

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091715\
 Data File : BF081692.D
 Acq On : 17 Sep 2015 23:10
 Operator : UM/IZ
 Sample : G3654-05DL2 100X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MGP204(20-22)DL2

Quant Time: Sep 18 05:49:36 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

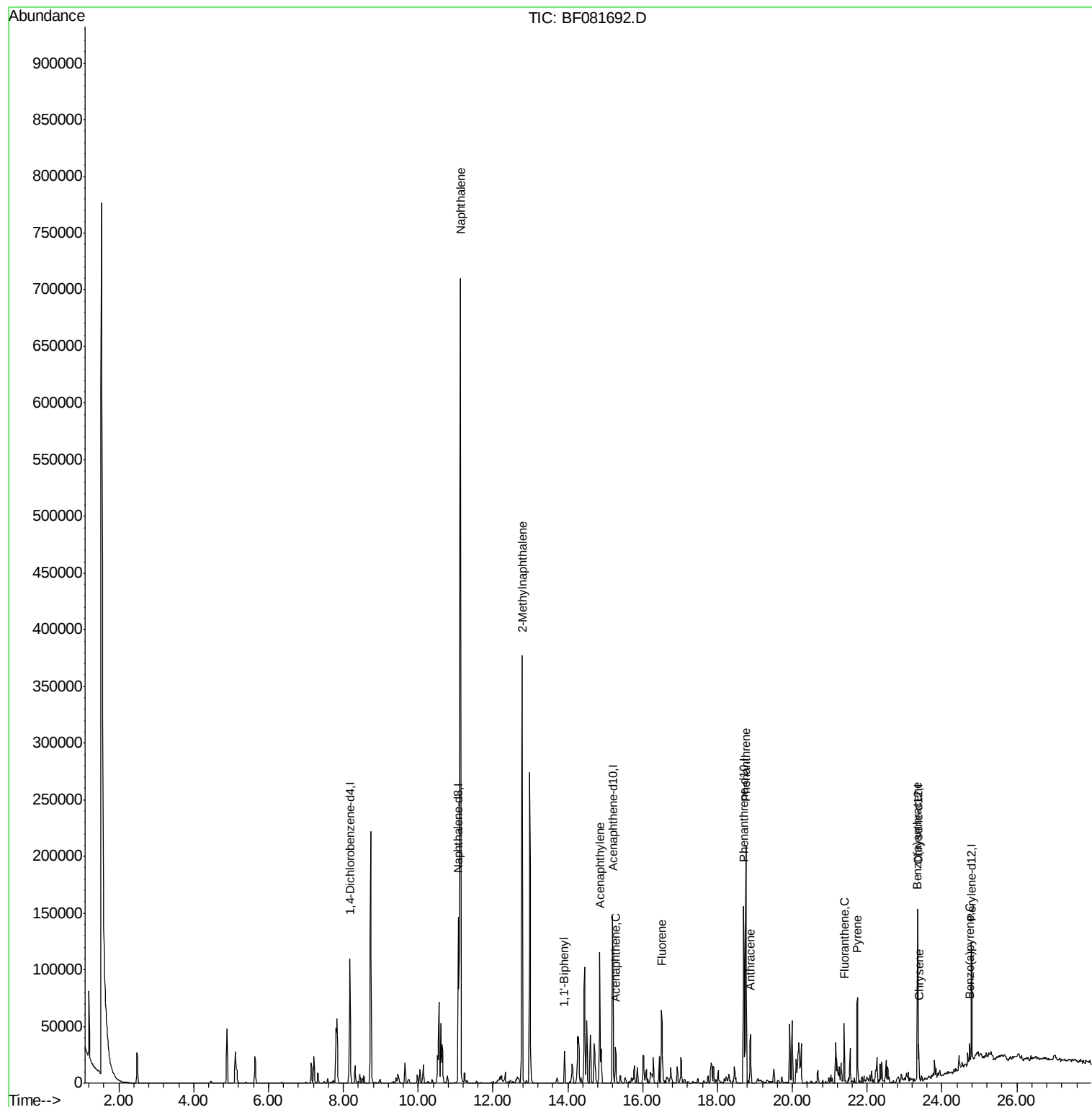
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	27610	20.00	ng	-0.04
21) Naphthalene-d8	11.08	136	118835	20.00	ng	-0.04
38) Acenaphthene-d10	15.20	164	56464	20.00	ng	-0.06
63) Phenanthrene-d10	18.70	188	107758	20.00	ng	-0.06
75) Chrysene-d12	23.35	240	65230	20.00	ng	-0.03
86) Perylene-d12	24.79	264	52315	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	1205	0.68	ng	0.04
7) Phenol-d6	7.67	99	2961	1.26	ng	0.02
23) Nitrobenzene-d5	9.49	82	1918	0.78	ng	-0.04
41) 2,4,6-Tribromophenol	17.12	330	472	0.94	ng	-0.04
44) 2-Fluorobiphenyl	13.71	172	5073	1.15	ng	-0.07
78) Terphenyl-d14	22.07	244	3810	1.36	ng	-0.04
Target Compounds						Qvalue
31) Naphthalene	11.13	128	628927	99.24	ng	98
37) 2-Methylnaphthalene	12.78	142	192051	46.57	ng	# 90
45) 1,1'-Biphenyl	13.91	154	18480	3.56	ng	94
48) Acenaphthylene	14.85	152	89228	13.41	ng	96
51) Acenaphthene	15.27	154	8422	2.22	ng	# 72
57) Fluorene	16.51	166	37769	9.00	ng	# 90
70) Phenanthrene	18.76	178	137075	22.88	ng	97
71) Anthracene	18.88	178	35898	5.83	ng	98
74) Fluoranthene	21.39	202	32985	5.09	ng	87
77) Pyrene	21.74	202	55345	11.45	ng	98
80) Benzo(a)anthracene	23.34	228	19361	4.66	ng	# 88
82) Chrysene	23.37	228	13180	3.54	ng	# 85
89) Benzo(a)pyrene	24.73	252	8245	2.61	ng	# 88

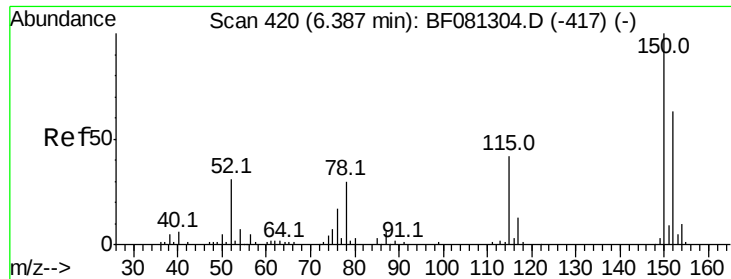
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.17 min Scan# 620

Delta R.T. -0.04 min

Lab File: BF081692.D

Acq: 17 Sep 2015 23:10

Instrument :

BNA_F

ClientSampleId :

MGP204(20-22)DL2

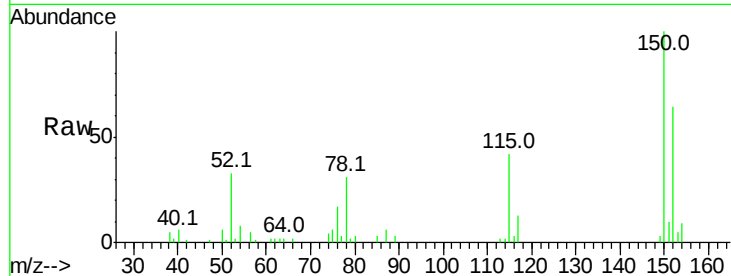
Tgt Ion:152 Resp: 27610

Ion Ratio Lower Upper

152 100

150 155.3 124.7 187.1

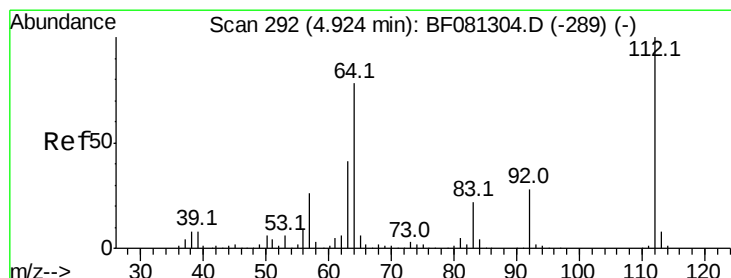
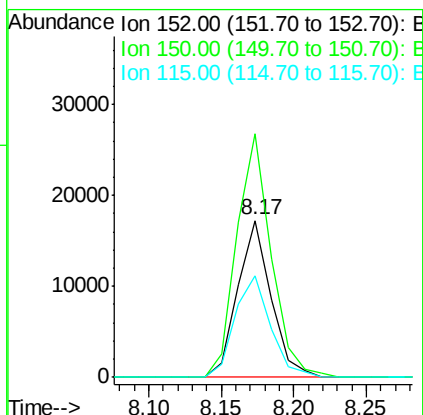
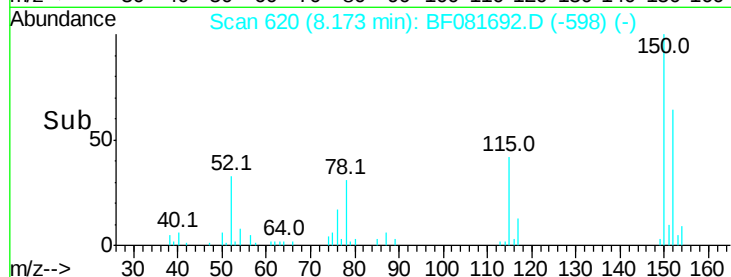
115 65.1 39.0 58.4#



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: 0.68 ng

RT: 5.38 min Scan# 376

Delta R.T. 0.04 min

Lab File: BF081692.D

Acq: 17 Sep 2015 23:10

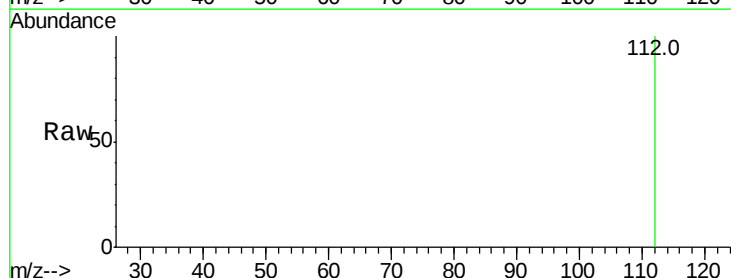
Tgt Ion:112 Resp: 1205

Ion Ratio Lower Upper

112 100

64 0.0 39.7 59.5#

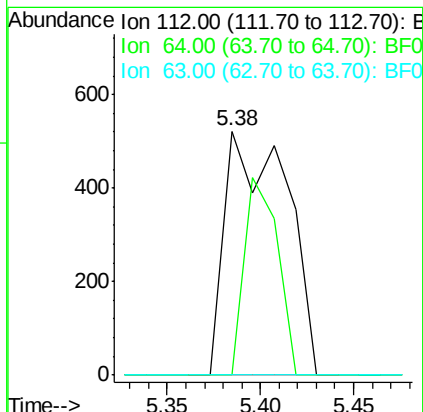
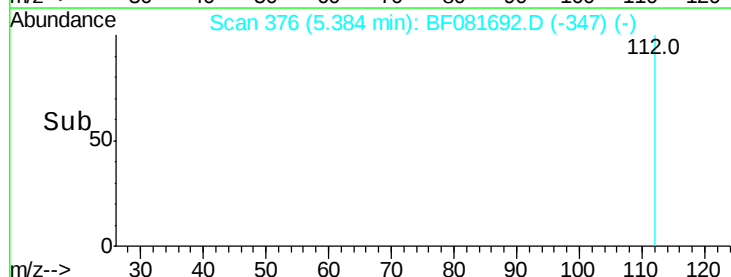
63 0.0 17.4 26.0#

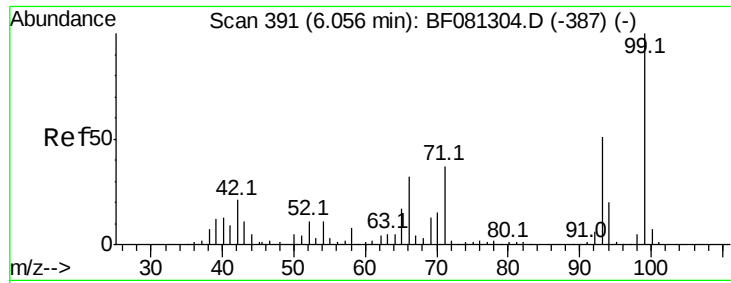


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 1.26 ng

RT: 7.67 min Scan# 576

Delta R.T. 0.02 min

Lab File: BF081692.D

Acq: 17 Sep 2015 23:10

Instrument :

BNA_F

ClientSampleId :

MGP204(20-22)DL2

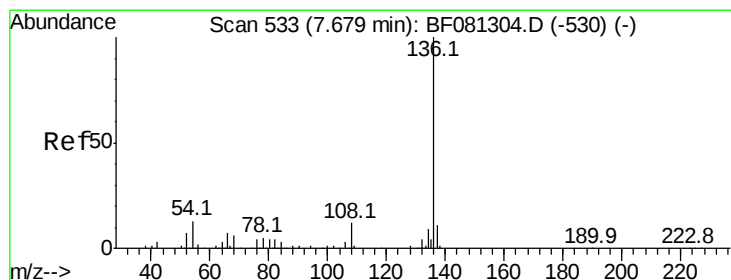
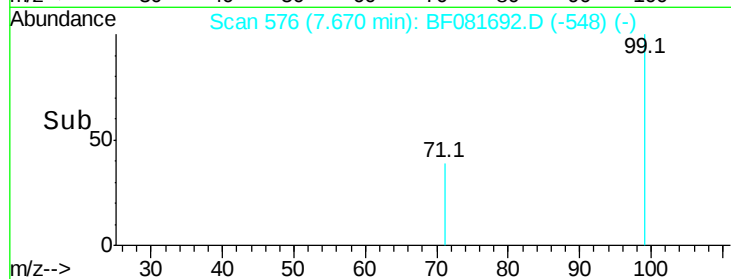
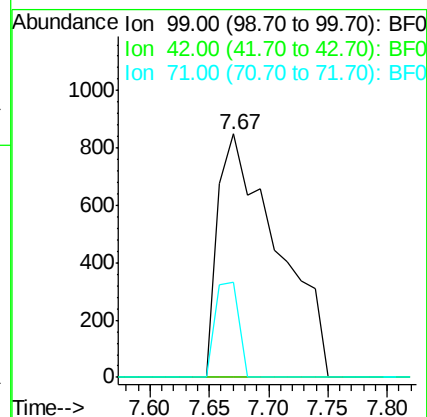
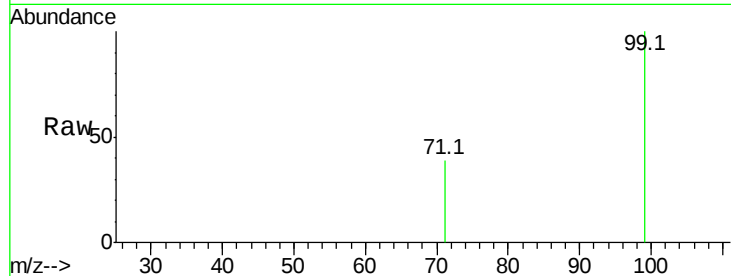
Tgt Ion: 99 Resp: 2961

Ion Ratio Lower Upper

99 100

42 0.0 13.7 20.5#

71 39.0 14.2 21.2#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.08 min Scan# 874

Delta R.T. -0.04 min

Lab File: BF081692.D

Acq: 17 Sep 2015 23:10

Tgt Ion: 136 Resp: 118835

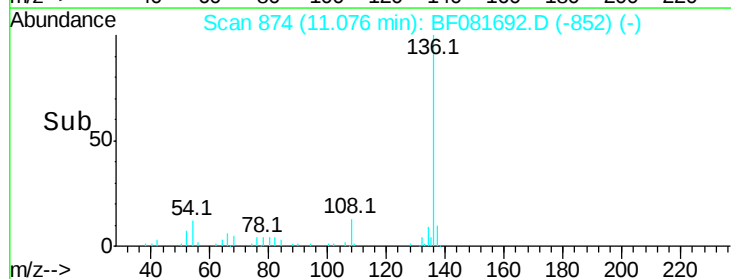
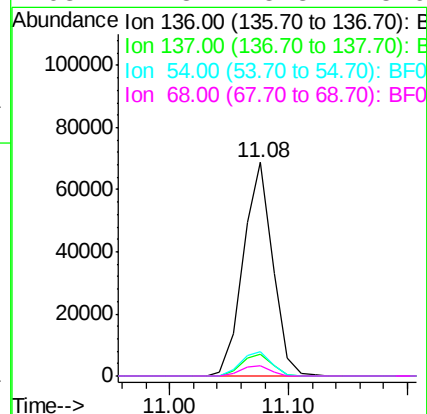
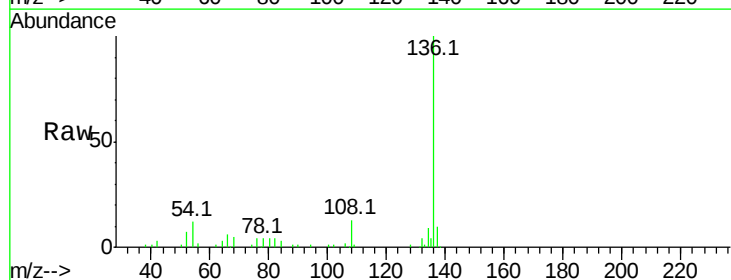
Ion Ratio Lower Upper

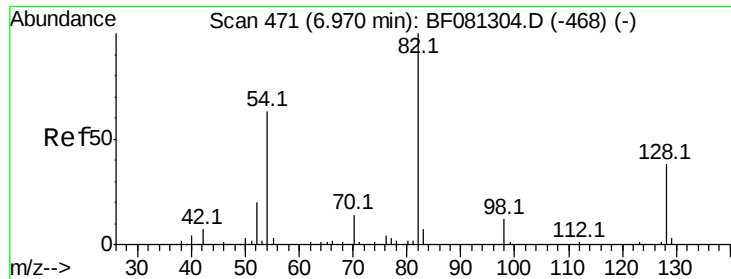
136 100

137 10.5 9.0 13.6

54 11.6 8.2 12.2

68 4.8 5.8 8.6#

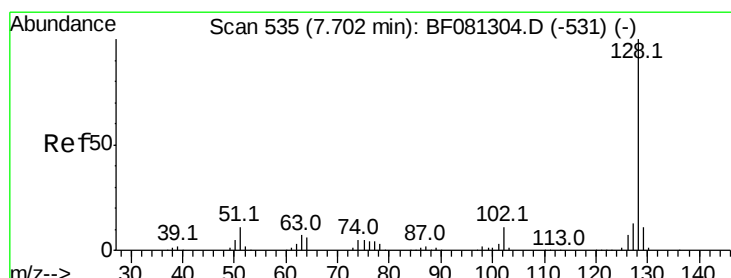
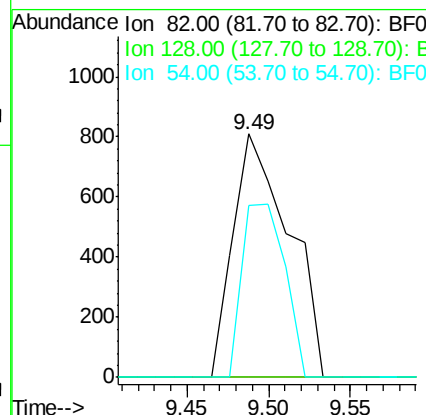
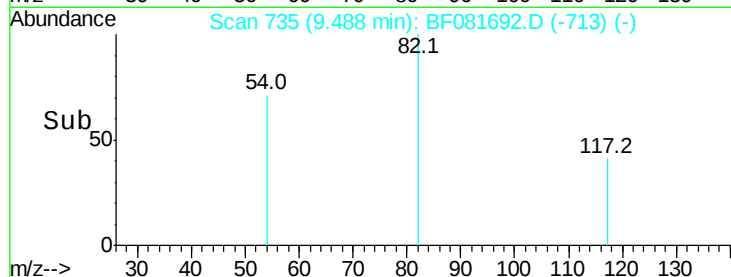
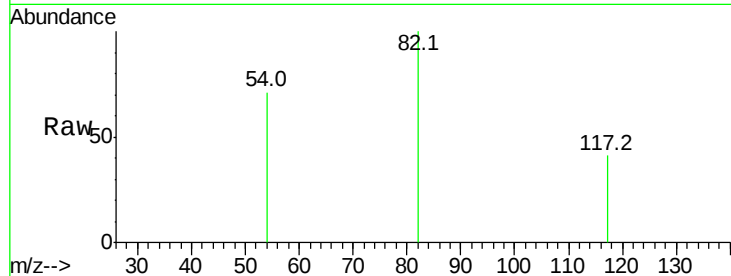




#23
 Nitrobenzene-d5
 Concen: 0.78 ng
 RT: 9.49 min Scan# 735
 Delta R.T. -0.04 min
 Lab File: BF081692.D
 Acq: 17 Sep 2015 23:10

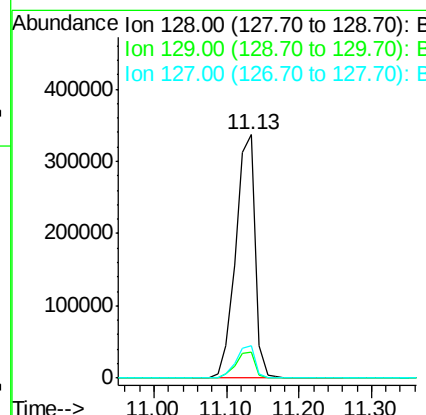
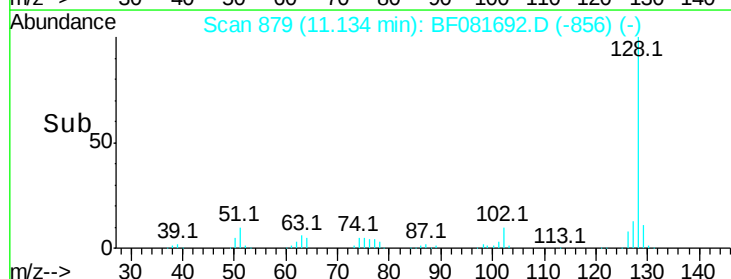
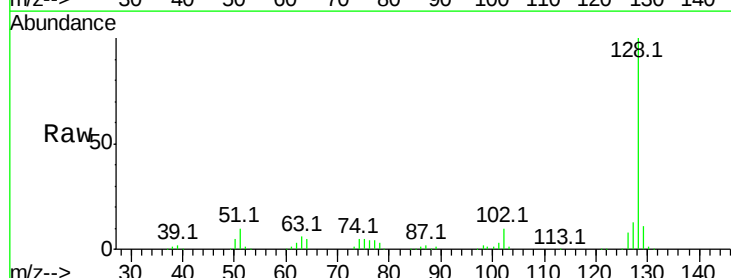
Instrument :
 BNA_F
 ClientSampleId :
 MGP204(20-22)DL2

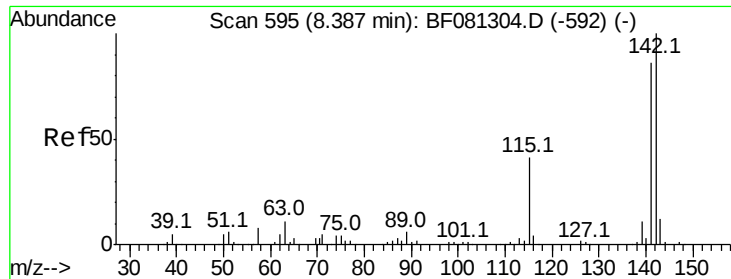
Tgt Ion: 82 Resp: 1918
 Ion Ratio Lower Upper
 82 100
 128 0.0 51.0 76.6#
 54 70.6 47.5 71.3



#31
 Naphthalene
 Concen: 99.24 ng
 RT: 11.13 min Scan# 879
 Delta R.T. -0.03 min
 Lab File: BF081692.D
 Acq: 17 Sep 2015 23:10

Tgt Ion: 128 Resp: 628927
 Ion Ratio Lower Upper
 128 100
 129 10.7 8.4 12.6
 127 13.4 9.9 14.9

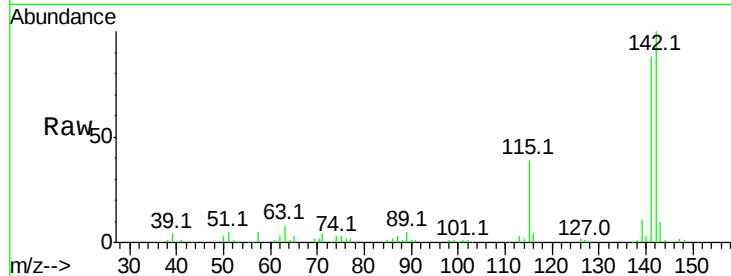




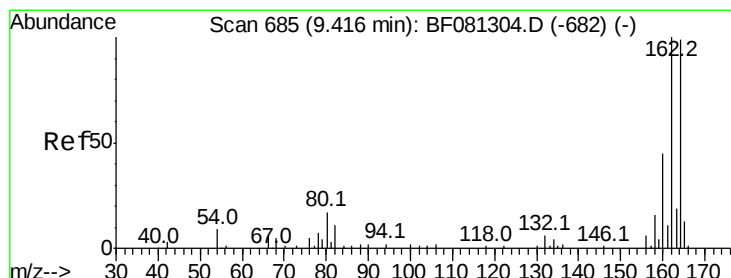
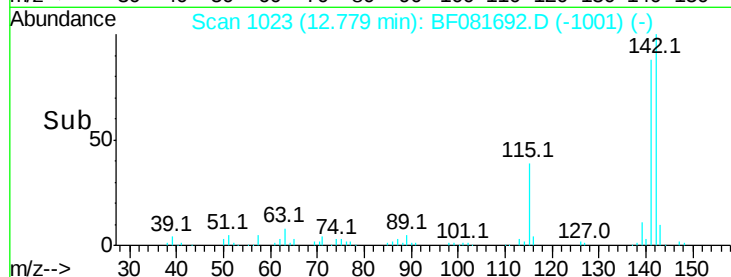
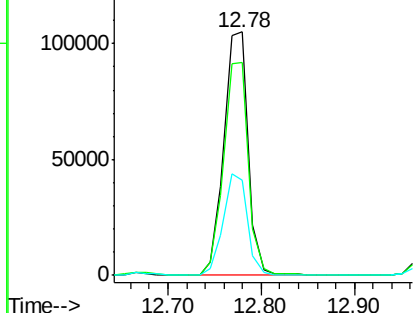
#37
 2-Methylnaphthalene
 Concen: 46.57 ng
 RT: 12.78 min Scan# 1023
 Delta R.T. -0.04 min
 Lab File: BF081692.D
 Acq: 17 Sep 2015 23:10

Instrument :
 BNA_F
 ClientSampleId :
 MGP204(20-22)DL2

Tgt Ion:142 Resp: 192051
 Ion Ratio Lower Upper
 142 100
 141 87.7 67.5 101.3
 115 39.1 18.2 27.2#

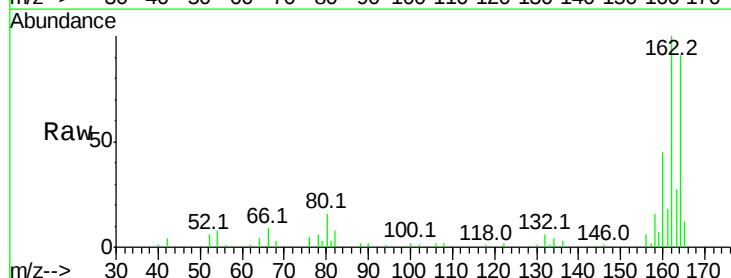


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

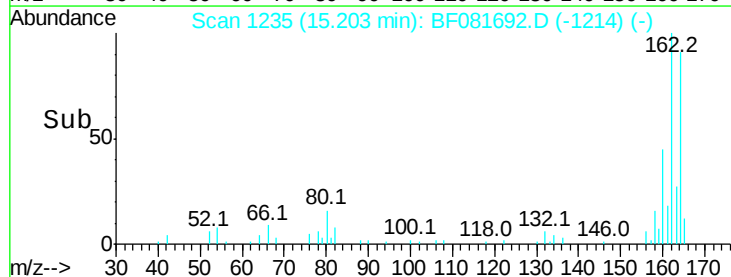
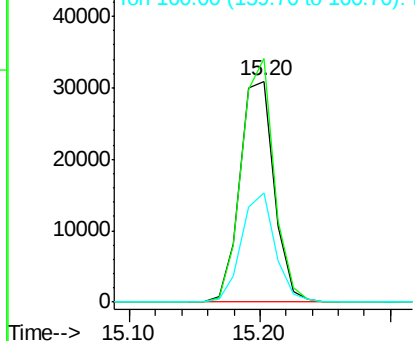


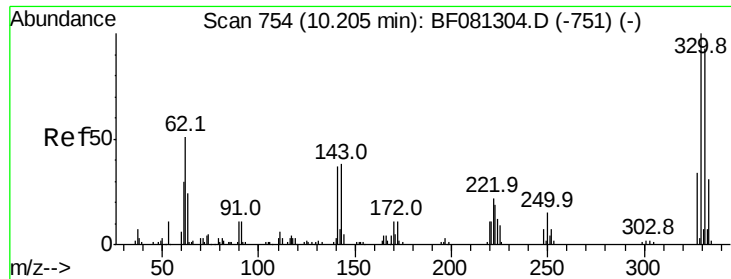
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.20 min Scan# 1235
 Delta R.T. -0.06 min
 Lab File: BF081692.D
 Acq: 17 Sep 2015 23:10

Tgt Ion:164 Resp: 56464
 Ion Ratio Lower Upper
 164 100
 162 110.4 75.2 112.8
 160 49.7 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

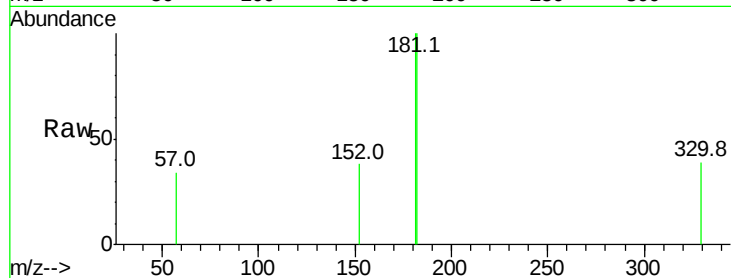




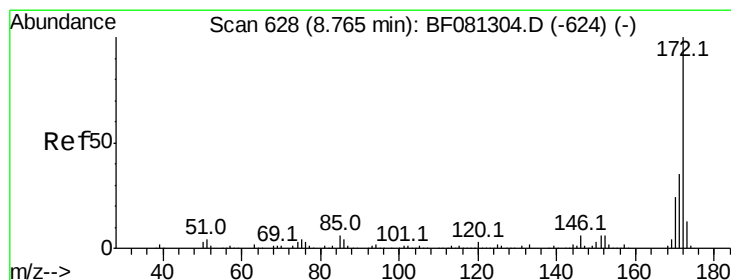
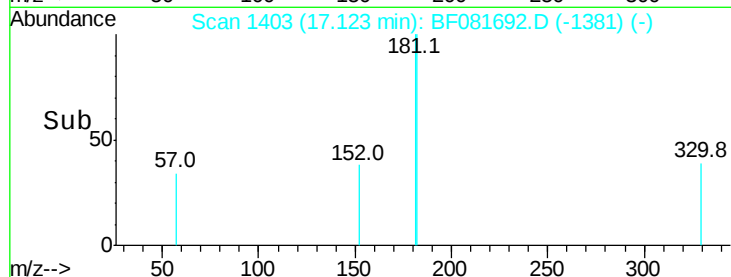
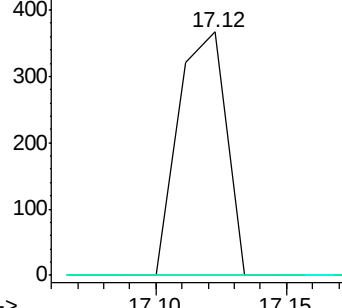
#41
 2,4,6-Tribromophenol
 Concen: 0.94 ng
 RT: 17.12 min Scan# 1403
 Delta R.T. -0.04 min
 Lab File: BF081692.D
 Acq: 17 Sep 2015 23:10

Instrument :
 BNA_F
 ClientSampleId :
 MGP204(20-22)DL2

Tgt Ion: 330 Resp: 472
 Ion Ratio Lower Upper
 330 100
 332 0.0 76.6 114.8#
 141 0.0 29.7 44.5#

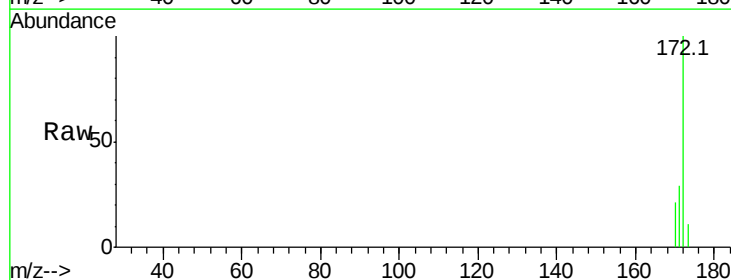


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

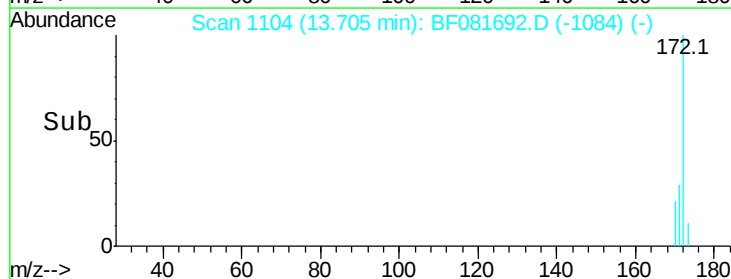
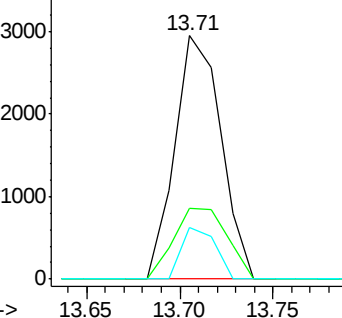


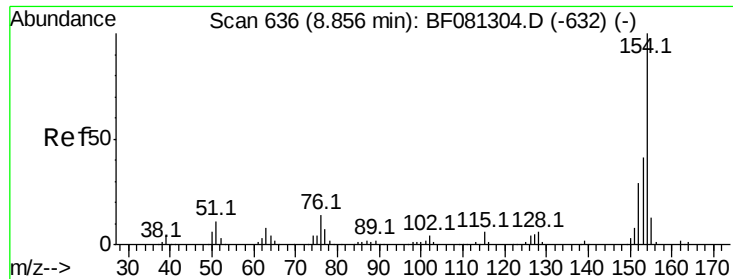
#44
 2-Fluorobiphenyl
 Concen: 1.15 ng
 RT: 13.71 min Scan# 1104
 Delta R.T. -0.07 min
 Lab File: BF081692.D
 Acq: 17 Sep 2015 23:10

Tgt Ion: 172 Resp: 5073
 Ion Ratio Lower Upper
 172 100
 171 29.2 26.1 39.1
 170 21.2 17.4 26.2



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

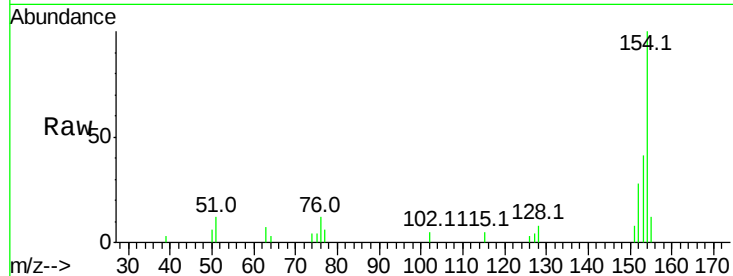




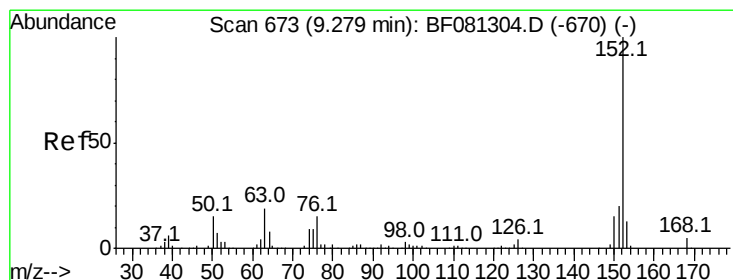
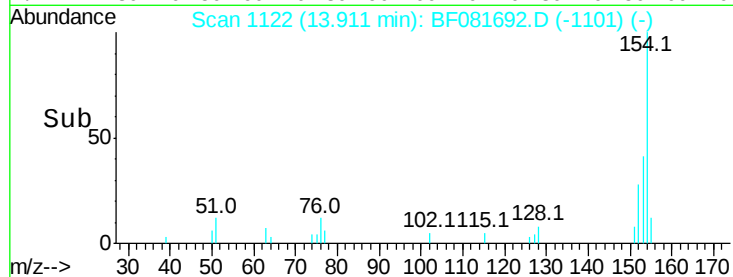
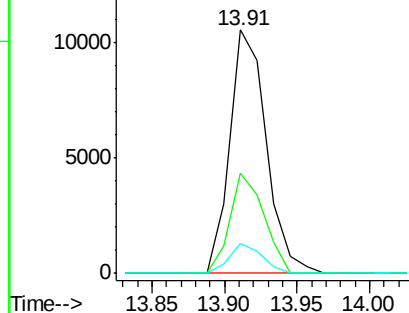
#45
1,1'-Biphenyl
Concen: 3.56 ng
RT: 13.91 min Scan# 1122
Delta R.T. -0.06 min
Lab File: BF081692.D
Acq: 17 Sep 2015 23:10

Instrument :
BNA_F
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MGP204(20-22)DL2

Tgt Ion:154 Resp: 18480
Ion Ratio Lower Upper
154 100
153 41.2 17.1 57.1
76 12.1 0.0 31.6

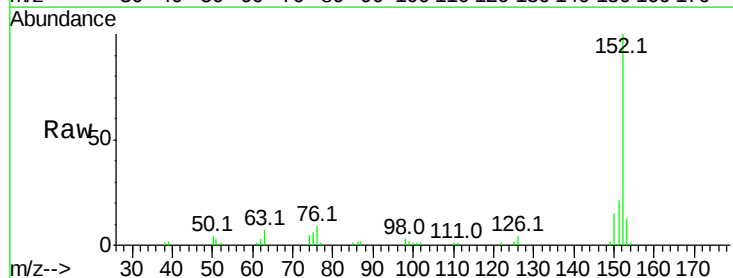


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

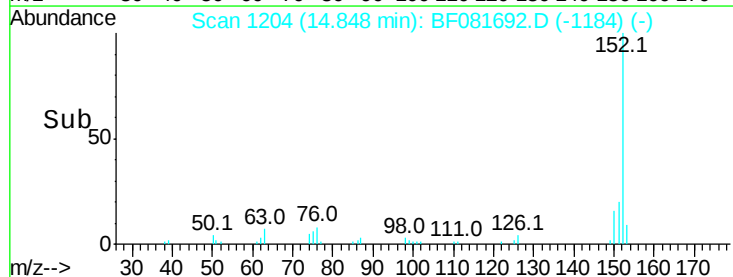
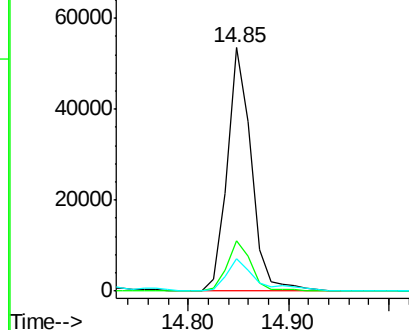


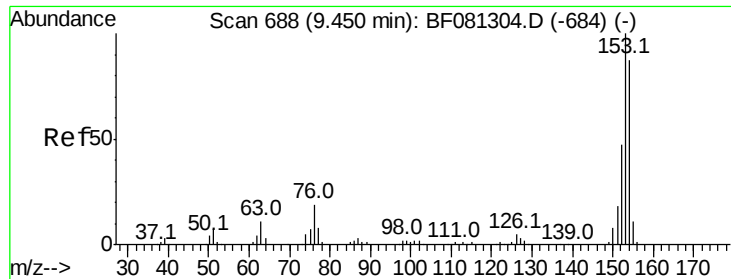
#48
Acenaphthylene
Concen: 13.41 ng
RT: 14.85 min Scan# 1204
Delta R.T. -0.07 min
Lab File: BF081692.D
Acq: 17 Sep 2015 23:10

Tgt Ion:152 Resp: 89228
Ion Ratio Lower Upper
152 100
151 20.7 14.6 22.0
153 13.2 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: 2.22 ng

RT: 15.27 min Scan# 1241

Delta R.T. -0.07 min

Lab File: BF081692.D

Acq: 17 Sep 2015 23:10

Instrument :

BNA_F

ClientSampleId :

MGP204(20-22)DL2

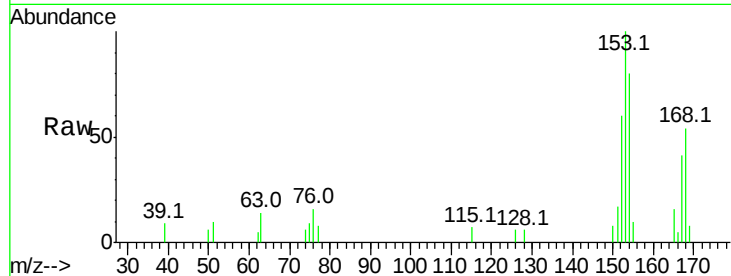
Tgt Ion:154 Resp: 8422

Ion Ratio Lower Upper

154 100

153 124.8 82.1 123.1#

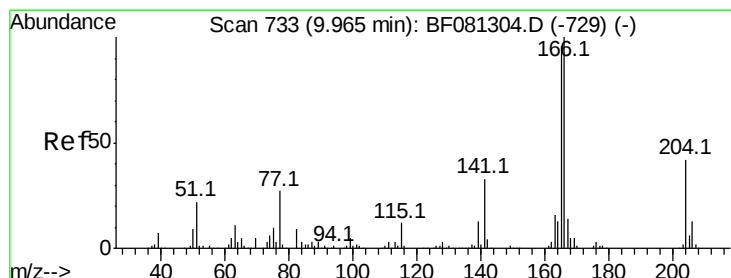
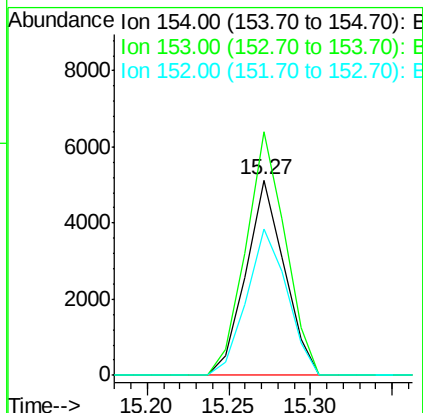
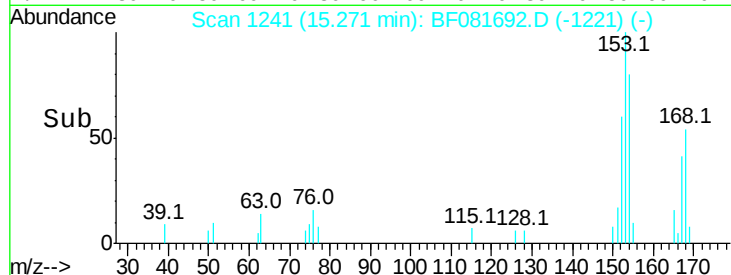
152 74.7 37.9 56.9#



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: 9.00 ng

RT: 16.51 min Scan# 1349

Delta R.T. -0.07 min

Lab File: BF081692.D

Acq: 17 Sep 2015 23:10

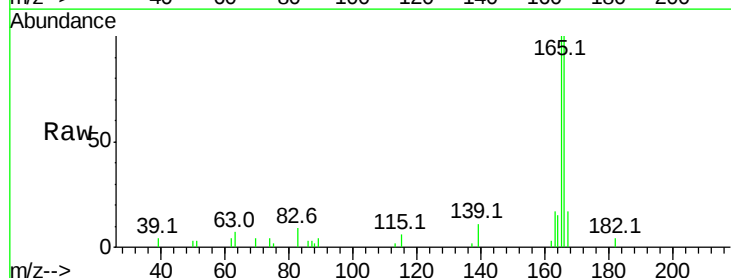
Tgt Ion:166 Resp: 37769

Ion Ratio Lower Upper

166 100

165 99.9 72.6 109.0

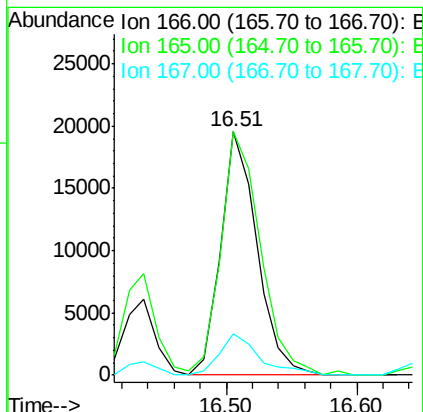
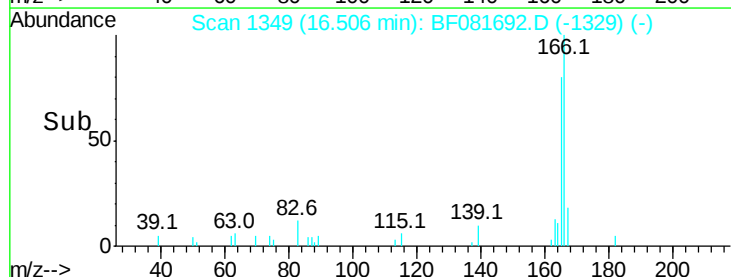
167 16.9 10.6 16.0#

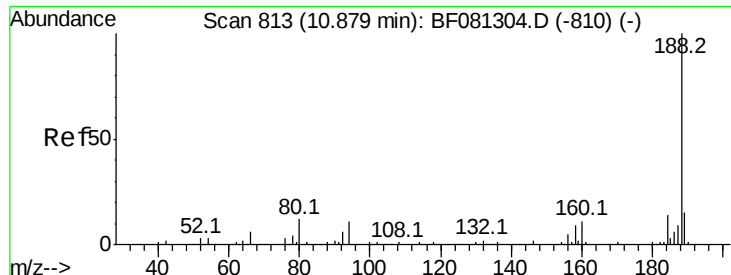


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

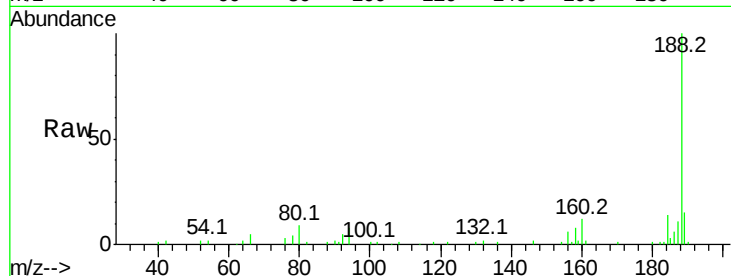




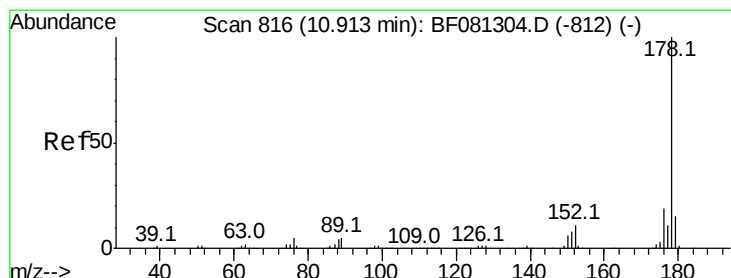
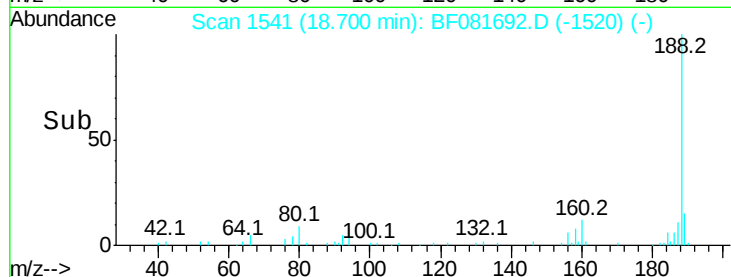
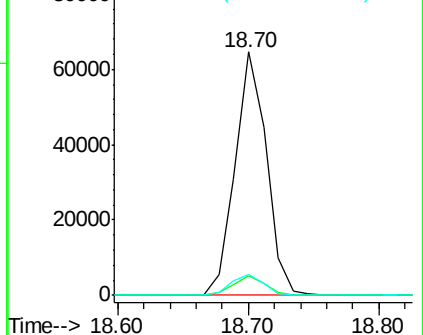
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.70 min Scan# 1541
Delta R.T. -0.06 min
Lab File: BF081692.D
Acq: 17 Sep 2015 23:10

Instrument :
BNA_F
ClientSampleId :
MGP204(20-22)DL2

Tgt Ion:188 Resp: 107758
Ion Ratio Lower Upper
188 100
94 8.0 11.1 16.7#
80 8.8 11.0 16.4#

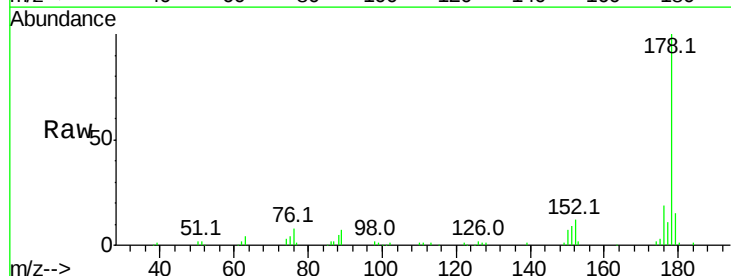


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

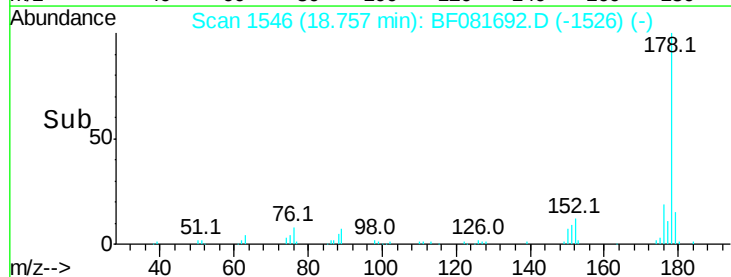
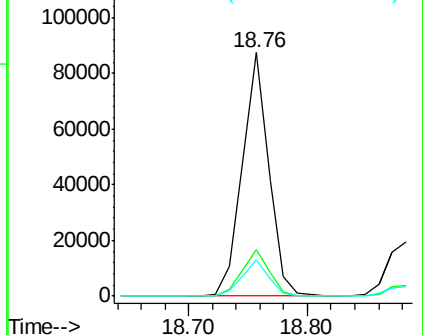


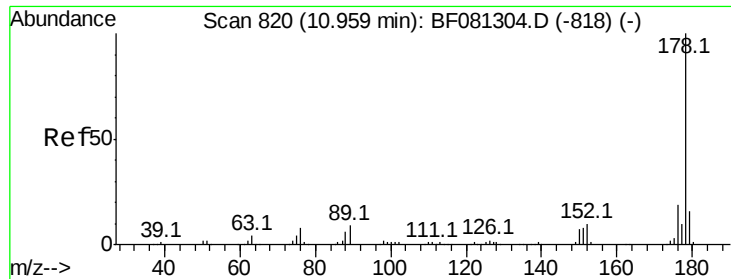
#70
Phenanthrene
Concen: 22.88 ng
RT: 18.76 min Scan# 1546
Delta R.T. -0.07 min
Lab File: BF081692.D
Acq: 17 Sep 2015 23:10

Tgt Ion:178 Resp: 137075
Ion Ratio Lower Upper
178 100
176 18.9 13.8 20.8
179 14.7 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: 5.83 ng

RT: 18.88 min Scan# 1557

Delta R.T. -0.07 min

Lab File: BF081692.D

Acq: 17 Sep 2015 23:10

Instrument :

BNA_F

ClientSampleId :

MGP204(20-22)DL2

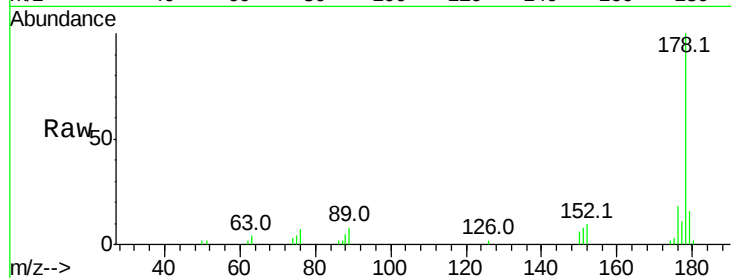
Tgt Ion:178 Resp: 35898

Ion Ratio Lower Upper

178 100

176 18.3 14.1 21.1

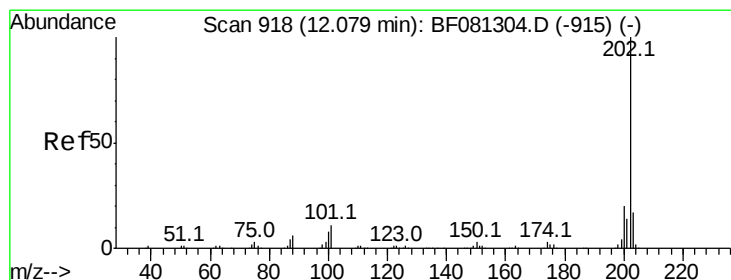
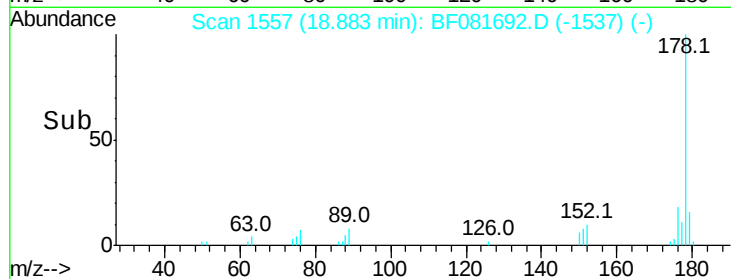
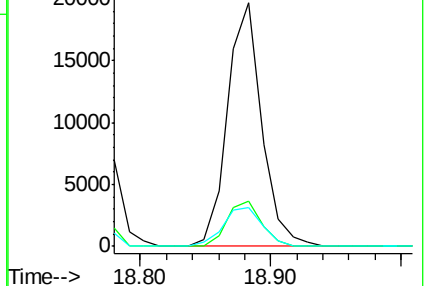
179 16.0 12.2 18.2



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: 5.09 ng

RT: 21.39 min Scan# 1776

Delta R.T. -0.04 min

Lab File: BF081692.D

Acq: 17 Sep 2015 23:10

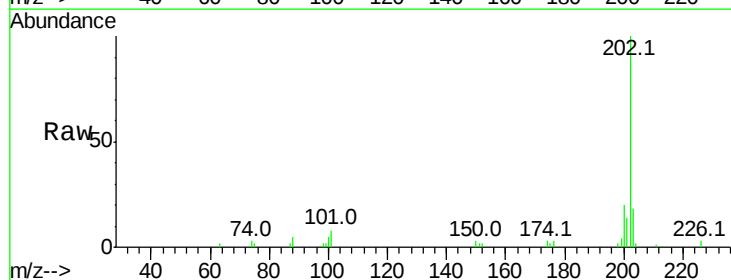
Tgt Ion:202 Resp: 32985

Ion Ratio Lower Upper

202 100

101 7.9 0.0 38.3

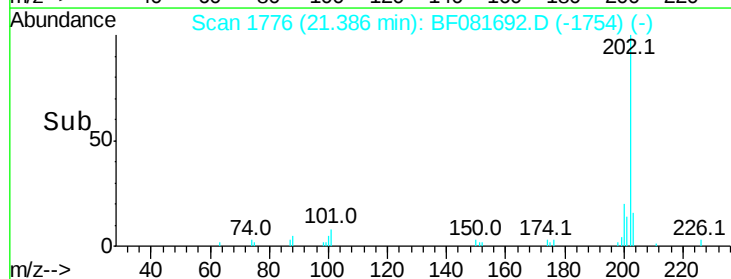
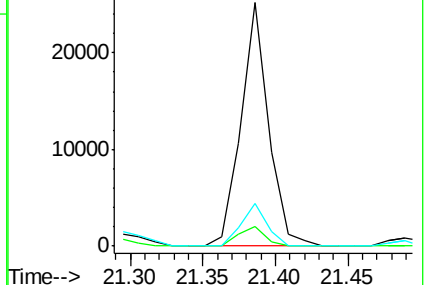
203 17.8 0.0 37.3

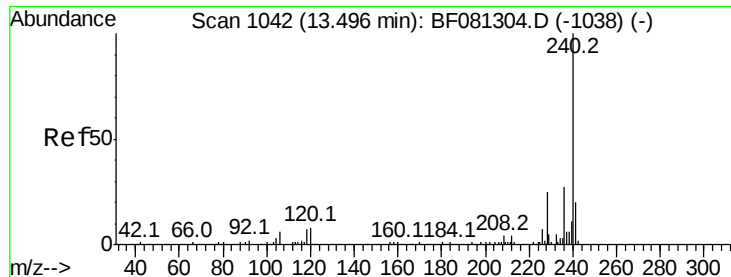


Abundance Ion 202.00 (201.70 to 202.70): E

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: 23.35 min Scan# 1948

Delta R.T. -0.03 min

Lab File: BF081692.D

Acq: 17 Sep 2015 23:10

Instrument :

BNA_F

ClientSampleId :

MGP204(20-22)DL2

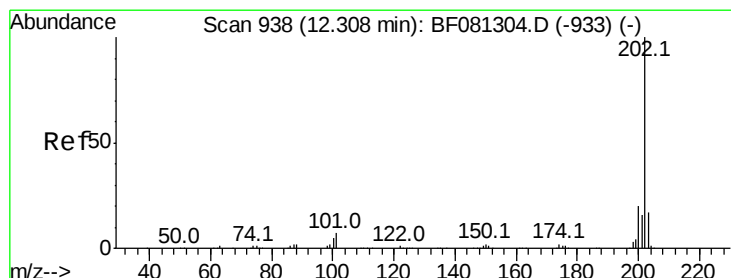
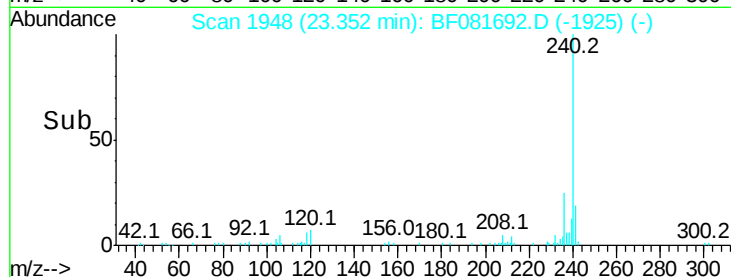
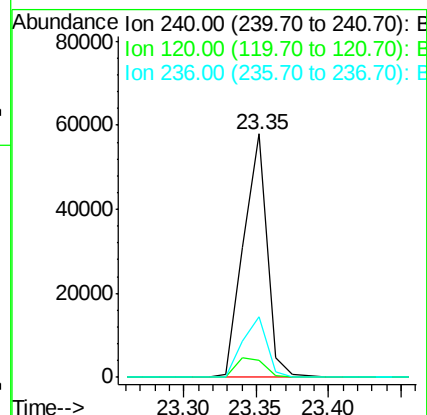
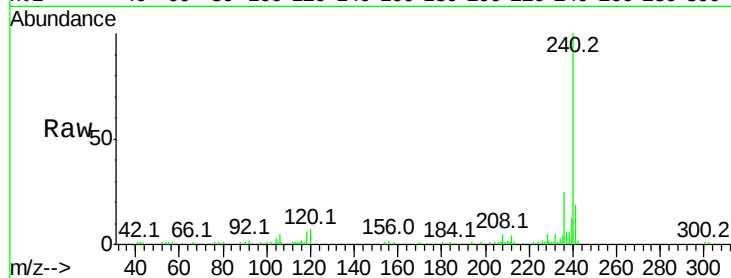
Tgt Ion:240 Resp: 65230

Ion Ratio Lower Upper

240 100

120 6.8 16.2 24.2#

236 24.8 18.4 27.6



#77

Pyrene

Concen: 11.45 ng

RT: 21.74 min Scan# 1807

Delta R.T. -0.04 min

Lab File: BF081692.D

Acq: 17 Sep 2015 23:10

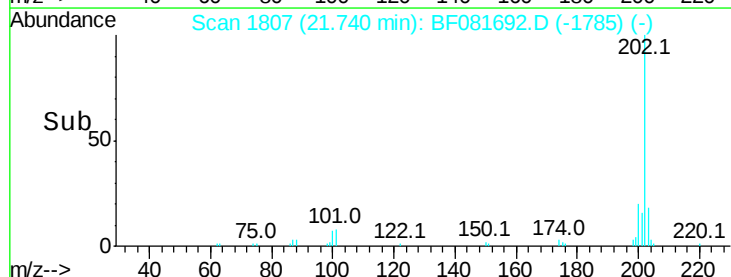
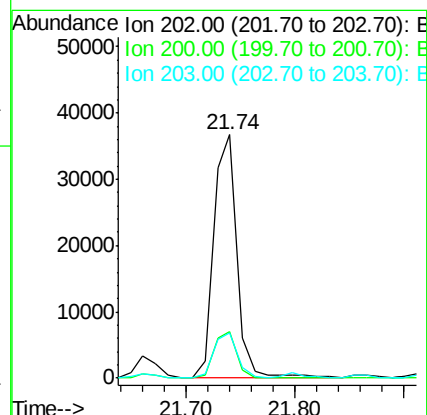
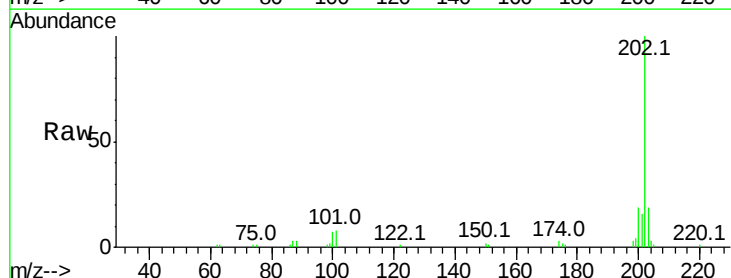
Tgt Ion:202 Resp: 55345

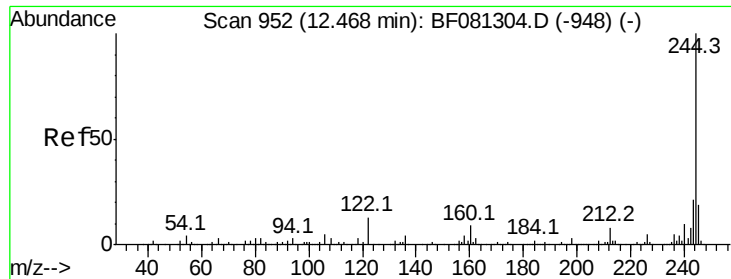
Ion Ratio Lower Upper

202 100

200 19.3 15.0 22.4

203 18.8 14.1 21.1





#78

Terphenyl-d14

Concen: 1.36 ng

RT: 22.07 min Scan# 1836

Delta R.T. -0.04 min

Lab File: BF081692.D

Acq: 17 Sep 2015 23:10

Instrument :

BNA_F

ClientSampleId :

MGP204(20-22)DL2

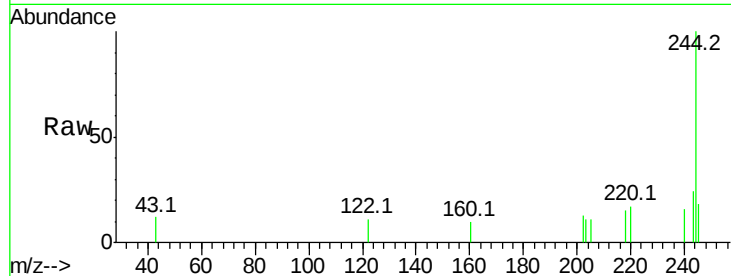
Tgt Ion:244 Resp: 3810

Ion Ratio Lower Upper

244 100

212 0.0 4.3 6.5#

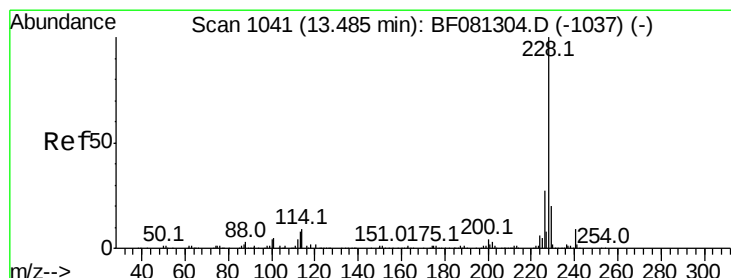
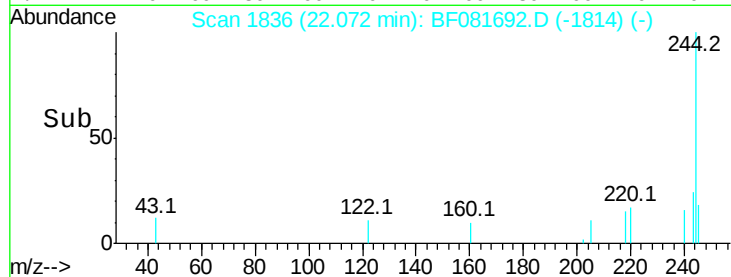
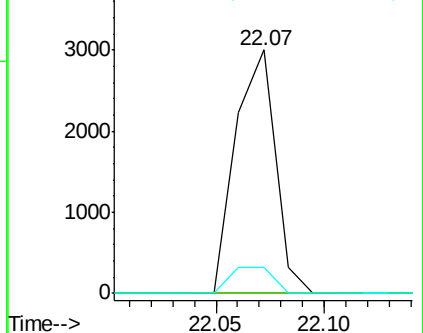
122 10.7 17.4 26.2#



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: 4.66 ng

RT: 23.34 min Scan# 1947

Delta R.T. -0.03 min

Lab File: BF081692.D

Acq: 17 Sep 2015 23:10

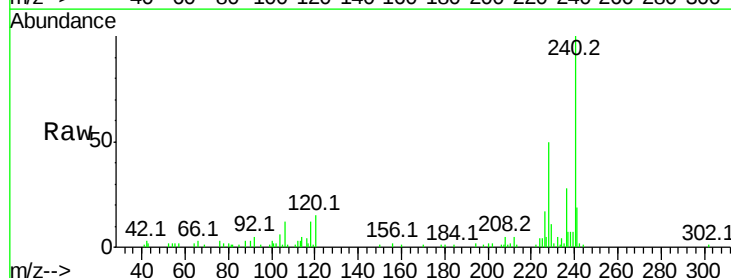
Tgt Ion:228 Resp: 19361

Ion Ratio Lower Upper

228 100

226 33.5 20.0 30.0#

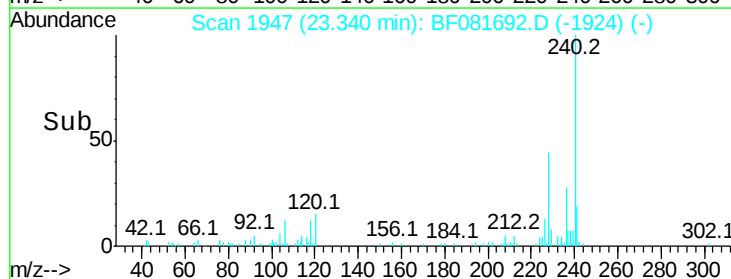
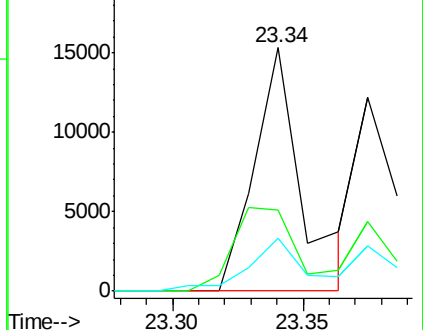
229 21.9 15.4 23.2

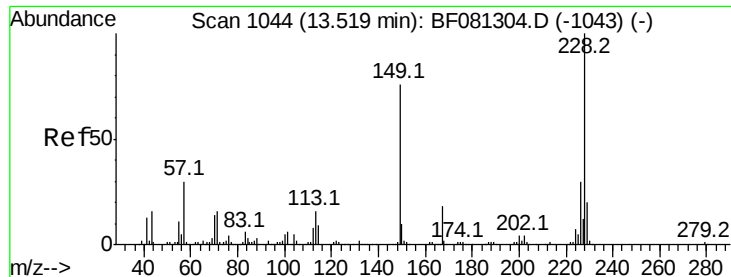


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.54 ng

RT: 23.37 min Scan# 1950

Delta R.T. -0.04 min

Lab File: BF081692.D

Acq: 17 Sep 2015 23:10

Instrument :

BNA_F

ClientSampleId :

MGP204(20-22)DL2

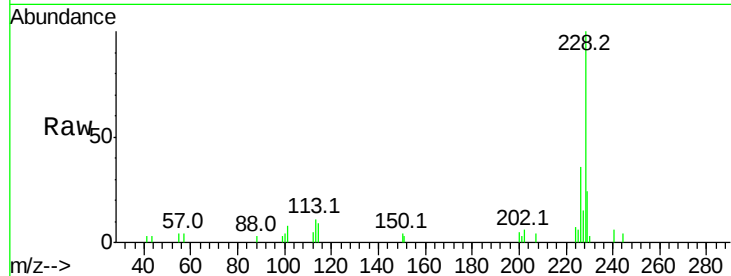
Tgt Ion:228 Resp: 13180

Ion Ratio Lower Upper

228 100

226 35.9 21.0 31.4#

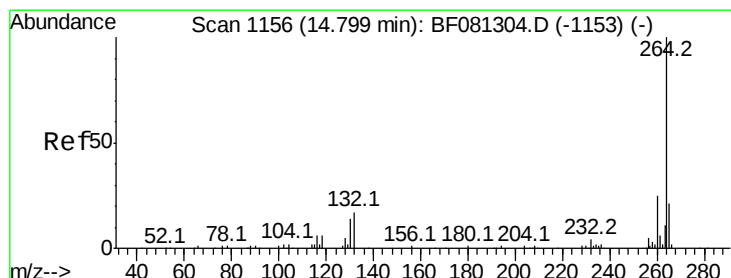
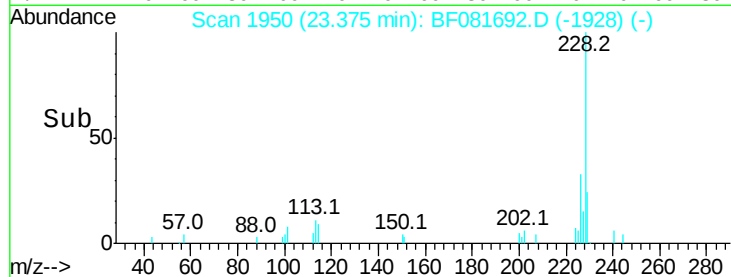
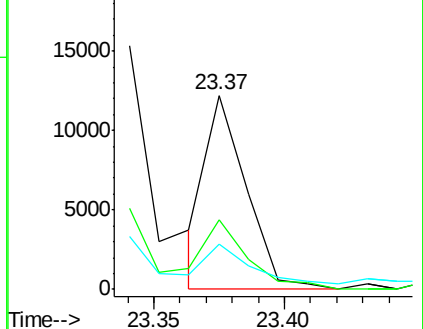
229 23.7 15.6 23.4#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 24.79 min Scan# 2074

Delta R.T. -0.02 min

Lab File: BF081692.D

Acq: 17 Sep 2015 23:10

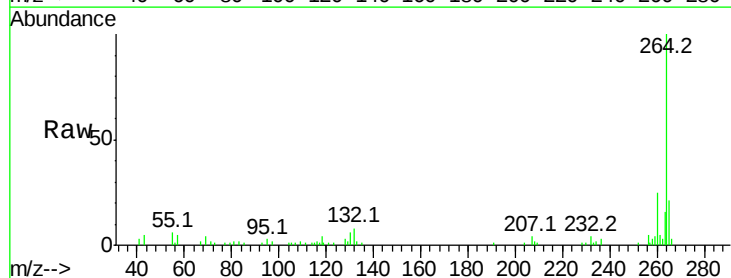
Tgt Ion:264 Resp: 52315

Ion Ratio Lower Upper

264 100

260 25.1 16.7 25.1

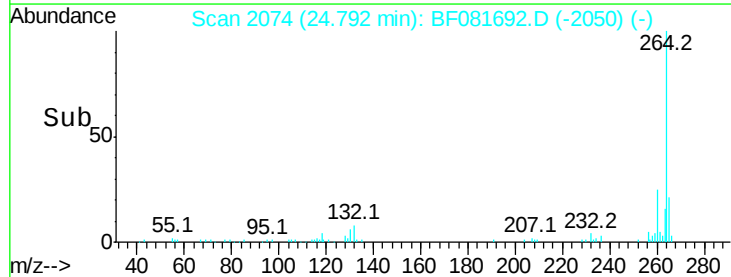
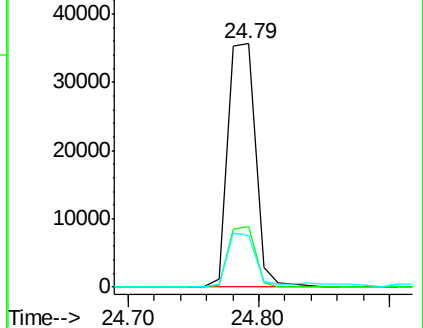
265 21.0 17.2 25.8

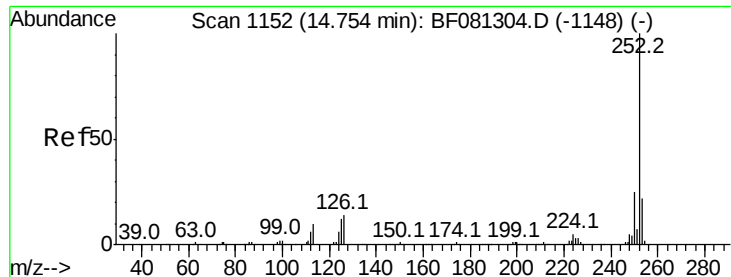


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#89

Benzo(a)pyrene

Concen: 2.61 ng

RT: 24.73 min Scan# 2069

Delta R.T. -0.03 min

Lab File: BF081692.D

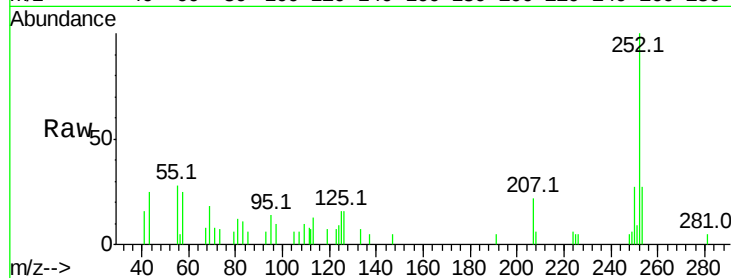
Acq: 17 Sep 2015 23:10

Instrument :

BNA_F

ClientSampleId :

MGP204(20-22)DL2



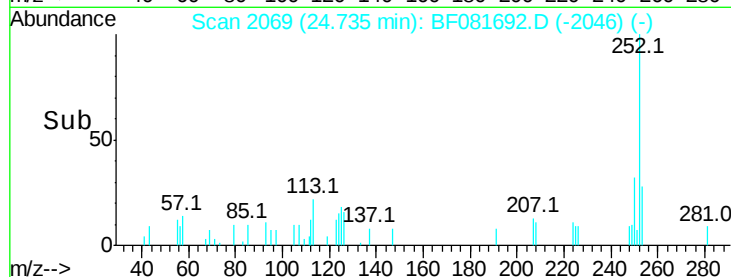
Tgt Ion: 252 Resp: 8245

Ion Ratio Lower Upper

252 100

253 26.6 17.2 25.8#

125 16.4 18.0 27.0#



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

