

Data Path : Z:\HPCHEM1\BNA_F\Data\BF091615\
 Data File : BF081672.D
 Acq On : 17 Sep 2015 8:29
 Operator : UM/IZ
 Sample : G3654-05
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MGP204(20-22)

Quant Time: Sep 17 11:47:37 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	8.21	152	42059	20.00	ng	-0.01
21) Naphthalene-d8	11.25	136	146261	20.00	ng	0.13
38) Acenaphthene-d10	15.26	164	68961	20.00	ng	0.00
63) Phenanthrene-d10	18.76	188	54491	20.00	ng	0.00
75) Chrysene-d12	23.41	240	117827	20.00	ng	0.02
86) Perylene-d12	24.82	264	99913	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	327441	120.79	ng	0.00
7) Phenol-d6	7.65	99	454573	126.68	ng	0.00
23) Nitrobenzene-d5	9.52	82	287562	94.86	ng	-0.01
41) 2,4,6-Tribromophenol	17.17	330	66810	108.81	ng	0.00
44) 2-Fluorobiphenyl	13.76	172	417762	77.63	ng	-0.01
78) Terphenyl-d14	22.12	244	309759	61.20	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	1.53	88	41955	34.46	ng	# 11
9) Benzaldehyde	7.19	77	176801	78.64	ng	# 1
10) Phenol	7.67	94	12267	2.95	ng	# 17
11) bis(2-Chloroethyl)ether	7.89	93	19850	6.61	ng	# 1
15) Benzyl Alcohol	8.55	79	6189	2.10	ng	# 25
18) Hexachloroethane	9.29	117	61373	48.54	ng	# 11
20) 3+4-Methylphenols	9.38	107	12326	3.84	ng	# 1
22) Acetophenone	9.33	105	20420	5.11	ng	# 42
24) Nitrobenzene	9.70	77	106945	33.97	ng	# 1
27) 2,4-Dimethylphenol	10.65	122	20252	8.55	ng	# 70
31) Naphthalene	11.39	128	32864431	4213.23	ng	# 92
32) Benzoic acid	11.35	122	93740	55.01	ng	# 1
33) 4-Chloroaniline	11.61	127	39689	12.47	ng	# 1
35) Caprolactam	12.50	113	6400	10.15	ng	# 79
37) 2-Methylnaphthalene	12.98	142	12955194	2552.19	ng	# 89
45) 1,1'-Biphenyl	13.99	154	1436262	226.38	ng	# 95
47) 2-Nitroaniline	14.40	65	50756	27.18	ng	# 9
48) Acenaphthylene	15.01	152	6246248	768.46	ng	# 94
49) Dimethylphthalate	14.87	163	63514	11.85	ng	# 97
51) Acenaphthene	15.36	154	616567	133.34	ng	# 84
52) 3-Nitroaniline	15.35	138	3855	2.78	ng	# 60
53) 2,4-Dinitrophenol	15.60	184	470	7.43	ng	# 1
54) Dibenzofuran	15.76	168	371155	54.97	ng	# 83
55) 4-Nitrophenol	15.93	139	20878	24.00	ng	# 60
56) 2,4-Dinitrotoluene	15.93	165	17885	11.55	ng	# 38
57) Fluorene	16.53	166	767347	149.76	ng	# 63
61) 4-Nitroaniline	16.72	138	2963	2.12	ng	# 42
65) n-Nitrosodiphenylamine	16.95	169	51406	25.93	ng	# 53
70) Phenanthrene	18.94	178	8323269	2747.50	ng	# 93
71) Anthracene	18.94	178	8323269	2674.28	ng	# 94
72) Carbazole	19.43	167	93033	31.85	ng	# 80
74) Fluoranthene	21.49	202	2274020	693.41	ng	# 91
77) Pyrene	21.64	202	1407831	161.30	ng	# 98
80) Benzo(a)anthracene	23.40	228	1855114	247.23	ng	# 89

Data Path : Z:\HPCHEM1\BNA_F\Data\BF091615\
Data File : BF081672.D
Acq On : 17 Sep 2015 8:29
Operator : UM/IZ
Sample : G3654-05
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MGP204(20-22)

Quant Time: Sep 17 11:47:37 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

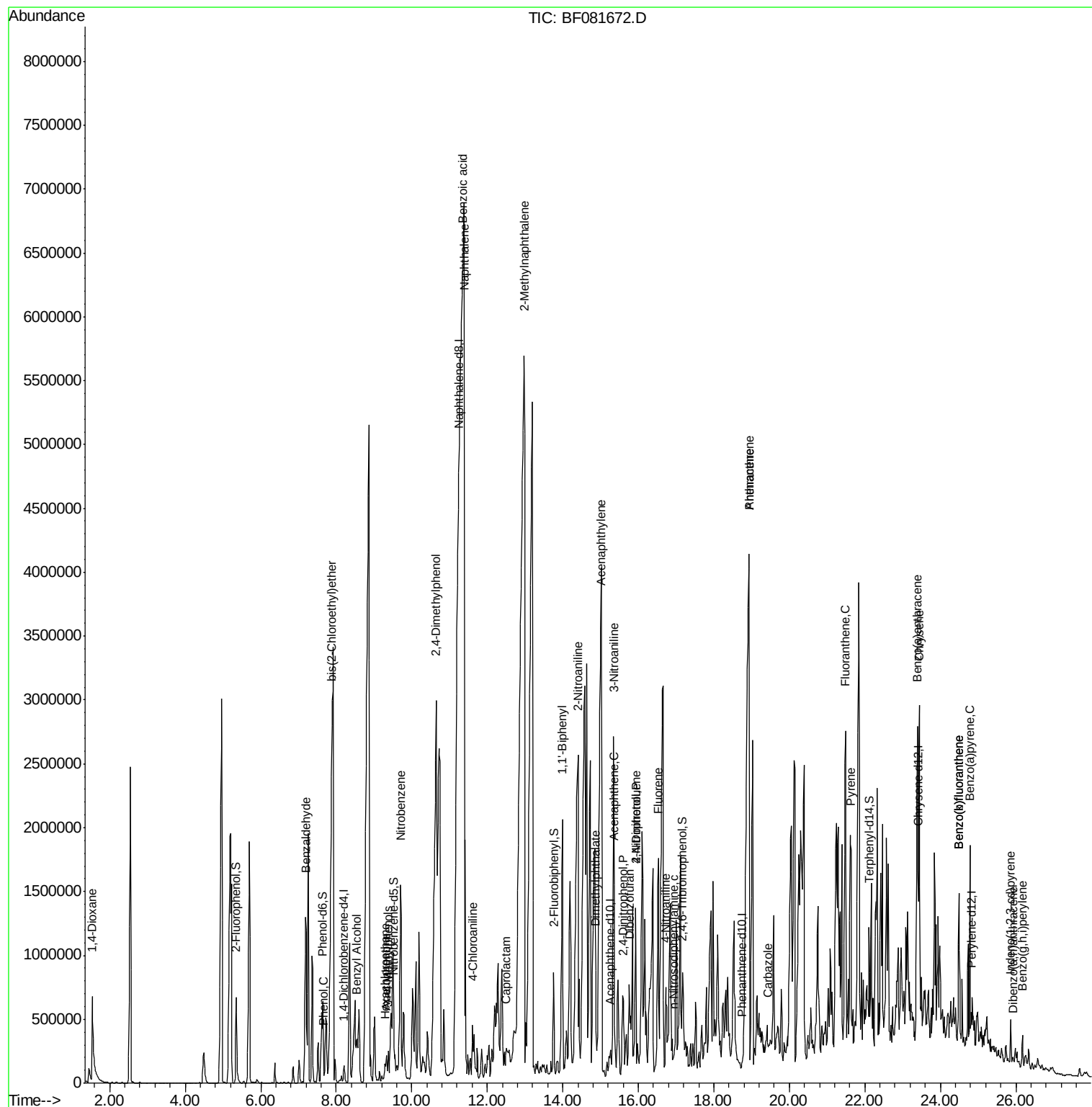
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Chrysene	23.44	228	1226061	182.28	ng	# 85
85) Indeno(1,2,3-cd)pyrene	25.86	276	187164	37.93	ng	# 80
87) Benzo(b)fluoranthene	24.49	252	859173	120.45	ng	# 87
88) Benzo(k)fluoranthene	24.49	252	859173	145.16	ng	# 87
89) Benzo(a)pyrene	24.79	252	874180	144.62	ng	# 83
90) Dibenzo(a,h)anthracene	25.92	278	25663	5.49	ng	# 72
91) Benzo(g,h,i)perylene	26.17	276	171332	38.43	ng	# 73

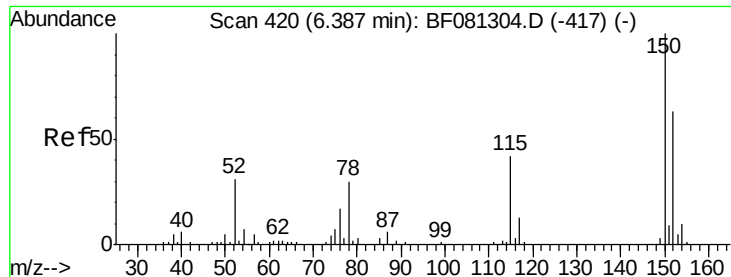
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\Data\BF091615\
Data File : BF081672.D
Acq On : 17 Sep 2015 8:29
Operator : UM/IZ
Sample : G3654-05
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MGP204(20-22)

Quant Time: Sep 17 11:47:37 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.21 min Scan# 601

Delta R.T. -0.01 min

Lab File: BF081672.D

Acq: 17 Sep 2015 8:29

Instrument :

BNA_F

ClientSampleId :

MGP204(20-22)

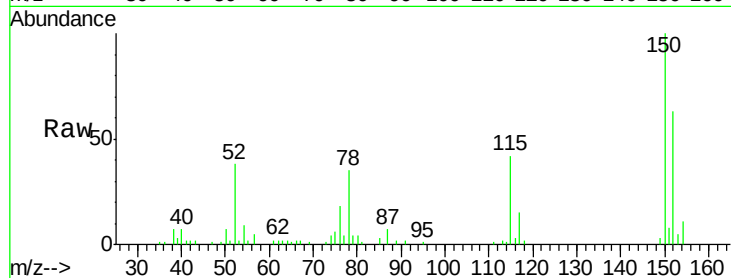
Tgt Ion:152 Resp: 42059

Ion Ratio Lower Upper

152 100

150 159.9 124.7 187.1

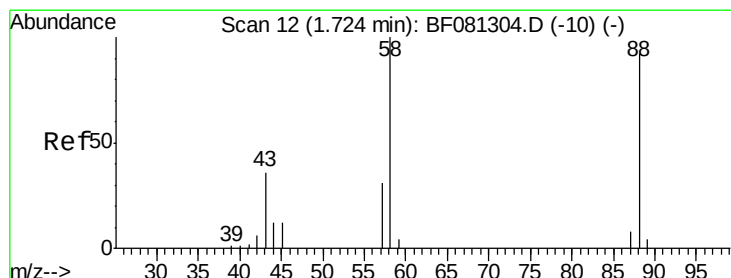
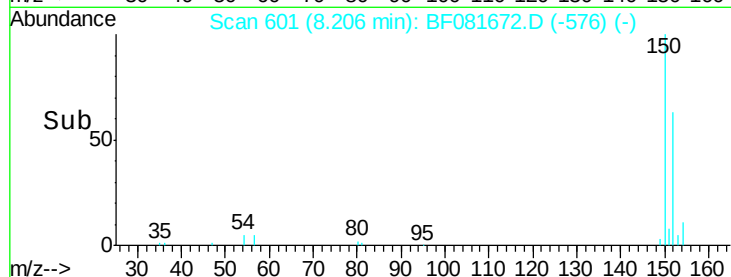
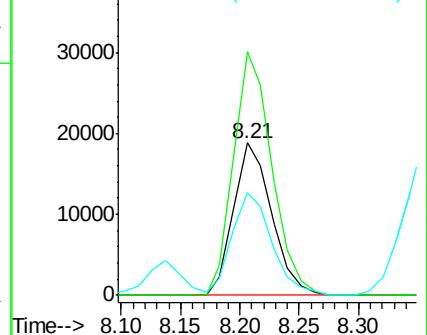
115 67.8 39.0 58.4#



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: 34.46 ng

RT: 1.53 min Scan# 17

Delta R.T. -0.03 min

Lab File: BF081672.D

Acq: 17 Sep 2015 8:29

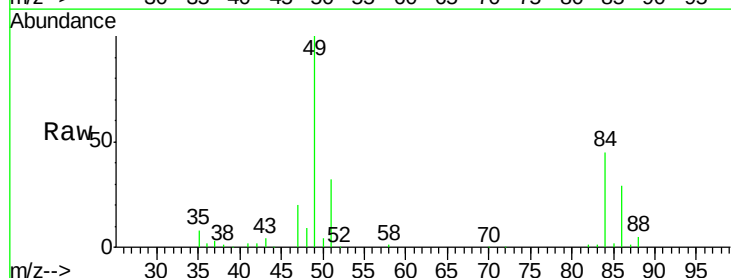
Tgt Ion: 88 Resp: 41955

Ion Ratio Lower Upper

88 100

58 0.0 77.7 116.5#

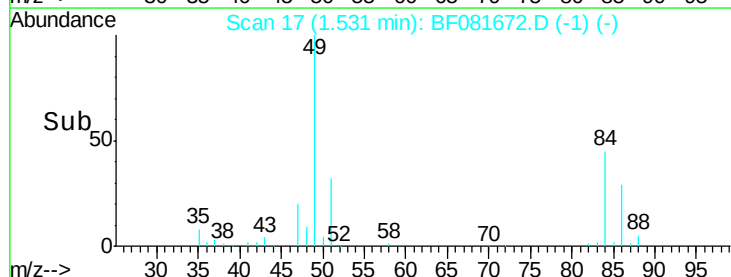
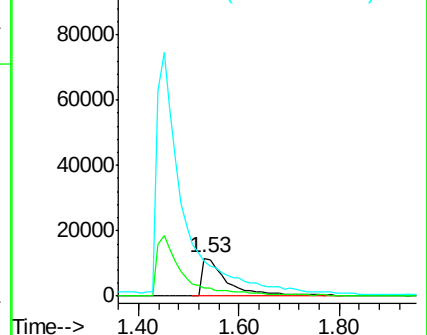
43 0.0 26.6 40.0#

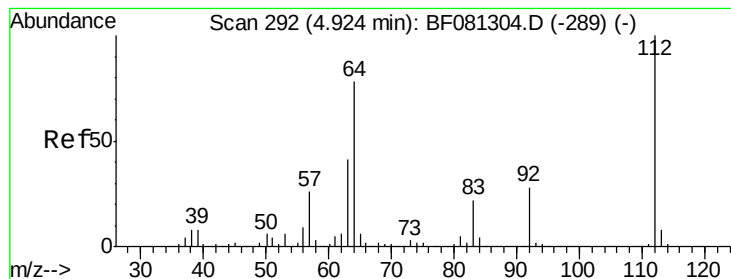


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 120.79 ng

RT: 5.35 min Scan# 351

Delta R.T. -0.00 min

Lab File: BF081672.D

Acq: 17 Sep 2015 8:29

Instrument :

BNA_F

ClientSampleId :

MGP204(20-22)

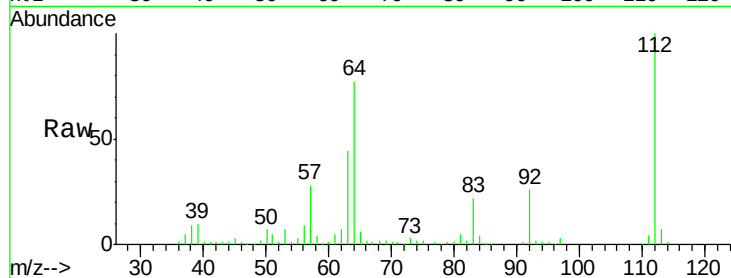
Tgt Ion: 112 Resp: 327441

Ion Ratio Lower Upper

112 100

64 77.4 39.7 59.5#

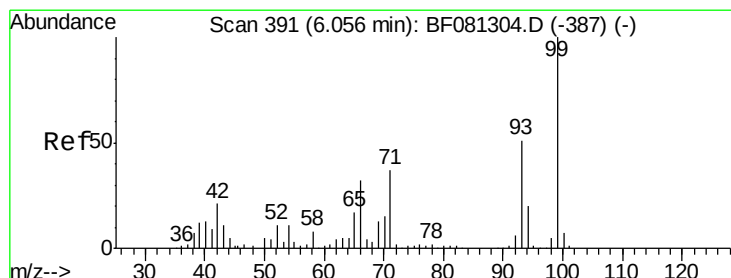
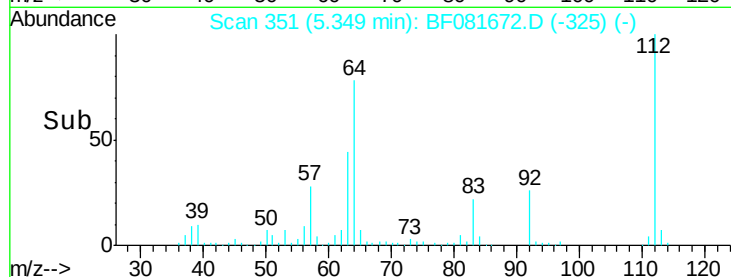
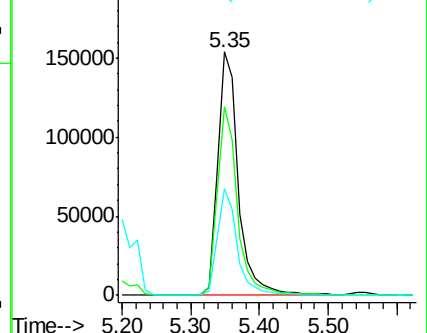
63 43.7 17.4 26.0#



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: 126.68 ng

RT: 7.65 min Scan# 552

Delta R.T. -0.00 min

Lab File: BF081672.D

Acq: 17 Sep 2015 8:29

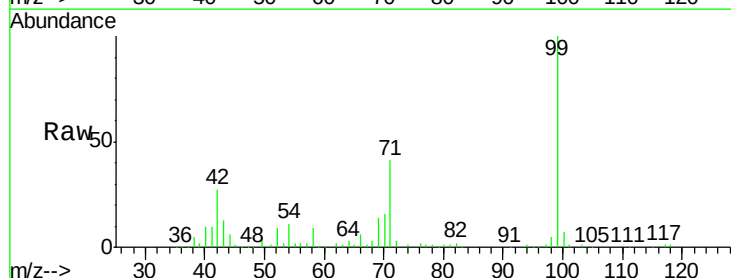
Tgt Ion: 99 Resp: 454573

Ion Ratio Lower Upper

99 100

42 26.7 13.7 20.5#

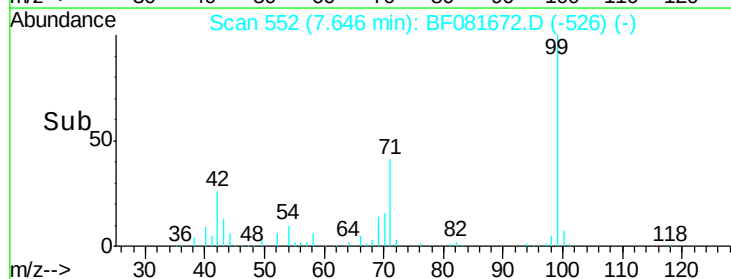
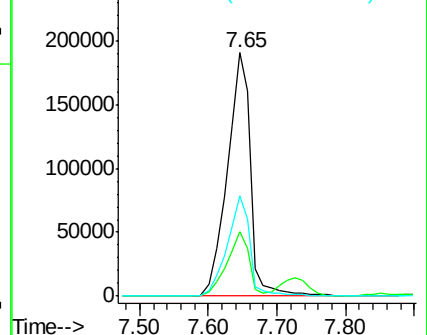
71 41.0 14.2 21.2#

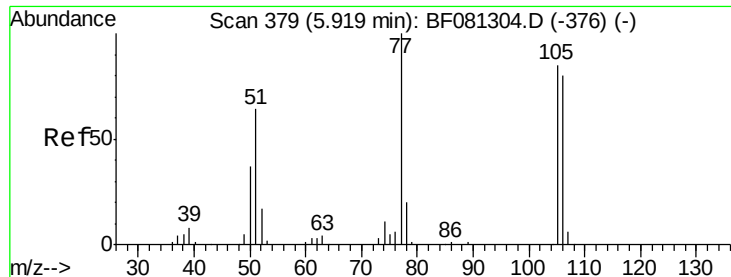


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

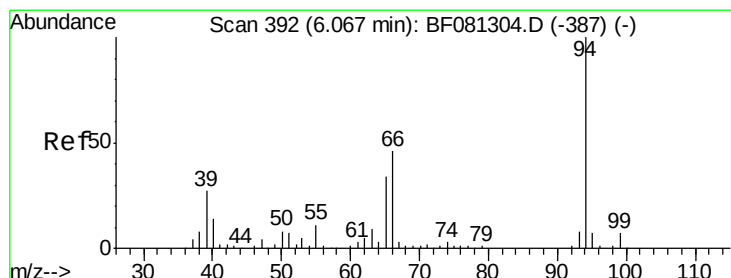
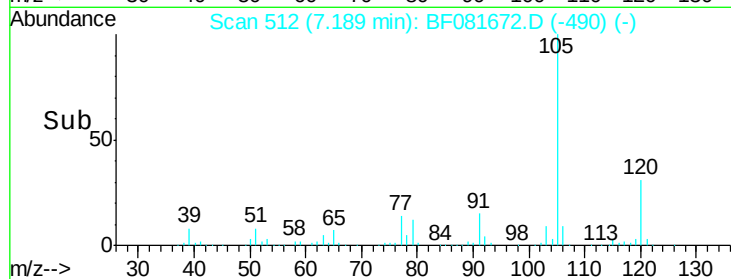
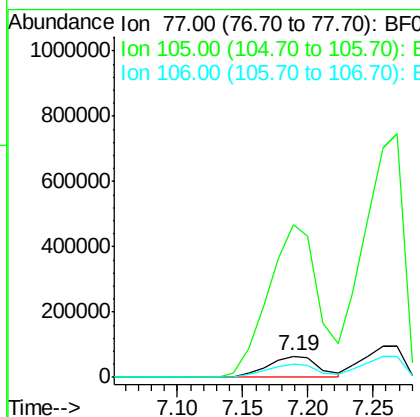
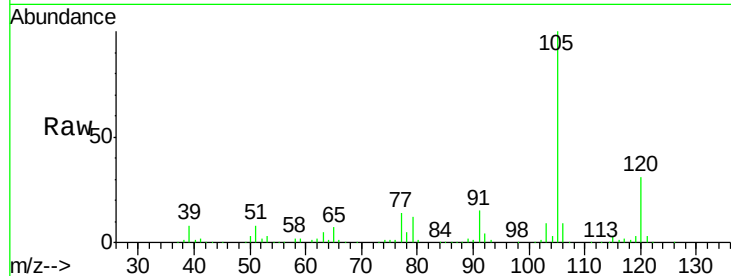




#9
Benzaldehyde
Concen: 78.64 ng
RT: 7.19 min Scan# 512
Delta R.T. -0.05 min
Lab File: BF081672.D
Acq: 17 Sep 2015 8:29

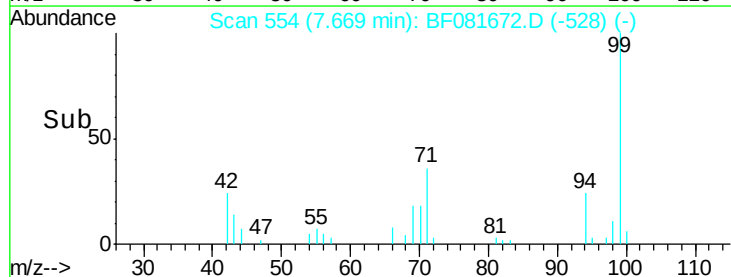
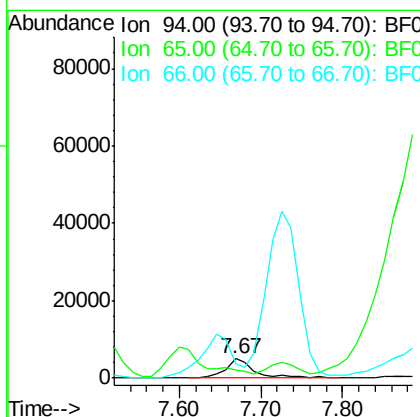
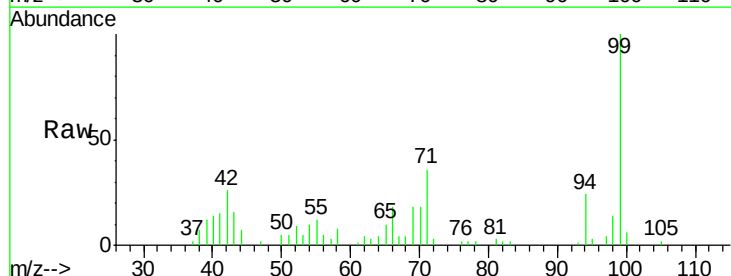
Instrument :
BNA_F
ClientSampleId :
MGP204(20-22)

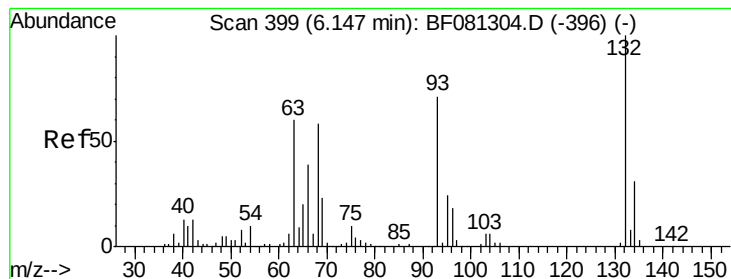
Tgt Ion: 77 Resp: 176801
Ion Ratio Lower Upper
77 100
105 719.1 91.6 131.6#
106 65.0 102.6 142.6#



#10
Phenol
Concen: 2.95 ng
RT: 7.67 min Scan# 554
Delta R.T. -0.00 min
Lab File: BF081672.D
Acq: 17 Sep 2015 8:29

Tgt Ion: 94 Resp: 12267
Ion Ratio Lower Upper
94 100
65 42.5 0.7 40.7#
66 76.4 0.8 40.8#

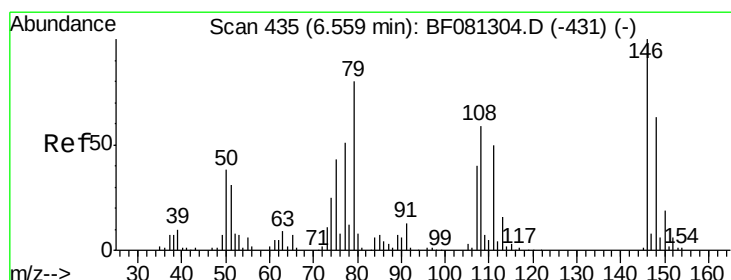
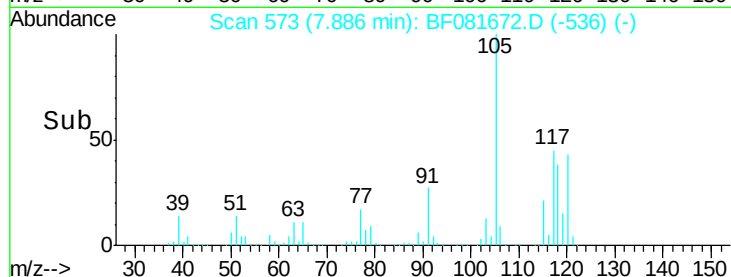
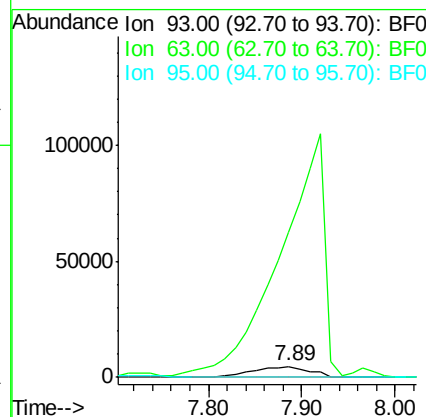
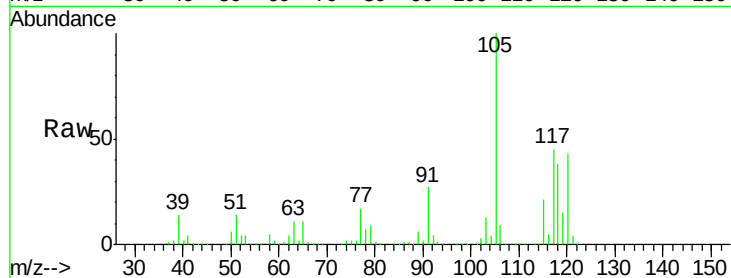




#11
bis(2-Chloroethyl)ether
Concen: 6.61 ng
RT: 7.89 min Scan# 573
Delta R.T. 0.13 min
Lab File: BF081672.D
Acq: 17 Sep 2015 8:29

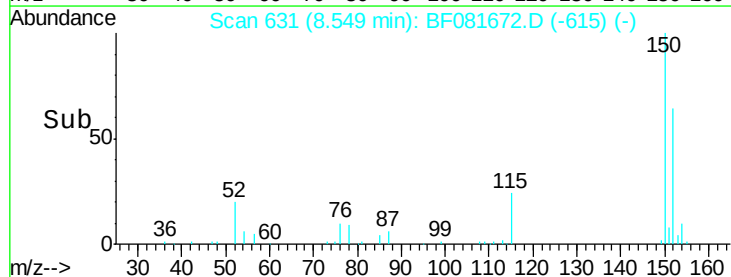
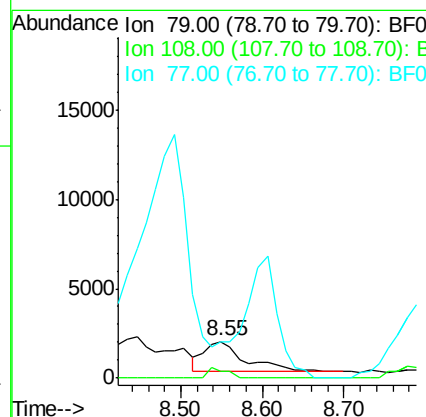
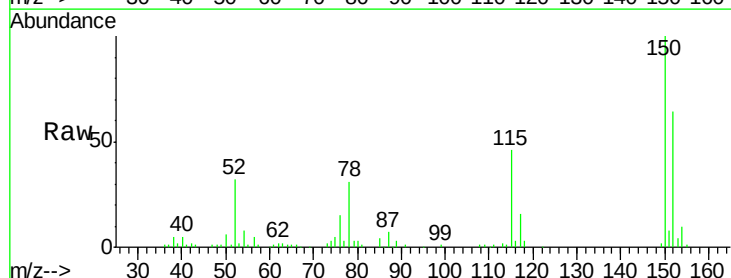
Instrument :
BNA_F
ClientSampleId :
MGP204(20-22)

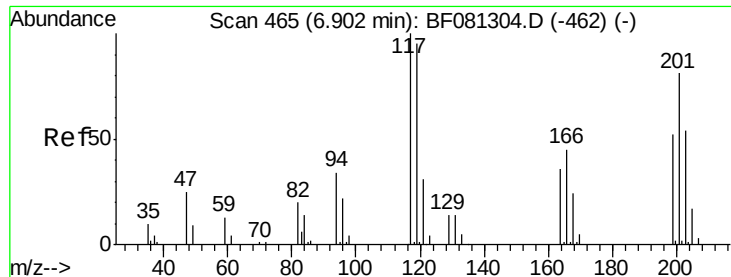
Tgt Ion: 93 Resp: 19850
Ion Ratio Lower Upper
93 100
63 1297.8 65.6 105.6#
95 0.0 13.6 53.6#



#15
Benzyl Alcohol
Concen: 2.10 ng
RT: 8.55 min Scan# 631
Delta R.T. -0.11 min
Lab File: BF081672.D
Acq: 17 Sep 2015 8:29

Tgt Ion: 79 Resp: 6189
Ion Ratio Lower Upper
79 100
108 19.8 88.6 132.8#
77 99.3 47.0 70.4#

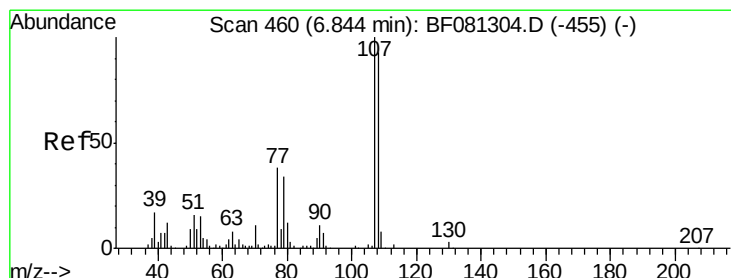
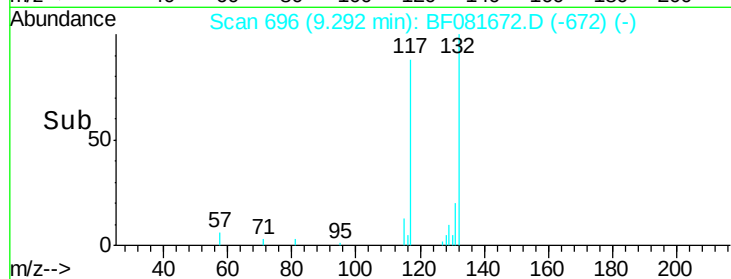
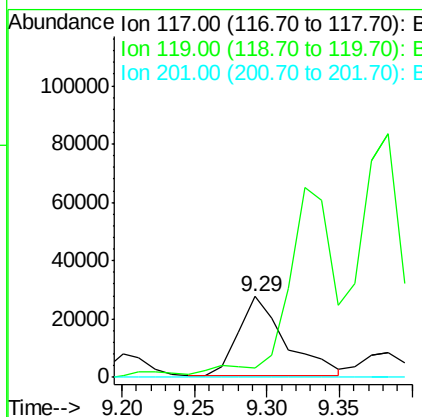
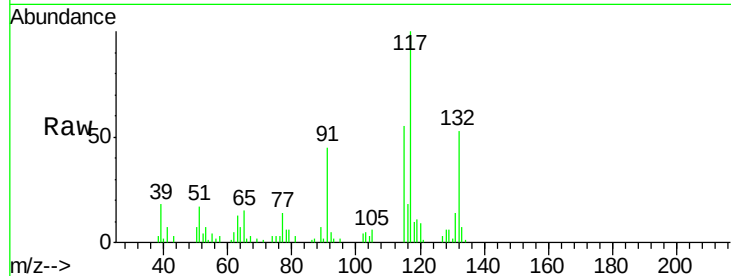




#18
 Hexachloroethane
 Concen: 48.54 ng
 RT: 9.29 min Scan# 696
 Delta R.T. -0.02 min
 Lab File: BF081672.D
 Acq: 17 Sep 2015 8:29

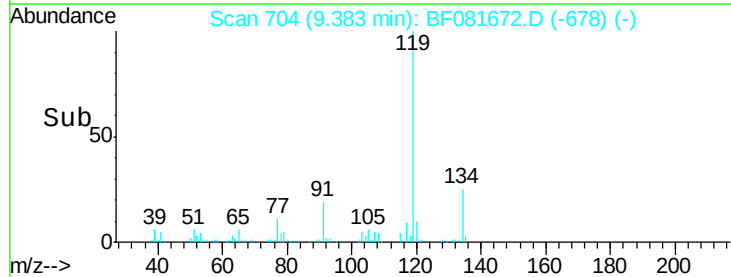
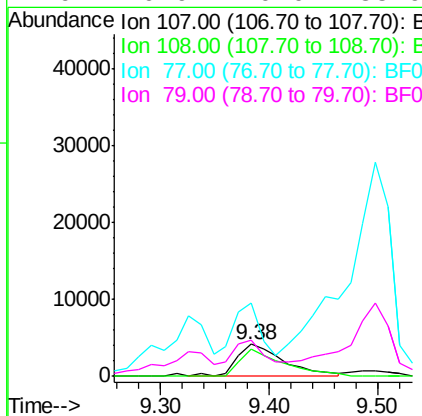
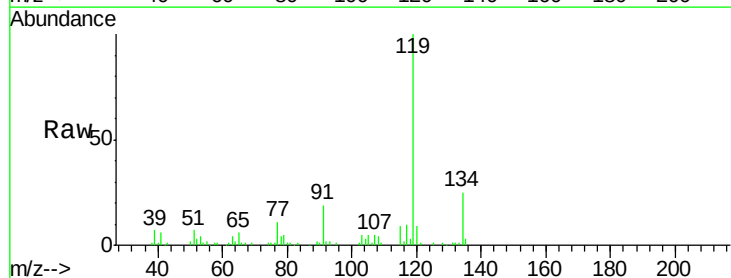
Instrument :
 BNA_F
 ClientSampleId :
 MGP204(20-22)

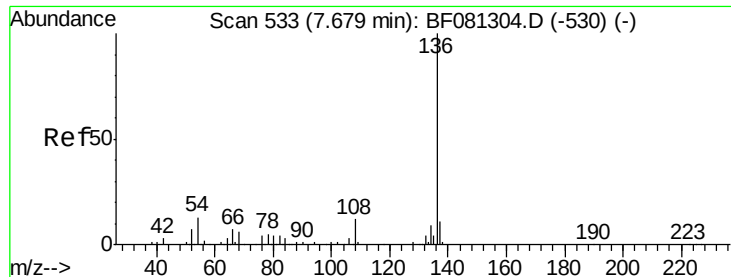
Tgt Ion:117 Resp: 61373
 Ion Ratio Lower Upper
 117 100
 119 11.2 83.8 125.6#
 201 0.0 55.1 82.7#



#20
 3+4-Methylphenols
 Concen: 3.84 ng
 RT: 9.38 min Scan# 704
 Delta R.T. -0.00 min
 Lab File: BF081672.D
 Acq: 17 Sep 2015 8:29

Tgt Ion:107 Resp: 12326
 Ion Ratio Lower Upper
 107 100
 108 84.3 74.6 114.6
 77 228.0 0.7 40.7#
 79 110.9 0.0 38.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.25 min Scan# 867

Delta R.T. 0.13 min

Lab File: BF081672.D

Acq: 17 Sep 2015 8:29

Instrument :

BNA_F

ClientSampleId :

MGP204(20-22)

Tgt Ion:136 Resp: 146261

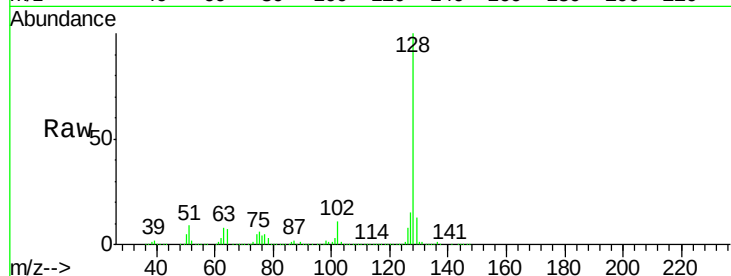
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.6

54 13.6 8.2 12.2#

68 9.7 5.8 8.6#

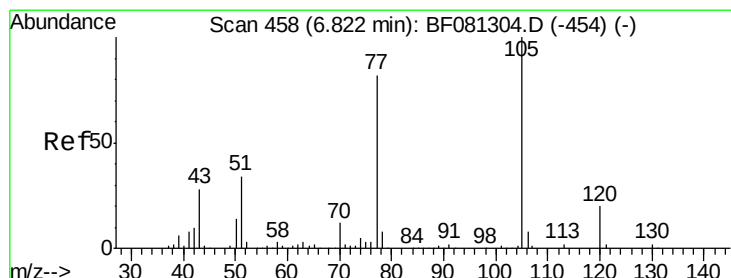
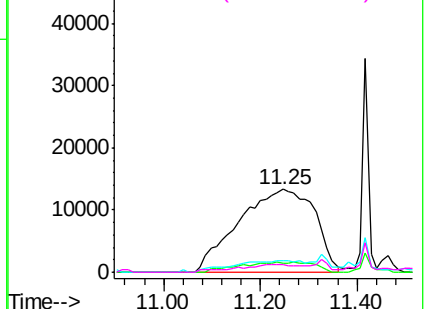
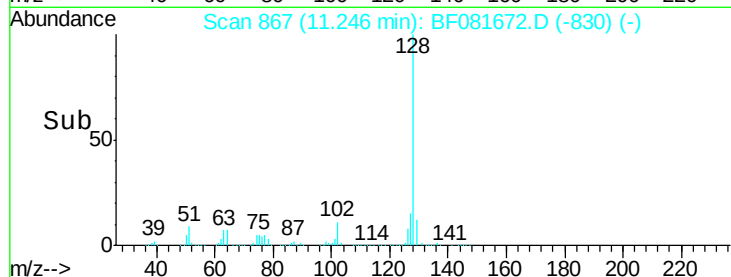


Abundance Ion 136.00 (135.70 to 136.70): E

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: 5.11 ng

RT: 9.33 min Scan# 699

Delta R.T. 0.11 min

Lab File: BF081672.D

Acq: 17 Sep 2015 8:29

Tgt Ion:105 Resp: 20420

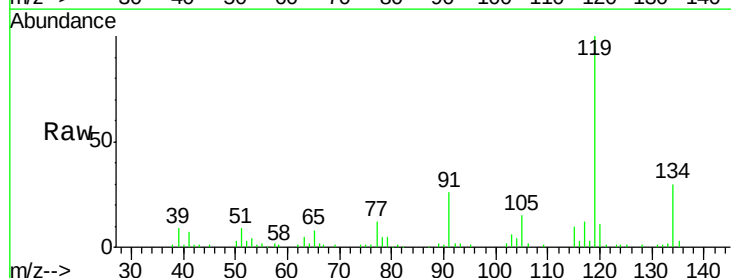
Ion Ratio Lower Upper

105 100

71 0.0 4.7 7.1#

51 58.1 22.0 33.0#

120 76.1 30.1 45.1#

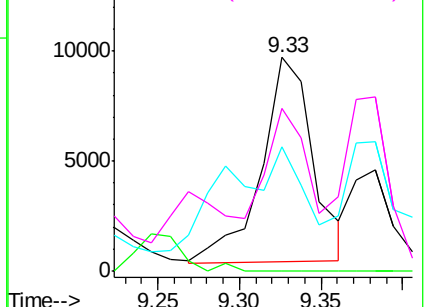
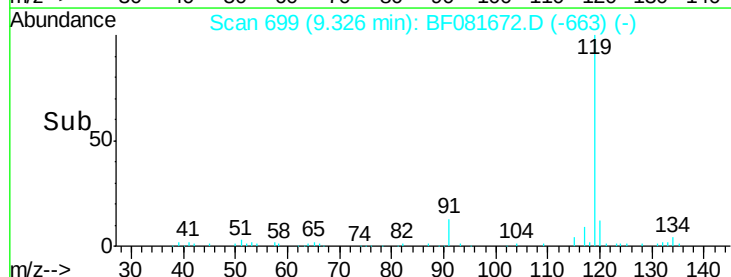


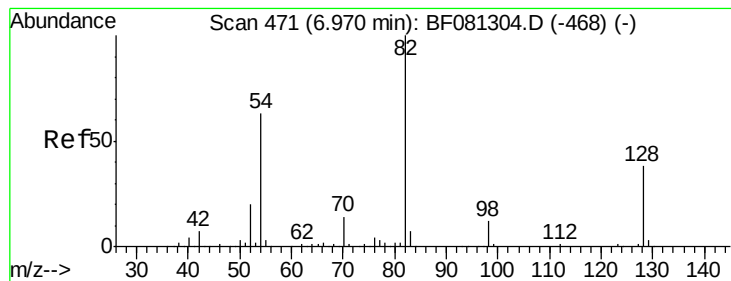
Abundance Ion 105.00 (104.70 to 105.70): E

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: 94.86 ng

RT: 9.52 min Scan# 716

Delta R.T. -0.01 min

Lab File: BF081672.D

Acq: 17 Sep 2015 8:29

Instrument :

BNA_F

ClientSampleId :

MGP204(20-22)

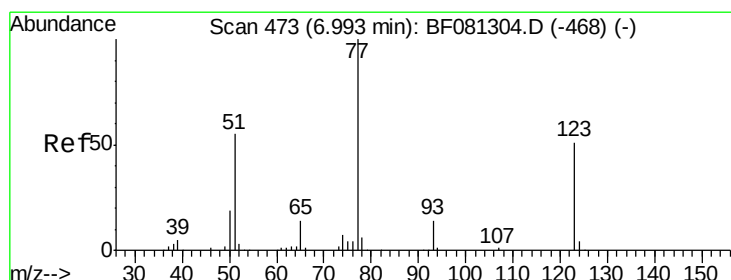
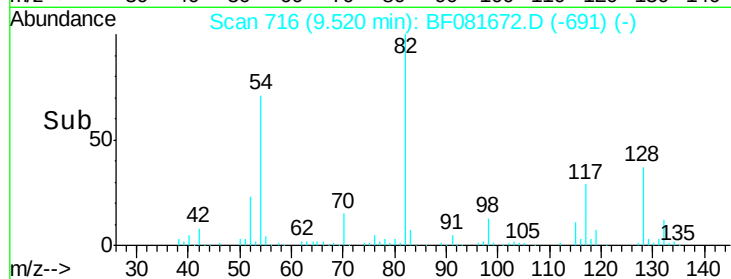
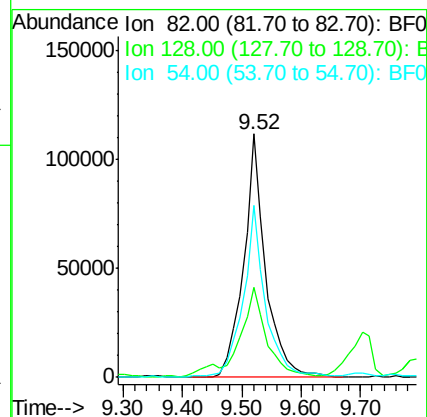
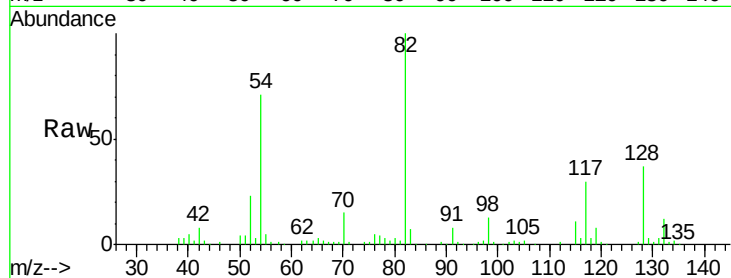
Tgt Ion: 82 Resp: 287562

Ion Ratio Lower Upper

82 100

128 36.9 51.0 76.6#

54 70.6 47.5 71.3



#24

Nitrobenzene

Concen: 33.97 ng

RT: 9.70 min Scan# 732

Delta R.T. 0.14 min

Lab File: BF081672.D

Acq: 17 Sep 2015 8:29

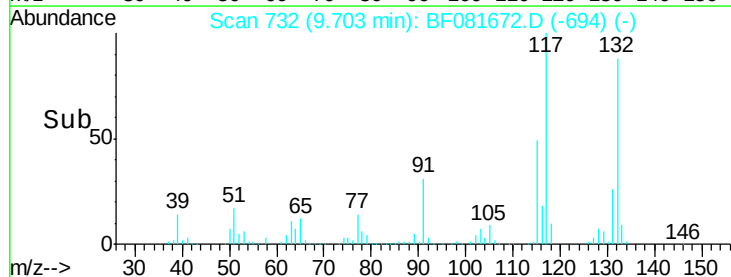
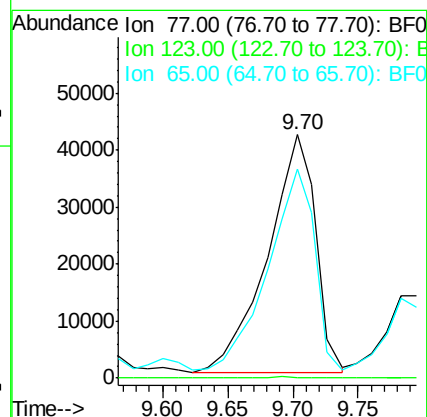
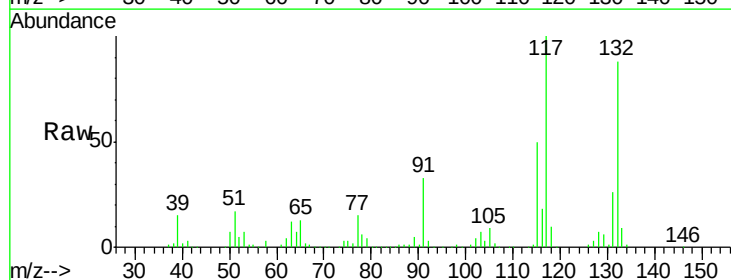
Tgt Ion: 77 Resp: 106945

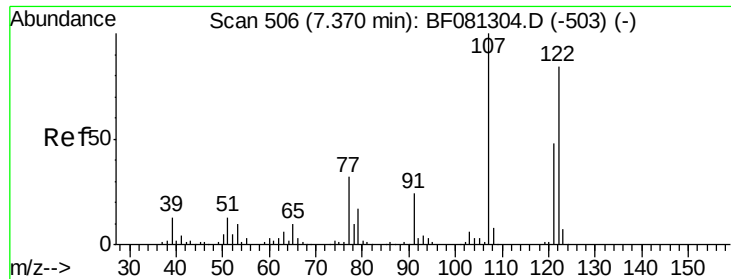
Ion Ratio Lower Upper

77 100

123 0.0 59.8 89.8#

65 85.8 10.2 15.4#





#27

2,4-Dimethylphenol

Concen: 8.55 ng

RT: 10.65 min Scan# 815

Delta R.T. 0.08 min

Lab File: BF081672.D

Acq: 17 Sep 2015 8:29

Instrument :

BNA_F

ClientSampleId :

MGP204(20-22)

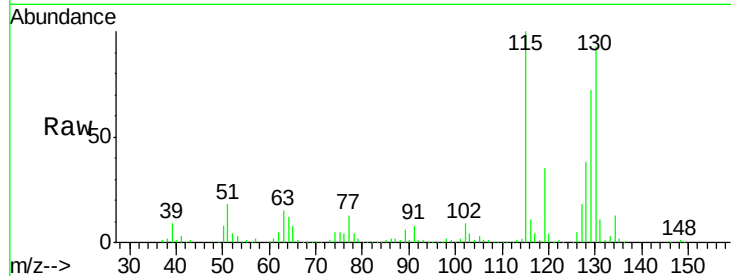
Tgt Ion:122 Resp: 20252

Ion Ratio Lower Upper

122 100

107 113.1 71.8 107.6#

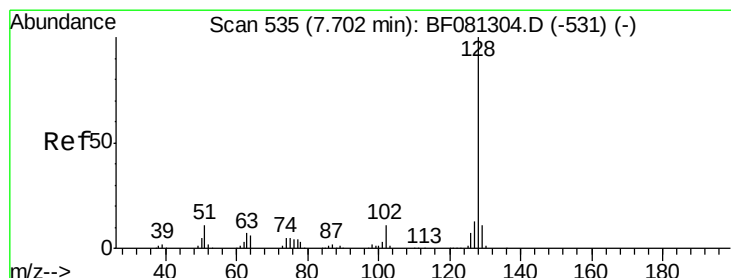
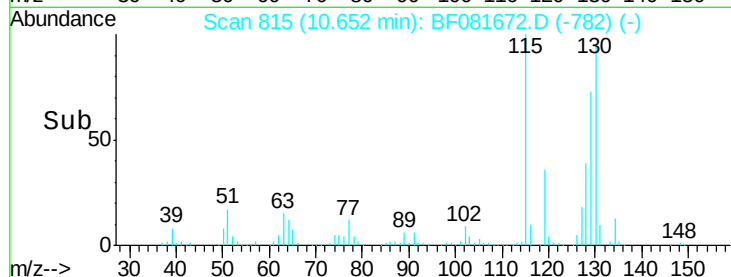
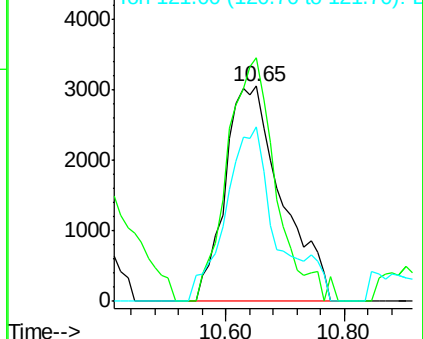
121 80.8 42.3 63.5#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#31

Naphthalene

Concen: 4213.23 ng

RT: 11.39 min Scan# 880

Delta R.T. 0.23 min

Lab File: BF081672.D

Acq: 17 Sep 2015 8:29

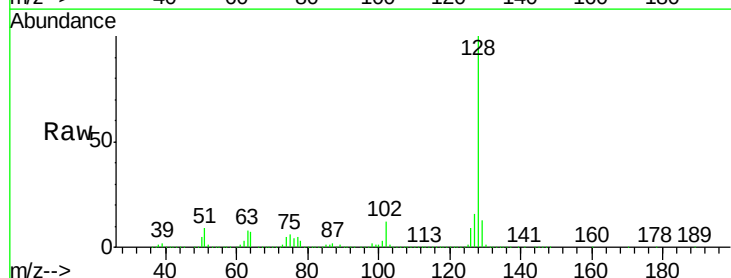
Tgt Ion:128 Resp:32864431

Ion Ratio Lower Upper

128 100

129 13.0 8.4 12.6#

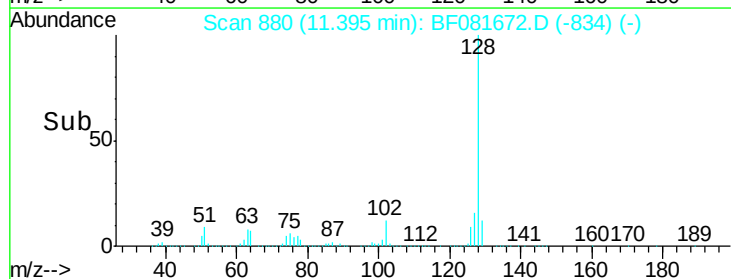
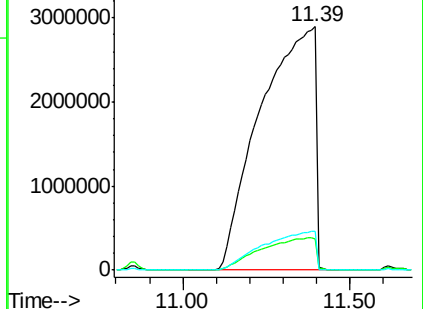
127 15.9 9.9 14.9#

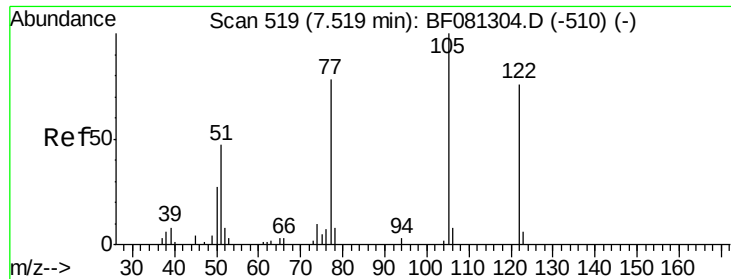


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

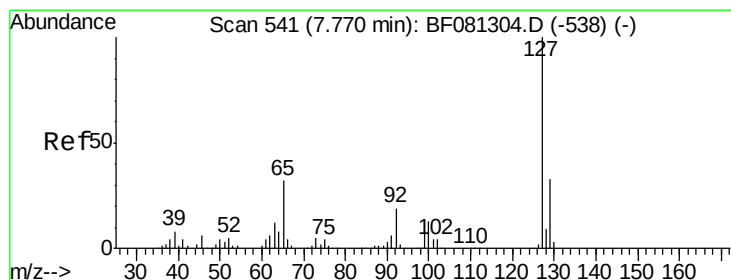
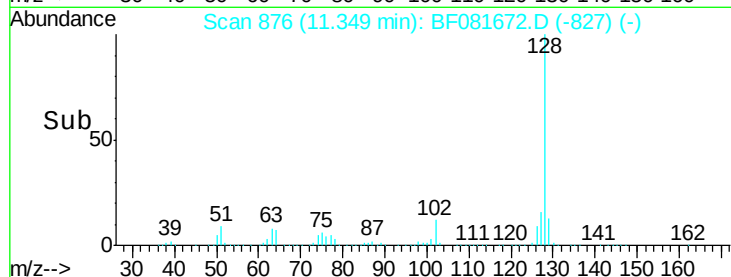
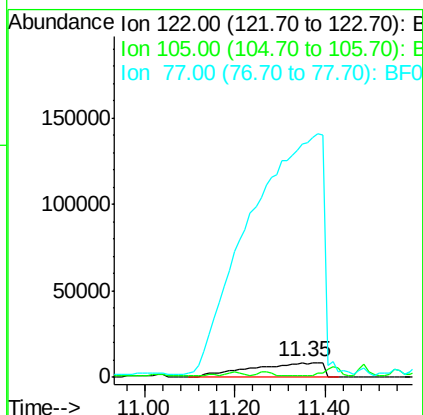
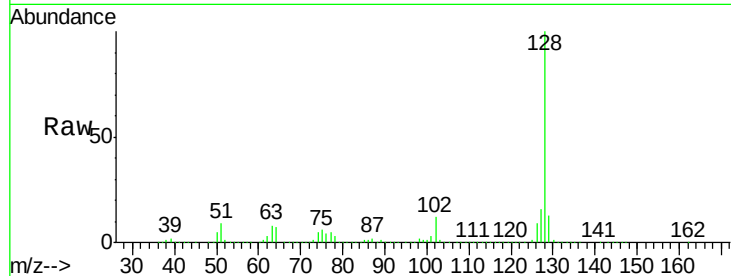




#32
Benzoic acid
Concen: 55.01 ng
RT: 11.35 min Scan# 876
Delta R.T. 0.26 min
Lab File: BF081672.D
Acq: 17 Sep 2015 8:29

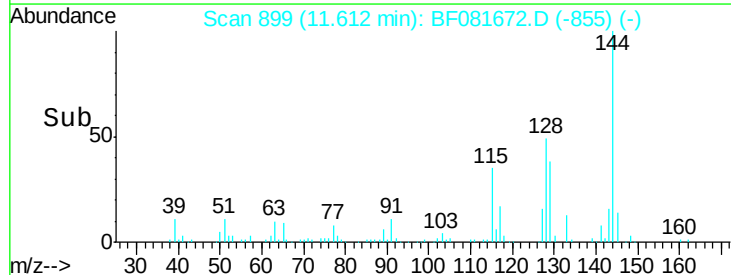
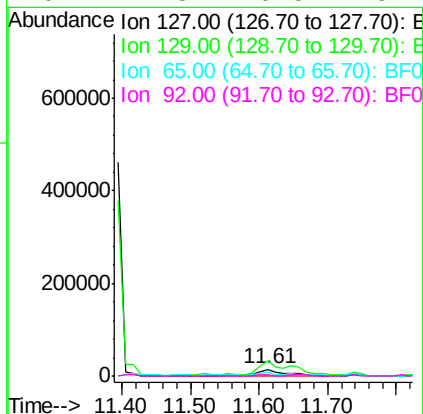
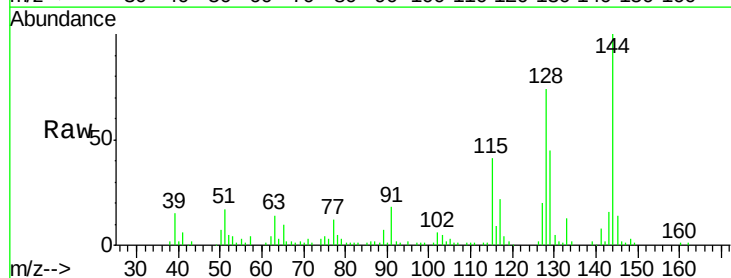
Instrument :
BNA_F
ClientSampleId :
MGP204(20-22)

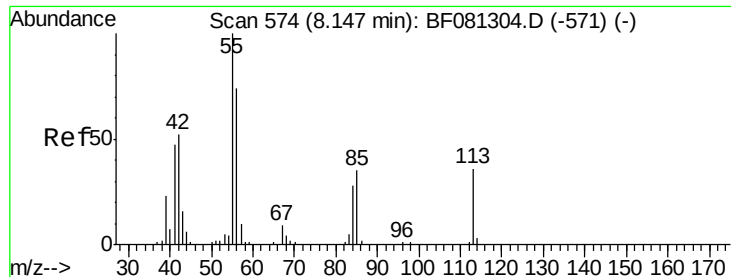
Tgt Ion:122 Resp: 93740
Ion Ratio Lower Upper
122 100
105 15.0 76.1 116.1#
77 1609.1 40.5 80.5#



#33
4-Chloroaniline
Concen: 12.47 ng
RT: 11.61 min Scan# 899
Delta R.T. 0.21 min
Lab File: BF081672.D
Acq: 17 Sep 2015 8:29

Tgt Ion:127 Resp: 39689
Ion Ratio Lower Upper
127 100
129 228.5 25.8 38.6#
65 52.7 17.9 26.9#
92 11.3 10.5 15.7





#35

Caprolactam

Concen: 10.15 ng

RT: 12.50 min Scan# 977

Delta R.T. 0.11 min

Lab File: BF081672.D

Acq: 17 Sep 2015 8:29

Instrument :

BNA_F

ClientSampleId :

MGP204(20-22)

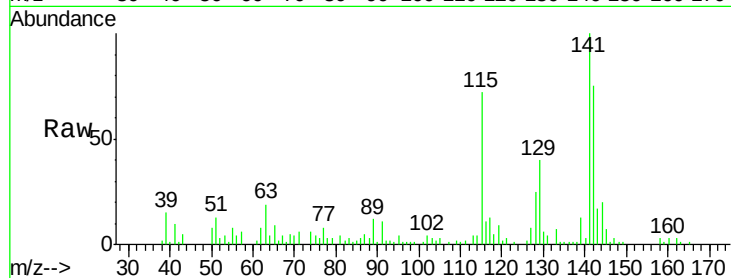
Tgt Ion:113 Resp: 6400

Ion Ratio Lower Upper

113 100

55 181.7 152.4 192.4

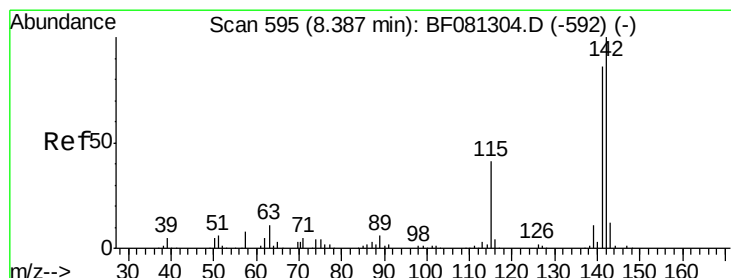
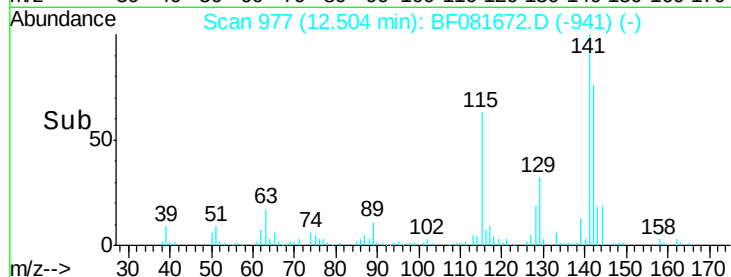
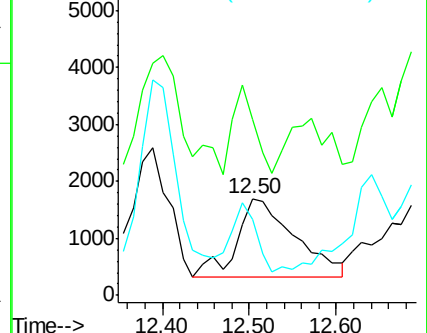
56 79.1 104.6 144.6#



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: 2552.19 ng

RT: 12.98 min Scan# 1019

Delta R.T. 0.16 min

Lab File: BF081672.D

Acq: 17 Sep 2015 8:29

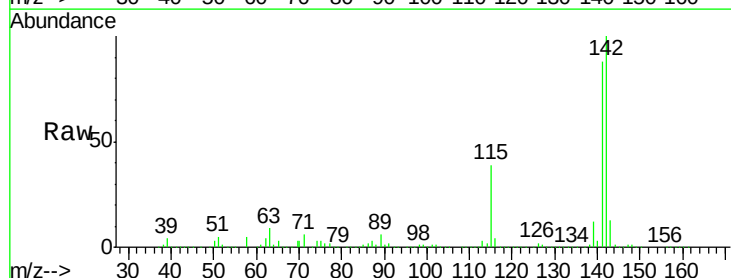
Tgt Ion:142 Resp:12955194

Ion Ratio Lower Upper

142 100

141 88.3 67.5 101.3

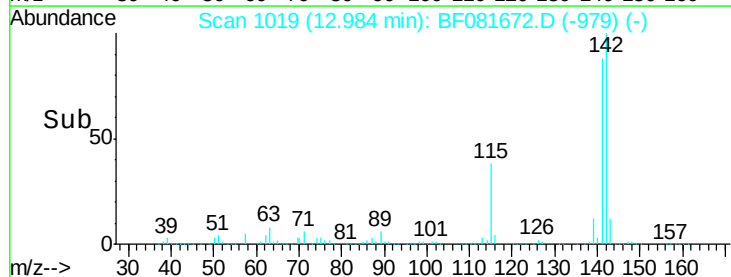
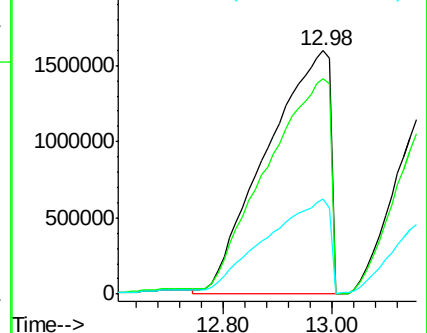
115 39.2 18.2 27.2#

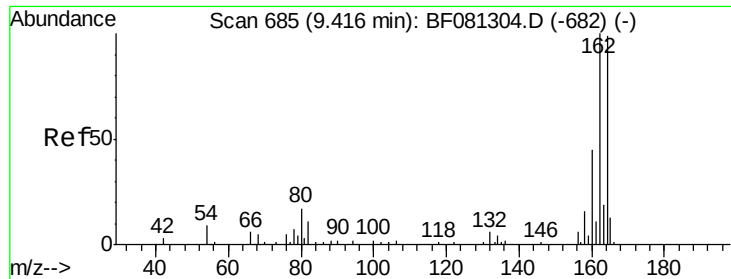


Abundance Ion 142.00 (141.70 to 142.70): E

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: 15.26 min Scan# 1218

Delta R.T. -0.00 min

Lab File: BF081672.D

Acq: 17 Sep 2015 8:29

Instrument :

BNA_F

ClientSampleId :

MGP204(20-22)

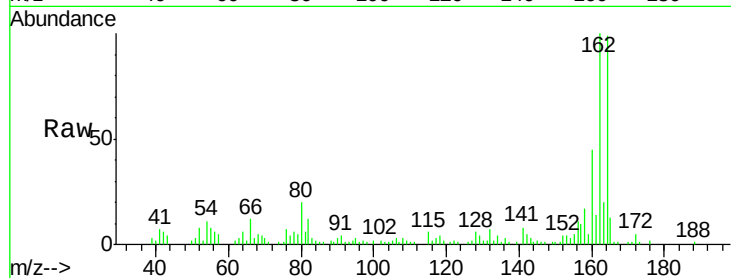
Tgt Ion:164 Resp: 68961

Ion Ratio Lower Upper

164 100

162 101.5 75.2 112.8

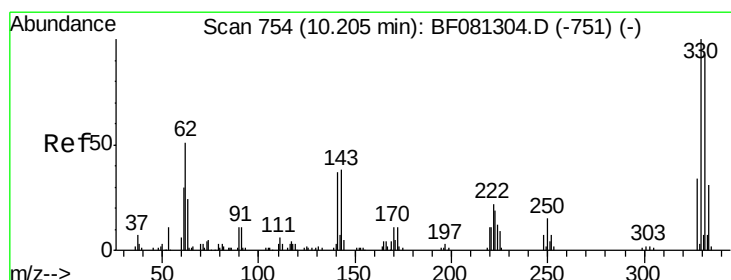
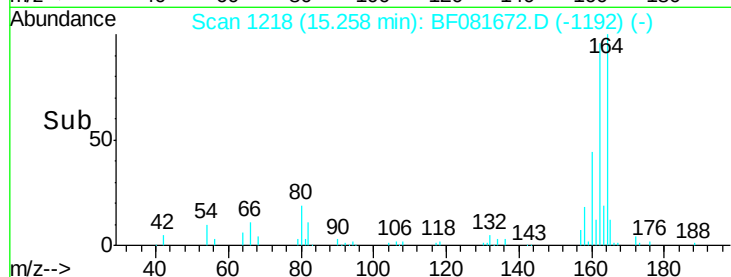
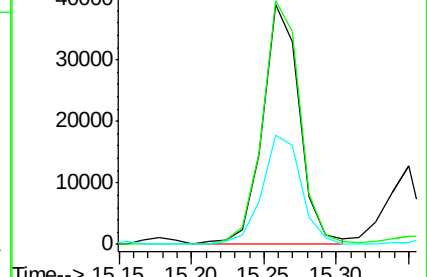
160 45.6 31.5 47.3



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: 108.81 ng

RT: 17.17 min Scan# 1385

Delta R.T. -0.00 min

Lab File: BF081672.D

Acq: 17 Sep 2015 8:29

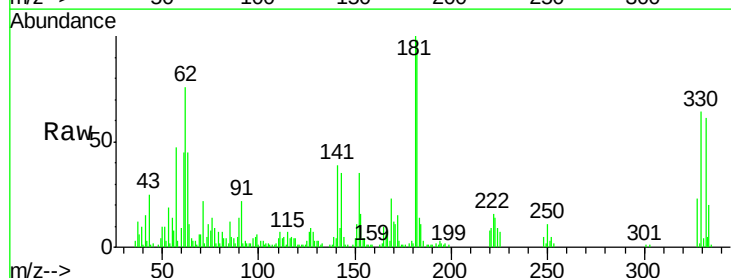
Tgt Ion:330 Resp: 66810

Ion Ratio Lower Upper

330 100

332 95.6 76.6 114.8

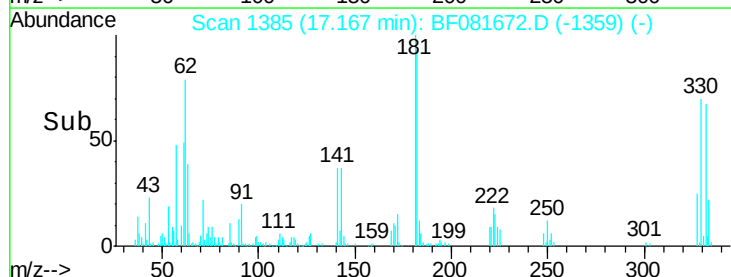
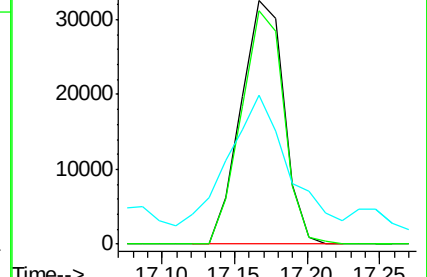
141 81.3 29.7 44.5#

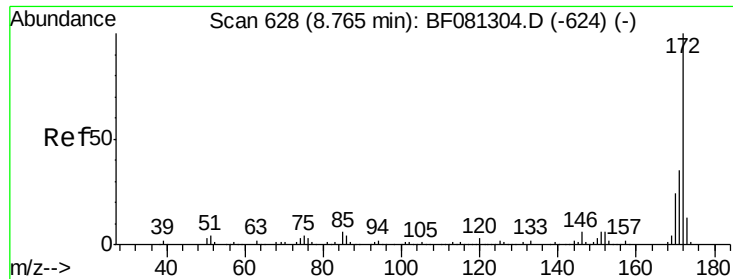


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

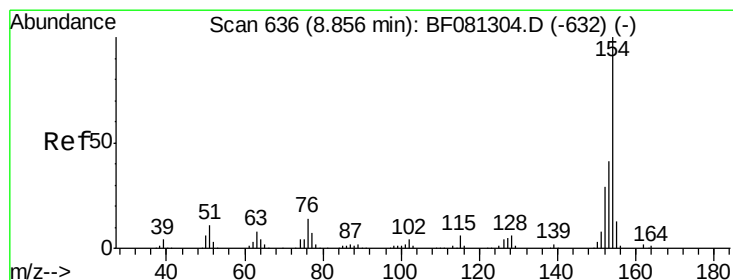
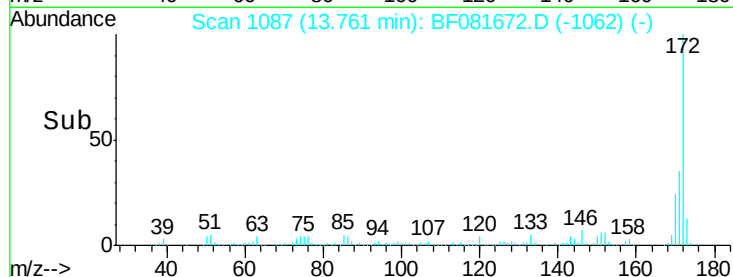
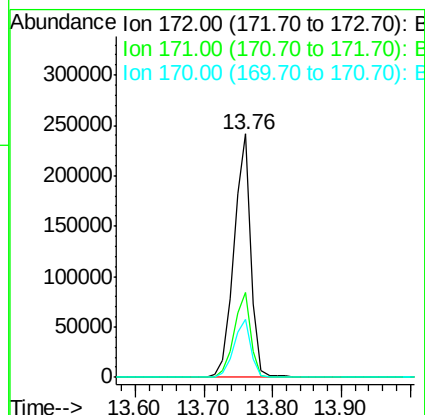
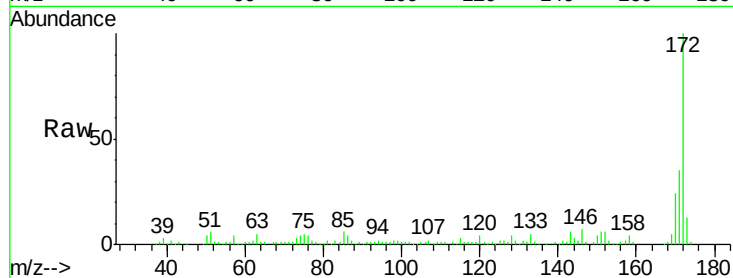




#44
 2-Fluorobiphenyl
 Concen: 77.63 ng
 RT: 13.76 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: BF081672.D
 Acq: 17 Sep 2015 8:29

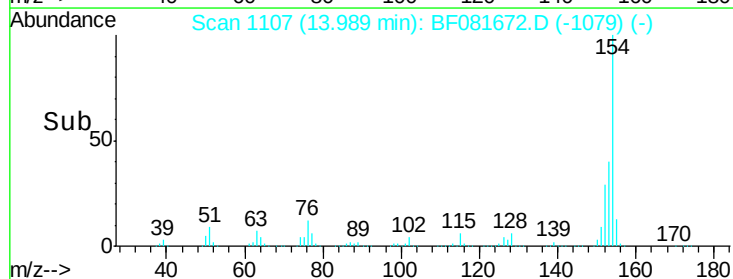
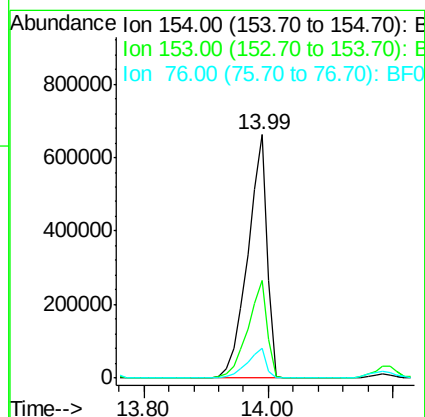
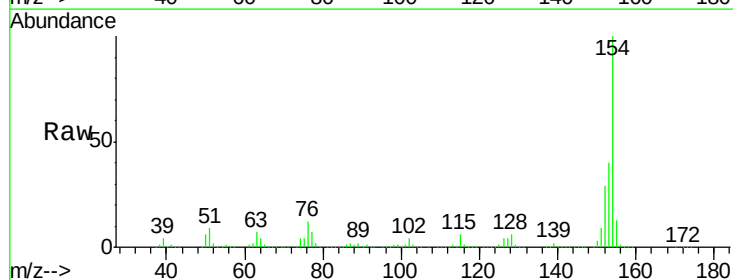
Instrument :
 BNA_F
 ClientSampleId :
 MGP204(20-22)

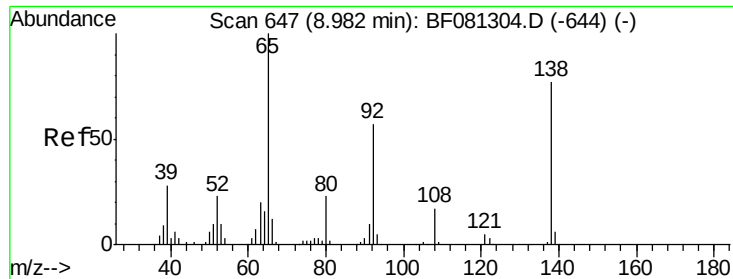
Tgt Ion:172 Resp: 417762
 Ion Ratio Lower Upper
 172 100
 171 34.9 26.1 39.1
 170 23.8 17.4 26.2



#45
 1,1'-Biphenyl
 Concen: 226.38 ng
 RT: 13.99 min Scan# 1107
 Delta R.T. 0.02 min
 Lab File: BF081672.D
 Acq: 17 Sep 2015 8:29

Tgt Ion:154 Resp: 1436262
 Ion Ratio Lower Upper
 154 100
 153 40.4 17.1 57.1
 76 12.3 0.0 31.6





#47

2-Nitroaniline

Concen: 27.18 ng

RT: 14.40 min Scan# 1143

Delta R.T. 0.09 min

Lab File: BF081672.D

Acq: 17 Sep 2015 8:29

Instrument :

BNA_F

ClientSampleId :

MGP204(20-22)

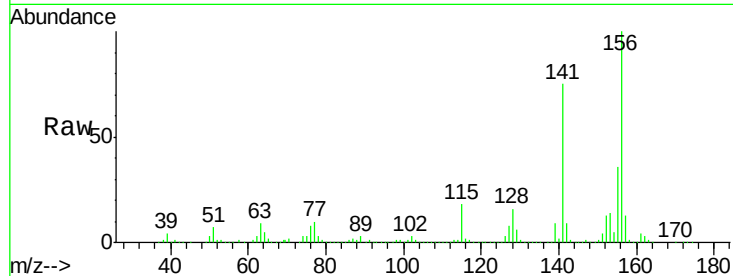
Tgt Ion: 65 Resp: 50756

Ion Ratio Lower Upper

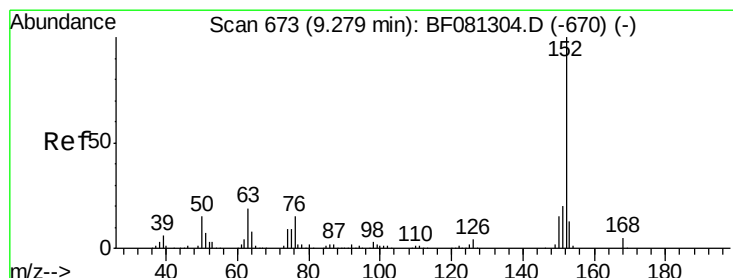
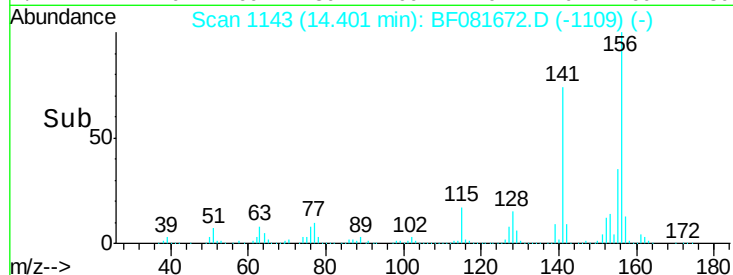
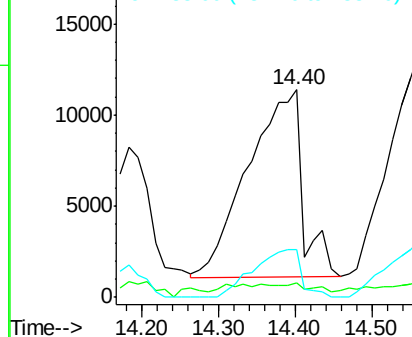
65 100

92 7.1 55.4 83.0#

138 23.2 115.5 173.3#



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#48

Acenaphthylene

Concen: 768.46 ng

RT: 15.01 min Scan# 1196

Delta R.T. 0.09 min

Lab File: BF081672.D

Acq: 17 Sep 2015 8:29

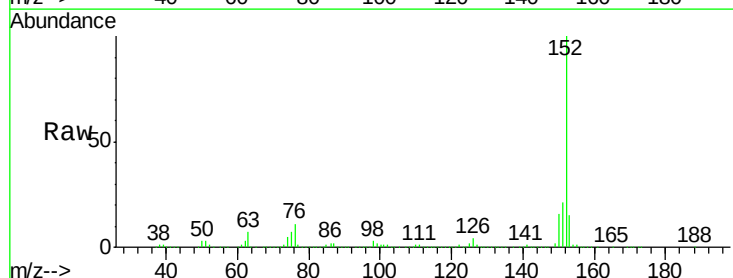
Tgt Ion: 152 Resp: 6246248

Ion Ratio Lower Upper

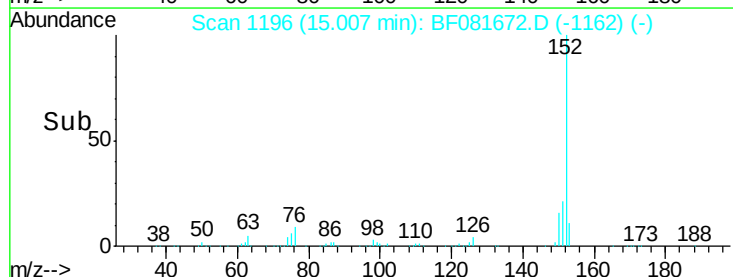
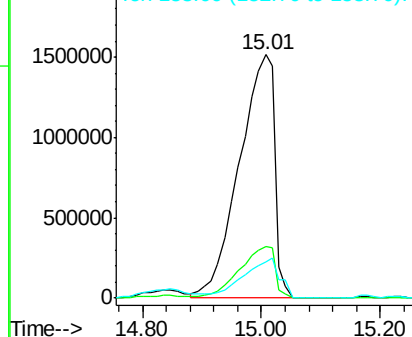
152 100

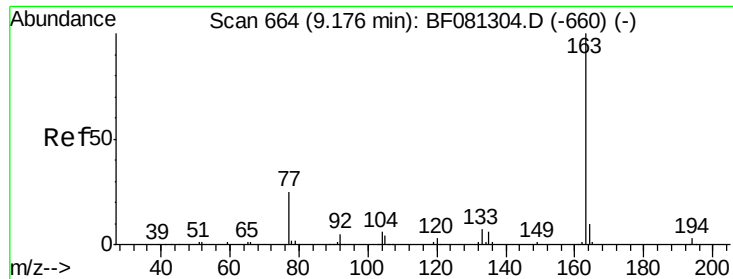
151 21.3 14.6 22.0

153 15.0 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: 11.85 ng

RT: 14.87 min Scan# 1184

Delta R.T. 0.01 min

Lab File: BF081672.D

Acq: 17 Sep 2015 8:29

Instrument :

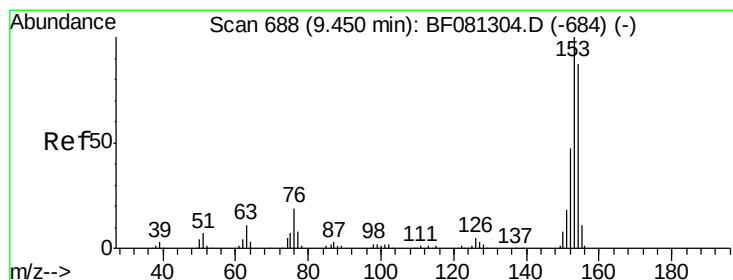
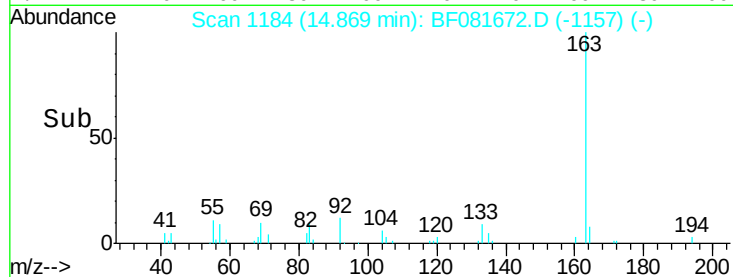
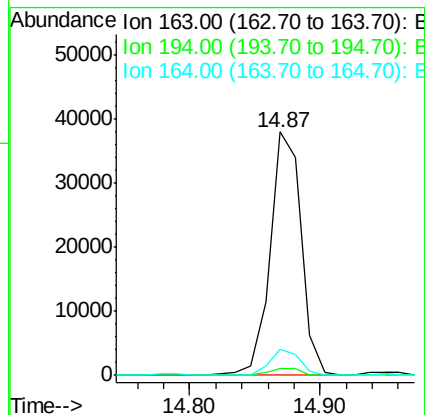
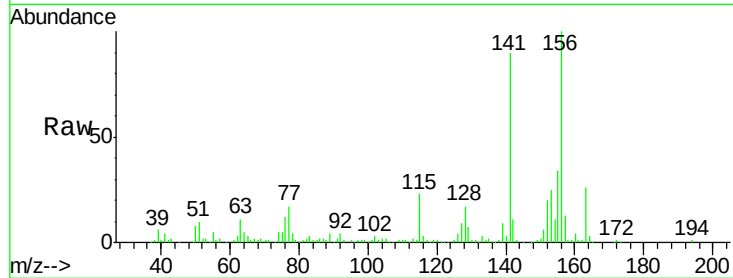
BNA_F

ClientSampleId :

MGP204(20-22)

Tgt Ion:163 Resp: 63514

Ion	Ratio	Lower	Upper
163	100		
194	3.0	4.4	6.6#
164	10.6	8.3	12.5



#51

Acenaphthene

Concen: 133.34 ng

RT: 15.36 min Scan# 1227

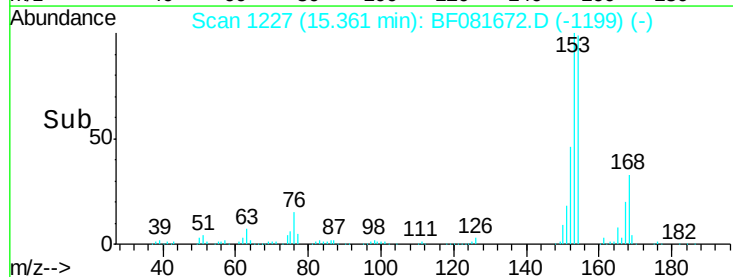
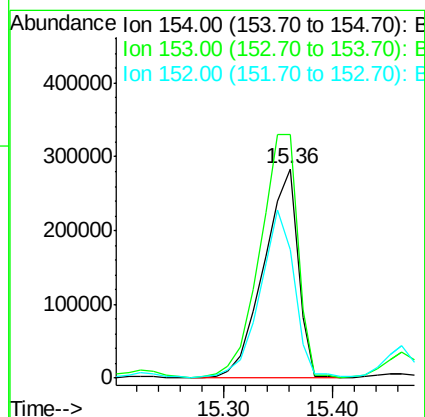
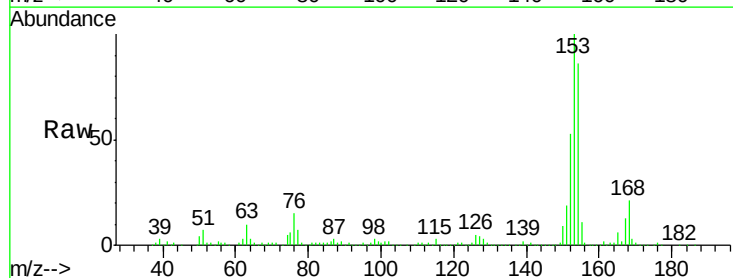
Delta R.T. 0.02 min

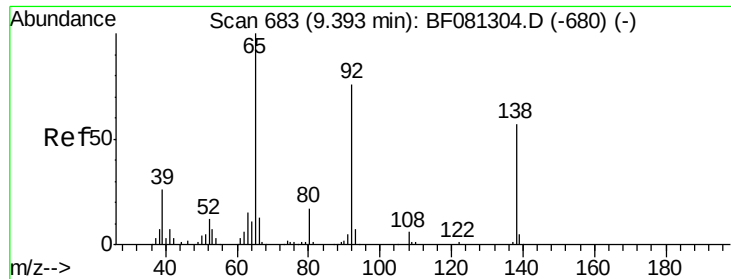
Lab File: BF081672.D

Acq: 17 Sep 2015 8:29

Tgt Ion:154 Resp: 616567

Ion	Ratio	Lower	Upper
154	100		
153	116.2	82.1	123.1
152	61.0	37.9	56.9#





#52

3-Nitroaniline

Concen: 2.78 ng

RT: 15.35 min Scan# 1226

Delta R.T. 0.03 min

Lab File: BF081672.D

Acq: 17 Sep 2015 8:29

Instrument :

BNA_F

ClientSampleId :

MGP204(20-22)

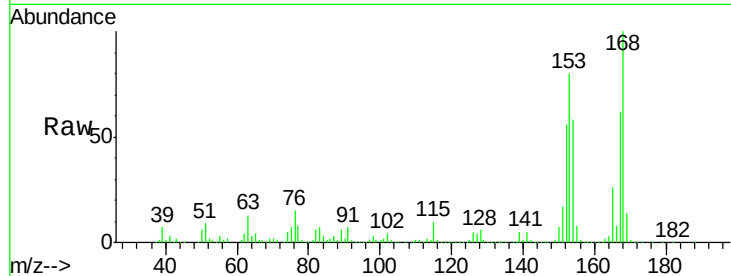
Tgt Ion:138 Resp: 3855

Ion Ratio Lower Upper

138 100

108 0.0 5.7 8.5#

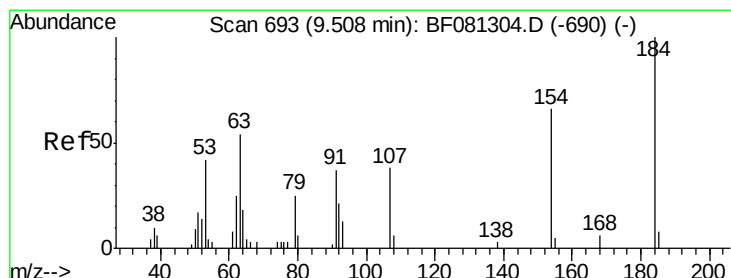
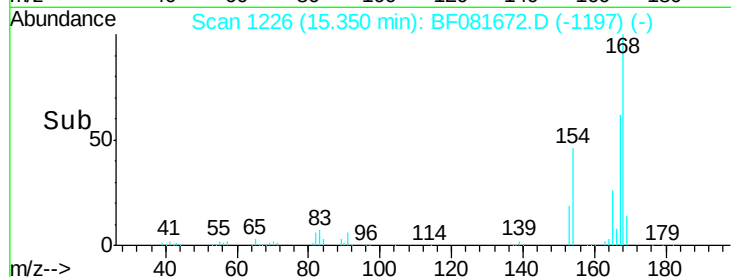
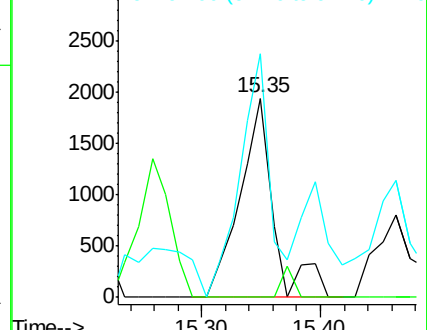
92 122.3 67.7 101.5#



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: 7.43 ng

RT: 15.60 min Scan# 1248

Delta R.T. 0.01 min

Lab File: BF081672.D

Acq: 17 Sep 2015 8:29

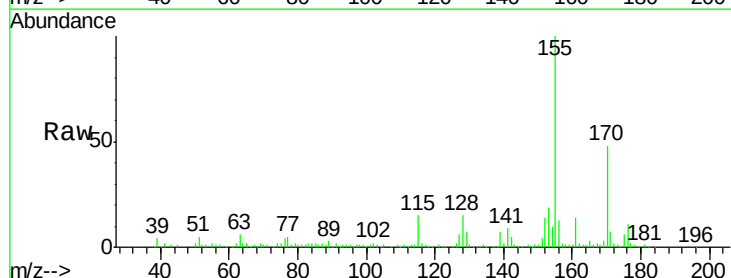
Tgt Ion:184 Resp: 470

Ion Ratio Lower Upper

184 100

63 2400.3 35.4 53.2#

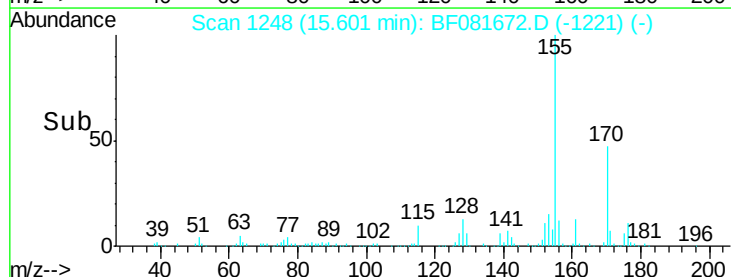
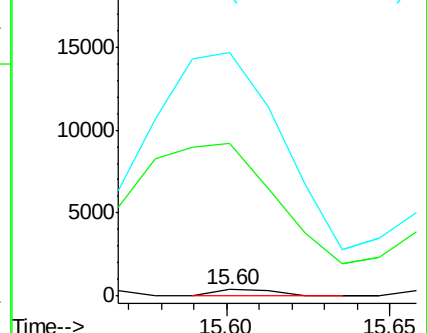
154 3837.2 32.2 48.4#

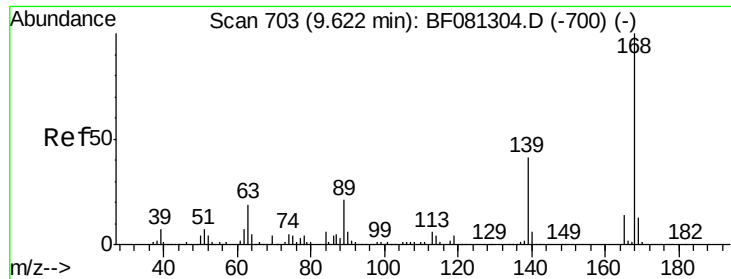


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 54.97 ng

RT: 15.76 min Scan# 1262

Delta R.T. -0.00 min

Lab File: BF081672.D

Acq: 17 Sep 2015 8:29

Instrument :

BNA_F

ClientSampleId :

MGP204(20-22)

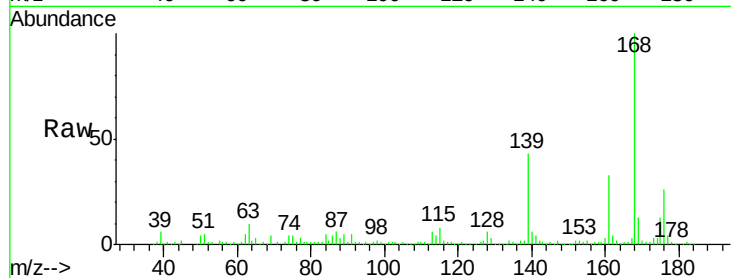
Tgt Ion:168 Resp: 371155

Ion Ratio Lower Upper

168 100

139 43.4 24.2 36.2#

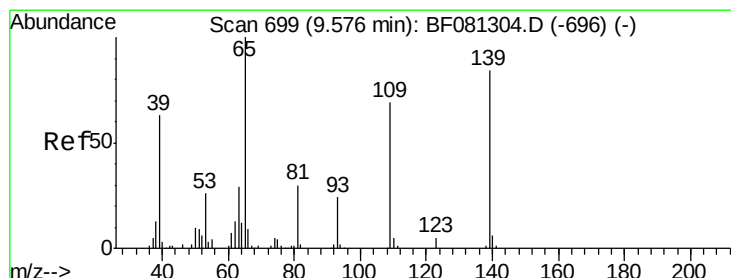
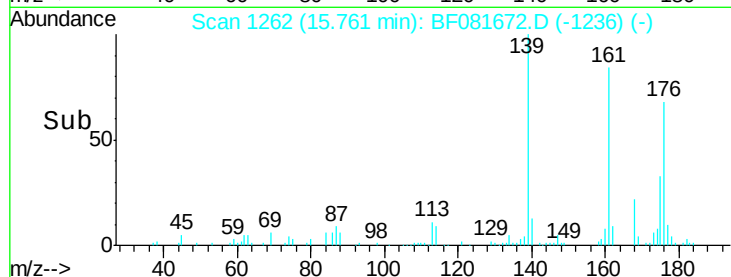
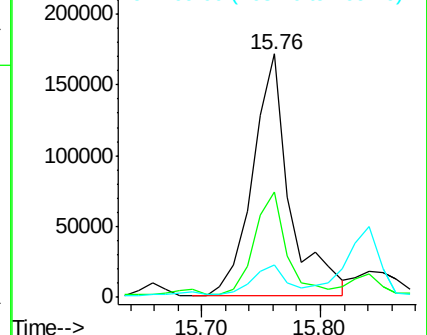
169 13.4 10.6 15.8



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: 24.00 ng

RT: 15.93 min Scan# 1277

Delta R.T. 0.01 min

Lab File: BF081672.D

Acq: 17 Sep 2015 8:29

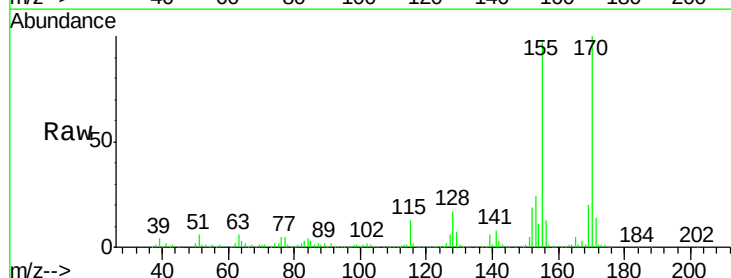
Tgt Ion:139 Resp: 20878

Ion Ratio Lower Upper

139 100

109 6.2 12.7 52.7#

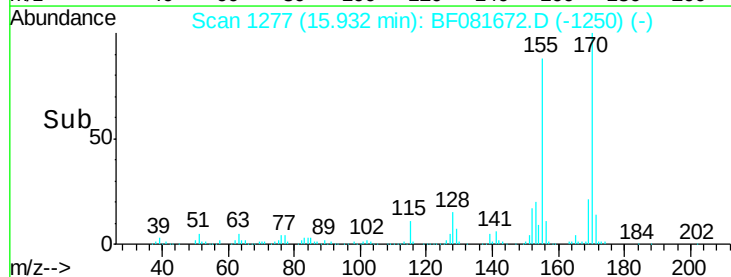
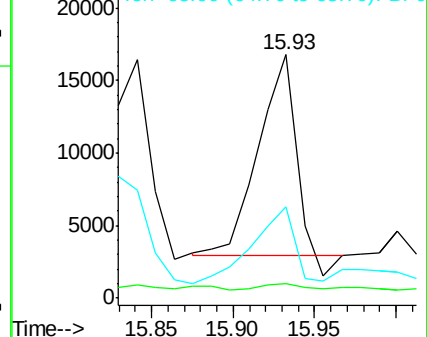
65 37.3 45.9 85.9#

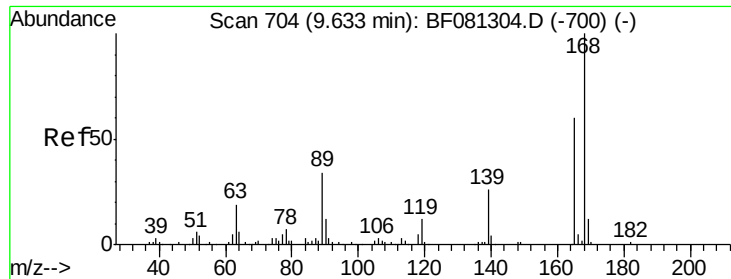


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#56

2,4-Dinitrotoluene

Concen: 11.55 ng

RT: 15.93 min Scan# 1277

Delta R.T. 0.03 min

Lab File: BF081672.D

Acq: 17 Sep 2015 8:29

Instrument :

BNA_F

ClientSampleId :

MGP204(20-22)

Tgt Ion:165 Resp: 17885

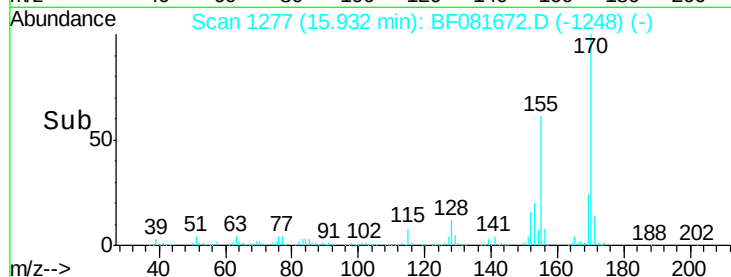
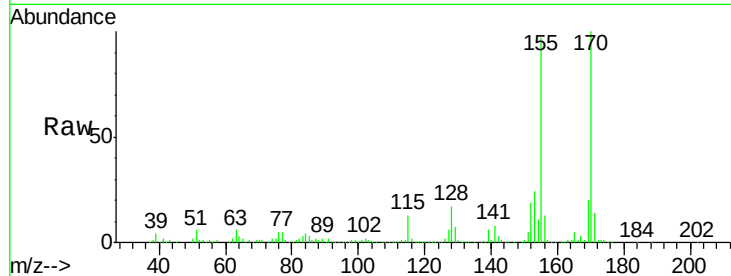
Ion Ratio Lower Upper

165 100

63 122.8 29.8 44.6#

89 47.4 44.5 66.7

182 0.0 3.0 4.4#

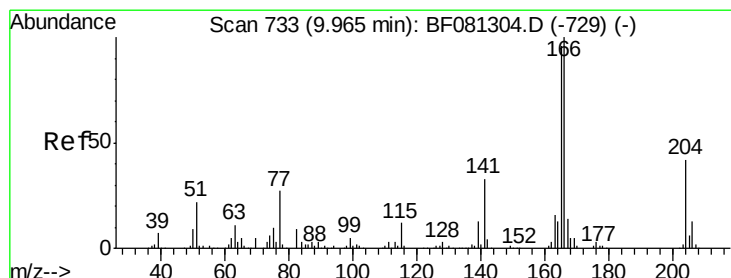
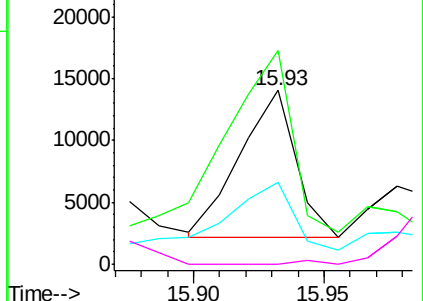


Abundance Ion 165.00 (164.70 to 165.70): E

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: 149.76 ng

RT: 16.53 min Scan# 1329

Delta R.T. -0.05 min

Lab File: BF081672.D

Acq: 17 Sep 2015 8:29

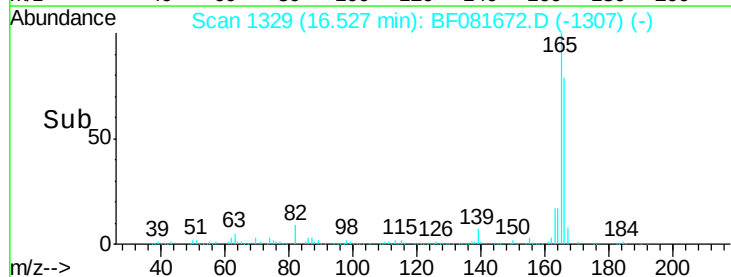
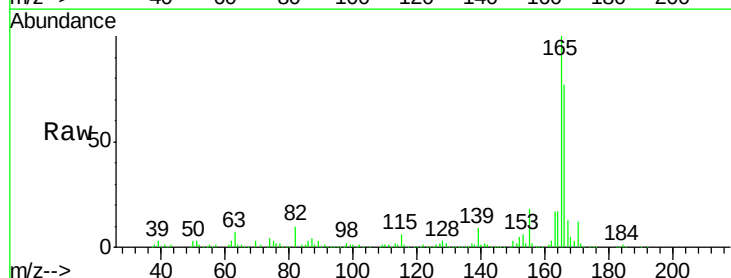
Tgt Ion:166 Resp: 767347

Ion Ratio Lower Upper

166 100

165 129.6 72.6 109.0#

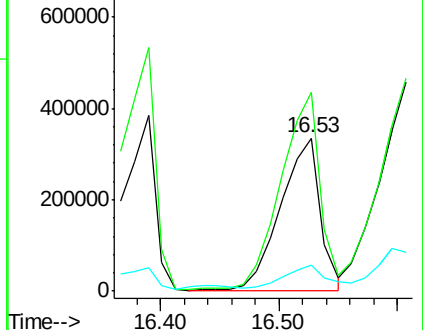
167 17.1 10.6 16.0#

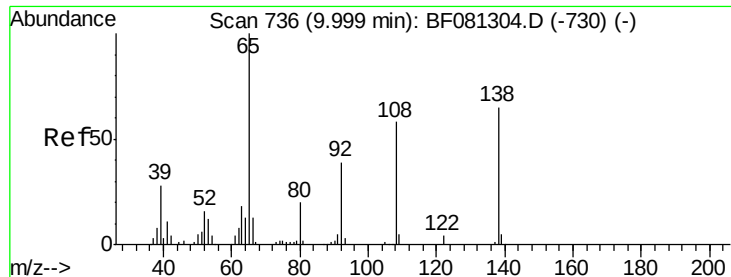


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#61

4-Nitroaniline

Concen: 2.12 ng

RT: 16.72 min Scan# 1346

Delta R.T. -0.06 min

Lab File: BF081672.D

Acq: 17 Sep 2015 8:29

Instrument :

BNA_F

ClientSampleId :

MGP204(20-22)

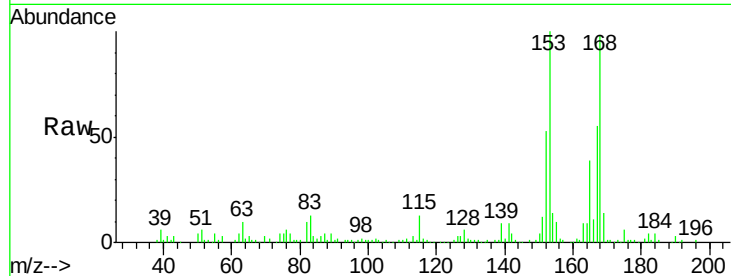
Tgt Ion:138 Resp: 2963

Ion Ratio Lower Upper

138 100

92 0.0 12.6 52.6#

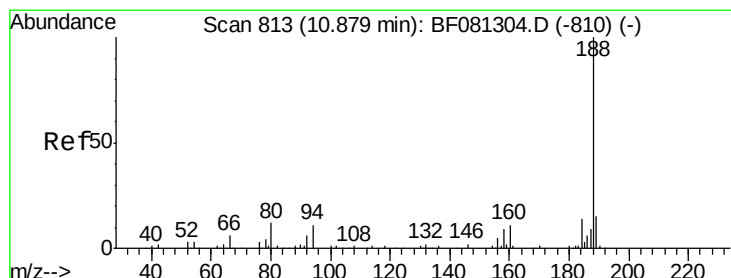
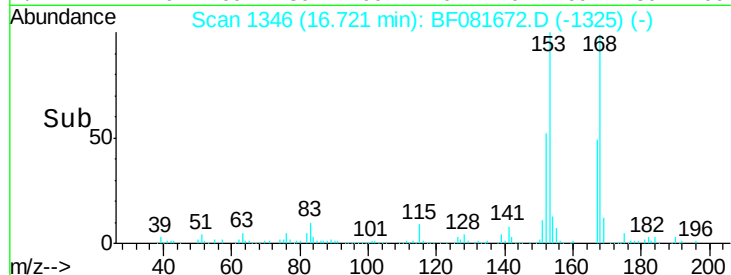
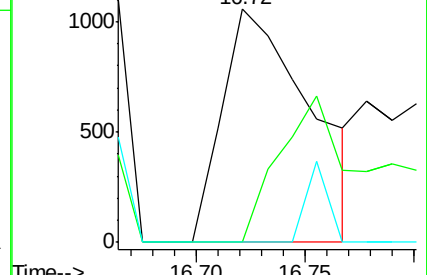
108 0.0 12.4 52.4#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 18.76 min Scan# 1524

Delta R.T. -0.00 min

Lab File: BF081672.D

Acq: 17 Sep 2015 8:29

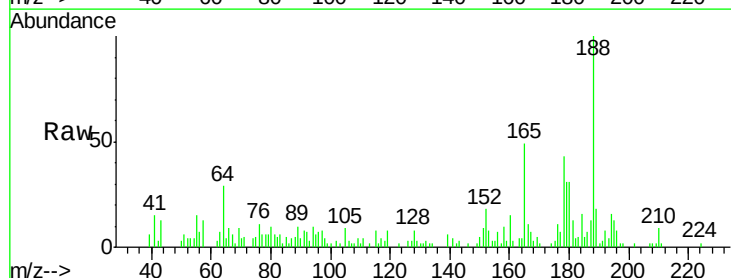
Tgt Ion:188 Resp: 54491

Ion Ratio Lower Upper

188 100

94 9.9 11.1 16.7#

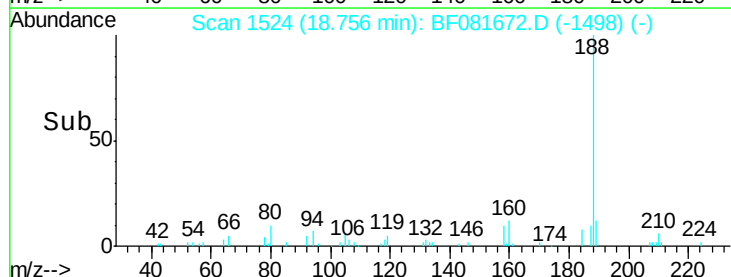
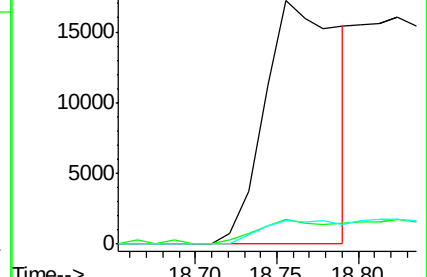
80 9.8 11.0 16.4#

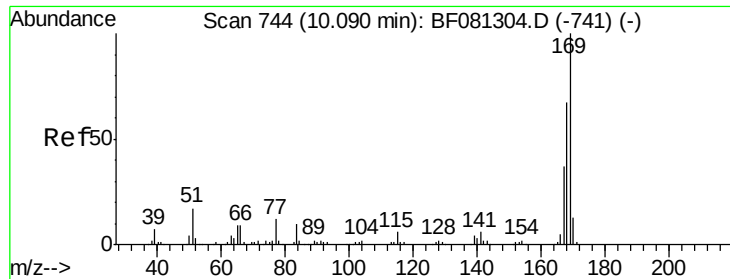


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

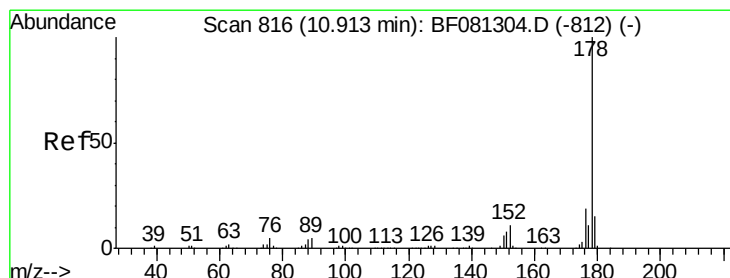
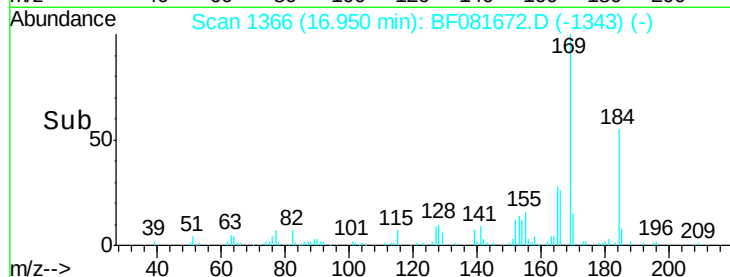
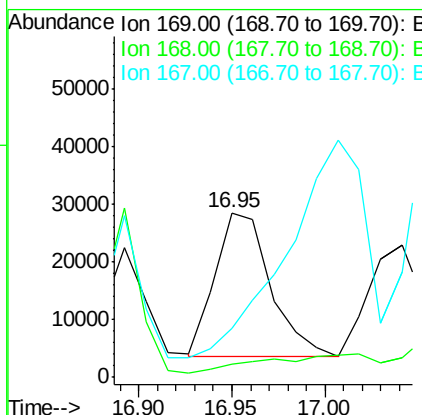
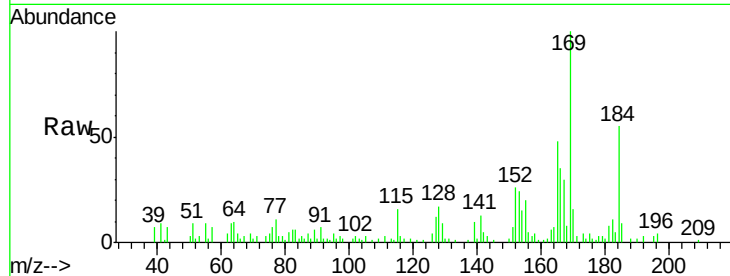




#65
 n-Nitrosodiphenylamine
 Concen: 25.93 ng
 RT: 16.95 min Scan# 1366
 Delta R.T. -0.03 min
 Lab File: BF081672.D
 Acq: 17 Sep 2015 8:29

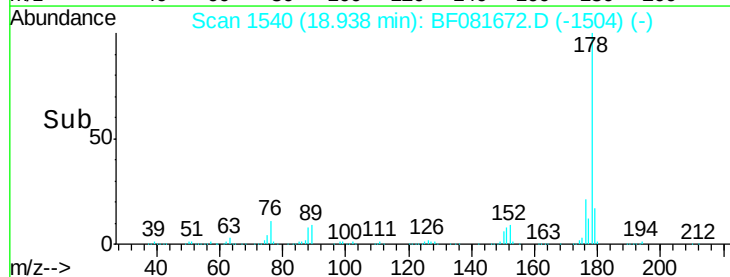
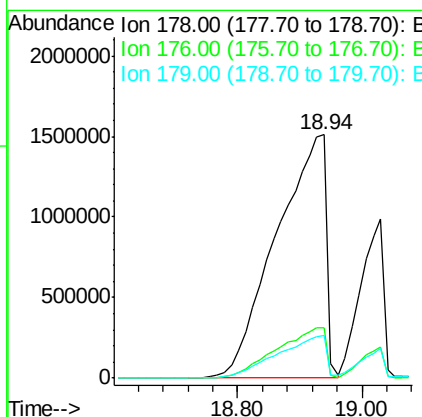
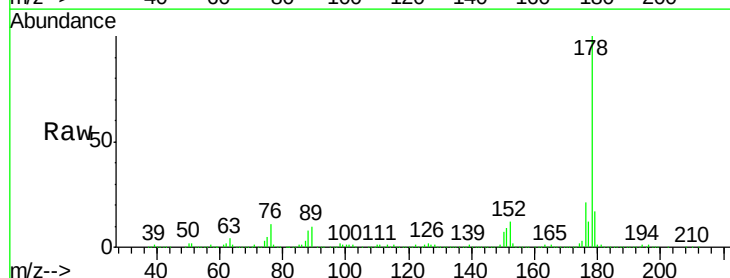
Instrument :
 BNA_F
 ClientSampleId :
 MGP204(20-22)

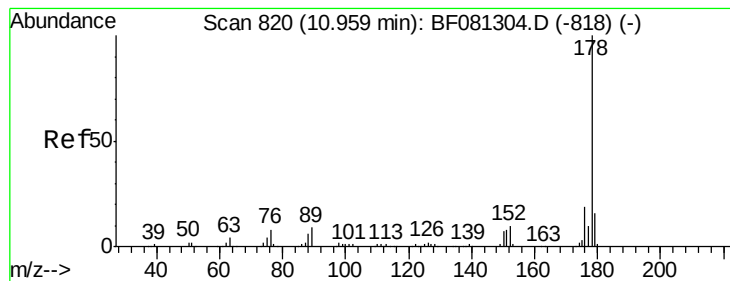
Tgt Ion:169 Resp: 51406
 Ion Ratio Lower Upper
 169 100
 168 8.3 48.9 73.3#
 167 29.9 26.2 39.4



#70
 Phenanthrene
 Concen: 2747.50 ng
 RT: 18.94 min Scan# 1540
 Delta R.T. 0.11 min
 Lab File: BF081672.D
 Acq: 17 Sep 2015 8:29

Tgt Ion:178 Resp: 8323269
 Ion Ratio Lower Upper
 178 100
 176 20.7 13.8 20.8
 179 17.4 12.2 18.2





#71

Anthracene

Concen: 2674.28 ng

RT: 18.94 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BF081672.D

Acq: 17 Sep 2015 8:29

Instrument :

BNA_F

ClientSampleId :

MGP204(20-22)

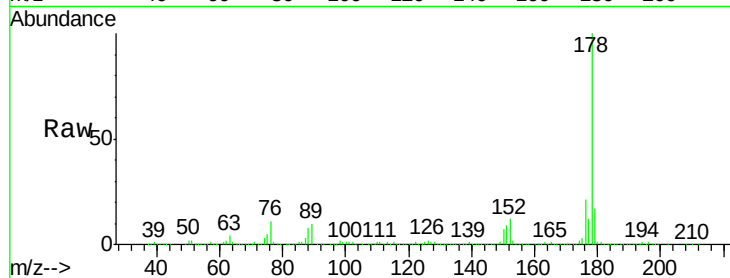
Tgt Ion:178 Resp: 8323269

Ion Ratio Lower Upper

178 100

176 20.7 14.1 21.1

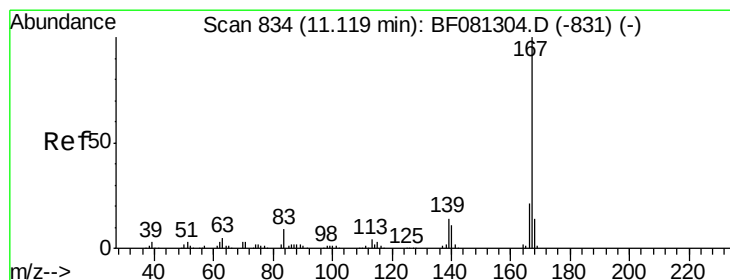
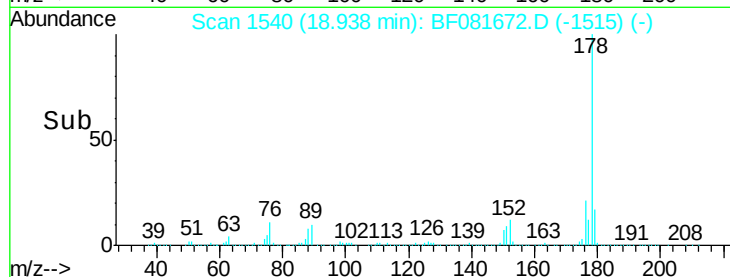
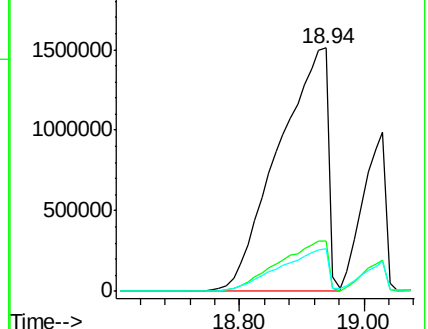
179 17.4 12.2 18.2



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: 31.85 ng

RT: 19.43 min Scan# 1583

Delta R.T. 0.01 min

Lab File: BF081672.D

Acq: 17 Sep 2015 8:29

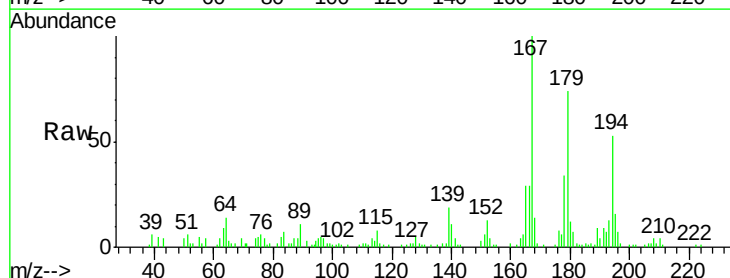
Tgt Ion:167 Resp: 93033

Ion Ratio Lower Upper

167 100

166 29.2 15.7 23.5#

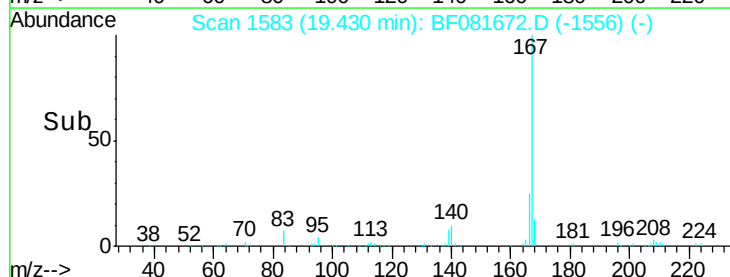
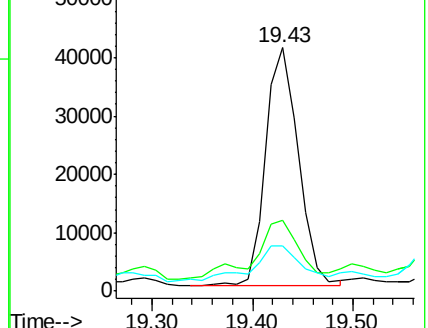
139 18.5 9.5 14.3#

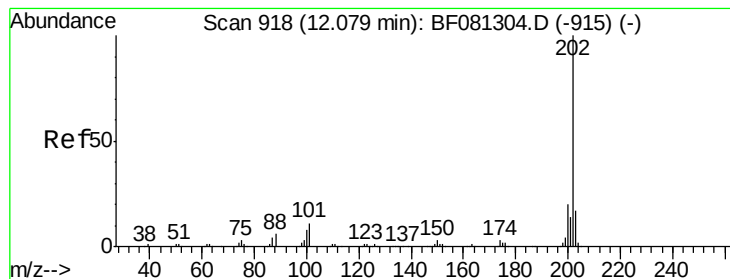


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 693.41 ng

RT: 21.49 min Scan# 1763

Delta R.T. 0.06 min

Lab File: BF081672.D

Acq: 17 Sep 2015 8:29

Instrument :

BNA_F

ClientSampleId :

MGP204(20-22)

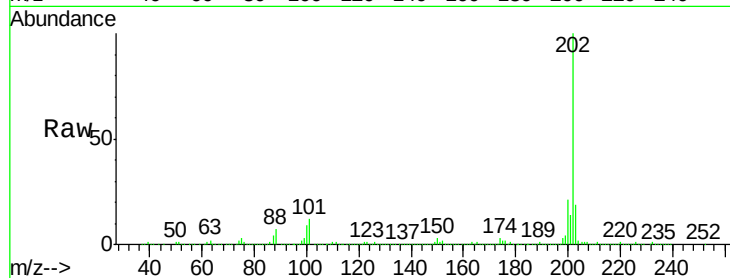
Tgt Ion:202 Resp: 2274020

Ion Ratio Lower Upper

202 100

101 12.2 0.0 38.3

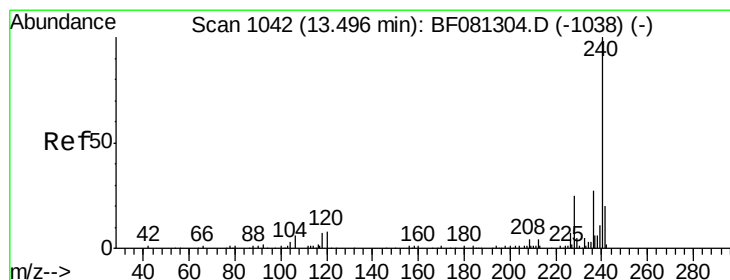
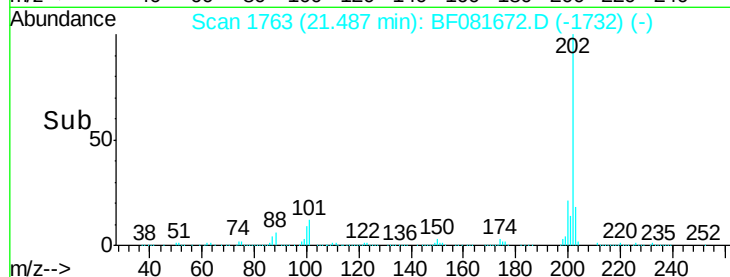
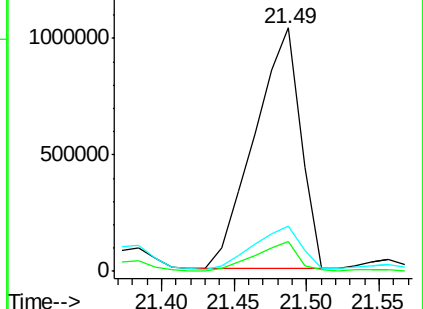
203 18.8 0.0 37.3



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 23.41 min Scan# 1931

Delta R.T. 0.02 min

Lab File: BF081672.D

Acq: 17 Sep 2015 8:29

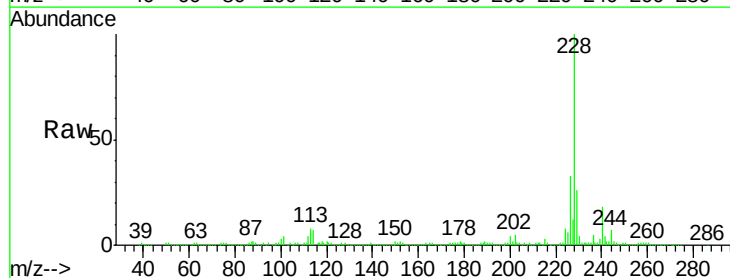
Tgt Ion:240 Resp: 117827

Ion Ratio Lower Upper

240 100

120 10.8 16.2 24.2#

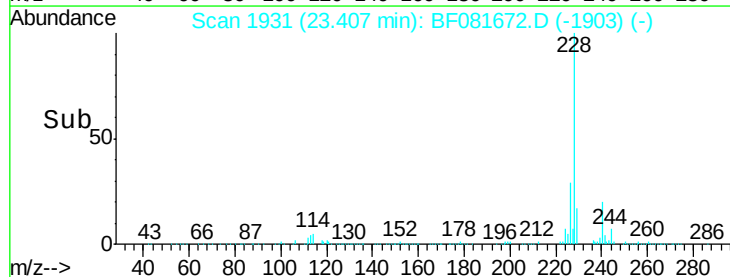
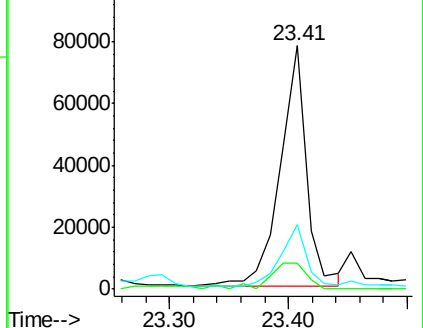
236 26.6 18.4 27.6

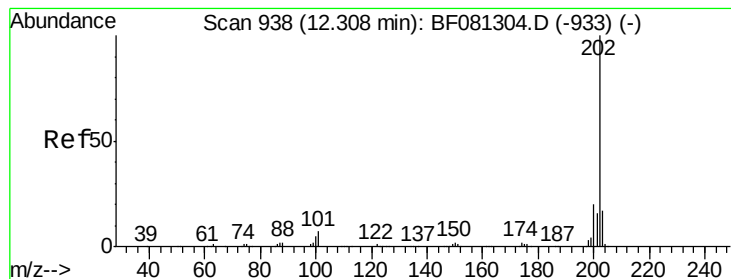


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 161.30 ng

RT: 21.64 min Scan# 1776

Delta R.T. -0.15 min

Lab File: BF081672.D

Acq: 17 Sep 2015 8:29

Instrument :

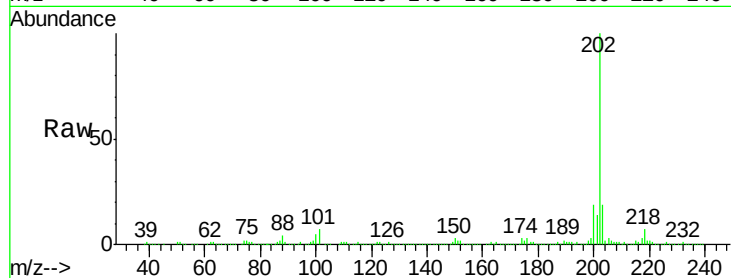
BNA_F

ClientSampleId :

MGP204(20-22)

Tgt Ion:202 Resp: 1407831

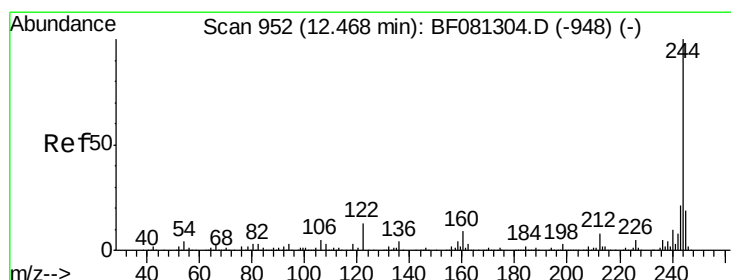
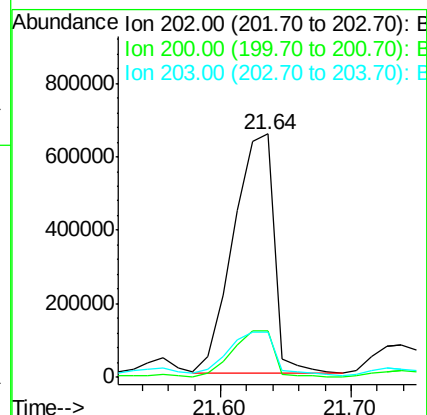
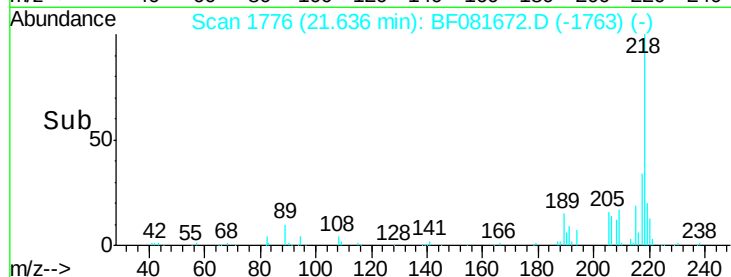
Ion	Ratio	Lower	Upper
202	100		
200	19.3	15.0	22.4
203	18.7	14.1	21.1



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: 61.20 ng

RT: 22.12 min Scan# 1818

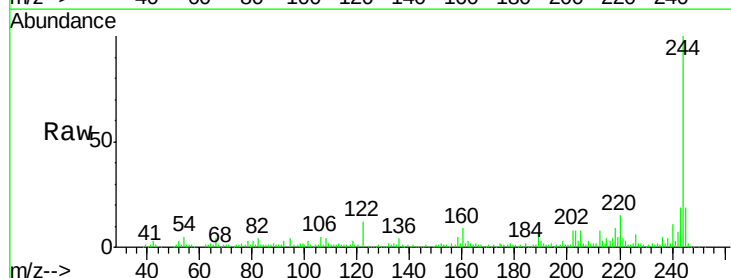
Delta R.T. -0.00 min

Lab File: BF081672.D

Acq: 17 Sep 2015 8:29

Tgt Ion:244 Resp: 309759

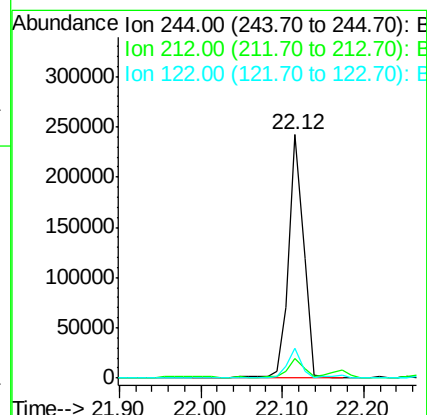
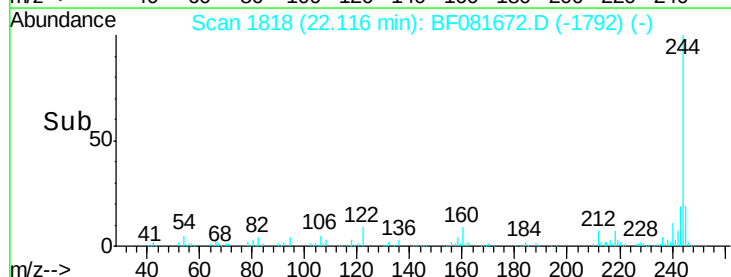
Ion	Ratio	Lower	Upper
244	100		
212	8.3	4.3	6.5#
122	12.0	17.4	26.2#

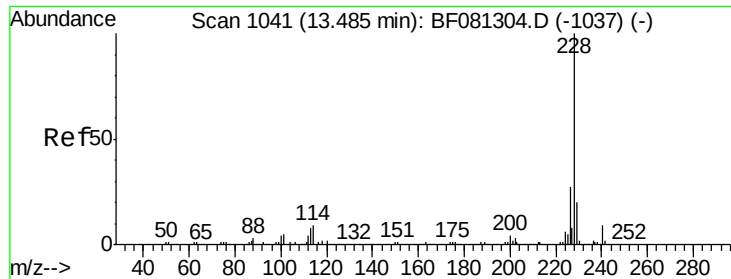


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 247.23 ng

RT: 23.40 min Scan# 1930

Delta R.T. 0.02 min

Lab File: BF081672.D

Acq: 17 Sep 2015 8:29

Instrument :

BNA_F

ClientSampleId :

MGP204(20-22)

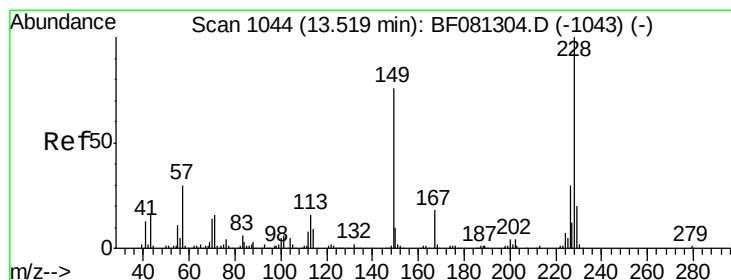
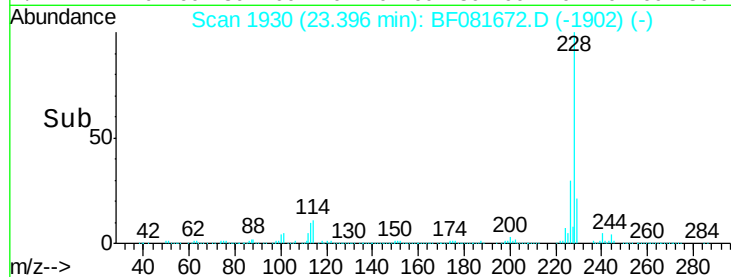
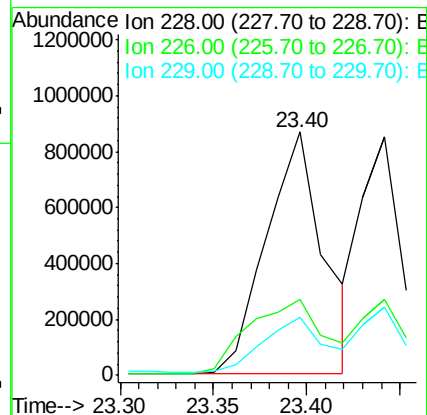
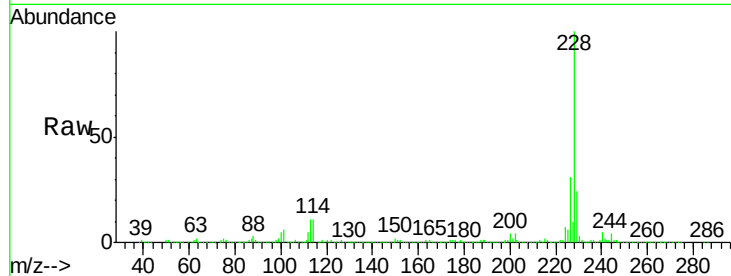
Tgt Ion:228 Resp: 1855114

Ion Ratio Lower Upper

228 100

226 31.1 20.0 30.0#

229 23.6 15.4 23.2#



#82

Chrysene

Concen: 182.28 ng

RT: 23.44 min Scan# 1934

Delta R.T. 0.02 min

Lab File: BF081672.D

Acq: 17 Sep 2015 8:29

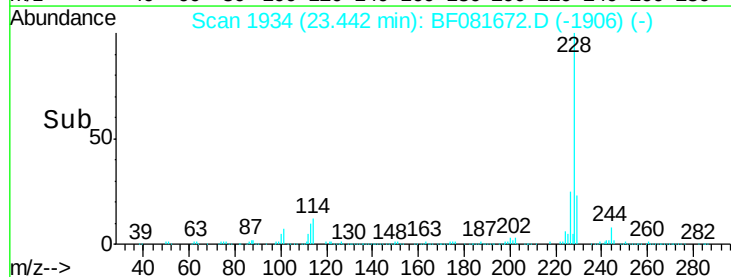
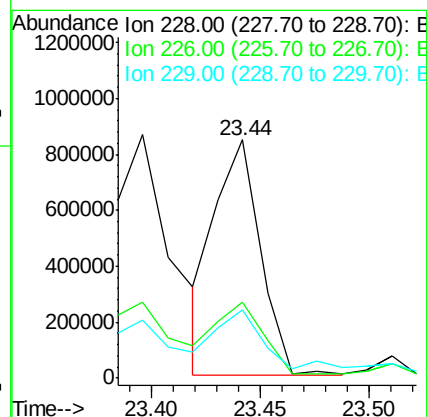
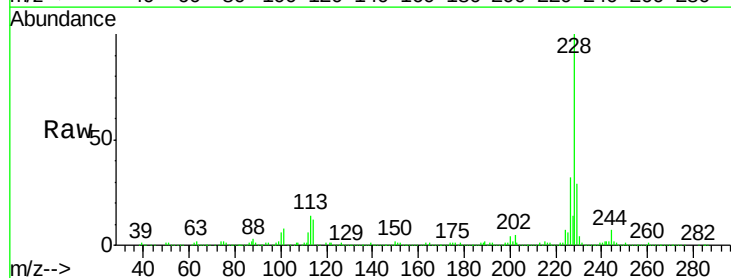
Tgt Ion:228 Resp: 1226061

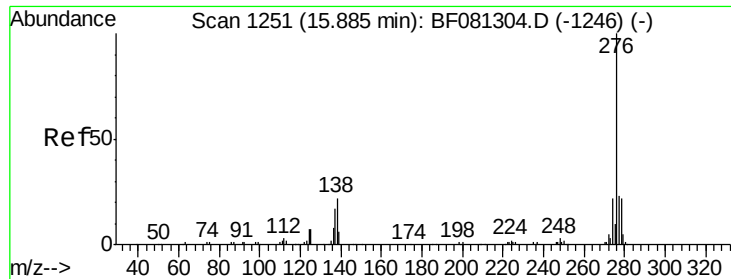
Ion Ratio Lower Upper

228 100

226 31.6 21.0 31.4#

229 28.8 15.6 23.4#





#85

Indeno(1,2,3-cd)pyrene

Concen: 37.93 ng

RT: 25.86 min Scan# 2146

Delta R.T. -0.01 min

Lab File: BF081672.D

Acq: 17 Sep 2015 8:29

Instrument :

BNA_F

ClientSampleId :

MGP204(20-22)

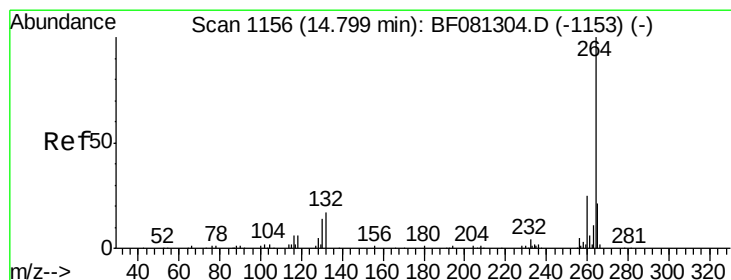
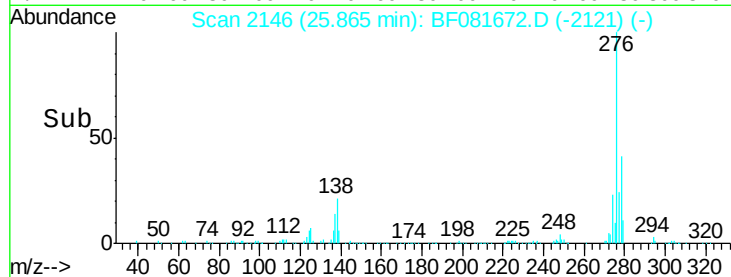
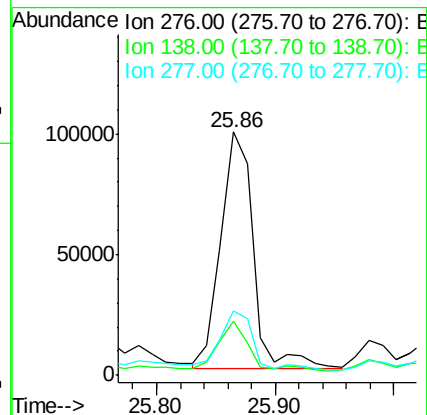
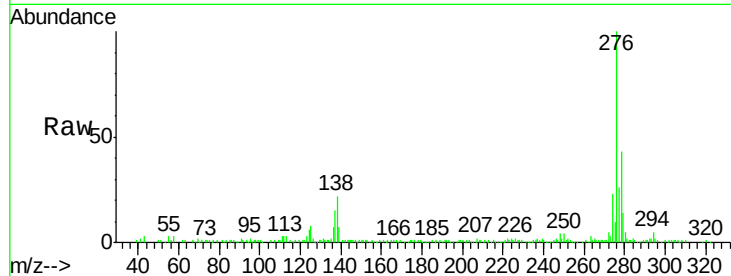
Tgt Ion:276 Resp: 187164

Ion Ratio Lower Upper

276 100

138 18.6 25.7 38.5#

277 25.5 15.6 23.4#



#86

Perylene-d12

Concen: 20.00 ng

RT: 24.82 min Scan# 2055

Delta R.T. 0.01 min

Lab File: BF081672.D

Acq: 17 Sep 2015 8:29

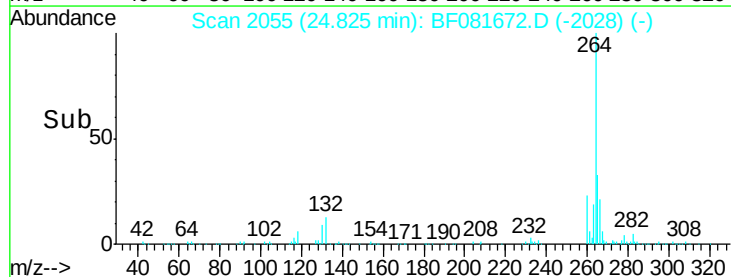
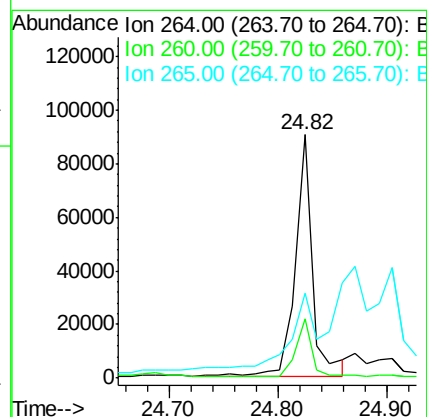
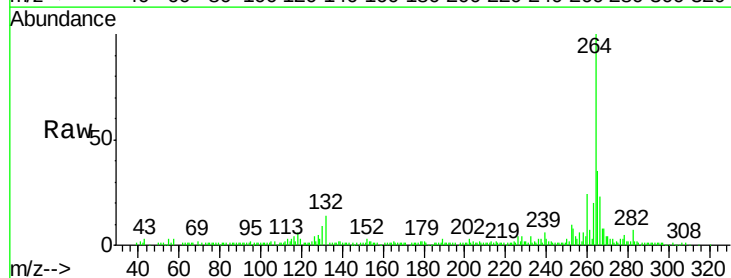
Tgt Ion:264 Resp: 99913

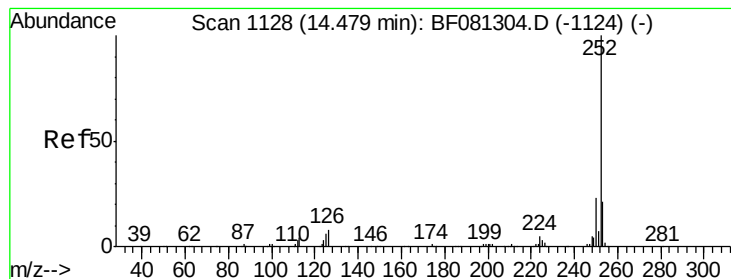
Ion Ratio Lower Upper

264 100

260 24.4 16.7 25.1

265 35.1 17.2 25.8#





#87

Benzo(b)fluoranthene

Concen: 120.45 ng

RT: 24.49 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BF081672.D

Acq: 17 Sep 2015 8:29

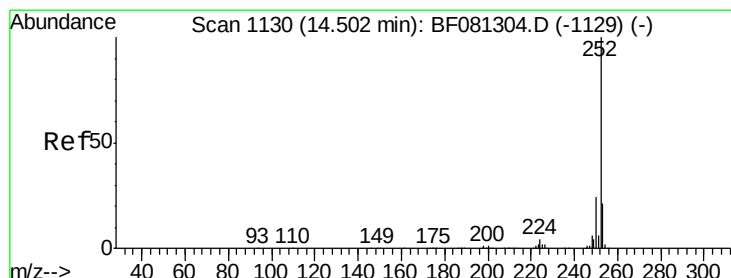
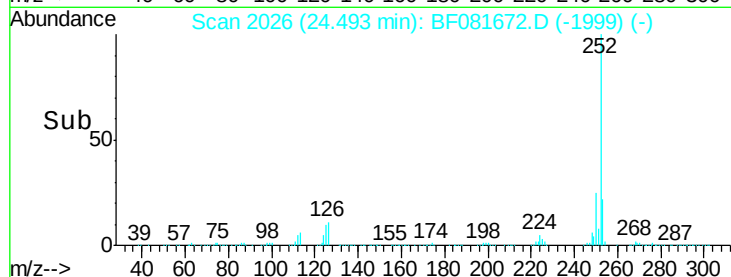
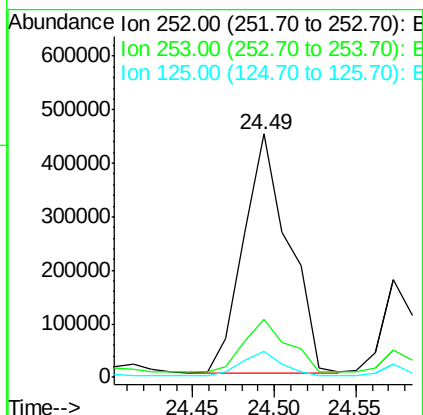
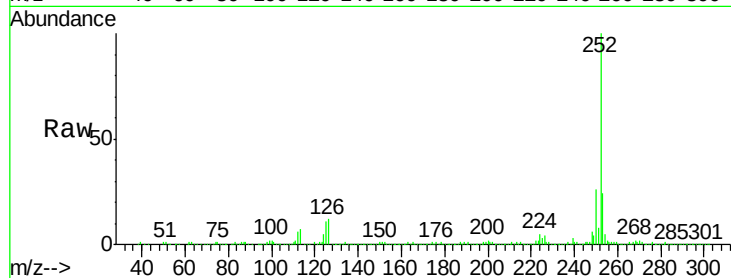
Instrument :

BNA_F

ClientSampleId :

MGP204(20-22)

Tgt Ion:	252	Resp:	859173
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.5	26.3
125	10.7	17.1	25.7#



#88

Benzo(k)fluoranthene

Concen: 145.16 ng

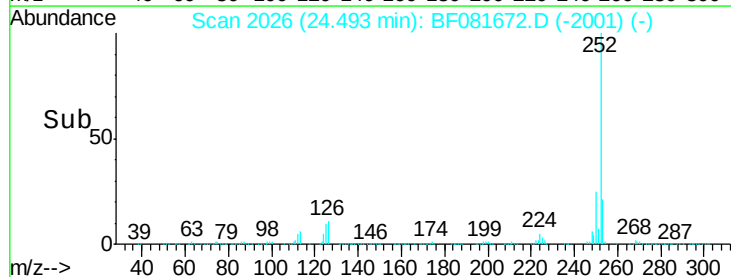
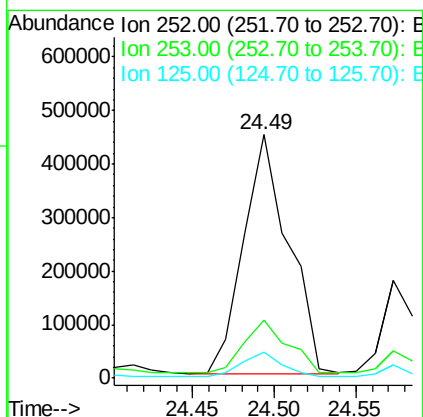
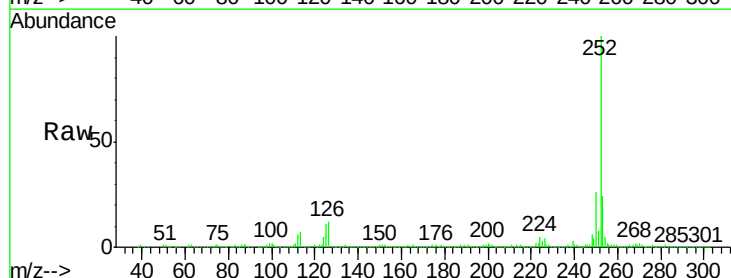
RT: 24.49 min Scan# 2026

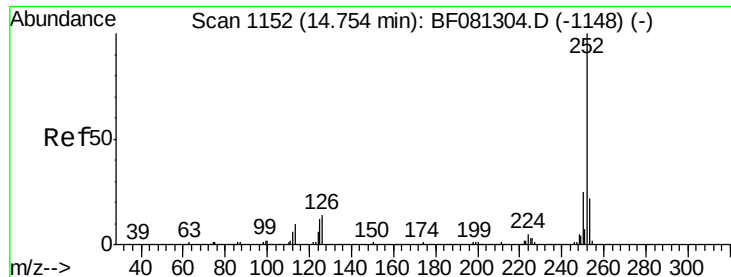
Delta R.T. -0.01 min

Lab File: BF081672.D

Acq: 17 Sep 2015 8:29

Tgt Ion:	252	Resp:	859173
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.0	25.4
125	10.7	16.0	24.0#





#89

Benzo(a)pyrene

Concen: 144.62 ng

RT: 24.79 min Scan# 2052

Delta R.T. 0.02 min

Lab File: BF081672.D

Acq: 17 Sep 2015 8:29

Instrument :

BNA_F

ClientSampleId :

MGP204(20-22)

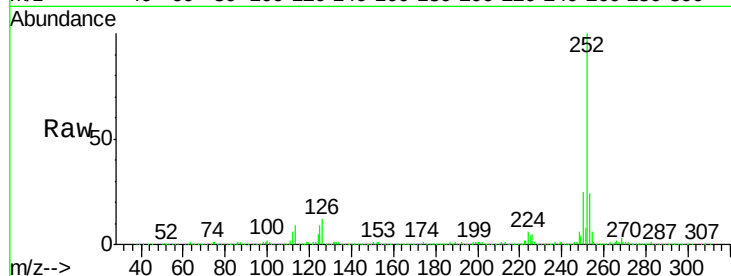
Tgt Ion:252 Resp: 874180

Ion Ratio Lower Upper

252 100

253 23.7 17.2 25.8

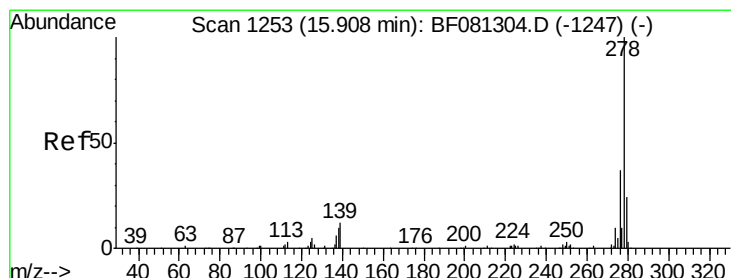
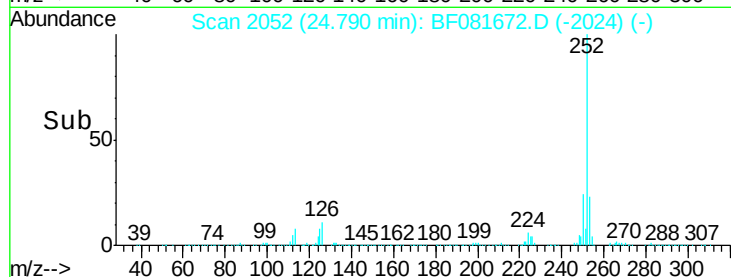
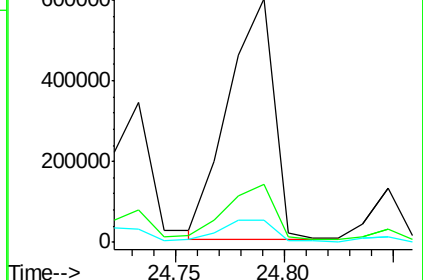
125 8.9 18.0 27.0#



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: 5.49 ng

RT: 25.92 min Scan# 2151

Delta R.T. 0.03 min

Lab File: BF081672.D

Acq: 17 Sep 2015 8:29

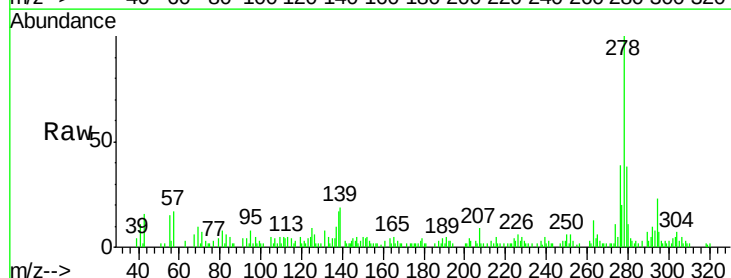
Tgt Ion:278 Resp: 25663

Ion Ratio Lower Upper

278 100

139 18.7 26.3 39.5#

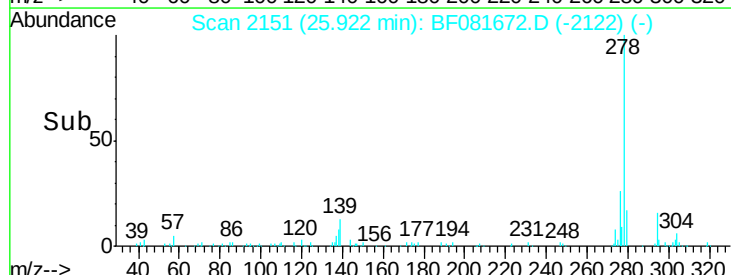
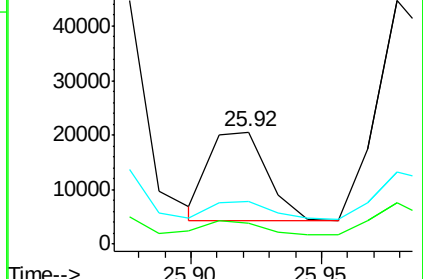
279 38.0 18.2 27.4#

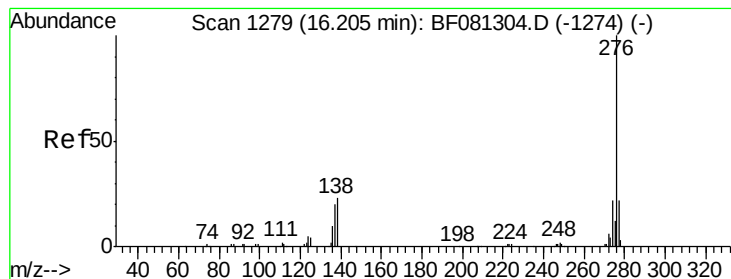


Abundance Ion 278.00 (277.70 to 278.70): E

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: 38.43 ng

RT: 26.17 min Scan# 2173

Delta R.T. -0.00 min

Lab File: BF081672.D

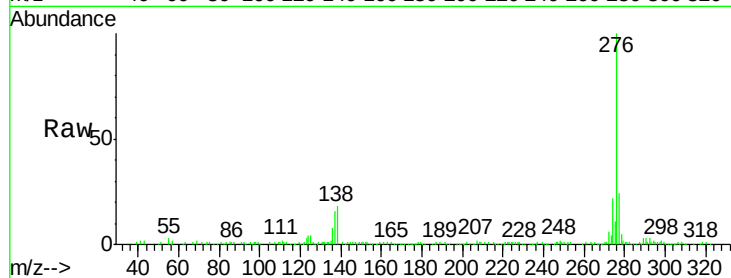
Acq: 17 Sep 2015 8:29

Instrument :

BNA_F

ClientSampleId :

MGP204(20-22)



Tgt Ion:	276	Resp:	171332
Ion Ratio	Lower	Upper	
276	100		
277	24.1	17.8	26.6
138	17.9	34.6	51.8#

