

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102116\
 Data File : BF090754.D
 Acq On : 22 Oct 2016 11:31
 Operator : UM/SJ
 Sample : H5367-04
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-01I-101916

Quant Time: Oct 24 00:48:09 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

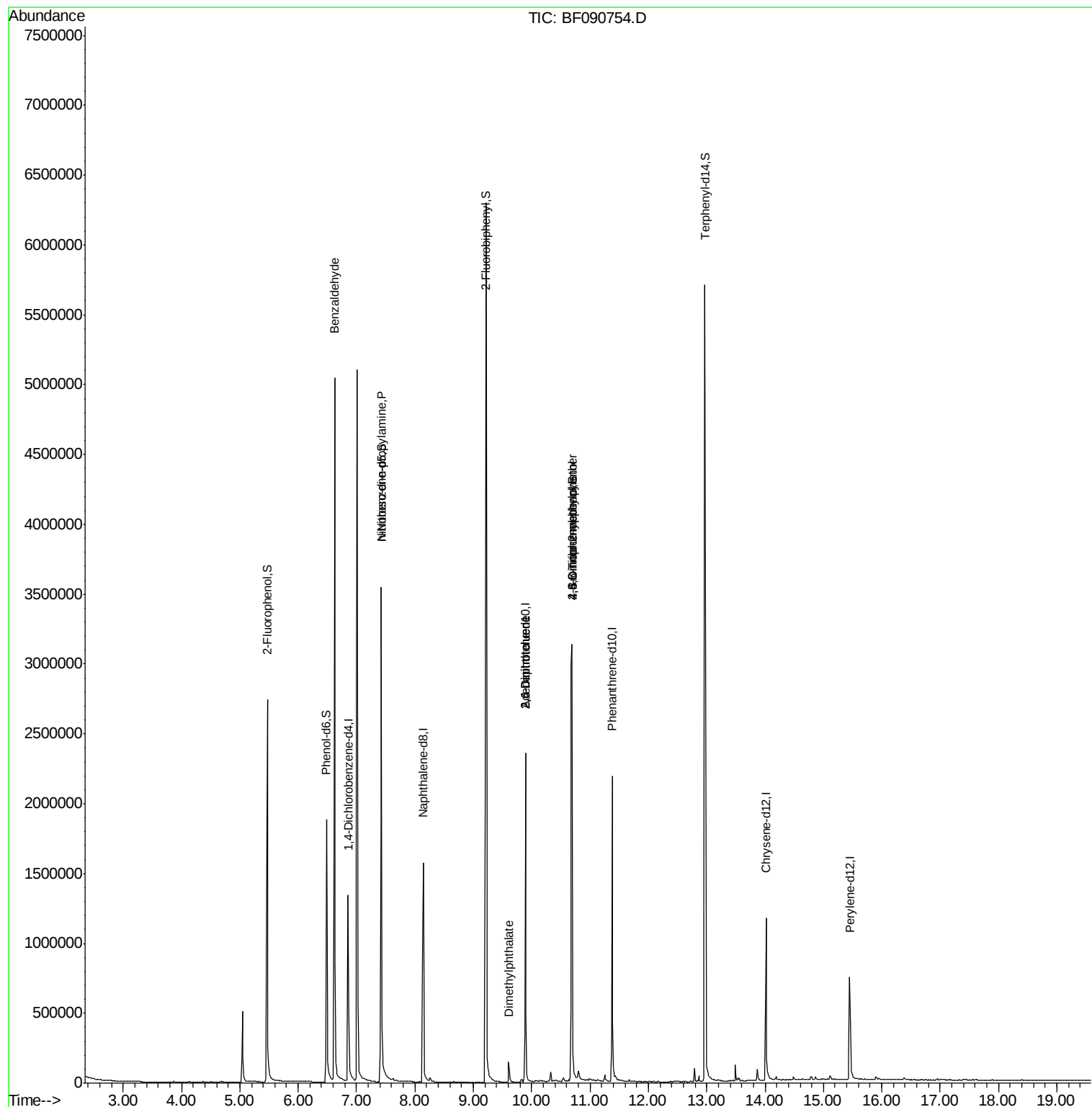
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	245120	20.00	ng	-0.01
21) Naphthalene-d8	8.14	136	1028183	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	517453	20.00	ng	-0.01
63) Phenanthrene-d10	11.38	188	833468	20.00	ng	-0.01
75) Chrysene-d12	14.02	240	515346	20.00	ng	0.00
86) Perylene-d12	15.45	264	364589	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	995254	65.48	ng	0.01
7) Phenol-d6	6.49	99	739761	35.93	ng	-0.01
23) Nitrobenzene-d5	7.42	82	1710624	91.25	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	705401	172.23	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	2604732	78.14	ng	-0.01
78) Terphenyl-d14	12.97	244	2470215	109.86	ng	0.00
Target Compounds						
9) Benzaldehyde	6.62	77	34803	3.09	ng	# 62
19) n-Nitroso-di-n-propylamine	7.42	70	227731	14.85	ng	# 52
49) Dimethylphthalate	9.61	163	86261	2.65	ng	# 97
50) 2,6-Dinitrotoluene	9.89	165	66505	9.51	ng	# 38
56) 2,4-Dinitrotoluene	9.89	165	67422	7.89	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.69	198	1290	4.40	ng	# 48
66) 4-Bromophenyl-phenylether	10.69	248	45507	5.63	ng	# 1

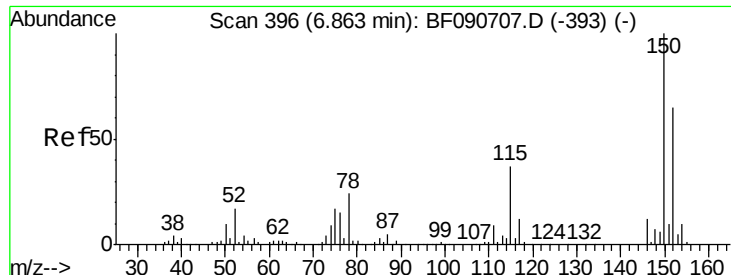
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF090754.D

Acq: 22 Oct 2016 11:31

Instrument :

BNA_F

ClientSampleId :

MW-01I-101916

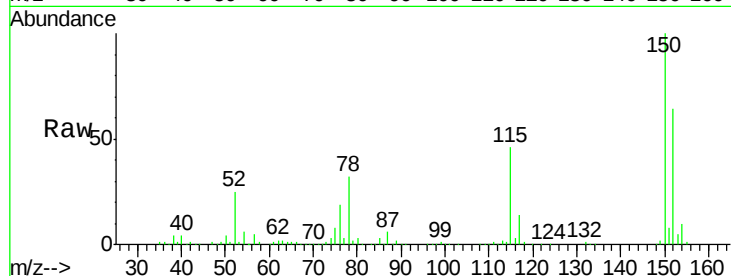
Tgt Ion:152 Resp: 245120

Ion Ratio Lower Upper

152 100

150 155.3 124.7 187.1

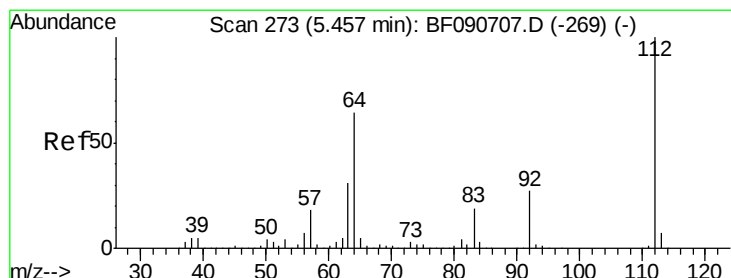
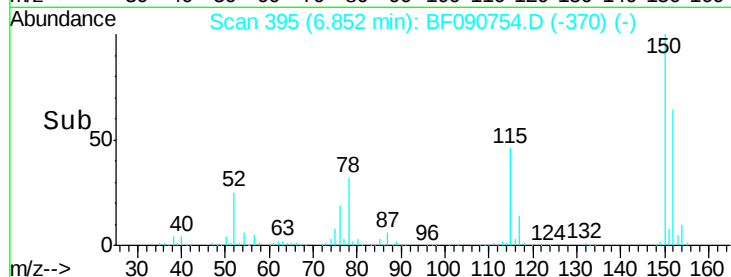
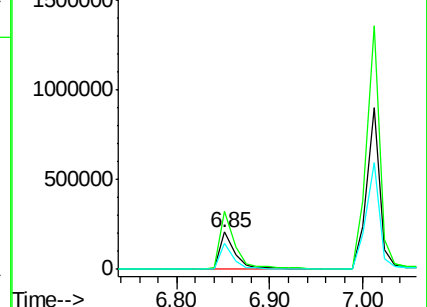
115 70.7 39.0 58.4#



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: 65.48 ng

RT: 5.47 min Scan# 274

Delta R.T. 0.01 min

Lab File: BF090754.D

Acq: 22 Oct 2016 11:31

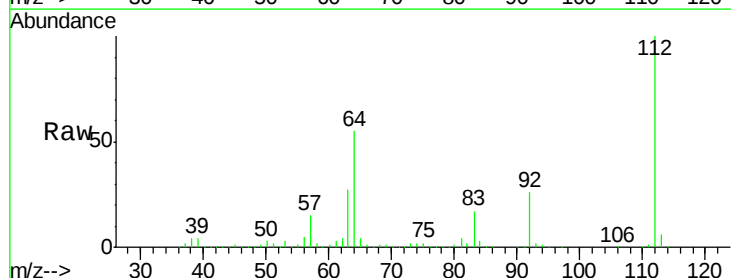
Tgt Ion:112 Resp: 995254

Ion Ratio Lower Upper

112 100

64 55.3 39.7 59.5

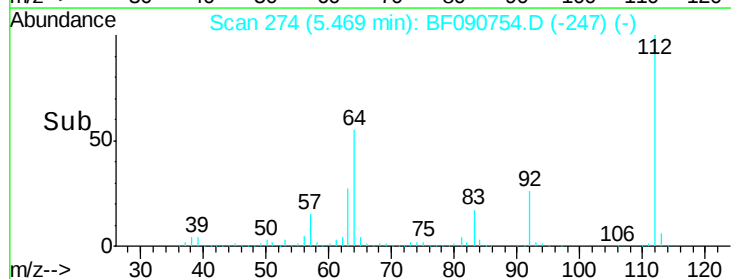
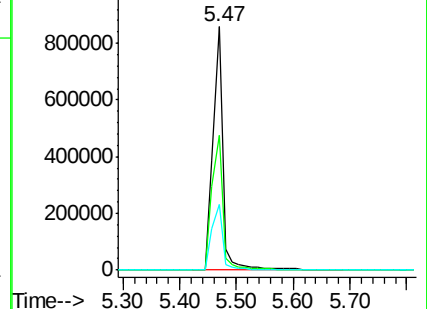
63 27.0 17.4 26.0#

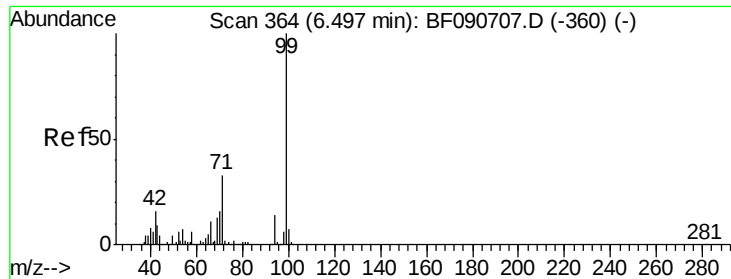


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 35.93 ng

RT: 6.49 min Scan# 363

Delta R.T. -0.01 min

Lab File: BF090754.D

Acq: 22 Oct 2016 11:31

Instrument :

BNA_F

ClientSampleId :

MW-01I-101916

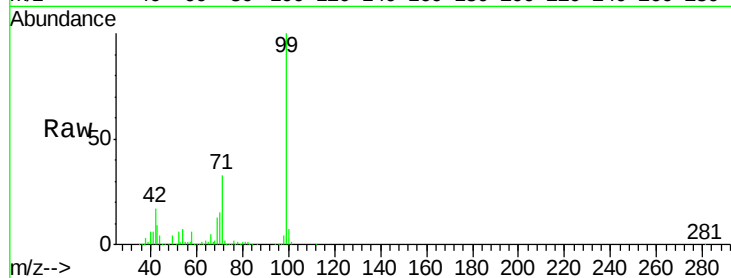
Tgt Ion: 99 Resp: 739761

Ion Ratio Lower Upper

99 100

42 16.8 13.7 20.5

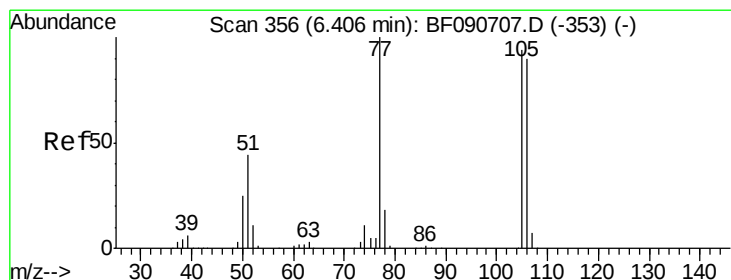
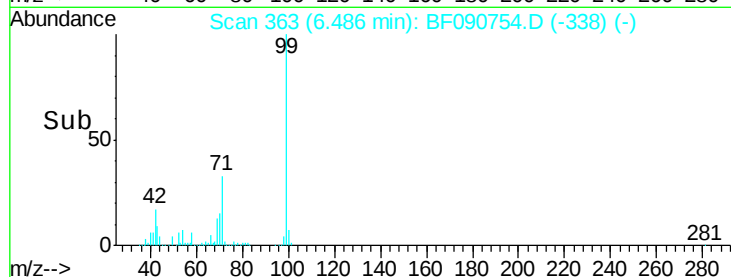
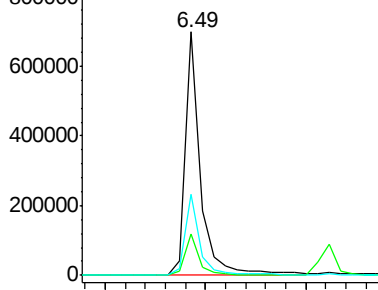
71 33.1 14.2 21.2#



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: 3.09 ng

RT: 6.62 min Scan# 375

Delta R.T. 0.22 min

Lab File: BF090754.D

Acq: 22 Oct 2016 11:31

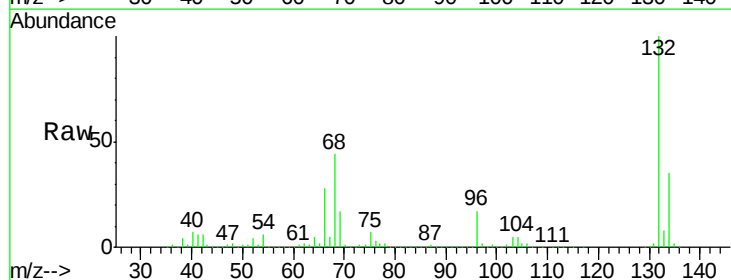
Tgt Ion: 77 Resp: 34803

Ion Ratio Lower Upper

77 100

105 80.4 91.6 131.6#

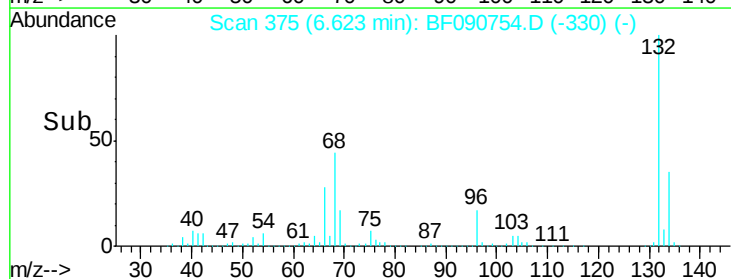
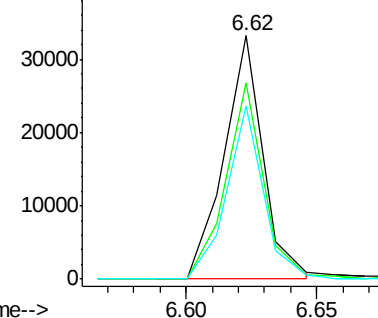
106 71.1 102.6 142.6#

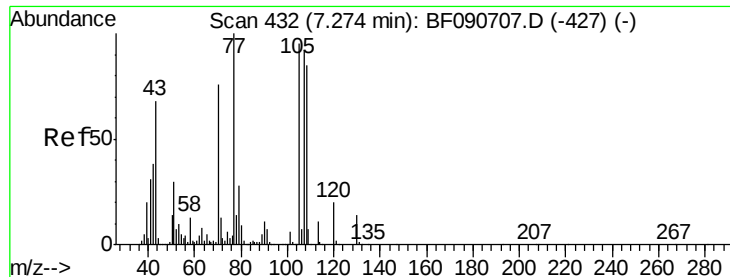


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

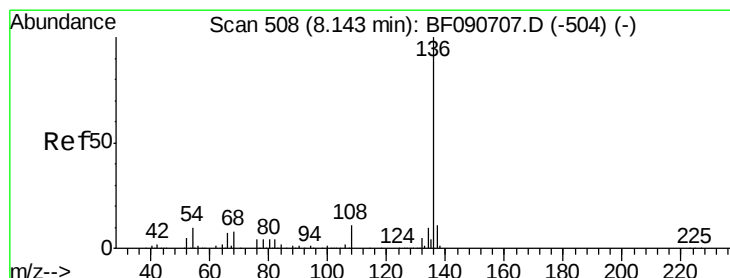
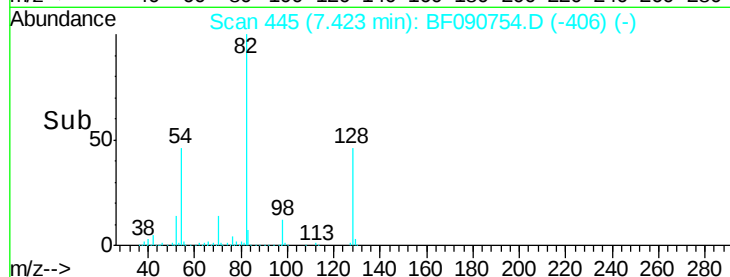
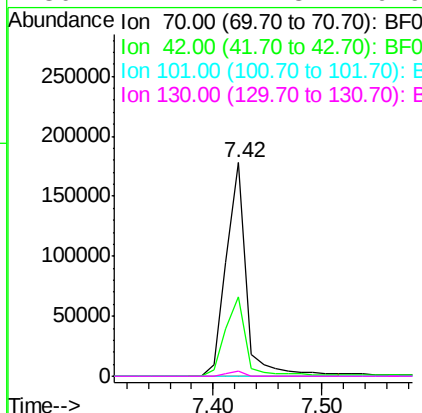
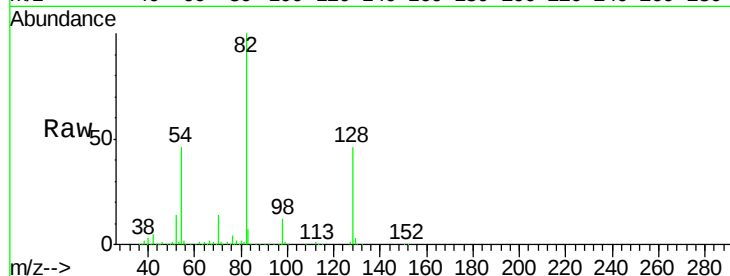




#19
n-Nitroso-di-n-propylamine
Concen: 14.85 ng
RT: 7.42 min Scan# 445
Delta R.T. 0.15 min
Lab File: BF090754.D
Acq: 22 Oct 2016 11:31

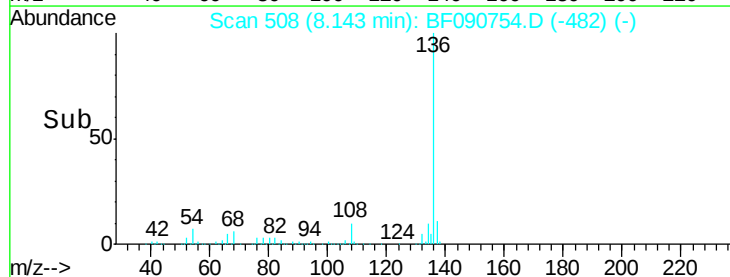
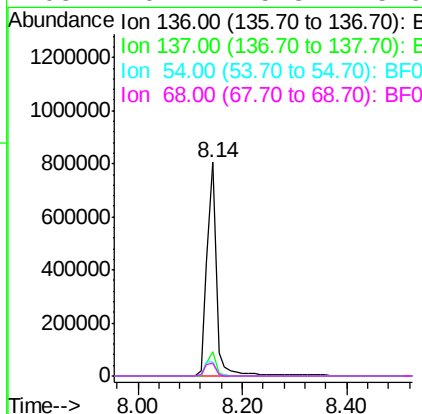
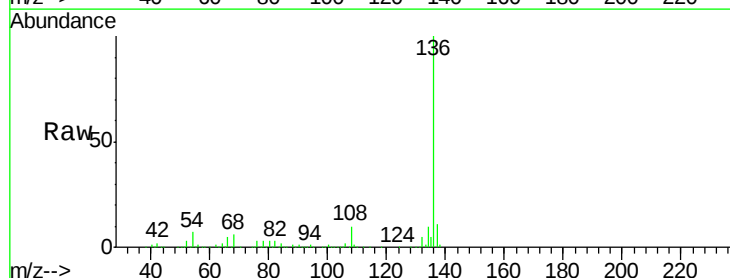
Instrument :
BNA_F
ClientSampleId :
MW-01I-101916

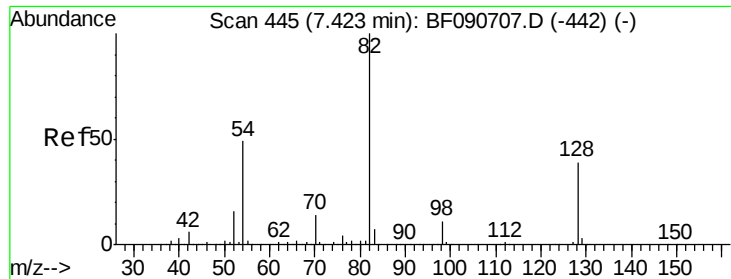
Tgt Ion: 70 Resp: 227731
Ion Ratio Lower Upper
70 100
42 37.4 63.8 95.6#
101 0.0 9.2 13.8#
130 2.1 27.3 40.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 508
Delta R.T. 0.00 min
Lab File: BF090754.D
Acq: 22 Oct 2016 11:31

Tgt Ion: 136 Resp: 1028183
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.6
54 6.8 8.2 12.2#
68 6.2 5.8 8.6

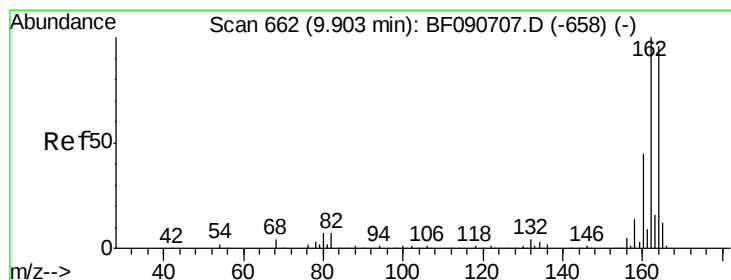
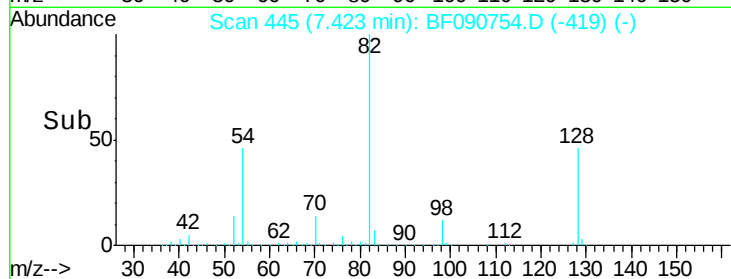
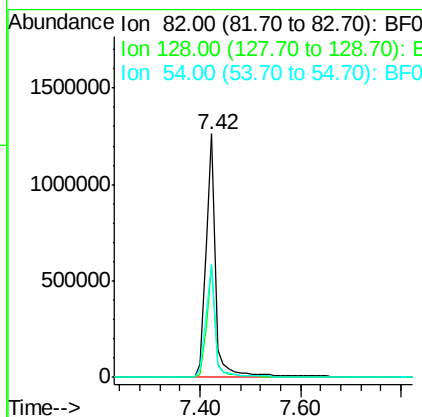
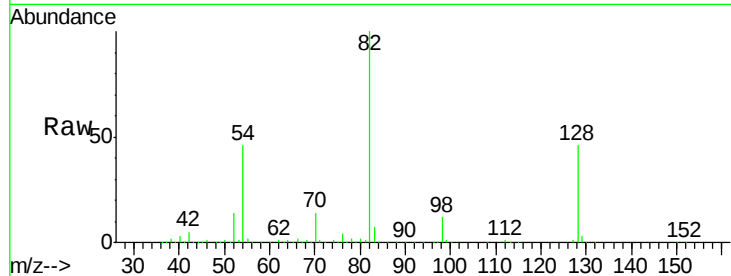




#23
Nitrobenzene-d5
Concen: 91.25 ng
RT: 7.42 min Scan# 445
Delta R.T. 0.00 min
Lab File: BF090754.D
Acq: 22 Oct 2016 11:31

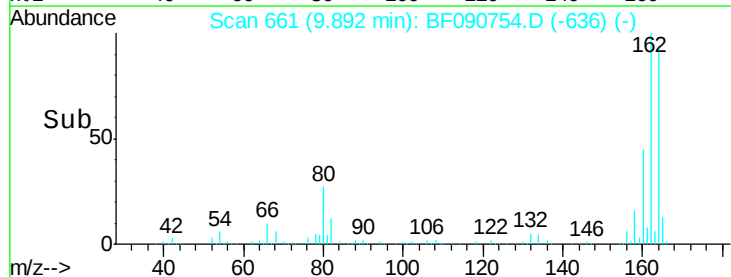
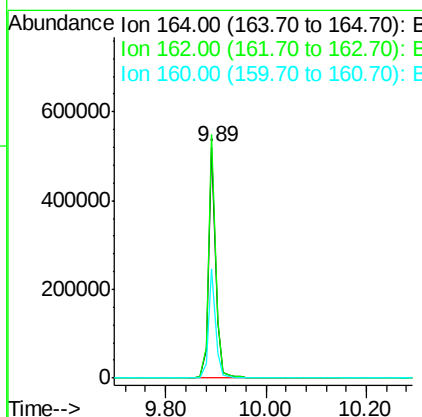
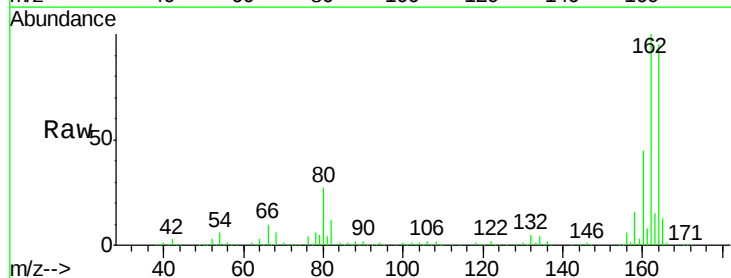
Instrument :
BNA_F
ClientSampleId :
MW-01I-101916

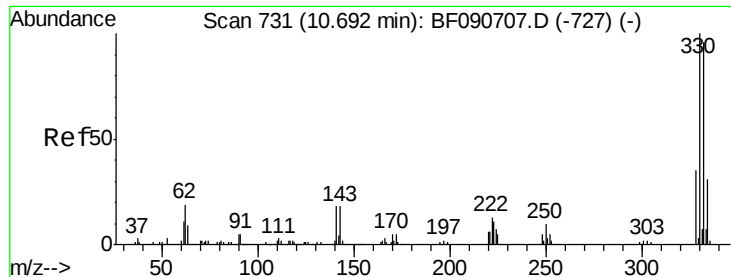
Tgt Ion: 82 Resp: 1710624
Ion Ratio Lower Upper
82 100
128 46.1 51.0 76.6#
54 46.4 47.5 71.3#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.89 min Scan# 661
Delta R.T. -0.01 min
Lab File: BF090754.D
Acq: 22 Oct 2016 11:31

Tgt Ion: 164 Resp: 517453
Ion Ratio Lower Upper
164 100
162 105.5 75.2 112.8
160 47.4 31.5 47.3#

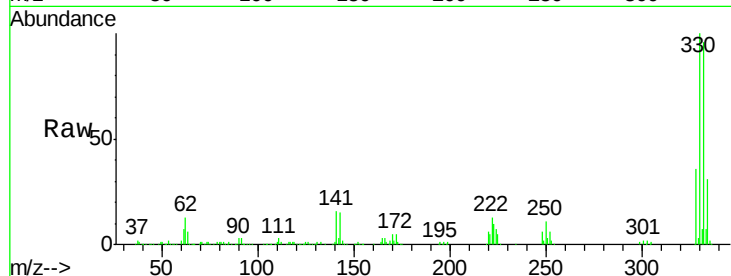




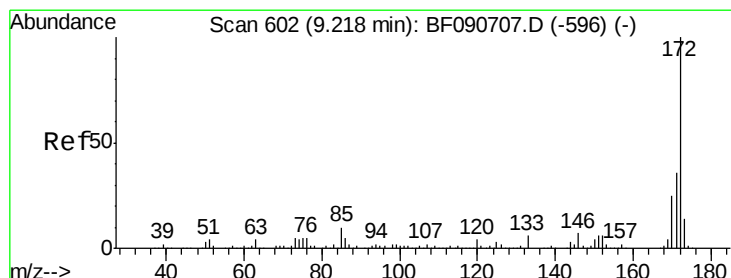
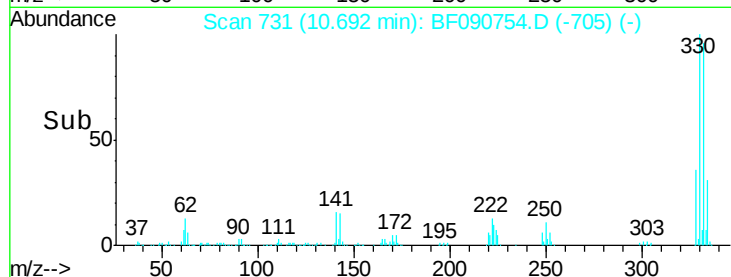
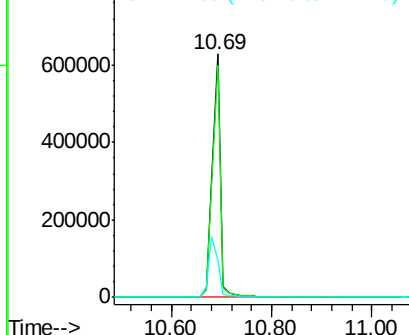
#41
 2,4,6-Tribromophenol
 Concen: 172.23 ng
 RT: 10.69 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: BF090754.D
 Acq: 22 Oct 2016 11:31

Instrument :
 BNA_F
 ClientSampleId :
 MW-01I-101916

Tgt Ion:330 Resp: 705401
 Ion Ratio Lower Upper
 330 100
 332 95.4 76.6 114.8
 141 30.4 29.7 44.5

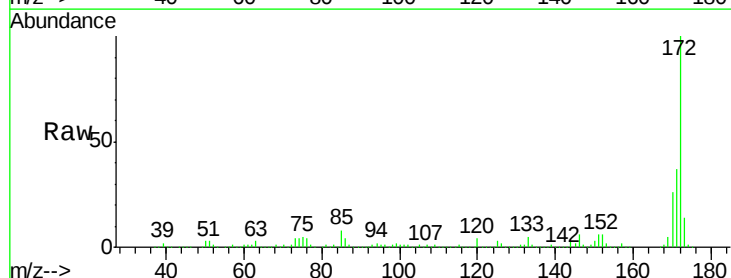


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

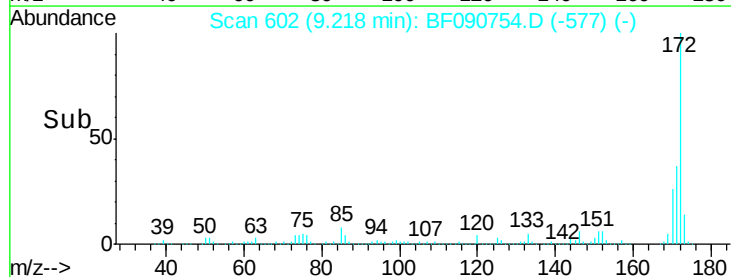
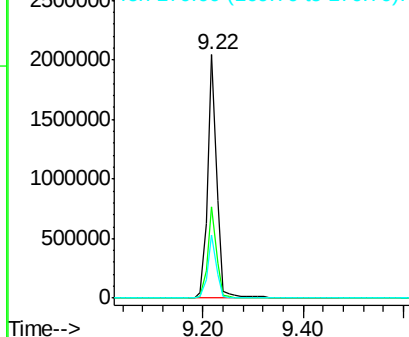


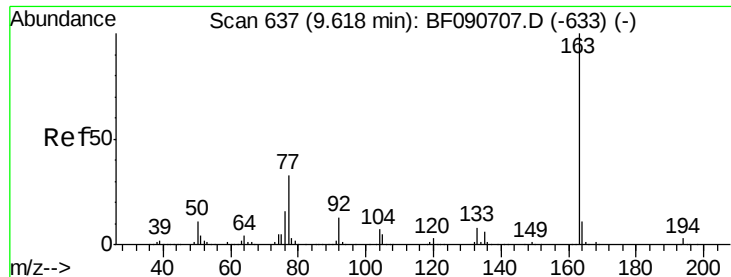
#44
 2-Fluorobiphenyl
 Concen: 78.14 ng
 RT: 9.22 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: BF090754.D
 Acq: 22 Oct 2016 11:31

Tgt Ion:172 Resp: 2604732
 Ion Ratio Lower Upper
 172 100
 171 37.5 26.1 39.1
 170 25.7 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: 2.65 ng

RT: 9.61 min Scan# 636

Delta R.T. -0.02 min

Lab File: BF090754.D

Acq: 22 Oct 2016 11:31

Instrument :

BNA_F

ClientSampleId :

MW-01I-101916

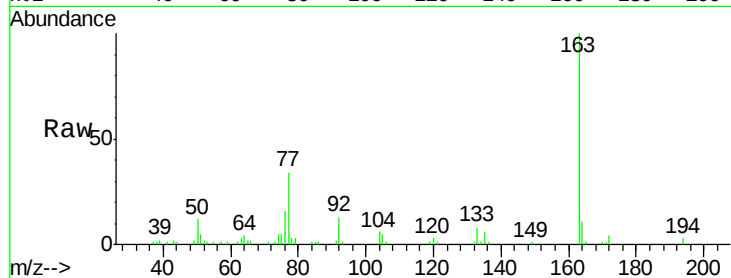
Tgt Ion:163 Resp: 86261

Ion Ratio Lower Upper

163 100

194 2.8 4.4 6.6#

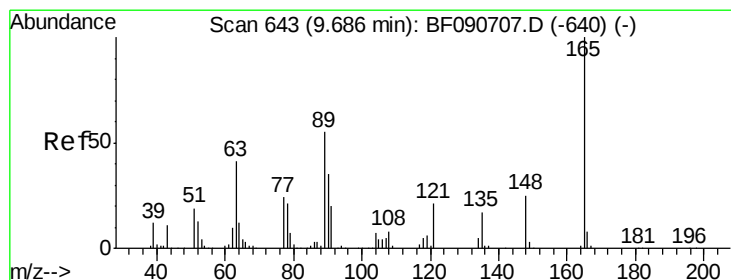
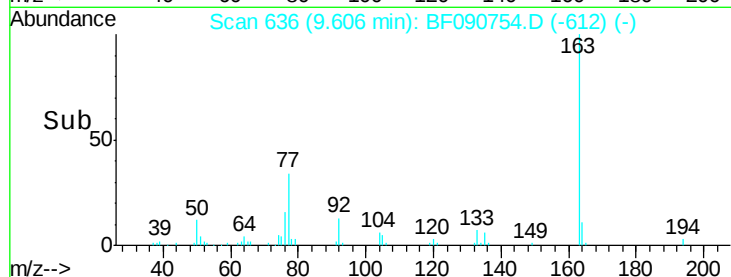
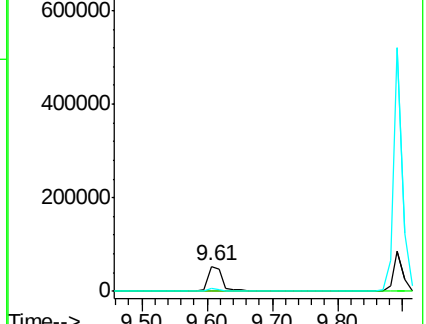
164 10.7 8.3 12.5



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: 9.51 ng

RT: 9.89 min Scan# 661

Delta R.T. 0.21 min

Lab File: BF090754.D

Acq: 22 Oct 2016 11:31

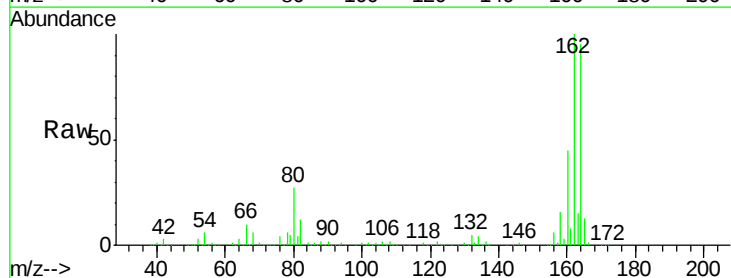
Tgt Ion:165 Resp: 66505

Ion Ratio Lower Upper

165 100

63 0.9 32.3 48.5#

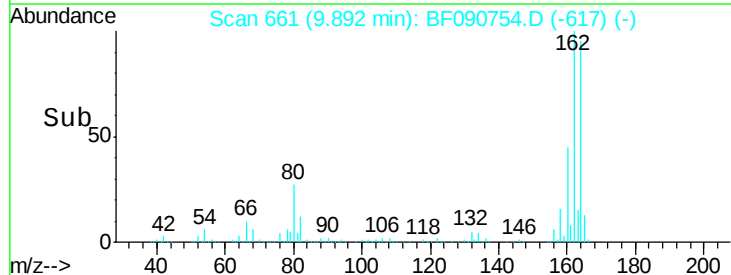
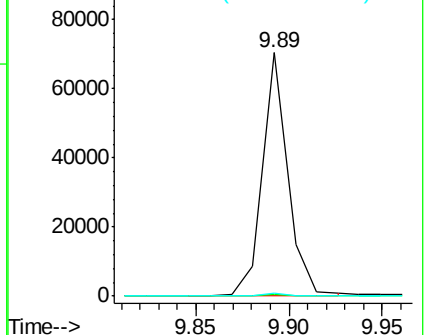
89 1.1 28.6 43.0#

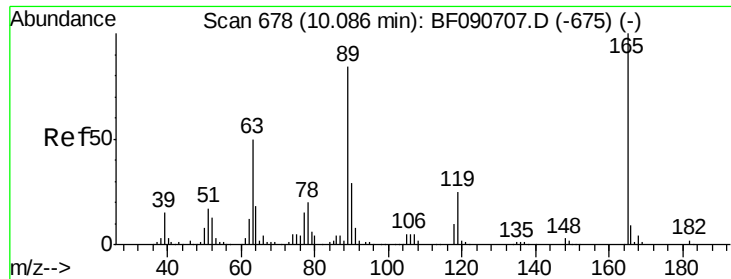


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

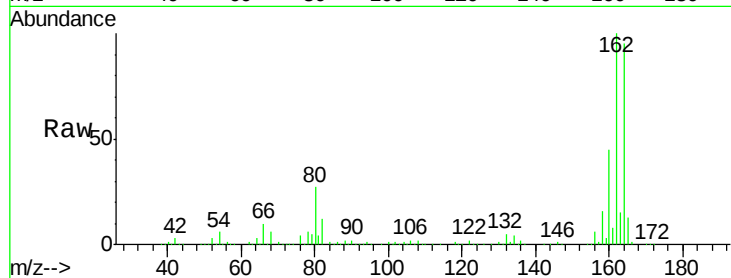




#56
2,4-Dinitrotoluene
Concen: 7.89 ng
RT: 9.89 min Scan# 661
Delta R.T. -0.19 min
Lab File: BF090754.D
Acq: 22 Oct 2016 11:31

Instrument :
BNA_F
ClientSampleId :
MW-01I-101916

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	29.8	44.6#
89	1.1	44.5	66.7#
182	0.0	3.0	4.4#

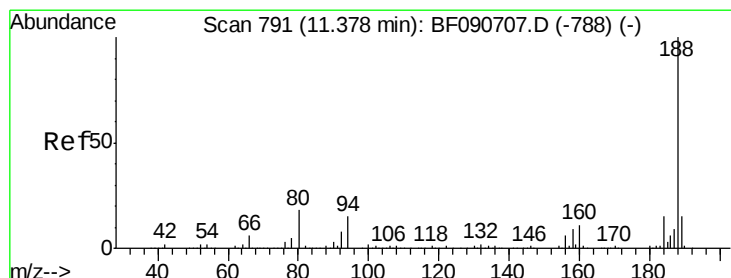
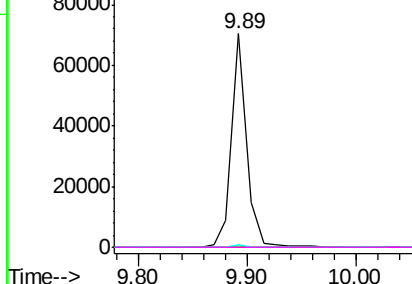
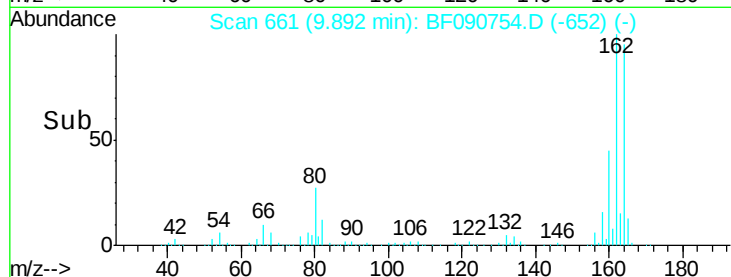


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

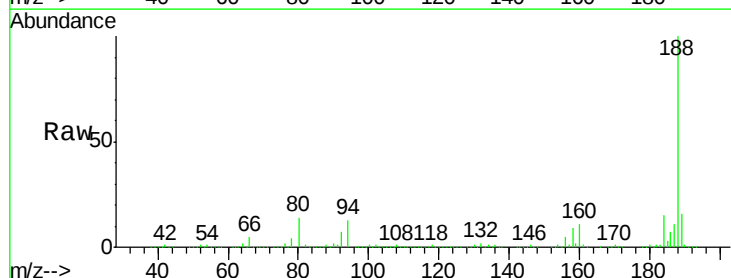
Ion 89.00 (88.70 to 89.70): BF0

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: BF090754.D
Acq: 22 Oct 2016 11:31

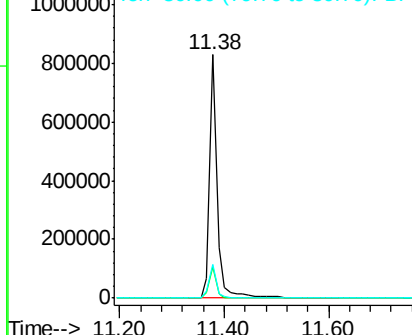
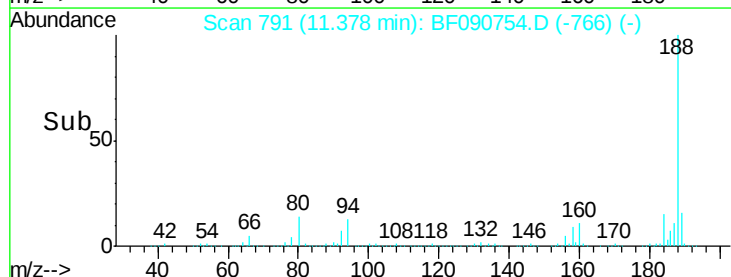
Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.7	11.1	16.7
80	14.1	11.0	16.4

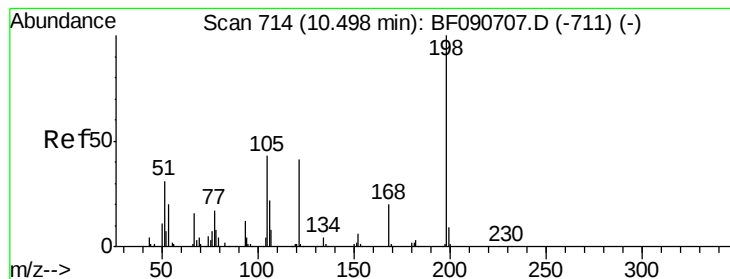


Abundance Ion 188.00 (187.70 to 188.70): E

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: 4.40 ng

RT: 10.69 min Scan# 731

Delta R.T. 0.20 min

Lab File: BF090754.D

Acq: 22 Oct 2016 11:31

Instrument :

BNA_F

ClientSampleId :

MW-01I-101916

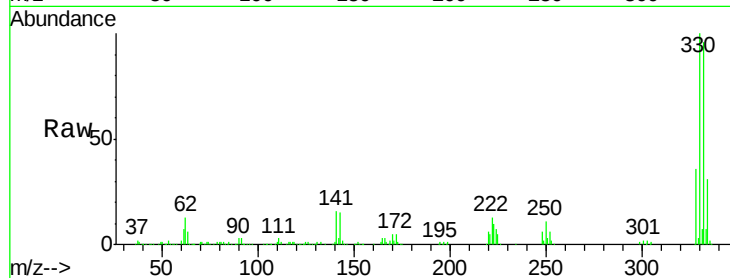
Tgt Ion:198 Resp: 1290

Ion Ratio Lower Upper

198 100

51 74.8 39.6 79.6

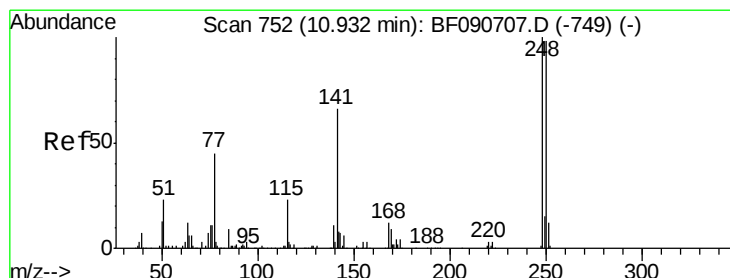
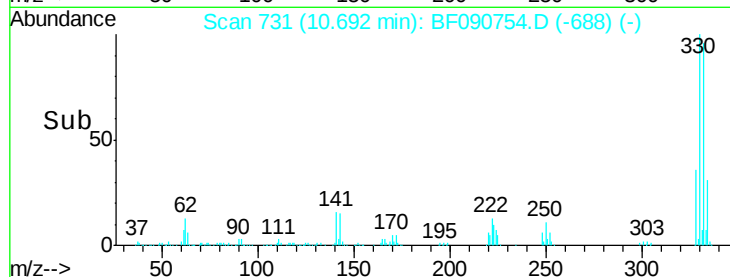
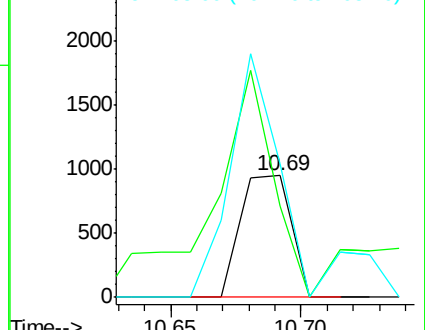
105 109.9 28.5 68.5#



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: 5.63 ng

RT: 10.69 min Scan# 731

Delta R.T. -0.24 min

Lab File: BF090754.D

Acq: 22 Oct 2016 11:31

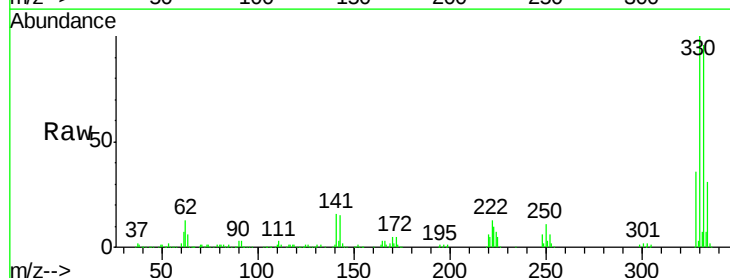
Tgt Ion:248 Resp: 45507

Ion Ratio Lower Upper

248 100

250 201.5 78.5 117.7#

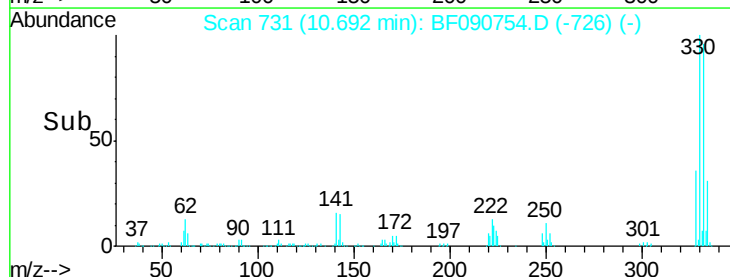
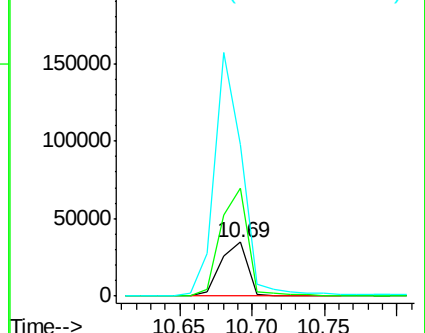
141 281.0 59.0 88.6#

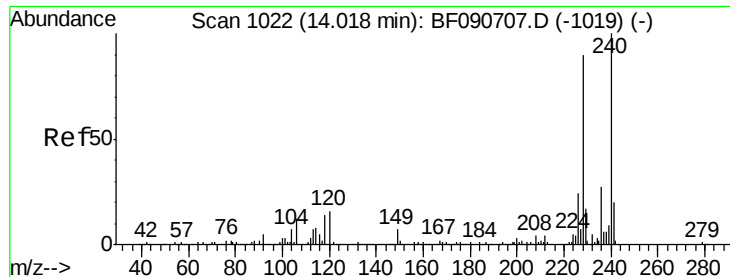


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF090754.D

Acq: 22 Oct 2016 11:31

Instrument :

BNA_F

ClientSampleId :

MW-01I-101916

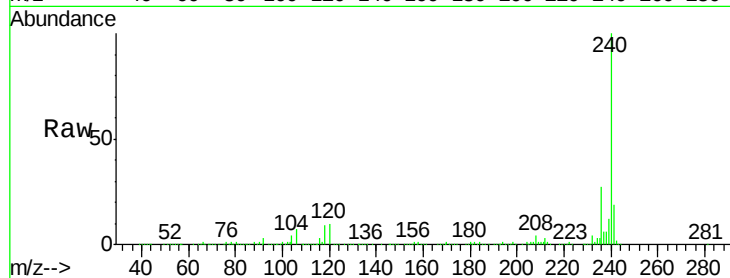
Tgt Ion:240 Resp: 515346

Ion Ratio Lower Upper

240 100

120 10.3 16.2 24.2#

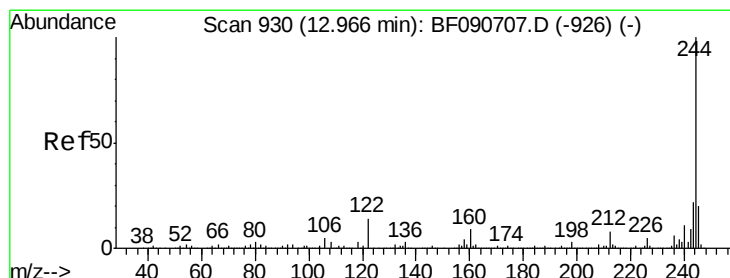
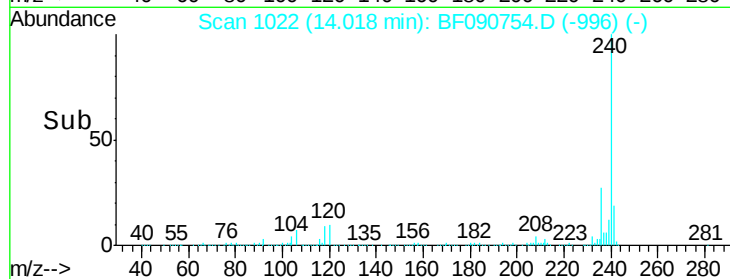
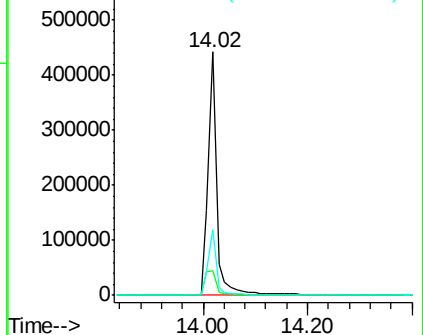
236 27.2 18.4 27.6



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: 109.86 ng

RT: 12.97 min Scan# 930

Delta R.T. 0.00 min

Lab File: BF090754.D

Acq: 22 Oct 2016 11:31

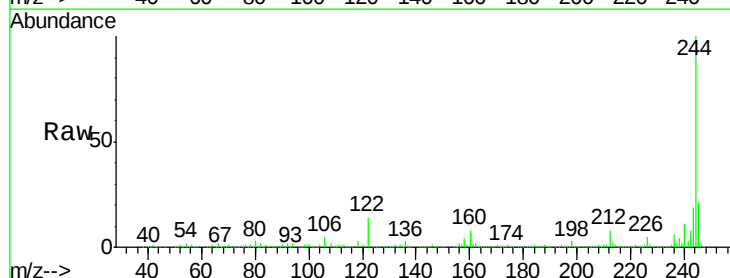
Tgt Ion:244 Resp: 2470215

Ion Ratio Lower Upper

244 100

212 7.7 4.3 6.5#

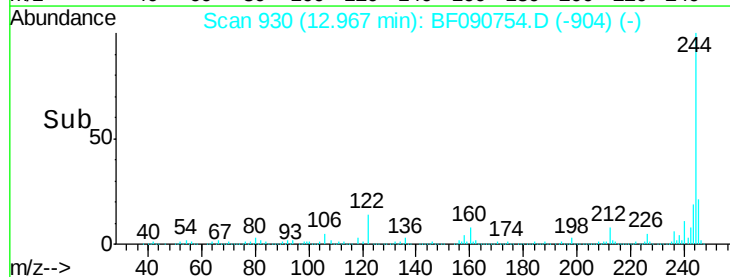
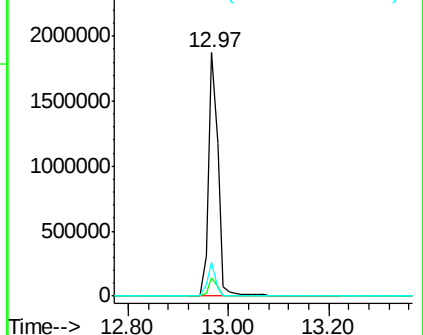
122 13.9 17.4 26.2#

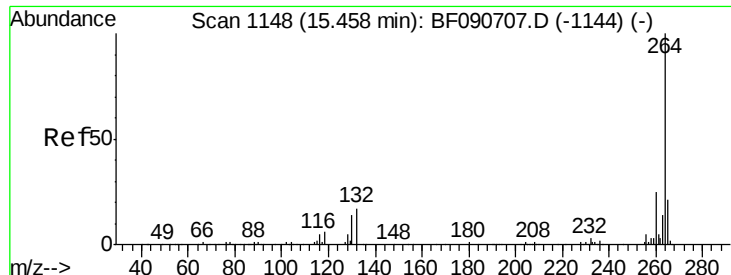


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

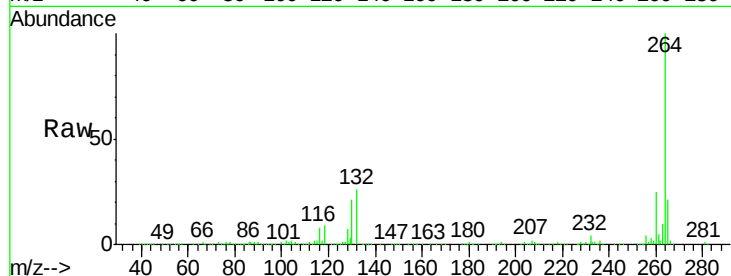




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.45 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF090754.D
Acq: 22 Oct 2016 11:31

Instrument :
BNA_F
ClientSampleId :
MW-01I-101916

Tgt Ion: 264 Resp: 364589
Ion Ratio Lower Upper
264 100
260 24.6 16.7 25.1
265 21.4 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

