

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051316\
 Data File : BF087009.D
 Acq On : 14 May 2016 9:55
 Operator : UM/SJ
 Sample : H2947-07
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-13

Quant Time: May 16 01:04:02 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 13 14:55:23 2016
 Response via : Initial Calibration

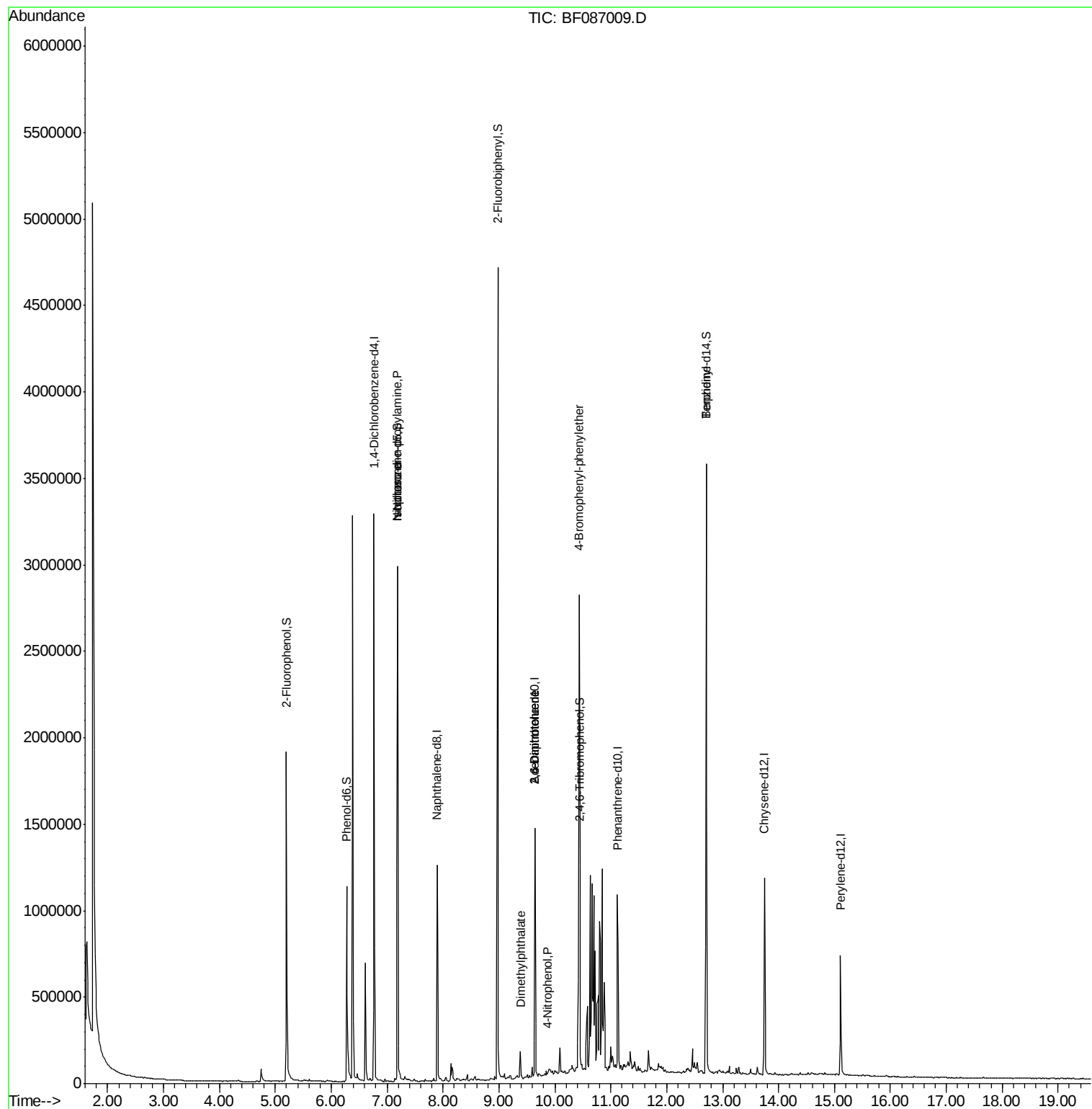
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	451363	20.00	ng	0.07
21) Naphthalene-d8	7.90	136	548326	20.00	ng	-0.09
38) Acenaphthene-d10	9.64	164	269007	20.00	ng	-0.09
63) Phenanthrene-d10	11.12	188	472233	20.00	ng	-0.09
75) Chrysene-d12	13.75	240	372548	20.00	ng	-0.09
86) Perylene-d12	15.11	264	283276	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	512992	19.25	ng	-0.09
7) Phenol-d6	6.27	99	441884	12.41	ng	-0.09
23) Nitrobenzene-d5	7.19	82	996096	91.22	ng	-0.08
41) 2,4,6-Tribromophenol	10.44	330	371877	130.58	ng	-0.08
44) 2-Fluorobiphenyl	8.98	172	1517209	94.79	ng	-0.08
78) Terphenyl-d14	12.71	244	1283795	73.11	ng	-0.09
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.19	70	143918	5.78	ng	# 72
25) Isophorone	7.19	82	979007	48.32	ng	# 68
49) Dimethylphthalate	9.38	163	56439	2.75	ng	# 99
50) 2,6-Dinitrotoluene	9.64	165	33606	7.78	ng	# 22
55) 4-Nitrophenol	9.87	139	1858	5.14	ng	# 1
56) 2,4-Dinitrotoluene	9.64	165	33600	6.29	ng	# 17
66) 4-Bromophenyl-phenylether	10.43	248	22163	4.63	ng	# 1
76) Benzidine	12.71	184	20208	2.13	ng	# 96

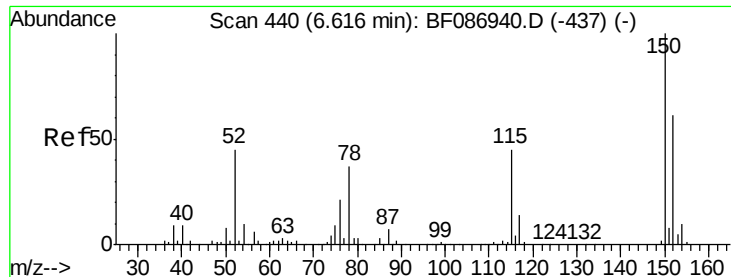
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 453

Delta R.T. 0.07 min

Lab File: BF087009.D

Acq: 14 May 2016 9:55

Instrument :

BNA_F

ClientSampled :

MW-13

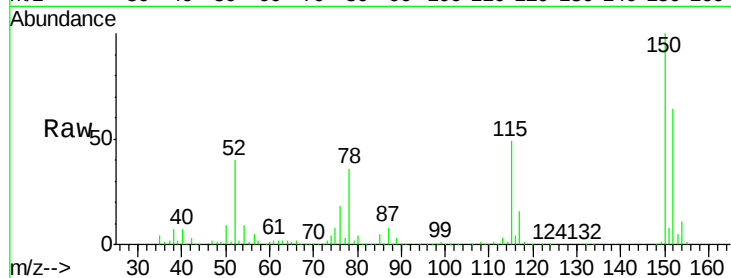
Tgt Ion:152 Resp: 451363

Ion Ratio Lower Upper

152 100

150 155.8 125.8 188.6

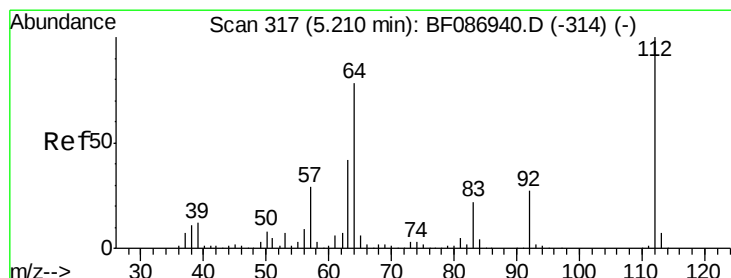
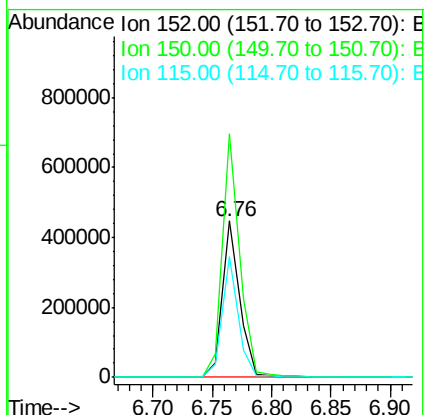
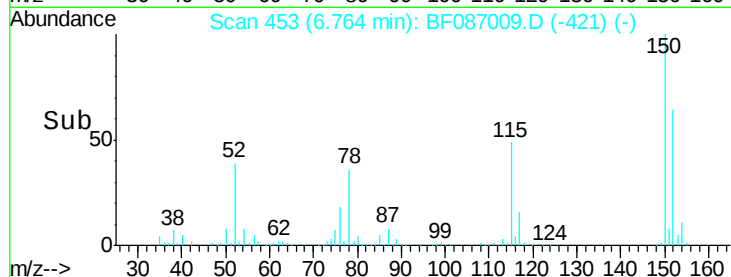
115 77.0 51.5 77.3



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: 19.25 ng

RT: 5.20 min Scan# 316

Delta R.T. -0.09 min

Lab File: BF087009.D

Acq: 14 May 2016 9:55

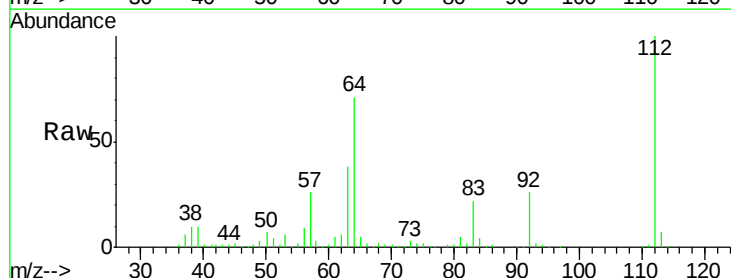
Tgt Ion:112 Resp: 512992

Ion Ratio Lower Upper

112 100

64 70.7 52.1 78.1

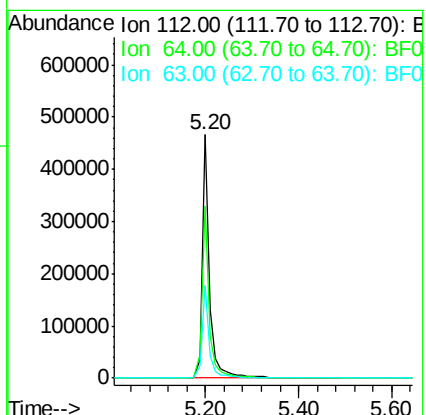
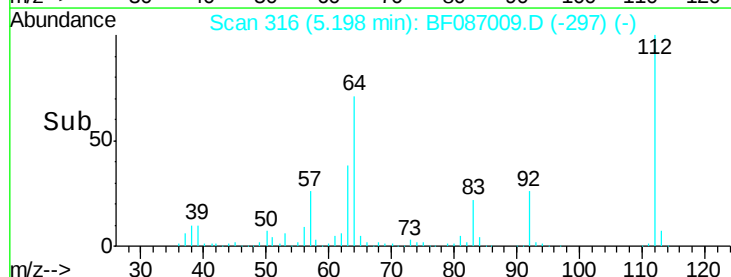
63 38.2 25.7 38.5

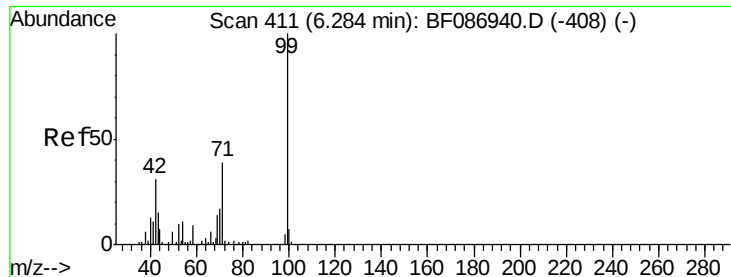


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 12.41 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.09 min

Lab File: BF087009.D

Acq: 14 May 2016 9:55

Instrument :

BNA_F

ClientSampleId :

MW-13

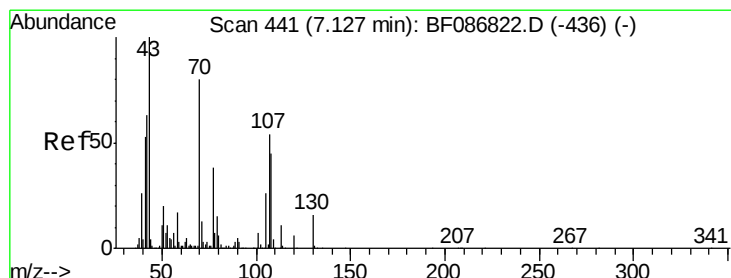
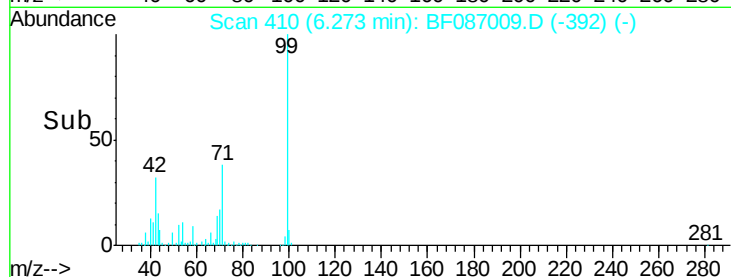
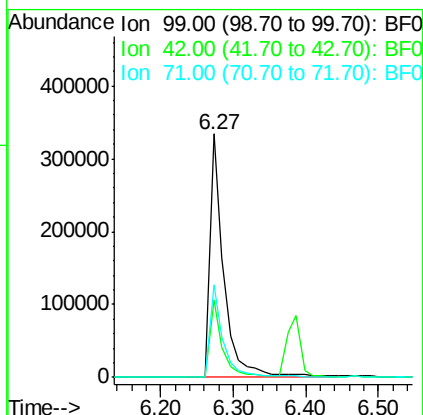
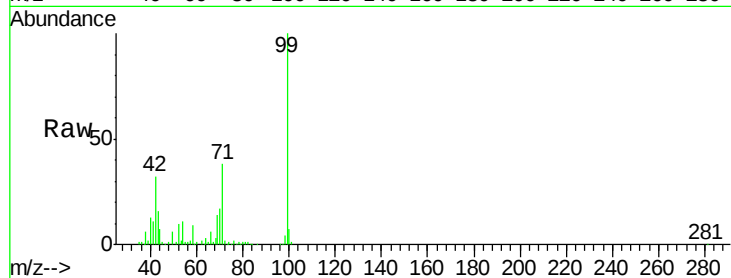
Tgt Ion: 99 Resp: 441884

Ion Ratio Lower Upper

99 100

42 31.8 13.6 20.4#

71 38.1 24.6 36.8#



#19

n-Nitroso-di-n-propylamine

Concen: 5.78 ng

RT: 7.19 min Scan# 490

Delta R.T. 0.06 min

Lab File: BF087009.D

Acq: 14 May 2016 9:55

Tgt Ion: 70 Resp: 143918

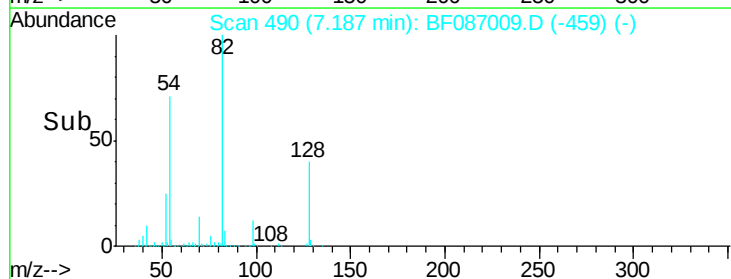
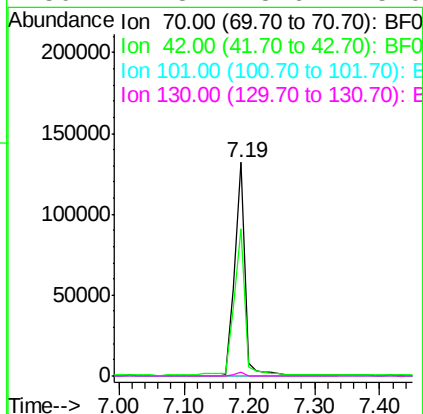
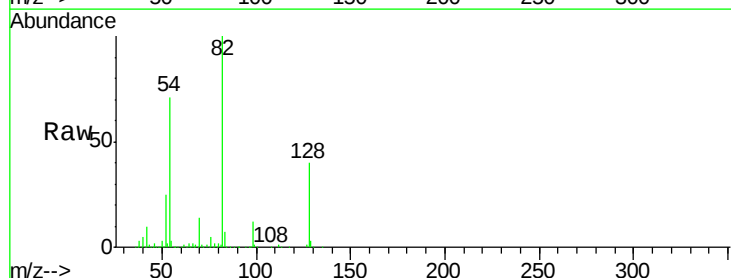
Ion Ratio Lower Upper

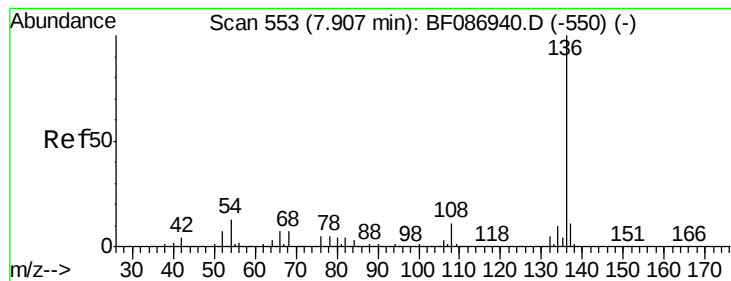
70 100

42 68.9 43.1 64.7#

101 0.0 8.1 12.1#

130 1.8 18.6 28.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 552

Delta R.T. -0.09 min

Lab File: BF087009.D

Acq: 14 May 2016 9:55

Instrument :

BNA_F

ClientSampleId :

MW-13

Tgt Ion: 136 Resp: 548326

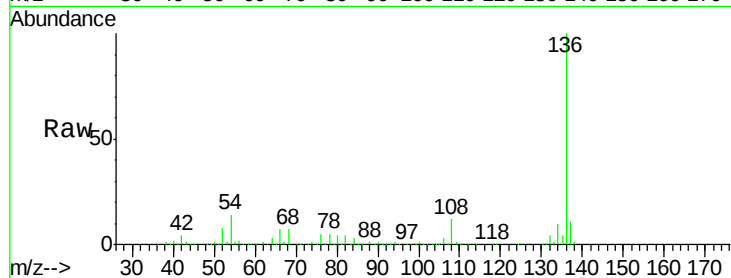
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 13.6 5.0 7.4#

68 7.3 4.4 6.6#

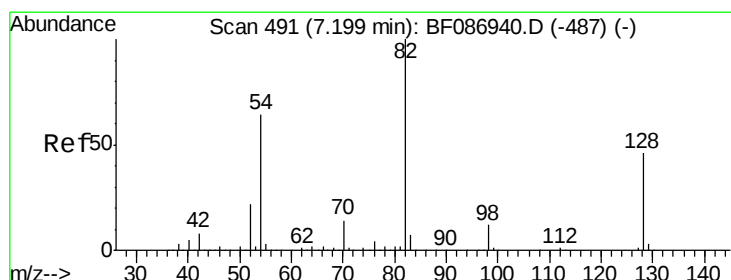
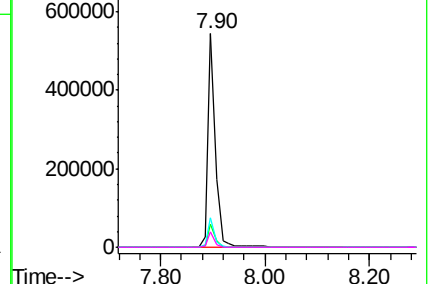
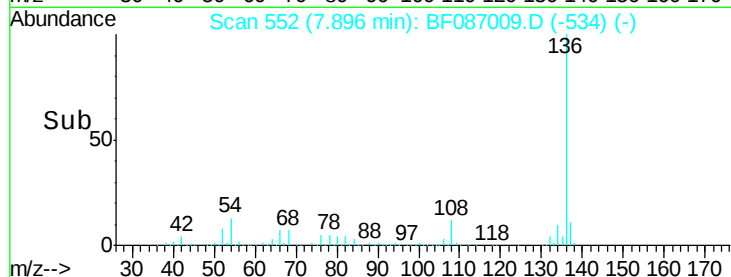


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 91.22 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.08 min

Lab File: BF087009.D

Acq: 14 May 2016 9:55

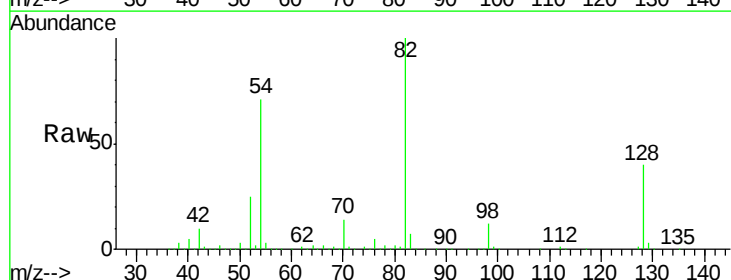
Tgt Ion: 82 Resp: 996096

Ion Ratio Lower Upper

82 100

128 39.8 40.6 61.0#

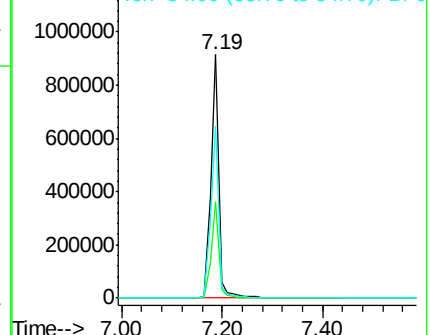
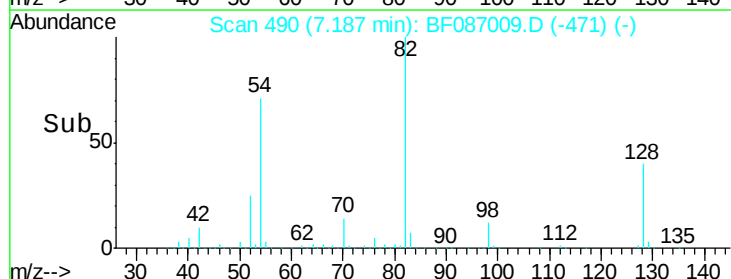
54 70.6 38.1 57.1#

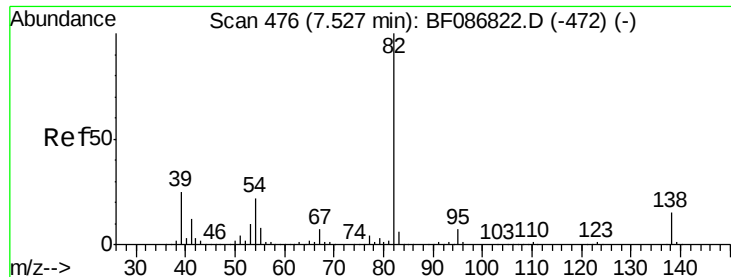


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 48.32 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.34 min

Lab File: BF087009.D

Acq: 14 May 2016 9:55

Instrument :

BNA_F

ClientSampleId :

MW-13

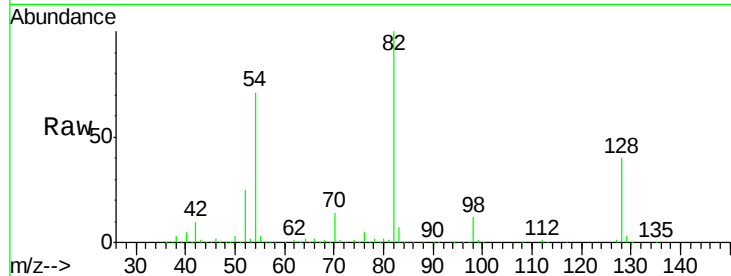
Tgt Ion: 82 Resp: 979007

Ion Ratio Lower Upper

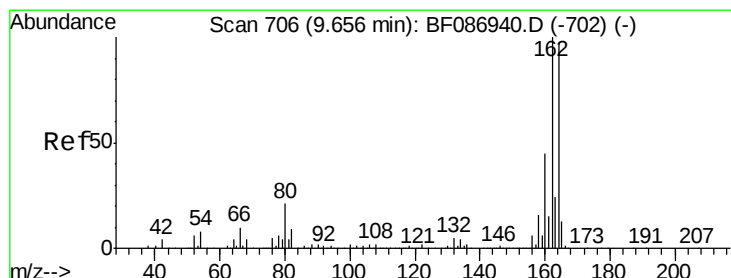
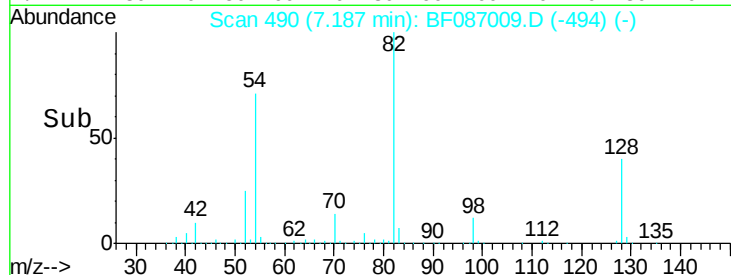
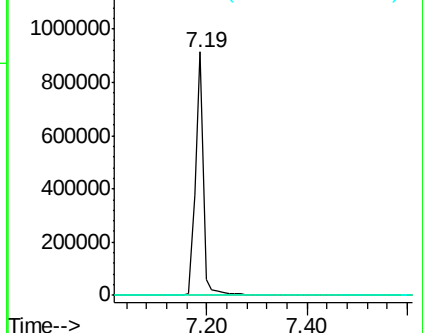
82 100

95 0.0 5.1 7.7#

138 0.0 12.4 18.6#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.09 min

Lab File: BF087009.D

Acq: 14 May 2016 9:55

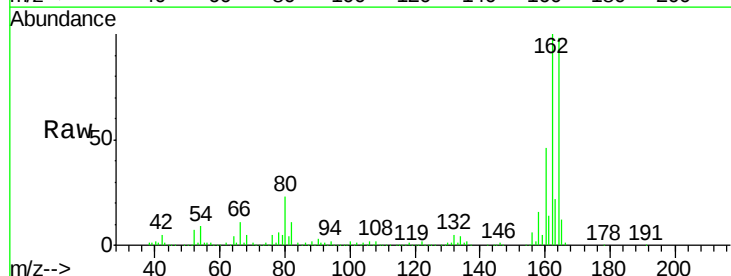
Tgt Ion: 164 Resp: 269007

Ion Ratio Lower Upper

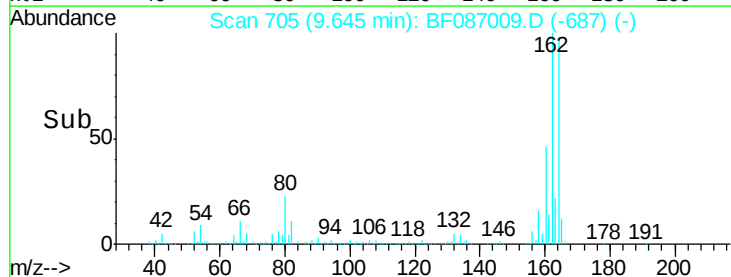
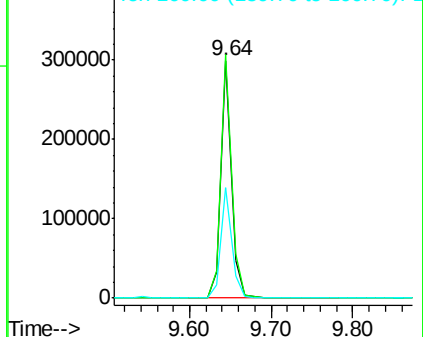
164 100

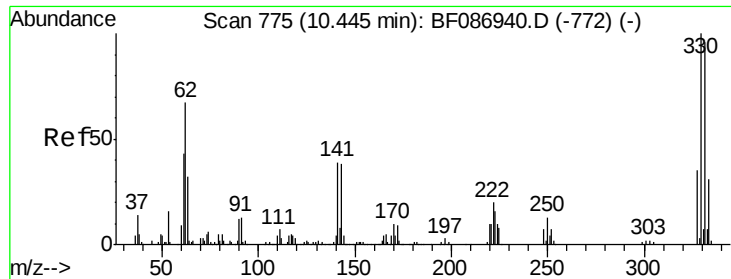
162 102.4 82.8 124.2

160 46.7 36.9 55.3



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

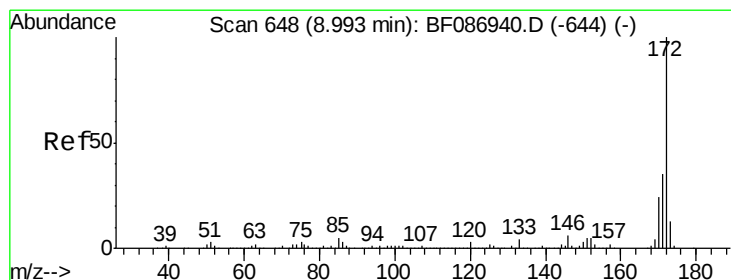
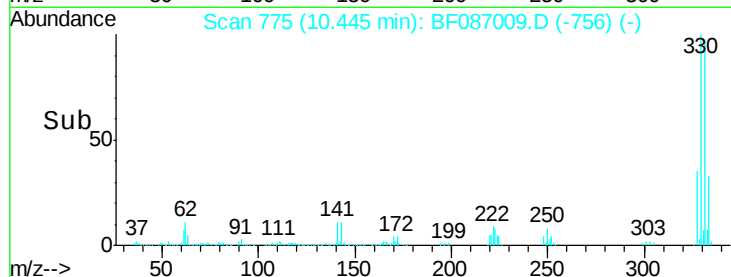
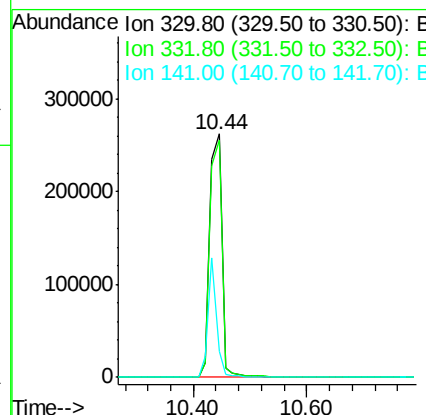
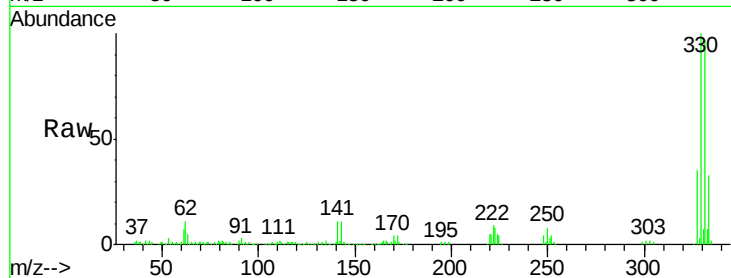




#41
 2,4,6-Tribromophenol
 Concen: 130.58 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.08 min
 Lab File: BF087009.D
 Acq: 14 May 2016 9:55

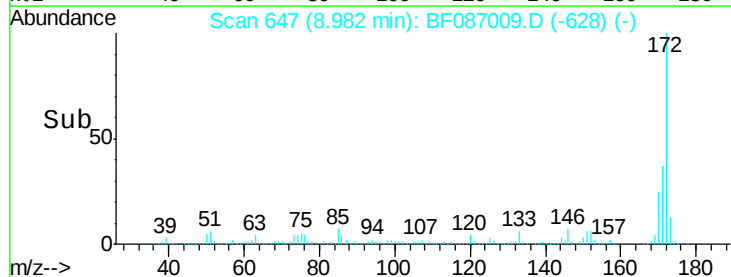
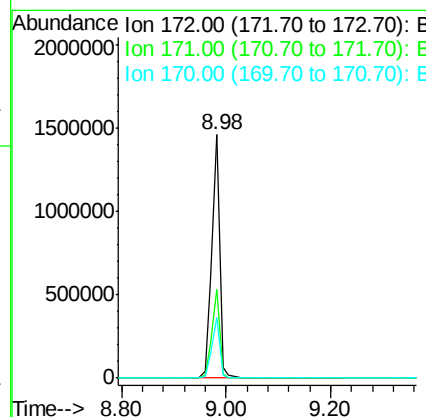
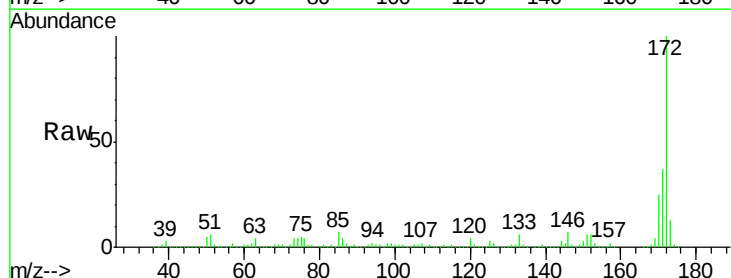
Instrument :
 BNA_F
 ClientSampleId :
 MW-13

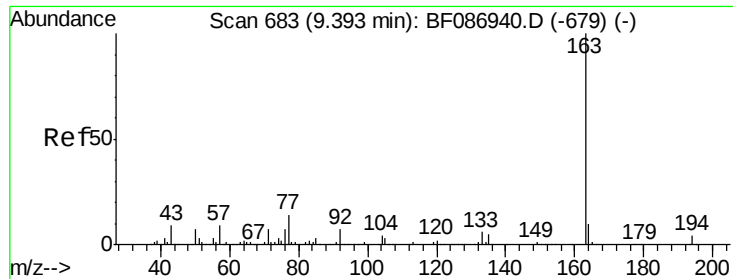
Tgt Ion:330 Resp: 371877
 Ion Ratio Lower Upper
 330 100
 332 97.0 79.0 118.4
 141 35.0 31.2 46.8



#44
 2-Fluorobiphenyl
 Concen: 94.79 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.08 min
 Lab File: BF087009.D
 Acq: 14 May 2016 9:55

Tgt Ion:172 Resp: 1517209
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.0 43.6
 170 24.8 19.8 29.8

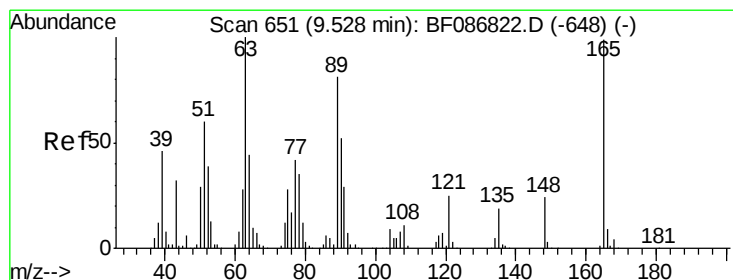
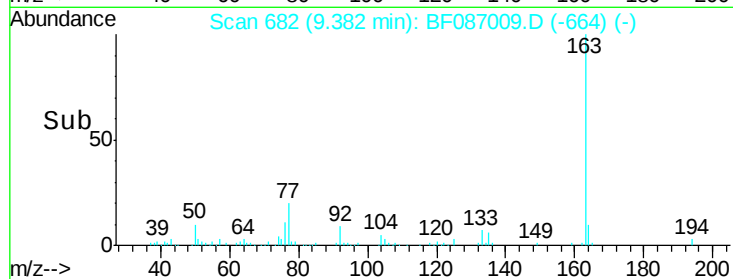
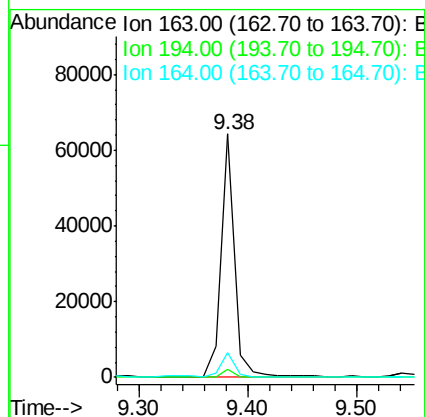
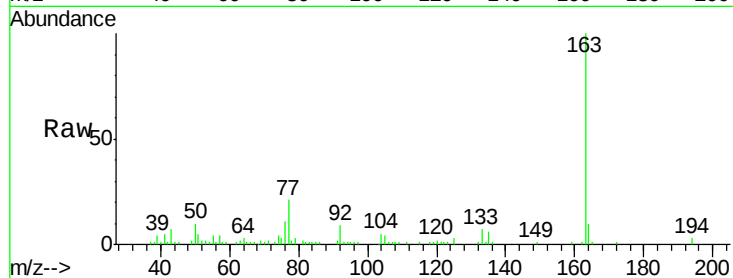




#49
Dimethylphthalate
Concen: 2.75 ng
RT: 9.38 min Scan# 682
Delta R.T. -0.09 min
Lab File: BF087009.D
Acq: 14 May 2016 9:55

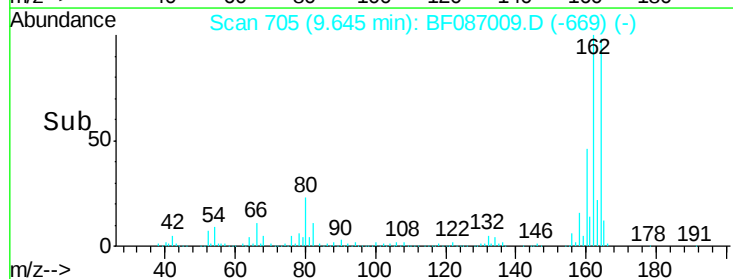
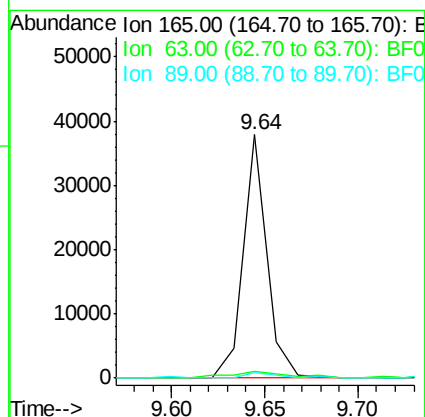
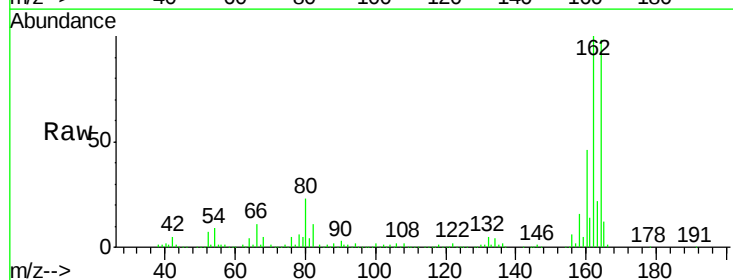
Instrument :
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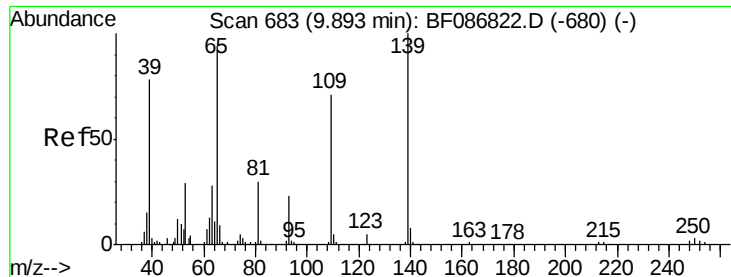
Tgt Ion:163 Resp: 56439
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 10.0 8.2 12.4



#50
2,6-Dinitrotoluene
Concen: 7.78 ng
RT: 9.64 min Scan# 705
Delta R.T. 0.12 min
Lab File: BF087009.D
Acq: 14 May 2016 9:55

Tgt Ion:165 Resp: 33606
Ion Ratio Lower Upper
165 100
63 2.9 51.8 77.8#
89 2.4 50.7 76.1#





#55

4-Nitrophenol

Concen: 5.14 ng

RT: 9.87 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF087009.D

Acq: 14 May 2016 9:55

Instrument :

BNA_F

ClientSampleId :

MW-13

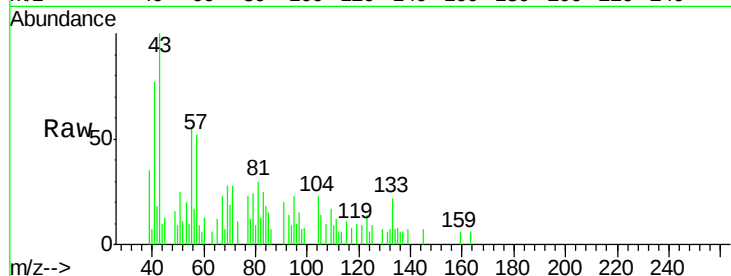
Tgt Ion:139 Resp: 1858

Ion Ratio Lower Upper

139 100

109 222.8 36.9 76.9#

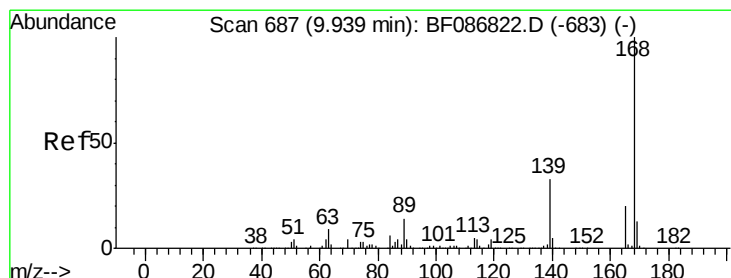
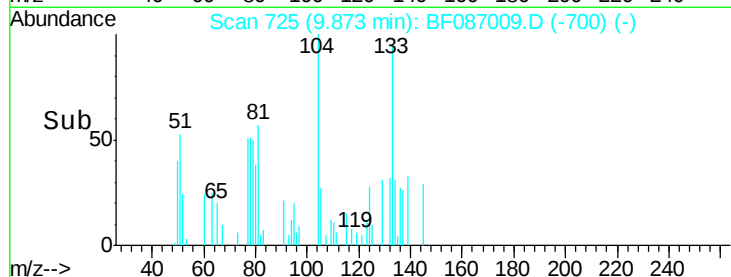
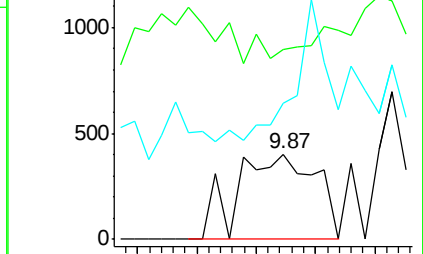
65 159.3 64.0 104.0#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 6.29 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.29 min

Lab File: BF087009.D

Acq: 14 May 2016 9:55

Tgt Ion:165 Resp: 33600

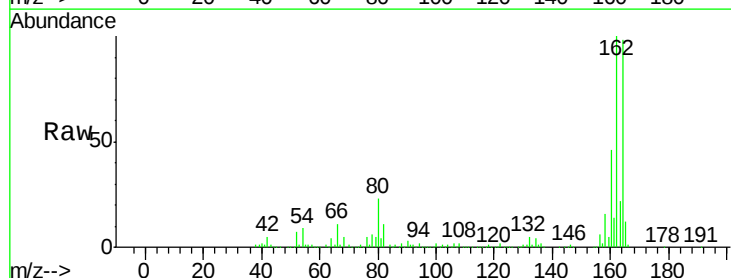
Ion Ratio Lower Upper

165 100

63 2.9 44.3 66.5#

89 2.4 70.0 105.0#

182 0.0 1.8 2.6#

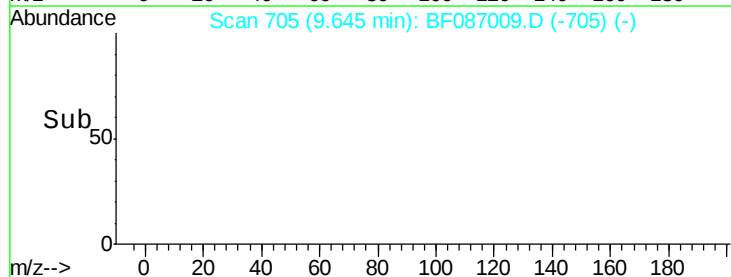
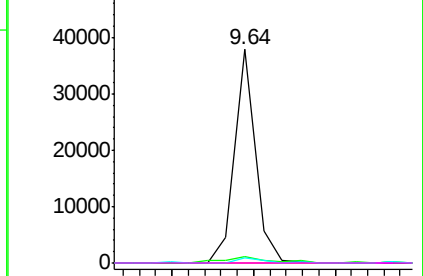


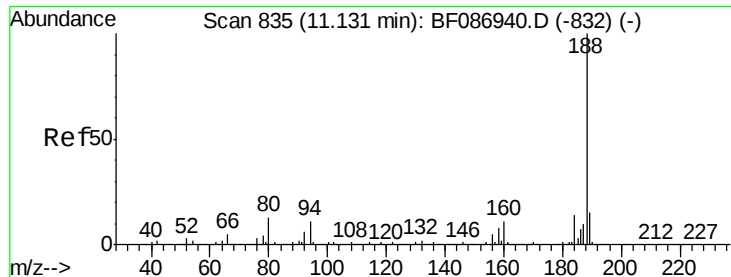
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.12 min Scan# 834

Delta R.T. -0.09 min

Lab File: BF087009.D

Acq: 14 May 2016 9:55

Instrument :

BNA_F

ClientSampleId :

MW-13

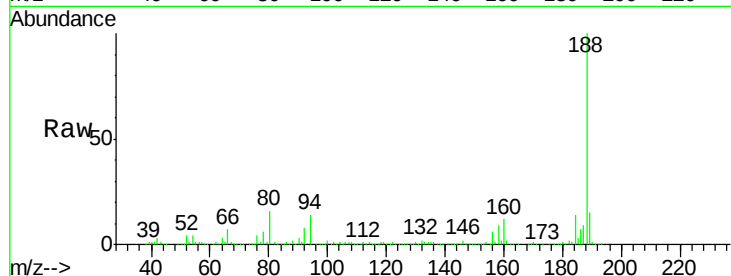
Tgt Ion:188 Resp: 472233

Ion Ratio Lower Upper

188 100

94 14.1 6.8 10.2#

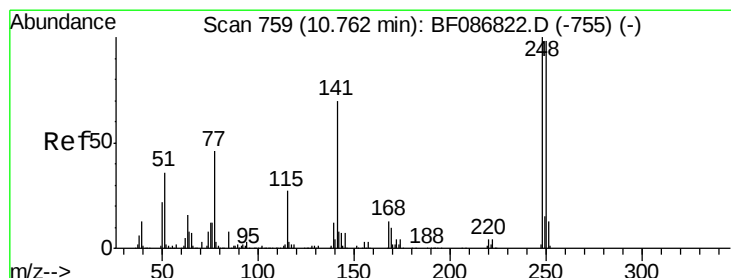
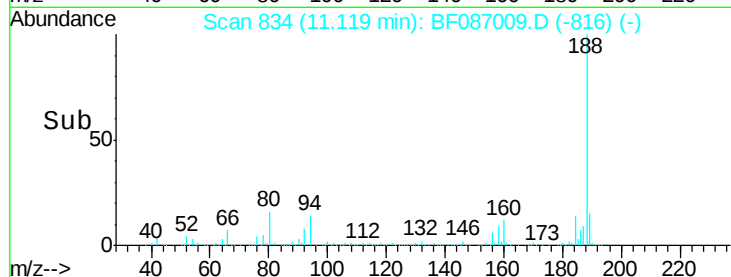
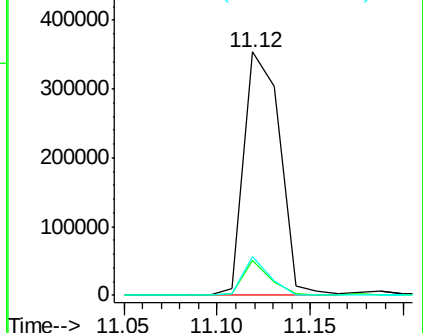
80 16.1 7.1 10.7#



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



#66

4-Bromophenyl-phenylether

Concen: 4.63 ng

RT: 10.43 min Scan# 774

Delta R.T. -0.33 min

Lab File: BF087009.D

Acq: 14 May 2016 9:55

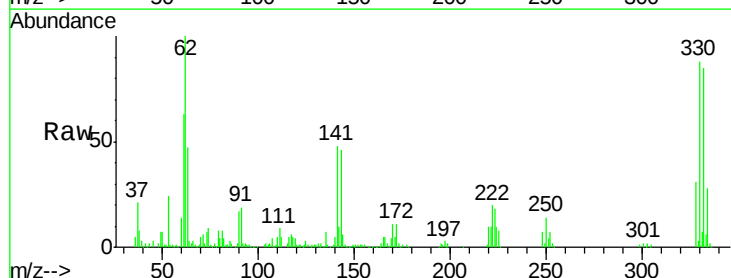
Tgt Ion:248 Resp: 22163

Ion Ratio Lower Upper

248 100

250 190.5 78.6 117.8#

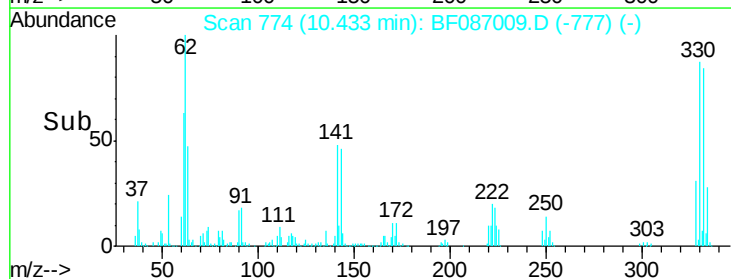
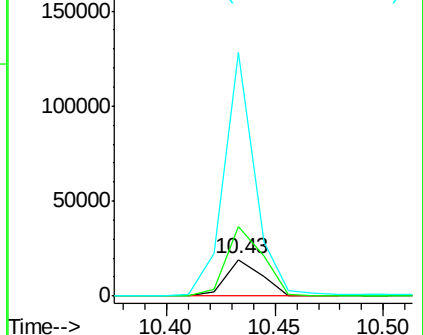
141 665.1 76.0 114.0#

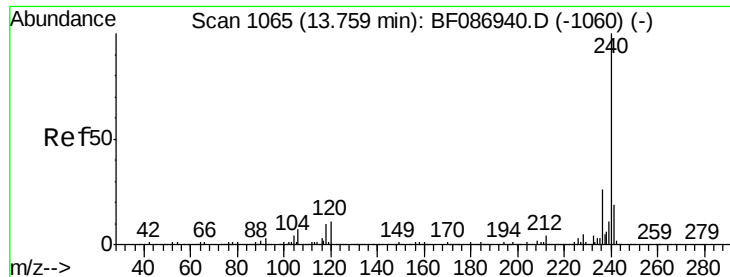


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.75 min Scan# 1064

Delta R.T. -0.09 min

Lab File: BF087009.D

Acq: 14 May 2016 9:55

Instrument :

BNA_F

ClientSampleId :

MW-13

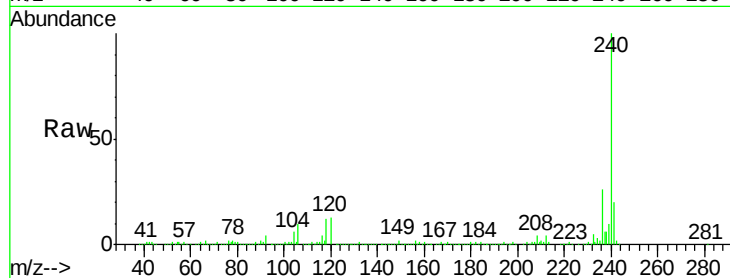
Tgt Ion:240 Resp: 372548

Ion Ratio Lower Upper

240 100

120 13.4 11.2 16.8

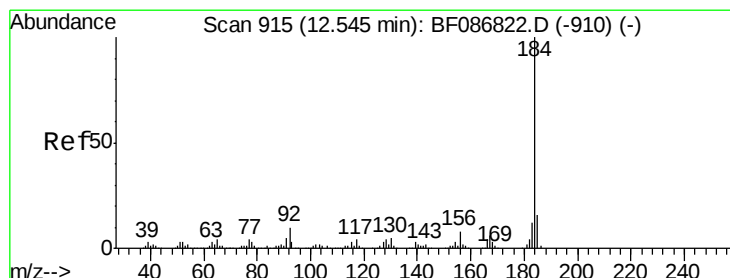
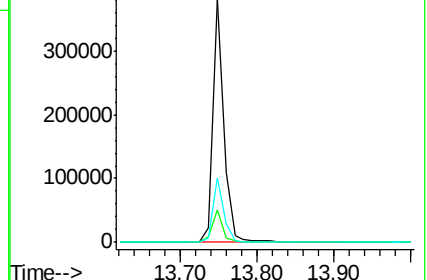
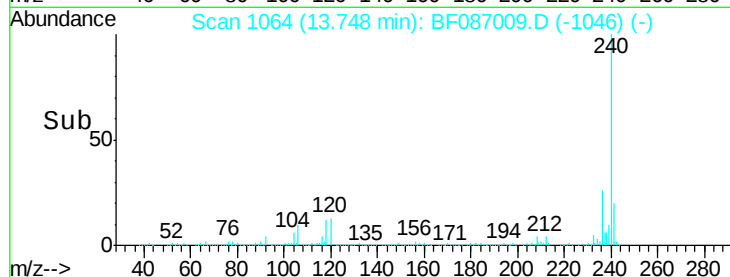
236 26.3 21.2 31.8



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: 2.13 ng

RT: 12.71 min Scan# 973

Delta R.T. 0.16 min

Lab File: BF087009.D

Acq: 14 May 2016 9:55

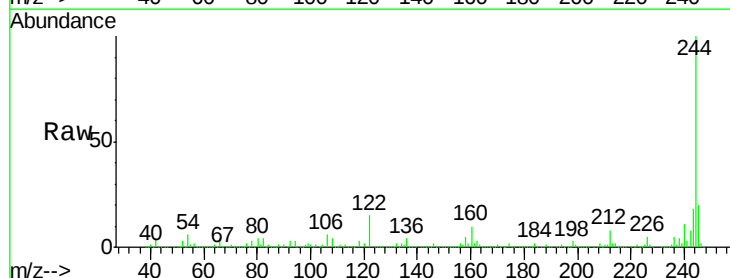
Tgt Ion:184 Resp: 20208

Ion Ratio Lower Upper

184 100

185 18.2 13.6 20.4

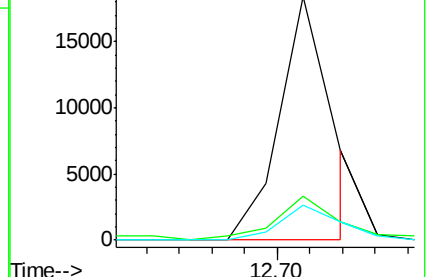
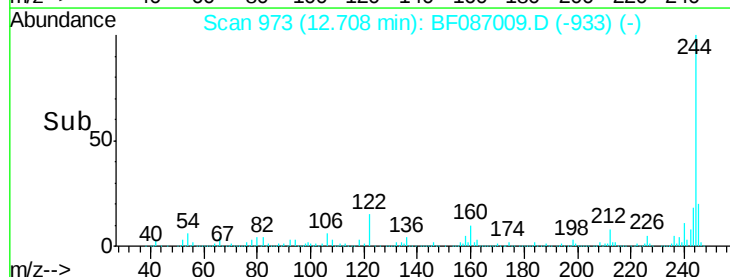
183 14.1 9.8 14.6

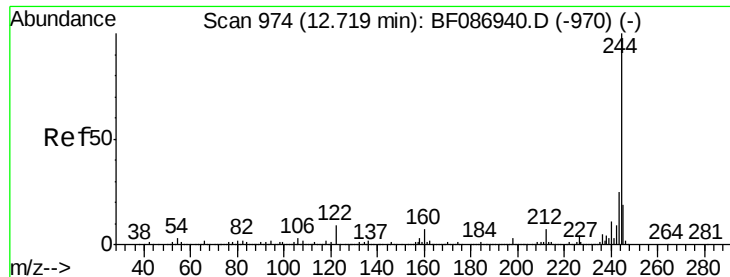


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 73.11 ng

RT: 12.71 min Scan# 973

Delta R.T. -0.09 min

Lab File: BF087009.D

Acq: 14 May 2016 9:55

Instrument :

BNA_F

ClientSampled :

MW-13

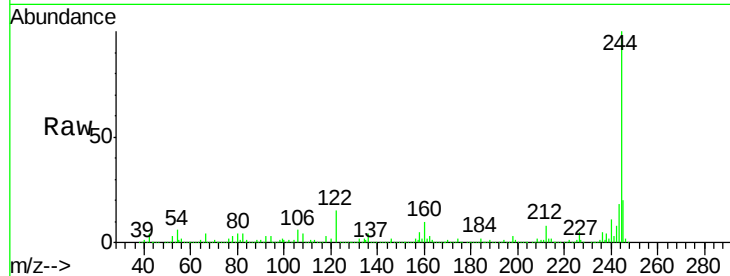
Tgt Ion:244 Resp: 1283795

Ion Ratio Lower Upper

244 100

212 8.5 6.2 9.2

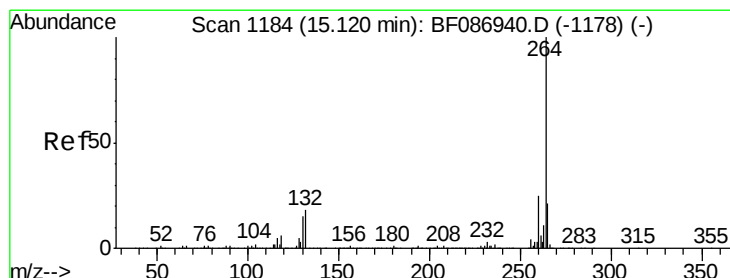
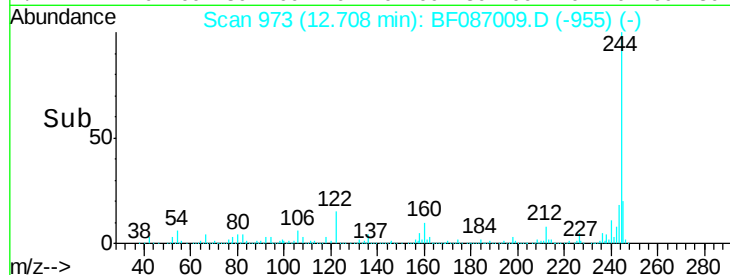
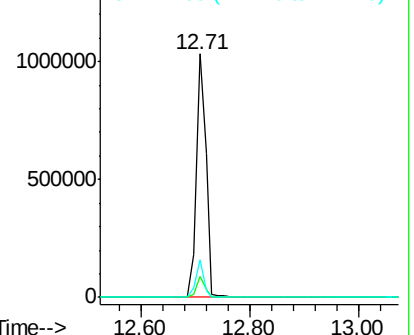
122 15.4 12.0 18.0



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: 15.11 min Scan# 1183

Delta R.T. -0.10 min

Lab File: BF087009.D

Acq: 14 May 2016 9:55

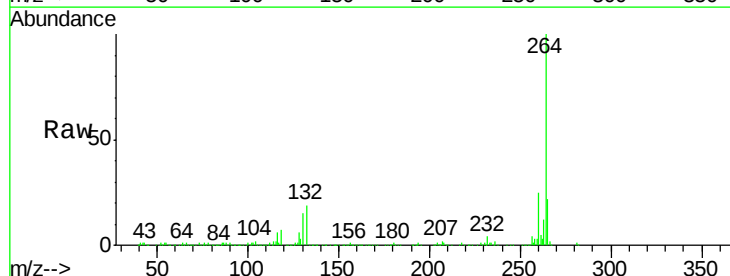
Tgt Ion:264 Resp: 283276

Ion Ratio Lower Upper

264 100

260 24.5 19.5 29.3

265 21.6 17.3 25.9



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

