

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101315\
 Data File : BF082250.D
 Acq On : 13 Oct 2015 8:31
 Operator : UM/IZ
 Sample : G3974-02DL 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MGP222BR-22-24DL

Quant Time: Oct 13 08:59:18 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 12 01:46:21 2015
 Response via : Initial Calibration

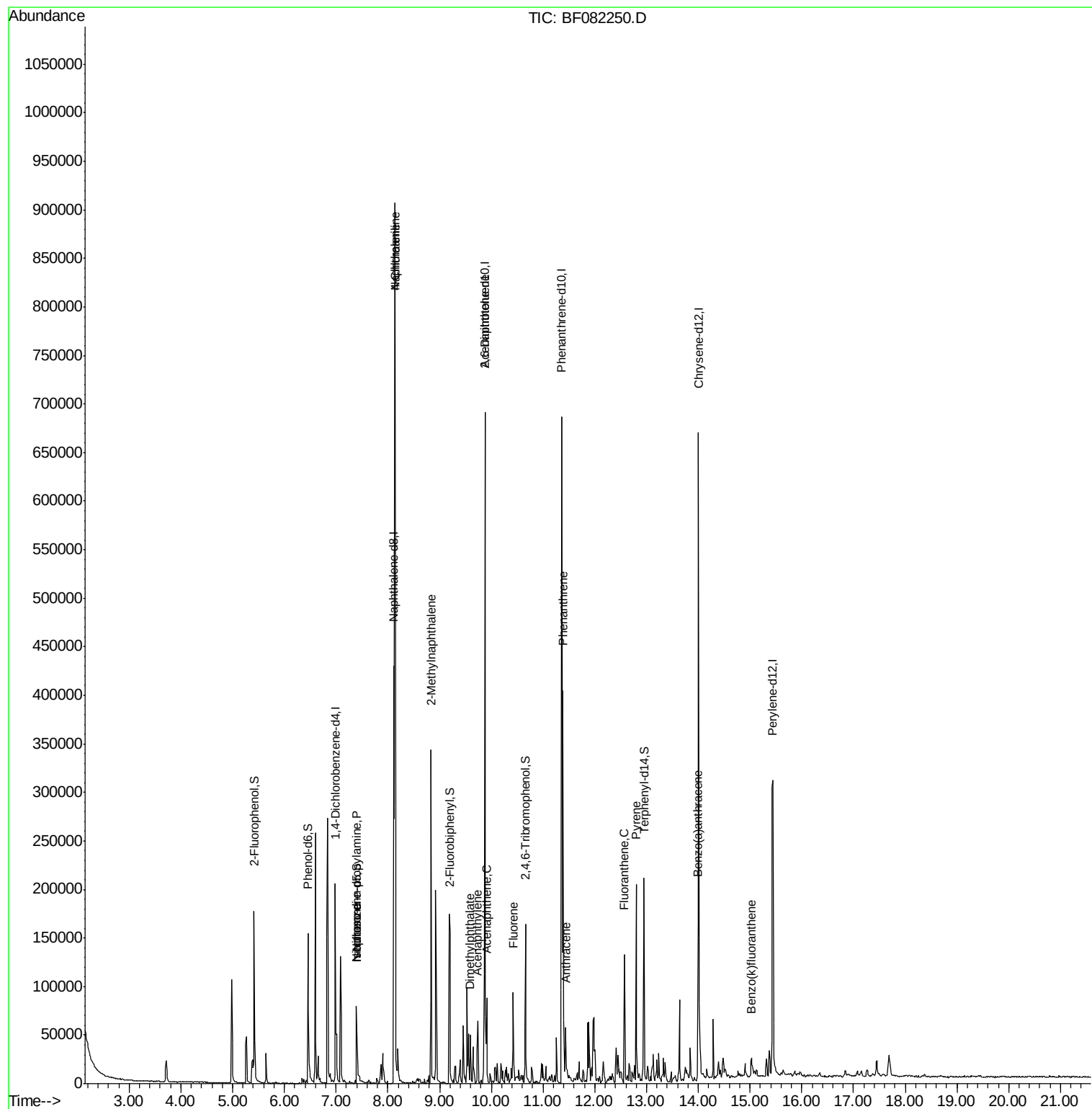
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	34622	20.00	ng	0.15
21) Naphthalene-d8	8.11	136	253976	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	136308	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	275946	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	256848	20.00	ng	-0.01
86) Perylene-d12	15.44	264	198493	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	58459	34.08	ng	-0.01
7) Phenol-d6	6.46	99	83237	37.29	ng	-0.02
23) Nitrobenzene-d5	7.39	82	47238	12.49	ng	-0.02
41) 2,4,6-Tribromophenol	10.66	330	22654	17.72	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	94251	11.47	ng	-0.01
78) Terphenyl-d14	12.95	244	106044	10.94	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	4725	3.01	ng	# 79
25) Isophorone	7.39	82	48346	6.33	ng	# 66
31) Naphthalene	8.14	128	436959	39.69	ng	99
33) 4-Chloroaniline	8.14	127	55735	12.19	ng	# 30
37) 2-Methylnaphthalene	8.83	142	104413	13.68	ng	99
48) Acenaphthylene	9.74	152	27156	2.13	ng	# 96
49) Dimethylphthalate	9.59	163	24121	2.51	ng	100
50) 2,6-Dinitrotoluene	9.87	165	18526	9.15	ng	# 32
51) Acenaphthene	9.91	154	22131	2.89	ng	98
57) Fluorene	10.42	166	37450	4.34	ng	97
70) Phenanthrene	11.38	178	155057	11.46	ng	97
71) Anthracene	11.44	178	43222	3.10	ng	98
74) Fluoranthene	12.57	202	54697	3.77	ng	99
77) Pyrene	12.80	202	87549	5.74	ng	97
80) Benzo(a)anthracene	13.99	228	32027	2.40	ng	94
88) Benzo(k)fluoranthene	15.03	252	21625	2.13	ng	# 96

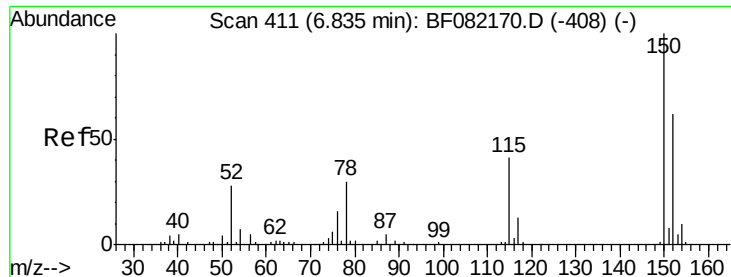
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101315\
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.98 min Scan# 424

Delta R.T. 0.15 min

Lab File: BF082250.D

Acq: 13 Oct 2015 8:31

Instrument :

BNA_F

ClientSampleId :

MGP222BR-22-24DL

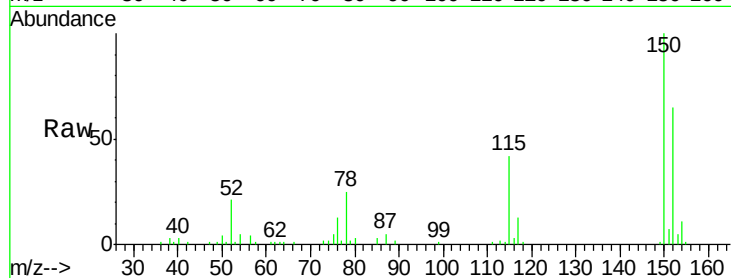
Tot Ion:152 Resp: 34622

Ion Ratio Lower Upper

152 100

150 154.7 129.0 193.4

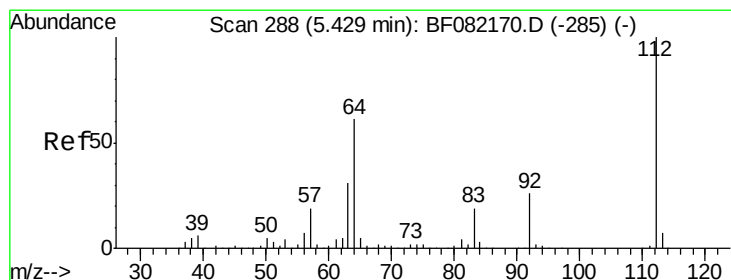
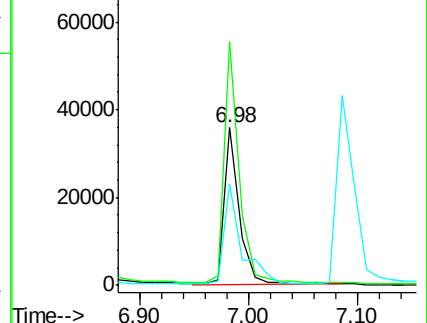
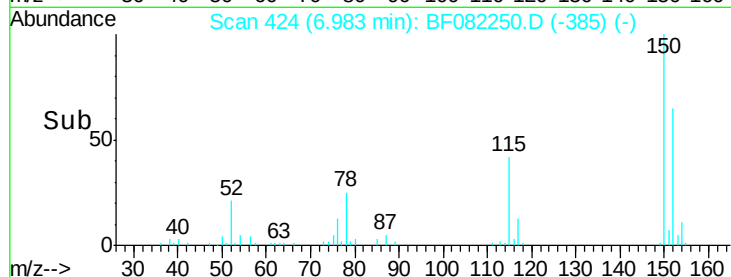
115 64.8 52.1 78.1



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: 34.08 ng

RT: 5.42 min Scan# 287

Delta R.T. -0.01 min

Lab File: BF082250.D

Acq: 13 Oct 2015 8:31

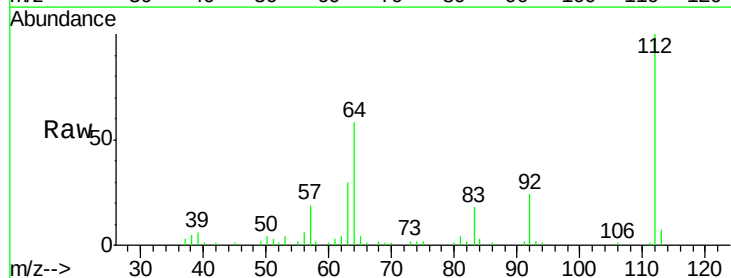
Tgt Ion:112 Resp: 58459

Ion Ratio Lower Upper

112 100

64 58.2 48.6 73.0

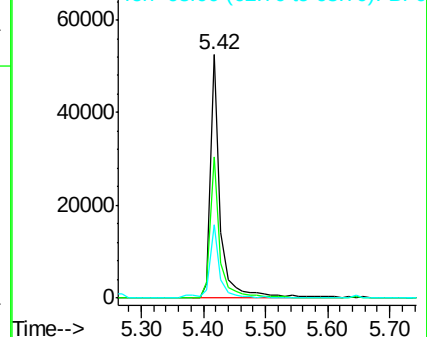
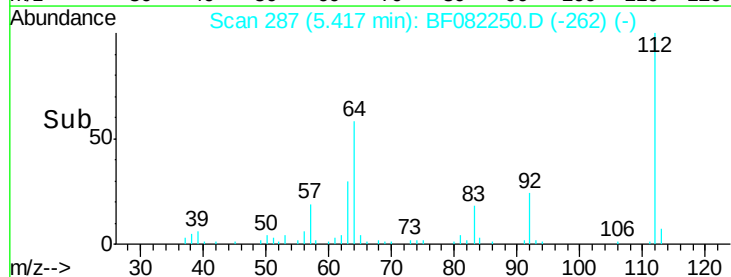
63 30.2 25.1 37.7

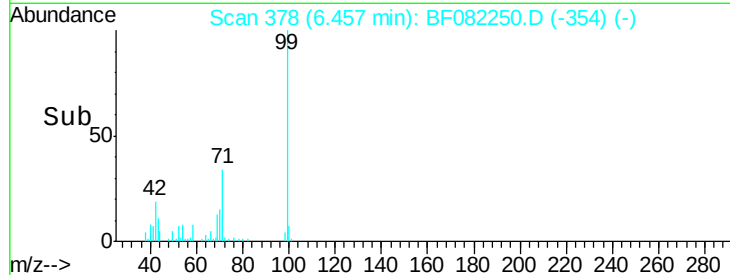
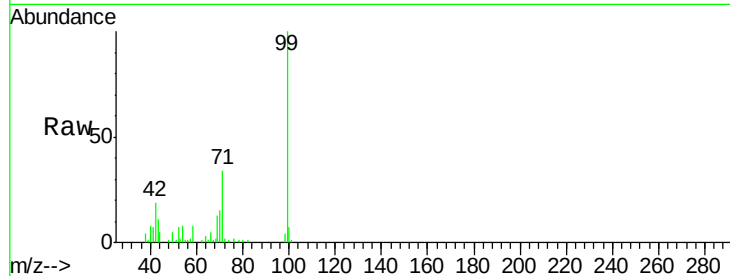
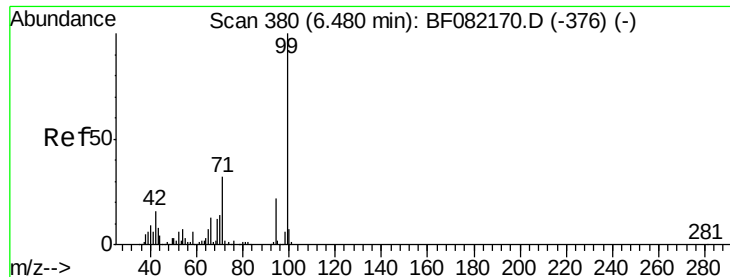


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 37.29 ng

RT: 6.46 min Scan# 378

Delta R.T. -0.02 min

Lab File: BF082250.D

Acq: 13 Oct 2015 8:31

Instrument :

BNA_F

ClientSampleId :

MGP222BR-22-24DL

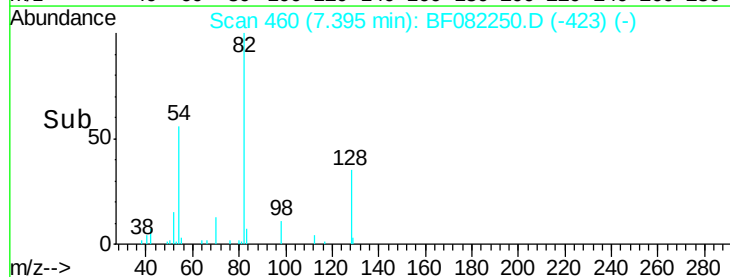
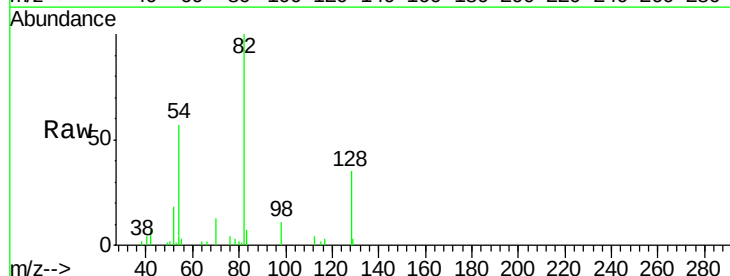
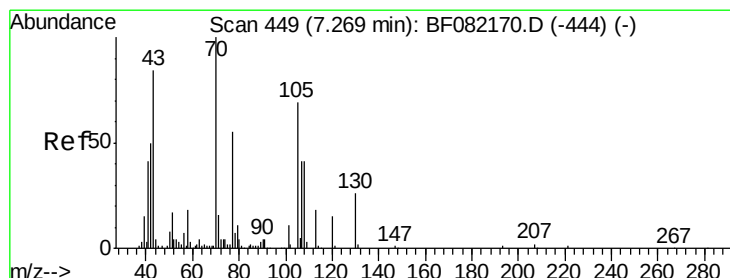
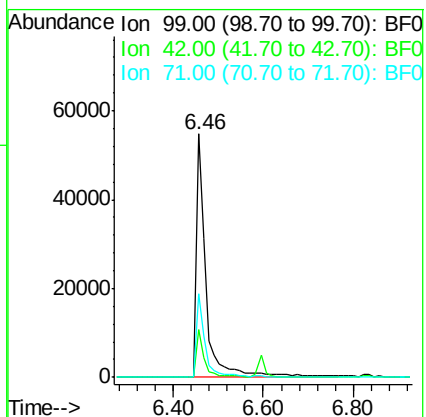
Tot Ion: 99 Resp: 83237

Ion Ratio Lower Upper

99 100

42 19.5 13.2 19.8

71 34.1 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 3.01 ng

RT: 7.39 min Scan# 460

Delta R.T. 0.13 min

Lab File: BF082250.D

Acq: 13 Oct 2015 8:31

Tgt Ion: 70 Resp: 4725

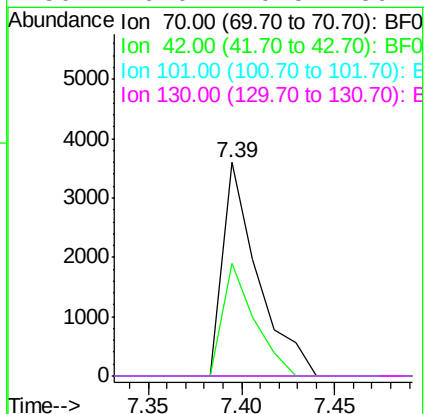
Ion Ratio Lower Upper

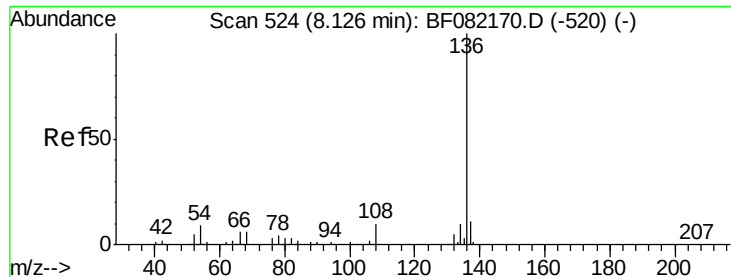
70 100

42 52.8 39.8 59.8

101 0.0 8.6 13.0#

130 0.0 20.5 30.7#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.11 min Scan# 523

Delta R.T. -0.01 min

Lab File: BF082250.D

Acq: 13 Oct 2015 8:31

Instrument :

BNA_F

ClientSampleId :

MGP222BR-22-24DL

Tot Ion:136 Resp: 253976

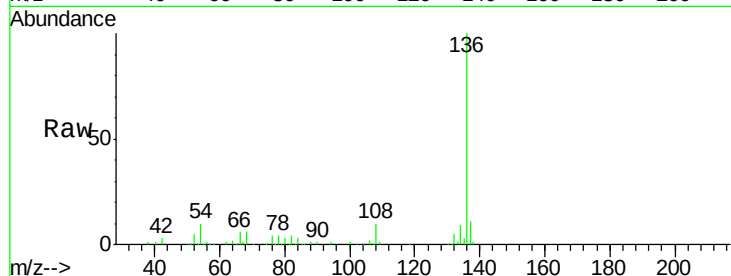
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.6

54 10.1 7.5 11.3

68 6.1 4.6 7.0

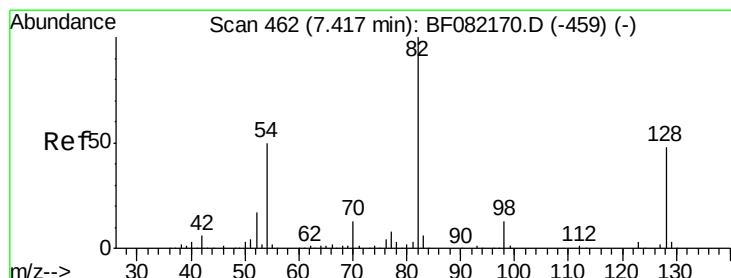
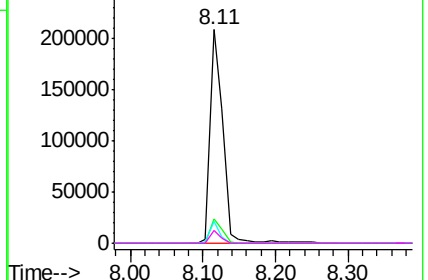
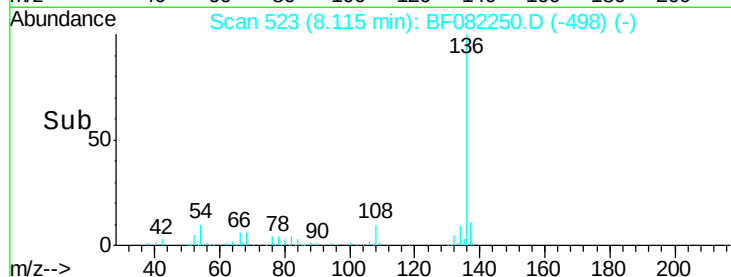


Abundance Ion 136.00 (135.70 to 136.70): E

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: 12.49 ng

RT: 7.39 min Scan# 460

Delta R.T. -0.02 min

Lab File: BF082250.D

Acq: 13 Oct 2015 8:31

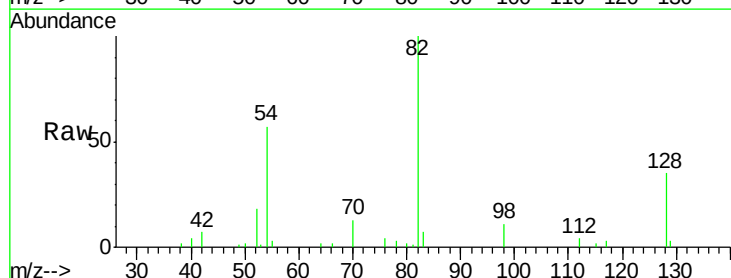
Tgt Ion: 82 Resp: 47238

Ion Ratio Lower Upper

82 100

128 35.2 38.7 58.1#

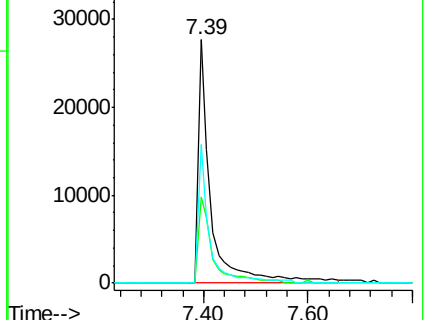
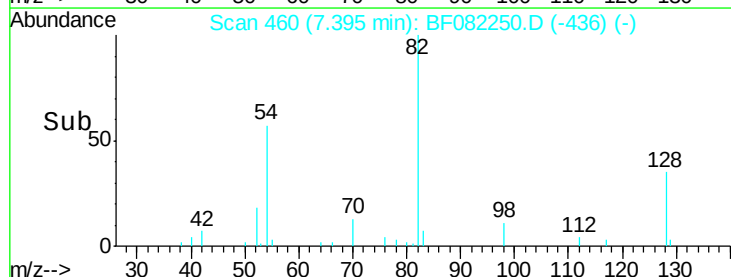
54 57.0 40.1 60.1

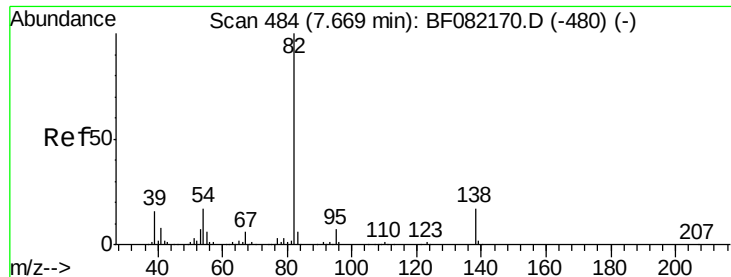


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 6.33 ng

RT: 7.39 min Scan# 460

Delta R.T. -0.27 min

Lab File: BF082250.D

Acq: 13 Oct 2015 8:31

Instrument :

BNA_F

ClientSampleId :

MGP222BR-22-24DL

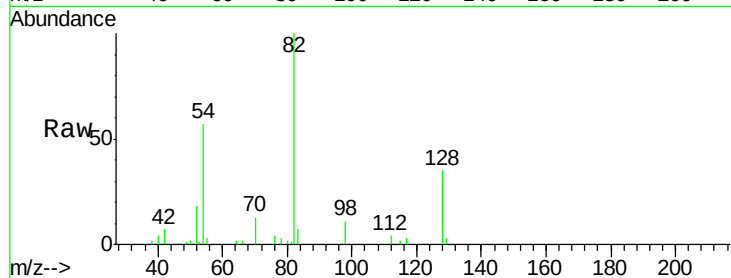
Tot Ion: 82 Resp: 48346

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

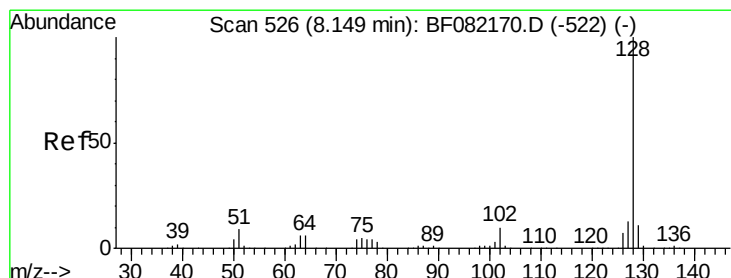
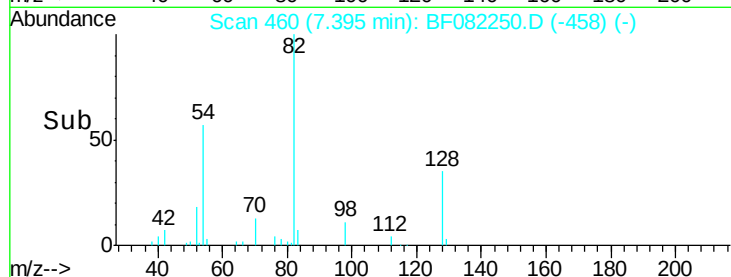
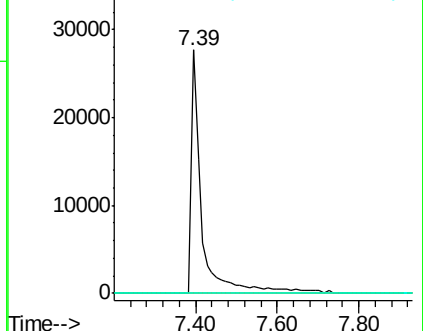
138 0.0 13.6 20.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#31

Naphthalene

Concen: 39.69 ng

RT: 8.14 min Scan# 525

Delta R.T. -0.01 min

Lab File: BF082250.D

Acq: 13 Oct 2015 8:31

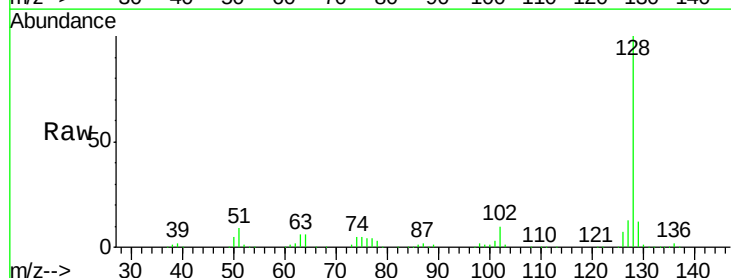
Tgt Ion: 128 Resp: 436959

Ion Ratio Lower Upper

128 100

129 11.6 9.1 13.7

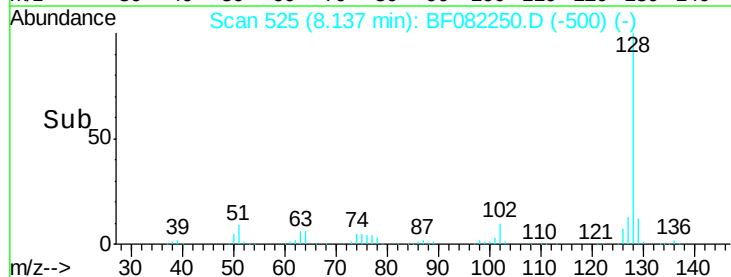
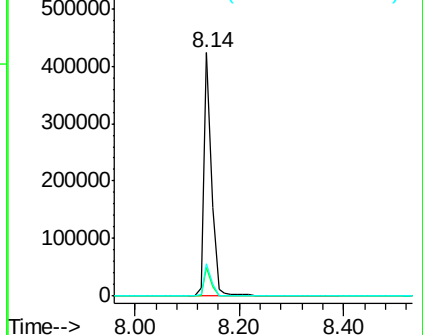
127 13.2 10.7 16.1

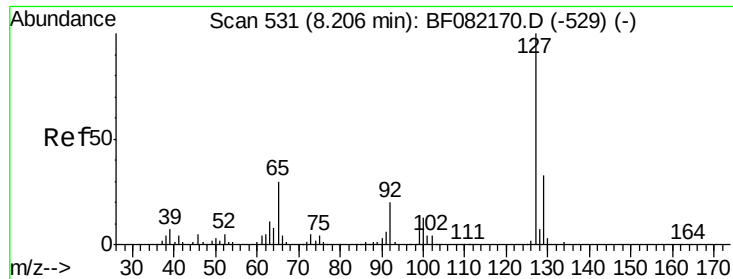


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

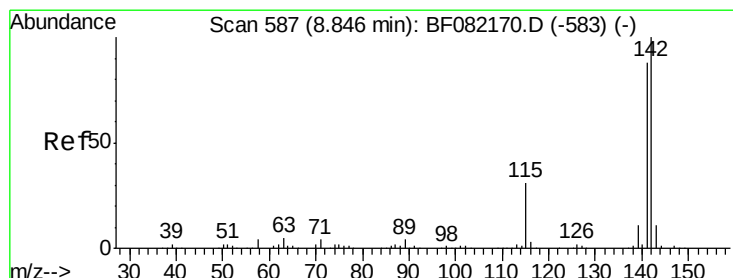
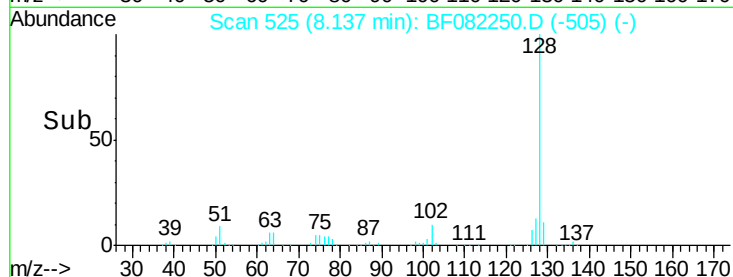
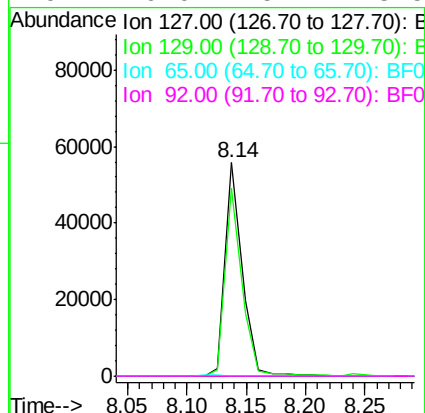
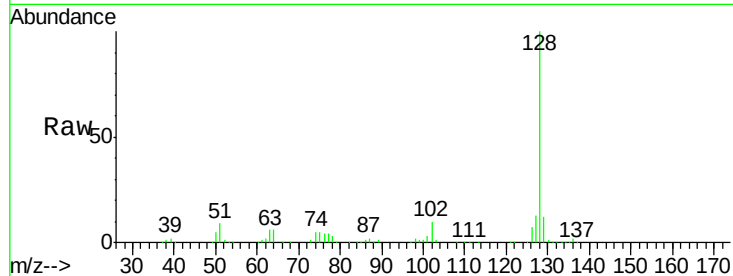




#33
4-Chloroaniline
Concen: 12.19 ng
RT: 8.14 min Scan# 525
Delta R.T. -0.07 min
Lab File: BF082250.D
Acq: 13 Oct 2015 8:31

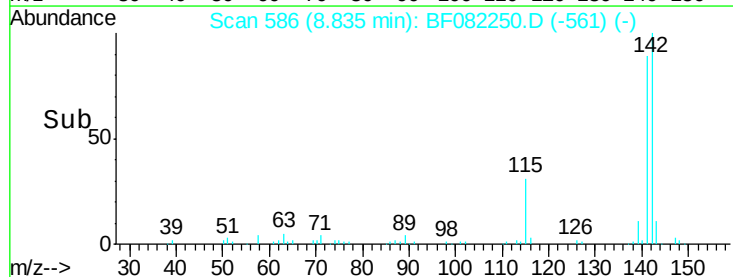
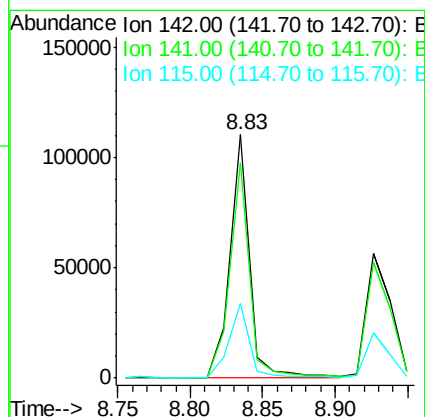
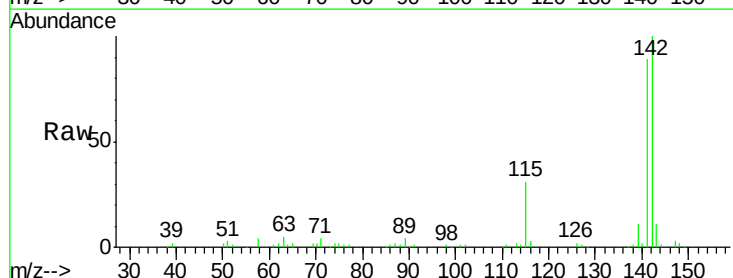
Instrument :
BNA_F
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MGP222BR-22-24DL

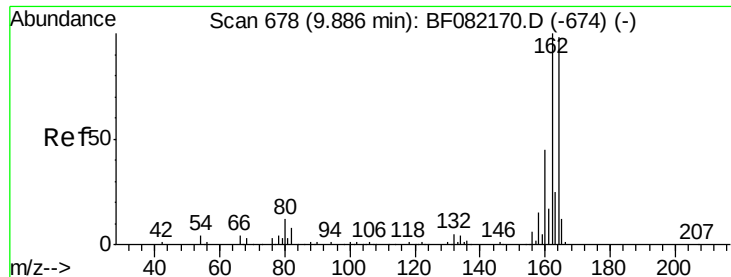
Tot Ion:	127	Resp:	55735
Ion	Ratio	Lower	Upper
127	100		
129	88.3	26.3	39.5#
65	0.0	24.4	36.6#
92	0.0	15.7	23.5#



#37
2-Methylnaphthalene
Concen: 13.68 ng
RT: 8.83 min Scan# 586
Delta R.T. -0.01 min
Lab File: BF082250.D
Acq: 13 Oct 2015 8:31

Tgt Ion:	142	Resp:	104413
Ion	Ratio	Lower	Upper
142	100		
141	88.7	70.4	105.6
115	30.8	24.6	37.0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 677

Delta R.T. -0.01 min

Lab File: BF082250.D

Acq: 13 Oct 2015 8:31

Instrument :

BNA_F

ClientSampleId :

MGP222BR-22-24DL

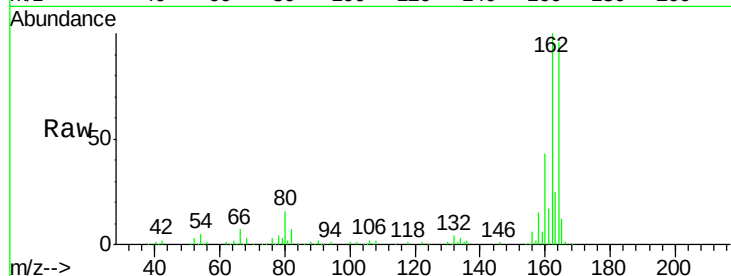
Tot Ion:164 Resp: 136308

Ion Ratio Lower Upper

164 100

162 104.1 81.6 122.4

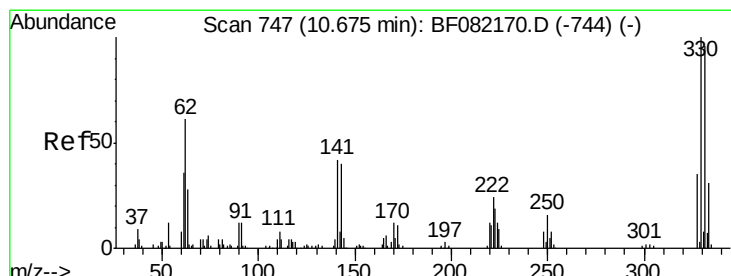
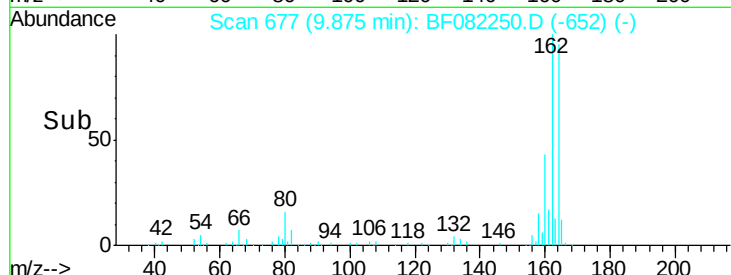
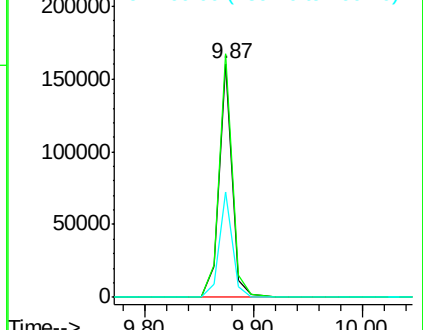
160 44.8 36.4 54.6



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: 17.72 ng

RT: 10.66 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF082250.D

Acq: 13 Oct 2015 8:31

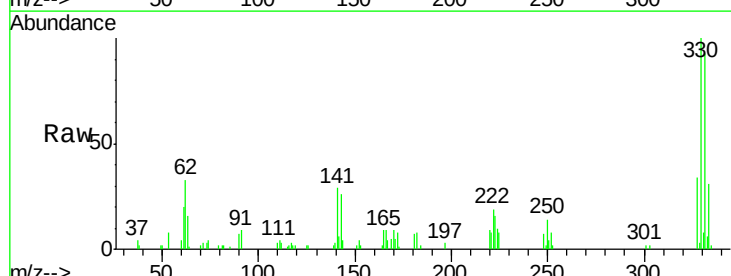
Tgt Ion:330 Resp: 22654

Ion Ratio Lower Upper

330 100

332 93.5 77.1 115.7

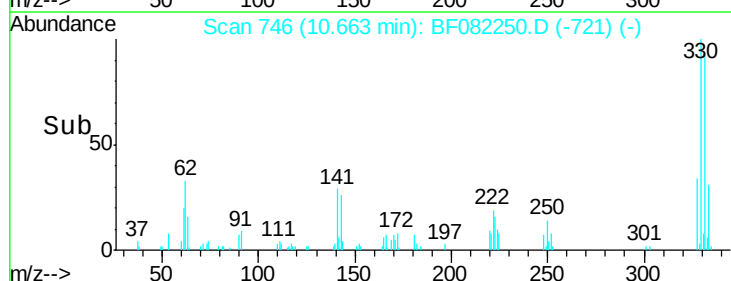
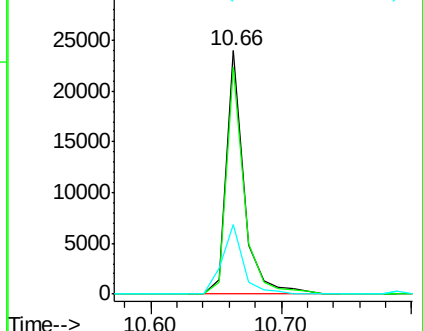
141 34.6 29.8 44.8

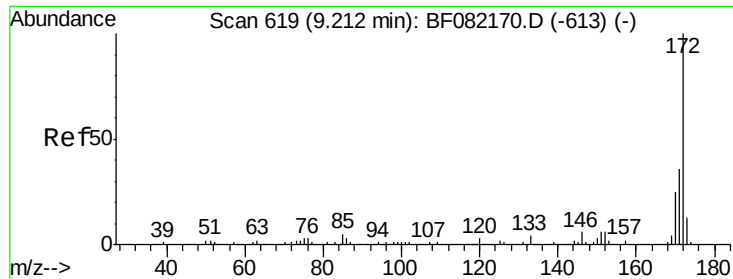


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

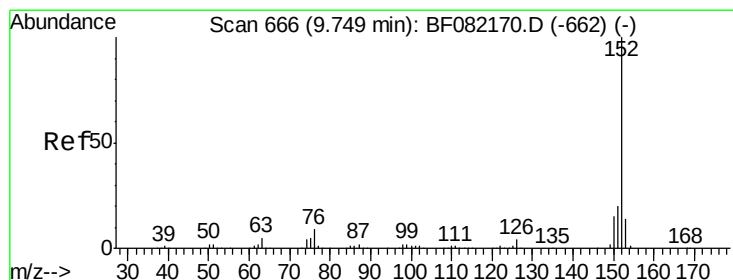
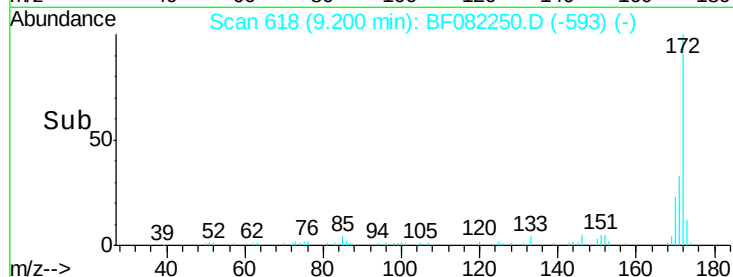
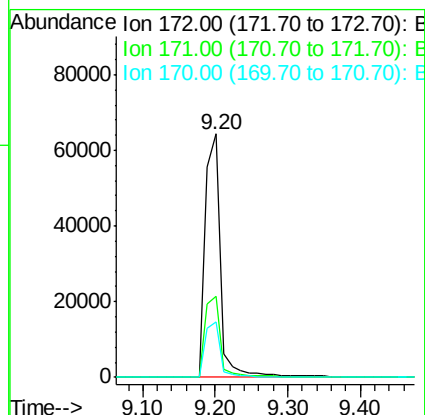
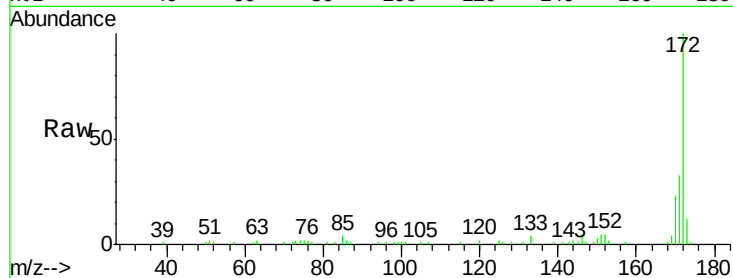




#44
2-Fluorobiphenyl
Concen: 11.47 ng
RT: 9.20 min Scan# 618
Delta R.T. -0.01 min
Lab File: BF082250.D
Acq: 13 Oct 2015 8:31

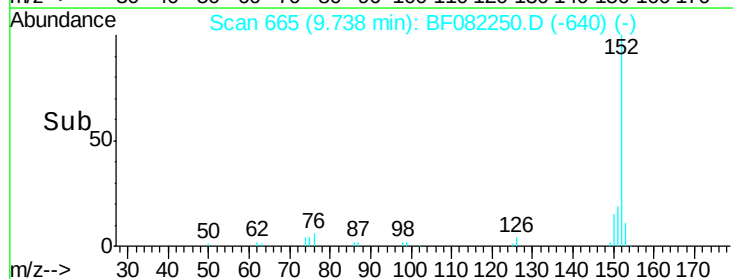
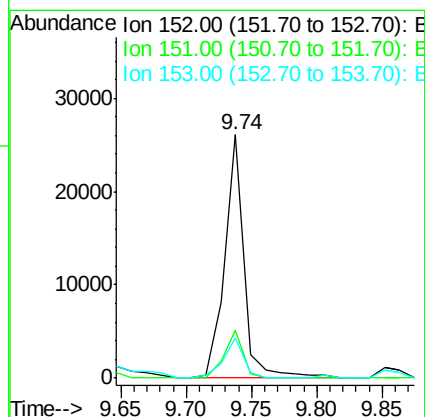
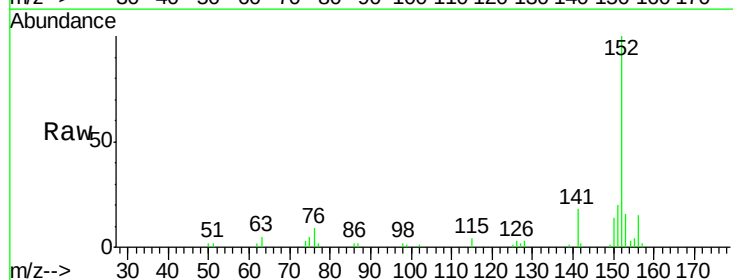
Instrument :
BNA_F
ClientSampleId :
MGP222BR-22-24DL

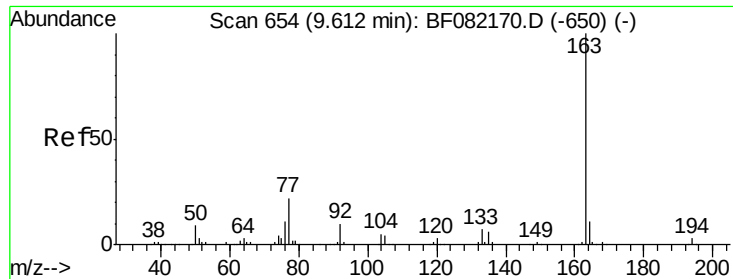
Tot Ion:172 Resp: 94251
Ion Ratio Lower Upper
172 100
171 33.2 28.6 42.8
170 22.6 19.7 29.5



#48
Acenaphthylene
Concen: 2.13 ng
RT: 9.74 min Scan# 665
Delta R.T. -0.01 min
Lab File: BF082250.D
Acq: 13 Oct 2015 8:31

Tgt Ion:152 Resp: 27156
Ion Ratio Lower Upper
152 100
151 19.9 16.4 24.6
153 16.3 10.8 16.2#





#49

Dimethylphthalate

Concen: 2.51 ng

RT: 9.59 min Scan# 652

Delta R.T. -0.02 min

Lab File: BF082250.D

Acq: 13 Oct 2015 8:31

Instrument :

BNA_F

ClientSampleId :

MGP222BR-22-24DL

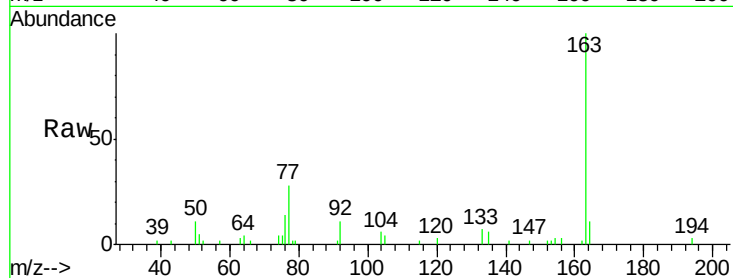
Tot Ion:163 Resp: 24121

Ion Ratio Lower Upper

163 100

194 2.9 2.6 4.0

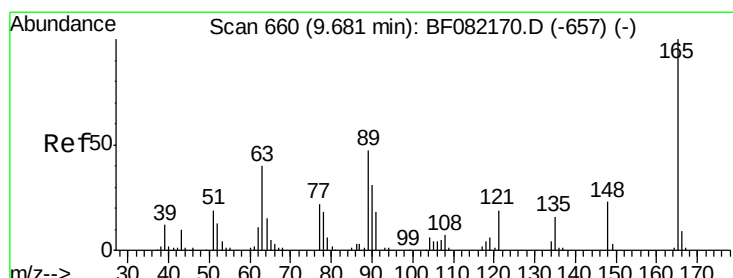
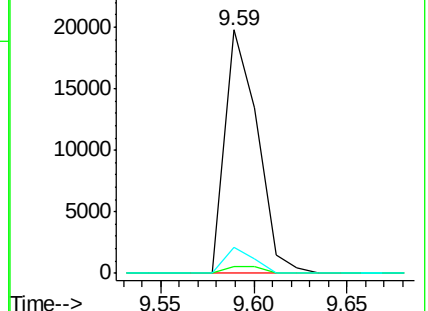
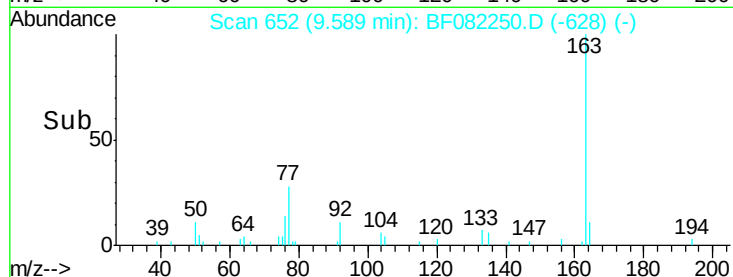
164 10.5 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 9.15 ng

RT: 9.87 min Scan# 677

Delta R.T. 0.19 min

Lab File: BF082250.D

Acq: 13 Oct 2015 8:31

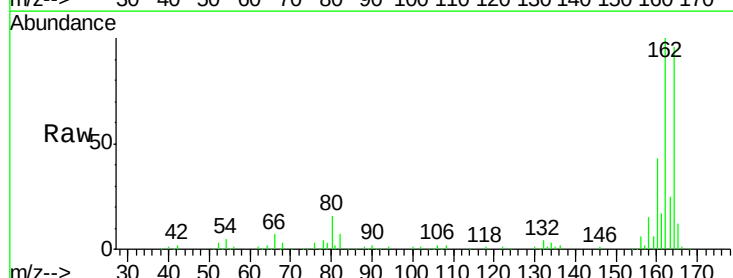
Tgt Ion:165 Resp: 18526

Ion Ratio Lower Upper

165 100

63 1.6 36.7 55.1#

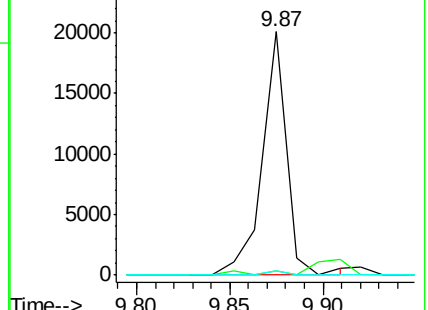
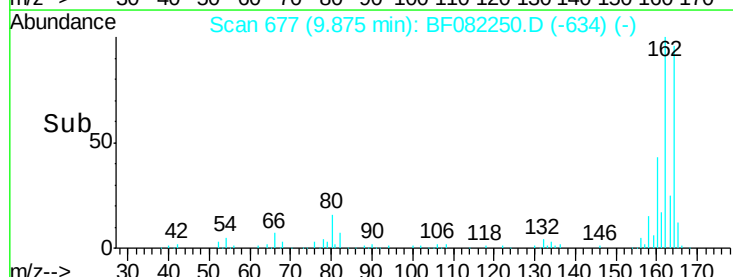
89 1.5 37.8 56.6#

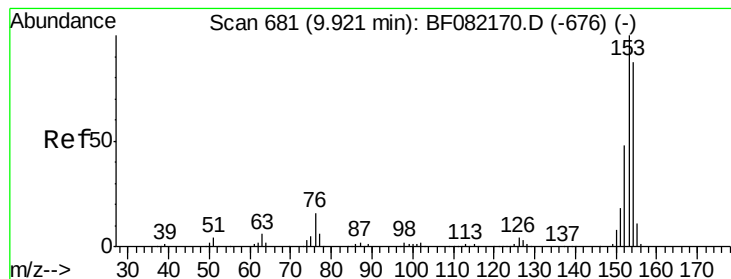


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 2.89 ng

RT: 9.91 min Scan# 680

Delta R.T. -0.01 min

Lab File: BF082250.D

Acq: 13 Oct 2015 8:31

Instrument :

BNA_F

ClientSampleId :

MGP222BR-22-24DL

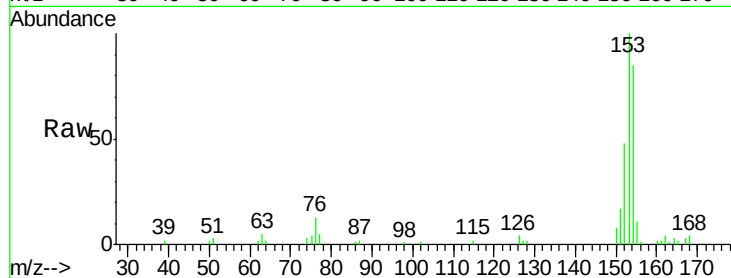
Tot Ion:154 Resp: 22131

Ion Ratio Lower Upper

154 100

153 117.1 91.4 137.2

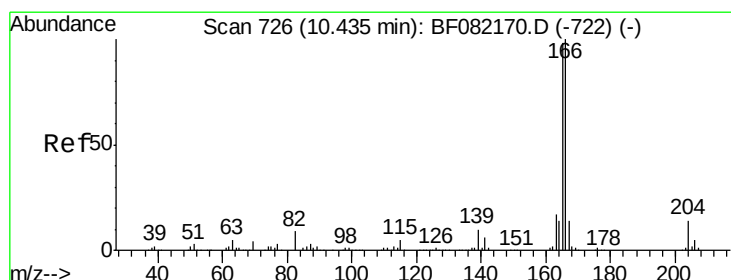
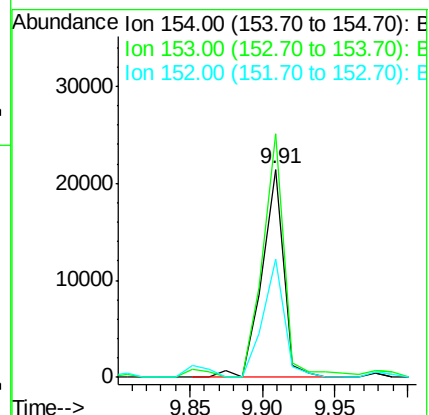
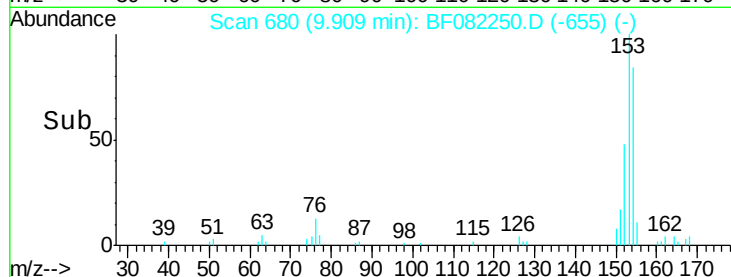
152 56.7 44.3 66.5



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 4.34 ng

RT: 10.42 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF082250.D

Acq: 13 Oct 2015 8:31

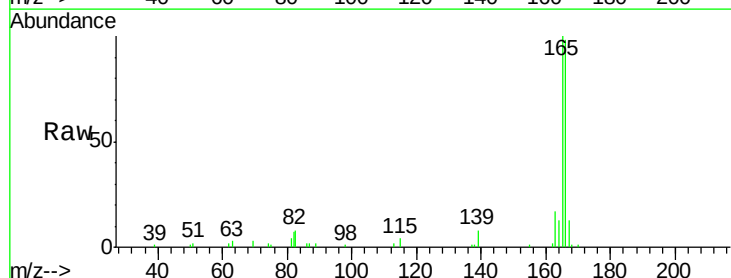
Tgt Ion:166 Resp: 37450

Ion Ratio Lower Upper

166 100

165 101.6 78.3 117.5

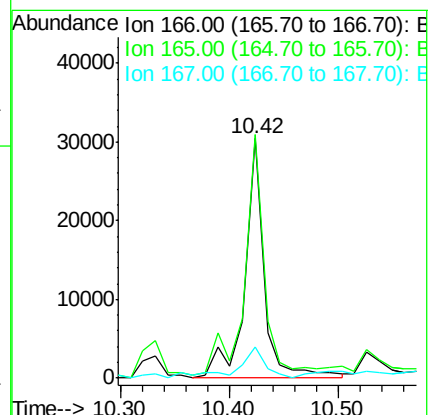
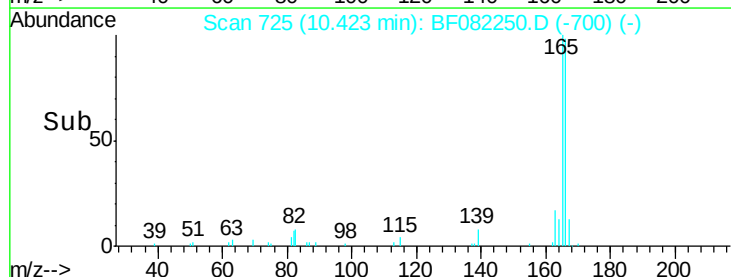
167 13.2 10.8 16.2

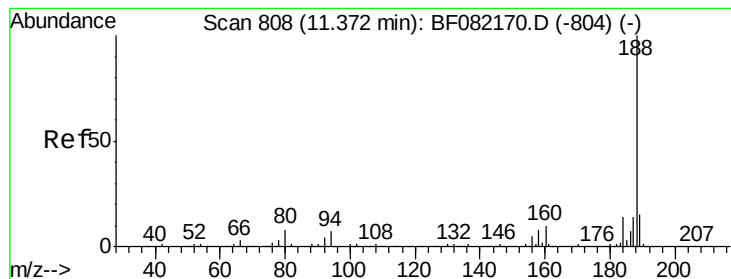


Abundance Ion 166.00 (165.70 to 166.70): E

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: 11.36 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF082250.D

Acq: 13 Oct 2015 8:31

Instrument :

BNA_F

ClientSampleId :

MGP222BR-22-24DL

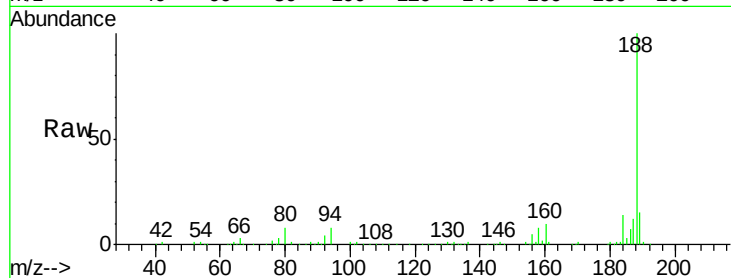
Tot Ion:188 Resp: 275946

Ion Ratio Lower Upper

188 100

94 7.8 5.8 8.6

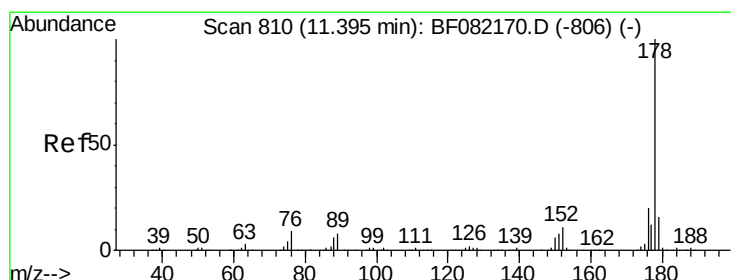
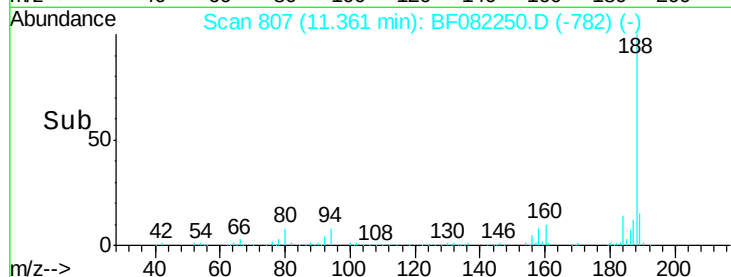
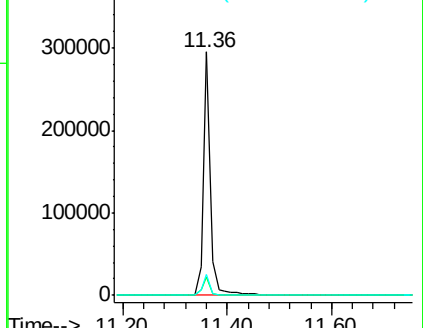
80 8.3 6.4 9.6



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: 11.46 ng

RT: 11.38 min Scan# 809

Delta R.T. -0.01 min

Lab File: BF082250.D

Acq: 13 Oct 2015 8:31

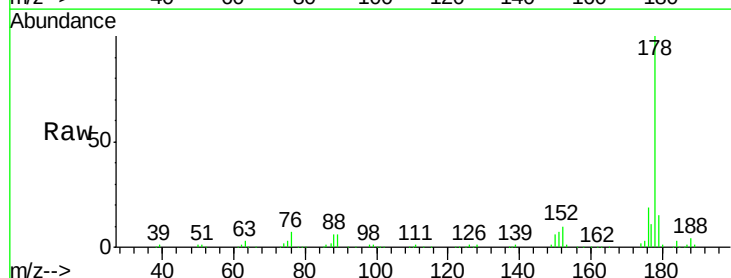
Tgt Ion:178 Resp: 155057

Ion Ratio Lower Upper

178 100

176 18.6 16.0 24.0

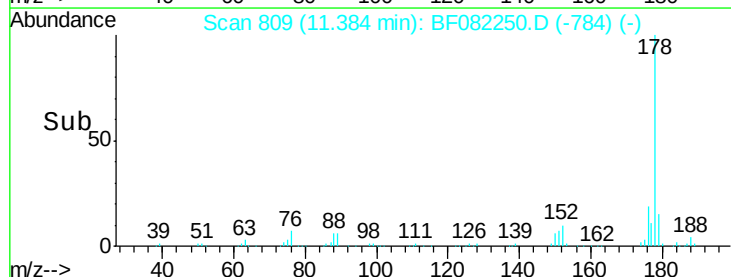
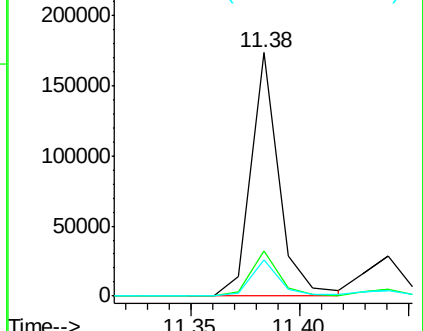
179 15.0 12.6 19.0

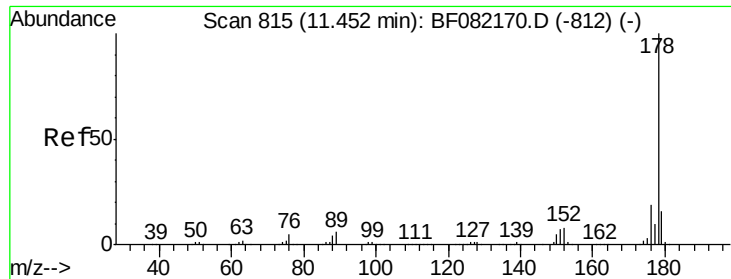


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

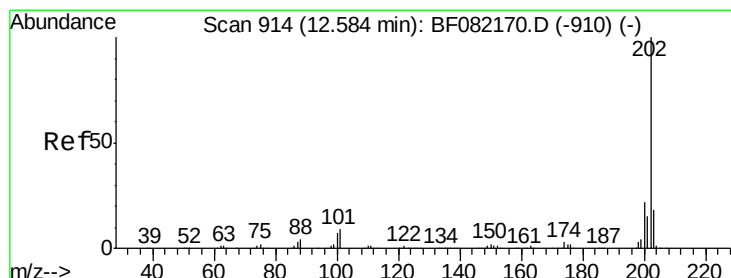
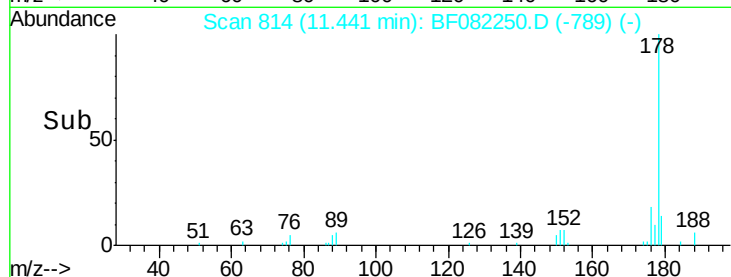
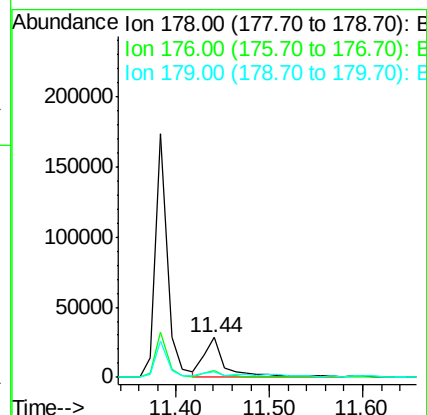
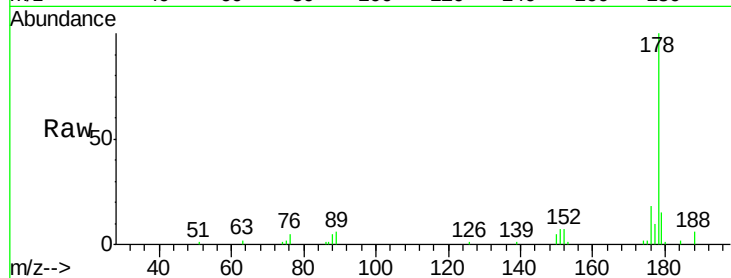




#71
 Anthracene
 Concen: 3.10 ng
 RT: 11.44 min Scan# 814
 Delta R.T. -0.01 min
 Lab File: BF082250.D
 Acq: 13 Oct 2015 8:31

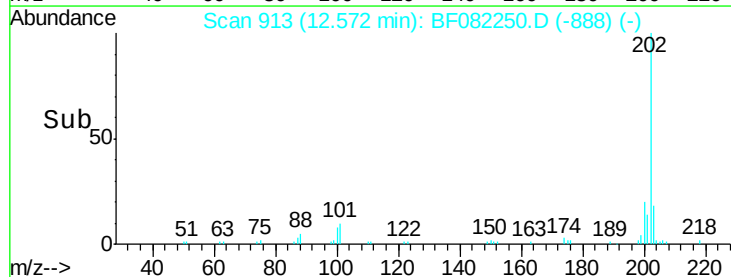
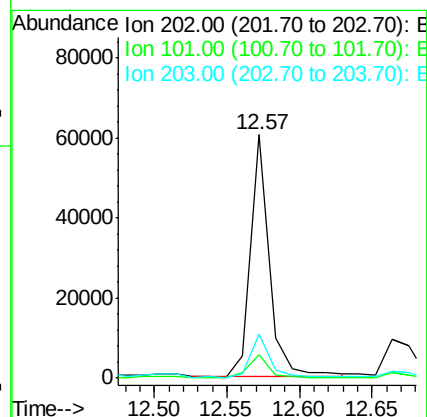
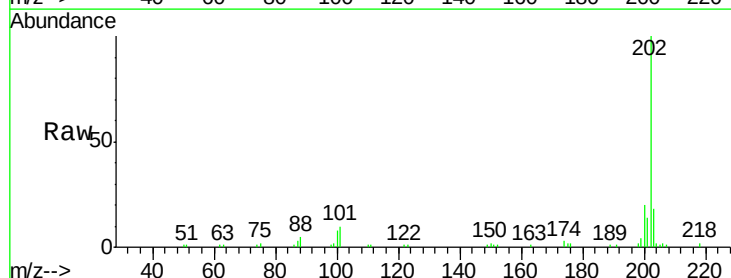
Instrument :
 BNA_F
 ClientSampleId :
 MGP222BR-22-24DL

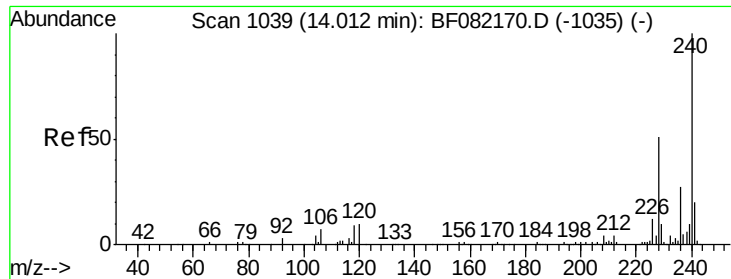
Tot Ion:178 Resp: 43222
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.4 23.0
 179 15.3 12.5 18.7



#74
 Fluoranthene
 Concen: 3.77 ng
 RT: 12.57 min Scan# 913
 Delta R.T. -0.01 min
 Lab File: BF082250.D
 Acq: 13 Oct 2015 8:31

Tgt Ion:202 Resp: 54697
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 29.3
 203 18.1 0.0 37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF082250.D

Acq: 13 Oct 2015 8:31

Instrument :

BNA_F

ClientSampleId :

MGP222BR-22-24DL

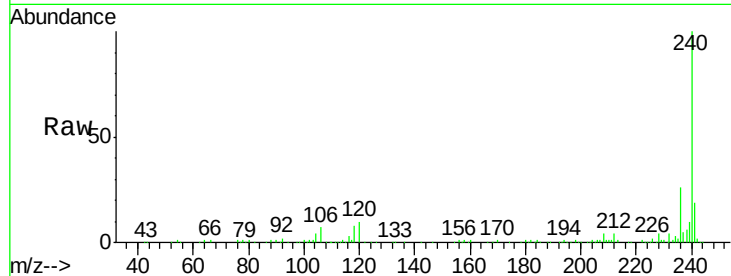
Tot Ion:240 Resp: 256848

Ion Ratio Lower Upper

240 100

120 9.6 8.1 12.1

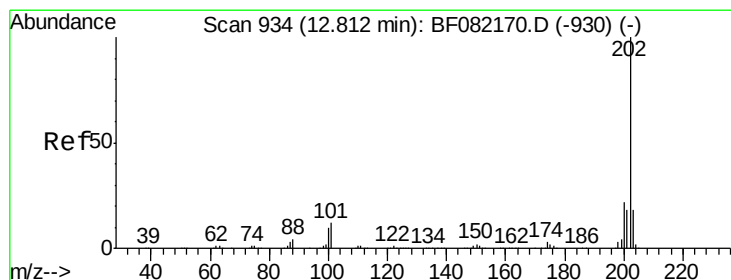
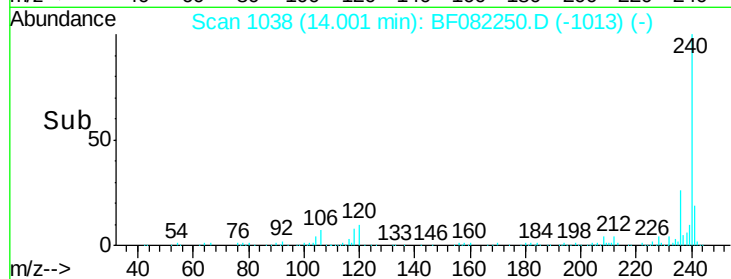
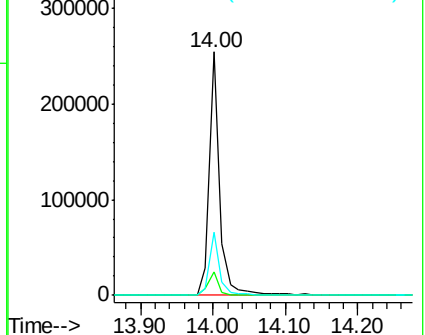
236 25.8 21.3 31.9



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: 5.74 ng

RT: 12.80 min Scan# 933

Delta R.T. -0.01 min

Lab File: BF082250.D

Acq: 13 Oct 2015 8:31

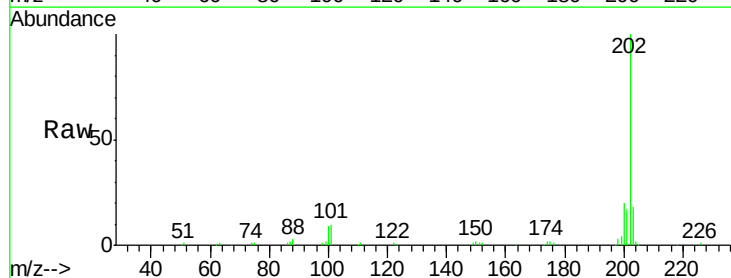
Tgt Ion:202 Resp: 87549

Ion Ratio Lower Upper

202 100

200 20.4 17.9 26.9

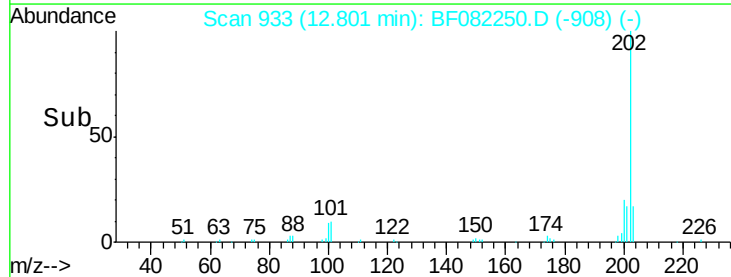
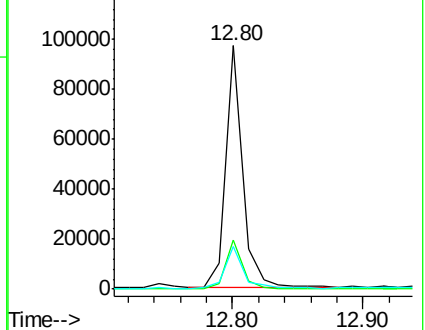
203 17.7 14.5 21.7

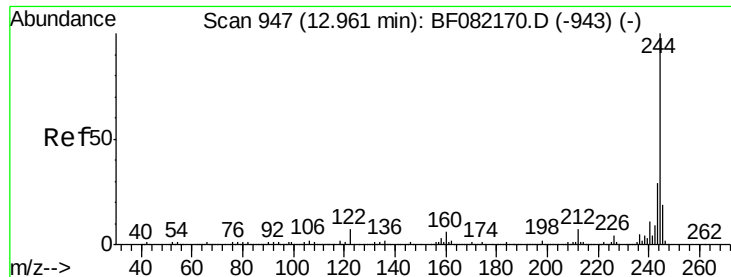


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 10.94 ng

RT: 12.95 min Scan# 946

Delta R.T. -0.01 min

Lab File: BF082250.D

Acq: 13 Oct 2015 8:31

Instrument :

BNA_F

ClientSampleId :

MGP222BR-22-24DL

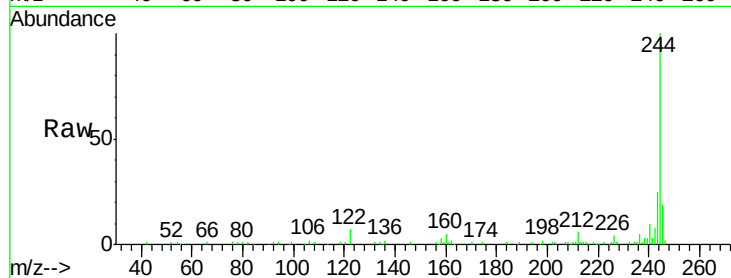
Tot Ion:244 Resp: 106044

Ion Ratio Lower Upper

244 100

212 6.1 5.8 8.6

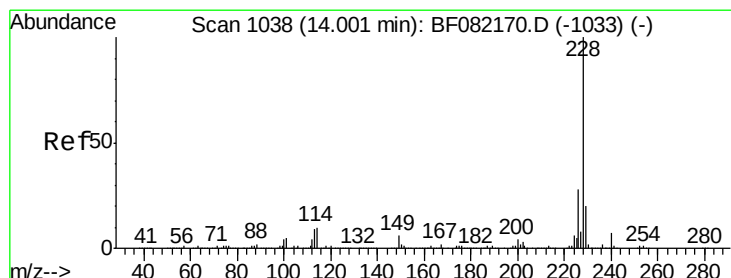
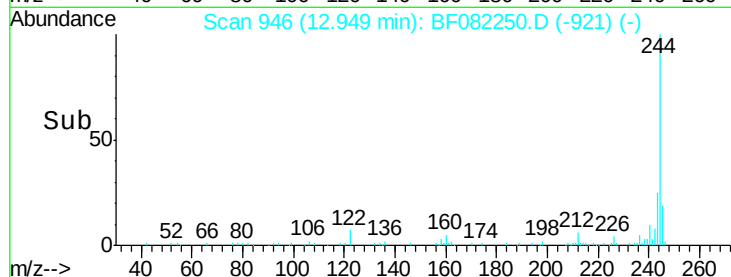
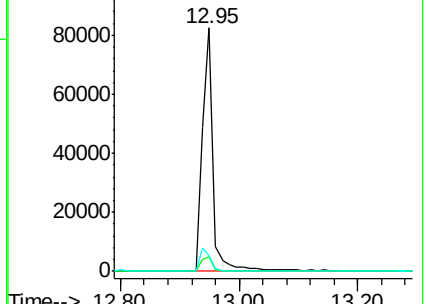
122 6.5 5.9 8.9



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: 2.40 ng

RT: 13.99 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF082250.D

Acq: 13 Oct 2015 8:31

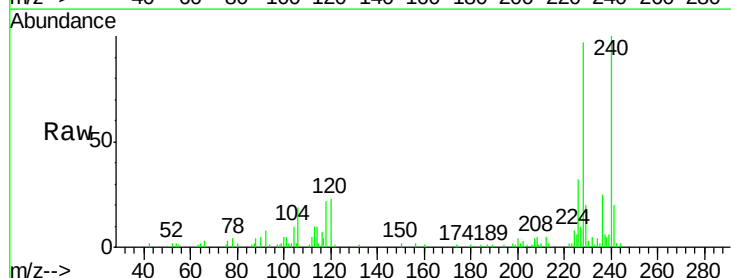
Tgt Ion:228 Resp: 32027

Ion Ratio Lower Upper

228 100

226 32.5 22.3 33.5

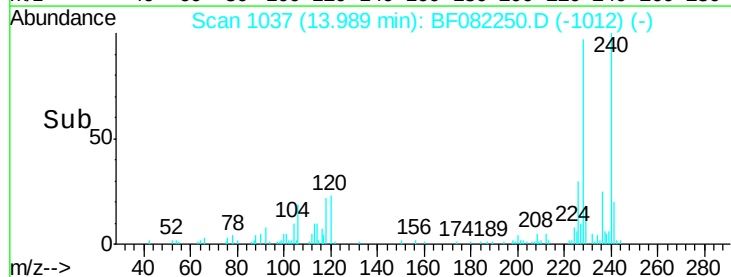
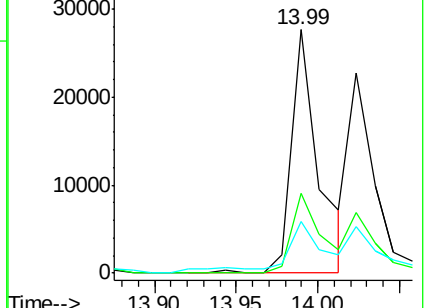
229 20.9 16.2 24.2

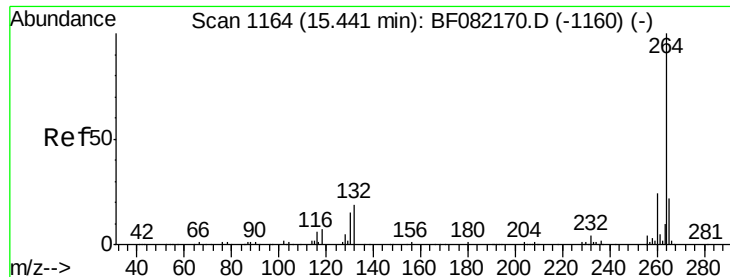


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

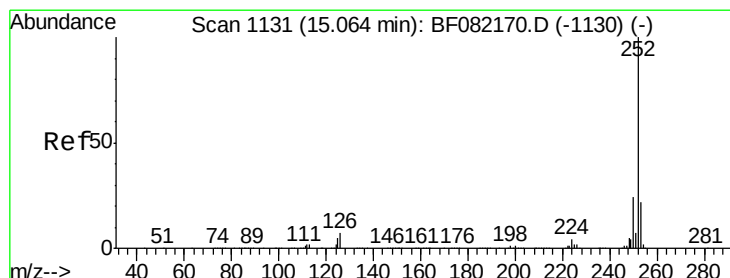
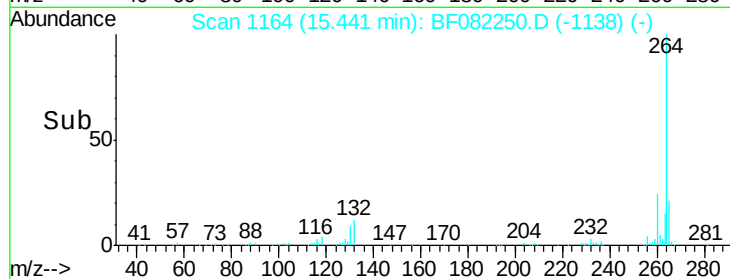
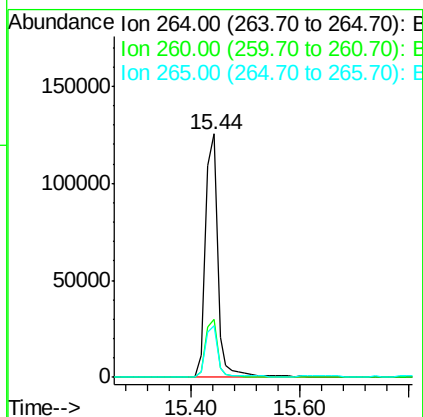
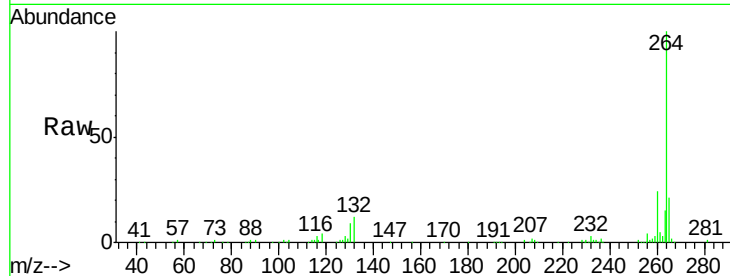




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1164
Delta R.T. -0.00 min
Lab File: BF082250.D
Acq: 13 Oct 2015 8:31

Instrument :
BNA_F
ClientSampleId :
MGP222BR-22-24DL

Tot Ion:264 Resp: 198493
Ion Ratio Lower Upper
264 100
260 23.6 19.0 28.6
265 21.5 17.3 25.9



#88
Benzo(k)fluoranthene
Concen: 2.13 ng
RT: 15.03 min Scan# 1128
Delta R.T. -0.03 min
Lab File: BF082250.D
Acq: 13 Oct 2015 8:31

Tgt Ion:252 Resp: 21625
Ion Ratio Lower Upper
252 100
253 24.2 17.8 26.6
125 10.2 6.7 10.1#

