

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102116\
 Data File : BF090784.D
 Acq On : 23 Oct 2016 1:10
 Operator : UM/SJ
 Sample : H5357-02
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IDW-Z5-B545-161019

Quant Time: Oct 24 00:57:59 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

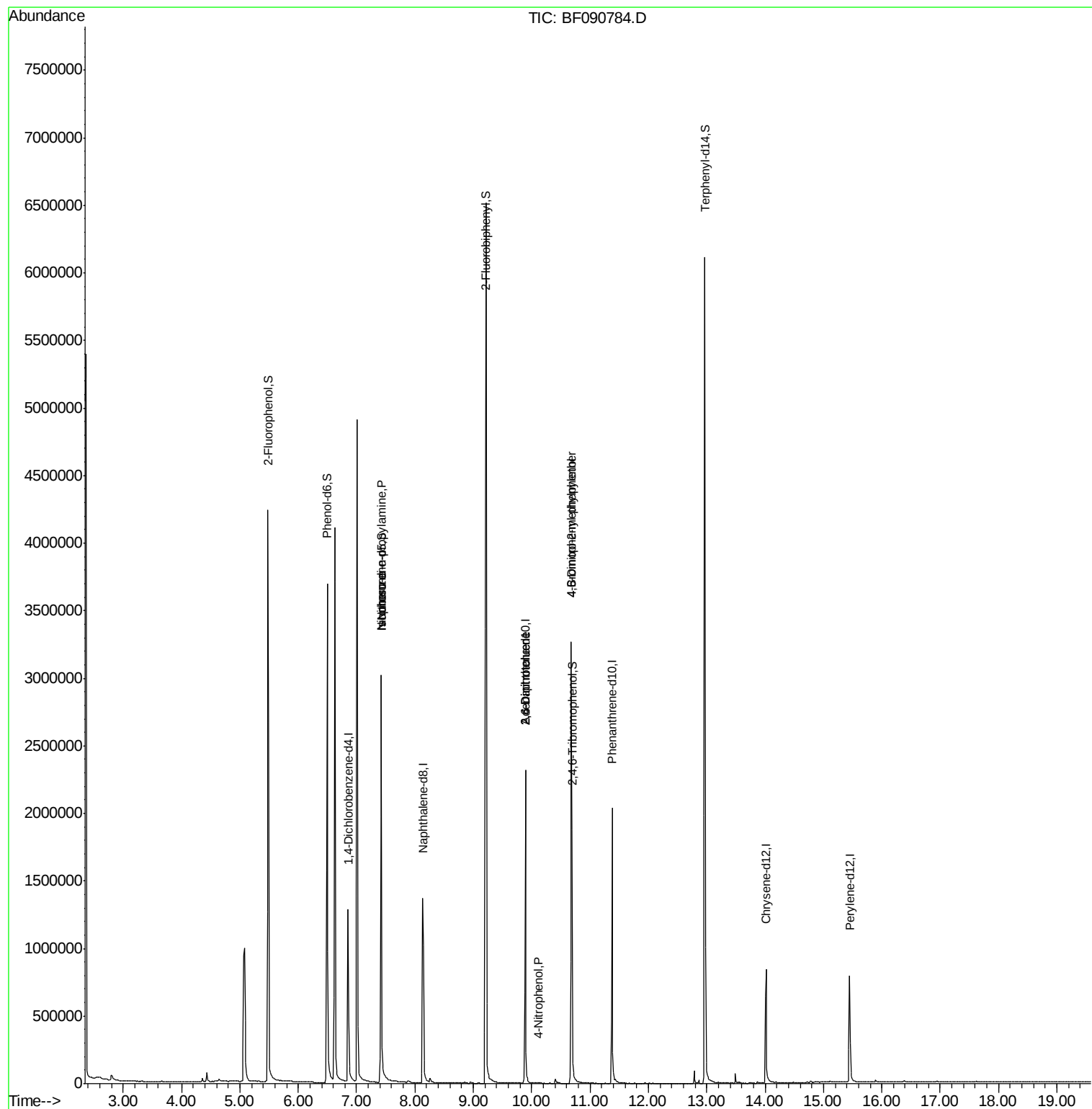
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	244962	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	984851	20.00	ng	-0.01
38) Acenaphthene-d10	9.89	164	543509	20.00	ng	-0.01
63) Phenanthrene-d10	11.38	188	825740	20.00	ng	-0.01
75) Chrysene-d12	14.02	240	461231	20.00	ng	0.00
86) Perylene-d12	15.45	264	378141	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1830161	120.49	ng	0.02
7) Phenol-d6	6.50	99	1882107	91.48	ng	0.00
23) Nitrobenzene-d5	7.42	82	1530028	85.21	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	684846	159.20	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	2662948	76.06	ng	-0.01
78) Terphenyl-d14	12.97	244	2228174	110.72	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.42	70	196665	12.84	ng	# 49
25) Isophorone	7.42	82	1458743	42.92	ng	# 58
50) 2,6-Dinitrotoluene	9.89	165	69872	9.51	ng	# 38
55) 4-Nitrophenol	10.11	139	507	6.03	ng	# 25
56) 2,4-Dinitrotoluene	9.89	165	70691	7.88	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.68	198	985	4.35	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	40252	5.03	ng	# 1

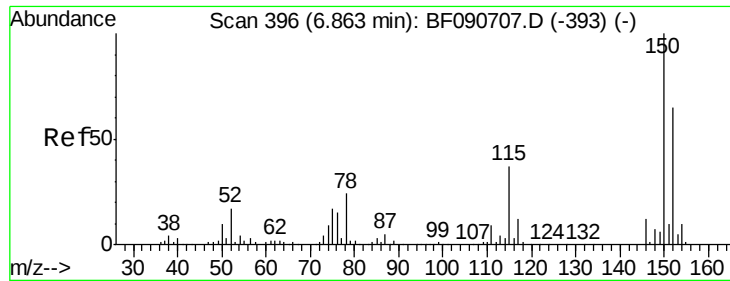
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF090784.D

Acq: 23 Oct 2016 1:10

Instrument :

BNA_F

ClientSampleId :

IDW-Z5-B545-161019

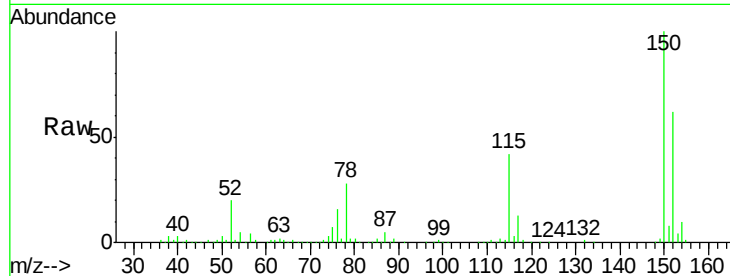
Tgt Ion:152 Resp: 244962

Ion Ratio Lower Upper

152 100

150 161.8 124.7 187.1

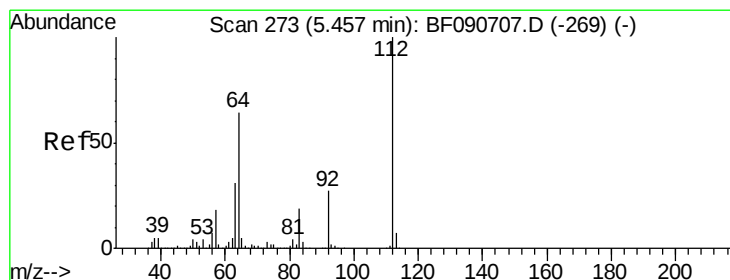
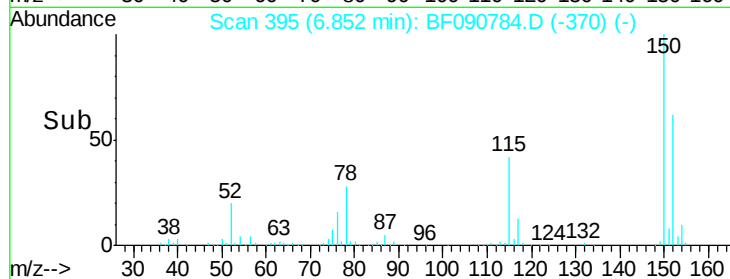
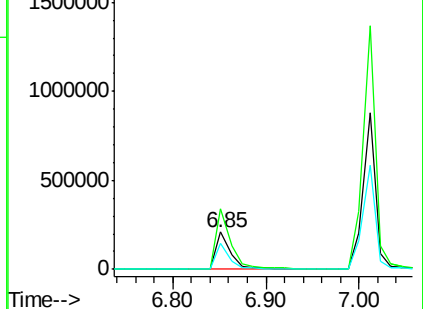
115 68.3 39.0 58.4#



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: 120.49 ng

RT: 5.48 min Scan# 275

Delta R.T. 0.02 min

Lab File: BF090784.D

Acq: 23 Oct 2016 1:10

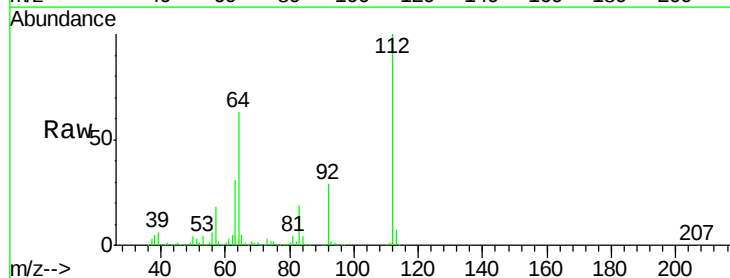
Tgt Ion:112 Resp: 1830161

Ion Ratio Lower Upper

112 100

64 62.7 39.7 59.5#

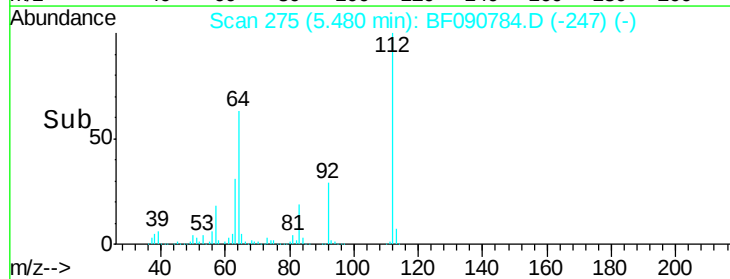
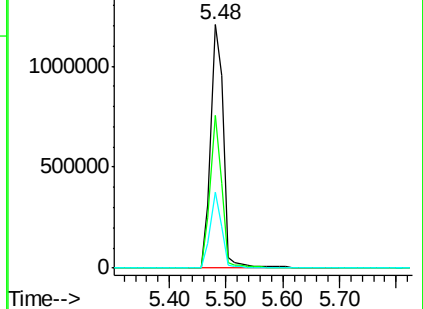
63 31.1 17.4 26.0#

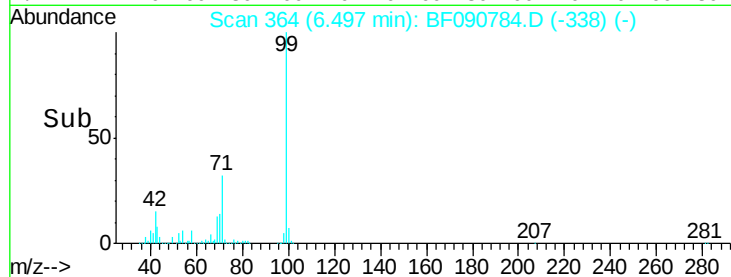
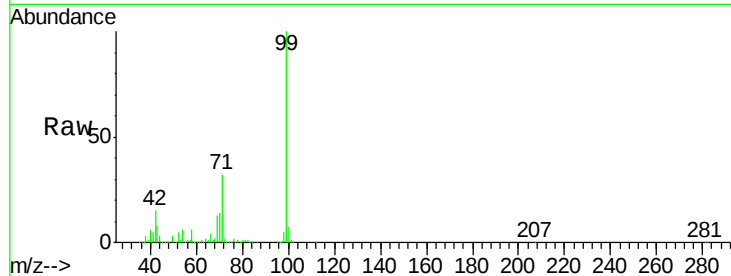


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 91.48 ng

RT: 6.50 min Scan# 364

Delta R.T. 0.00 min

Lab File: BF090784.D

Acq: 23 Oct 2016 1:10

Instrument :

BNA_F

ClientSampleId :

IDW-Z5-B545-161019

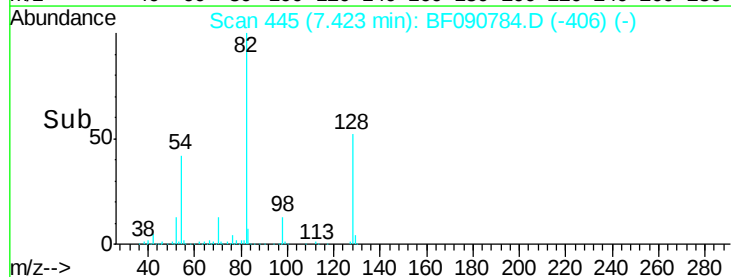
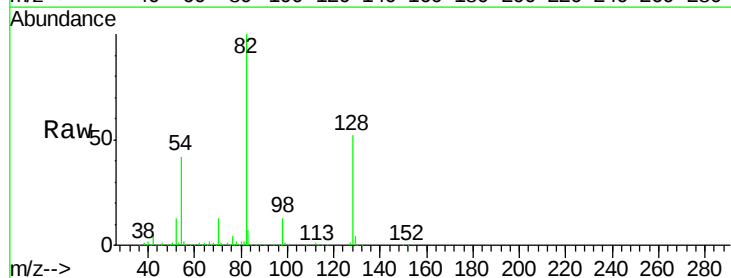
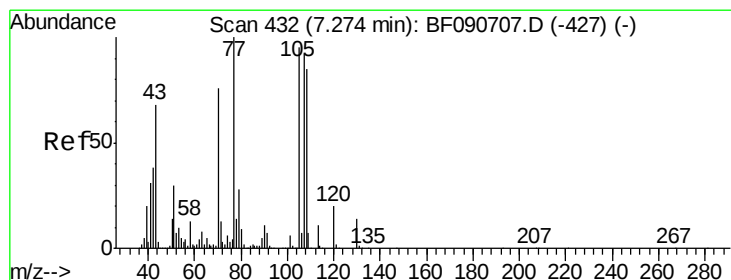
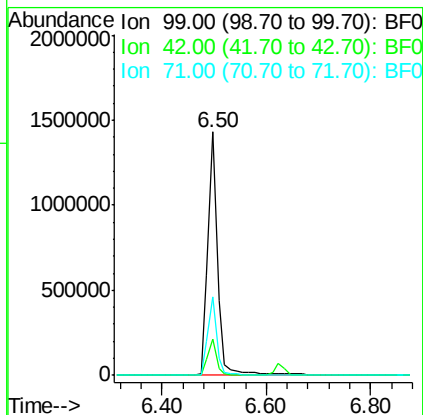
Tgt Ion: 99 Resp: 1882107

Ion Ratio Lower Upper

99 100

42 14.7 13.7 20.5

71 32.4 14.2 21.2#



#19

n-Nitroso-di-n-propylamine

Concen: 12.84 ng

RT: 7.42 min Scan# 445

Delta R.T. 0.15 min

Lab File: BF090784.D

Acq: 23 Oct 2016 1:10

Tgt Ion: 70 Resp: 196665

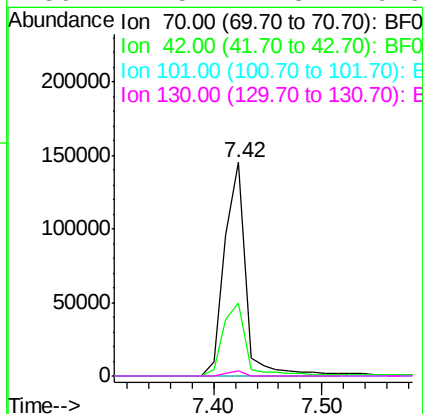
Ion Ratio Lower Upper

70 100

42 34.4 63.8 95.6#

101 0.0 9.2 13.8#

130 2.5 27.3 40.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 507

Delta R.T. -0.01 min

Lab File: BF090784.D

Acq: 23 Oct 2016 1:10

Instrument :

BNA_F

ClientSampleId :

IDW-Z5-B545-161019

Tgt Ion:136 Resp: 984851

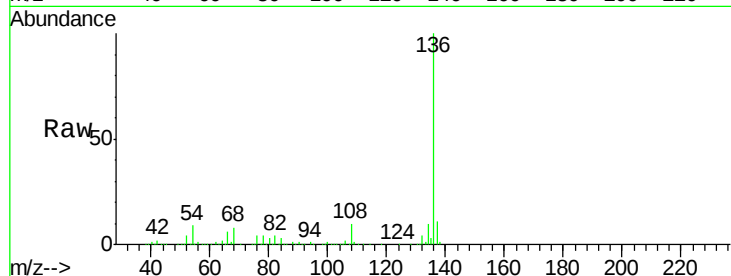
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.6

54 8.8 8.2 12.2

68 8.1 5.8 8.6

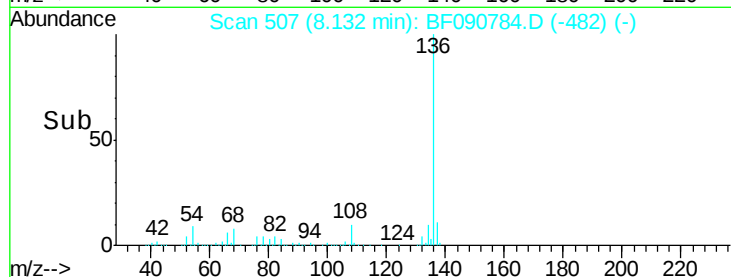


Abundance Ion 136.00 (135.70 to 136.70): E

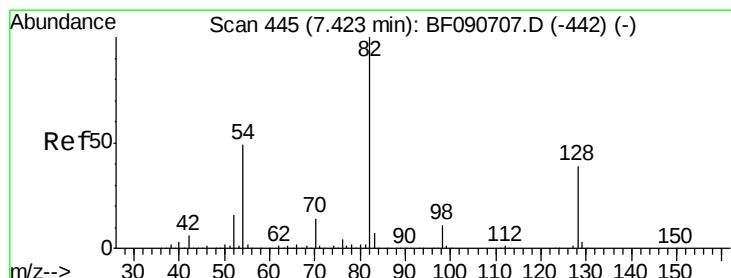
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 85.21 ng

RT: 7.42 min Scan# 445

Delta R.T. 0.00 min

Lab File: BF090784.D

Acq: 23 Oct 2016 1:10

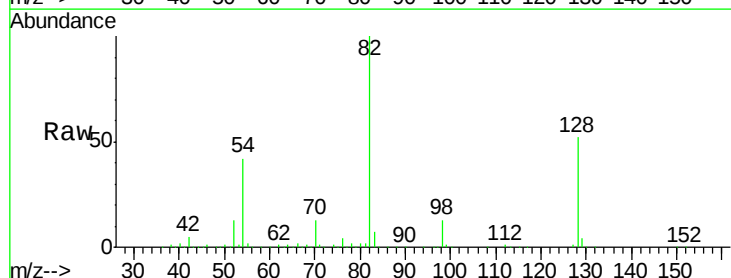
Tgt Ion: 82 Resp: 1530028

Ion Ratio Lower Upper

82 100

128 52.4 51.0 76.6

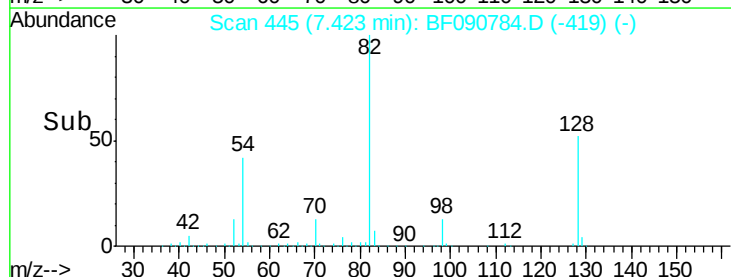
54 41.7 47.5 71.3#



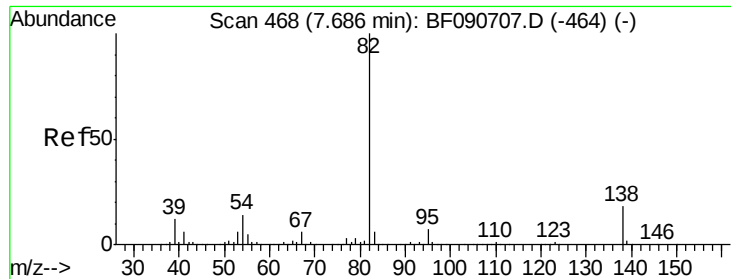
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->



#25

Isophorone

Concen: 42.92 ng

RT: 7.42 min Scan# 445

Delta R.T. -0.26 min

Lab File: BF090784.D

Acq: 23 Oct 2016 1:10

Instrument :

BNA_F

ClientSampleId :

IDW-Z5-B545-161019

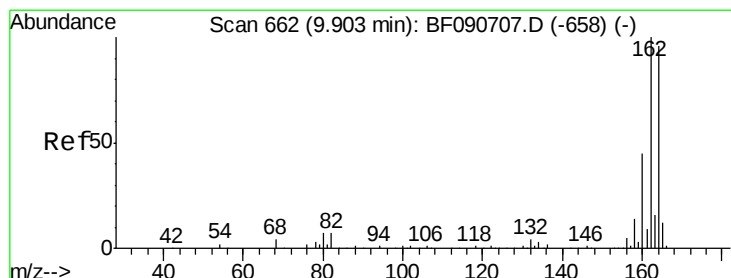
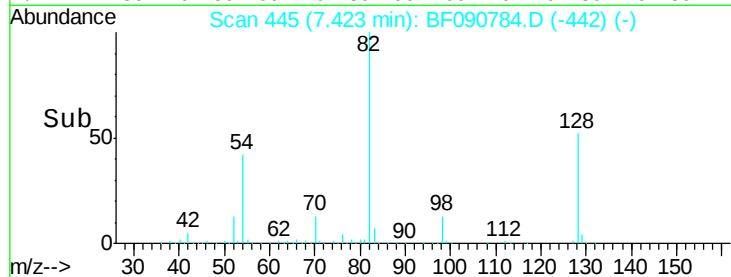
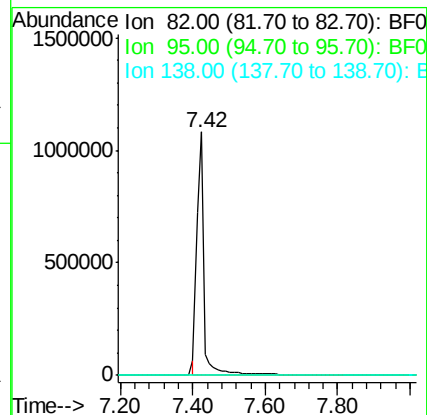
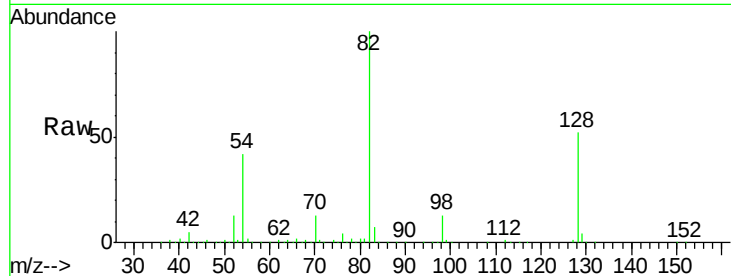
Tgt Ion: 82 Resp: 1458743

Ion Ratio Lower Upper

82 100

95 0.0 4.0 6.0#

138 0.0 18.3 27.5#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 661

Delta R.T. -0.01 min

Lab File: BF090784.D

Acq: 23 Oct 2016 1:10

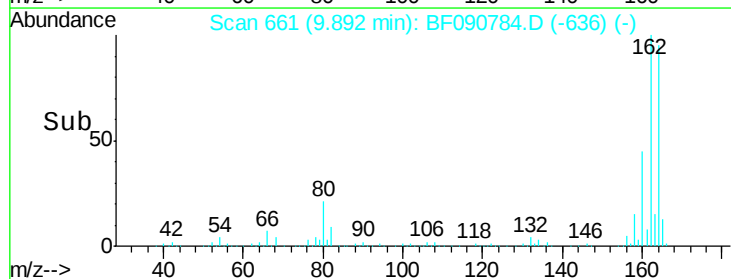
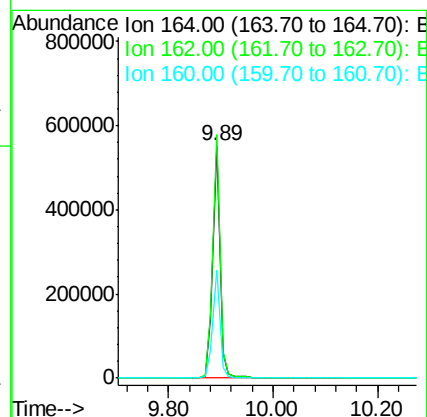
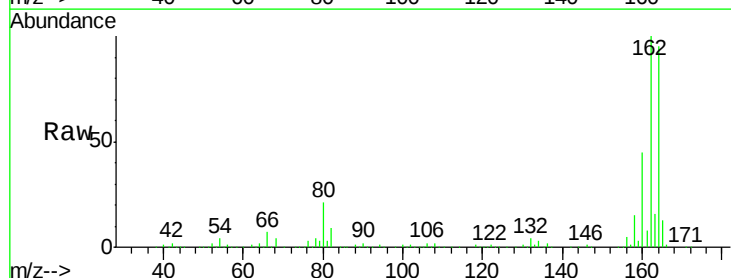
Tgt Ion: 164 Resp: 543509

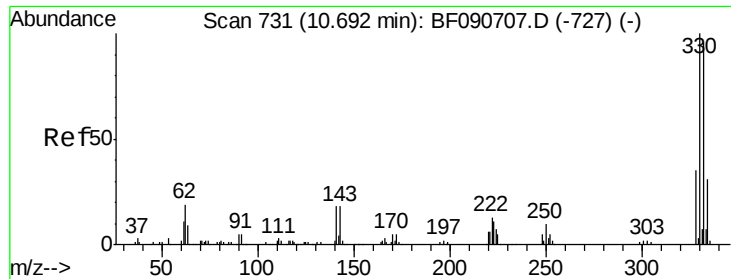
Ion Ratio Lower Upper

164 100

162 104.9 75.2 112.8

160 46.7 31.5 47.3

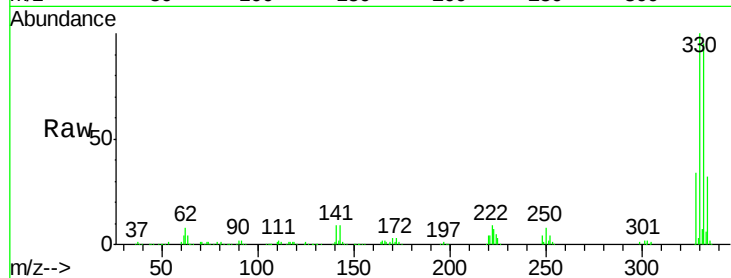




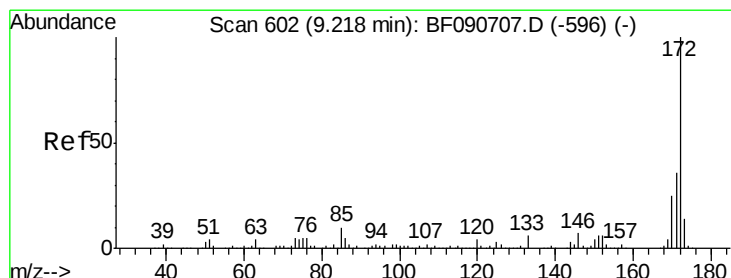
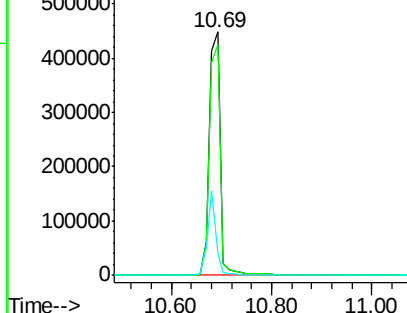
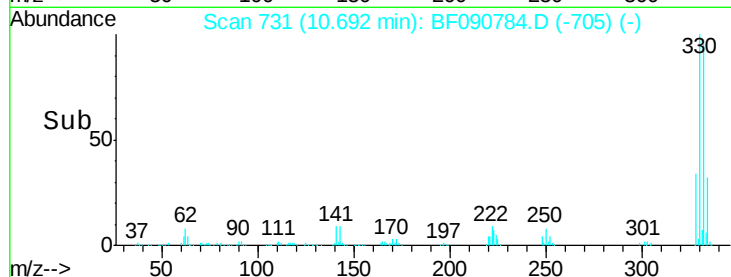
#41
 2,4,6-Tribromophenol
 Concen: 159.20 ng
 RT: 10.69 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: BF090784.D
 Acq: 23 Oct 2016 1:10

Instrument :
 BNA_F
 ClientSampleId :
 IDW-Z5-B545-161019

Tgt Ion:330 Resp: 684846
 Ion Ratio Lower Upper
 330 100
 332 95.2 76.6 114.8
 141 27.6 29.7 44.5#

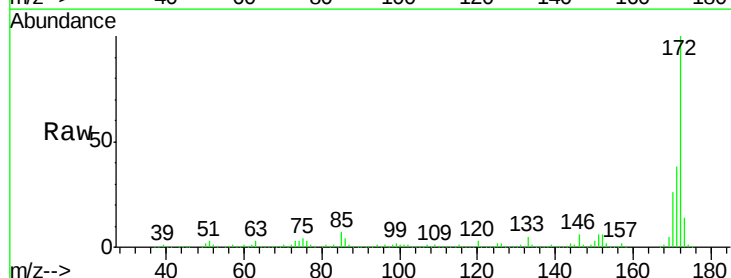


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

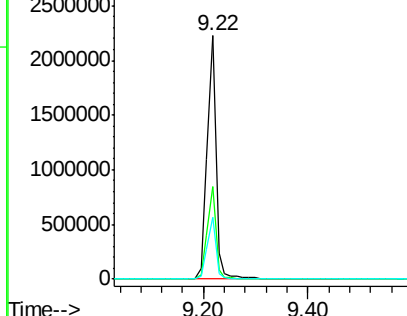
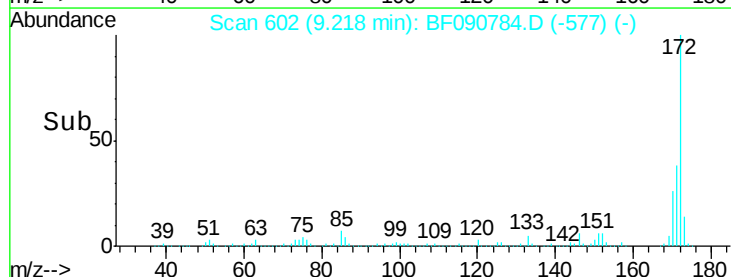


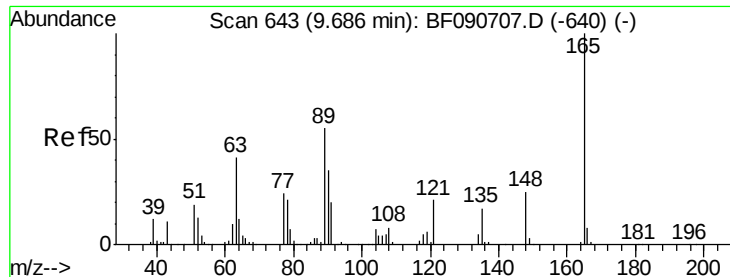
#44
 2-Fluorobiphenyl
 Concen: 76.06 ng
 RT: 9.22 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: BF090784.D
 Acq: 23 Oct 2016 1:10

Tgt Ion:172 Resp: 2662948
 Ion Ratio Lower Upper
 172 100
 171 37.9 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

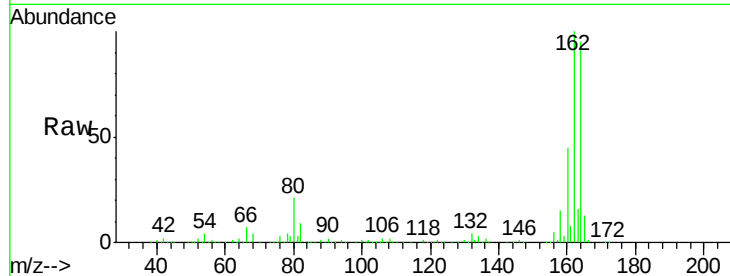




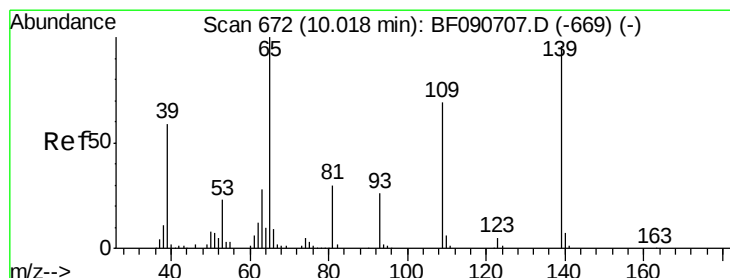
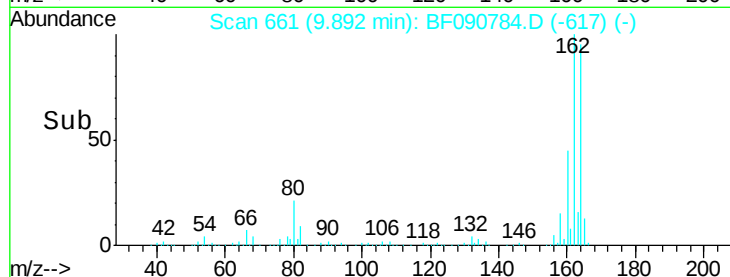
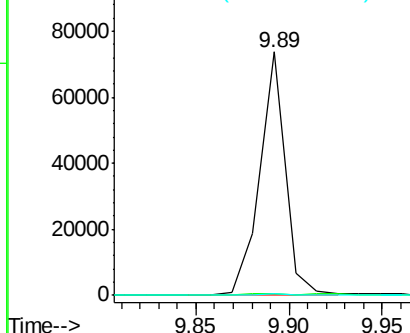
#50
 2,6-Dinitrotoluene
 Concen: 9.51 ng
 RT: 9.89 min Scan# 661
 Delta R.T. 0.21 min
 Lab File: BF090784.D
 Acq: 23 Oct 2016 1:10

Instrument :
 BNA_F
 ClientSampleId :
 IDW-Z5-B545-161019

Tgt Ion:165 Resp: 69872
 Ion Ratio Lower Upper
 165 100
 63 0.9 32.3 48.5#
 89 0.7 28.6 43.0#

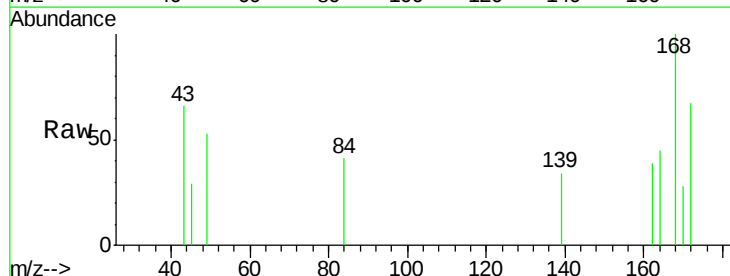


Abundance Ion 165.00 (164.70 to 165.70): E
 100000
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

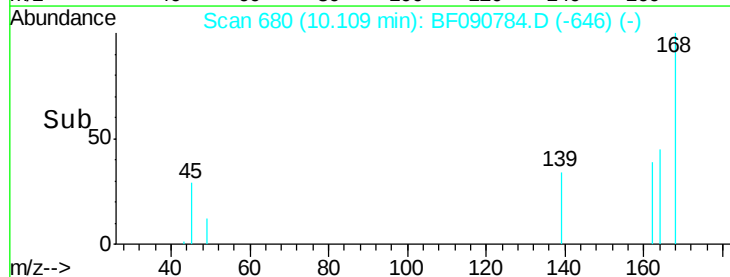
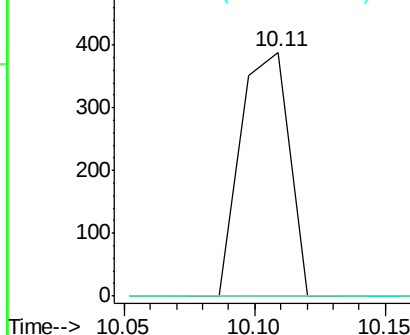


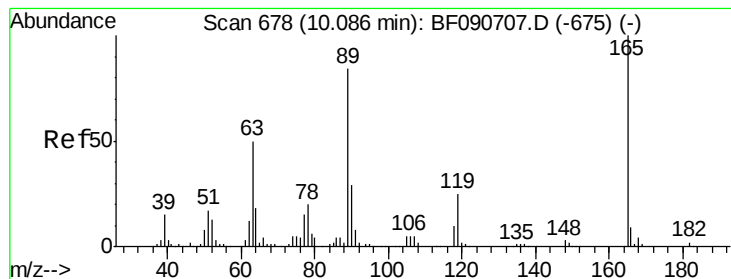
#55
 4-Nitrophenol
 Concen: 6.03 ng
 RT: 10.11 min Scan# 680
 Delta R.T. 0.09 min
 Lab File: BF090784.D
 Acq: 23 Oct 2016 1:10

Tgt Ion:139 Resp: 507
 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
 500
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF0

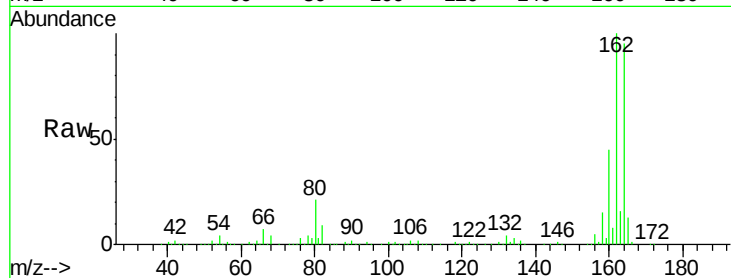




#56
 2,4-Dinitrotoluene
 Concen: 7.88 ng
 RT: 9.89 min Scan# 661
 Delta R.T. -0.19 min
 Lab File: BF090784.D
 Acq: 23 Oct 2016 1:10

Instrument :
 BNA_F
 ClientSampleId :
 IDW-Z5-B545-161019

Tgt Ion:	165	Resp:	70691
Ion	Ratio	Lower	Upper
165	100		
63	0.9	29.8	44.6#
89	0.7	44.5	66.7#
182	0.0	3.0	4.4#

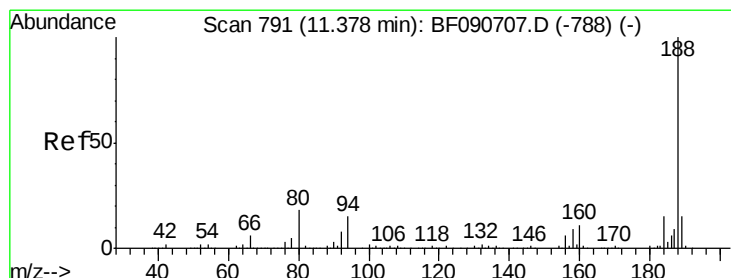
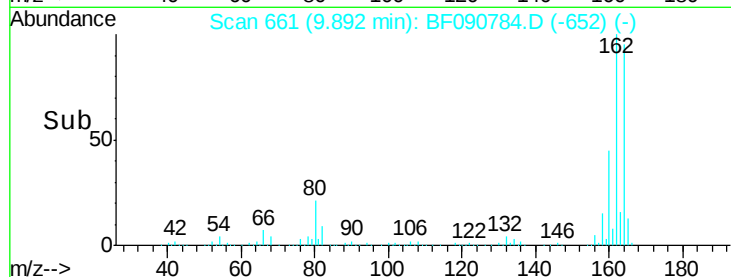
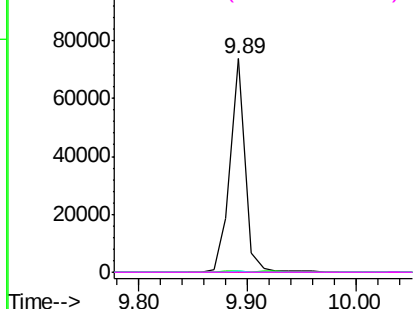


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

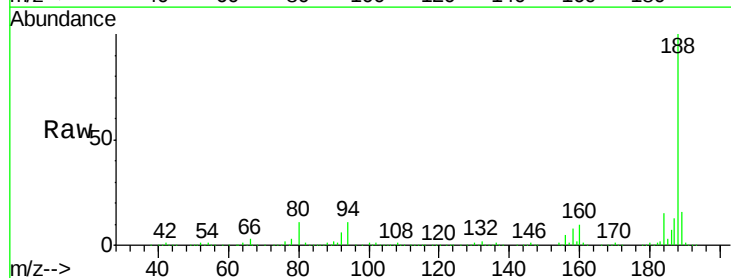
Ion 89.00 (88.70 to 89.70): BF0

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: BF090784.D
 Acq: 23 Oct 2016 1:10

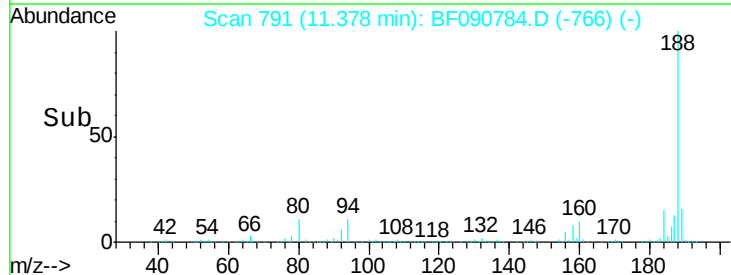
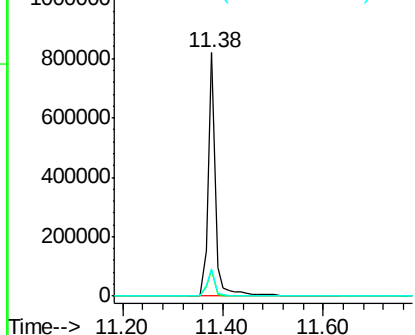
Tgt Ion:	188	Resp:	825740
Ion	Ratio	Lower	Upper
188	100		
94	10.6	11.1	16.7#
80	11.3	11.0	16.4

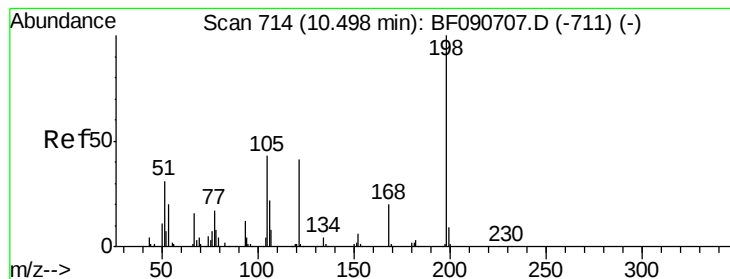


Abundance Ion 188.00 (187.70 to 188.70): E

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: 4.35 ng

RT: 10.68 min Scan# 730

Delta R.T. 0.18 min

Lab File: BF090784.D

Acq: 23 Oct 2016 1:10

Instrument :

BNA_F

ClientSampleId :

IDW-Z5-B545-161019

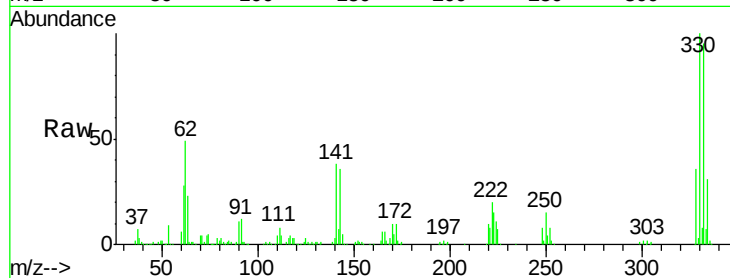
Tgt Ion:198 Resp: 985

Ion Ratio Lower Upper

198 100

51 139.2 39.6 79.6#

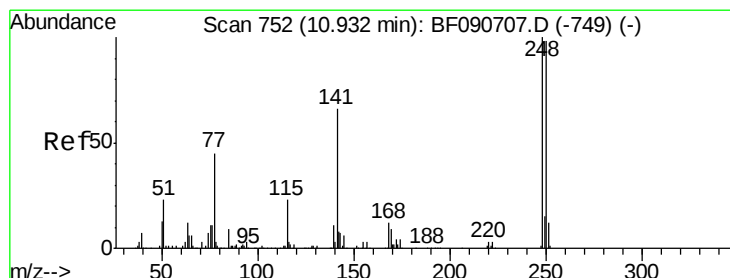
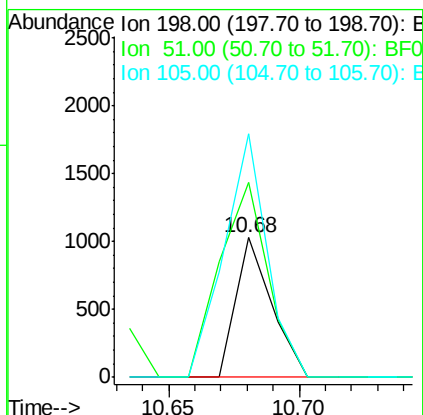
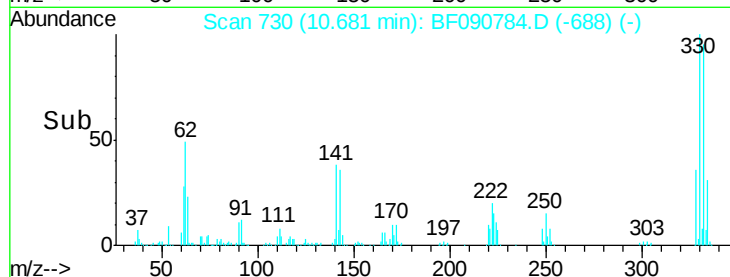
105 174.4 28.5 68.5#



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: 5.03 ng

RT: 10.68 min Scan# 730

Delta R.T. -0.25 min

Lab File: BF090784.D

Acq: 23 Oct 2016 1:10

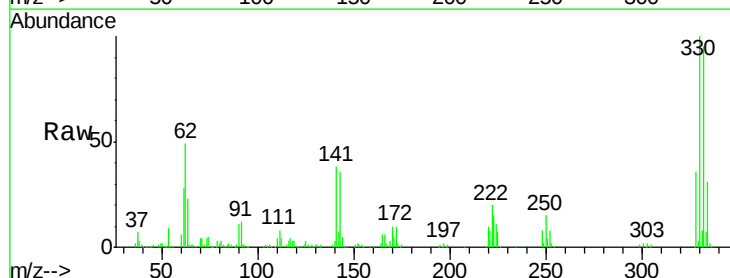
Tgt Ion:248 Resp: 40252

Ion Ratio Lower Upper

248 100

250 198.2 78.5 117.7#

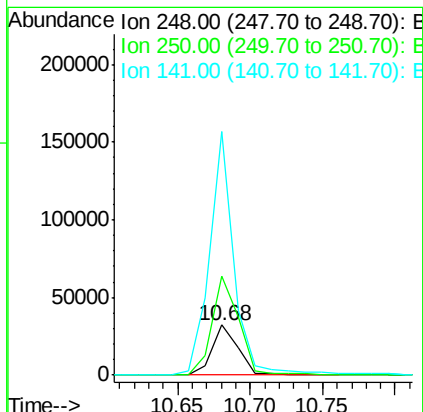
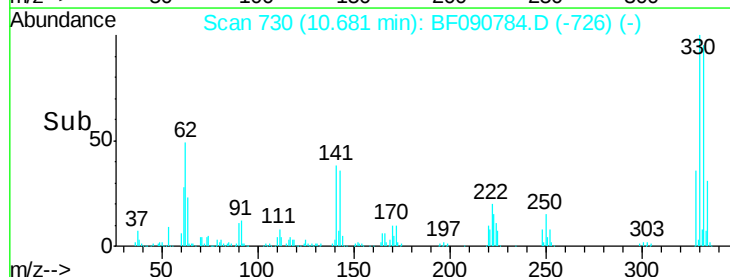
141 486.1 59.0 88.6#

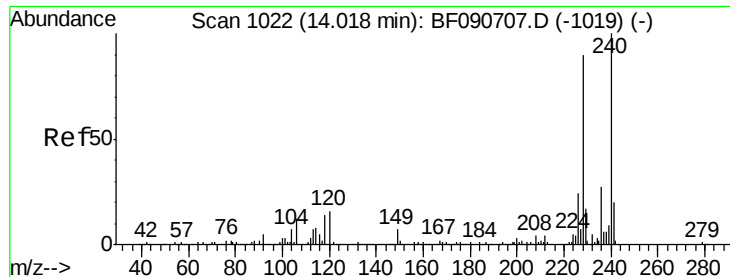


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF090784.D

Acq: 23 Oct 2016 1:10

Instrument :

BNA_F

ClientSampleId :

IDW-Z5-B545-161019

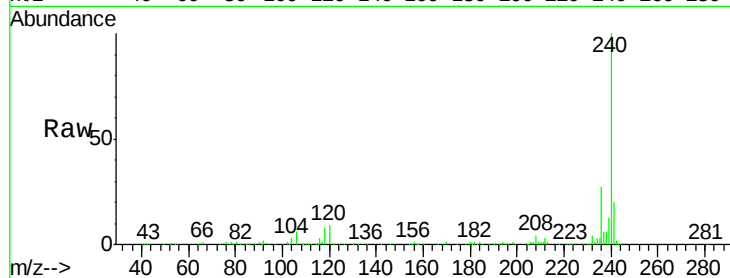
Tgt Ion:240 Resp: 461231

Ion Ratio Lower Upper

240 100

120 9.1 16.2 24.2#

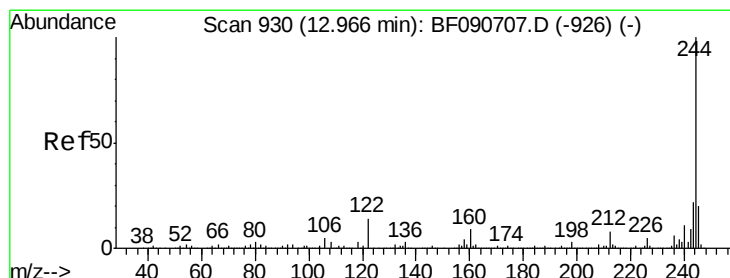
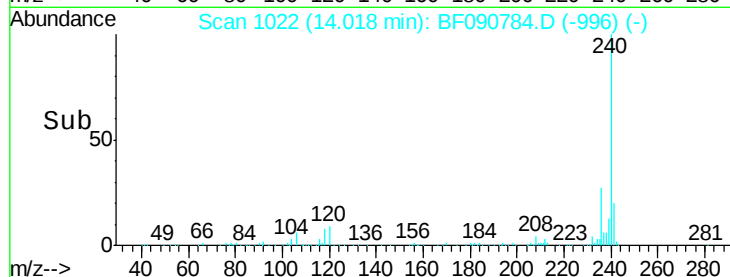
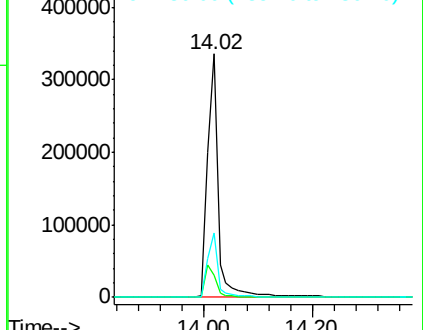
236 26.7 18.4 27.6



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: 110.72 ng

RT: 12.97 min Scan# 930

Delta R.T. 0.00 min

Lab File: BF090784.D

Acq: 23 Oct 2016 1:10

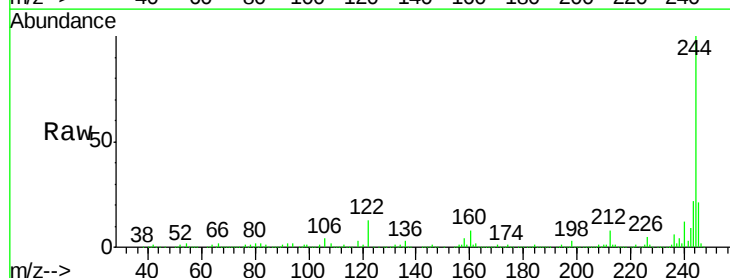
Tgt Ion:244 Resp: 2228174

Ion Ratio Lower Upper

244 100

212 7.5 4.3 6.5#

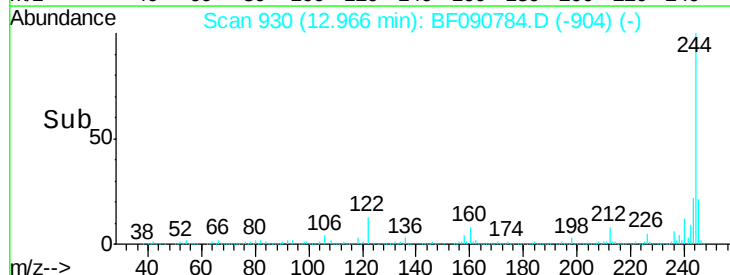
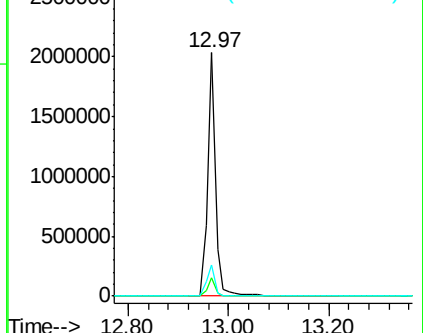
122 12.8 17.4 26.2#

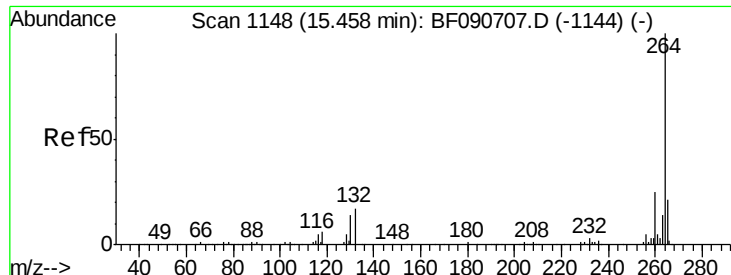


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

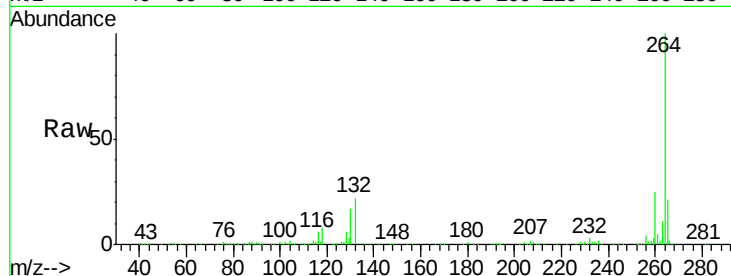




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.45 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF090784.D
Acq: 23 Oct 2016 1:10

Instrument :
BNA_F
ClientSampleId :
IDW-Z5-B545-161019

Tgt Ion: 264 Resp: 378141
Ion Ratio Lower Upper
264 100
260 24.7 16.7 25.1
265 21.5 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

