

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092215\
 Data File : BF081764.D
 Acq On : 23 Sep 2015 10:05
 Operator : UM/IZ
 Sample : G3748-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MGP205-10-12

Quant Time: Sep 23 11:18:30 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 22 17:42:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	45039	20.00	ng	0.00
21) Naphthalene-d8	11.11	136	173561	20.00	ng	0.07
38) Acenaphthene-d10	15.18	164	72988	20.00	ng	0.01
63) Phenanthrene-d10	18.70	188	126321	20.00	ng	0.02
75) Chrysene-d12	23.37	240	93591	20.00	ng	0.05
86) Perylene-d12	24.80	264	78374	20.00	ng	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	291725	100.49	ng	0.02
7) Phenol-d6	7.58	99	407643	106.09	ng	0.00
23) Nitrobenzene-d5	9.44	82	274531	76.31	ng	-0.01
41) 2,4,6-Tribromophenol	17.10	330	63638	97.92	ng	0.02
44) 2-Fluorobiphenyl	13.69	172	449425	78.91	ng	0.00
78) Terphenyl-d14	22.08	244	292095	72.65	ng	0.03

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.52	88	54699	41.96	ng	# 11
9) Benzaldehyde	7.17	77	11609	4.82	ng	# 1
18) Hexachloroethane	9.22	117	8449	6.24	ng	# 5
19) n-Nitroso-di-n-propylamine	9.44	70	36468	13.94	ng	# 71
31) Naphthalene	11.20	128	12065965	1303.55	ng	# 95
32) Benzoic acid	11.20	122	31756	17.52	ng	# 1
33) 4-Chloroaniline	11.20	127	1202545	318.52	ng	# 35
35) Caprolactam	12.30	113	3163	4.23	ng	# 24
37) 2-Methylnaphthalene	12.83	142	3827078	635.35	ng	# 90
45) 1,1'-Biphenyl	13.91	154	744684	110.90	ng	# 96
47) 2-Nitroaniline	14.30	65	25959	13.13	ng	# 7
48) Acenaphthylene	14.86	152	728865	84.72	ng	# 97
49) Dimethylphthalate	14.76	163	36658	6.46	ng	# 98
51) Acenaphthene	15.29	154	1146438	234.25	ng	# 89
54) Dibenzofuran	15.68	168	273661	38.29	ng	# 83
55) 4-Nitrophenol	15.76	139	11259	12.23	ng	# 87
56) 2,4-Dinitrotoluene	15.85	165	8538	5.21	ng	# 45
57) Fluorene	16.54	166	1707456	314.85	ng	# 93
61) 4-Nitroaniline	16.75	138	3454	2.33	ng	# 68
65) n-Nitrosodiphenylamine	16.94	169	23146	5.04	ng	# 52
70) Phenanthrene	18.86	178	6519122	928.29	ng	# 95
71) Anthracene	18.86	178	6519122	903.55	ng	# 95
72) Carbazole	19.36	167	89578	13.23	ng	# 90
74) Fluoranthene	21.45	202	2246123	295.45	ng	# 93
77) Pyrene	21.58	202	365348	52.70	ng	# 98
80) Benzo(a)anthracene	23.36	228	1093203	183.42	ng	# 94
82) Chrysene	23.36	228	1093203	204.61	ng	# 96
85) Indeno(1,2,3-cd)pyrene	25.84	276	288537	73.61	ng	# 82
87) Benzo(b)fluoranthene	24.47	252	982979	175.68	ng	# 88
88) Benzo(k)fluoranthene	24.47	252	982979	211.72	ng	# 89
89) Benzo(a)pyrene	24.76	252	886713	187.01	ng	# 88
90) Dibenzo(a,h)anthracene	25.84	278	95240	26.00	ng	# 74
91) Benzo(g,h,i)perylene	26.14	276	275514	78.79	ng	# 75

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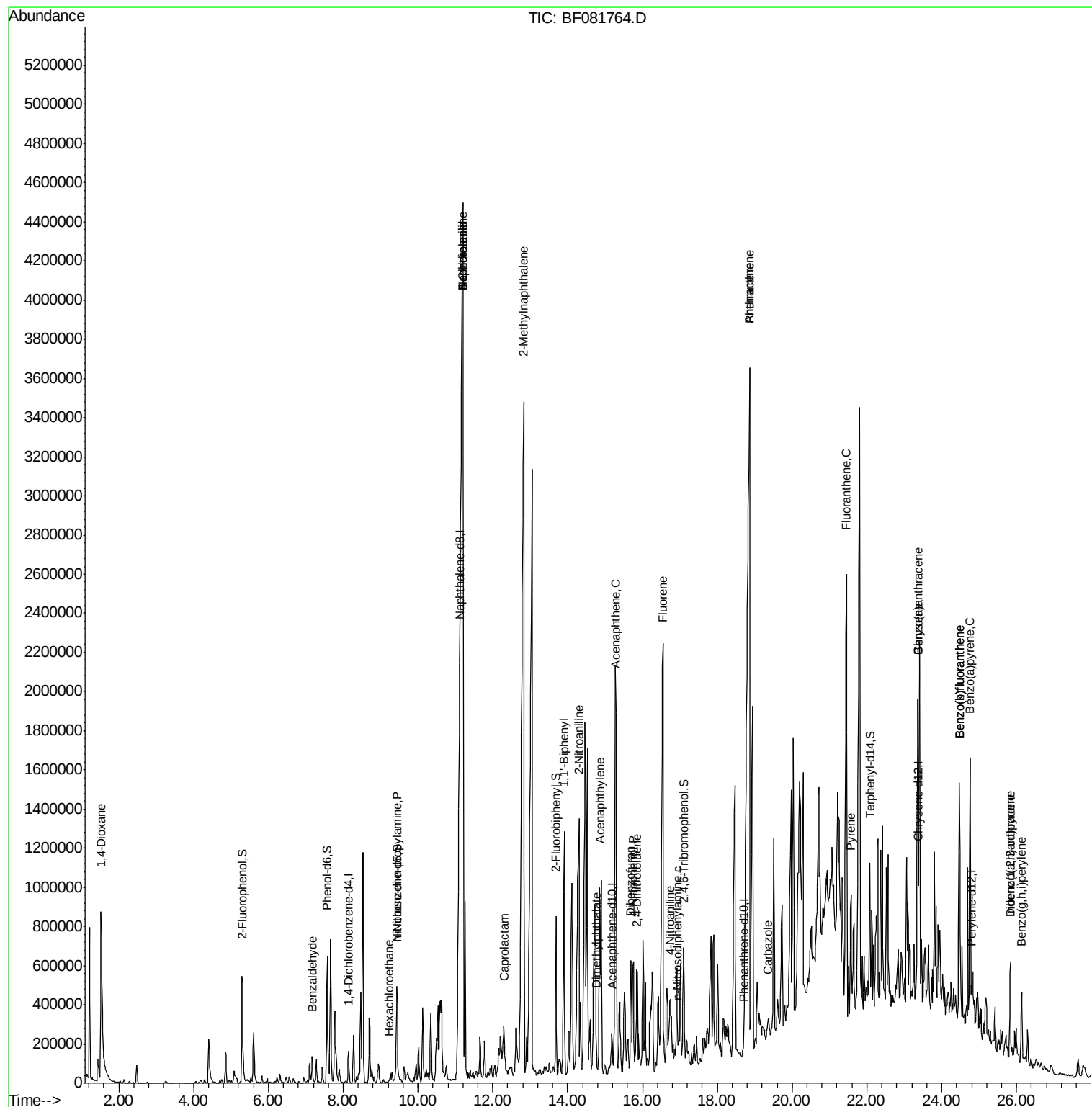
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.14 min Scan# 617

Delta R.T. -0.00 min

Lab File: BF081764.D

Acq: 23 Sep 2015 10:05

Instrument :

BNA_F

ClientSampleId :

MGP205-10-12

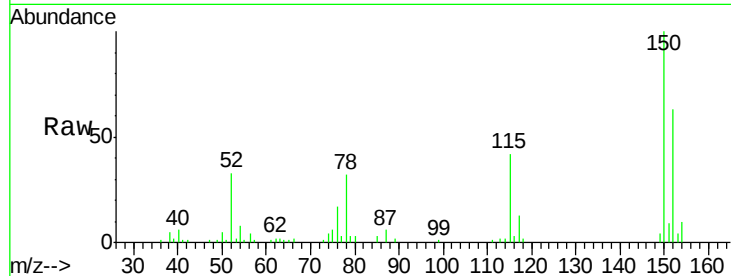
Tgt Ion:152 Resp: 45039

Ion Ratio Lower Upper

152 100

150 158.9 124.7 187.1

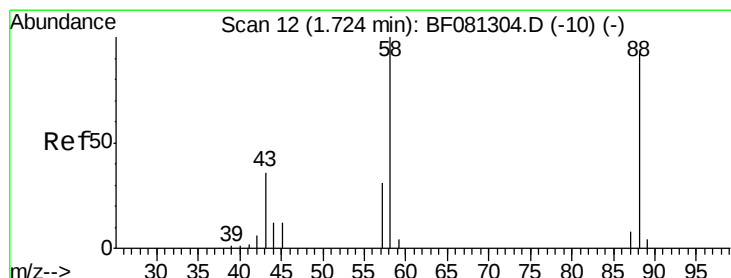
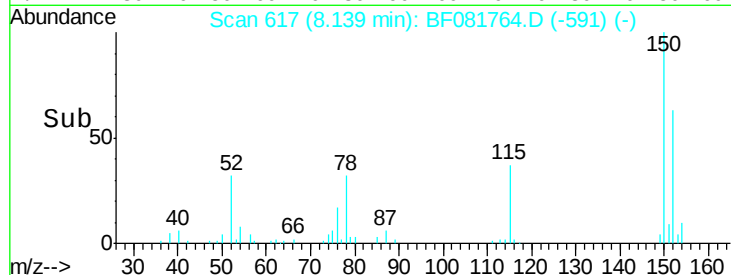
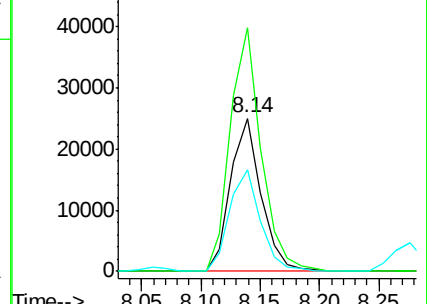
115 66.2 39.0 58.4#



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



#2

1,4-Dioxane

Concen: 41.96 ng

RT: 1.52 min Scan# 38

Delta R.T. 0.01 min

Lab File: BF081764.D

Acq: 23 Sep 2015 10:05

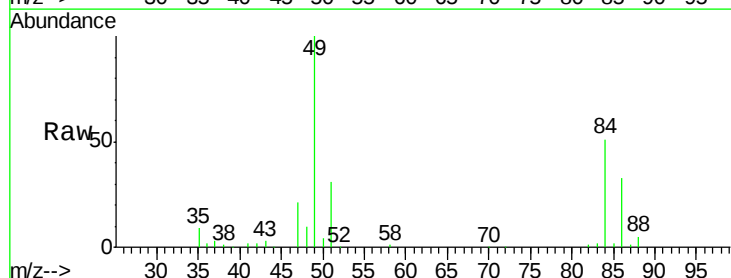
Tgt Ion: 88 Resp: 54699

Ion Ratio Lower Upper

88 100

58 0.0 77.7 116.5#

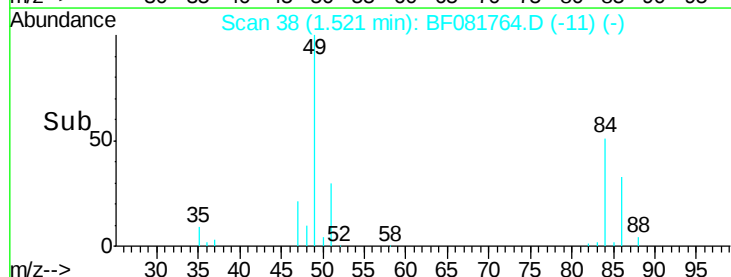
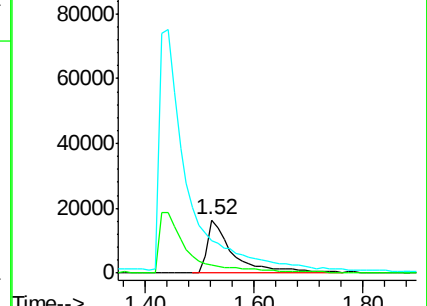
43 0.0 26.6 40.0#

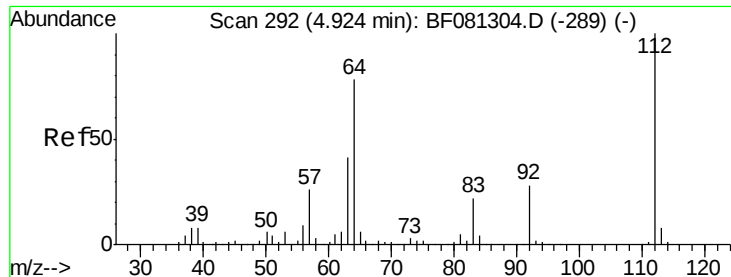


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 100.49 ng

RT: 5.30 min Scan# 369

Delta R.T. 0.02 min

Lab File: BF081764.D

Acq: 23 Sep 2015 10:05

Instrument :

BNA_F

ClientSampleId :

MGP205-10-12

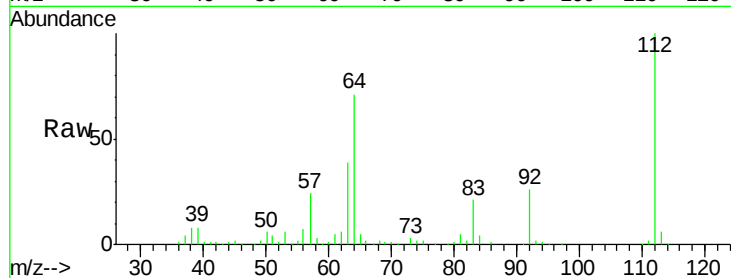
Tgt Ion: 112 Resp: 291725

Ion Ratio Lower Upper

112 100

64 71.1 39.7 59.5#

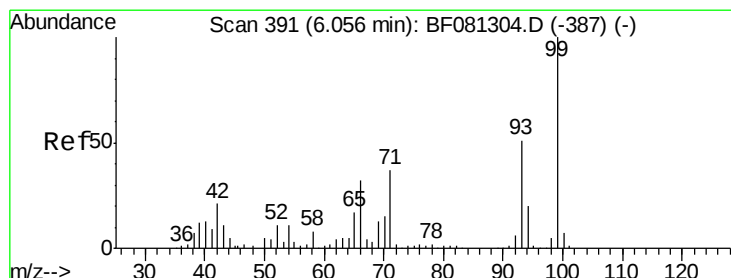
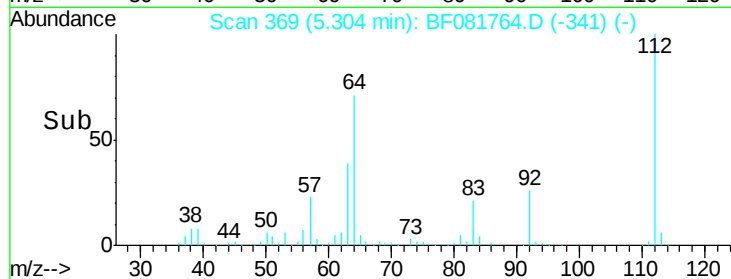
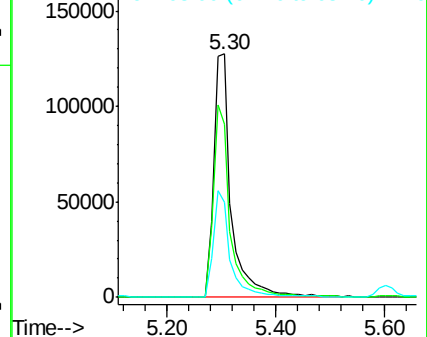
63 39.1 17.4 26.0#



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: 106.09 ng

RT: 7.58 min Scan# 568

Delta R.T. -0.00 min

Lab File: BF081764.D

Acq: 23 Sep 2015 10:05

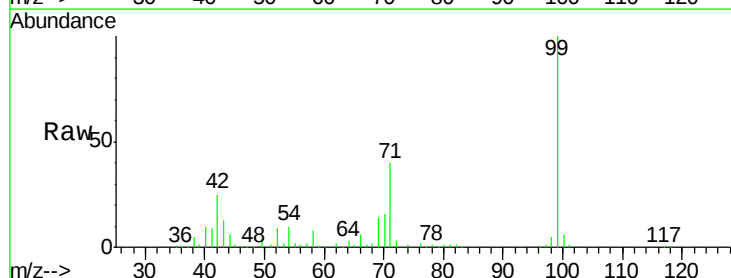
Tgt Ion: 99 Resp: 407643

Ion Ratio Lower Upper

99 100

42 25.3 13.7 20.5#

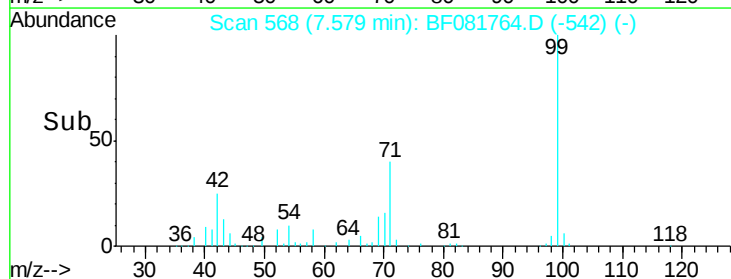
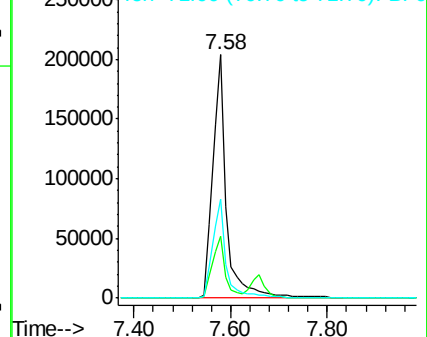
71 40.5 14.2 21.2#

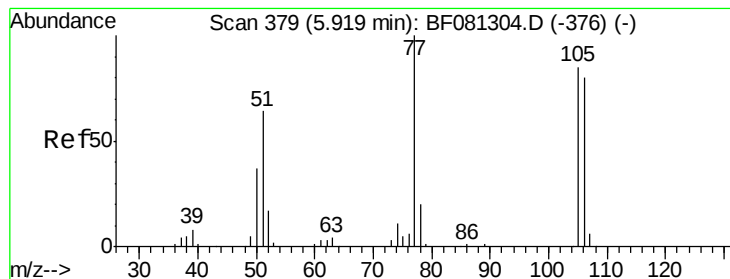


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 4.82 ng

RT: 7.17 min Scan# 532

Delta R.T. 0.00 min

Lab File: BF081764.D

Acq: 23 Sep 2015 10:05

Instrument :

BNA_F

ClientSampleId :

MGP205-10-12

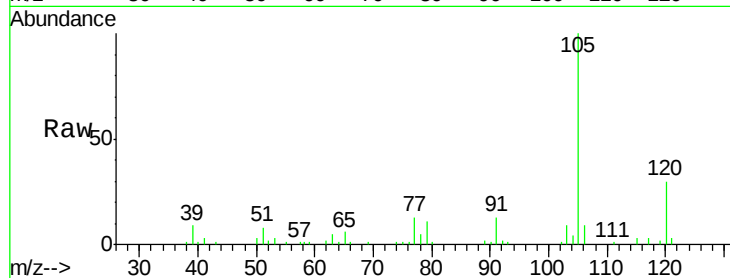
Tgt Ion: 77 Resp: 11609

Ion Ratio Lower Upper

77 100

105 760.8 91.6 131.6#

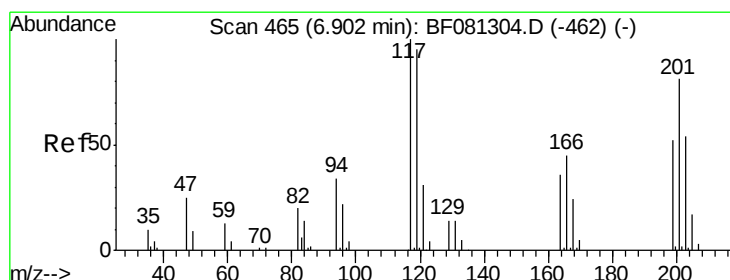
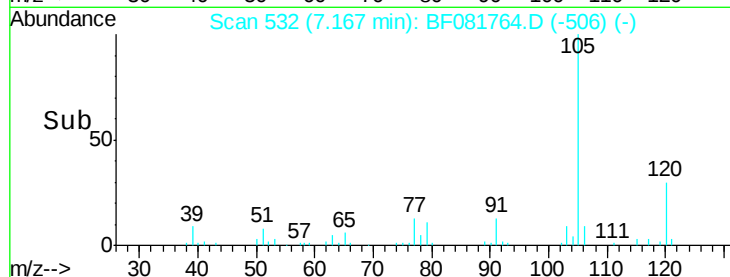
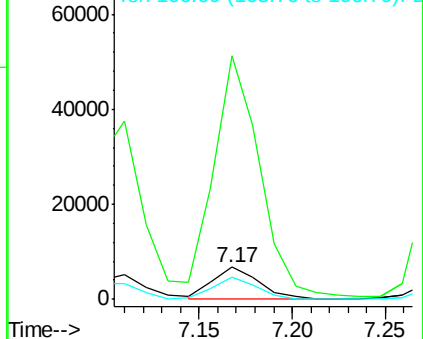
106 67.5 102.6 142.6#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



#18

Hexachloroethane

Concen: 6.24 ng

RT: 9.22 min Scan# 712

Delta R.T. 0.00 min

Lab File: BF081764.D

Acq: 23 Sep 2015 10:05

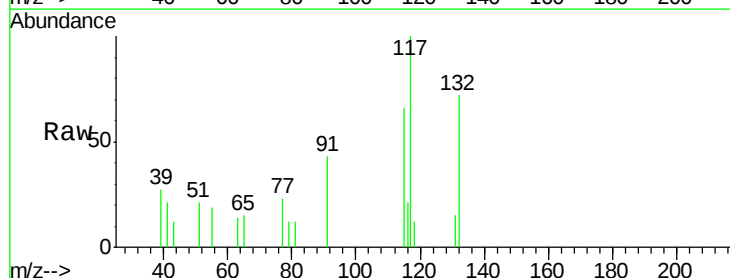
Tgt Ion: 117 Resp: 8449

Ion Ratio Lower Upper

117 100

119 0.0 83.8 125.6#

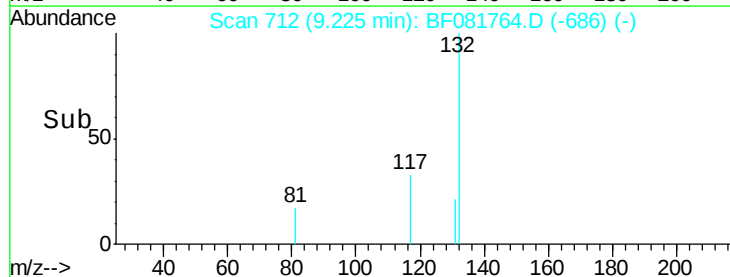
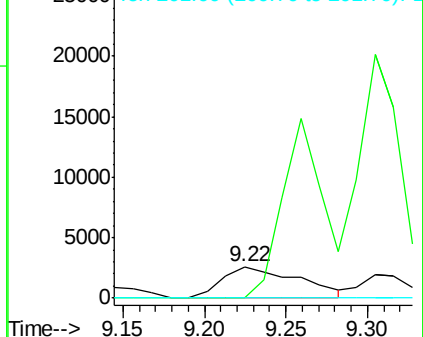
201 0.0 55.1 82.7#

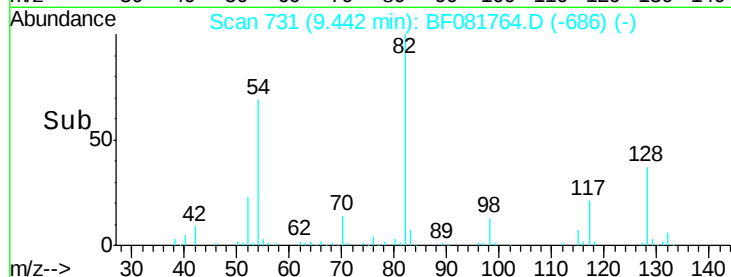
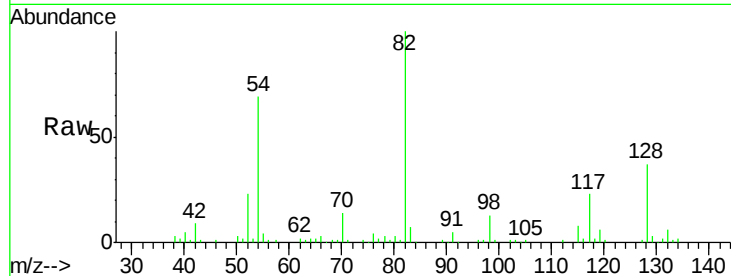
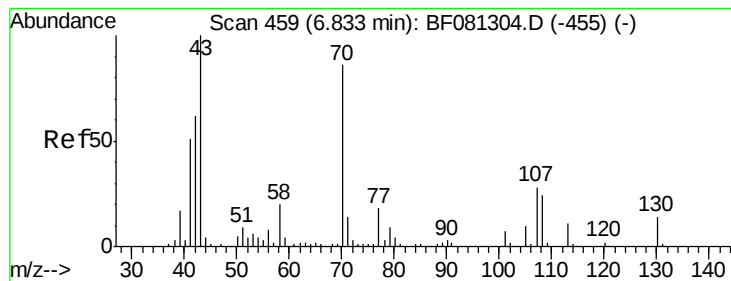


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 13.94 ng

RT: 9.44 min Scan# 731

Delta R.T. 0.22 min

Lab File: BF081764.D

Acq: 23 Sep 2015 10:05

Instrument :

BNA_F

ClientSampleId :

MGP205-10-12

Tgt Ion: 70 Resp: 36468

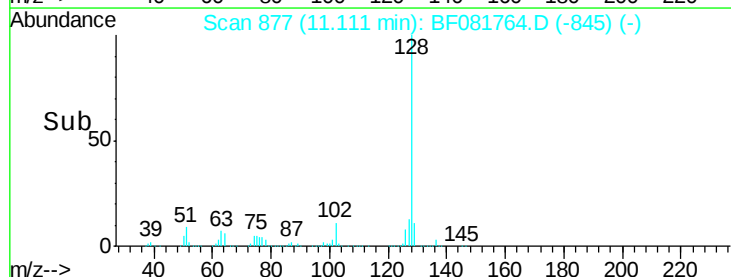
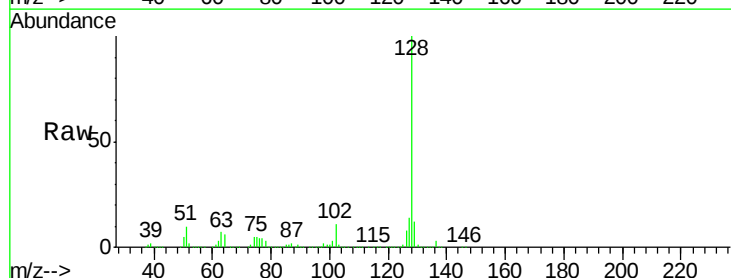
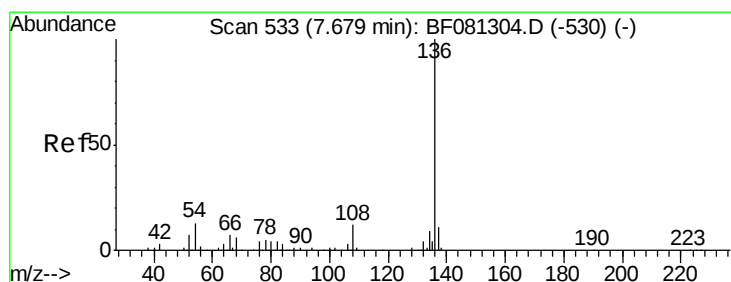
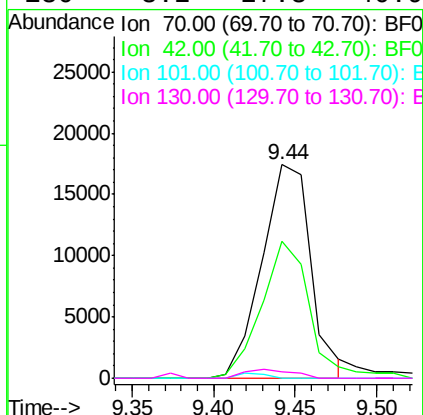
Ion Ratio Lower Upper

70 100

42 64.0 63.8 95.6

101 0.0 9.2 13.8#

130 3.2 27.3 40.9#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.11 min Scan# 877

Delta R.T. 0.07 min

Lab File: BF081764.D

Acq: 23 Sep 2015 10:05

Tgt Ion: 136 Resp: 173561

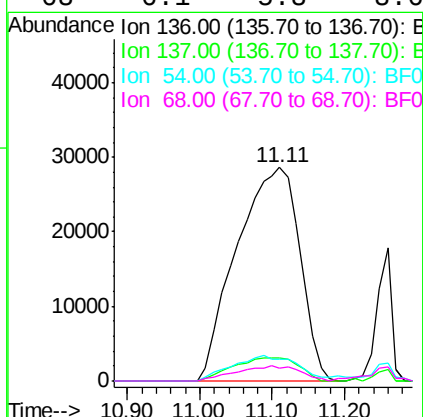
Ion Ratio Lower Upper

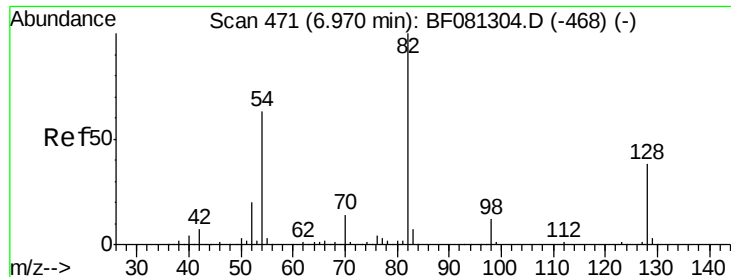
136 100

137 10.9 9.0 13.6

54 10.3 8.2 12.2

68 6.1 5.8 8.6

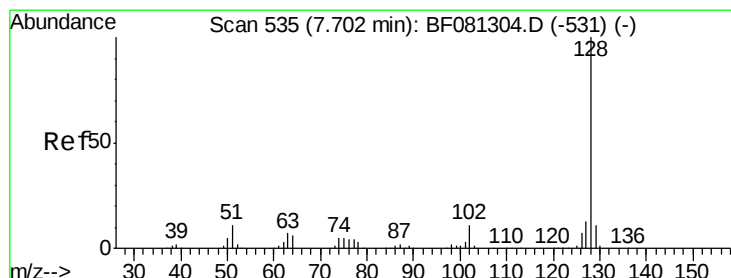
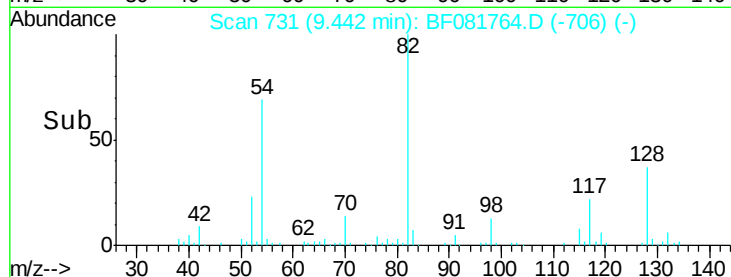
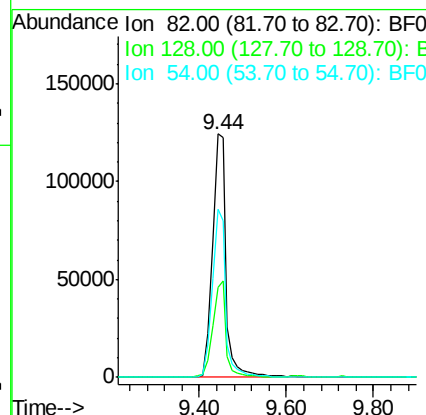
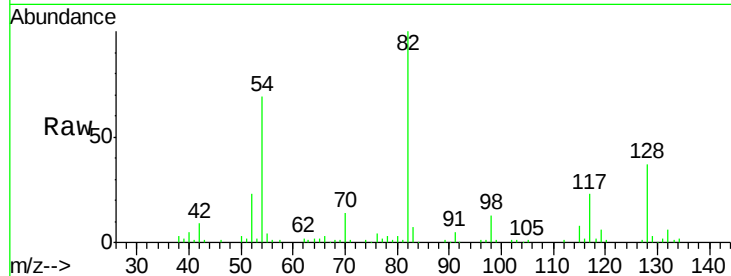




#23
 Nitrobenzene-d5
 Concen: 76.31 ng
 RT: 9.44 min Scan# 731
 Delta R.T. -0.01 min
 Lab File: BF081764.D
 Acq: 23 Sep 2015 10:05

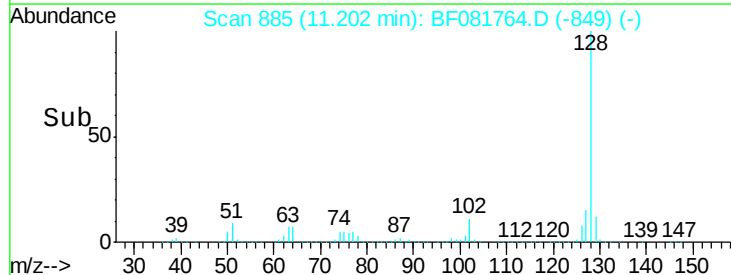
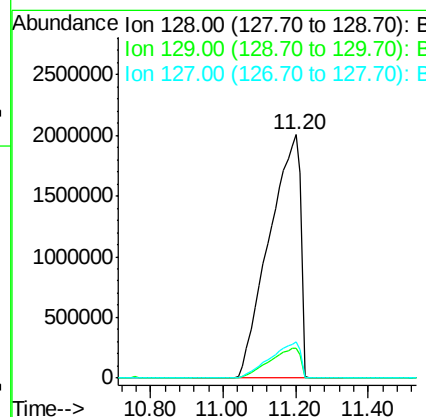
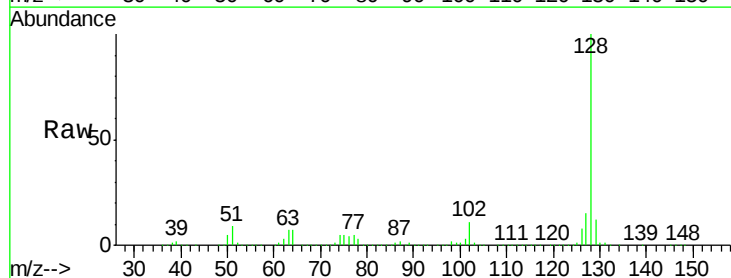
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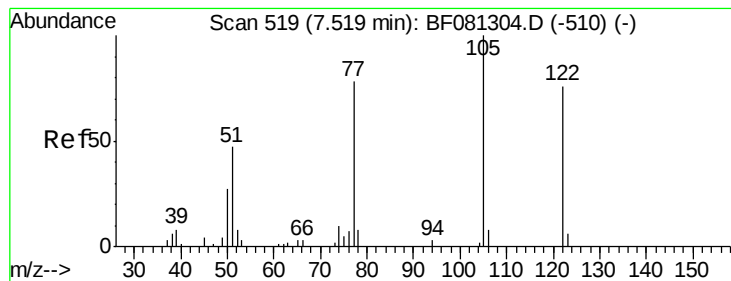
Tgt Ion: 82 Resp: 274531
 Ion Ratio Lower Upper
 82 100
 128 37.0 51.0 76.6#
 54 69.1 47.5 71.3



#31
 Naphthalene
 Concen: 1303.55 ng
 RT: 11.20 min Scan# 885
 Delta R.T. 0.11 min
 Lab File: BF081764.D
 Acq: 23 Sep 2015 10:05

Tgt Ion: 128 Resp: 12065965
 Ion Ratio Lower Upper
 128 100
 129 12.2 8.4 12.6
 127 14.7 9.9 14.9





#32

Benzoic acid

Concen: 17.52 ng

RT: 11.20 min Scan# 885

Delta R.T. 0.13 min

Lab File: BF081764.D

Acq: 23 Sep 2015 10:05

Instrument :

BNA_F

ClientSampleId :

MGP205-10-12

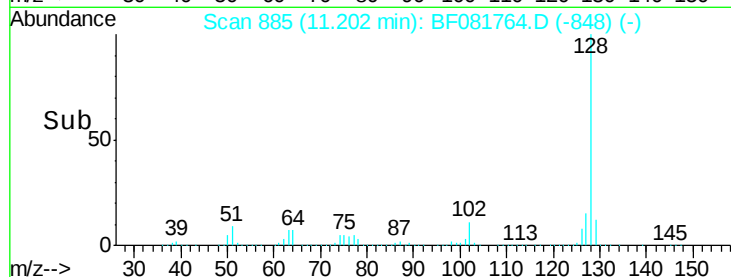
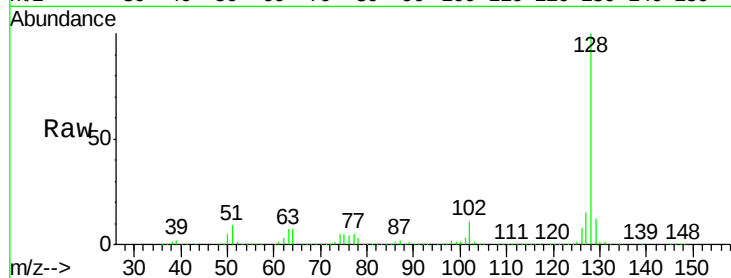
Tgt Ion:122 Resp: 31756

Ion Ratio Lower Upper

122 100

105 24.0 76.1 116.1#

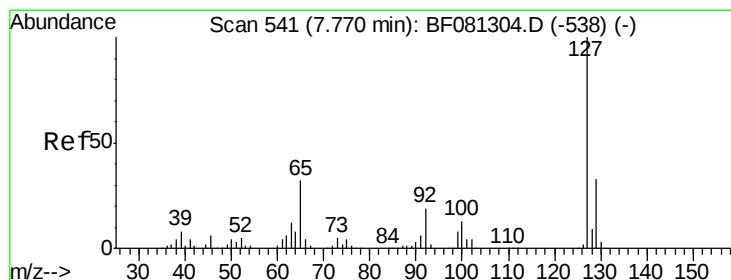
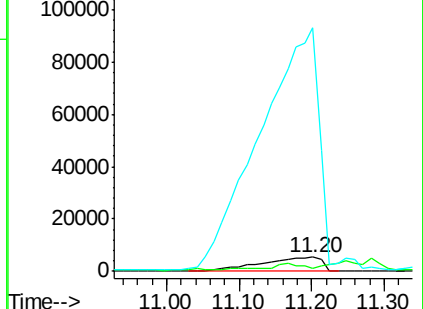
77 1753.9 40.5 80.5#



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: 318.52 ng

RT: 11.20 min Scan# 885

Delta R.T. -0.14 min

Lab File: BF081764.D

Acq: 23 Sep 2015 10:05

Tgt Ion:127 Resp: 1202545

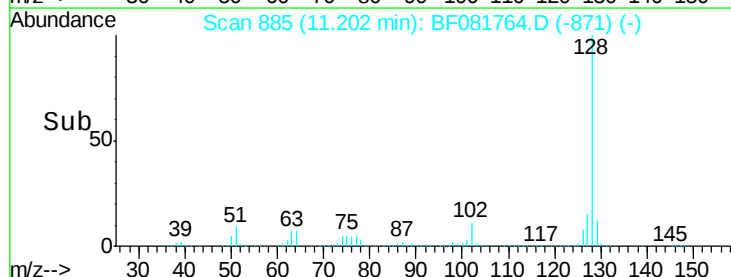
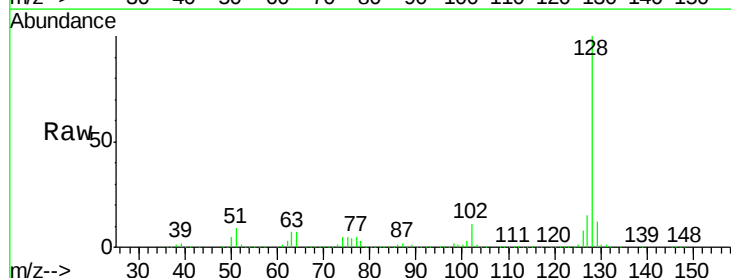
Ion Ratio Lower Upper

127 100

129 82.9 25.8 38.6#

65 0.0 17.9 26.9#

92 0.1 10.5 15.7#

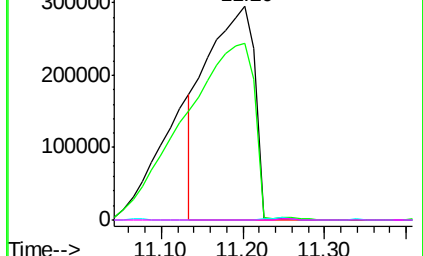


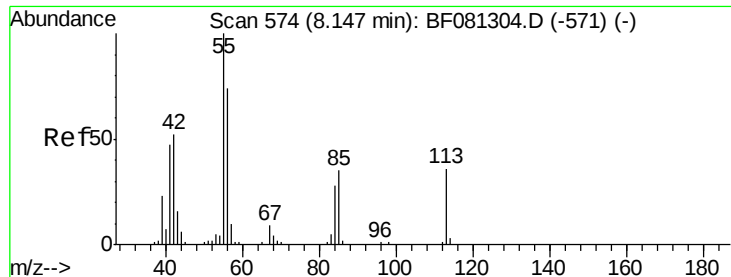
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0





#35

Caprolactam

Concen: 4.23 ng

RT: 12.30 min Scan# 981

Delta R.T. -0.02 min

Lab File: BF081764.D

Acq: 23 Sep 2015 10:05

Instrument :

BNA_F

ClientSampleId :

MGP205-10-12

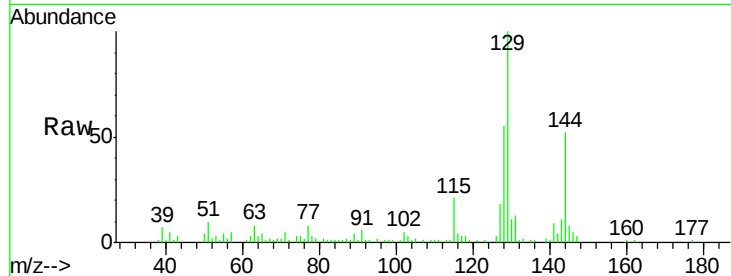
Tgt Ion:113 Resp: 3163

Ion Ratio Lower Upper

113 100

55 348.6 152.4 192.4#

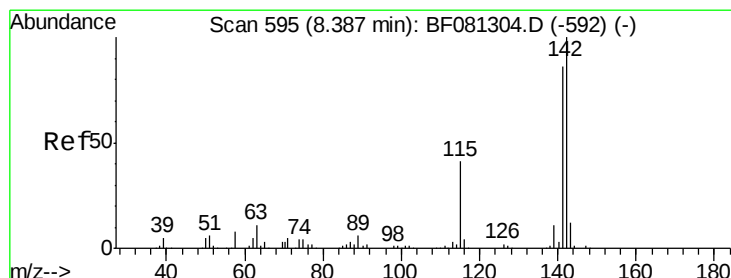
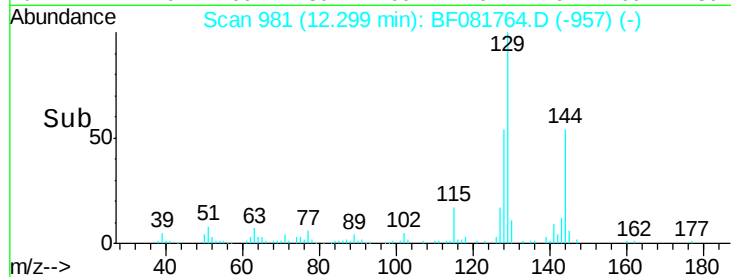
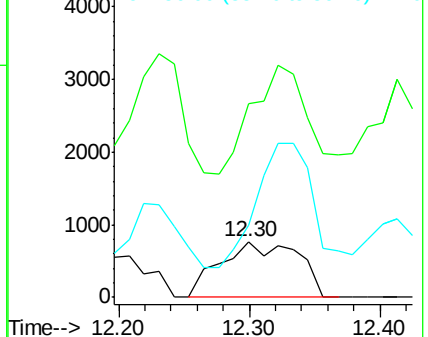
56 130.6 104.6 144.6



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#37

2-Methylnaphthalene

Concen: 635.35 ng

RT: 12.83 min Scan# 1027

Delta R.T. 0.08 min

Lab File: BF081764.D

Acq: 23 Sep 2015 10:05

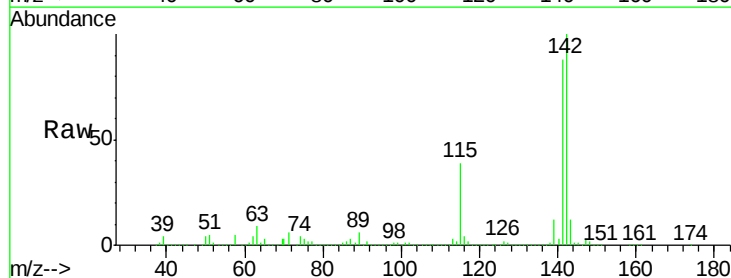
Tgt Ion:142 Resp: 3827078

Ion Ratio Lower Upper

142 100

141 88.1 67.5 101.3

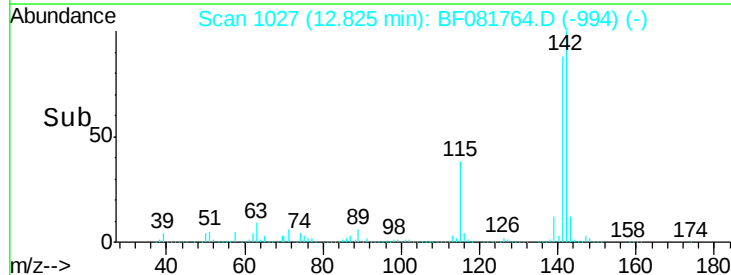
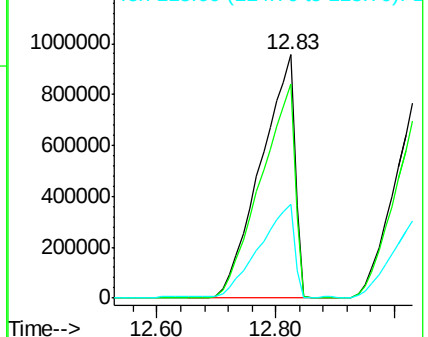
115 38.7 18.2 27.2#

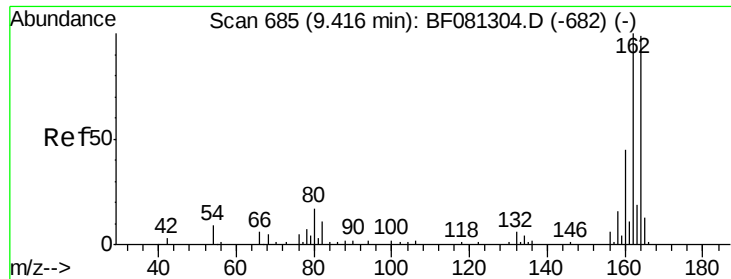


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

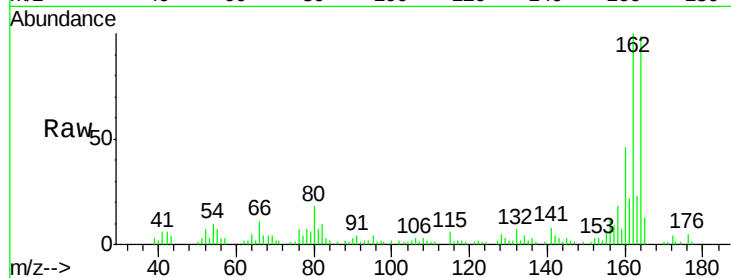




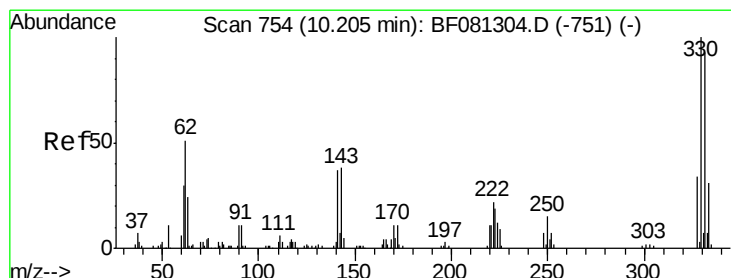
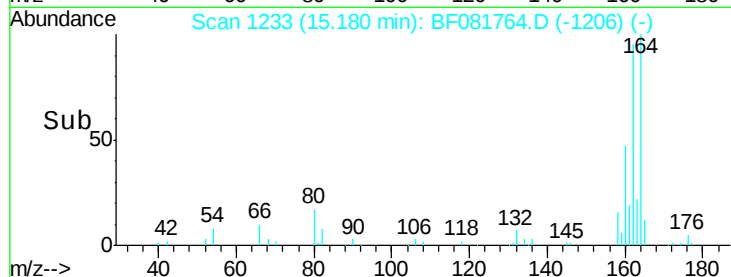
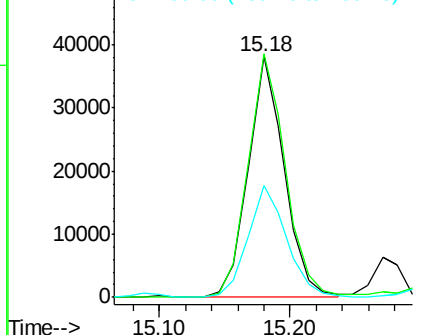
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.18 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: BF081764.D
 Acq: 23 Sep 2015 10:05

Instrument :
 BNA_F
 ClientSampleId :
 MGP205-10-12

Tgt Ion:164 Resp: 72988
 Ion Ratio Lower Upper
 164 100
 162 101.1 75.2 112.8
 160 46.6 31.5 47.3

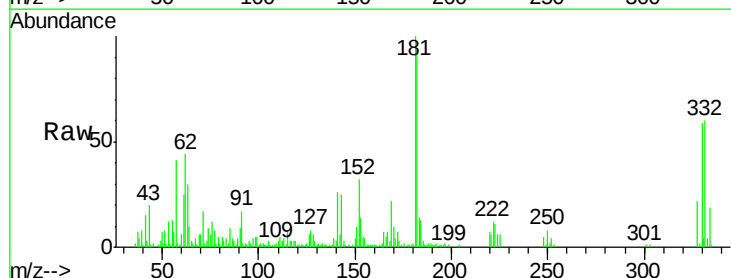


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

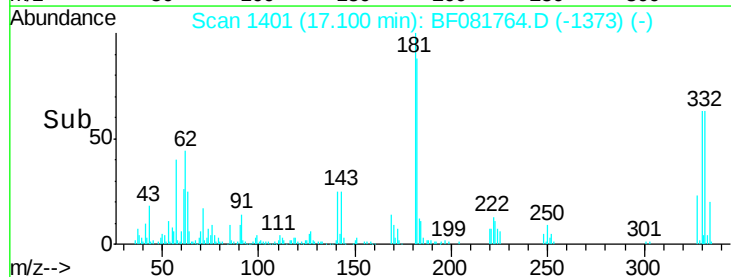
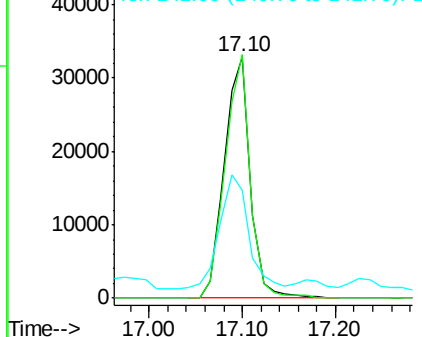


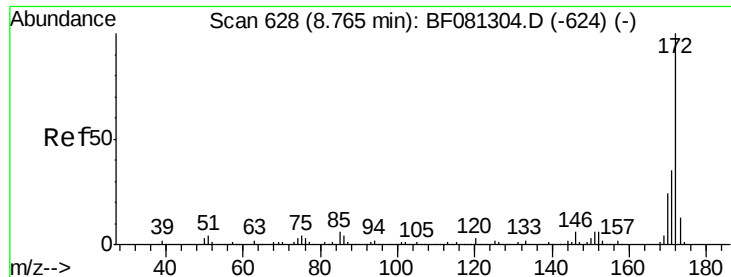
#41
 2,4,6-Tribromophenol
 Concen: 97.92 ng
 RT: 17.10 min Scan# 1401
 Delta R.T. 0.02 min
 Lab File: BF081764.D
 Acq: 23 Sep 2015 10:05

Tgt Ion:330 Resp: 63638
 Ion Ratio Lower Upper
 330 100
 332 97.1 76.6 114.8
 141 54.9 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

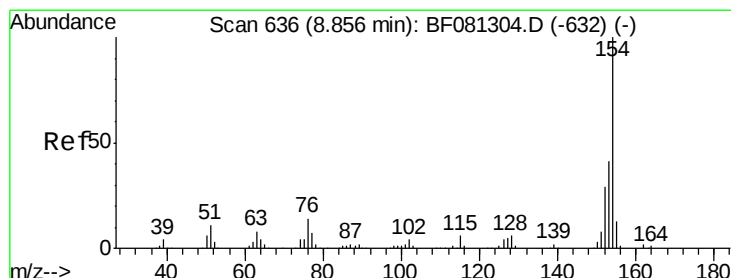
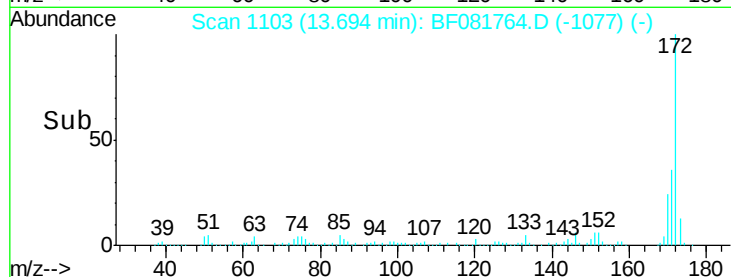
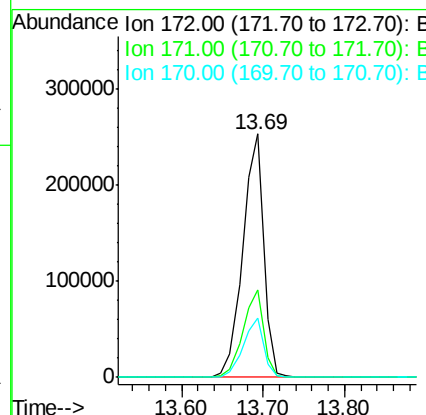
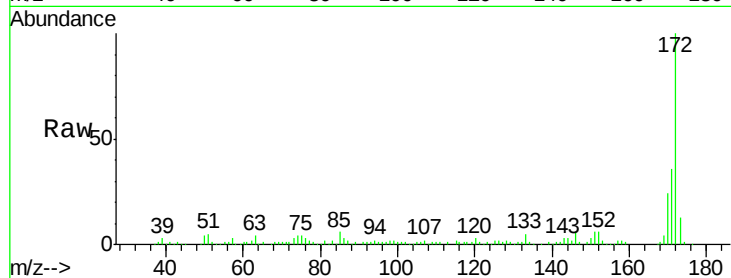




#44
2-Fluorobiphenyl
Concen: 78.91 ng
RT: 13.69 min Scan# 1103
Delta R.T. 0.00 min
Lab File: BF081764.D
Acq: 23 Sep 2015 10:05

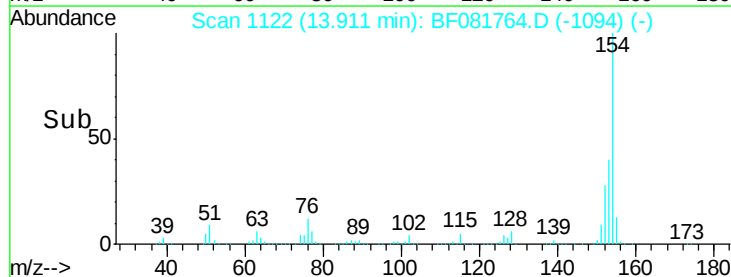
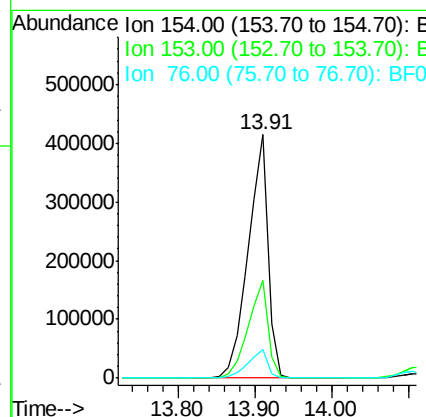
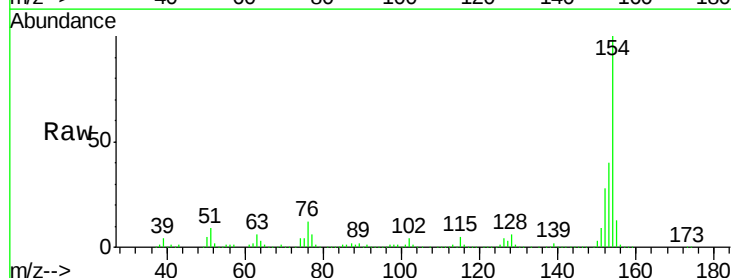
Instrument :
BNA_F
ClientSampleId :
MGP205-10-12

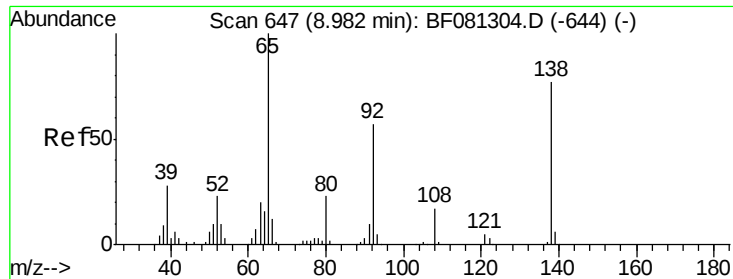
Tgt Ion:172 Resp: 449425
Ion Ratio Lower Upper
172 100
171 36.1 26.1 39.1
170 24.3 17.4 26.2



#45
1,1'-Biphenyl
Concen: 110.90 ng
RT: 13.91 min Scan# 1122
Delta R.T. 0.02 min
Lab File: BF081764.D
Acq: 23 Sep 2015 10:05

Tgt Ion:154 Resp: 744684
Ion Ratio Lower Upper
154 100
153 40.0 17.1 57.1
76 11.6 0.0 31.6

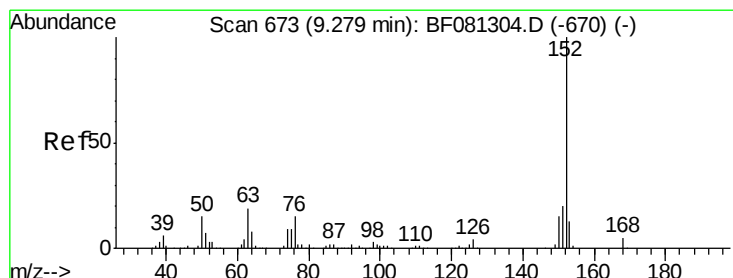
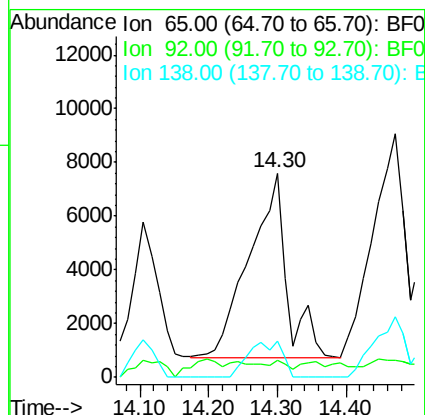
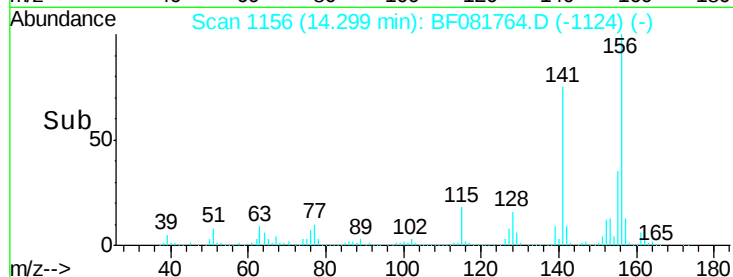
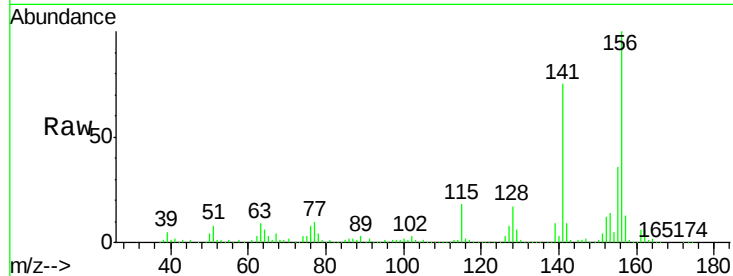




#47
2-Nitroaniline
Concen: 13.13 ng
RT: 14.30 min Scan# 1156
Delta R.T. 0.07 min
Lab File: BF081764.D
Acq: 23 Sep 2015 10:05

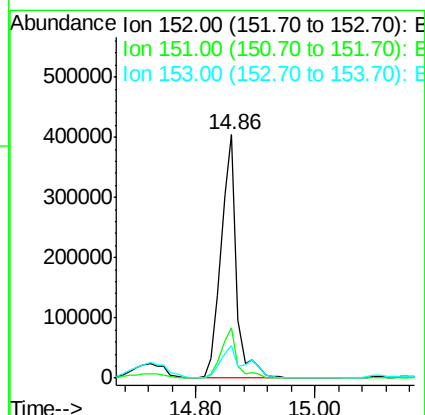
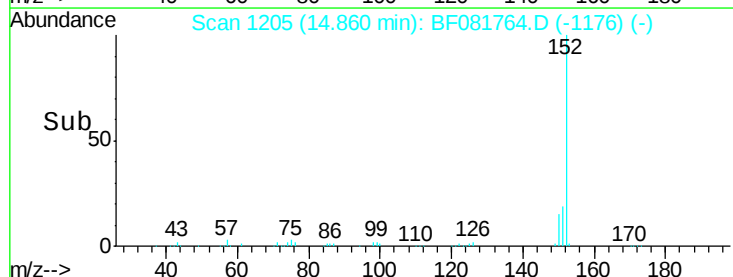
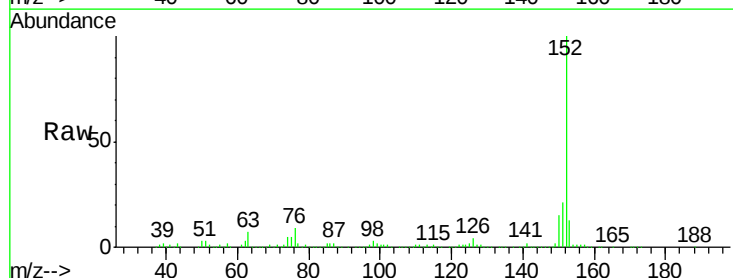
Instrument :
BNA_F
ClientSampleId :
MGP205-10-12

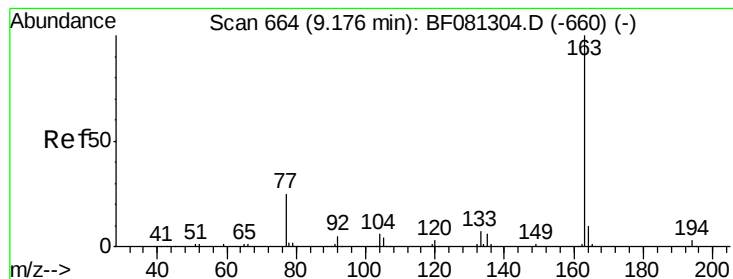
Tgt Ion: 65 Resp: 25959
Ion Ratio Lower Upper
65 100
92 8.1 55.4 83.0#
138 17.7 115.5 173.3#



#48
Acenaphthylene
Concen: 84.72 ng
RT: 14.86 min Scan# 1205
Delta R.T. 0.03 min
Lab File: BF081764.D
Acq: 23 Sep 2015 10:05

Tgt Ion: 152 Resp: 728865
Ion Ratio Lower Upper
152 100
151 20.5 14.6 22.0
153 13.4 10.3 15.5





#49

Dimethylphthalate

Concen: 6.46 ng

RT: 14.76 min Scan# 1196

Delta R.T. -0.02 min

Lab File: BF081764.D

Acq: 23 Sep 2015 10:05

Instrument :

BNA_F

ClientSampleId :

MGP205-10-12

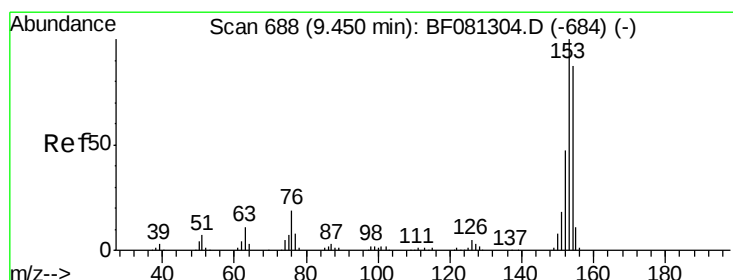
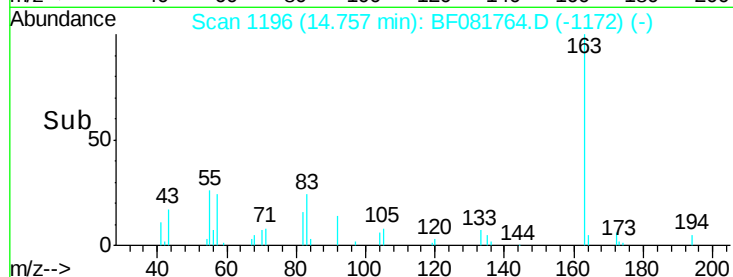
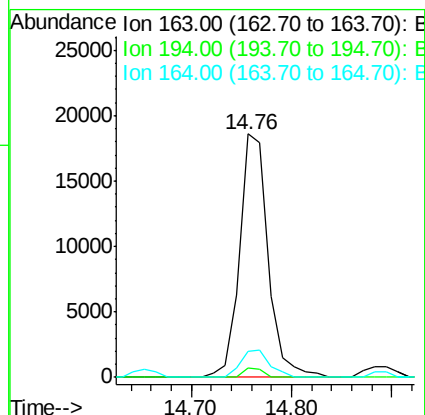
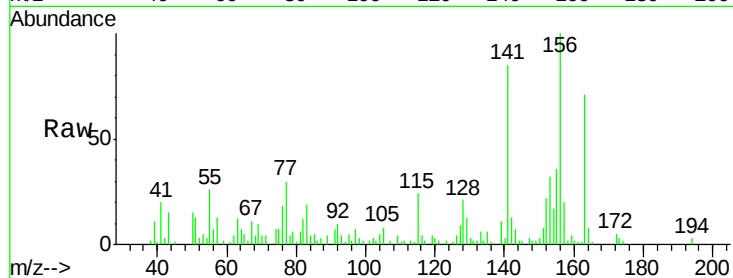
Tgt Ion:163 Resp: 36658

Ion Ratio Lower Upper

163 100

194 3.7 4.4 6.6#

164 10.7 8.3 12.5



#51

Acenaphthene

Concen: 234.25 ng

RT: 15.29 min Scan# 1243

Delta R.T. 0.05 min

Lab File: BF081764.D

Acq: 23 Sep 2015 10:05

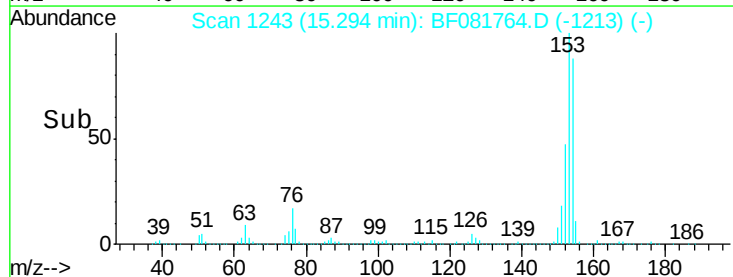
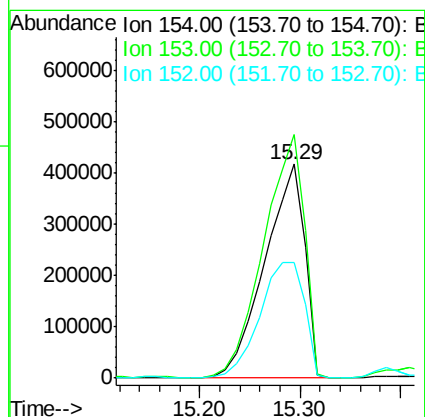
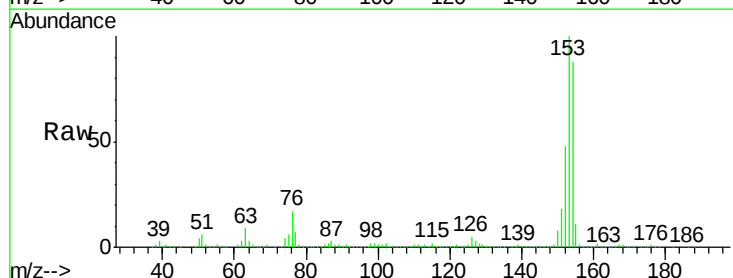
Tgt Ion:154 Resp: 1146438

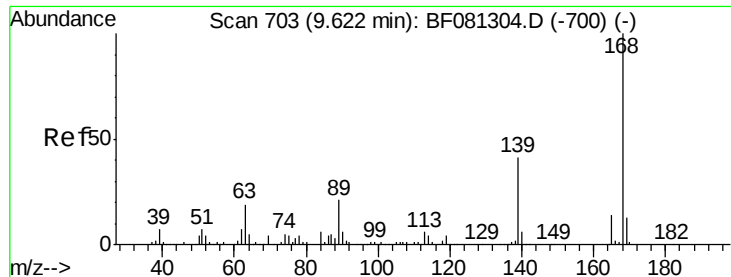
Ion Ratio Lower Upper

154 100

153 113.7 82.1 123.1

152 54.1 37.9 56.9





#54

Dibenzofuran

Concen: 38.29 ng

RT: 15.68 min Scan# 1277

Delta R.T. 0.01 min

Lab File: BF081764.D

Acq: 23 Sep 2015 10:05

Instrument :

BNA_F

ClientSampleId :

MGP205-10-12

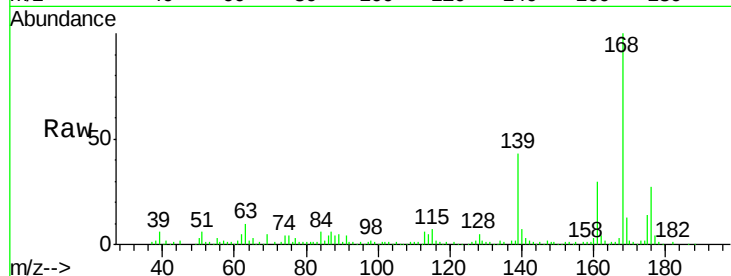
Tgt Ion:168 Resp: 273661

Ion Ratio Lower Upper

168 100

139 43.0 24.2 36.2#

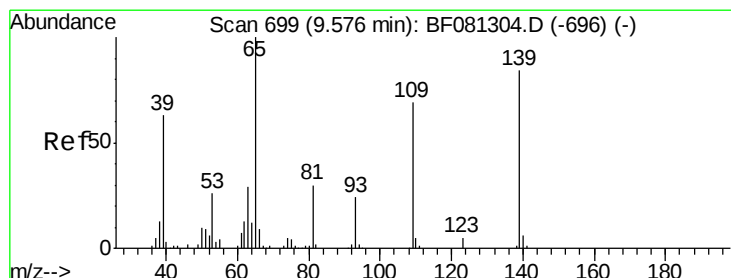
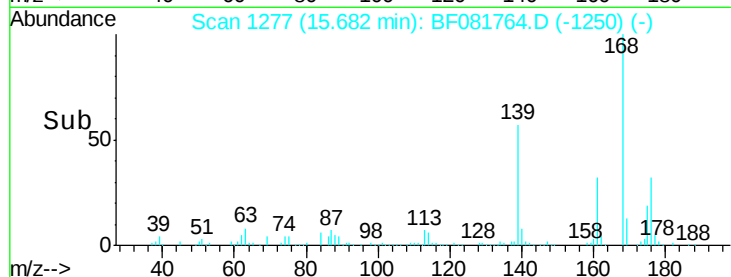
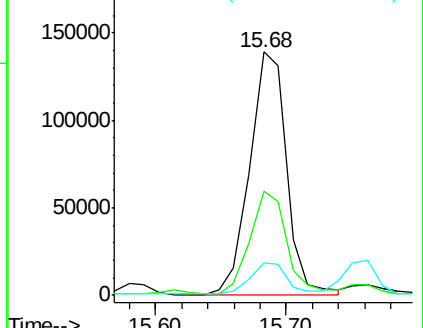
169 13.5 10.6 15.8



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



#55

4-Nitrophenol

Concen: 12.23 ng

RT: 15.76 min Scan# 1284

Delta R.T. -0.14 min

Lab File: BF081764.D

Acq: 23 Sep 2015 10:05

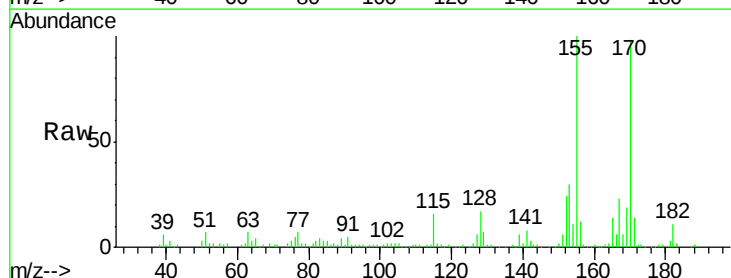
Tgt Ion:139 Resp: 11259

Ion Ratio Lower Upper

139 100

109 14.4 12.7 52.7

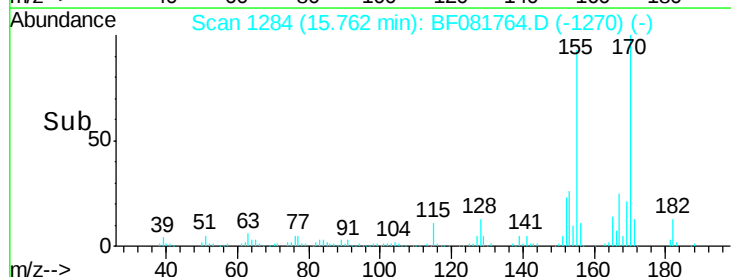
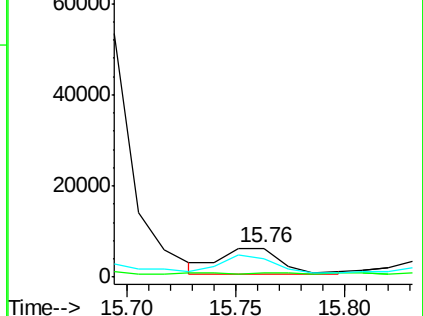
65 63.2 45.9 85.9

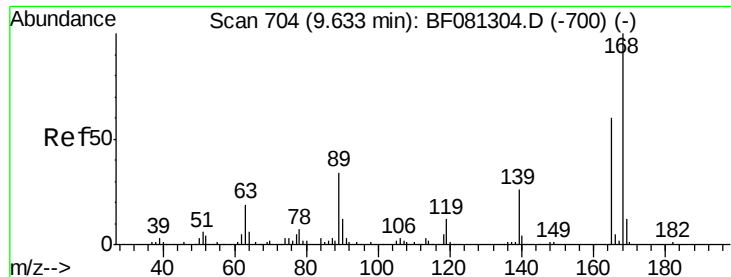


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

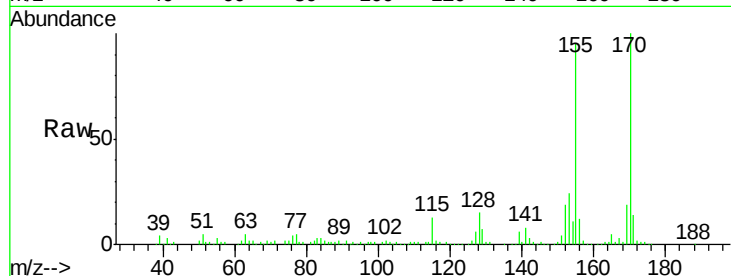




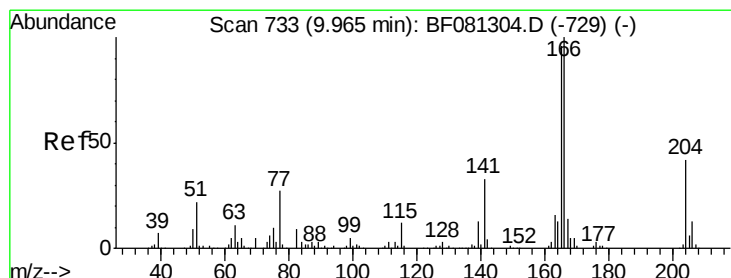
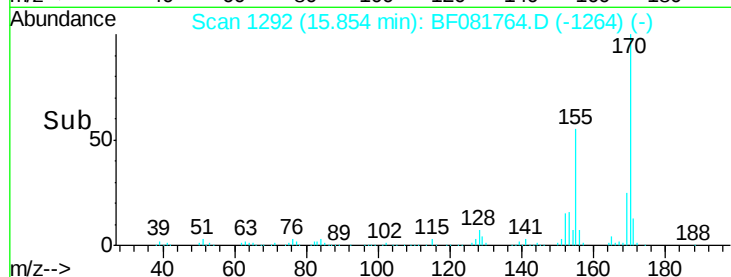
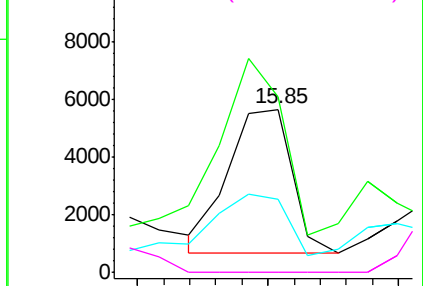
#56
2,4-Dinitrotoluene
Concen: 5.21 ng
RT: 15.85 min Scan# 1292
Delta R.T. 0.02 min
Lab File: BF081764.D
Acq: 23 Sep 2015 10:05

Instrument :
BNA_F
ClientSampleId :
MGP205-10-12

Tgt Ion:165 Resp: 8538
Ion Ratio Lower Upper
165 100
63 107.5 29.8 44.6#
89 44.6 44.5 66.7
182 0.0 3.0 4.4#

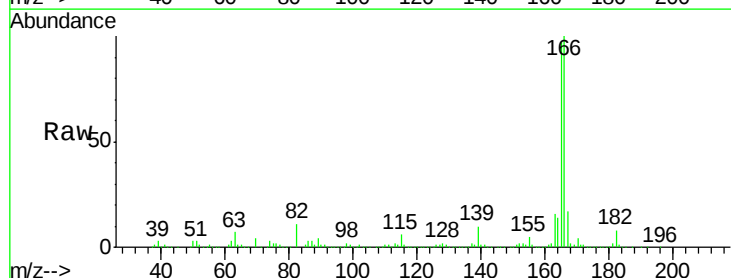


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

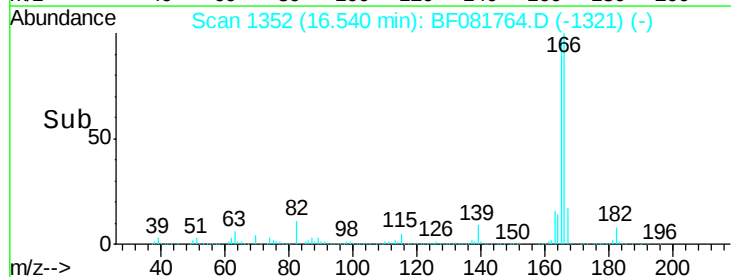
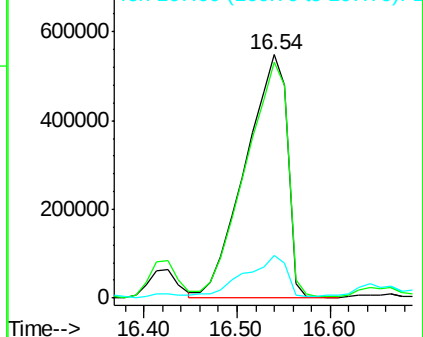


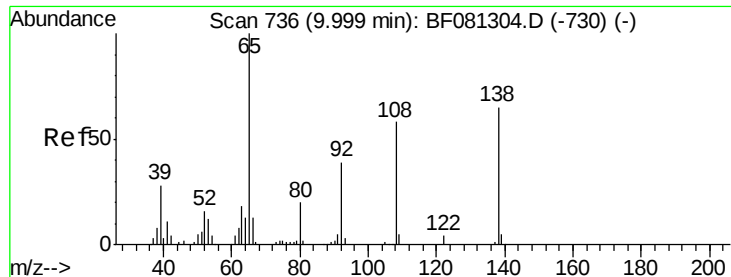
#57
Fluorene
Concen: 314.85 ng
RT: 16.54 min Scan# 1352
Delta R.T. 0.06 min
Lab File: BF081764.D
Acq: 23 Sep 2015 10:05

Tgt Ion:166 Resp: 1707456
Ion Ratio Lower Upper
166 100
165 97.2 72.6 109.0
167 17.3 10.6 16.0#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

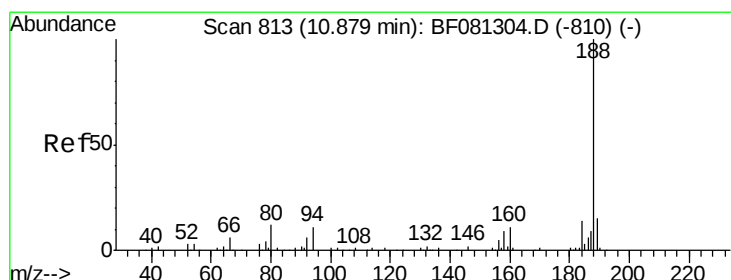
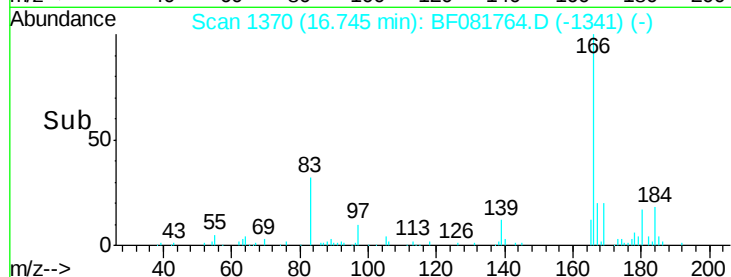
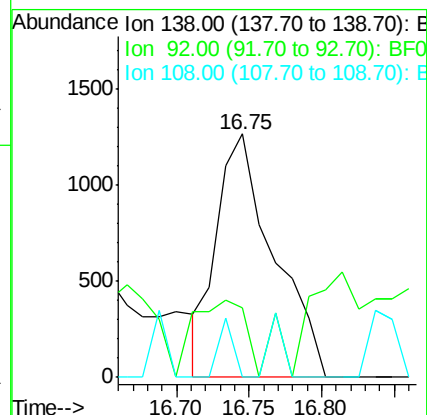
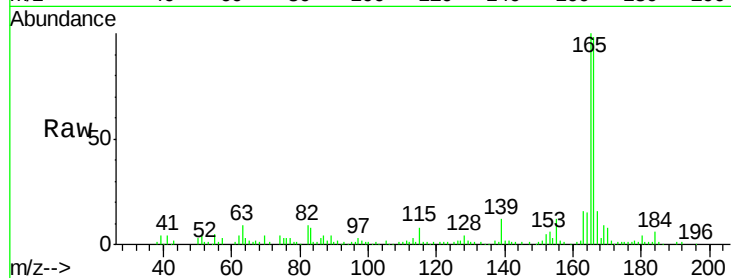




#61
4-Nitroaniline
Concen: 2.33 ng
RT: 16.75 min Scan# 1370
Delta R.T. 0.03 min
Lab File: BF081764.D
Acq: 23 Sep 2015 10:05

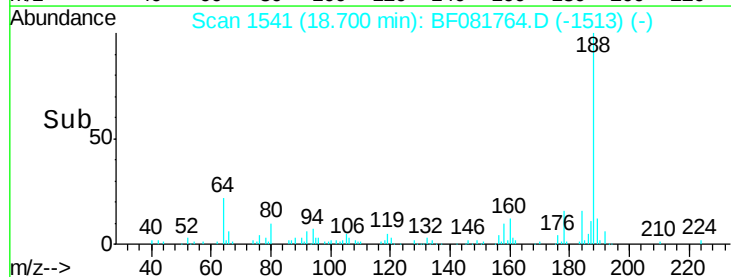
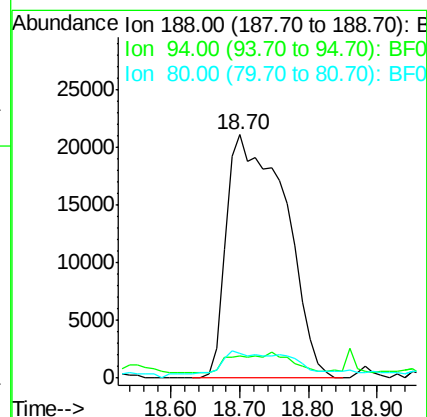
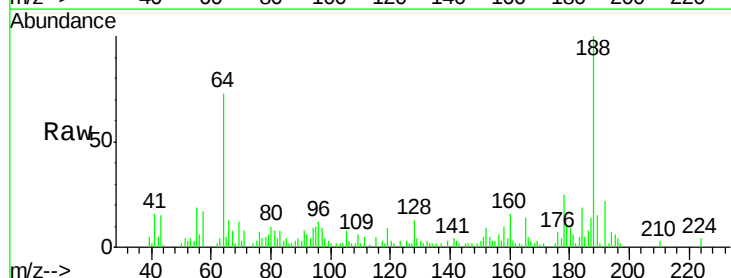
Instrument :
BNA_F
ClientSampleId :
MGP205-10-12

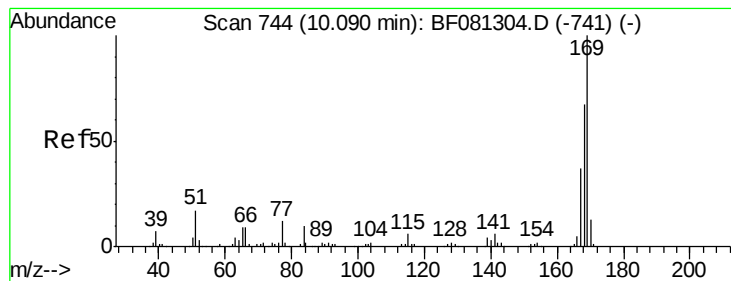
Tgt Ion:138 Resp: 3454
Ion Ratio Lower Upper
138 100
92 28.5 12.6 52.6
108 0.0 12.4 52.4#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.70 min Scan# 1541
Delta R.T. 0.02 min
Lab File: BF081764.D
Acq: 23 Sep 2015 10:05

Tgt Ion:188 Resp: 126321
Ion Ratio Lower Upper
188 100
94 9.0 11.1 16.7#
80 10.3 11.0 16.4#





#65

n-Nitrosodiphenylamine

Concen: 5.04 ng

RT: 16.94 min Scan# 1387

Delta R.T. 0.03 min

Lab File: BF081764.D

Acq: 23 Sep 2015 10:05

Instrument :

BNA_F

ClientSampleId :

MGP205-10-12

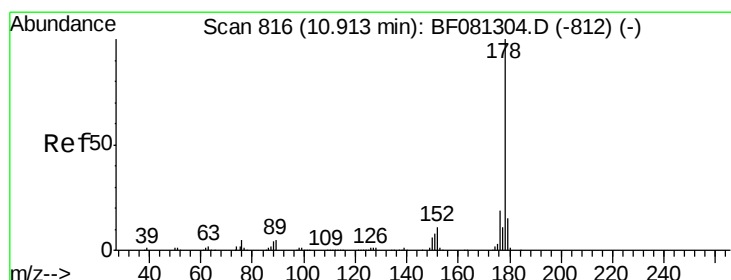
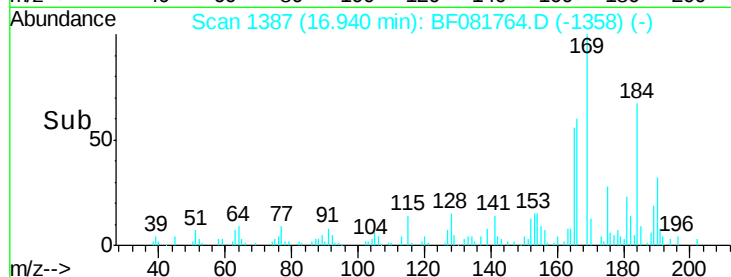
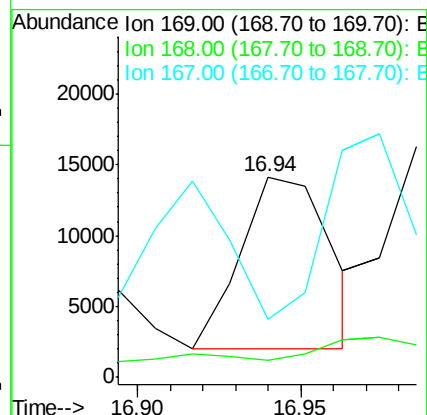
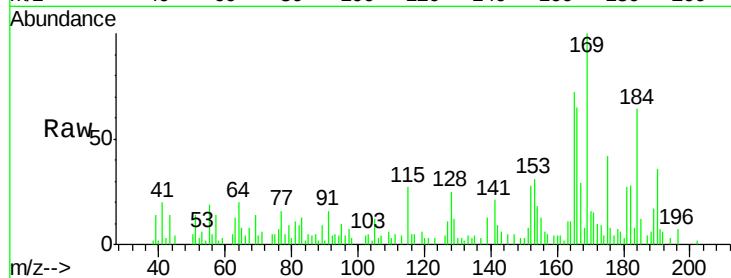
Tgt Ion:169 Resp: 23146

Ion Ratio Lower Upper

169 100

168 8.2 48.9 73.3#

167 28.7 26.2 39.4



#70

Phenanthrene

Concen: 928.29 ng

RT: 18.86 min Scan# 1555

Delta R.T. 0.13 min

Lab File: BF081764.D

Acq: 23 Sep 2015 10:05

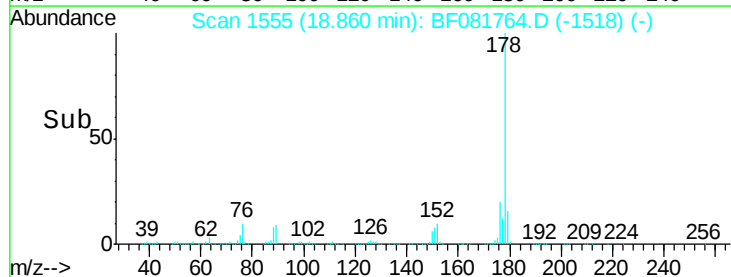
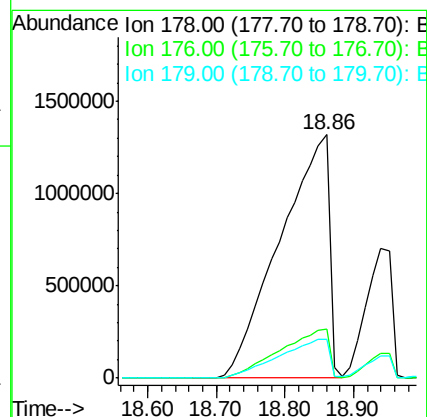
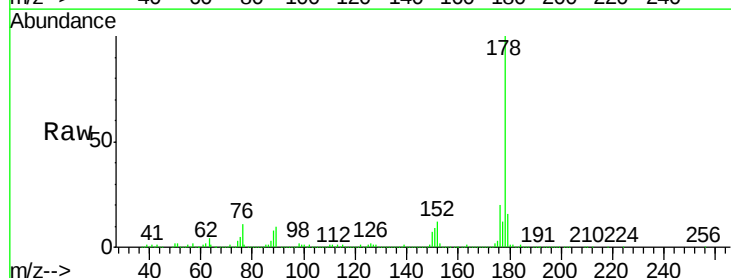
Tgt Ion:178 Resp: 6519122

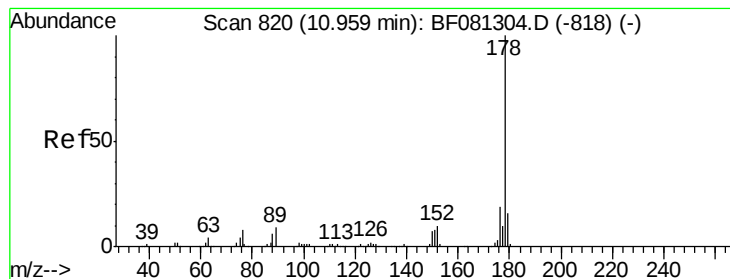
Ion Ratio Lower Upper

178 100

176 20.4 13.8 20.8

179 16.2 12.2 18.2





#71

Anthracene

Concen: 903.55 ng

RT: 18.86 min Scan# 1555

Delta R.T. -0.00 min

Lab File: BF081764.D

Acq: 23 Sep 2015 10:05

Instrument :

BNA_F

ClientSampleId :

MGP205-10-12

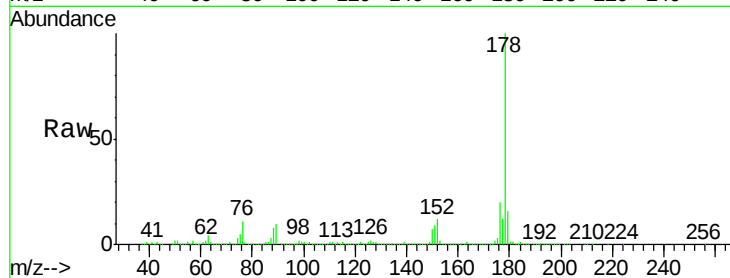
Tgt Ion:178 Resp: 6519122

Ion Ratio Lower Upper

178 100

176 20.4 14.1 21.1

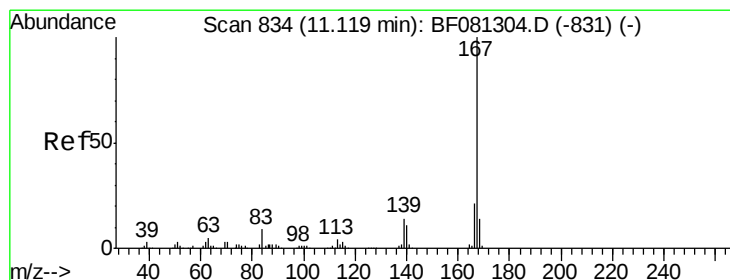
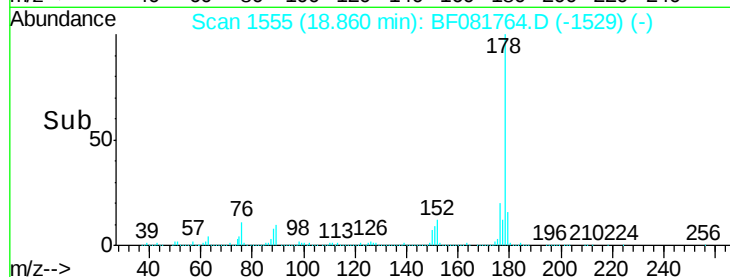
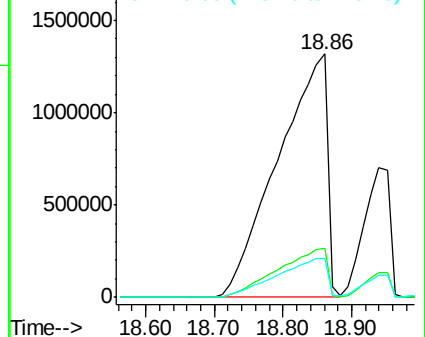
179 16.2 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 13.23 ng

RT: 19.36 min Scan# 1599

Delta R.T. 0.02 min

Lab File: BF081764.D

Acq: 23 Sep 2015 10:05

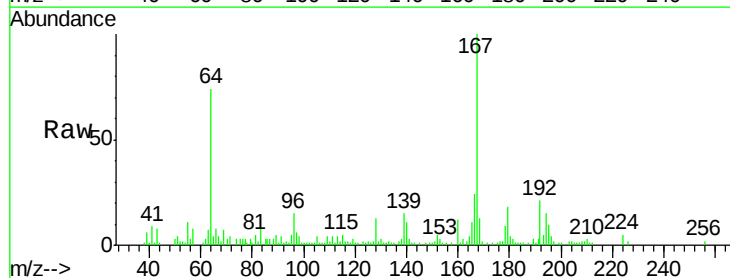
Tgt Ion:167 Resp: 89578

Ion Ratio Lower Upper

167 100

166 24.3 15.7 23.5#

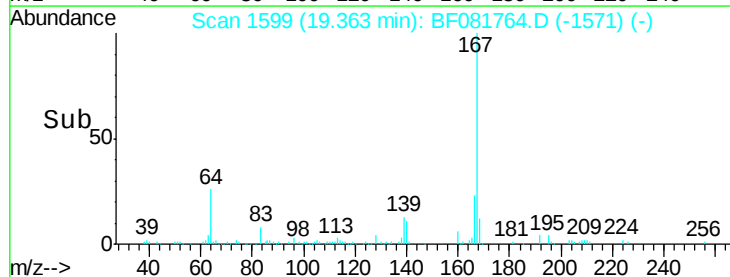
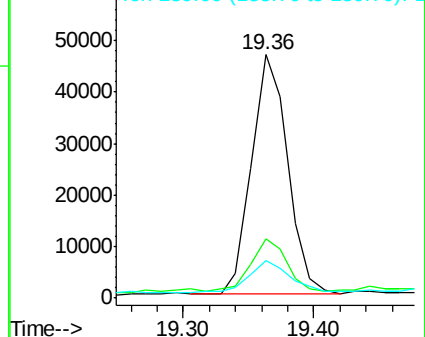
139 15.3 9.5 14.3#

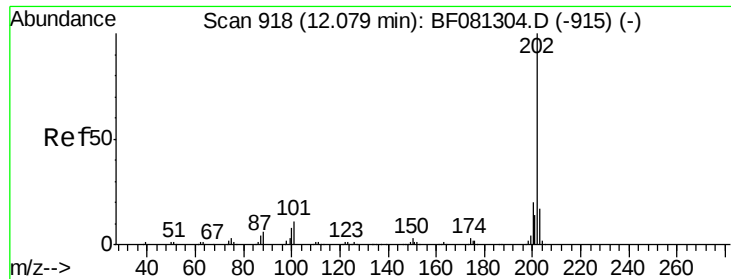


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 295.45 ng

RT: 21.45 min Scan# 1782

Delta R.T. 0.09 min

Lab File: BF081764.D

Acq: 23 Sep 2015 10:05

Instrument :

BNA_F

ClientSampleId :

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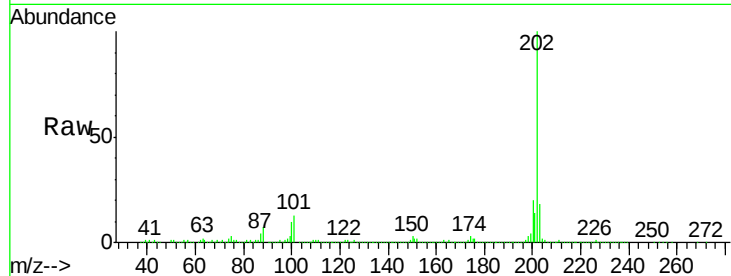
Tgt Ion:202 Resp: 2246123

Ion Ratio Lower Upper

202 100

101 12.8 0.0 38.3

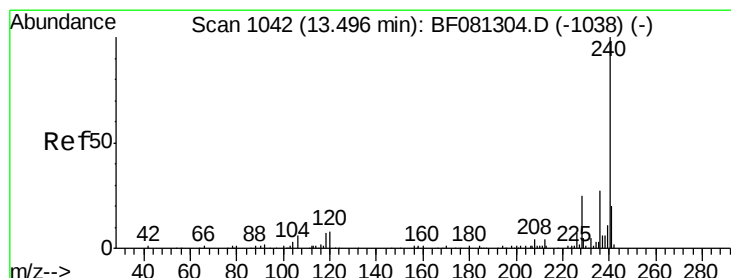
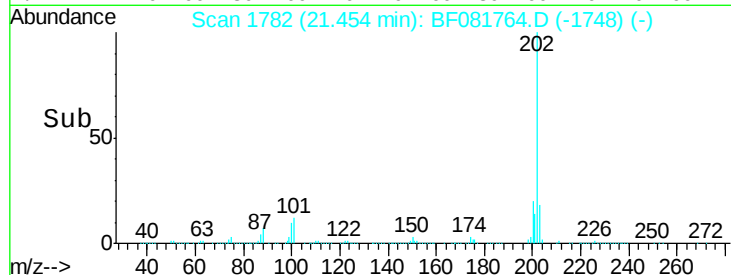
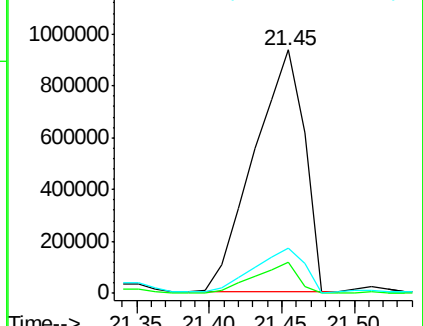
203 18.4 0.0 37.3



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: 23.37 min Scan# 1950

Delta R.T. 0.05 min

Lab File: BF081764.D

Acq: 23 Sep 2015 10:05

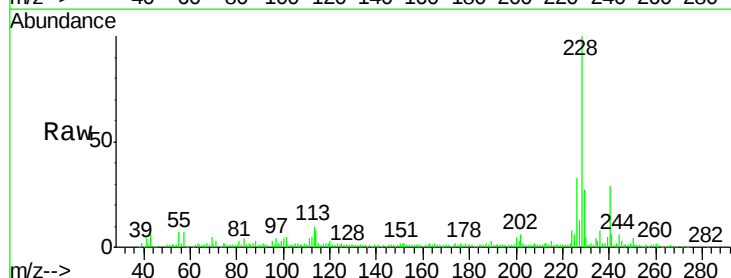
Tgt Ion:240 Resp: 93591

Ion Ratio Lower Upper

240 100

120 9.4 16.2 24.2#

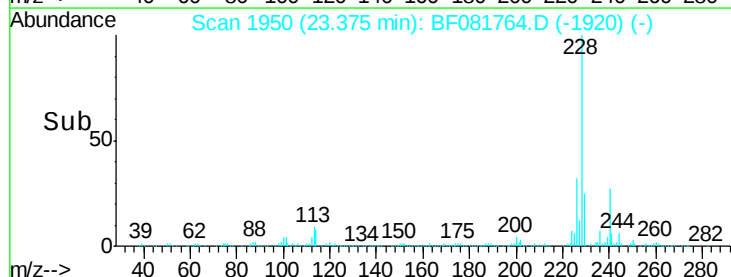
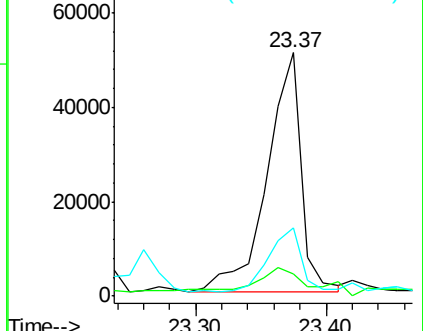
236 27.9 18.4 27.6#

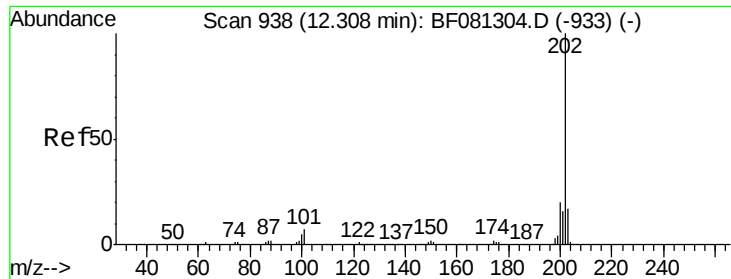


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

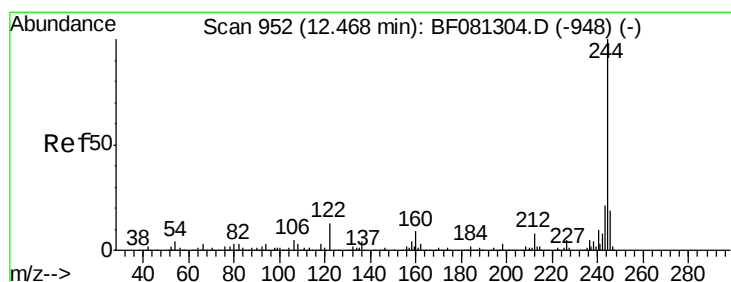
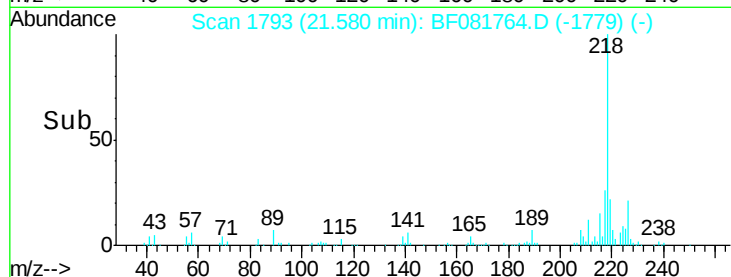
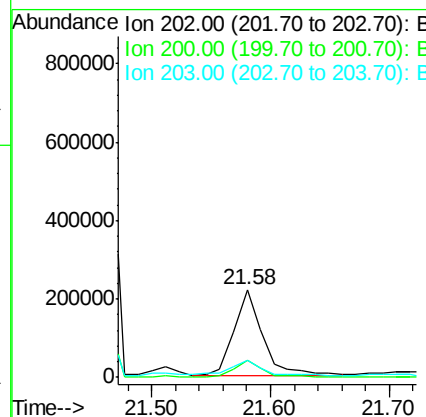
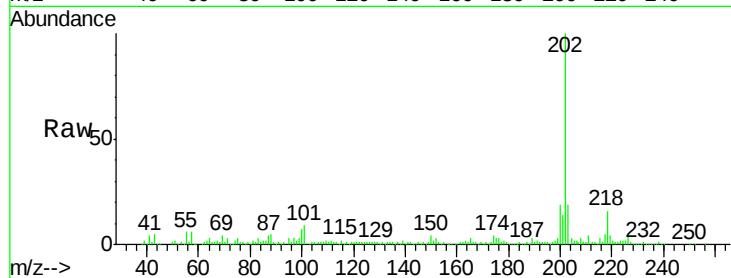




#77
Pyrene
Concen: 52.70 ng
RT: 21.58 min Scan# 1793
Delta R.T. -0.14 min
Lab File: BF081764.D
Acq: 23 Sep 2015 10:05

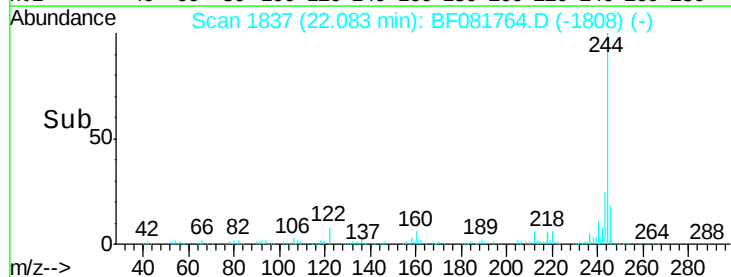
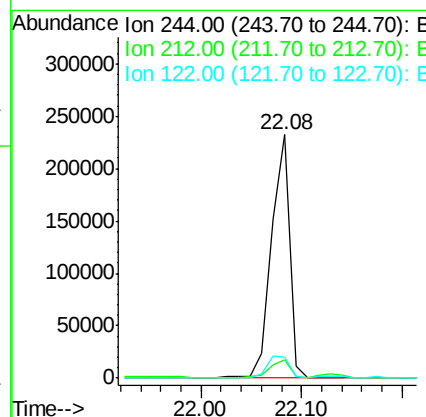
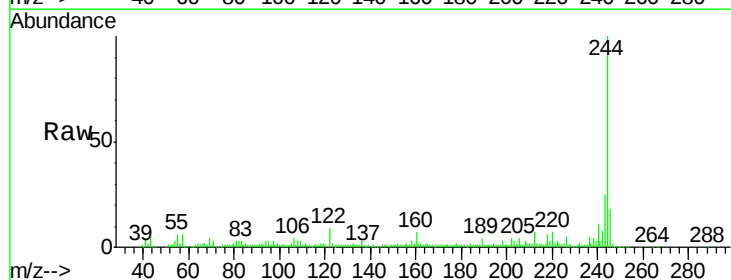
Instrument :
BNA_F
ClientSampleId :
MGP205-10-12

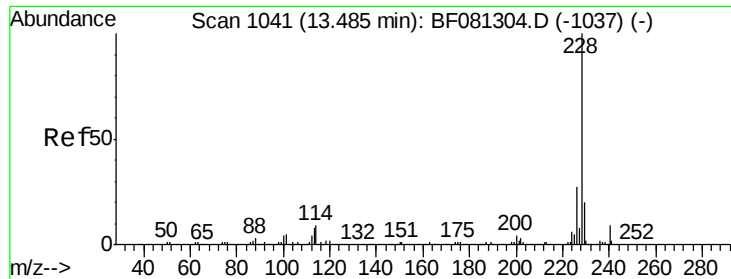
Tgt Ion: 202 Resp: 365348
Ion Ratio Lower Upper
202 100
200 19.2 15.0 22.4
203 19.3 14.1 21.1



#78
Terphenyl-d14
Concen: 72.65 ng
RT: 22.08 min Scan# 1837
Delta R.T. 0.03 min
Lab File: BF081764.D
Acq: 23 Sep 2015 10:05

Tgt Ion: 244 Resp: 292095
Ion Ratio Lower Upper
244 100
212 7.5 4.3 6.5#
122 8.7 17.4 26.2#

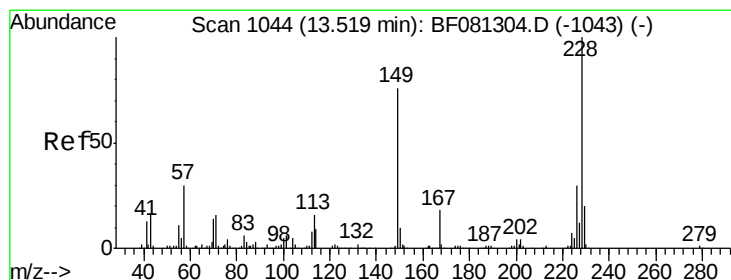
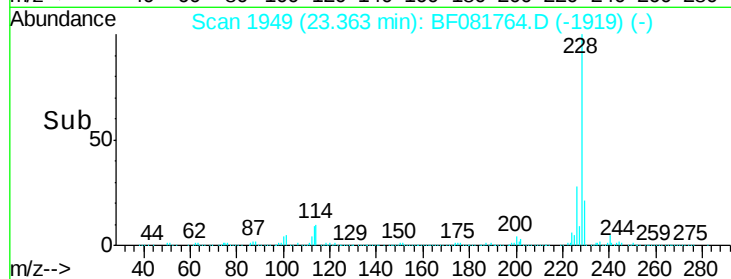
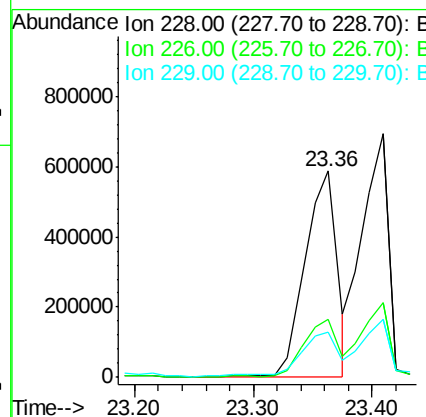
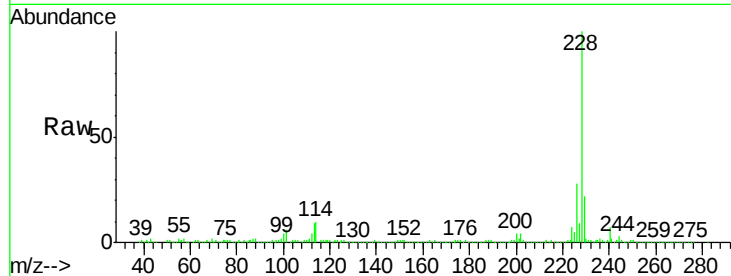




#80
Benzo(a)anthracene
Concen: 183.42 ng
RT: 23.36 min Scan# 1949
Delta R.T. 0.05 min
Lab File: BF081764.D
Acq: 23 Sep 2015 10:05

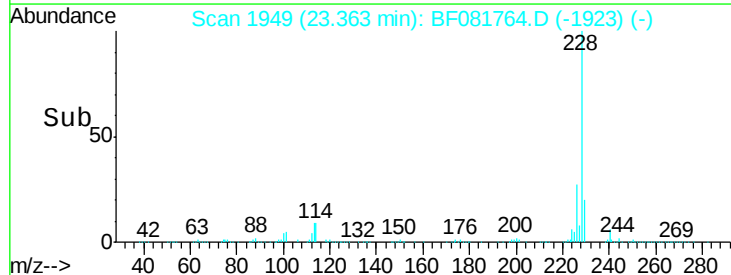
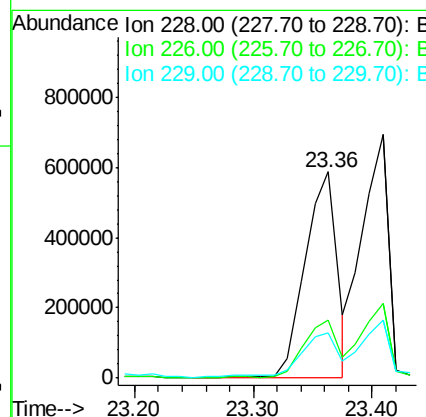
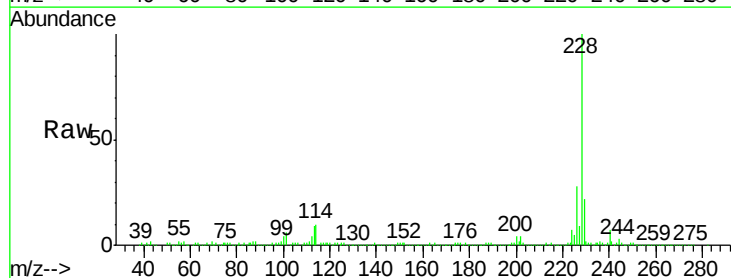
Instrument :
BNA_F
ClientSampleId :
MGP205-10-12

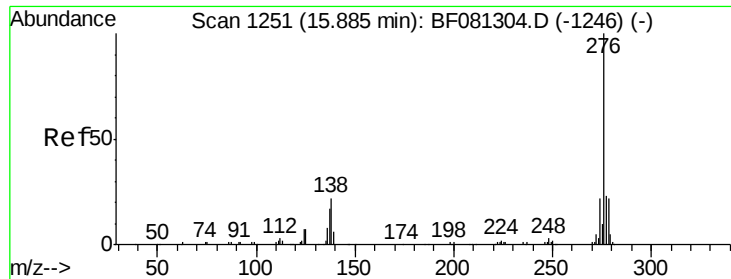
Tgt Ion:228 Resp: 1093203
Ion Ratio Lower Upper
228 100
226 28.0 20.0 30.0
229 21.9 15.4 23.2



#82
Chrysene
Concen: 204.61 ng
RT: 23.36 min Scan# 1949
Delta R.T. -0.00 min
Lab File: BF081764.D
Acq: 23 Sep 2015 10:05

Tgt Ion:228 Resp: 1093203
Ion Ratio Lower Upper
228 100
226 28.0 21.0 31.4
229 21.9 15.6 23.4

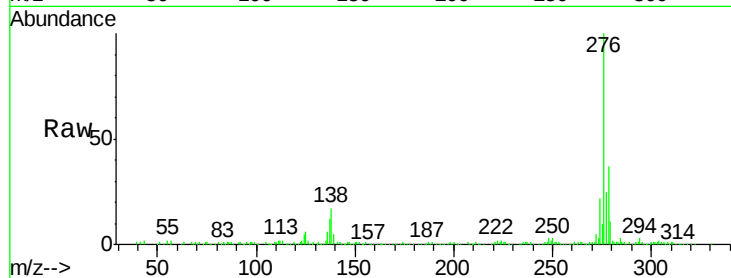




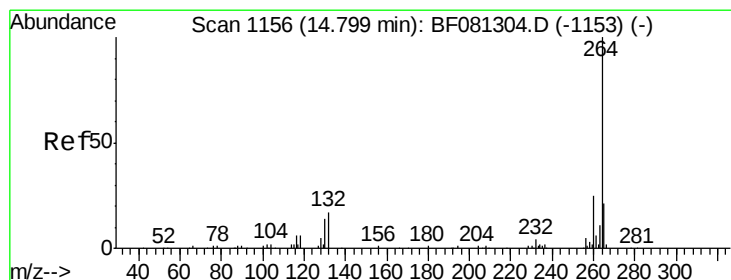
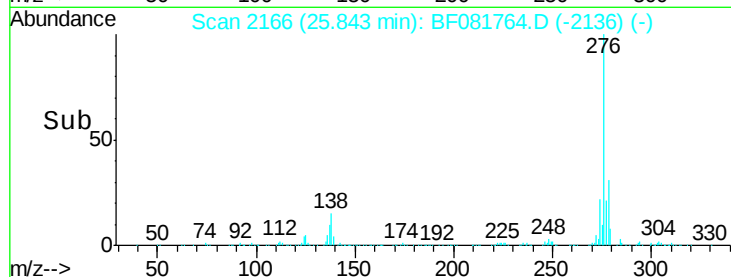
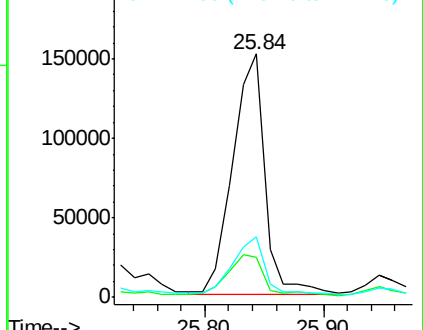
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 73.61 ng
 RT: 25.84 min Scan# 2166
 Delta R.T. 0.05 min
 Lab File: BF081764.D
 Acq: 23 Sep 2015 10:05

Instrument :
 BNA_F
 ClientSampleId :
 MGP205-10-12

Tgt Ion: 276 Resp: 288537
 Ion Ratio Lower Upper
 276 100
 138 19.6 25.7 38.5#
 277 24.7 15.6 23.4#

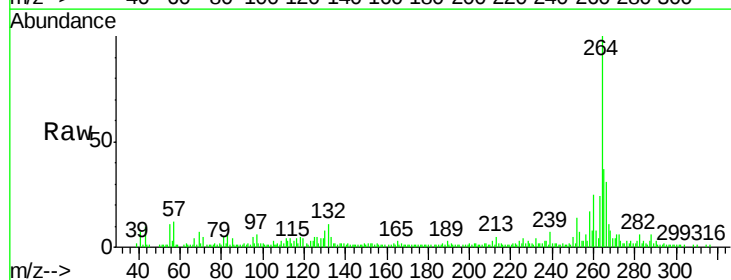


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

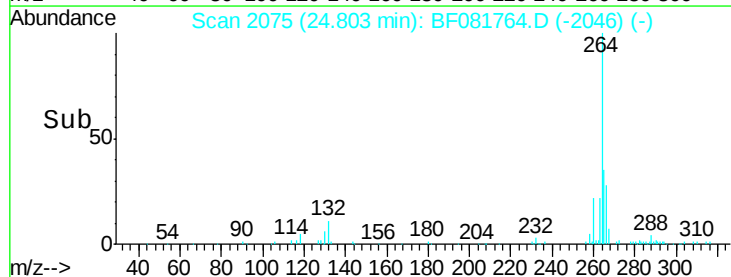
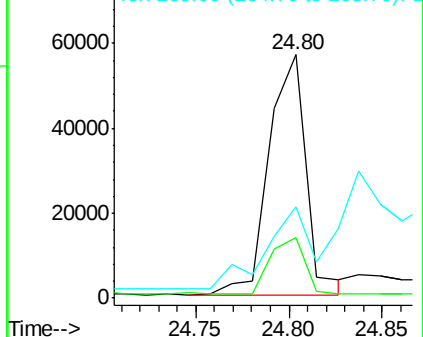


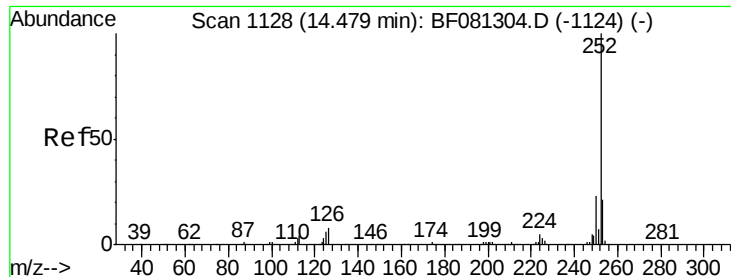
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 24.80 min Scan# 2075
 Delta R.T. 0.03 min
 Lab File: BF081764.D
 Acq: 23 Sep 2015 10:05

Tgt Ion: 264 Resp: 78374
 Ion Ratio Lower Upper
 264 100
 260 24.7 16.7 25.1
 265 37.4 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

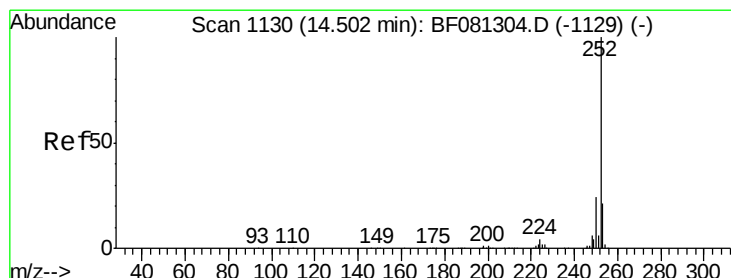
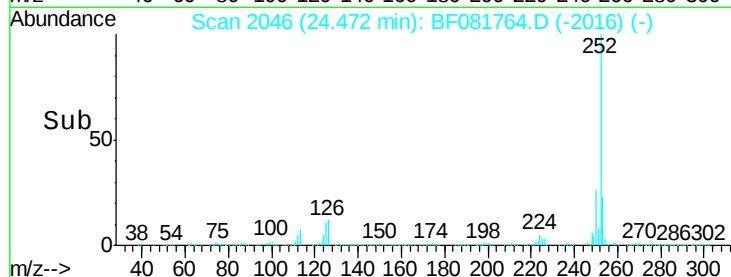
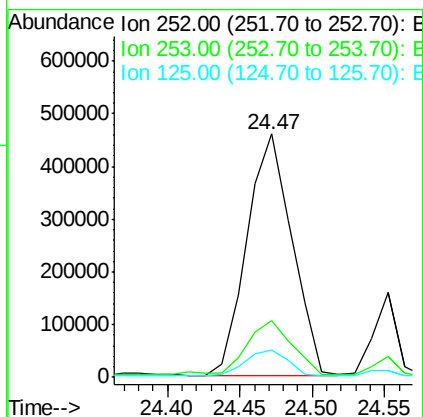
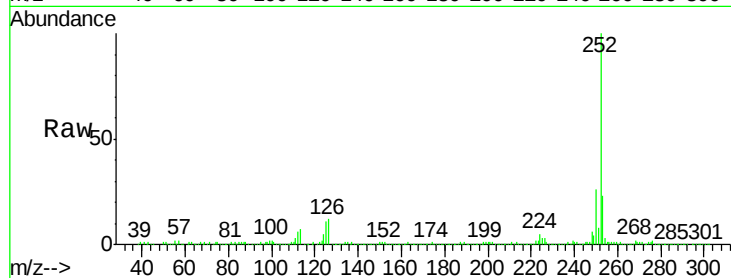




#87
Benzo(b)fluoranthene
Concen: 175.68 ng
RT: 24.47 min Scan# 2046
Delta R.T. 0.05 min
Lab File: BF081764.D
Acq: 23 Sep 2015 10:05

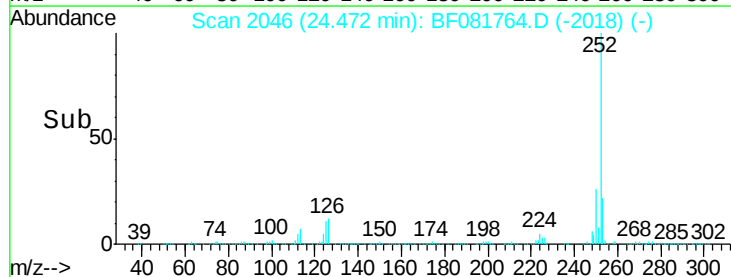
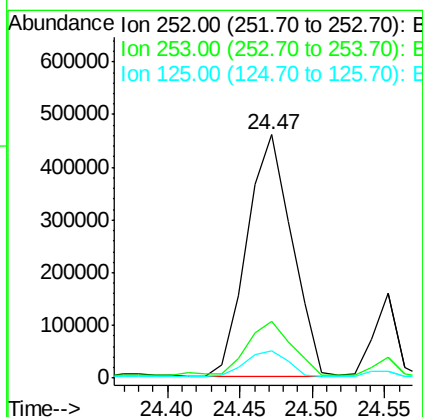
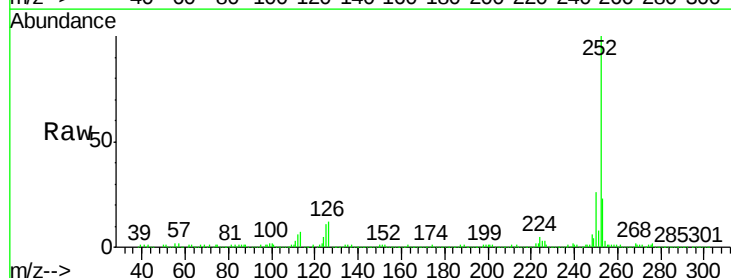
Instrument :
BNA_F
ClientSampleId :
MGP205-10-12

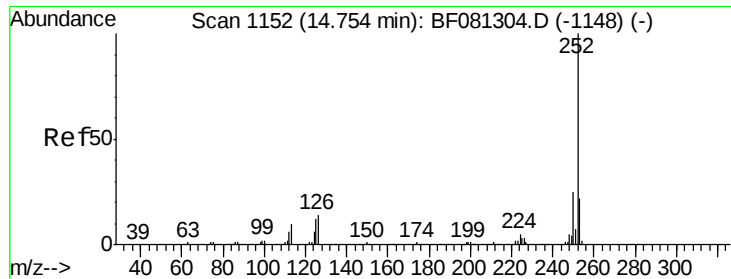
Tgt Ion:252 Resp: 982979
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 11.2 17.1 25.7#



#88
Benzo(k)fluoranthene
Concen: 211.72 ng
RT: 24.47 min Scan# 2046
Delta R.T. 0.02 min
Lab File: BF081764.D
Acq: 23 Sep 2015 10:05

Tgt Ion:252 Resp: 982979
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.4
125 11.2 16.0 24.0#





#89

Benzo(a)pyrene

Concen: 187.01 ng

RT: 24.76 min Scan# 2071

Delta R.T. 0.03 min

Lab File: BF081764.D

Acq: 23 Sep 2015 10:05

Instrument :

BNA_F

ClientSampleId :

MGP205-10-12

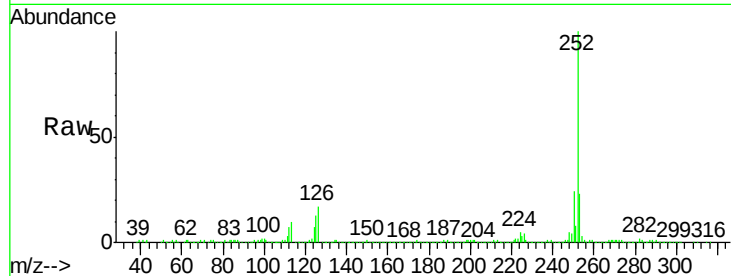
Tgt Ion:252 Resp: 886713

Ion Ratio Lower Upper

252 100

253 23.2 17.2 25.8

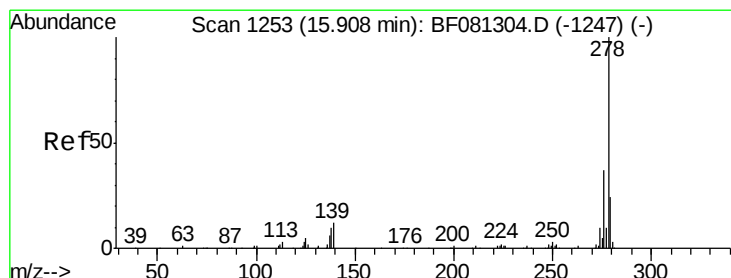
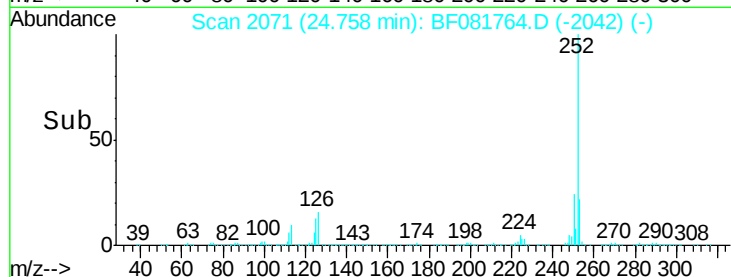
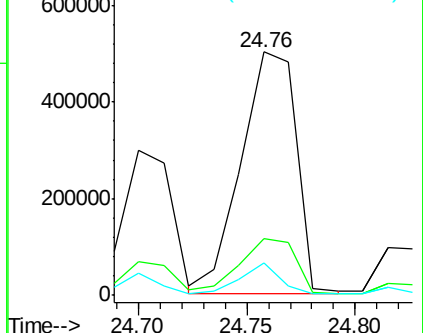
125 13.2 18.0 27.0#



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



#90

Dibenzo(a,h)anthracene

Concen: 26.00 ng

RT: 25.84 min Scan# 2166

Delta R.T. 0.05 min

Lab File: BF081764.D

Acq: 23 Sep 2015 10:05

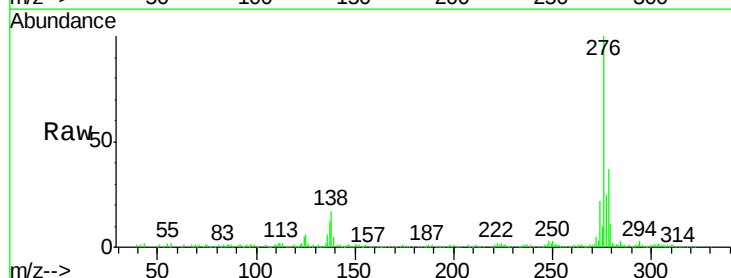
Tgt Ion:278 Resp: 95240

Ion Ratio Lower Upper

278 100

139 13.0 26.3 39.5#

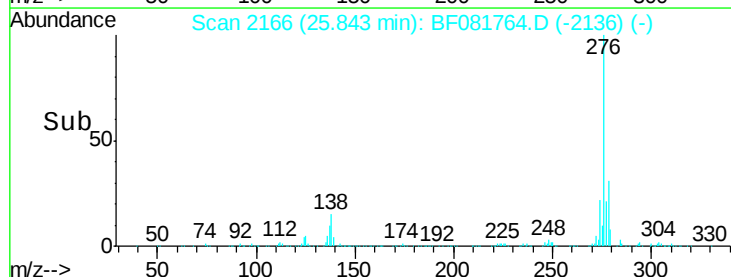
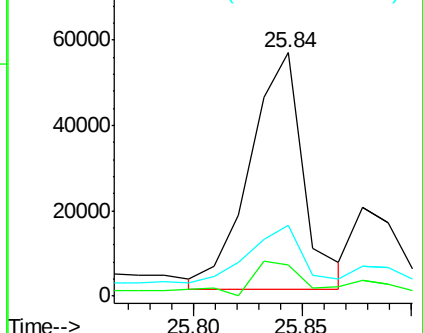
279 28.9 18.2 27.4#

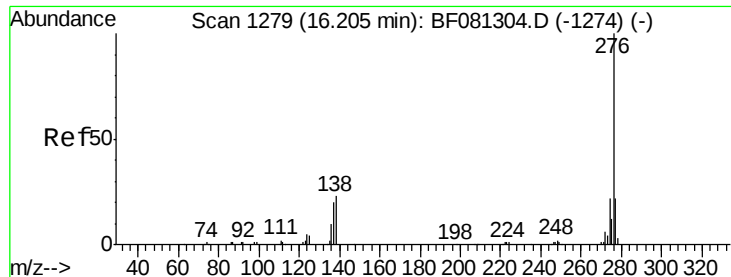


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

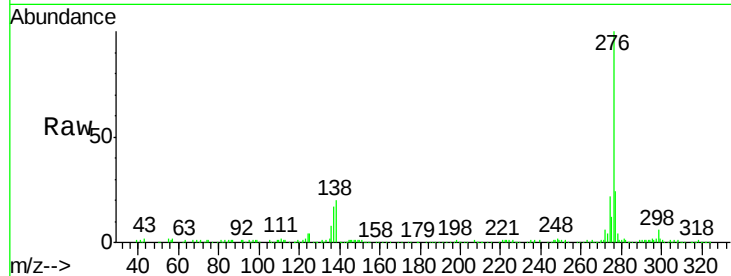




#91
 Benzo(g,h,i)perylene
 Concen: 78.79 ng
 RT: 26.14 min Scan# 2192
 Delta R.T. 0.06 min
 Lab File: BF081764.D
 Acq: 23 Sep 2015 10:05

Instrument :
 BNA_F
 ClientSampleId :
 MGP205-10-12

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	17.8	26.6
138	20.3	34.6	51.8#



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

