

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051315\
 Data File : BF079211.D
 Acq On : 13 May 2015 23:36
 Operator : TP/IZ
 Sample : G2215-03 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-40D

Quant Time: May 14 01:21:38 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 14 00:58:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.23	152	54759	20.00	ng	0.00
21) Naphthalene-d8	8.81	136	216525	20.00	ng	0.00
38) Acenaphthene-d10	10.98	164	107739	20.00	ng	0.00
63) Phenanthrene-d10	12.83	188	206806	20.00	ng	0.00
75) Chrysene-d12	16.13	240	221455	20.00	ng	-0.03
86) Perylene-d12	17.90	264	267966	20.00	ng	-0.13

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	62590	19.68	ng	0.00
7) Phenol-d6	6.80	99	85369	20.30	ng	0.00
23) Nitrobenzene-d5	7.92	82	43163	11.46	ng	-0.01
41) 2,4,6-Tribromophenol	11.96	330	22149	19.00	ng	0.00
44) 2-Fluorobiphenyl	10.16	172	82983	10.73	ng	0.00
78) Terphenyl-d14	14.82	244	102214	11.05	ng	0.00

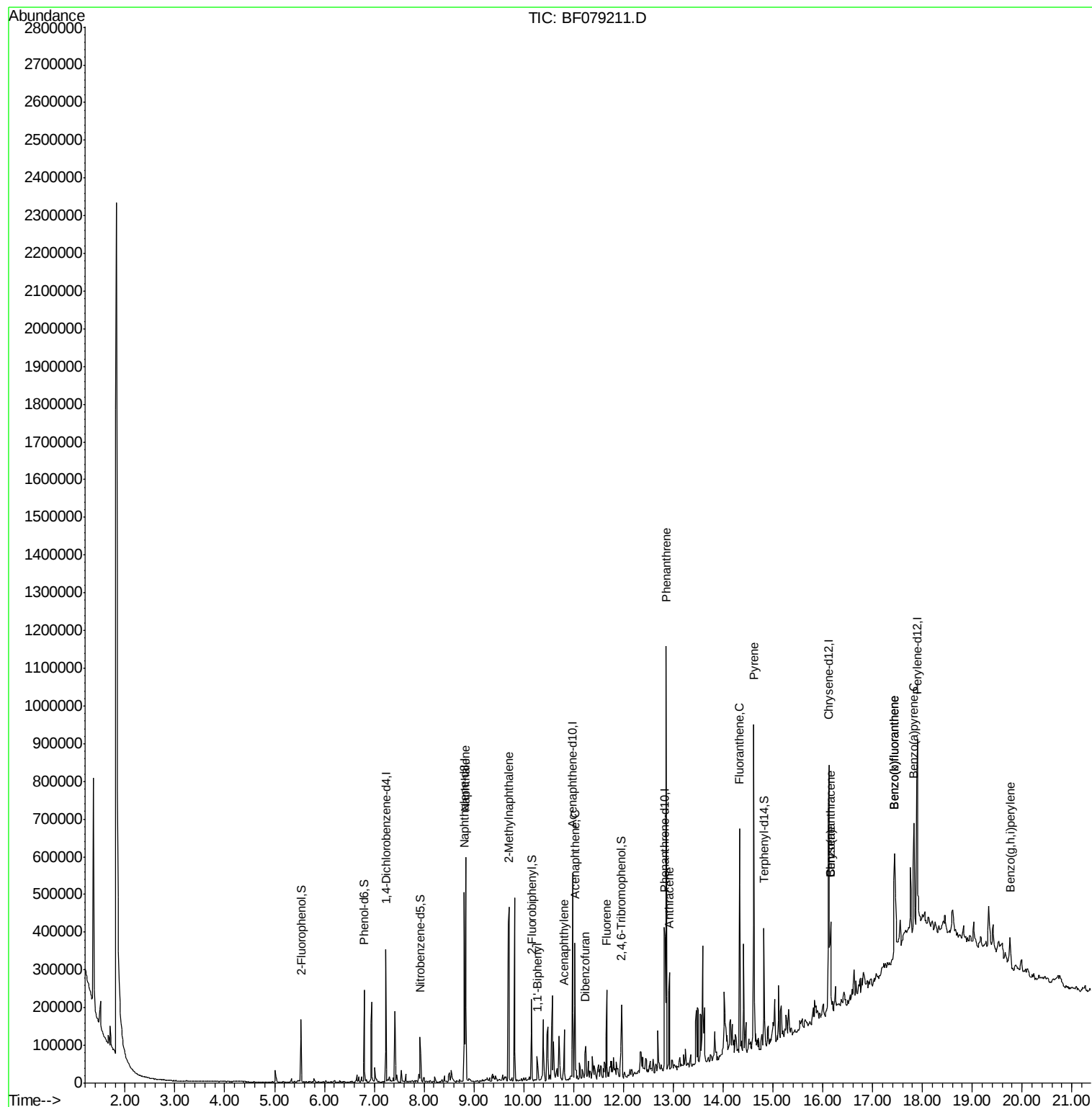
Target Compounds				Qvalue		
31) Naphthalene	8.83	128	285940	27.71	ng	99
37) 2-Methylnaphthalene	9.70	142	193698	27.09	ng	# 95
45) 1,1'-Biphenyl	10.27	154	21465	2.51	ng	99
48) Acenaphthylene	10.81	152	26081	2.38	ng	# 89
51) Acenaphthene	11.03	154	95341	14.57	ng	99
54) Dibenzofuran	11.24	168	21589	2.28	ng	# 88
57) Fluorene	11.67	166	88485	11.41	ng	100
70) Phenanthrene	12.86	178	428716	37.06	ng	100
71) Anthracene	12.93	178	141629	12.48	ng	99
74) Fluoranthene	14.33	202	329667	27.35	ng	98
77) Pyrene	14.62	202	369282	28.94	ng	98
80) Benzo(a)anthracene	16.16	228	100188	8.26	ng	95
82) Chrysene	16.16	228	117196	10.05	ng	97
87) Benzo(b)fluoranthene	17.44	252	195587	13.34	ng	99
88) Benzo(k)fluoranthene	17.44	252	224669	15.82	ng	100
89) Benzo(a)pyrene	17.83	252	149696	11.08	ng	# 94
91) Benzo(g,h,i)perylene	19.76	276	80398	5.59	ng	93

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

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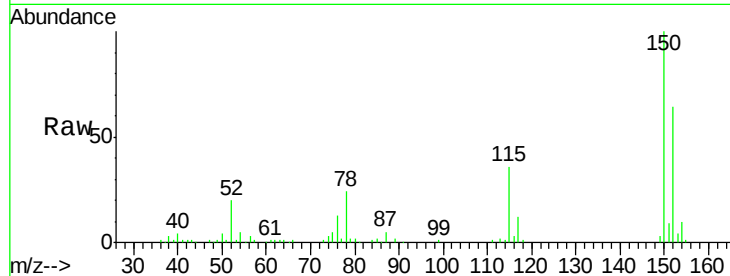




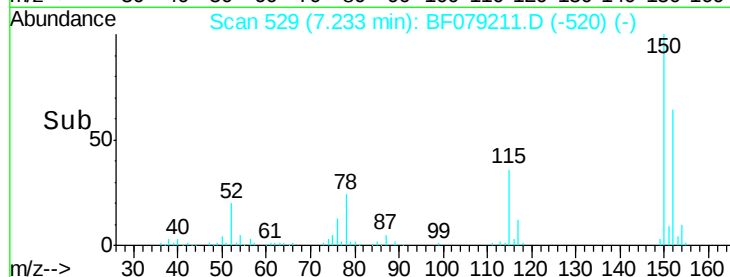
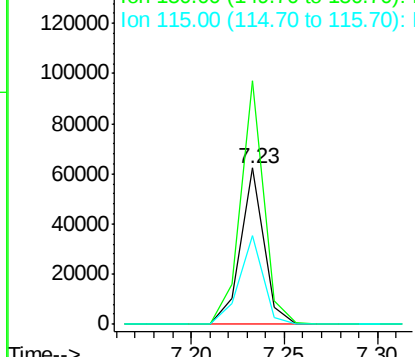
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.23 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: BF079211.D
 Acq: 13 May 2015 23:36

Instrument :
 BNA_F
 ClientSampleId :
 SB-40D

Tgt Ion:152 Resp: 54759
 Ion Ratio Lower Upper
 152 100
 150 156.0 122.0 183.0
 115 56.5 46.3 69.5

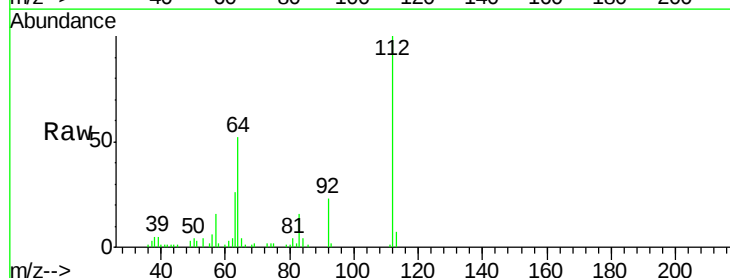


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

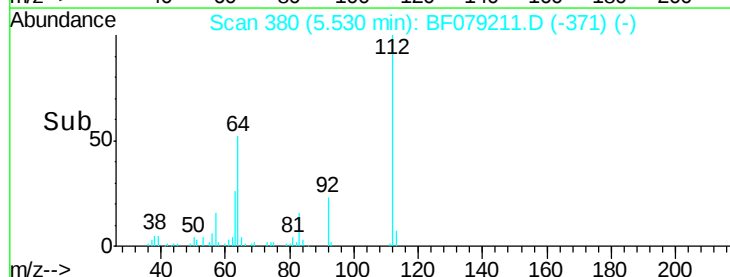
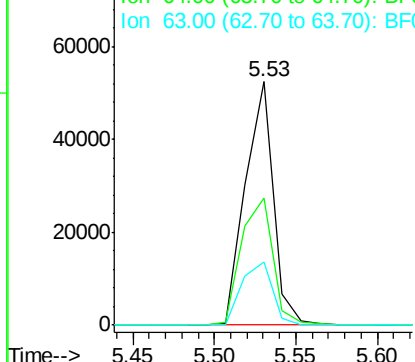


#5
 2-Fluorophenol
 Concen: 19.68 ng
 RT: 5.53 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: BF079211.D
 Acq: 13 May 2015 23:36

Tgt Ion:112 Resp: 62590
 Ion Ratio Lower Upper
 112 100
 64 52.1 53.5 80.3#
 63 25.8 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: 20.30 ng

RT: 6.80 min Scan# 491

Delta R.T. 0.00 min

Lab File: BF079211.D

Acq: 13 May 2015 23:36

Instrument :

BNA_F

ClientSampleId :

SB-40D

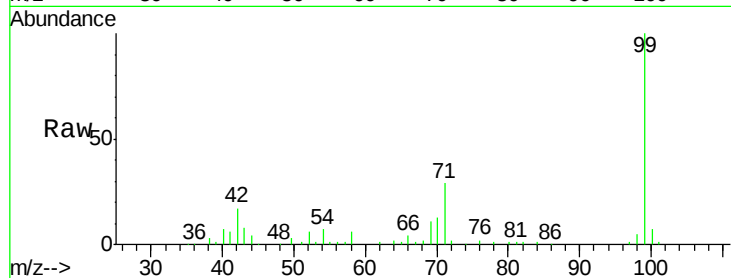
Tgt Ion: 99 Resp: 85369

Ion Ratio Lower Upper

99 100

42 16.6 12.8 19.2

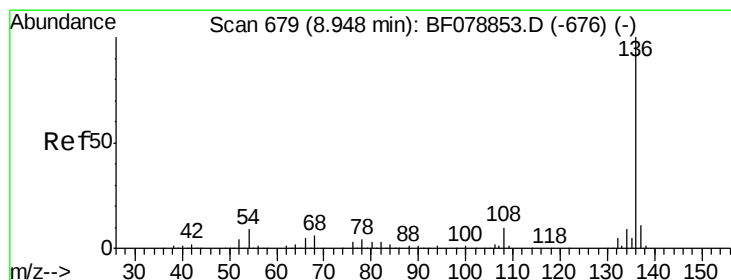
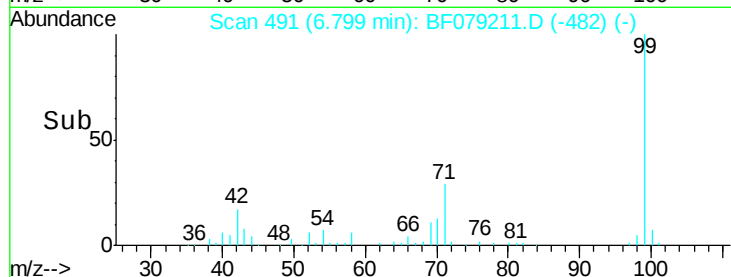
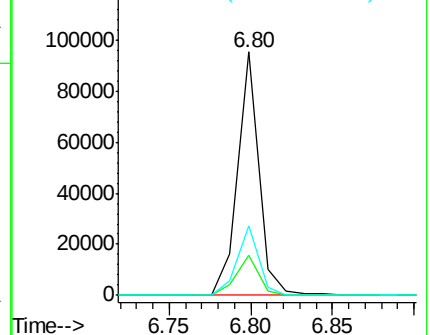
71 28.7 23.4 35.2



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: 8.81 min Scan# 667

Delta R.T. 0.00 min

Lab File: BF079211.D

Acq: 13 May 2015 23:36

Tgt Ion: 136 Resp: 216525

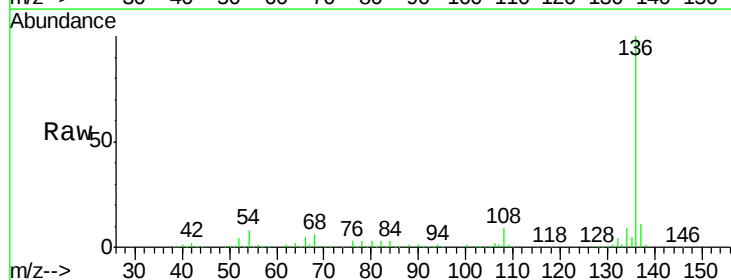
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 7.7 5.8 8.8

68 5.9 4.2 6.4

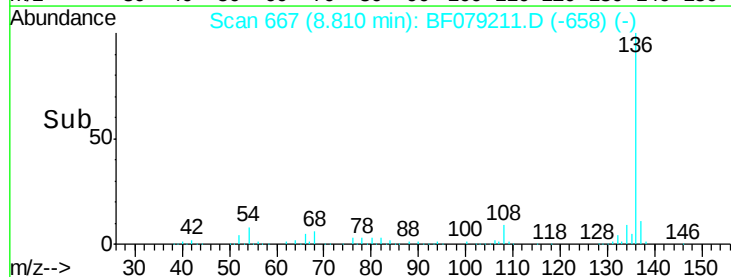
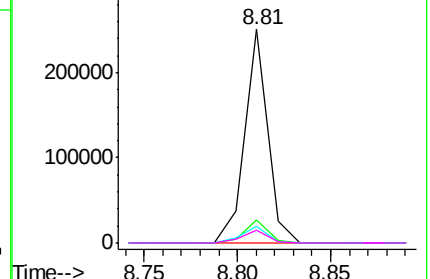


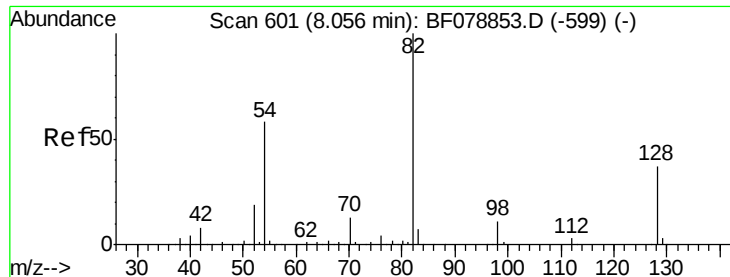
Abundance Ion 136.00 (135.70 to 136.70): E

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

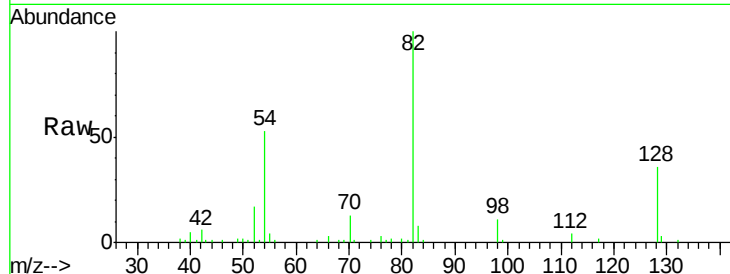




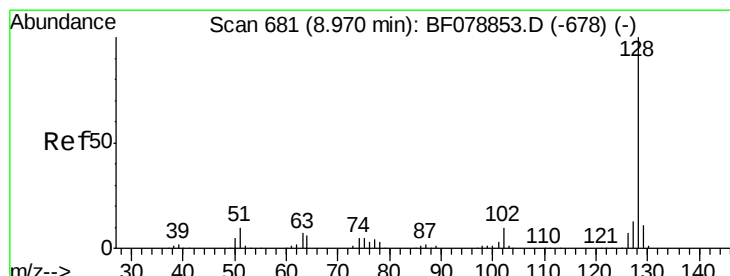
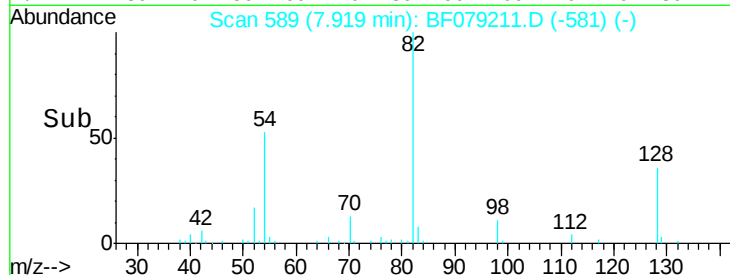
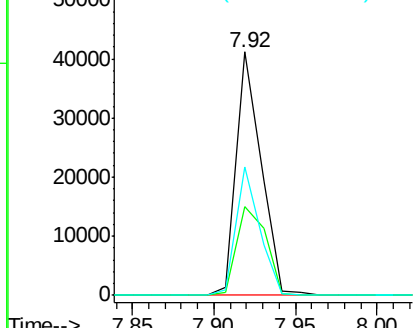
#23
 Nitrobenzene-d5
 Concen: 11.46 ng
 RT: 7.92 min Scan# 589
 Delta R.T. -0.01 min
 Lab File: BF079211.D
 Acq: 13 May 2015 23:36

Instrument :
 BNA_F
 ClientSampleId :
 SB-40D

Tgt Ion: 82 Resp: 43163
 Ion Ratio Lower Upper
 82 100
 128 36.4 30.0 45.0
 54 52.7 46.4 69.6

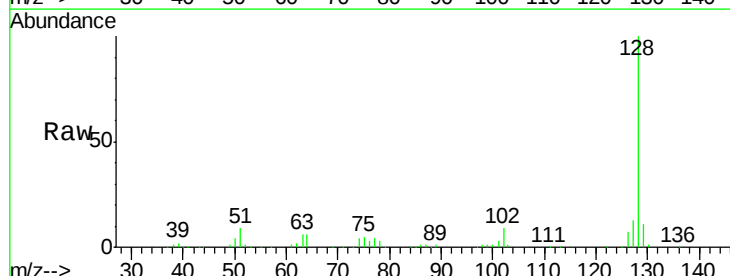


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

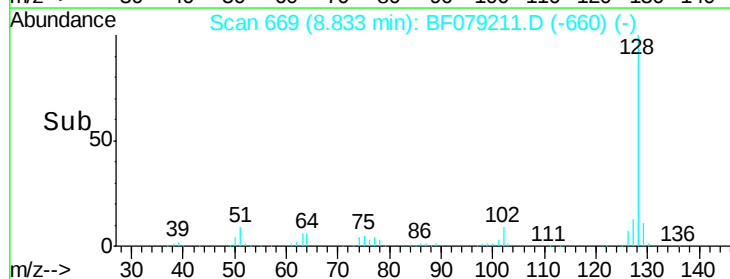
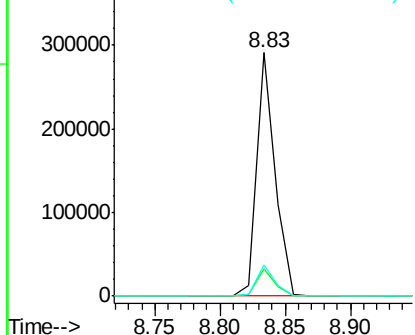


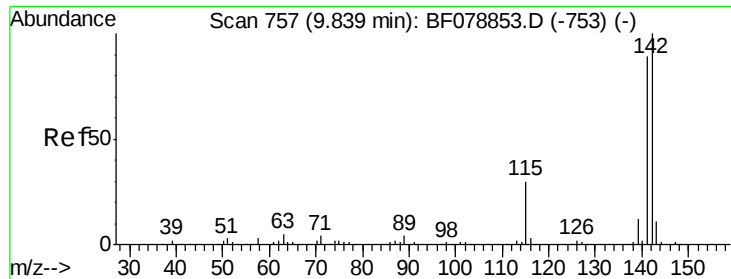
#31
 Naphthalene
 Concen: 27.71 ng
 RT: 8.83 min Scan# 669
 Delta R.T. 0.00 min
 Lab File: BF079211.D
 Acq: 13 May 2015 23:36

Tgt Ion: 128 Resp: 285940
 Ion Ratio Lower Upper
 128 100
 129 11.1 9.3 13.9
 127 12.8 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E

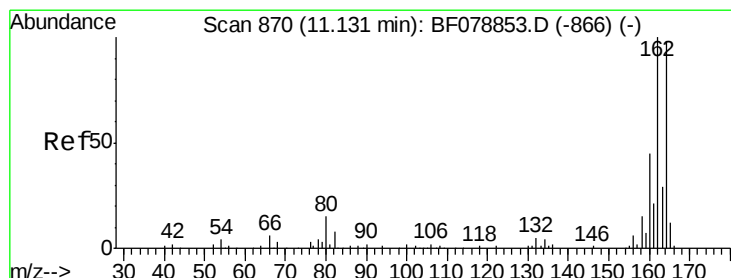
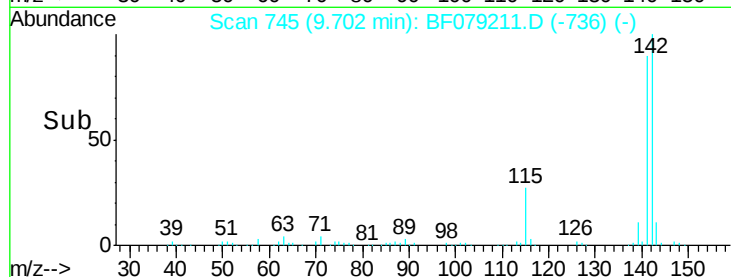
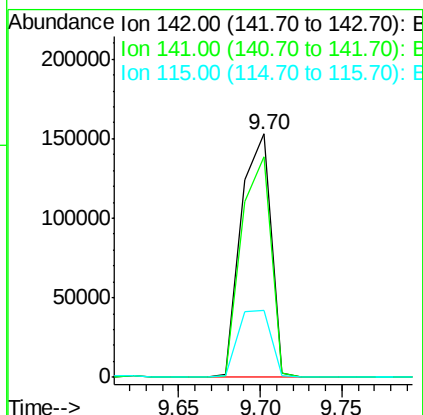
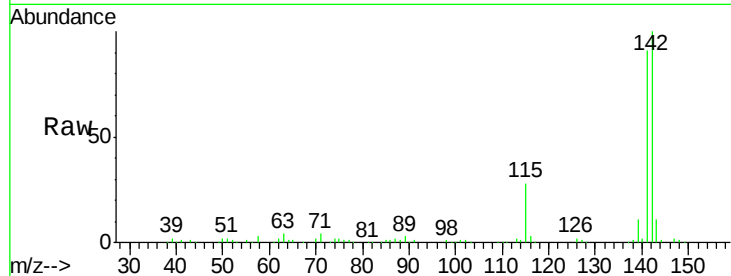




#37
 2-Methylnaphthalene
 Concen: 27.09 ng
 RT: 9.70 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: BF079211.D
 Acq: 13 May 2015 23:36

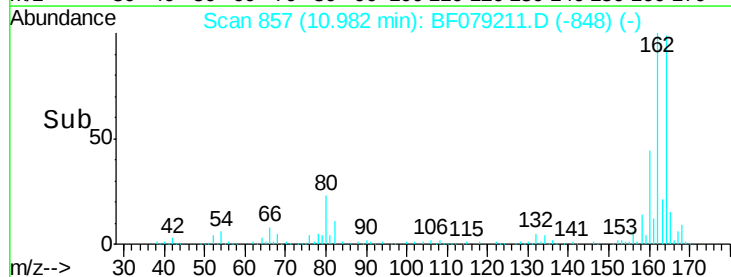
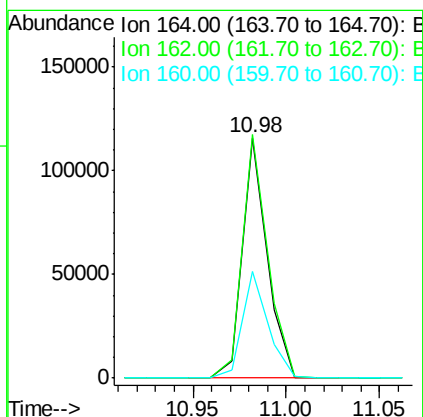
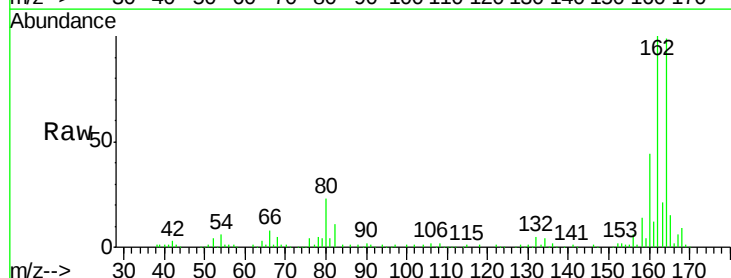
Instrument :
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 ClientSampleId :
 SB-40D

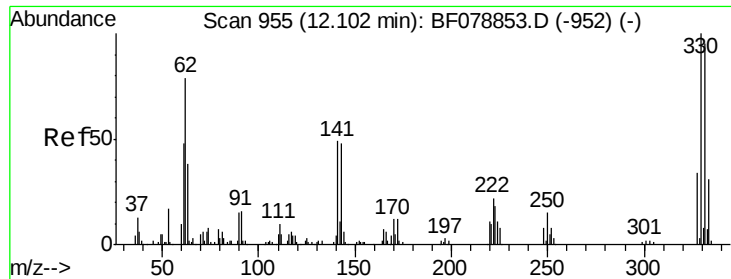
Tgt Ion:142 Resp: 193698
 Ion Ratio Lower Upper
 142 100
 141 90.5 70.9 106.3
 115 27.6 28.5 42.7#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.98 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: BF079211.D
 Acq: 13 May 2015 23:36

Tgt Ion:164 Resp: 107739
 Ion Ratio Lower Upper
 164 100
 162 101.5 82.7 124.1
 160 44.5 35.8 53.8

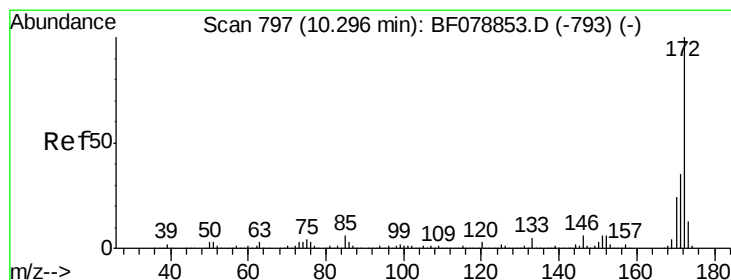
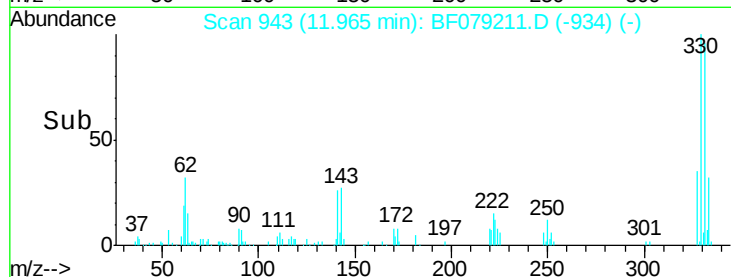
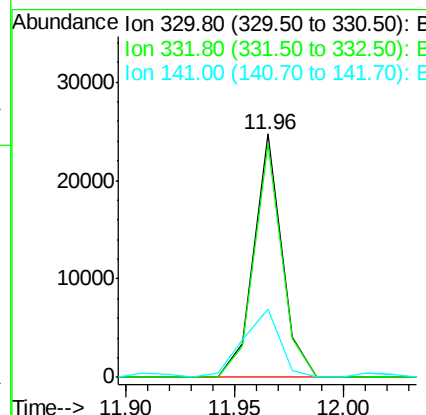
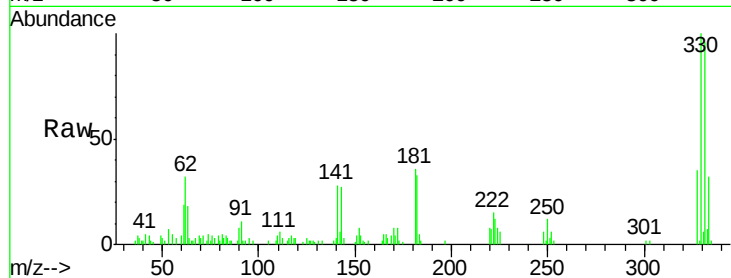




#41
 2,4,6-Tribromophenol
 Concen: 19.00 ng
 RT: 11.96 min Scan# 943
 Delta R.T. 0.00 min
 Lab File: BF079211.D
 Acq: 13 May 2015 23:36

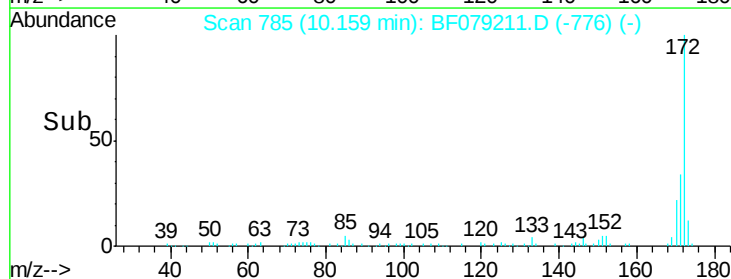
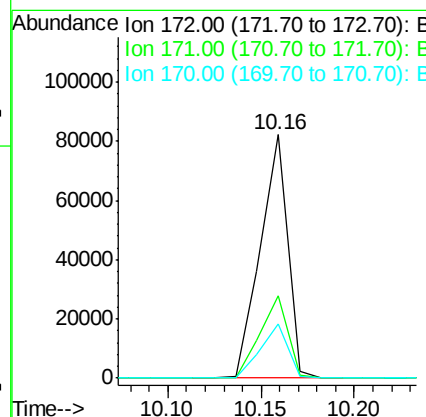
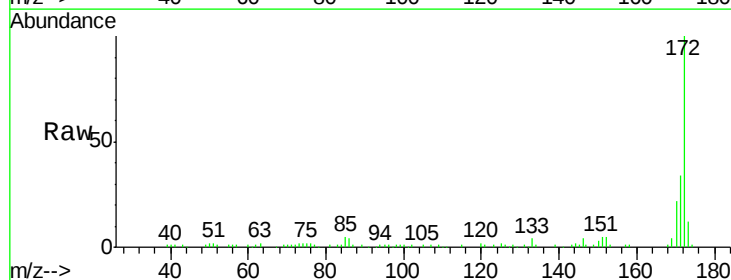
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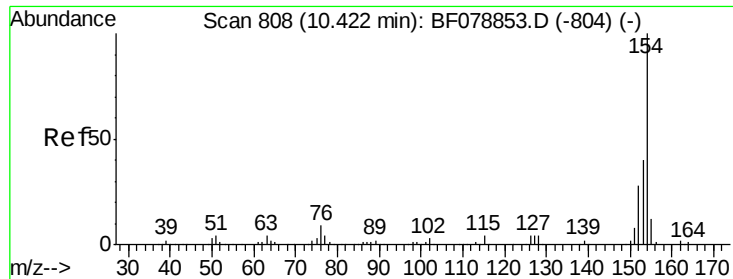
Tgt Ion: 330 Resp: 22149
 Ion Ratio Lower Upper
 330 100
 332 95.6 0.0 0.0#
 141 39.2 0.0 0.0#



#44
 2-Fluorobiphenyl
 Concen: 10.73 ng
 RT: 10.16 min Scan# 785
 Delta R.T. 0.00 min
 Lab File: BF079211.D
 Acq: 13 May 2015 23:36

Tgt Ion: 172 Resp: 82983
 Ion Ratio Lower Upper
 172 100
 171 34.0 27.9 41.9
 170 22.2 19.4 29.0

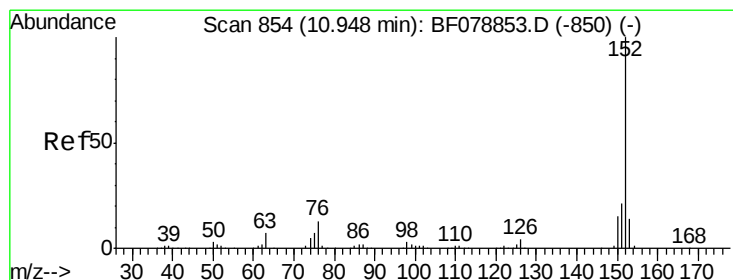
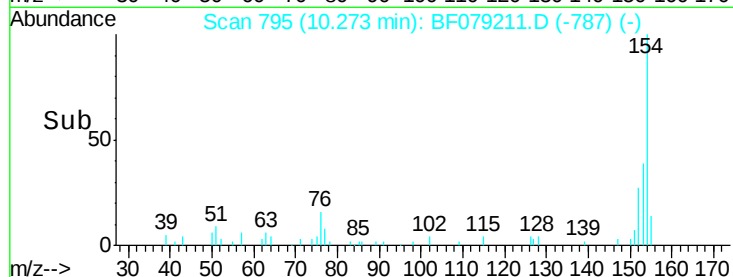
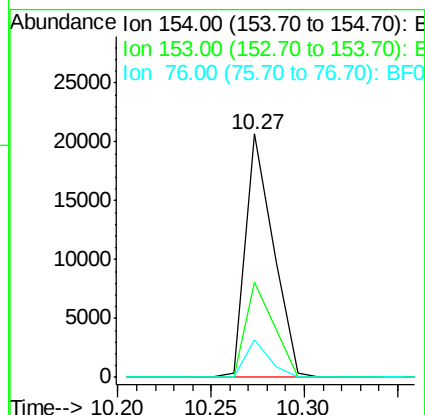
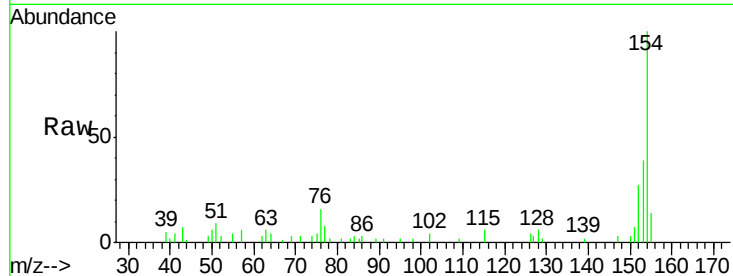




#45
1,1'-Biphenyl
Concen: 2.51 ng
RT: 10.27 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF079211.D
Acq: 13 May 2015 23:36

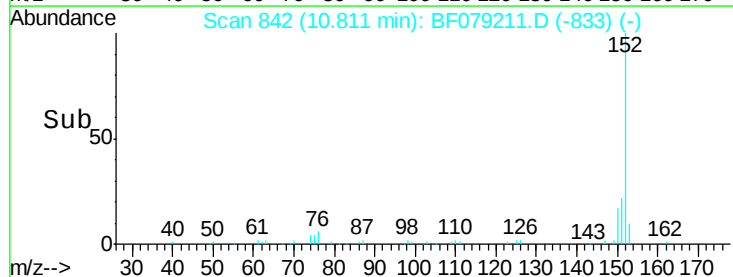
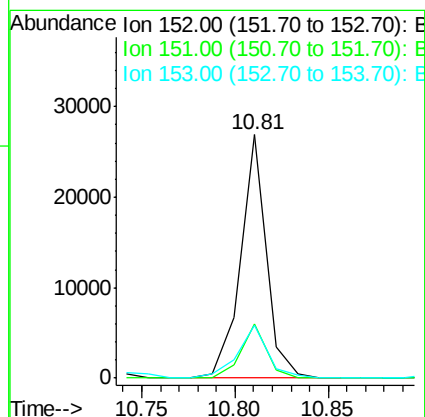
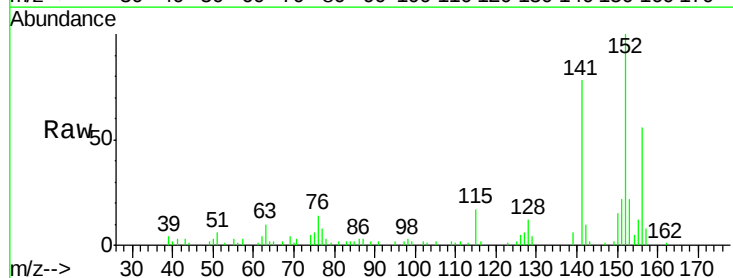
Instrument :
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ClientSampled :
SB-40D

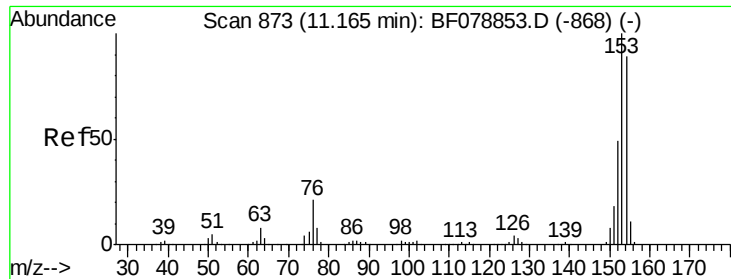
Tgt Ion:154 Resp: 21465
Ion Ratio Lower Upper
154 100
153 39.2 19.9 59.9
76 15.6 0.0 35.0



#48
Acenaphthylene
Concen: 2.38 ng
RT: 10.81 min Scan# 842
Delta R.T. 0.00 min
Lab File: BF079211.D
Acq: 13 May 2015 23:36

Tgt Ion:152 Resp: 26081
Ion Ratio Lower Upper
152 100
151 22.4 16.2 24.4
153 21.9 10.9 16.3#





#51

Acenaphthene

Concen: 14.57 ng

RT: 11.03 min Scan# 861

Delta R.T. 0.00 min

Lab File: BF079211.D

Acq: 13 May 2015 23:36

Instrument :

BNA_F

ClientSampleId :

SB-40D

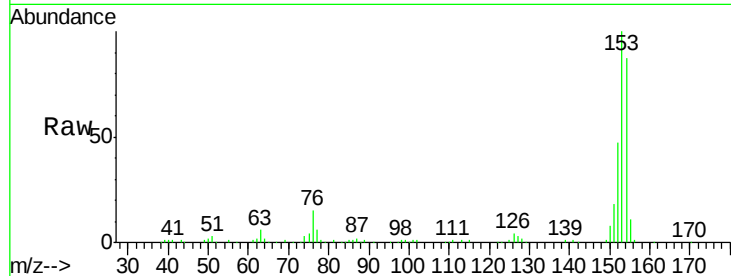
Tgt Ion:154 Resp: 95341

Ion Ratio Lower Upper

154 100

153 115.0 91.5 137.3

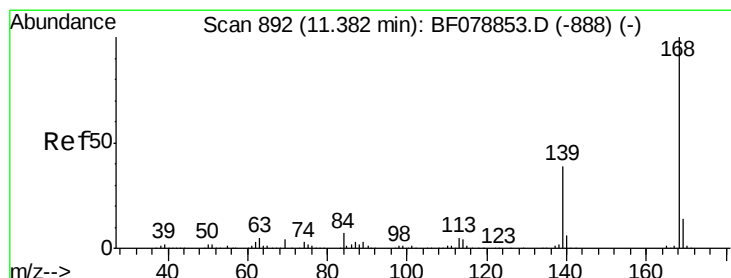
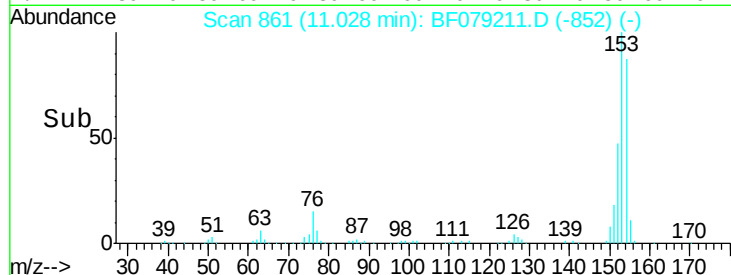
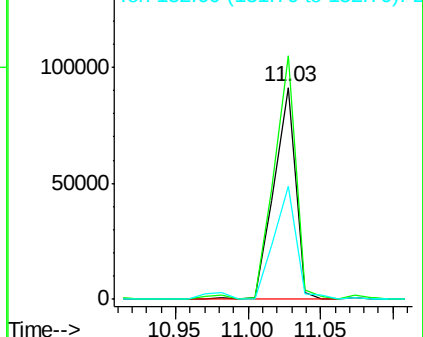
152 53.5 44.2 66.4



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: 2.28 ng

RT: 11.24 min Scan# 880

Delta R.T. 0.00 min

Lab File: BF079211.D

Acq: 13 May 2015 23:36

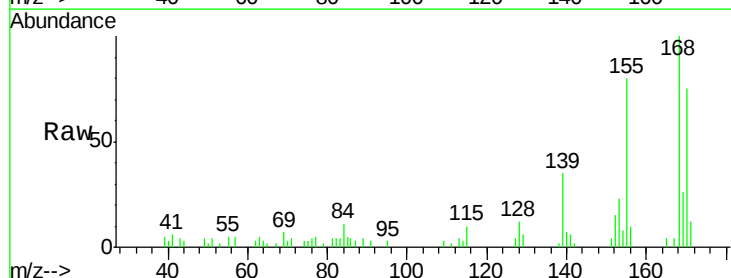
Tgt Ion:168 Resp: 21589

Ion Ratio Lower Upper

168 100

139 35.5 31.0 46.4

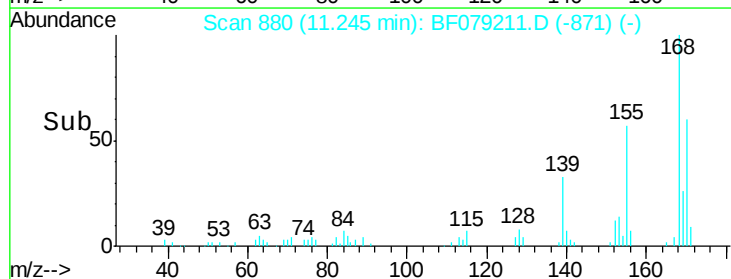
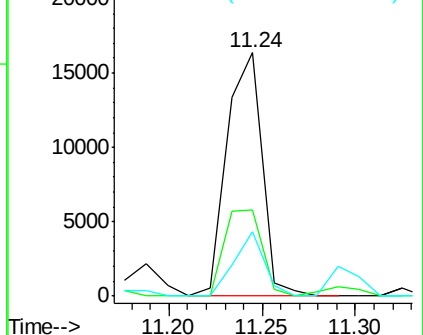
169 26.3 10.6 16.0#

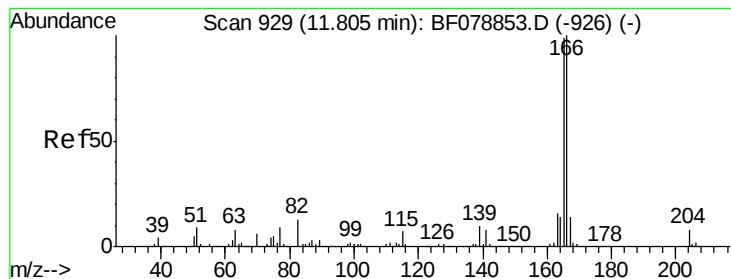


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 11.41 ng

RT: 11.67 min Scan# 917

Delta R.T. 0.00 min

Lab File: BF079211.D

Acq: 13 May 2015 23:36

Instrument :

BNA_F

ClientSampleId :

SB-40D

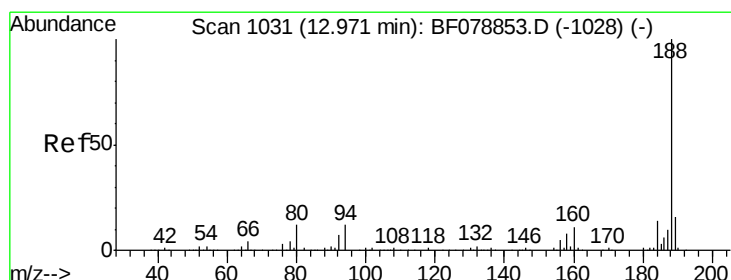
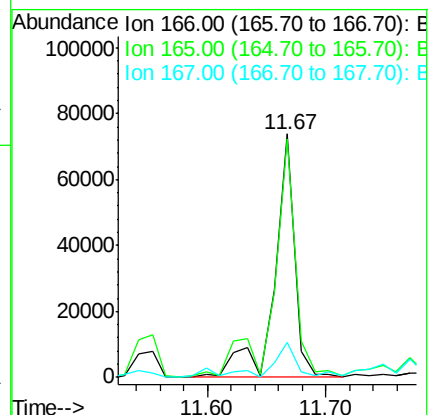
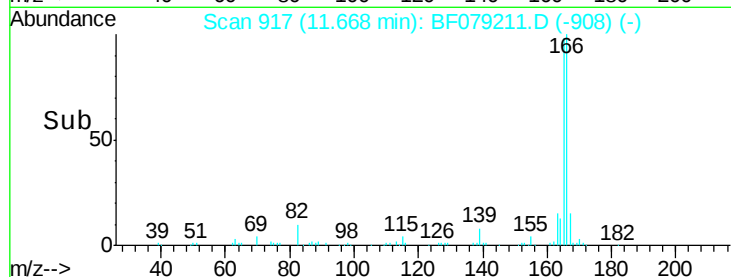
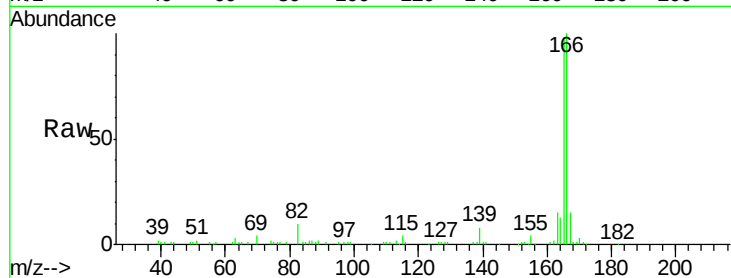
Tgt Ion:166 Resp: 88485

Ion Ratio Lower Upper

166 100

165 98.2 78.5 117.7

167 14.6 11.0 16.6



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.83 min Scan# 1019

Delta R.T. 0.00 min

Lab File: BF079211.D

Acq: 13 May 2015 23:36

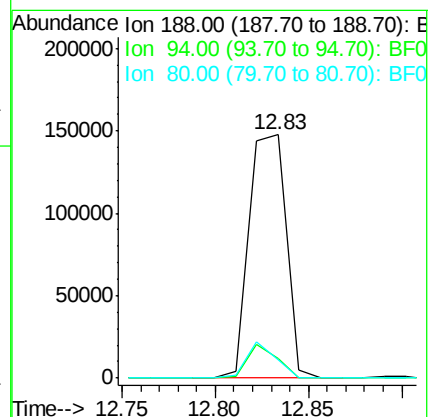
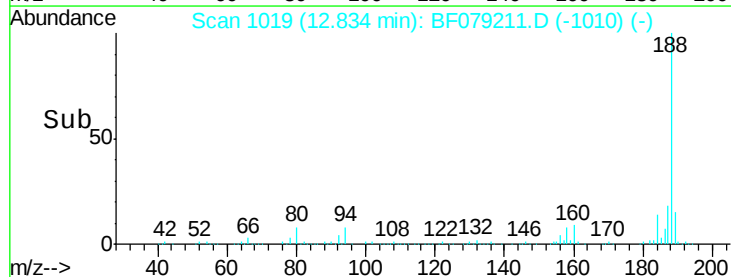
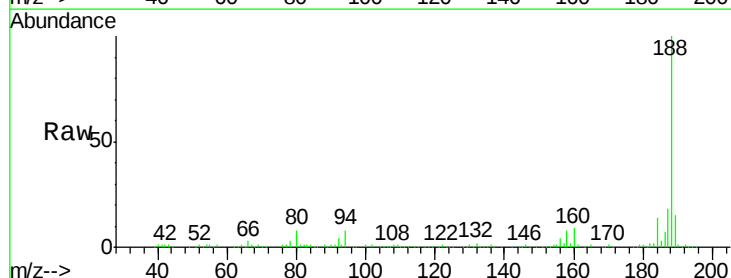
Tgt Ion:188 Resp: 206806

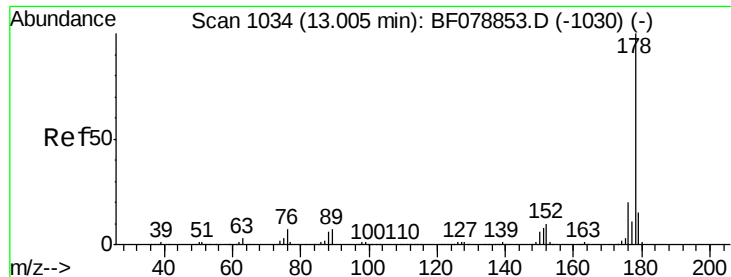
Ion Ratio Lower Upper

188 100

94 7.9 8.2 12.2#

80 7.8 8.9 13.3#

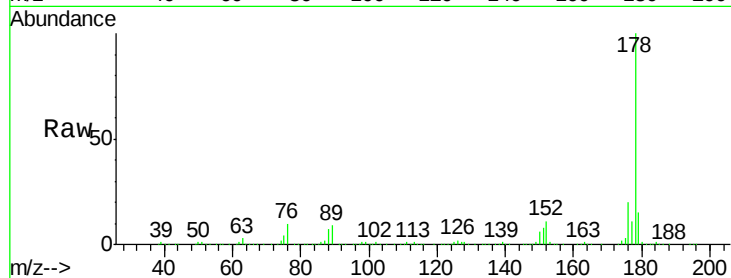




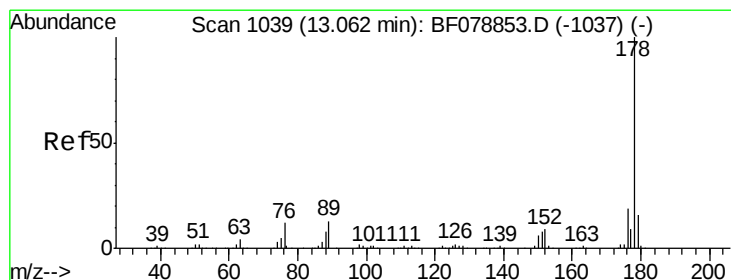
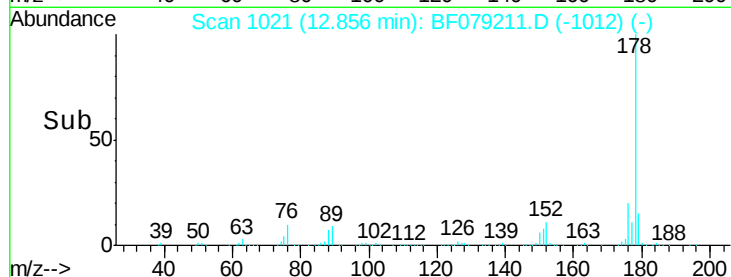
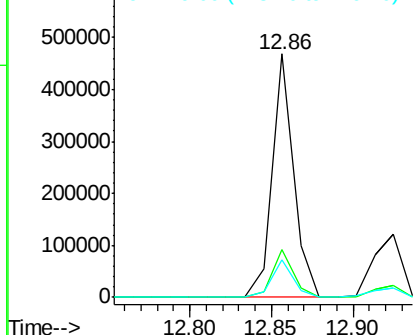
#70
Phenanthrene
Concen: 37.06 ng
RT: 12.86 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BF079211.D
Acq: 13 May 2015 23:36

Instrument :
BNA_F
ClientSampleId :
SB-40D

Tgt Ion:178 Resp: 428716
Ion Ratio Lower Upper
178 100
176 19.9 15.8 23.8
179 15.5 12.5 18.7

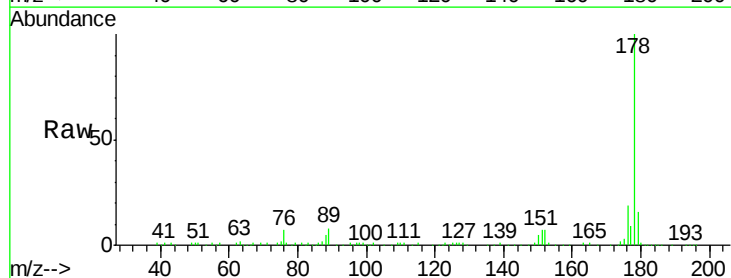


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

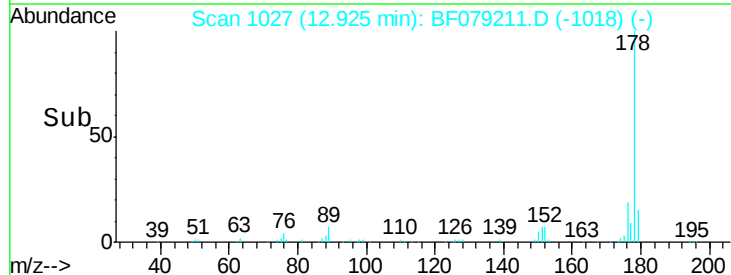
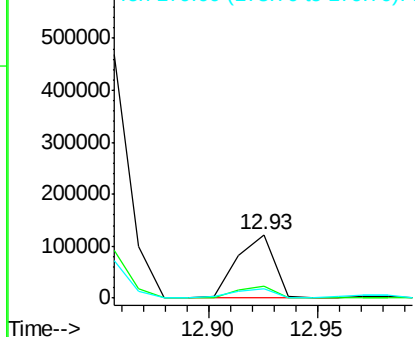


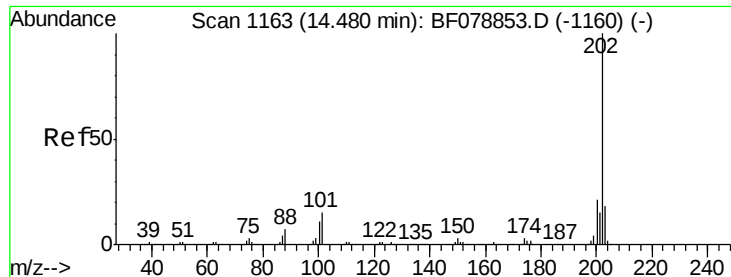
#71
Anthracene
Concen: 12.48 ng
RT: 12.93 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BF079211.D
Acq: 13 May 2015 23:36

Tgt Ion:178 Resp: 141629
Ion Ratio Lower Upper
178 100
176 18.6 15.5 23.3
179 15.8 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





#74

Fluoranthene

Concen: 27.35 ng

RT: 14.33 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BF079211.D

Acq: 13 May 2015 23:36

Instrument :

BNA_F

ClientSampleId :

SB-40D

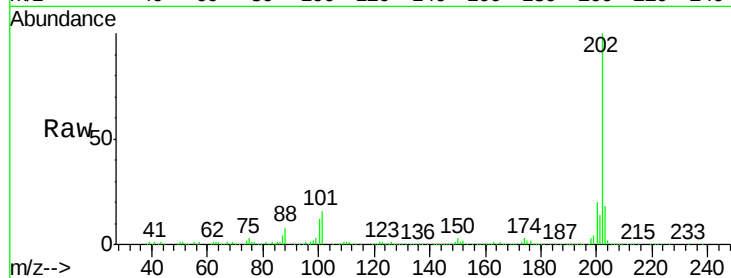
Tgt Ion:202 Resp: 329667

Ion Ratio Lower Upper

202 100

101 15.8 0.0 34.6

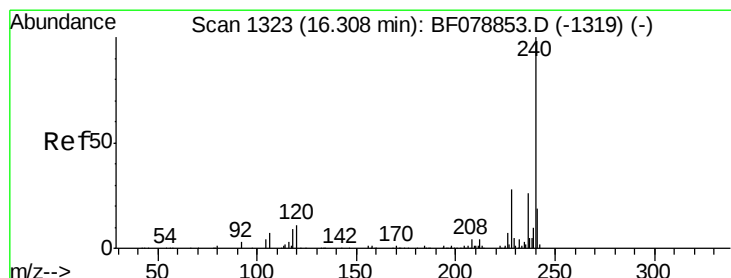
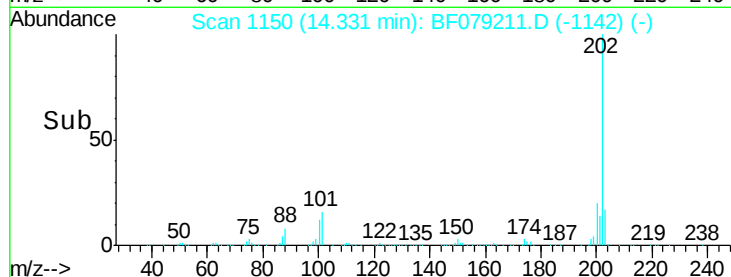
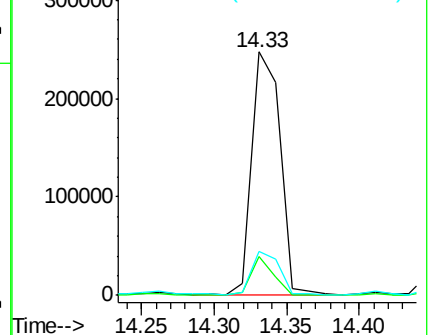
203 17.9 0.0 38.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.13 min Scan# 1307

Delta R.T. -0.03 min

Lab File: BF079211.D

Acq: 13 May 2015 23:36

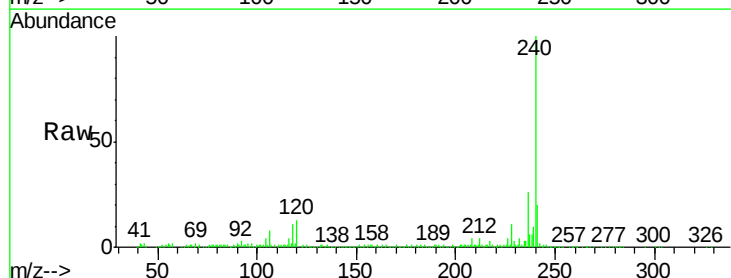
Tgt Ion:240 Resp: 221455

Ion Ratio Lower Upper

240 100

120 12.7 9.7 14.5

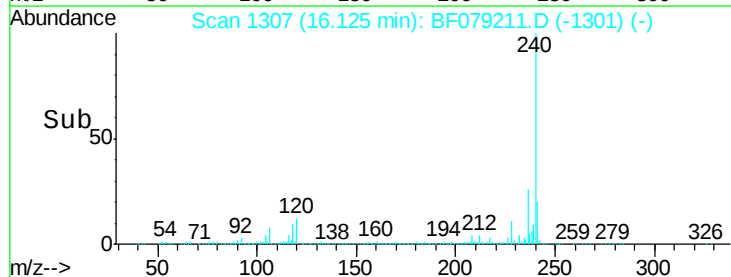
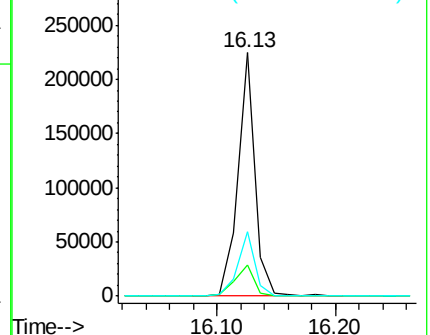
236 26.3 20.2 30.4

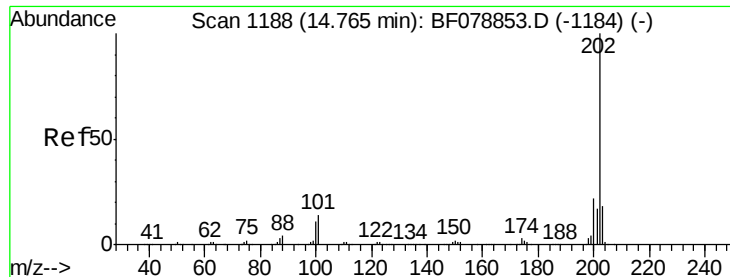


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 28.94 ng

RT: 14.62 min Scan# 1175

Delta R.T. 0.00 min

Lab File: BF079211.D

Acq: 13 May 2015 23:36

Instrument :

BNA_F

ClientSampleId :

SB-40D

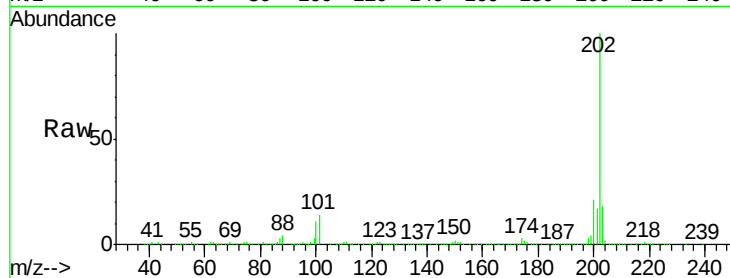
Tgt Ion:202 Resp: 369282

Ion Ratio Lower Upper

202 100

200 21.0 17.5 26.3

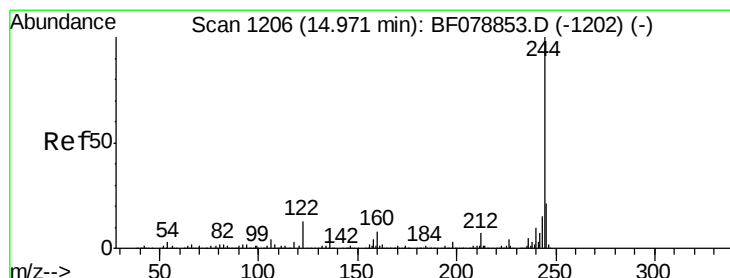
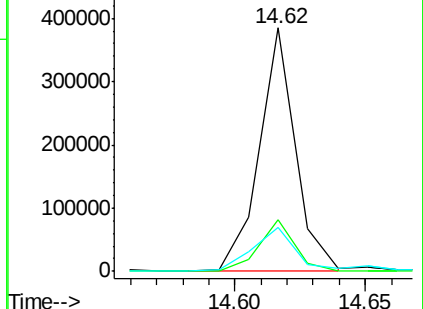
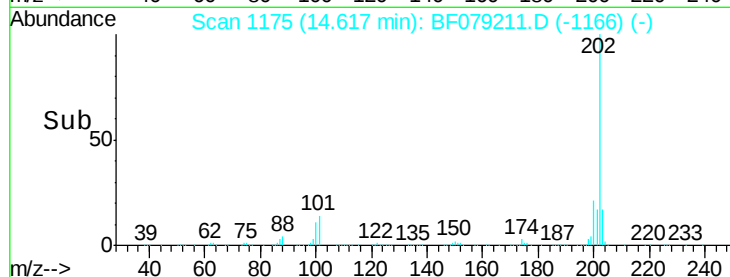
203 18.2 13.9 20.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 11.05 ng

RT: 14.82 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BF079211.D

Acq: 13 May 2015 23:36

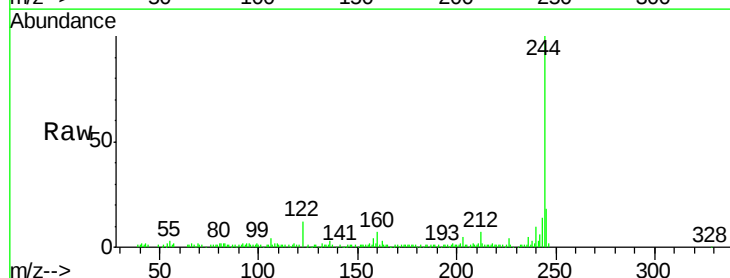
Tgt Ion:244 Resp: 102214

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

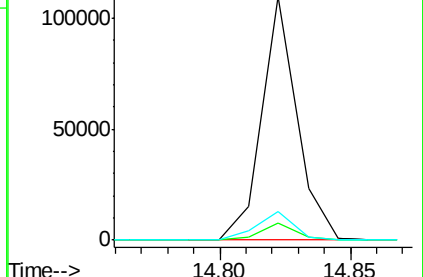
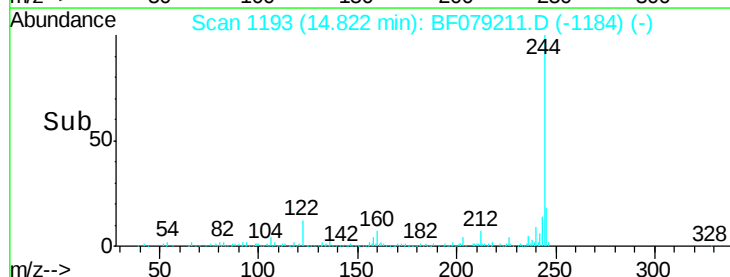
122 11.8 10.3 15.5

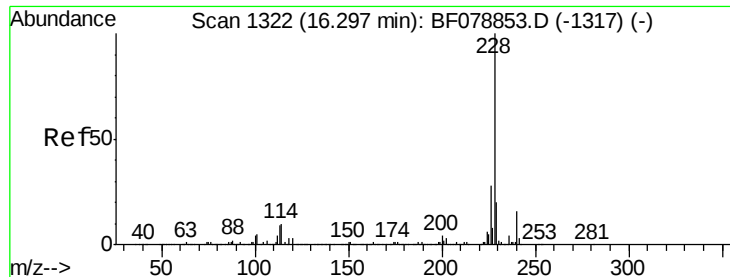


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

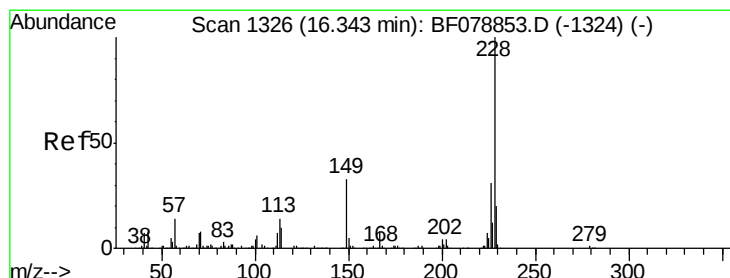
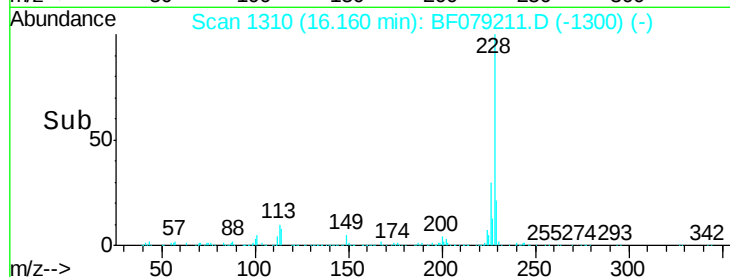
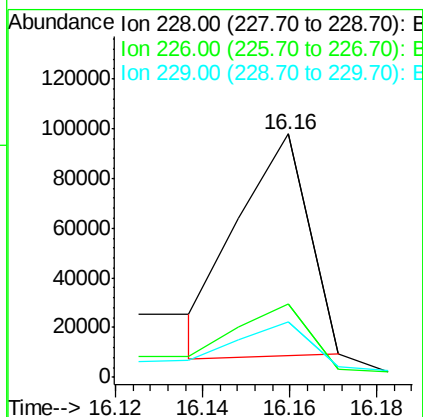
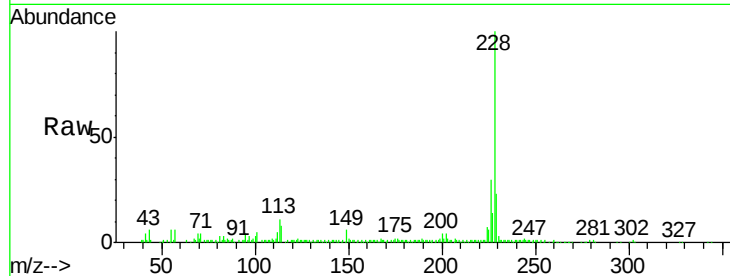




#80
Benzo(a)anthracene
Concen: 8.26 ng
RT: 16.16 min Scan# 1310
Delta R.T. 0.01 min
Lab File: BF079211.D
Acq: 13 May 2015 23:36

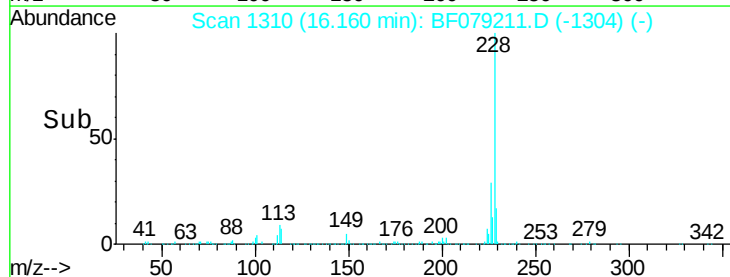
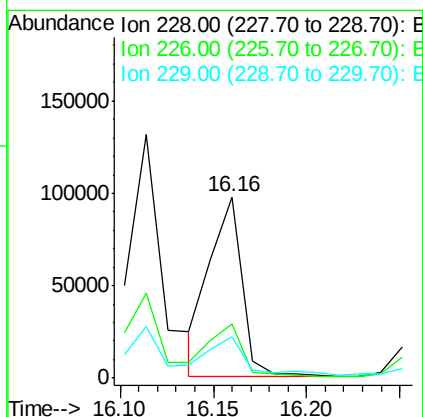
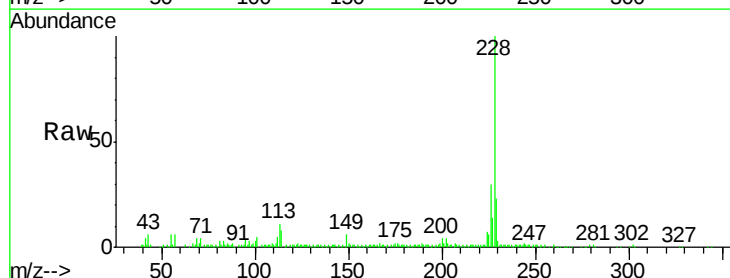
Instrument :
BNA_F
ClientSampleId :
SB-40D

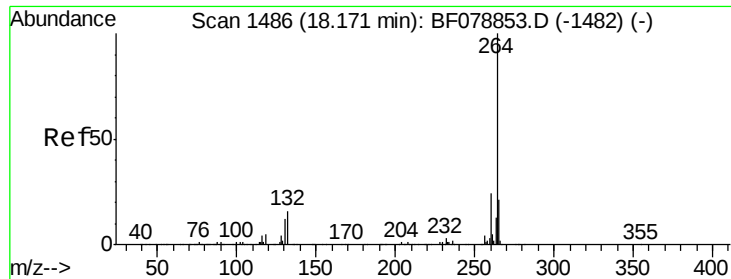
Tgt Ion:228 Resp: 100188
Ion Ratio Lower Upper
228 100
226 30.2 22.6 33.8
229 22.7 15.9 23.9



#82
Chrysene
Concen: 10.05 ng
RT: 16.16 min Scan# 1310
Delta R.T. -0.03 min
Lab File: BF079211.D
Acq: 13 May 2015 23:36

Tgt Ion:228 Resp: 117196
Ion Ratio Lower Upper
228 100
226 30.2 24.9 37.3
229 22.7 16.0 24.0

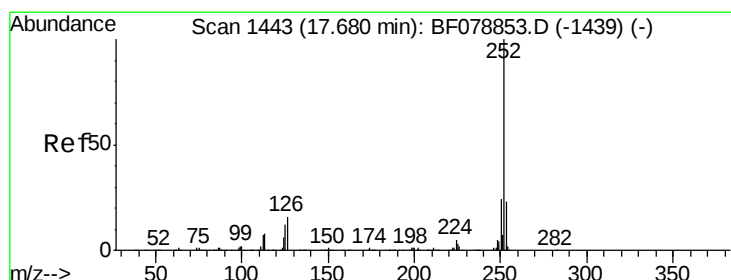
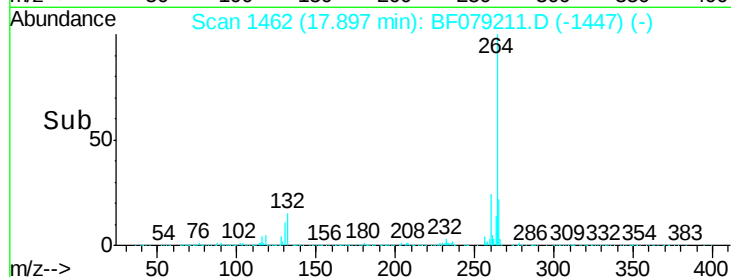
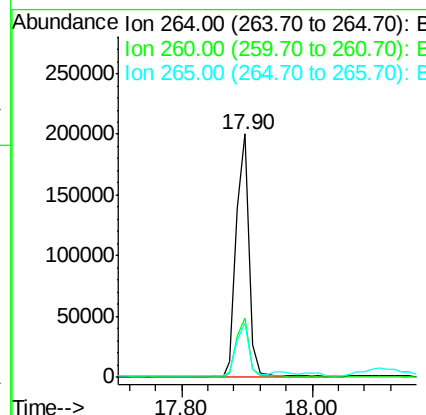
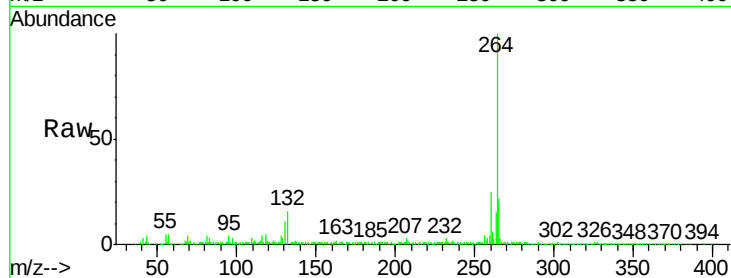




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.90 min Scan# 1462
Delta R.T. -0.13 min
Lab File: BF079211.D
Acq: 13 May 2015 23:36

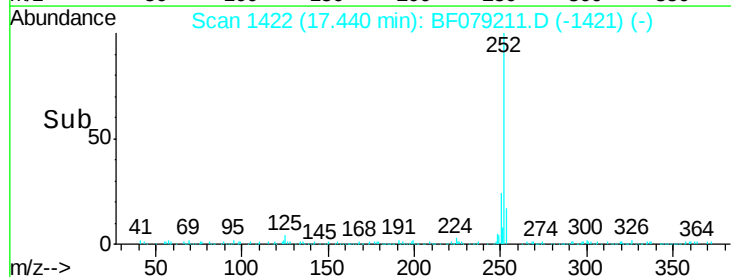
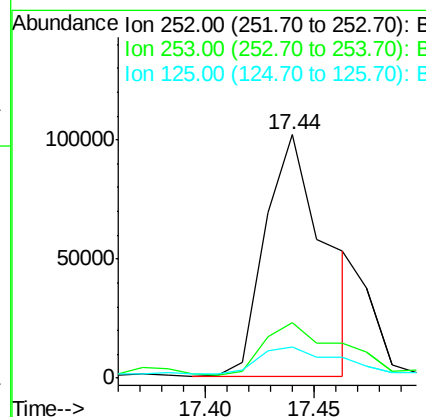
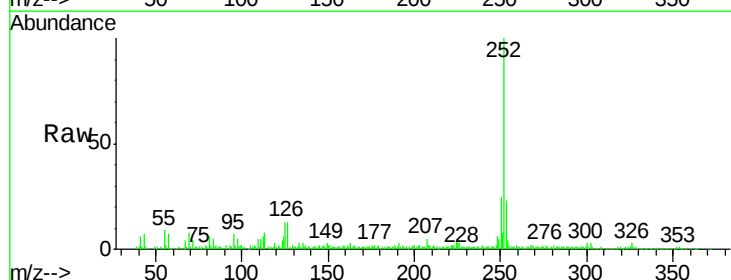
Instrument :
BNA_F
ClientSampleId :
SB-40D

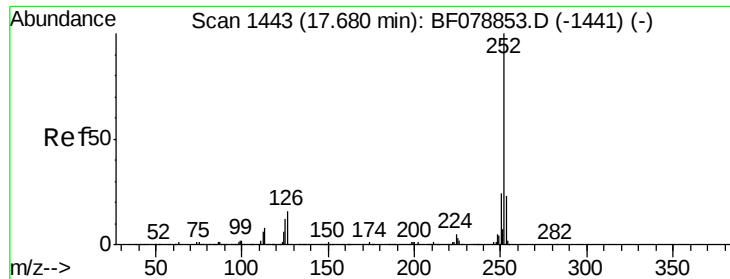
Tgt Ion:264 Resp: 267966
Ion Ratio Lower Upper
264 100
260 24.6 19.4 29.2
265 22.1 18.3 27.5



#87
Benzo(b)fluoranthene
Concen: 13.34 ng
RT: 17.44 min Scan# 1422
Delta R.T. -0.09 min
Lab File: BF079211.D
Acq: 13 May 2015 23:36

Tgt Ion:252 Resp: 195587
Ion Ratio Lower Upper
252 100
253 22.6 17.7 26.5
125 12.6 9.5 14.3

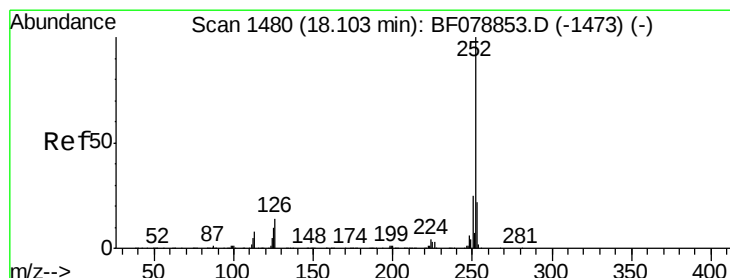
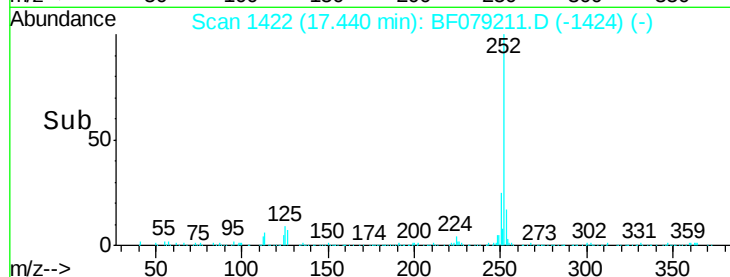
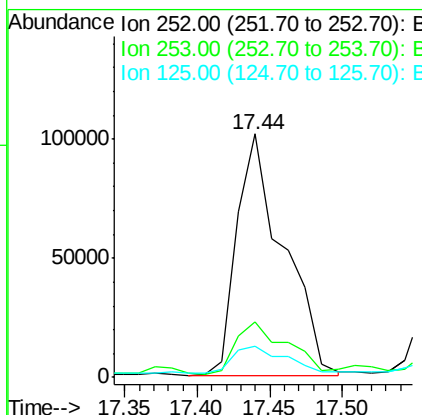
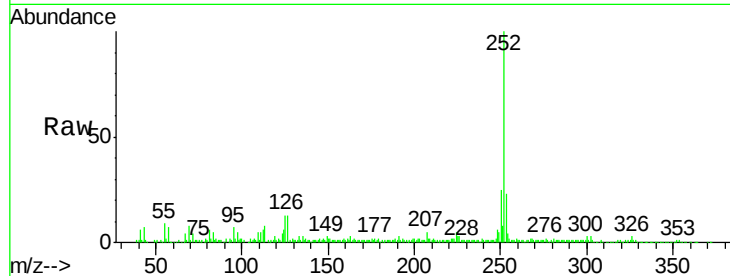




#88
Benzo(k)fluoranthene
Concen: 15.82 ng
RT: 17.44 min Scan# 1422
Delta R.T. -0.13 min
Lab File: BF079211.D
Acq: 13 May 2015 23:36

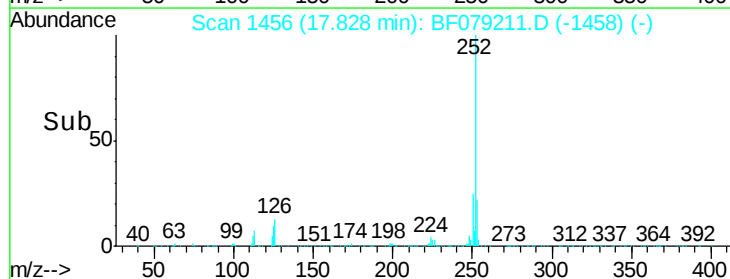
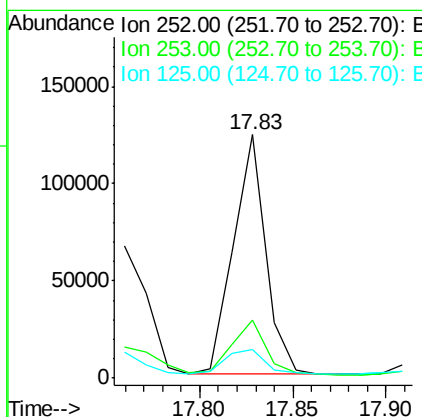
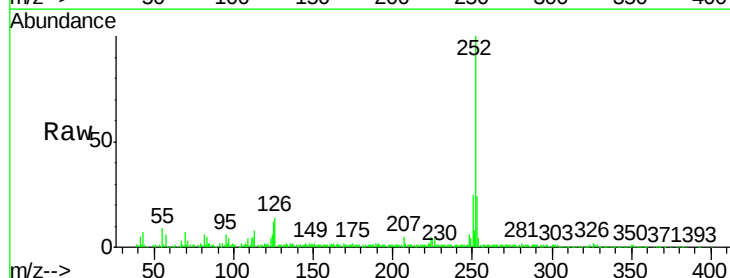
Instrument :
BNA_F
ClientSampleId :
SB-40D

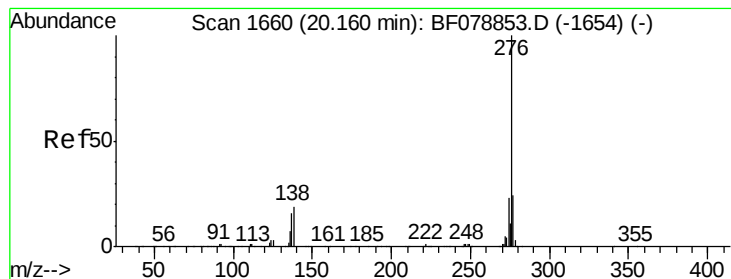
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	12.6	10.0	15.0



#89
Benzo(a)pyrene
Concen: 11.08 ng
RT: 17.83 min Scan# 1456
Delta R.T. -0.13 min
Lab File: BF079211.D
Acq: 13 May 2015 23:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.3	25.9
125	11.7	7.0	10.6#





#91

Benzo(g,h,i)perylene

Concen: 5.59 ng

RT: 19.76 min Scan# 1625

Delta R.T. -0.15 min

Lab File: BF079211.D

Acq: 13 May 2015 23:36

Instrument :

BNA_F

ClientSampleId :

SB-40D

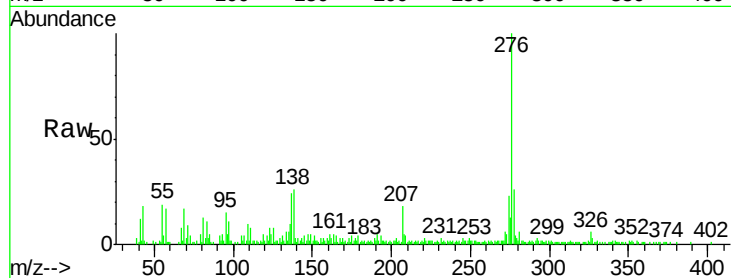
Tgt Ion: 276 Resp: 80398

Ion Ratio Lower Upper

276 100

277 25.6 18.6 28.0

138 26.0 17.4 26.0



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

