

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110916\
 Data File : BF091134.D
 Acq On : 9 Nov 2016 19:50
 Operator : UM/SJ
 Sample : H5582-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-104

Quant Time: Nov 09 22:44:44 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	6.66	152	167524	20.00	ng	0.00
21) Naphthalene-d8	7.94	136	710763	20.00	ng	-0.01
38) Acenaphthene-d10	9.69	164	364746	20.00	ng	-0.01
63) Phenanthrene-d10	11.17	188	630942	20.00	ng	0.00
75) Chrysene-d12	13.80	240	491020	20.00	ng	-0.01
86) Perylene-d12	15.17	264	353482	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.24	112	670306	66.08	ng	0.00
7) Phenol-d6	6.30	99	579279	42.07	ng	-0.01
23) Nitrobenzene-d5	7.23	82	1344619	103.20	ng	-0.01
41) 2,4,6-Tribromophenol	10.49	330	557746	169.14	ng	0.00
44) 2-Fluorobiphenyl	9.02	172	1980438	93.48	ng	-0.01
78) Terphenyl-d14	12.76	244	2106094	107.04	ng	0.00

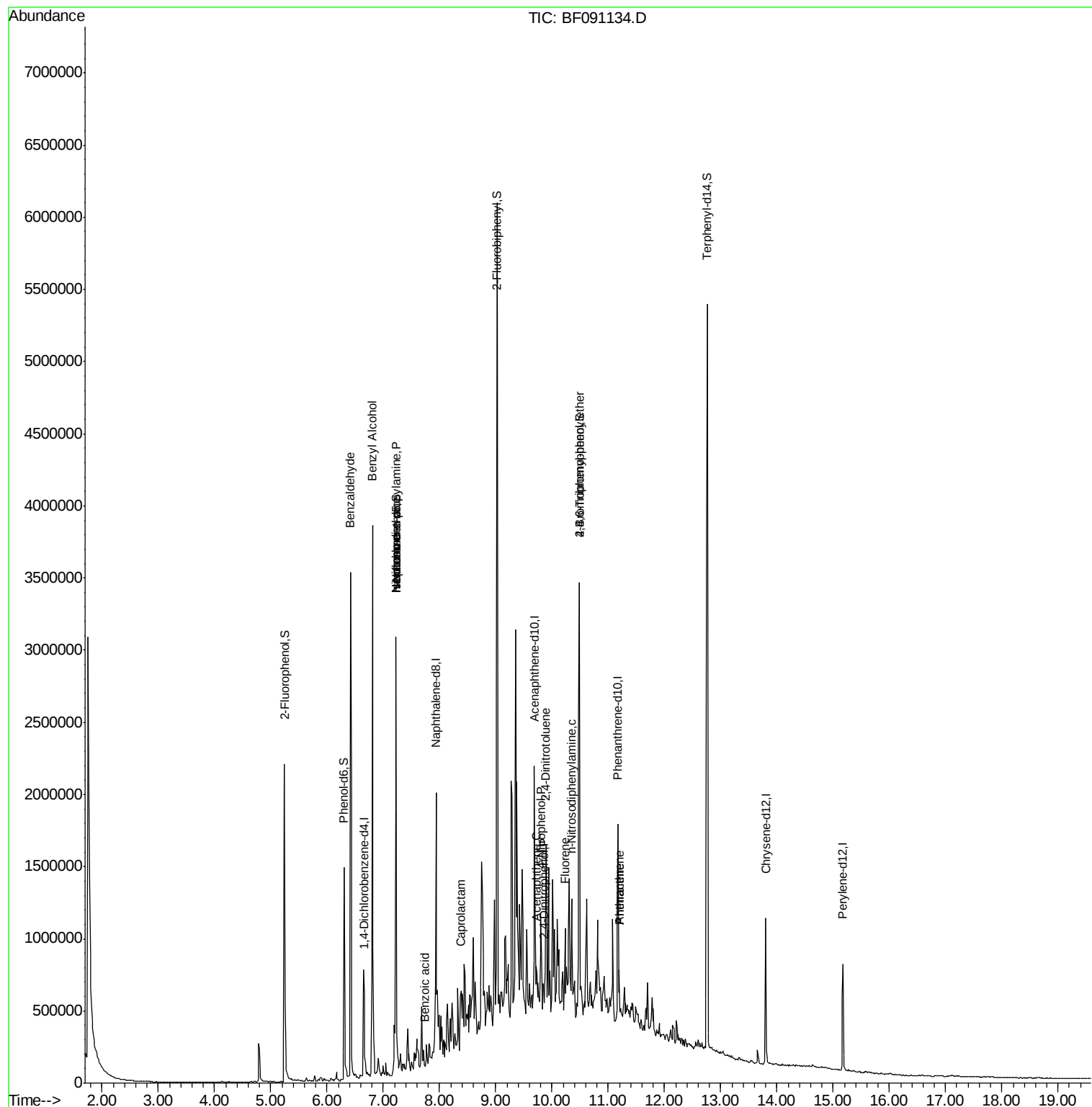
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.42	77	28833	3.77	ng	83
15) Benzyl Alcohol	6.81	79	22109	2.28	ng	# 58
18) Hexachloroethane	7.23	117	71817	14.13	ng	# 11
19) n-Nitroso-di-n-propylamine	7.23	70	192308	20.16	ng	# 75
25) Isophorone	7.23	82	1260947	50.22	ng	# 68
32) Benzoic acid	7.74	122	1132	5.20	ng	# 1
35) Caprolactam	8.38	113	14121	5.11	ng	# 44
51) Acenaphthene	9.72	154	48509	2.45	ng	94
53) 2,4-Dinitrophenol	9.85	184	498	6.42	ng	# 1
55) 4-Nitrophenol	9.80	139	23207	11.05	ng	# 43
56) 2,4-Dinitrotoluene	9.89	165	13357	2.05	ng	# 55
57) Fluorene	10.24	166	105536	4.85	ng	96
65) n-Nitrosodiphenylamine	10.35	169	73766	3.68	ng	# 68
66) 4-Bromophenyl-phenylether	10.49	248	37323	5.69	ng	# 1
70) Phenanthrene	11.20	178	131021	3.91	ng	95
71) Anthracene	11.20	178	131021	3.67	ng	97

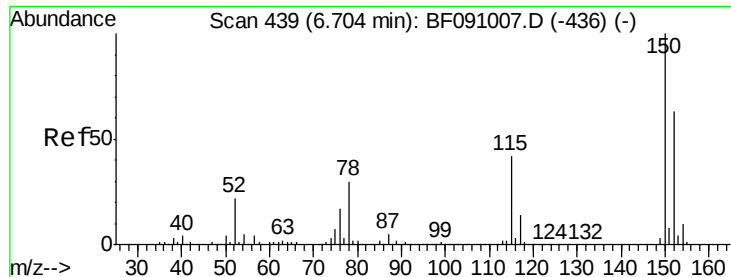
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 435

Delta R.T. -0.00 min

Lab File: BF091134.D

Acq: 9 Nov 2016 19:50

Instrument :

BNA_F

ClientSampleId :

MW-104

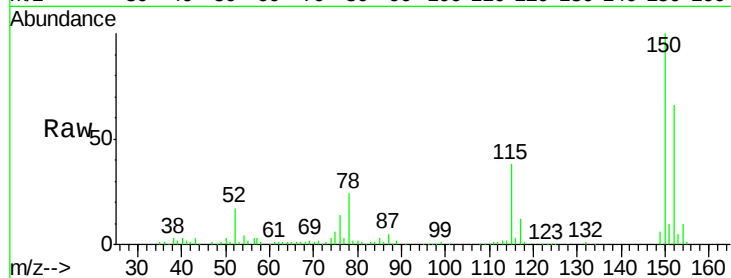
Tgt Ion:152 Resp: 167524

Ion Ratio Lower Upper

152 100

150 151.0 126.8 190.2

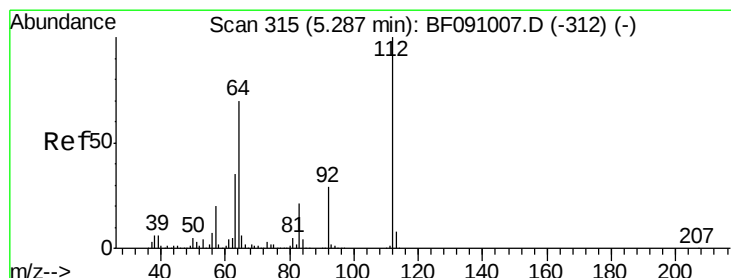
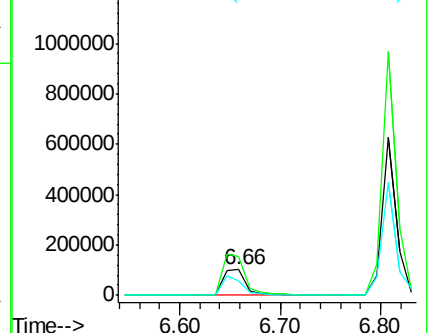
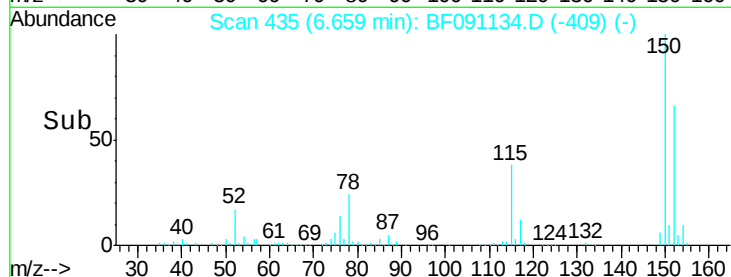
115 57.4 53.3 79.9



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: 66.08 ng

RT: 5.24 min Scan# 311

Delta R.T. -0.00 min

Lab File: BF091134.D

Acq: 9 Nov 2016 19:50

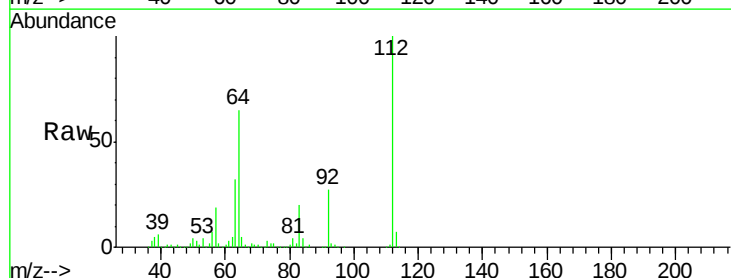
Tgt Ion:112 Resp: 670306

Ion Ratio Lower Upper

112 100

64 65.1 55.8 83.6

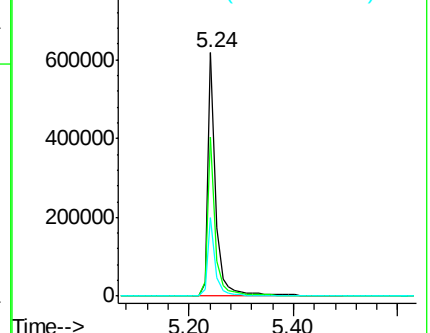
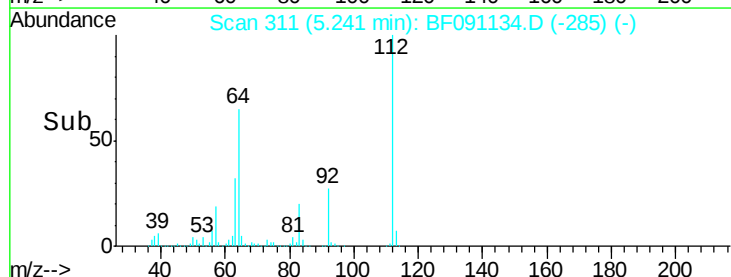
63 32.1 28.0 42.0

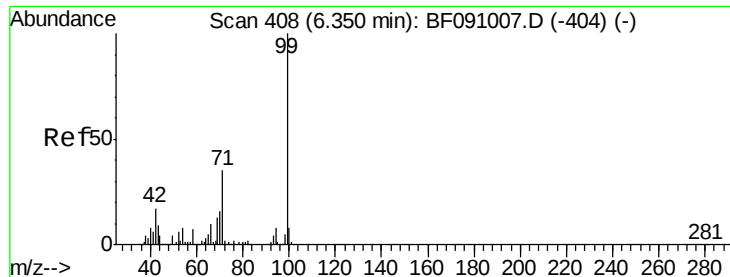


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 42.07 ng

RT: 6.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: BF091134.D

Acq: 9 Nov 2016 19:50

Instrument :

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MW-104

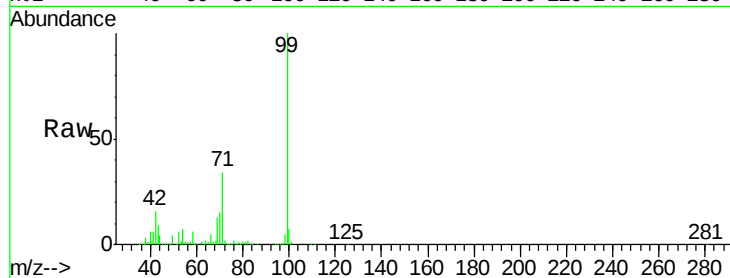
Tgt Ion: 99 Resp: 579279

Ion Ratio Lower Upper

99 100

42 16.1 13.9 20.9

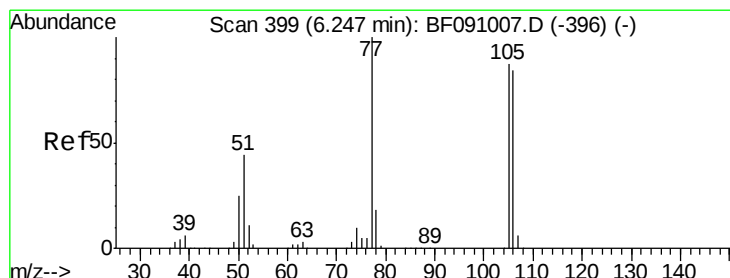
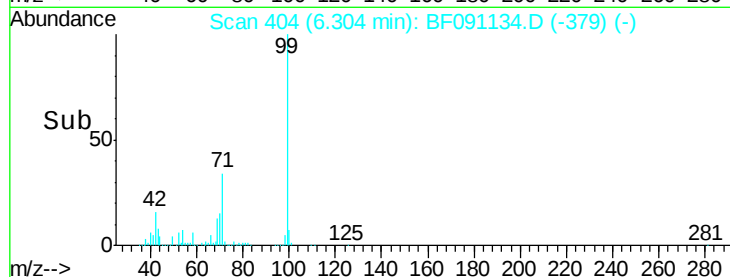
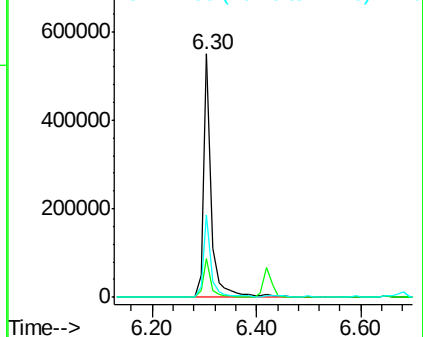
71 33.7 27.8 41.8



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: 3.77 ng

RT: 6.42 min Scan# 414

Delta R.T. 0.22 min

Lab File: BF091134.D

Acq: 9 Nov 2016 19:50

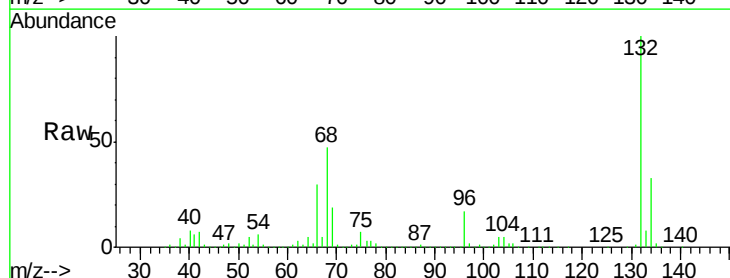
Tgt Ion: 77 Resp: 28833

Ion Ratio Lower Upper

77 100

105 73.8 66.8 106.8

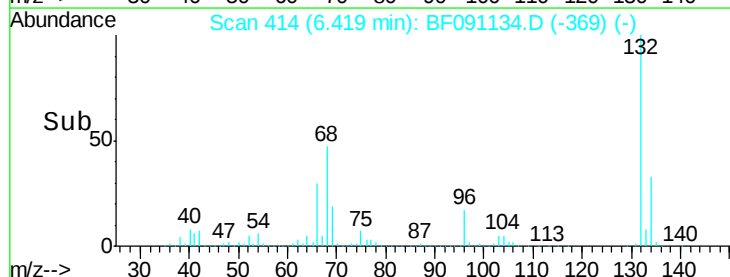
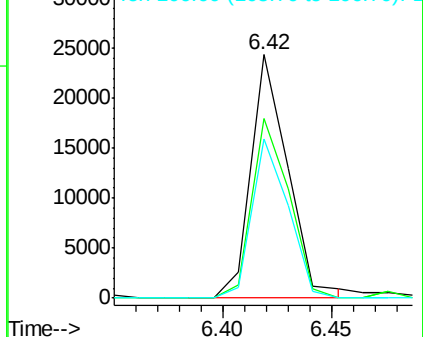
106 65.6 64.0 104.0

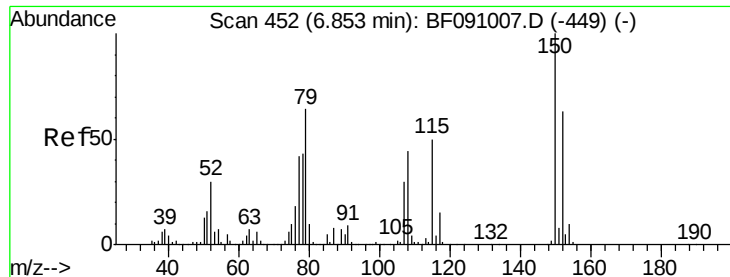


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#15

Benzyl Alcohol

Concen: 2.28 ng

RT: 6.81 min Scan# 448

Delta R.T. -0.01 min

Lab File: BF091134.D

Acq: 9 Nov 2016 19:50

Instrument :

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MW-104

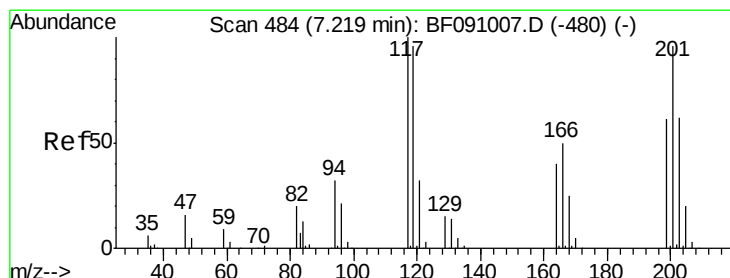
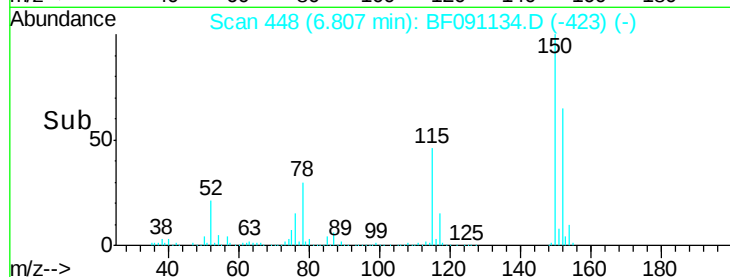
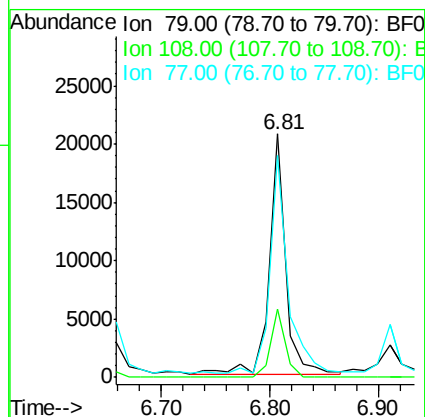
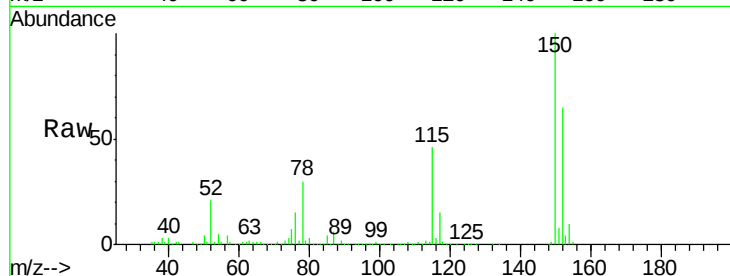
Tgt Ion: 79 Resp: 22109

Ion Ratio Lower Upper

79 100

108 27.9 55.7 83.5#

77 91.0 52.6 79.0#



#18

Hexachloroethane

Concen: 14.13 ng

RT: 7.23 min Scan# 485

Delta R.T. 0.06 min

Lab File: BF091134.D

Acq: 9 Nov 2016 19:50

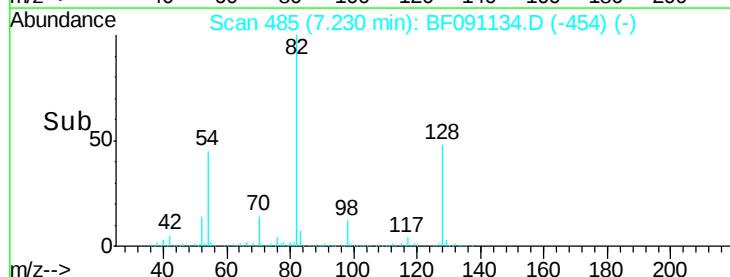
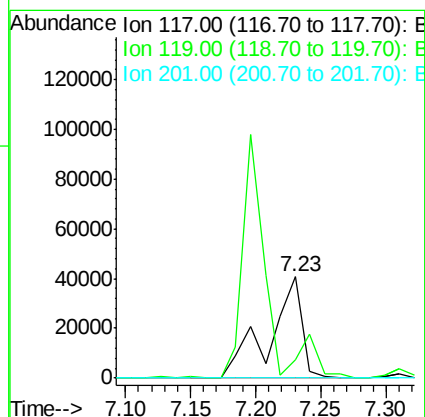
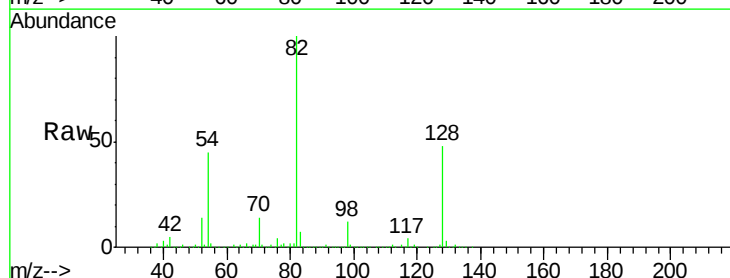
Tgt Ion: 117 Resp: 71817

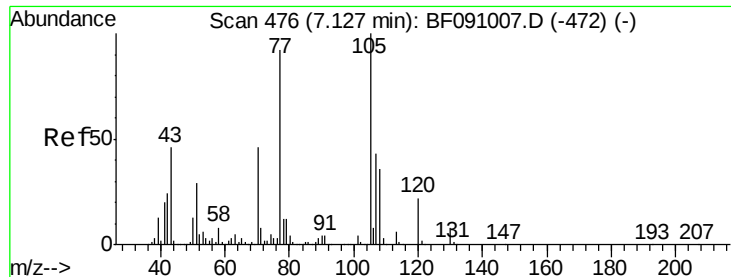
Ion Ratio Lower Upper

117 100

119 18.0 76.6 115.0#

201 0.0 77.1 115.7#

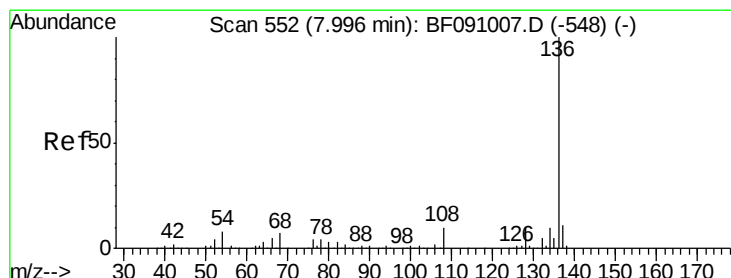
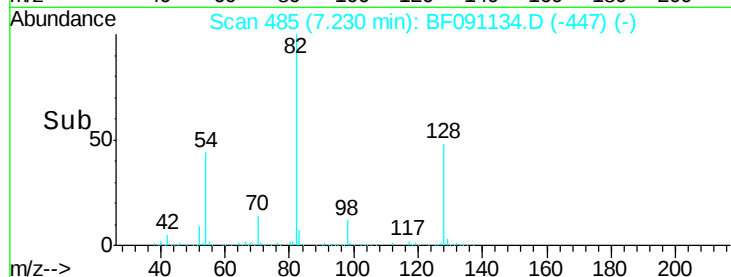
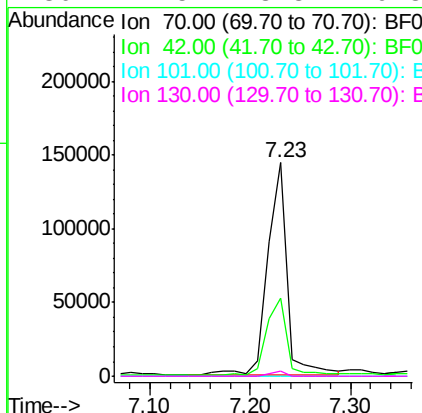
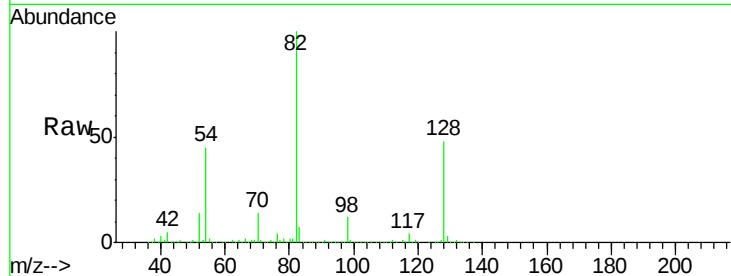




#19
n-Nitroso-di-n-propylamine
Concen: 20.16 ng
RT: 7.23 min Scan# 485
Delta R.T. 0.14 min
Lab File: BF091134.D
Acq: 9 Nov 2016 19:50

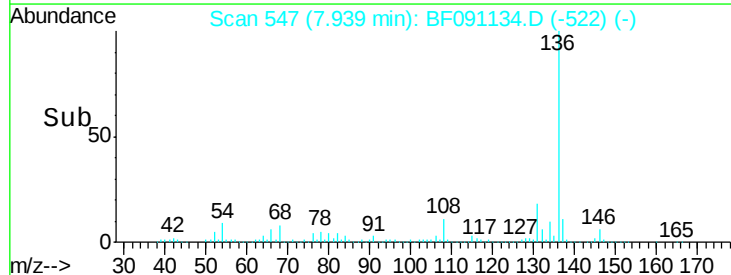
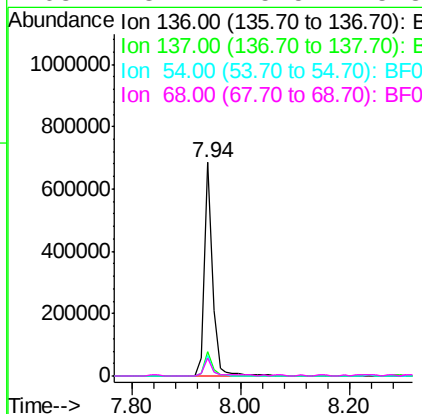
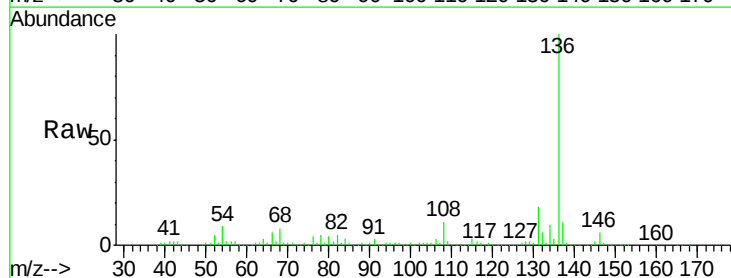
Instrument :
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MW-104

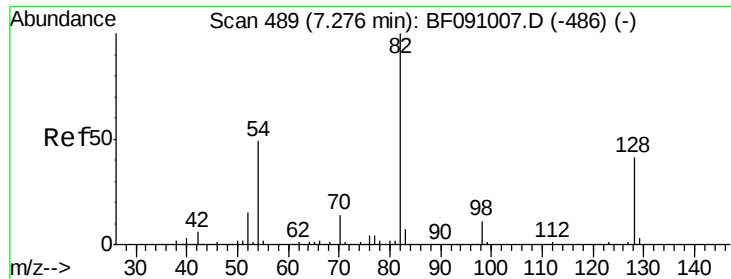
Tgt Ion: 70 Resp: 192308
Ion Ratio Lower Upper
70 100
42 36.6 41.7 62.5#
101 0.2 6.7 10.1#
130 2.5 13.8 20.8#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.94 min Scan# 547
Delta R.T. -0.01 min
Lab File: BF091134.D
Acq: 9 Nov 2016 19:50

Tgt Ion: 136 Resp: 710763
Ion Ratio Lower Upper
136 100
137 11.4 8.9 13.3
54 9.4 6.2 9.2#
68 8.4 5.5 8.3#

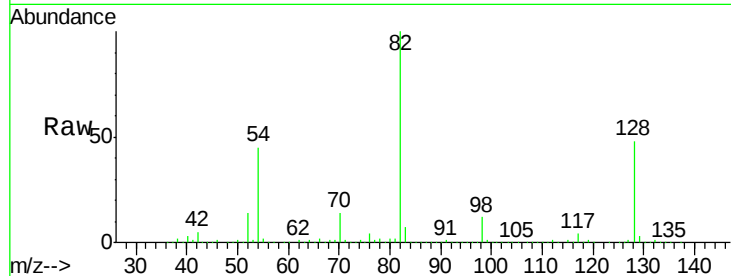




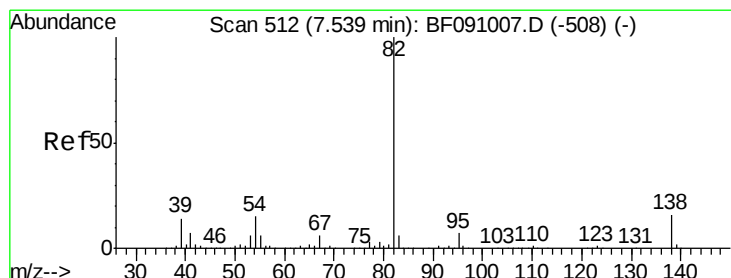
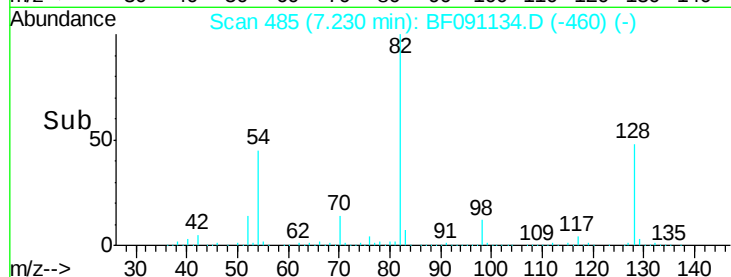
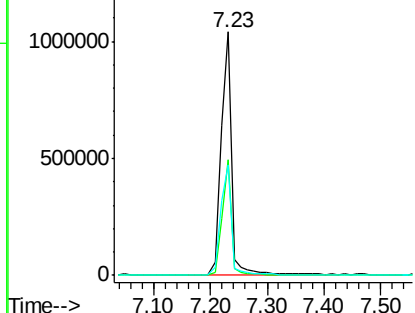
#23
 Nitrobenzene-d5
 Concen: 103.20 ng
 RT: 7.23 min Scan# 485
 Delta R.T. -0.01 min
 Lab File: BF091134.D
 Acq: 9 Nov 2016 19:50

Instrument :
 BNA_F
 ClientSampleId :
 MW-104

Tgt Ion: 82 Resp: 1344619
 Ion Ratio Lower Upper
 82 100
 128 47.7 32.4 48.6
 54 45.4 39.2 58.8

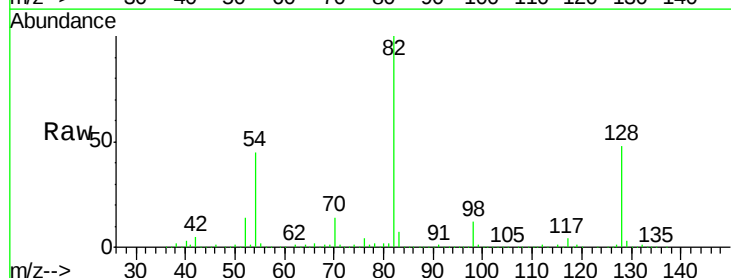


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

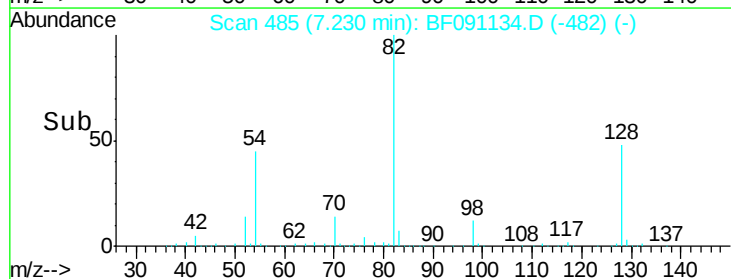
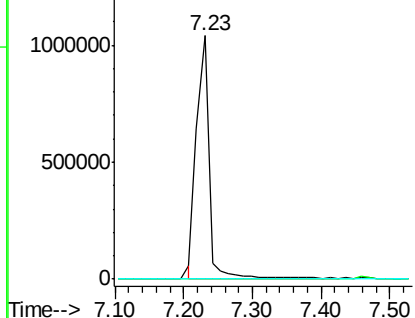


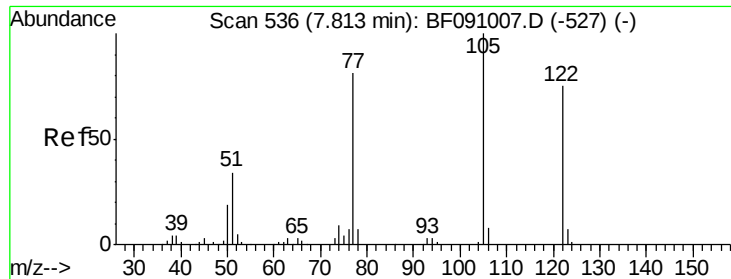
#25
 Isophorone
 Concen: 50.22 ng
 RT: 7.23 min Scan# 485
 Delta R.T. -0.26 min
 Lab File: BF091134.D
 Acq: 9 Nov 2016 19:50

Tgt Ion: 82 Resp: 1260947
 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): BF0

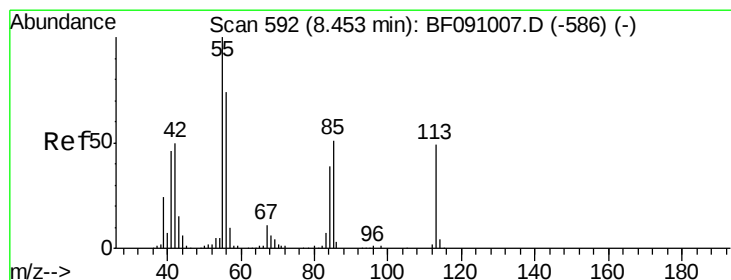
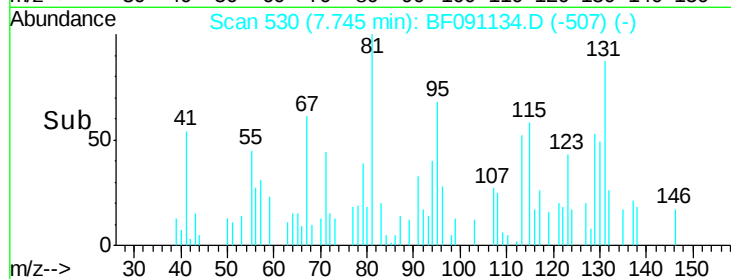
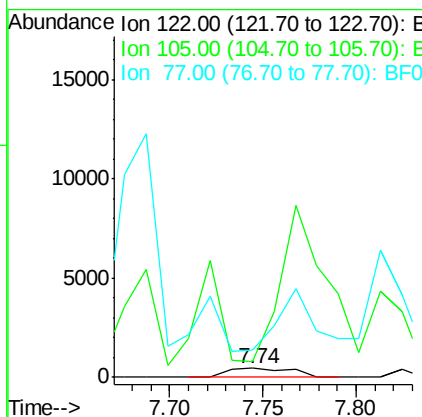
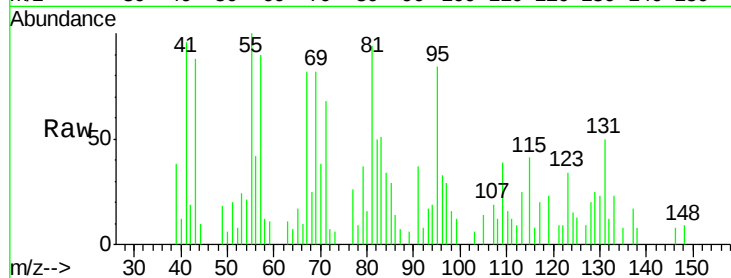




#32
Benzoic acid
Concen: 5.20 ng
RT: 7.74 min Scan# 530
Delta R.T. -0.03 min
Lab File: BF091134.D
Acq: 9 Nov 2016 19:50

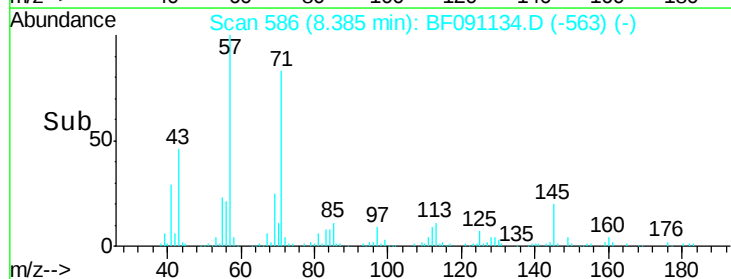
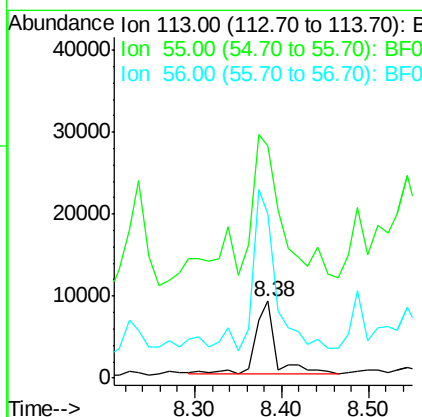
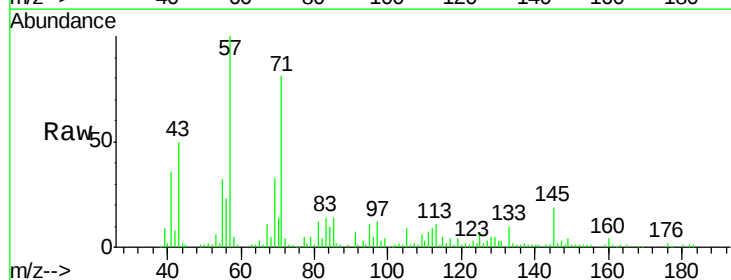
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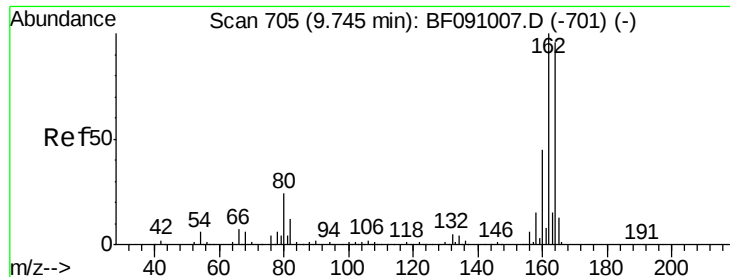
Tgt Ion:122 Resp: 1132
Ion Ratio Lower Upper
122 100
105 166.1 105.9 145.9#
77 296.6 84.0 124.0#



#35
Caprolactam
Concen: 5.11 ng
RT: 8.38 min Scan# 586
Delta R.T. -0.03 min
Lab File: BF091134.D
Acq: 9 Nov 2016 19:50

Tgt Ion:113 Resp: 14121
Ion Ratio Lower Upper
113 100
55 300.4 184.1 224.1#
56 213.1 132.0 172.0#

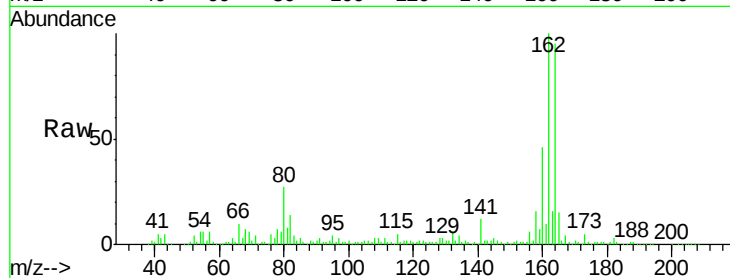




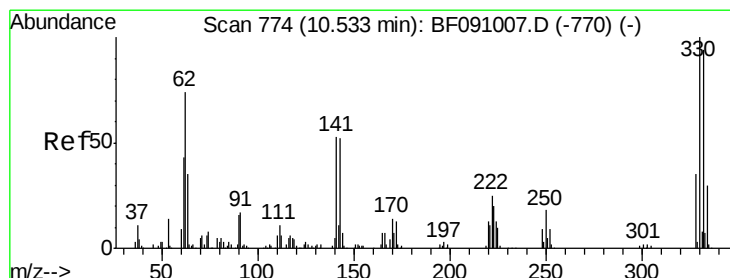
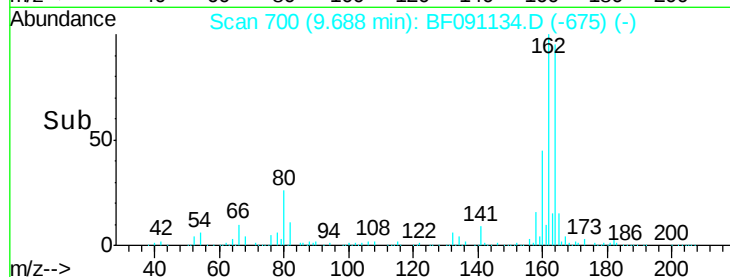
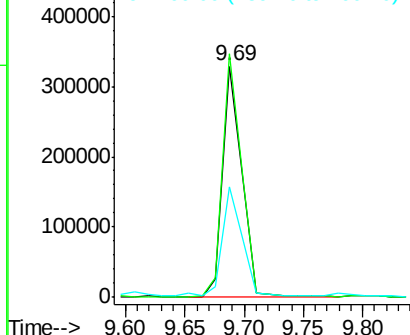
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.69 min Scan# 700
 Delta R.T. -0.01 min
 Lab File: BF091134.D
 Acq: 9 Nov 2016 19:50

Instrument :
 BNA_F
 ClientSampleId :
 MW-104

Tgt Ion:164 Resp: 364746
 Ion Ratio Lower Upper
 164 100
 162 105.3 83.6 125.4
 160 48.0 37.9 56.9

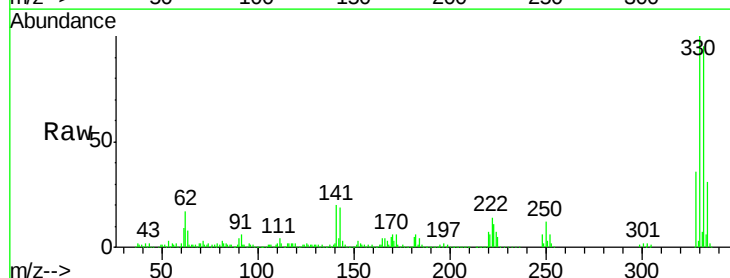


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

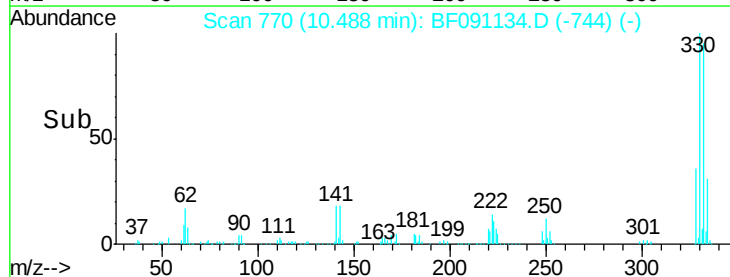
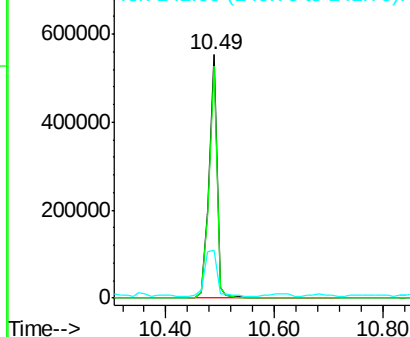


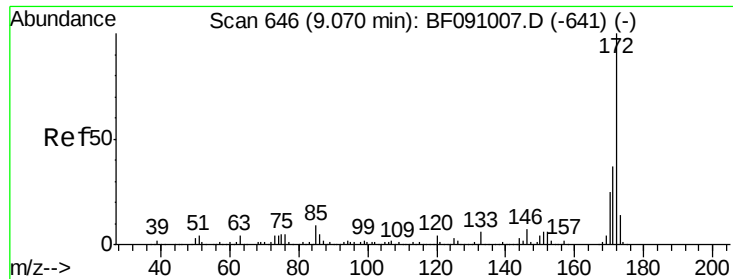
#41
 2,4,6-Tribromophenol
 Concen: 169.14 ng
 RT: 10.49 min Scan# 770
 Delta R.T. -0.00 min
 Lab File: BF091134.D
 Acq: 9 Nov 2016 19:50

Tgt Ion:330 Resp: 557746
 Ion Ratio Lower Upper
 330 100
 332 95.5 75.9 113.9
 141 29.5 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: 93.48 ng

RT: 9.02 min Scan# 642

Delta R.T. -0.01 min

Lab File: BF091134.D

Acq: 9 Nov 2016 19:50

Instrument :

BNA_F

ClientSampleId :

MW-104

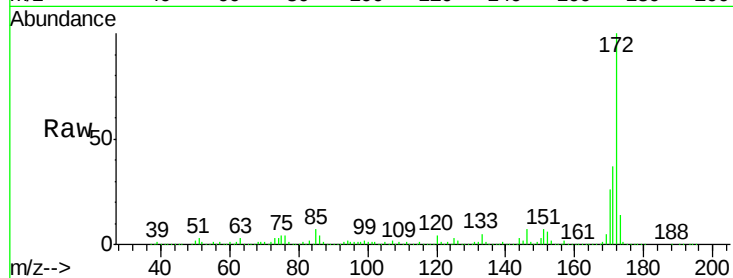
Tgt Ion:172 Resp: 1980438

Ion Ratio Lower Upper

172 100

171 37.4 29.8 44.6

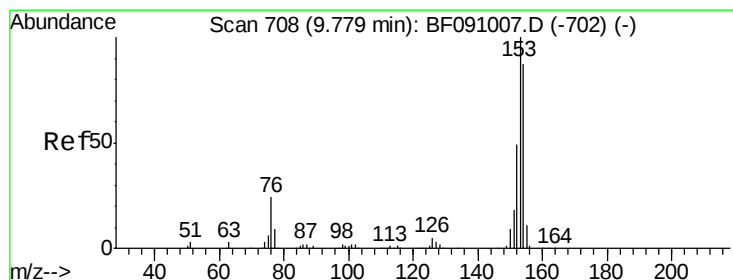
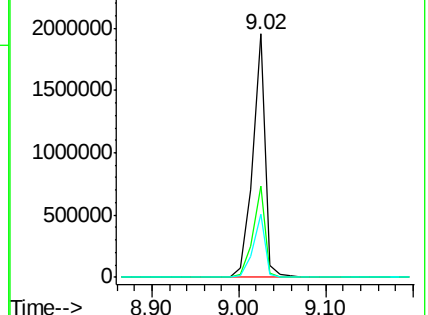
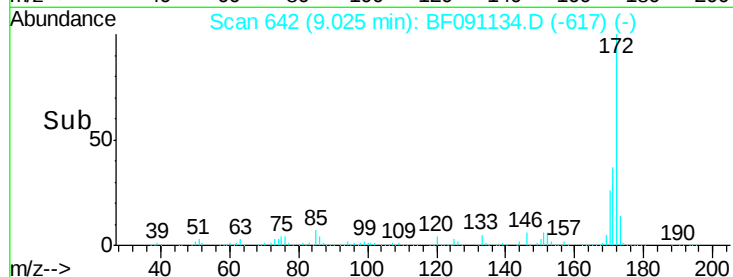
170 25.8 20.3 30.5



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



#51

Acenaphthene

Concen: 2.45 ng

RT: 9.72 min Scan# 703

Delta R.T. -0.01 min

Lab File: BF091134.D

Acq: 9 Nov 2016 19:50

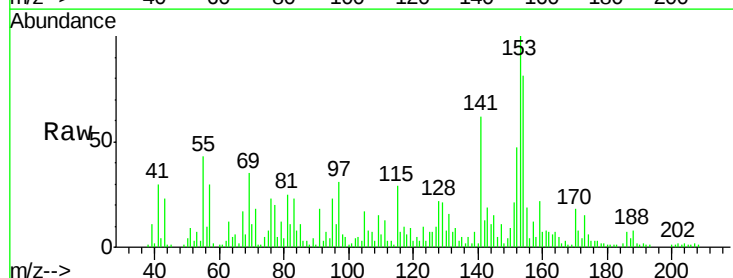
Tgt Ion:154 Resp: 48509

Ion Ratio Lower Upper

154 100

153 122.9 91.6 137.4

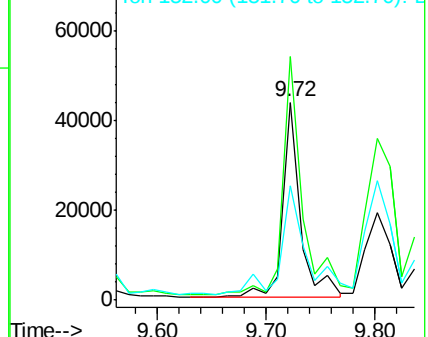
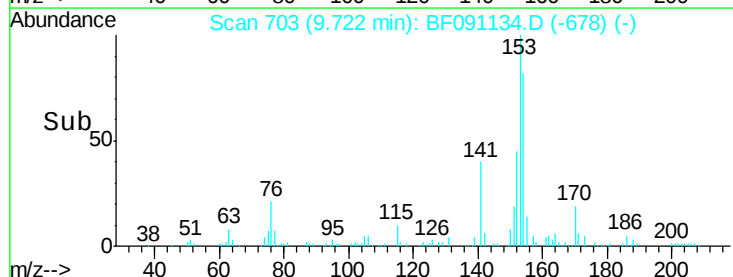
152 57.4 44.6 67.0

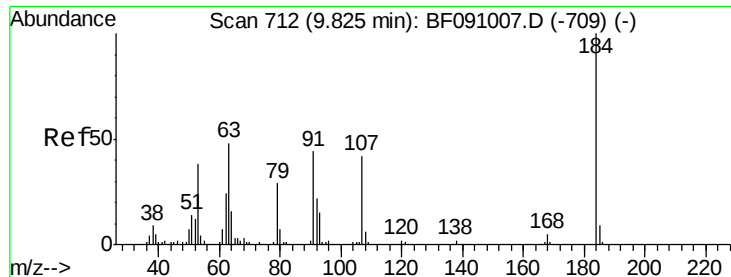


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

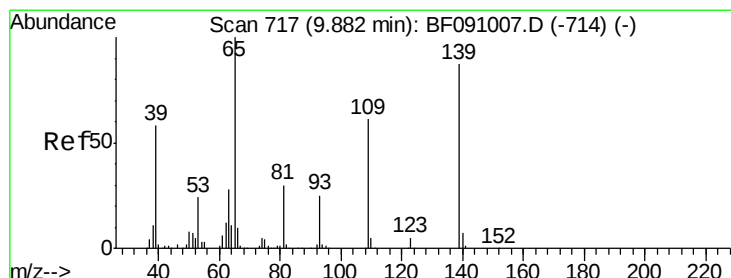
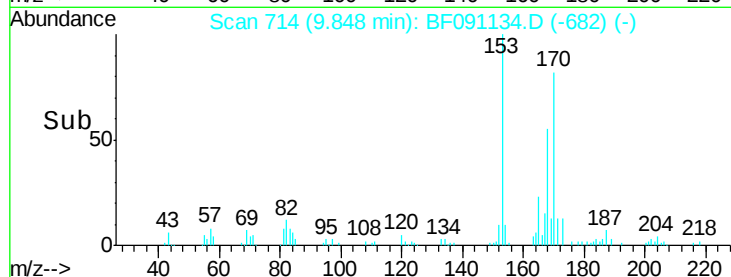
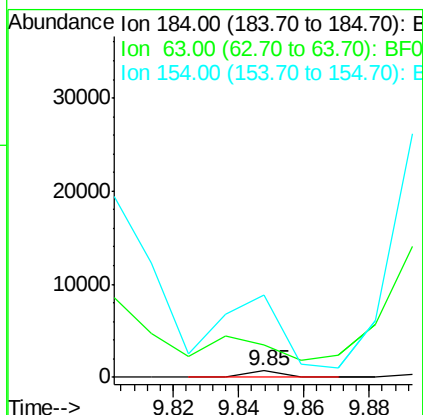
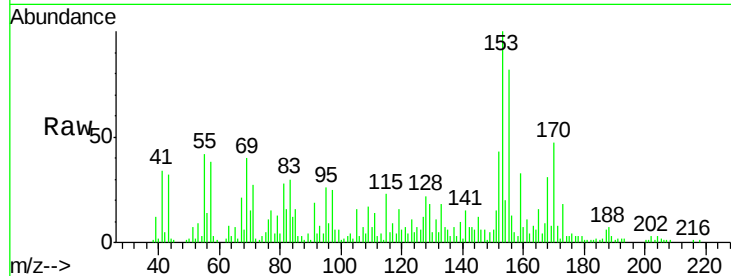




#53
 2,4-Dinitrophenol
 Concen: 6.42 ng
 RT: 9.85 min Scan# 714
 Delta R.T. 0.07 min
 Lab File: BF091134.D
 Acq: 9 Nov 2016 19:50

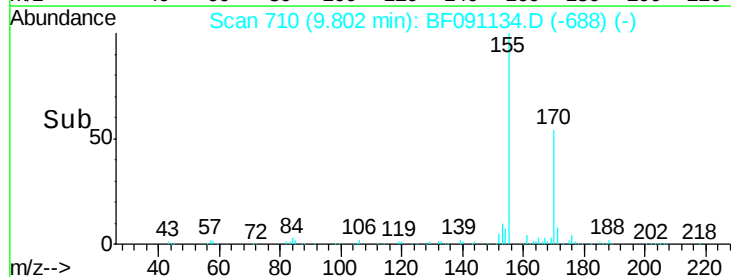
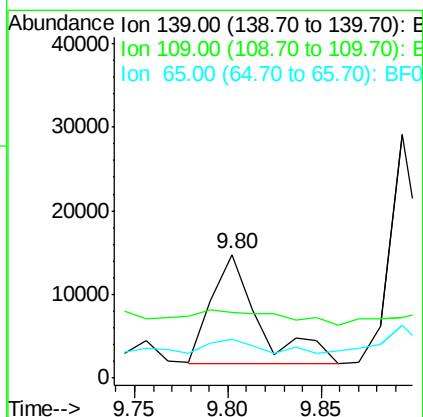
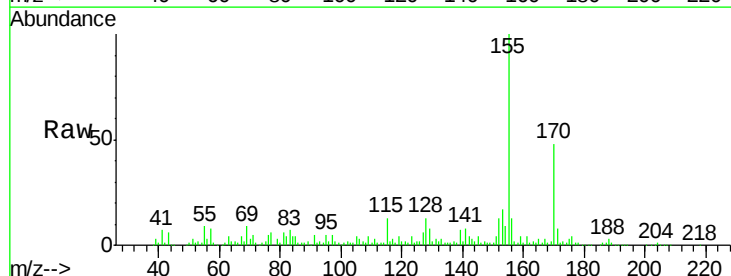
Instrument :
 BNA_F
 ClientSampleId :
 MW-104

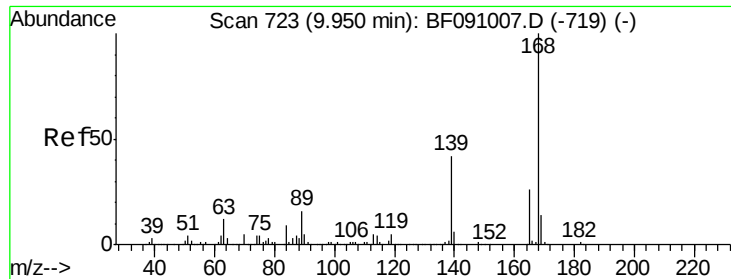
Tgt Ion:184 Resp: 498
 Ion Ratio Lower Upper
 184 100
 63 484.0 45.5 68.3#
 154 1212.3 51.0 76.4#



#55
 4-Nitrophenol
 Concen: 11.05 ng
 RT: 9.80 min Scan# 710
 Delta R.T. -0.05 min
 Lab File: BF091134.D
 Acq: 9 Nov 2016 19:50

Tgt Ion:139 Resp: 23207
 Ion Ratio Lower Upper
 139 100
 109 53.5 50.5 90.5
 65 31.2 97.1 137.1#

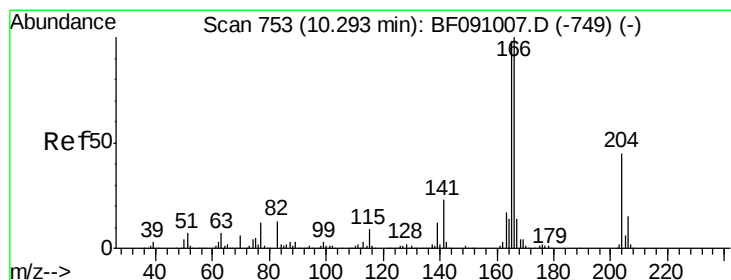
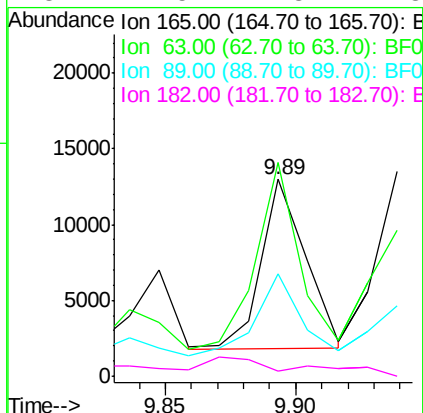
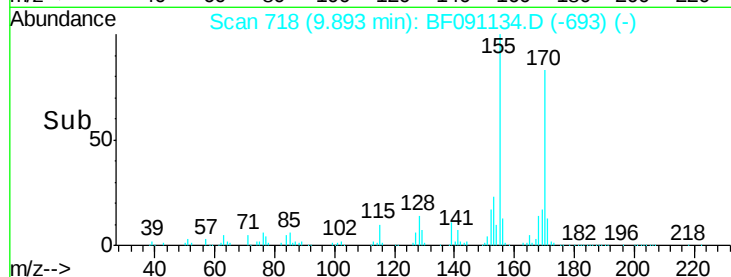
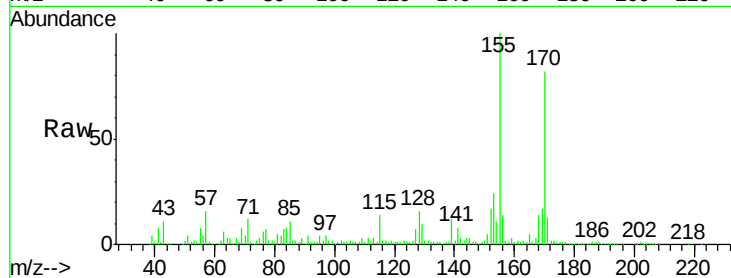




#56
2,4-Dinitrotoluene
Concen: 2.05 ng
RT: 9.89 min Scan# 718
Delta R.T. -0.01 min
Lab File: BF091134.D
Acq: 9 Nov 2016 19:50

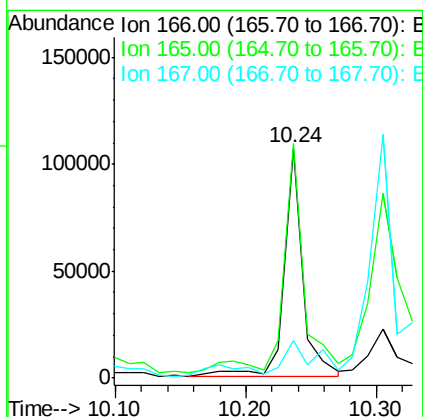
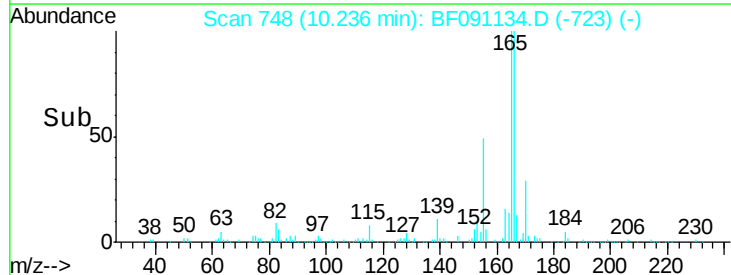
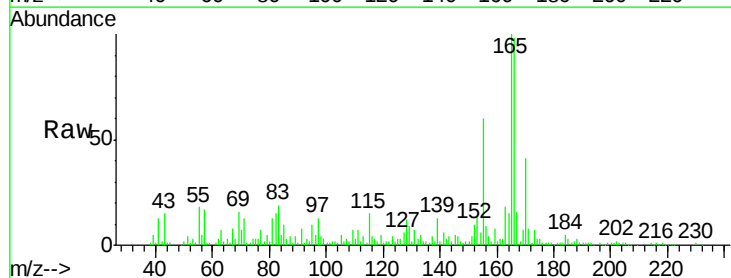
Instrument :
BNA_F
ClientSampleId :
MW-104

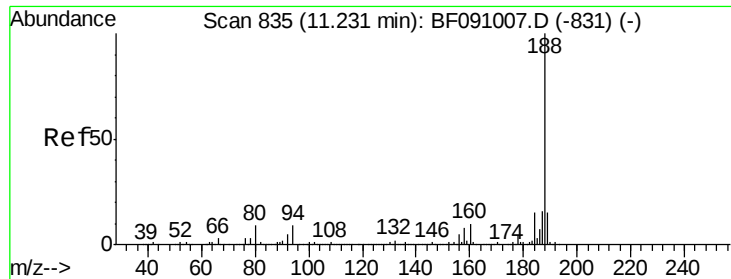
Tgt Ion:165 Resp: 13357
Ion Ratio Lower Upper
165 100
63 108.4 38.7 58.1#
89 52.3 50.6 76.0
182 2.5 1.8 2.8



#57
Fluorene
Concen: 4.85 ng
RT: 10.24 min Scan# 748
Delta R.T. -0.01 min
Lab File: BF091134.D
Acq: 9 Nov 2016 19:50

Tgt Ion:166 Resp: 105536
Ion Ratio Lower Upper
166 100
165 102.0 78.6 118.0
167 16.2 11.1 16.7

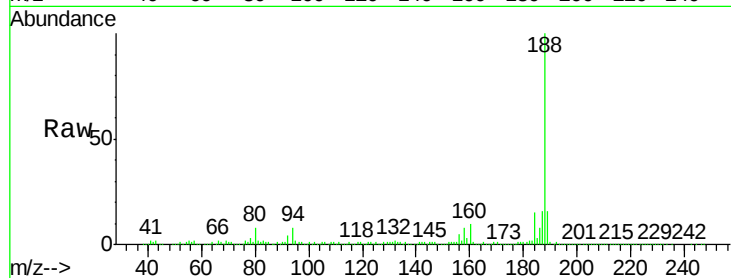




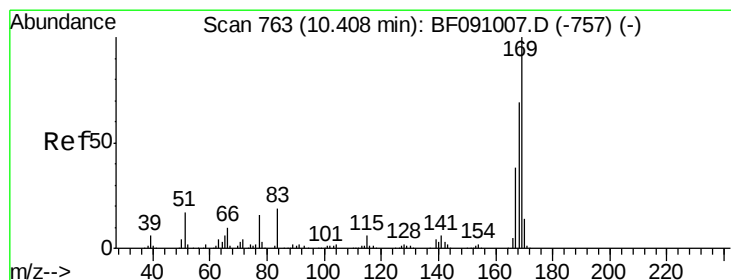
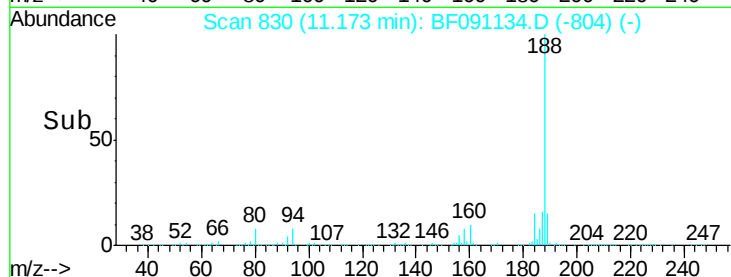
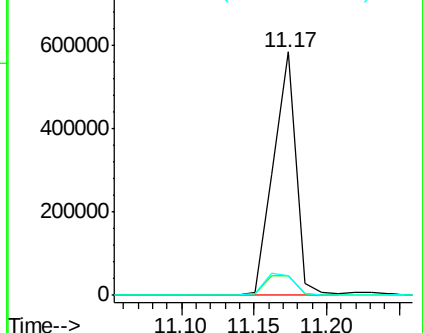
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.17 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF091134.D
Acq: 9 Nov 2016 19:50

Instrument :
BNA_F
ClientSampleId :
MW-104

Tgt Ion:188 Resp: 630942
Ion Ratio Lower Upper
188 100
94 7.9 7.0 10.4
80 8.0 7.5 11.3

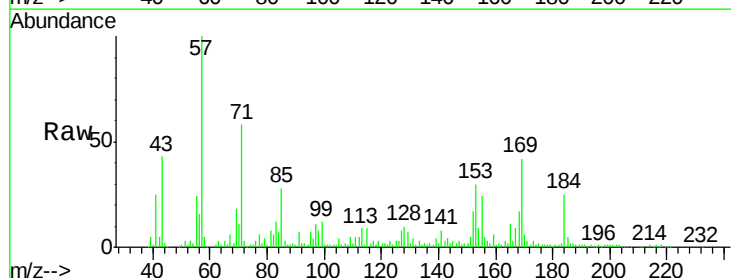


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

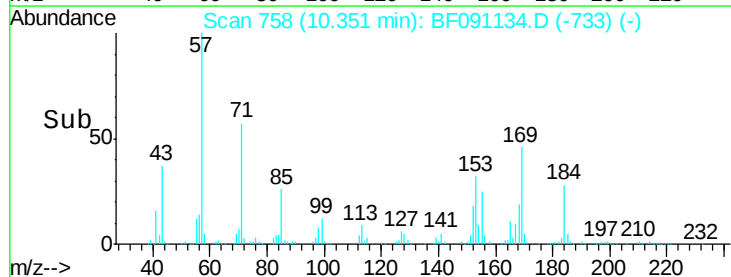
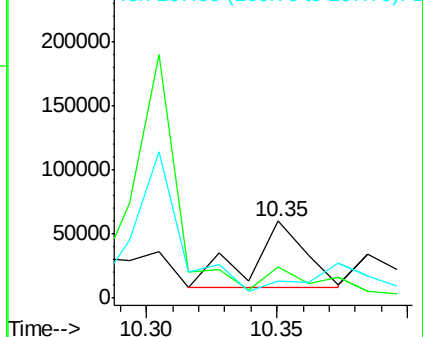


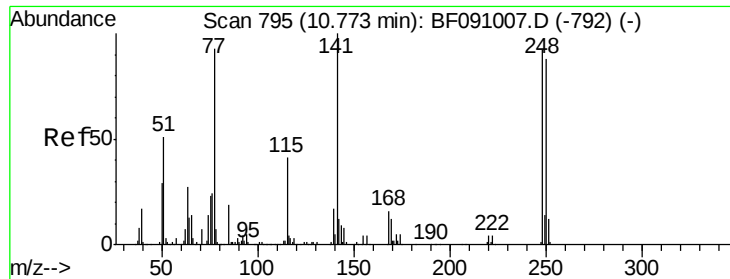
#65
n-Nitrosodiphenylamine
Concen: 3.68 ng
RT: 10.35 min Scan# 758
Delta R.T. -0.01 min
Lab File: BF091134.D
Acq: 9 Nov 2016 19:50

Tgt Ion:169 Resp: 73766
Ion Ratio Lower Upper
169 100
168 40.4 55.3 82.9#
167 21.5 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

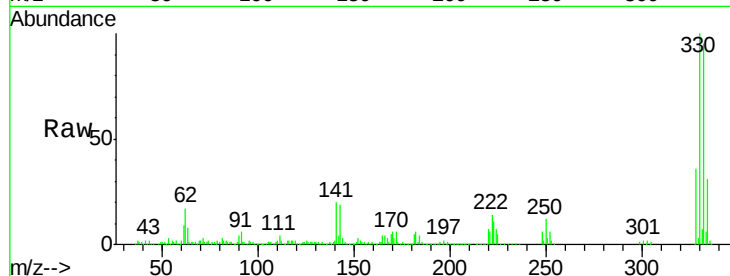




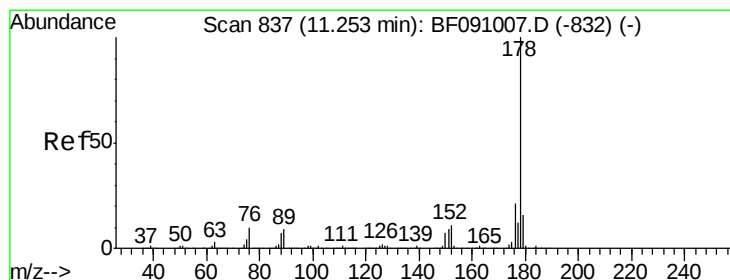
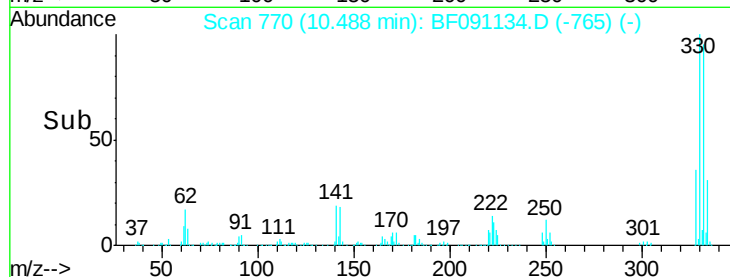
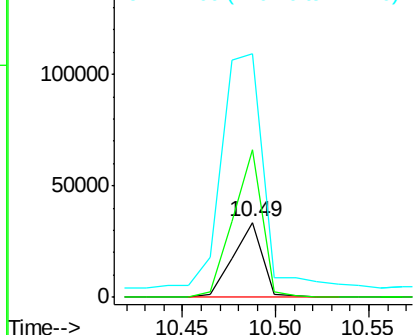
#66
4-Bromophenyl-phenylether
Concen: 5.69 ng
RT: 10.49 min Scan# 770
Delta R.T. -0.24 min
Lab File: BF091134.D
Acq: 9 Nov 2016 19:50

Instrument :
BNA_F
ClientSampleId :
MW-104

Tgt Ion:248 Resp: 37323
Ion Ratio Lower Upper
248 100
250 195.9 76.3 114.5#
141 323.4 86.8 130.2#

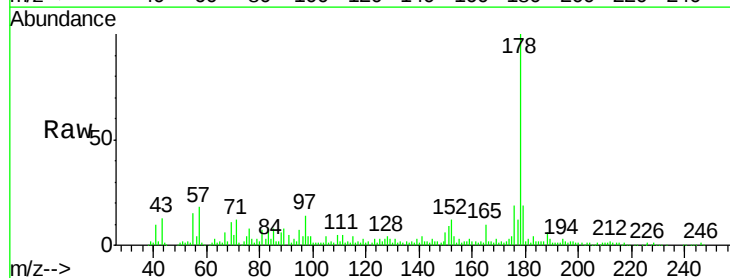


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

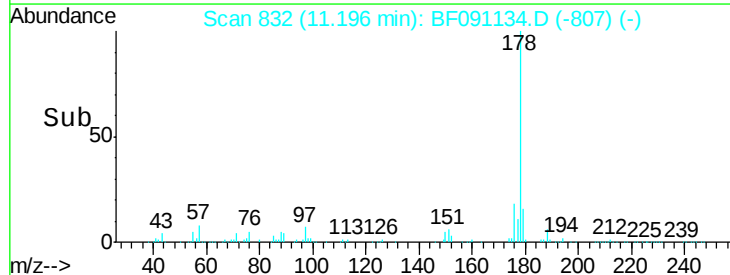
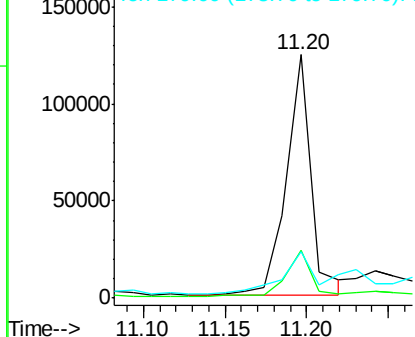


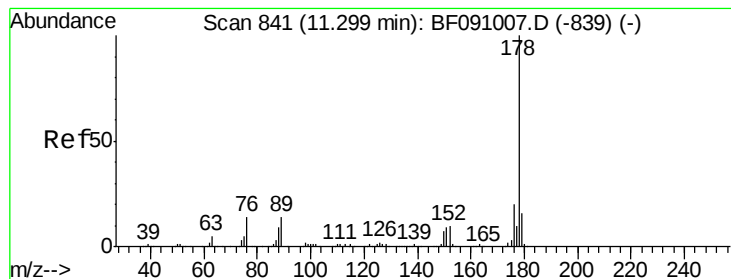
#70
Phenanthrene
Concen: 3.91 ng
RT: 11.20 min Scan# 832
Delta R.T. -0.01 min
Lab File: BF091134.D
Acq: 9 Nov 2016 19:50

Tgt Ion:178 Resp: 131021
Ion Ratio Lower Upper
178 100
176 19.4 16.6 25.0
179 18.9 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: 3.67 ng

RT: 11.20 min Scan# 832

Delta R.T. -0.06 min

Lab File: BF091134.D

Acq: 9 Nov 2016 19:50

Instrument :

BNA_F

ClientSampleId :

MW-104

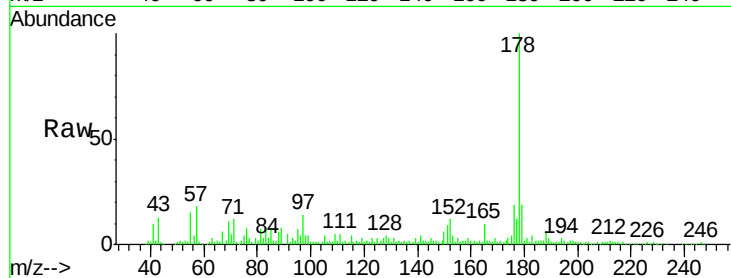
Tgt Ion:178 Resp: 131021

Ion Ratio Lower Upper

178 100

176 19.4 16.0 24.0

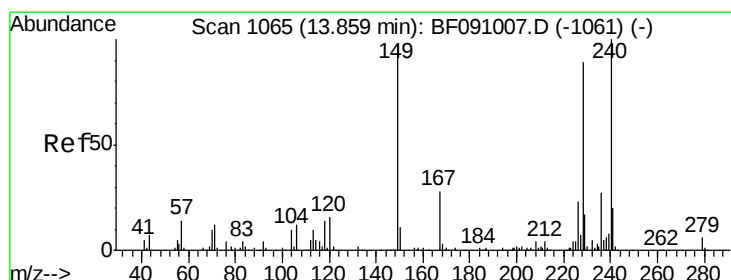
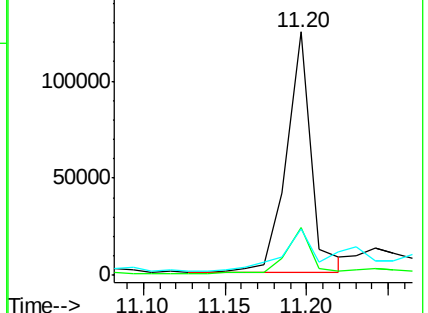
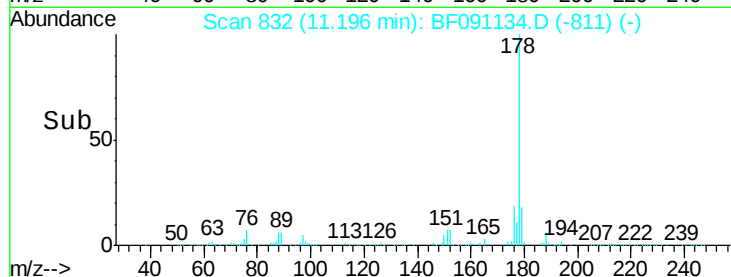
179 18.9 13.0 19.6



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: 13.80 min Scan# 1060

Delta R.T. -0.01 min

Lab File: BF091134.D

Acq: 9 Nov 2016 19:50

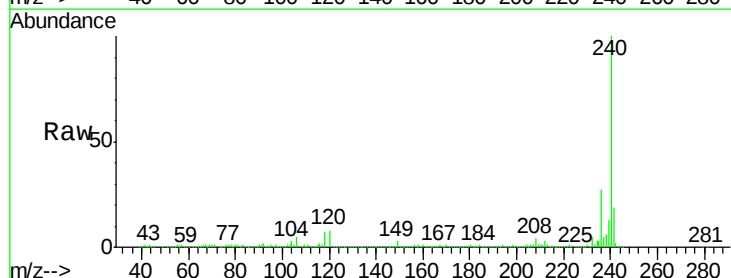
Tgt Ion:240 Resp: 491020

Ion Ratio Lower Upper

240 100

120 8.1 12.9 19.3#

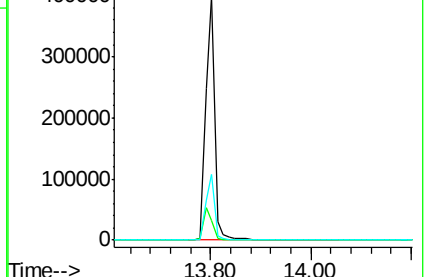
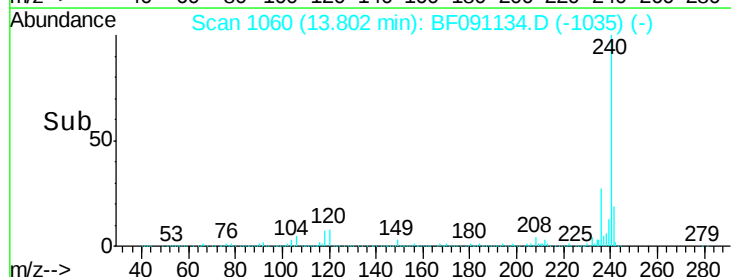
236 27.0 21.9 32.9

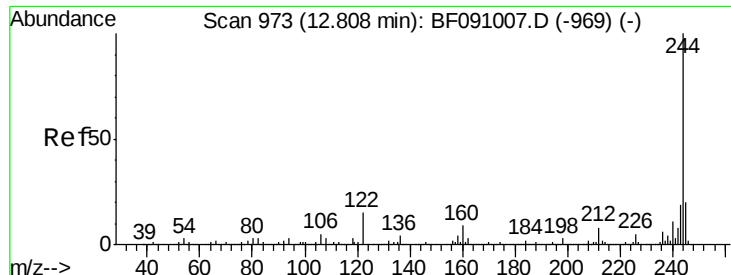


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 107.04 ng

RT: 12.76 min Scan# 969

Delta R.T. -0.00 min

Lab File: BF091134.D

Acq: 9 Nov 2016 19:50

Instrument :

BNA_F

ClientSampleId :

MW-104

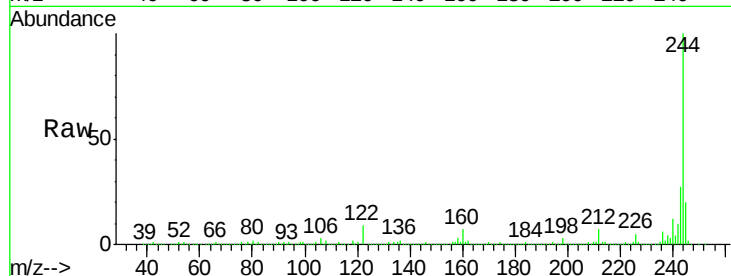
Tgt Ion:244 Resp: 2106094

Ion Ratio Lower Upper

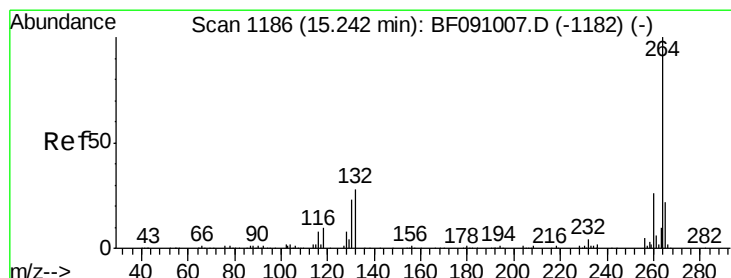
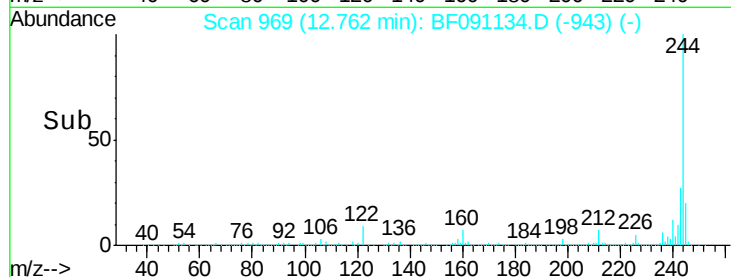
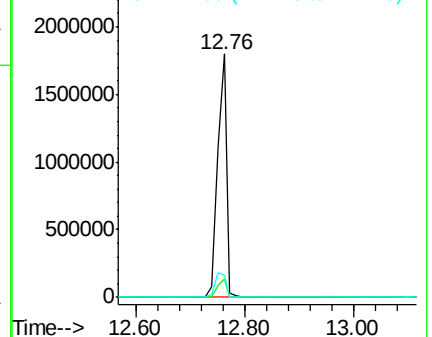
244 100

212 7.4 6.4 9.6

122 9.4 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: 15.17 min Scan# 1180

Delta R.T. -0.01 min

Lab File: BF091134.D

Acq: 9 Nov 2016 19:50

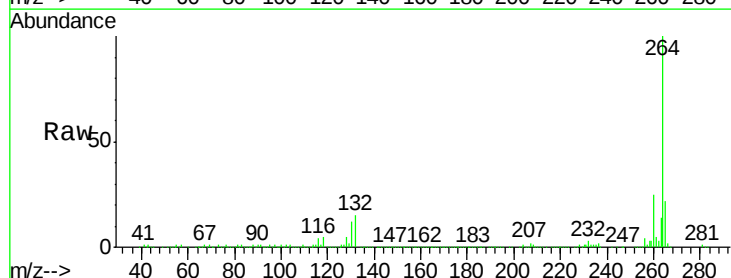
Tgt Ion:264 Resp: 353482

Ion Ratio Lower Upper

264 100

260 25.0 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

