

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111716\
 Data File : BF091216.D
 Acq On : 17 Nov 2016 17:03
 Operator : UM/SJ
 Sample : H5686-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-1

Quant Time: Nov 18 03:06:03 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 08 12:59:29 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	179731	20.00	ng	-0.05
21) Naphthalene-d8	7.90	136	759756	20.00	ng	-0.05
38) Acenaphthene-d10	9.66	164	421203	20.00	ng	-0.03
63) Phenanthrene-d10	11.14	188	676289	20.00	ng	-0.03
75) Chrysene-d12	13.77	240	475141	20.00	ng	-0.05
86) Perylene-d12	15.14	264	343689	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	731841	67.25	ng	-0.05
7) Phenol-d6	6.27	99	635292	43.01	ng	-0.05
23) Nitrobenzene-d5	7.20	82	1194678	85.78	ng	-0.05
41) 2,4,6-Tribromophenol	10.45	330	487315	127.97	ng	-0.03
44) 2-Fluorobiphenyl	8.99	172	1975904	80.76	ng	-0.05
78) Terphenyl-d14	12.73	244	1809776	95.05	ng	-0.03
Target Compounds						Qvalue
9) Benzaldehyde	6.38	77	28057	3.42	ng	84
15) Benzyl Alcohol	6.77	79	25418	2.44	ng	# 48
18) Hexachloroethane	7.20	117	962656	176.58	ng	# 5
19) n-Nitroso-di-n-propylamine	7.20	70	168969	16.51	ng	# 80
22) Acetophenone	6.97	105	192943	11.03	ng	# 68
24) Nitrobenzene	7.16	77	125008	8.13	ng	# 15
25) Isophorone	7.20	82	1144237	42.64	ng	# 67
31) Naphthalene	7.90	128	134564	3.70	ng	# 1
32) Benzoic acid	7.74	122	1504	5.23	ng	# 1
37) 2-Methylnaphthalene	8.62	142	632320	27.07	ng	99
51) Acenaphthene	9.69	154	154778	6.77	ng	99
53) 2,4-Dinitrophenol	9.90	184	898	6.52	ng	# 1
54) Dibenzofuran	9.87	168	167422	5.44	ng	# 88
55) 4-Nitrophenol	9.77	139	16635	9.04	ng	# 48
57) Fluorene	10.20	166	263501	10.48	ng	# 96
65) n-Nitrosodiphenylamine	10.32	169	53225	2.48	ng	# 56
66) 4-Bromophenyl-phenylether	10.45	248	33354	4.74	ng	# 1
70) Phenanthrene	11.16	178	307466	8.55	ng	99
71) Anthracene	11.16	178	307466	8.04	ng	100

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.61 min Scan# 431

Delta R.T. -0.05 min

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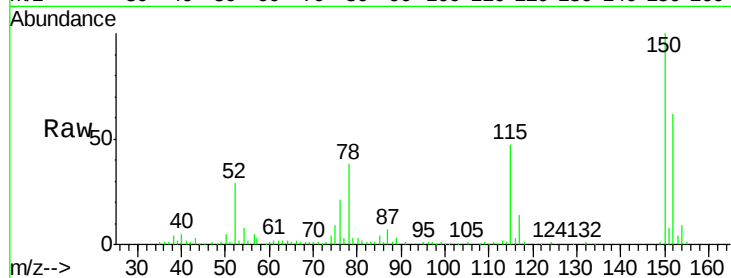
Tgt Ion:152 Resp: 179731

Ion Ratio Lower Upper

152 100

150 161.7 126.8 190.2

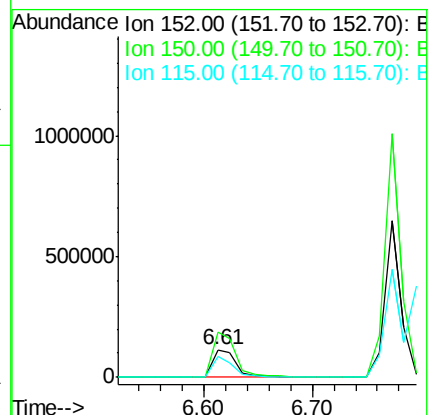
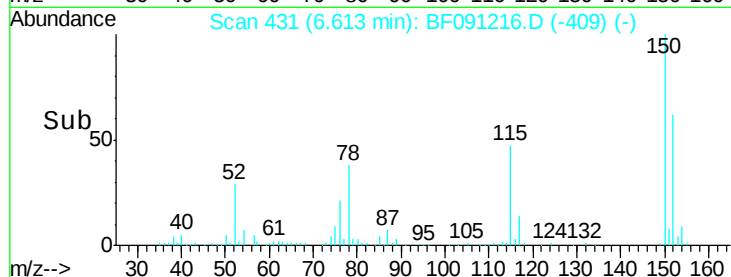
115 75.5 53.3 79.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 67.25 ng

RT: 5.20 min Scan# 307

Delta R.T. -0.05 min

Lab File: BF091216.D

Acq: 17 Nov 2016 17:03

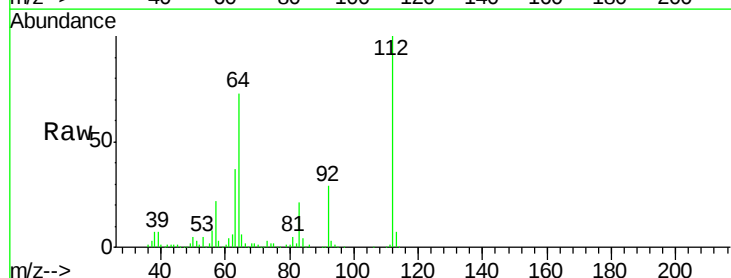
Tgt Ion:112 Resp: 731841

Ion Ratio Lower Upper

112 100

64 73.0 55.8 83.6

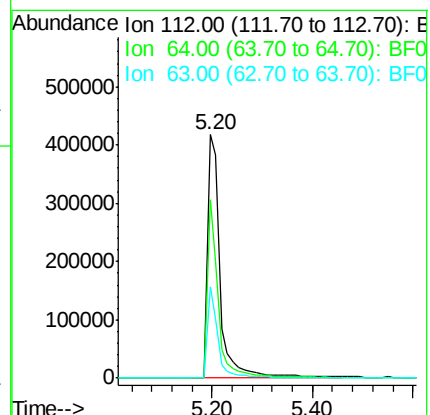
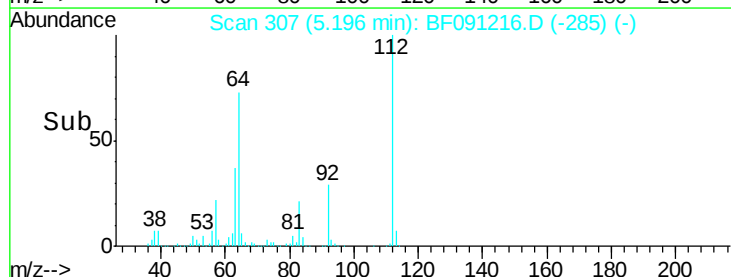
63 37.3 28.0 42.0



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: 43.01 ng

RT: 6.27 min Scan# 401

Delta R.T. -0.05 min

Lab File: BF091216.D

Acq: 17 Nov 2016 17:03

Instrument :

BNA_F

ClientSampleId :

MW-1

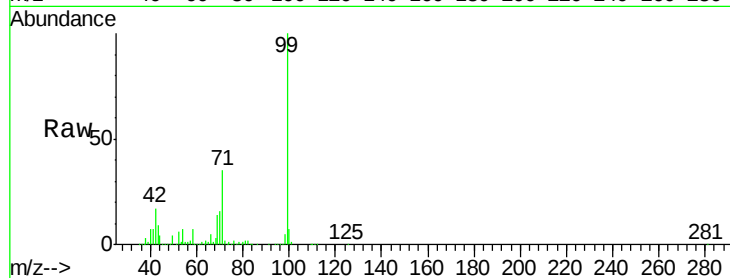
Tgt Ion: 99 Resp: 635292

Ion Ratio Lower Upper

99 100

42 17.3 13.9 20.9

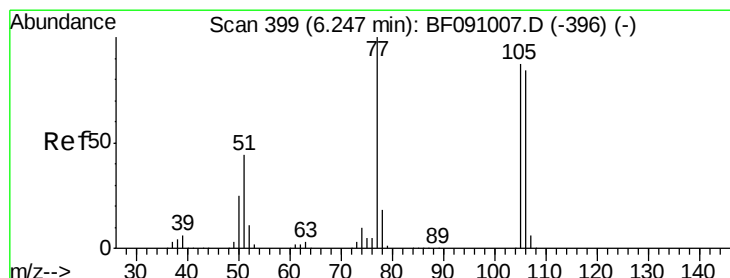
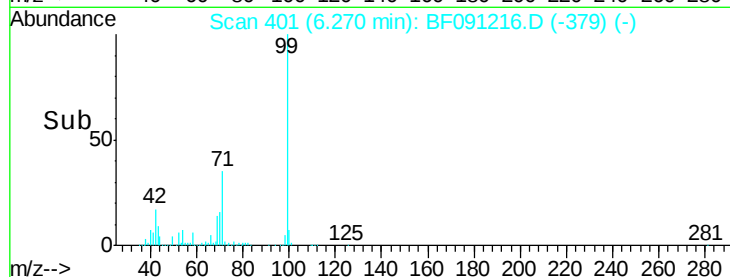
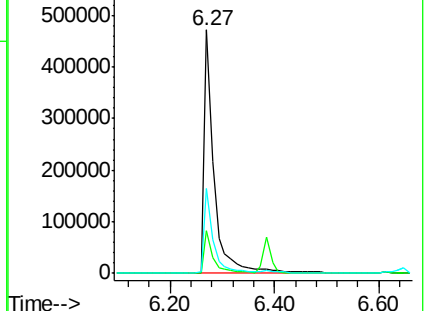
71 35.0 27.8 41.8



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: 3.42 ng

RT: 6.38 min Scan# 411

Delta R.T. 0.18 min

Lab File: BF091216.D

Acq: 17 Nov 2016 17:03

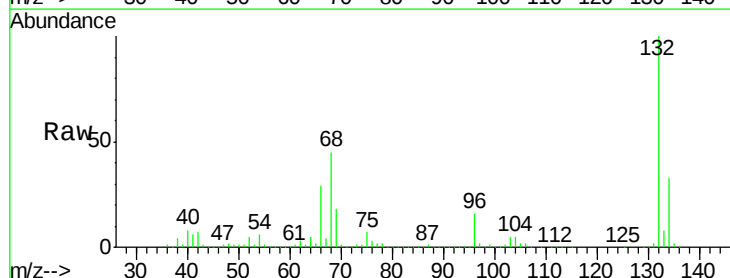
Tgt Ion: 77 Resp: 28057

Ion Ratio Lower Upper

77 100

105 77.3 66.8 106.8

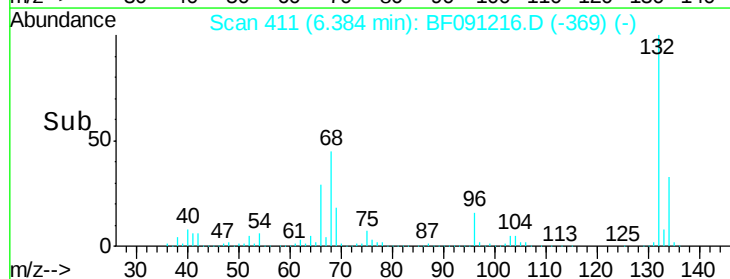
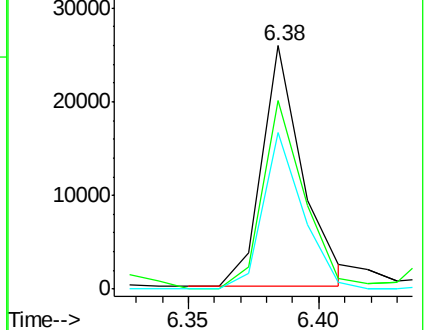
106 64.2 64.0 104.0

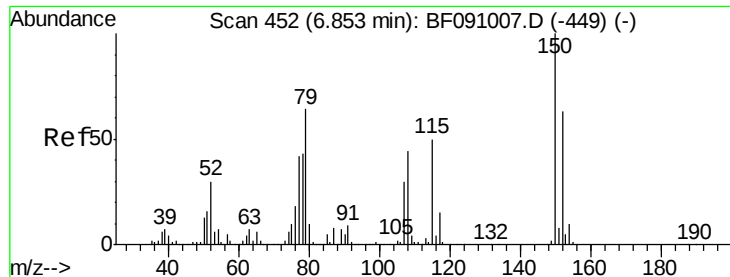


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.44 ng

RT: 6.77 min Scan# 445

Delta R.T. -0.05 min

Lab File: BF091216.D

Acq: 17 Nov 2016 17:03

Instrument :

BNA_F

ClientSampleId :

MW-1

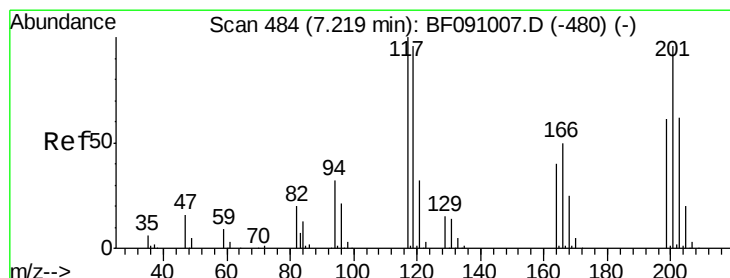
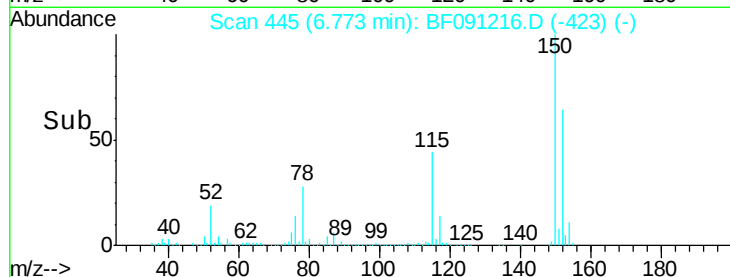
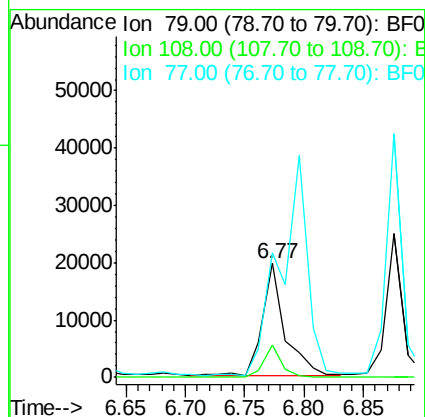
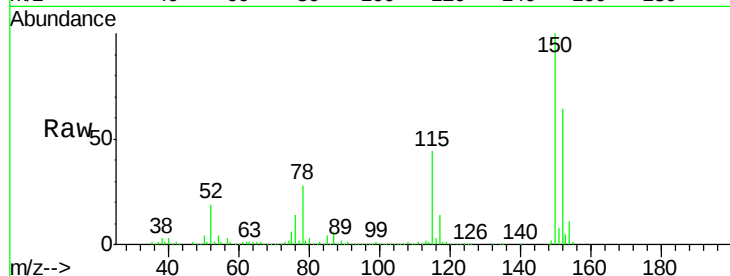
Tgt Ion: 79 Resp: 25418

Ion Ratio Lower Upper

79 100

108 28.8 55.7 83.5#

77 108.7 52.6 79.0#



#18

Hexachloroethane

Concen: 176.58 ng

RT: 7.20 min Scan# 482

Delta R.T. 0.02 min

Lab File: BF091216.D

Acq: 17 Nov 2016 17:03

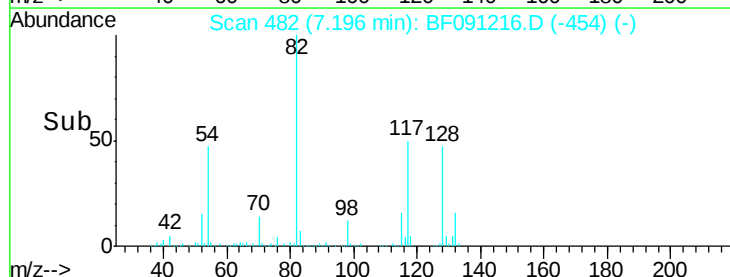
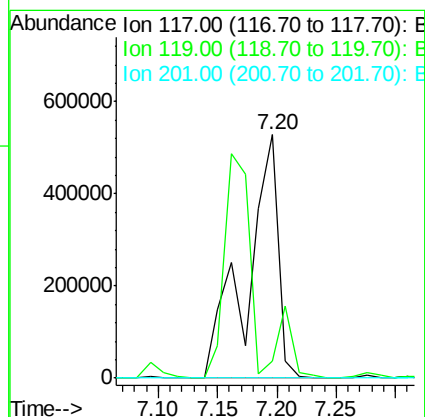
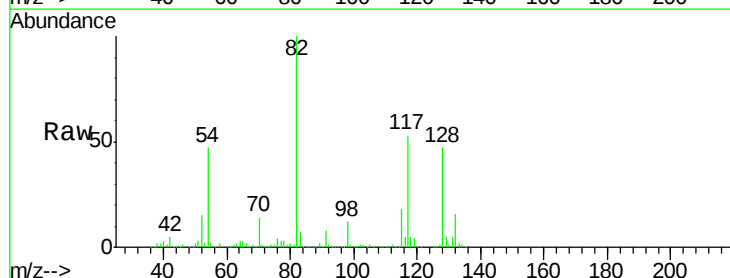
Tgt Ion: 117 Resp: 962656

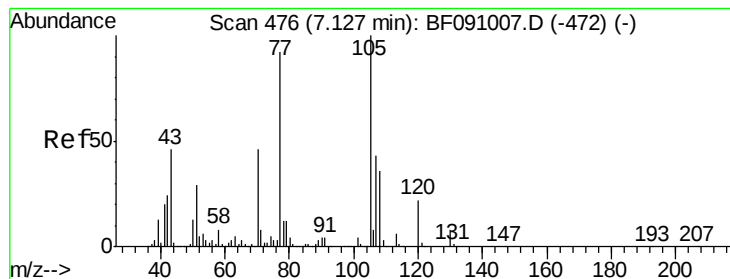
Ion Ratio Lower Upper

117 100

119 6.8 76.6 115.0#

201 0.0 77.1 115.7#





#19

n-Nitroso-di-n-propylamine

Concen: 16.51 ng

RT: 7.20 min Scan# 482

Delta R.T. 0.10 min

Lab File: BF091216.D

Acq: 17 Nov 2016 17:03

Instrument :

BNA_F

ClientSampleId :

MW-1

Tgt Ion: 70 Resp: 168969

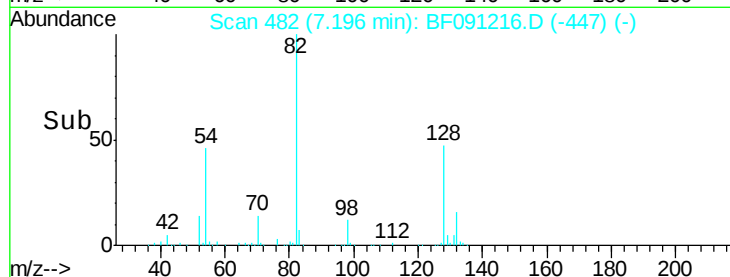
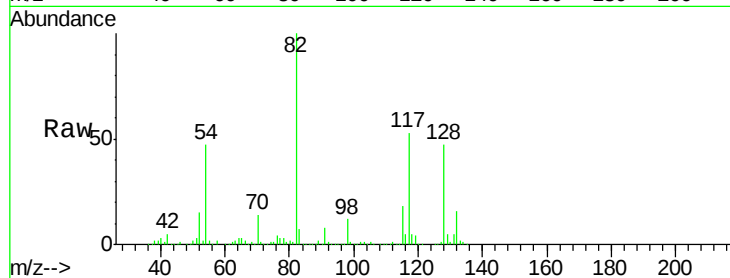
Ion Ratio Lower Upper

70 100

42 39.5 41.7 62.5#

101 1.7 6.7 10.1#

130 4.9 13.8 20.8#



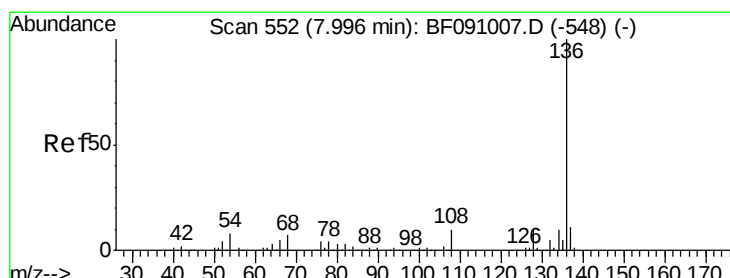
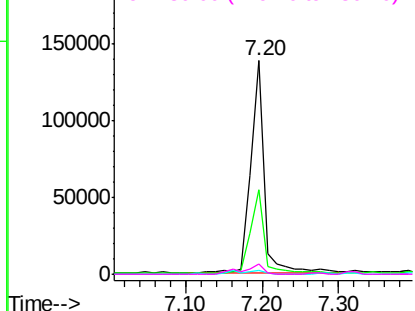
Abundance

Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 544

Delta R.T. -0.05 min

Lab File: BF091216.D

Acq: 17 Nov 2016 17:03

Tgt Ion: 136 Resp: 759756

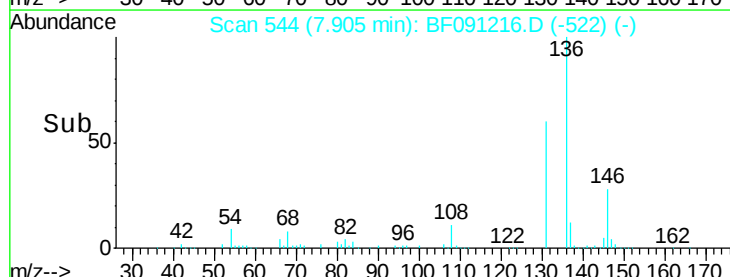
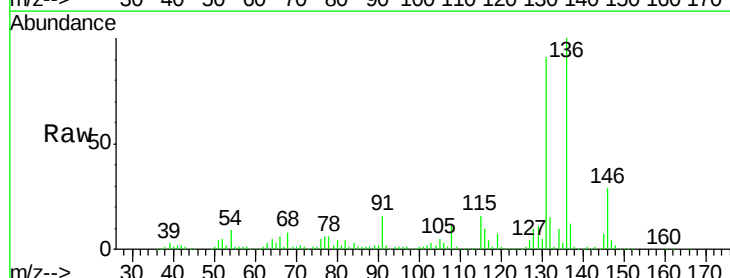
Ion Ratio Lower Upper

136 100

137 11.6 8.9 13.3

54 9.1 6.2 9.2

68 7.9 5.5 8.3



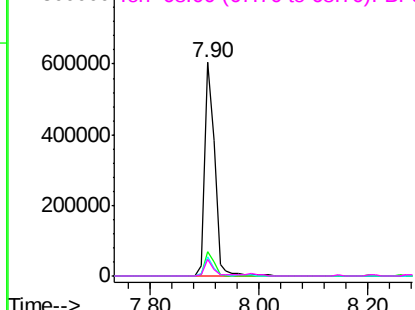
Abundance

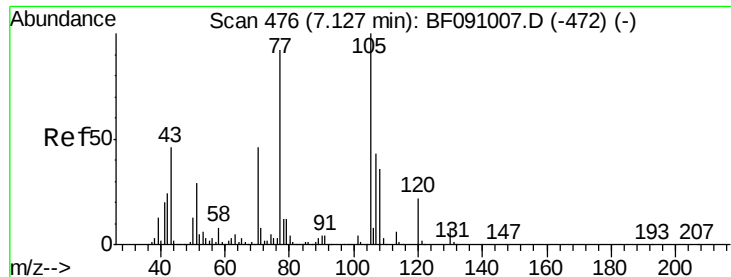
Ion 136.00 (135.70 to 136.70): E

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

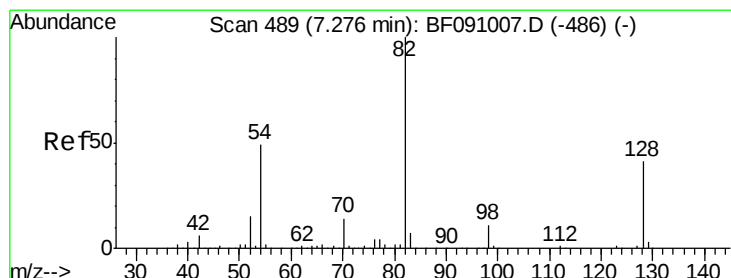
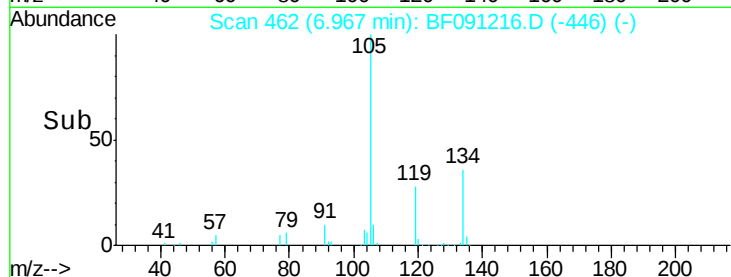
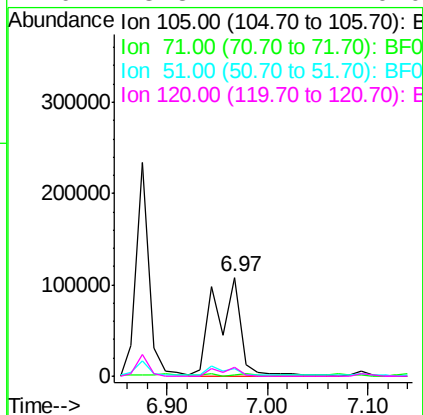
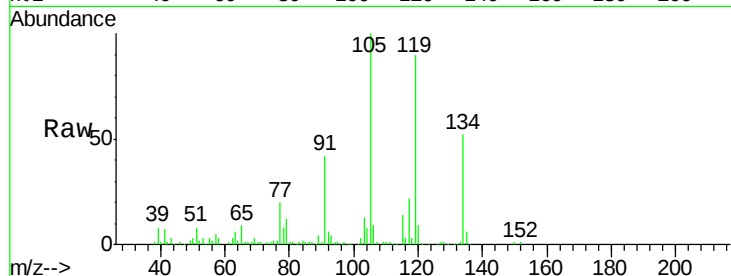




#22
Acetophenone
Concen: 11.03 ng
RT: 6.97 min Scan# 462
Delta R.T. -0.11 min
Lab File: BF091216.D
Acq: 17 Nov 2016 17:03

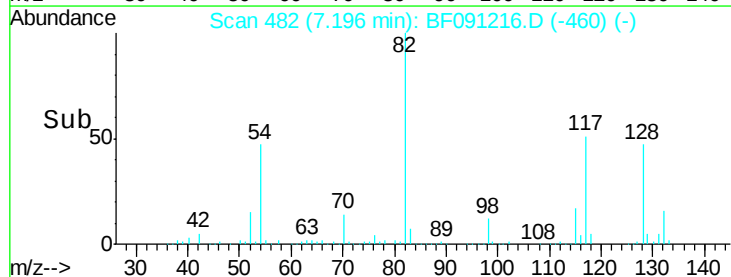
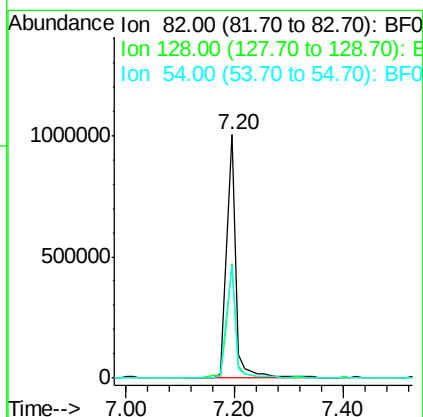
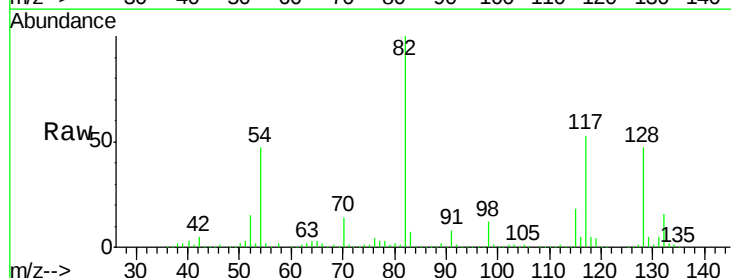
Instrument :
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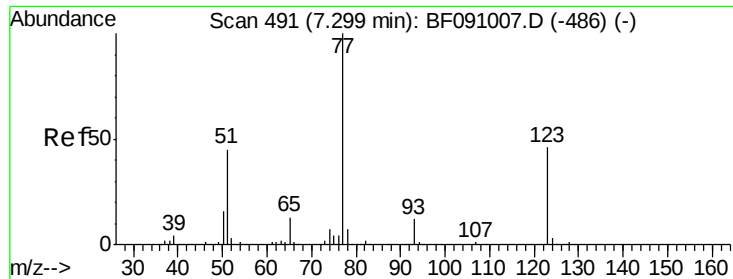
Tgt Ion: 105 Resp: 192943
Ion Ratio Lower Upper
105 100
71 1.2 6.2 9.2#
51 8.3 23.3 34.9#
120 8.8 17.4 26.0#



#23
Nitrobenzene-d5
Concen: 85.78 ng
RT: 7.20 min Scan# 482
Delta R.T. -0.05 min
Lab File: BF091216.D
Acq: 17 Nov 2016 17:03

Tgt Ion: 82 Resp: 1194678
Ion Ratio Lower Upper
82 100
128 47.1 32.4 48.6
54 46.6 39.2 58.8

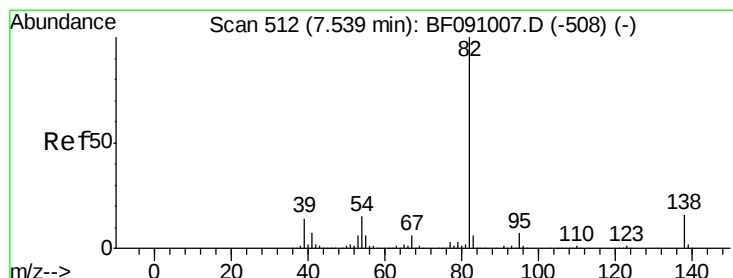
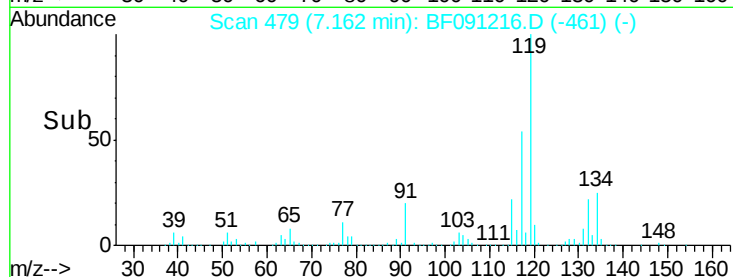
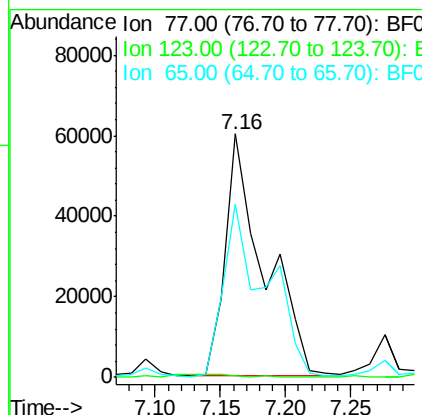
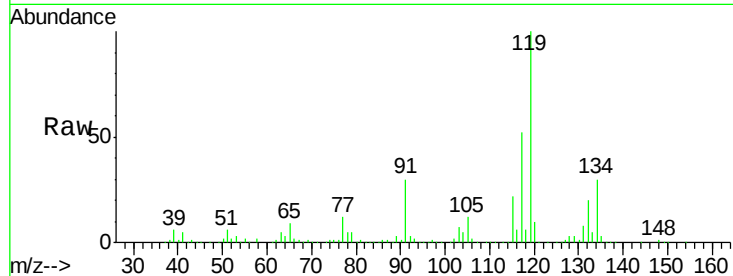




#24
 Nitrobenzene
 Concen: 8.13 ng
 RT: 7.16 min Scan# 479
 Delta R.T. -0.09 min
 Lab File: BF091216.D
 Acq: 17 Nov 2016 17:03

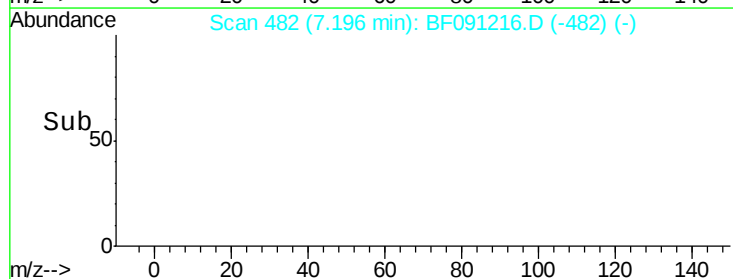
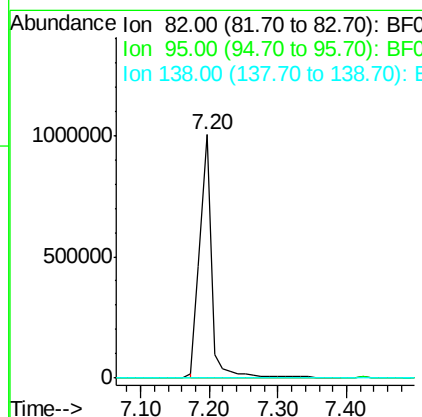
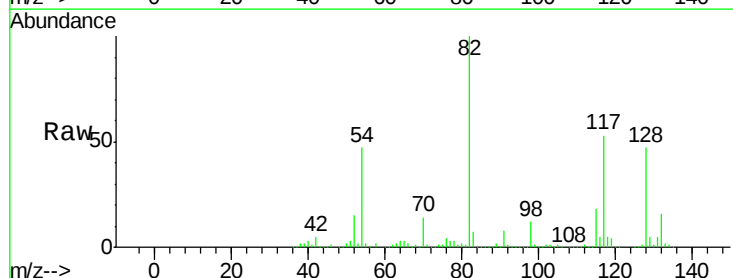
Instrument :
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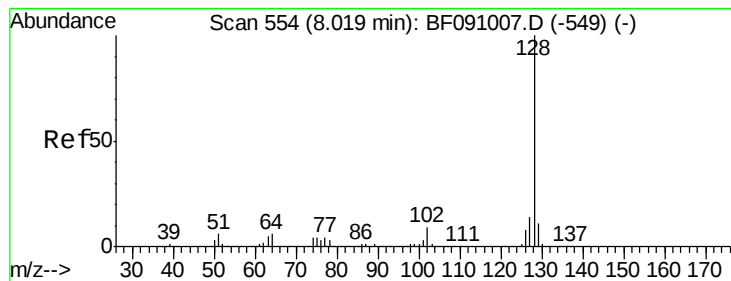
Tgt Ion: 77 Resp: 125008
 Ion Ratio Lower Upper
 77 100
 123 0.6 36.5 54.7#
 65 70.9 10.7 16.1#



#25
 Isophorone
 Concen: 42.64 ng
 RT: 7.20 min Scan# 482
 Delta R.T. -0.30 min
 Lab File: BF091216.D
 Acq: 17 Nov 2016 17:03

Tgt Ion: 82 Resp: 1144237
 Ion Ratio Lower Upper
 82 100
 95 0.1 5.4 8.0#
 138 0.0 13.0 19.4#





#31

Naphthalene

Concen: 3.70 ng

RT: 7.90 min Scan# 544

Delta R.T. -0.07 min

Lab File: BF091216.D

Acq: 17 Nov 2016 17:03

Instrument :

BNA_F

ClientSampleId :

MW-1

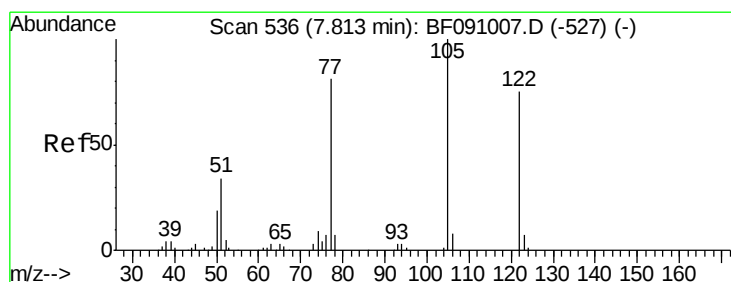
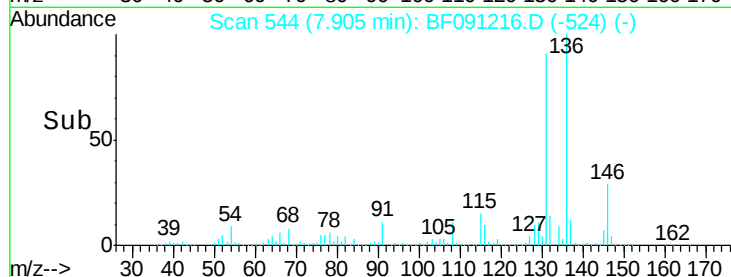
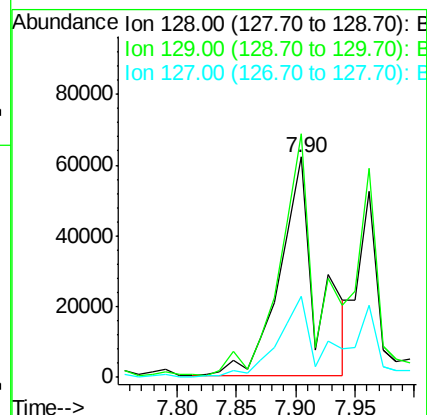
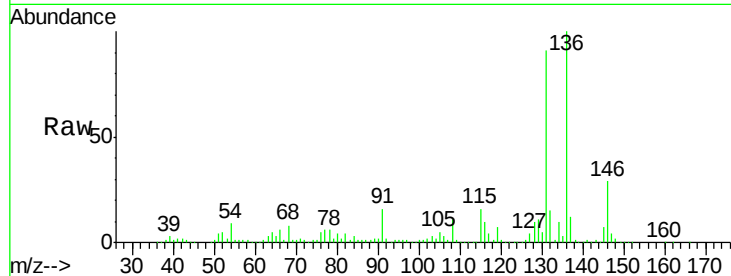
Tgt Ion:128 Resp: 134564

Ion Ratio Lower Upper

128 100

129 110.5 9.0 13.6#

127 37.0 10.9 16.3#



#32

Benzoic acid

Concen: 5.23 ng

RT: 7.74 min Scan# 530

Delta R.T. -0.03 min

Lab File: BF091216.D

Acq: 17 Nov 2016 17:03

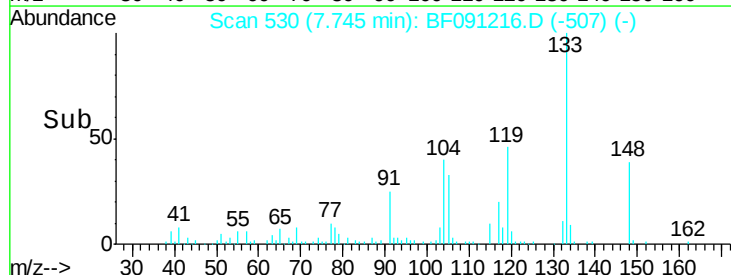
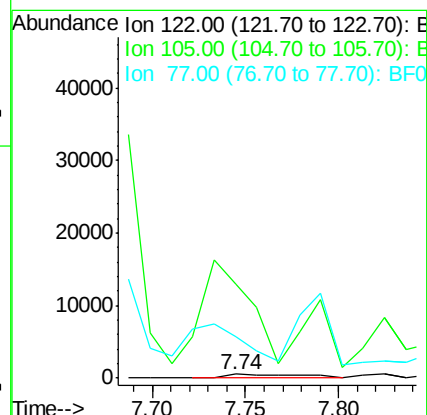
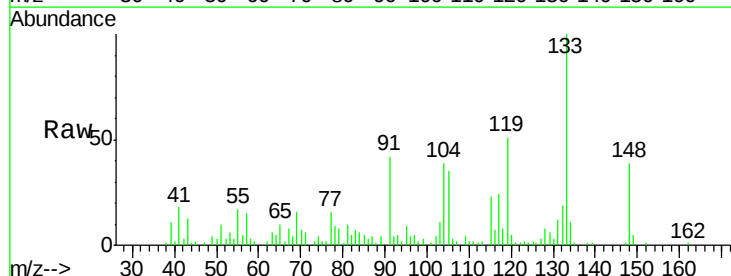
Tgt Ion:122 Resp: 1504

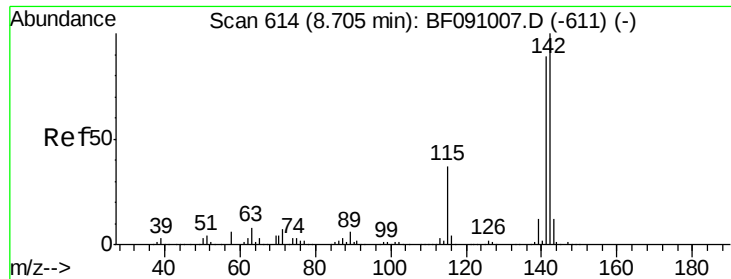
Ion Ratio Lower Upper

122 100

105 2542.0 105.9 145.9#

77 1125.5 84.0 124.0#

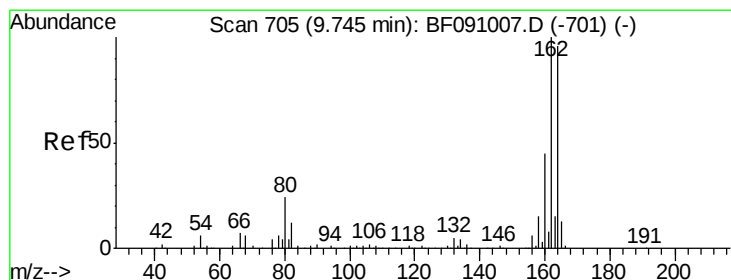
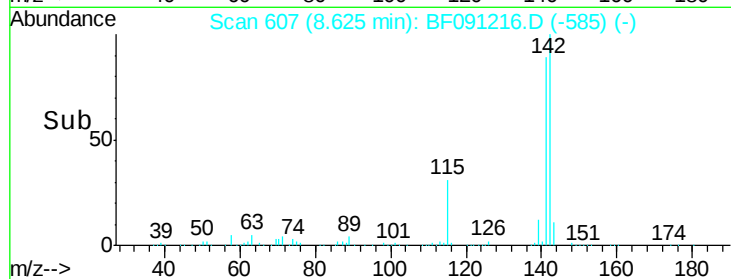
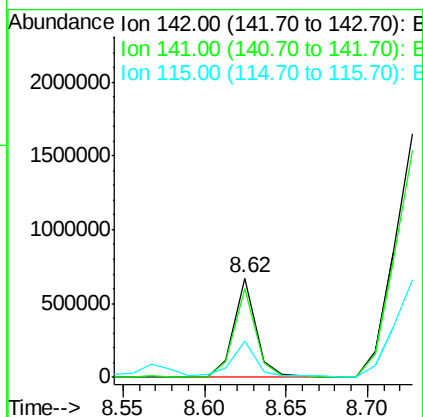
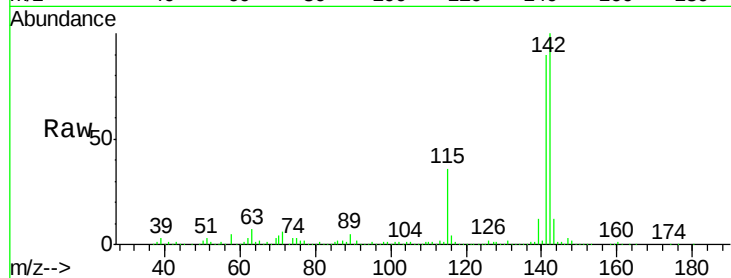




#37
 2-Methylnaphthalene
 Concen: 27.07 ng
 RT: 8.62 min Scan# 607
 Delta R.T. -0.05 min
 Lab File: BF091216.D
 Acq: 17 Nov 2016 17:03

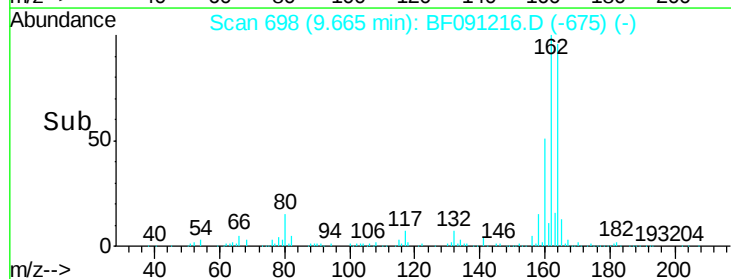
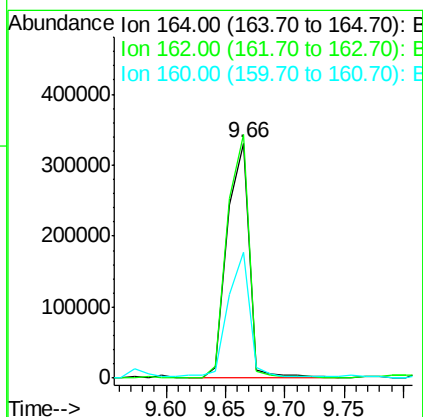
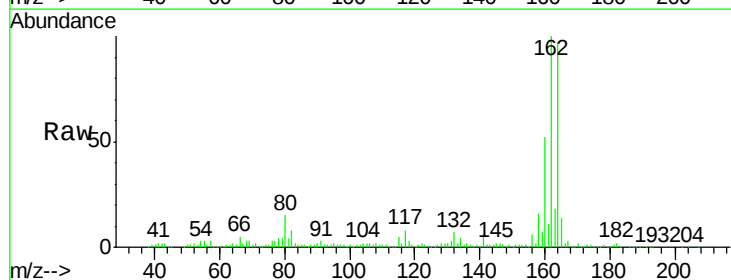
Instrument :
 BNA_F
 ClientSampled :
 MW-1

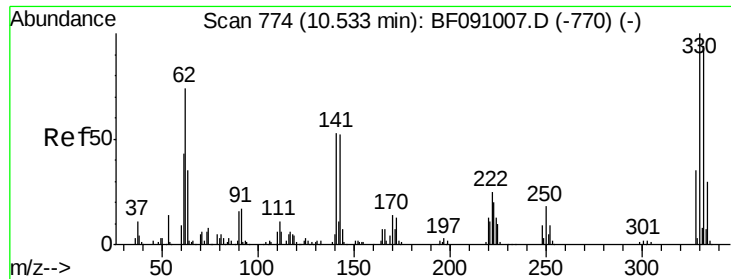
Tgt Ion:142 Resp: 632320
 Ion Ratio Lower Upper
 142 100
 141 89.6 71.3 106.9
 115 36.3 29.9 44.9



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.66 min Scan# 698
 Delta R.T. -0.03 min
 Lab File: BF091216.D
 Acq: 17 Nov 2016 17:03

Tgt Ion:164 Resp: 421203
 Ion Ratio Lower Upper
 164 100
 162 103.6 83.6 125.4
 160 53.8 37.9 56.9

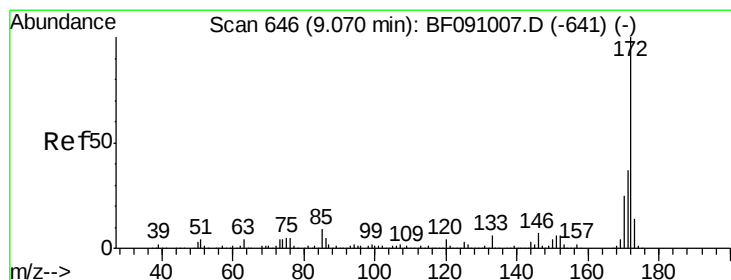
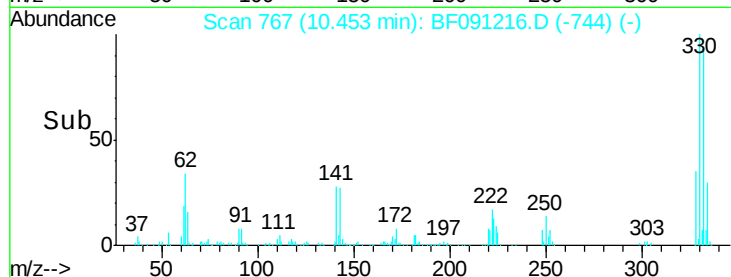
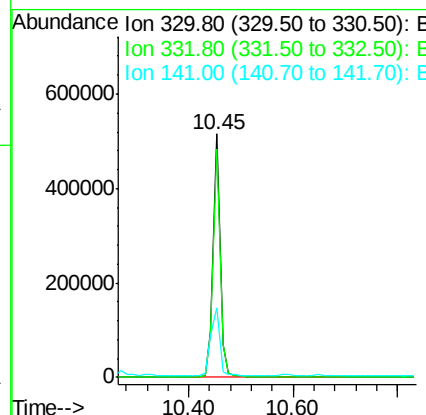
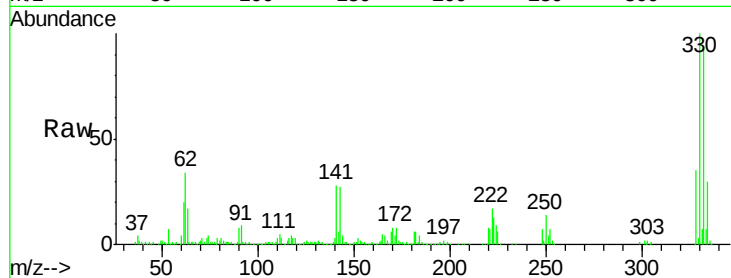




#41
 2,4,6-Tribromophenol
 Concen: 127.97 ng
 RT: 10.45 min Scan# 767
 Delta R.T. -0.03 min
 Lab File: BF091216.D
 Acq: 17 Nov 2016 17:03

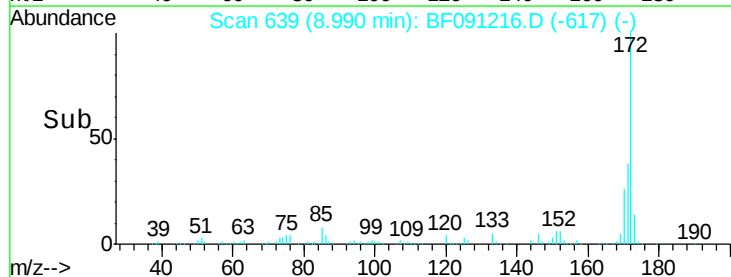
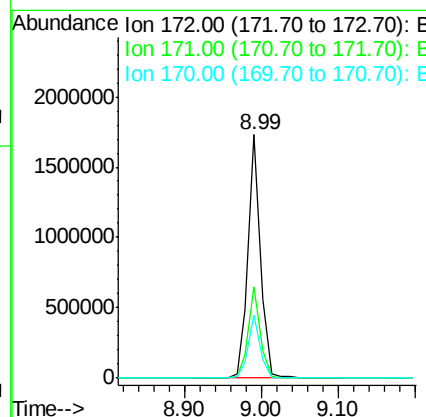
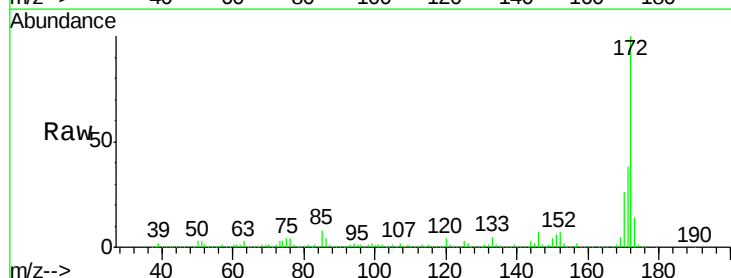
Instrument :
 BNA_F
 ClientSampleId :
 MW-1

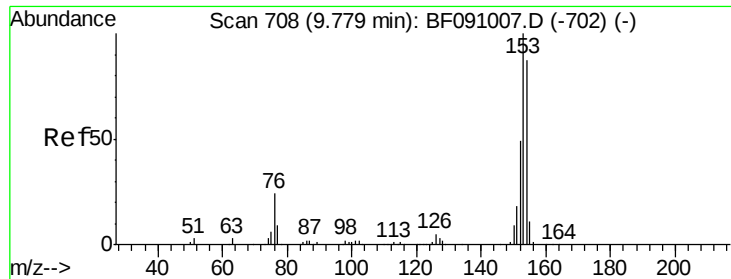
Tgt Ion:330 Resp: 487315
 Ion Ratio Lower Upper
 330 100
 332 94.9 75.9 113.9
 141 36.4 36.1 54.1



#44
 2-Fluorobiphenyl
 Concen: 80.76 ng
 RT: 8.99 min Scan# 639
 Delta R.T. -0.05 min
 Lab File: BF091216.D
 Acq: 17 Nov 2016 17:03

Tgt Ion:172 Resp: 1975904
 Ion Ratio Lower Upper
 172 100
 171 37.5 29.8 44.6
 170 25.7 20.3 30.5





#51

Acenaphthene

Concen: 6.77 ng

RT: 9.69 min Scan# 700

Delta R.T. -0.05 min

Lab File: BF091216.D

Acq: 17 Nov 2016 17:03

Instrument :

BNA_F

ClientSampleId :

MW-1

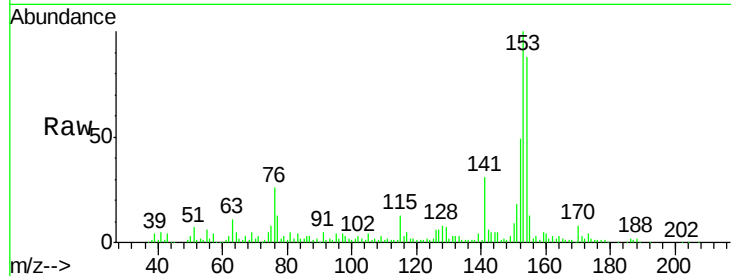
Tgt Ion:154 Resp: 154778

Ion Ratio Lower Upper

154 100

153 113.1 91.6 137.4

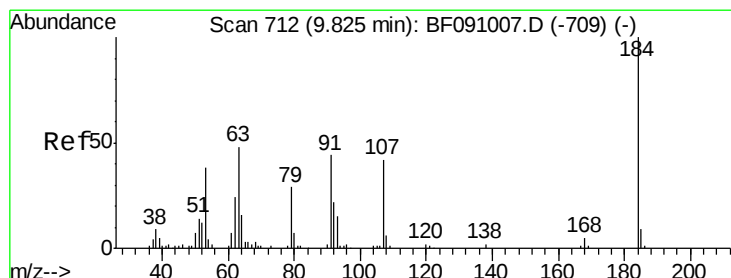
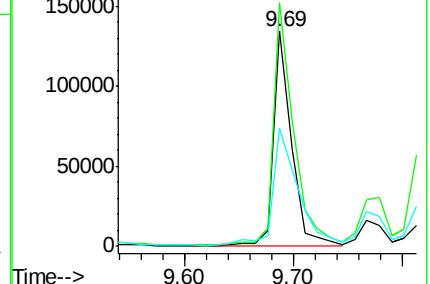
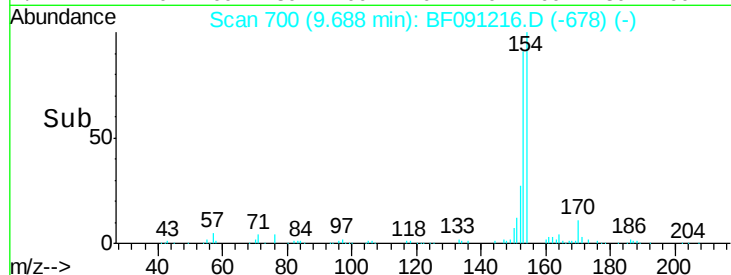
152 55.2 44.6 67.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 6.52 ng

RT: 9.90 min Scan# 719

Delta R.T. 0.13 min

Lab File: BF091216.D

Acq: 17 Nov 2016 17:03

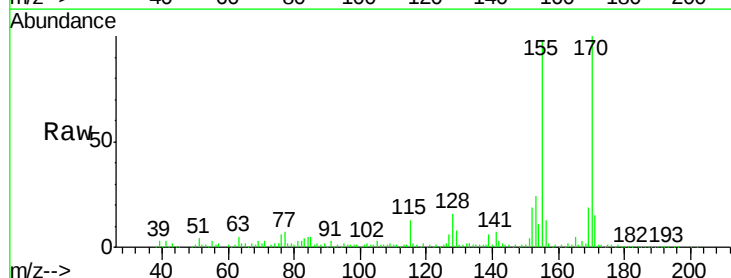
Tgt Ion:184 Resp: 898

Ion Ratio Lower Upper

184 100

63 2581.4 45.5 68.3#

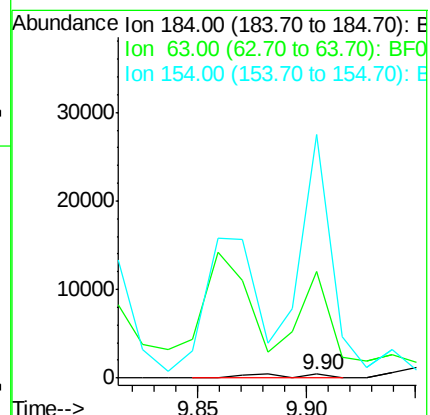
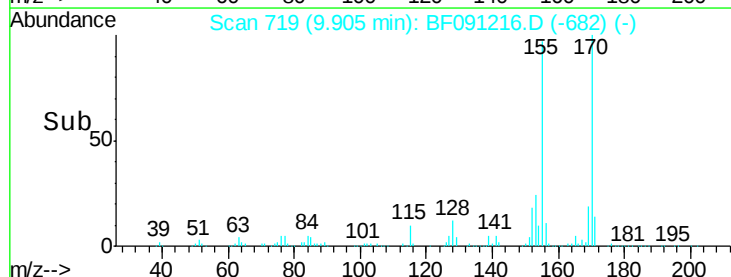
154 5886.1 51.0 76.4#

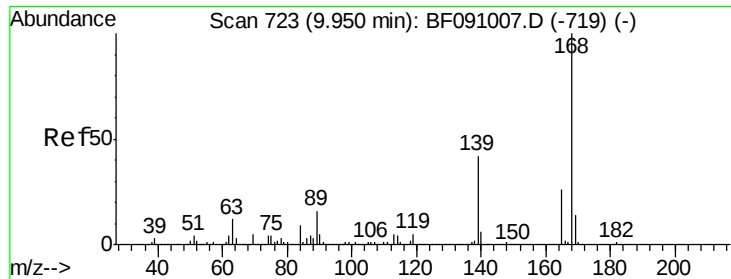


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 5.44 ng

RT: 9.87 min Scan# 716

Delta R.T. -0.03 min

Lab File: BF091216.D

Acq: 17 Nov 2016 17:03

Instrument :

BNA_F

ClientSampleId :

MW-1

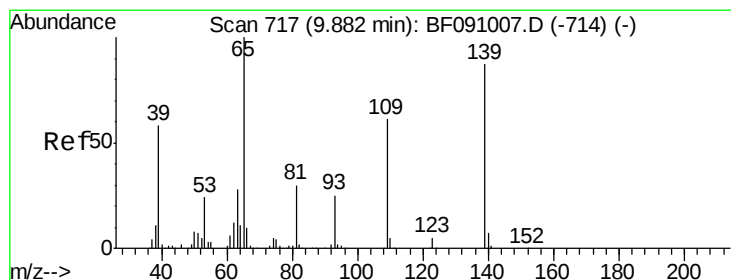
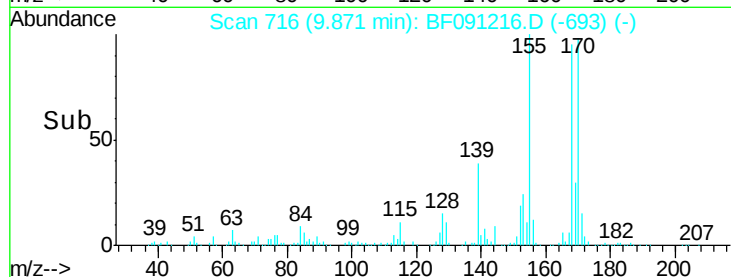
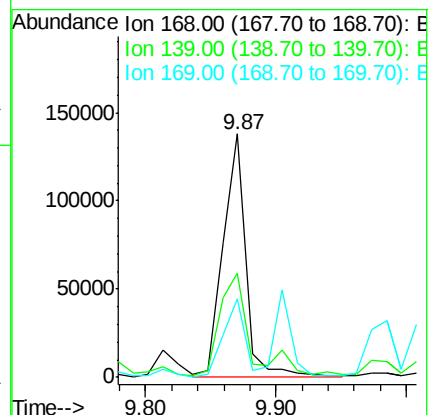
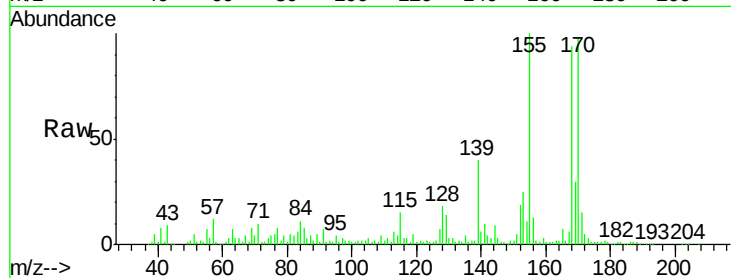
Tgt Ion:168 Resp: 167422

Ion Ratio Lower Upper

168 100

139 42.5 34.8 52.2

169 32.1 11.4 17.2#



#55

4-Nitrophenol

Concen: 9.04 ng

RT: 9.77 min Scan# 707

Delta R.T. -0.08 min

Lab File: BF091216.D

Acq: 17 Nov 2016 17:03

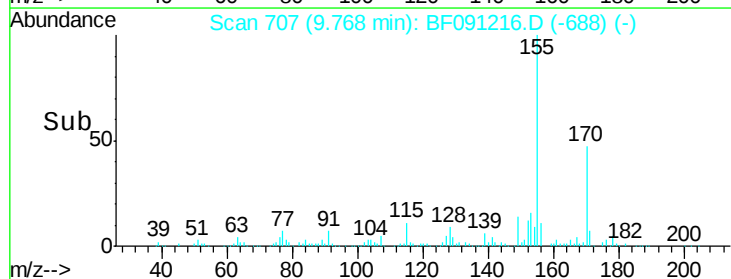
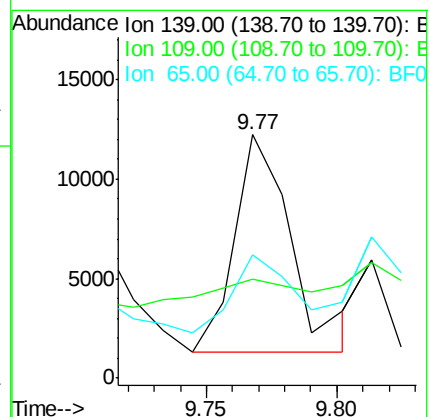
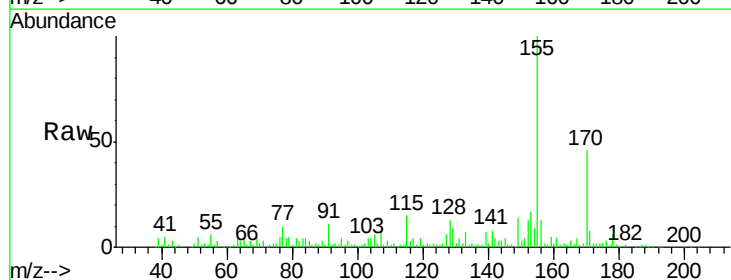
Tgt Ion:139 Resp: 16635

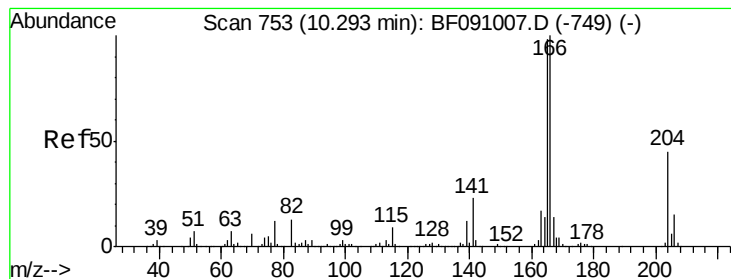
Ion Ratio Lower Upper

139 100

109 40.5 50.5 90.5#

65 50.5 97.1 137.1#





#57

Fluorene

Concen: 10.48 ng

RT: 10.20 min Scan# 745

Delta R.T. -0.05 min

Lab File: BF091216.D

Acq: 17 Nov 2016 17:03

Instrument :

BNA_F

ClientSampleId :

MW-1

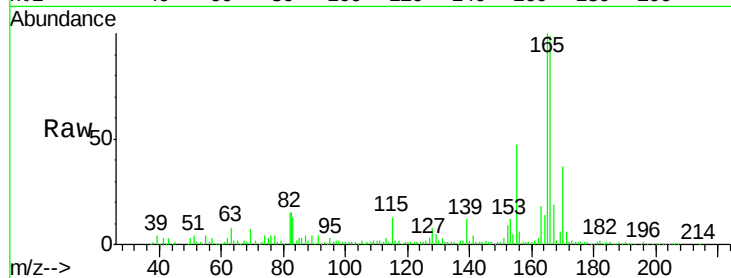
Tgt Ion:166 Resp: 263501

Ion Ratio Lower Upper

166 100

165 101.3 78.6 118.0

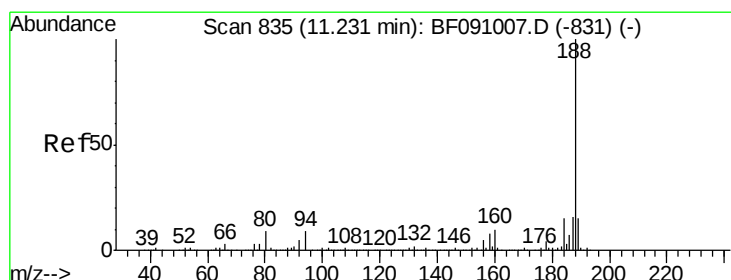
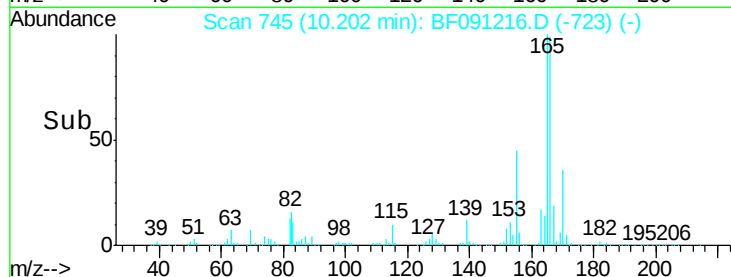
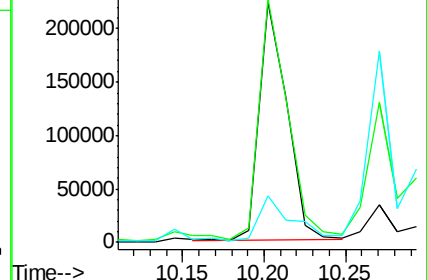
167 19.2 11.1 16.7#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.14 min Scan# 827

Delta R.T. -0.03 min

Lab File: BF091216.D

Acq: 17 Nov 2016 17:03

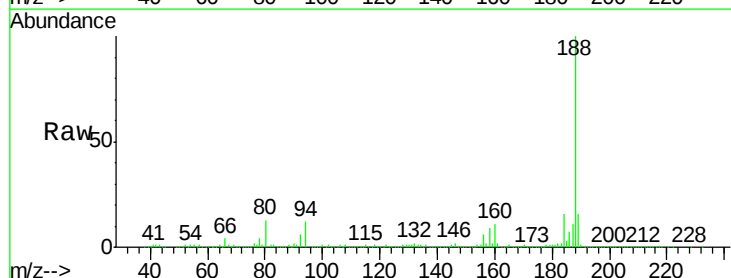
Tgt Ion:188 Resp: 676289

Ion Ratio Lower Upper

188 100

94 11.6 7.0 10.4#

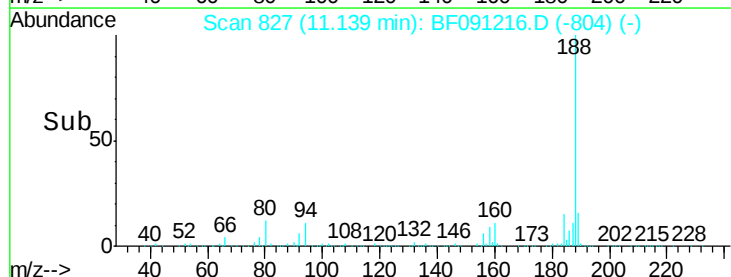
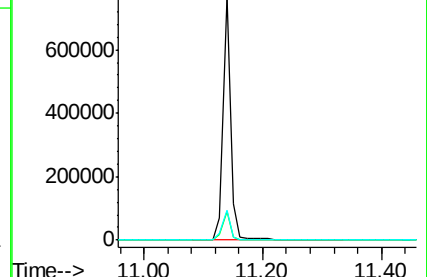
80 12.5 7.5 11.3#

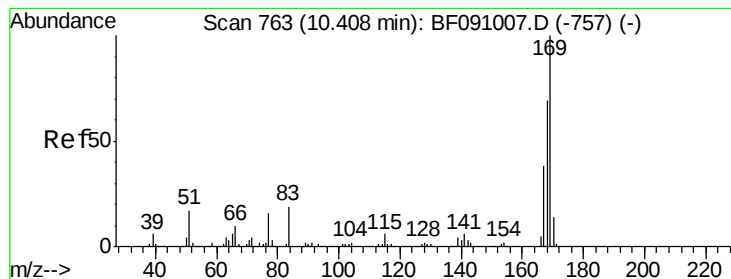


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#65

n-Nitrosodiphenylamine

Concen: 2.48 ng

RT: 10.32 min Scan# 755

Delta R.T. -0.05 min

Lab File: BF091216.D

Acq: 17 Nov 2016 17:03

Instrument :

BNA_F

ClientSampleId :

MW-1

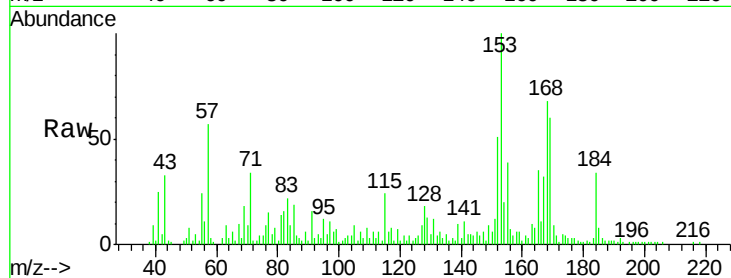
Tgt Ion:169 Resp: 53225

Ion Ratio Lower Upper

169 100

168 113.4 55.3 82.9#

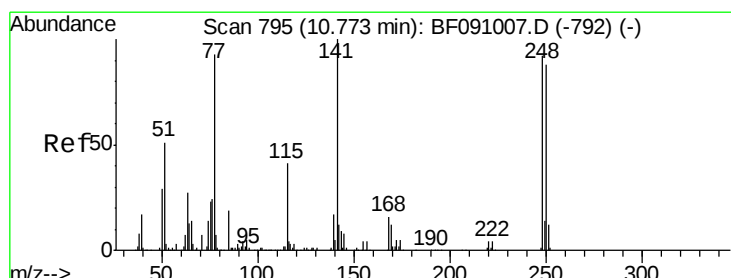
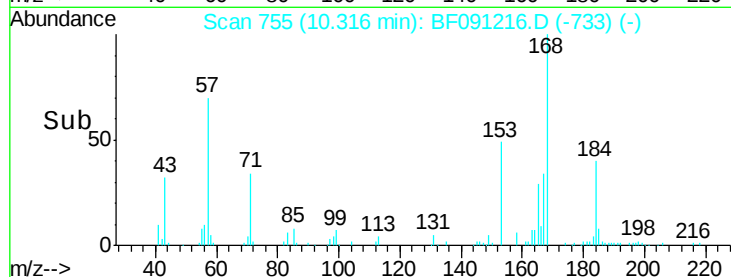
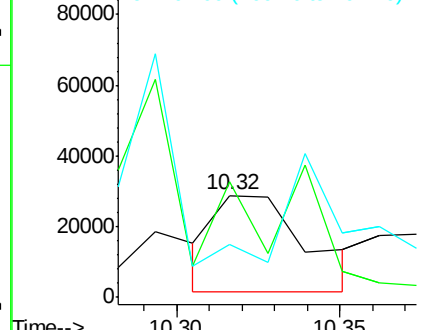
167 52.4 30.3 45.5#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.74 ng

RT: 10.45 min Scan# 767

Delta R.T. -0.27 min

Lab File: BF091216.D

Acq: 17 Nov 2016 17:03

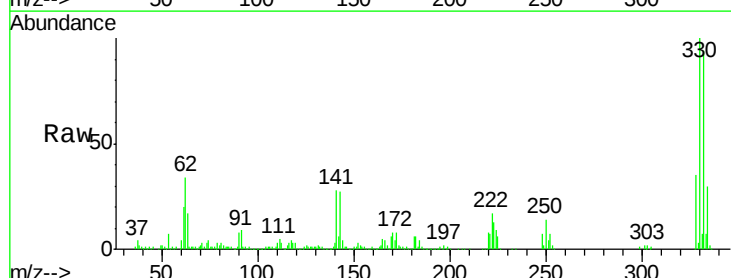
Tgt Ion:248 Resp: 33354

Ion Ratio Lower Upper

248 100

250 201.5 76.3 114.5#

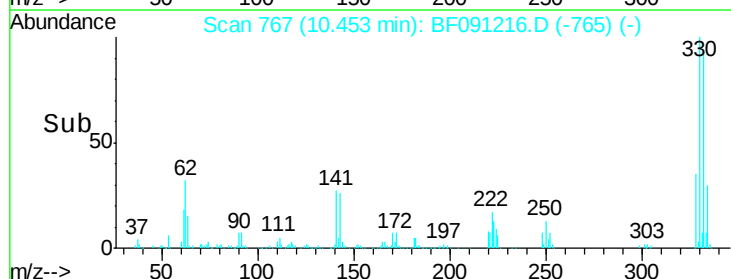
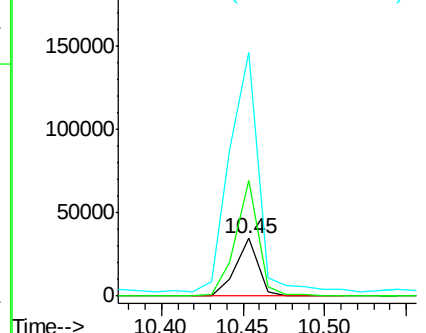
141 423.2 86.8 130.2#

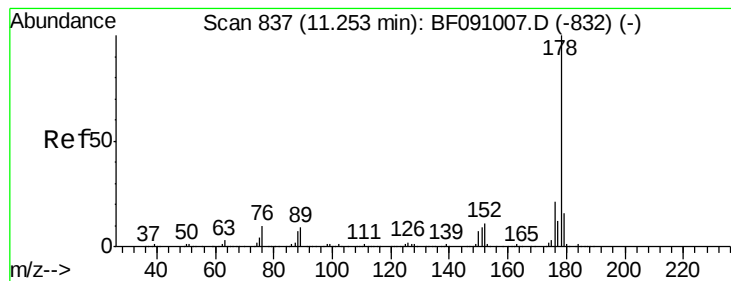


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 8.55 ng

RT: 11.16 min Scan# 829

Delta R.T. -0.05 min

Lab File: BF091216.D

Acq: 17 Nov 2016 17:03

Instrument :

BNA_F

ClientSampleId :

MW-1

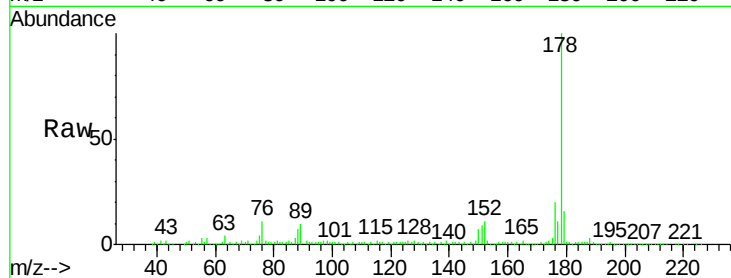
Tgt Ion:178 Resp: 307466

Ion Ratio Lower Upper

178 100

176 20.0 16.6 25.0

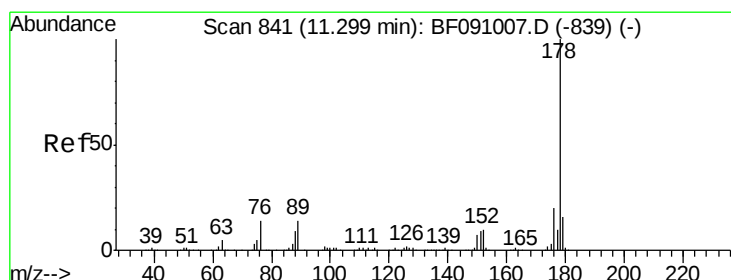
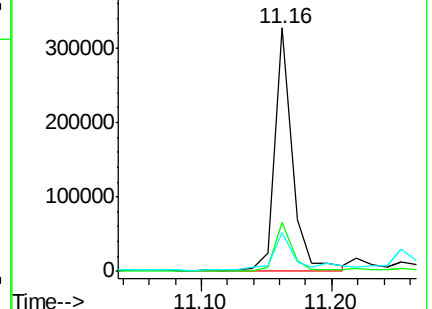
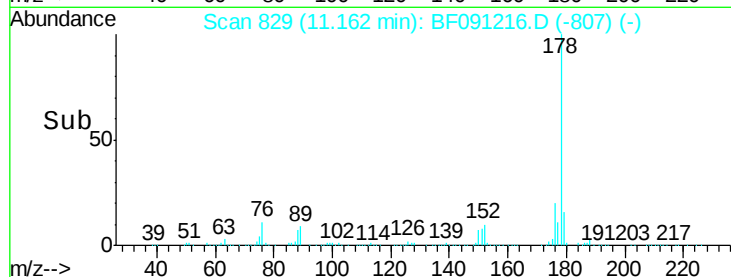
179 16.1 12.9 19.3



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 8.04 ng

RT: 11.16 min Scan# 829

Delta R.T. -0.09 min

Lab File: BF091216.D

Acq: 17 Nov 2016 17:03

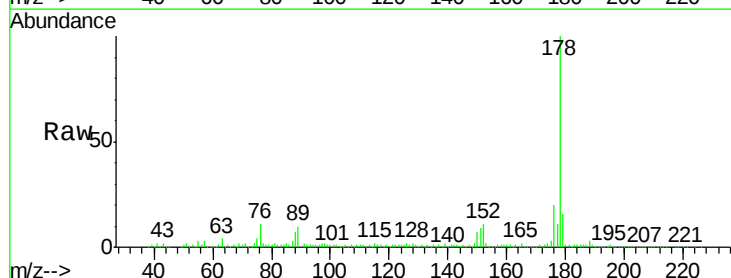
Tgt Ion:178 Resp: 307466

Ion Ratio Lower Upper

178 100

176 20.0 16.0 24.0

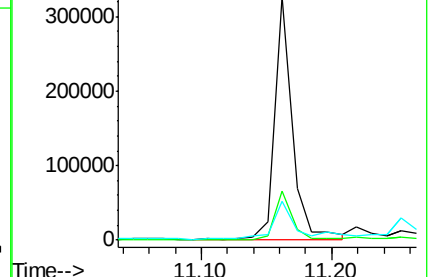
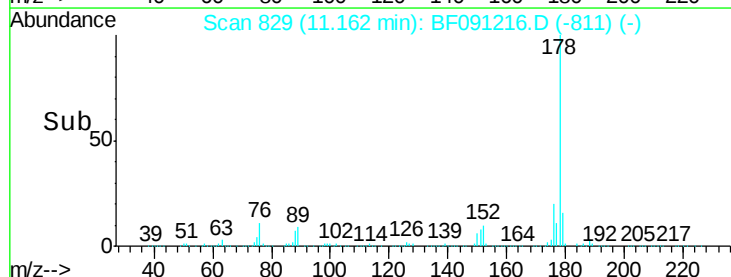
179 16.1 13.0 19.6

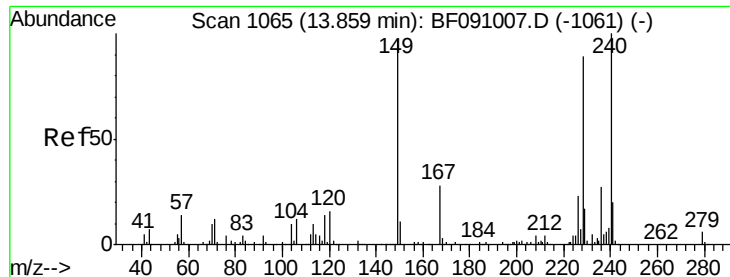


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.77 min Scan# 1057

Delta R.T. -0.05 min

Lab File: BF091216.D

Acq: 17 Nov 2016 17:03

Instrument :

BNA_F

ClientSampleId :

MW-1

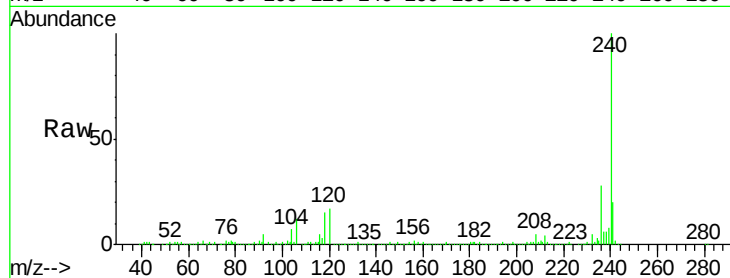
Tgt Ion:240 Resp: 475141

Ion Ratio Lower Upper

240 100

120 17.3 12.9 19.3

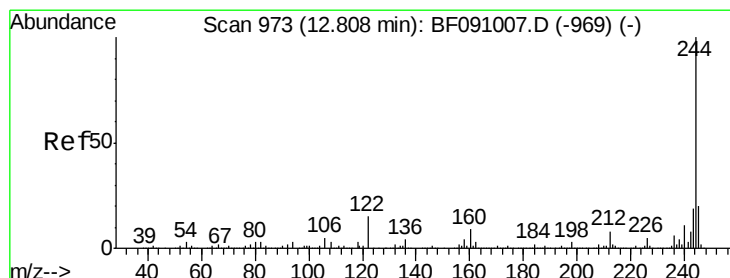
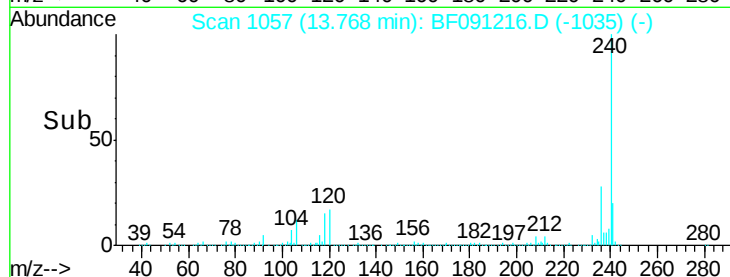
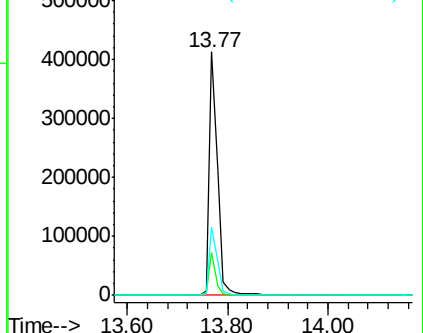
236 28.3 21.9 32.9



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 95.05 ng

RT: 12.73 min Scan# 966

Delta R.T. -0.03 min

Lab File: BF091216.D

Acq: 17 Nov 2016 17:03

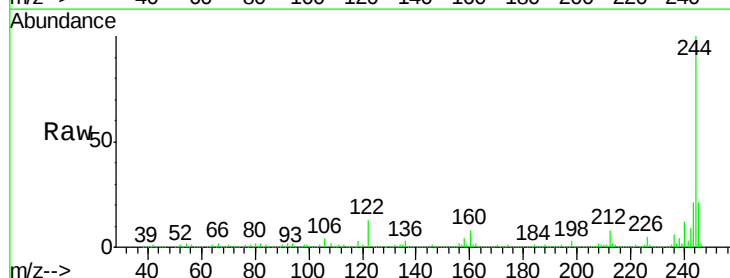
Tgt Ion:244 Resp: 1809776

Ion Ratio Lower Upper

244 100

212 7.9 6.4 9.6

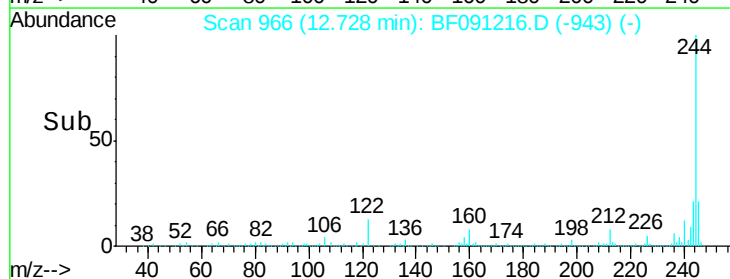
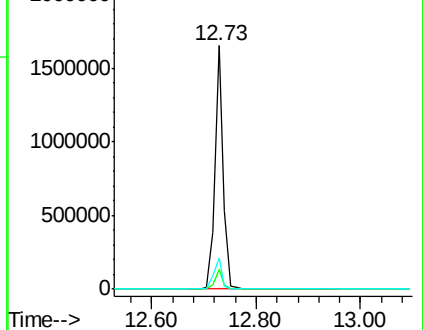
122 12.6 12.3 18.5

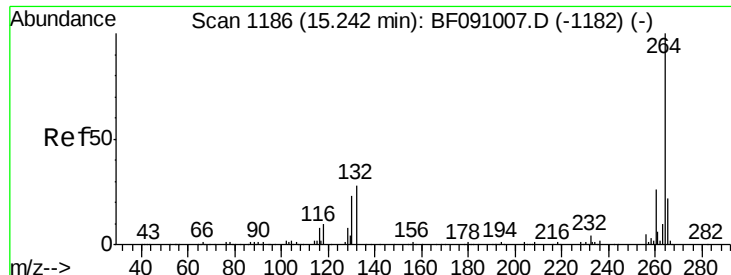


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

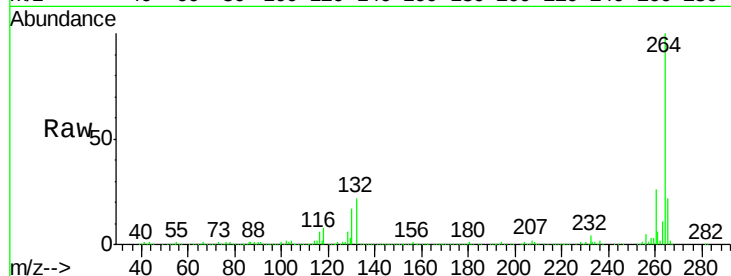




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.14 min Scan# 1177
Delta R.T. -0.05 min
Lab File: BF091216.D
Acq: 17 Nov 2016 17:03

Instrument :
BNA_F
ClientSampleId :
MW-1

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.0	20.6	30.8
265	21.8	17.8	26.8



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

