	0.00
78) Terphenyl-d14	14.88	244	50013	5.45	ng	0.00
Target Compounds						Qvalue
51) Acenaphthene	11.07	154	28319	4.45	ng	94
54) Dibenzofuran	11.29	168	25606	2.78	ng	96
57) Fluorene	11.71	166	22079	2.92	ng	96
70) Phenanthrene	12.91	178	464280	41.67	ng	99
71) Anthracene	12.97	178	92489	8.46	ng	99
72) Carbazole	13.18	167	23816	2.29	ng	98
74) Fluoranthene	14.39	202	564198	48.59	ng	99
77) Pyrene	14.67	202	536729	42.39	ng	99
80) Benzo(a)anthracene	16.18	228	225994	18.78	ng	99
82) Chrysene	16.23	228	191436	16.54	ng	97
87) Benzo(b)fluoranthene	17.54	252	317675	27.54	ng	99
88) Benzo(k)fluoranthene	17.54	252	254500	22.79	ng	99
89) Benzo(a)pyrene	17.94	252	167130	15.74	ng	# 94
91) Benzo(a,h,i)perylene	19.92	276	96859	8.56	ng	97

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

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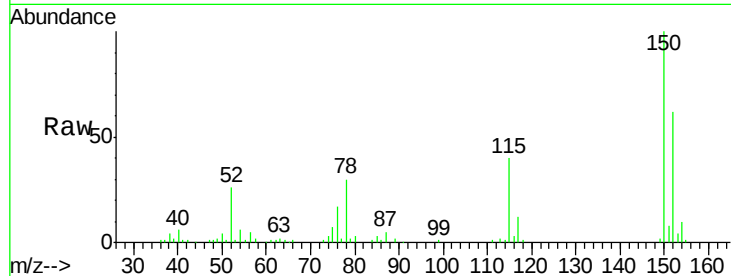




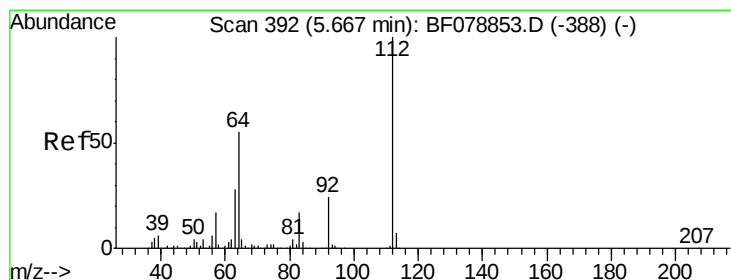
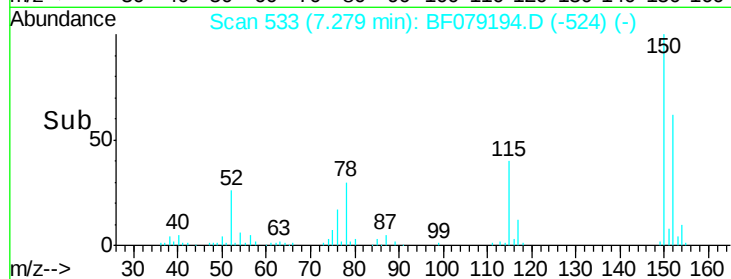
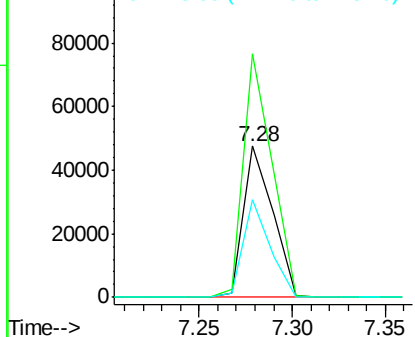
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.28 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: BF079194.D
 Acq: 13 May 2015 11:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 51488
 Ion Ratio Lower Upper
 152 100
 150 160.8 122.0 183.0
 115 64.6 46.3 69.5

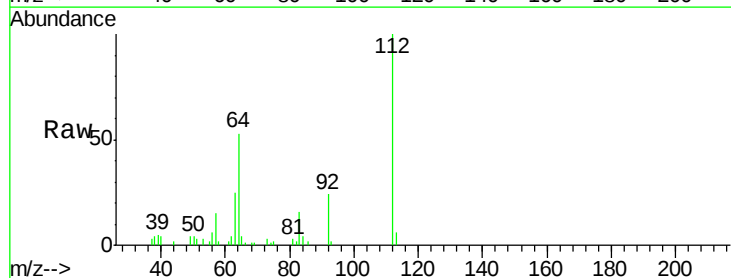


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

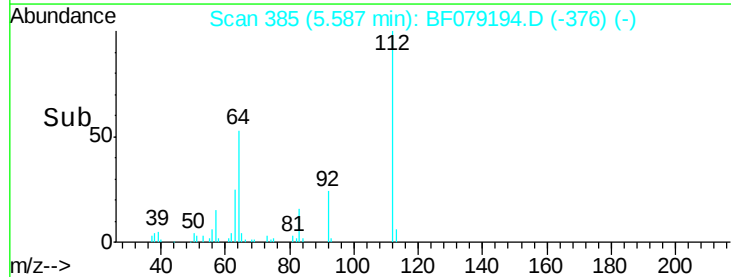
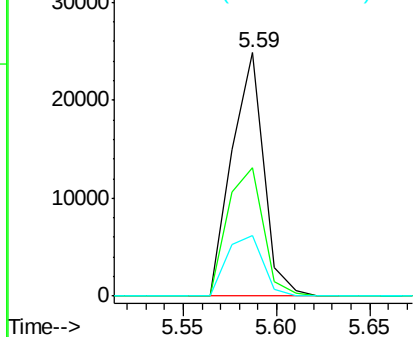


#5
 2-Fluorophenol
 Concen: 9.94 ng
 RT: 5.59 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: BF079194.D
 Acq: 13 May 2015 11:21

Tgt Ion:112 Resp: 29739
 Ion Ratio Lower Upper
 112 100
 64 52.7 53.5 80.3#
 63 25.0 27.5 41.3#



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: 10.85 ng

RT: 6.84 min Scan# 495

Delta R.T. 0.00 min

Lab File: BF079194.D

Acq: 13 May 2015 11:21

Instrument :

BNA_F

ClientSampleId :

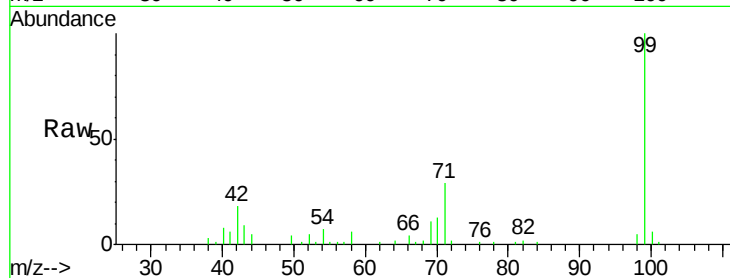
Tot Ion: 99 Resp: 42888

Ion Ratio Lower Upper

99 100

42 17.7 12.8 19.2

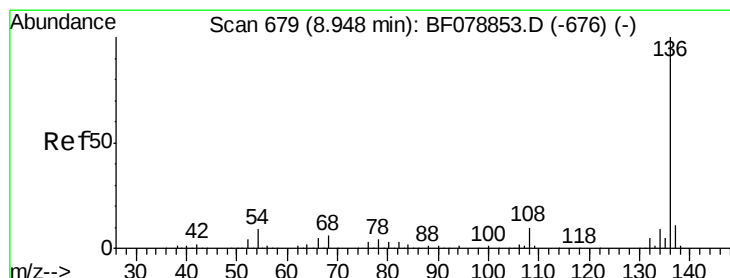
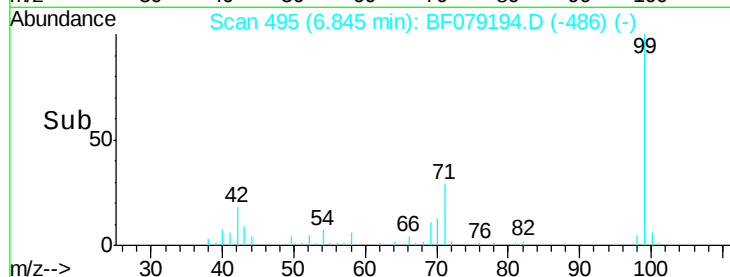
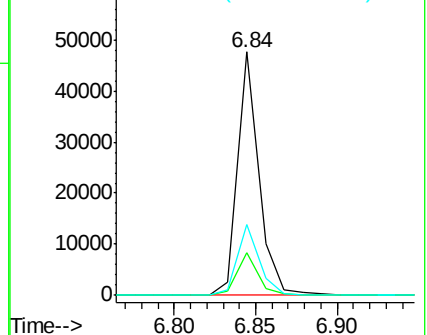
71 29.2 23.4 35.2



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: 8.86 min Scan# 671

Delta R.T. 0.00 min

Lab File: BF079194.D

Acq: 13 May 2015 11:21

Tgt Ion: 136 Resp: 213001

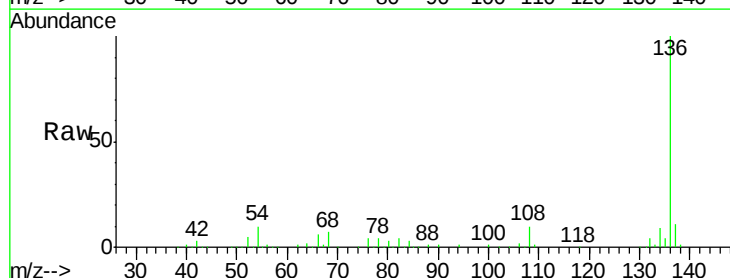
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 10.0 5.8 8.8#

68 7.1 4.2 6.4#

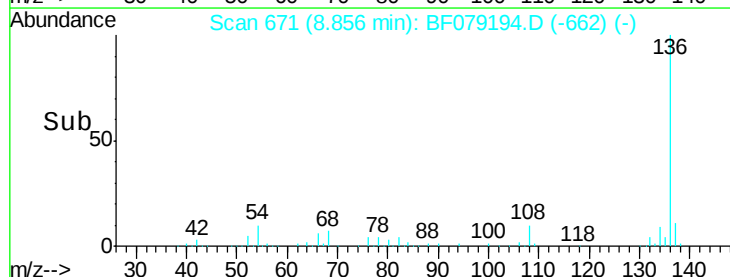
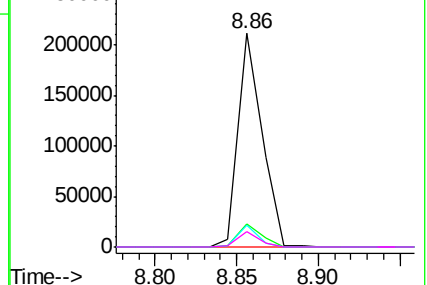


Abundance Ion 136.00 (135.70 to 136.70): E

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: 5.81 ng

RT: 7.98 min Scan# 594

Delta R.T. 0.00 min

Lab File: BF079194.D

Acq: 13 May 2015 11:21

Instrument :

BNA_F

ClientSampled :

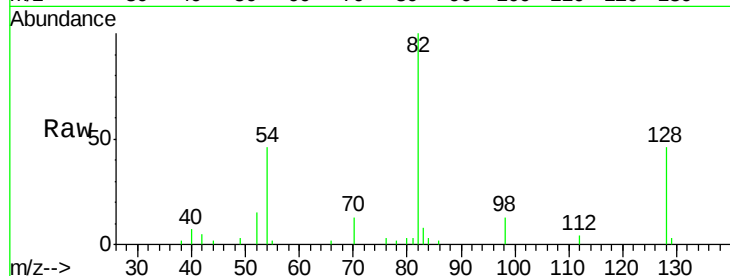
Tot Ion: 82 Resp: 21551

Ion Ratio Lower Upper

82 100

128 45.7 30.0 45.0#

54 46.3 46.4 69.6#

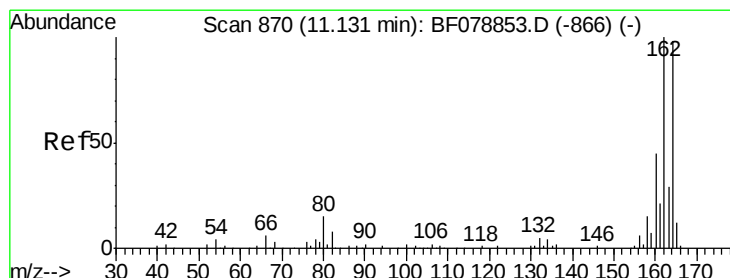
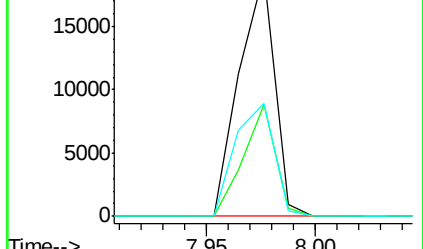
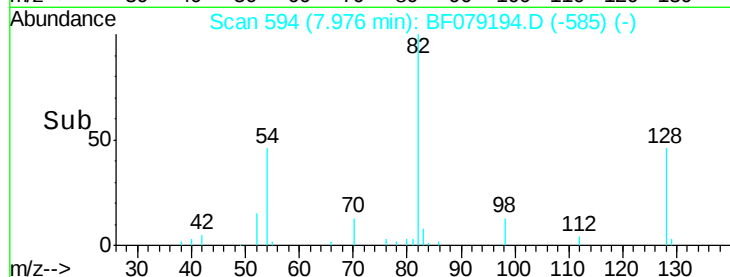


Abundance Ion 82.00 (81.70 to 82.70): BF078853.D (-599) (-)

Ion 128.00 (127.70 to 128.70): BF078853.D (-599) (-)

Ion 54.00 (53.70 to 54.70): BF078853.D (-599) (-)

Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 11.04 min Scan# 862

Delta R.T. 0.00 min

Lab File: BF079194.D

Acq: 13 May 2015 11:21

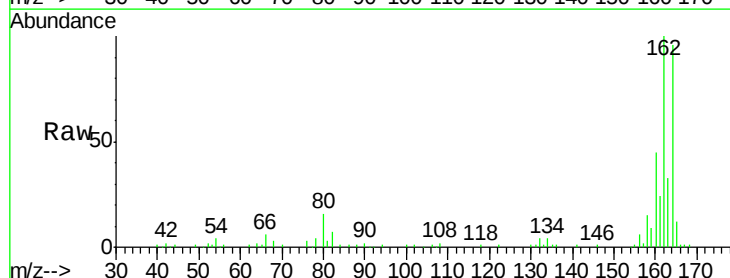
Tgt Ion:164 Resp: 104886

Ion Ratio Lower Upper

164 100

162 103.7 82.7 124.1

160 46.5 35.8 53.8

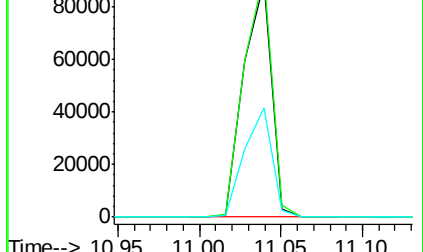
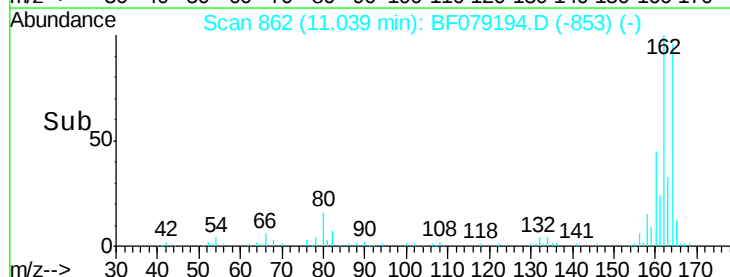


Abundance Ion 164.00 (163.70 to 164.70): BF078853.D (-866) (-)

Ion 162.00 (161.70 to 162.70): BF078853.D (-866) (-)

Ion 160.00 (159.70 to 160.70): BF078853.D (-866) (-)

Time-->

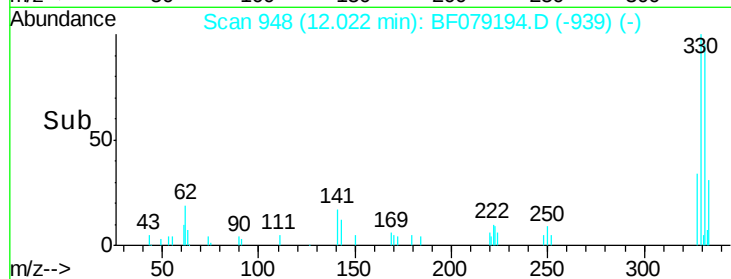
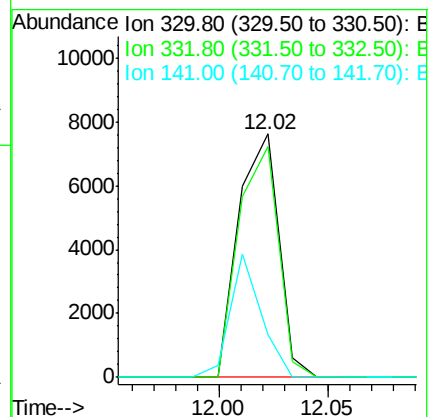
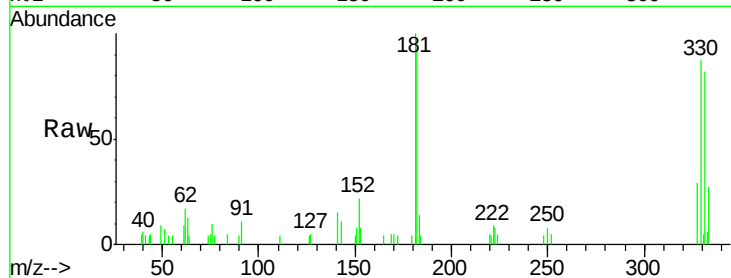




#41
 2,4,6-Tribromophenol
 Concen: 8.59 ng
 RT: 12.02 min Scan# 948
 Delta R.T. 0.00 min
 Lab File: BF079194.D
 Acq: 13 May 2015 11:21

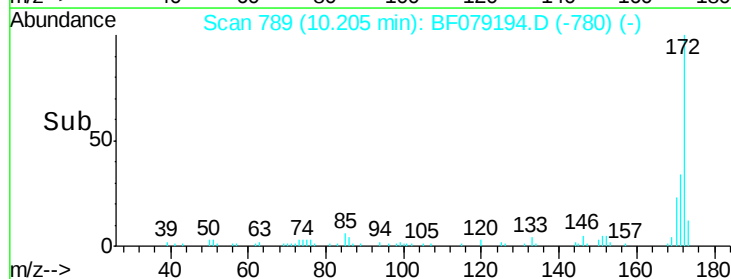
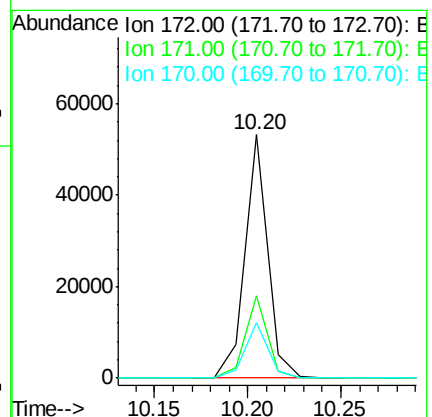
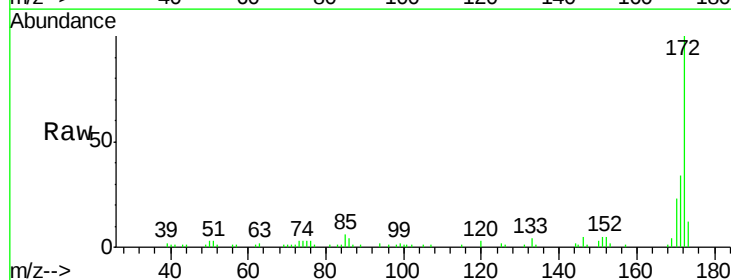
Instrument :
 BNA_F
 ClientSampled :

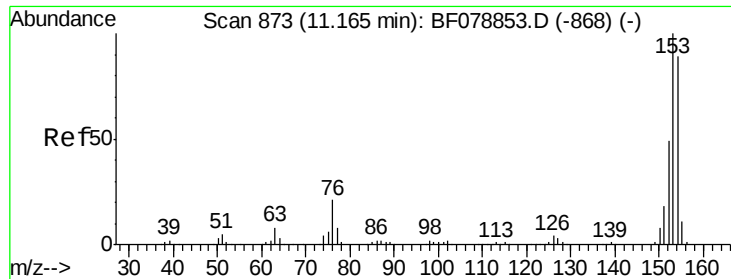
Tot Ion:330 Resp: 9745
 Ion Ratio Lower Upper
 330 100
 332 94.4 0.0 0.0#
 141 39.2 0.0 0.0#



#44
 2-Fluorobiphenyl
 Concen: 6.03 ng
 RT: 10.20 min Scan# 789
 Delta R.T. 0.00 min
 Lab File: BF079194.D
 Acq: 13 May 2015 11:21

Tgt Ion:172 Resp: 45408
 Ion Ratio Lower Upper
 172 100
 171 33.9 27.9 41.9
 170 23.0 19.4 29.0





#51

Acenaphthene

Concen: 4.45 ng

RT: 11.07 min Scan# 865

Delta R.T. 0.00 min

Lab File: BF079194.D

Acq: 13 May 2015 11:21

Instrument :

BNA_F

ClientSampleId :

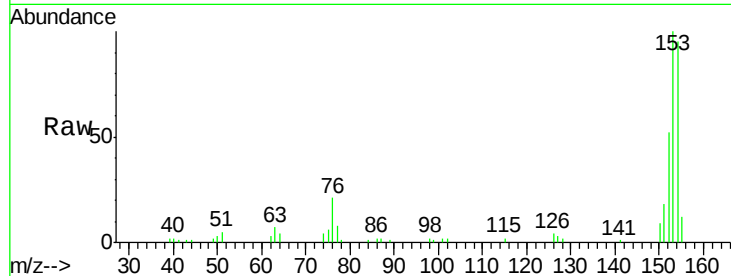
Tot Ion:154 Resp: 28319

Ion Ratio Lower Upper

154 100

153 105.5 91.5 137.3

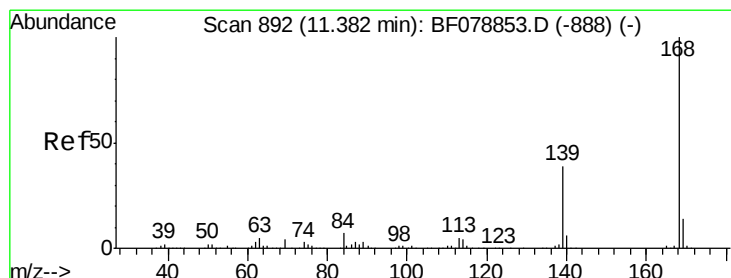
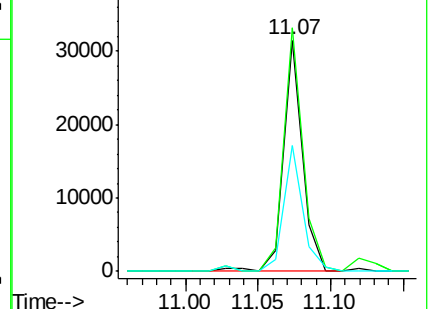
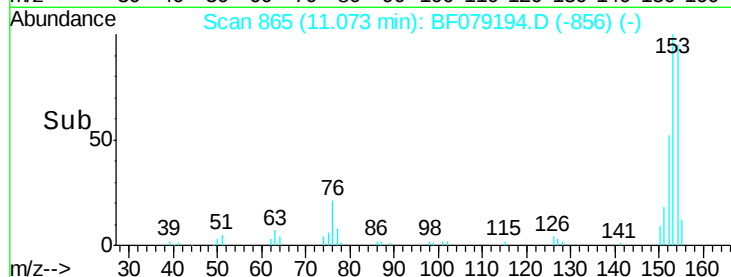
152 54.5 44.2 66.4



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

Dibenzofuran

Concen: 2.78 ng

RT: 11.29 min Scan# 884

Delta R.T. 0.00 min

Lab File: BF079194.D

Acq: 13 May 2015 11:21

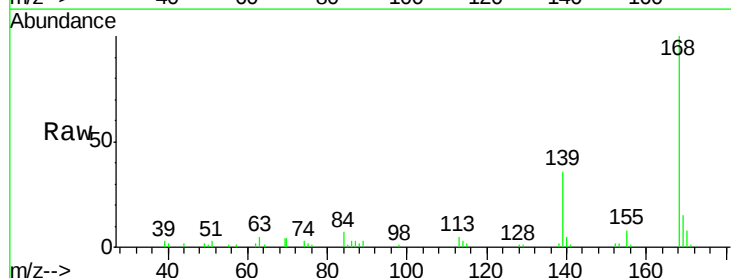
Tgt Ion:168 Resp: 25606

Ion Ratio Lower Upper

168 100

139 36.1 31.0 46.4

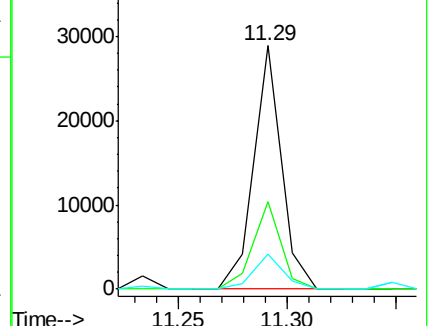
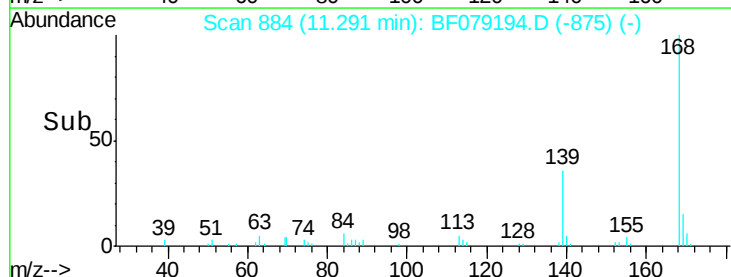
169 14.5 10.6 16.0

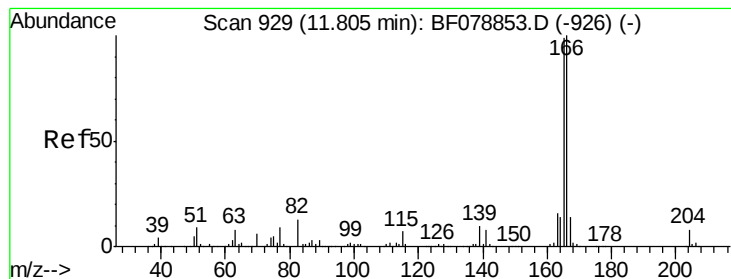


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 2.92 ng

RT: 11.71 min Scan# 921

Delta R.T. 0.00 min

Lab File: BF079194.D

Acq: 13 May 2015 11:21

Instrument :

BNA_F

ClientSampleId :

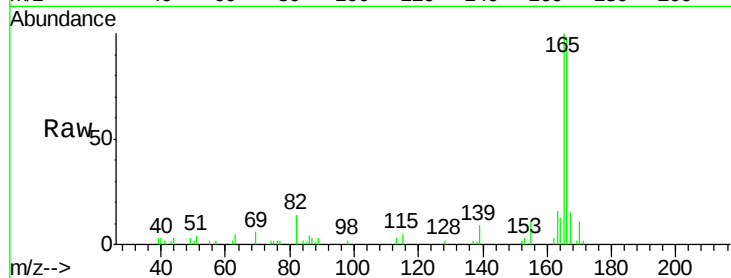
Tot Ion:166 Resp: 22079

Ion Ratio Lower Upper

166 100

165 102.4 78.5 117.7

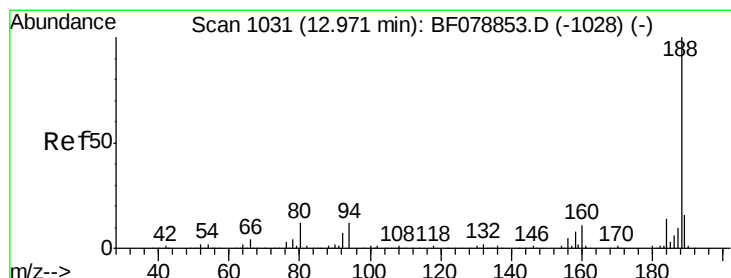
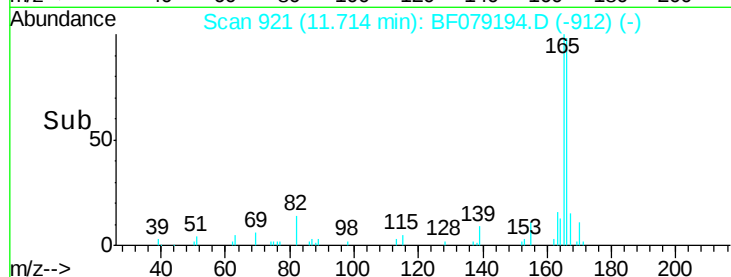
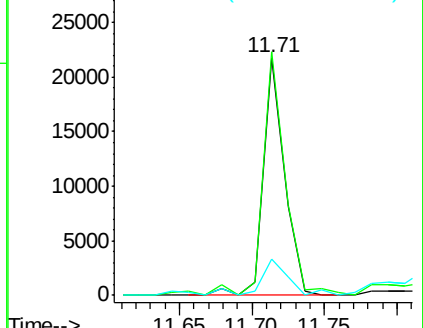
167 15.4 11.0 16.6



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: 12.88 min Scan# 1023

Delta R.T. 0.00 min

Lab File: BF079194.D

Acq: 13 May 2015 11:21

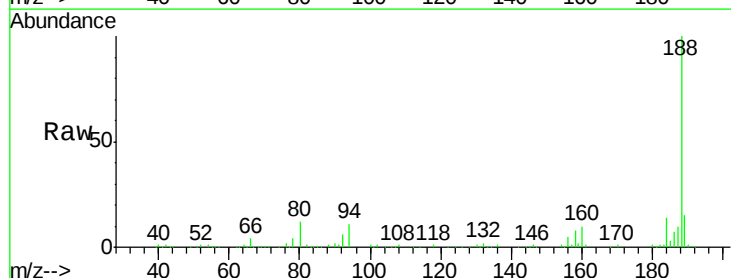
Tgt Ion:188 Resp: 199176

Ion Ratio Lower Upper

188 100

94 10.6 8.2 12.2

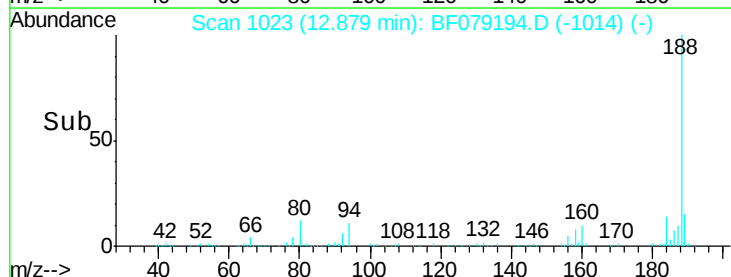
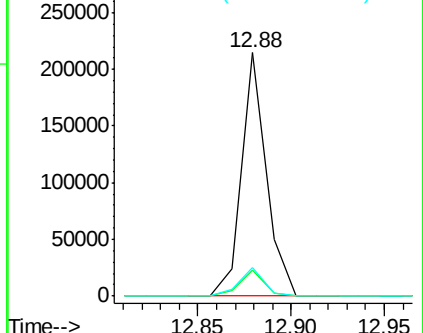
80 11.7 8.9 13.3

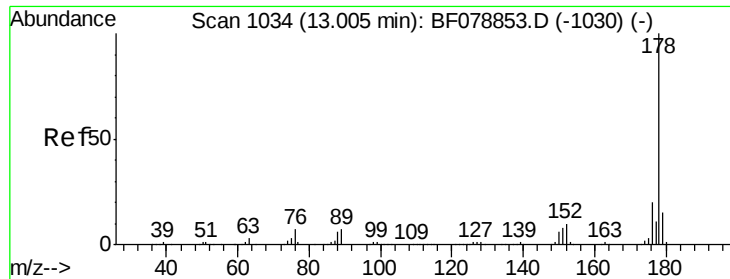


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

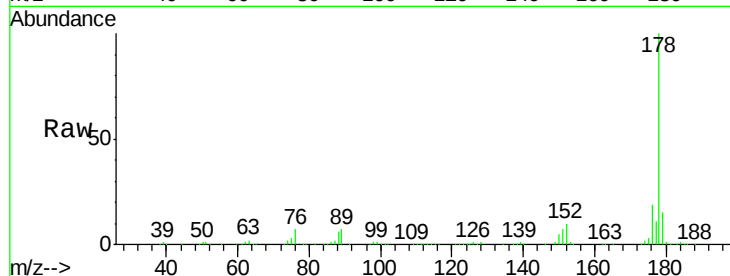




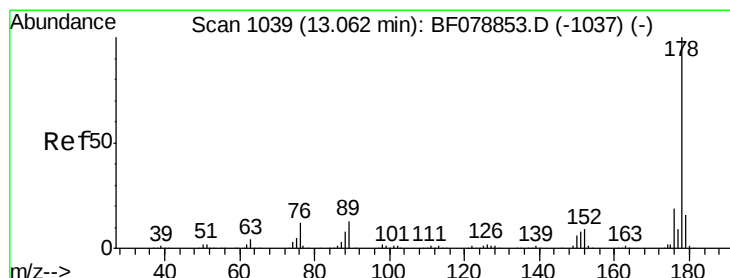
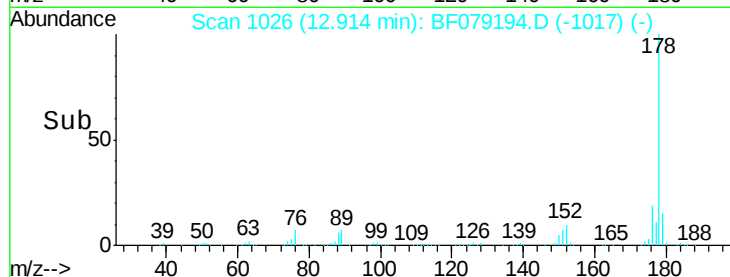
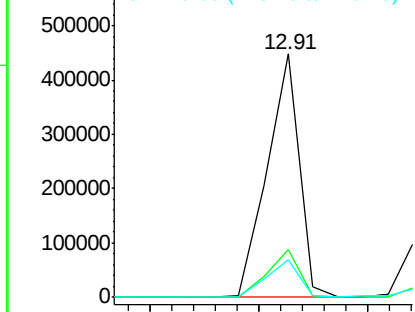
#70
Phenanthrene
Concen: 41.67 ng
RT: 12.91 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BF079194.D
Acq: 13 May 2015 11:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 464280
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 15.2 12.5 18.7

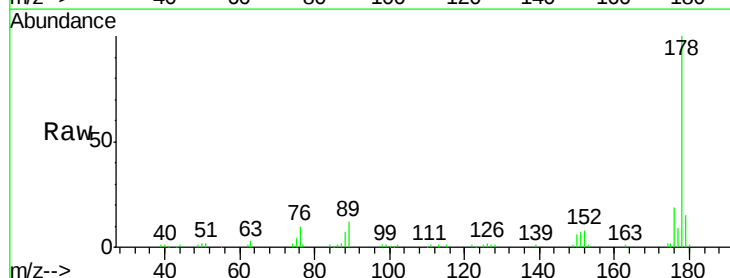


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

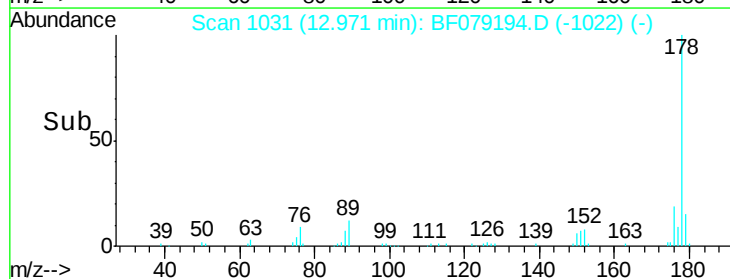
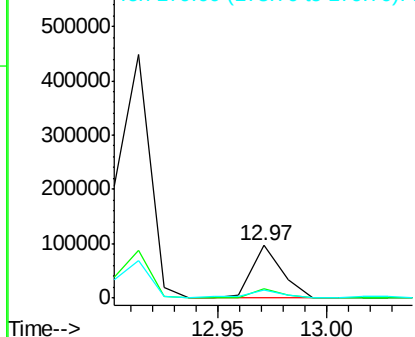


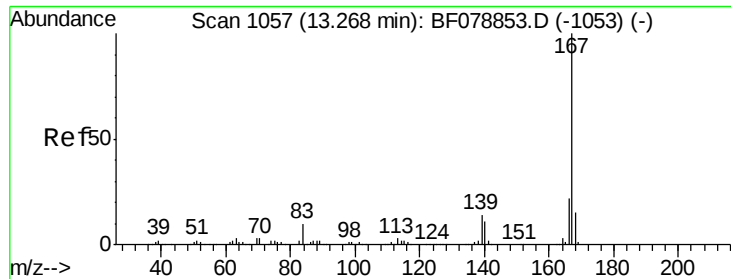
#71
Anthracene
Concen: 8.46 ng
RT: 12.97 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BF079194.D
Acq: 13 May 2015 11:21

Tgt Ion:178 Resp: 92489
Ion Ratio Lower Upper
178 100
176 18.7 15.5 23.3
179 15.4 12.7 19.1



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

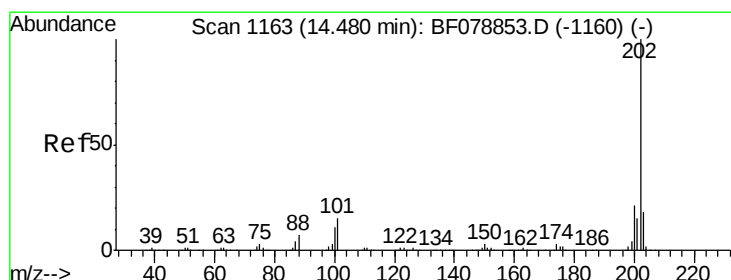
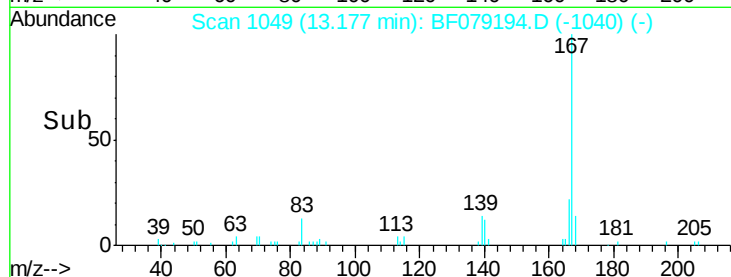
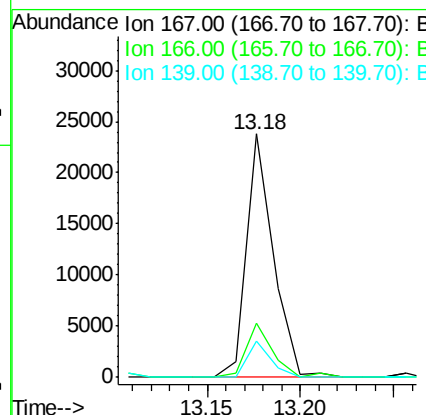
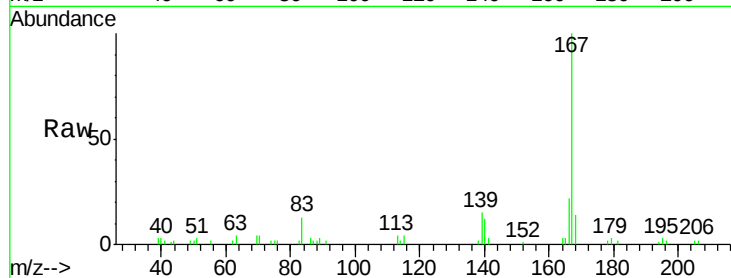




#72
 Carbazole
 Concen: 2.29 ng
 RT: 13.18 min Scan# 1049
 Delta R.T. 0.00 min
 Lab File: BF079194.D
 Acq: 13 May 2015 11:21

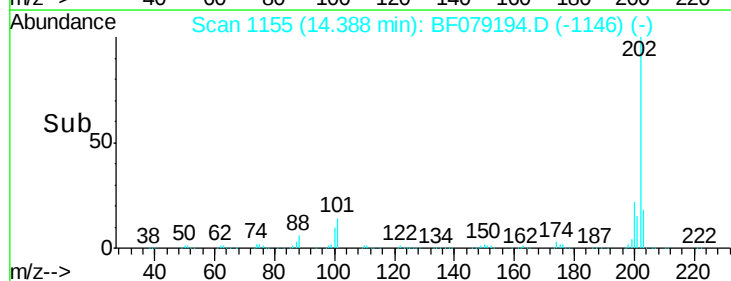
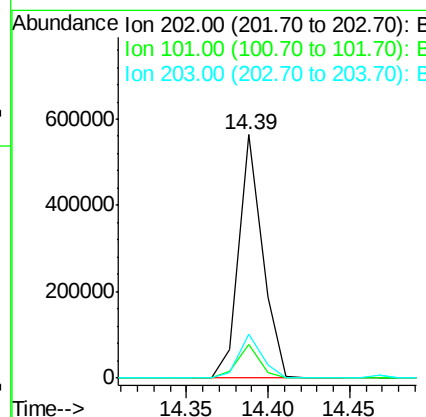
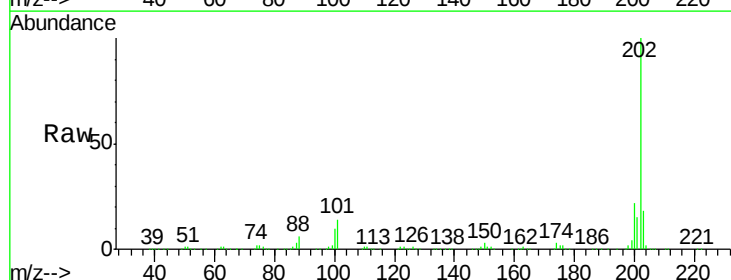
Instrument :
 BNA_F
 ClientSampleId :

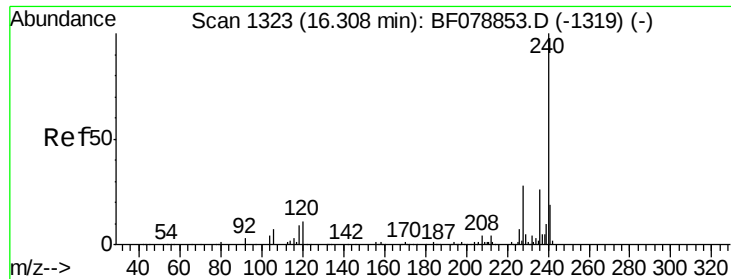
Tot Ion:167 Resp: 23816
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.8 26.8
 139 15.2 10.6 16.0



#74
 Fluoranthene
 Concen: 48.59 ng
 RT: 14.39 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: BF079194.D
 Acq: 13 May 2015 11:21

Tgt Ion:202 Resp: 564198
 Ion Ratio Lower Upper
 202 100
 101 13.6 0.0 34.6
 203 18.1 0.0 38.4

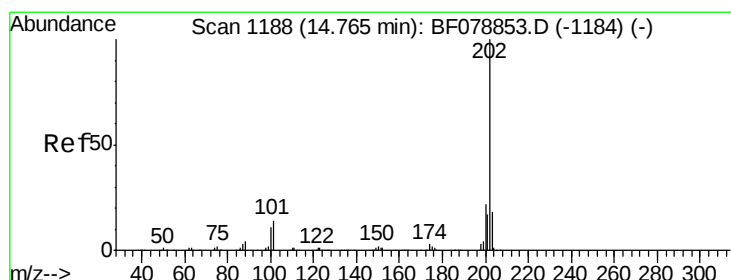
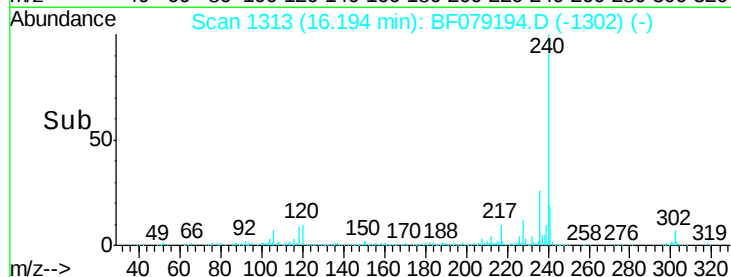
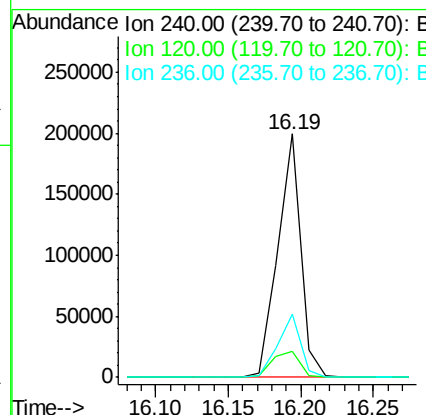
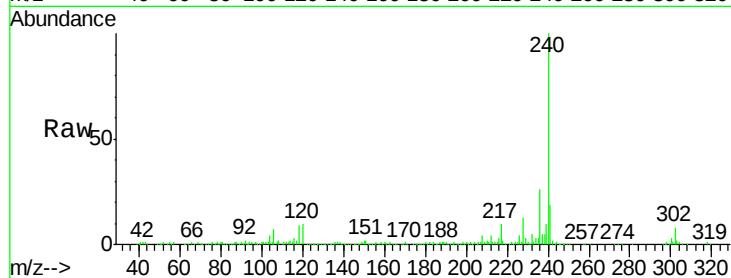




#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.19 min Scan# 1313
Delta R.T. 0.02 min
Lab File: BF079194.D
Acq: 13 May 2015 11:21

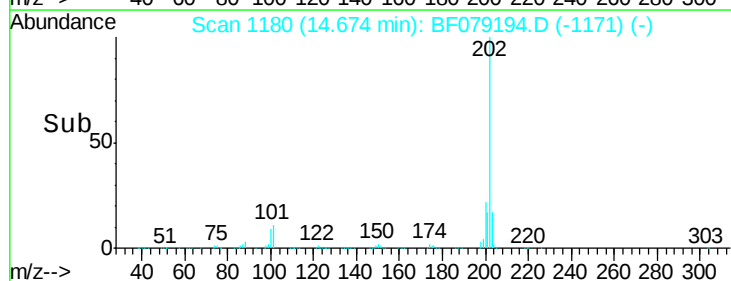
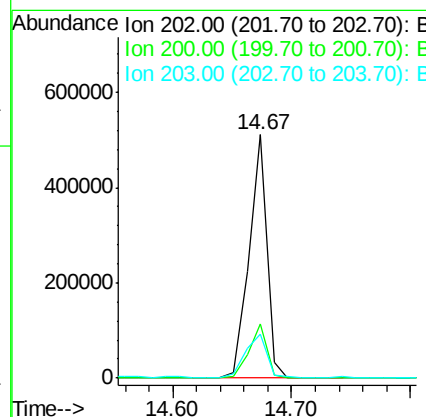
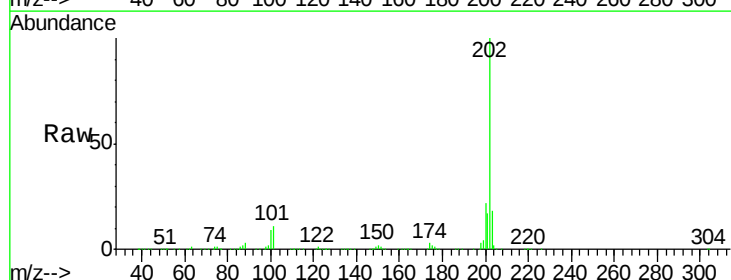
Instrument :
BNA_F
ClientSampleId :

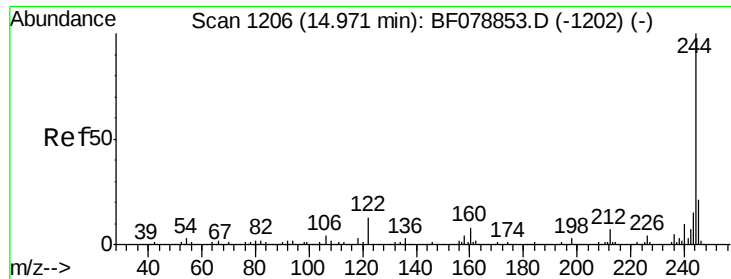
Tot Ion:240 Resp: 219717
Ion Ratio Lower Upper
240 100
120 10.5 9.7 14.5
236 26.1 20.2 30.4



#77
Pyrene
Concen: 42.39 ng
RT: 14.67 min Scan# 1180
Delta R.T. 0.00 min
Lab File: BF079194.D
Acq: 13 May 2015 11:21

Tgt Ion:202 Resp: 536729
Ion Ratio Lower Upper
202 100
200 22.2 17.5 26.3
203 17.8 13.9 20.9

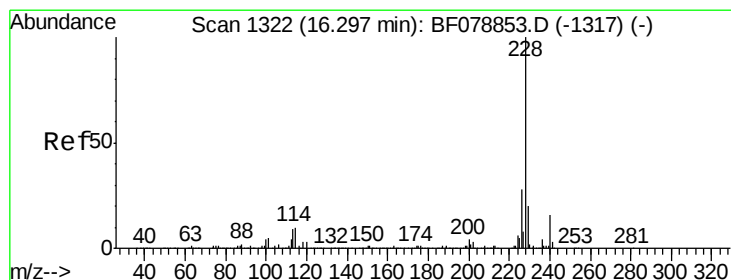
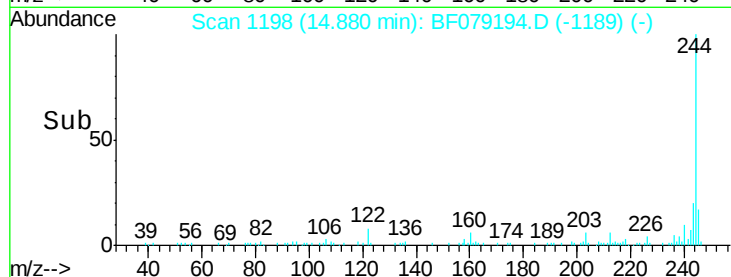
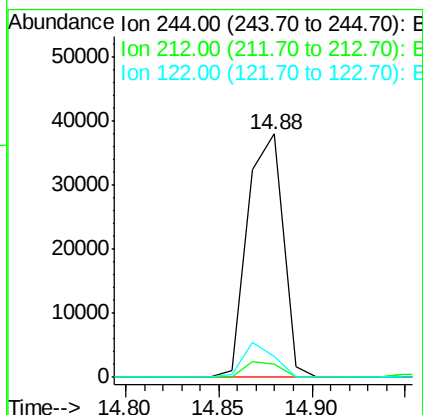
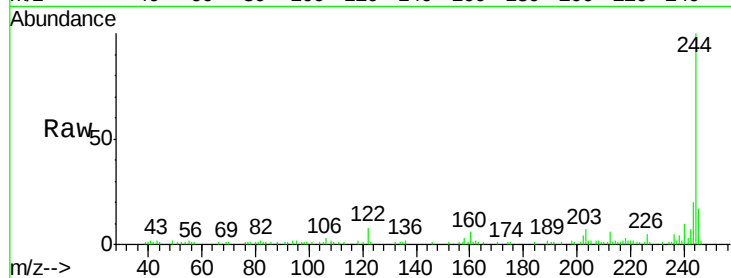




#78
 Terphenyl-d14
 Concen: 5.45 ng
 RT: 14.88 min Scan# 1198
 Delta R.T. 0.00 min
 Lab File: BF079194.D
 Acq: 13 May 2015 11:21

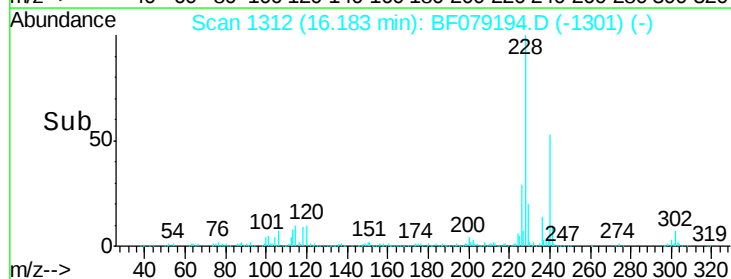
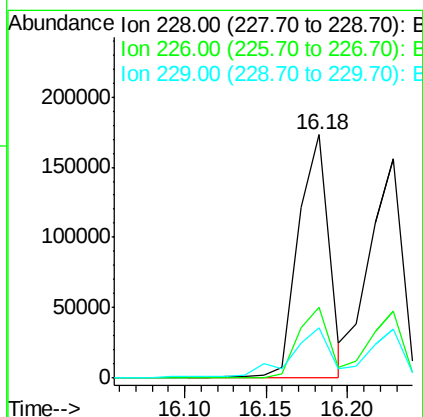
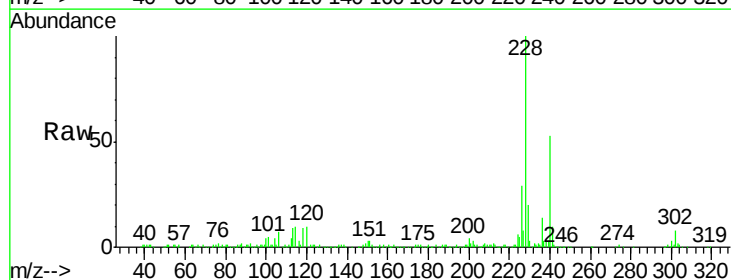
Instrument :
 BNA_F
 ClientSampleId :

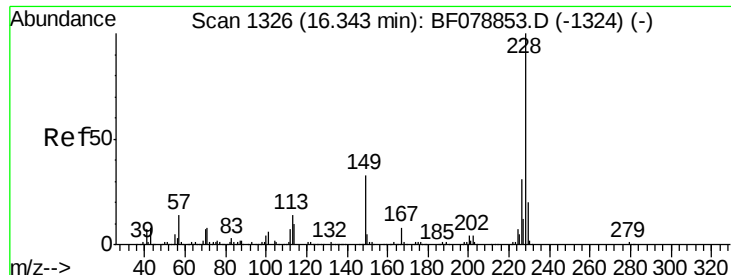
Tot Ion:244 Resp: 50013
 Ion Ratio Lower Upper
 244 100
 212 5.7 5.6 8.4
 122 8.5 10.3 15.5#



#80
 Benzo(a)anthracene
 Concen: 18.78 ng
 RT: 16.18 min Scan# 1312
 Delta R.T. 0.02 min
 Lab File: BF079194.D
 Acq: 13 May 2015 11:21

Tgt Ion:228 Resp: 225994
 Ion Ratio Lower Upper
 228 100
 226 28.9 22.6 33.8
 229 20.5 15.9 23.9





#82

Chrysene

Concen: 16.54 ng

RT: 16.23 min Scan# 1316

Delta R.T. 0.02 min

Lab File: BF079194.D

Acq: 13 May 2015 11:21

Instrument :

BNA_F

ClientSampleId :

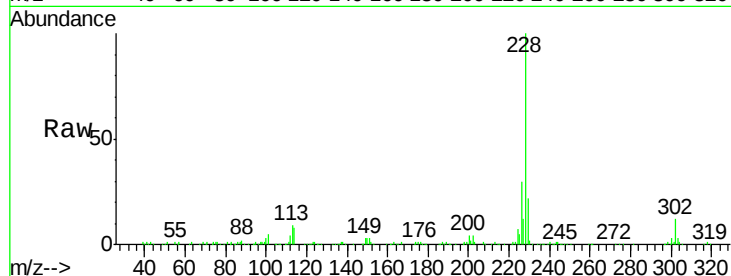
Tot Ion:228 Resp: 191436

Ion Ratio Lower Upper

228 100

226 30.4 24.9 37.3

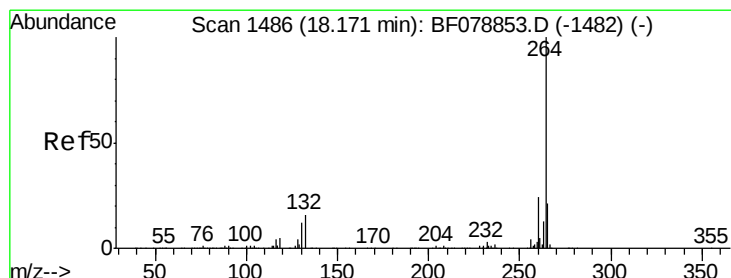
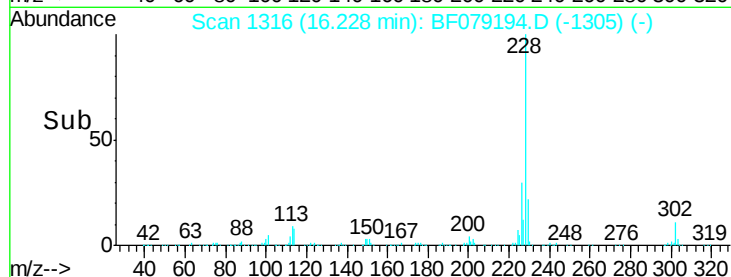
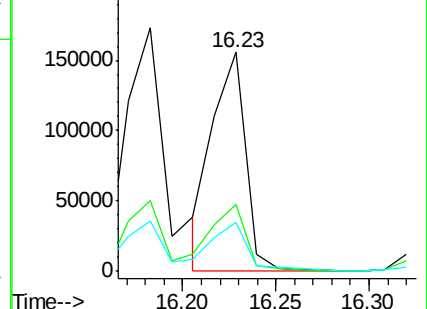
229 22.4 16.0 24.0



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 18.01 min Scan# 1472

Delta R.T. 0.14 min

Lab File: BF079194.D

Acq: 13 May 2015 11:21

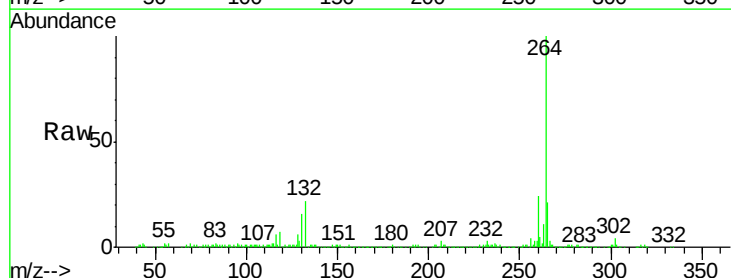
Tgt Ion:264 Resp: 210746

Ion Ratio Lower Upper

264 100

260 24.4 19.4 29.2

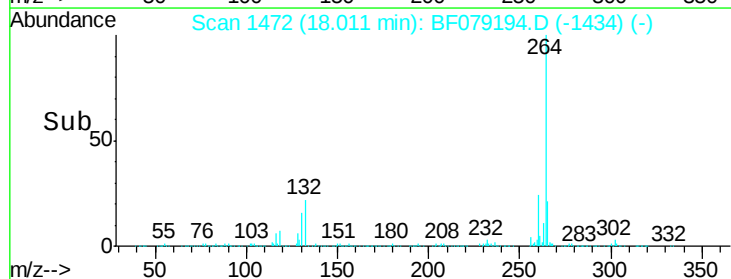
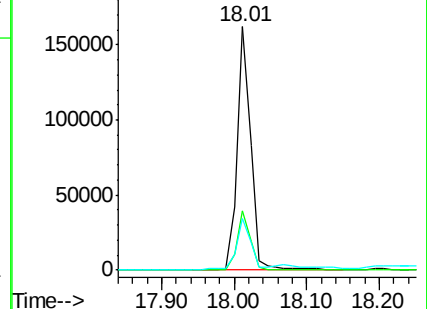
265 21.3 18.3 27.5

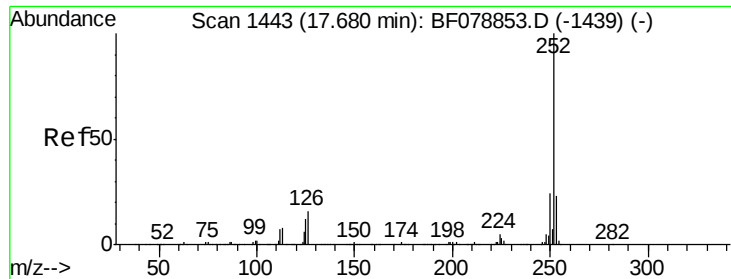


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 27.54 ng

RT: 17.54 min Scan# 1431

Delta R.T. 0.10 min

Lab File: BF079194.D

Acq: 13 May 2015 11:21

Instrument :

BNA_F

ClientSampleId :

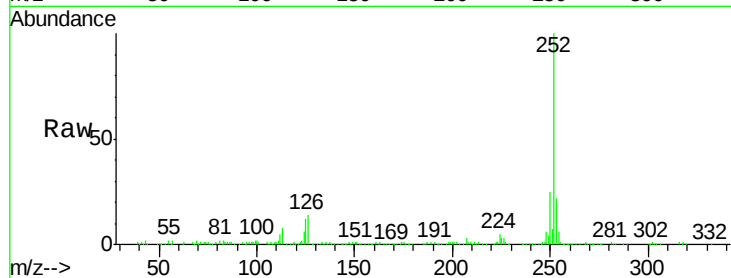
Tot Ion:252 Resp: 317675

Ion Ratio Lower Upper

252 100

253 22.4 17.7 26.5

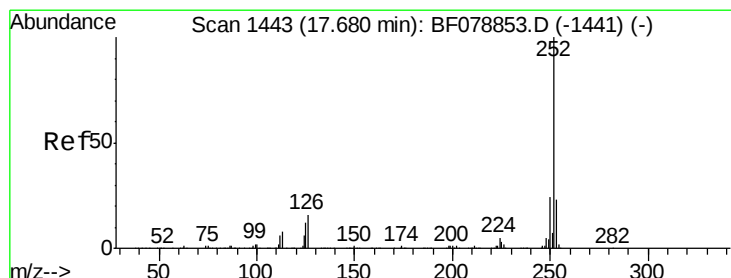
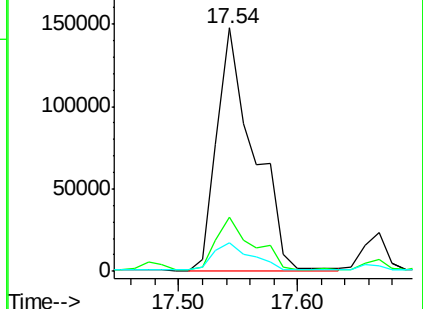
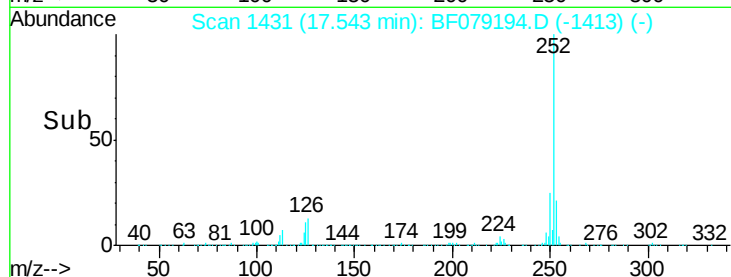
125 11.5 9.5 14.3



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: 22.79 ng

RT: 17.54 min Scan# 1431

Delta R.T. 0.07 min

Lab File: BF079194.D

Acq: 13 May 2015 11:21

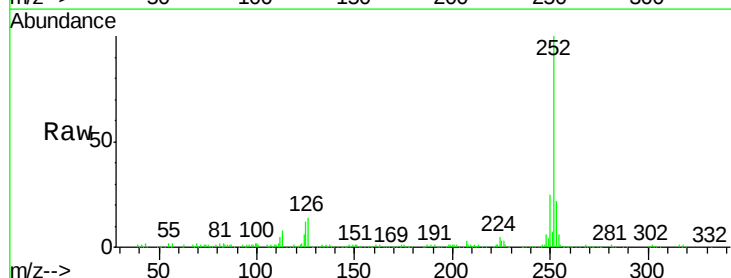
Tgt Ion:252 Resp: 254500

Ion Ratio Lower Upper

252 100

253 22.4 18.1 27.1

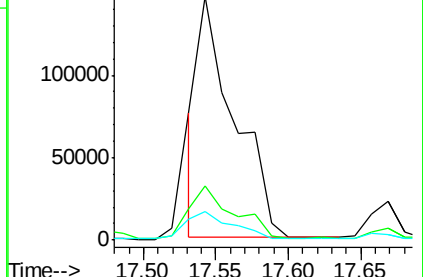
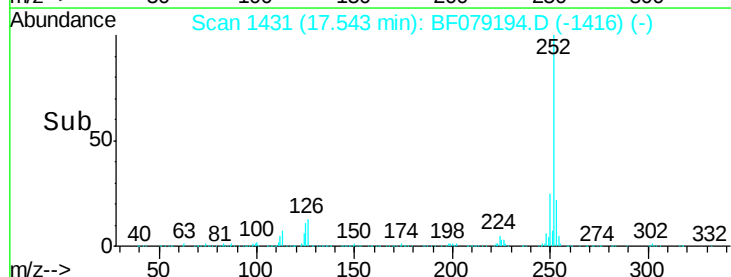
125 11.5 10.0 15.0

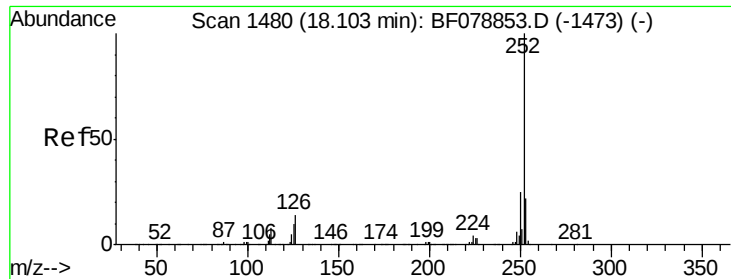


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

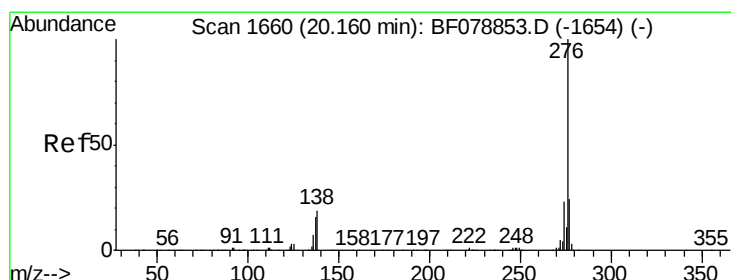
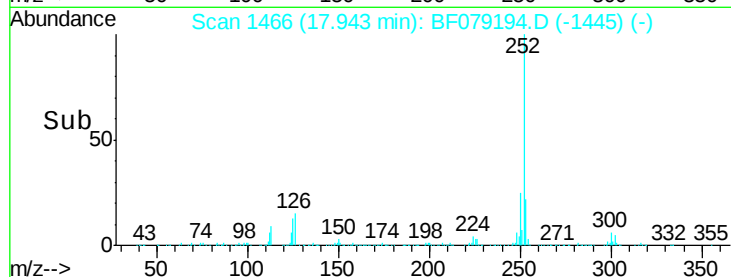
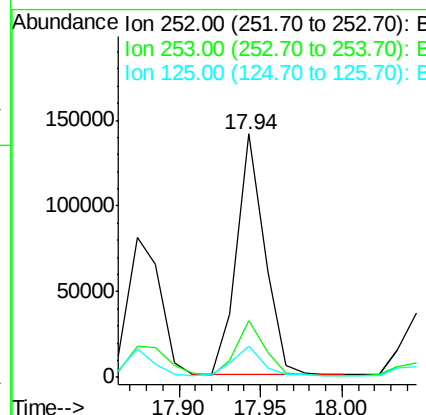
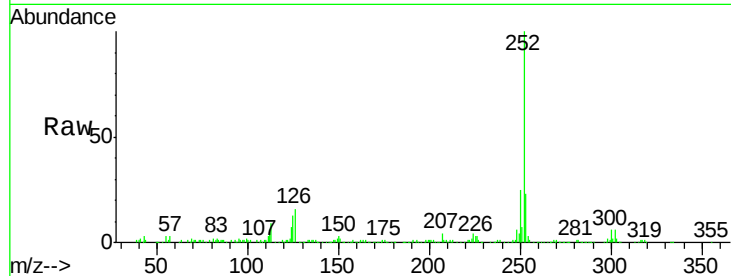




#89
Benzo(a)pyrene
Concen: 15.74 ng
RT: 17.94 min Scan# 1466
Delta R.T. 0.14 min
Lab File: BF079194.D
Acq: 13 May 2015 11:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 167130
Ion Ratio Lower Upper
252 100
253 23.2 17.3 25.9
125 13.0 7.0 10.6#



#91
Benzo(g,h,i)perylene
Concen: 8.56 ng
RT: 19.92 min Scan# 1639
Delta R.T. 0.15 min
Lab File: BF079194.D
Acq: 13 May 2015 11:21

Tgt Ion:276 Resp: 96859
Ion Ratio Lower Upper
276 100
277 23.7 18.6 28.0
138 24.6 17.4 26.0

