

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091515\
 Data File : BF081642.D
 Acq On : 15 Sep 2015 22:51
 Operator : UM/IZ
 Sample : G3654-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MGP203(2-4)

Quant Time: Sep 16 01:01:33 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 15 14:03:59 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	44139	20.00	ng	0.01
21) Naphthalene-d8	11.27	136	64430	20.00	ng	0.15
38) Acenaphthene-d10	15.28	164	74530	20.00	ng	0.02
63) Phenanthrene-d10	18.80	188	137094	20.00	ng	0.05
75) Chrysene-d12	23.41	240	99198	20.00	ng	0.02
86) Perylene-d12	24.84	264	64160	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.37	112	318099	111.81	ng	0.02
7) Phenol-d6	7.67	99	441310	117.19	ng	0.02
23) Nitrobenzene-d5	9.54	82	292246	218.84	ng	0.01
41) 2,4,6-Tribromophenol	17.18	330	72635	109.45	ng	0.01
44) 2-Fluorobiphenyl	13.80	172	463184	79.64	ng	0.02
78) Terphenyl-d14	22.14	244	358309	84.08	ng	0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.54	88	6569	5.14	ng	# 11
3) Pyridine	2.07	79	215643	61.20	ng	# 23
9) Benzaldehyde	7.27	77	63472	26.90	ng	# 1
18) Hexachloroethane	9.35	117	25595	19.29	ng	# 1
22) Acetophenone	9.36	105	16954	9.63	ng	# 46
24) Nitrobenzene	9.74	77	24445	17.63	ng	# 1
25) Isophorone	10.30	82	7410	2.98	ng	# 1
26) 2-Nitrophenol	10.31	139	12907	21.35	ng	# 1
27) 2,4-Dimethylphenol	10.67	122	2703	2.59	ng	# 61
31) Naphthalene	11.52	128	52027091	15141.17	ng	# 90
32) Benzoic acid	11.47	122	130409	168.24	ng	# 1
35) Caprolactam	12.55	113	2151	7.75	ng	# 41
36) 4-Chloro-3-methylphenol	12.85	107	4283	4.23	ng	# 1
37) 2-Methylnaphthalene	13.02	142	11081013	4955.52	ng	# 89
45) 1,1'-Biphenyl	14.06	154	3752814	547.31	ng	94
47) 2-Nitroaniline	14.26	65	46328	22.96	ng	# 3
48) Acenaphthylene	14.97	152	1214611	138.26	ng	96
49) Dimethylphthalate	14.85	163	65392	11.29	ng	# 98
50) 2,6-Dinitrotoluene	15.03	165	4292	3.27	ng	# 1
51) Acenaphthene	15.37	154	485068	97.06	ng	# 62
52) 3-Nitroaniline	15.37	138	3062	2.05	ng	# 1
53) 2,4-Dinitrophenol	15.68	184	257	7.08	ng	# 1
54) Dibenzofuran	15.77	168	32234	4.42	ng	# 80
55) 4-Nitrophenol	15.93	139	3118	3.32	ng	# 53
57) Fluorene	16.63	166	1360305	245.65	ng	94
61) 4-Nitroaniline	16.63	138	17667	11.69	ng	67
62) Azobenzene	17.08	77	22054	3.26	ng	# 2
70) Phenanthrene	18.92	178	4432311	581.54	ng	96
71) Anthracene	19.01	178	1075359	137.33	ng	96
74) Fluoranthene	21.51	202	1067190	129.34	ng	91
77) Pyrene	21.85	202	2060384	280.40	ng	# 91
79) Butylbenzylphthalate	22.79	149	10150	3.18	ng	# 1
80) Benzo(a)anthracene	23.41	228	539716	85.43	ng	94
82) Chrysene	23.44	228	409784	72.36	ng	93

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QLast Update : Tue Sep 15 14:03:59 2015
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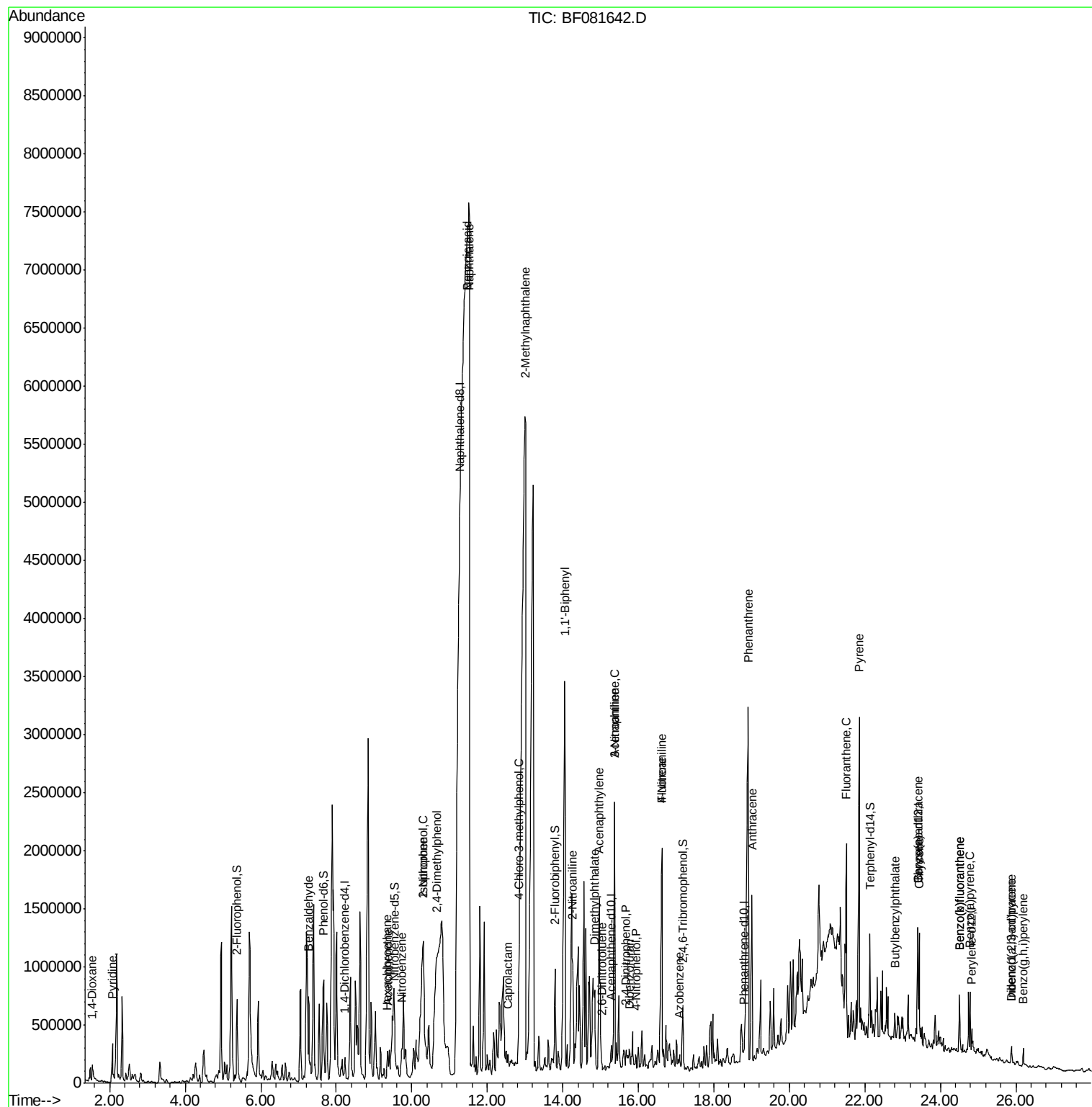
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) Indeno(1,2,3-cd)pyrene	25.89	276	71893	17.30	ng	# 81
87) Benzo(b)fluoranthene	24.50	252	302940	66.14	ng	# 87
88) Benzo(k)fluoranthene	24.50	252	302940	79.70	ng	# 88
89) Benzo(a)pyrene	24.79	252	253374	65.28	ng	# 88
90) Dibenzo(a,h)anthracene	25.89	278	20985	7.00	ng	# 83
91) Benzo(g,h,i)perylene	26.20	276	101445	35.44	ng	# 76

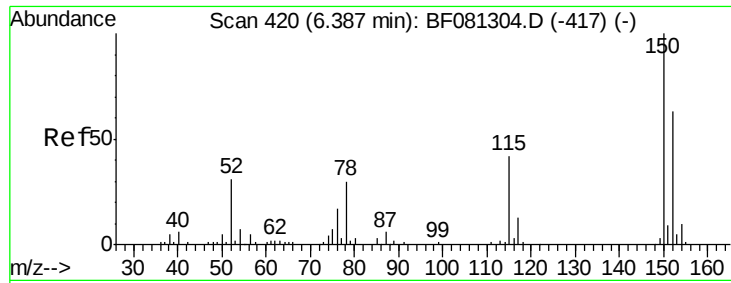
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.23 min Scan# 603

Delta R.T. 0.01 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

Instrument :

BNA_F

ClientSampleId :

MGP203(2-4)

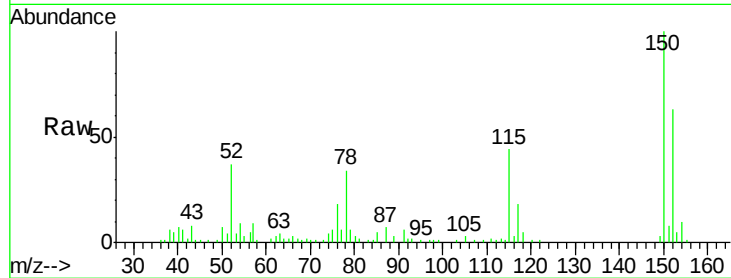
Tgt Ion:152 Resp: 44139

Ion Ratio Lower Upper

152 100

150 158.6 124.7 187.1

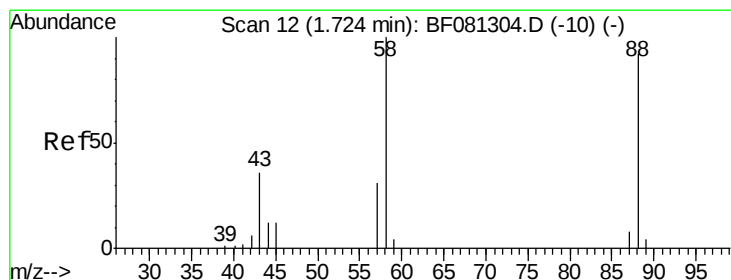
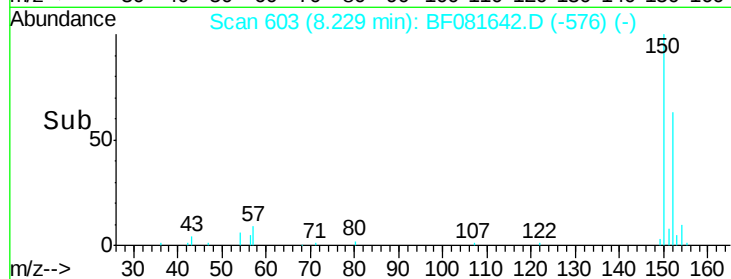
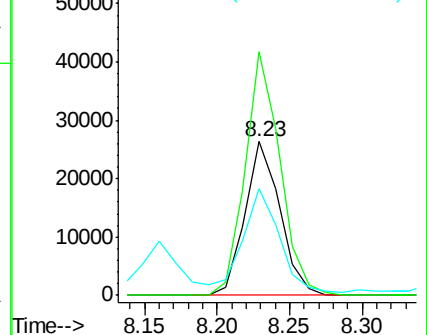
115 69.7 39.0 58.4#



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: 5.14 ng

RT: 1.54 min Scan# 18

Delta R.T. -0.02 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

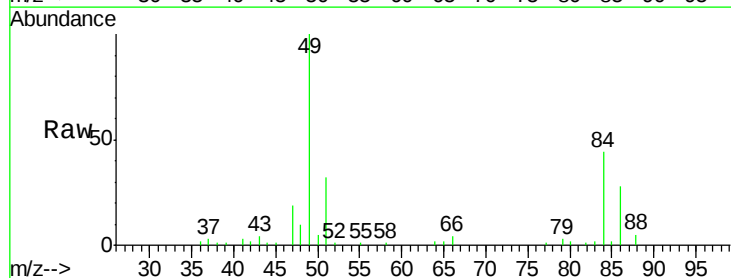
Tgt Ion: 88 Resp: 6569

Ion Ratio Lower Upper

88 100

58 0.0 77.7 116.5#

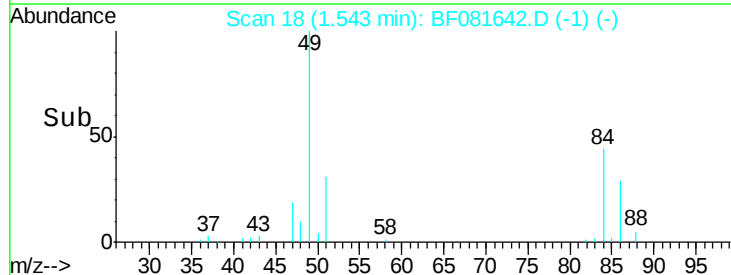
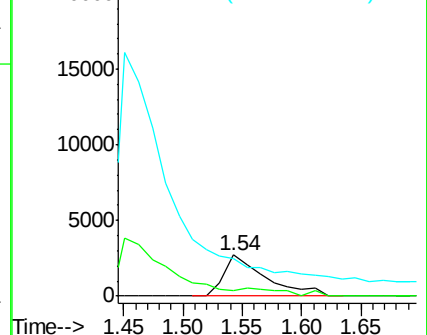
43 0.0 26.6 40.0#

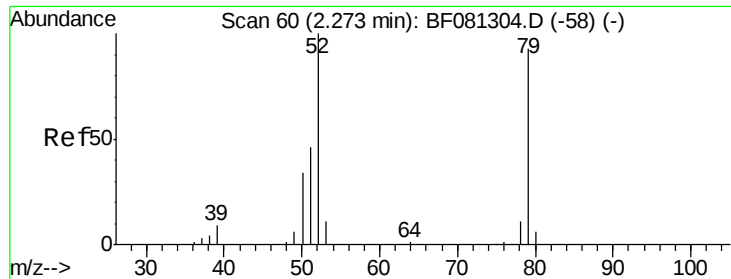


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 61.20 ng

RT: 2.07 min Scan# 64

Delta R.T. -0.01 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

Instrument :

BNA_F

ClientSampleId :

MGP203(2-4)

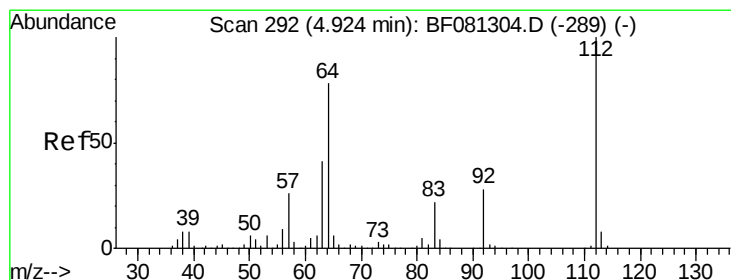
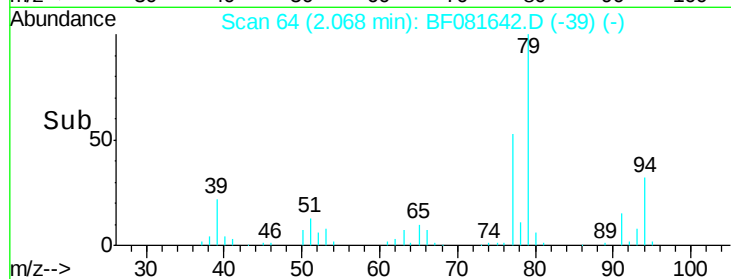
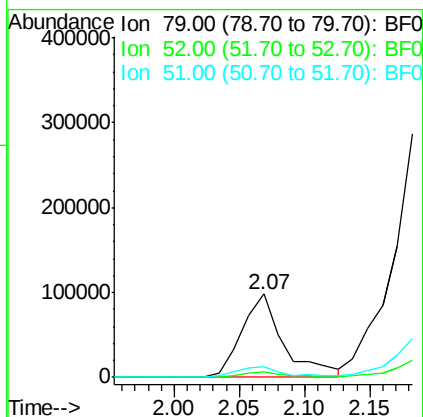
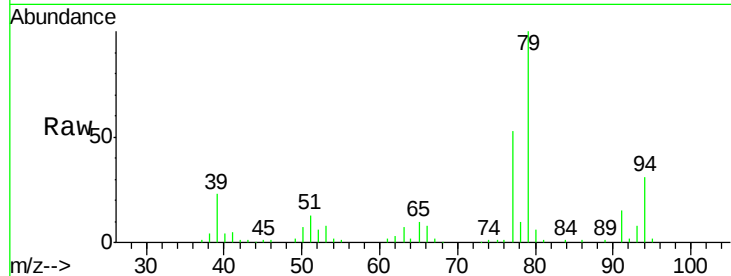
Tgt Ion: 79 Resp: 215643

Ion Ratio Lower Upper

79 100

52 6.3 76.8 115.2#

51 13.4 32.2 48.4#



#5

2-Fluorophenol

Concen: 111.81 ng

RT: 5.37 min Scan# 353

Delta R.T. 0.02 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

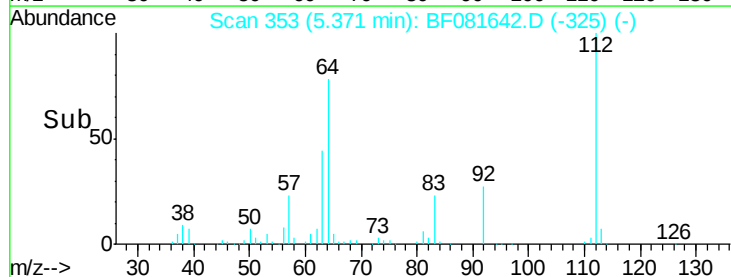
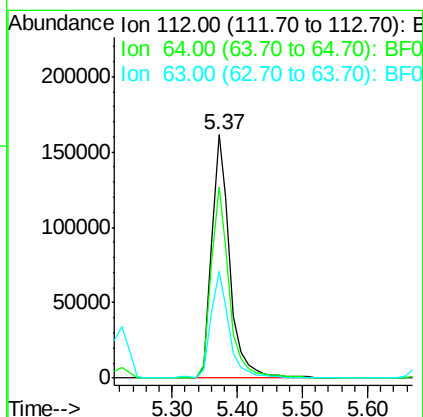
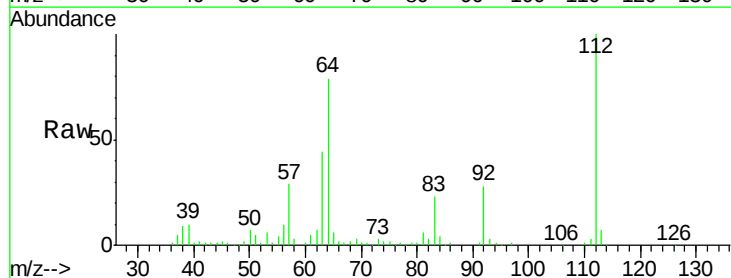
Tgt Ion: 112 Resp: 318099

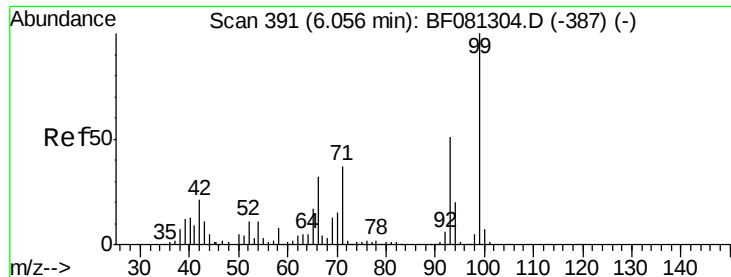
Ion Ratio Lower Upper

112 100

64 78.7 39.7 59.5#

63 44.1 17.4 26.0#





#7

Phenol-d6

Concen: 117.19 ng

RT: 7.67 min Scan# 554

Delta R.T. 0.02 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

Instrument :

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MGP203(2-4)

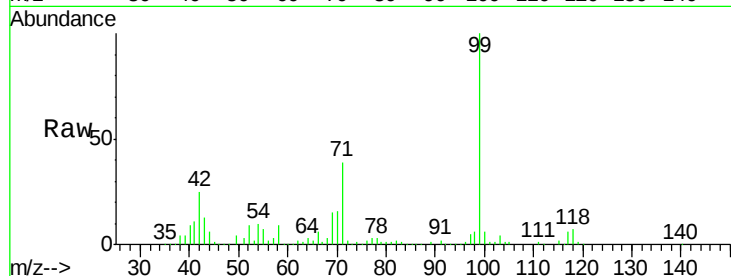
Tgt Ion: 99 Resp: 441310

Ion Ratio Lower Upper

99 100

42 24.6 13.7 20.5#

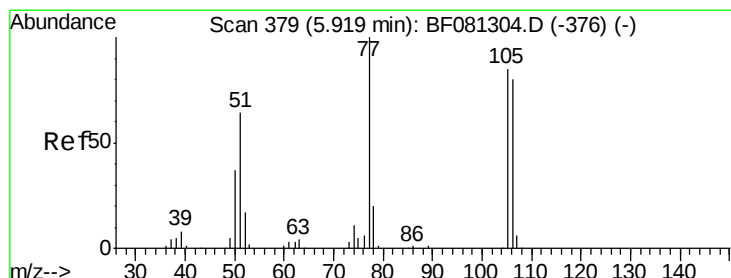
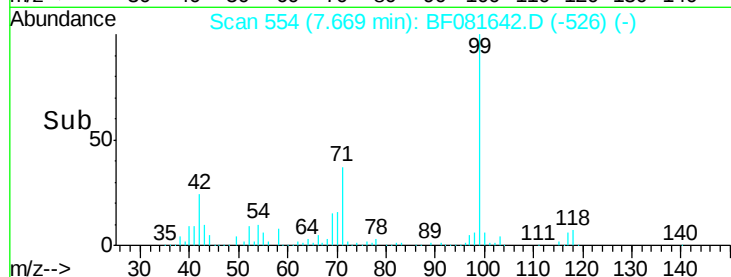
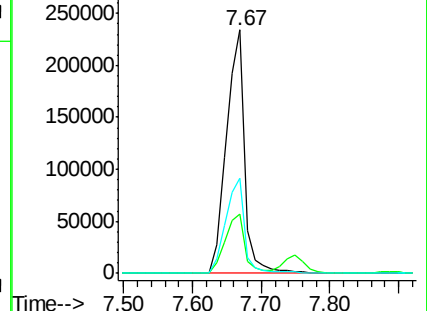
71 38.9 14.2 21.2#



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: 26.90 ng

RT: 7.27 min Scan# 519

Delta R.T. 0.03 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

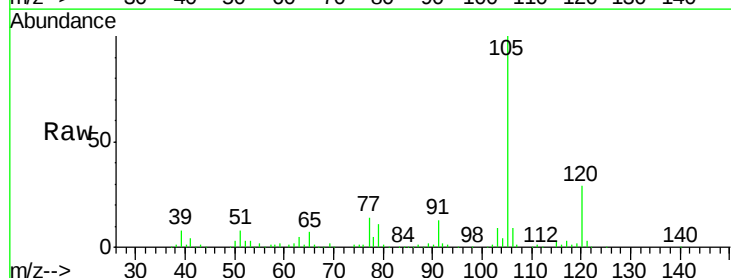
Tgt Ion: 77 Resp: 63472

Ion Ratio Lower Upper

77 100

105 729.2 91.6 131.6#

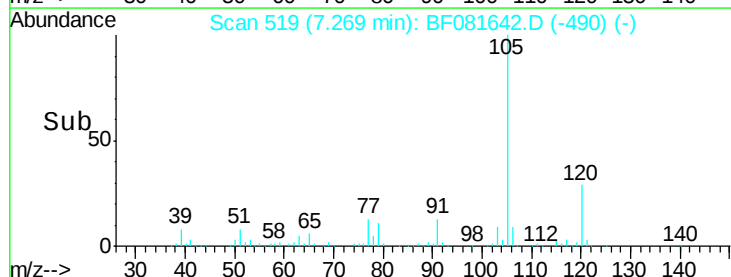
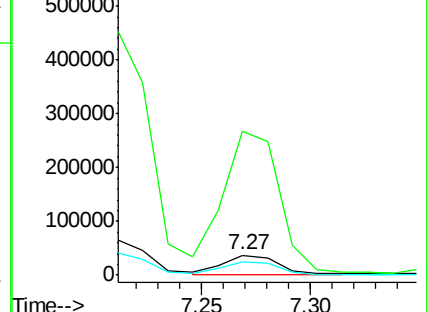
106 65.2 102.6 142.6#

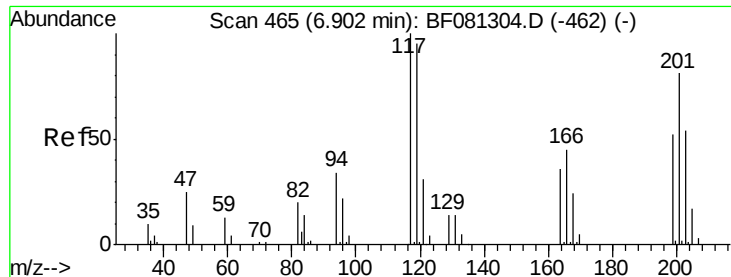


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#18

Hexachloroethane

Concen: 19.29 ng

RT: 9.35 min Scan# 701

Delta R.T. 0.03 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

Instrument :

BNA_F

ClientSampleId :

MGP203(2-4)

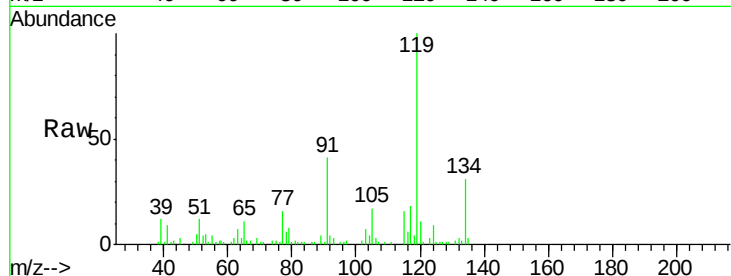
Tgt Ion:117 Resp: 25595

Ion Ratio Lower Upper

117 100

119 545.9 83.8 125.6#

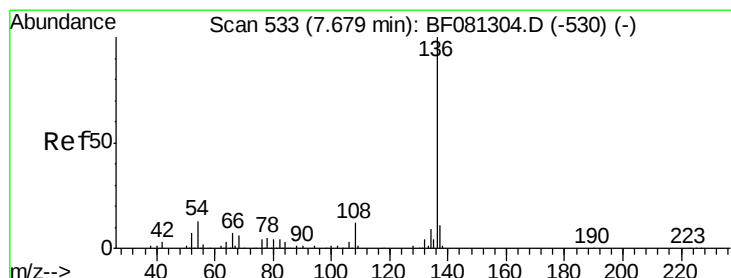
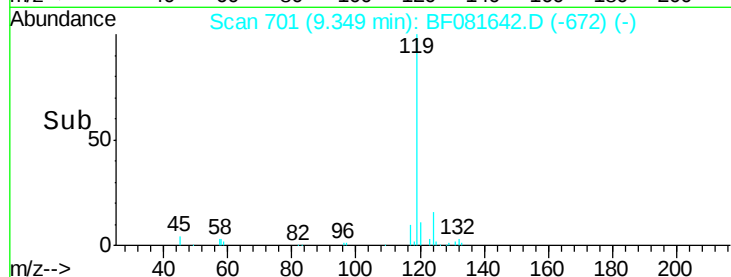
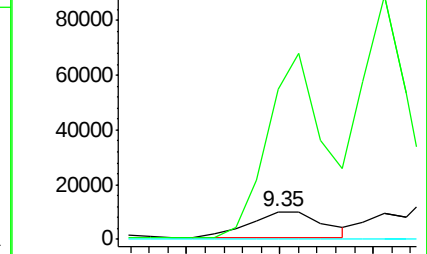
201 0.0 55.1 82.7#



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.27 min Scan# 869

Delta R.T. 0.15 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

Tgt Ion:136 Resp: 64430

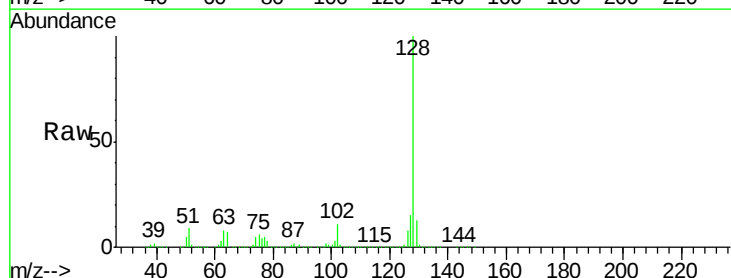
Ion Ratio Lower Upper

136 100

137 11.5 9.0 13.6

54 14.8 8.2 12.2#

68 9.8 5.8 8.6#

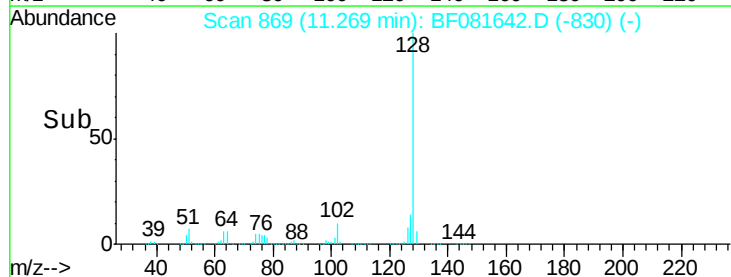
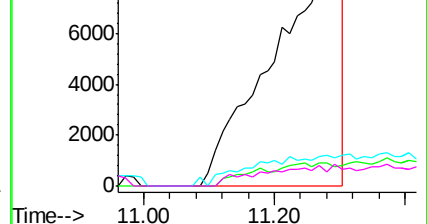


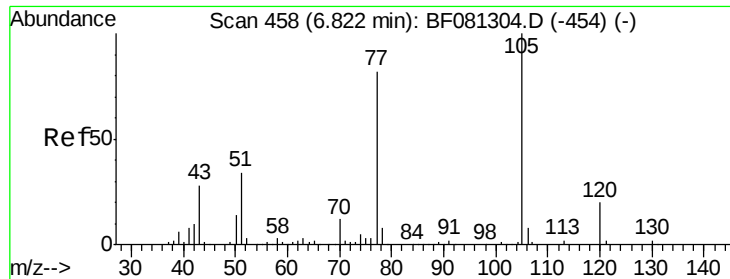
Abundance Ion 136.00 (135.70 to 136.70): E

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





#22

Acetophenone

Concen: 9.63 ng

RT: 9.36 min Scan# 702

Delta R.T. 0.15 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

Instrument :

BNA_F

ClientSampleId :

MGP203(2-4)

Tgt Ion: 105 Resp: 16954

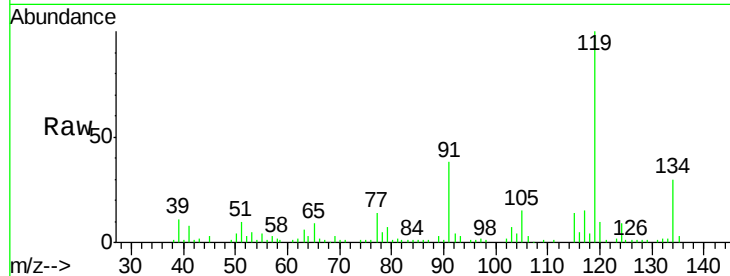
Ion Ratio Lower Upper

105 100

71 4.7 4.7 7.1#

51 64.2 22.0 33.0#

120 67.6 30.1 45.1#

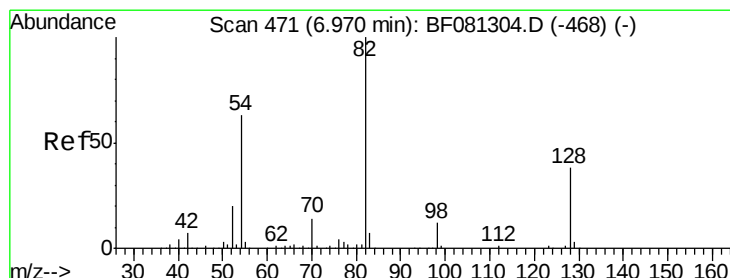
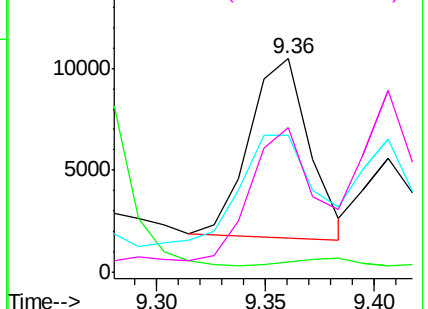
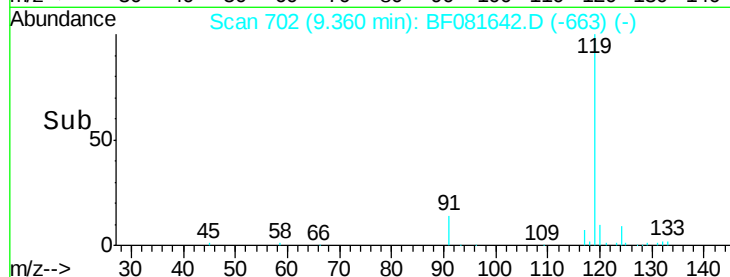


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 218.84 ng

RT: 9.54 min Scan# 718

Delta R.T. 0.01 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

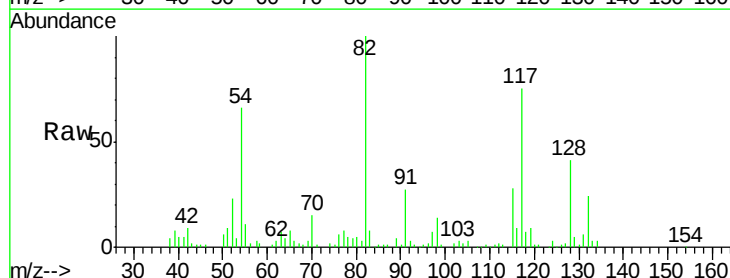
Tgt Ion: 82 Resp: 292246

Ion Ratio Lower Upper

82 100

128 41.2 51.0 76.6#

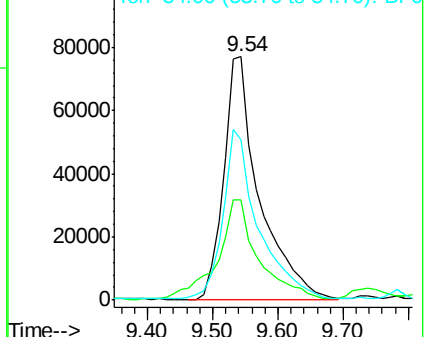
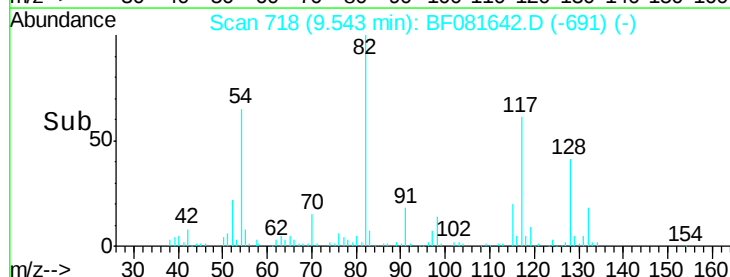
54 66.1 47.5 71.3

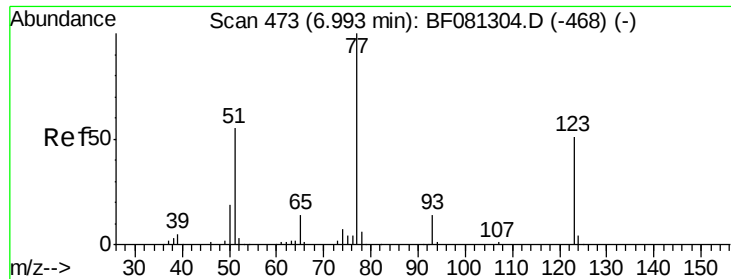


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

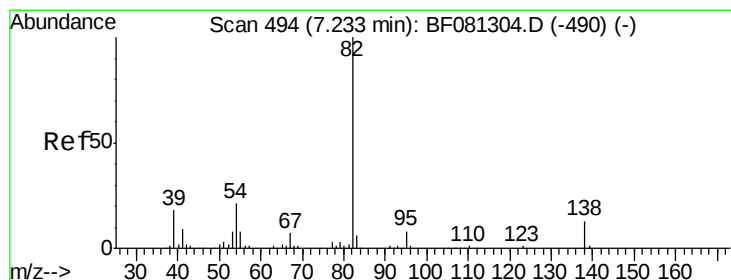
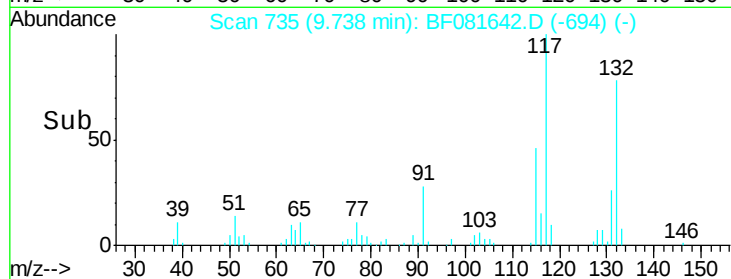
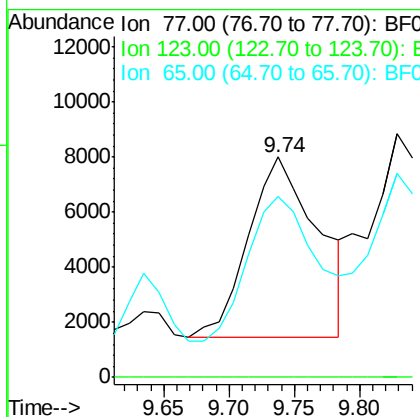
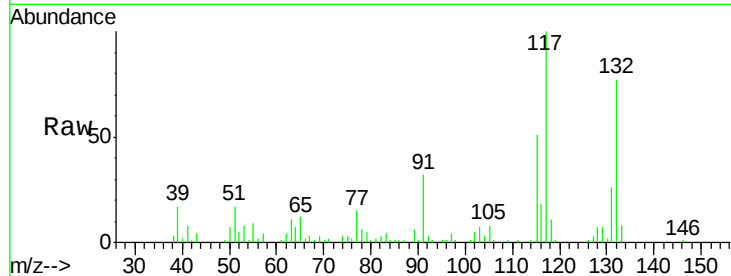




#24
 Nitrobenzene
 Concen: 17.63 ng
 RT: 9.74 min Scan# 735
 Delta R.T. 0.17 min
 Lab File: BF081642.D
 Acq: 15 Sep 2015 22:51

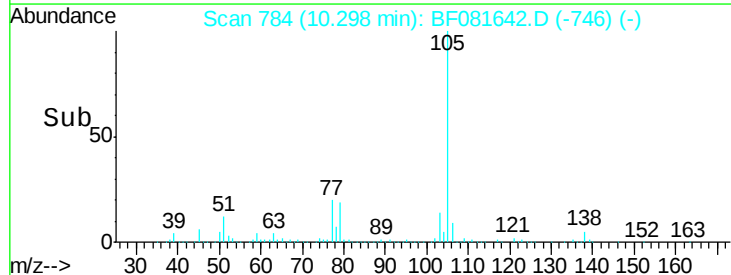
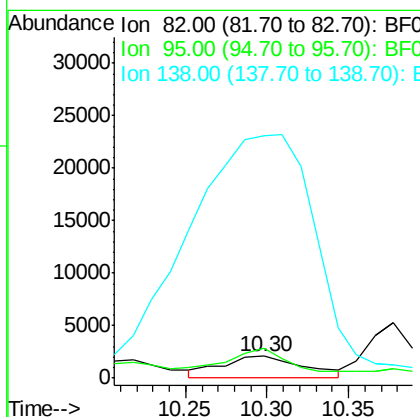
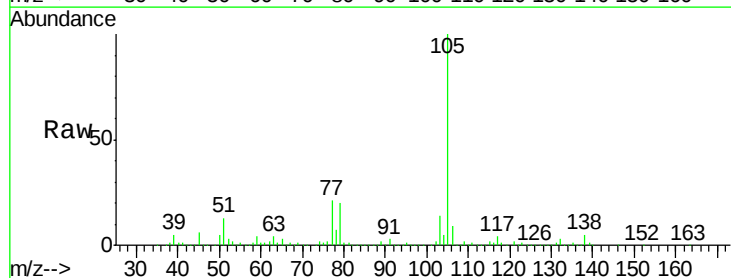
Instrument :
 BNA_F
 ClientSampled :
 MGP203(2-4)

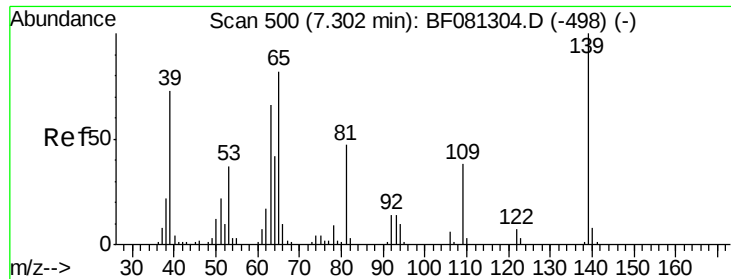
Tgt Ion: 77 Resp: 24445
 Ion Ratio Lower Upper
 77 100
 123 0.0 59.8 89.8#
 65 82.2 10.2 15.4#



#25
 Isophorone
 Concen: 2.98 ng
 RT: 10.30 min Scan# 784
 Delta R.T. 0.14 min
 Lab File: BF081642.D
 Acq: 15 Sep 2015 22:51

Tgt Ion: 82 Resp: 7410
 Ion Ratio Lower Upper
 82 100
 95 139.5 4.0 6.0#
 138 1115.6 18.3 27.5#





#26

2-Nitrophenol

Concen: 21.35 ng

RT: 10.31 min Scan# 785

Delta R.T. 0.01 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

Instrument :

BNA_F

ClientSampleId :

MGP203(2-4)

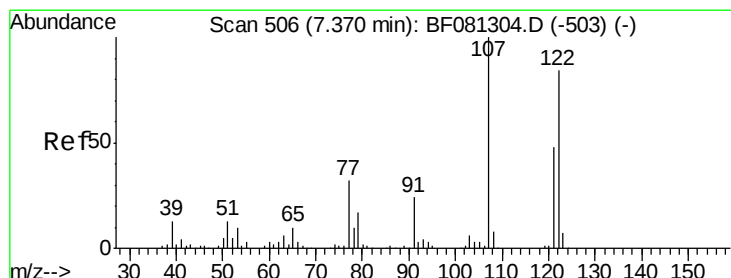
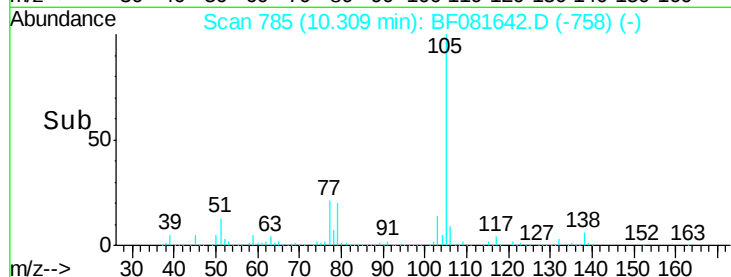
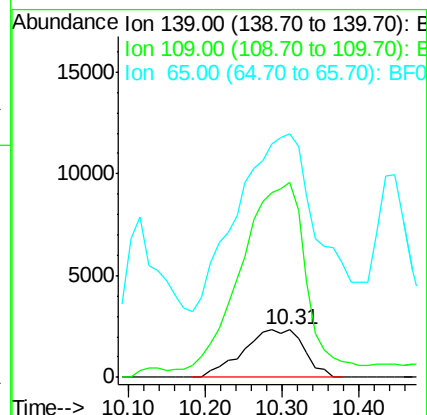
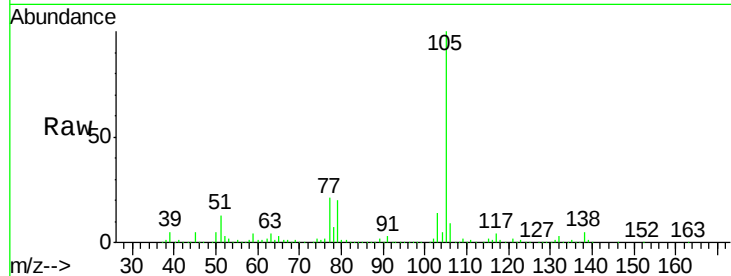
Tgt Ion:139 Resp: 12907

Ion Ratio Lower Upper

139 100

109 409.2 11.0 16.4#

65 511.0 24.7 37.1#



#27

2,4-Dimethylphenol

Concen: 2.59 ng

RT: 10.67 min Scan# 817

Delta R.T. 0.10 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

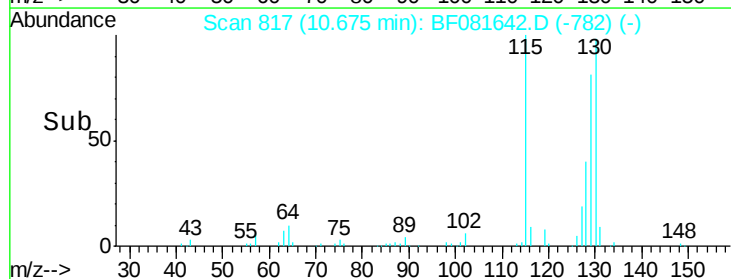
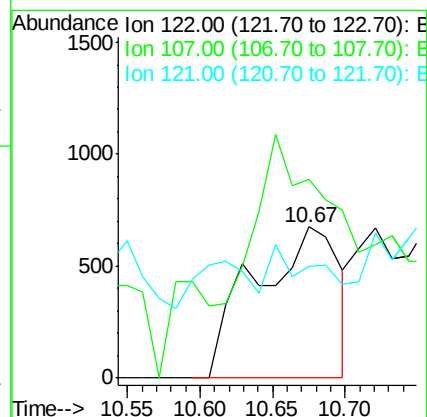
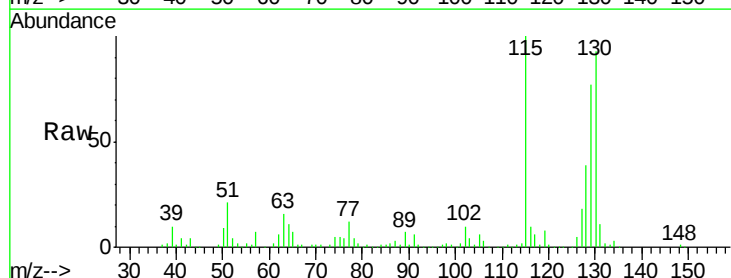
Tgt Ion:122 Resp: 2703

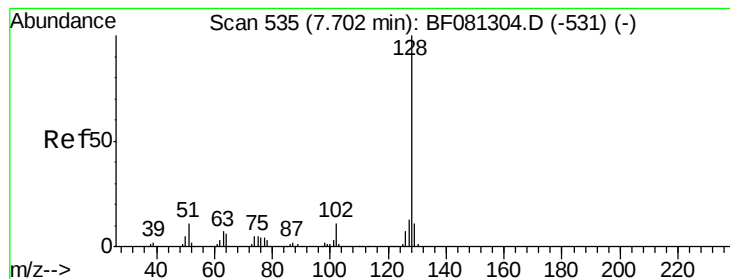
Ion Ratio Lower Upper

122 100

107 131.8 71.8 107.6#

121 73.5 42.3 63.5#





#31

Naphthalene

Concen: 15141.17 ng

RT: 11.52 min Scan# 891

Delta R.T. 0.35 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

Instrument :

BNA_F

ClientSampleId :

MGP203(2-4)

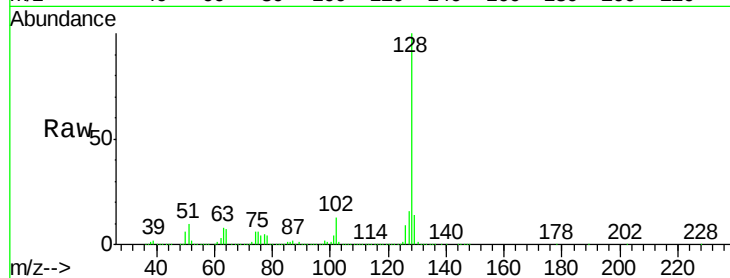
Tgt Ion:128 Resp:52027091

Ion Ratio Lower Upper

128 100

129 13.7 8.4 12.6#

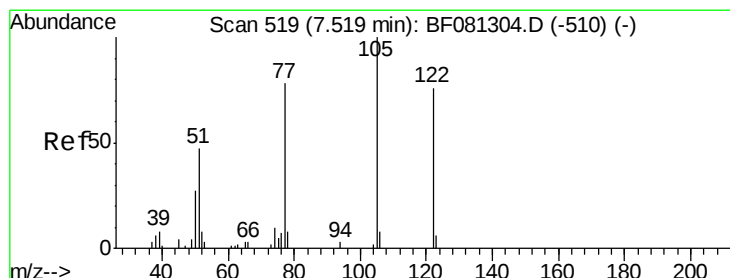
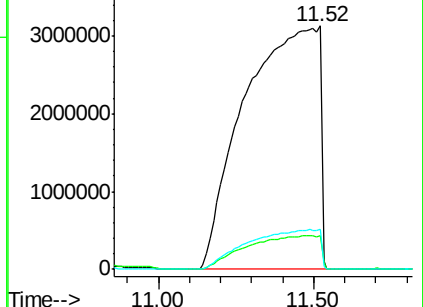
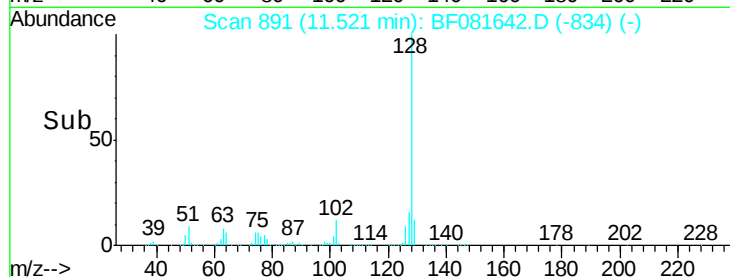
127 16.5 9.9 14.9#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 168.24 ng

RT: 11.47 min Scan# 887

Delta R.T. 0.39 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

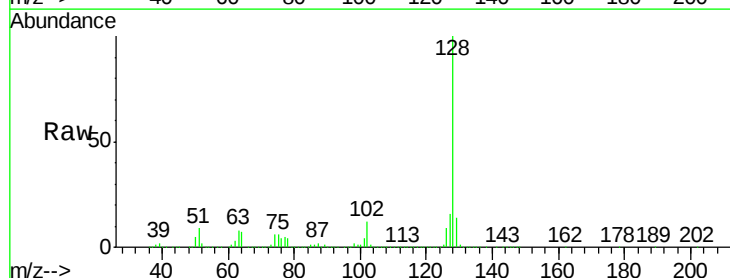
Tgt Ion:122 Resp: 130409

Ion Ratio Lower Upper

122 100

105 76.0 76.1 116.1#

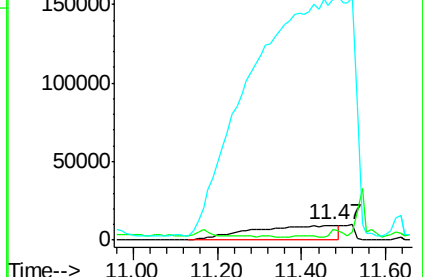
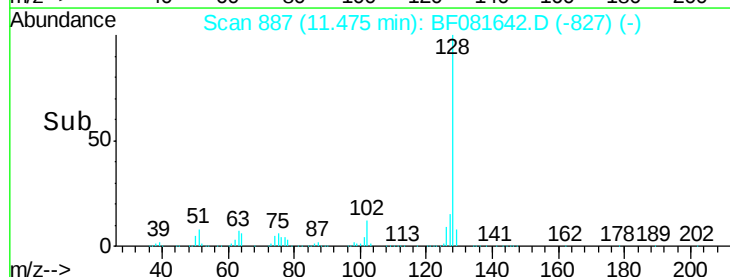
77 1647.9 40.5 80.5#

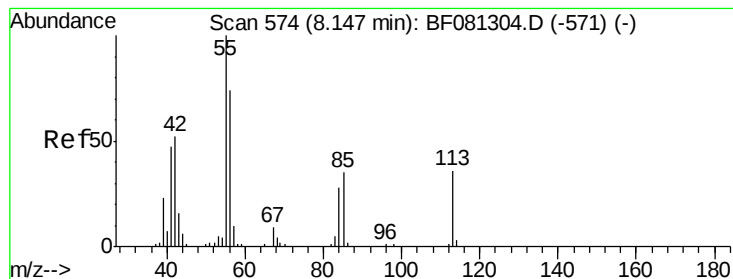


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#35

Caprolactam

Concen: 7.75 ng

RT: 12.55 min Scan# 981

Delta R.T. 0.16 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

Instrument :

BNA_F

ClientSampleId :

MGP203(2-4)

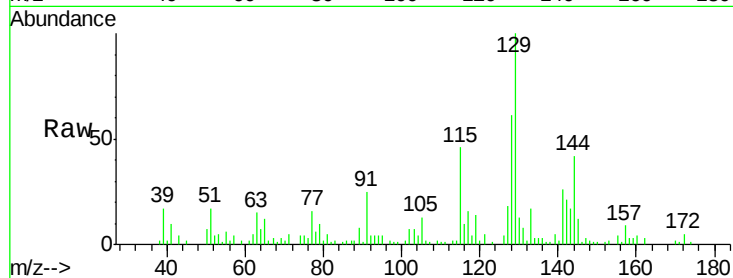
Tgt Ion:113 Resp: 2151

Ion Ratio Lower Upper

113 100

55 263.9 152.4 192.4#

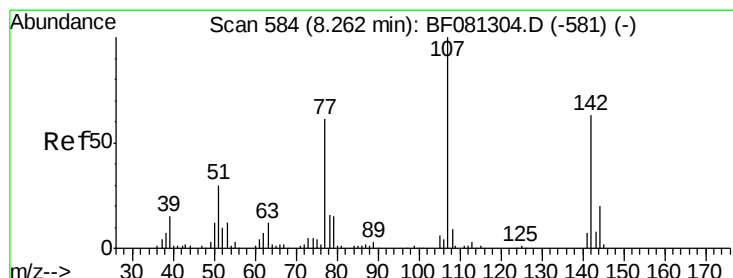
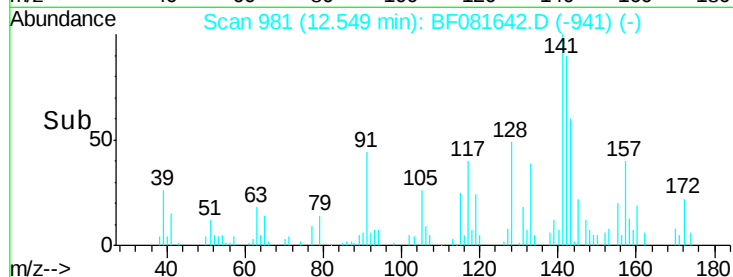
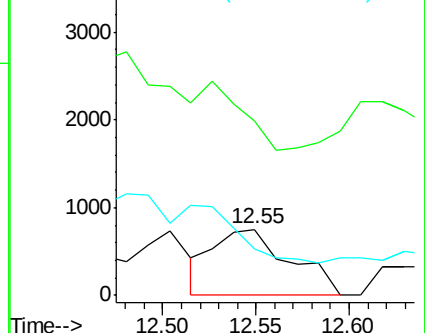
56 70.0 104.6 144.6#



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



#36

4-Chloro-3-methylphenol

Concen: 4.23 ng

RT: 12.85 min Scan# 1007

Delta R.T. 0.13 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

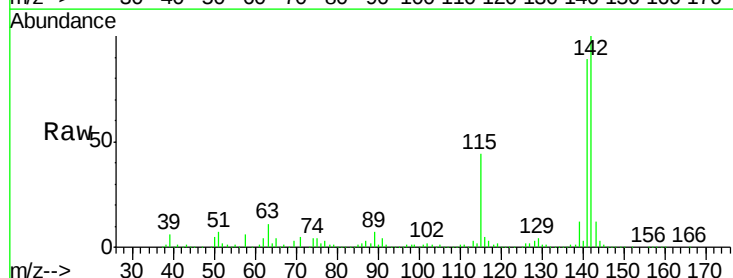
Tgt Ion:107 Resp: 4283

Ion Ratio Lower Upper

107 100

144 628.4 25.4 38.0#

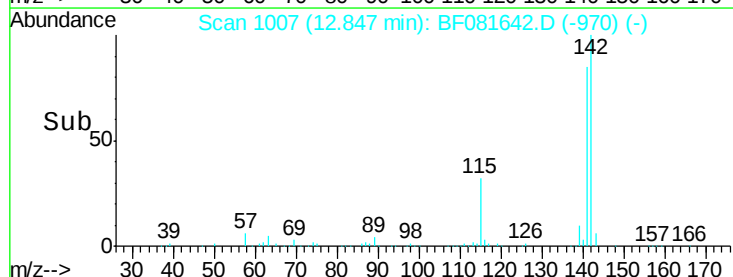
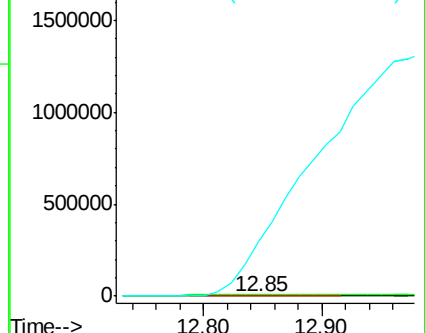
142 20814.8 77.3 115.9#

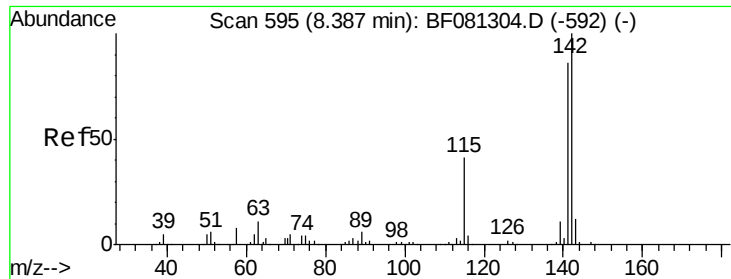


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 4955.52 ng

RT: 13.02 min Scan# 1022

Delta R.T. 0.19 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

Instrument :

BNA_F

ClientSampleId :

MGP203(2-4)

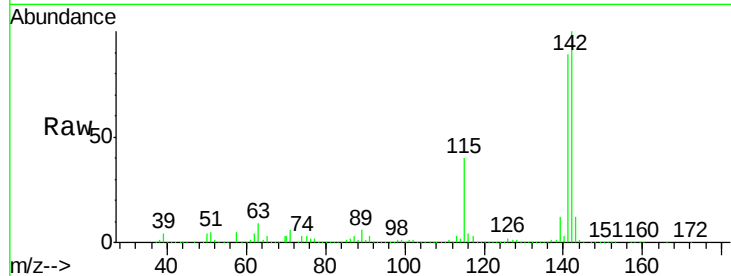
Tgt Ion:142 Resp:11081013

Ion Ratio Lower Upper

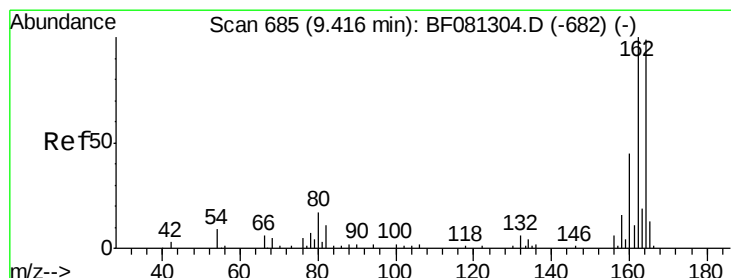
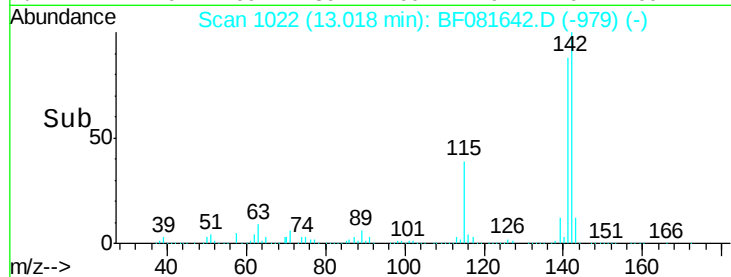
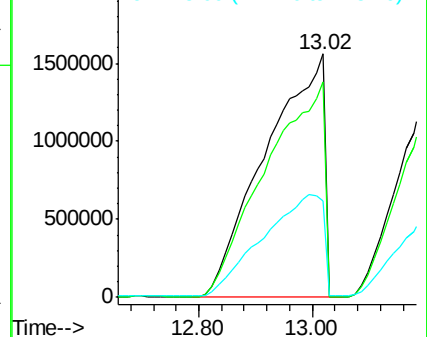
142 100

141 88.5 67.5 101.3

115 39.8 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: 15.28 min Scan# 1220

Delta R.T. 0.02 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

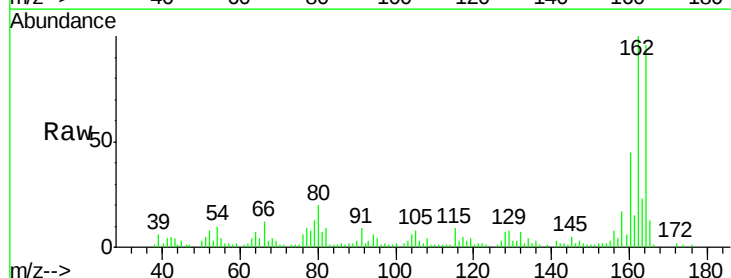
Tgt Ion:164 Resp: 74530

Ion Ratio Lower Upper

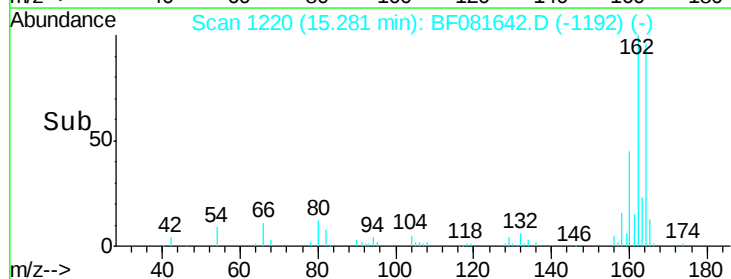
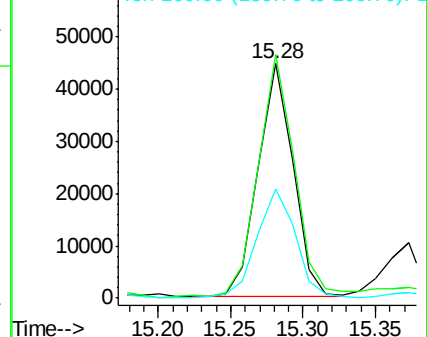
164 100

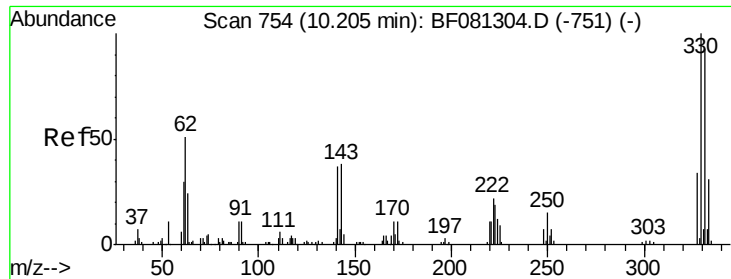
162 104.0 75.2 112.8

160 46.9 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

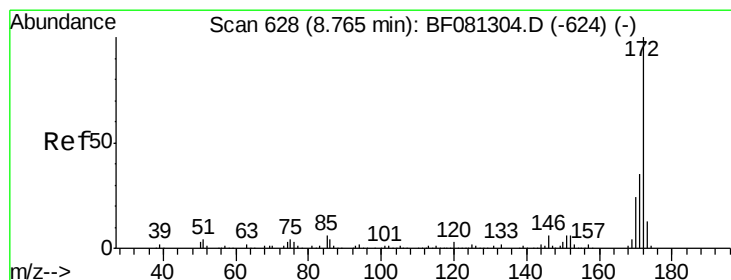
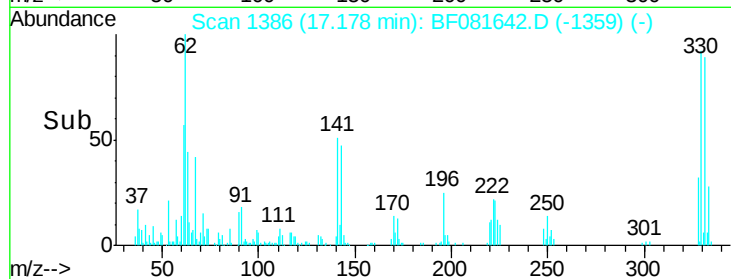
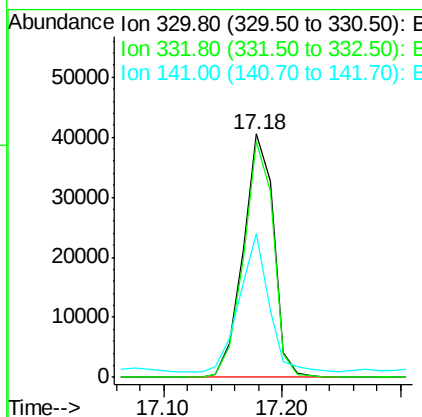
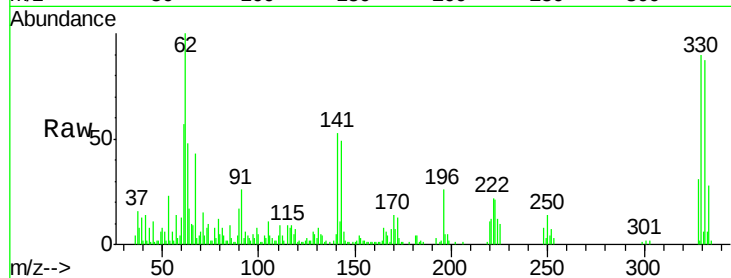




#41
 2,4,6-Tribromophenol
 Concen: 109.45 ng
 RT: 17.18 min Scan# 1386
 Delta R.T. 0.01 min
 Lab File: BF081642.D
 Acq: 15 Sep 2015 22:51

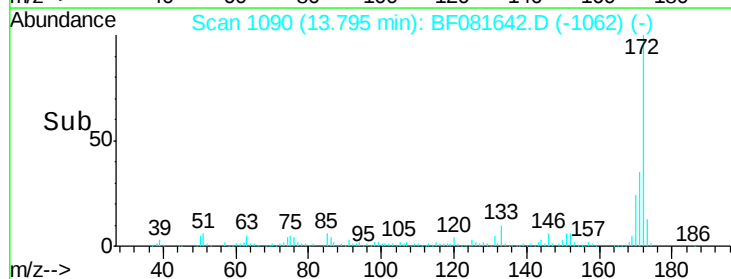
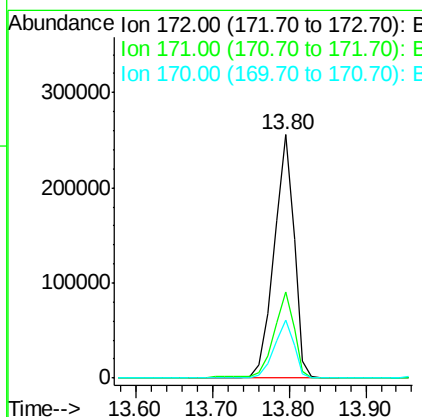
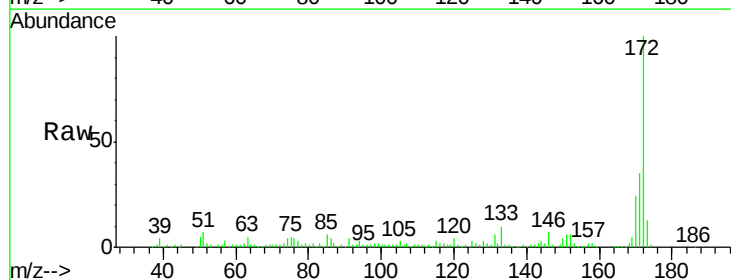
Instrument :
 BNA_F
 ClientSampleId :
 MGP203(2-4)

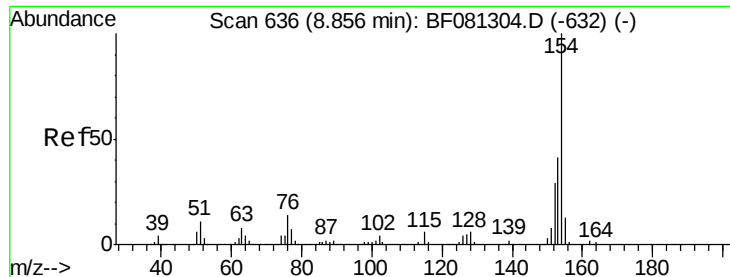
Tgt Ion:330 Resp: 72635
 Ion Ratio Lower Upper
 330 100
 332 95.1 76.6 114.8
 141 54.4 29.7 44.5#



#44
 2-Fluorobiphenyl
 Concen: 79.64 ng
 RT: 13.80 min Scan# 1090
 Delta R.T. 0.02 min
 Lab File: BF081642.D
 Acq: 15 Sep 2015 22:51

Tgt Ion:172 Resp: 463184
 Ion Ratio Lower Upper
 172 100
 171 35.4 26.1 39.1
 170 24.0 17.4 26.2

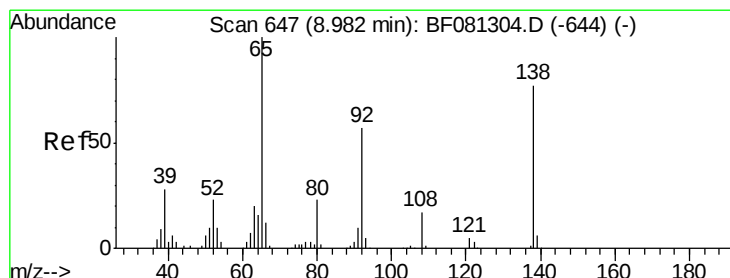
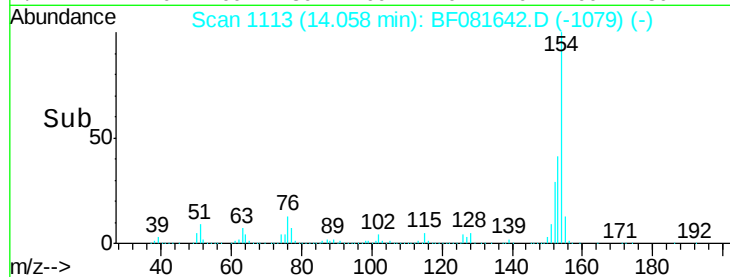
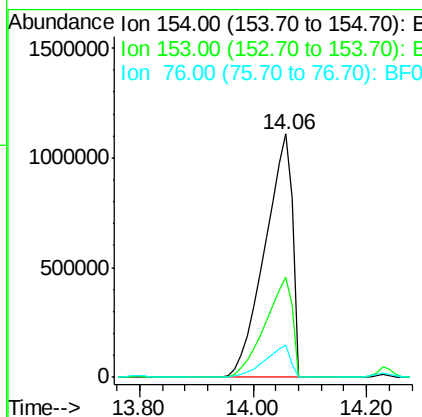
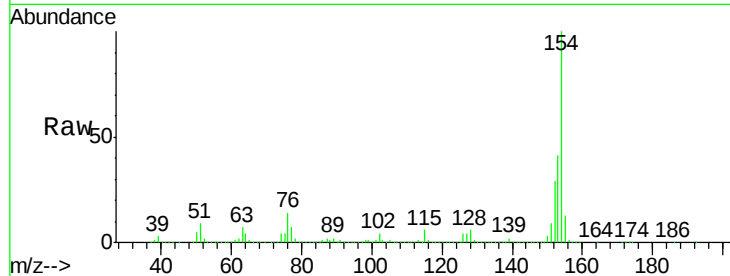




#45
 1,1'-Biphenyl
 Concen: 547.31 ng
 RT: 14.06 min Scan# 1113
 Delta R.T. 0.09 min
 Lab File: BF081642.D
 Acq: 15 Sep 2015 22:51

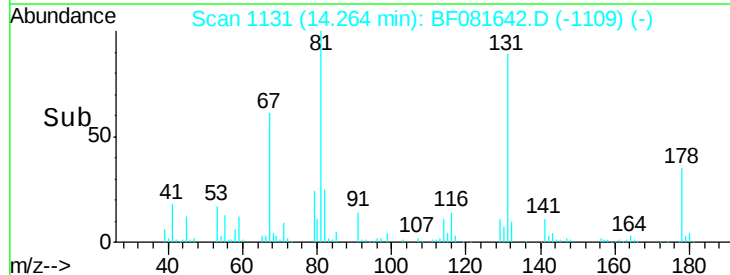
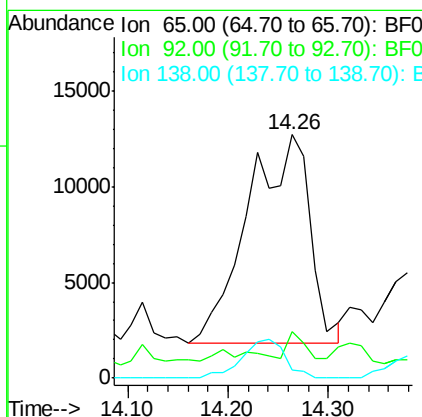
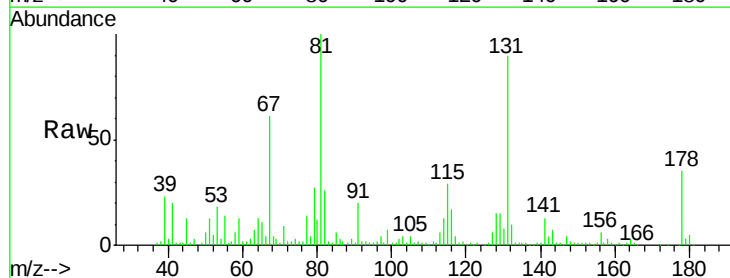
Instrument :
 BNA_F
 ClientSampleId :
 MGP203(2-4)

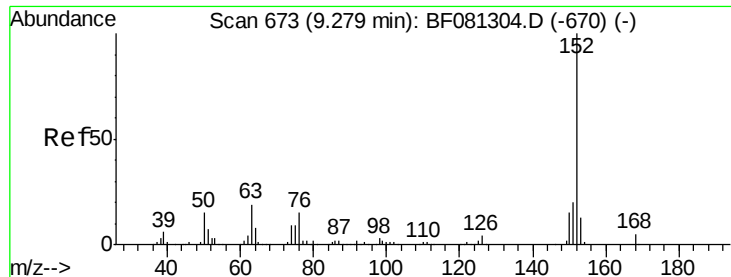
Tgt Ion:154 Resp: 3752814
 Ion Ratio Lower Upper
 154 100
 153 41.2 17.1 57.1
 76 13.5 0.0 31.6



#47
 2-Nitroaniline
 Concen: 22.96 ng
 RT: 14.26 min Scan# 1131
 Delta R.T. -0.05 min
 Lab File: BF081642.D
 Acq: 15 Sep 2015 22:51

Tgt Ion: 65 Resp: 46328
 Ion Ratio Lower Upper
 65 100
 92 19.3 55.4 83.0#
 138 3.3 115.5 173.3#





#48

Acenaphthylene

Concen: 138.26 ng

RT: 14.97 min Scan# 1193

Delta R.T. 0.06 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

Instrument :

BNA_F

ClientSampleId :

MGP203(2-4)

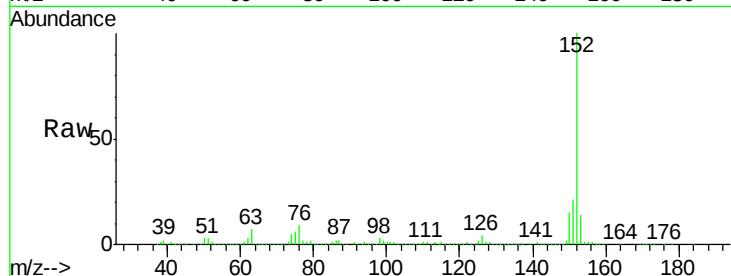
Tgt Ion:152 Resp: 1214611

Ion Ratio Lower Upper

152 100

151 20.6 14.6 22.0

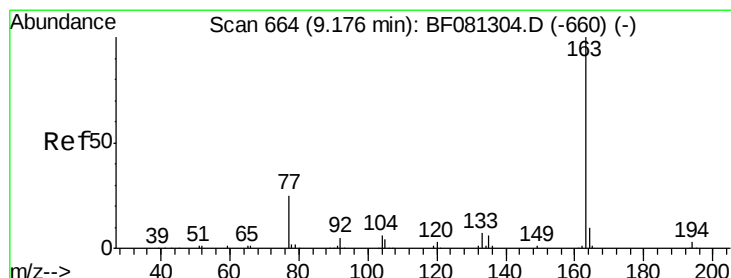
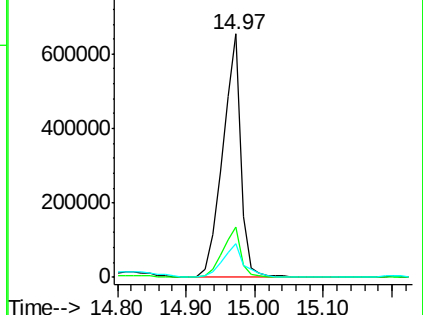
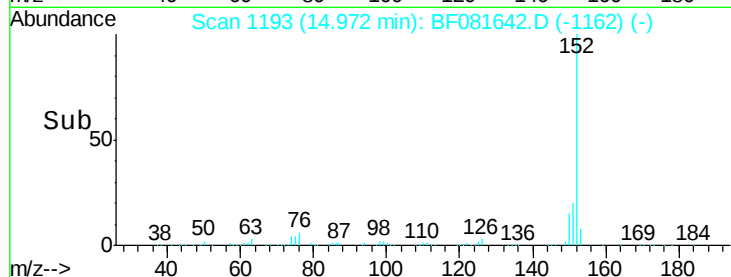
153 13.6 10.3 15.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 11.29 ng

RT: 14.85 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

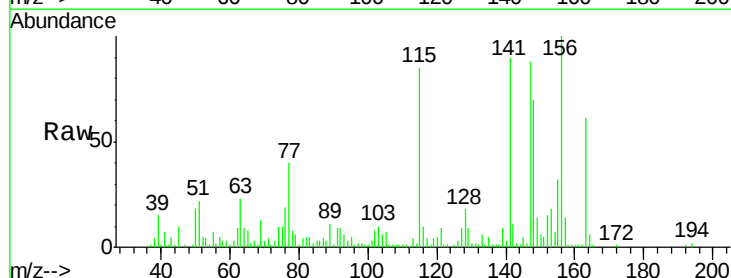
Tgt Ion:163 Resp: 65392

Ion Ratio Lower Upper

163 100

194 3.5 4.4 6.6#

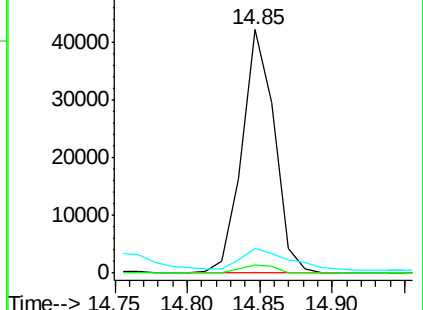
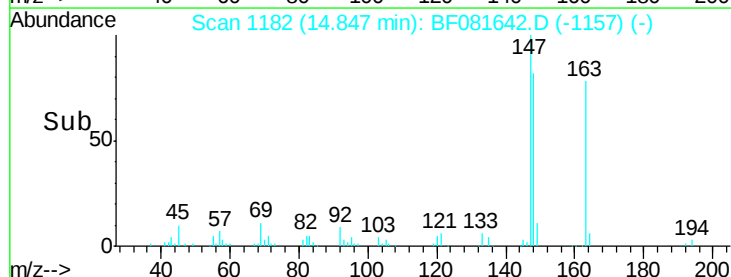
164 10.3 8.3 12.5

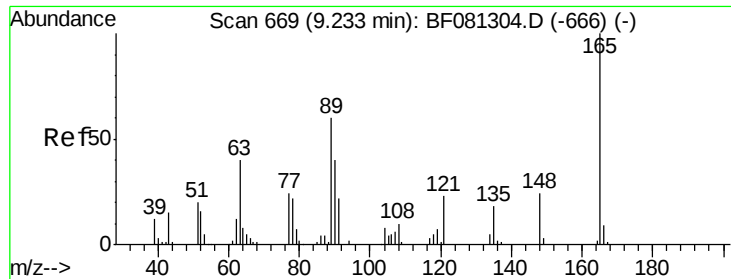


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

2,6-Dinitrotoluene

Concen: 3.27 ng

RT: 15.03 min Scan# 1198

Delta R.T. 0.08 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

Instrument :

BNA_F

ClientSampleId :

MGP203(2-4)

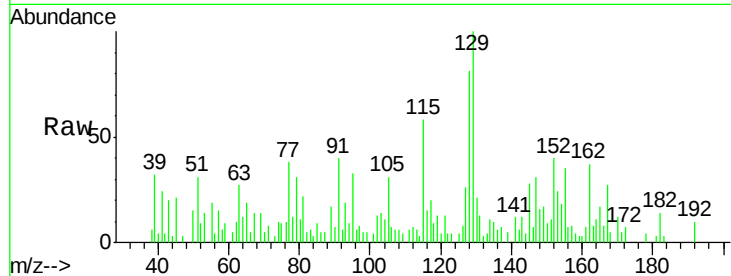
Tgt Ion:165 Resp: 4292

Ion Ratio Lower Upper

165 100

63 160.3 32.3 48.5#

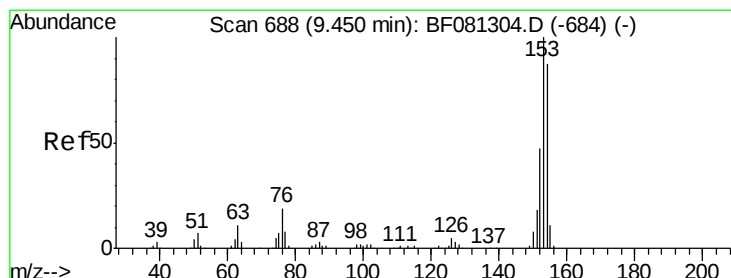
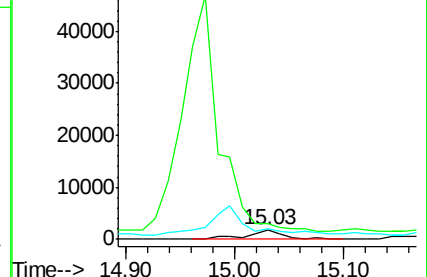
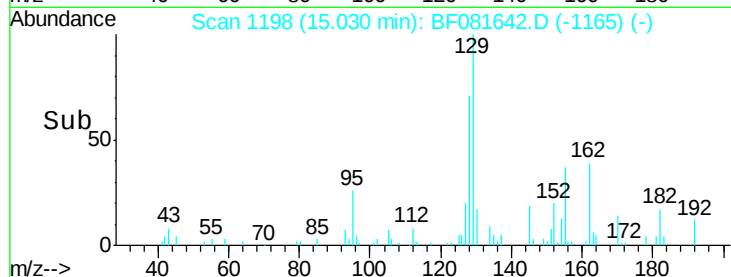
89 104.5 28.6 43.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#51

Acenaphthene

Concen: 97.06 ng

RT: 15.37 min Scan# 1228

Delta R.T. 0.03 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

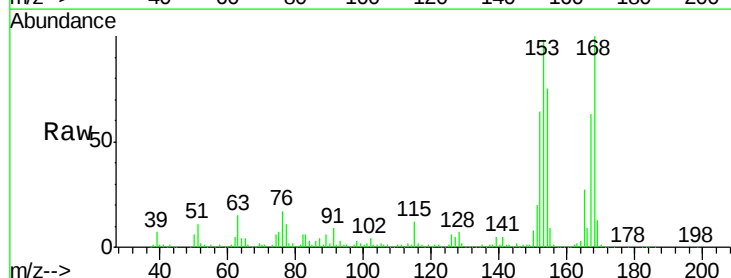
Tgt Ion:154 Resp: 485068

Ion Ratio Lower Upper

154 100

153 131.5 82.1 123.1#

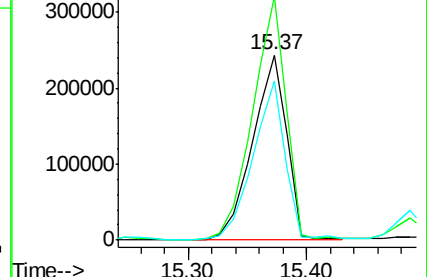
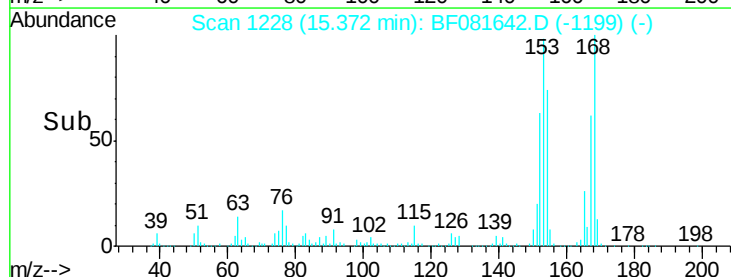
152 85.7 37.9 56.9#

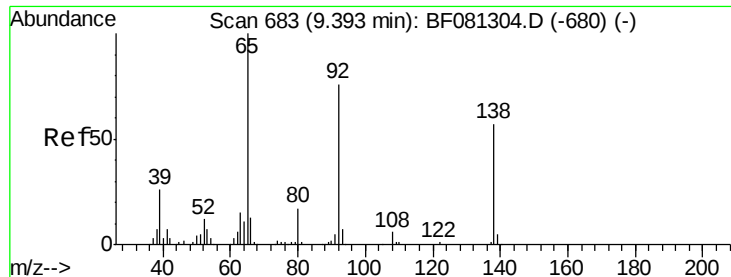


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#52

3-Nitroaniline

Concen: 2.05 ng

RT: 15.37 min Scan# 1228

Delta R.T. 0.06 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

Instrument :

BNA_F

ClientSampleId :

MGP203(2-4)

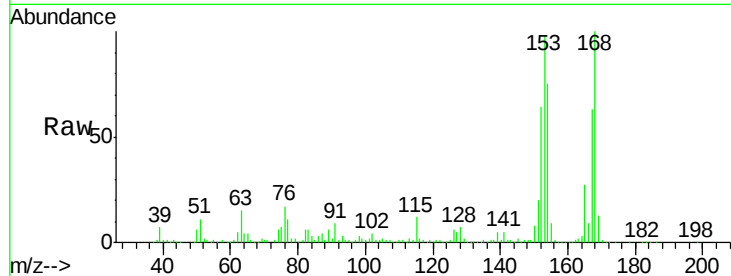
Tgt Ion:138 Resp: 3062

Ion Ratio Lower Upper

138 100

108 40.2 5.7 8.5#

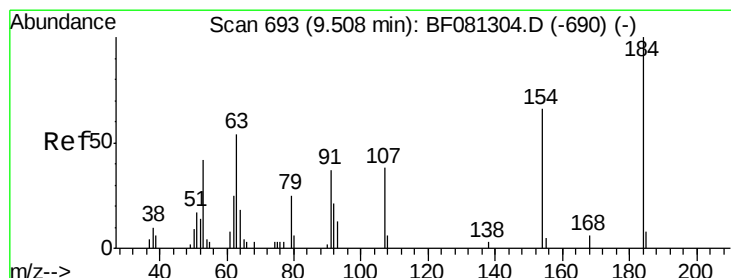
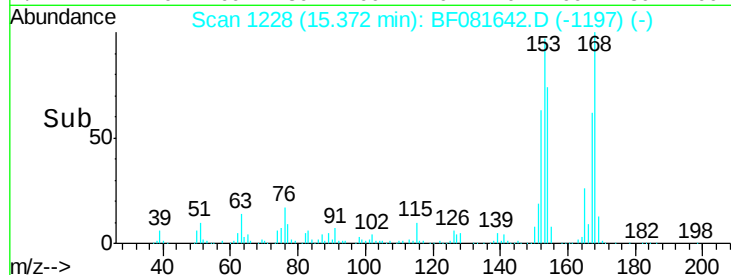
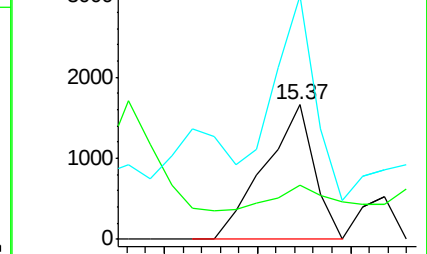
92 181.3 67.7 101.5#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0



#53

2,4-Dinitrophenol

Concen: 7.08 ng

RT: 15.68 min Scan# 1255

Delta R.T. 0.09 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

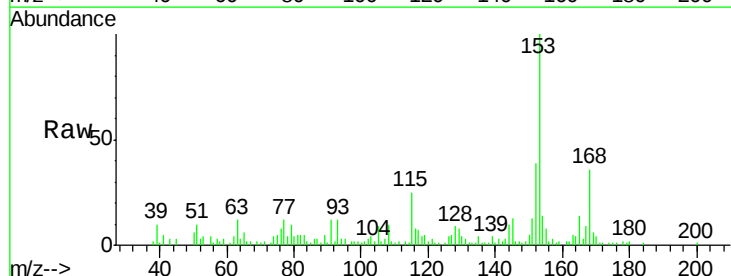
Tgt Ion:184 Resp: 257

Ion Ratio Lower Upper

184 100

63 1276.0 35.4 53.2#

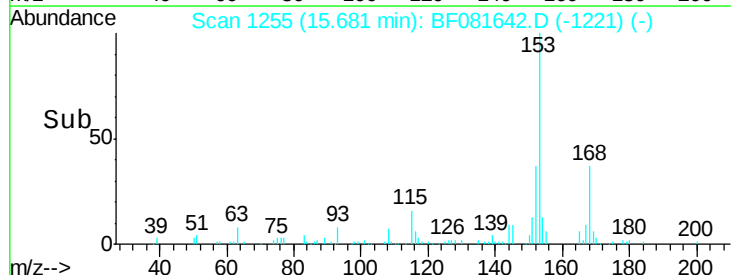
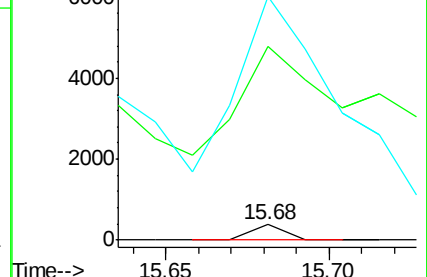
154 1605.1 32.2 48.4#

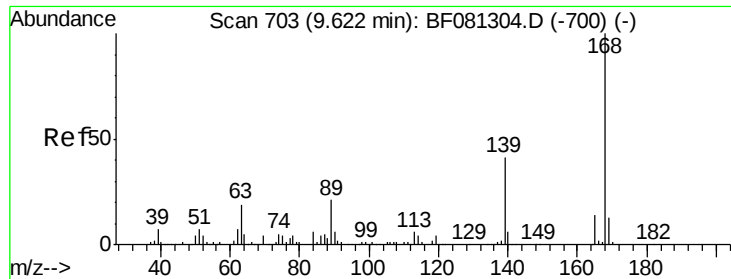


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 4.42 ng

RT: 15.77 min Scan# 1263

Delta R.T. 0.01 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

Instrument :

BNA_F

ClientSampleId :

MGP203(2-4)

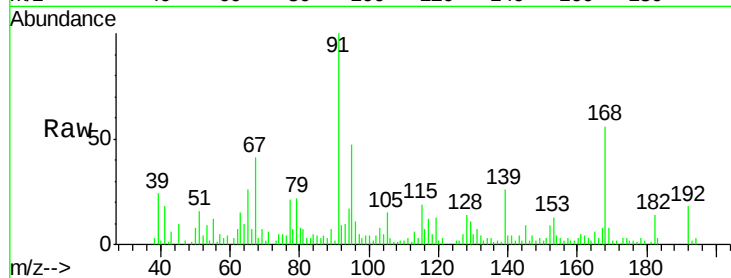
Tgt Ion:168 Resp: 32234

Ion Ratio Lower Upper

168 100

139 45.3 24.2 36.2#

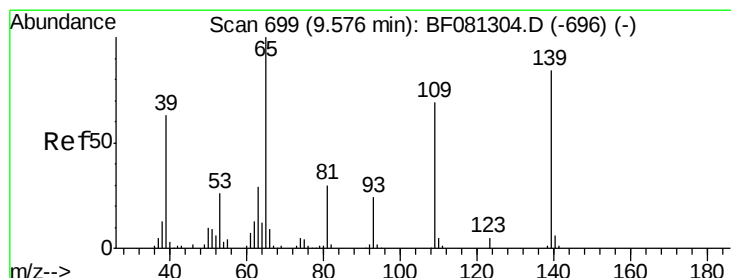
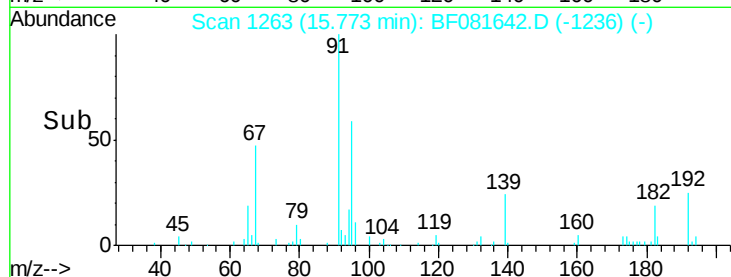
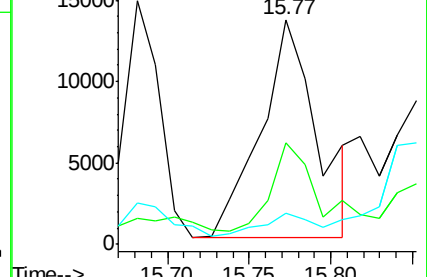
169 14.0 10.6 15.8



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: 3.32 ng

RT: 15.93 min Scan# 1277

Delta R.T. 0.01 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

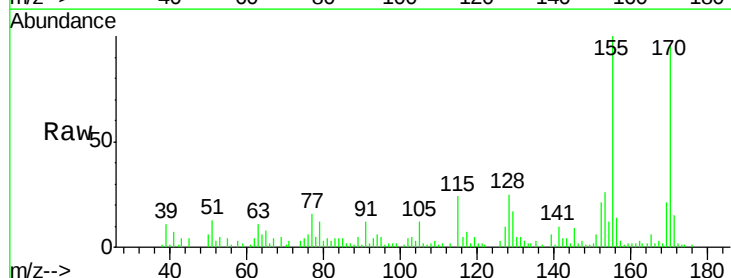
Tgt Ion:139 Resp: 3118

Ion Ratio Lower Upper

139 100

109 41.3 12.7 52.7

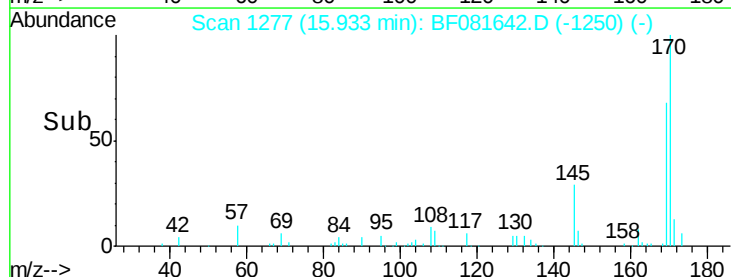
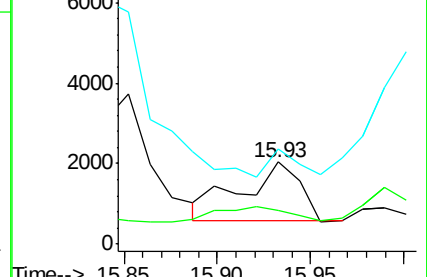
65 115.9 45.9 85.9#

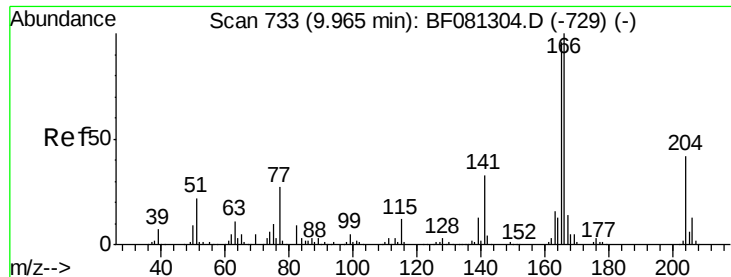


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

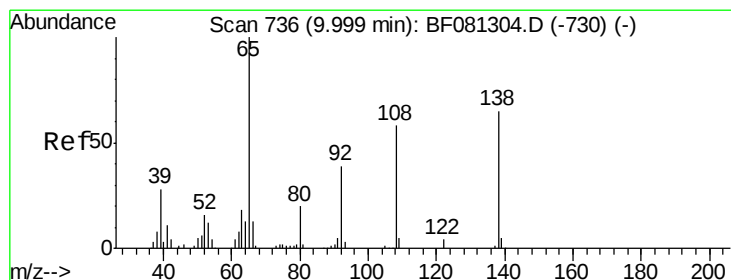
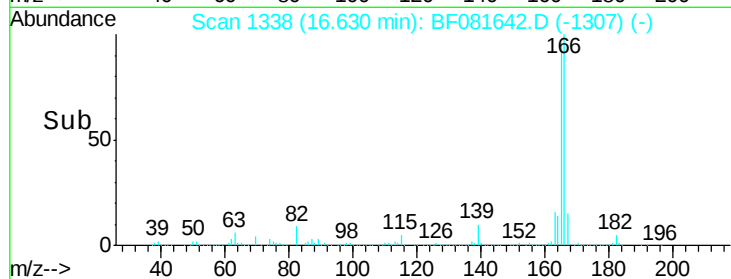
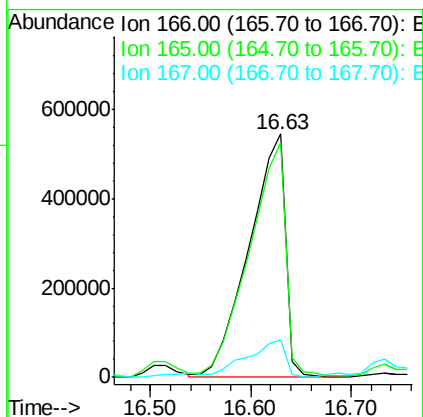
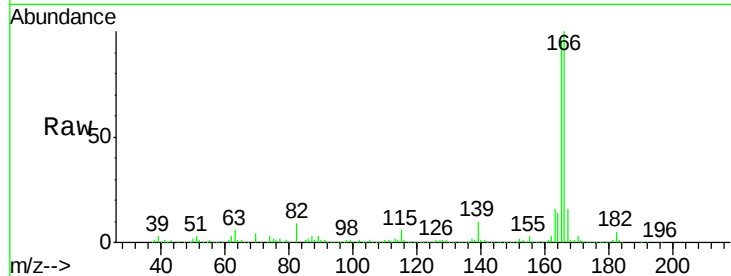




#57
Fluorene
 Concen: 245.65 ng
 RT: 16.63 min Scan# 1338
 Delta R.T. 0.06 min
 Lab File: BF081642.D
 Acq: 15 Sep 2015 22:51

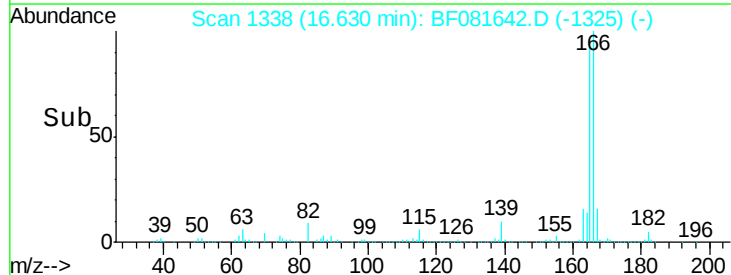
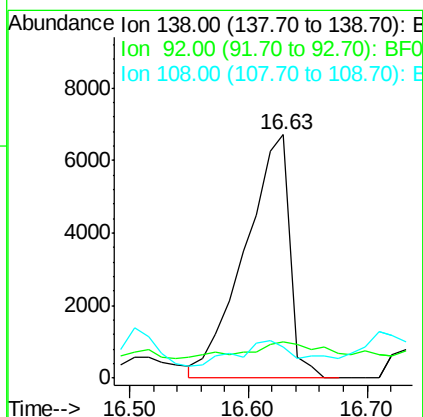
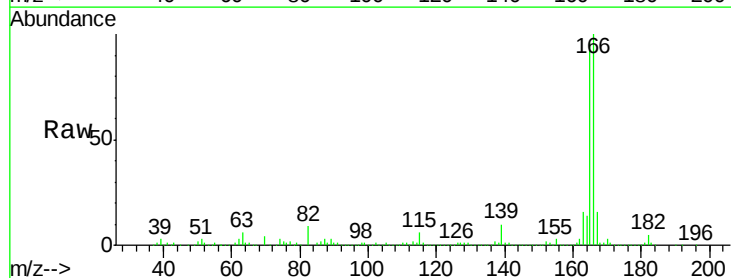
Instrument :
 BNA_F
 ClientSampleId :
 MGP203(2-4)

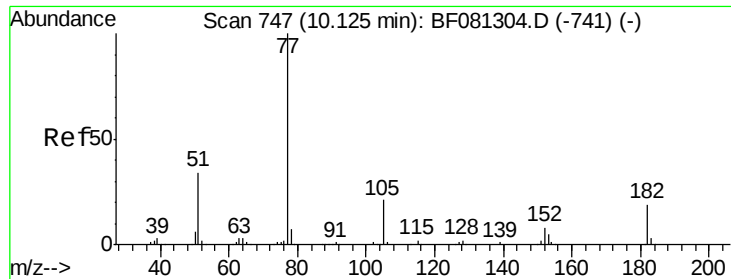
Tgt Ion:166 Resp: 1360305
 Ion Ratio Lower Upper
 166 100
 165 96.4 72.6 109.0
 167 15.7 10.6 16.0



#61
4-Nitroaniline
 Concen: 11.69 ng
 RT: 16.63 min Scan# 1338
 Delta R.T. -0.15 min
 Lab File: BF081642.D
 Acq: 15 Sep 2015 22:51

Tgt Ion:138 Resp: 17667
 Ion Ratio Lower Upper
 138 100
 92 15.1 12.6 52.6
 108 12.6 12.4 52.4





#62

Azobenzene

Concen: 3.26 ng

RT: 17.08 min Scan# 1377

Delta R.T. 0.05 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

Instrument :

BNA_F

ClientSampleId :

MGP203(2-4)

Tgt Ion: 77 Resp: 22054

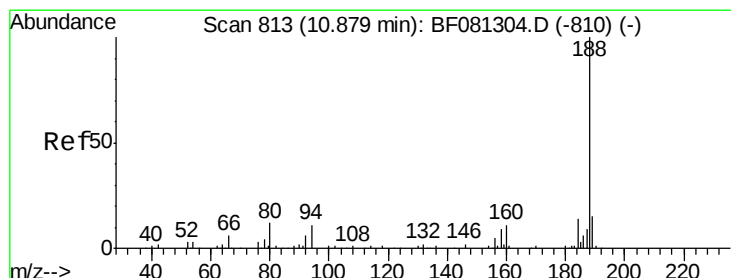
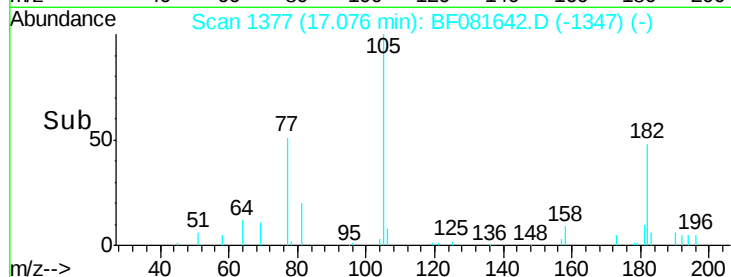
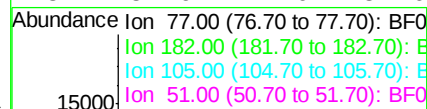
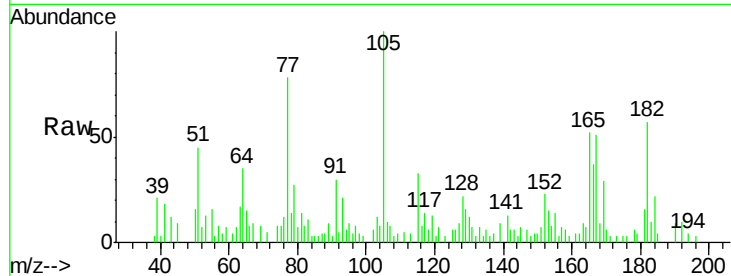
Ion Ratio Lower Upper

77 100

182 73.3 15.1 55.1#

105 128.5 3.4 43.4#

51 57.9 12.0 52.0#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 18.80 min Scan# 1528

Delta R.T. 0.05 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

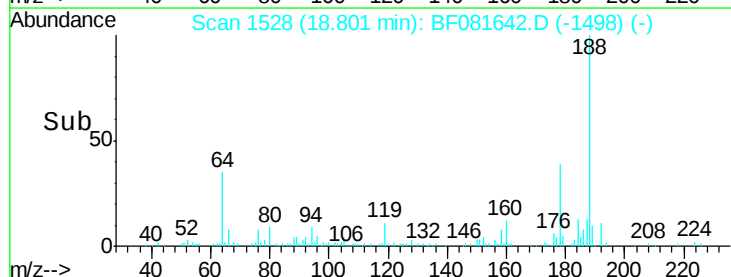
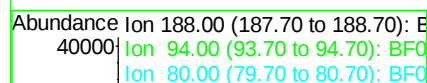
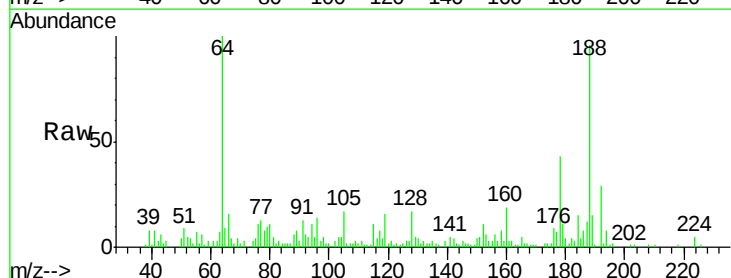
Tgt Ion: 188 Resp: 137094

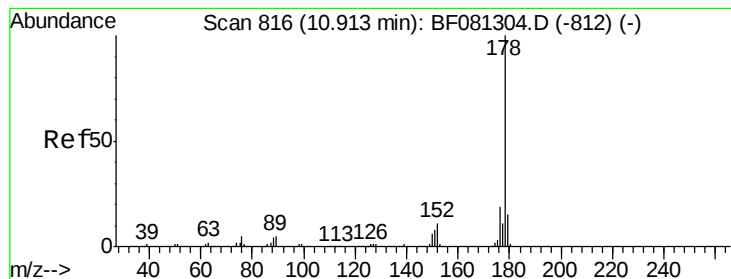
Ion Ratio Lower Upper

188 100

94 11.1 11.1 16.7#

80 11.8 11.0 16.4





#70

Phenanthrene

Concen: 581.54 ng

RT: 18.92 min Scan# 1538

Delta R.T. 0.09 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

Instrument :

BNA_F

ClientSampleId :

MGP203(2-4)

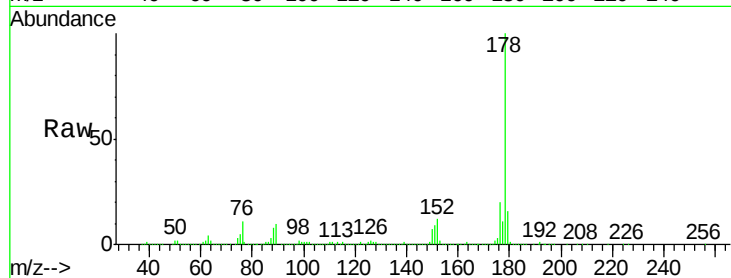
Tgt Ion:178 Resp: 4432311

Ion Ratio Lower Upper

178 100

176 20.1 13.8 20.8

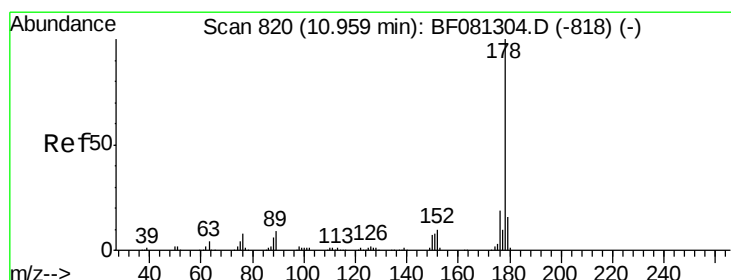
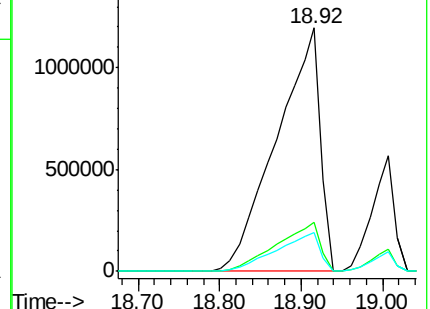
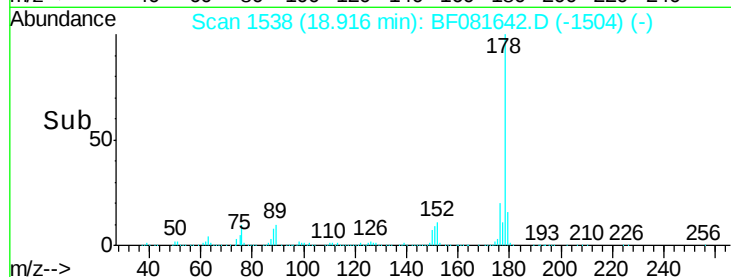
179 16.0 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 137.33 ng

RT: 19.01 min Scan# 1546

Delta R.T. 0.06 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

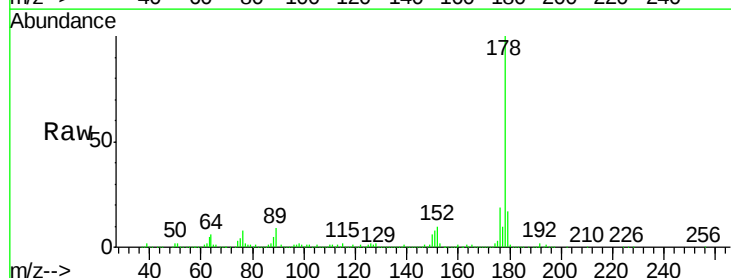
Tgt Ion:178 Resp: 1075359

Ion Ratio Lower Upper

178 100

176 19.1 14.1 21.1

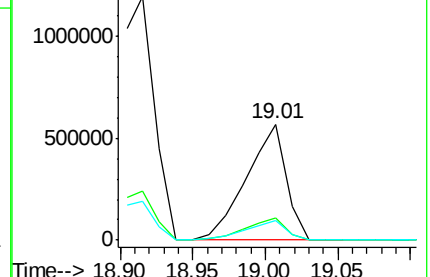
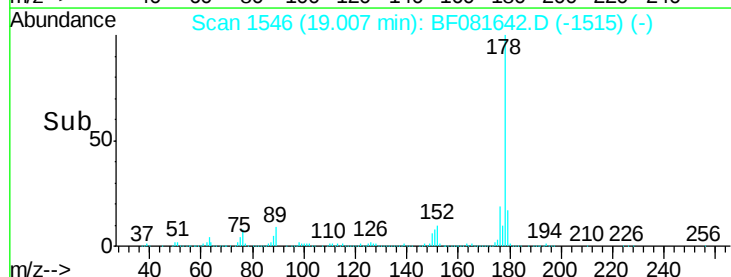
179 16.9 12.2 18.2

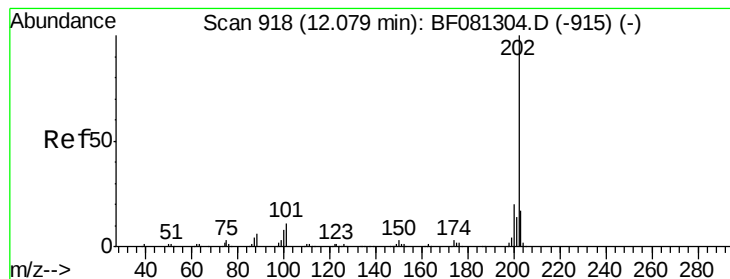


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 129.34 ng

RT: 21.51 min Scan# 1765

Delta R.T. 0.08 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

Instrument :

BNA_F

ClientSampleId :

MGP203(2-4)

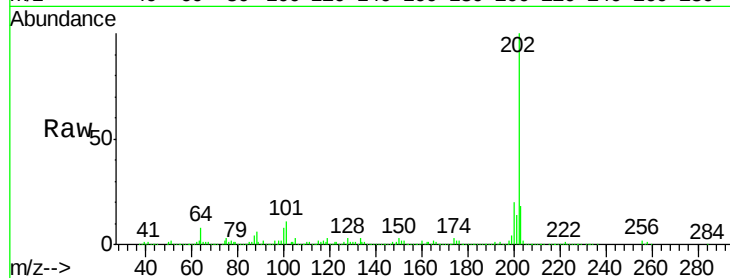
Tgt Ion:202 Resp: 1067190

Ion Ratio Lower Upper

202 100

101 10.7 0.0 38.3

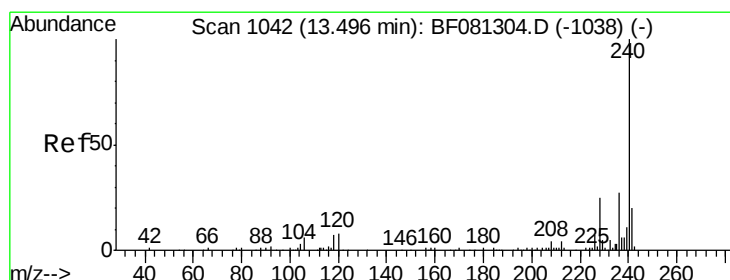
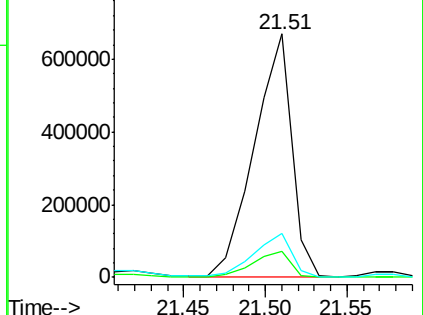
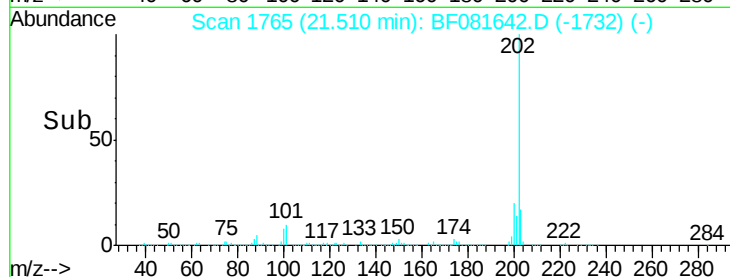
203 17.9 0.0 37.3



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: 23.41 min Scan# 1931

Delta R.T. 0.02 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

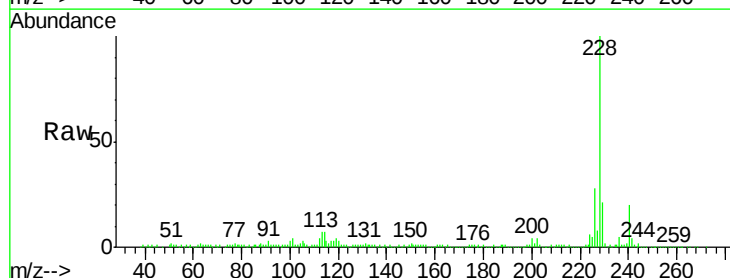
Tgt Ion:240 Resp: 99198

Ion Ratio Lower Upper

240 100

120 15.6 16.2 24.2#

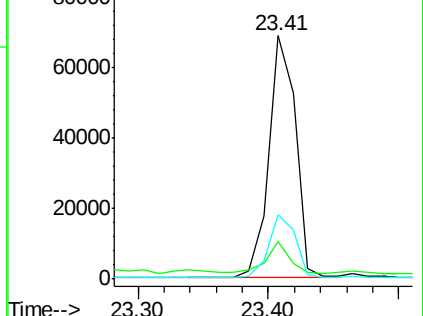
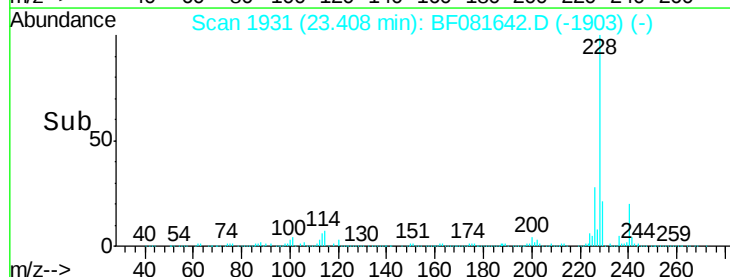
236 26.3 18.4 27.6

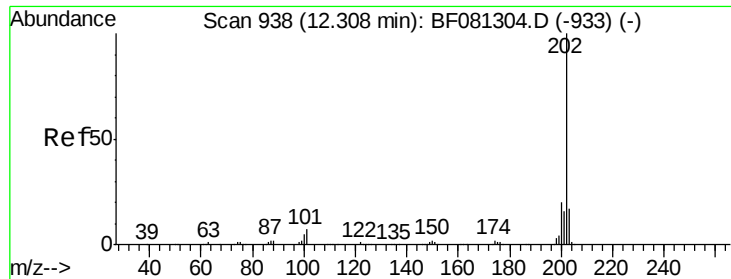


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 280.40 ng

RT: 21.85 min Scan# 1795

Delta R.T. 0.07 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

Instrument :

BNA_F

ClientSampleId :

MGP203(2-4)

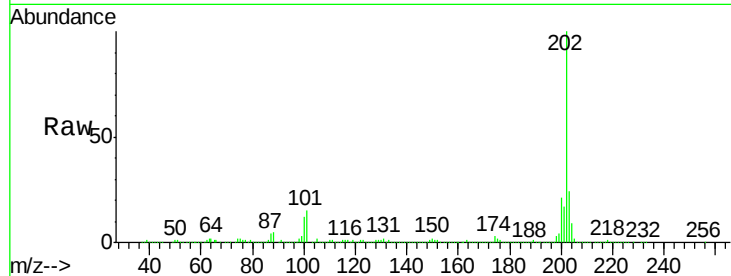
Tgt Ion:202 Resp: 2060384

Ion Ratio Lower Upper

202 100

200 20.7 15.0 22.4

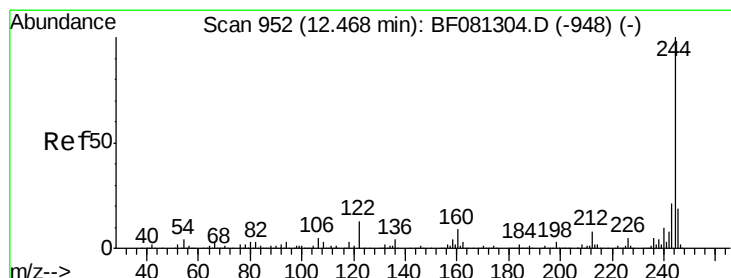
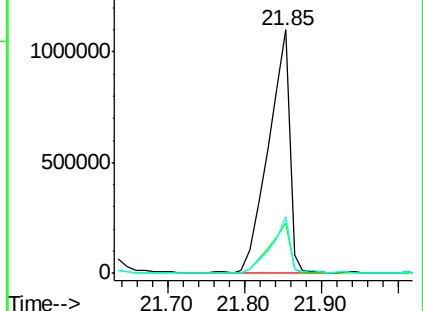
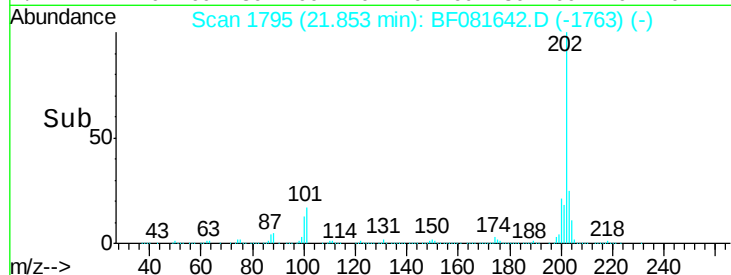
203 23.6 14.1 21.1#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 84.08 ng

RT: 22.14 min Scan# 1820

Delta R.T. 0.02 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

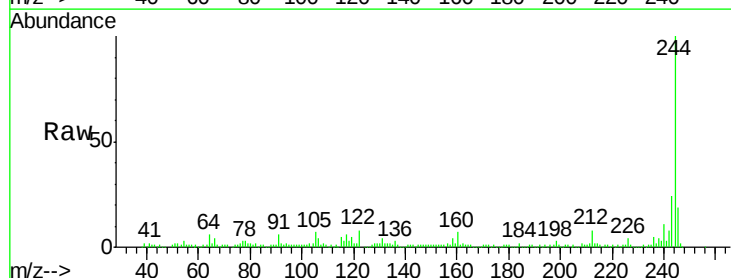
Tgt Ion:244 Resp: 358309

Ion Ratio Lower Upper

244 100

212 7.6 4.3 6.5#

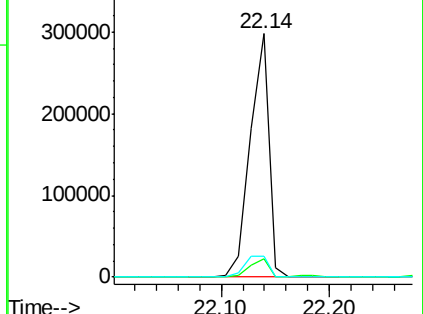
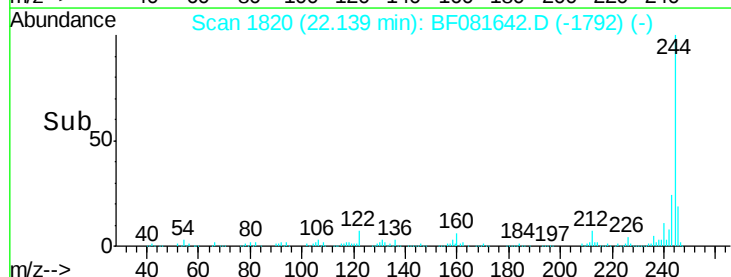
122 8.4 17.4 26.2#

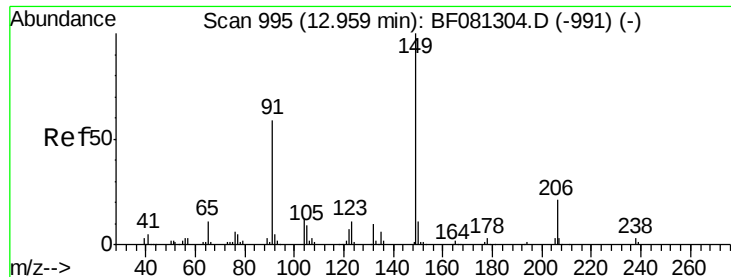


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 3.18 ng

RT: 22.79 min Scan# 1877

Delta R.T. -0.01 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

Instrument :

BNA_F

ClientSampleId :

MGP203(2-4)

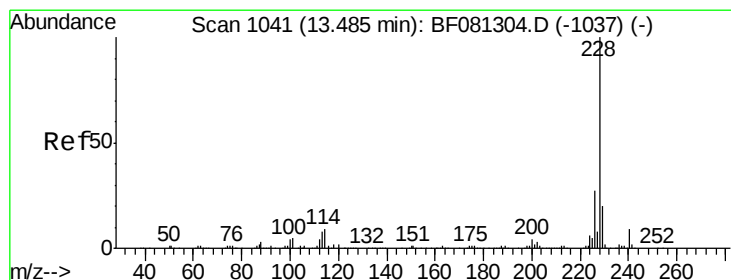
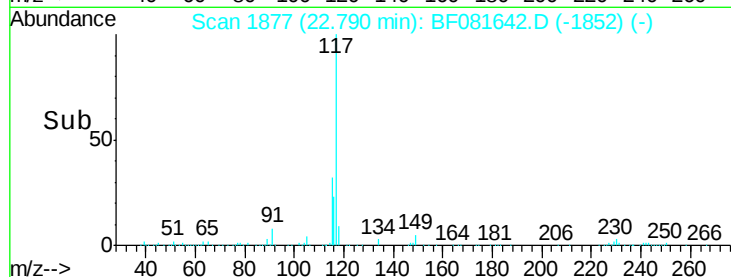
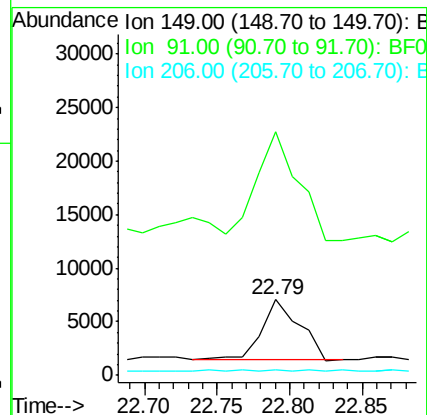
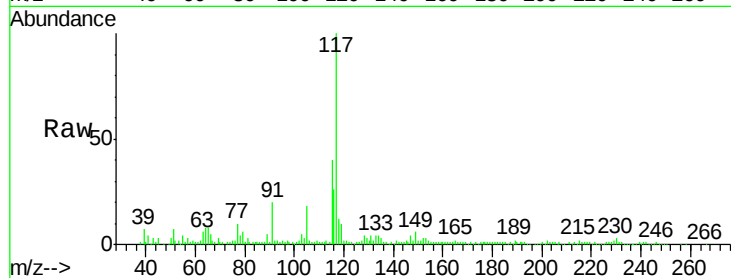
Tgt Ion:149 Resp: 10150

Ion Ratio Lower Upper

149 100

91 322.4 48.6 72.8#

206 6.7 14.9 22.3#



#80

Benzo(a)anthracene

Concen: 85.43 ng

RT: 23.41 min Scan# 1931

Delta R.T. 0.03 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

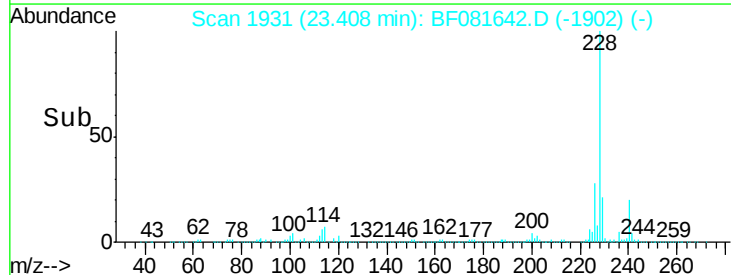
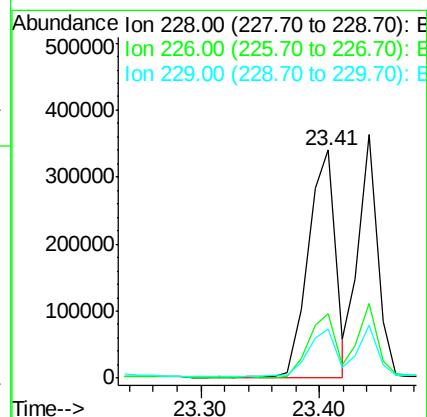
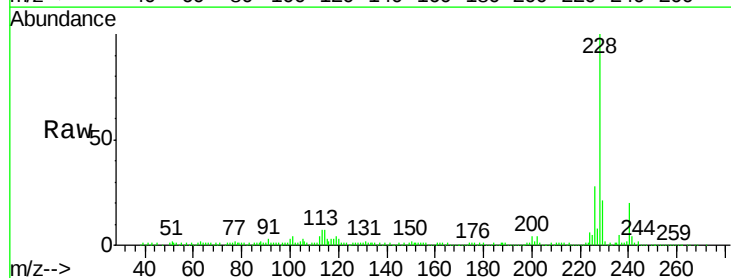
Tgt Ion:228 Resp: 539716

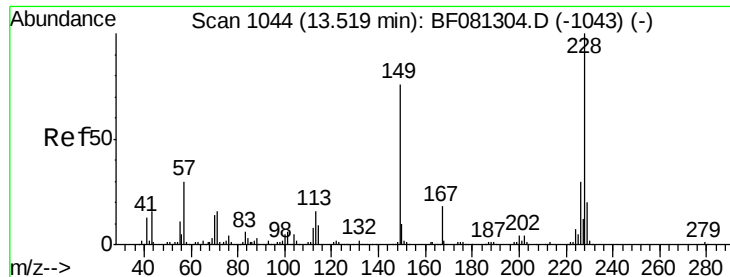
Ion Ratio Lower Upper

228 100

226 28.5 20.0 30.0

229 21.3 15.4 23.2





#82

Chrysene

Concen: 72.36 ng

RT: 23.44 min Scan# 1934

Delta R.T. 0.02 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

Instrument :

BNA_F

ClientSampleId :

MGP203(2-4)

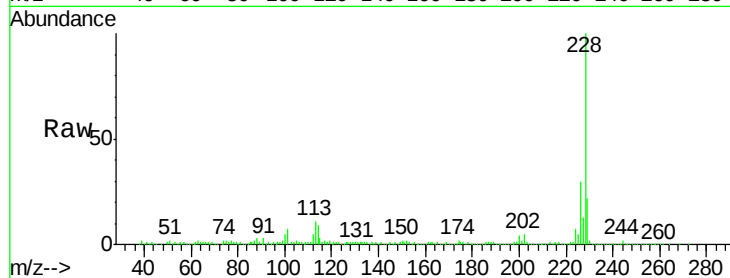
Tgt Ion:228 Resp: 409784

Ion Ratio Lower Upper

228 100

226 30.4 21.0 31.4

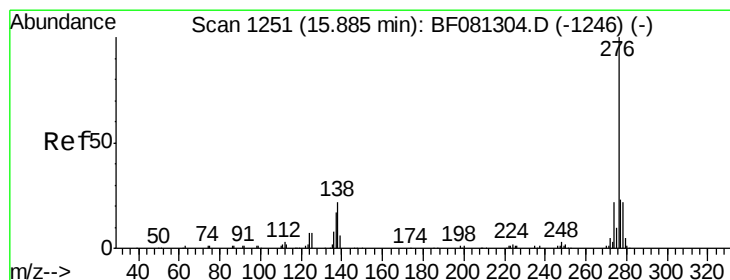
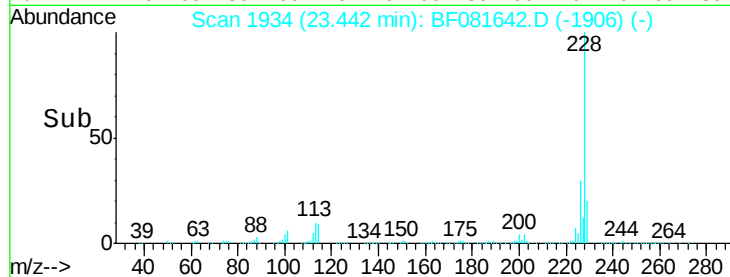
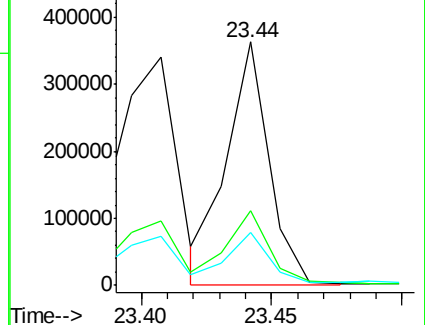
229 21.5 15.6 23.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 17.30 ng

RT: 25.89 min Scan# 2148

Delta R.T. 0.01 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

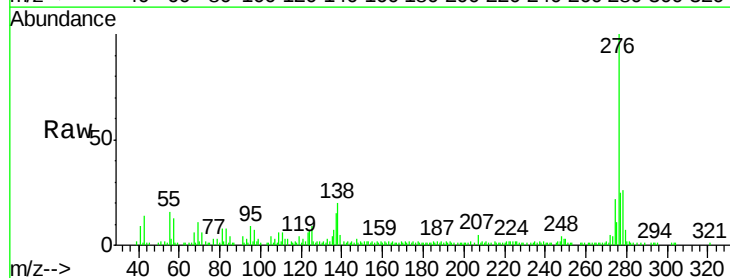
Tgt Ion:276 Resp: 71893

Ion Ratio Lower Upper

276 100

138 19.2 25.7 38.5#

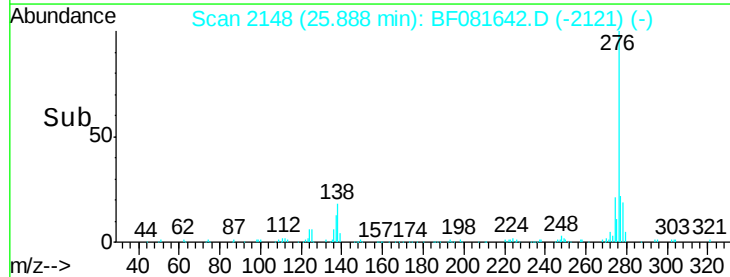
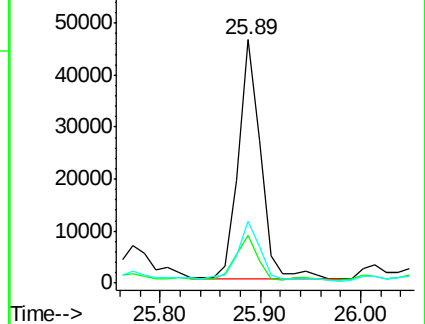
277 24.9 15.6 23.4#

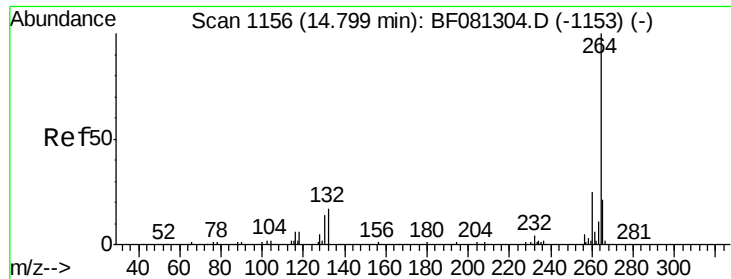


Abundance Ion 276.00 (275.70 to 276.70): E

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: 24.84 min Scan# 2056

Delta R.T. 0.02 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

Instrument :

BNA_F

ClientSampleId :

MGP203(2-4)

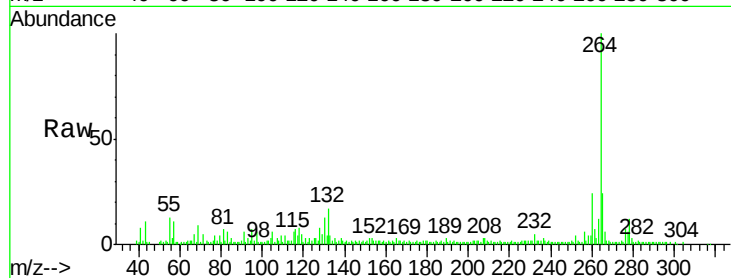
Tgt Ion:264 Resp: 64160

Ion Ratio Lower Upper

264 100

260 24.2 16.7 25.1

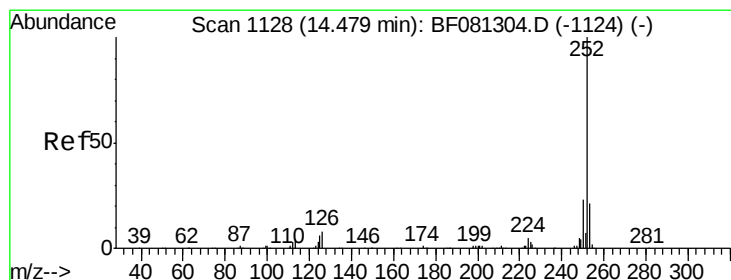
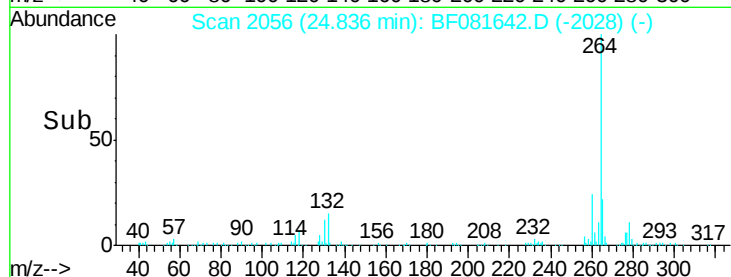
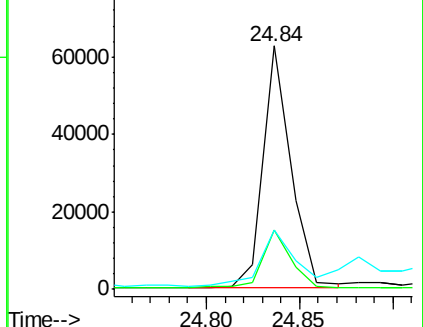
265 24.4 17.2 25.8



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: 66.14 ng

RT: 24.50 min Scan# 2027

Delta R.T. 0.02 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

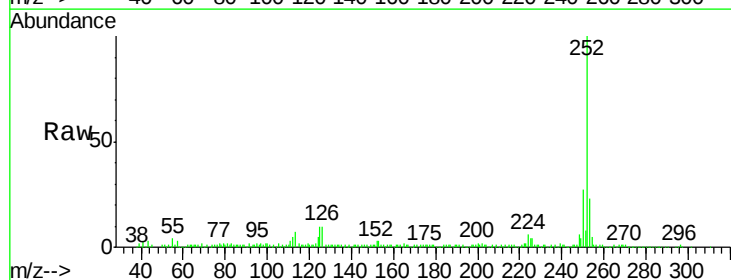
Tgt Ion:252 Resp: 302940

Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

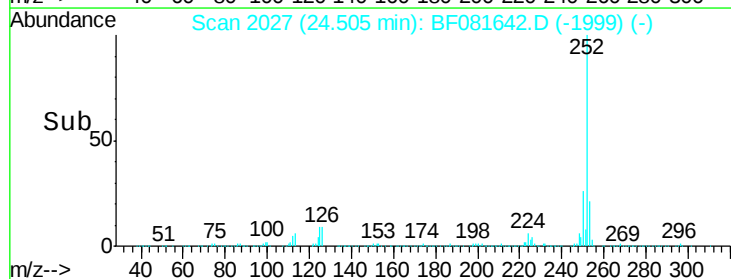
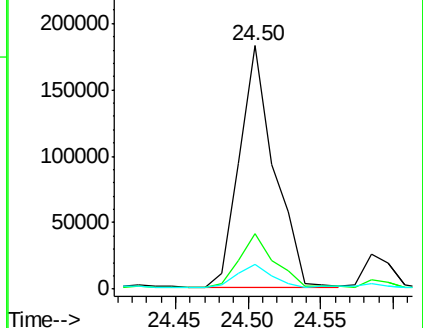
125 10.1 17.1 25.7#

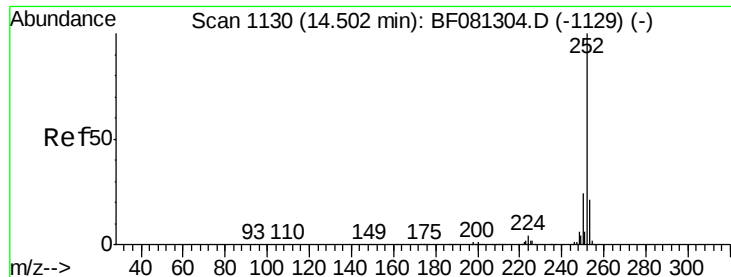


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 79.70 ng

RT: 24.50 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

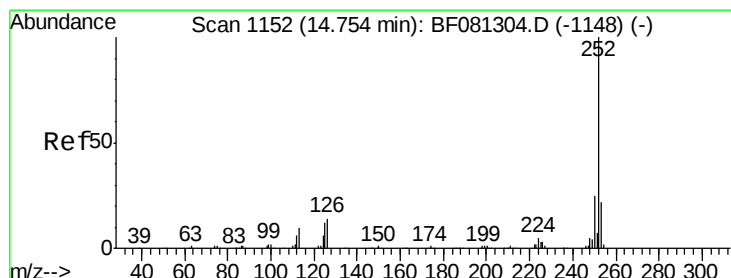
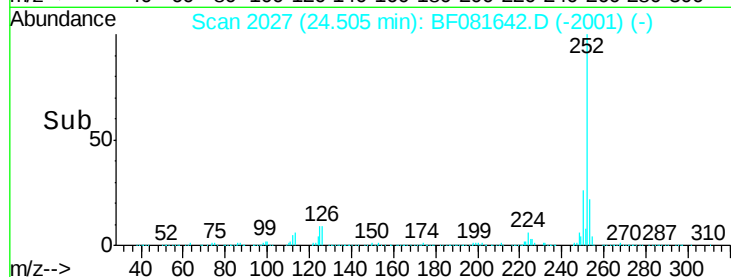
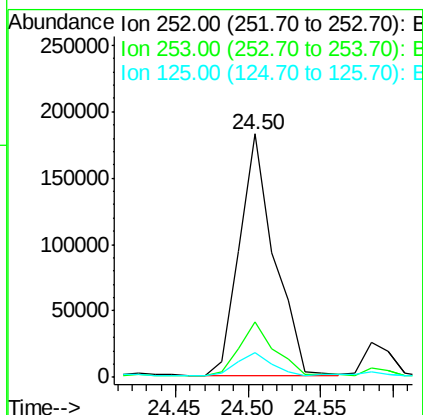
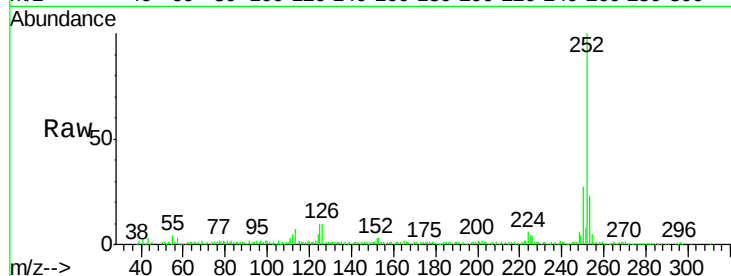
Instrument :

BNA_F

ClientSampleId :

MGP203(2-4)

Tgt Ion:	252	Resp:	302940
Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.4
125	10.1	16.0	24.0#



#89

Benzo(a)pyrene

Concen: 65.28 ng

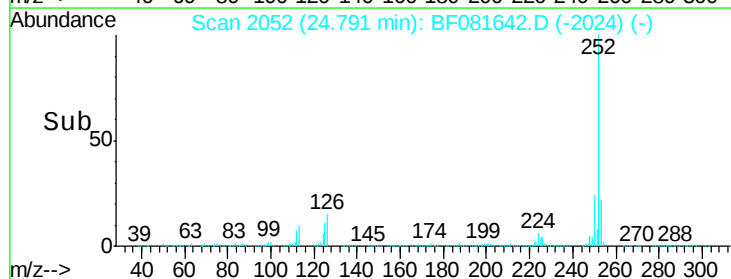
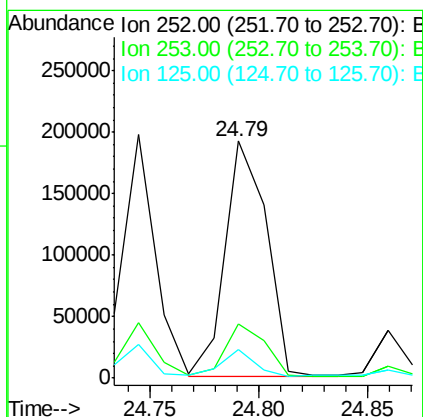
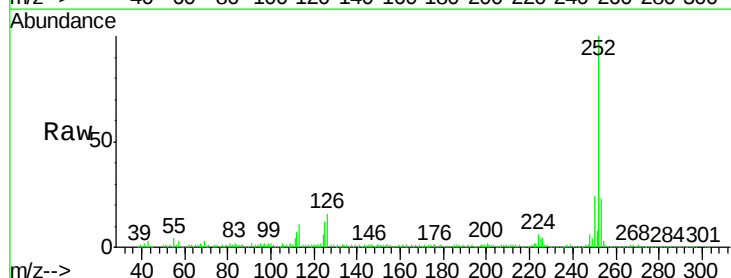
RT: 24.79 min Scan# 2052

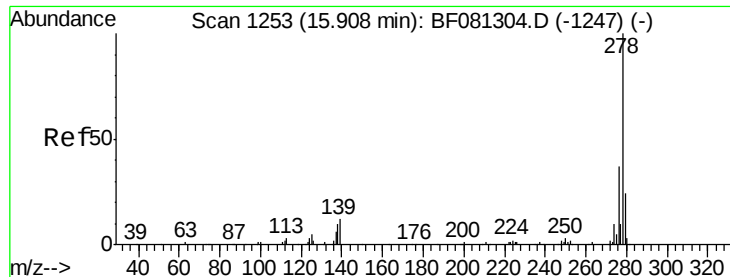
Delta R.T. 0.02 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

Tgt Ion:	252	Resp:	253374
Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.2	25.8
125	12.0	18.0	27.0#





#90

Dibenzo(a,h)anthracene

Concen: 7.00 ng

RT: 25.89 min Scan# 2148

Delta R.T. -0.00 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

Instrument :

BNA_F

ClientSampleId :

MGP203(2-4)

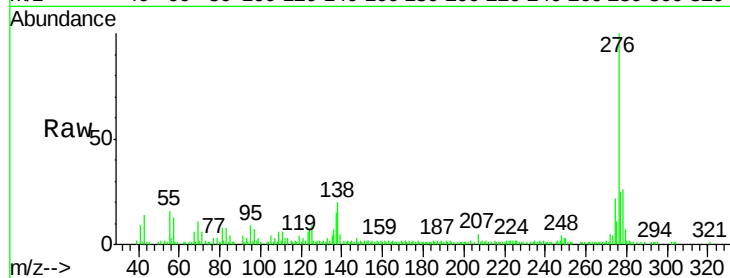
Tgt Ion:278 Resp: 20985

Ion Ratio Lower Upper

278 100

139 21.0 26.3 39.5#

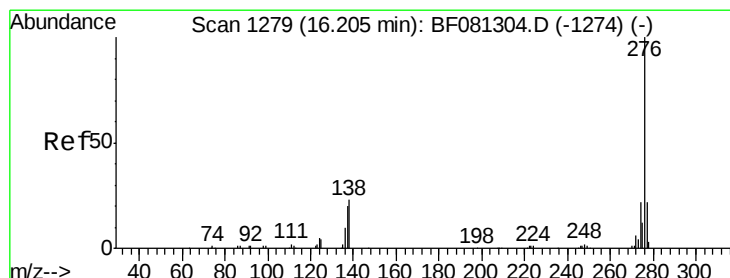
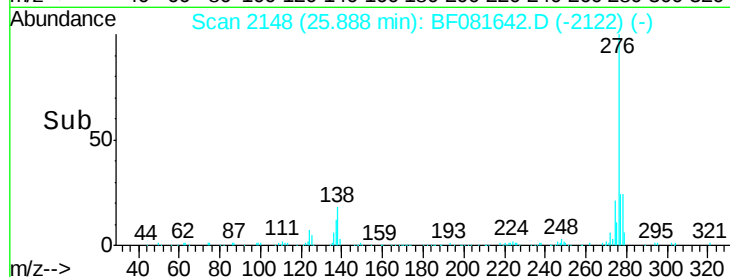
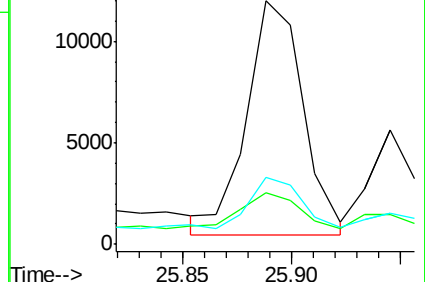
279 27.6 18.2 27.4#



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: 35.44 ng

RT: 26.20 min Scan# 2175

Delta R.T. 0.02 min

Lab File: BF081642.D

Acq: 15 Sep 2015 22:51

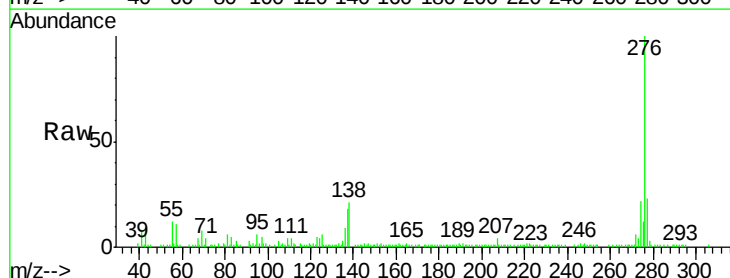
Tgt Ion:276 Resp: 101445

Ion Ratio Lower Upper

276 100

277 23.4 17.8 26.6

138 21.1 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

