

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101015\
 Data File : BF082199.D
 Acq On : 11 Oct 2015 2:42
 Operator : UM/IZ
 Sample : G3974-02
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MGP222BR-22-24

Quant Time: Oct 12 03:04:00 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 02:59:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	85718	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	319415	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	156421	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	305726	20.00	ng	0.00
75) Chrysene-d12	14.00	240	258403	20.00	ng	-0.01
86) Perylene-d12	15.44	264	201503	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	390836	92.02	ng	0.00
7) Phenol-d6	6.47	99	522600	94.55	ng	-0.01
23) Nitrobenzene-d5	7.41	82	345257	72.59	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	150780	102.79	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	603981	64.03	ng	-0.01
78) Terphenyl-d14	12.95	244	543004	55.69	ng	-0.01

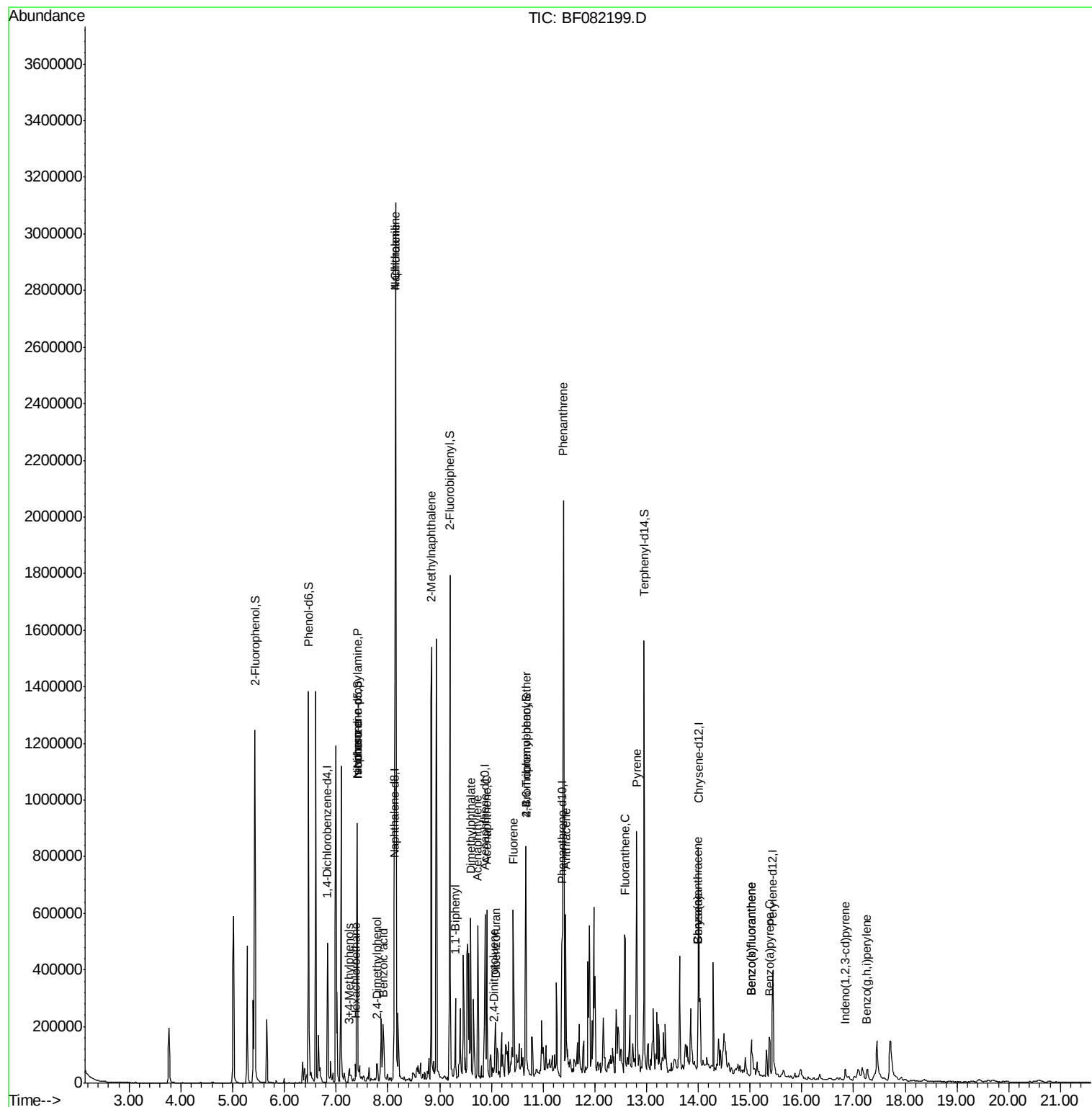
Target Compounds						Qvalue
18) Hexachloroethane	7.37	117	8622	3.99	ng	# 1
19) n-Nitroso-di-n-propylamine	7.41	70	45167	11.64	ng	# 79
20) 3+4-Methylphenols	7.26	107	24123	4.94	ng	# 60
25) Isophorone	7.41	82	271861	28.32	ng	# 66
27) 2,4-Dimethylphenol	7.78	122	17623	4.25	ng	97
31) Naphthalene	8.15	128	2373065	171.39	ng	97
32) Benzoic acid	7.92	122	9424	3.39	ng	# 30
33) 4-Chloroaniline	8.15	127	333134	57.93	ng	# 32
37) 2-Methylnaphthalene	8.85	142	657734	68.52	ng	99
45) 1,1'-Biphenyl	9.30	154	101847	8.54	ng	96
48) Acenaphthylene	9.74	152	163425	11.17	ng	# 96
49) Dimethylphthalate	9.60	163	194022	17.61	ng	99
51) Acenaphthene	9.91	154	137964	15.71	ng	99
54) Dibenzofuran	10.08	168	43716	3.63	ng	# 76
56) 2,4-Dinitrotoluene	10.06	165	6434	2.21	ng	# 62
57) Fluorene	10.42	166	229555	23.18	ng	99
66) 4-Bromophenyl-phenylether	10.67	248	9387	3.07	ng	# 1
70) Phenanthrene	11.39	178	855006	57.05	ng	100
71) Anthracene	11.44	178	274348	17.77	ng	99
74) Fluoranthene	12.58	202	303576	18.86	ng	97
77) Pyrene	12.81	202	475102	30.98	ng	98
80) Benzo(a)anthracene	13.99	228	160159	11.91	ng	93
82) Chrysene	13.99	228	160159	11.31	ng	96
85) Indeno(1,2,3-cd)pyrene	16.84	276	35034	3.11	ng	# 90
87) Benzo(b)fluoranthene	15.03	252	113686	9.27	ng	99
88) Benzo(k)fluoranthene	15.03	252	113686	11.03	ng	# 98
89) Benzo(a)pyrene	15.38	252	95862	9.10	ng	# 96
91) Benzo(g,h,i)perylene	17.26	276	37508	4.47	ng	97

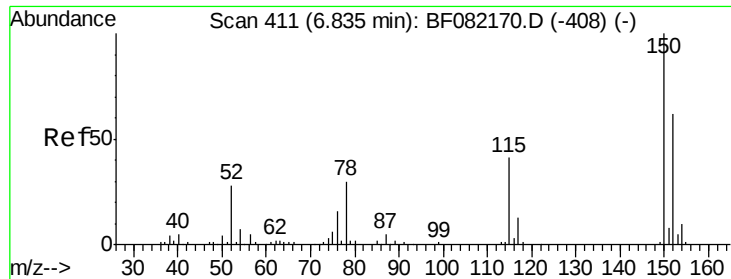
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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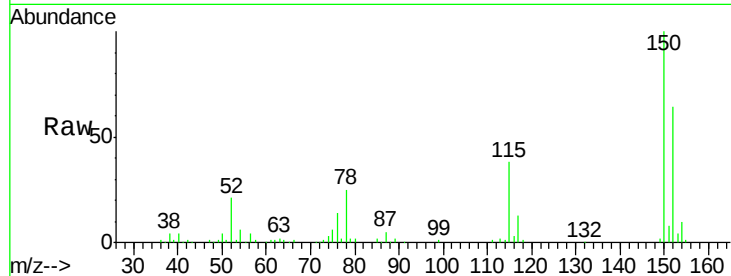


#1

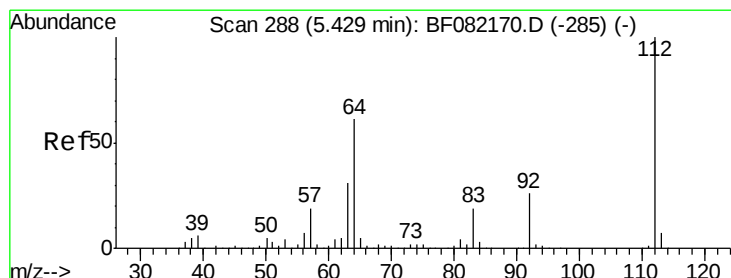
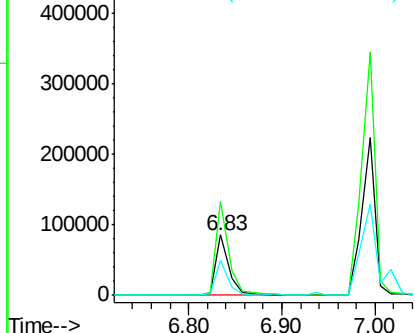
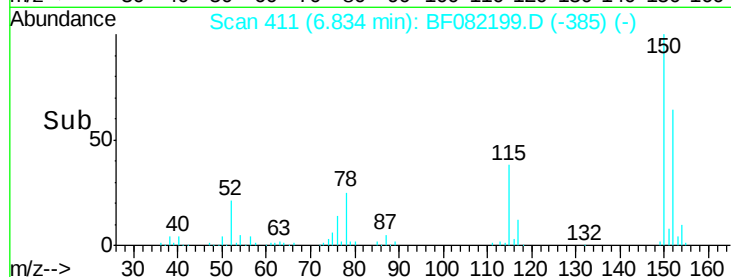
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.83 min Scan# 411
 Delta R.T. 0.00 min
 Lab File: BF082199.D
 Acq: 11 Oct 2015 2:42

Instrument :
 BNA_F
 ClientSampleId :
 MGP222BR-22-24

Tot Ion:152 Resp: 85718
 Ion Ratio Lower Upper
 152 100
 150 155.5 129.0 193.4
 115 58.7 52.1 78.1



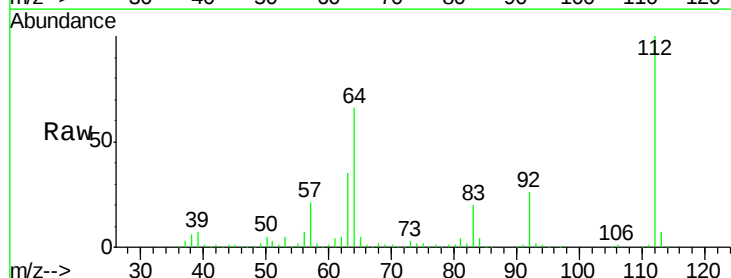
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



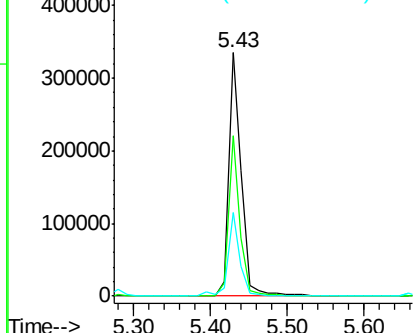
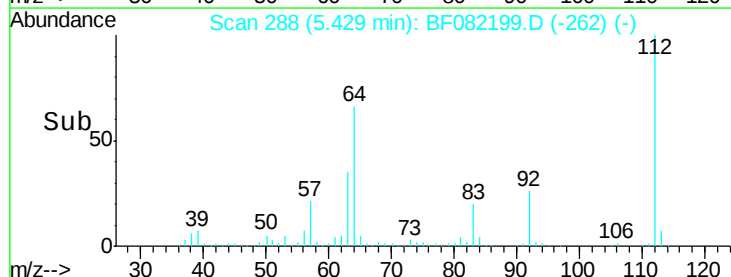
#5

2-Fluorophenol
 Concen: 92.02 ng
 RT: 5.43 min Scan# 288
 Delta R.T. 0.00 min
 Lab File: BF082199.D
 Acq: 11 Oct 2015 2:42

Tgt Ion:112 Resp: 390836
 Ion Ratio Lower Upper
 112 100
 64 66.1 48.6 73.0
 63 34.6 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: 94.55 ng

RT: 6.47 min Scan# 379

Delta R.T. -0.01 min

Lab File: BF082199.D

Acq: 11 Oct 2015 2:42

Instrument :

BNA_F

ClientSampleId :

MGP222BR-22-24

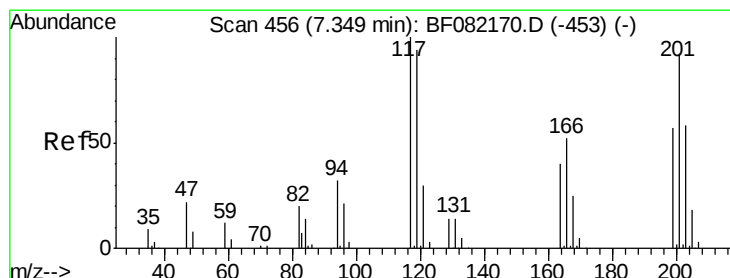
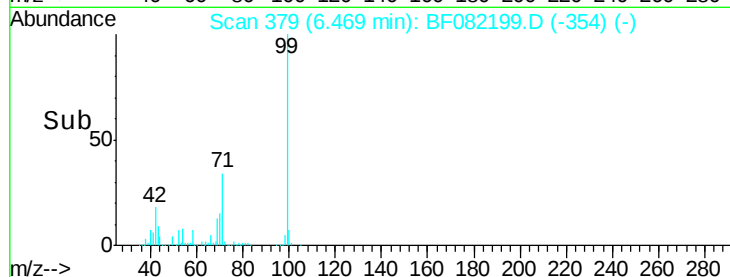
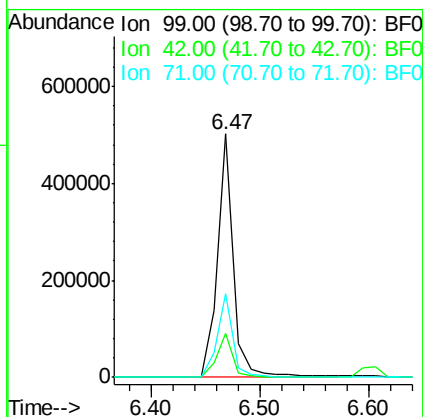
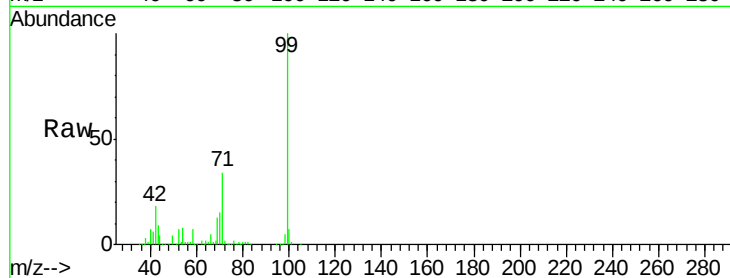
Tot Ion: 99 Resp: 522600

Ion Ratio Lower Upper

99 100

42 18.0 13.2 19.8

71 34.3 25.6 38.4



#18

Hexachloroethane

Concen: 3.99 ng

RT: 7.37 min Scan# 458

Delta R.T. 0.02 min

Lab File: BF082199.D

Acq: 11 Oct 2015 2:42

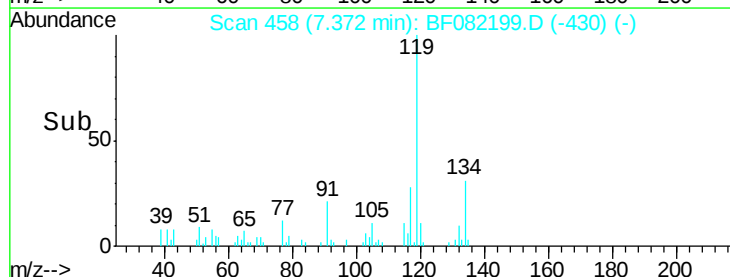
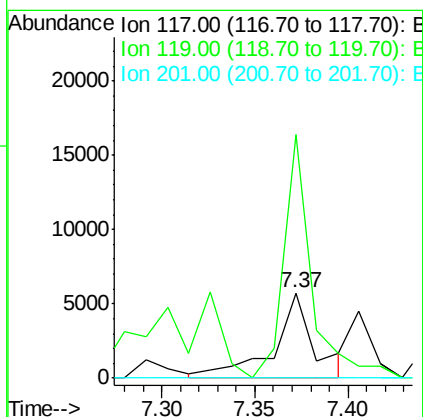
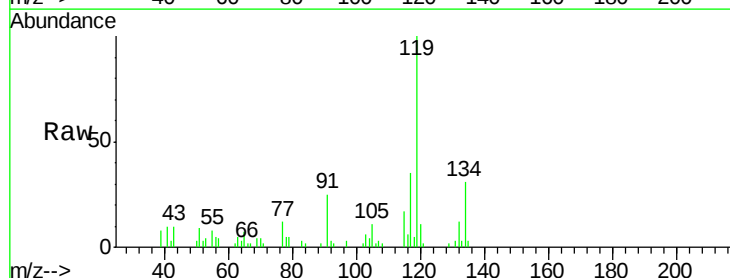
Tgt Ion: 117 Resp: 8622

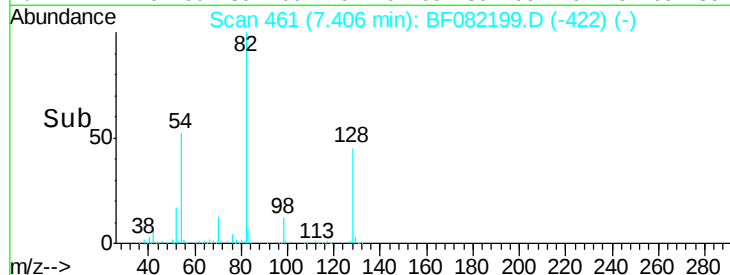
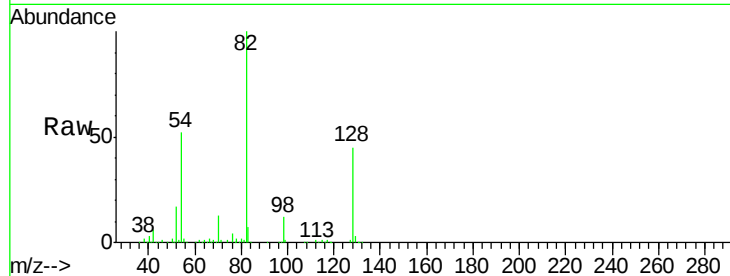
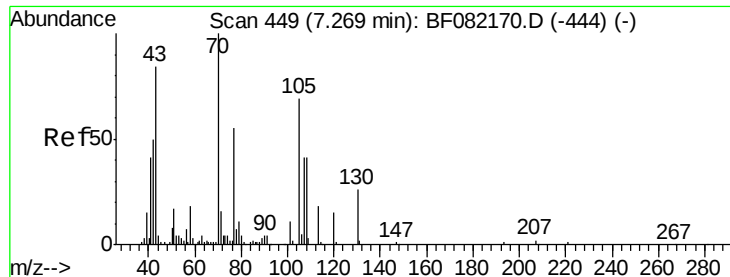
Ion Ratio Lower Upper

117 100

119 285.4 75.4 113.2#

201 0.0 73.4 110.0#

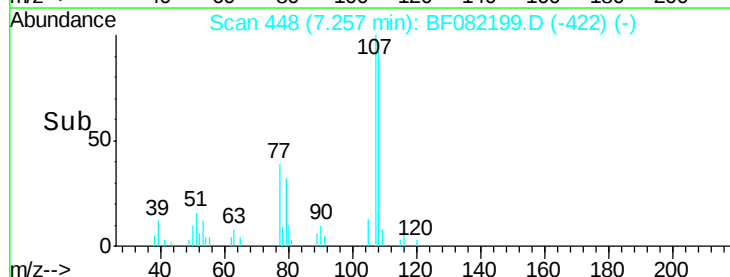
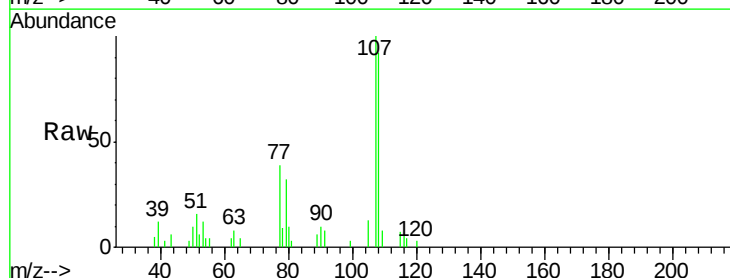
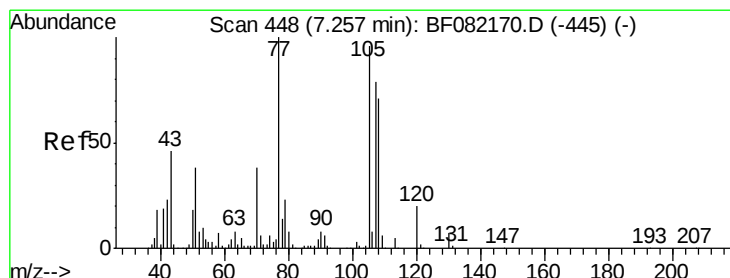
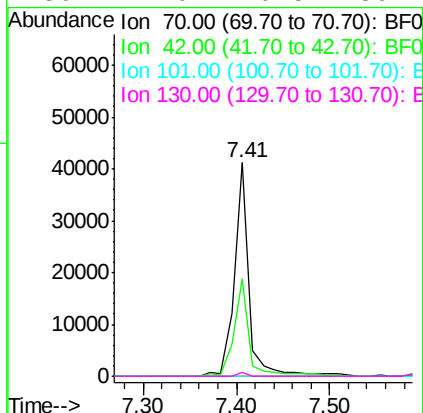




#19
n-Nitroso-di-n-propylamine
Concen: 11.64 ng
RT: 7.41 min Scan# 461
Delta R.T. 0.15 min
Lab File: BF082199.D
Acq: 11 Oct 2015 2:42

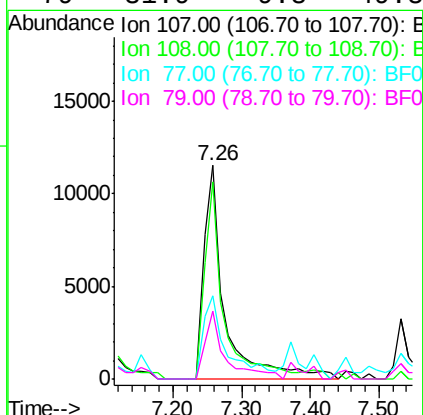
Instrument :
BNA_F
ClientSampleId :
MGP222BR-22-24

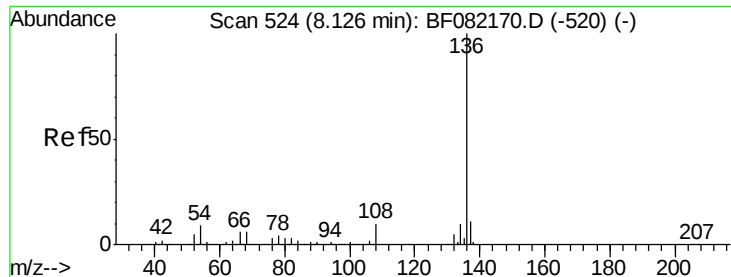
Tot Ion	Ratio	Lower	Upper
70	100		
42	45.3	39.8	59.8
101	0.0	8.6	13.0#
130	2.0	20.5	30.7#



#20
3+4-Methylphenols
Concen: 4.94 ng
RT: 7.26 min Scan# 448
Delta R.T. 0.00 min
Lab File: BF082199.D
Acq: 11 Oct 2015 2:42

Tgt Ion	Ratio	Lower	Upper
107	100		
108	92.3	69.9	109.9
77	39.0	106.0	146.0#
79	31.9	9.8	49.8





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 524

Delta R.T. 0.00 min

Lab File: BF082199.D

Acq: 11 Oct 2015 2:42

Instrument :

BNA_F

ClientSampleId :

MGP222BR-22-24

Tot Ion:136 Resp: 319415

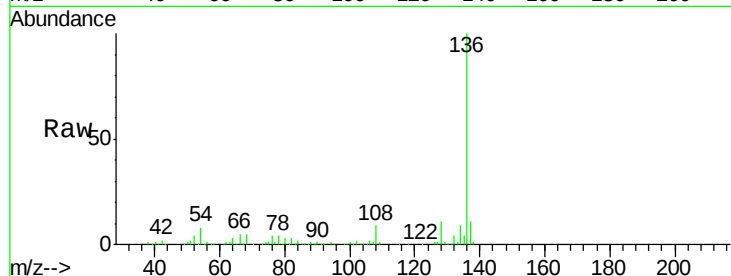
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.6

54 8.4 7.5 11.3

68 5.1 4.6 7.0

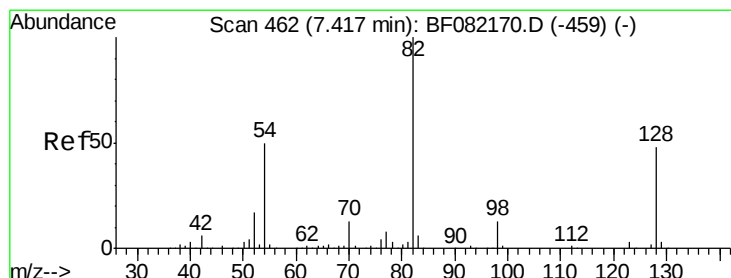
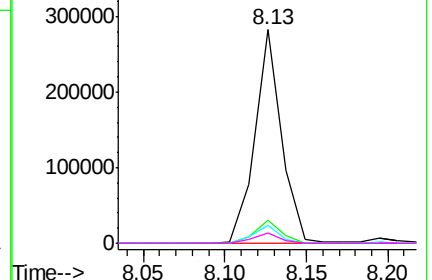
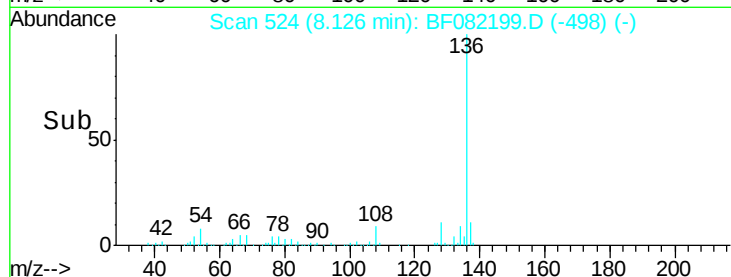


Abundance Ion 136.00 (135.70 to 136.70): E

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: 72.59 ng

RT: 7.41 min Scan# 461

Delta R.T. -0.01 min

Lab File: BF082199.D

Acq: 11 Oct 2015 2:42

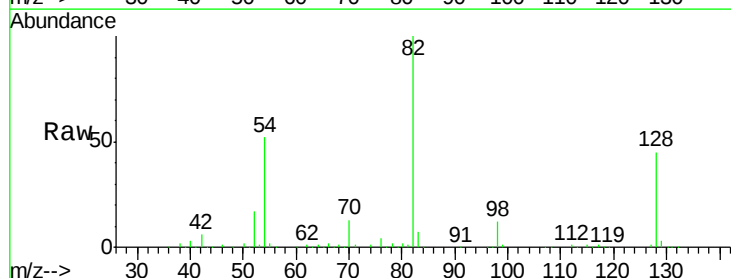
Tgt Ion: 82 Resp: 345257

Ion Ratio Lower Upper

82 100

128 44.5 38.7 58.1

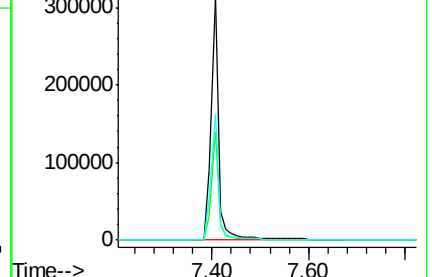
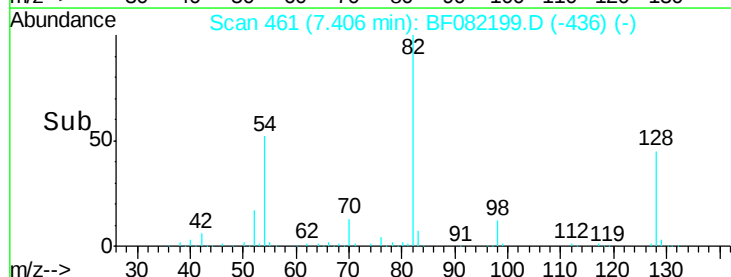
54 51.6 40.1 60.1

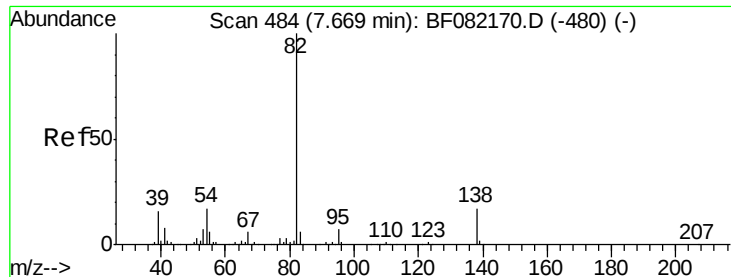


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 28.32 ng

RT: 7.41 min Scan# 461

Delta R.T. -0.26 min

Lab File: BF082199.D

Acq: 11 Oct 2015 2:42

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ClientSampleId :

MGP222BR-22-24

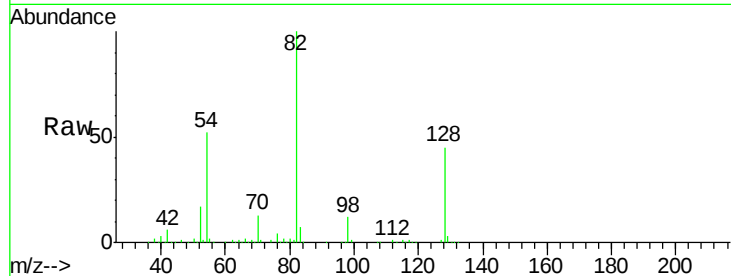
Tot Ion: 82 Resp: 271861

Ion Ratio Lower Upper

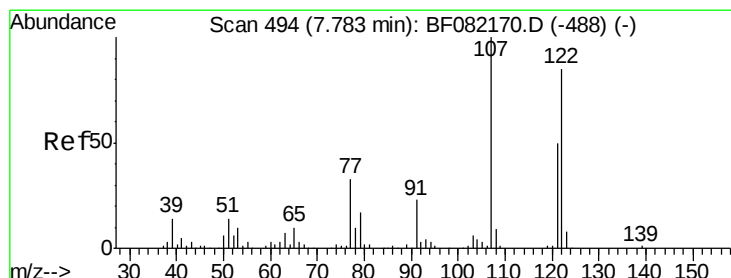
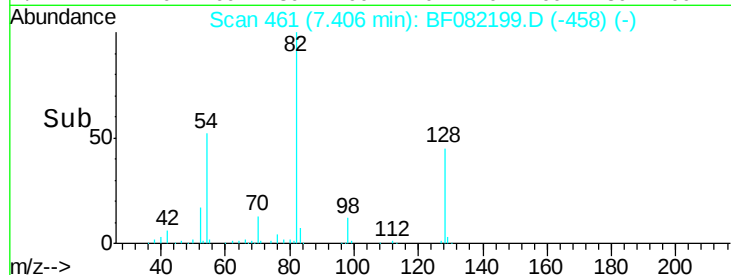
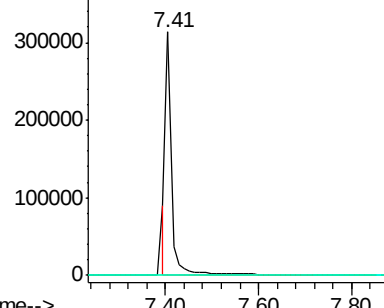
82 100

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): E



#27

2,4-Dimethylphenol

Concen: 4.25 ng

RT: 7.78 min Scan# 494

Delta R.T. 0.00 min

Lab File: BF082199.D

Acq: 11 Oct 2015 2:42

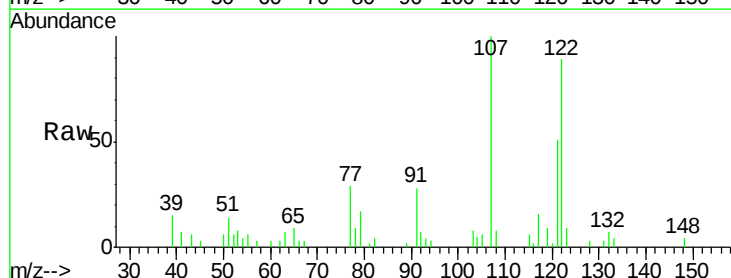
Tgt Ion:122 Resp: 17623

Ion Ratio Lower Upper

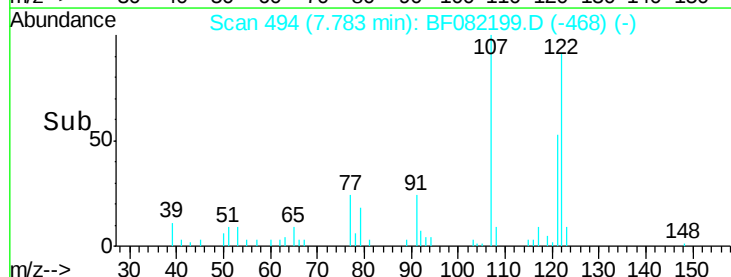
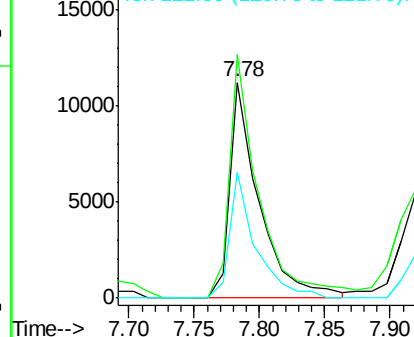
122 100

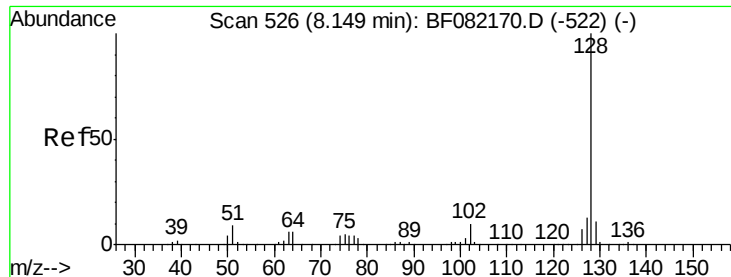
107 112.8 94.0 141.0

121 58.1 46.8 70.2



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

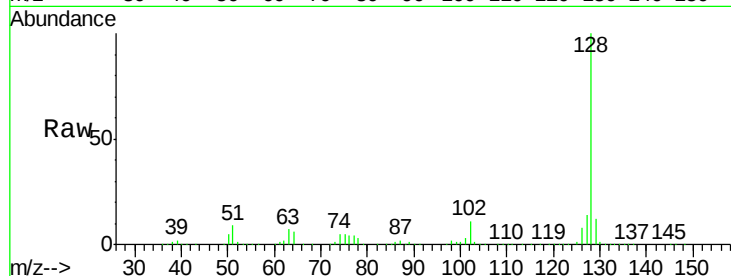




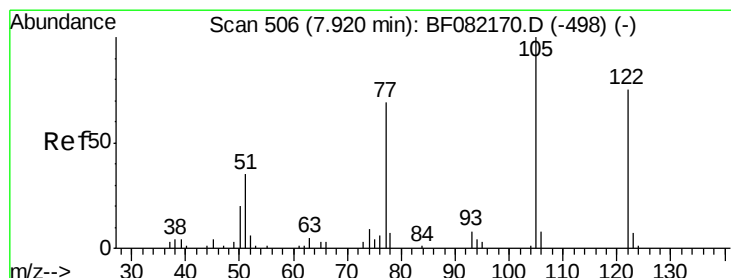
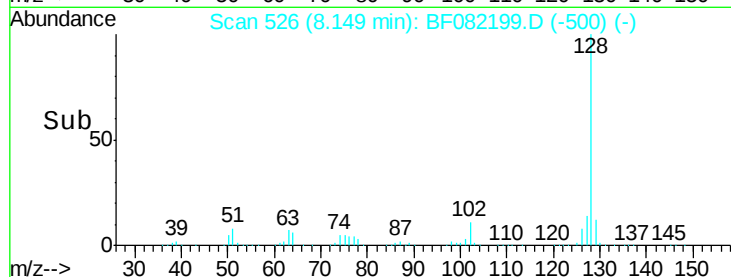
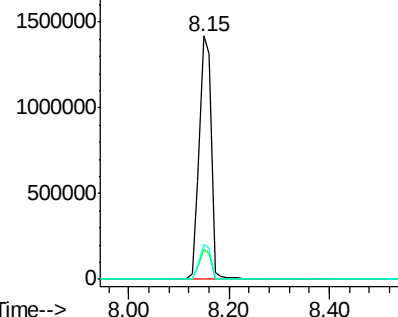
#31
Naphthalene
Concen: 171.39 ng
RT: 8.15 min Scan# 526
Delta R.T. 0.00 min
Lab File: BF082199.D
Acq: 11 Oct 2015 2:42

Instrument :
BNA_F
ClientSampleId :
MGP222BR-22-24

Tot Ion:128 Resp: 2373065
Ion Ratio Lower Upper
128 100
129 12.3 9.1 13.7
127 14.4 10.7 16.1

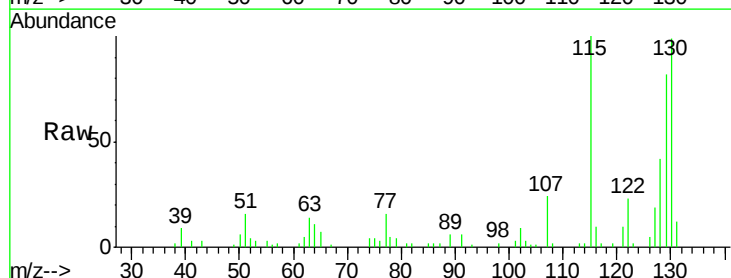


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

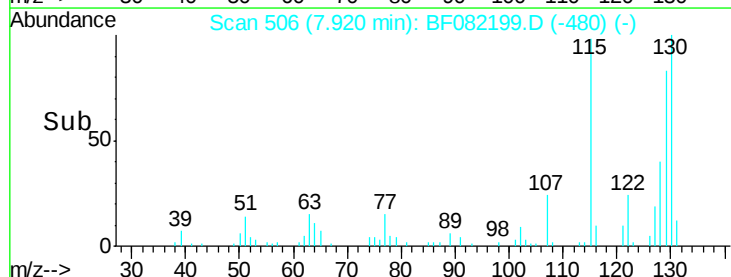
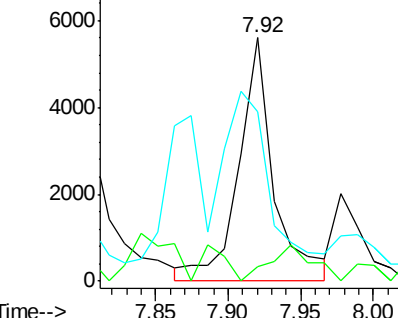


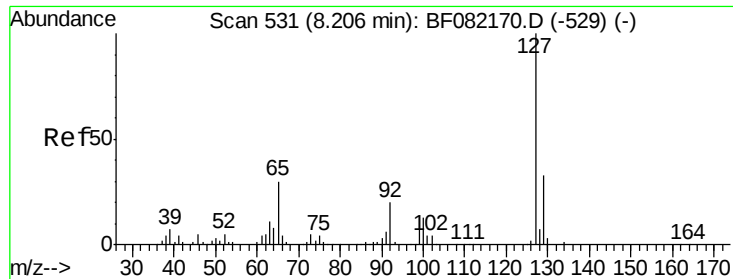
#32
Benzoic acid
Concen: 3.39 ng
RT: 7.92 min Scan# 506
Delta R.T. 0.00 min
Lab File: BF082199.D
Acq: 11 Oct 2015 2:42

Tgt Ion:122 Resp: 9424
Ion Ratio Lower Upper
122 100
105 5.8 104.4 144.4#
77 69.4 69.0 109.0



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

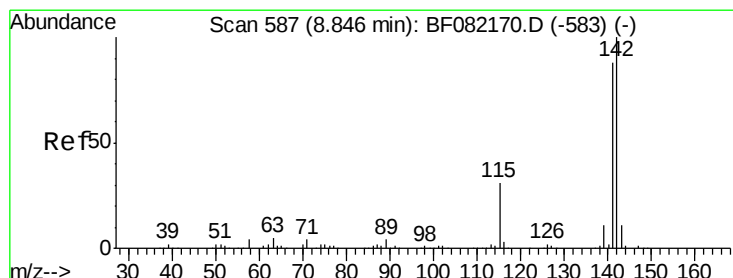
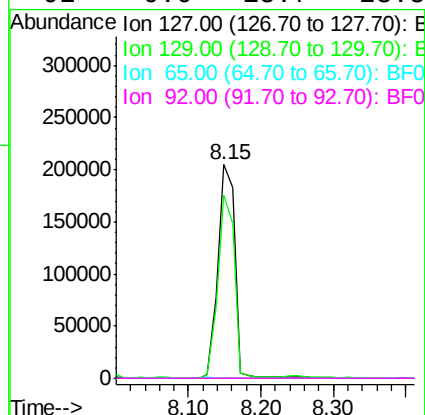
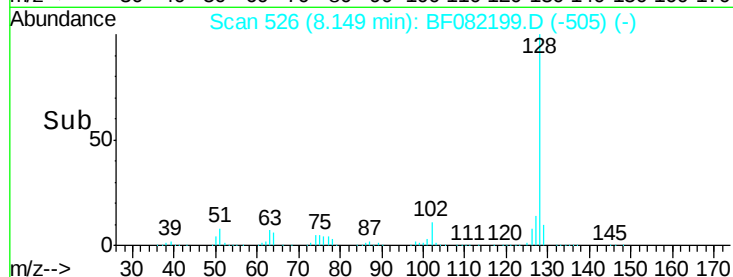
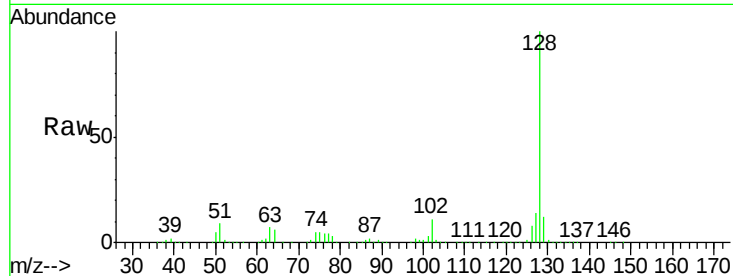




#33
4-Chloroaniline
Concen: 57.93 ng
RT: 8.15 min Scan# 526
Delta R.T. -0.06 min
Lab File: BF082199.D
Acq: 11 Oct 2015 2:42

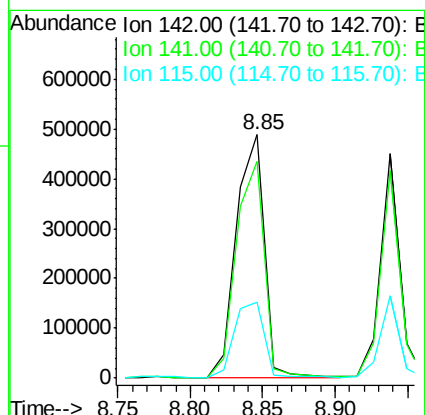
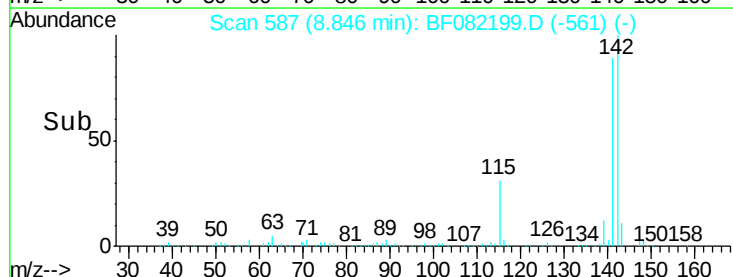
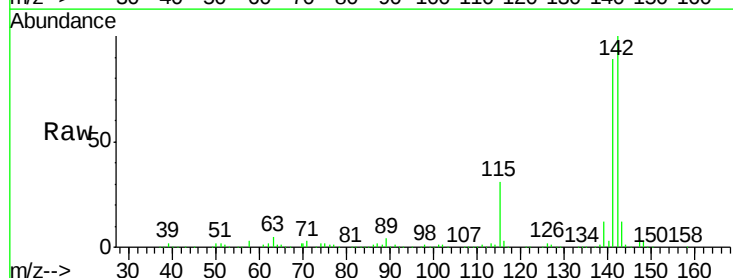
Instrument :
BNA_F
ClientSampleId :
MGP222BR-22-24

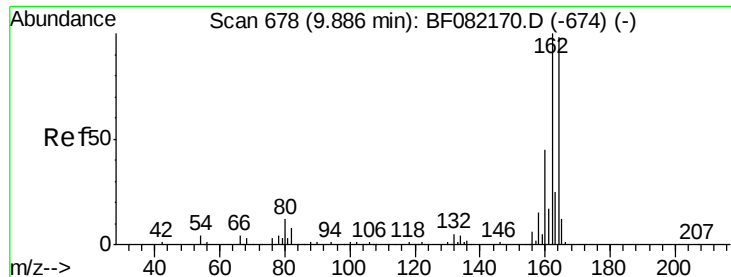
Tot Ion:127 Resp: 333134
Ion Ratio Lower Upper
127 100
129 85.6 26.3 39.5#
65 0.0 24.4 36.6#
92 0.0 15.7 23.5#



#37
2-Methylnaphthalene
Concen: 68.52 ng
RT: 8.85 min Scan# 587
Delta R.T. 0.00 min
Lab File: BF082199.D
Acq: 11 Oct 2015 2:42

Tgt Ion:142 Resp: 657734
Ion Ratio Lower Upper
142 100
141 88.8 70.4 105.6
115 31.4 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: BF082199.D

Acq: 11 Oct 2015 2:42

Instrument :

BNA_F

ClientSampleId :

MGP222BR-22-24

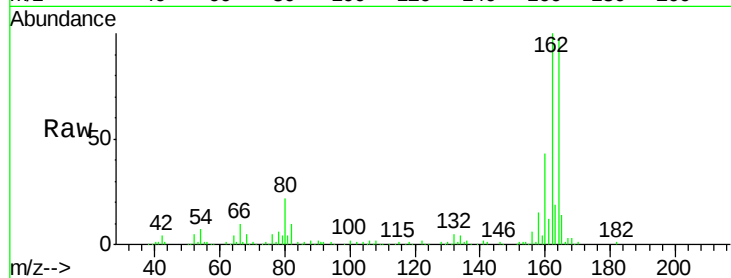
Tot Ion:164 Resp: 156421

Ion Ratio Lower Upper

164 100

162 102.8 81.6 122.4

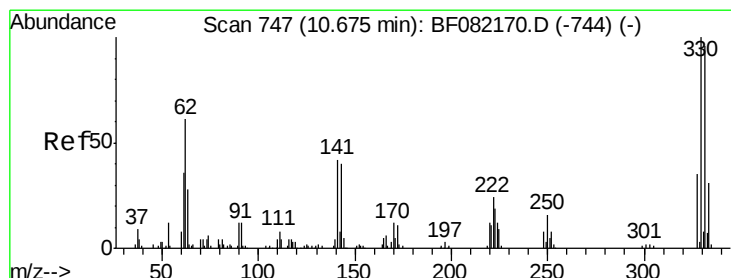
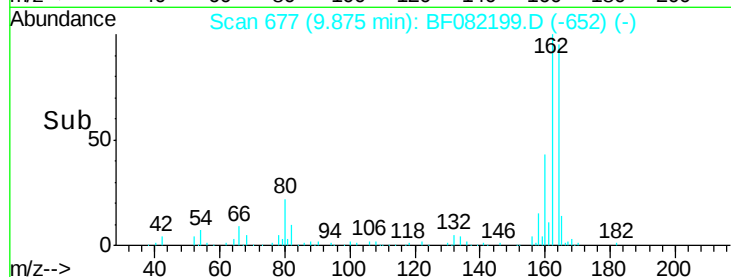
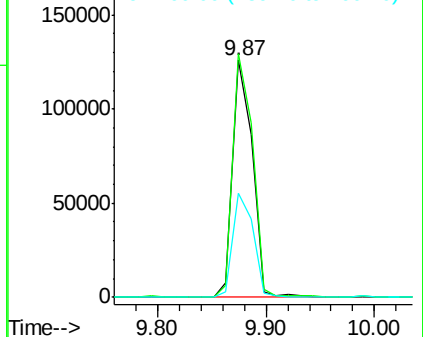
160 44.2 36.4 54.6



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: 102.79 ng

RT: 10.67 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF082199.D

Acq: 11 Oct 2015 2:42

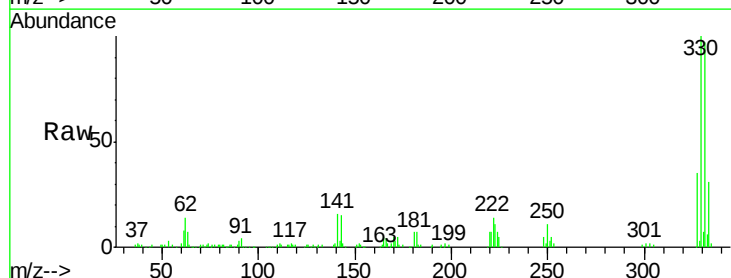
Tgt Ion:330 Resp: 150780

Ion Ratio Lower Upper

330 100

332 97.0 77.1 115.7

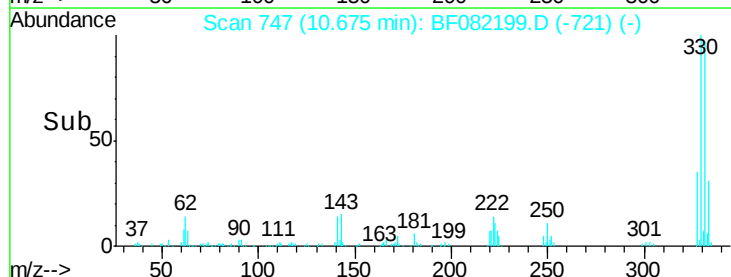
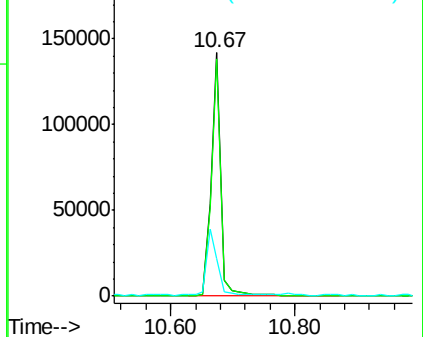
141 30.9 29.8 44.8

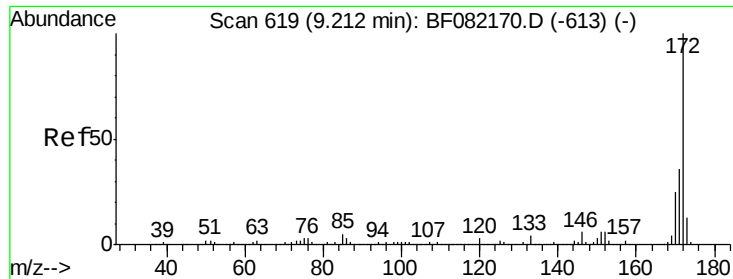


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

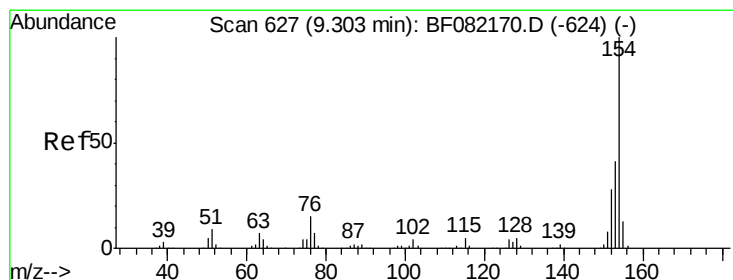
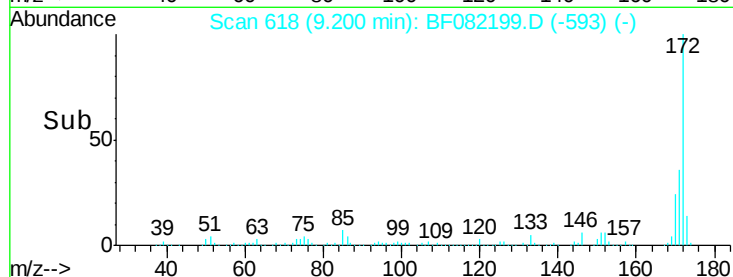
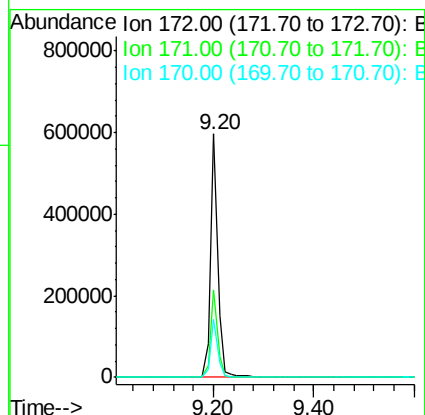
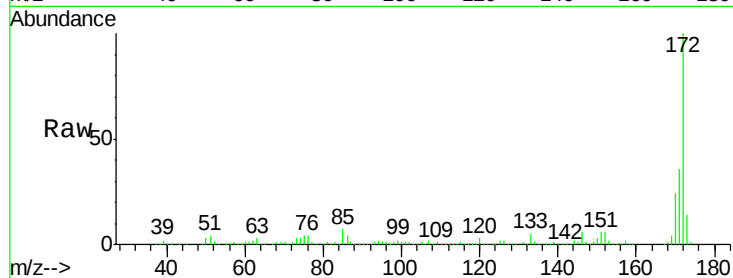




#44
 2-Fluorobiphenyl
 Concen: 64.03 ng
 RT: 9.20 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: BF082199.D
 Acq: 11 Oct 2015 2:42

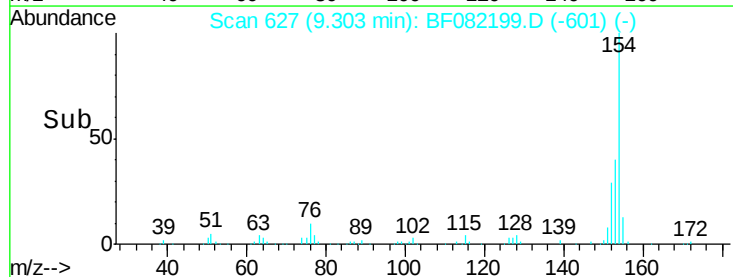
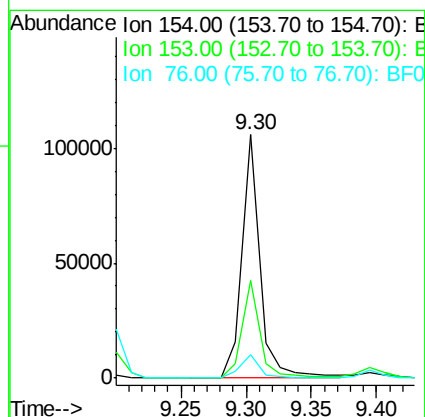
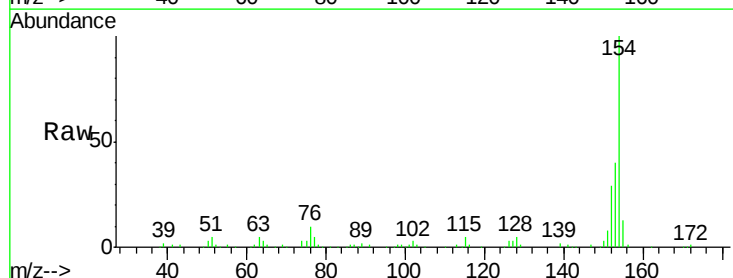
Instrument :
 BNA_F
 ClientSampleId :
 MGP222BR-22-24

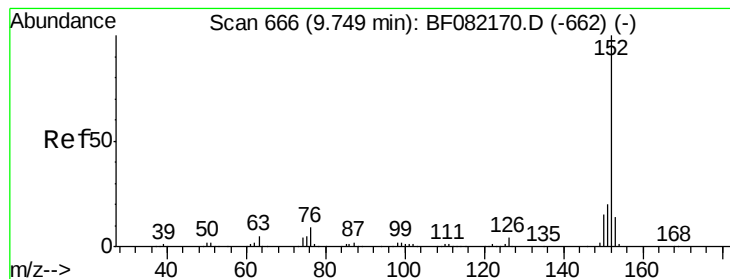
Tot Ion:172 Resp: 603981
 Ion Ratio Lower Upper
 172 100
 171 35.8 28.6 42.8
 170 24.0 19.7 29.5



#45
 1,1'-Biphenyl
 Concen: 8.54 ng
 RT: 9.30 min Scan# 627
 Delta R.T. 0.00 min
 Lab File: BF082199.D
 Acq: 11 Oct 2015 2:42

Tgt Ion:154 Resp: 101847
 Ion Ratio Lower Upper
 154 100
 153 40.2 20.6 60.6
 76 9.9 0.0 35.2





#48

Acenaphthylene

Concen: 11.17 ng

RT: 9.74 min Scan# 665

Delta R.T. -0.01 min

Lab File: BF082199.D

Acq: 11 Oct 2015 2:42

Instrument :

BNA_F

ClientSampleId :

MGP222BR-22-24

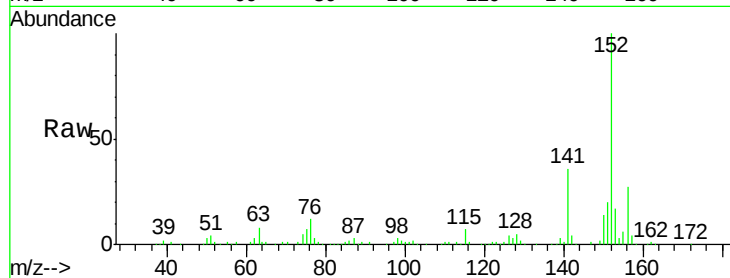
Tot Ion:152 Resp: 163425

Ion Ratio Lower Upper

152 100

151 20.1 16.4 24.6

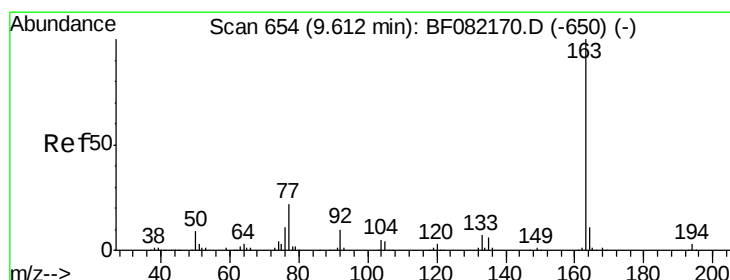
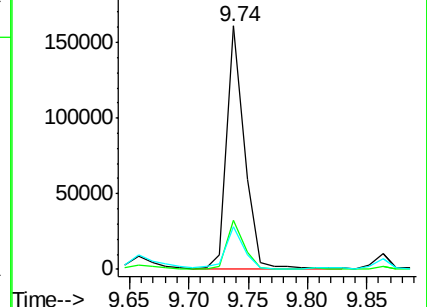
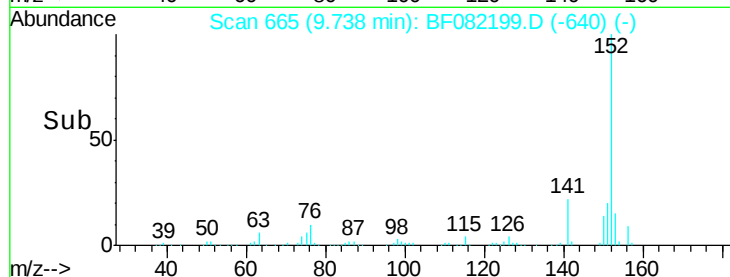
153 17.4 10.8 16.2#



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



#49

Dimethylphthalate

Concen: 17.61 ng

RT: 9.60 min Scan# 653

Delta R.T. -0.01 min

Lab File: BF082199.D

Acq: 11 Oct 2015 2:42

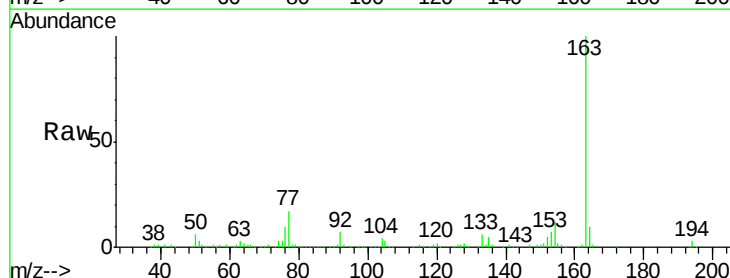
Tgt Ion:163 Resp: 194022

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

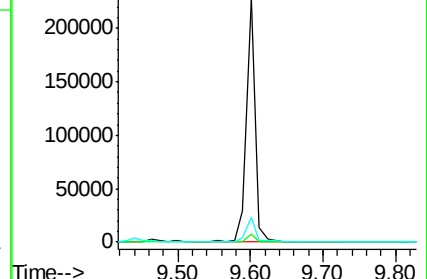
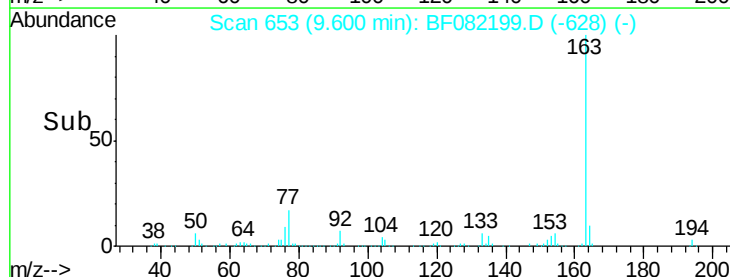
164 10.0 8.5 12.7

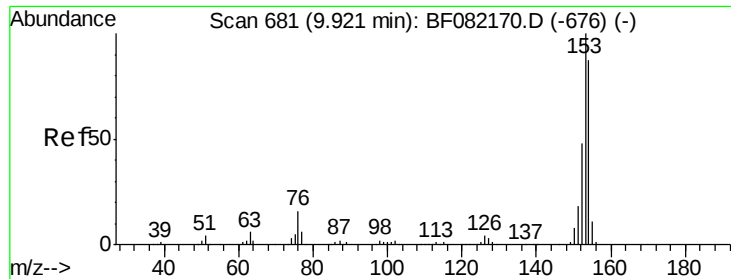


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 15.71 ng

RT: 9.91 min Scan# 680

Delta R.T. -0.01 min

Lab File: BF082199.D

Acq: 11 Oct 2015 2:42

Instrument :

BNA_F

ClientSampleId :

MGP222BR-22-24

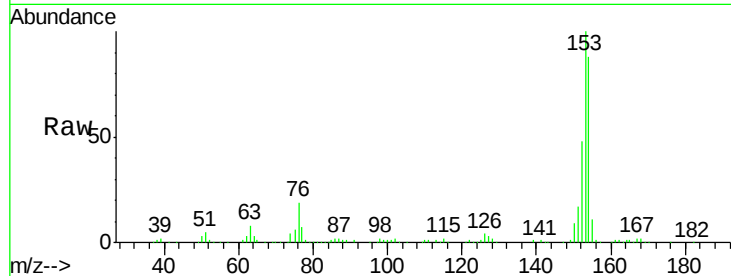
Tot Ion:154 Resp: 137964

Ion Ratio Lower Upper

154 100

153 113.1 91.4 137.2

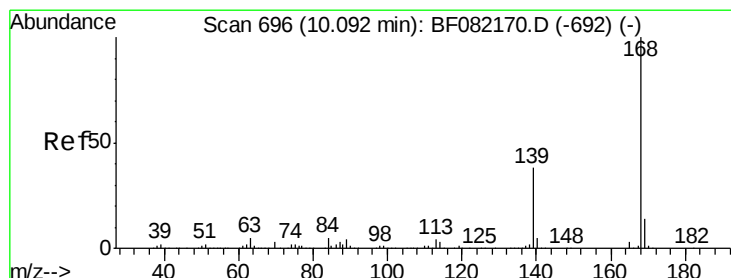
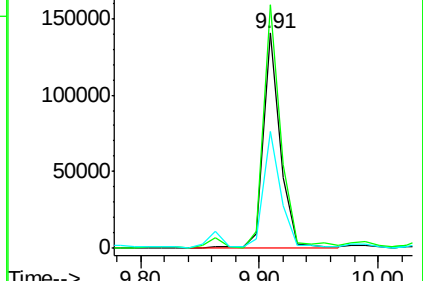
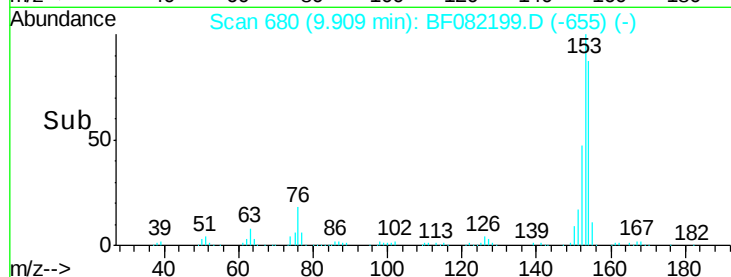
152 54.1 44.3 66.5



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



#54

Dibenzofuran

Concen: 3.63 ng

RT: 10.08 min Scan# 695

Delta R.T. -0.01 min

Lab File: BF082199.D

Acq: 11 Oct 2015 2:42

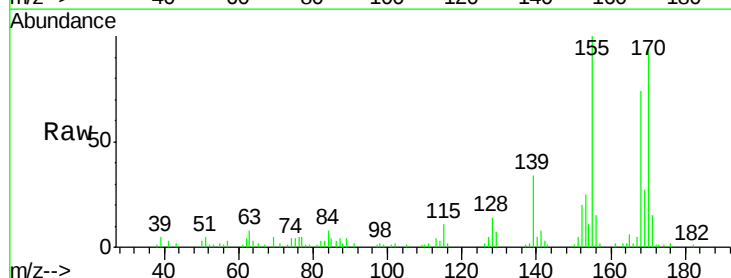
Tgt Ion:168 Resp: 43716

Ion Ratio Lower Upper

168 100

139 46.2 31.0 46.6

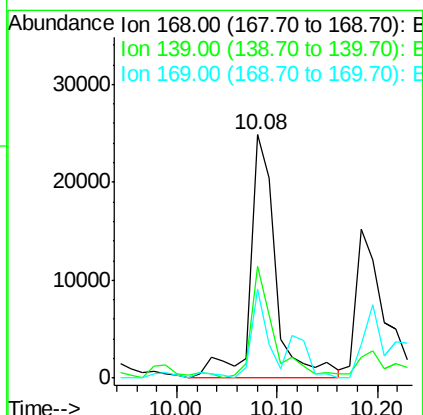
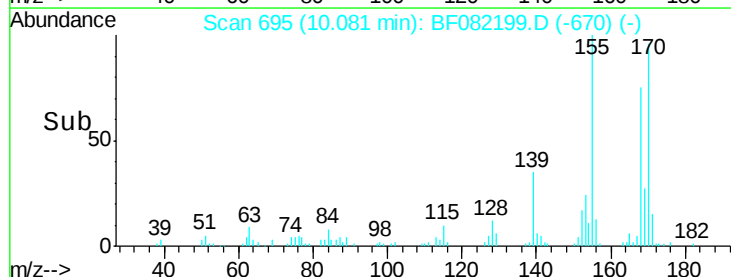
169 36.7 10.9 16.3#

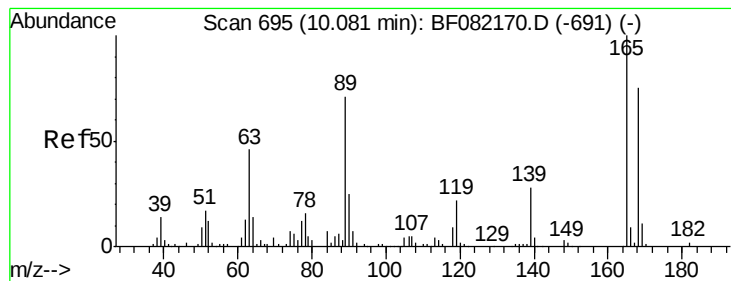


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#56

2,4-Dinitrotoluene

Concen: 2.21 ng

RT: 10.06 min Scan# 693

Delta R.T. -0.02 min

Lab File: BF082199.D

Acq: 11 Oct 2015 2:42

Instrument :

BNA_F

ClientSampleId :

MGP222BR-22-24

Tot Ion:165 Resp: 6434

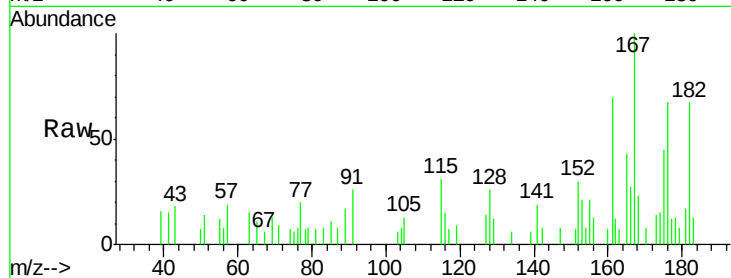
Ion Ratio Lower Upper

165 100

63 34.2 38.6 58.0#

89 40.2 57.0 85.6#

182 154.3 1.8 2.6#

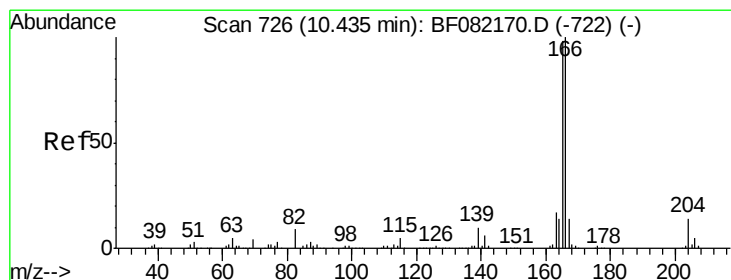
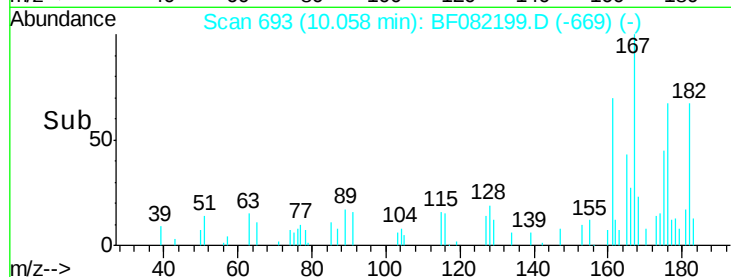
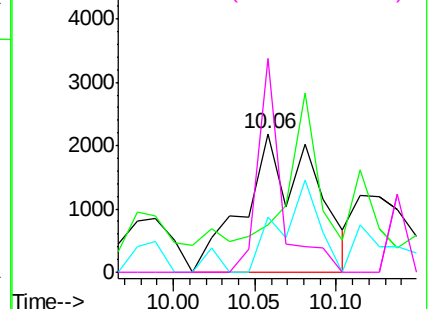


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57

Fluorene

Concen: 23.18 ng

RT: 10.42 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF082199.D

Acq: 11 Oct 2015 2:42

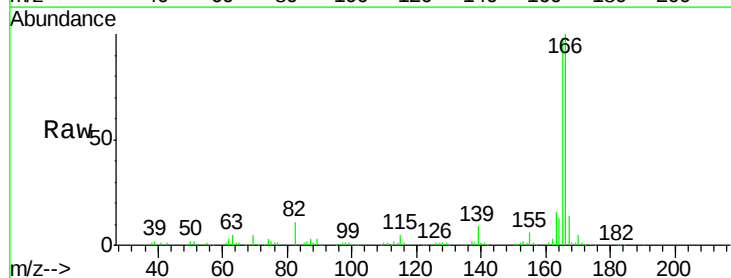
Tgt Ion:166 Resp: 229555

Ion Ratio Lower Upper

166 100

165 97.7 78.3 117.5

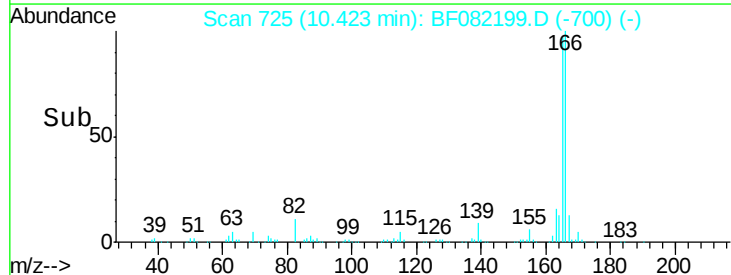
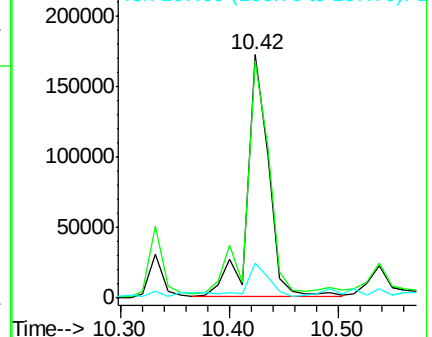
167 14.5 10.8 16.2

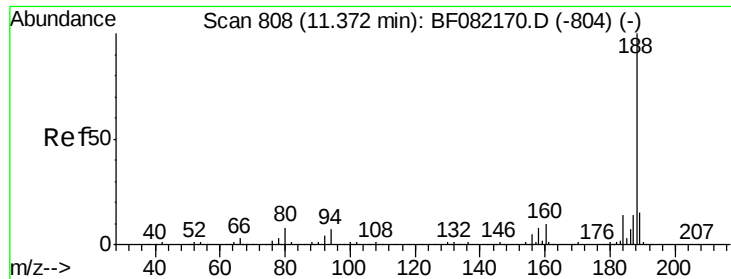


Abundance Ion 166.00 (165.70 to 166.70): E

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: 11.37 min Scan# 808

Delta R.T. 0.00 min

Lab File: BF082199.D

Acq: 11 Oct 2015 2:42

Instrument :

BNA_F

ClientSampleId :

MGP222BR-22-24

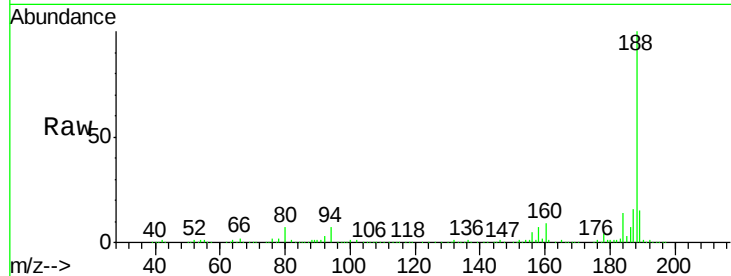
Tot Ion:188 Resp: 305726

Ion Ratio Lower Upper

188 100

94 6.6 5.8 8.6

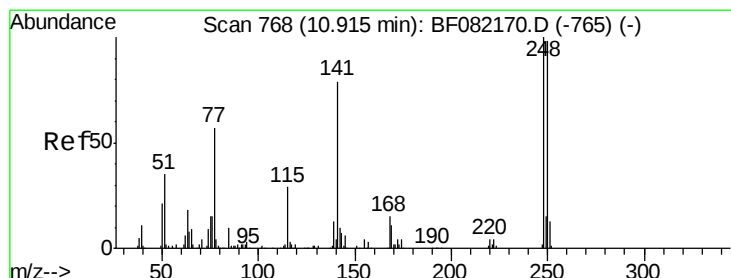
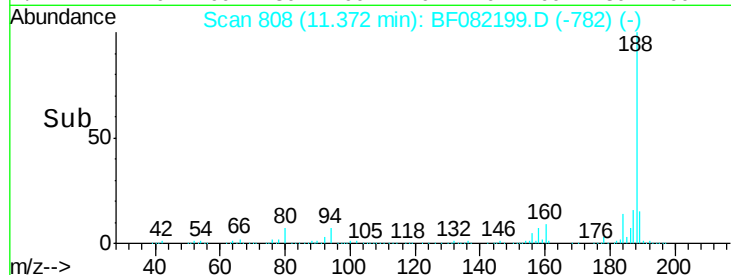
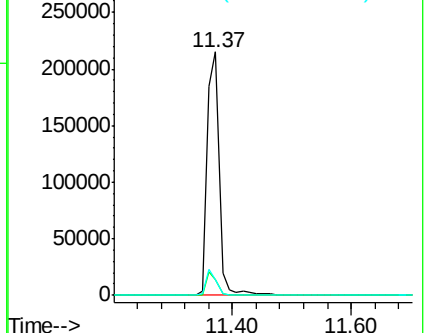
80 6.7 6.4 9.6



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



#66

4-Bromophenyl-phenylether

Concen: 3.07 ng

RT: 10.67 min Scan# 747

Delta R.T. -0.24 min

Lab File: BF082199.D

Acq: 11 Oct 2015 2:42

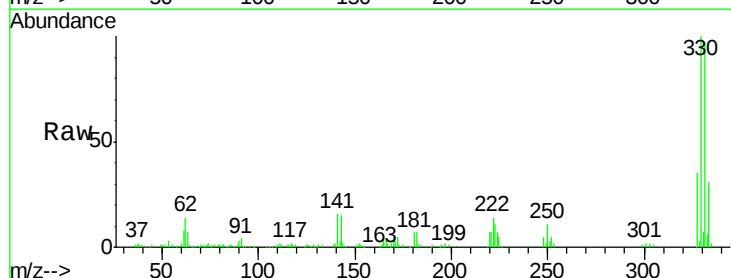
Tgt Ion:248 Resp: 9387

Ion Ratio Lower Upper

248 100

250 200.5 78.6 117.8#

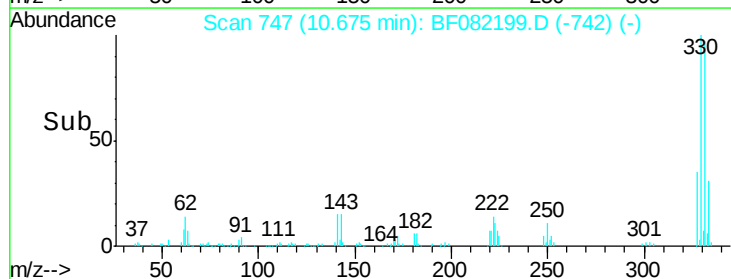
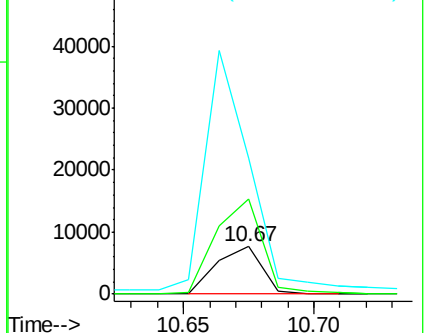
141 289.9 63.3 94.9#

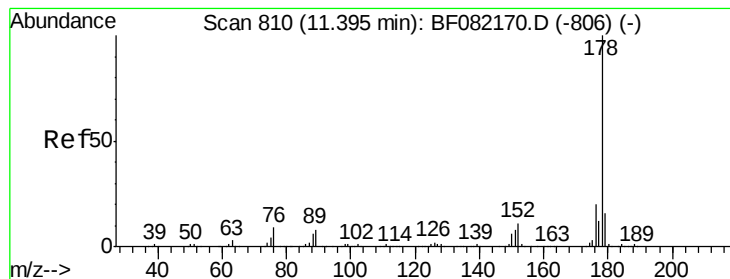


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 57.05 ng

RT: 11.39 min Scan# 810

Delta R.T. 0.00 min

Lab File: BF082199.D

Acq: 11 Oct 2015 2:42

Instrument :

BNA_F

ClientSampleId :

MGP222BR-22-24

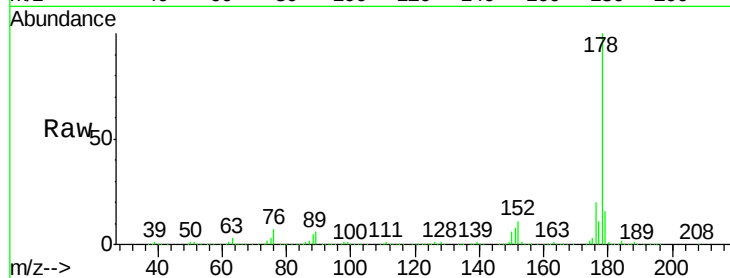
Tot Ion:178 Resp: 855006

Ion Ratio Lower Upper

178 100

176 20.1 16.0 24.0

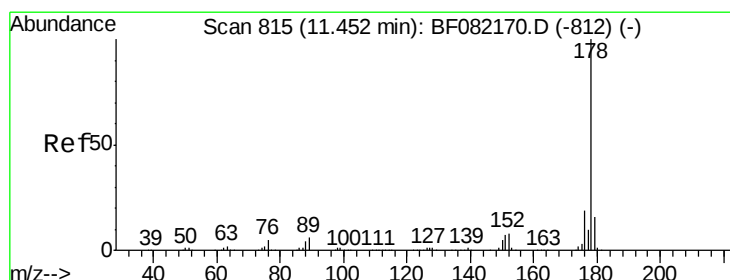
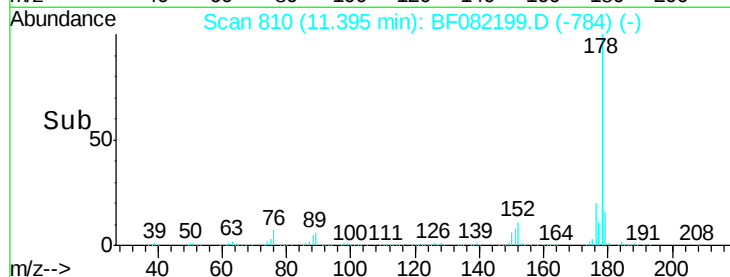
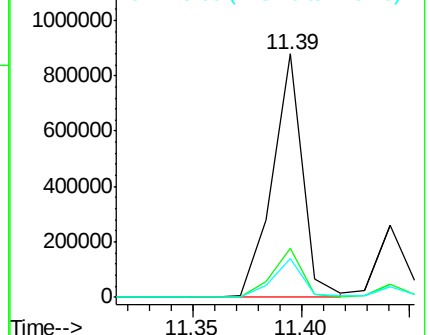
179 15.8 12.6 19.0



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: 17.77 ng

RT: 11.44 min Scan# 814

Delta R.T. -0.01 min

Lab File: BF082199.D

Acq: 11 Oct 2015 2:42

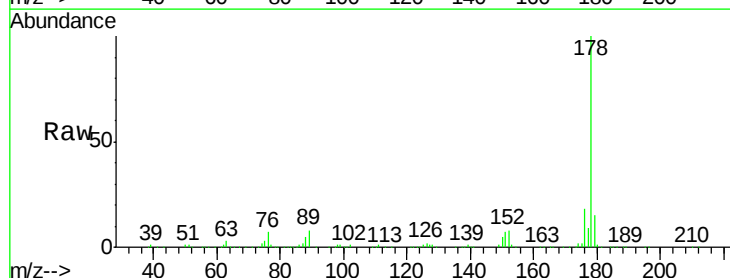
Tgt Ion:178 Resp: 274348

Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.0

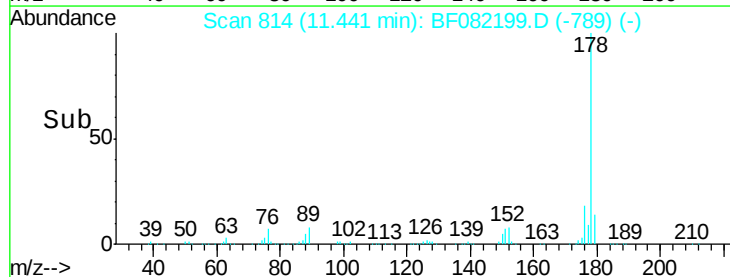
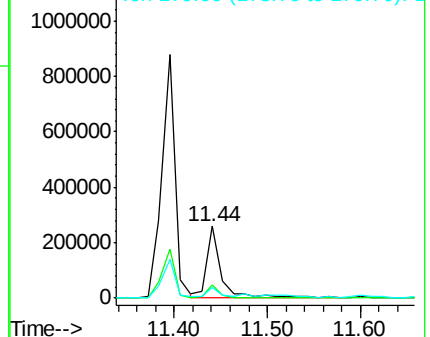
179 15.4 12.5 18.7

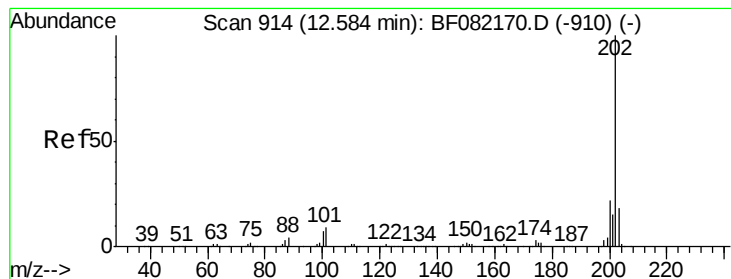


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 18.86 ng

RT: 12.58 min Scan# 914

Delta R.T. 0.00 min

Lab File: BF082199.D

Acq: 11 Oct 2015 2:42

Instrument :

BNA_F

ClientSampleId :

MGP222BR-22-24

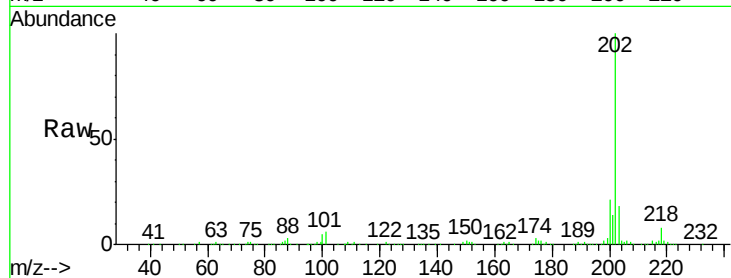
Tot Ion:202 Resp: 303576

Ion Ratio Lower Upper

202 100

101 6.4 0.0 29.3

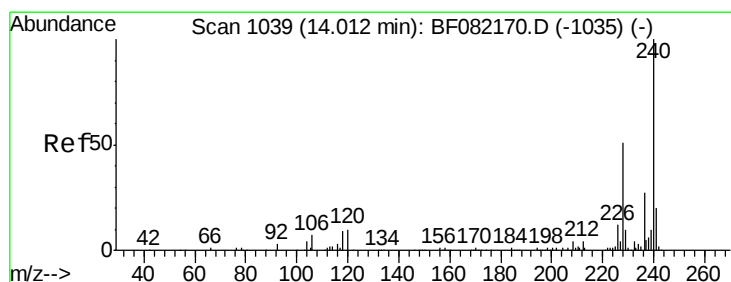
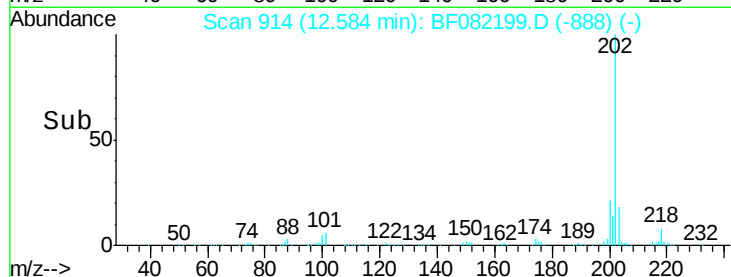
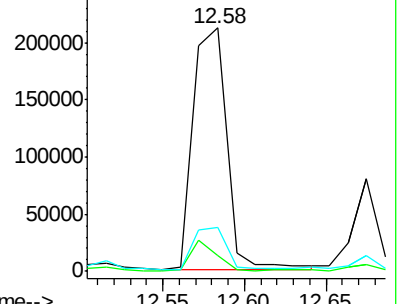
203 18.1 0.0 37.8



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: 14.00 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF082199.D

Acq: 11 Oct 2015 2:42

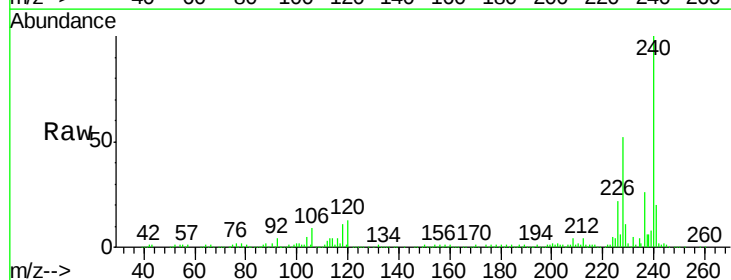
Tgt Ion:240 Resp: 258403

Ion Ratio Lower Upper

240 100

120 13.1 8.1 12.1#

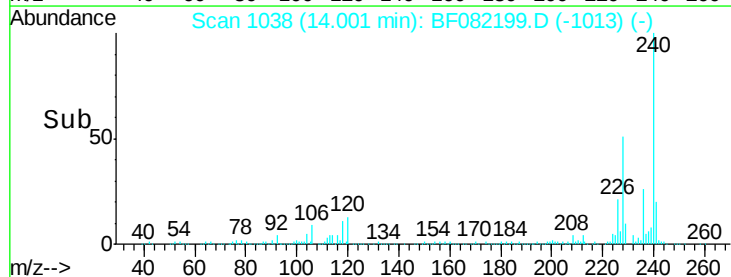
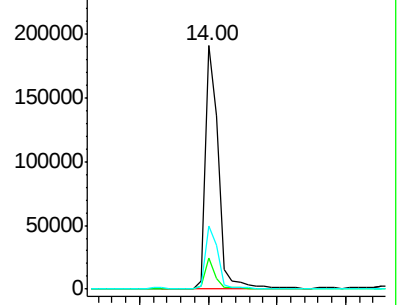
236 26.1 21.3 31.9

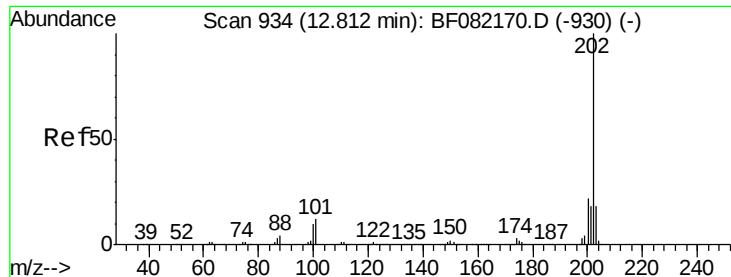


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 30.98 ng

RT: 12.81 min Scan# 934

Delta R.T. 0.00 min

Lab File: BF082199.D

Acq: 11 Oct 2015 2:42

Instrument :

BNA_F

ClientSampleId :

MGP222BR-22-24

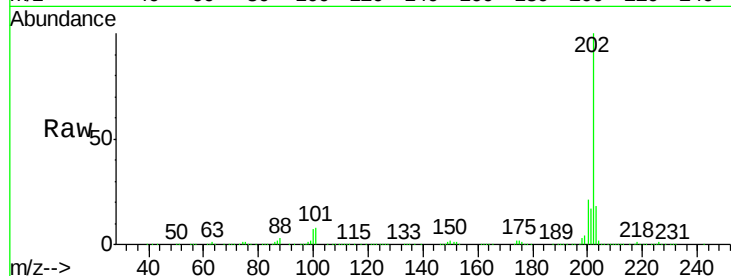
Tot Ion:202 Resp: 475102

Ion Ratio Lower Upper

202 100

200 21.2 17.9 26.9

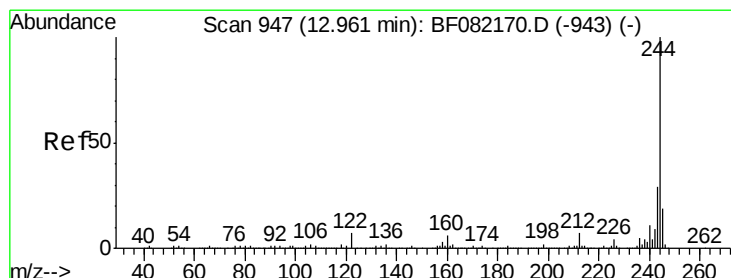
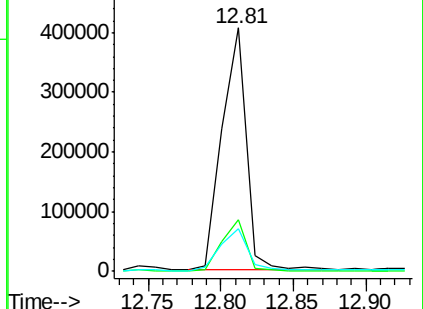
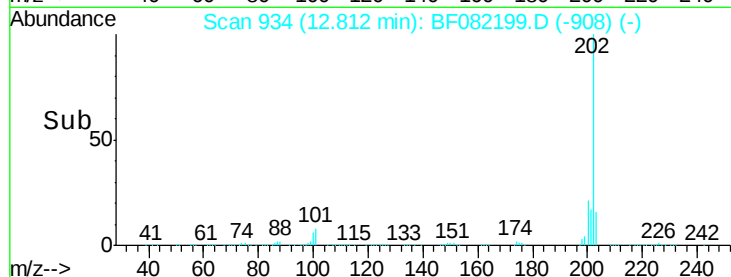
203 17.7 14.5 21.7



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: 55.69 ng

RT: 12.95 min Scan# 946

Delta R.T. -0.01 min

Lab File: BF082199.D

Acq: 11 Oct 2015 2:42

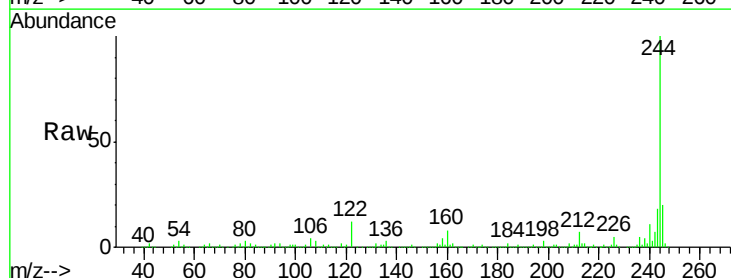
Tgt Ion:244 Resp: 543004

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.6

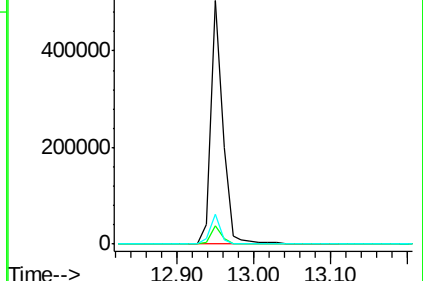
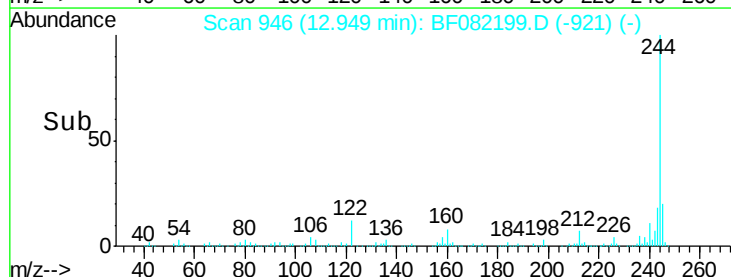
122 12.4 5.9 8.9#

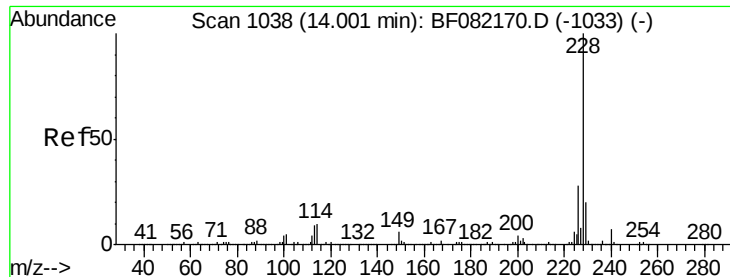


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 11.91 ng

RT: 13.99 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF082199.D

Acq: 11 Oct 2015 2:42

Instrument :

BNA_F

ClientSampleId :

MGP222BR-22-24

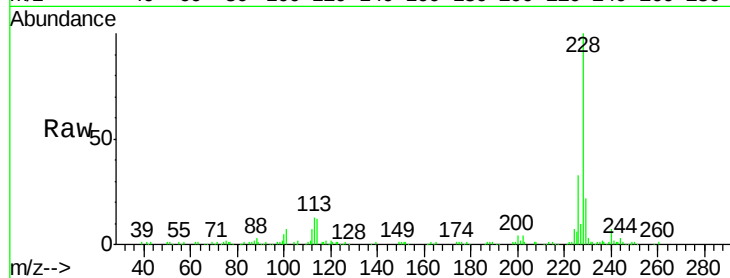
Tot Ion:228 Resp: 160159

Ion Ratio Lower Upper

228 100

226 32.9 22.3 33.5

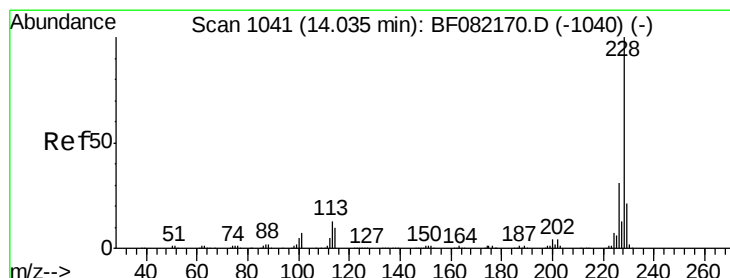
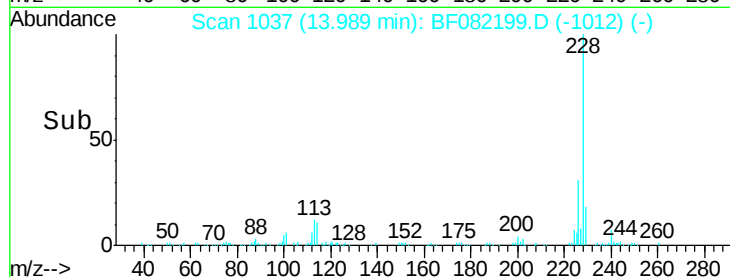
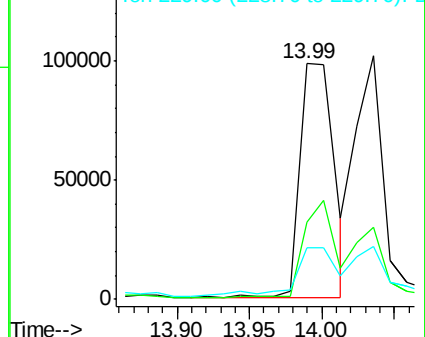
229 22.1 16.2 24.2



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



#82

Chrysene

Concen: 11.31 ng

RT: 13.99 min Scan# 1037

Delta R.T. -0.05 min

Lab File: BF082199.D

Acq: 11 Oct 2015 2:42

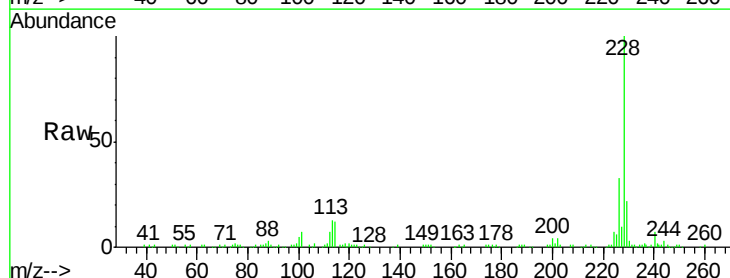
Tgt Ion:228 Resp: 160159

Ion Ratio Lower Upper

228 100

226 32.9 24.4 36.6

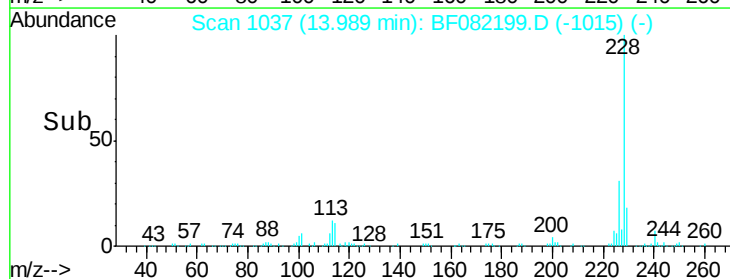
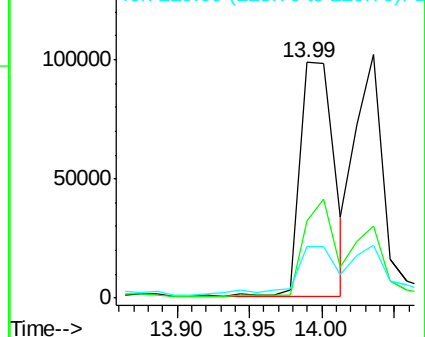
229 22.1 16.3 24.5

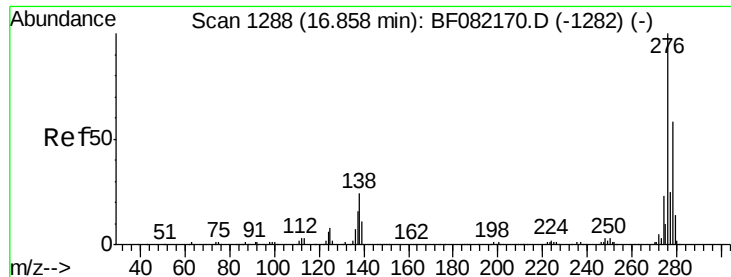


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

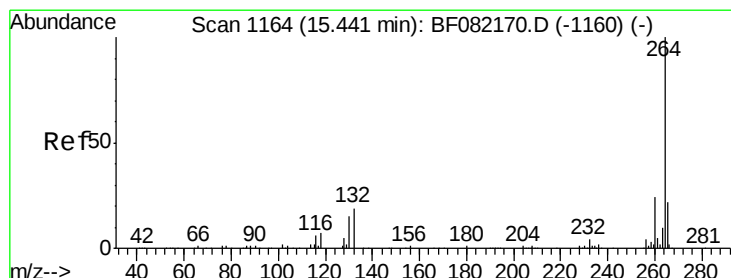
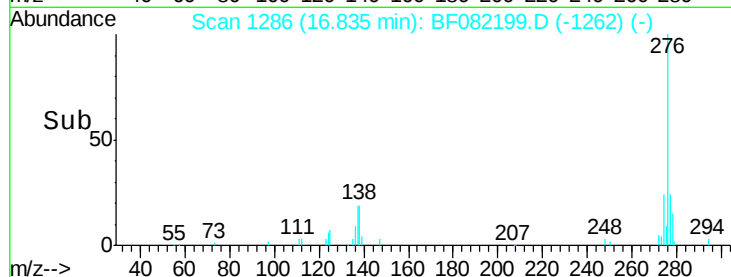
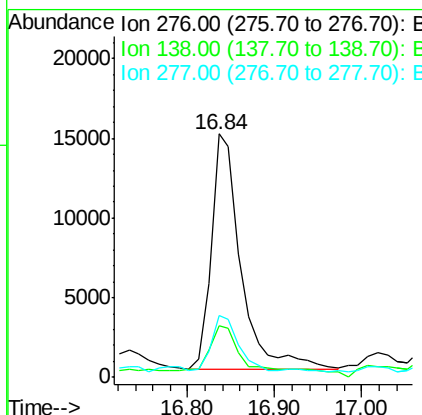
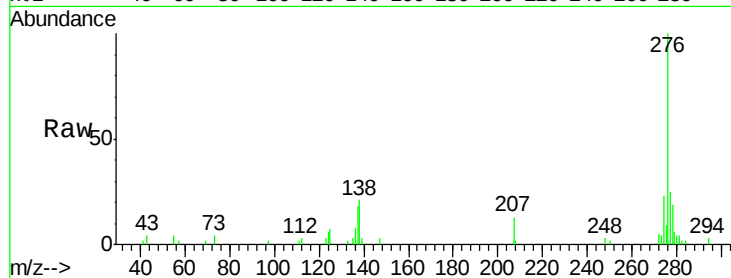




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.11 ng
 RT: 16.84 min Scan# 1286
 Delta R.T. -0.02 min
 Lab File: BF082199.D
 Acq: 11 Oct 2015 2:42

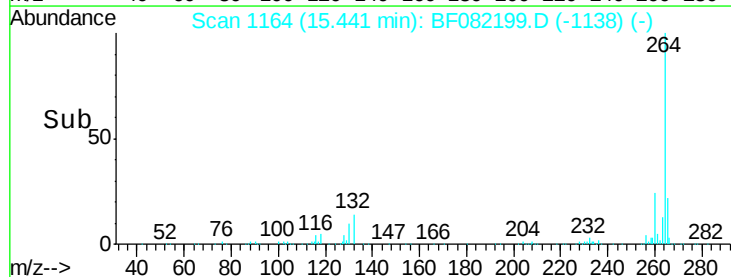
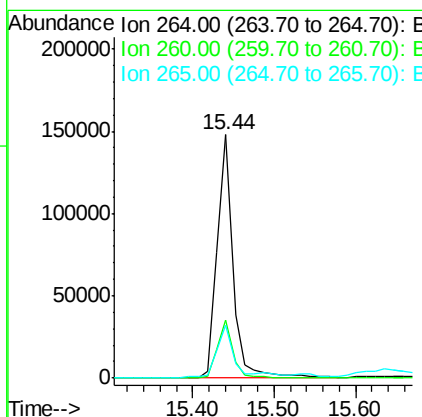
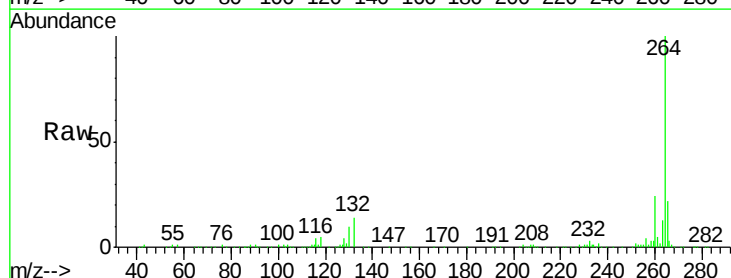
Instrument :
 BNA_F
 ClientSampleId :
 MGP222BR-22-24

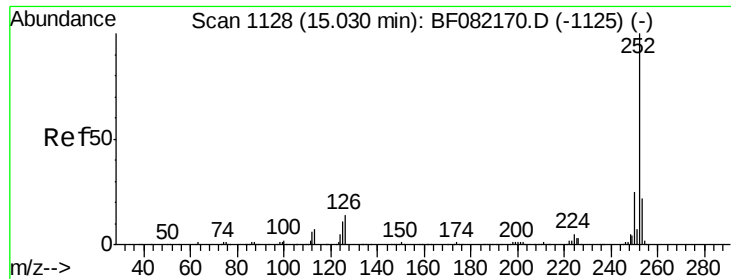
Tot Ion	Ratio	Lower	Upper
276	100		
138	30.7	19.7	29.5#
277	20.9	20.1	30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1164
 Delta R.T. 0.00 min
 Lab File: BF082199.D
 Acq: 11 Oct 2015 2:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.6
265	22.0	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 9.27 ng

RT: 15.03 min Scan# 1128

Delta R.T. 0.00 min

Lab File: BF082199.D

Acq: 11 Oct 2015 2:42

Instrument :

BNA_F

ClientSampleId :

MGP222BR-22-24

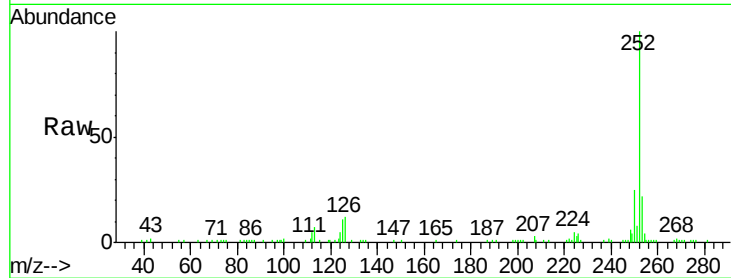
Tot Ion:252 Resp: 113686

Ion Ratio Lower Upper

252 100

253 21.7 18.0 27.0

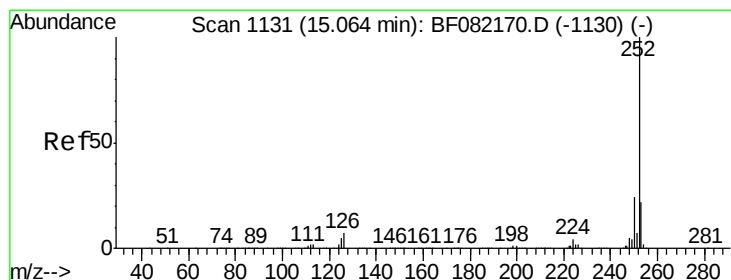
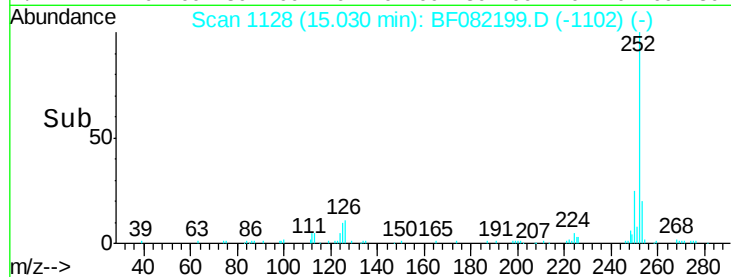
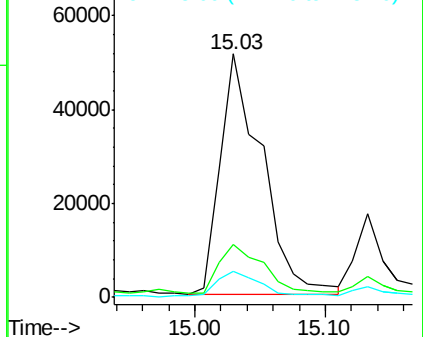
125 10.7 8.6 12.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 11.03 ng

RT: 15.03 min Scan# 1128

Delta R.T. -0.03 min

Lab File: BF082199.D

Acq: 11 Oct 2015 2:42

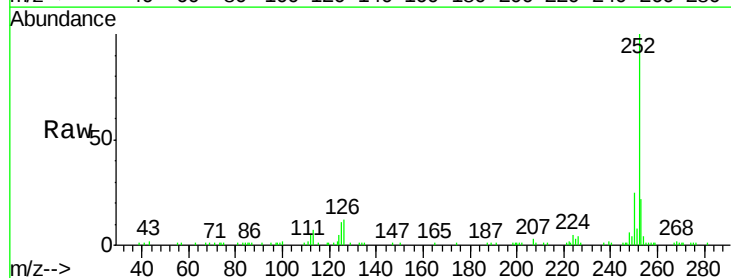
Tgt Ion:252 Resp: 113686

Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.6

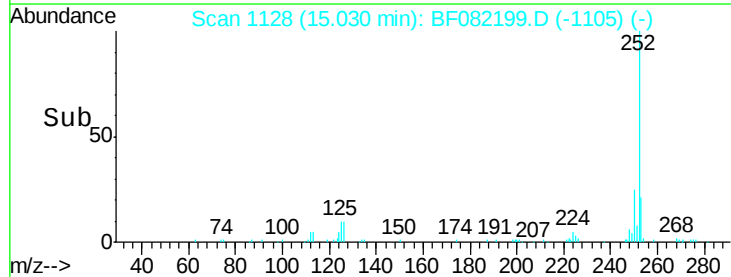
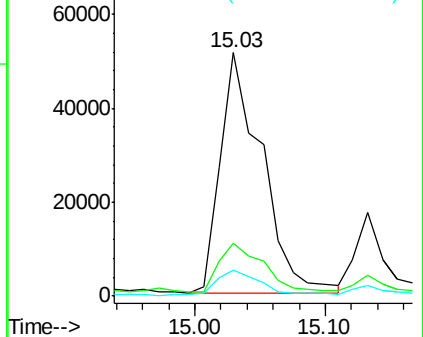
125 10.7 6.7 10.1#

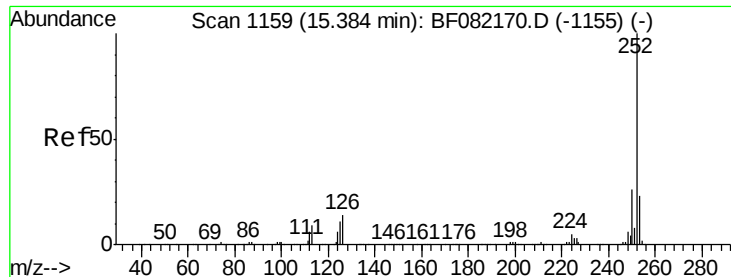


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 9.10 ng

RT: 15.38 min Scan# 1159

Delta R.T. 0.00 min

Lab File: BF082199.D

Acq: 11 Oct 2015 2:42

Instrument :

BNA_F

ClientSampleId :

MGP222BR-22-24

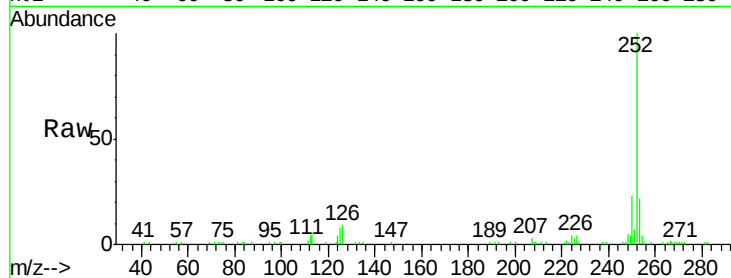
Tot Ion:252 Resp: 95862

Ion Ratio Lower Upper

252 100

253 21.7 18.2 27.2

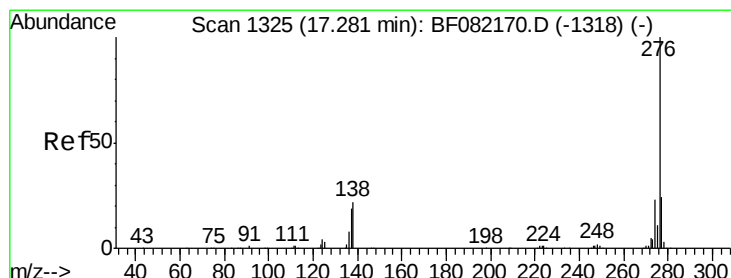
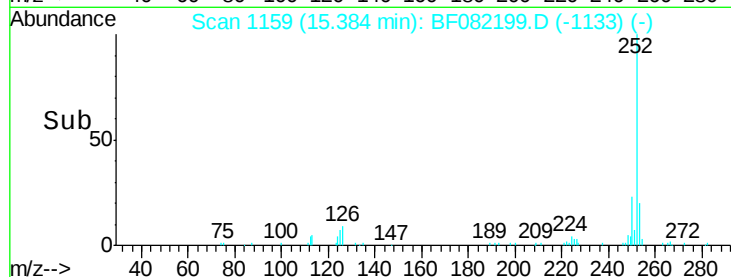
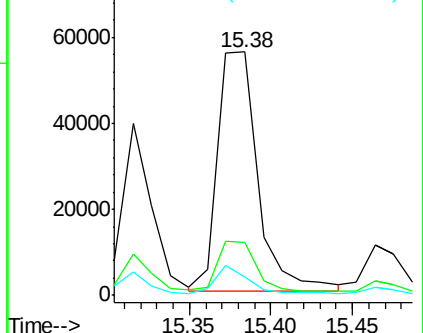
125 7.7 8.9 13.3#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 4.47 ng

RT: 17.26 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF082199.D

Acq: 11 Oct 2015 2:42

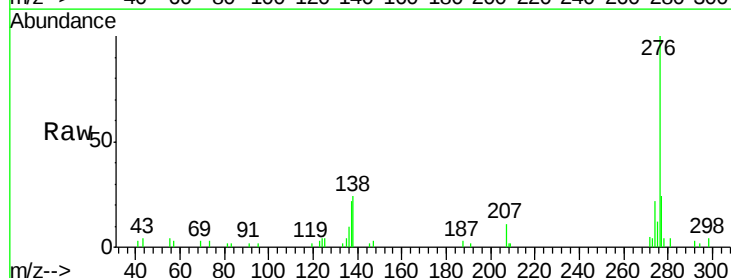
Tgt Ion:276 Resp: 37508

Ion Ratio Lower Upper

276 100

277 24.3 18.8 28.2

138 24.1 17.4 26.2



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

