

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102116\
 Data File : BF090761.D
 Acq On : 22 Oct 2016 14:43
 Operator : UM/SJ
 Sample : H5367-11
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-051-102016

Quant Time: Oct 24 00:50:40 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 21 17:36:31 2016
 Response via : Initial Calibration

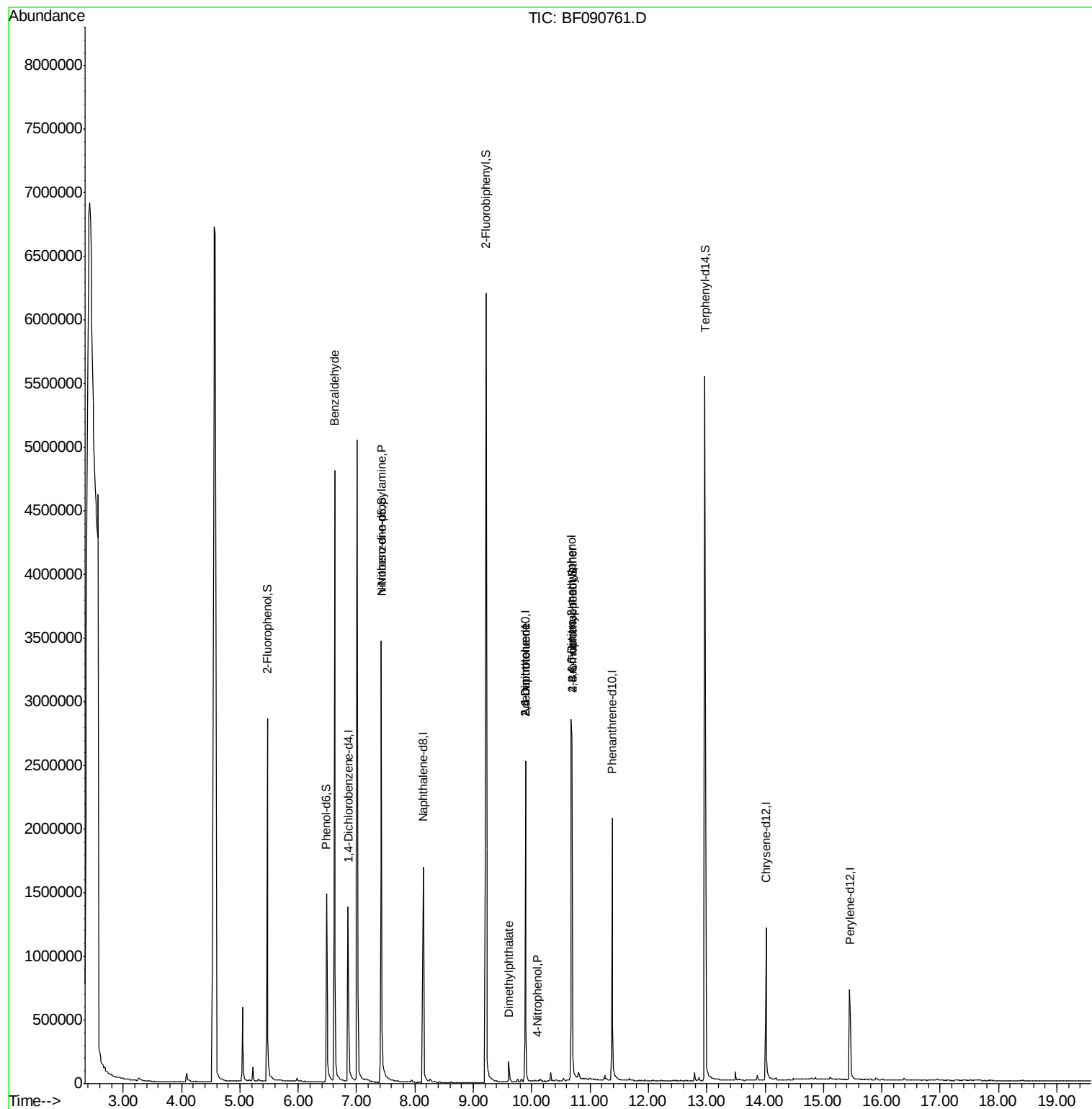
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	250671	20.00	ng	-0.01
21) Naphthalene-d8	8.14	136	1043607	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	528889	20.00	ng	-0.01
63) Phenanthrene-d10	11.38	188	805351	20.00	ng	-0.01
75) Chrysene-d12	14.02	240	493528	20.00	ng	0.00
86) Perylene-d12	15.45	264	361060	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	856322	55.09	ng	0.01
7) Phenol-d6	6.49	99	619477	29.42	ng	-0.01
23) Nitrobenzene-d5	7.42	82	1627077	85.51	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	643124	153.63	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	2456802	72.11	ng	-0.01
78) Terphenyl-d14	12.97	244	2266342	105.25	ng	0.00
Target Compounds						
9) Benzaldehyde	6.62	77	32521	2.83	ng	# 60
19) n-Nitroso-di-n-propylamine	7.42	70	215972	13.78	ng	# 52
49) Dimethylphthalate	9.61	163	89425	2.69	ng	# 97
50) 2,6-Dinitrotoluene	9.89	165	66776	9.34	ng	# 39
55) 4-Nitrophenol	10.10	139	208	5.97	ng	# 1
56) 2,4-Dinitrotoluene	9.89	165	67719	7.75	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.68	198	1095	4.37	ng	# 1
66) 4-Bromophenyl-phenylether	10.69	248	40533	5.19	ng	# 1

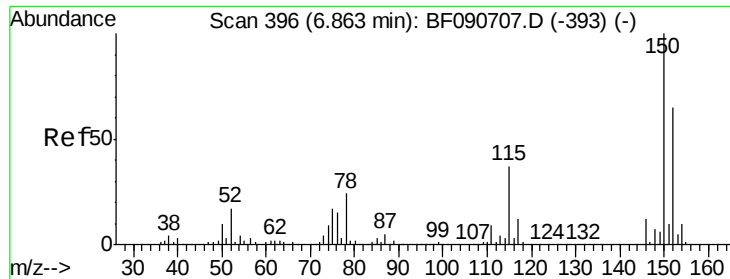
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 395

Delta R.T. -0.01 min

Lab File: BF090761.D

Acq: 22 Oct 2016 14:43

Instrument :

BNA_F

ClientSampleId :

MW-05I-102016

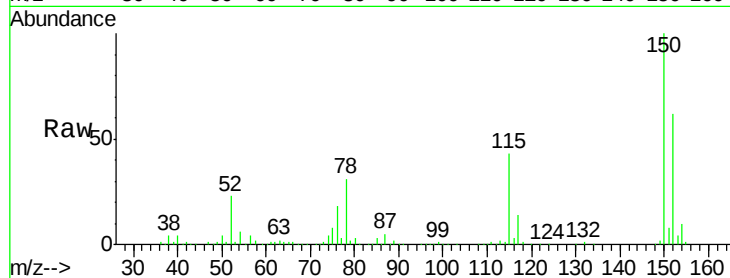
Tgt Ion:152 Resp: 250671

Ion Ratio Lower Upper

152 100

150 161.4 124.7 187.1

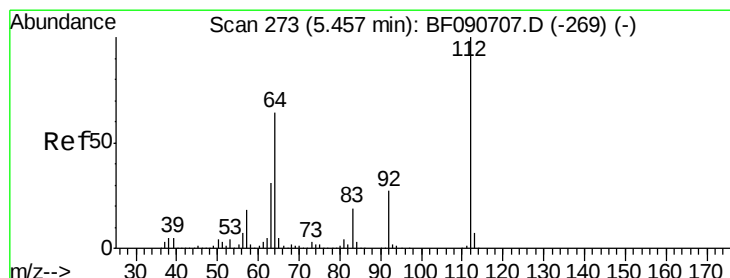
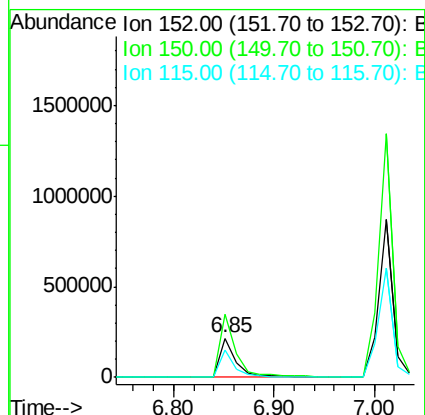
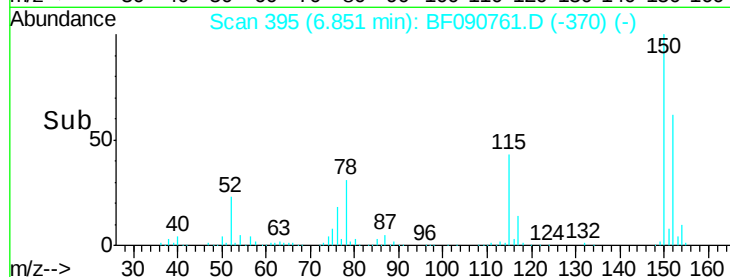
115 69.4 39.0 58.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 55.09 ng

RT: 5.47 min Scan# 274

Delta R.T. 0.01 min

Lab File: BF090761.D

Acq: 22 Oct 2016 14:43

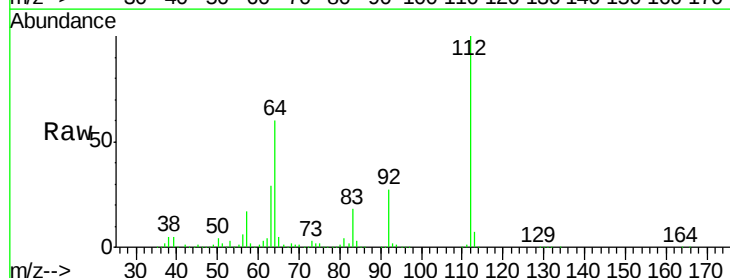
Tgt Ion:112 Resp: 856322

Ion Ratio Lower Upper

112 100

64 60.2 39.7 59.5#

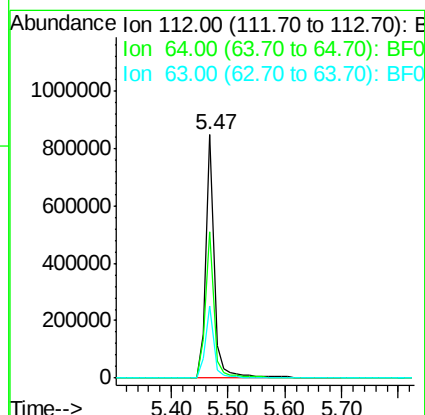
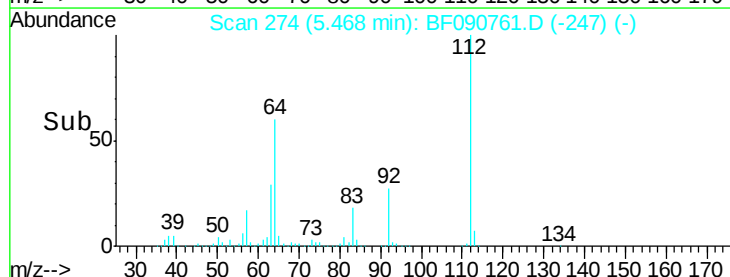
63 29.4 17.4 26.0#



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: 29.42 ng

RT: 6.49 min Scan# 363

Delta R.T. -0.01 min

Lab File: BF090761.D

Acq: 22 Oct 2016 14:43

Instrument :

BNA_F

ClientSampleId :

MW-05I-102016

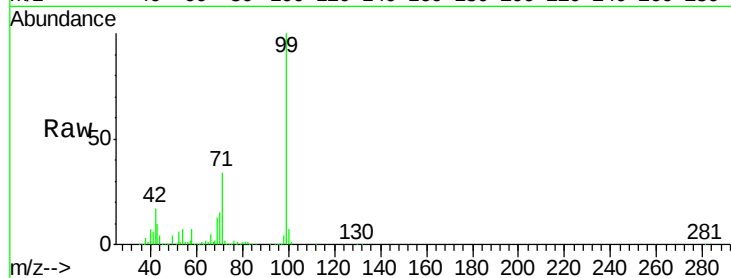
Tgt Ion: 99 Resp: 619477

Ion Ratio Lower Upper

99 100

42 17.4 13.7 20.5

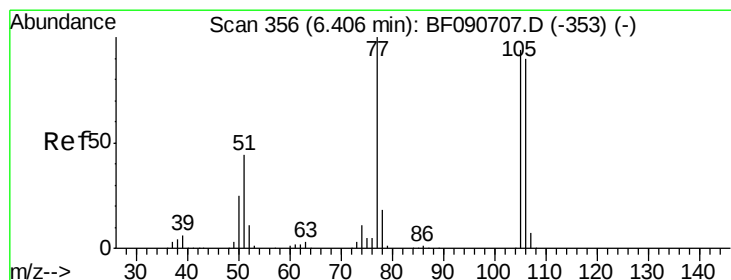
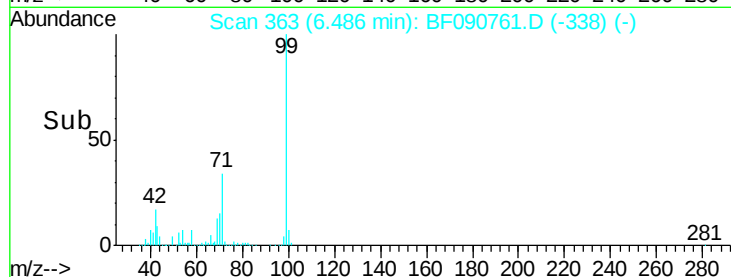
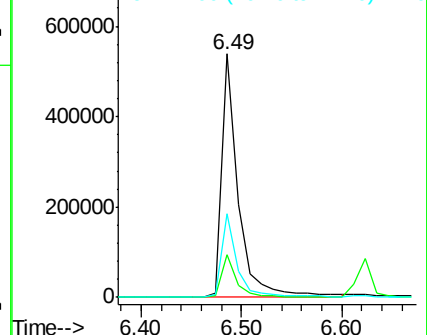
71 34.2 14.2 21.2#



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 2.83 ng

RT: 6.62 min Scan# 375

Delta R.T. 0.22 min

Lab File: BF090761.D

Acq: 22 Oct 2016 14:43

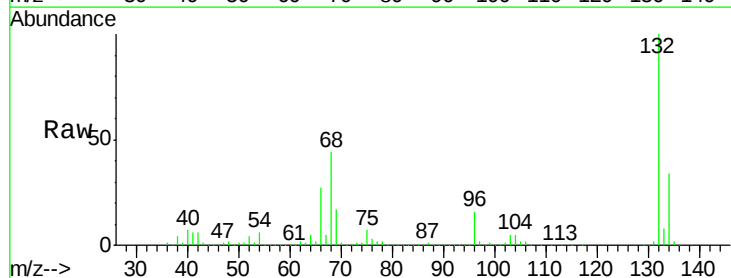
Tgt Ion: 77 Resp: 32521

Ion Ratio Lower Upper

77 100

105 76.9 91.6 131.6#

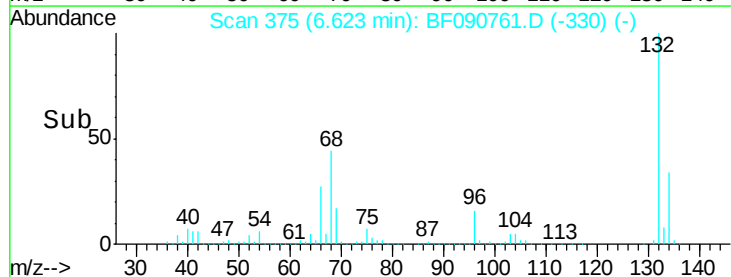
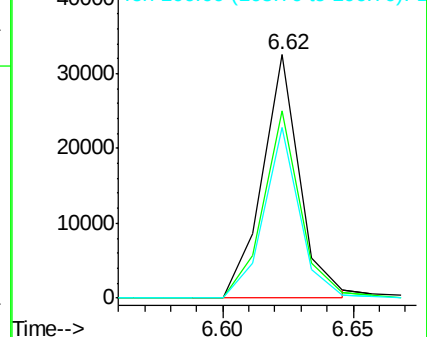
106 69.8 102.6 142.6#

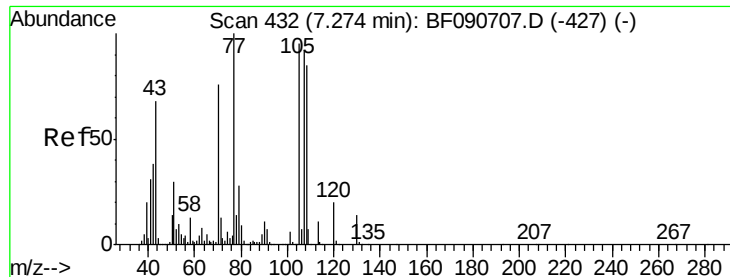


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

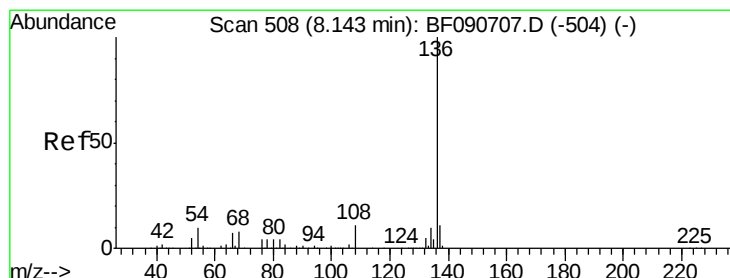
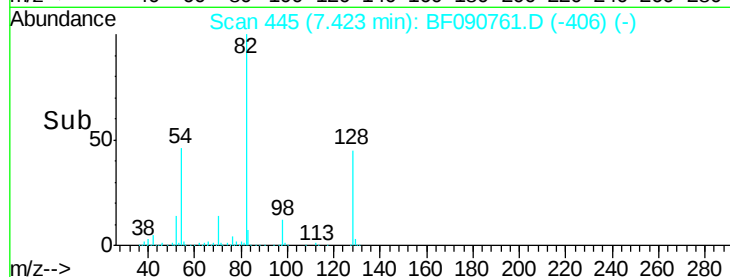
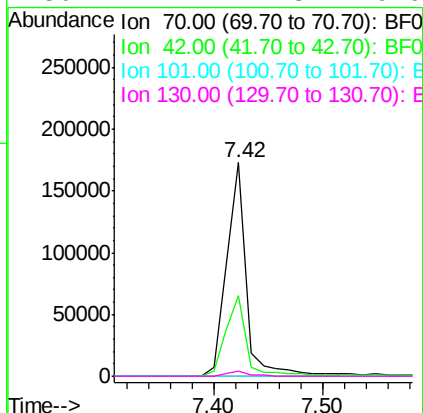
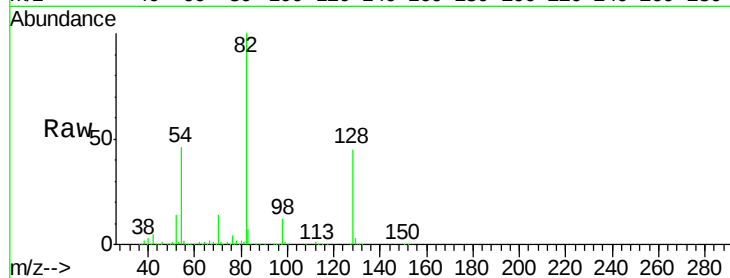




#19
n-Nitroso-di-n-propylamine
Concen: 13.78 ng
RT: 7.42 min Scan# 445
Delta R.T. 0.15 min
Lab File: BF090761.D
Acq: 22 Oct 2016 14:43

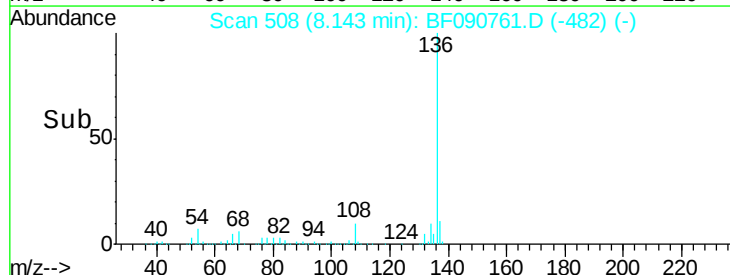
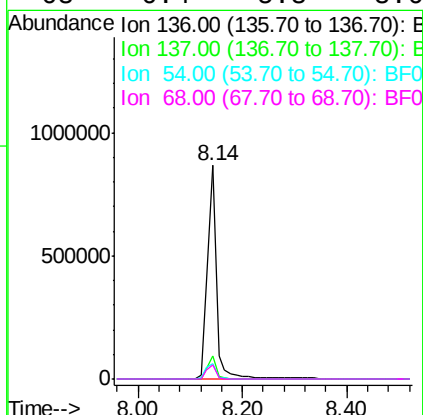
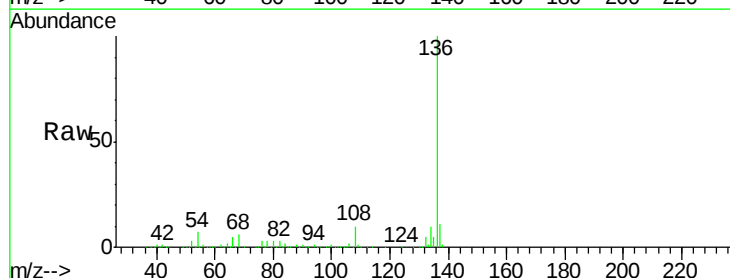
Instrument :
BNA_F
ClientSampleId :
MW-05I-102016

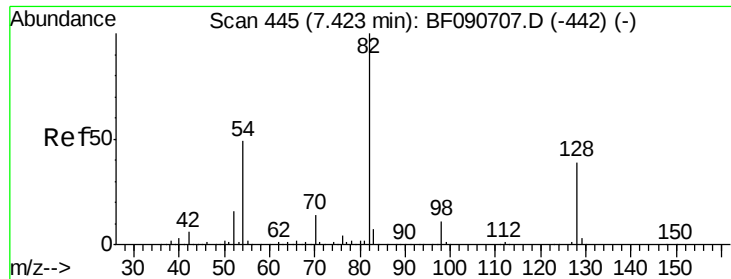
Tgt Ion: 70 Resp: 215972
Ion Ratio Lower Upper
70 100
42 37.7 63.8 95.6#
101 0.0 9.2 13.8#
130 2.4 27.3 40.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 508
Delta R.T. -0.00 min
Lab File: BF090761.D
Acq: 22 Oct 2016 14:43

Tgt Ion: 136 Resp: 1043607
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.6
54 6.9 8.2 12.2#
68 6.4 5.8 8.6





#23

Nitrobenzene-d5

Concen: 85.51 ng

RT: 7.42 min Scan# 445

Delta R.T. -0.00 min

Lab File: BF090761.D

Acq: 22 Oct 2016 14:43

Instrument :

BNA_F

ClientSampleId :

MW-051-102016

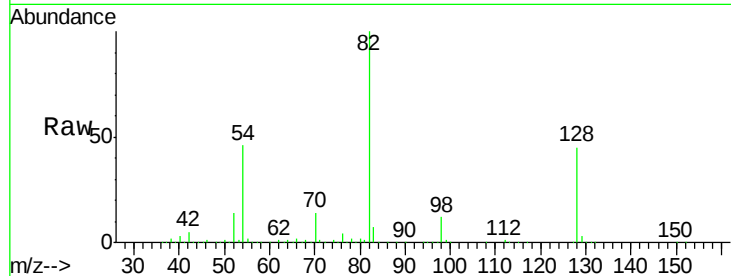
Tgt Ion: 82 Resp: 1627077

Ion Ratio Lower Upper

82 100

128 45.3 51.0 76.6#

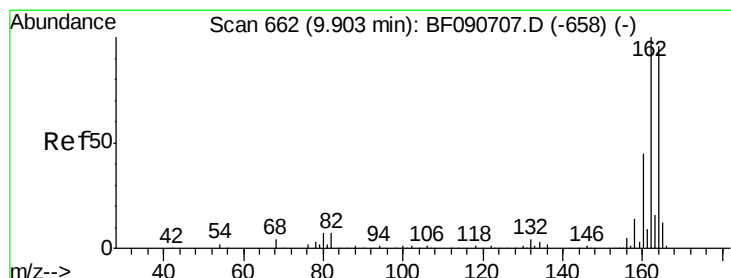
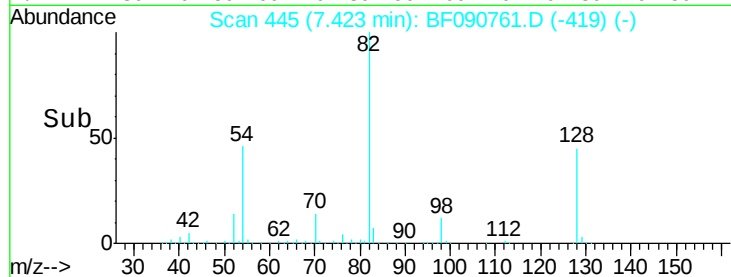
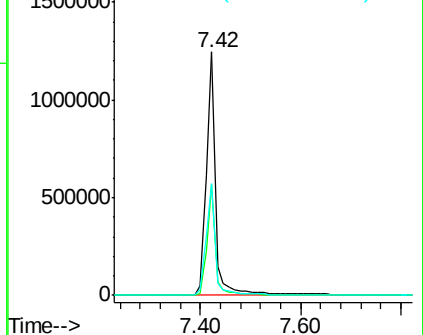
54 45.8 47.5 71.3#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 661

Delta R.T. -0.01 min

Lab File: BF090761.D

Acq: 22 Oct 2016 14:43

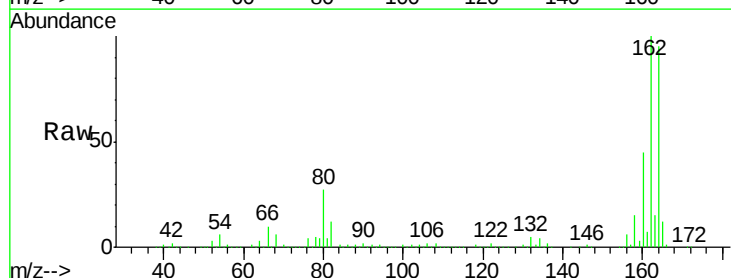
Tgt Ion: 164 Resp: 528889

Ion Ratio Lower Upper

164 100

162 105.4 75.2 112.8

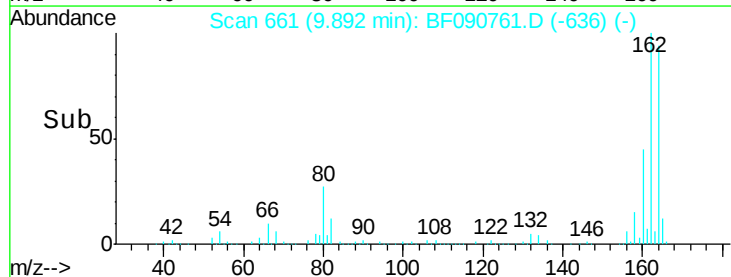
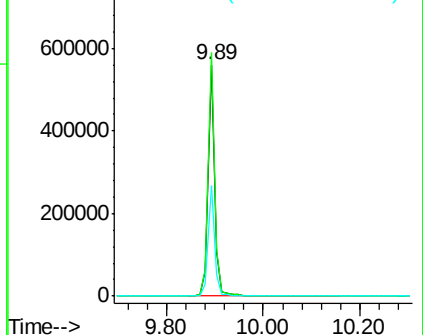
160 47.8 31.5 47.3#

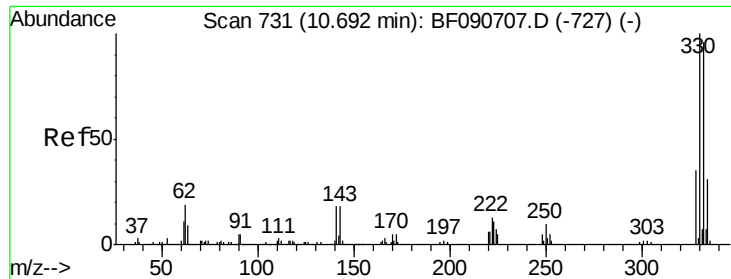


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

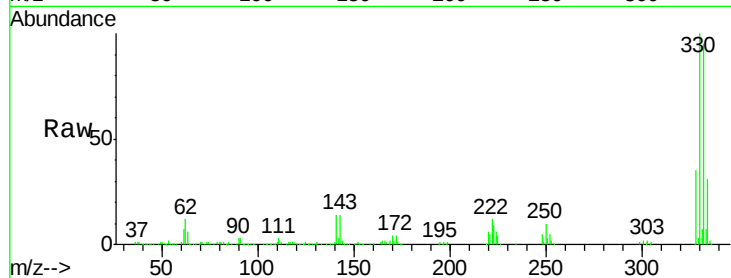




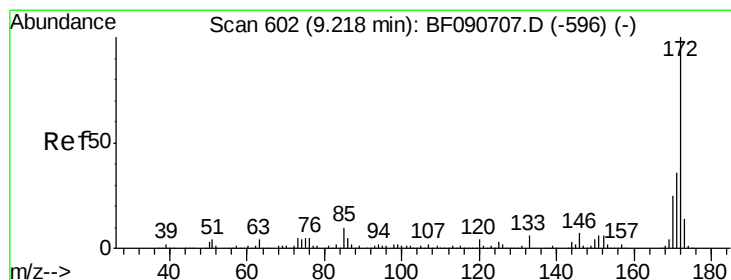
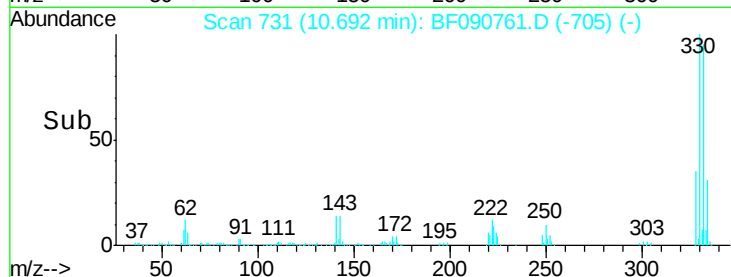
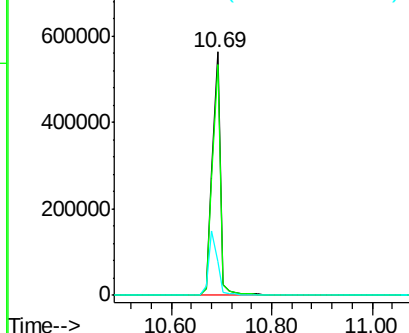
#41
 2,4,6-Tribromophenol
 Concen: 153.63 ng
 RT: 10.69 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: BF090761.D
 Acq: 22 Oct 2016 14:43

Instrument :
 BNA_F
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 MW-051-102016

Tgt Ion:330 Resp: 643124
 Ion Ratio Lower Upper
 330 100
 332 95.2 76.6 114.8
 141 30.2 29.7 44.5

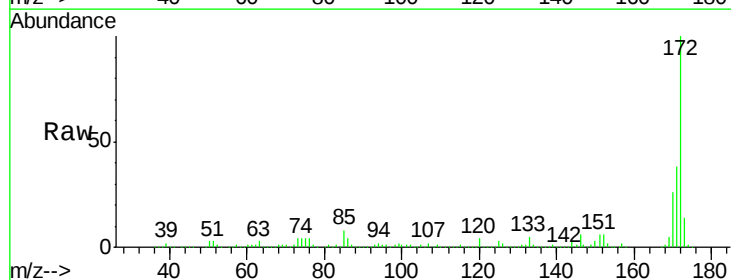


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

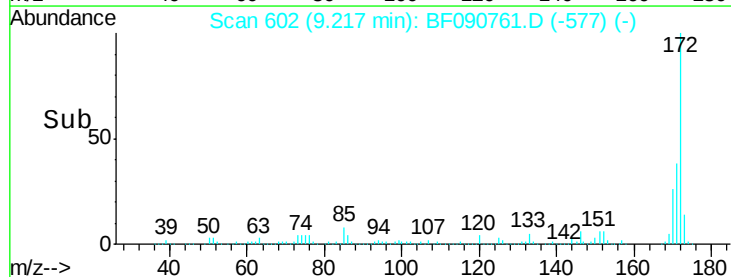
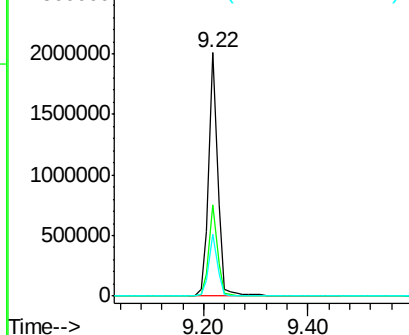


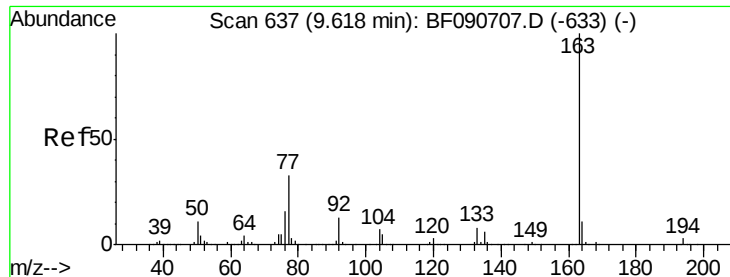
#44
 2-Fluorobiphenyl
 Concen: 72.11 ng
 RT: 9.22 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: BF090761.D
 Acq: 22 Oct 2016 14:43

Tgt Ion:172 Resp: 2456802
 Ion Ratio Lower Upper
 172 100
 171 37.5 26.1 39.1
 170 25.6 17.4 26.2



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 2.69 ng

RT: 9.61 min Scan# 636

Delta R.T. -0.02 min

Lab File: BF090761.D

Acq: 22 Oct 2016 14:43

Instrument :

BNA_F

ClientSampleId :

MW-051-102016

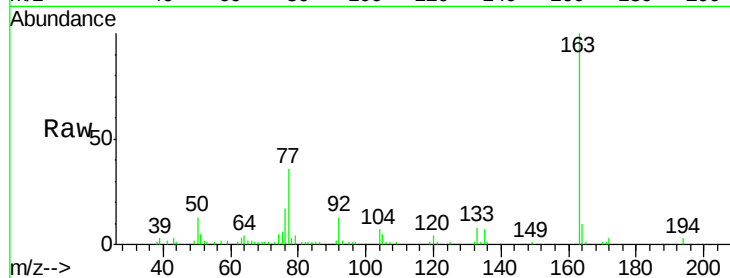
Tgt Ion:163 Resp: 89425

Ion Ratio Lower Upper

163 100

194 3.0 4.4 6.6#

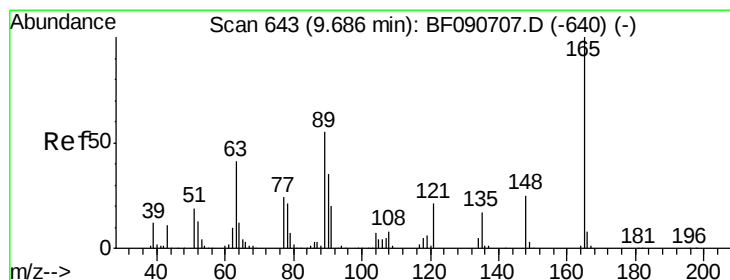
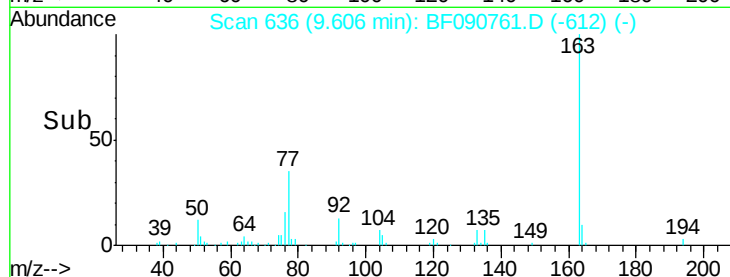
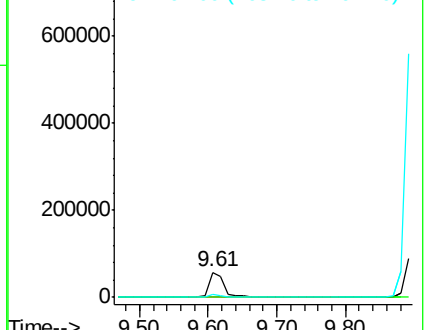
164 10.4 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 9.34 ng

RT: 9.89 min Scan# 661

Delta R.T. 0.21 min

Lab File: BF090761.D

Acq: 22 Oct 2016 14:43

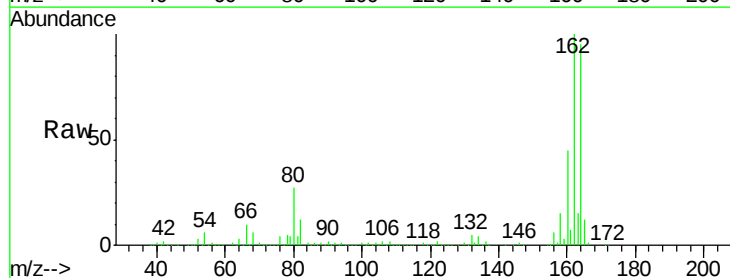
Tgt Ion:165 Resp: 66776

Ion Ratio Lower Upper

165 100

63 1.0 32.3 48.5#

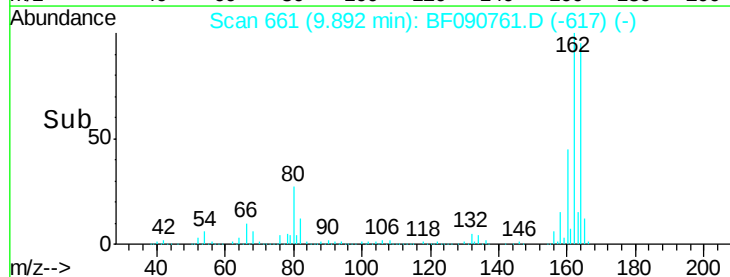
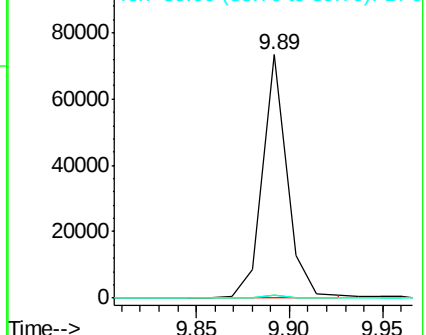
89 1.1 28.6 43.0#

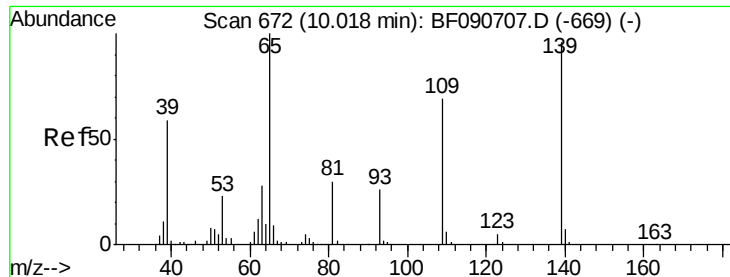


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

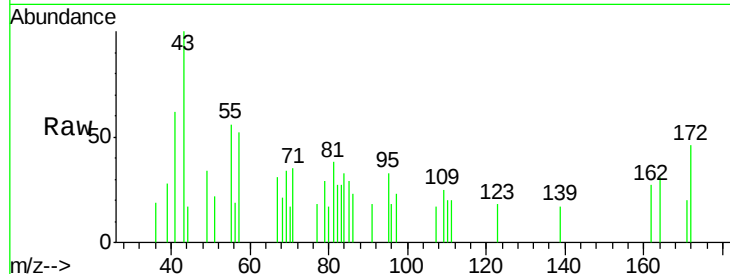




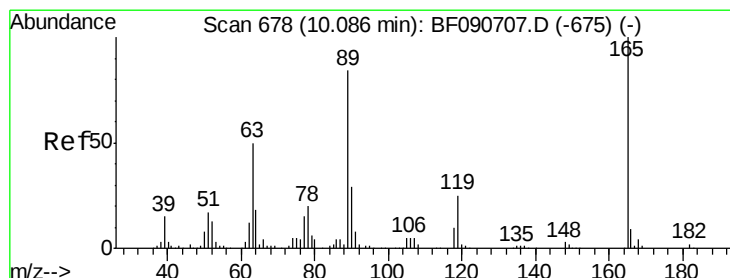
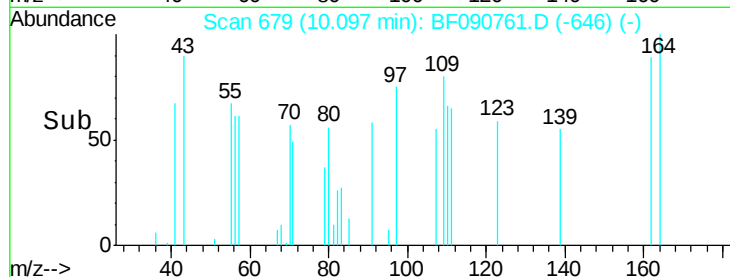
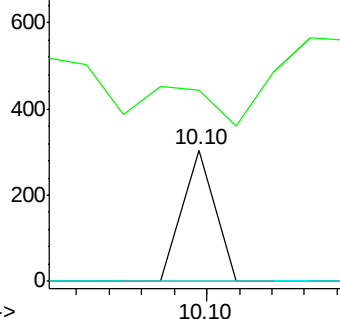
#55
4-Nitrophenol
Concen: 5.97 ng
RT: 10.10 min Scan# 679
Delta R.T. 0.08 min
Lab File: BF090761.D
Acq: 22 Oct 2016 14:43

Instrument :
BNA_F
ClientSampleId :
MW-051-102016

Tgt Ion:139 Resp: 208
Ion Ratio Lower Upper
139 100
109 145.7 12.7 52.7#
65 0.0 45.9 85.9#

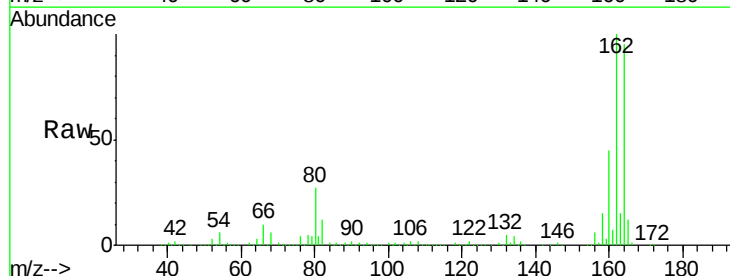


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): E

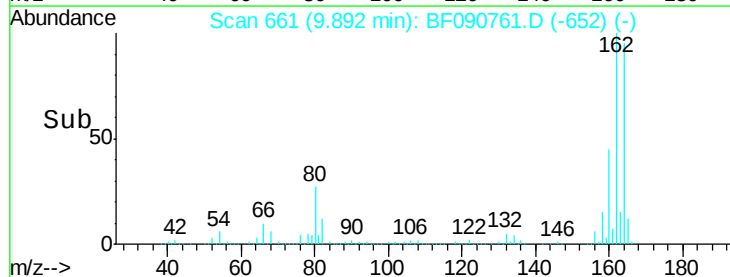
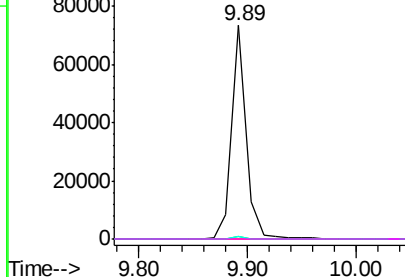


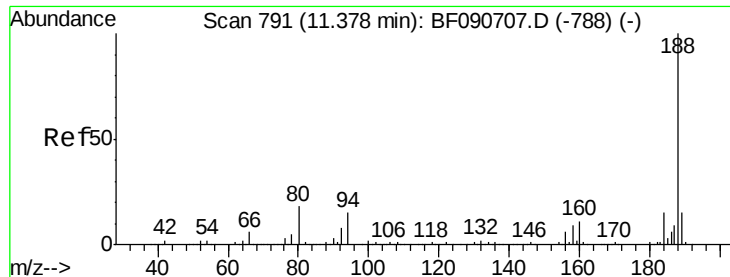
#56
2,4-Dinitrotoluene
Concen: 7.75 ng
RT: 9.89 min Scan# 661
Delta R.T. -0.19 min
Lab File: BF090761.D
Acq: 22 Oct 2016 14:43

Tgt Ion:165 Resp: 67719
Ion Ratio Lower Upper
165 100
63 1.0 29.8 44.6#
89 1.1 44.5 66.7#
182 0.0 3.0 4.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

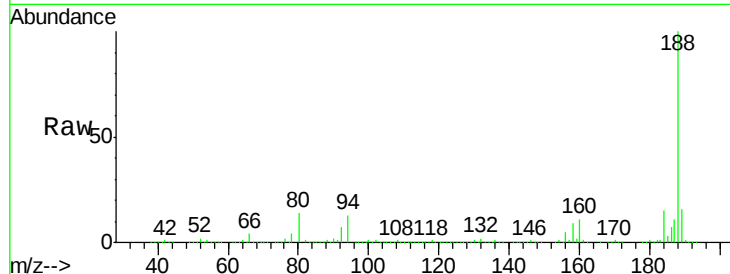




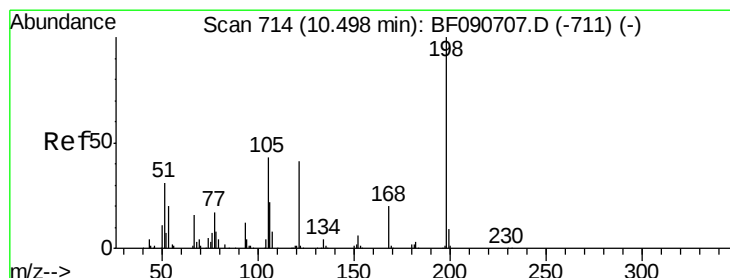
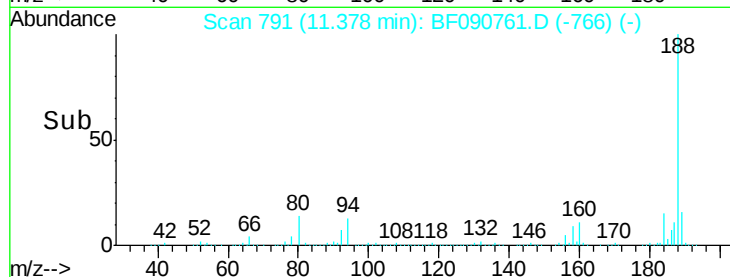
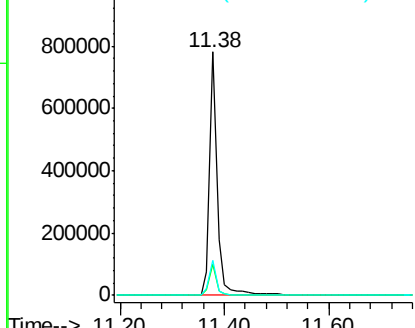
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF090761.D
Acq: 22 Oct 2016 14:43

Instrument :
BNA_F
ClientSampleId :
MW-05I-102016

Tgt Ion:188 Resp: 805351
Ion Ratio Lower Upper
188 100
94 13.0 11.1 16.7
80 14.5 11.0 16.4

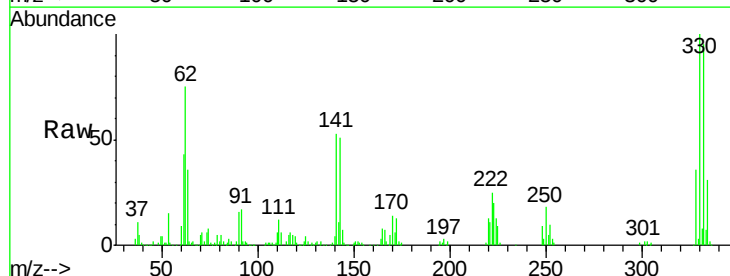


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

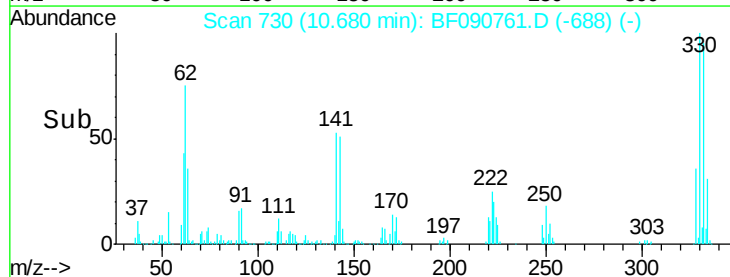
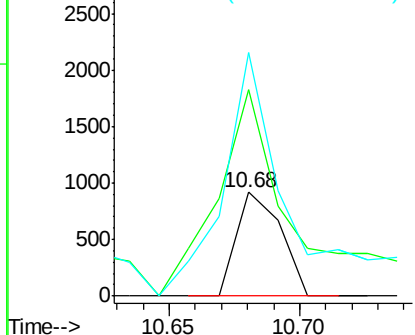


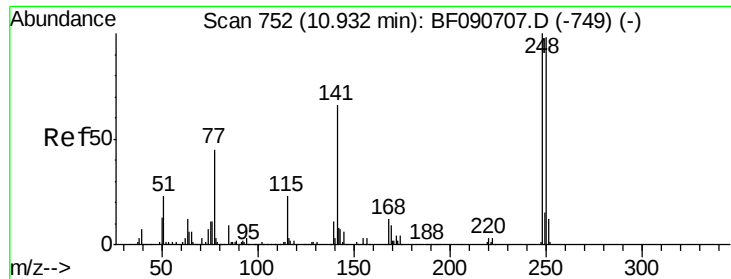
#64
4,6-Dinitro-2-methylphenol
Concen: 4.37 ng
RT: 10.68 min Scan# 730
Delta R.T. 0.18 min
Lab File: BF090761.D
Acq: 22 Oct 2016 14:43

Tgt Ion:198 Resp: 1095
Ion Ratio Lower Upper
198 100
51 198.3 39.6 79.6#
105 234.4 28.5 68.5#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

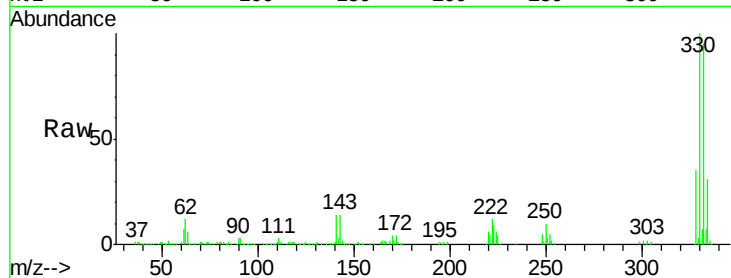




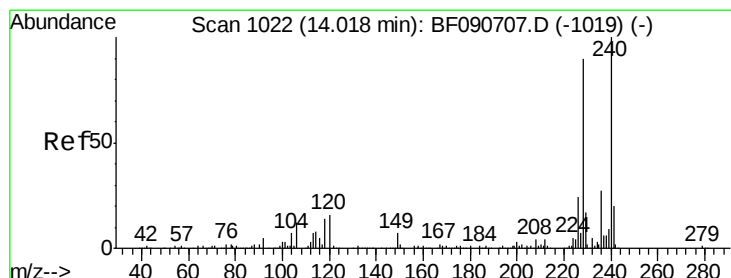
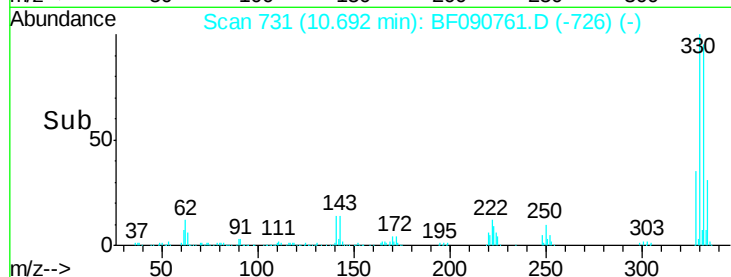
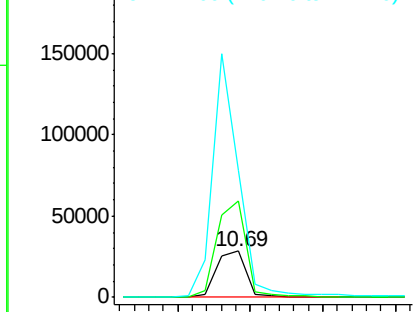
#66
4-Bromophenyl-phenylether
Concen: 5.19 ng
RT: 10.69 min Scan# 731
Delta R.T. -0.24 min
Lab File: BF090761.D
Acq: 22 Oct 2016 14:43

Instrument :
BNA_F
ClientSampleId :
MW-051-102016

Tgt Ion:248 Resp: 40533
Ion Ratio Lower Upper
248 100
250 207.3 78.5 117.7#
141 275.6 59.0 88.6#

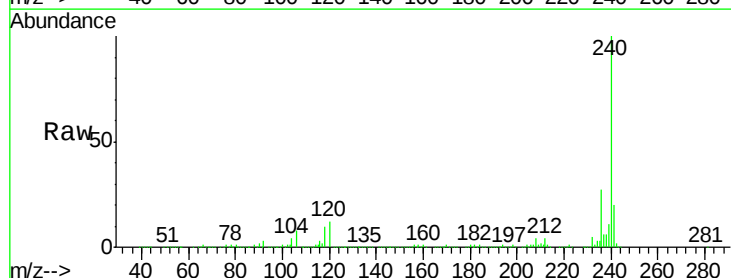


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

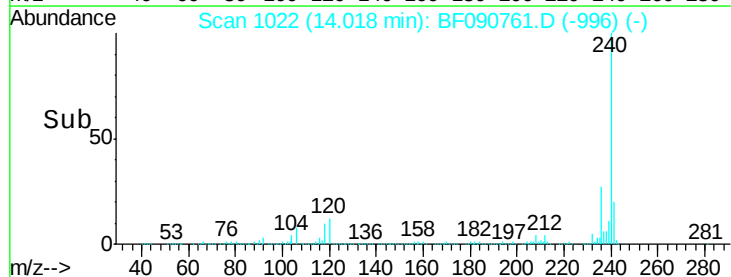
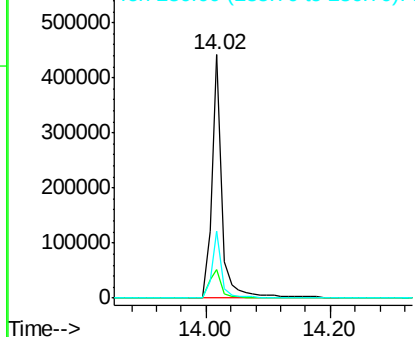


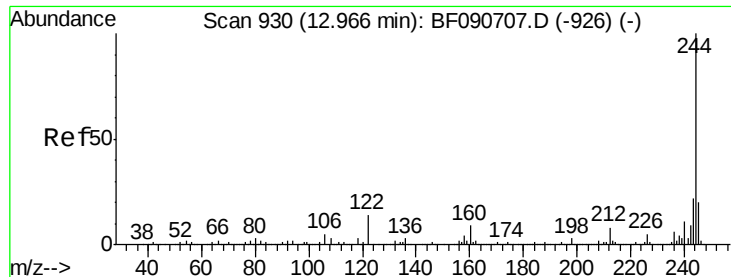
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.02 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BF090761.D
Acq: 22 Oct 2016 14:43

Tgt Ion:240 Resp: 493528
Ion Ratio Lower Upper
240 100
120 11.8 16.2 24.2#
236 27.3 18.4 27.6



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

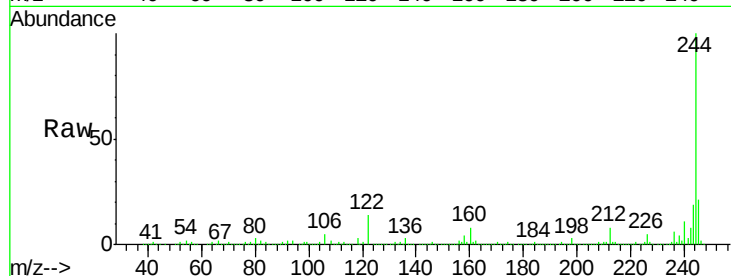




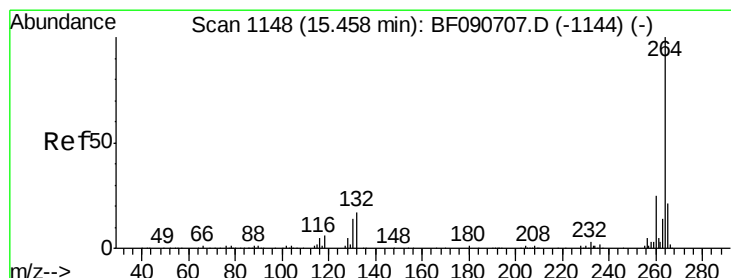
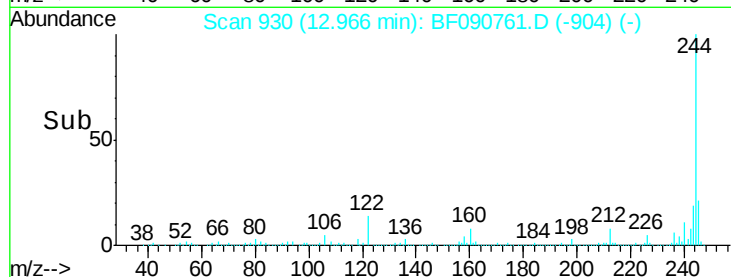
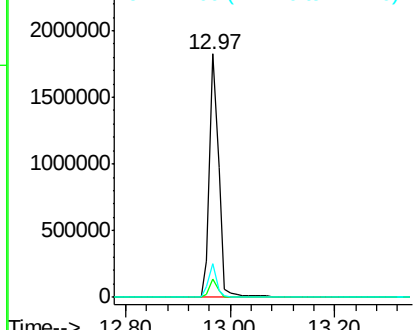
#78
 Terphenyl-d14
 Concen: 105.25 ng
 RT: 12.97 min Scan# 930
 Delta R.T. 0.00 min
 Lab File: BF090761.D
 Acq: 22 Oct 2016 14:43

Instrument :
 BNA_F
 ClientSampleId :
 MW-05I-102016

Tgt Ion:244 Resp: 2266342
 Ion Ratio Lower Upper
 244 100
 212 7.7 4.3 6.5#
 122 13.9 17.4 26.2#

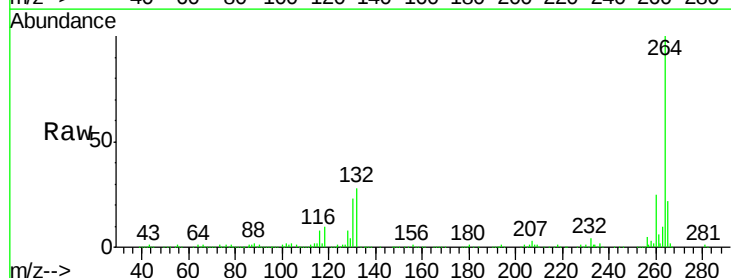


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.45 min Scan# 1147
 Delta R.T. -0.01 min
 Lab File: BF090761.D
 Acq: 22 Oct 2016 14:43

Tgt Ion:264 Resp: 361060
 Ion Ratio Lower Upper
 264 100
 260 24.9 16.7 25.1
 265 22.0 17.2 25.8



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

