

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090515\
 Data File : BF081503.D
 Acq On : 6 Sep 2015 11:43
 Operator : UM/IZ
 Sample : G3519-01
 Misc :
 ALS Vial : 78 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MGP208BR-7-8

Quant Time: Sep 07 01:56:13 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 01 17:35:35 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.36	152	57972	20.00	ng	-0.02
21) Naphthalene-d8	7.64	136	194978	20.00	ng	-0.03
38) Acenaphthene-d10	9.40	164	85002	20.00	ng	-0.01
63) Phenanthrene-d10	10.89	188	125373	20.00	ng	0.01
75) Chrysene-d12	13.50	240	109671	20.00	ng	0.00
86) Perylene-d12	14.81	264	103444	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	4.90	112	443018	118.57	ng	-0.02
7) Phenol-d6	6.03	99	657178	132.87	ng	-0.02
23) Nitrobenzene-d5	6.94	82	344577	85.26	ng	-0.03
41) 2,4,6-Tribromophenol	10.19	330	80553	106.43	ng	-0.01
44) 2-Fluorobiphenyl	8.74	172	553151	83.39	ng	-0.02
78) Terphenyl-d14	12.48	244	337059	71.54	ng	0.01

Target Compounds						Qvalue
3) Pyridine	2.23	79	20295	4.39	ng	# 24
9) Benzaldehyde	5.90	77	11051	3.57	ng	# 1
12) 1,3-Dichlorobenzene	6.30	146	93140	21.17	ng	# 93
13) 1,4-Dichlorobenzene	6.38	146	493921	110.27	ng	# 87
14) 1,2-Dichlorobenzene	6.38	146	493921	122.47	ng	# 89
15) Benzyl Alcohol	6.51	79	8154	2.01	ng	# 33
18) Hexachloroethane	6.84	117	4609	2.64	ng	# 1
22) Acetophenone	6.79	105	11259	2.11	ng	# 54
24) Nitrobenzene	6.99	77	8641	2.06	ng	# 5
25) Isophorone	7.29	82	28514	3.79	ng	# 39
30) 1,2,4-Trichlorobenzene	7.60	180	29811	10.02	ng	# 97
31) Naphthalene	7.67	128	73478	7.07	ng	# 97
32) Benzoic acid	7.44	122	1875	3.33	ng	# 1
35) Caprolactam	8.11	113	30909	36.79	ng	# 1
37) 2-Methylnaphthalene	8.36	142	20521	3.03	ng	# 69
45) 1,1'-Biphenyl	8.83	154	15783	2.02	ng	# 87
48) Acenaphthylene	9.26	152	144562	14.43	ng	# 91
49) Dimethylphthalate	9.14	163	92300	13.98	ng	# 97
50) 2,6-Dinitrotoluene	9.45	165	3804	2.54	ng	# 90
51) Acenaphthene	9.43	154	90497	15.88	ng	# 90
52) 3-Nitroaniline	9.38	138	6977	4.09	ng	# 58
54) Dibenzofuran	9.39	168	23316	2.80	ng	# 94
55) 4-Nitrophenol	9.60	139	28820	26.88	ng	# 17
56) 2,4-Dinitrotoluene	9.61	165	13750	7.20	ng	# 59
57) Fluorene	9.95	166	103540	16.39	ng	# 82
58) 2,3,4,6-Tetrachlorophenol	9.79	232	11831	8.19	ng	# 36
64) 4,6-Dinitro-2-methylphenol	10.06	198	3797	5.41	ng	# 1
65) n-Nitrosodiphenylamine	10.08	169	43404	9.51	ng	# 72
68) Atrazine	10.59	200	2731	2.07	ng	# 1
69) Pentachlorophenol	10.71	266	1102	10.27	ng	# 1
70) Phenanthrene	10.91	178	351774	50.47	ng	# 92
71) Anthracene	10.96	178	109269	15.26	ng	# 72
72) Carbazole	11.12	167	31831	4.74	ng	# 4
73) Di-n-butylphthalate	11.44	149	31876	4.02	ng	# 39

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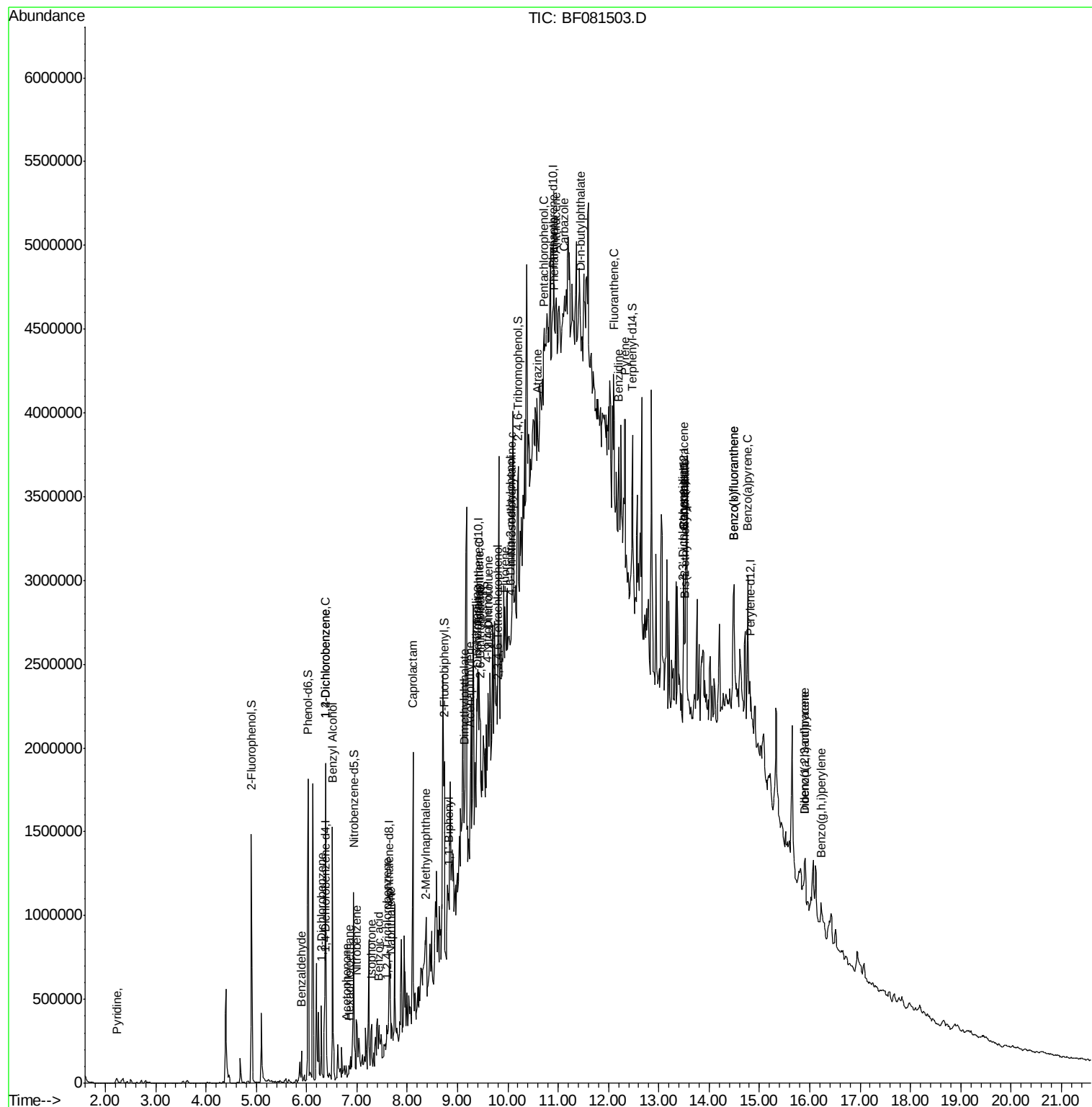
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Fluoranthene	12.10	202	561070	74.36	nq	92
76) Benzidine	12.20	184	48131	10.22	nq	# 25
77) Pyrene	12.33	202	694109	85.44	nq	98
80) Benzo(a)anthracene	13.50	228	337921	48.38	nq	# 87
81) 3,3'-Dichlorobenzidine	13.49	252	6356	2.70	nq	# 28
82) Chrysene	13.50	228	337921	53.97	nq	# 89
83) Bis(2-ethylhexyl)phthalate	13.52	149	22255	4.77	nq	91
85) Indeno(1,2,3-cd)pyrene	15.91	276	120069	26.14	nq	# 80
87) Benzo(b)fluoranthene	14.49	252	437803	59.28	nq	98
88) Benzo(k)fluoranthene	14.49	252	437803	71.44	nq	95
89) Benzo(a)pyrene	14.77	252	200600	32.05	nq	96
90) Dibenzo(a,h)anthracene	15.91	278	45108	9.33	nq	# 94
91) Benzo(a,h,i)perylene	16.23	276	108525	23.51	nq	# 76

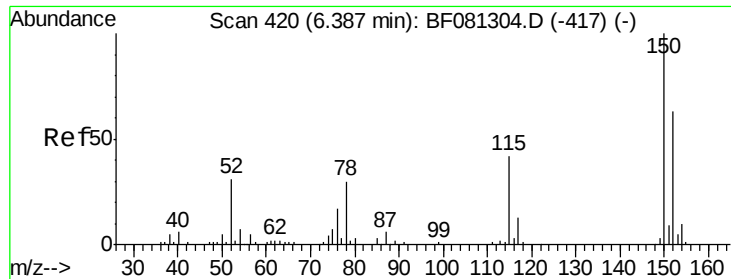
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.36 min Scan# 418

Delta R.T. -0.02 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

Instrument :

BNA_F

ClientSampleId :

MGP208BR-7-8

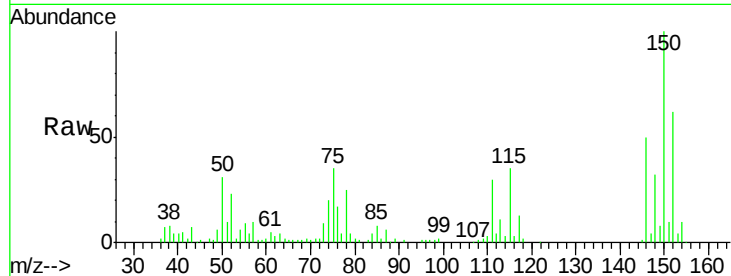
Tot Ion:152 Resp: 57972

Ion Ratio Lower Upper

152 100

150 161.9 124.7 187.1

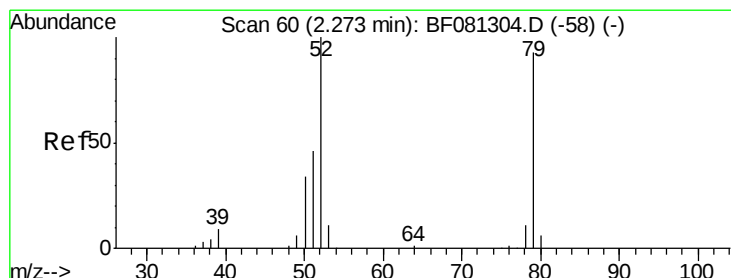
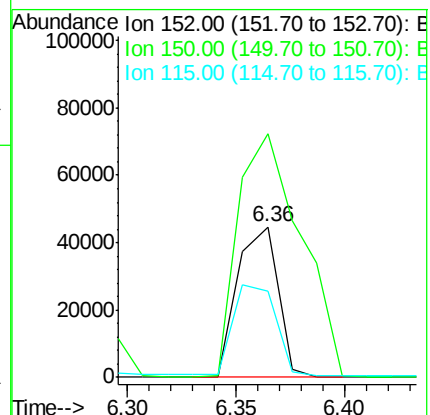
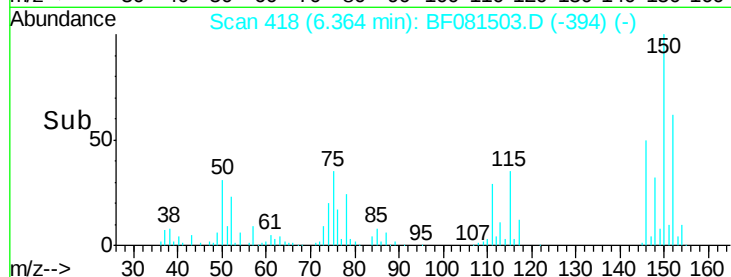
115 57.1 39.0 58.4



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



#3

Pyridine

Concen: 4.39 ng

RT: 2.23 min Scan# 56

Delta R.T. -0.05 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

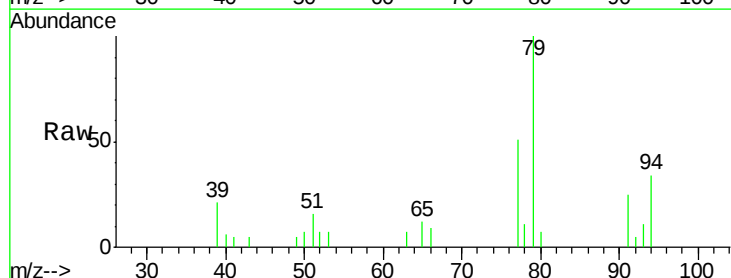
Tgt Ion: 79 Resp: 20295

Ion Ratio Lower Upper

79 100

52 7.0 76.8 115.2#

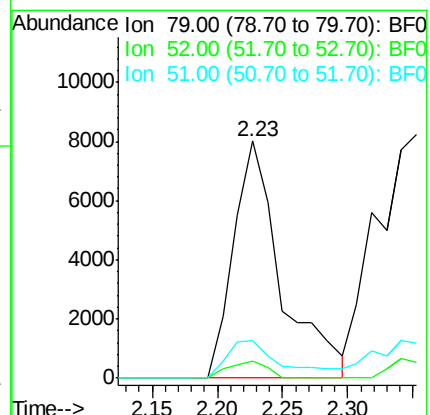
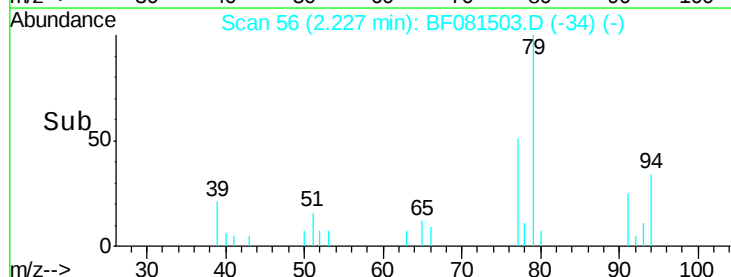
51 16.0 32.2 48.4#

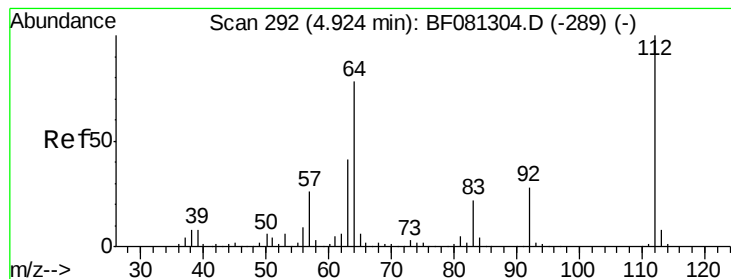


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0





#5

2-Fluorophenol

Concen: 118.57 ng

RT: 4.90 min Scan# 290

Delta R.T. -0.02 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

Instrument :

BNA_F

ClientSampleId :

MGP208BR-7-8

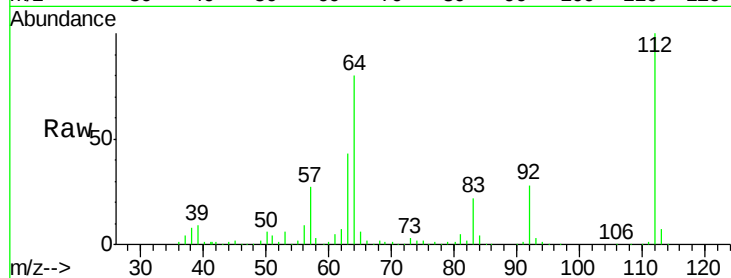
Tot Ion:112 Resp: 443018

Ion Ratio Lower Upper

112 100

64 79.7 39.7 59.5#

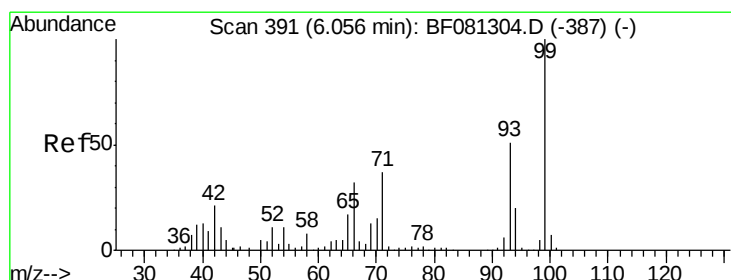
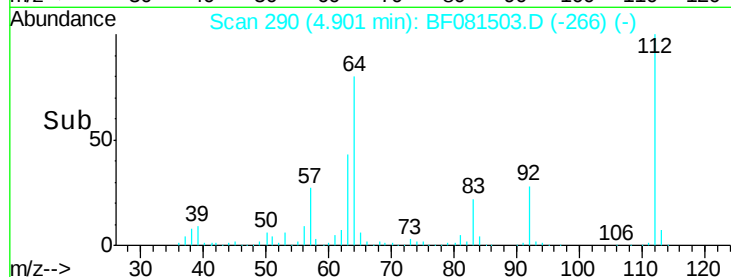
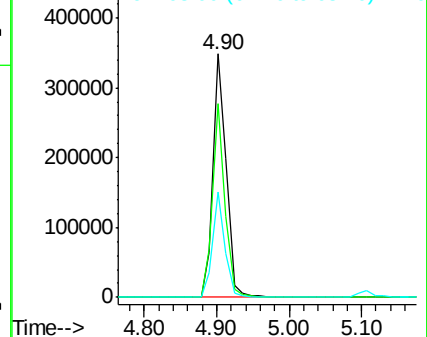
63 43.5 17.4 26.0#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 132.87 ng

RT: 6.03 min Scan# 389

Delta R.T. -0.02 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

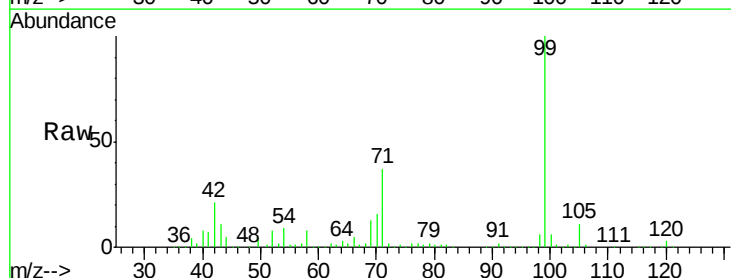
Tgt Ion: 99 Resp: 657178

Ion Ratio Lower Upper

99 100

42 20.7 13.7 20.5#

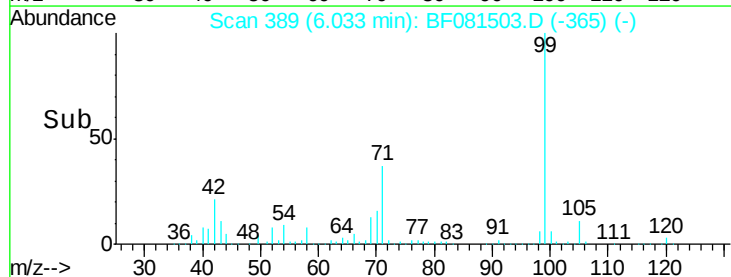
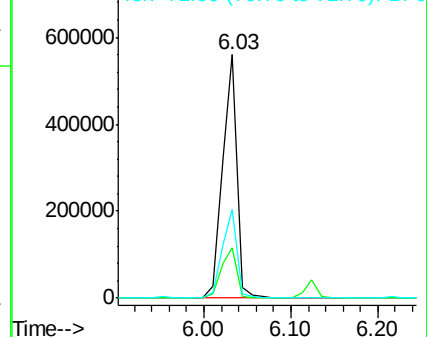
71 36.5 14.2 21.2#

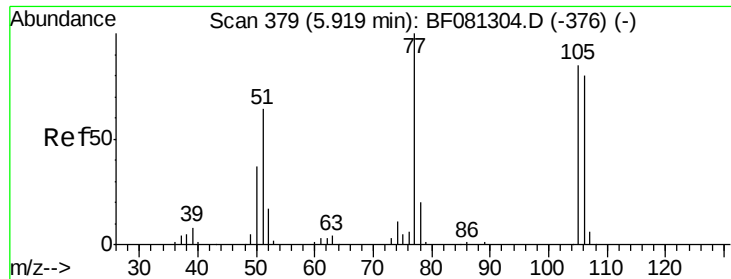


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 3.57 ng

RT: 5.90 min Scan# 377

Delta R.T. -0.02 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

Instrument :

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ClientSampleId :

MGP208BR-7-8

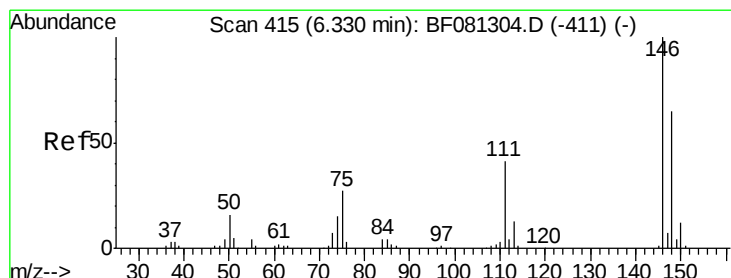
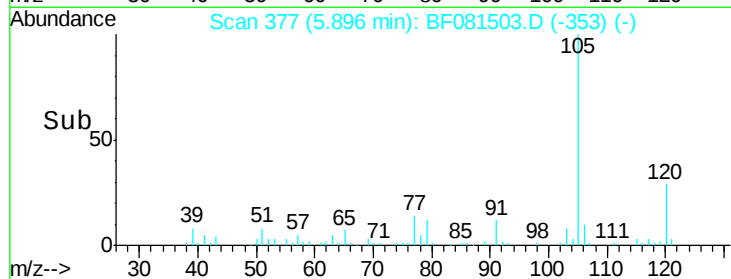
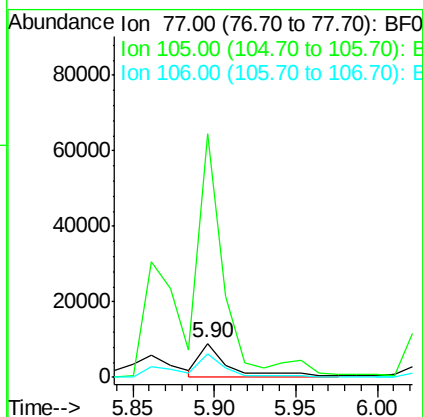
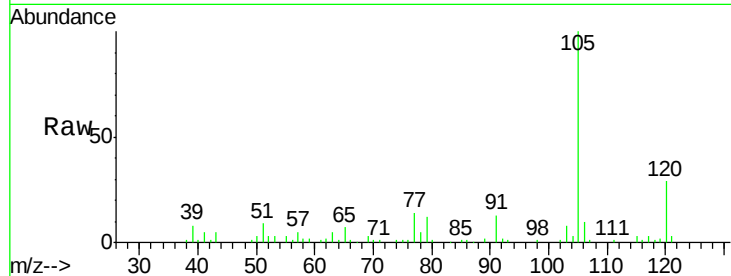
Tot Ion: 77 Resp: 11051

Ion Ratio Lower Upper

77 100

105 723.2 91.6 131.6#

106 70.3 102.6 142.6#



#12

1,3-Dichlorobenzene

Concen: 21.17 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.03 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

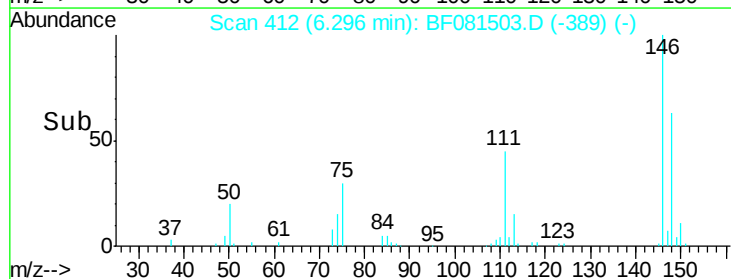
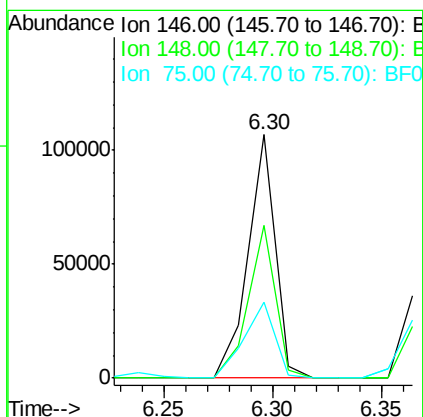
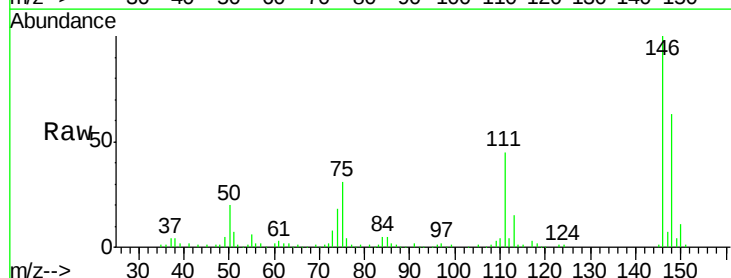
Tgt Ion: 146 Resp: 93140

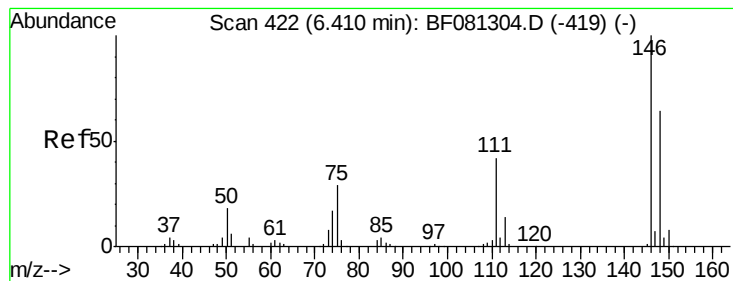
Ion Ratio Lower Upper

146 100

148 62.8 51.0 76.4

75 31.3 15.0 22.6#





#13

1,4-Dichlorobenzene

Concen: 110.27 ng

RT: 6.38 min Scan# 419

Delta R.T. -0.03 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

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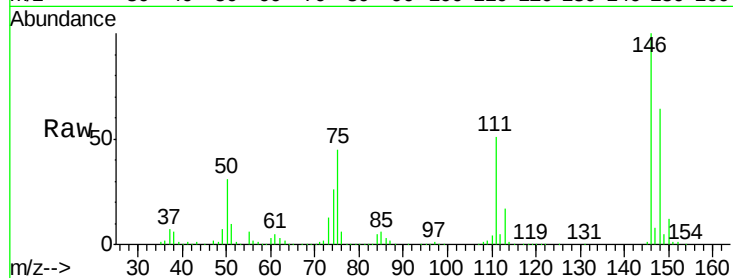
Tot Ion:146 Resp: 493921

Ion Ratio Lower Upper

146 100

148 63.6 51.8 77.6

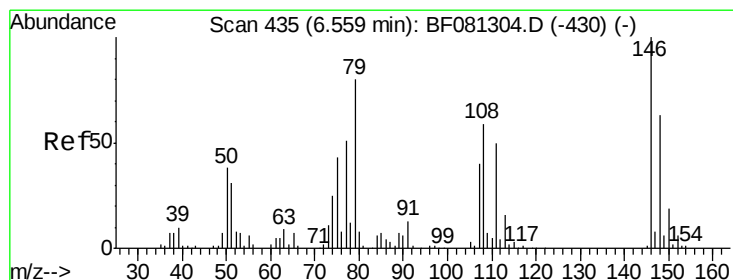
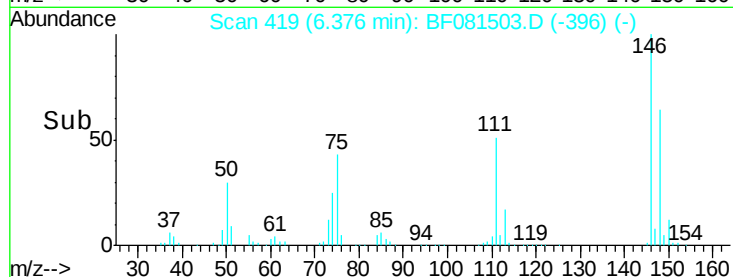
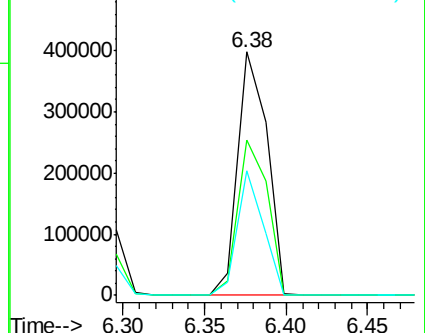
111 50.9 24.9 37.3#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 122.47 ng

RT: 6.38 min Scan# 419

Delta R.T. -0.18 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

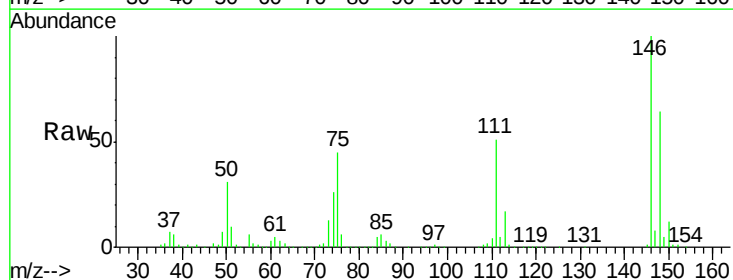
Tgt Ion:146 Resp: 493921

Ion Ratio Lower Upper

146 100

148 63.6 52.7 79.1

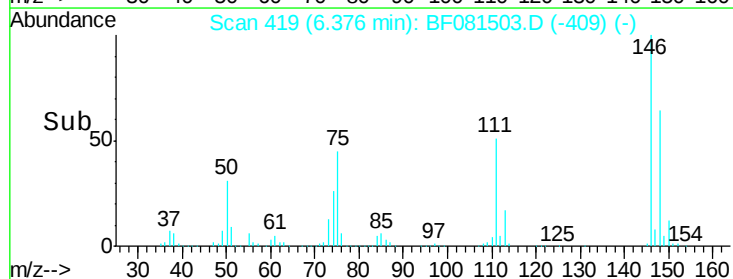
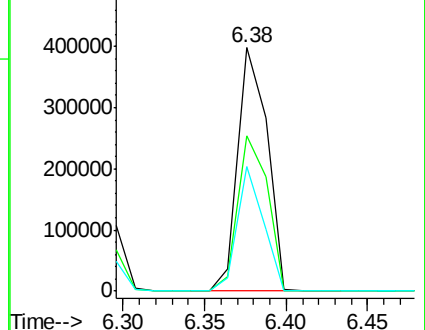
111 50.9 28.8 43.2#

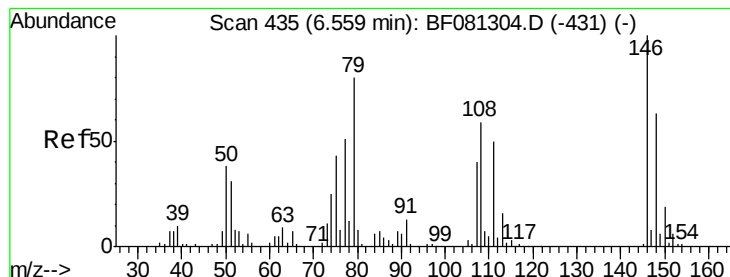


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 2.01 ng

RT: 6.51 min Scan# 431

Delta R.T. -0.05 min

Lab File: BF081503.D

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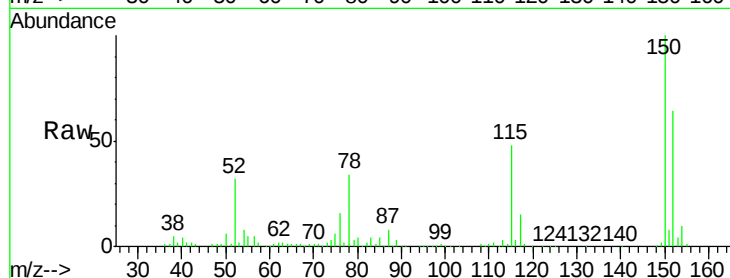
Tot Ion: 79 Resp: 8154

Ion Ratio Lower Upper

79 100

108 24.3 88.6 132.8#

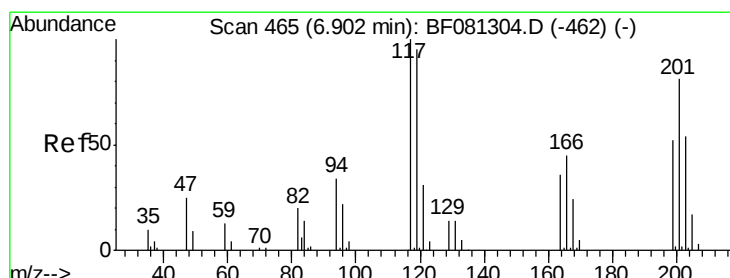
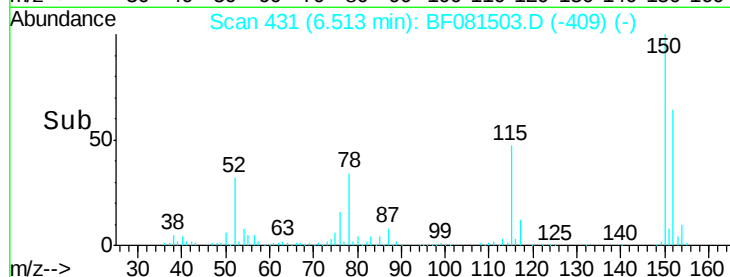
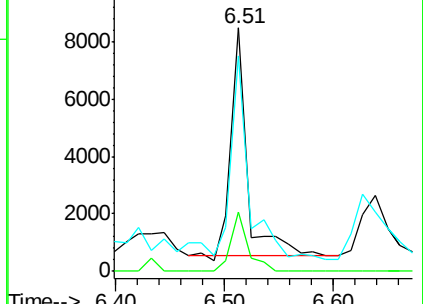
77 88.7 47.0 70.4#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0



#18

Hexachloroethane

Concen: 2.64 ng

RT: 6.84 min Scan# 460

Delta R.T. -0.06 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

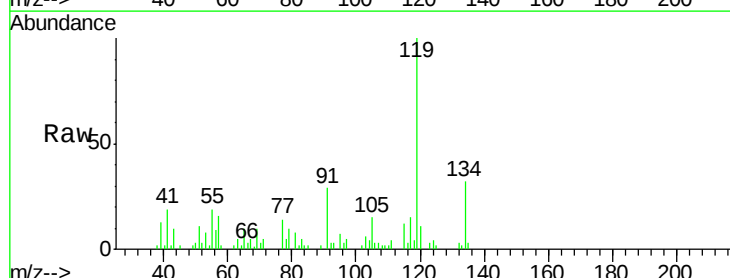
Tgt Ion: 117 Resp: 4609

Ion Ratio Lower Upper

117 100

119 688.4 83.8 125.6#

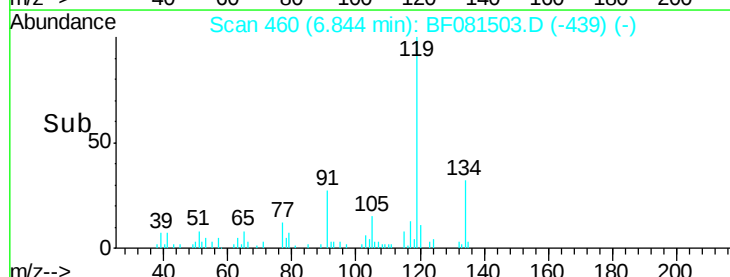
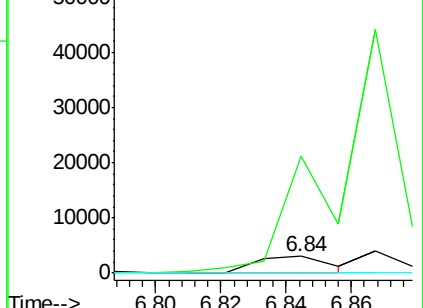
201 0.0 55.1 82.7#

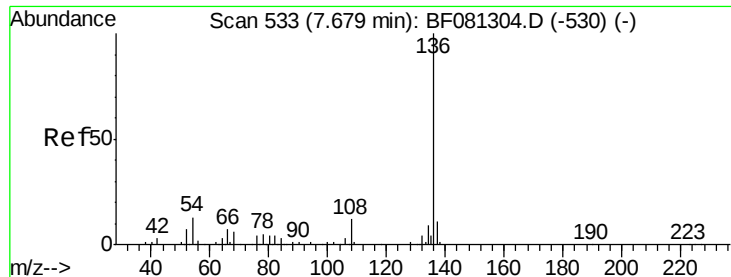


Abundance Ion 117.00 (116.70 to 117.70): E

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: 7.64 min Scan# 530

Delta R.T. -0.03 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

Instrument :

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ClientSampleId :

MGP208BR-7-8

Tot Ion:136 Resp: 194978

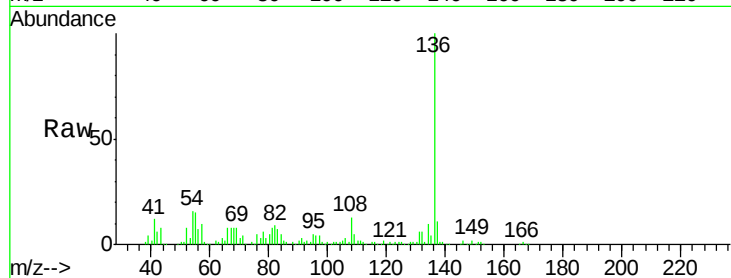
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.6

54 15.9 8.2 12.2#

68 7.9 5.8 8.6

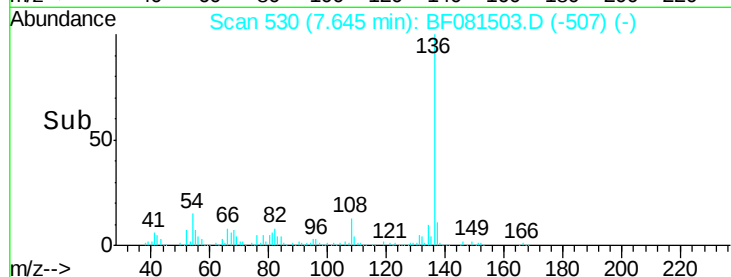


Abundance Ion 136.00 (135.70 to 136.70): E

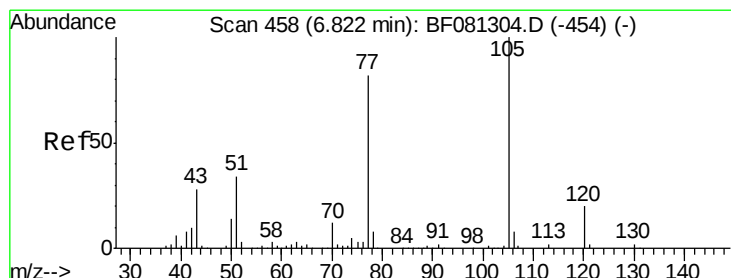
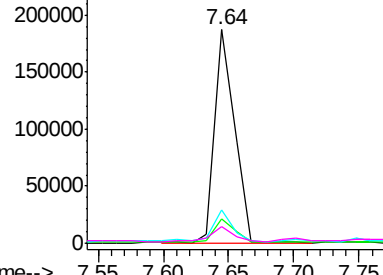
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#22

Acetophenone

Concen: 2.11 ng

RT: 6.79 min Scan# 455

Delta R.T. -0.03 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

Tgt Ion:105 Resp: 11259

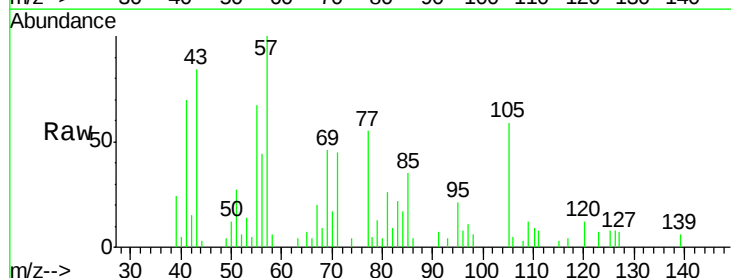
Ion Ratio Lower Upper

105 100

71 77.5 4.7 7.1#

51 46.7 22.0 33.0#

120 21.3 30.1 45.1#

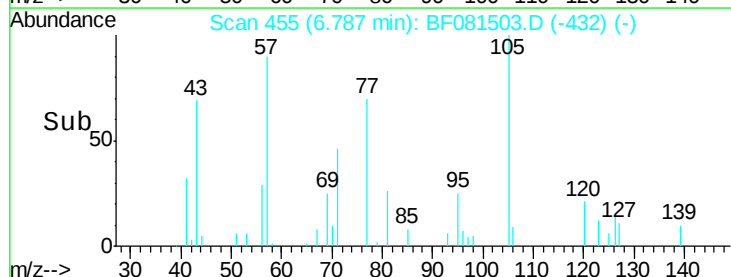


Abundance Ion 105.00 (104.70 to 105.70): E

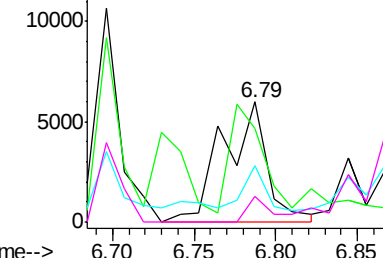
Ion 71.00 (70.70 to 71.70): BF0

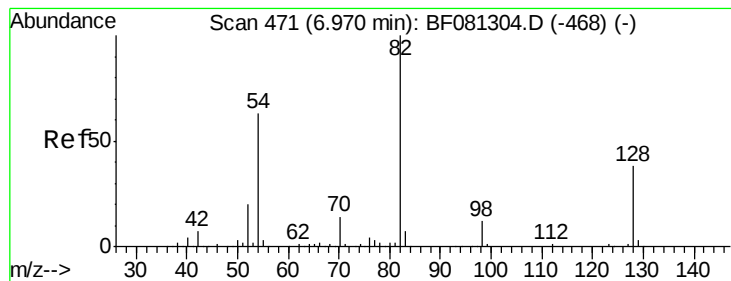
Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



Time-->





#23

Nitrobenzene-d5

Concen: 85.26 ng

RT: 6.94 min Scan# 468

Delta R.T. -0.03 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

Instrument :

BNA_F

ClientSampleId :

MGP208BR-7-8

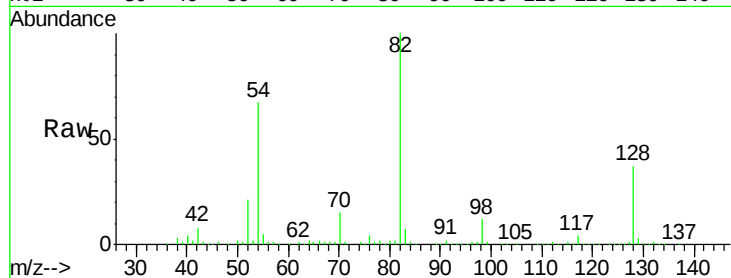
Tot Ion: 82 Resp: 344577

Ion Ratio Lower Upper

82 100

128 36.8 51.0 76.6#

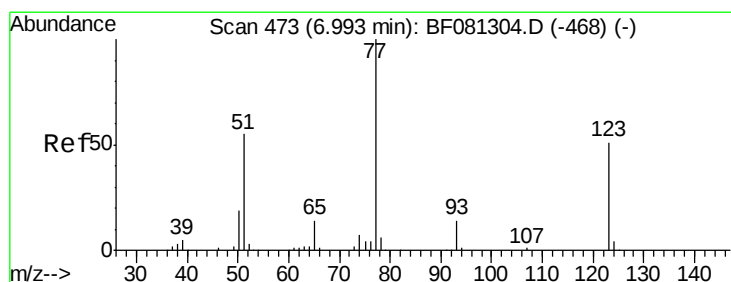
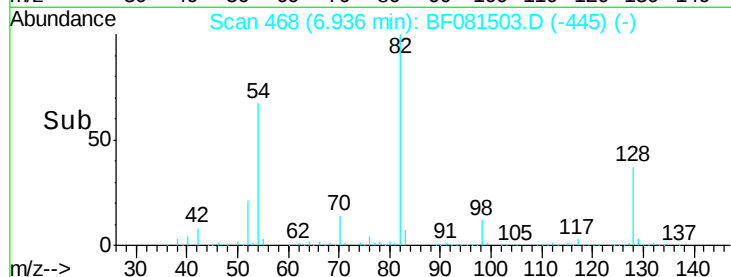
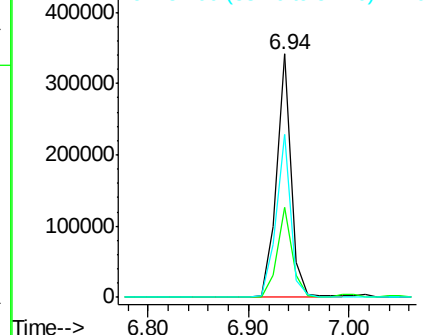
54 66.7 47.5 71.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 2.06 ng

RT: 6.99 min Scan# 473

Delta R.T. 0.00 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

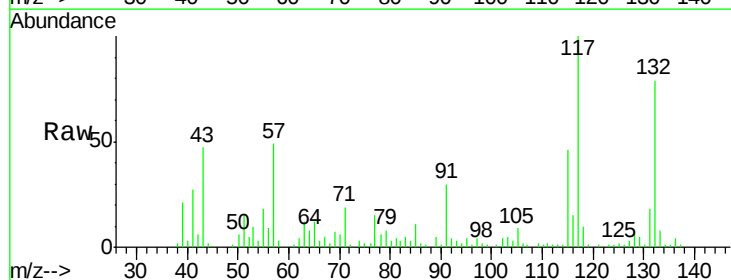
Tgt Ion: 77 Resp: 8641

Ion Ratio Lower Upper

77 100

123 6.0 59.8 89.8#

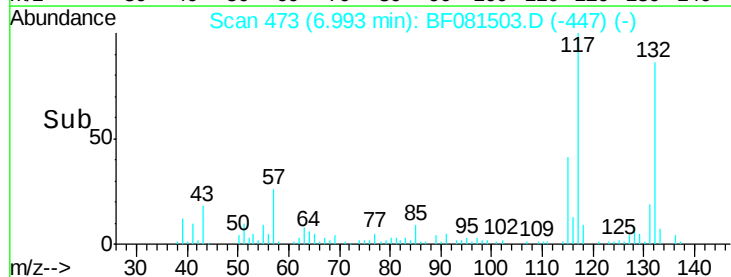
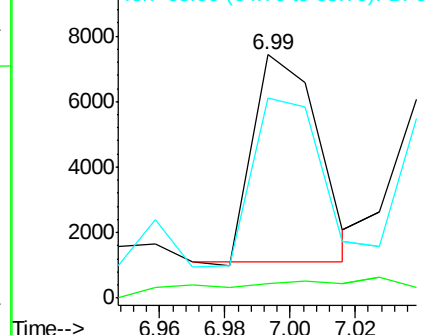
65 82.1 10.2 15.4#

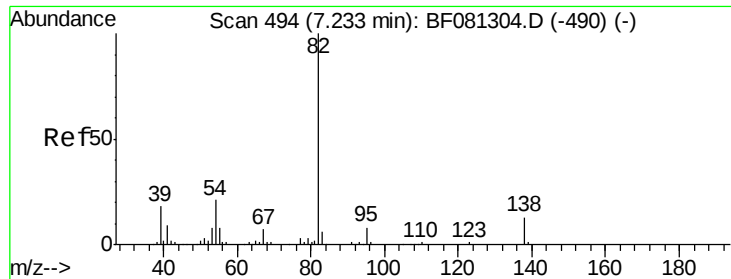


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 3.79 ng

RT: 7.29 min Scan# 499

Delta R.T. 0.06 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

Instrument :

BNA_F

ClientSampleId :

MGP208BR-7-8

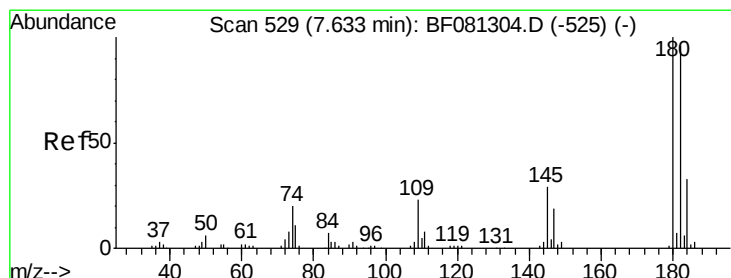
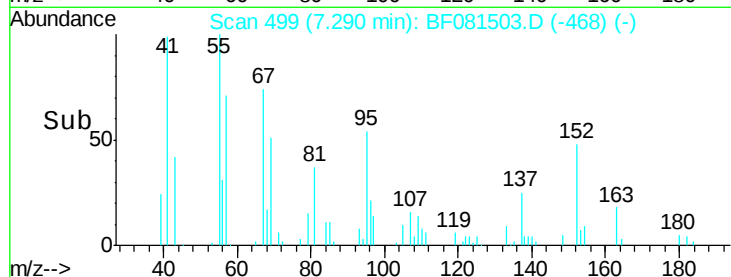
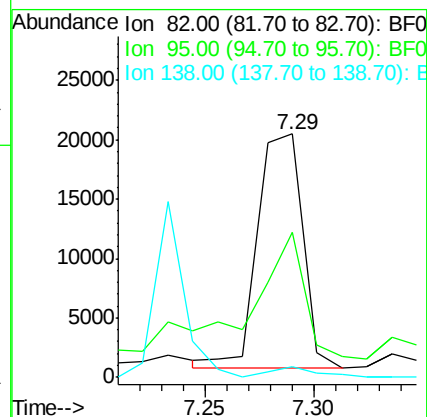
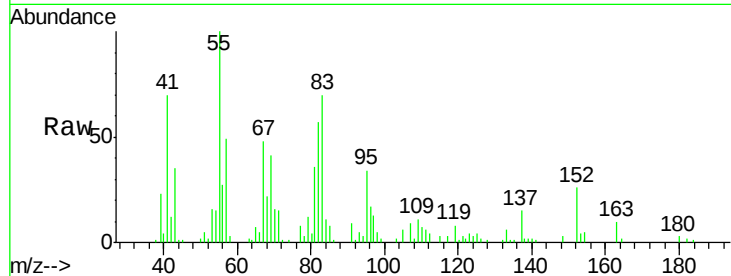
Tot Ion: 82 Resp: 28514

Ion Ratio Lower Upper

82 100

95 59.4 4.0 6.0#

138 4.3 18.3 27.5#



#30

1,2,4-Trichlorobenzene

Concen: 10.02 ng

RT: 7.60 min Scan# 526

Delta R.T. -0.03 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

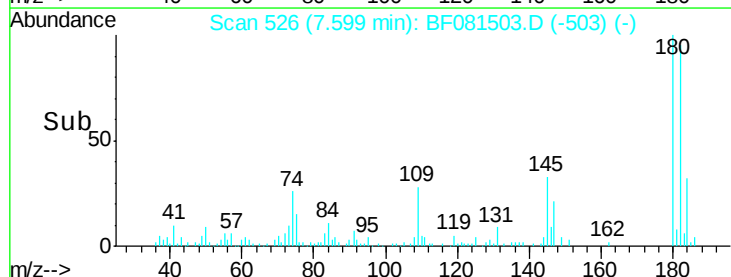
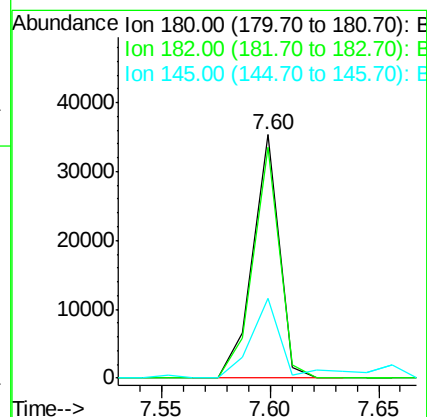
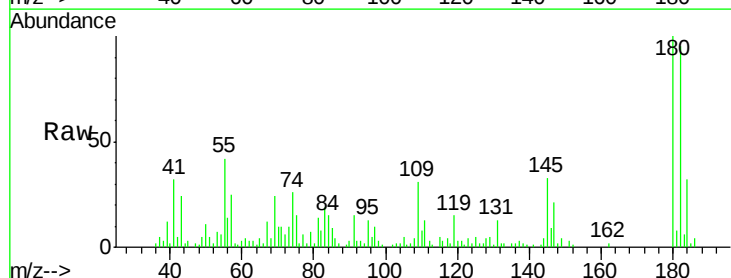
Tgt Ion: 180 Resp: 29811

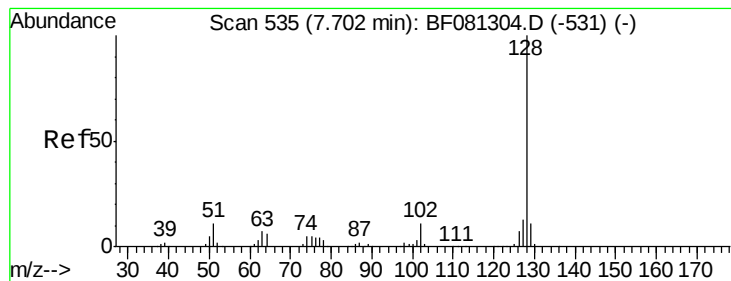
Ion Ratio Lower Upper

180 100

182 94.6 77.1 115.7

145 32.8 23.3 34.9





#31

Naphthalene

Concen: 7.07 ng

RT: 7.67 min Scan# 532

Delta R.T. -0.03 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

Instrument :

BNA_F

ClientSampleId :

MGP208BR-7-8

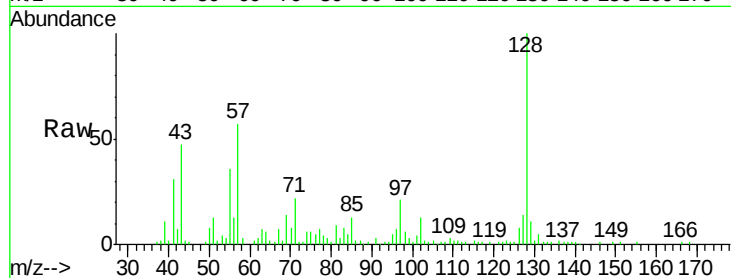
Tot Ion:128 Resp: 73478

Ion Ratio Lower Upper

128 100

129 11.4 8.4 12.6

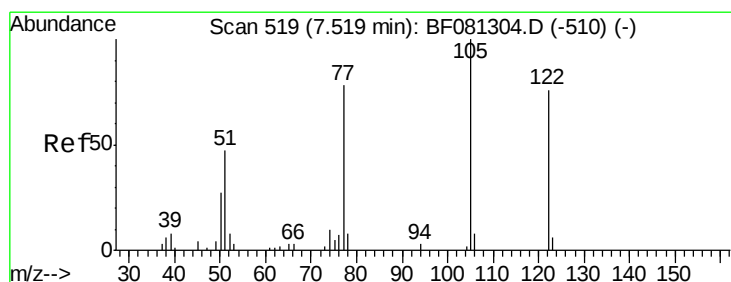
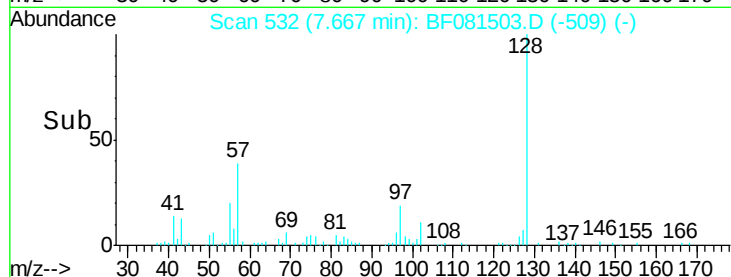
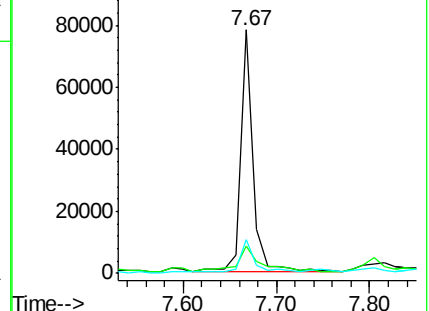
127 14.0 9.9 14.9



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: 3.33 ng

RT: 7.44 min Scan# 512

Delta R.T. -0.08 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

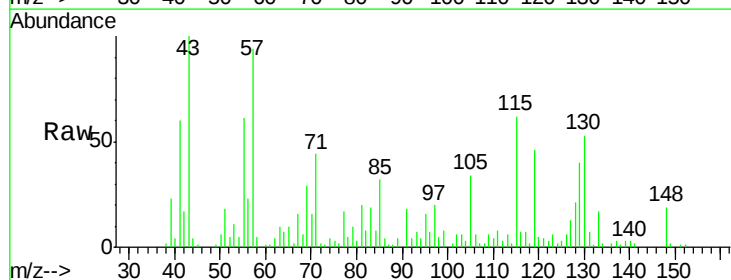
Tgt Ion:122 Resp: 1875

Ion Ratio Lower Upper

122 100

105 1202.3 76.1 116.1#

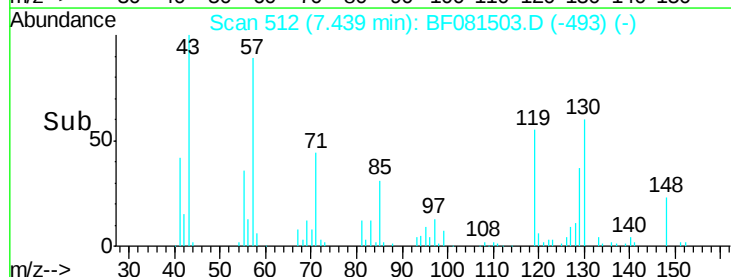
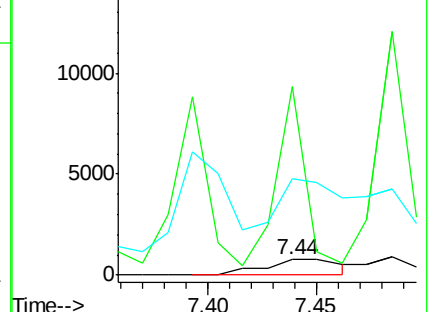
77 616.6 40.5 80.5#

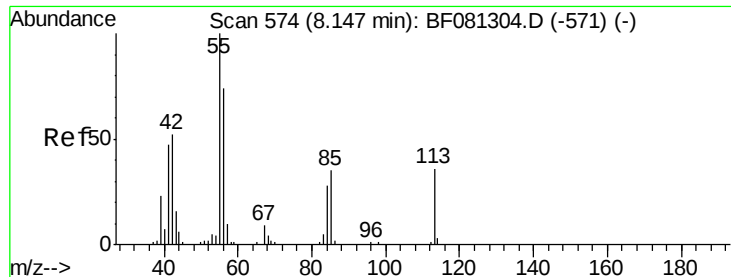


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#35

Caprolactam

Concen: 36.79 ng

RT: 8.11 min Scan# 571

Delta R.T. -0.03 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

Instrument :

BNA_F

ClientSampleId :

MGP208BR-7-8

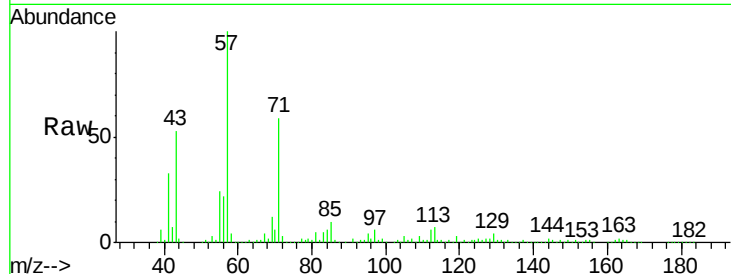
Tot Ion:113 Resp: 30909

Ion Ratio Lower Upper

113 100

55 334.9 152.4 192.4#

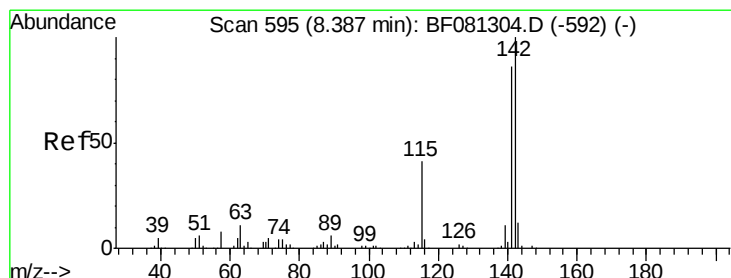
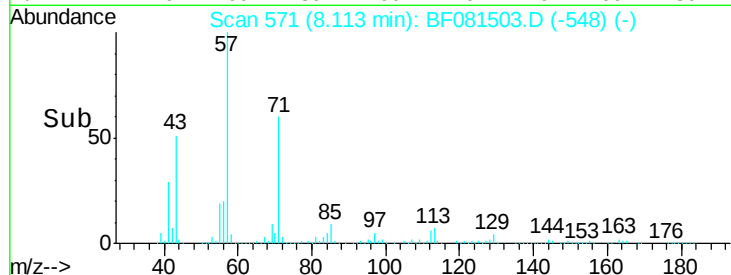
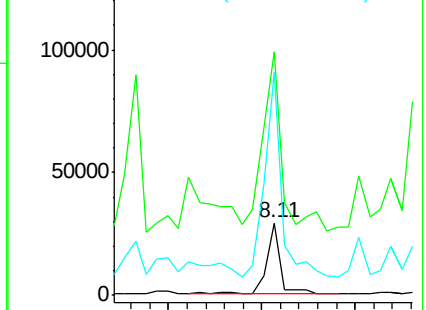
56 307.2 104.6 144.6#



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: 3.03 ng

RT: 8.36 min Scan# 593

Delta R.T. -0.02 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

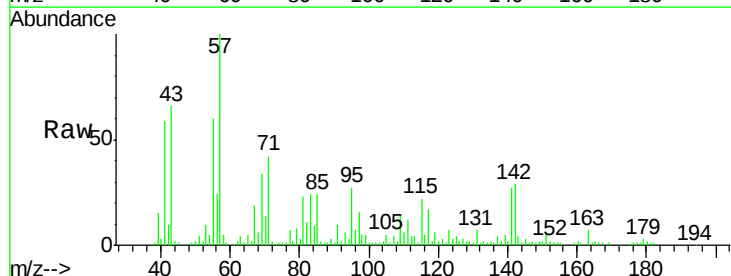
Tgt Ion:142 Resp: 20521

Ion Ratio Lower Upper

142 100

141 93.4 67.5 101.3

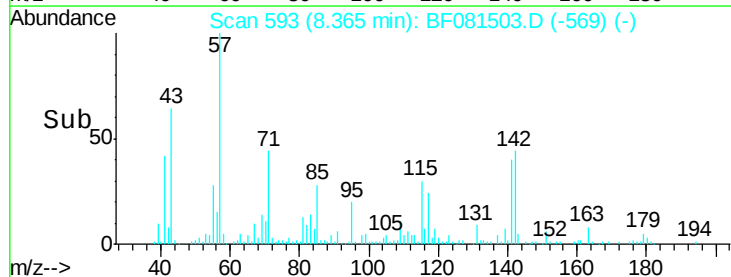
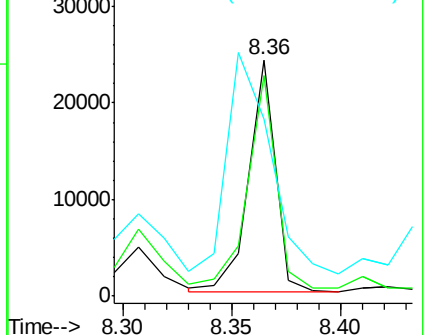
115 75.2 18.2 27.2#

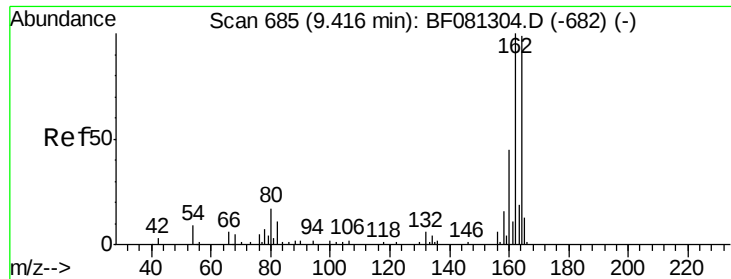


Abundance Ion 142.00 (141.70 to 142.70): E

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: 9.40 min Scan# 684

Delta R.T. -0.01 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

Instrument :

BNA_F

ClientSampleId :

MGP208BR-7-8

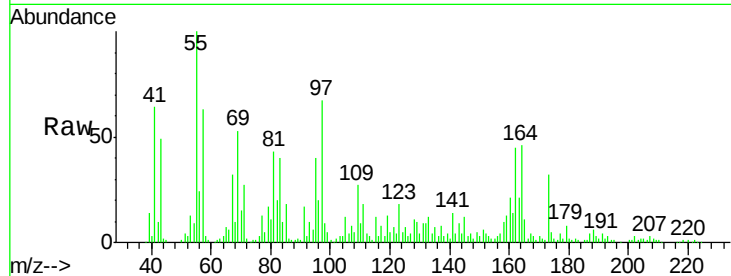
Tot Ion:164 Resp: 85002

Ion Ratio Lower Upper

164 100

162 98.9 75.2 112.8

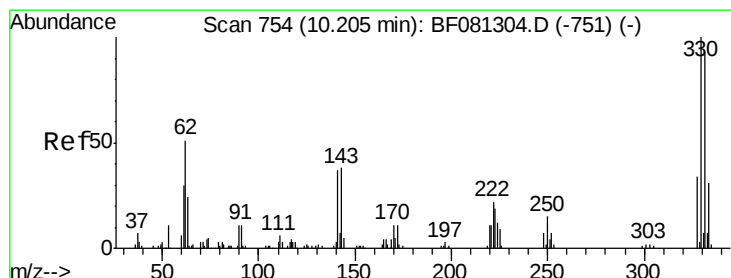
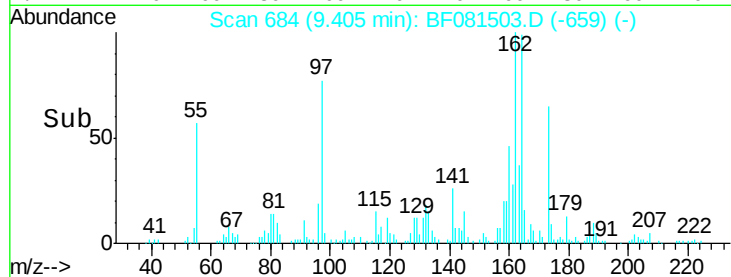
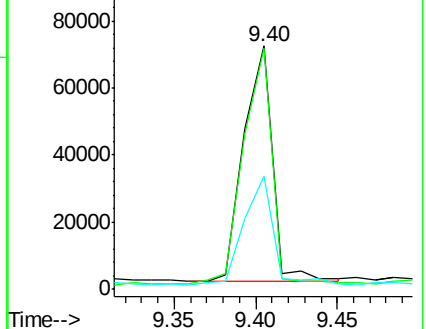
160 46.6 31.5 47.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 106.43 ng

RT: 10.19 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

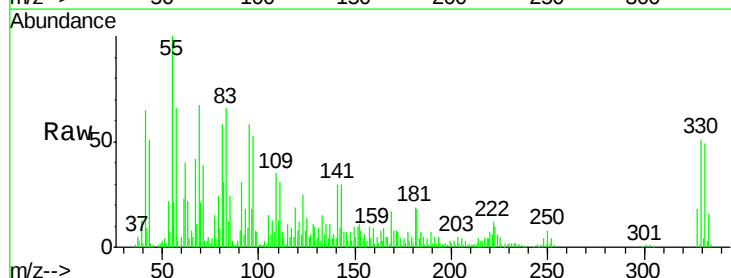
Tgt Ion:330 Resp: 80553

Ion Ratio Lower Upper

330 100

332 96.6 76.6 114.8

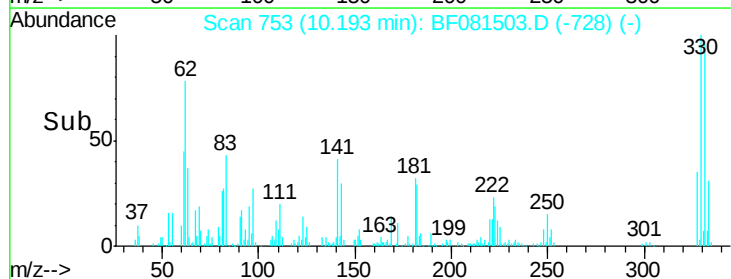
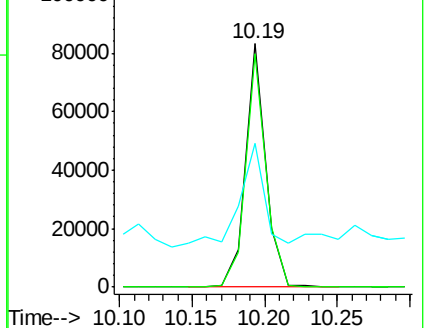
141 51.9 29.7 44.5#

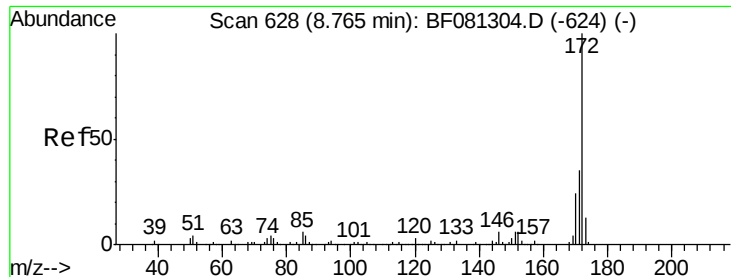


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 83.39 ng

RT: 8.74 min Scan# 626

Delta R.T. -0.02 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

Instrument :

BNA_F

ClientSampleId :

MGP208BR-7-8

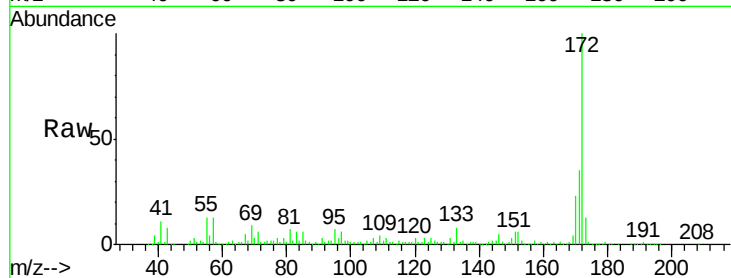
Tot Ion:172 Resp: 553151

Ion Ratio Lower Upper

172 100

171 35.1 26.1 39.1

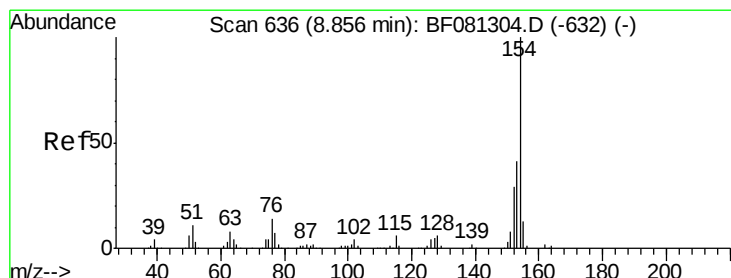
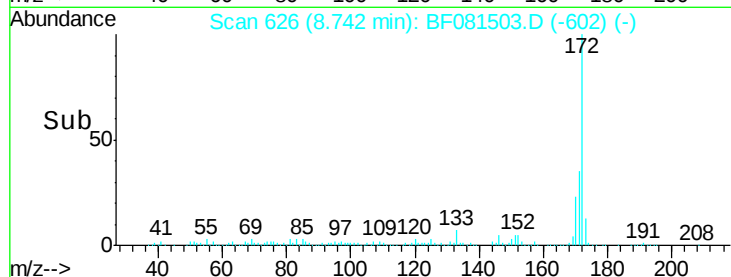
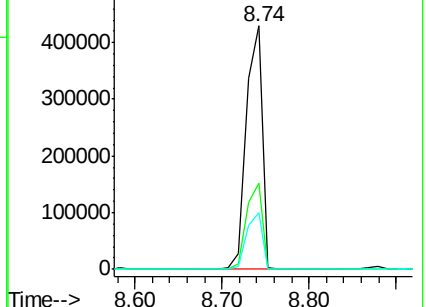
170 23.2 17.4 26.2



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#45

1,1'-Biphenyl

Concen: 2.02 ng

RT: 8.83 min Scan# 634

Delta R.T. -0.02 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

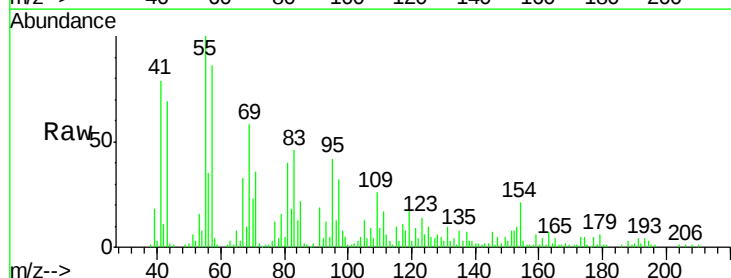
Tgt Ion:154 Resp: 15783

Ion Ratio Lower Upper

154 100

153 46.7 17.1 57.1

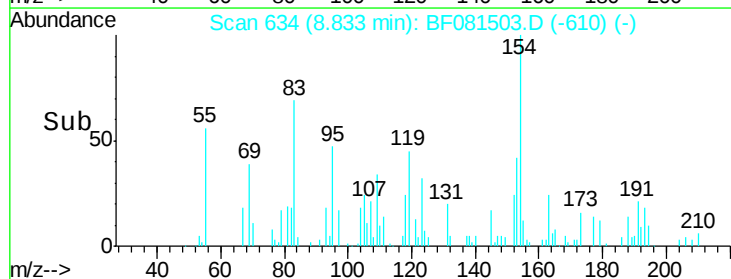
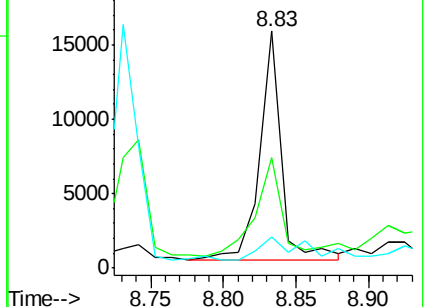
76 13.3 0.0 31.6

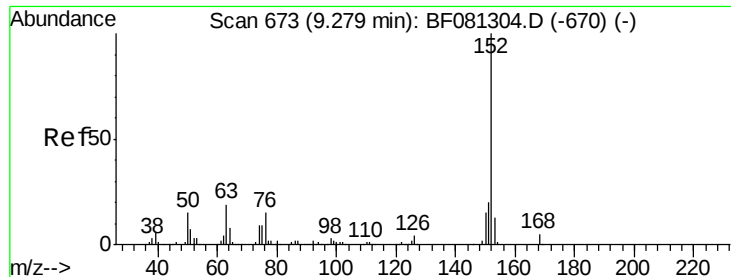


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0





#48

Acenaphthylene

Concen: 14.43 ng

RT: 9.26 min Scan# 671

Delta R.T. -0.02 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

Instrument :

BNA_F

ClientSampleId :

MGP208BR-7-8

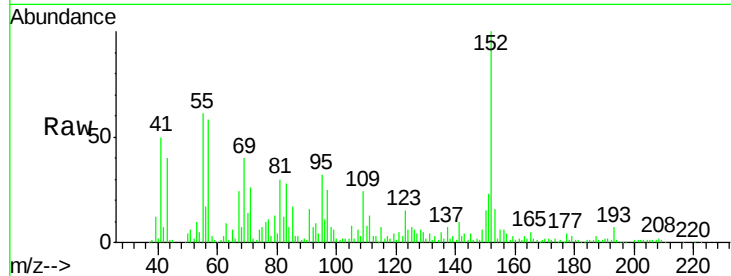
Tot Ion:152 Resp: 144562

Ion Ratio Lower Upper

152 100

151 22.7 14.6 22.0#

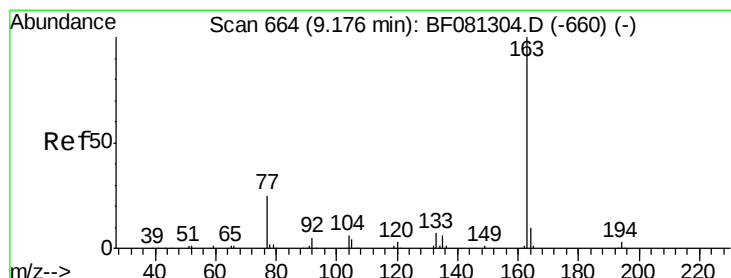
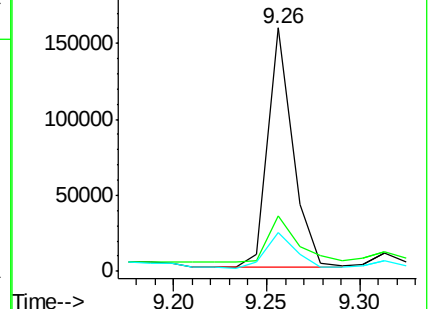
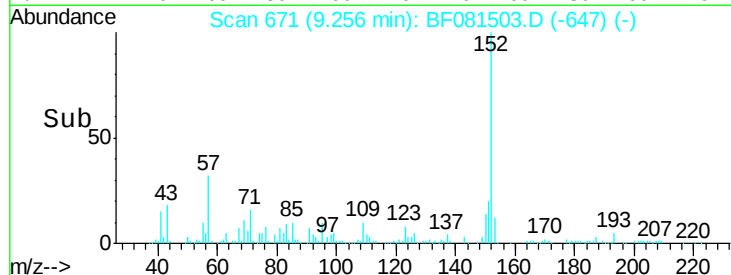
153 15.7 10.3 15.5#



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: 13.98 ng

RT: 9.14 min Scan# 661

Delta R.T. -0.03 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

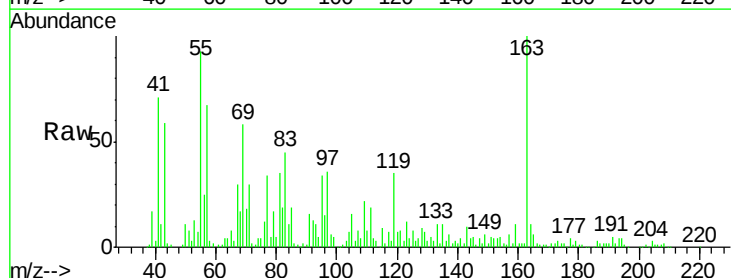
Tgt Ion:163 Resp: 92300

Ion Ratio Lower Upper

163 100

194 4.2 4.4 6.6#

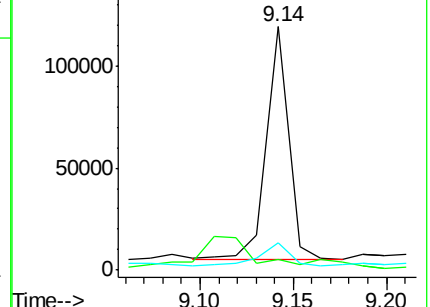
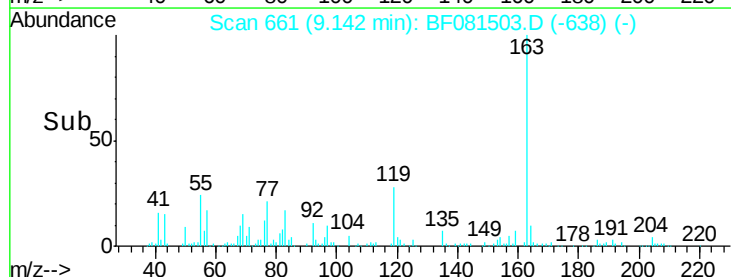
164 11.1 8.3 12.5

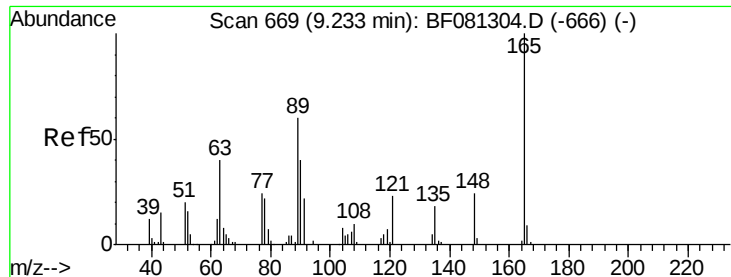


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

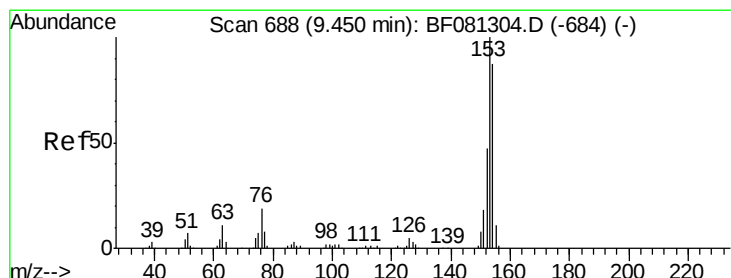
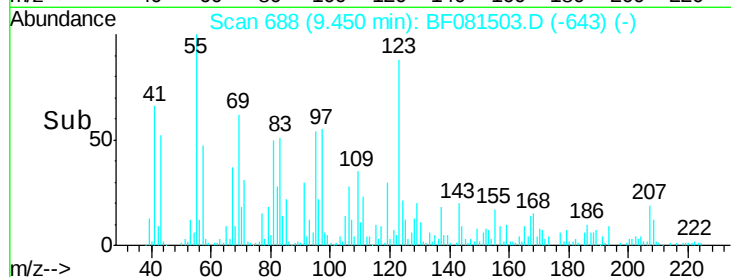
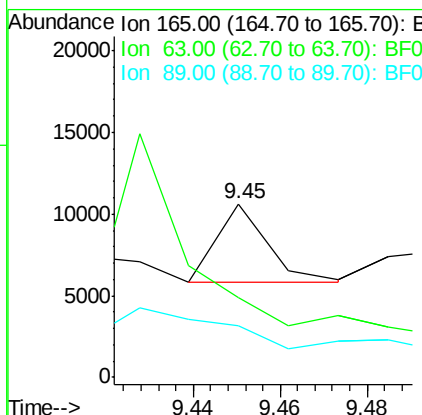
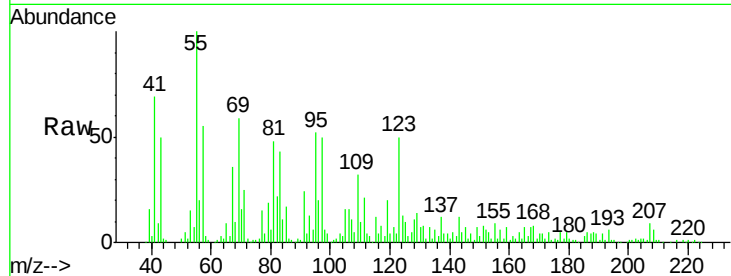




#50
 2,6-Dinitrotoluene
 Concen: 2.54 ng
 RT: 9.45 min Scan# 688
 Delta R.T. 0.22 min
 Lab File: BF081503.D
 Acq: 6 Sep 2015 11:43

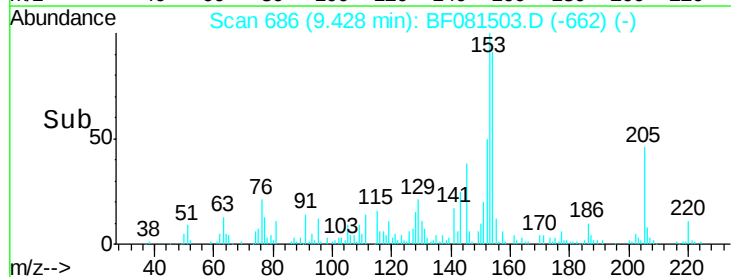
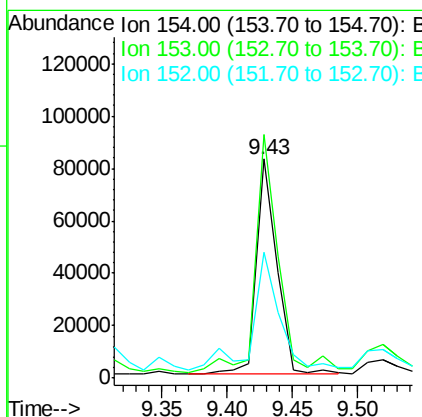
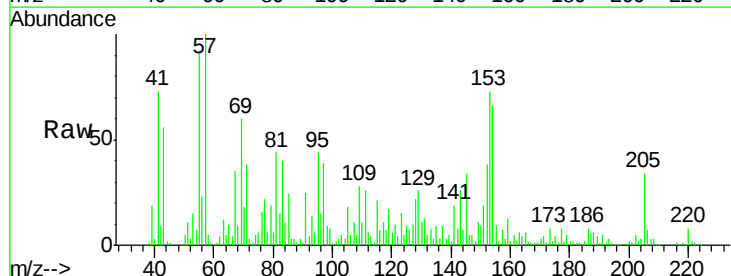
Instrument :
 BNA_F
 ClientSampleId :
 MGP208BR-7-8

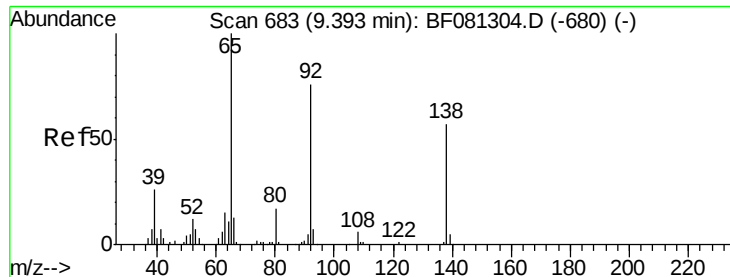
Tot Ion:165 Resp: 3804
 Ion Ratio Lower Upper
 165 100
 63 46.2 32.3 48.5
 89 29.7 28.6 43.0



#51
 Acenaphthene
 Concen: 15.88 ng
 RT: 9.43 min Scan# 686
 Delta R.T. -0.02 min
 Lab File: BF081503.D
 Acq: 6 Sep 2015 11:43

Tgt Ion:154 Resp: 90497
 Ion Ratio Lower Upper
 154 100
 153 111.1 82.1 123.1
 152 57.5 37.9 56.9#





#52

3-Nitroaniline

Concen: 4.09 ng

RT: 9.38 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

Instrument :

BNA_F

ClientSampleId :

MGP208BR-7-8

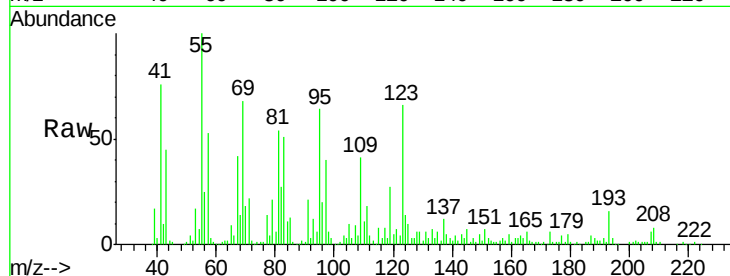
Tot Ion:138 Resp: 6977

Ion Ratio Lower Upper

138 100

108 81.0 5.7 8.5#

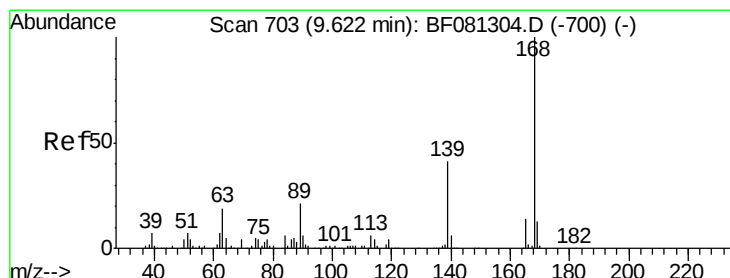
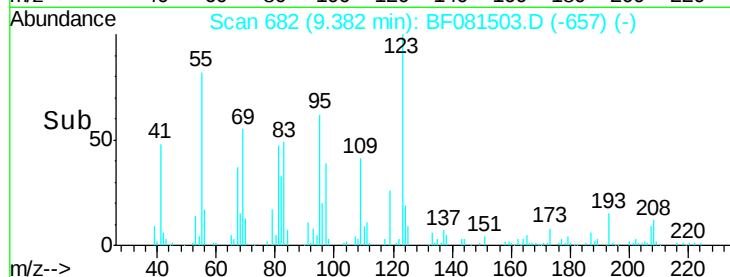
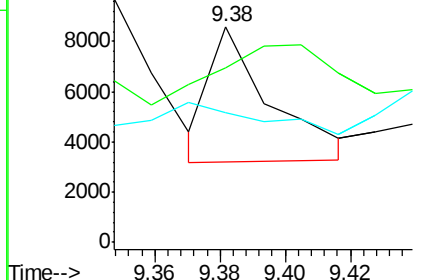
92 59.9 67.7 101.5#



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



#54

Dibenzofuran

Concen: 2.80 ng

RT: 9.39 min Scan# 683

Delta R.T. -0.23 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

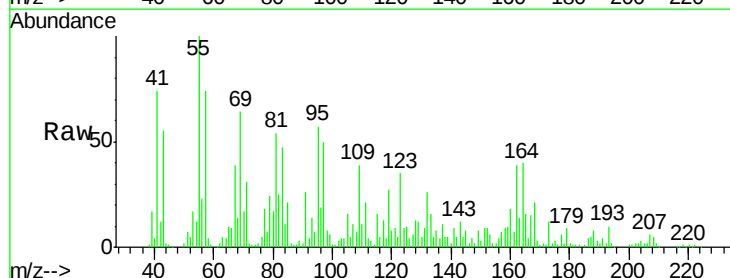
Tgt Ion:168 Resp: 23316

Ion Ratio Lower Upper

168 100

139 25.8 24.2 36.2

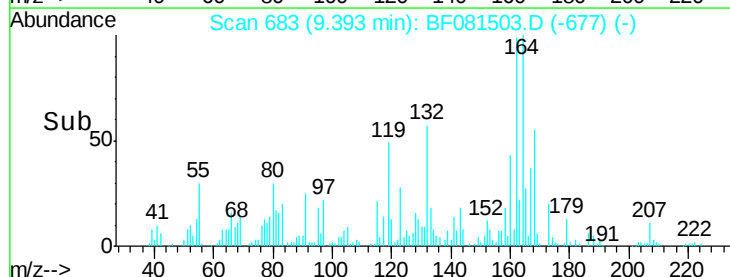
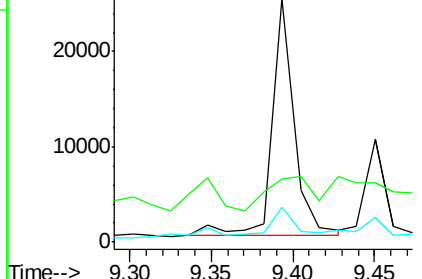
169 14.2 10.6 15.8

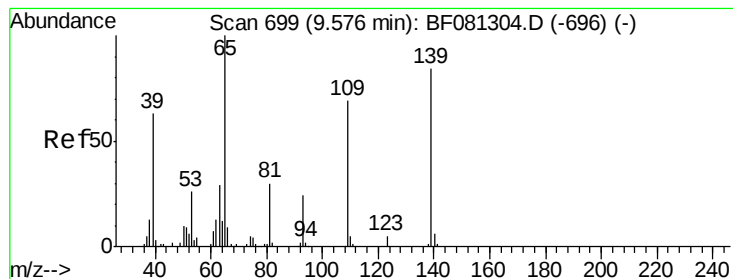


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 26.88 ng

RT: 9.60 min Scan# 701

Delta R.T. 0.02 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

Instrument :

BNA_F

ClientSampleId :

MGP208BR-7-8

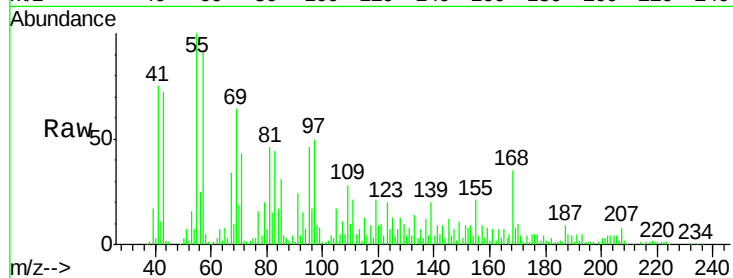
Tot Ion:139 Resp: 28820

Ion Ratio Lower Upper

139 100

109 140.0 12.7 52.7#

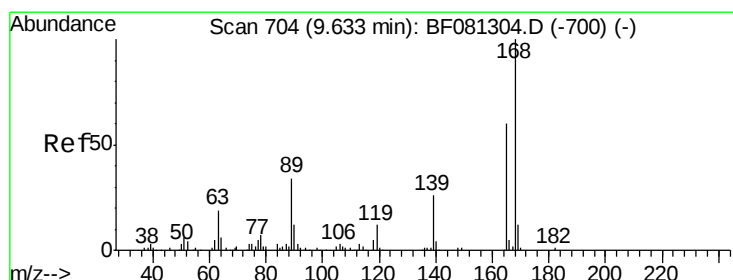
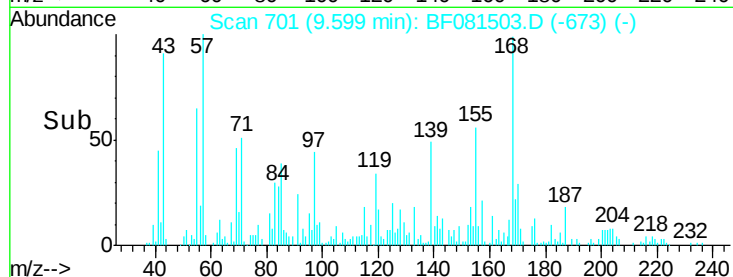
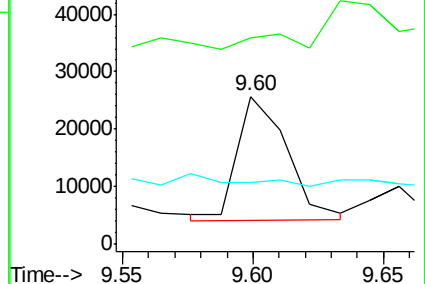
65 41.8 45.9 85.9#



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: 7.20 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.02 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

Tgt Ion:165 Resp: 13750

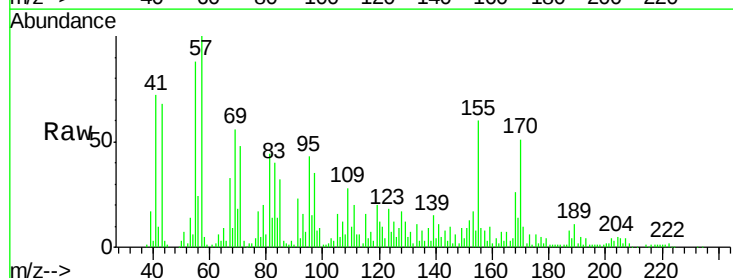
Ion Ratio Lower Upper

165 100

63 83.3 29.8 44.6#

89 42.5 44.5 66.7#

182 14.0 3.0 4.4#

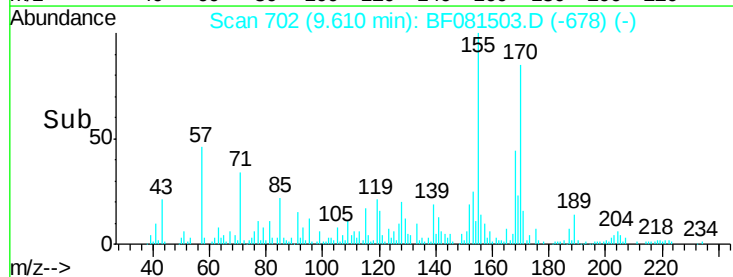
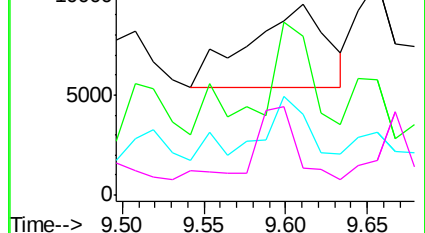


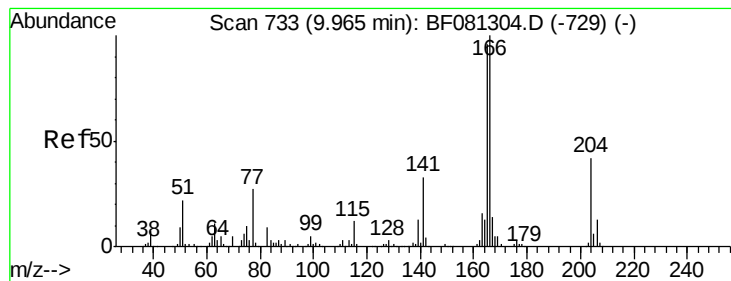
Abundance Ion 165.00 (164.70 to 165.70): E

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: 16.39 ng

RT: 9.95 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

Instrument :

BNA_F

ClientSampleId :

MGP208BR-7-8

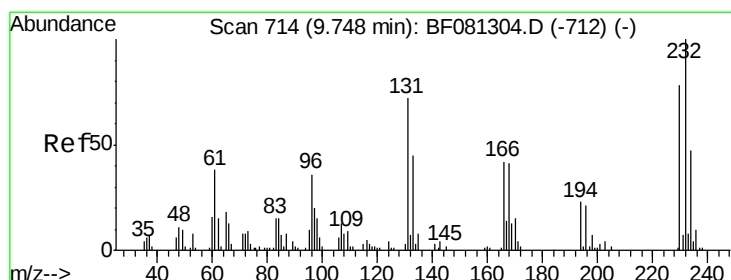
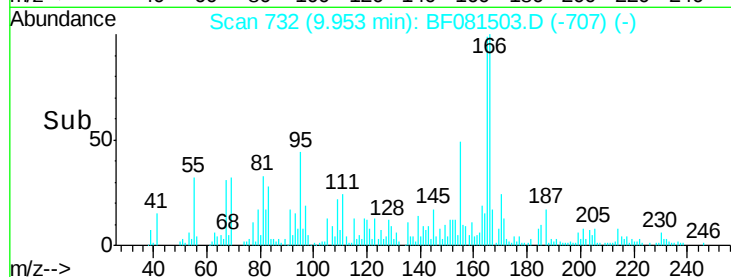
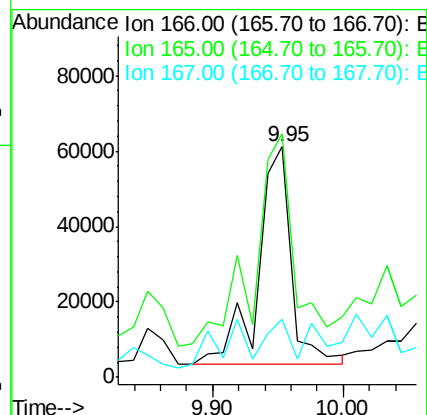
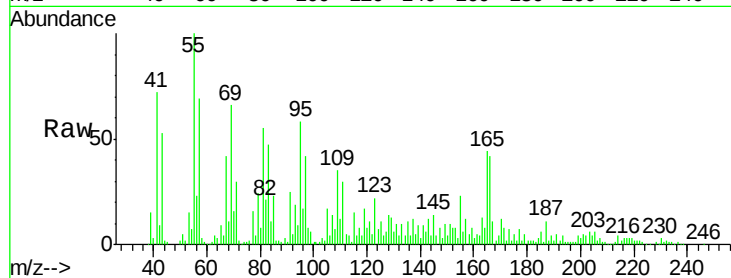
Tot Ion:166 Resp: 103540

Ion Ratio Lower Upper

166 100

165 105.7 72.6 109.0

167 25.2 10.6 16.0#



#58

2,3,4,6-Tetrachlorophenol

Concen: 8.19 ng

RT: 9.79 min Scan# 718

Delta R.T. 0.05 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

Tgt Ion:232 Resp: 11831

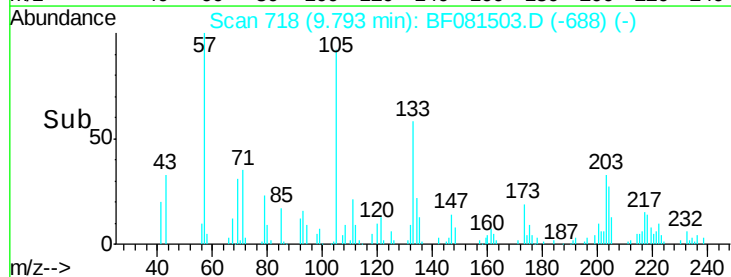
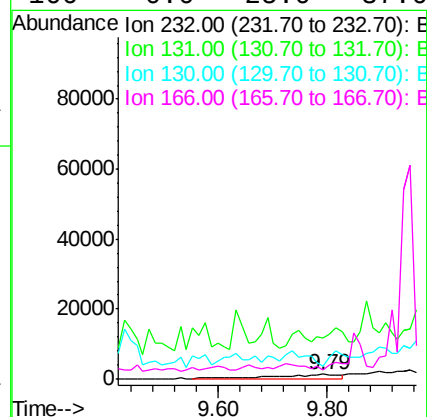
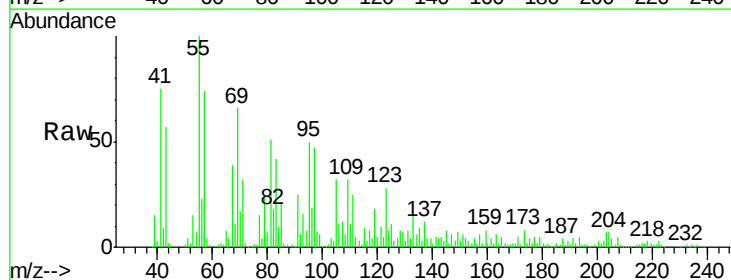
Ion Ratio Lower Upper

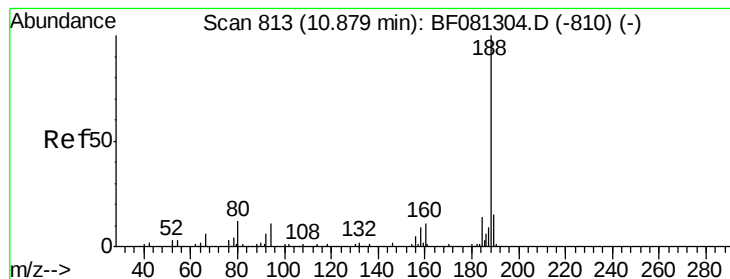
232 100

131 0.0 38.5 57.7#

130 0.0 1.8 2.6#

166 0.0 25.0 37.6#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 10.89 min Scan# 814

Delta R.T. 0.01 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

Instrument :

BNA_F

ClientSampleId :

MGP208BR-7-8

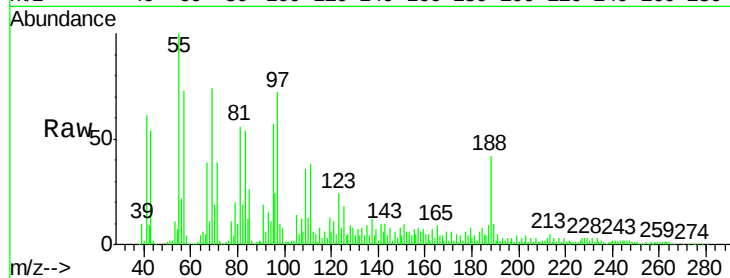
Tot Ion:188 Resp: 125373

Ion Ratio Lower Upper

188 100

94 25.0 11.1 16.7#

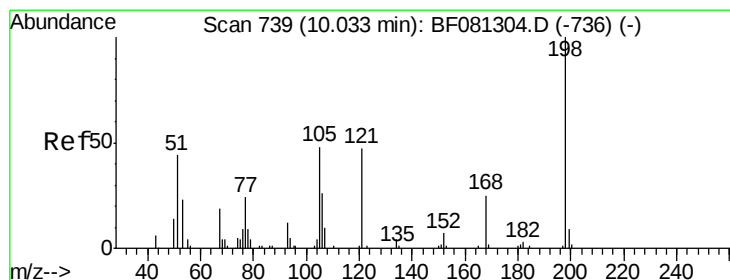
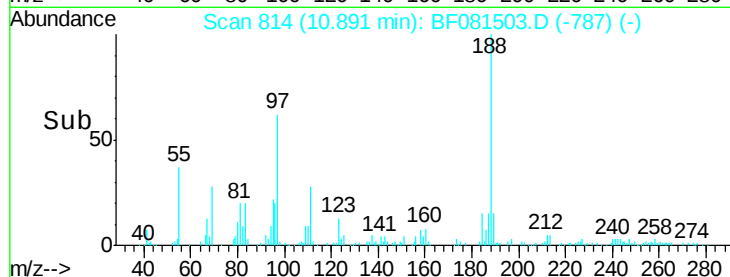
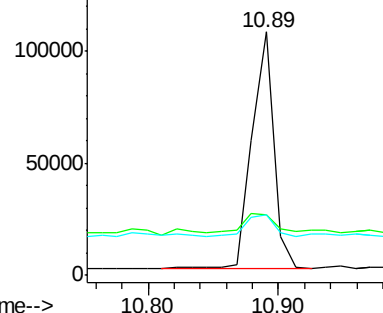
80 24.9 11.0 16.4#



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



#64

4,6-Dinitro-2-methylphenol

Concen: 5.41 ng

RT: 10.06 min Scan# 741

Delta R.T. 0.02 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

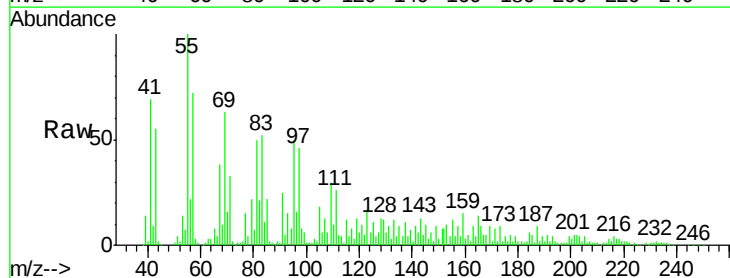
Tgt Ion:198 Resp: 3797

Ion Ratio Lower Upper

198 100

51 310.7 39.6 79.6#

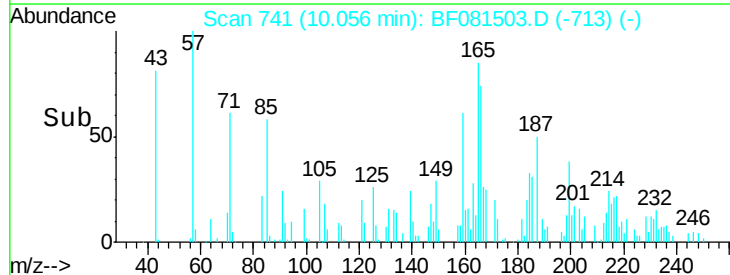
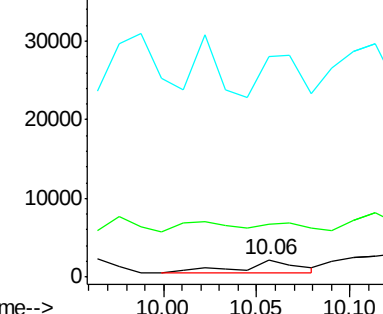
105 1288.9 28.5 68.5#

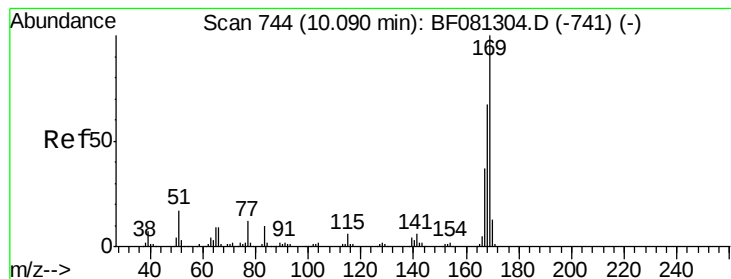


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 9.51 ng

RT: 10.08 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

Instrument :

BNA_F

ClientSampleId :

MGP208BR-7-8

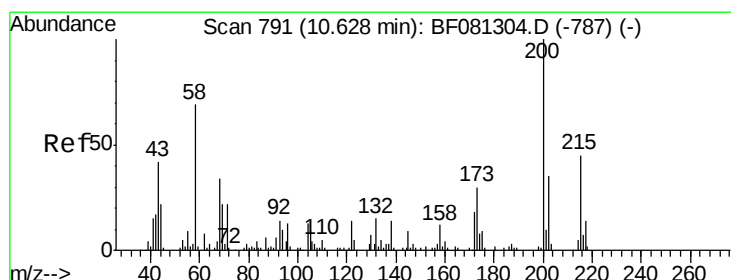
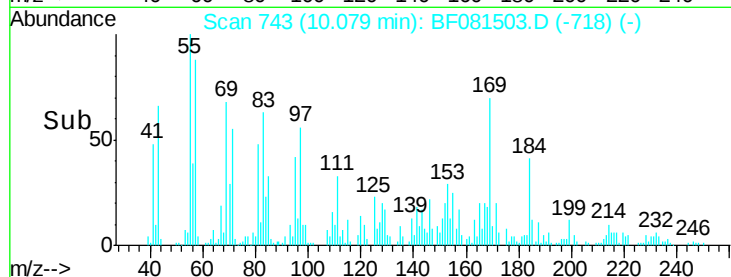
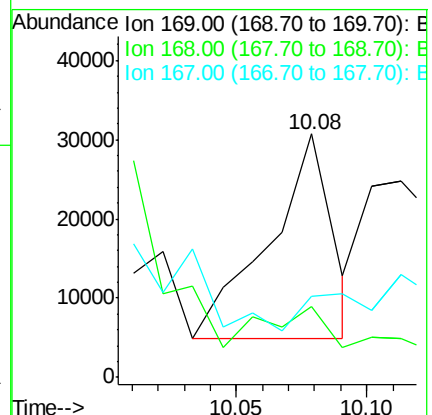
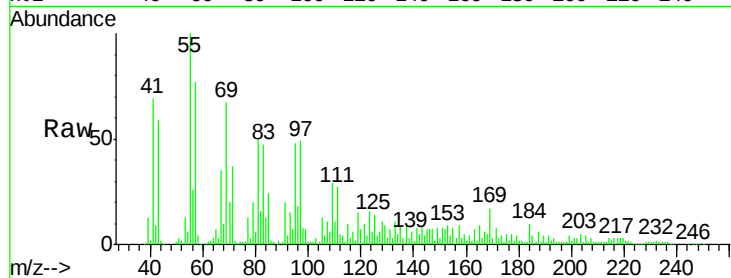
Tot Ion:169 Resp: 43404

Ion Ratio Lower Upper

169 100

168 29.1 48.9 73.3#

167 33.2 26.2 39.4



#68

Atrazine

Concen: 2.07 ng

RT: 10.59 min Scan# 788

Delta R.T. -0.03 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

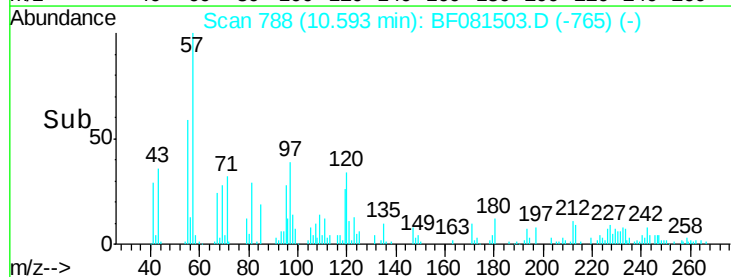
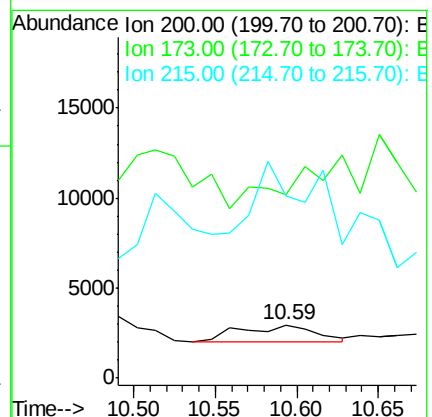
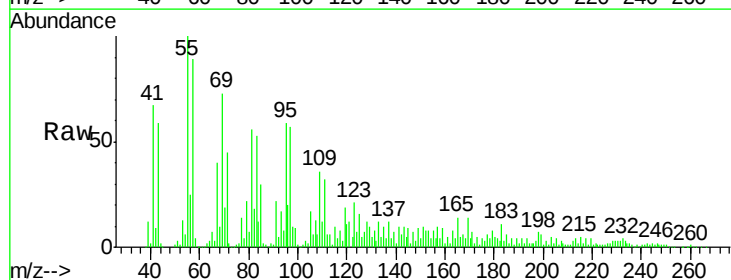
Tgt Ion:200 Resp: 2731

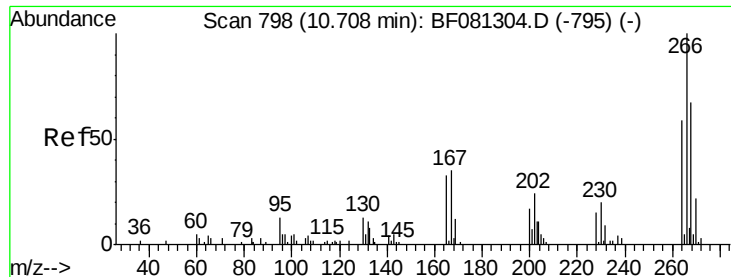
Ion Ratio Lower Upper

200 100

173 343.9 13.2 53.2#

215 340.8 41.8 81.8#

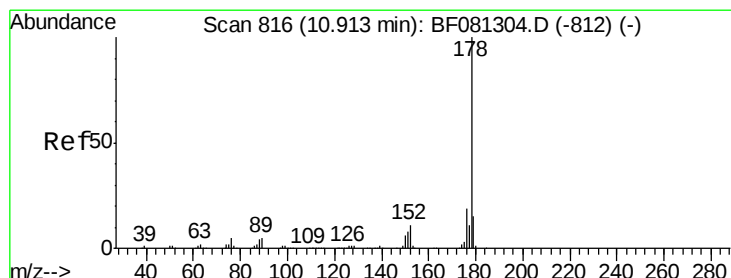
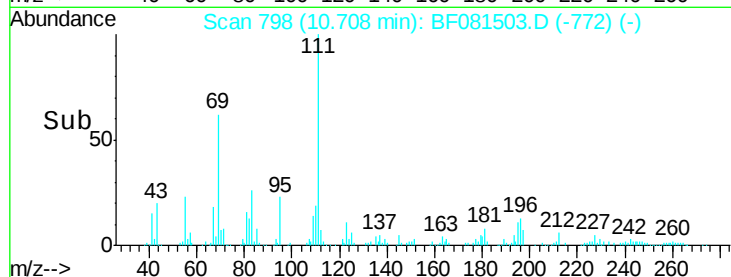
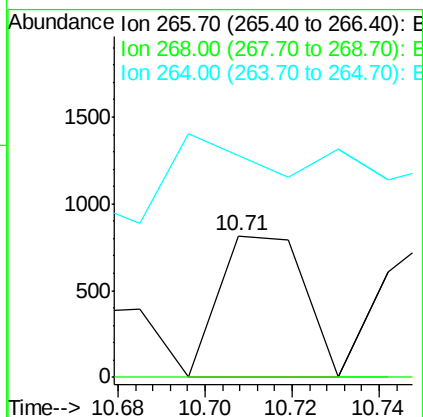
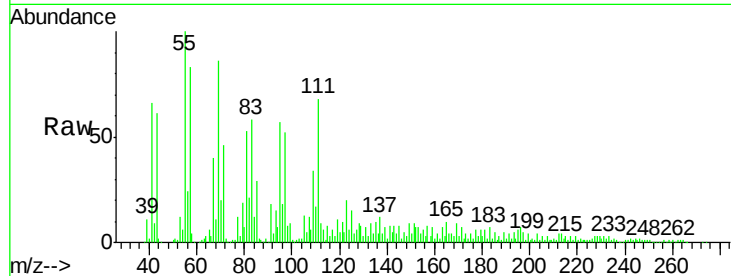




#69
 Pentachlorophenol
 Concen: 10.27 ng
 RT: 10.71 min Scan# 798
 Delta R.T. 0.00 min
 Lab File: BF081503.D
 Acq: 6 Sep 2015 11:43

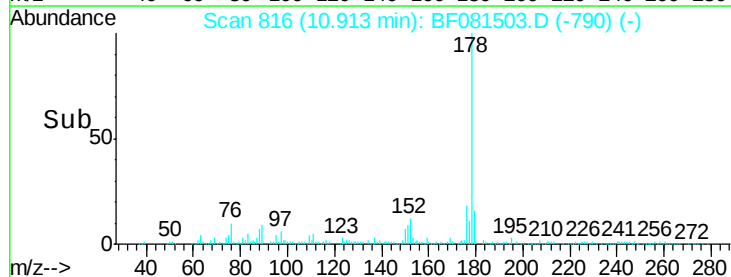
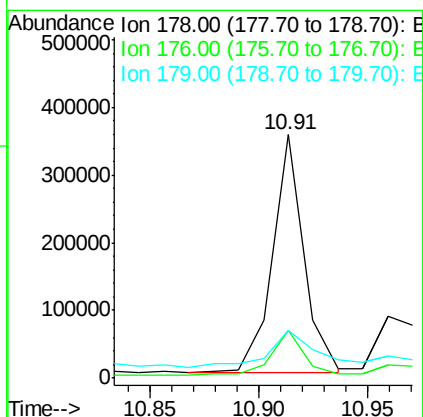
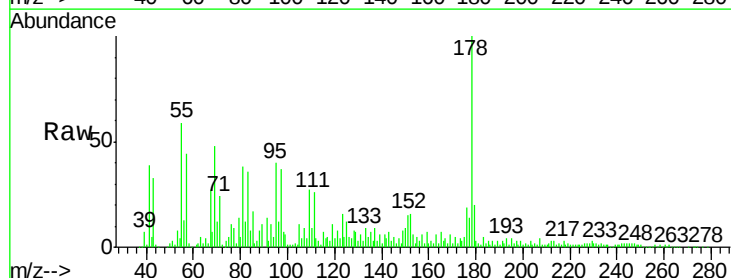
Instrument :
 BNA_F
 ClientSampleId :
 MGP208BR-7-8

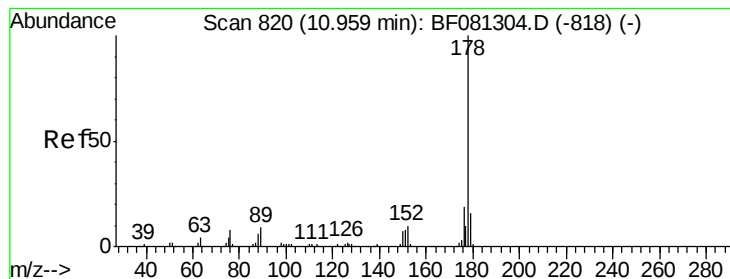
Tot Ion:266 Resp: 1102
 Ion Ratio Lower Upper
 266 100
 268 0.0 49.8 74.6#
 264 156.3 50.2 75.2#



#70
 Phenanthrene
 Concen: 50.47 ng
 RT: 10.91 min Scan# 816
 Delta R.T. 0.00 min
 Lab File: BF081503.D
 Acq: 6 Sep 2015 11:43

Tgt Ion:178 Resp: 351774
 Ion Ratio Lower Upper
 178 100
 176 19.4 13.8 20.8
 179 19.6 12.2 18.2#





#71

Anthracene

Concen: 15.26 ng

RT: 10.96 min Scan# 820

Delta R.T. 0.00 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

Instrument :

BNA_F

ClientSampleId :

MGP208BR-7-8

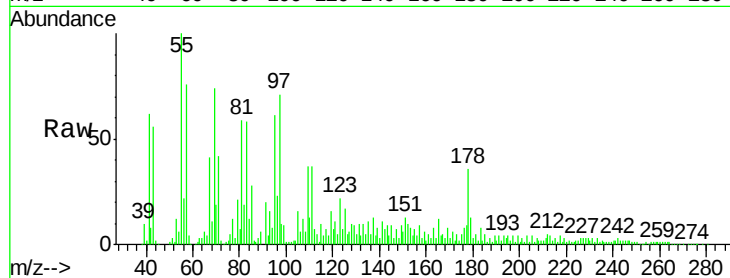
Tot Ion:178 Resp: 109269

Ion Ratio Lower Upper

178 100

176 21.6 14.1 21.1#

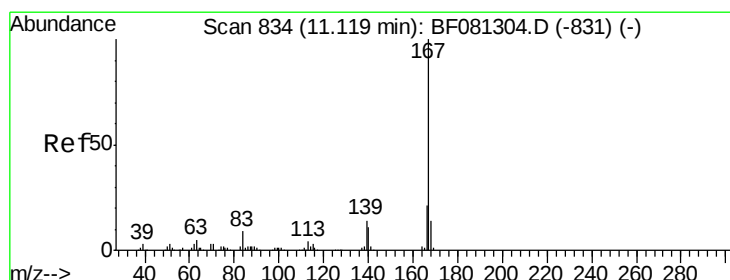
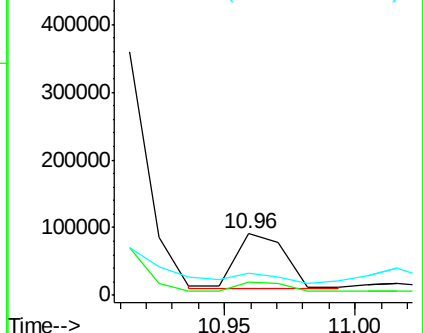
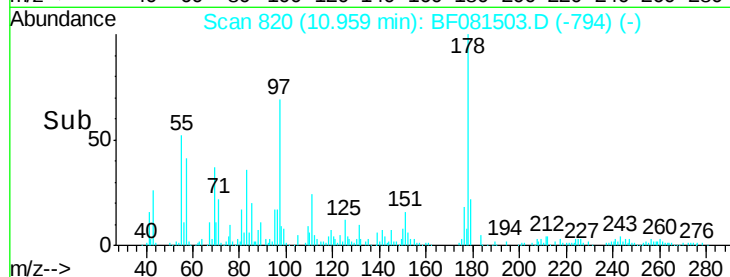
179 36.4 12.2 18.2#



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: 4.74 ng

RT: 11.12 min Scan# 834

Delta R.T. 0.00 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

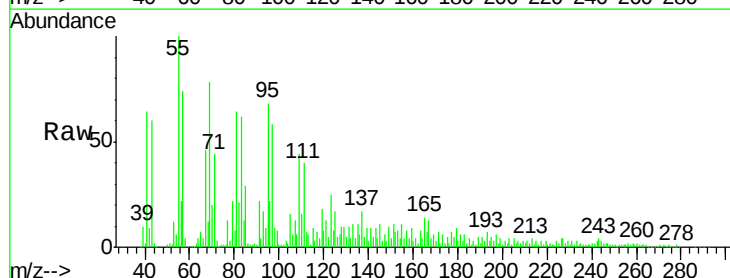
Tgt Ion:167 Resp: 31831

Ion Ratio Lower Upper

167 100

166 51.0 15.7 23.5#

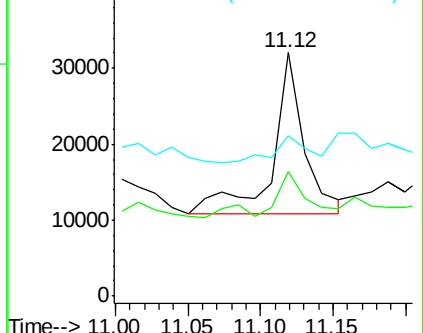
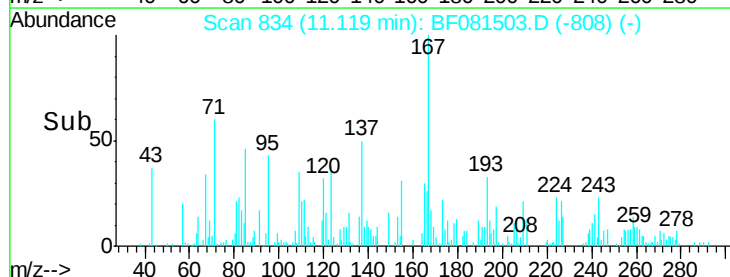
139 66.1 9.5 14.3#

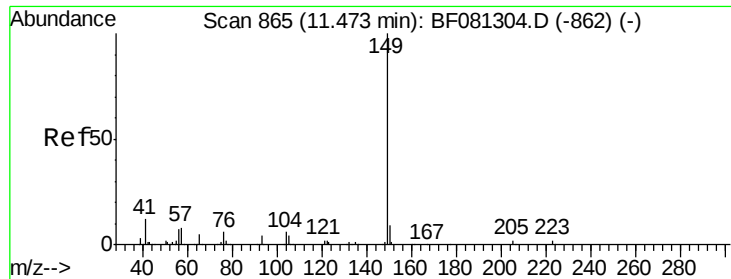


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 4.02 ng

RT: 11.44 min Scan# 862

Delta R.T. -0.03 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

Instrument :

BNA_F

ClientSampleId :

MGP208BR-7-8

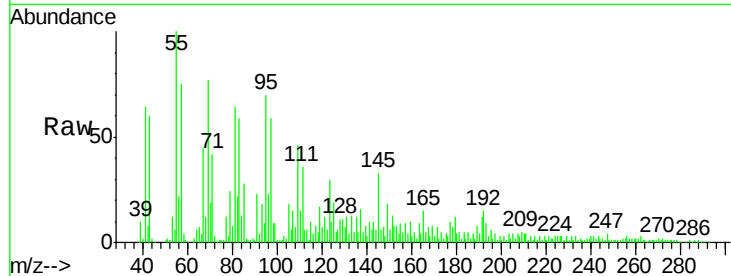
Tot Ion:149 Resp: 31876

Ion Ratio Lower Upper

149 100

150 34.9 7.4 11.2#

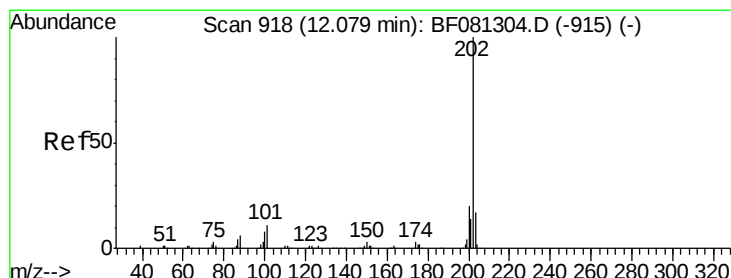
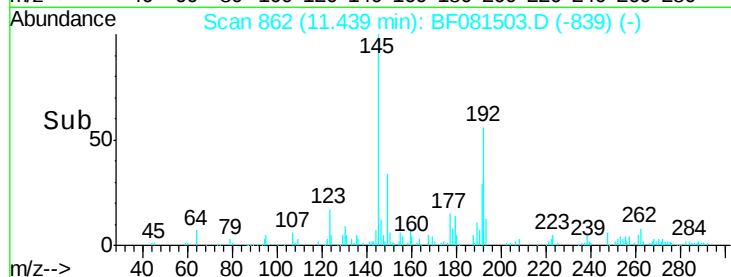
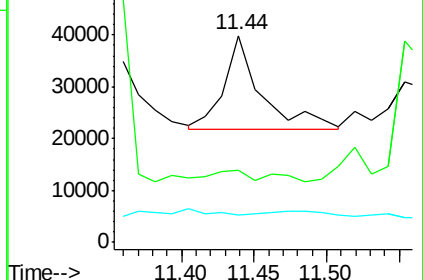
104 13.5 2.4 3.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 74.36 ng

RT: 12.10 min Scan# 920

Delta R.T. 0.02 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

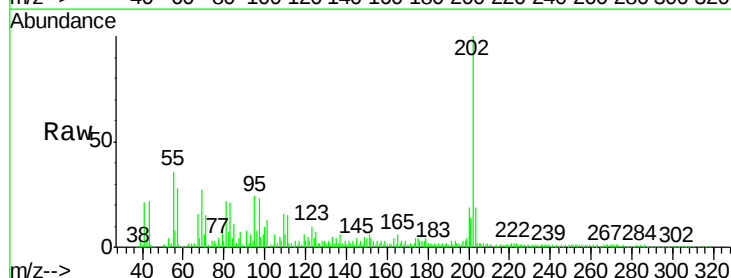
Tgt Ion:202 Resp: 561070

Ion Ratio Lower Upper

202 100

101 12.9 0.0 38.3

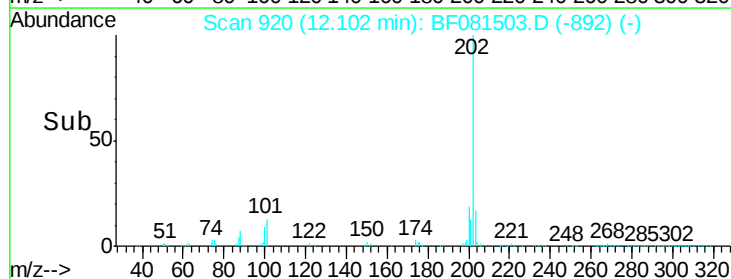
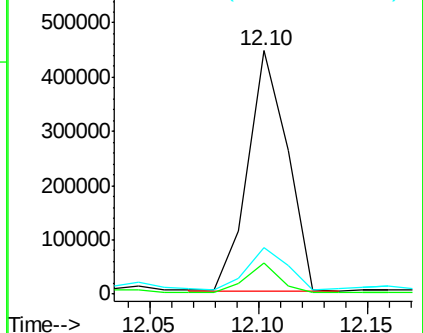
203 19.1 0.0 37.3

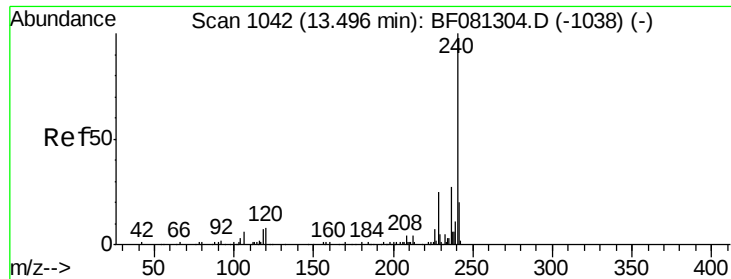


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.50 min Scan# 1042

Delta R.T. 0.00 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

Instrument :

BNA_F

ClientSampleId :

MGP208BR-7-8

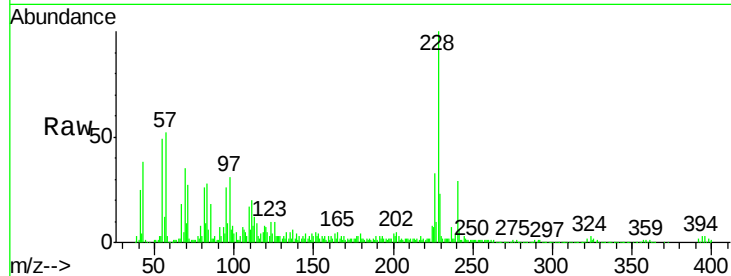
Tot Ion:240 Resp: 109671

Ion Ratio Lower Upper

240 100

120 22.8 16.2 24.2

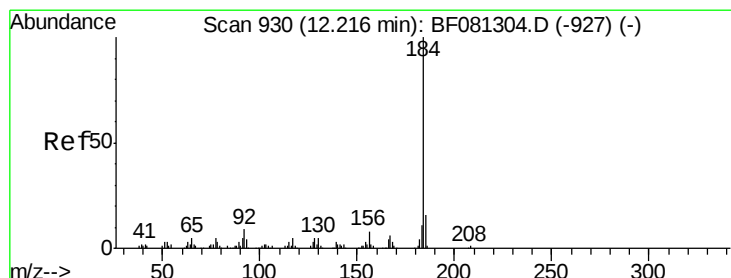
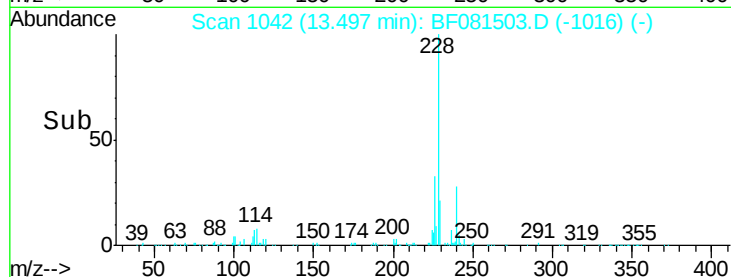
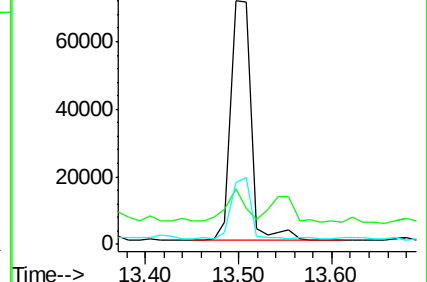
236 25.5 18.4 27.6



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



#76

Benzidine

Concen: 10.22 ng

RT: 12.20 min Scan# 929

Delta R.T. -0.01 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

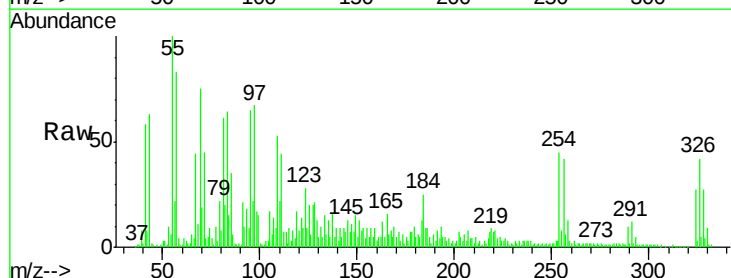
Tgt Ion:184 Resp: 48131

Ion Ratio Lower Upper

184 100

185 34.4 11.8 17.6#

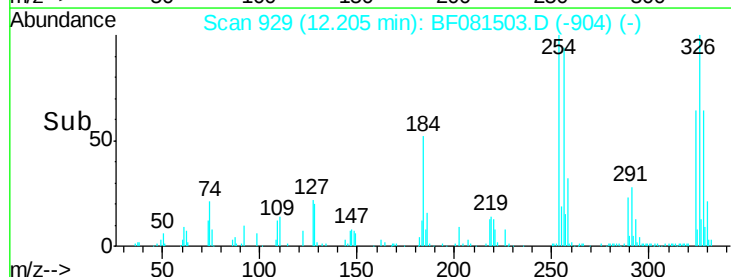
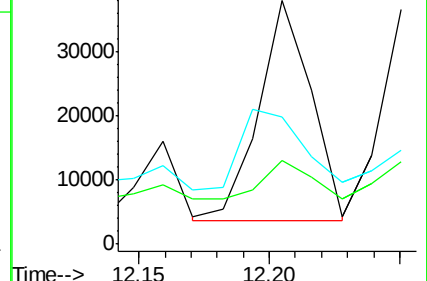
183 52.2 7.6 11.4#

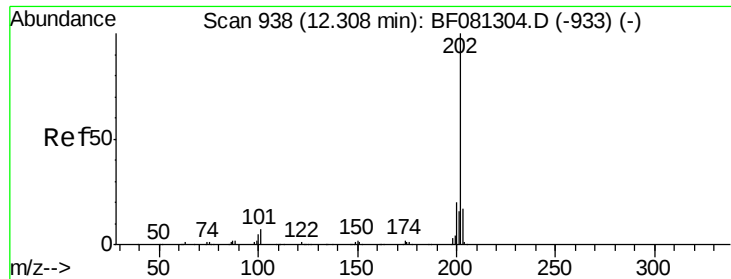


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 85.44 ng

RT: 12.33 min Scan# 940

Delta R.T. 0.02 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

Instrument :

BNA_F

ClientSampleId :

MGP208BR-7-8

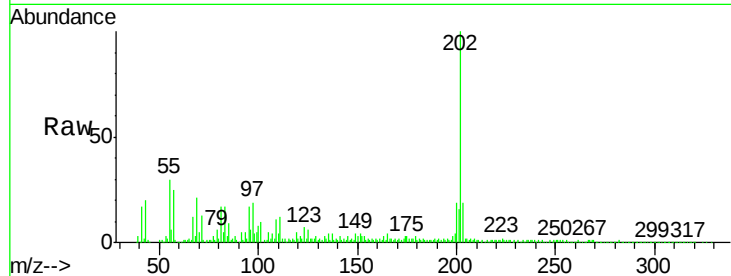
Tot Ion:202 Resp: 694109

Ion Ratio Lower Upper

202 100

200 19.4 15.0 22.4

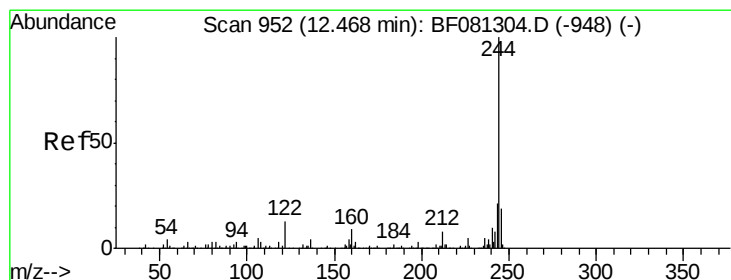
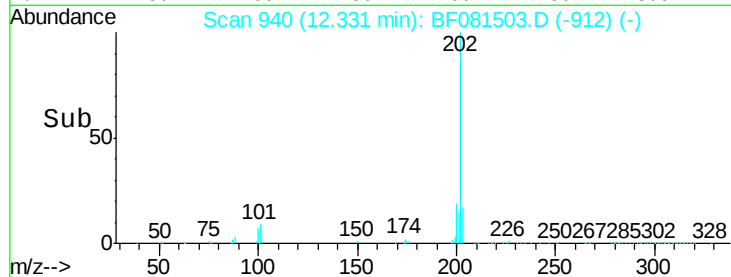
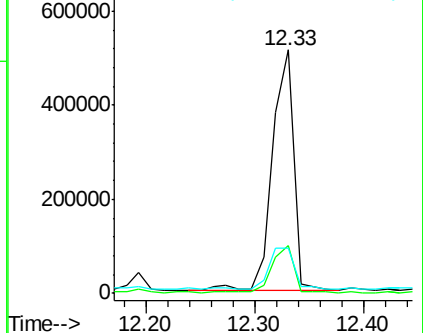
203 18.6 14.1 21.1



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: 71.54 ng

RT: 12.48 min Scan# 953

Delta R.T. 0.01 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

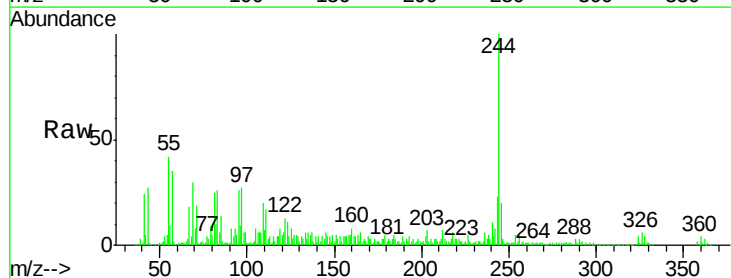
Tgt Ion:244 Resp: 337059

Ion Ratio Lower Upper

244 100

212 7.3 4.3 6.5#

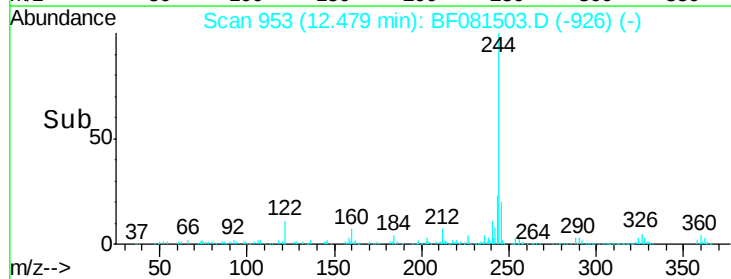
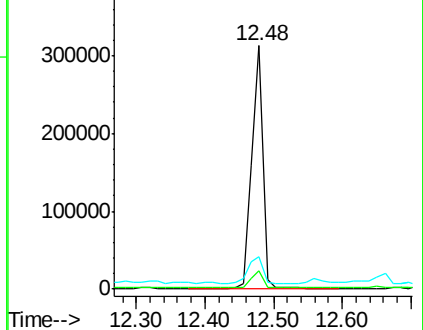
122 13.4 17.4 26.2#

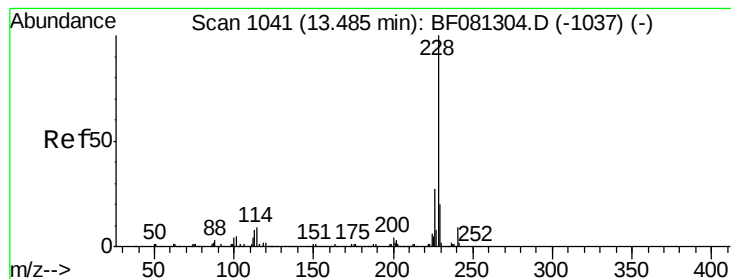


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 48.38 ng

RT: 13.50 min Scan# 1042

Delta R.T. 0.01 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

Instrument :

BNA_F

ClientSampleId :

MGP208BR-7-8

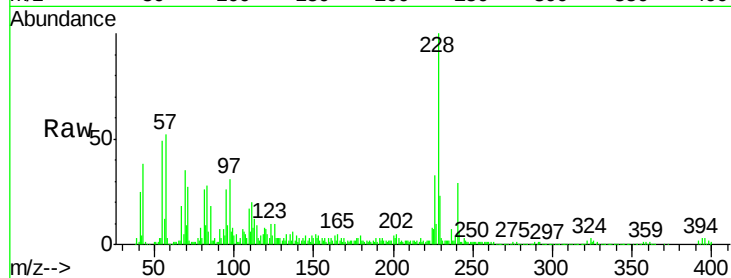
Tot Ion:228 Resp: 337921

Ion Ratio Lower Upper

228 100

226 33.3 20.0 30.0#

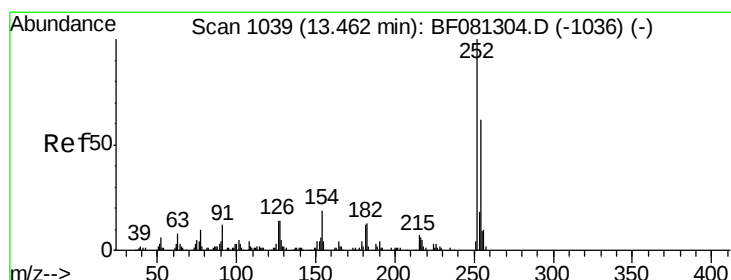
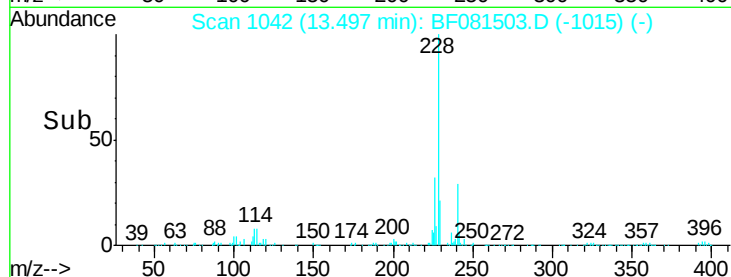
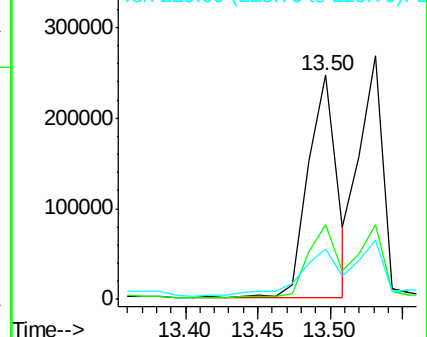
229 22.8 15.4 23.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#81

3,3'-Dichlorobenzidine

Concen: 2.70 ng

RT: 13.49 min Scan# 1041

Delta R.T. 0.02 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

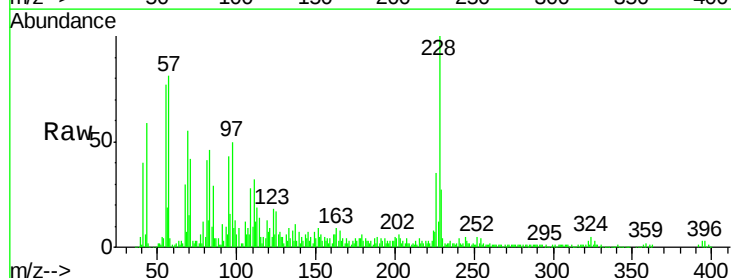
Tgt Ion:252 Resp: 6356

Ion Ratio Lower Upper

252 100

254 78.7 51.4 77.2#

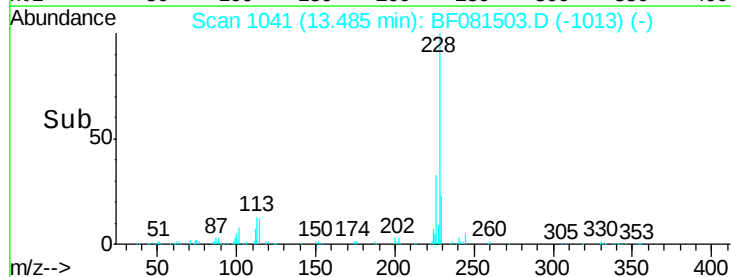
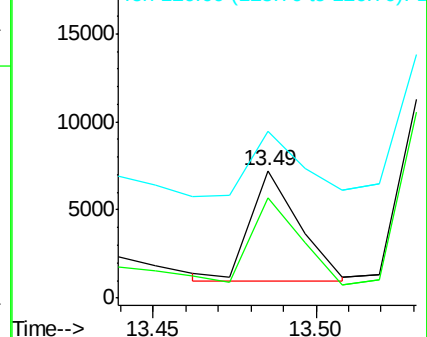
126 131.6 16.4 24.6#

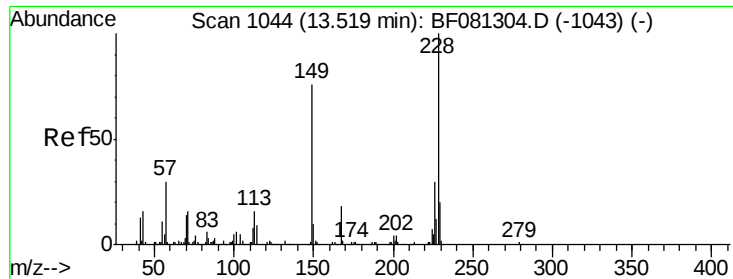


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

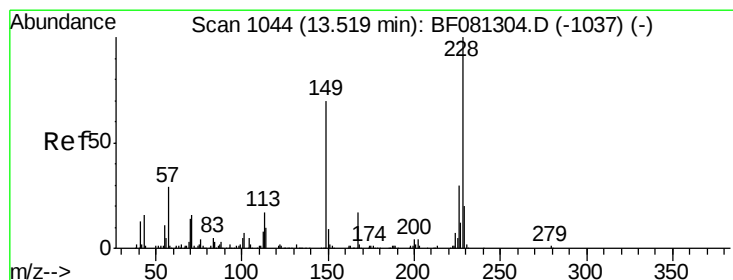
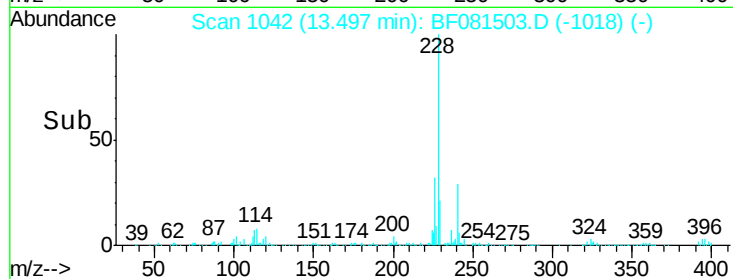
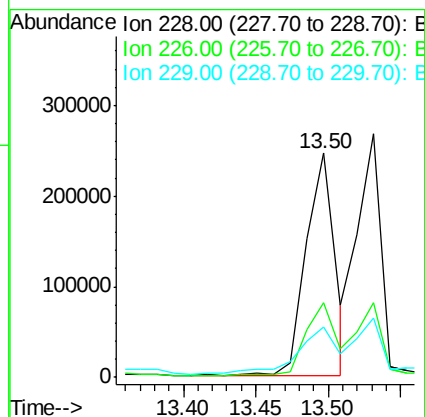
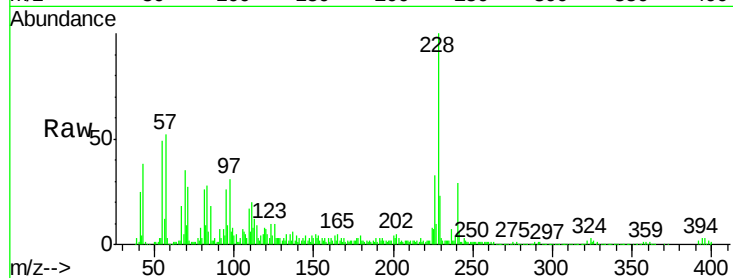




#82
Chrysene
Concen: 53.97 ng
RT: 13.50 min Scan# 1042
Delta R.T. -0.02 min
Lab File: BF081503.D
Acq: 6 Sep 2015 11:43

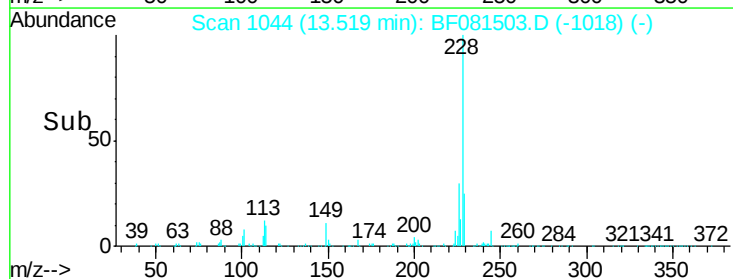
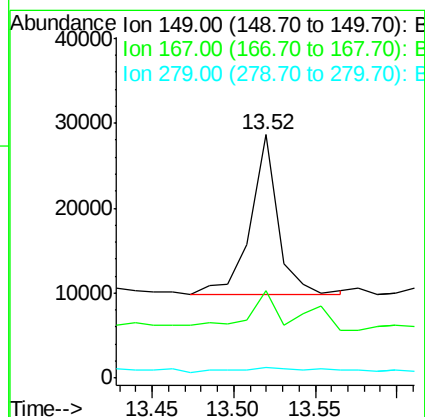
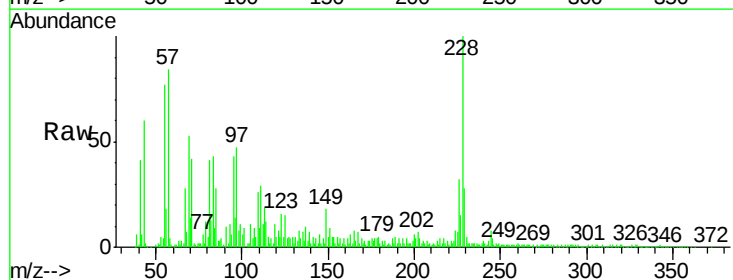
Instrument :
BNA_F
ClientSampleId :
MGP208BR-7-8

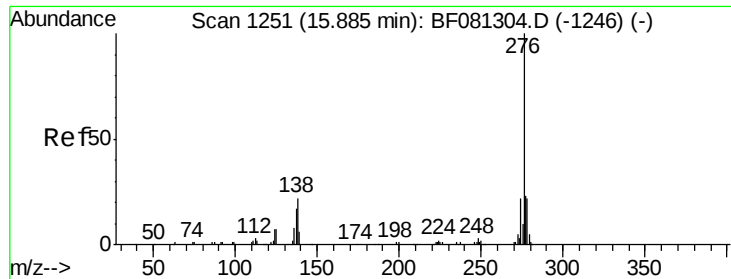
Tot Ion:228 Resp: 337921
Ion Ratio Lower Upper
228 100
226 33.3 21.0 31.4#
229 22.8 15.6 23.4



#83
Bis(2-ethylhexyl)phthalate
Concen: 4.77 ng
RT: 13.52 min Scan# 1044
Delta R.T. 0.00 min
Lab File: BF081503.D
Acq: 6 Sep 2015 11:43

Tgt Ion:149 Resp: 22255
Ion Ratio Lower Upper
149 100
167 35.9 24.2 36.2
279 4.2 3.8 5.6

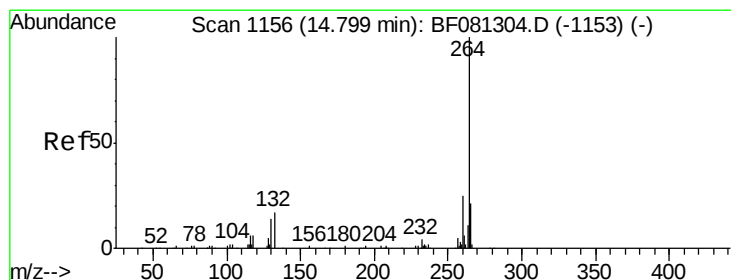
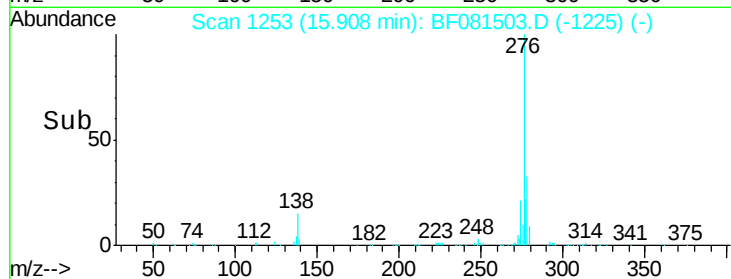
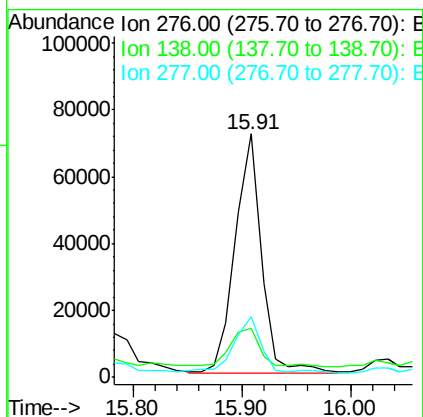
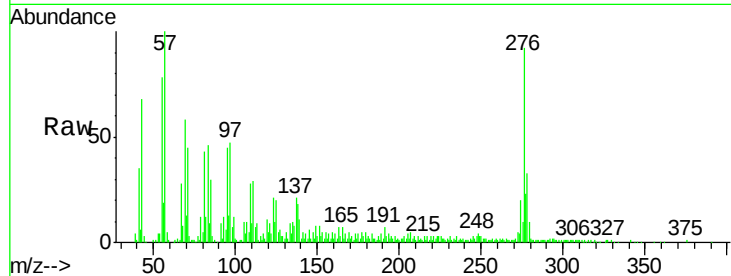




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 26.14 ng
 RT: 15.91 min Scan# 1253
 Delta R.T. 0.02 min
 Lab File: BF081503.D
 Acq: 6 Sep 2015 11:43

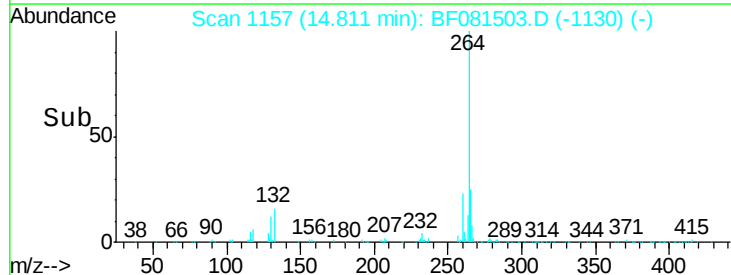
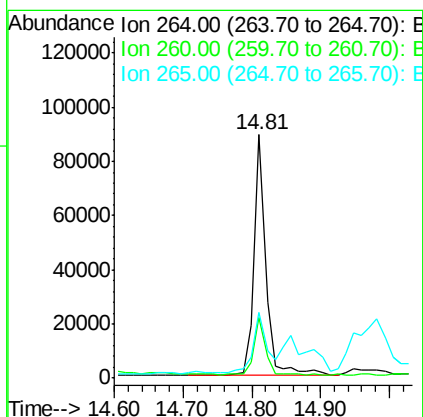
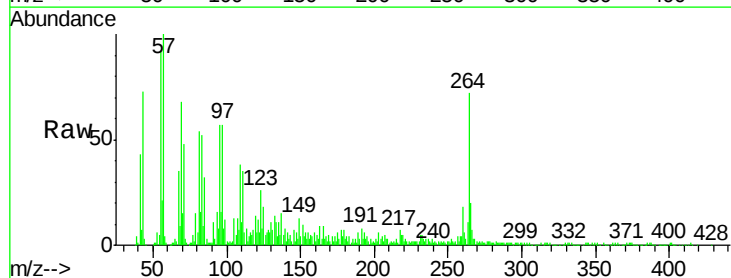
Instrument :
 BNA_F
 ClientSampleId :
 MGP208BR-7-8

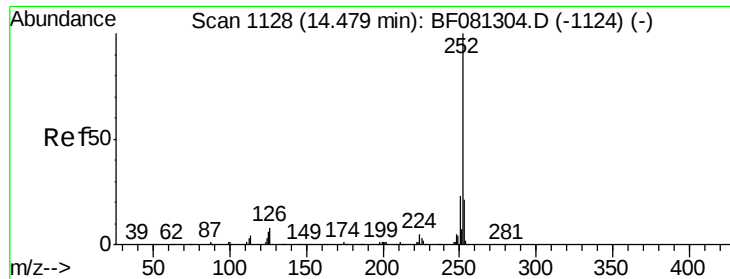
Tot Ion	Ratio	Lower	Upper
276	100		
138	18.8	25.7	38.5#
277	25.2	15.6	23.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.81 min Scan# 1157
 Delta R.T. 0.01 min
 Lab File: BF081503.D
 Acq: 6 Sep 2015 11:43

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	16.7	25.1
265	27.2	17.2	25.8#





#87

Benzo(b)fluoranthene

Concen: 59.28 ng

RT: 14.49 min Scan# 1129

Delta R.T. 0.01 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

Instrument :

BNA_F

ClientSampleId :

MGP208BR-7-8

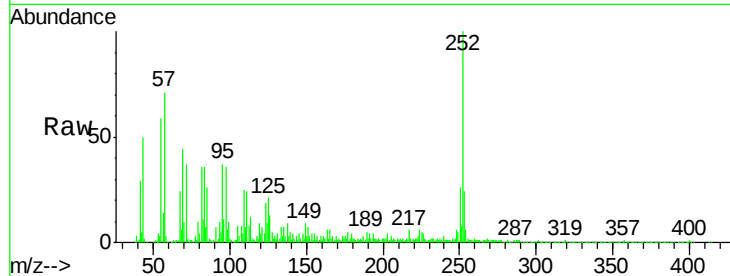
Tot Ion:252 Resp: 437803

Ion Ratio Lower Upper

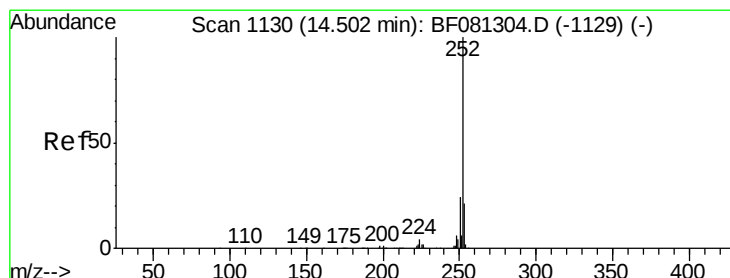
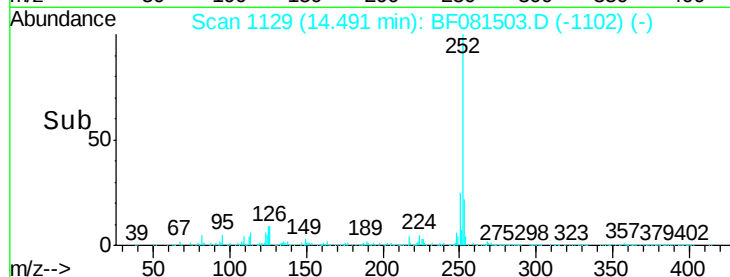
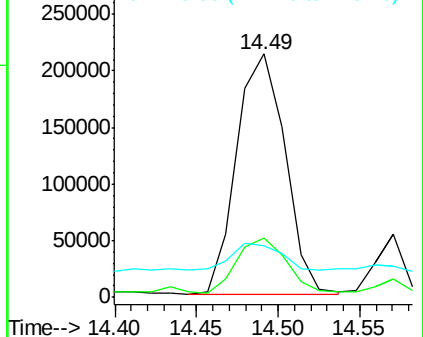
252 100

253 24.2 17.5 26.3

125 21.4 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: 71.44 ng

RT: 14.49 min Scan# 1129

Delta R.T. -0.01 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

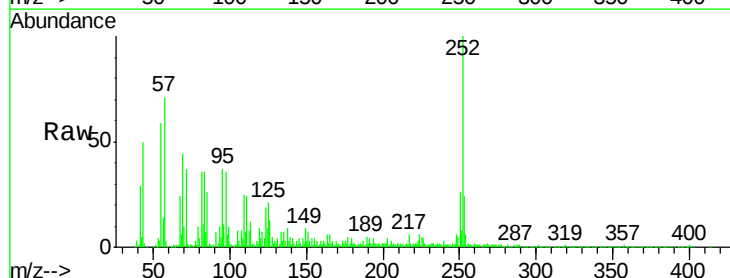
Tgt Ion:252 Resp: 437803

Ion Ratio Lower Upper

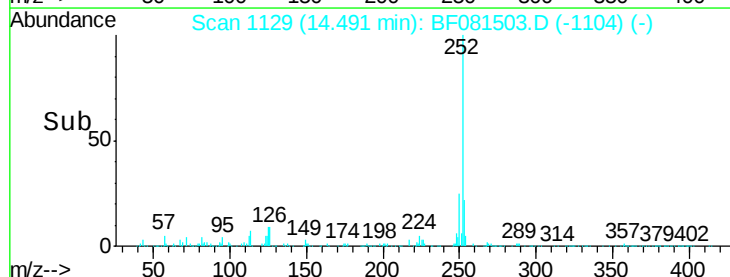
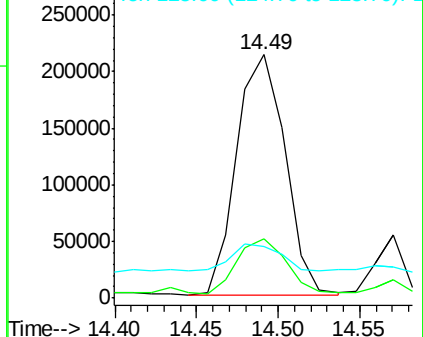
252 100

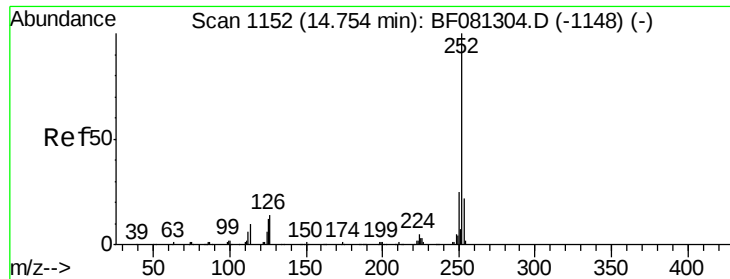
253 24.2 17.0 25.4

125 21.4 16.0 24.0



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





#89

Benzo(a)pyrene

Concen: 32.05 ng

RT: 14.77 min Scan# 1153

Delta R.T. 0.01 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

Instrument :

BNA_F

ClientSampleId :

MGP208BR-7-8

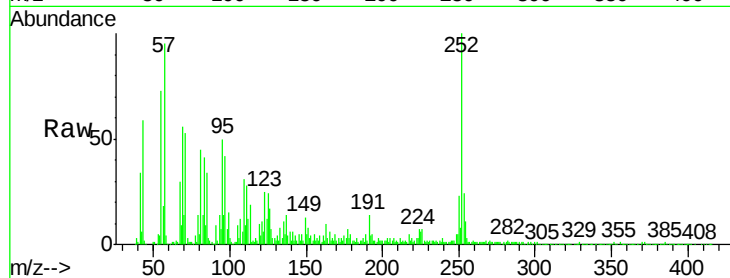
Tot Ion:252 Resp: 200600

Ion Ratio Lower Upper

252 100

253 23.5 17.2 25.8

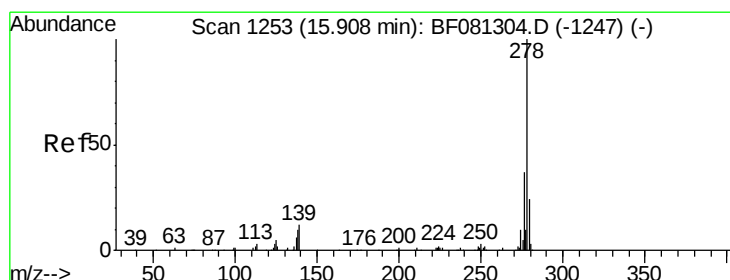
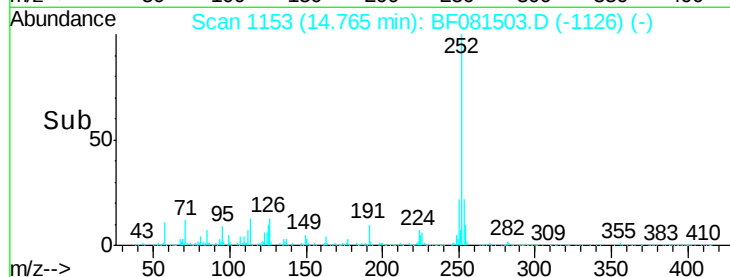
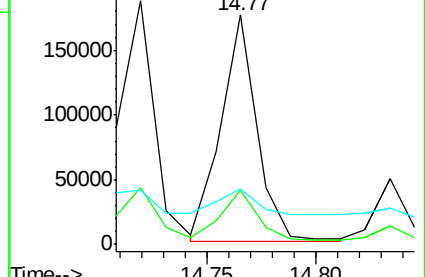
125 23.9 18.0 27.0



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: 9.33 ng

RT: 15.91 min Scan# 1253

Delta R.T. 0.00 min

Lab File: BF081503.D

Acq: 6 Sep 2015 11:43

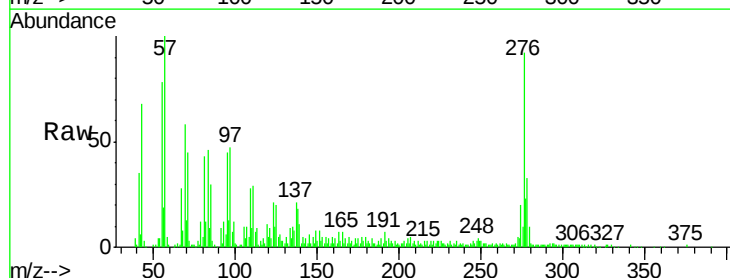
Tgt Ion:278 Resp: 45108

Ion Ratio Lower Upper

278 100

139 33.2 26.3 39.5

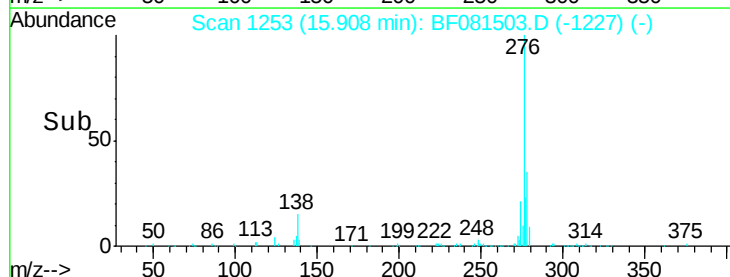
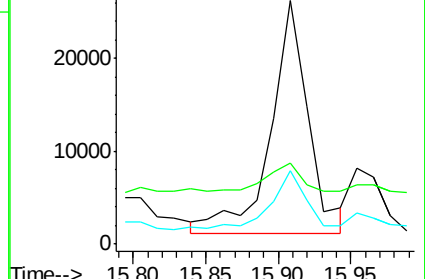
279 29.9 18.2 27.4#

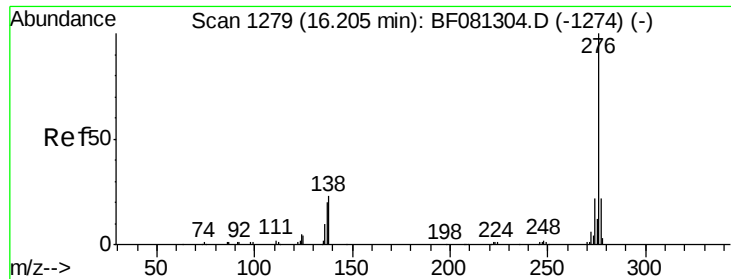


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

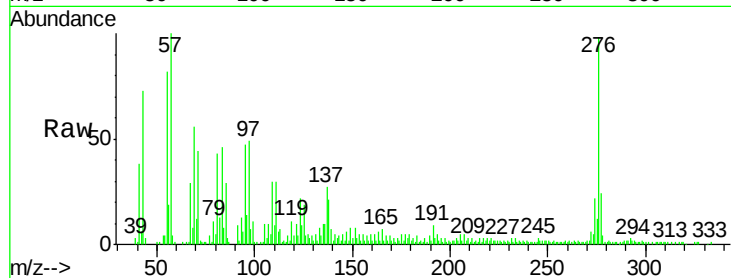




#91
 Benzo(a,h,i)perylene
 Concen: 23.51 ng
 RT: 16.23 min Scan# 1281
 Delta R.T. 0.02 min
 Lab File: BF081503.D
 Acq: 6 Sep 2015 11:43

Instrument :
 BNA_F
 ClientSampleId :
 MGP208BR-7-8

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	24.9	17.8	26.6	
138	21.8	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

