

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102416\
 Data File : BF090792.D
 Acq On : 24 Oct 2016 17:26
 Operator : UM/SJ
 Sample : H5357-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IDW-Z2-B545-161019

Quant Time: Oct 24 18:02:59 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

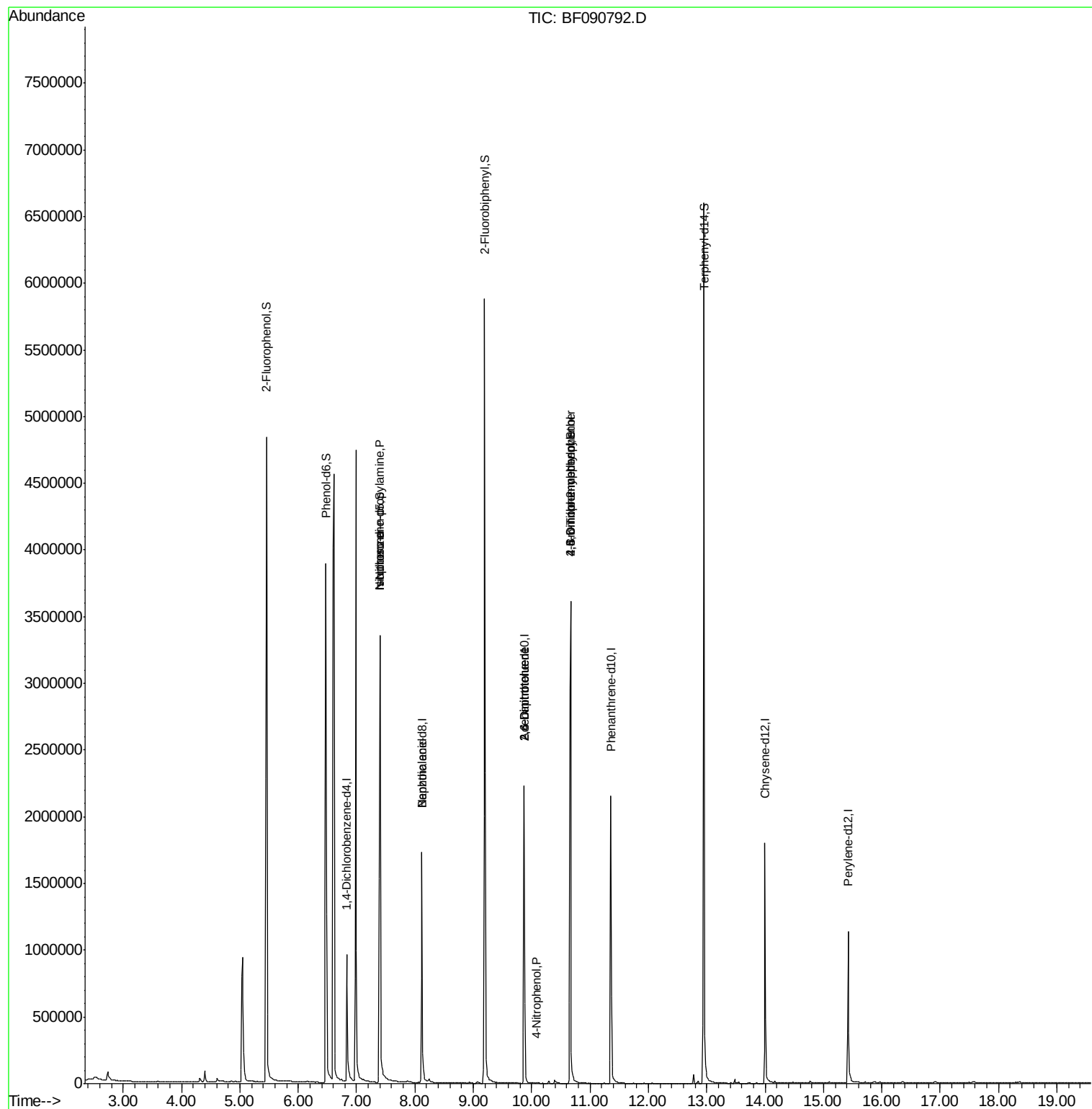
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	236180	20.00	ng	-0.03
21) Naphthalene-d8	8.12	136	1037668	20.00	ng	-0.02
38) Acenaphthene-d10	9.87	164	534366	20.00	ng	-0.03
63) Phenanthrene-d10	11.35	188	905093	20.00	ng	-0.03
75) Chrysene-d12	14.00	240	727890	20.00	ng	-0.02
86) Perylene-d12	15.42	264	528987	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1655008	113.01	ng	0.00
7) Phenol-d6	6.47	99	1923341	96.96	ng	-0.02
23) Nitrobenzene-d5	7.40	82	1541883	81.50	ng	-0.02
41) 2,4,6-Tribromophenol	10.67	330	769673	181.98	ng	-0.02
44) 2-Fluorobiphenyl	9.19	172	2581794	75.00	ng	-0.03
78) Terphenyl-d14	12.95	244	2867572	90.29	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	204491	13.84	ng	# 51
25) Isophorone	7.40	82	1122992	31.36	ng	# 58
32) Benzoic acid	8.12	122	207	7.57	ng	# 1
50) 2,6-Dinitrotoluene	9.87	165	67659	9.37	ng	# 38
55) 4-Nitrophenol	10.09	139	667	6.06	ng	# 25
56) 2,4-Dinitrotoluene	9.87	165	68640	7.78	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.67	198	1349	4.39	ng	# 35
66) 4-Bromophenyl-phenylether	10.67	248	52232	5.95	ng	# 1

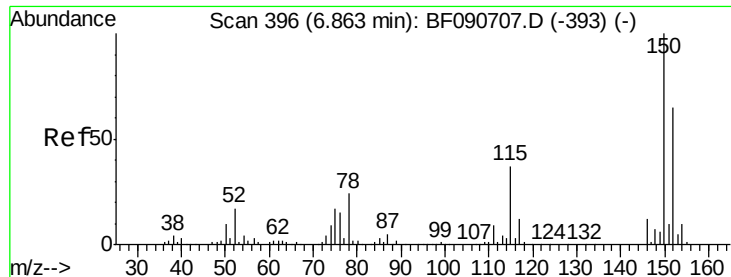
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 393

Delta R.T. -0.03 min

Lab File: BF090792.D

Acq: 24 Oct 2016 17:26

Instrument :

BNA_F

ClientSampleId :

IDW-Z2-B545-161019

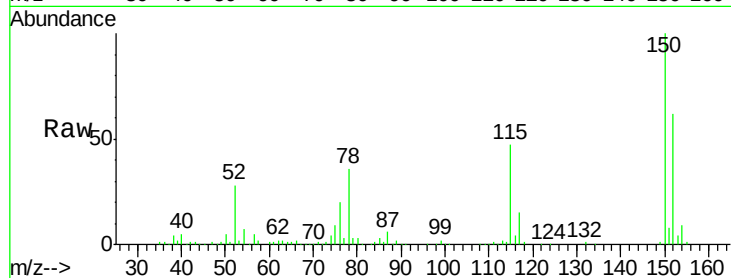
Tot Ion:152 Resp: 236180

Ion Ratio Lower Upper

152 100

150 160.8 124.7 187.1

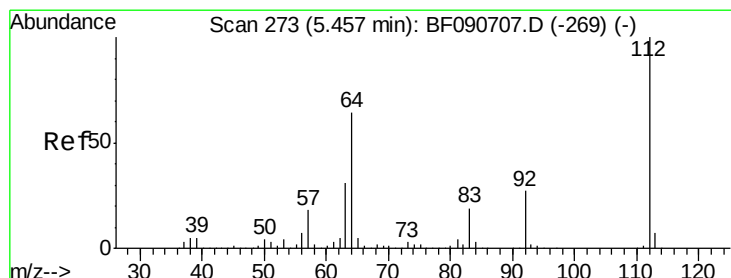
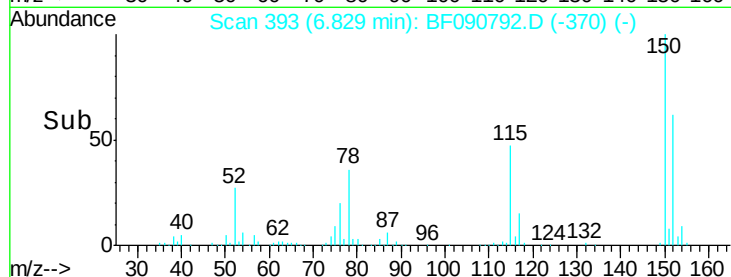
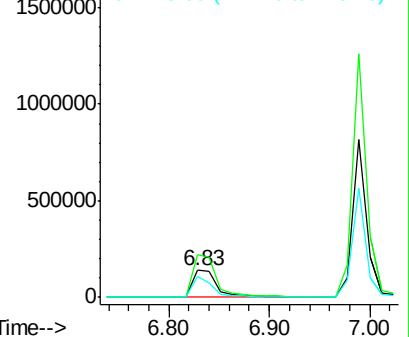
115 76.3 39.0 58.4#



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: 113.01 ng

RT: 5.46 min Scan# 273

Delta R.T. 0.00 min

Lab File: BF090792.D

Acq: 24 Oct 2016 17:26

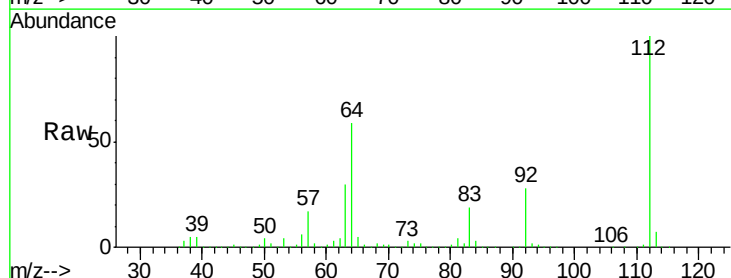
Tgt Ion:112 Resp: 1655008

Ion Ratio Lower Upper

112 100

64 59.3 39.7 59.5

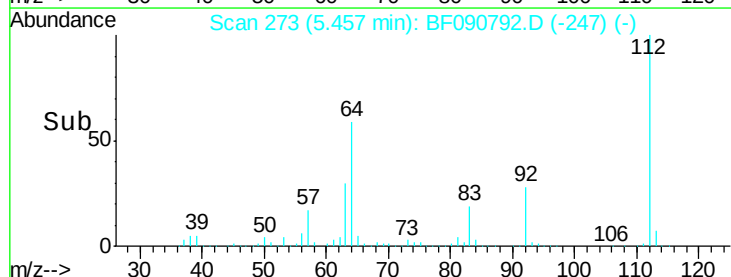
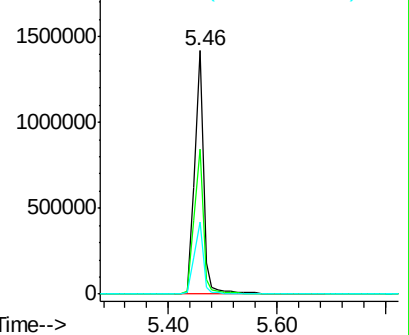
63 29.8 17.4 26.0#

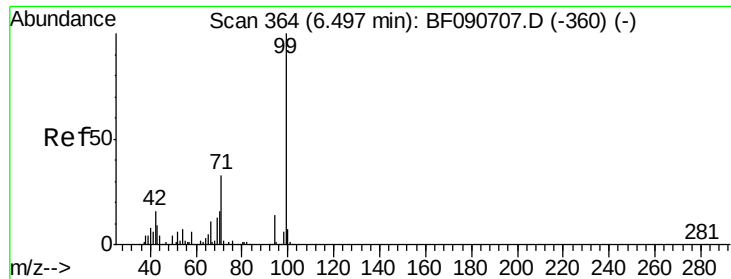


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 96.96 ng

RT: 6.47 min Scan# 362

Delta R.T. -0.02 min

Lab File: BF090792.D

Acq: 24 Oct 2016 17:26

Instrument :

BNA_F

ClientSampleId :

IDW-Z2-B545-161019

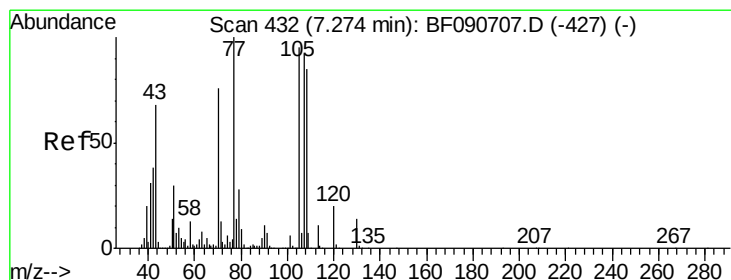
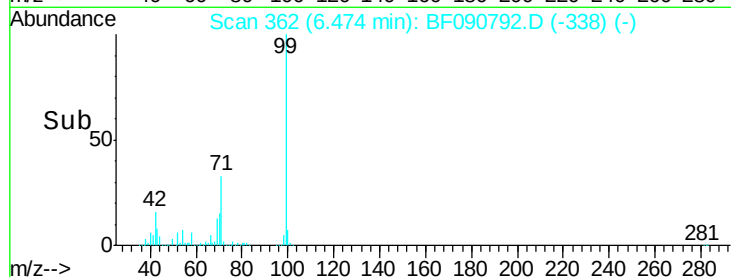
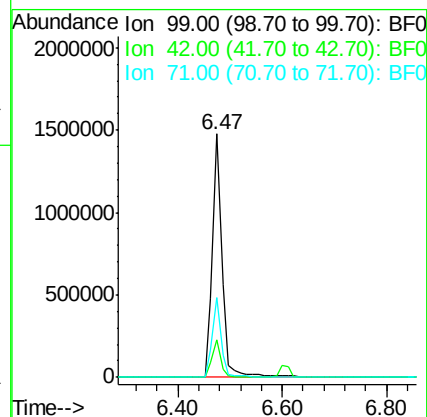
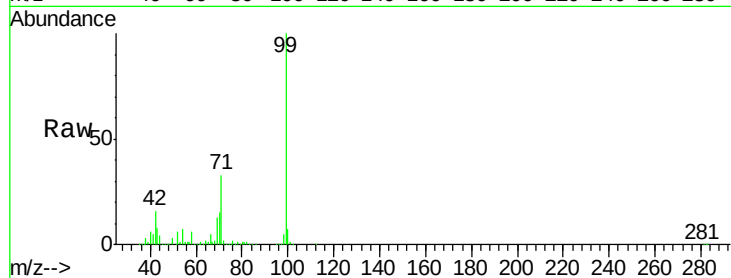
Tot Ion: 99 Resp: 1923341

Ion Ratio Lower Upper

99 100

42 15.7 13.7 20.5

71 33.0 14.2 21.2#



#19

n-Nitroso-di-n-propylamine

Concen: 13.84 ng

RT: 7.40 min Scan# 443

Delta R.T. 0.13 min

Lab File: BF090792.D

Acq: 24 Oct 2016 17:26

Tgt Ion: 70 Resp: 204491

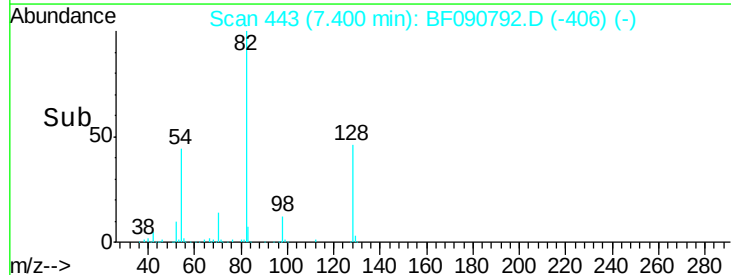
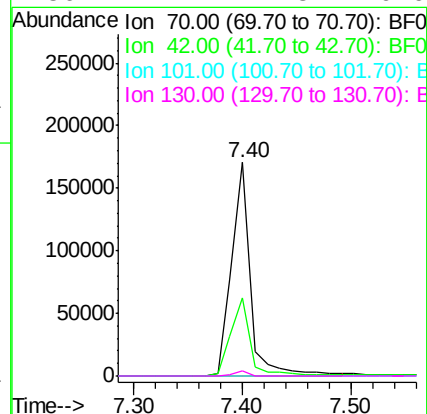
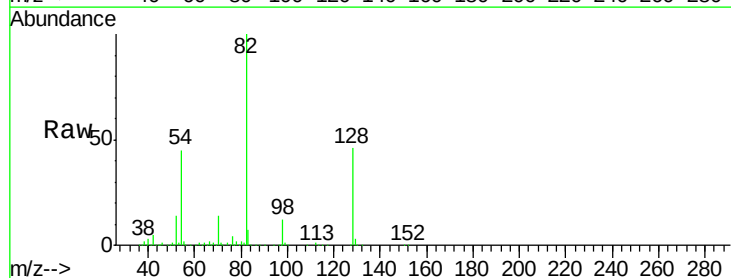
Ion Ratio Lower Upper

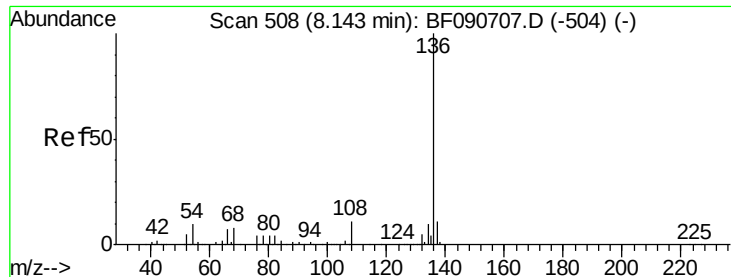
70 100

42 36.3 63.8 95.6#

101 0.0 9.2 13.8#

130 2.2 27.3 40.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 506

Delta R.T. -0.02 min

Lab File: BF090792.D

Acq: 24 Oct 2016 17:26

Instrument :

BNA_F

ClientSampleId :

IDW-Z2-B545-161019

Tot Ion:136 Resp: 1037668

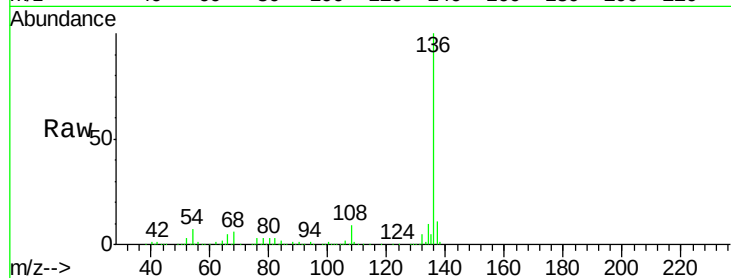
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.6

54 6.7 8.2 12.2#

68 6.2 5.8 8.6

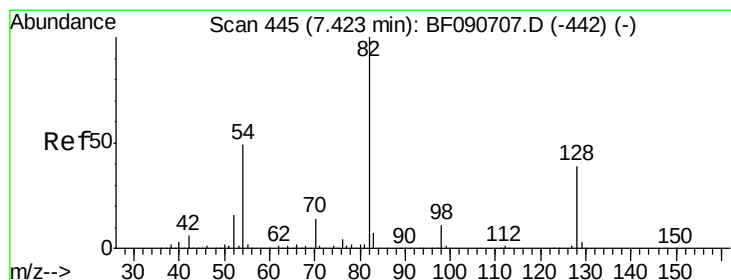
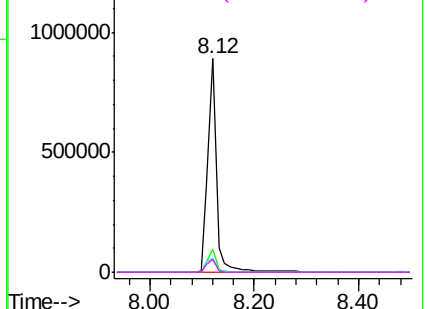
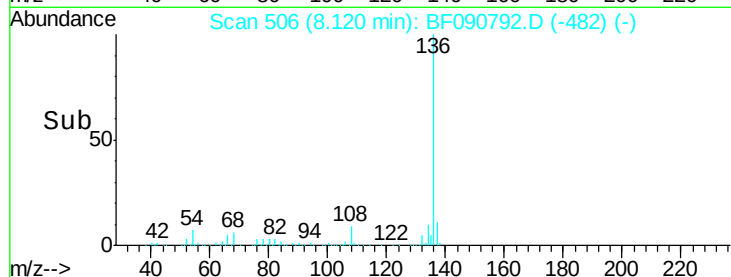


Abundance Ion 136.00 (135.70 to 136.70): E

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: 81.50 ng

RT: 7.40 min Scan# 443

Delta R.T. -0.02 min

Lab File: BF090792.D

Acq: 24 Oct 2016 17:26

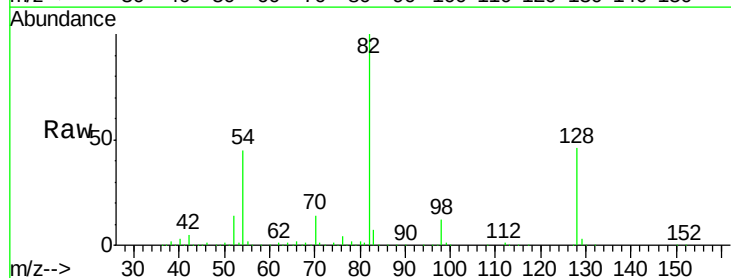
Tgt Ion: 82 Resp: 1541883

Ion Ratio Lower Upper

82 100

128 46.3 51.0 76.6#

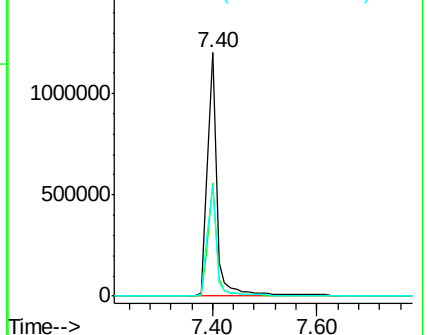
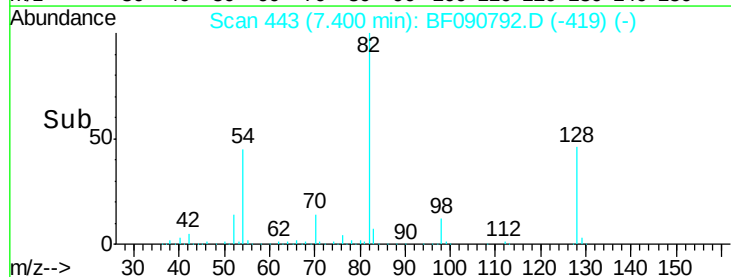
54 45.2 47.5 71.3#

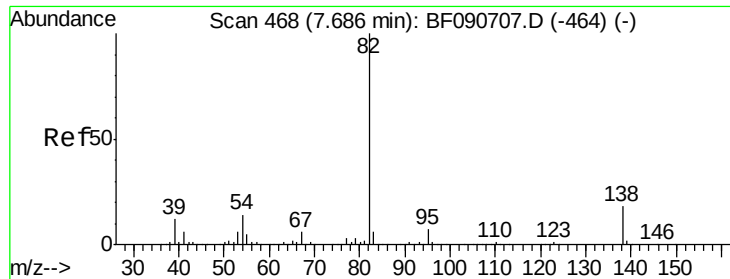


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 31.36 ng

RT: 7.40 min Scan# 443

Delta R.T. -0.29 min

Lab File: BF090792.D

Acq: 24 Oct 2016 17:26

Instrument :

BNA_F

ClientSampleId :

IDW-Z2-B545-161019

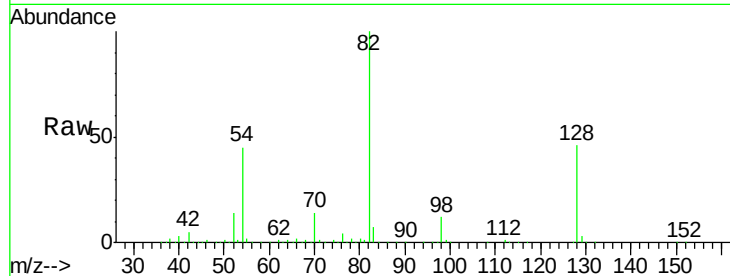
Tot Ion: 82 Resp: 1122992

Ion Ratio Lower Upper

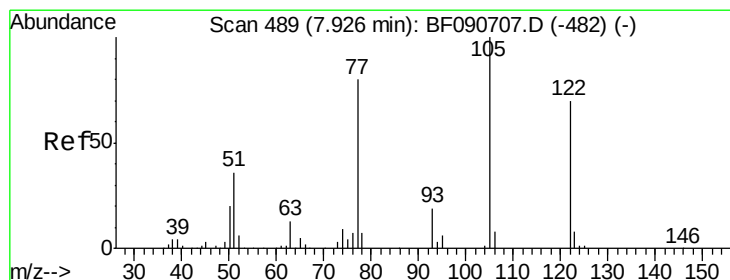
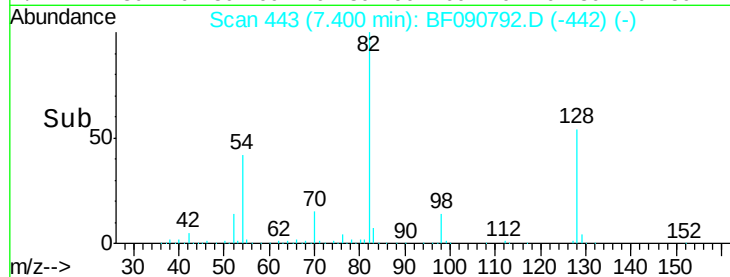
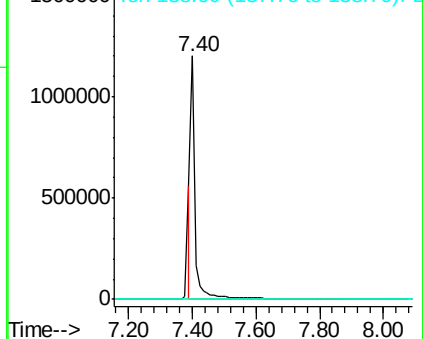
82 100

95 0.0 4.0 6.0#

138 0.0 18.3 27.5#



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: 7.57 ng

RT: 8.12 min Scan# 506

Delta R.T. 0.18 min

Lab File: BF090792.D

Acq: 24 Oct 2016 17:26

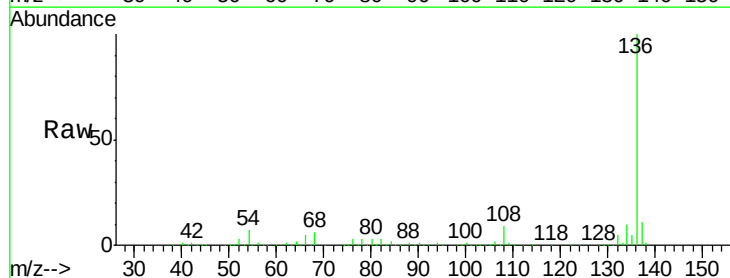
Tgt Ion:122 Resp: 207

Ion Ratio Lower Upper

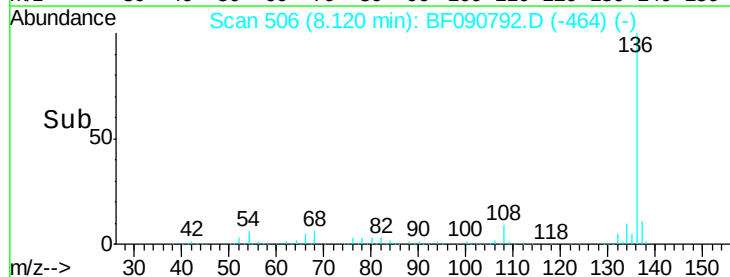
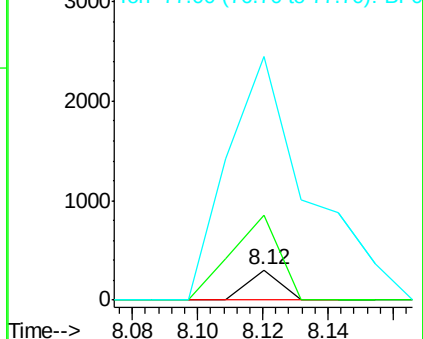
122 100

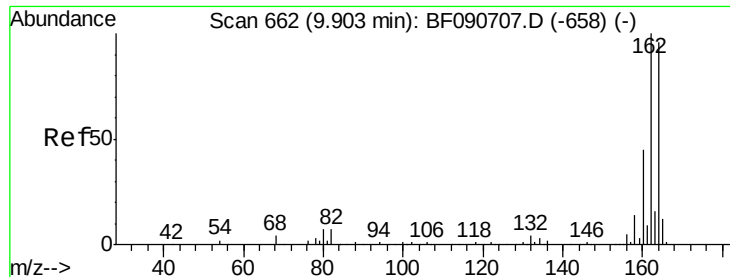
105 281.8 76.1 116.1#

77 810.6 40.5 80.5#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 659

Delta R.T. -0.03 min

Lab File: BF090792.D

Acq: 24 Oct 2016 17:26

Instrument :

BNA_F

ClientSampleId :

IDW-Z2-B545-161019

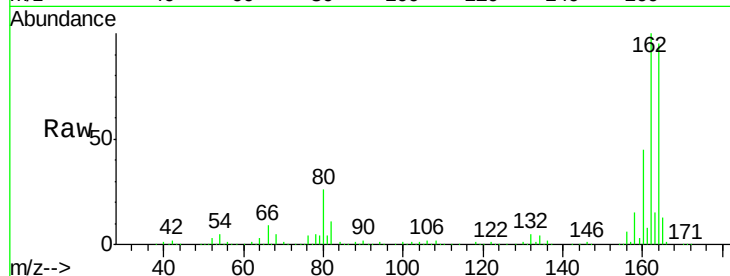
Tot Ion:164 Resp: 534366

Ion Ratio Lower Upper

164 100

162 104.8 75.2 112.8

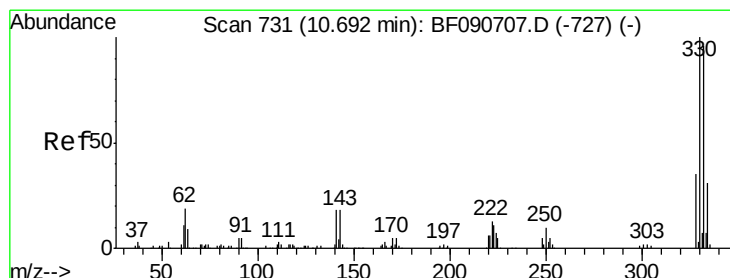
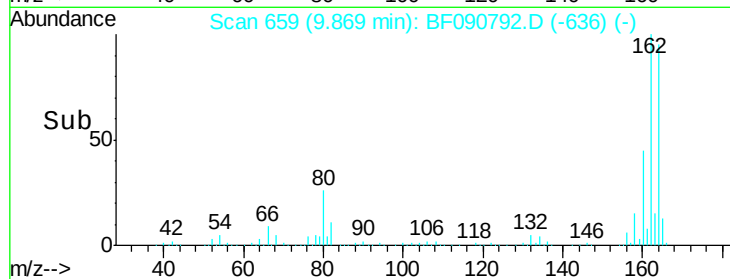
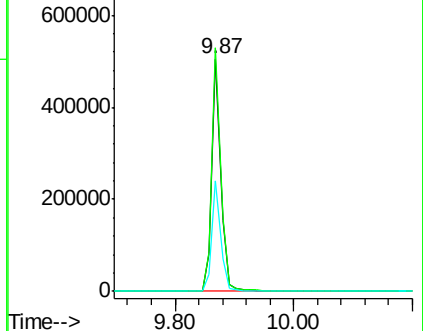
160 47.6 31.5 47.3#



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: 181.98 ng

RT: 10.67 min Scan# 729

Delta R.T. -0.02 min

Lab File: BF090792.D

Acq: 24 Oct 2016 17:26

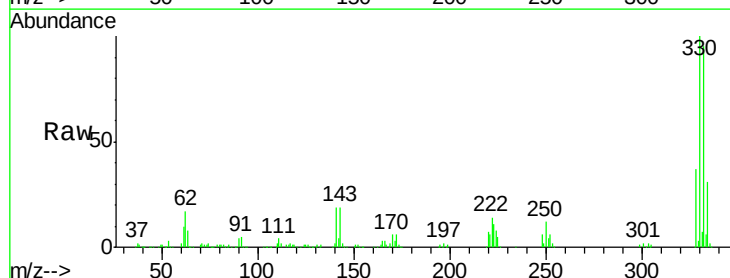
Tgt Ion:330 Resp: 769673

Ion Ratio Lower Upper

330 100

332 94.9 76.6 114.8

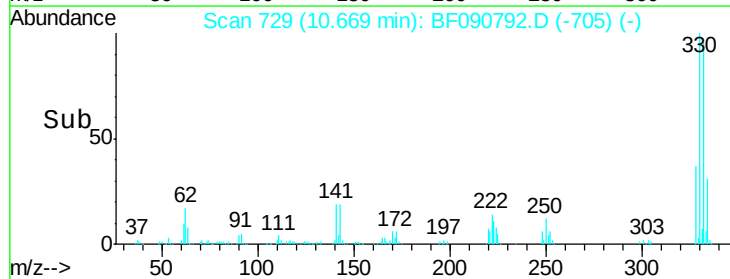
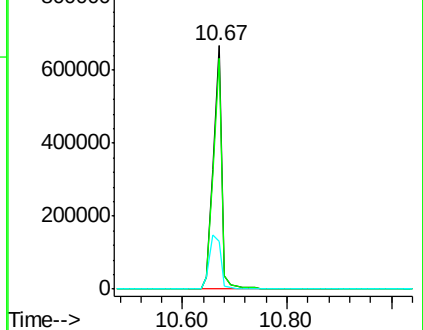
141 30.6 29.7 44.5

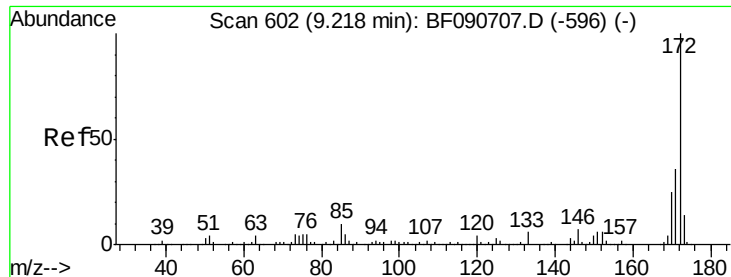


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

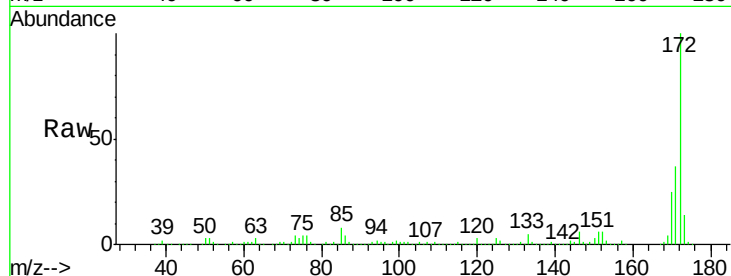




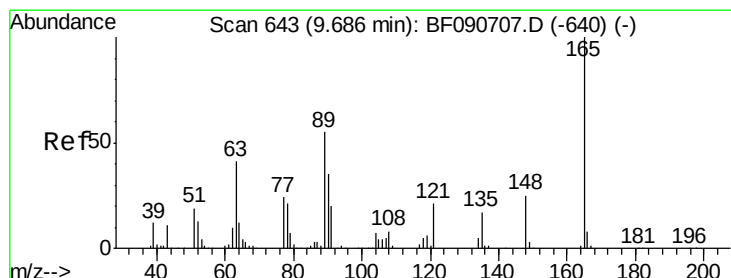
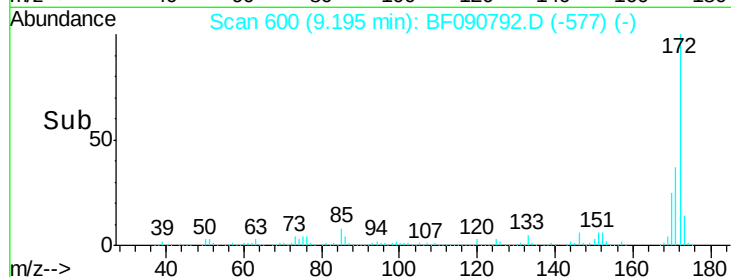
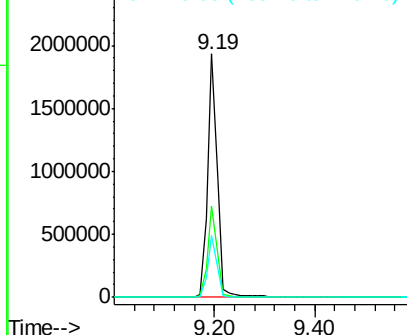
#44
2-Fluorobiphenyl
Concen: 75.00 ng
RT: 9.19 min Scan# 600
Delta R.T. -0.03 min
Lab File: BF090792.D
Acq: 24 Oct 2016 17:26

Instrument :
BNA_F
ClientSampleId :
IDW-Z2-B545-161019

Tot Ion:172 Resp: 2581794
Ion Ratio Lower Upper
172 100
171 37.4 26.1 39.1
170 25.3 17.4 26.2

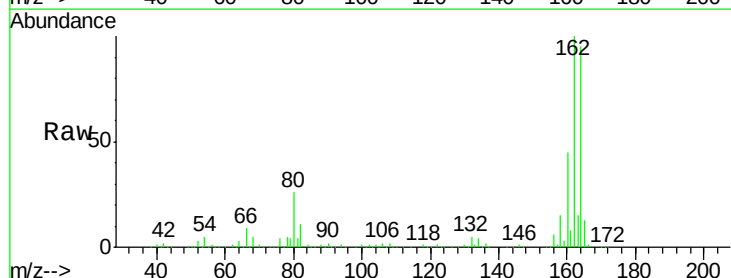


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

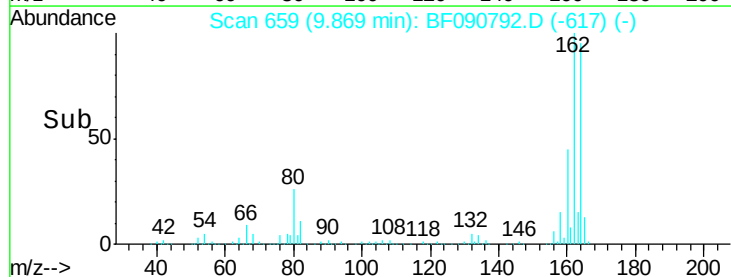
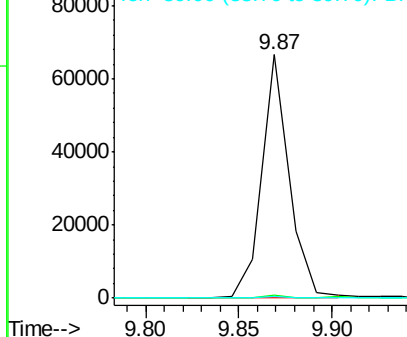


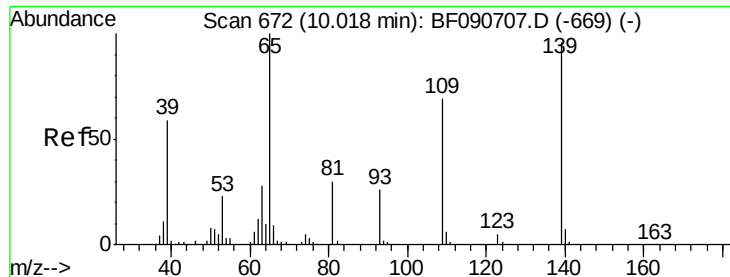
#50
2,6-Dinitrotoluene
Concen: 9.37 ng
RT: 9.87 min Scan# 659
Delta R.T. 0.18 min
Lab File: BF090792.D
Acq: 24 Oct 2016 17:26

Tgt Ion:165 Resp: 67659
Ion Ratio Lower Upper
165 100
63 1.1 32.3 48.5#
89 0.9 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

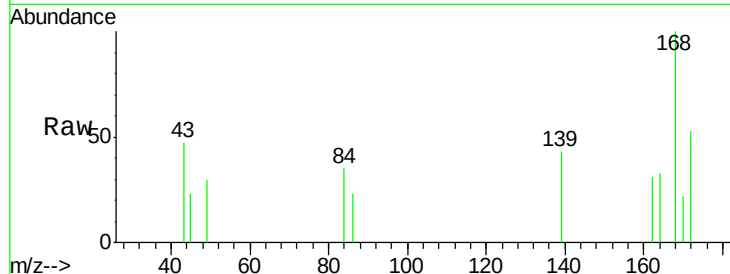




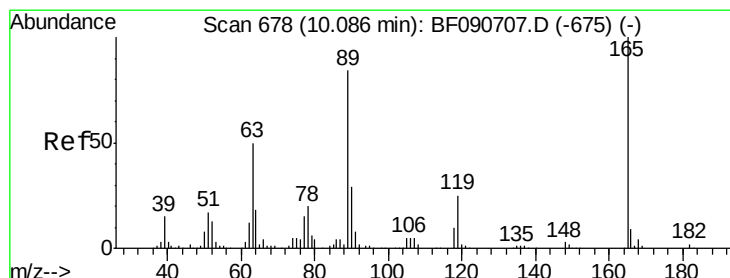
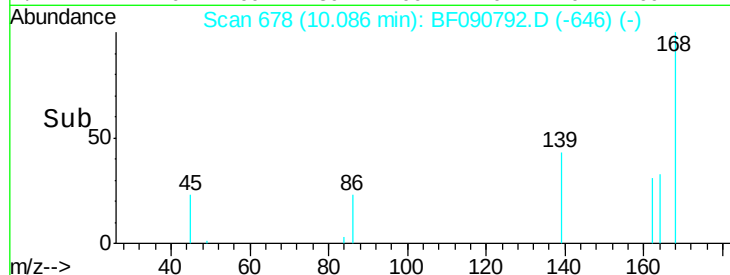
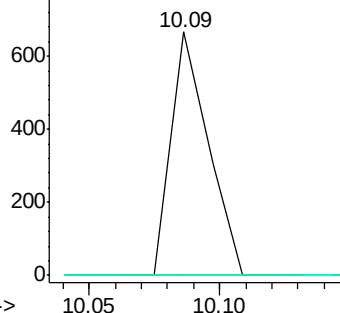
#55
4-Nitrophenol
Concen: 6.06 ng
RT: 10.09 min Scan# 678
Delta R.T. 0.07 min
Lab File: BF090792.D
Acq: 24 Oct 2016 17:26

Instrument :
BNA_F
ClientSampleId :
IDW-Z2-B545-161019

Tot Ion:139 Resp: 667
Ion Ratio Lower Upper
139 100
109 0.0 12.7 52.7#
65 0.0 45.9 85.9#

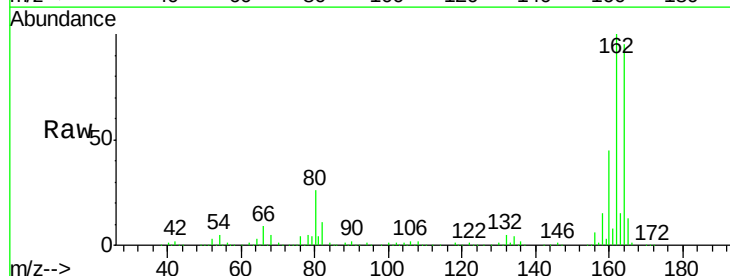


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): E

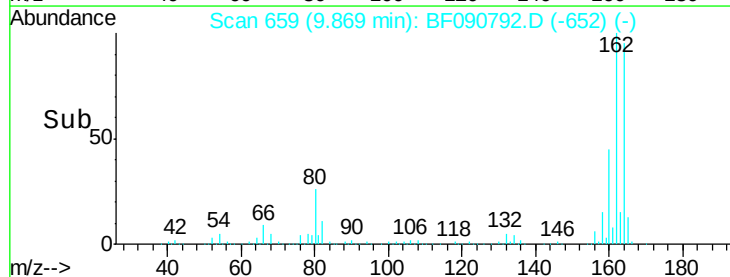
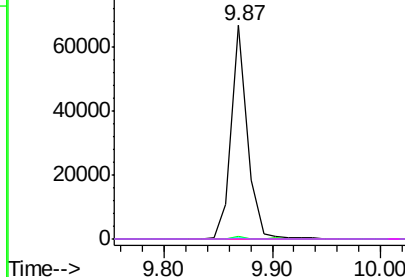


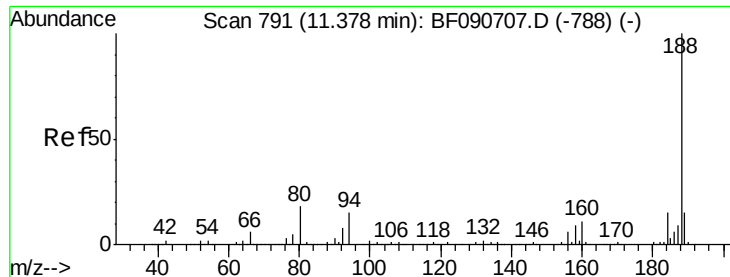
#56
2,4-Dinitrotoluene
Concen: 7.78 ng
RT: 9.87 min Scan# 659
Delta R.T. -0.22 min
Lab File: BF090792.D
Acq: 24 Oct 2016 17:26

Tgt Ion:165 Resp: 68640
Ion Ratio Lower Upper
165 100
63 1.1 29.8 44.6#
89 0.9 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

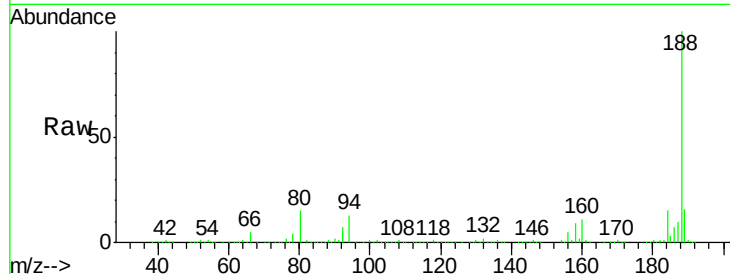




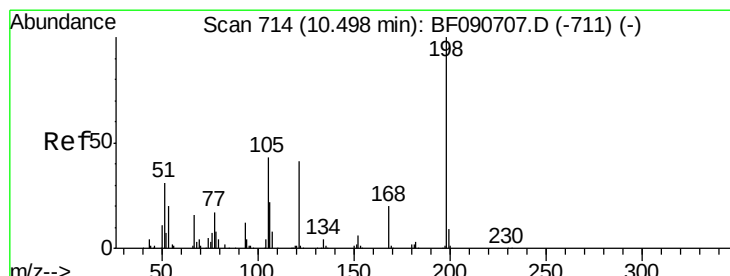
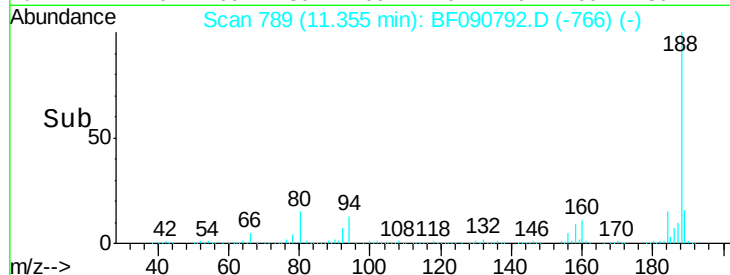
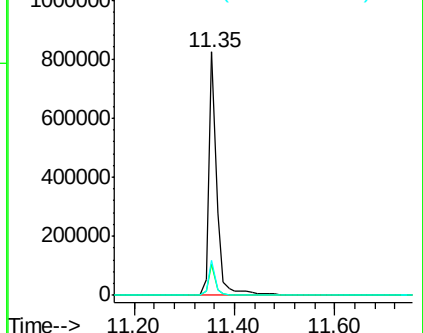
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 789
Delta R.T. -0.03 min
Lab File: BF090792.D
Acq: 24 Oct 2016 17:26

Instrument :
BNA_F
ClientSampleId :
IDW-Z2-B545-161019

Tot Ion:188 Resp: 905093
Ion Ratio Lower Upper
188 100
94 13.0 11.1 16.7
80 14.6 11.0 16.4

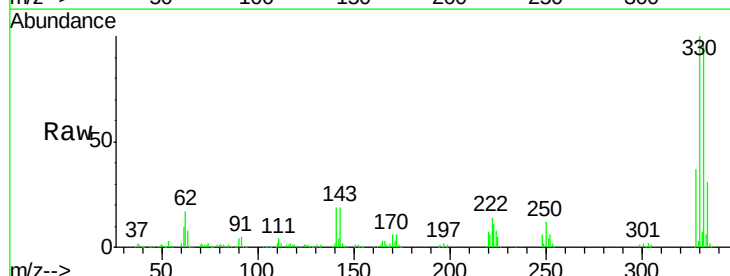


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

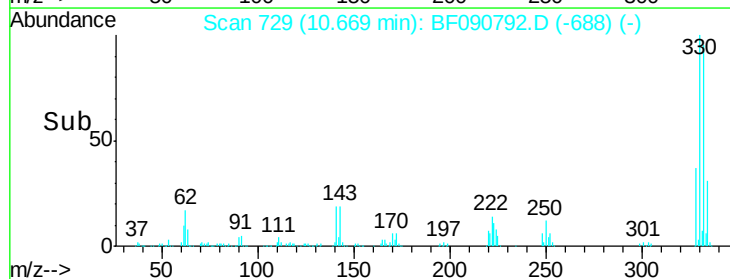
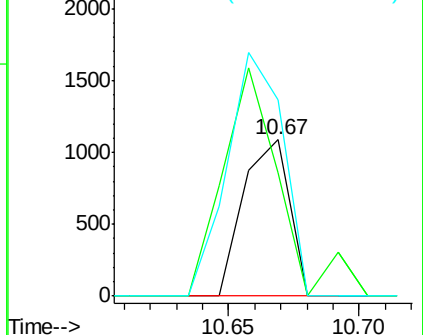


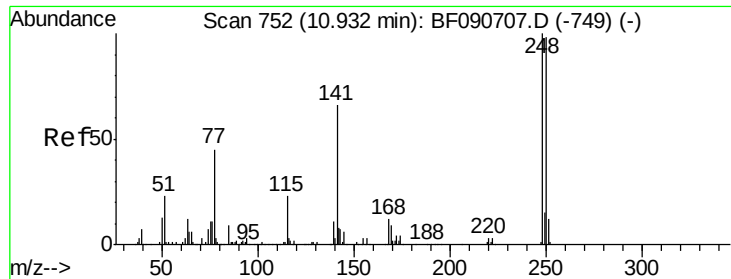
#64
4,6-Dinitro-2-methylphenol
Concen: 4.39 ng
RT: 10.67 min Scan# 729
Delta R.T. 0.17 min
Lab File: BF090792.D
Acq: 24 Oct 2016 17:26

Tgt Ion:198 Resp: 1349
Ion Ratio Lower Upper
198 100
51 79.0 39.6 79.6
105 125.5 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

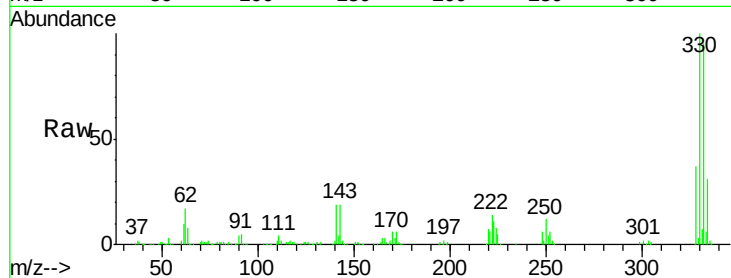




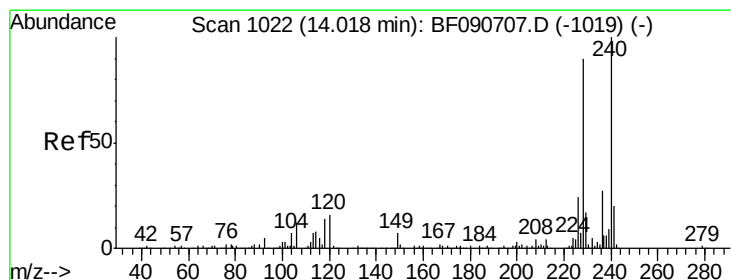
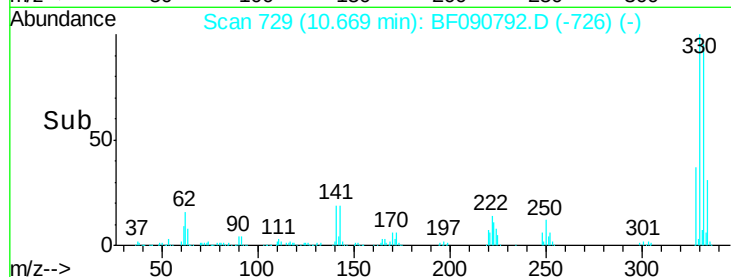
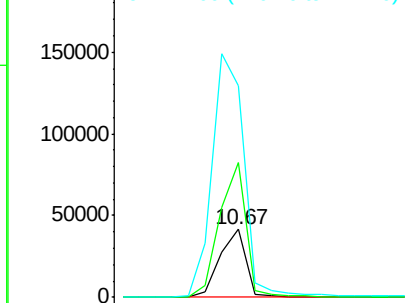
#66
4-Bromophenyl-phenylether
Concen: 5.95 ng
RT: 10.67 min Scan# 729
Delta R.T. -0.26 min
Lab File: BF090792.D
Acq: 24 Oct 2016 17:26

Instrument :
BNA_F
ClientSampleId :
IDW-Z2-B545-161019

Tot Ion:248 Resp: 52232
Ion Ratio Lower Upper
248 100
250 198.5 78.5 117.7#
141 313.5 59.0 88.6#

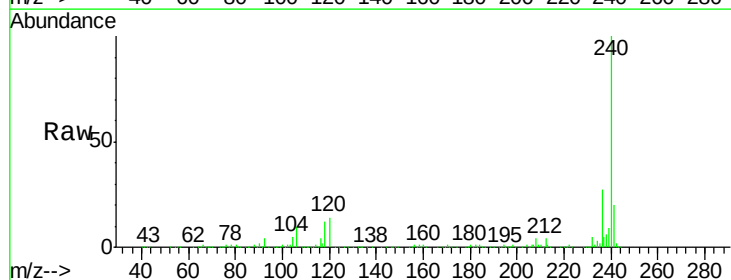


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

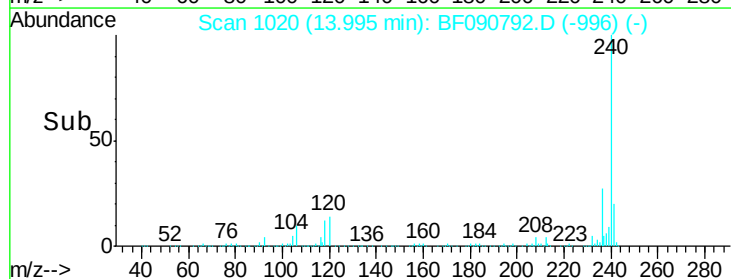
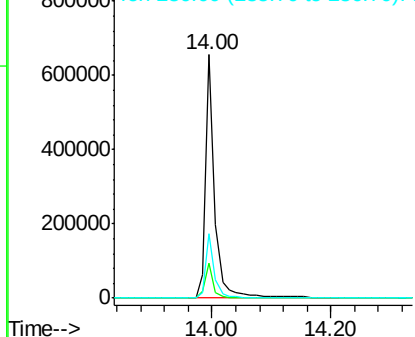


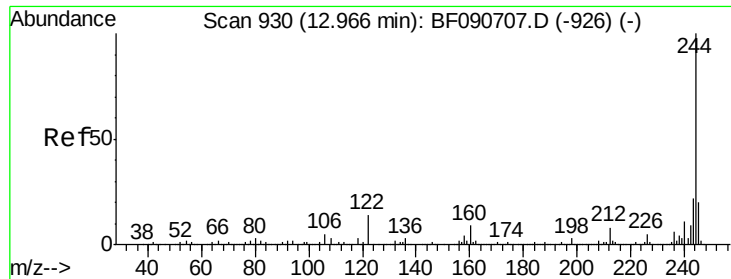
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.00 min Scan# 1020
Delta R.T. -0.02 min
Lab File: BF090792.D
Acq: 24 Oct 2016 17:26

Tgt Ion:240 Resp: 727890
Ion Ratio Lower Upper
240 100
120 14.1 16.2 24.2#
236 26.7 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

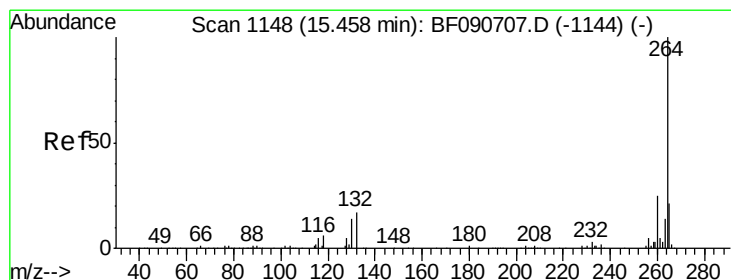
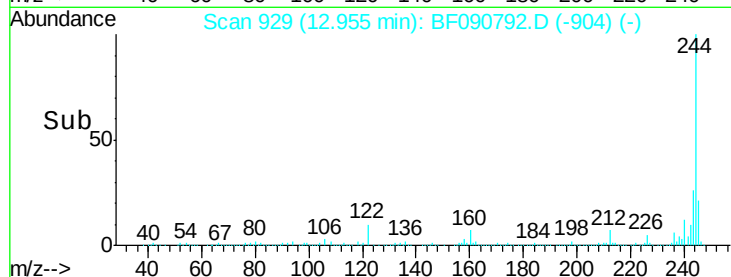
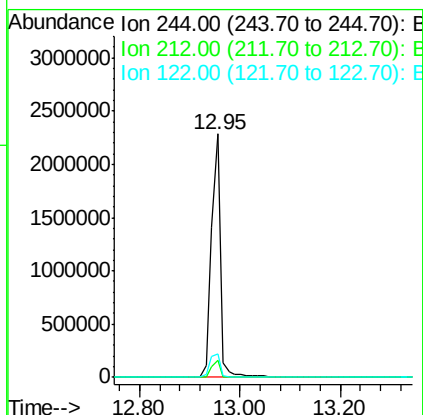
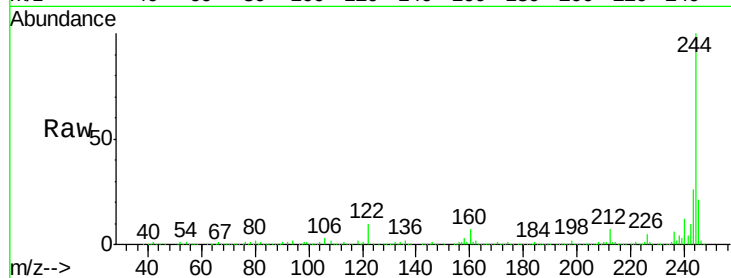




#78
 Terphenyl-d14
 Concen: 90.29 ng
 RT: 12.95 min Scan# 929
 Delta R.T. -0.01 min
 Lab File: BF090792.D
 Acq: 24 Oct 2016 17:26

Instrument :
 BNA_F
 ClientSampleId :
 IDW-Z2-B545-161019

Tot Ion:244 Resp: 2867572
 Ion Ratio Lower Upper
 244 100
 212 7.3 4.3 6.5#
 122 9.9 17.4 26.2#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.42 min Scan# 1145
 Delta R.T. -0.03 min
 Lab File: BF090792.D
 Acq: 24 Oct 2016 17:26

Tgt Ion:264 Resp: 528987
 Ion Ratio Lower Upper
 264 100
 260 25.2 16.7 25.1#
 265 21.3 17.2 25.8

