

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110816\
 Data File : BF091077.D
 Acq On : 8 Nov 2016 11:55
 Operator : UM/SJ
 Sample : H5536-03
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RMAB-MW10-GW

Quant Time: Nov 08 12:27:14 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 11:03:12 2016
 Response via : Initial Calibration

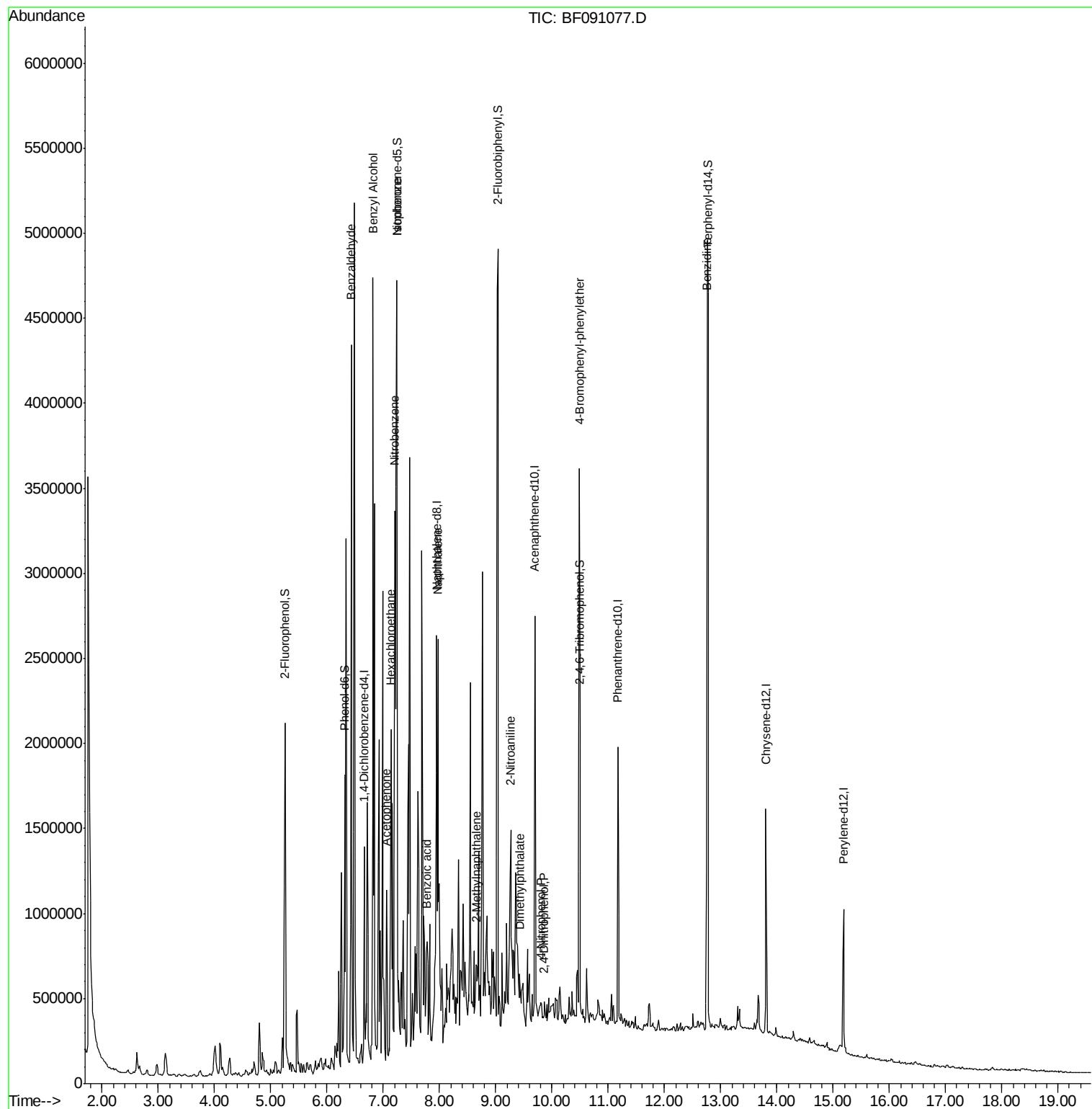
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	187833	20.00	ng	-0.05
21) Naphthalene-d8	7.95	136	771427	20.00	ng	-0.05
38) Acenaphthene-d10	9.70	164	440458	20.00	ng	-0.05
63) Phenanthrene-d10	11.17	188	629067	20.00	ng	-0.06
75) Chrysene-d12	13.80	240	516429	20.00	ng	-0.06
86) Perylene-d12	15.19	264	394443	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	768612	67.58	ng	-0.03
7) Phenol-d6	6.32	99	729286	47.24	ng	-0.03
23) Nitrobenzene-d5	7.24	82	1446608	102.30	ng	-0.03
41) 2,4,6-Tribromophenol	10.50	330	605770	152.13	ng	-0.03
44) 2-Fluorobiphenyl	9.04	172	2334265	91.24	ng	-0.03
78) Terphenyl-d14	12.77	244	2422850	117.07	ng	-0.03
Target Compounds						Qvalue
9) Benzaldehyde	6.43	77	30026	3.50	ng	84
15) Benzyl Alcohol	6.82	79	28143	2.58	ng	# 55
18) Hexachloroethane	7.14	117	104436	18.33	ng	# 1
22) Acetophenone	7.06	105	384711	21.66	ng	# 59
24) Nitrobenzene	7.21	77	173549	11.11	ng	# 19
25) Isophorone	7.24	82	1273028	46.72	ng	# 68
31) Naphthalene	7.97	128	495253	13.42	ng	# 88
32) Benzoic acid	7.77	122	6404	5.75	ng	# 1
37) 2-Methylnaphthalene	8.66	142	88573	3.73	ng	96
47) 2-Nitroaniline	9.26	65	42176	4.65	ng	# 31
49) Dimethylphthalate	9.42	163	71978	2.49	ng	# 87
53) 2,4-Dinitrophenol	9.85	184	451	6.38	ng	# 1
55) 4-Nitrophenol	9.81	139	2029	6.12	ng	# 1
66) 4-Bromophenyl-phenylether	10.49	248	36768	5.62	ng	# 1
76) Benzidine	12.76	184	31726	2.75	ng	# 89

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

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Quant Time: Nov 08 12:27:14 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
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QLast Update : Fri Nov 04 11:03:12 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 435

Delta R.T. -0.05 min

Lab File: BF091077.D

Acq: 8 Nov 2016 11:55

Instrument :

BNA_F

ClientSampleId :

RMAB-MW10-GW

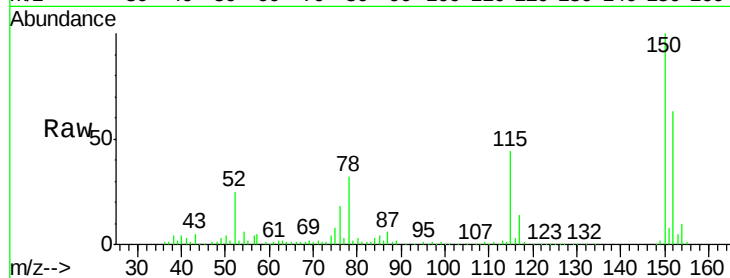
Tgt Ion:152 Resp: 187833

Ion Ratio Lower Upper

152 100

150 159.0 126.8 190.2

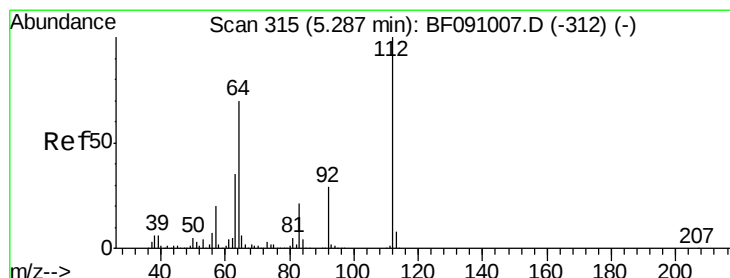
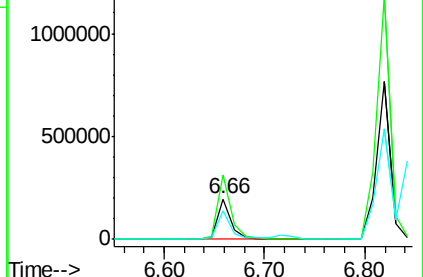
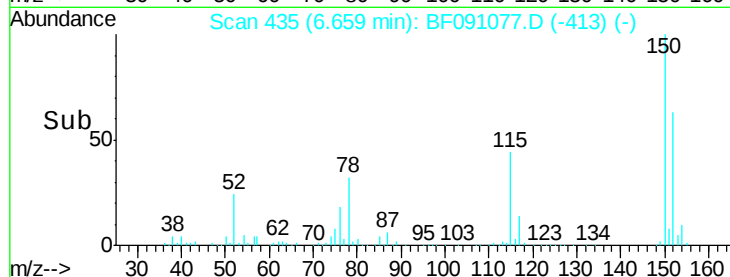
115 69.6 53.3 79.9



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: 67.58 ng

RT: 5.25 min Scan# 312

Delta R.T. -0.03 min

Lab File: BF091077.D

Acq: 8 Nov 2016 11:55

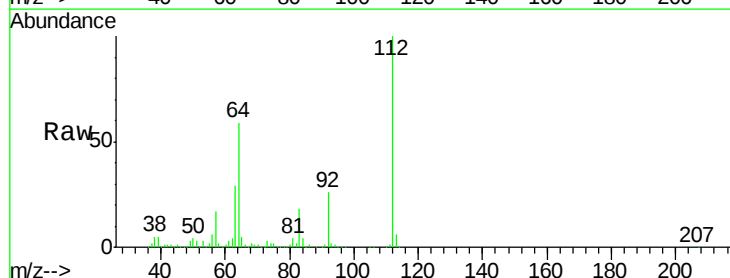
Tgt Ion:112 Resp: 768612

Ion Ratio Lower Upper

112 100

64 58.5 55.8 83.6

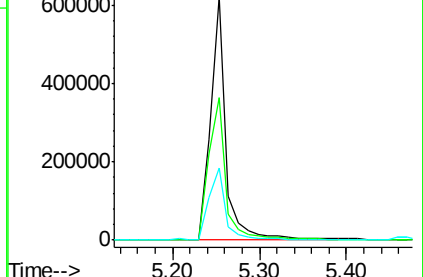
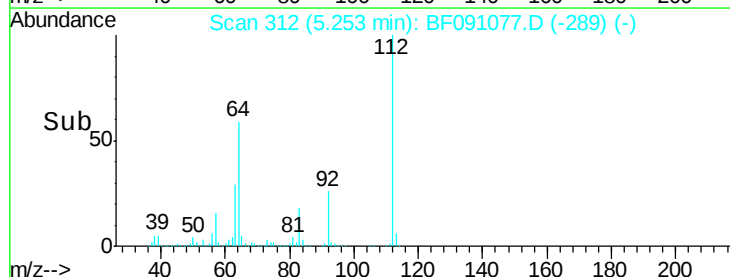
63 29.5 28.0 42.0



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: 47.24 ng

RT: 6.32 min Scan# 405

Delta R.T. -0.03 min

Lab File: BF091077.D

Acq: 8 Nov 2016 11:55

Instrument :

BNA_F

ClientSampleId :

RMAB-MW10-GW

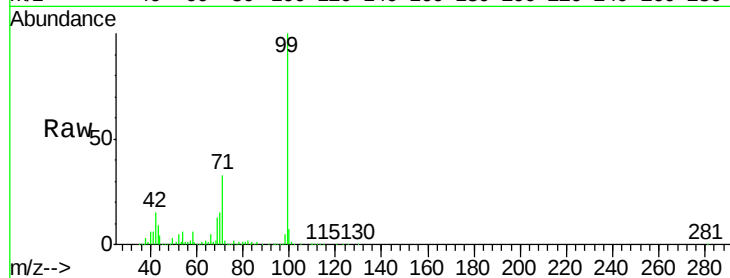
Tgt Ion: 99 Resp: 729286

Ion Ratio Lower Upper

99 100

42 15.2 13.9 20.9

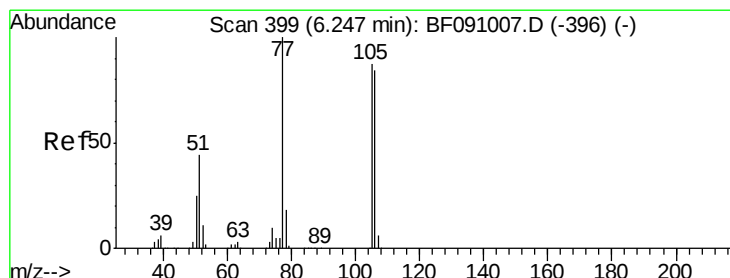
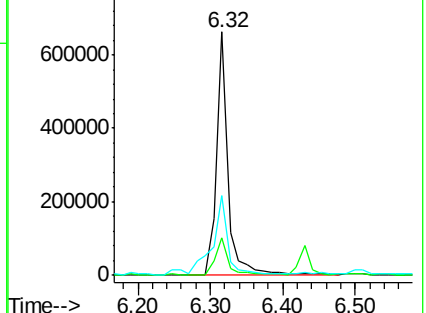
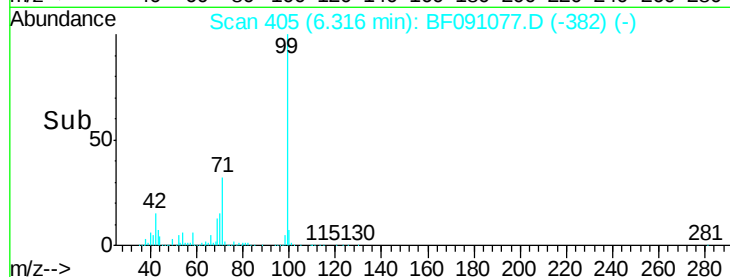
71 32.7 27.8 41.8



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: 3.50 ng

RT: 6.43 min Scan# 415

Delta R.T. 0.18 min

Lab File: BF091077.D

Acq: 8 Nov 2016 11:55

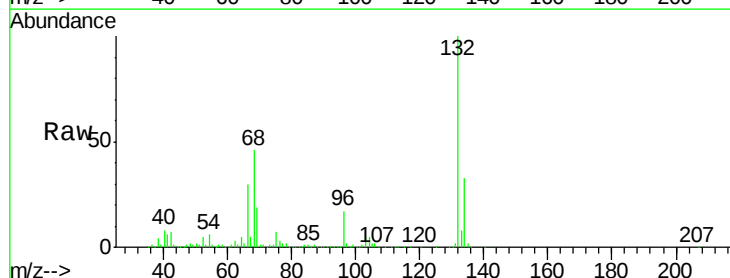
Tgt Ion: 77 Resp: 30026

Ion Ratio Lower Upper

77 100

105 76.2 66.8 106.8

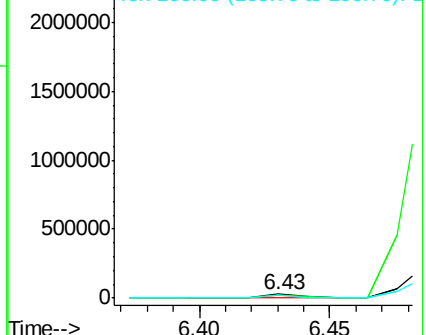
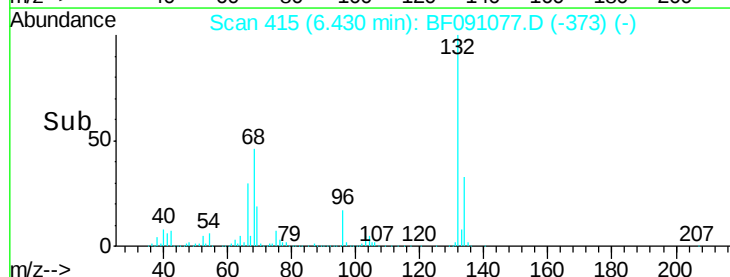
106 65.8 64.0 104.0

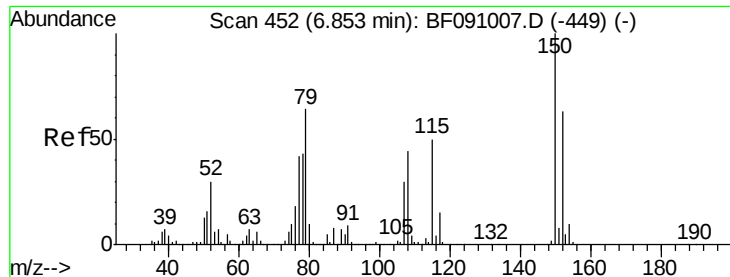


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0





#15

Benzyl Alcohol

Concen: 2.58 ng

RT: 6.82 min Scan# 449

Delta R.T. -0.03 min

Lab File: BF091077.D

Acq: 8 Nov 2016 11:55

Instrument :

BNA_F

ClientSampleId :

RMAB-MW10-GW

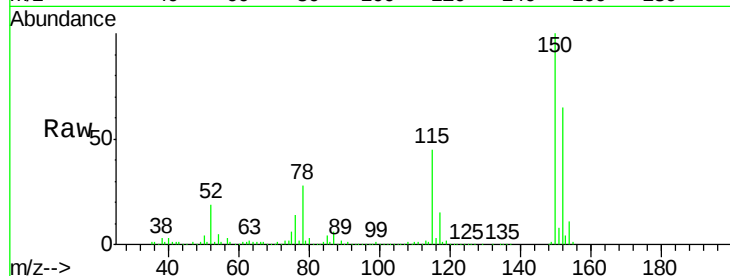
Tgt Ion: 79 Resp: 28143

Ion Ratio Lower Upper

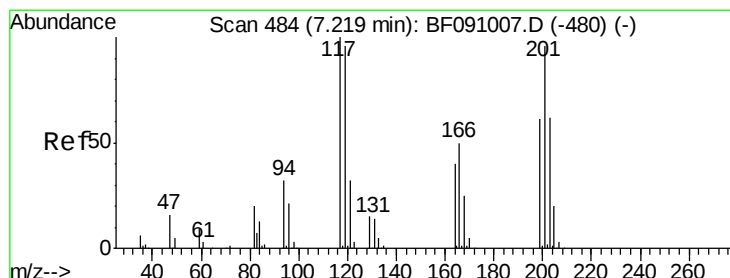
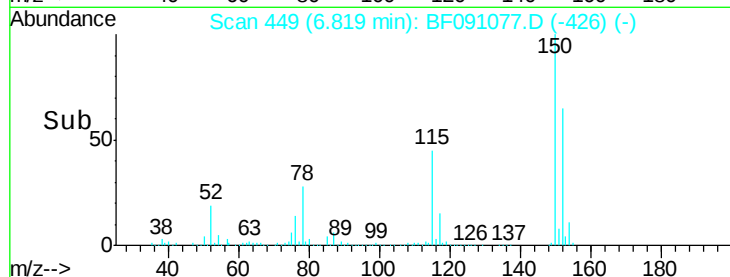
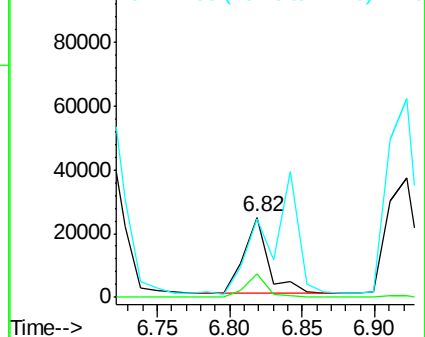
79 100

108 29.3 55.7 83.5#

77 98.6 52.6 79.0#



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: 18.33 ng

RT: 7.14 min Scan# 477

Delta R.T. -0.08 min

Lab File: BF091077.D

Acq: 8 Nov 2016 11:55

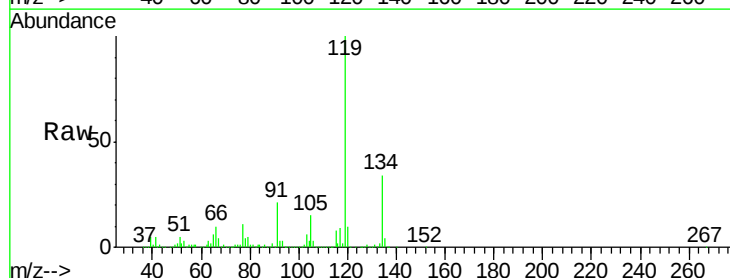
Tgt Ion: 117 Resp: 104436

Ion Ratio Lower Upper

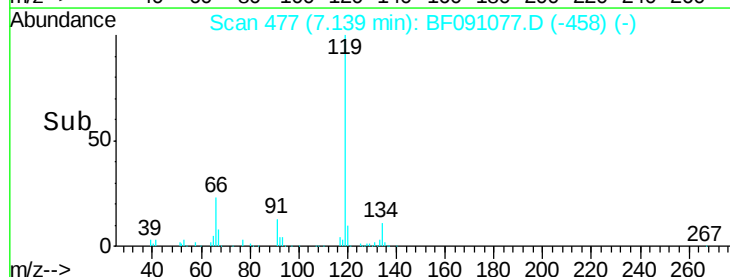
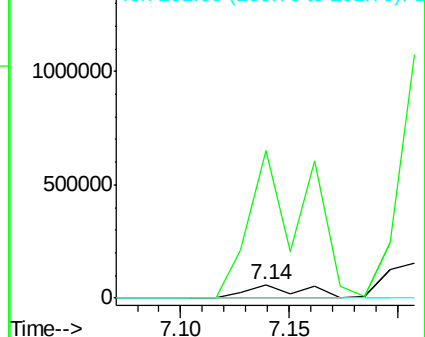
117 100

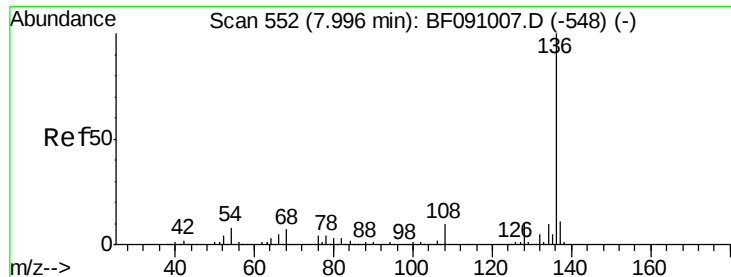
119 1091.6 76.6 115.0#

201 0.0 77.1 115.7#



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: 7.95 min Scan# 548

Delta R.T. -0.05 min

Lab File: BF091077.D

Acq: 8 Nov 2016 11:55

Instrument :

BNA_F

ClientSampleId :

RMAB-MW10-GW

Tgt Ion:136 Resp: 771427

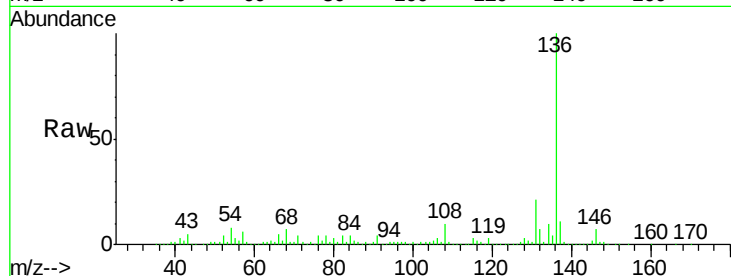
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 7.9 6.2 9.2

68 7.1 5.5 8.3

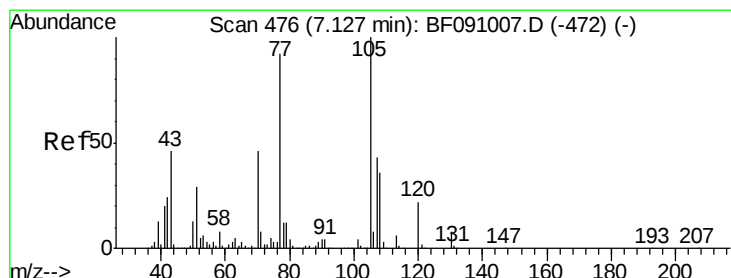
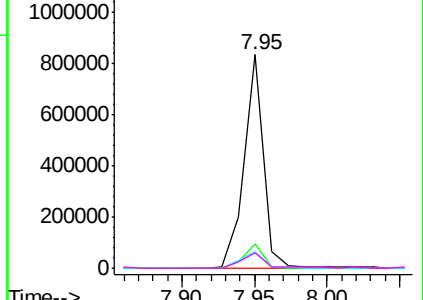
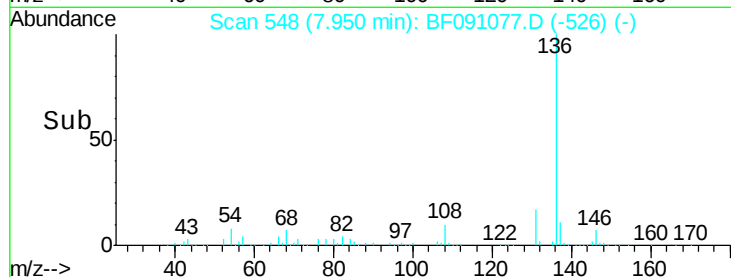


Abundance Ion 136.00 (135.70 to 136.70): E

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: 21.66 ng

RT: 7.06 min Scan# 470

Delta R.T. -0.07 min

Lab File: BF091077.D

Acq: 8 Nov 2016 11:55

Tgt Ion:105 Resp: 384711

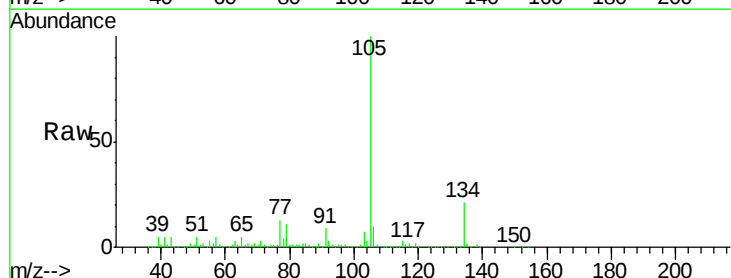
Ion Ratio Lower Upper

105 100

71 3.4 6.2 9.2#

51 4.5 23.3 34.9#

120 0.3 17.4 26.0#

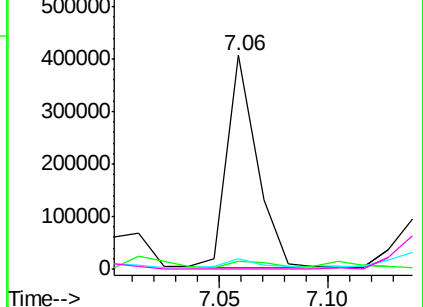
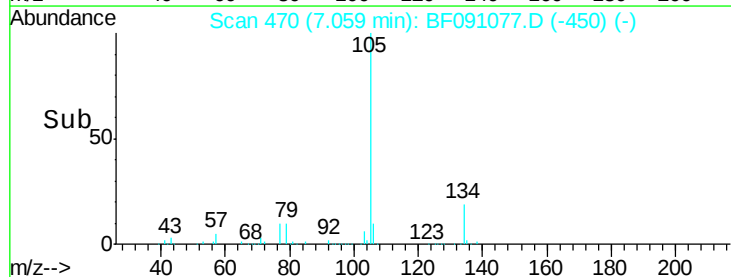


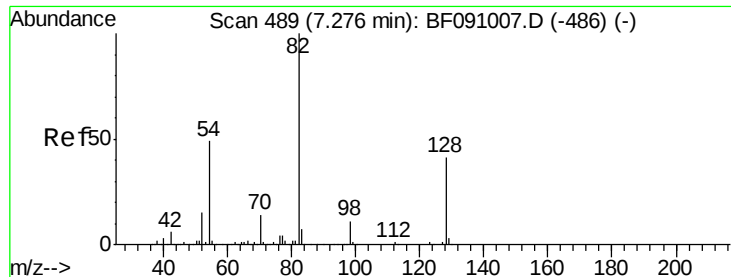
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

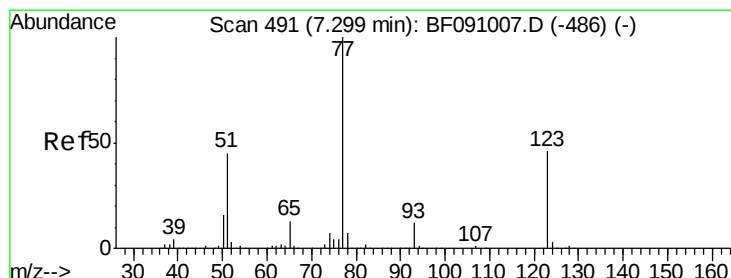
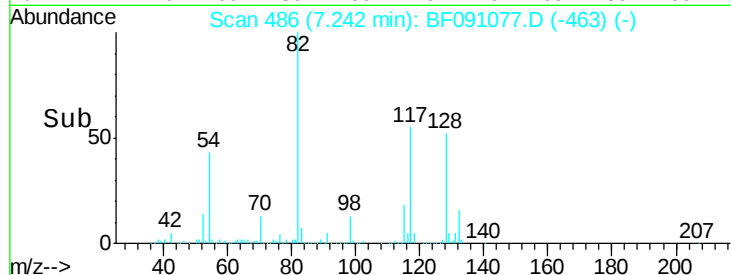
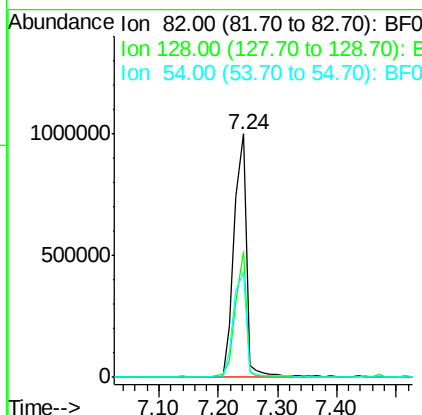
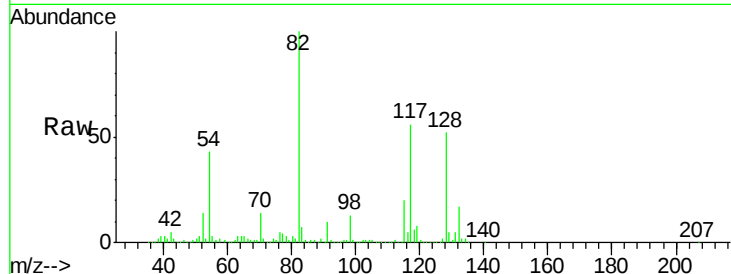




#23
 Nitrobenzene-d5
 Concen: 102.30 ng
 RT: 7.24 min Scan# 486
 Delta R.T. -0.03 min
 Lab File: BF091077.D
 Acq: 8 Nov 2016 11:55

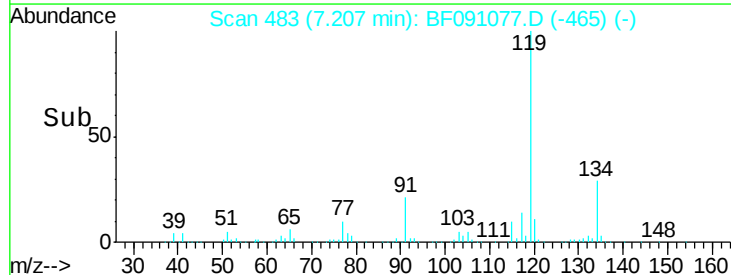
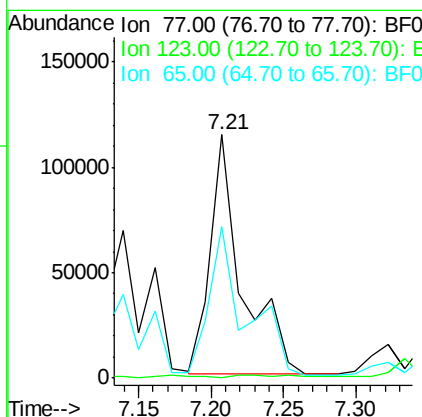
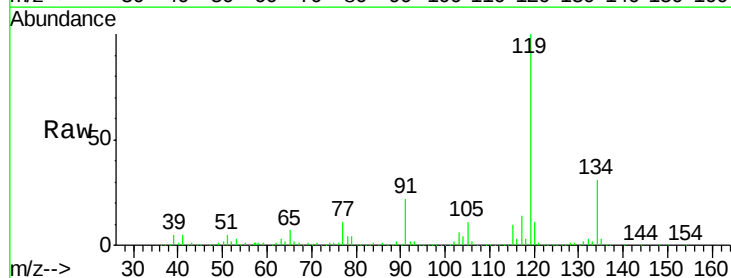
Instrument :
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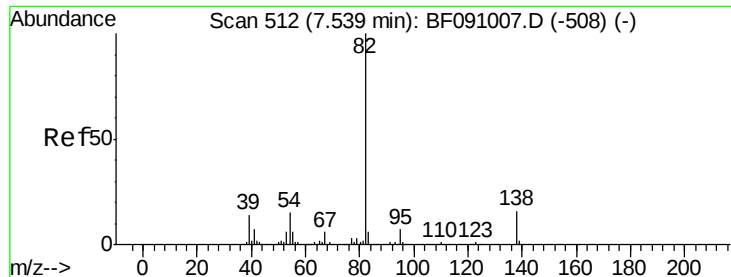
Tgt Ion: 82 Resp: 1446608
 Ion Ratio Lower Upper
 82 100
 128 51.6 32.4 48.6#
 54 43.2 39.2 58.8



#24
 Nitrobenzene
 Concen: 11.11 ng
 RT: 7.21 min Scan# 483
 Delta R.T. -0.09 min
 Lab File: BF091077.D
 Acq: 8 Nov 2016 11:55

Tgt Ion: 77 Resp: 173549
 Ion Ratio Lower Upper
 77 100
 123 0.4 36.5 54.7#
 65 62.0 10.7 16.1#





#25

Isophorone

Concen: 46.72 ng

RT: 7.24 min Scan# 486

Delta R.T. -0.30 min

Lab File: BF091077.D

Acq: 8 Nov 2016 11:55

Instrument :

BNA_F

ClientSampleId :

RMAB-MW10-GW

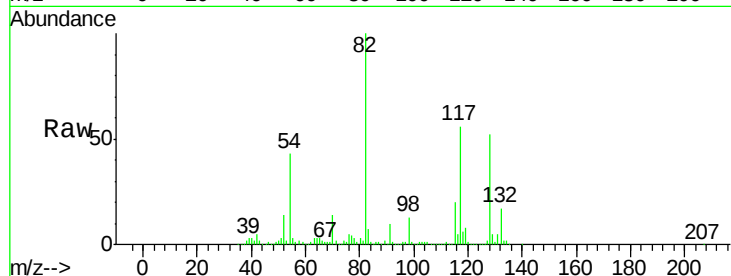
Tgt Ion: 82 Resp: 1273028

Ion Ratio Lower Upper

82 100

95 0.2 5.4 8.0#

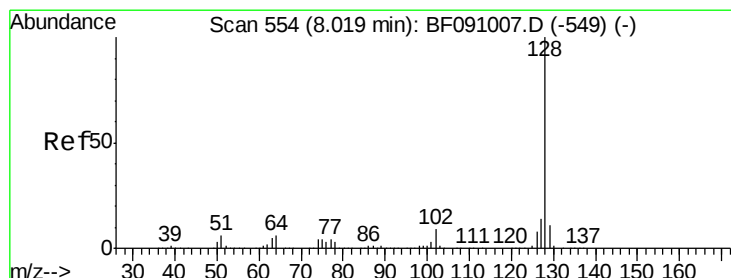
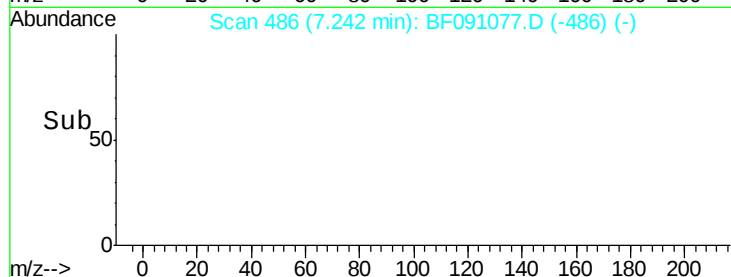
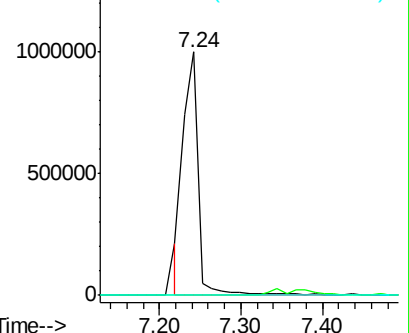
138 0.0 13.0 19.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): E



#31

Naphthalene

Concen: 13.42 ng

RT: 7.97 min Scan# 550

Delta R.T. -0.05 min

Lab File: BF091077.D

Acq: 8 Nov 2016 11:55

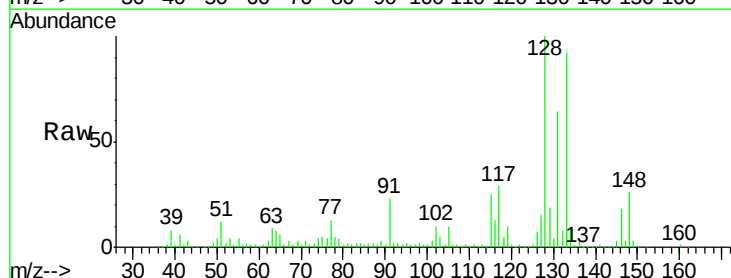
Tgt Ion: 128 Resp: 495253

Ion Ratio Lower Upper

128 100

129 19.3 9.0 13.6#

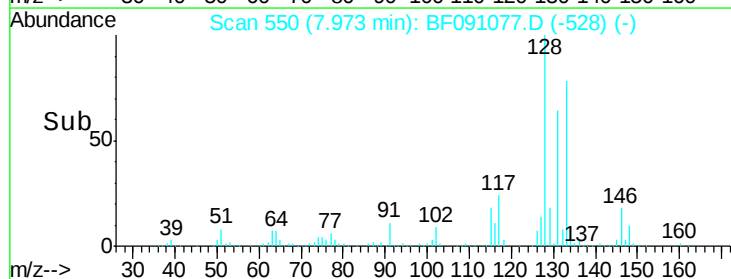
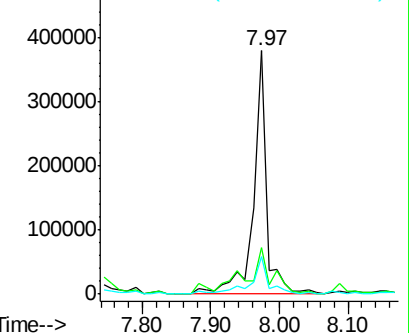
127 15.2 10.9 16.3

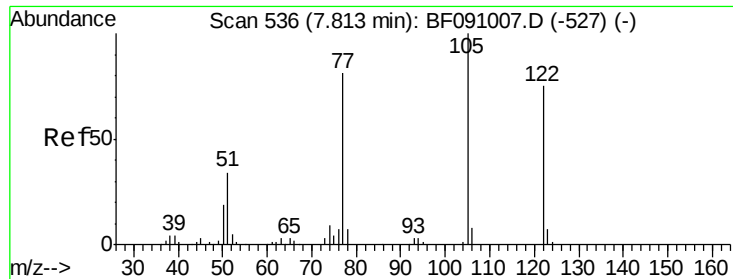


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

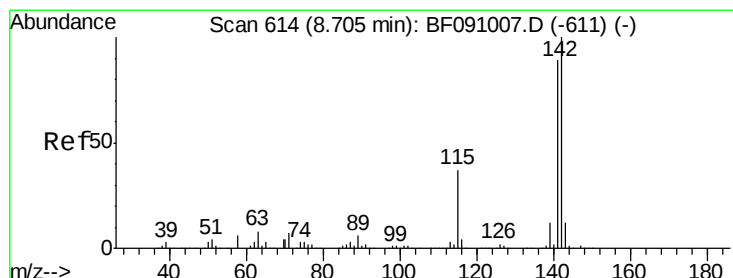
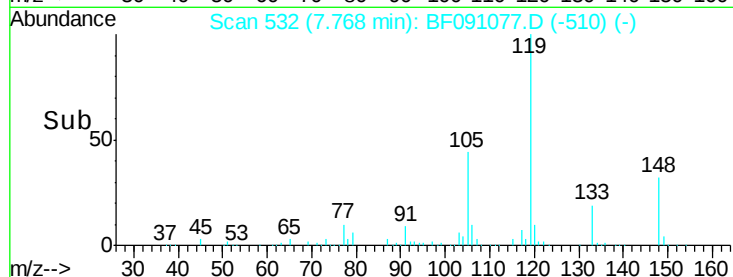
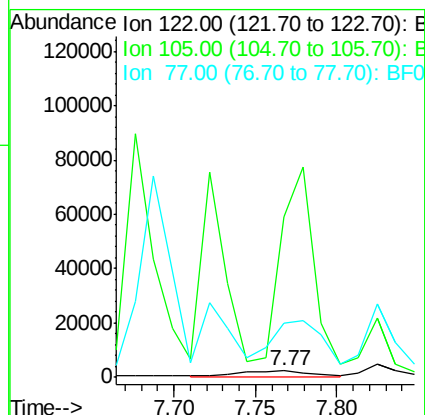
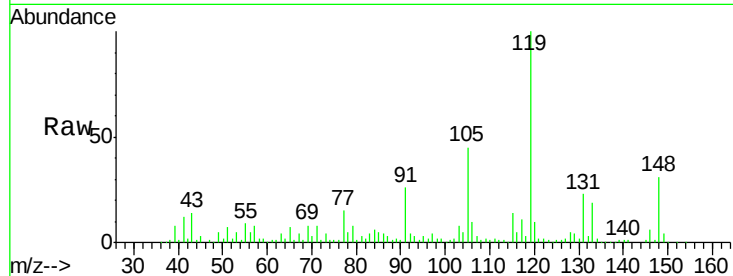




#32
Benzoic acid
Concen: 5.75 ng
RT: 7.77 min Scan# 532
Delta R.T. -0.05 min
Lab File: BF091077.D
Acq: 8 Nov 2016 11:55

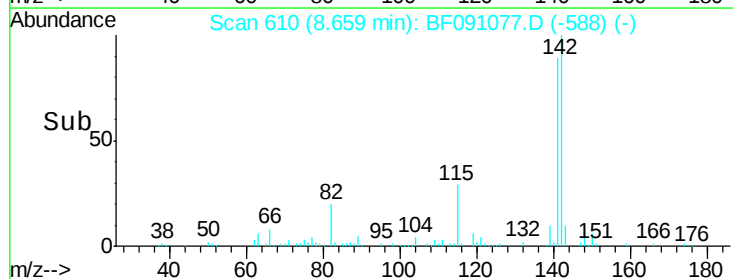
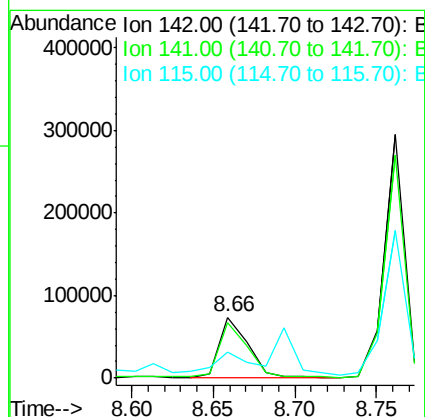
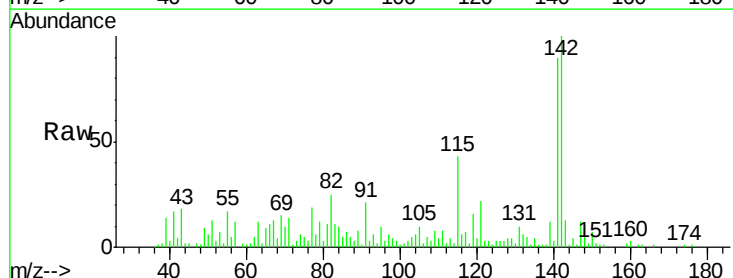
Instrument :
BNA_F
ClientSampleId :
RMAB-MW10-GW

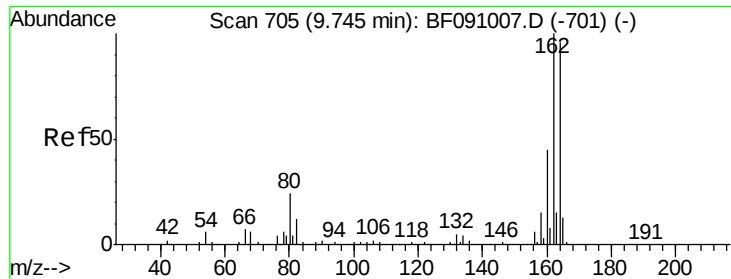
Tgt Ion:122 Resp: 6404
Ion Ratio Lower Upper
122 100
105 2380.3 105.9 145.9#
77 801.0 84.0 124.0#



#37
2-Methylnaphthalene
Concen: 3.73 ng
RT: 8.66 min Scan# 610
Delta R.T. -0.05 min
Lab File: BF091077.D
Acq: 8 Nov 2016 11:55

Tgt Ion:142 Resp: 88573
Ion Ratio Lower Upper
142 100
141 90.5 71.3 106.9
115 43.4 29.9 44.9





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.70 min Scan# 701

Delta R.T. -0.05 min

Lab File: BF091077.D

Acq: 8 Nov 2016 11:55

Instrument :

BNA_F

ClientSampleId :

RMAB-MW10-GW

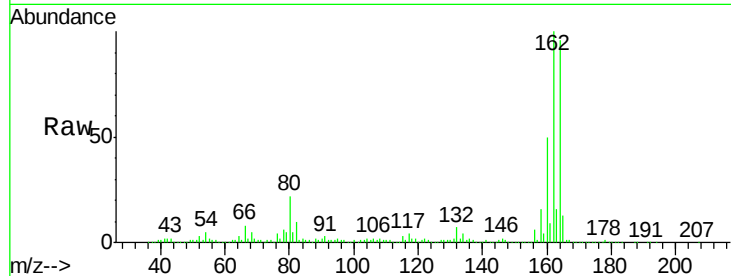
Tgt Ion:164 Resp: 440458

Ion Ratio Lower Upper

164 100

162 104.3 83.6 125.4

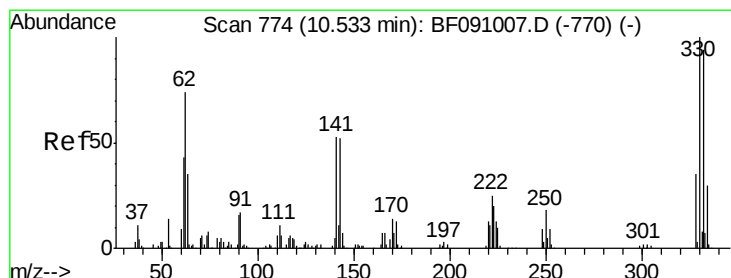
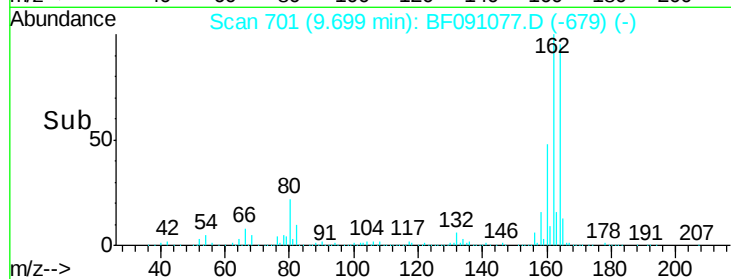
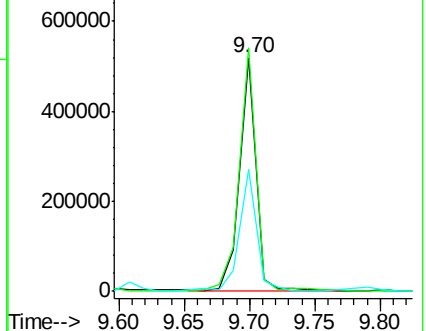
160 52.1 37.9 56.9



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: 152.13 ng

RT: 10.50 min Scan# 771

Delta R.T. -0.03 min

Lab File: BF091077.D

Acq: 8 Nov 2016 11:55

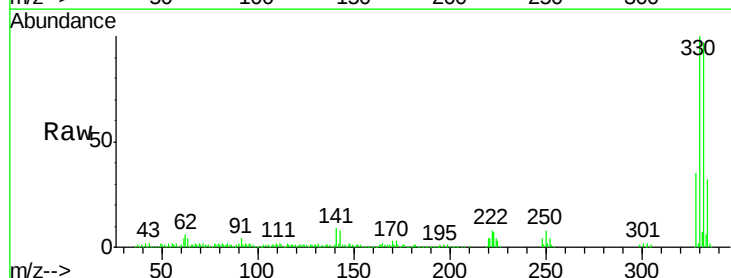
Tgt Ion:330 Resp: 605770

Ion Ratio Lower Upper

330 100

332 95.3 75.9 113.9

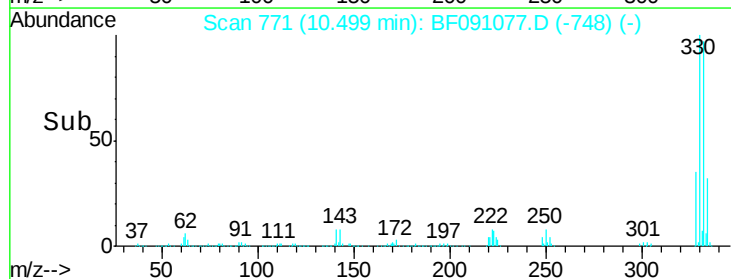
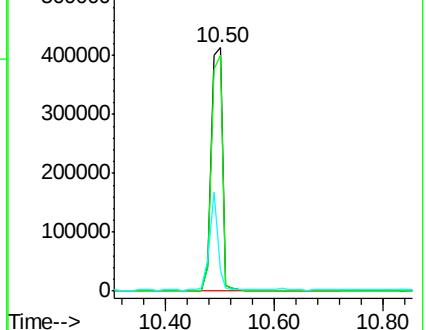
141 30.2 36.1 54.1#

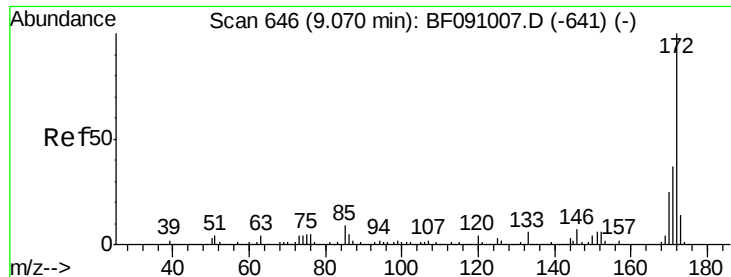


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

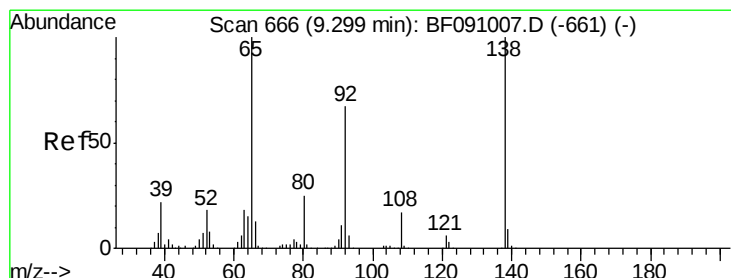
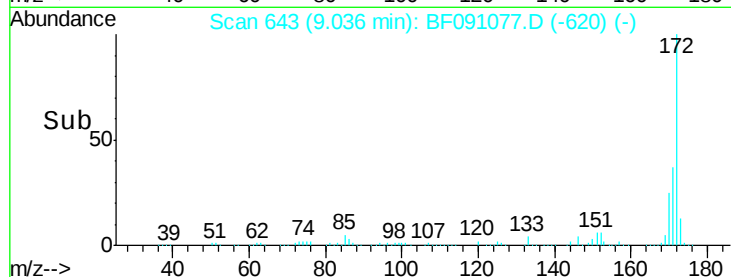
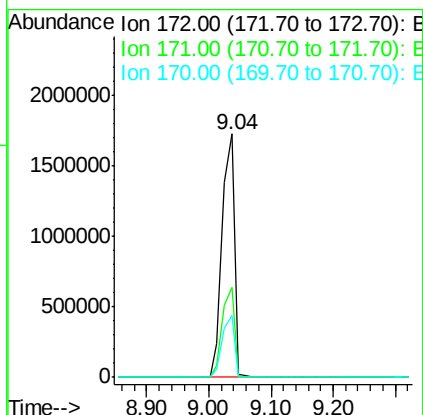
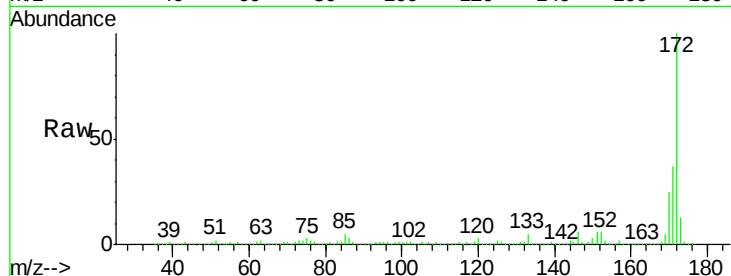




#44
 2-Fluorobiphenyl
 Concen: 91.24 ng
 RT: 9.04 min Scan# 643
 Delta R.T. -0.03 min
 Lab File: BF091077.D
 Acq: 8 Nov 2016 11:55

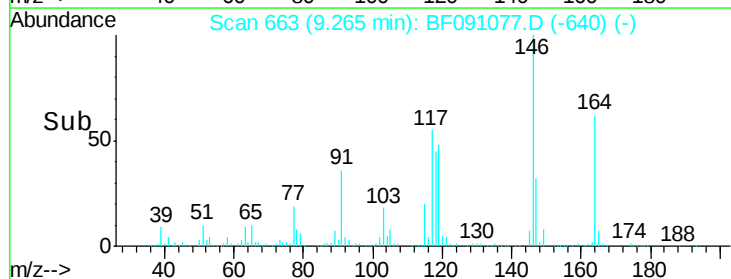
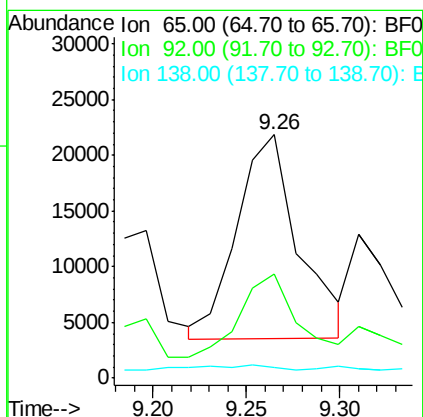
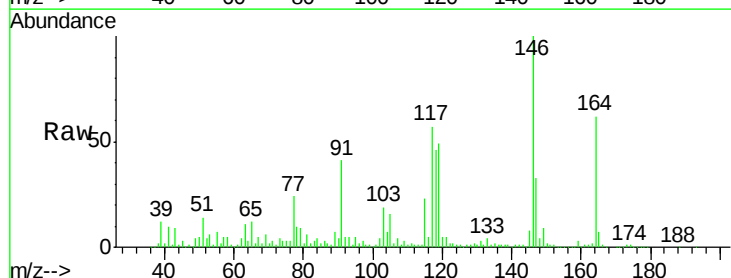
Instrument :
 BNA_F
 ClientSampleId :
 RMAB-MW10-GW

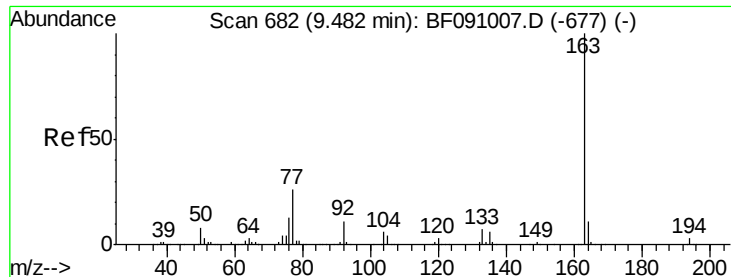
Tgt Ion: 172 Resp: 2334265
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.8 44.6
 170 25.3 20.3 30.5



#47
 2-Nitroaniline
 Concen: 4.65 ng
 RT: 9.26 min Scan# 663
 Delta R.T. -0.03 min
 Lab File: BF091077.D
 Acq: 8 Nov 2016 11:55

Tgt Ion: 65 Resp: 42176
 Ion Ratio Lower Upper
 65 100
 92 43.0 53.9 80.9#
 138 4.3 80.1 120.1#





#49

Dimethylphthalate

Concen: 2.49 ng

RT: 9.42 min Scan# 677

Delta R.T. -0.06 min

Lab File: BF091077.D

Acq: 8 Nov 2016 11:55

Instrument :

BNA_F

ClientSampleId :

RMAB-MW10-GW

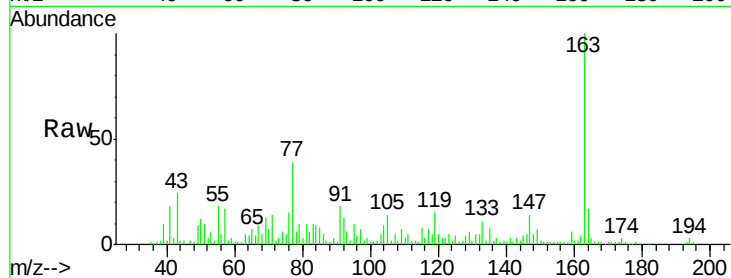
Tgt Ion:163 Resp: 71978

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

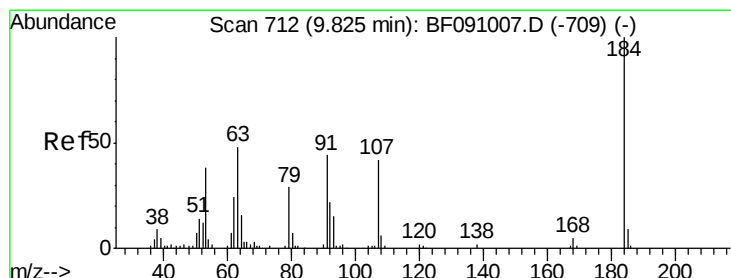
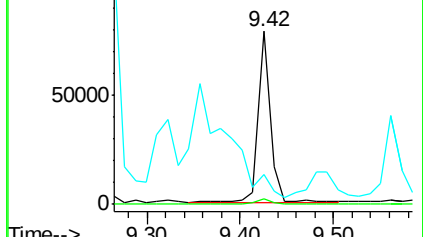
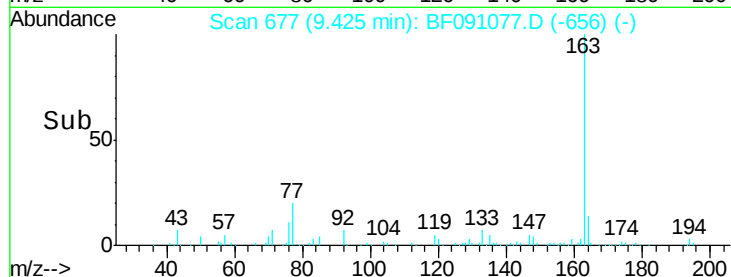
164 17.2 8.7 13.1#



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



#53

2,4-Dinitrophenol

Concen: 6.38 ng

RT: 9.85 min Scan# 714

Delta R.T. 0.02 min

Lab File: BF091077.D

Acq: 8 Nov 2016 11:55

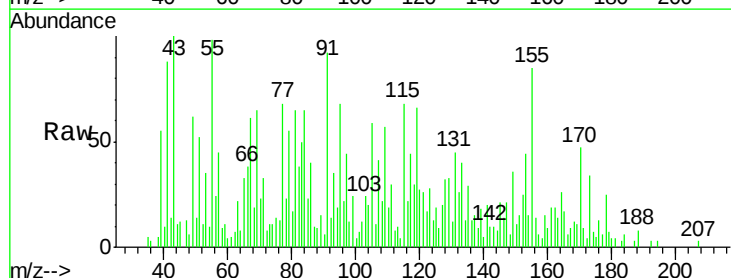
Tgt Ion:184 Resp: 451

Ion Ratio Lower Upper

184 100

63 357.3 45.5 68.3#

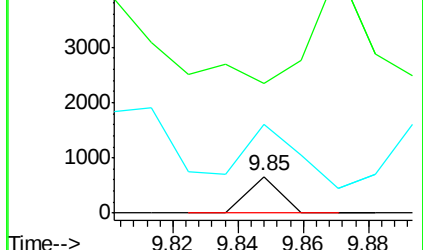
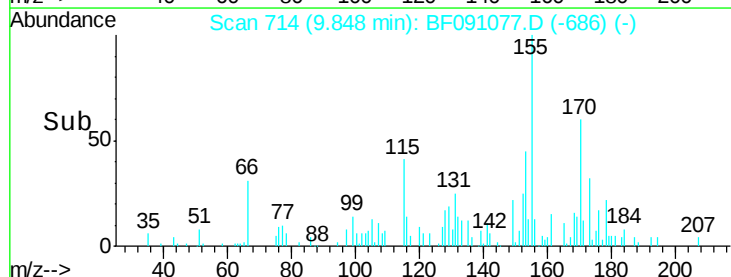
154 243.0 51.0 76.4#

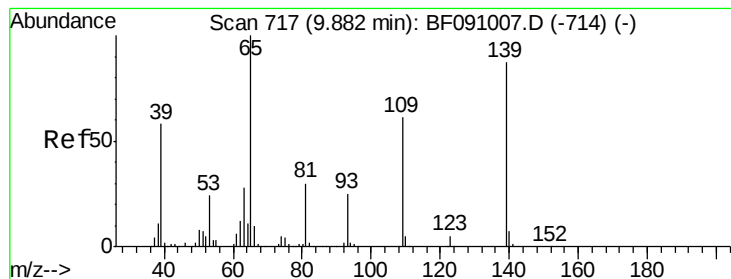


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#55

4-Nitrophenol

Concen: 6.12 ng

RT: 9.81 min Scan# 711

Delta R.T. -0.07 min

Lab File: BF091077.D

Acq: 8 Nov 2016 11:55

Instrument :

BNA_F

ClientSampleId :

RMAB-MW10-GW

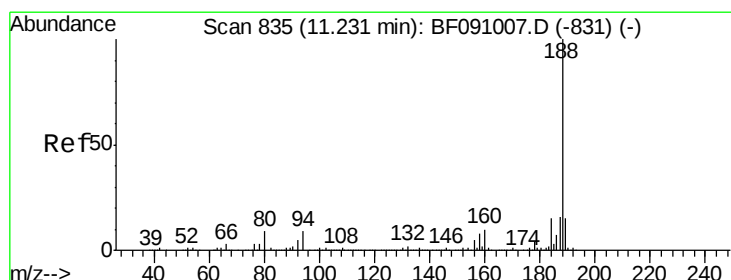
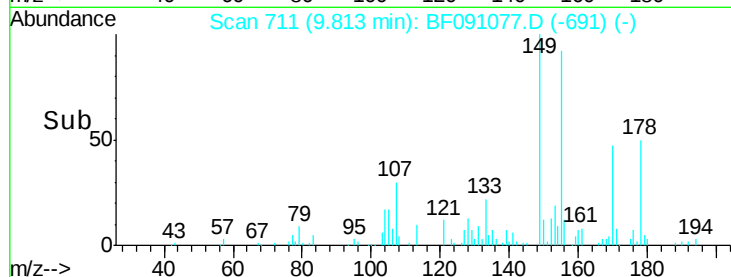
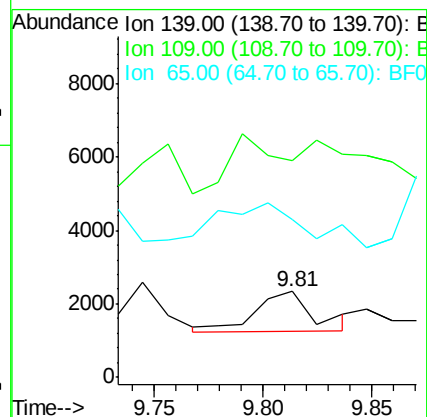
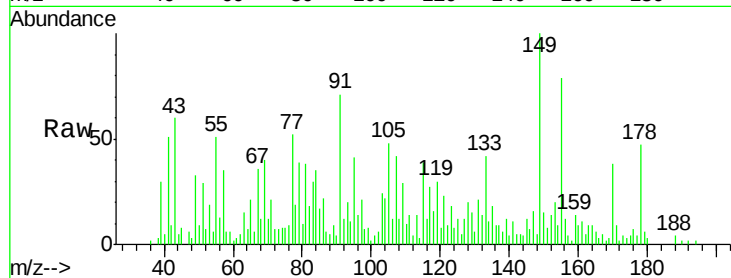
Tgt Ion:139 Resp: 2029

Ion Ratio Lower Upper

139 100

109 252.7 50.5 90.5#

65 183.4 97.1 137.1#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.17 min Scan# 830

Delta R.T. -0.06 min

Lab File: BF091077.D

Acq: 8 Nov 2016 11:55

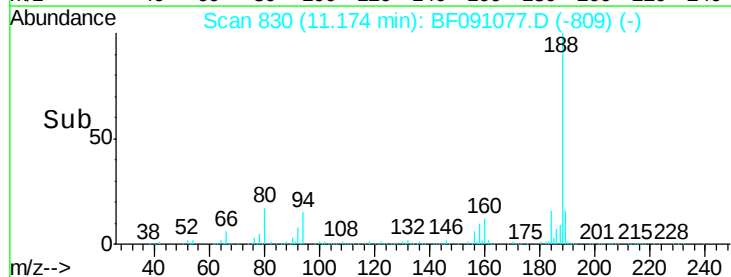
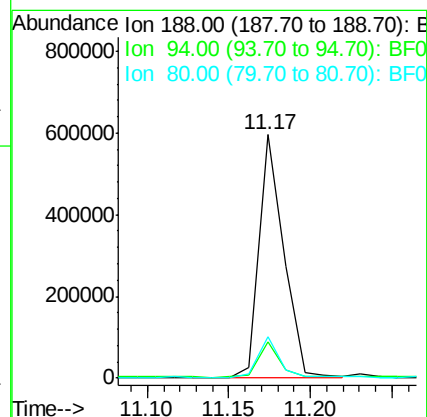
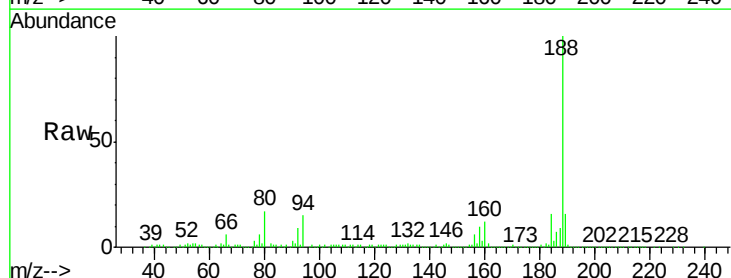
Tgt Ion:188 Resp: 629067

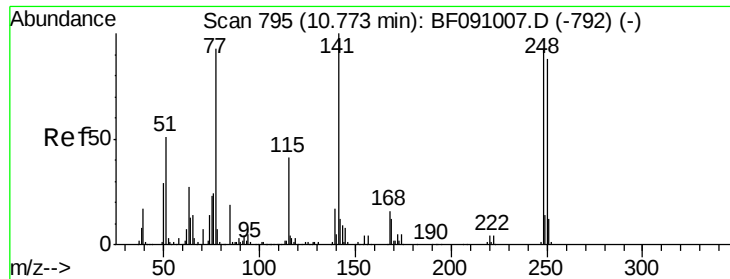
Ion Ratio Lower Upper

188 100

94 15.0 7.0 10.4#

80 17.2 7.5 11.3#





#66

4-Bromophenyl-phenylether

Concen: 5.62 ng

RT: 10.49 min Scan# 770

Delta R.T. -0.29 min

Lab File: BF091077.D

Acq: 8 Nov 2016 11:55

Instrument :

BNA_F

ClientSampleId :

RMAB-MW10-GW

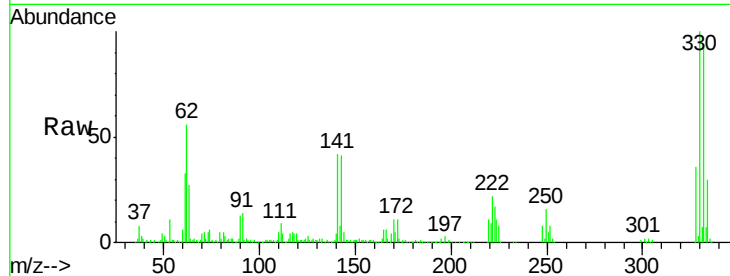
Tgt Ion:248 Resp: 36768

Ion Ratio Lower Upper

248 100

250 197.5 76.3 114.5#

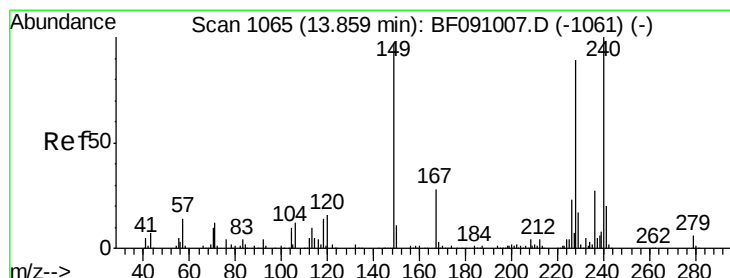
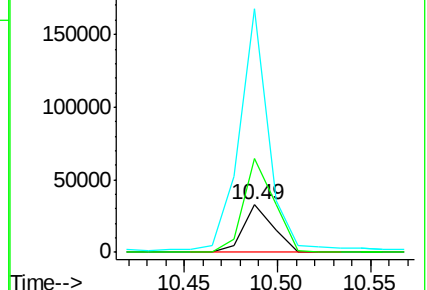
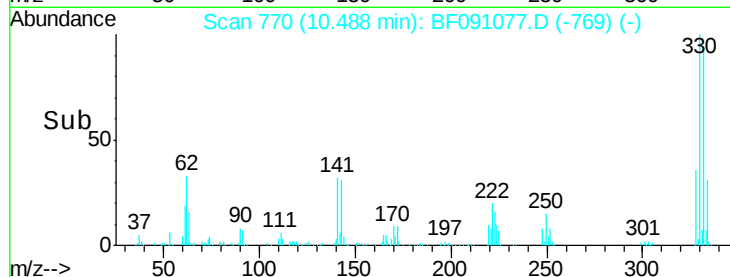
141 512.6 86.8 130.2#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.80 min Scan# 1060

Delta R.T. -0.06 min

Lab File: BF091077.D

Acq: 8 Nov 2016 11:55

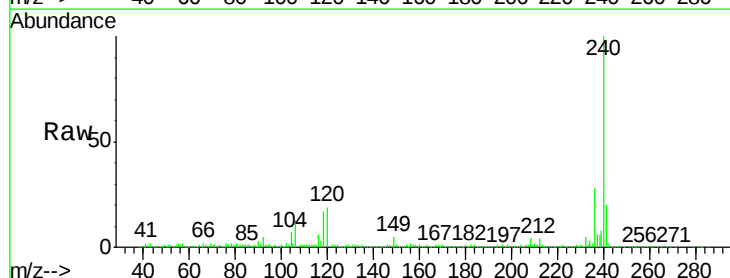
Tgt Ion:240 Resp: 516429

Ion Ratio Lower Upper

240 100

120 18.6 12.9 19.3

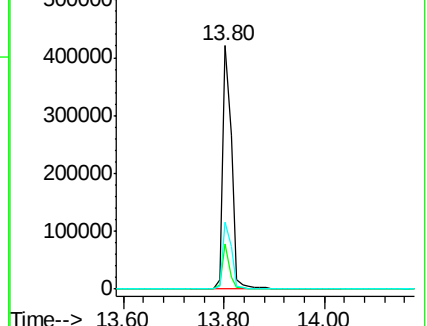
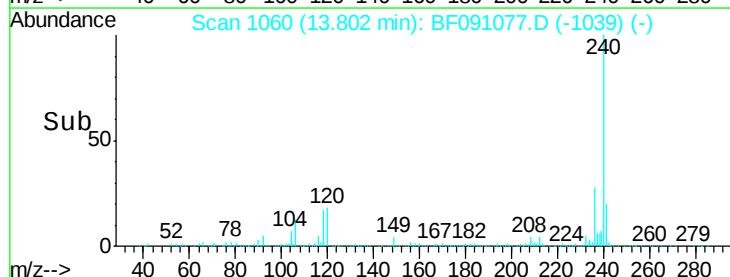
236 27.6 21.9 32.9

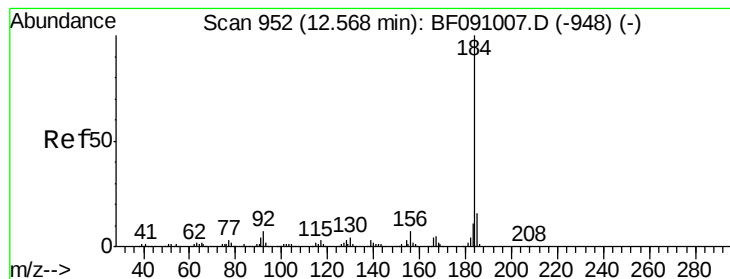


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 2.75 ng

RT: 12.76 min Scan# 969

Delta R.T. 0.19 min

Lab File: BF091077.D

Acq: 8 Nov 2016 11:55

Instrument :

BNA_F

ClientSampleId :

RMAB-MW10-GW

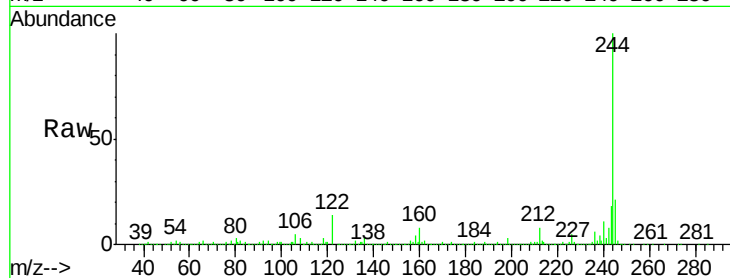
Tgt Ion:184 Resp: 31726

Ion Ratio Lower Upper

184 100

185 20.9 13.0 19.4#

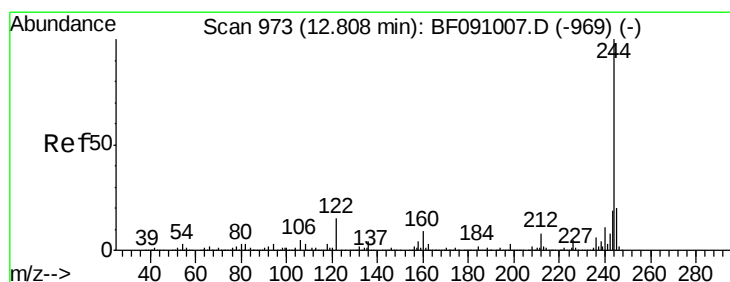
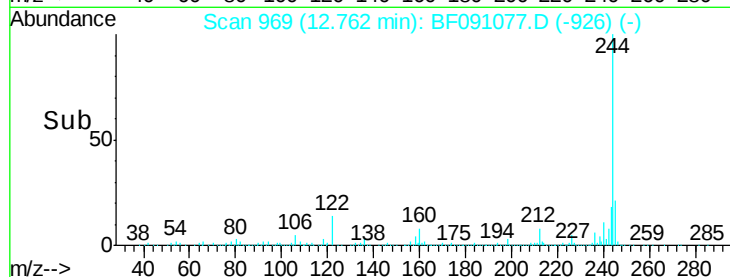
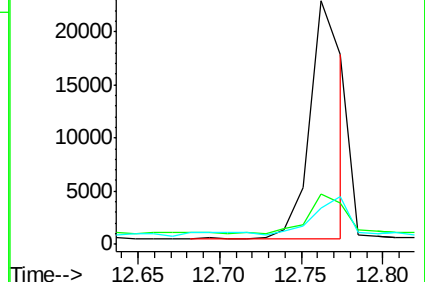
183 15.0 8.7 13.1#



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



#78

Terphenyl-d14

Concen: 117.07 ng

RT: 12.77 min Scan# 970

Delta R.T. -0.03 min

Lab File: BF091077.D

Acq: 8 Nov 2016 11:55

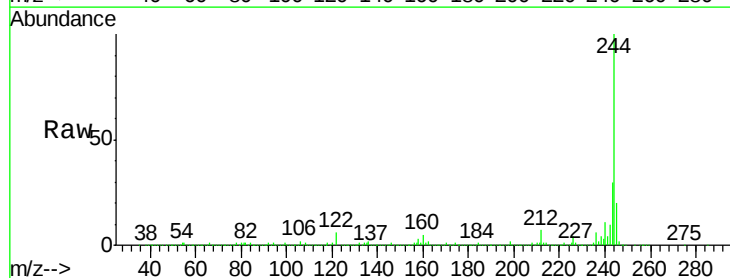
Tgt Ion:244 Resp: 2422850

Ion Ratio Lower Upper

244 100

212 6.6 6.4 9.6

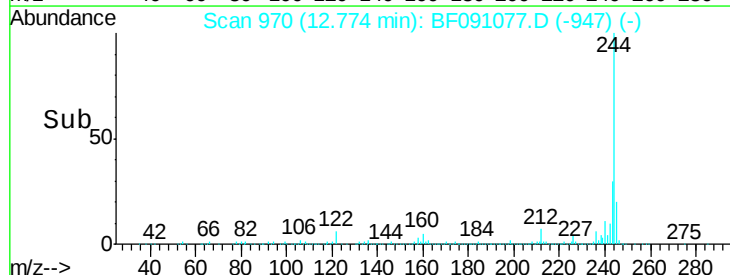
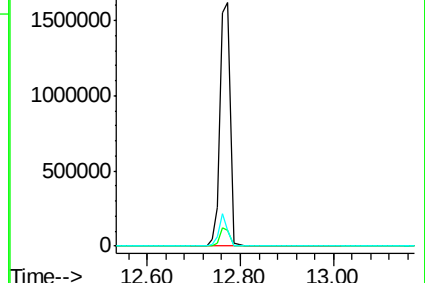
122 6.4 12.3 18.5#

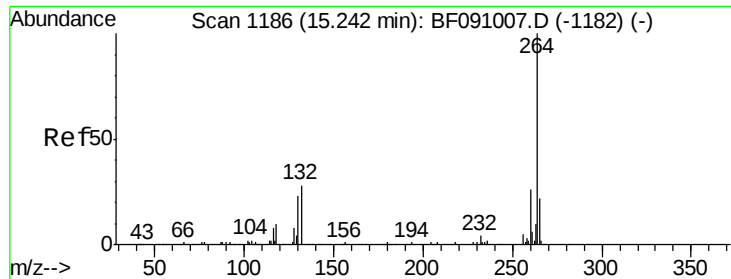


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.19 min Scan# 1181
Delta R.T. -0.06 min
Lab File: BF091077.D
Acq: 8 Nov 2016 11:55

Instrument :
BNA_F
ClientSampleId :
RMAB-MW10-GW

Tgt Ion: 264 Resp: 394443
Ion Ratio Lower Upper
264 100
260 24.7 20.6 30.8
265 21.8 17.8 26.8

