

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091615\
 Data File : BF081670.D
 Acq On : 17 Sep 2015 7:16
 Operator : UM/IZ
 Sample : G3654-01DL 10X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MGP203(2-4)DL

Quant Time: Sep 17 13:01:26 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 15 14:03:59 2015
 Response via : Initial Calibration

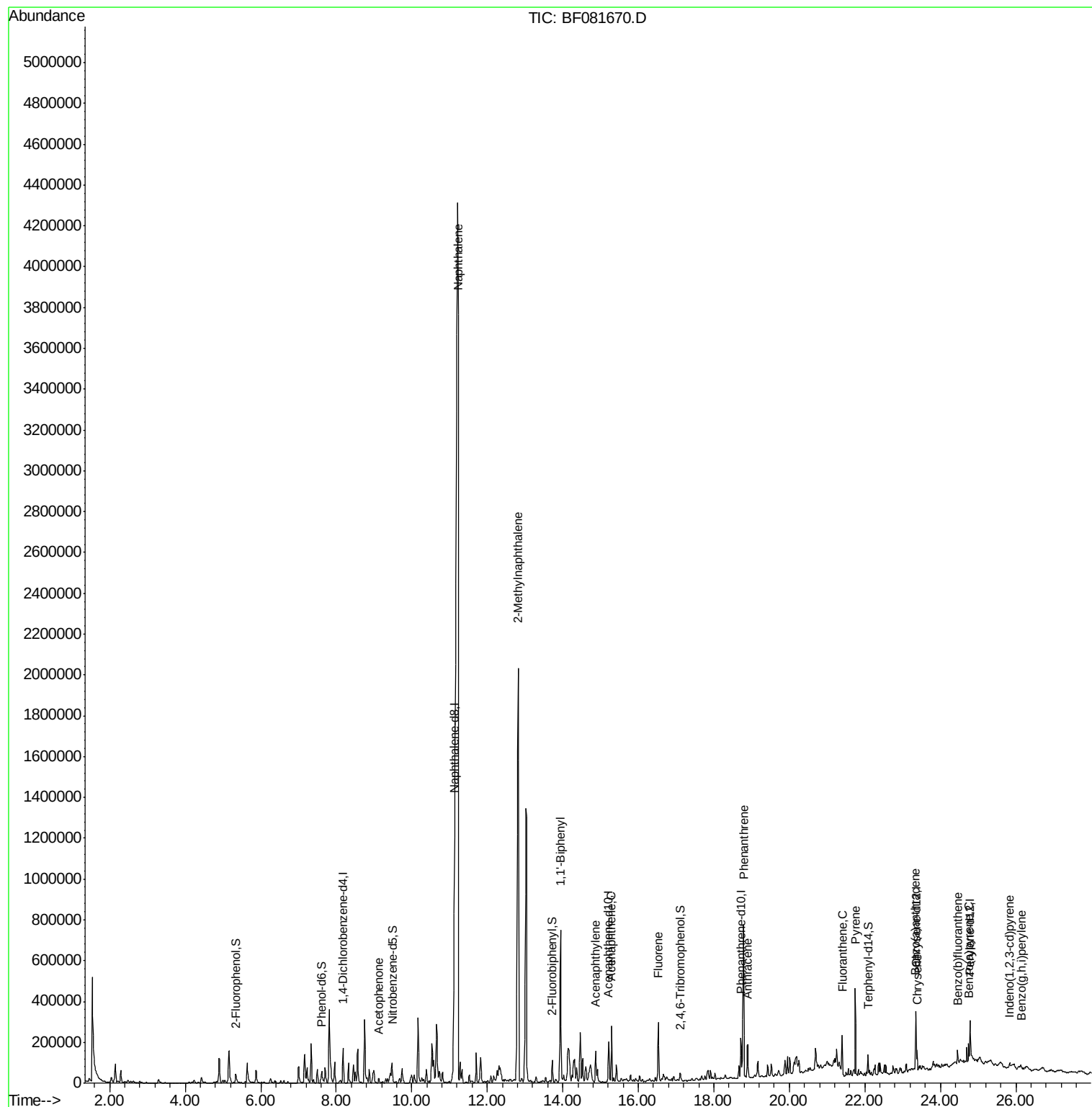
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	41249	20.00	ng	-0.03
21) Naphthalene-d8	11.13	136	162231	20.00	ng	0.01
38) Acenaphthene-d10	15.21	164	74067	20.00	ng	-0.05
63) Phenanthrene-d10	18.72	188	143562	20.00	ng	-0.03
75) Chrysene-d12	23.36	240	96485	20.00	ng	-0.02
86) Perylene-d12	24.79	264	76794	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	28791	10.83	ng	-0.01
7) Phenol-d6	7.61	99	42393	12.05	ng	-0.03
23) Nitrobenzene-d5	9.49	82	27951	8.31	ng	-0.05
41) 2,4,6-Tribromophenol	17.12	330	6973	10.57	ng	-0.05
44) 2-Fluorobiphenyl	13.73	172	48931	8.47	ng	-0.05
78) Terphenyl-d14	22.08	244	37668	9.09	ng	-0.03
Target Compounds						Qvalue
22) Acetophenone	9.12	105	13186m	2.98	ng	
31) Naphthalene	11.22	128	9449658	1092.20	ng	95
37) 2-Methylnaphthalene	12.82	142	1396472	248.03	ng	# 87
45) 1,1'-Biphenyl	13.94	154	409297	60.07	ng	95
48) Acenaphthylene	14.87	152	113466	13.00	ng	99
51) Acenaphthene	15.29	154	50085	10.08	ng	# 60
57) Fluorene	16.53	166	149258	27.12	ng	97
70) Phenanthrene	18.79	178	541502	67.85	ng	97
71) Anthracene	18.90	178	129697	15.82	ng	100
74) Fluoranthene	21.41	202	128360	14.86	ng	87
77) Pyrene	21.75	202	252524	35.33	ng	98
80) Benzo(a)anthracene	23.35	228	58561	9.53	ng	97
82) Chrysene	23.38	228	38834	7.05	ng	93
85) Indeno(1,2,3-cd)pyrene	25.83	276	12288	3.04	ng	# 85
87) Benzo(b)fluoranthene	24.46	252	28622m	5.22	ng	
89) Benzo(a)pyrene	24.74	252	33068	7.12	ng	# 87
91) Benzo(g,h,i)perylene	26.14	276	15111	4.41	ng	# 72

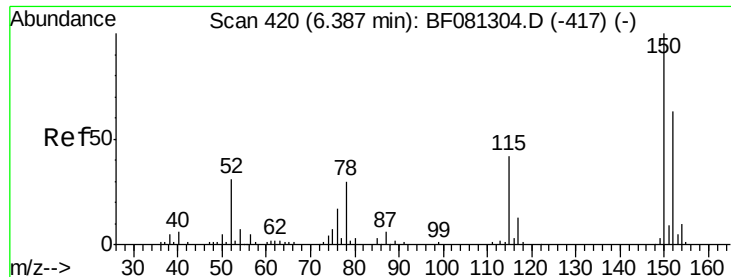
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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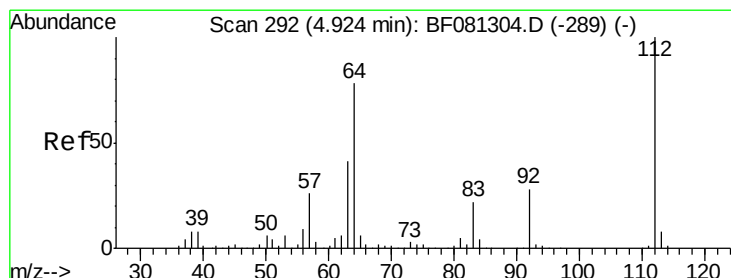
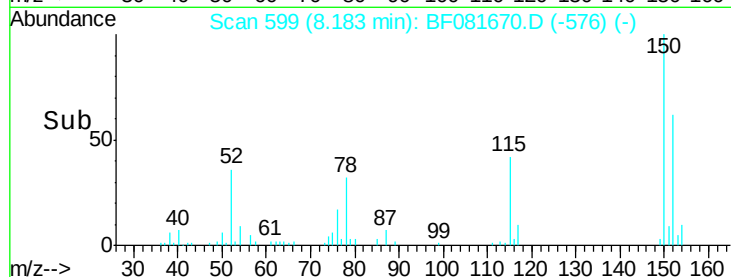
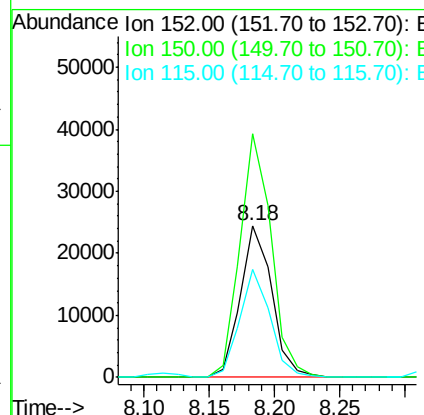
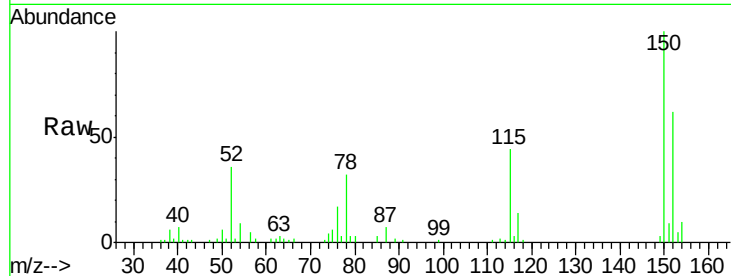




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.18 min Scan# 599
 Delta R.T. -0.03 min
 Lab File: BF081670.D
 Acq: 17 Sep 2015 7:16

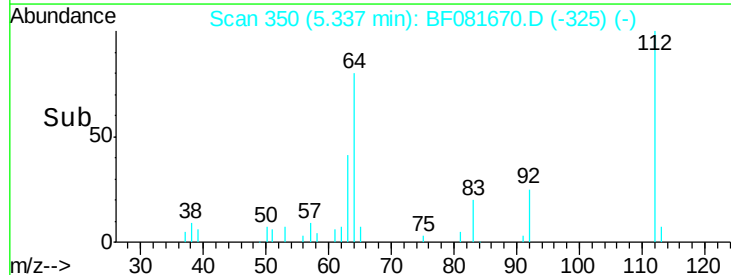
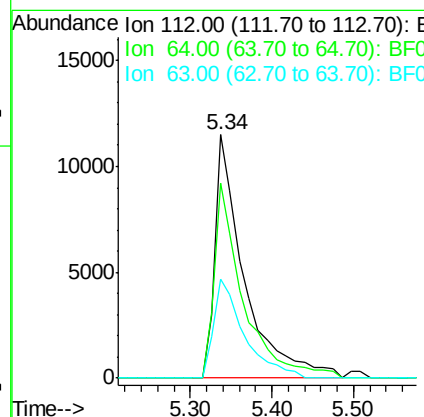
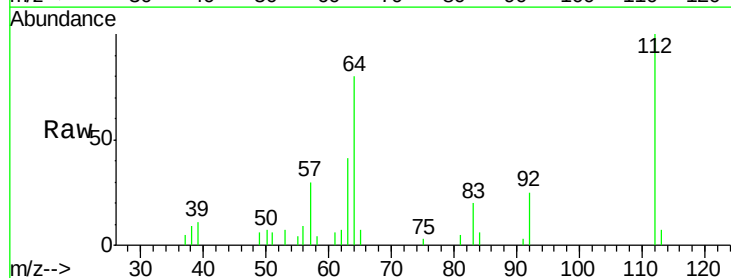
Instrument :
 BNA_F
 ClientSampleId :
 MGP203(2-4)DL

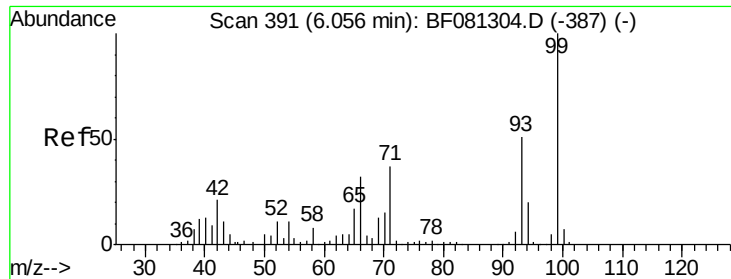
Tgt Ion:152 Resp: 41249
 Ion Ratio Lower Upper
 152 100
 150 160.3 124.7 187.1
 115 71.1 39.0 58.4#



#5
 2-Fluorophenol
 Concen: 10.83 ng
 RT: 5.34 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: BF081670.D
 Acq: 17 Sep 2015 7:16

Tgt Ion:112 Resp: 28791
 Ion Ratio Lower Upper
 112 100
 64 80.1 39.7 59.5#
 63 40.6 17.4 26.0#





#7

Phenol-d6

Concen: 12.05 ng

RT: 7.61 min Scan# 549

Delta R.T. -0.03 min

Lab File: BF081670.D

Acq: 17 Sep 2015 7:16

Instrument :

BNA_F

ClientSampleId :

MGP203(2-4)DL

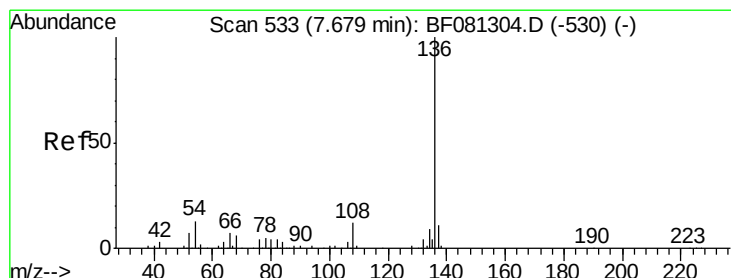
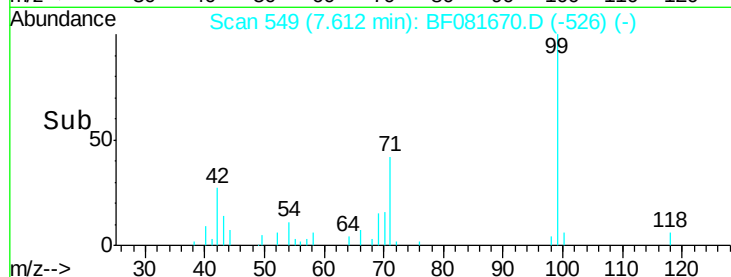
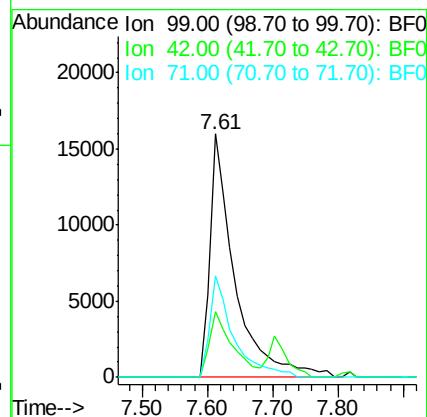
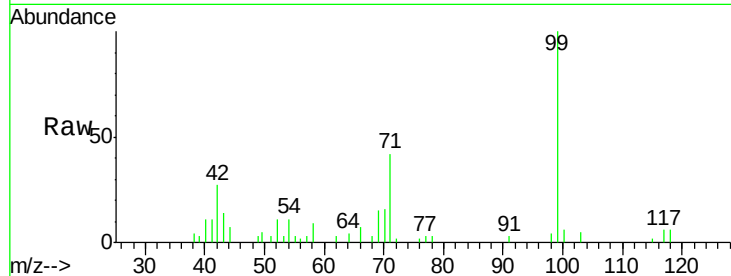
Tgt Ion: 99 Resp: 42393

Ion Ratio Lower Upper

99 100

42 26.9 13.7 20.5#

71 41.9 14.2 21.2#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.13 min Scan# 857

Delta R.T. 0.01 min

Lab File: BF081670.D

Acq: 17 Sep 2015 7:16

Tgt Ion: 136 Resp: 162231

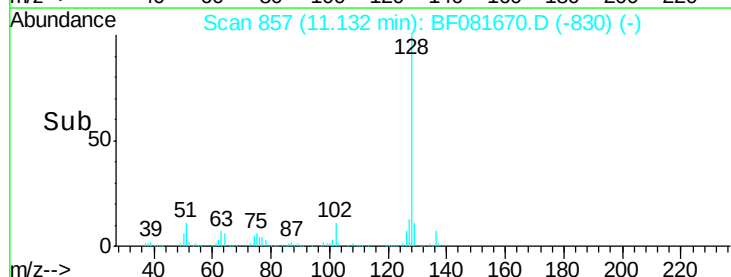
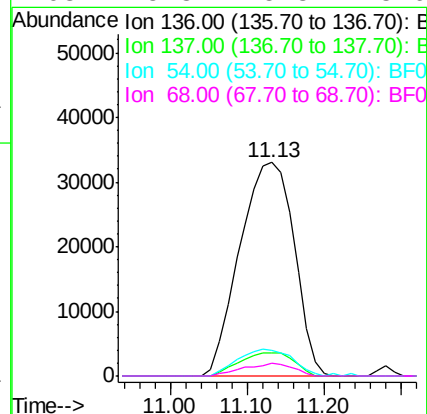
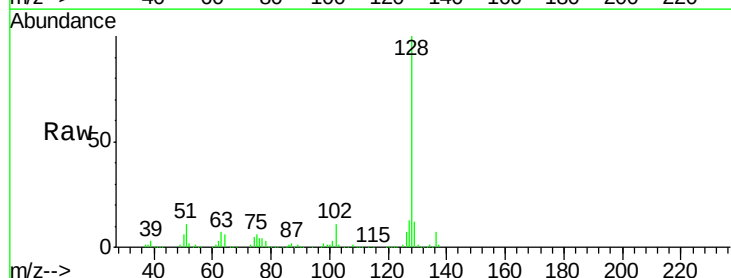
Ion Ratio Lower Upper

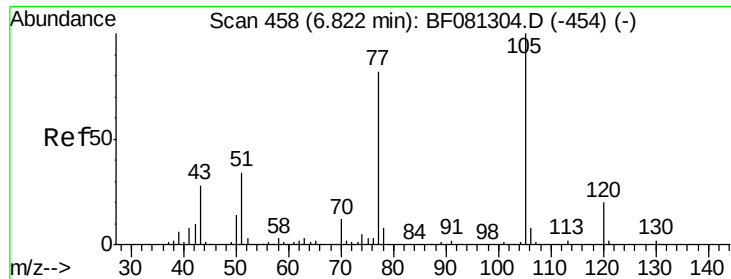
136 100

137 10.9 9.0 13.6

54 12.1 8.2 12.2

68 5.8 5.8 8.6





#22

Acetophenone

Concen: 2.98 ng m

RT: 9.12 min Scan# 681

Delta R.T. -0.09 min

Lab File: BF081670.D

Acq: 17 Sep 2015 7:16

Instrument :

BNA_F

ClientSampleId :

MGP203(2-4)DL

Tgt Ion: 105 Resp: 13186

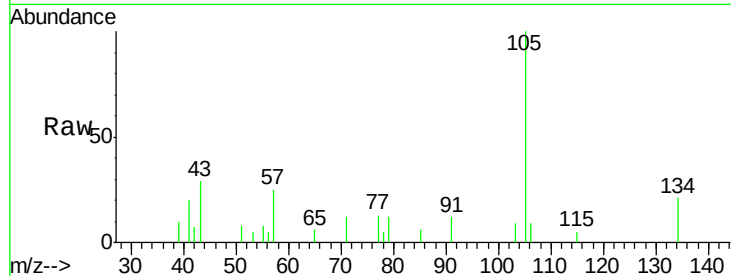
Ion Ratio Lower Upper

105 100

71 11.6 4.7 7.1#

51 7.7 22.0 33.0#

120 0.0 30.1 45.1#

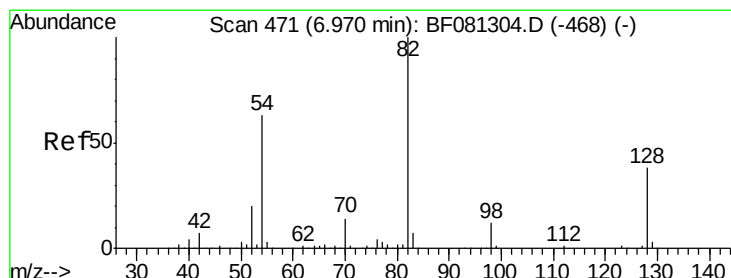
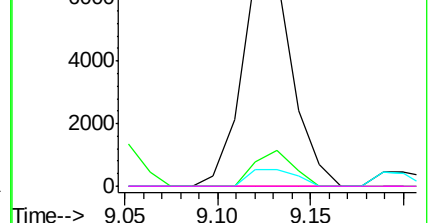
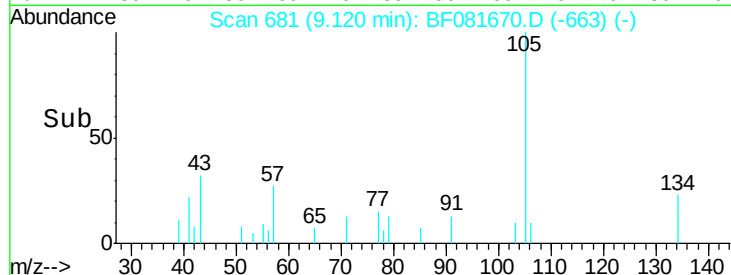


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 8.31 ng

RT: 9.49 min Scan# 713

Delta R.T. -0.05 min

Lab File: BF081670.D

Acq: 17 Sep 2015 7:16

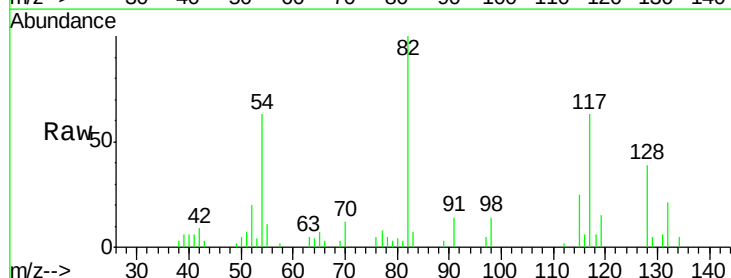
Tgt Ion: 82 Resp: 27951

Ion Ratio Lower Upper

82 100

128 39.4 51.0 76.6#

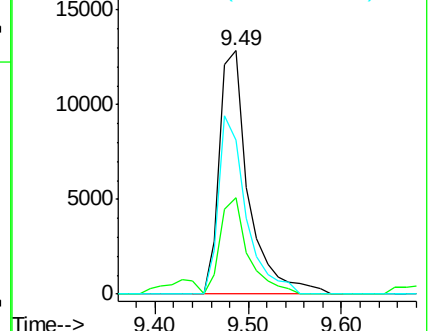
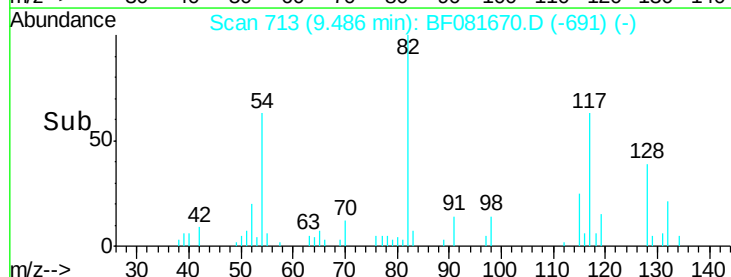
54 63.1 47.5 71.3

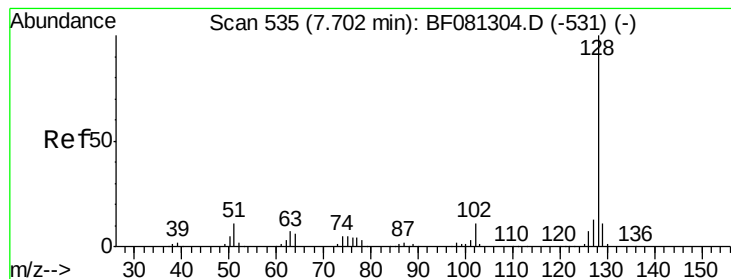


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 1092.20 ng

RT: 11.22 min Scan# 865

Delta R.T. 0.06 min

Lab File: BF081670.D

Acq: 17 Sep 2015 7:16

Instrument :

BNA_F

ClientSampleId :

MGP203(2-4)DL

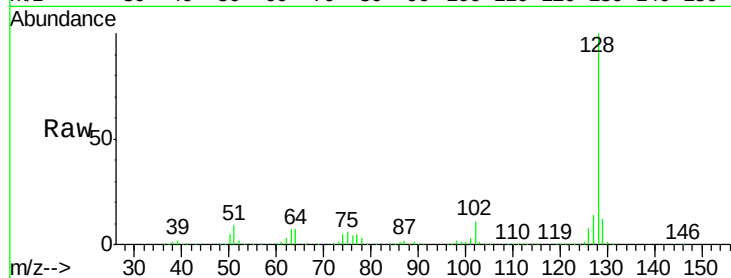
Tgt Ion:128 Resp: 9449658

Ion Ratio Lower Upper

128 100

129 12.3 8.4 12.6

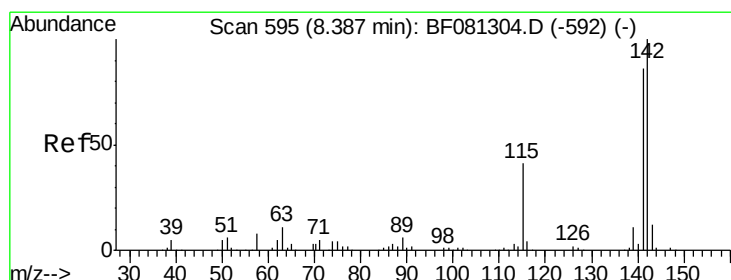
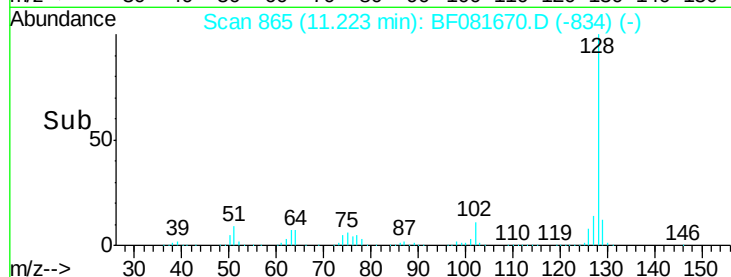
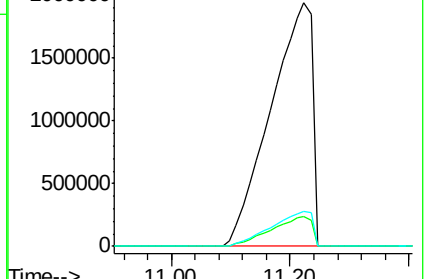
127 14.3 9.9 14.9



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: 248.03 ng

RT: 12.82 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BF081670.D

Acq: 17 Sep 2015 7:16

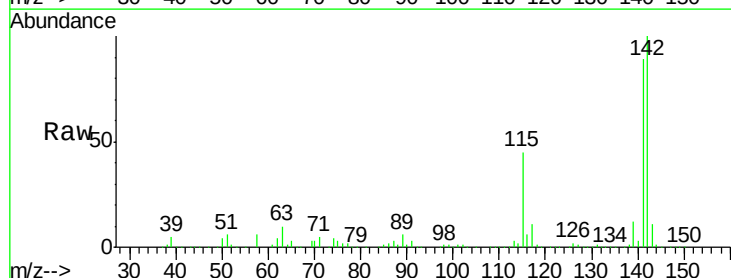
Tgt Ion:142 Resp: 1396472

Ion Ratio Lower Upper

142 100

141 88.6 67.5 101.3

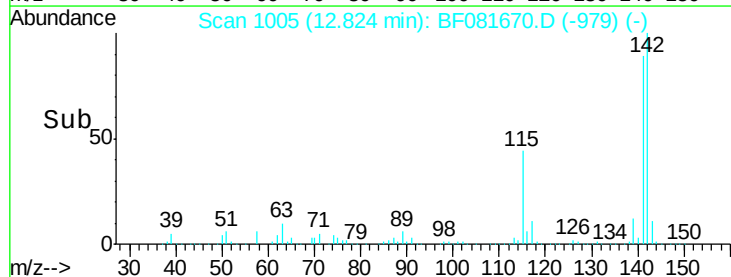
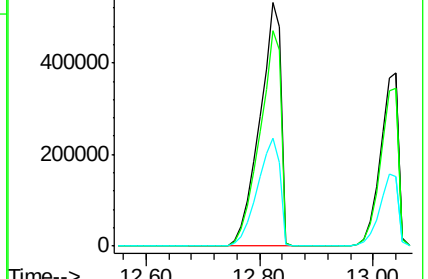
115 44.6 18.2 27.2#

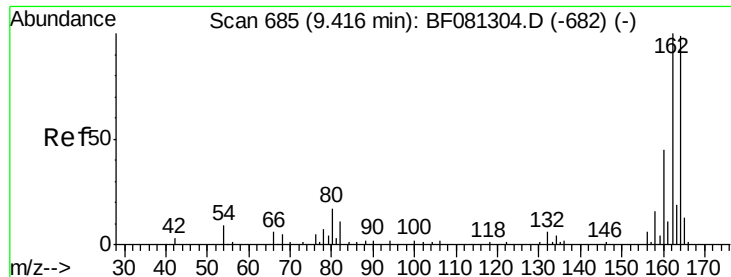


Abundance Ion 142.00 (141.70 to 142.70): E

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: 15.21 min Scan# 1214

Delta R.T. -0.05 min

Lab File: BF081670.D

Acq: 17 Sep 2015 7:16

Instrument :

BNA_F

ClientSampleId :

MGP203(2-4)DL

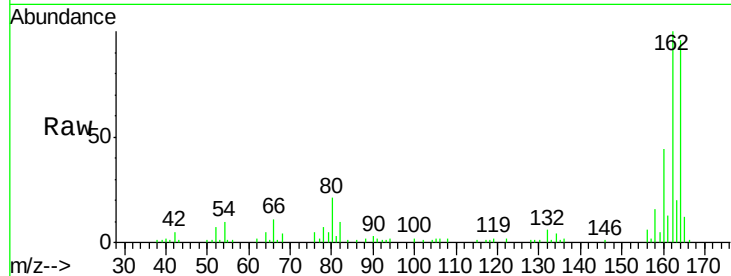
Tgt Ion:164 Resp: 74067

Ion Ratio Lower Upper

164 100

162 104.3 75.2 112.8

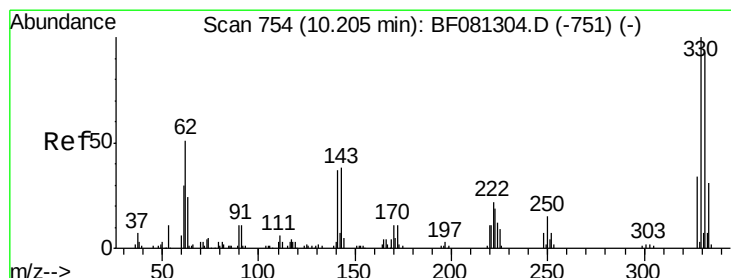
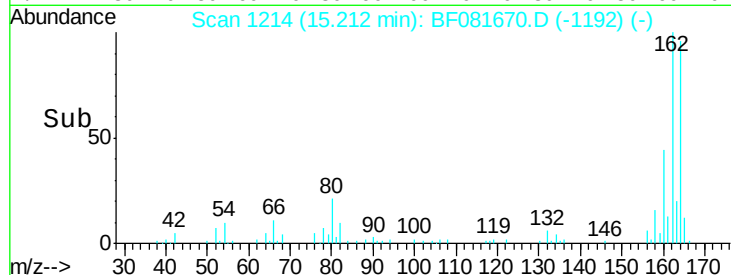
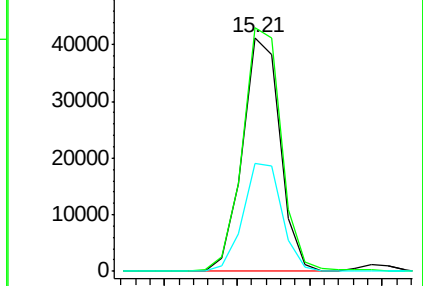
160 46.0 31.5 47.3



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: 10.57 ng

RT: 17.12 min Scan# 1381

Delta R.T. -0.05 min

Lab File: BF081670.D

Acq: 17 Sep 2015 7:16

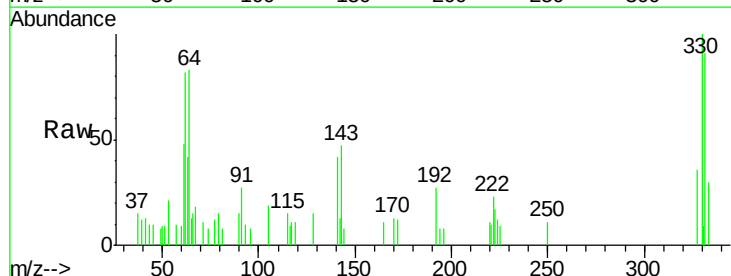
Tgt Ion:330 Resp: 6973

Ion Ratio Lower Upper

330 100

332 90.7 76.6 114.8

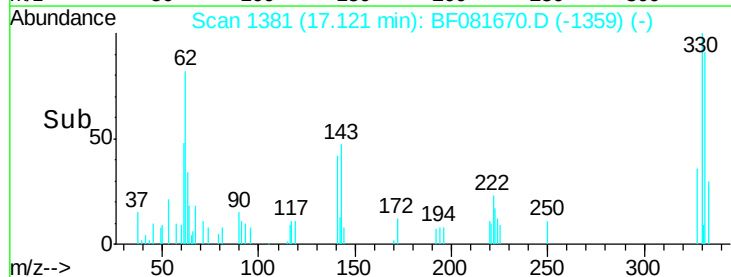
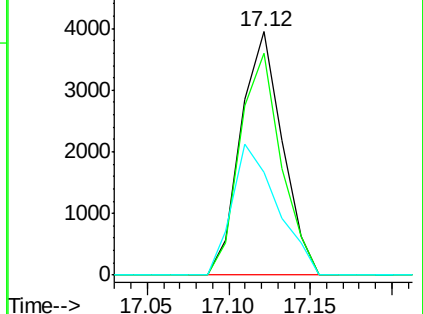
141 58.5 29.7 44.5#

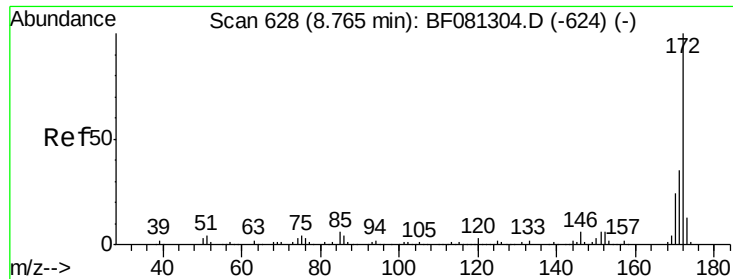


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

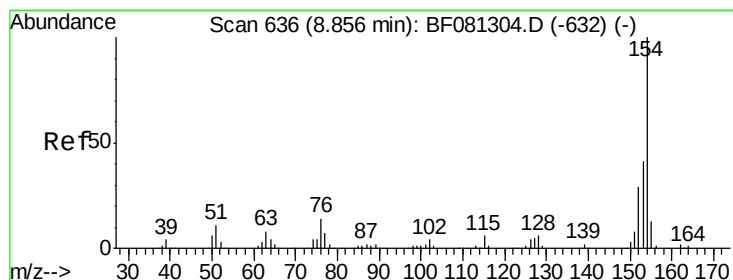
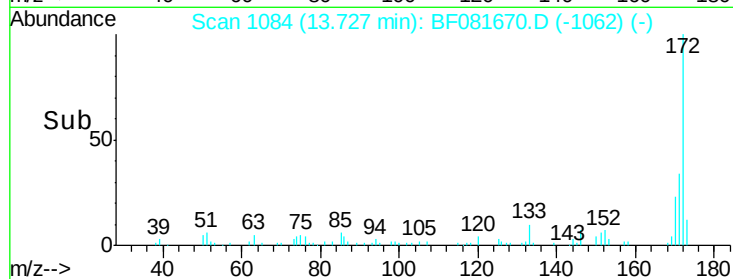
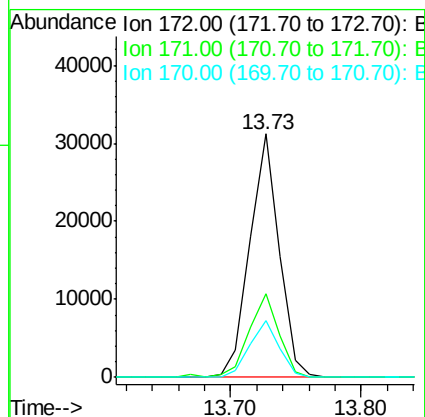
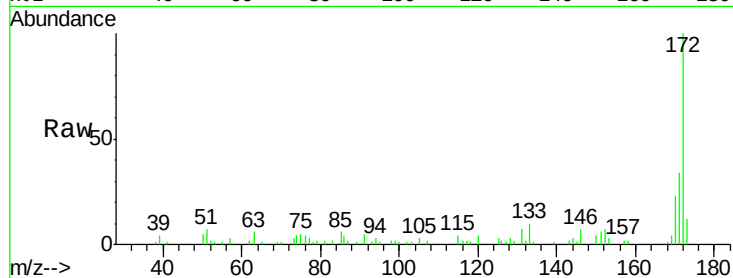




#44
 2-Fluorobiphenyl
 Concen: 8.47 ng
 RT: 13.73 min Scan# 1084
 Delta R.T. -0.05 min
 Lab File: BF081670.D
 Acq: 17 Sep 2015 7:16

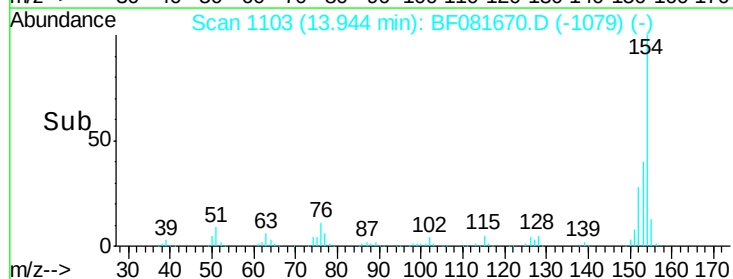
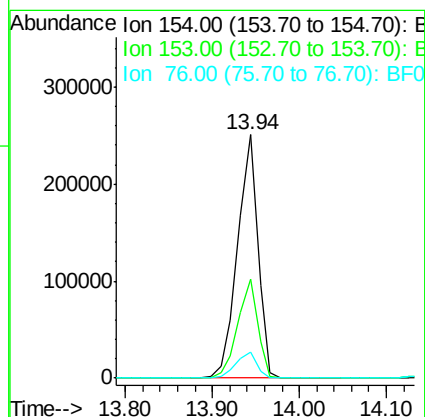
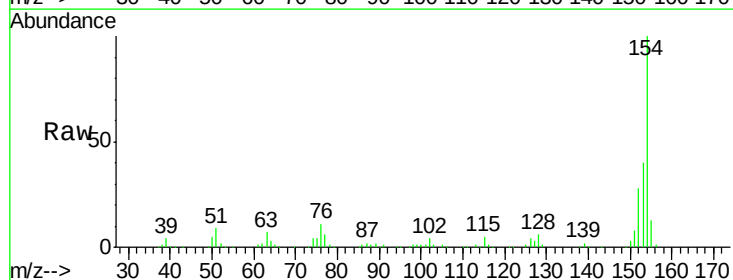
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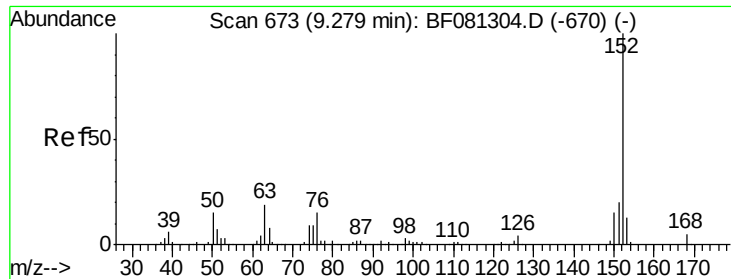
Tgt Ion:172 Resp: 48931
 Ion Ratio Lower Upper
 172 100
 171 34.4 26.1 39.1
 170 23.4 17.4 26.2



#45
 1,1'-Biphenyl
 Concen: 60.07 ng
 RT: 13.94 min Scan# 1103
 Delta R.T. -0.02 min
 Lab File: BF081670.D
 Acq: 17 Sep 2015 7:16

Tgt Ion:154 Resp: 409297
 Ion Ratio Lower Upper
 154 100
 153 40.4 17.1 57.1
 76 10.7 0.0 31.6





#48

Acenaphthylene

Concen: 13.00 ng

RT: 14.87 min Scan# 1184

Delta R.T. -0.05 min

Lab File: BF081670.D

Acq: 17 Sep 2015 7:16

Instrument :

BNA_F

ClientSampleId :

MGP203(2-4)DL

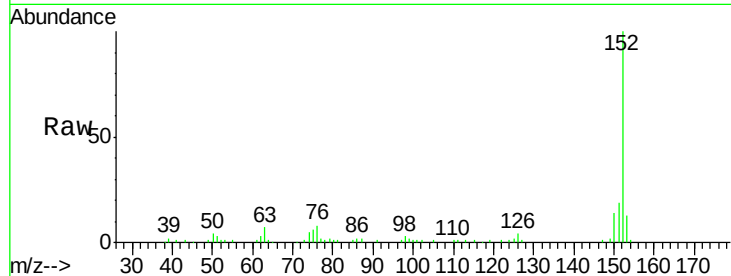
Tgt Ion:152 Resp: 113466

Ion Ratio Lower Upper

152 100

151 18.7 14.6 22.0

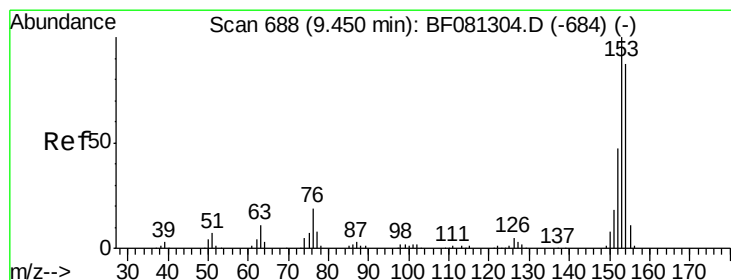
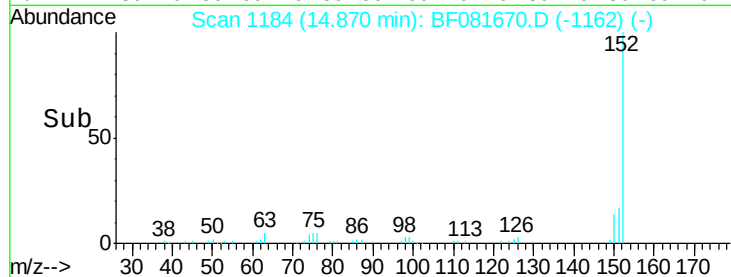
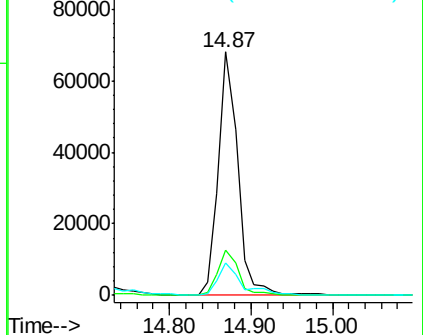
153 13.4 10.3 15.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#51

Acenaphthene

Concen: 10.08 ng

RT: 15.29 min Scan# 1221

Delta R.T. -0.05 min

Lab File: BF081670.D

Acq: 17 Sep 2015 7:16

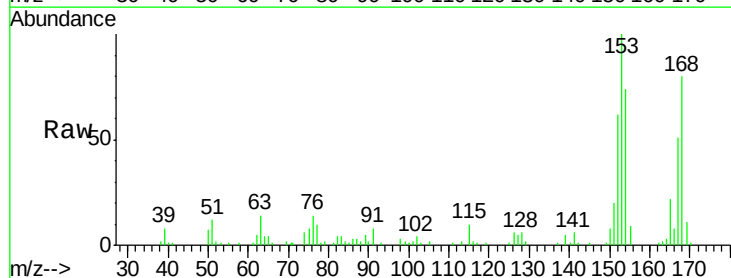
Tgt Ion:154 Resp: 50085

Ion Ratio Lower Upper

154 100

153 135.6 82.1 123.1#

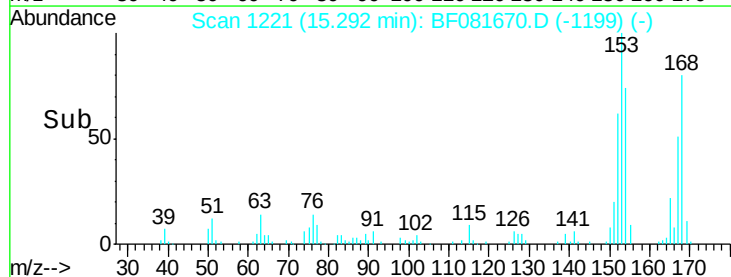
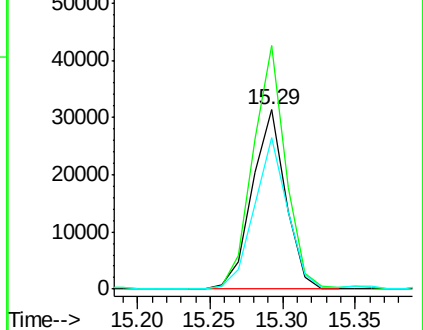
152 84.1 37.9 56.9#

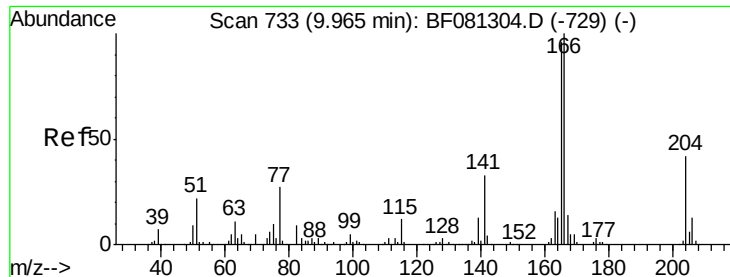


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#57

Fluorene

Concen: 27.12 ng

RT: 16.53 min Scan# 1329

Delta R.T. -0.05 min

Lab File: BF081670.D

Acq: 17 Sep 2015 7:16

Instrument :

BNA_F

ClientSampleId :

MGP203(2-4)DL

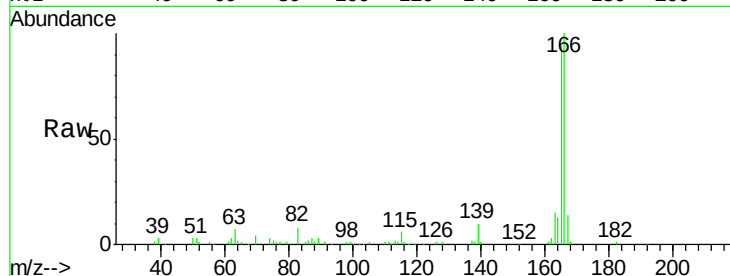
Tgt Ion:166 Resp: 149258

Ion Ratio Lower Upper

166 100

165 94.2 72.6 109.0

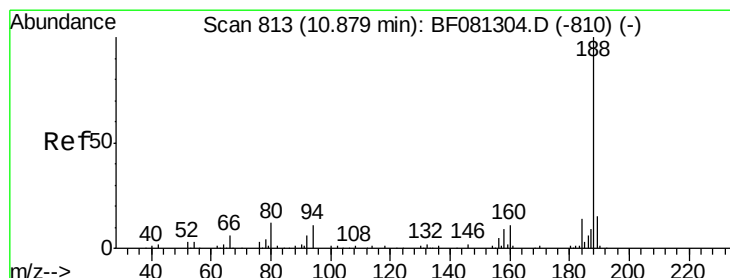
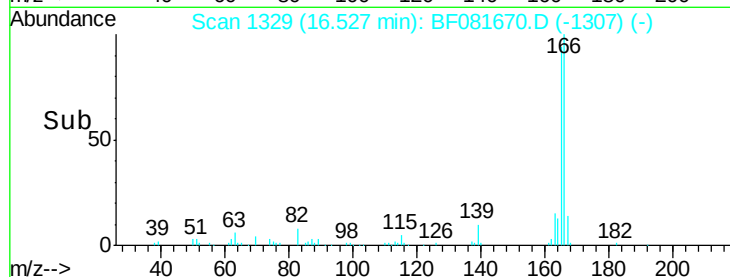
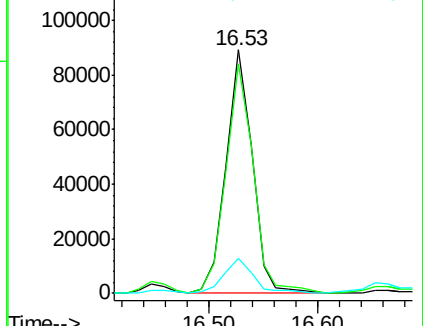
167 14.3 10.6 16.0



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: 18.72 min Scan# 1521

Delta R.T. -0.03 min

Lab File: BF081670.D

Acq: 17 Sep 2015 7:16

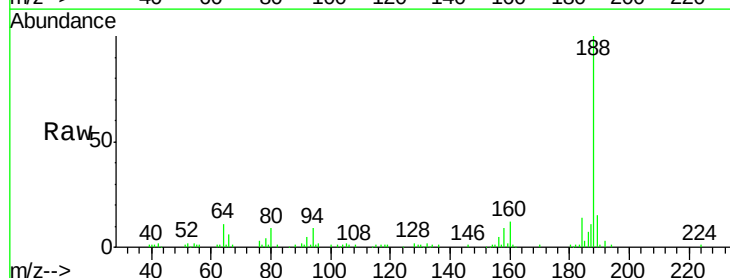
Tgt Ion:188 Resp: 143562

Ion Ratio Lower Upper

188 100

94 8.8 11.1 16.7#

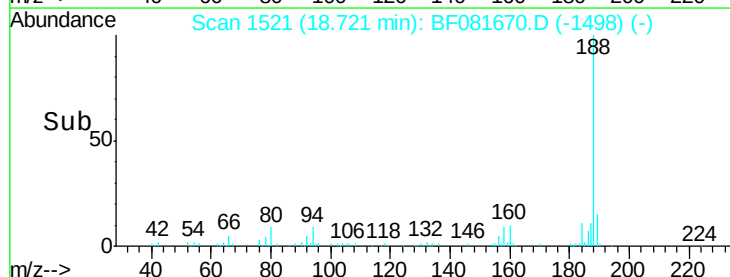
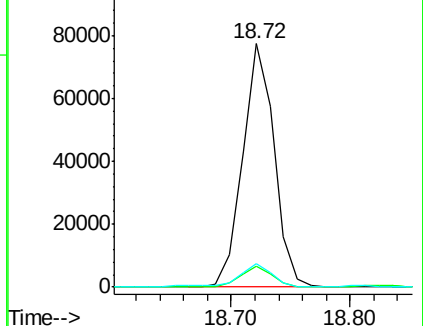
80 9.4 11.0 16.4#

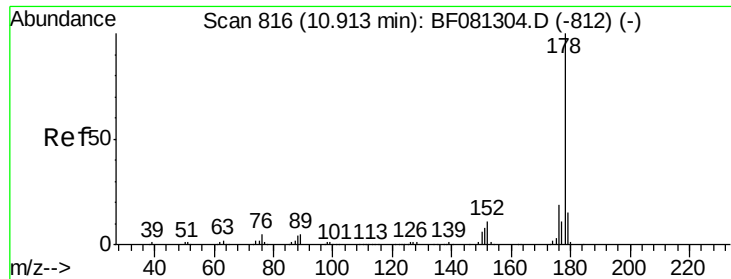


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

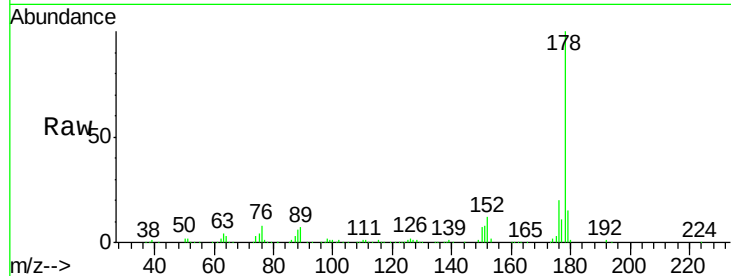




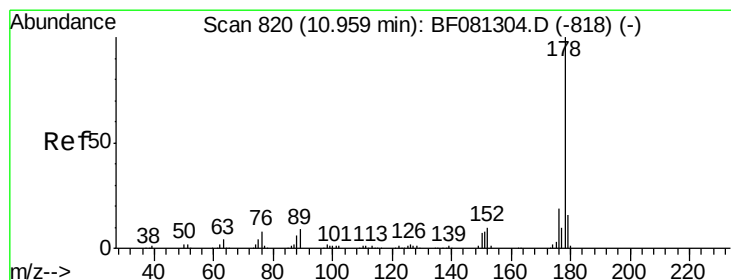
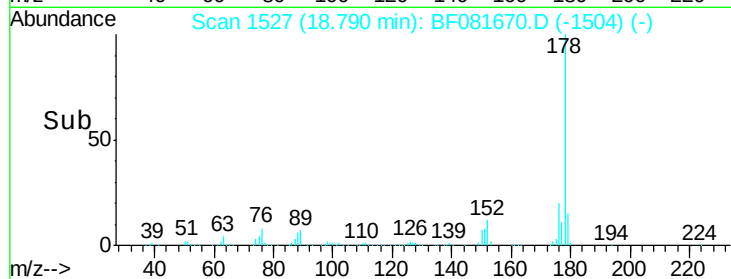
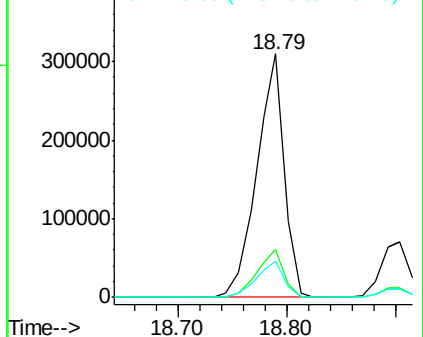
#70
Phenanthrene
Concen: 67.85 ng
RT: 18.79 min Scan# 1527
Delta R.T. -0.03 min
Lab File: BF081670.D
Acq: 17 Sep 2015 7:16

Instrument :
BNA_F
ClientSampleId :
MGP203(2-4)DL

Tgt Ion:178 Resp: 541502
Ion Ratio Lower Upper
178 100
176 19.7 13.8 20.8
179 15.2 12.2 18.2

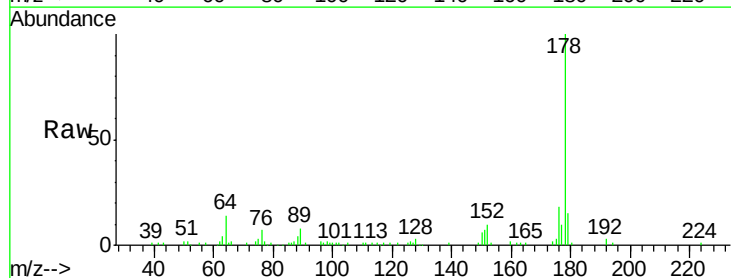


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

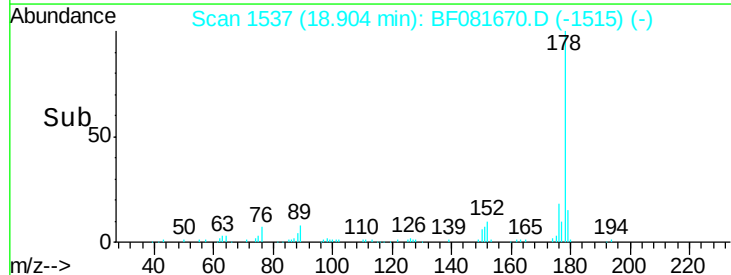
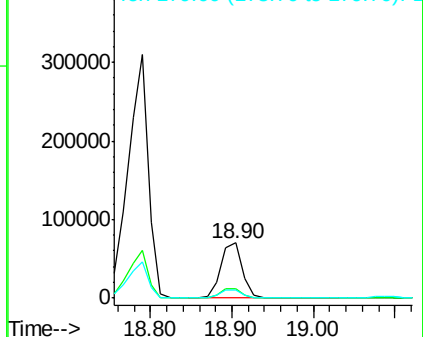


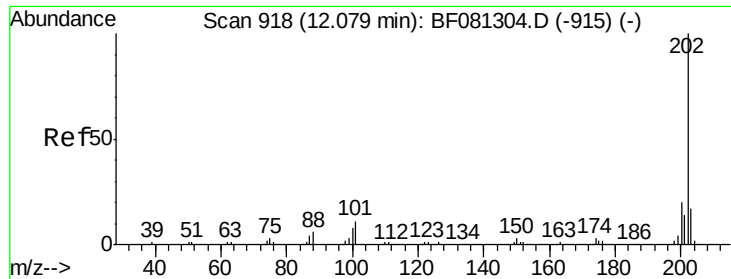
#71
Anthracene
Concen: 15.82 ng
RT: 18.90 min Scan# 1537
Delta R.T. -0.05 min
Lab File: BF081670.D
Acq: 17 Sep 2015 7:16

Tgt Ion:178 Resp: 129697
Ion Ratio Lower Upper
178 100
176 17.9 14.1 21.1
179 15.2 12.2 18.2



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

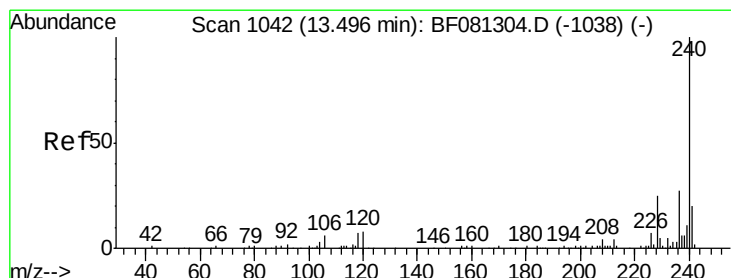
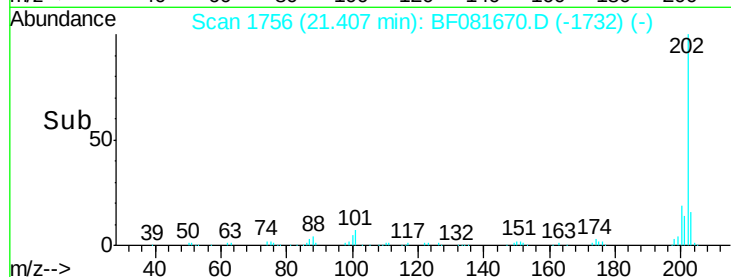
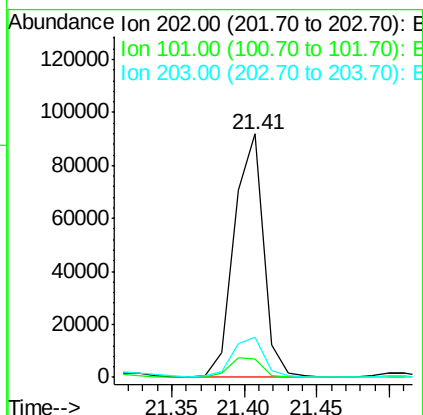
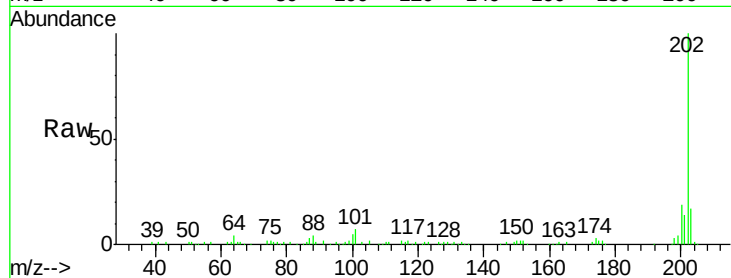




#74
 Fluoranthene
 Concen: 14.86 ng
 RT: 21.41 min Scan# 1756
 Delta R.T. -0.02 min
 Lab File: BF081670.D
 Acq: 17 Sep 2015 7:16

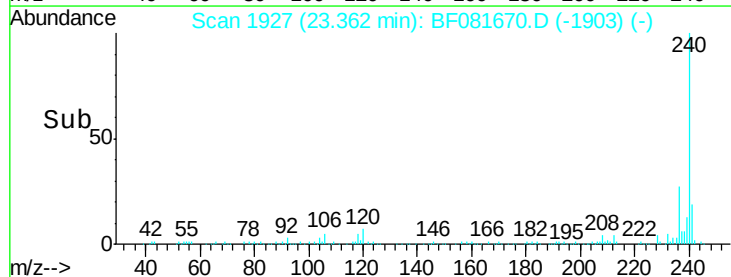
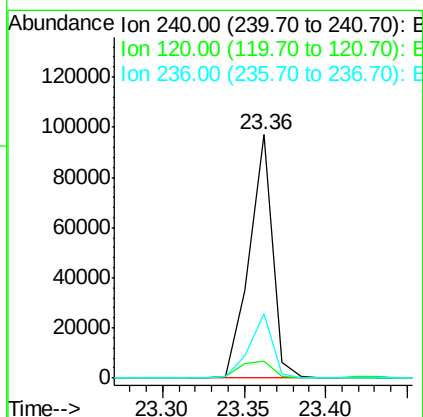
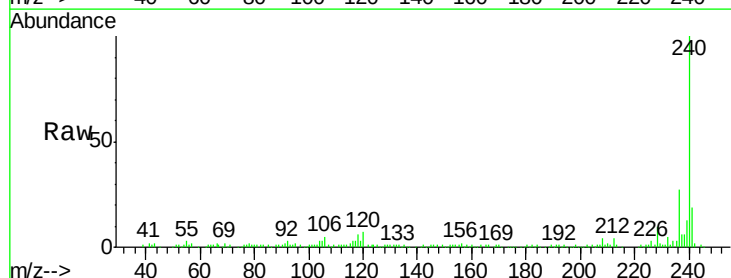
Instrument :
 BNA_F
 ClientSampleId :
 MGP203(2-4)DL

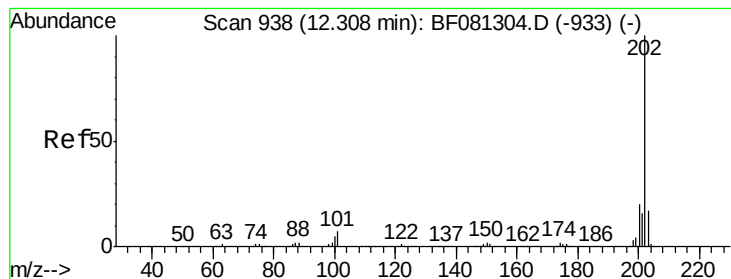
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	128360		
101	7.5	0.0	38.3	
203	16.7	0.0	37.3	



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 23.36 min Scan# 1927
 Delta R.T. -0.02 min
 Lab File: BF081670.D
 Acq: 17 Sep 2015 7:16

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	96485		
120	6.9	16.2	24.2#	
236	26.5	18.4	27.6	





#77

Pyrene

Concen: 35.33 ng

RT: 21.75 min Scan# 1786

Delta R.T. -0.03 min

Lab File: BF081670.D

Acq: 17 Sep 2015 7:16

Instrument :

BNA_F

ClientSampleId :

MGP203(2-4)DL

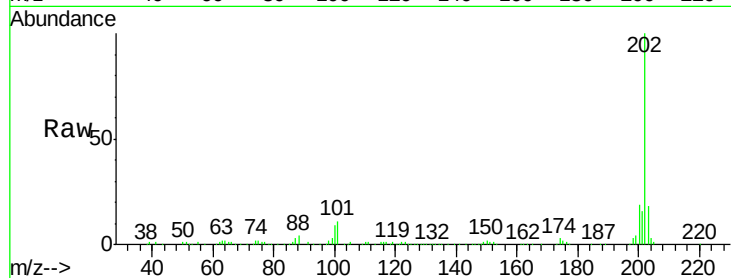
Tgt Ion: 202 Resp: 252524

Ion Ratio Lower Upper

202 100

200 19.5 15.0 22.4

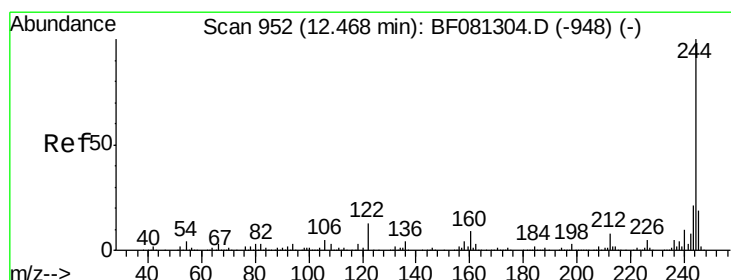
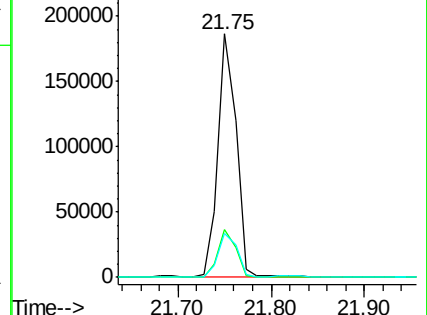
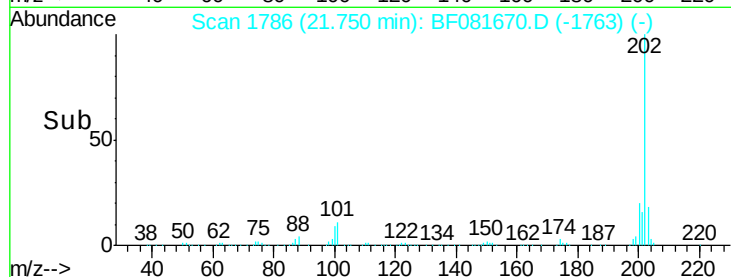
203 18.2 14.1 21.1



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: 9.09 ng

RT: 22.08 min Scan# 1815

Delta R.T. -0.03 min

Lab File: BF081670.D

Acq: 17 Sep 2015 7:16

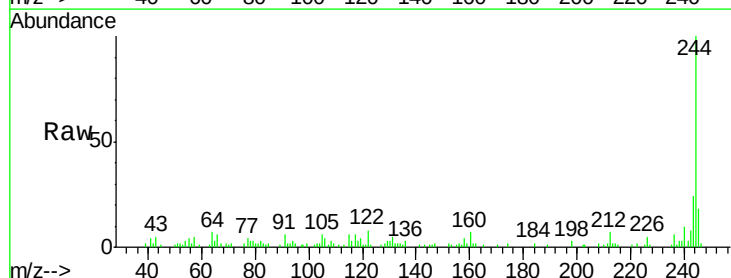
Tgt Ion: 244 Resp: 37668

Ion Ratio Lower Upper

244 100

212 7.0 4.3 6.5#

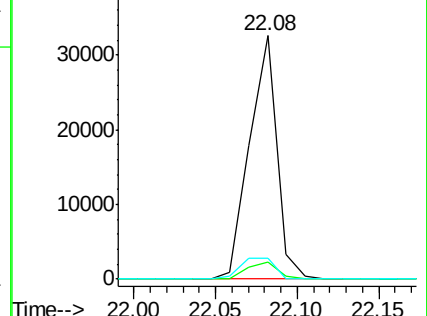
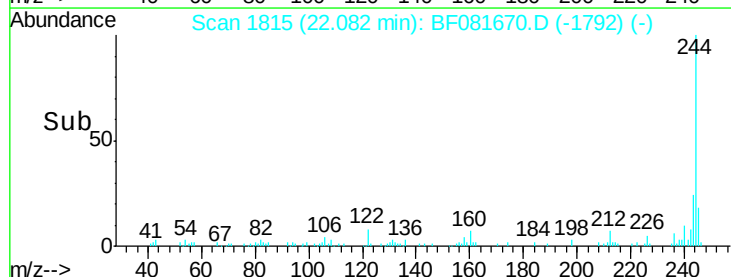
122 8.4 17.4 26.2#

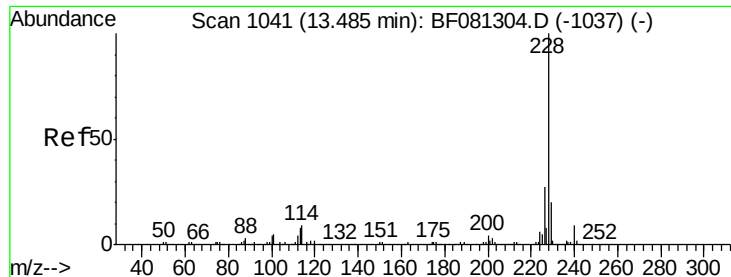


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 9.53 ng

RT: 23.35 min Scan# 1926

Delta R.T. -0.02 min

Lab File: BF081670.D

Acq: 17 Sep 2015 7:16

Instrument :

BNA_F

ClientSampleId :

MGP203(2-4)DL

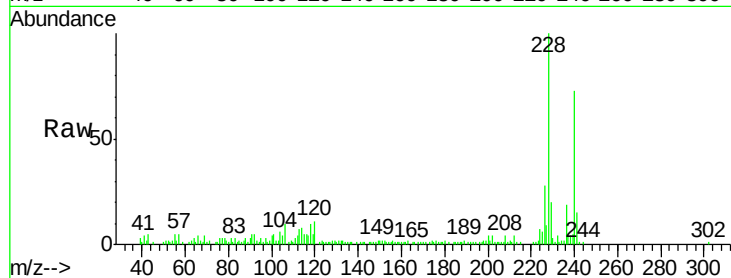
Tgt Ion:228 Resp: 58561

Ion Ratio Lower Upper

228 100

226 27.8 20.0 30.0

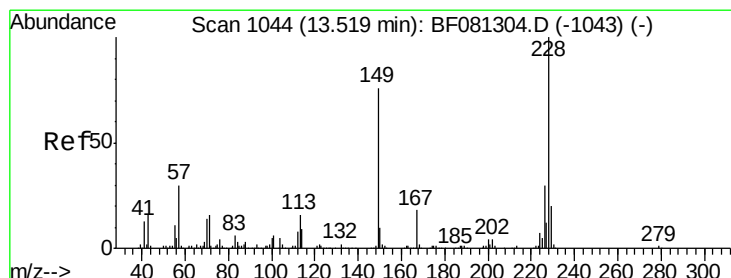
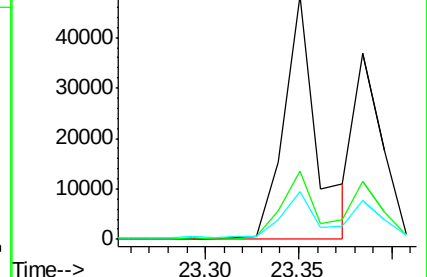
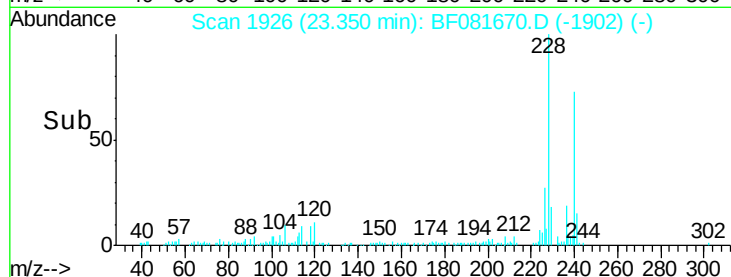
229 19.6 15.4 23.2



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: 7.05 ng

RT: 23.38 min Scan# 1929

Delta R.T. -0.03 min

Lab File: BF081670.D

Acq: 17 Sep 2015 7:16

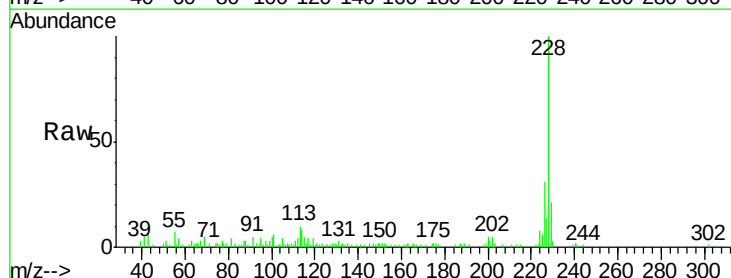
Tgt Ion:228 Resp: 38834

Ion Ratio Lower Upper

228 100

226 31.2 21.0 31.4

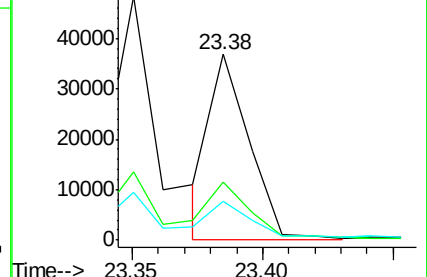
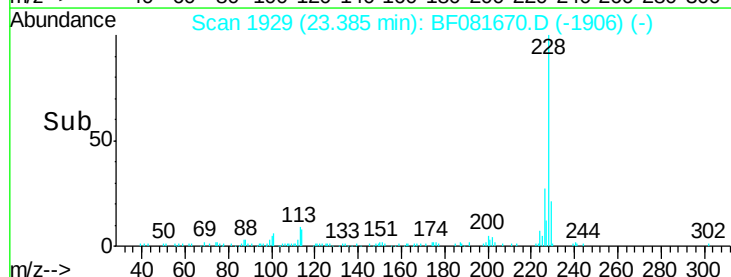
229 21.2 15.6 23.4

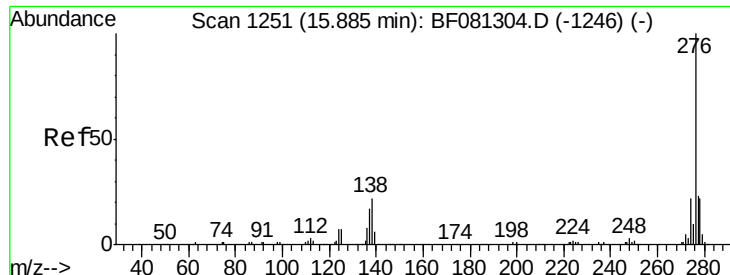


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

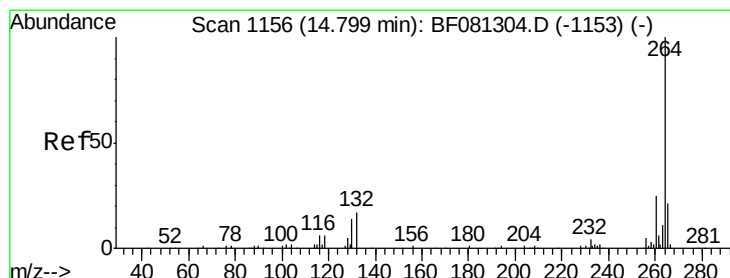
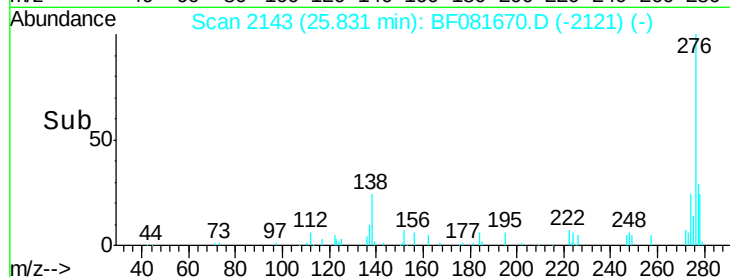
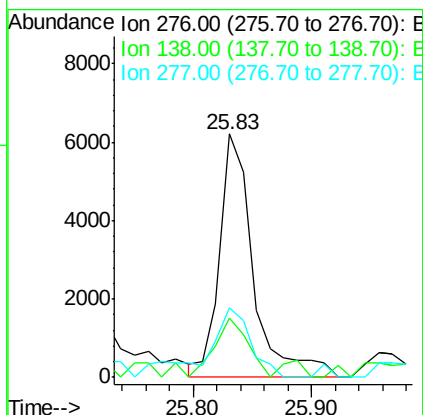
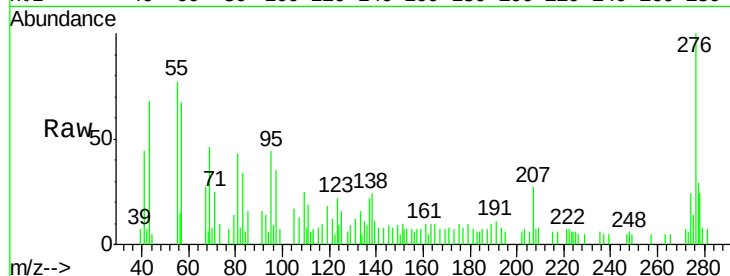




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.04 ng
 RT: 25.83 min Scan# 2143
 Delta R.T. -0.05 min
 Lab File: BF081670.D
 Acq: 17 Sep 2015 7:16

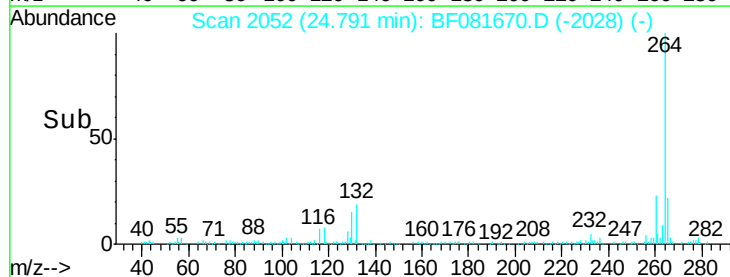
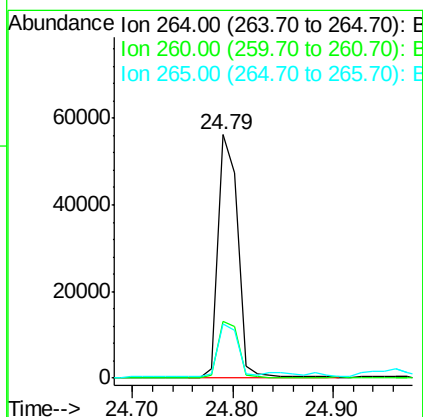
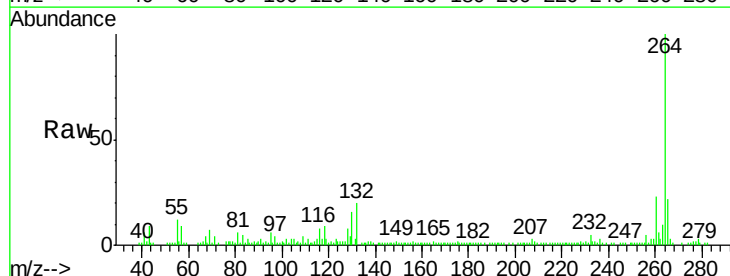
Instrument :
 BNA_F
 ClientSampleId :
 MGP203(2-4)DL

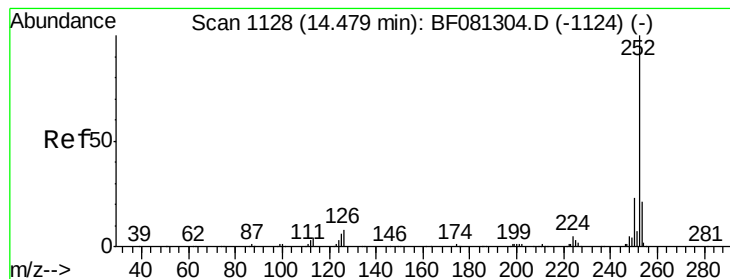
Tgt Ion: 276 Resp: 12288
 Ion Ratio Lower Upper
 276 100
 138 25.9 25.7 38.5
 277 29.7 15.6 23.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 24.79 min Scan# 2052
 Delta R.T. -0.02 min
 Lab File: BF081670.D
 Acq: 17 Sep 2015 7:16

Tgt Ion: 264 Resp: 76794
 Ion Ratio Lower Upper
 264 100
 260 23.1 16.7 25.1
 265 22.4 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 5.22 ng m

RT: 24.46 min Scan# 2023

Delta R.T. -0.02 min

Lab File: BF081670.D

Acq: 17 Sep 2015 7:16

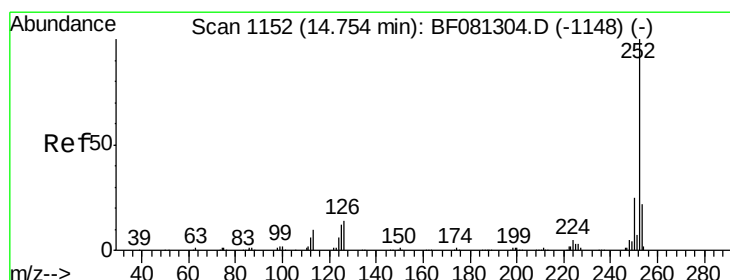
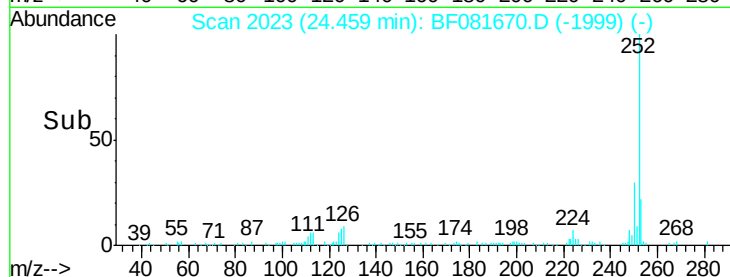
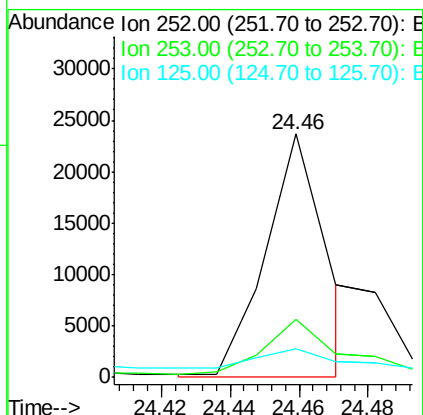
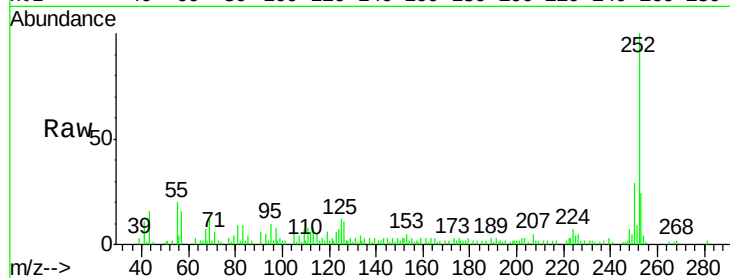
Instrument :

BNA_F

ClientSampleId :

MGP203(2-4)DL

Tgt Ion:	252	Resp:	28622
Ion Ratio		Lower	Upper
252	100		
253	23.6	17.5	26.3
125	11.6	17.1	25.7#



#89

Benzo(a)pyrene

Concen: 7.12 ng

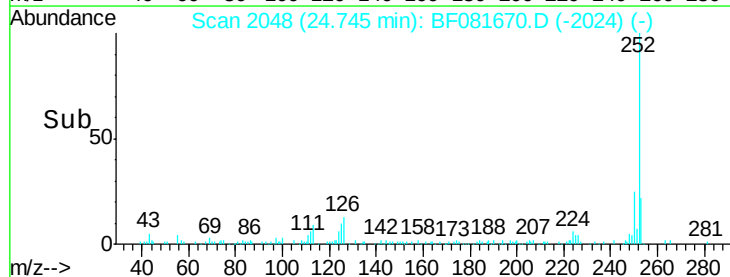
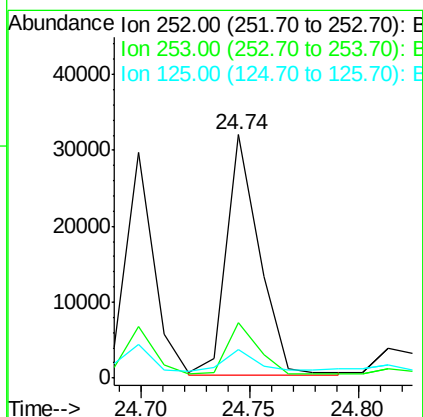
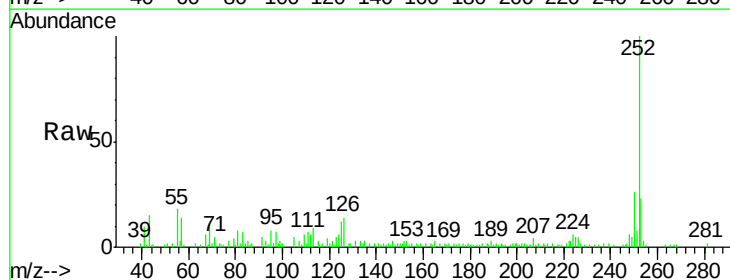
RT: 24.74 min Scan# 2048

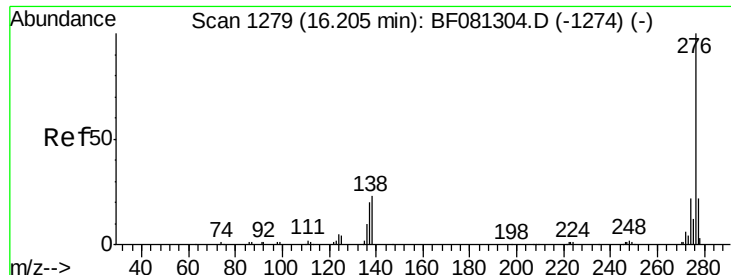
Delta R.T. -0.02 min

Lab File: BF081670.D

Acq: 17 Sep 2015 7:16

Tgt Ion:	252	Resp:	33068
Ion Ratio		Lower	Upper
252	100		
253	22.7	17.2	25.8
125	11.7	18.0	27.0#





#91

Benzo(g,h,i)perylene

Concen: 4.41 ng

RT: 26.14 min Scan# 2170

Delta R.T. -0.03 min

Lab File: BF081670.D

Acq: 17 Sep 2015 7:16

Instrument :

BNA_F

ClientSampleId :

MGP203(2-4)DL

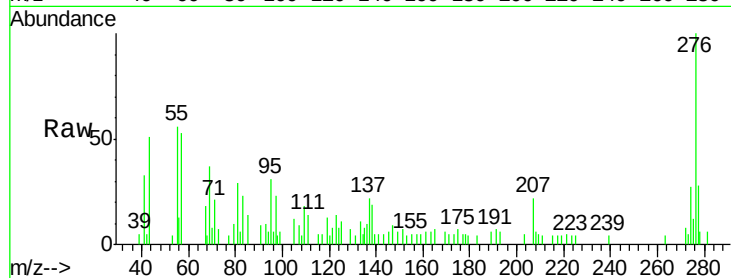
Tgt Ion: 276 Resp: 15111

Ion Ratio Lower Upper

276 100

277 27.5 17.8 26.6#

138 19.3 34.6 51.8#



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

