

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122215\
 Data File : BF084011.D
 Acq On : 23 Dec 2015 1:57
 Operator : UM/SJ
 Sample : G4916-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20151214MGP223BRV93

Quant Time: Dec 23 03:16:54 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 22 18:54:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	46498	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	189536	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	94362	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	181592	20.00	ng	0.00
75) Chrysene-d12	13.99	240	167346	20.00	ng	-0.01
86) Perylene-d12	15.43	264	130267	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	154840	56.78	ng	0.01
7) Phenol-d6	6.48	99	115306	35.96	ng	0.00
23) Nitrobenzene-d5	7.39	82	249845	80.98	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	124101	136.73	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	565310	80.63	ng	0.00
78) Terphenyl-d14	12.93	244	565907	80.65	ng	0.00

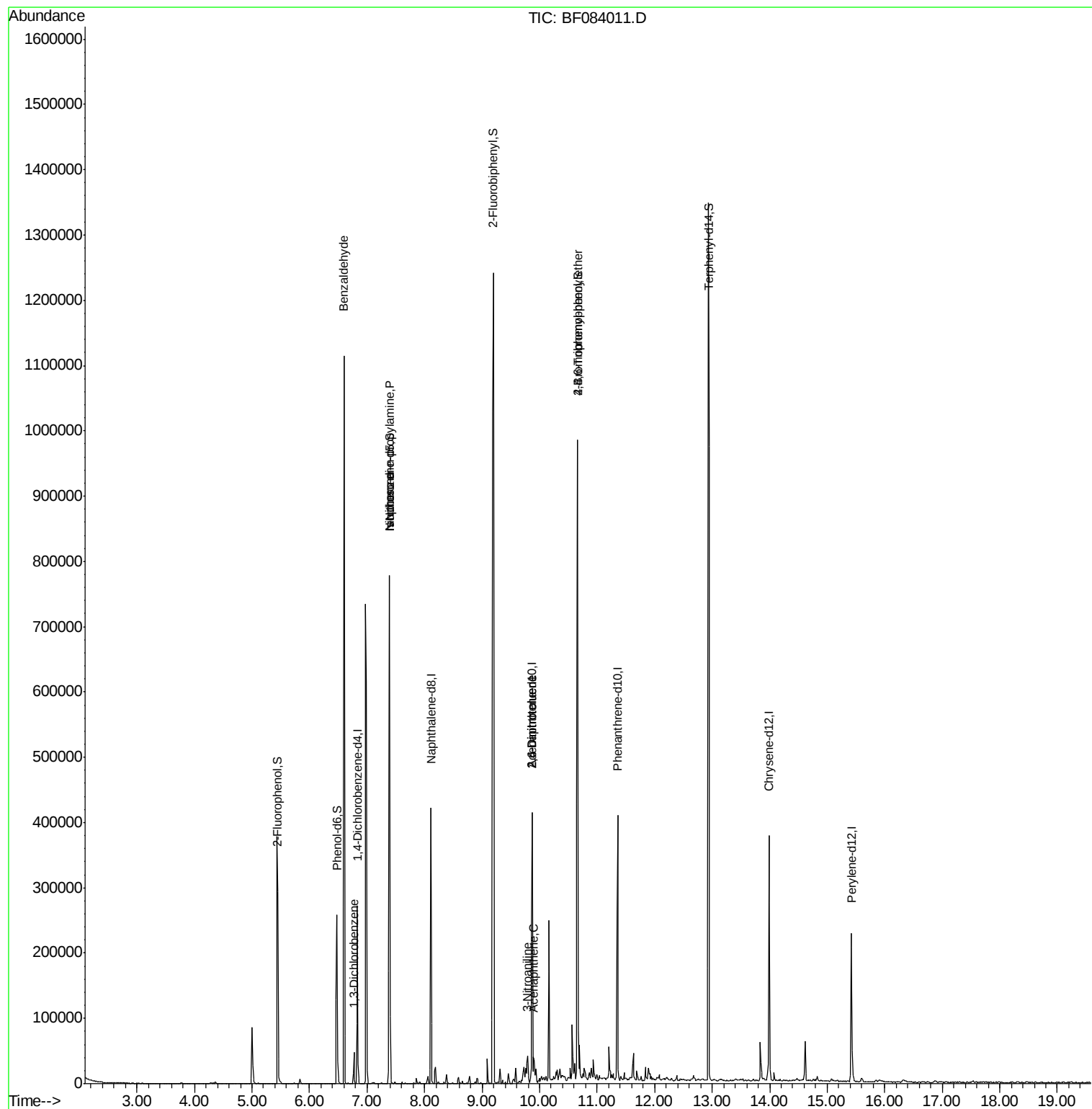
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.60	77	6628	3.10	ng	87
12) 1,3-Dichlorobenzene	6.77	146	14017	4.02	ng	100
19) n-Nitroso-di-n-propylamine	7.39	70	34559	17.79	ng	# 77
25) Isophorone	7.39	82	211953	36.26	ng	# 66
50) 2,6-Dinitrotoluene	9.87	165	11230	7.21	ng	# 37
51) Acenaphthene	9.89	154	12663	2.24	ng	98
52) 3-Nitroaniline	9.79	138	12454	7.52	ng	# 1
56) 2,4-Dinitrotoluene	9.87	165	11230	5.73	ng	# 21
66) 4-Bromophenyl-phenylether	10.66	248	9506	4.57	ng	# 1

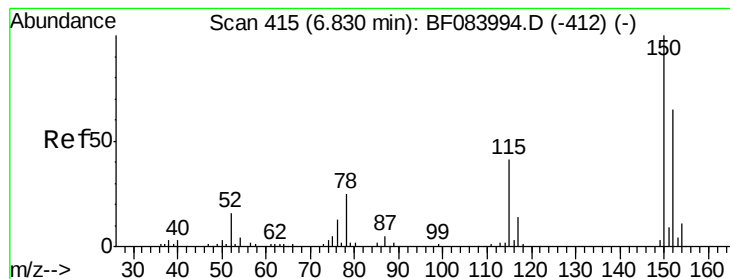
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.00 min

Lab File: BF084011.D

Acq: 23 Dec 2015 1:57

Instrument :

BNA_F

ClientSampleId :

20151214MGP223BRV93

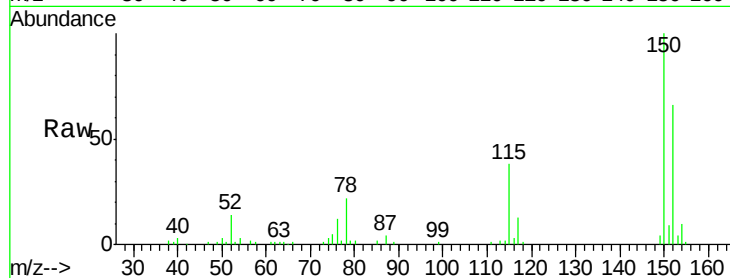
Tgt Ion:152 Resp: 46498

Ion Ratio Lower Upper

152 100

150 152.3 123.0 184.4

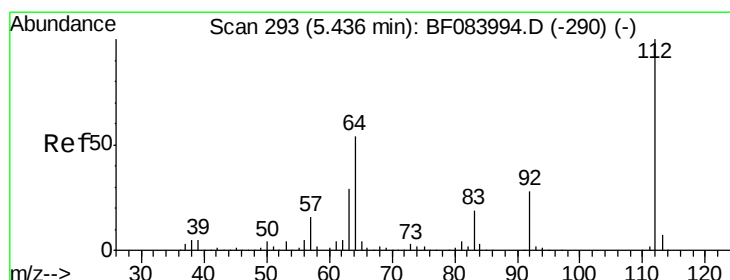
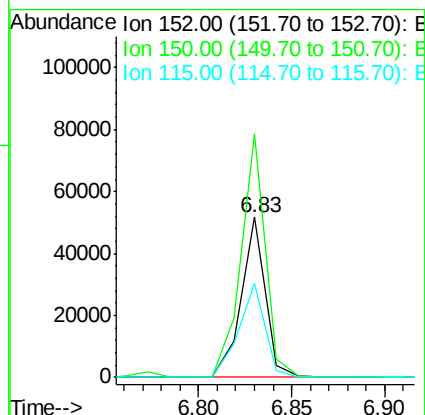
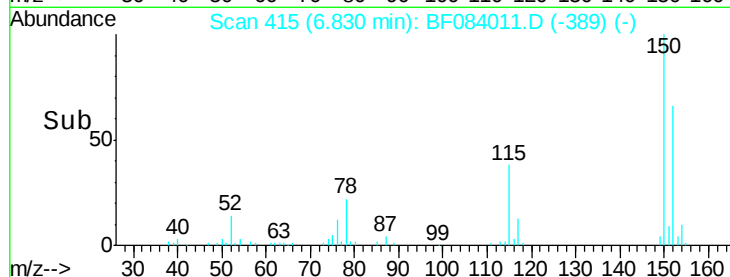
115 58.3 51.4 77.2



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: 56.78 ng

RT: 5.45 min Scan# 294

Delta R.T. 0.01 min

Lab File: BF084011.D

Acq: 23 Dec 2015 1:57

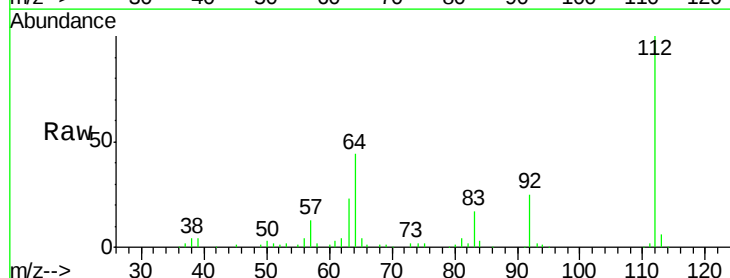
Tgt Ion:112 Resp: 154840

Ion Ratio Lower Upper

112 100

64 43.9 36.6 55.0

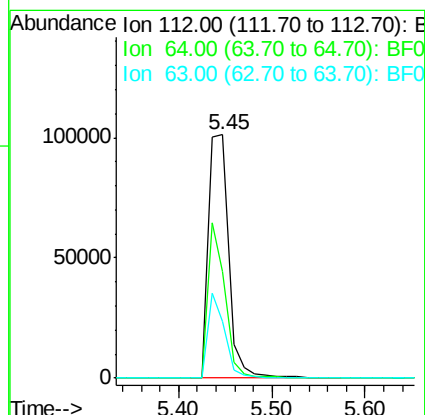
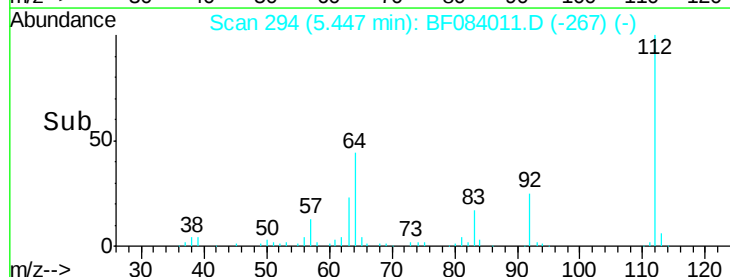
63 23.1 19.4 29.0

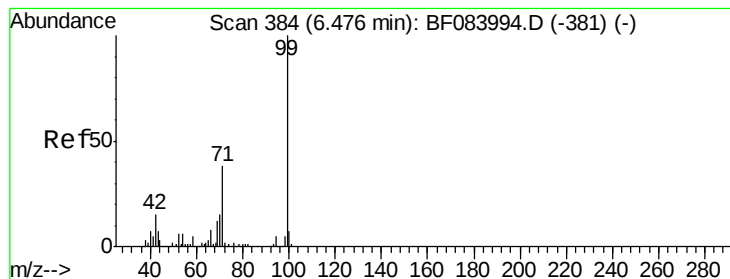


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 35.96 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.00 min

Lab File: BF084011.D

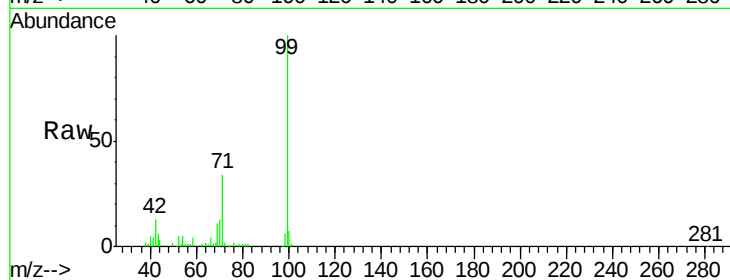
Acq: 23 Dec 2015 1:57

Instrument :

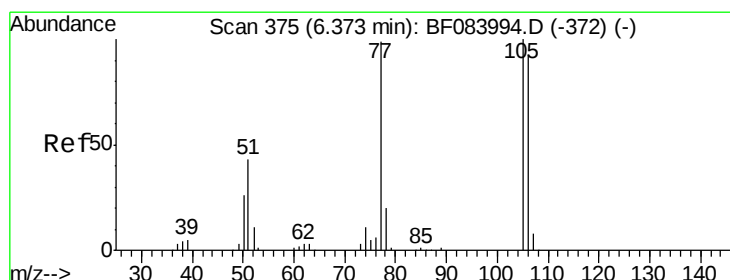
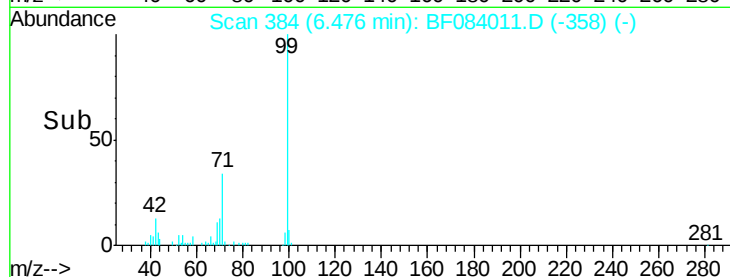
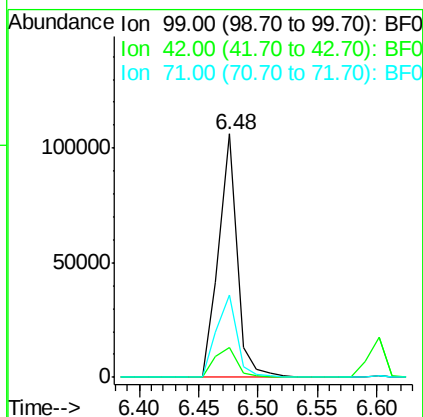
BNA_F

ClientSampleId :

20151214MGP223BRV93



Tgt Ion:	99	Resp:	115306
Ion	Ratio	Lower	Upper
99	100		
42	12.5	12.8	19.2#
71	33.9	30.9	46.3



#9

Benzaldehyde

Concen: 3.10 ng

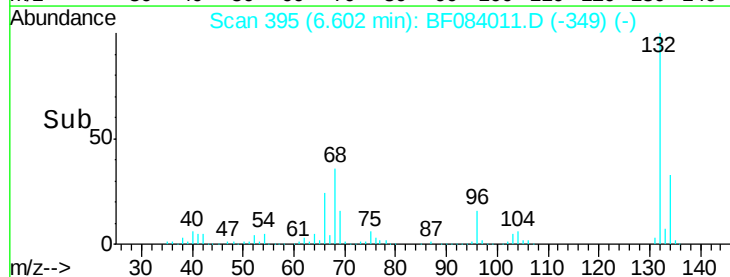
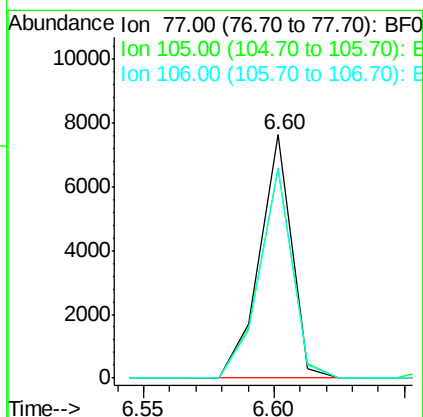
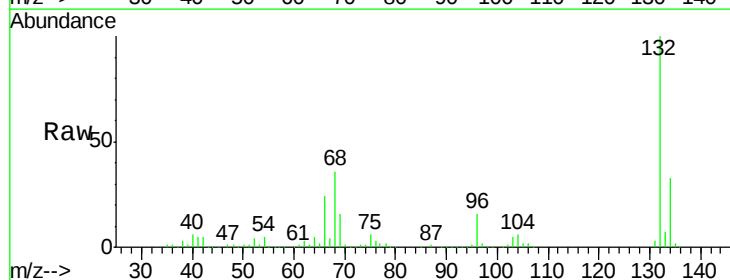
RT: 6.60 min Scan# 395

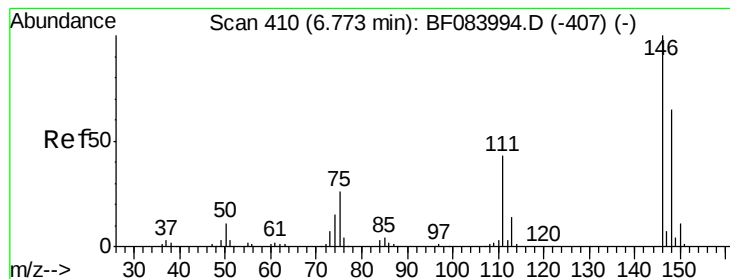
Delta R.T. 0.23 min

Lab File: BF084011.D

Acq: 23 Dec 2015 1:57

Tgt Ion:	77	Resp:	6628
Ion	Ratio	Lower	Upper
77	100		
105	85.7	83.0	123.0
106	86.2	74.6	114.6





#12

1,3-Dichlorobenzene

Concen: 4.02 ng

RT: 6.77 min Scan# 410

Delta R.T. -0.00 min

Lab File: BF084011.D

Acq: 23 Dec 2015 1:57

Instrument :

BNA_F

ClientSampleId :

20151214MGP223BRV93

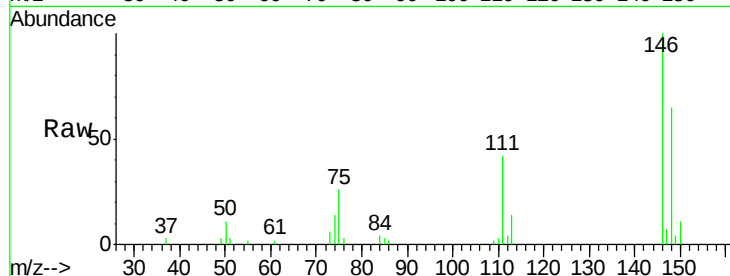
Tgt Ion:146 Resp: 14017

Ion Ratio Lower Upper

146 100

148 64.9 51.9 77.9

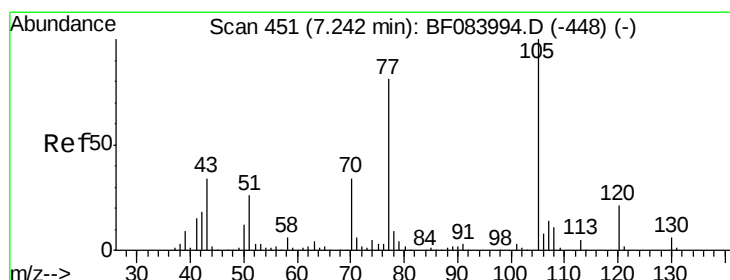
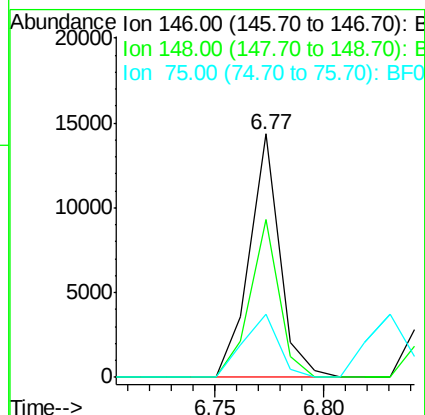
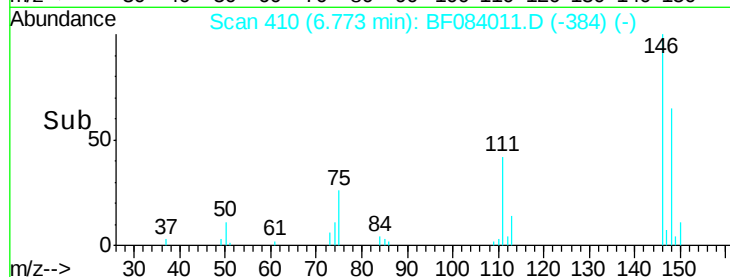
75 26.1 20.5 30.7



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 17.79 ng

RT: 7.39 min Scan# 464

Delta R.T. 0.15 min

Lab File: BF084011.D

Acq: 23 Dec 2015 1:57

Tgt Ion: 70 Resp: 34559

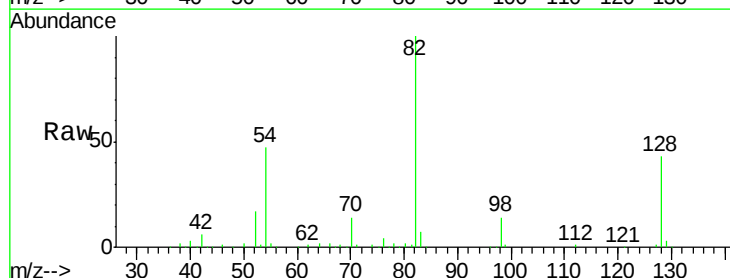
Ion Ratio Lower Upper

70 100

42 40.8 33.3 49.9

101 0.0 9.3 13.9#

130 2.1 23.4 35.0#

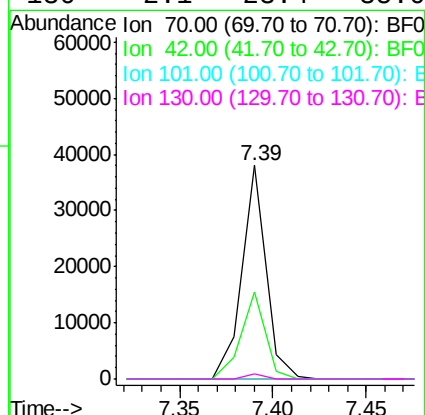
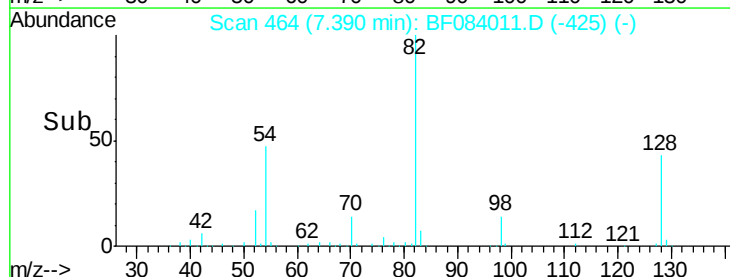


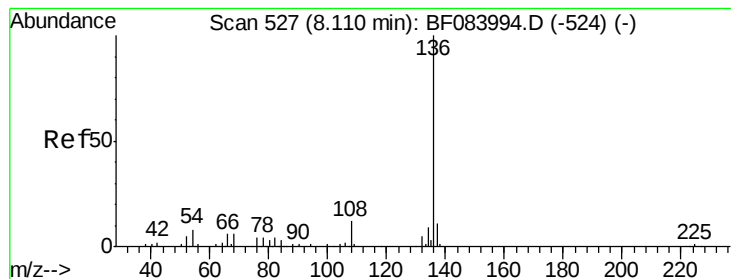
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.11 min Scan# 527

Delta R.T. -0.00 min

Lab File: BF084011.D

Acq: 23 Dec 2015 1:57

Instrument :

BNA_F

ClientSampleId :

20151214MGP223BRV93

Tgt Ion:136 Resp: 189536

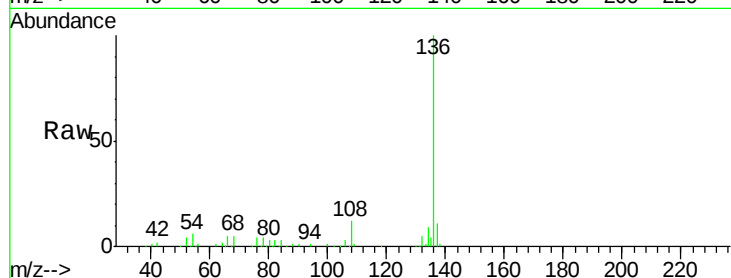
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 6.4 5.8 8.8

68 4.5 4.2 6.2

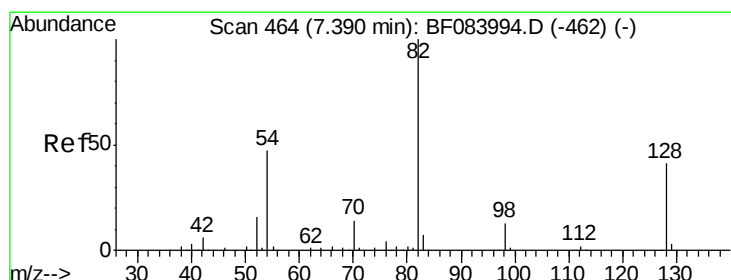
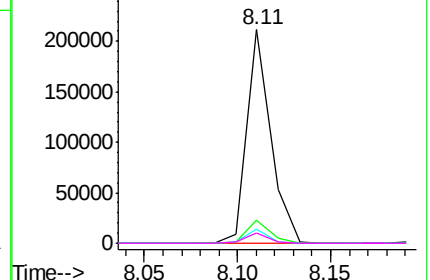
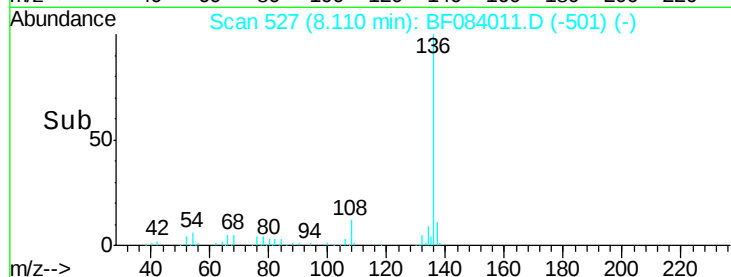


Abundance Ion 136.00 (135.70 to 136.70): E

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: 80.98 ng

RT: 7.39 min Scan# 464

Delta R.T. -0.00 min

Lab File: BF084011.D

Acq: 23 Dec 2015 1:57

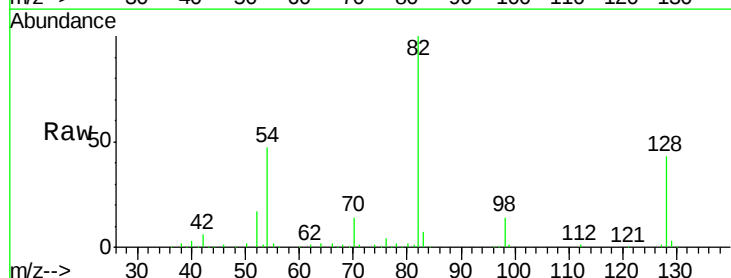
Tgt Ion: 82 Resp: 249845

Ion Ratio Lower Upper

82 100

128 43.4 34.6 51.8

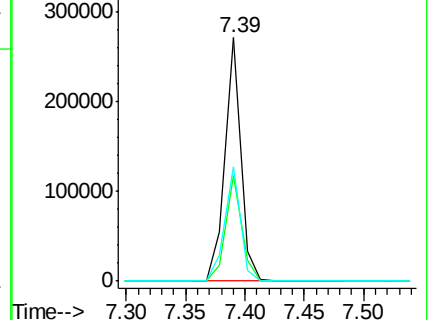
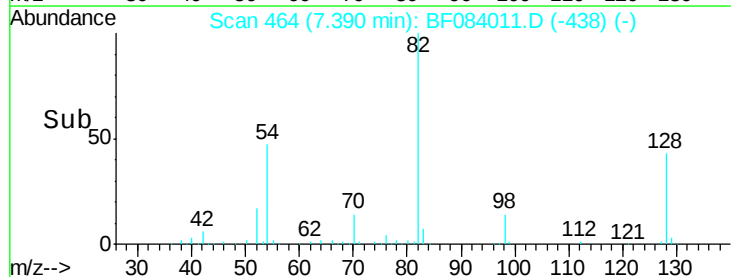
54 47.2 38.4 57.6

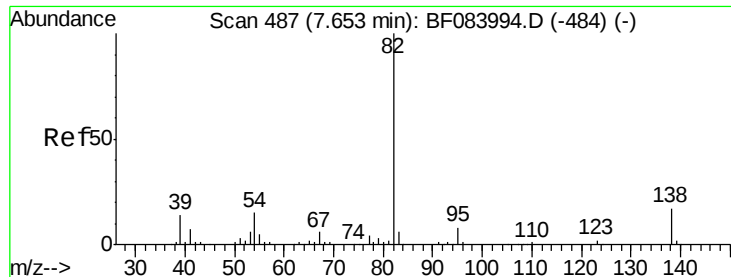


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 36.26 ng

RT: 7.39 min Scan# 464

Delta R.T. -0.26 min

Lab File: BF084011.D

Acq: 23 Dec 2015 1:57

Instrument :

BNA_F

ClientSampleId :

20151214MGP223BRV93

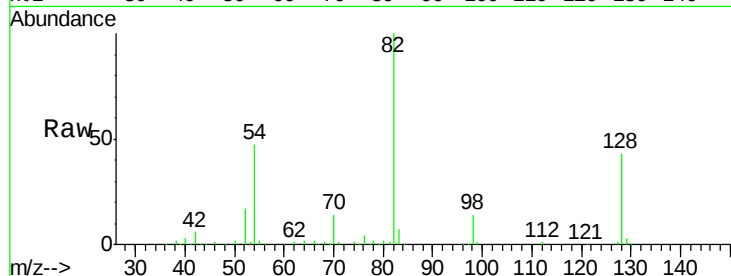
Tgt Ion: 82 Resp: 211953

Ion Ratio Lower Upper

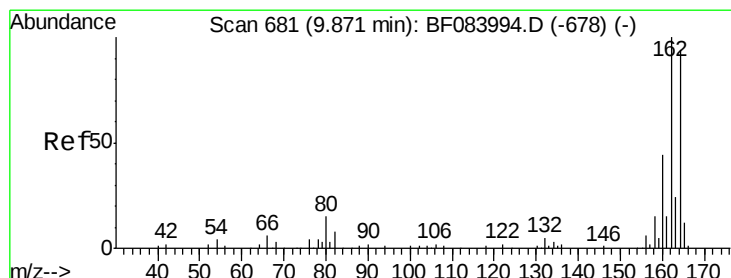
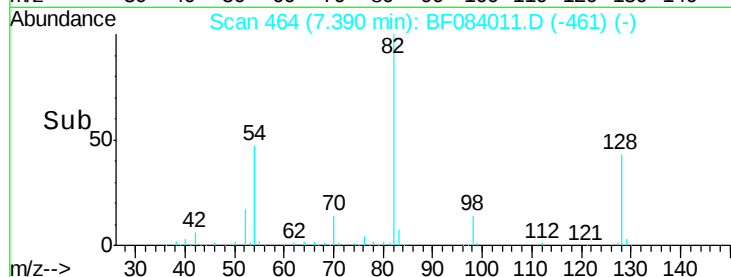
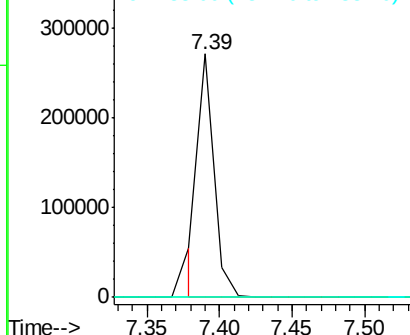
82 100

95 0.0 6.6 10.0#

138 0.0 13.6 20.4#



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: 9.87 min Scan# 681

Delta R.T. -0.00 min

Lab File: BF084011.D

Acq: 23 Dec 2015 1:57

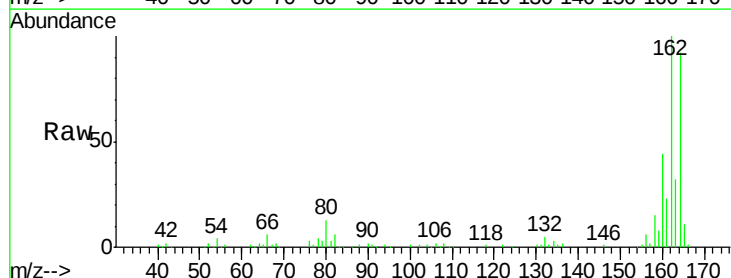
Tgt Ion: 164 Resp: 94362

Ion Ratio Lower Upper

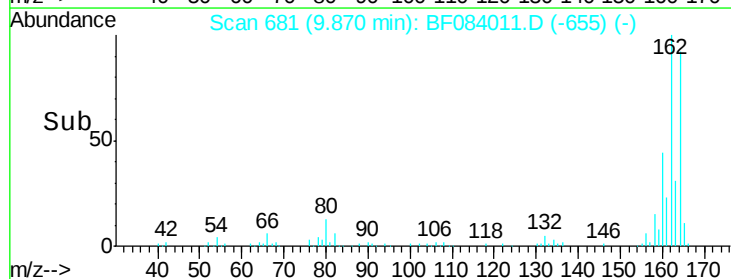
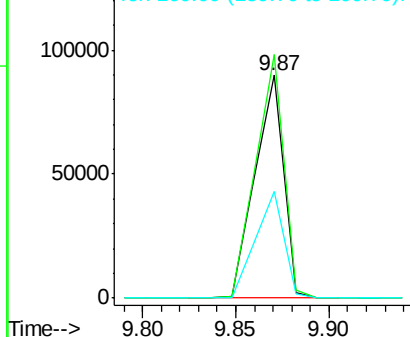
164 100

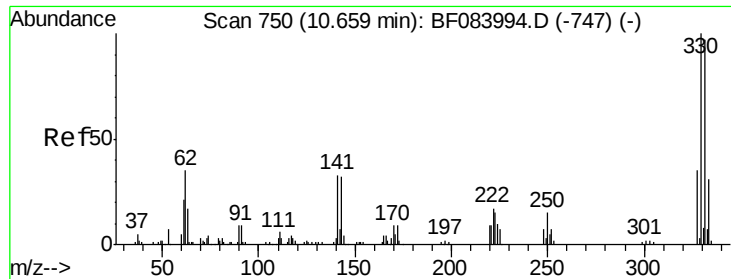
162 109.2 85.1 127.7

160 47.6 37.5 56.3



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

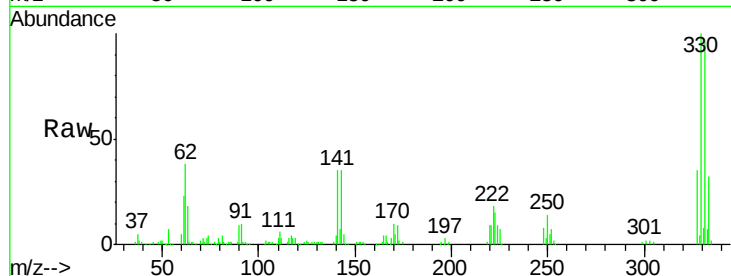




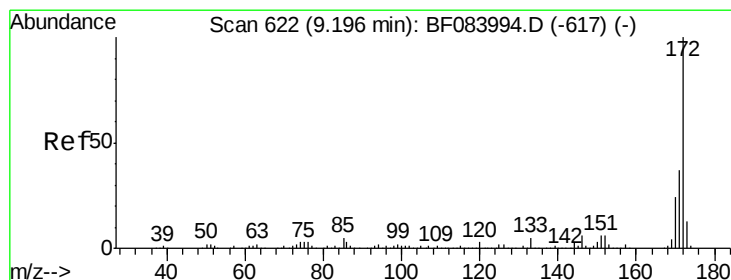
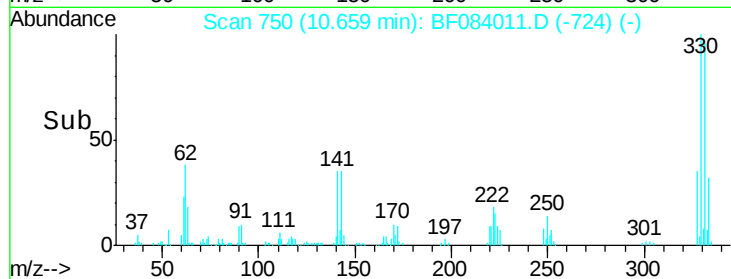
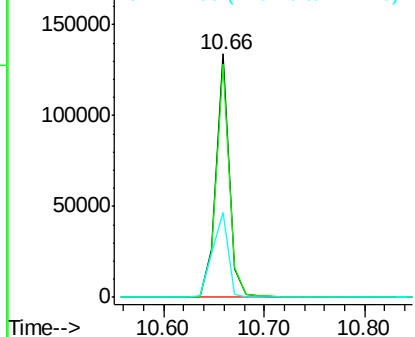
#41
 2,4,6-Tribromophenol
 Concen: 136.73 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: BF084011.D
 Acq: 23 Dec 2015 1:57

Instrument :
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Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.6	114.8
141	41.6	27.8	41.6

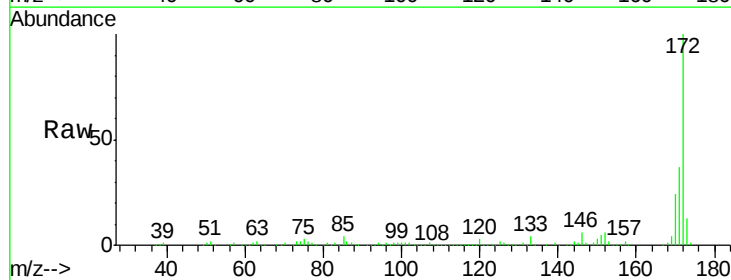


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

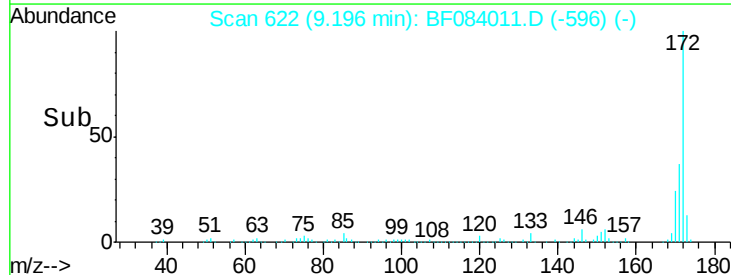
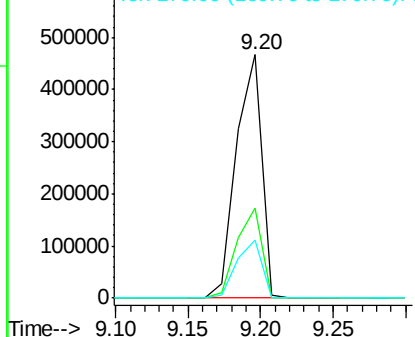


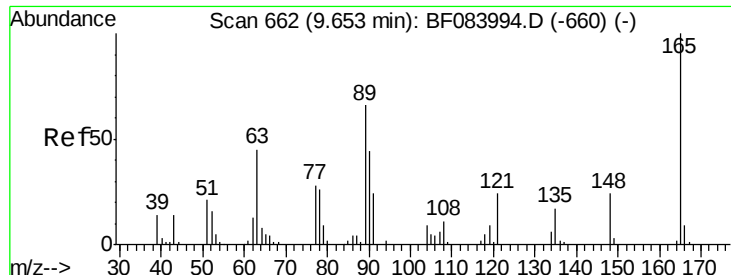
#44
 2-Fluorobiphenyl
 Concen: 80.63 ng
 RT: 9.20 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: BF084011.D
 Acq: 23 Dec 2015 1:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	28.9	43.3
170	24.0	18.6	27.8



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

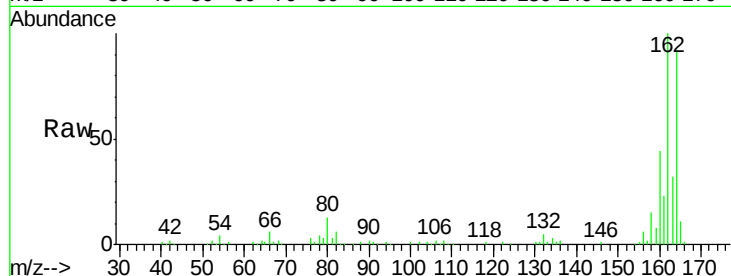




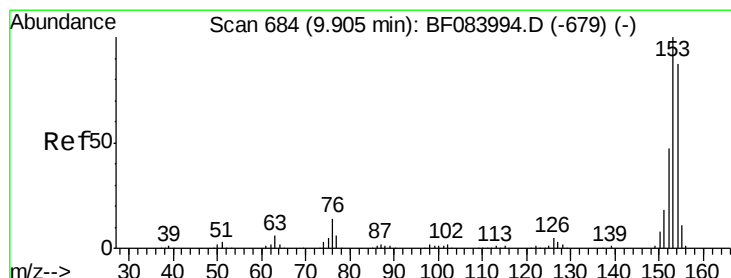
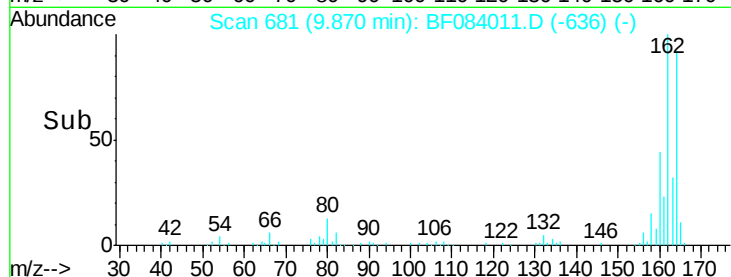
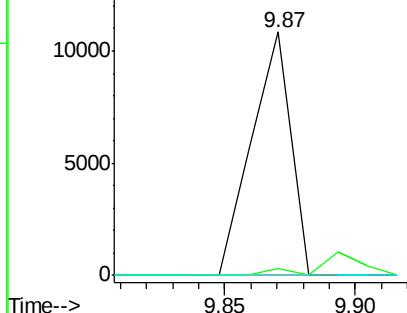
#50
2,6-Dinitrotoluene
Concen: 7.21 ng
RT: 9.87 min Scan# 681
Delta R.T. 0.22 min
Lab File: BF084011.D
Acq: 23 Dec 2015 1:57

Instrument :
BNA_F
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20151214MGP223BRV93

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.8	28.8	43.2#
89	0.0	35.1	52.7#

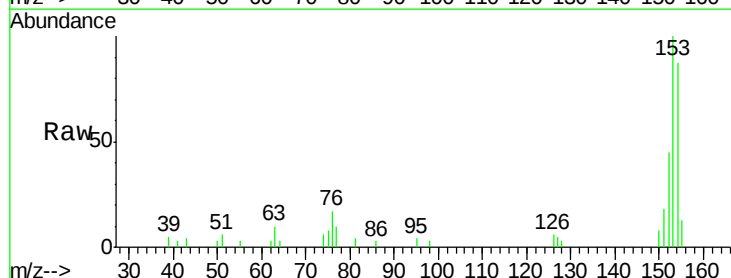


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

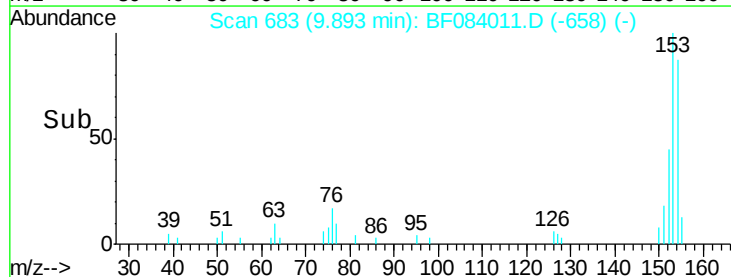
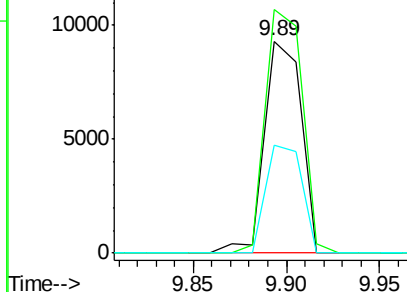


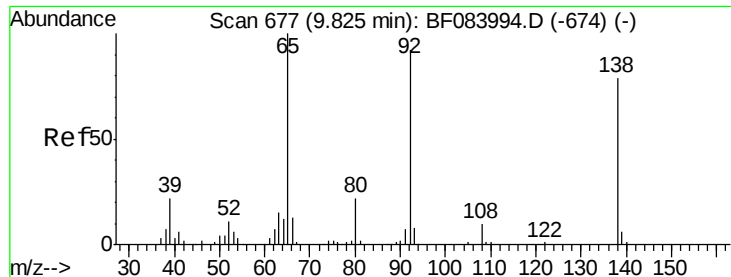
#51
Acenaphthene
Concen: 2.24 ng
RT: 9.89 min Scan# 683
Delta R.T. -0.01 min
Lab File: BF084011.D
Acq: 23 Dec 2015 1:57

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.0	91.5	137.3
152	51.2	43.0	64.6



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#52

3-Nitroaniline

Concen: 7.52 ng

RT: 9.79 min Scan# 674

Delta R.T. -0.03 min

Lab File: BF084011.D

Acq: 23 Dec 2015 1:57

Instrument :

BNA_F

ClientSampleId :

20151214MGP223BRV93

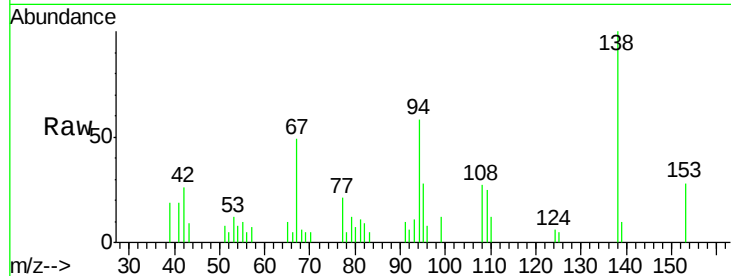
Tgt Ion:138 Resp: 12454

Ion Ratio Lower Upper

138 100

108 27.0 10.5 15.7#

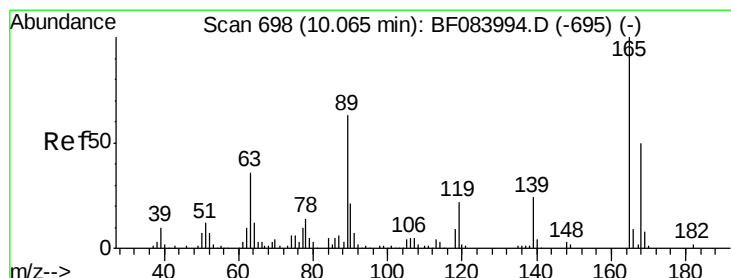
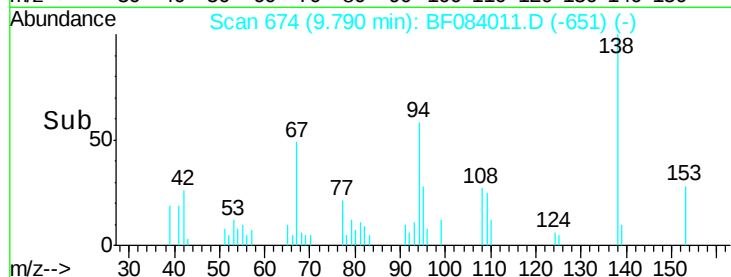
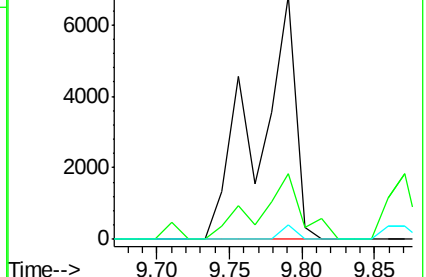
92 6.0 103.9 155.9#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0



#56

2,4-Dinitrotoluene

Concen: 5.73 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.19 min

Lab File: BF084011.D

Acq: 23 Dec 2015 1:57

Tgt Ion:165 Resp: 11230

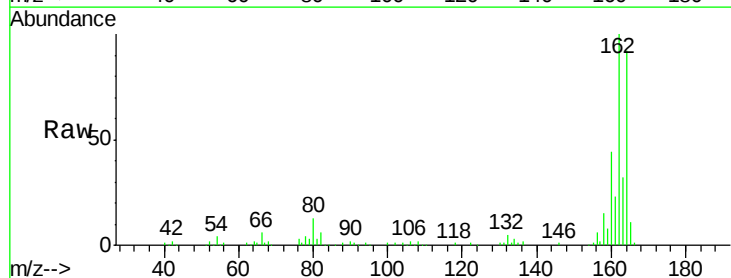
Ion Ratio Lower Upper

165 100

63 2.8 36.7 55.1#

89 0.0 61.9 92.9#

182 0.0 2.0 3.0#

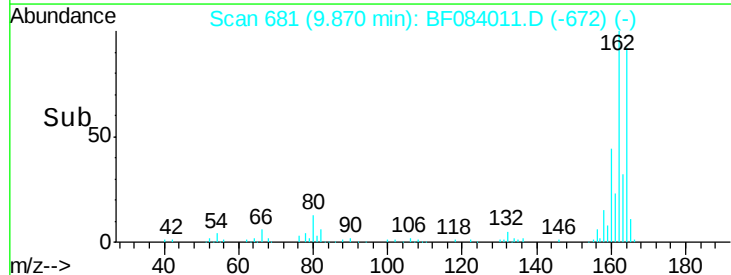
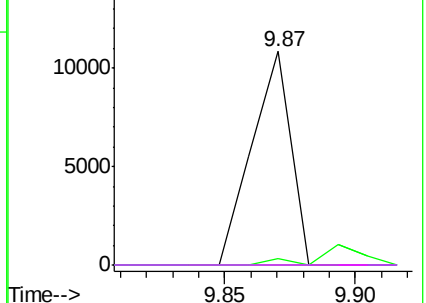


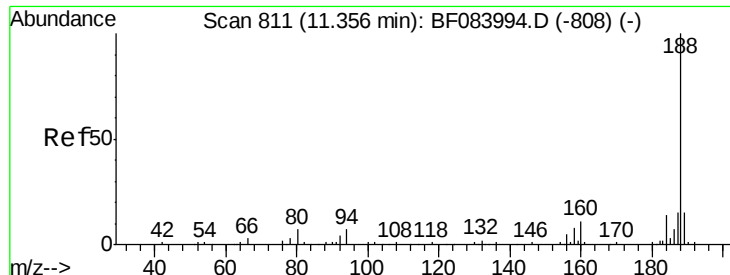
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

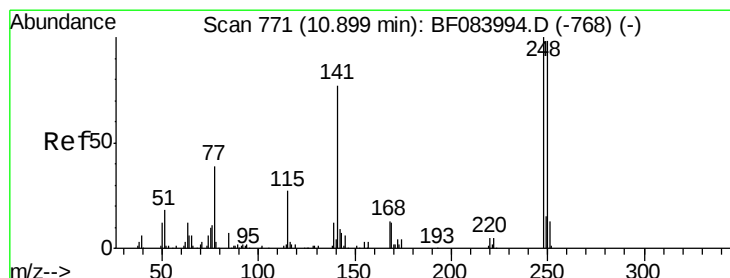
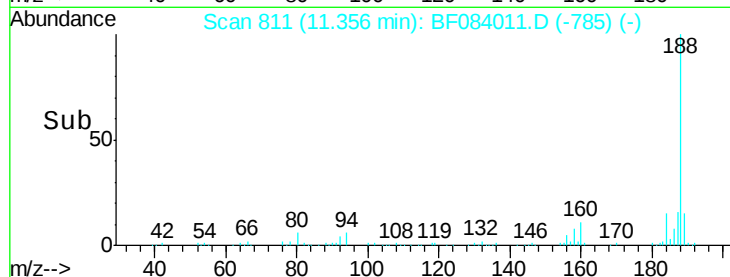
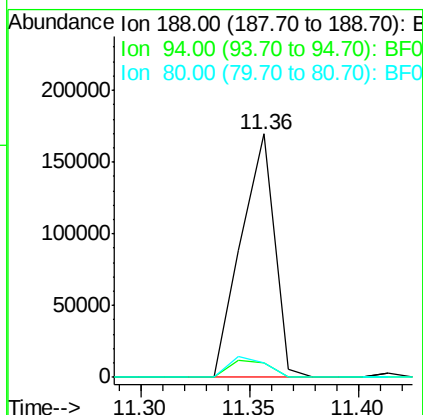
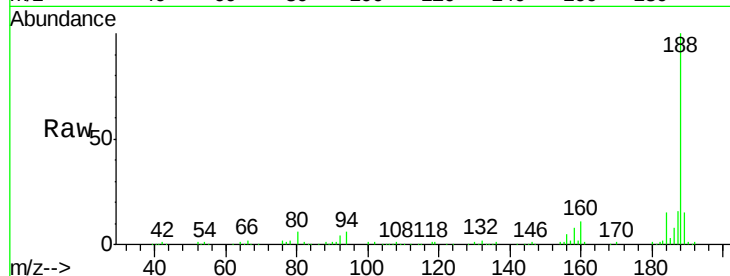




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF084011.D
Acq: 23 Dec 2015 1:57

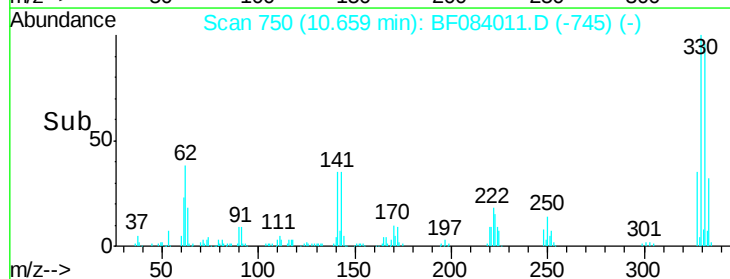
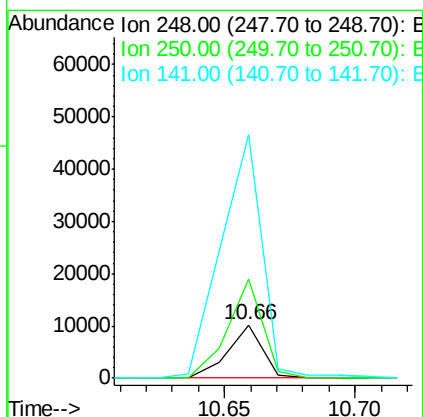
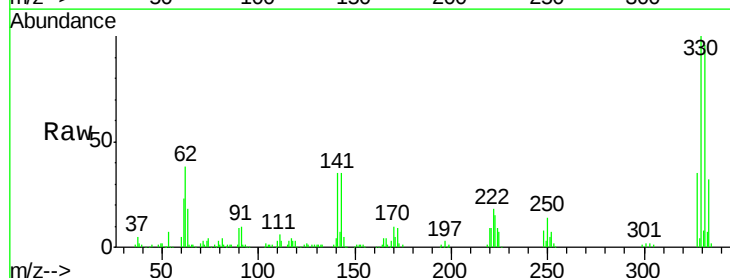
Instrument :
BNA_F
ClientSampleId :
20151214MGP223BRV93

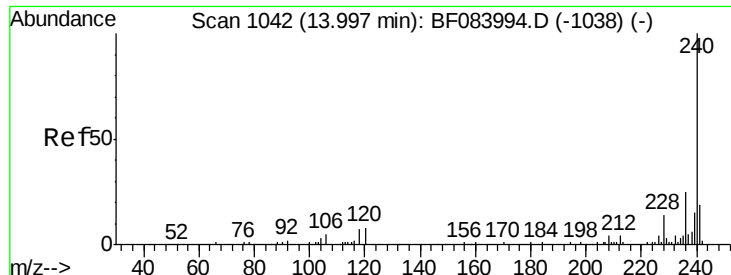
Tgt Ion	Ratio	Resp	Lower	Upper
188	100	181592		
94	5.9		9.0	13.4#
80	6.1		9.6	14.4#



#66
4-Bromophenyl-phenylether
Concen: 4.57 ng
RT: 10.66 min Scan# 750
Delta R.T. -0.24 min
Lab File: BF084011.D
Acq: 23 Dec 2015 1:57

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	9506		
250	186.0		78.4	117.6#
141	455.9		44.0	66.0#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BF084011.D

Acq: 23 Dec 2015 1:57

Instrument :

BNA_F

ClientSampleId :

20151214MGP223BRV93

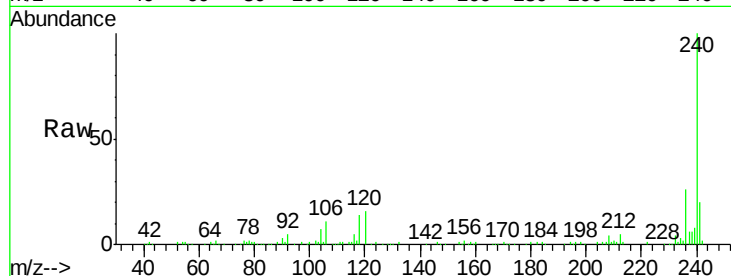
Tgt Ion:240 Resp: 167346

Ion Ratio Lower Upper

240 100

120 16.1 9.5 14.3#

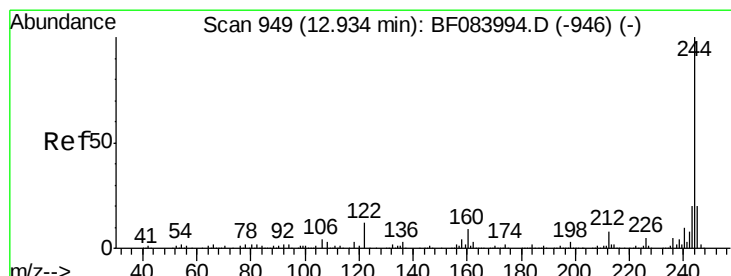
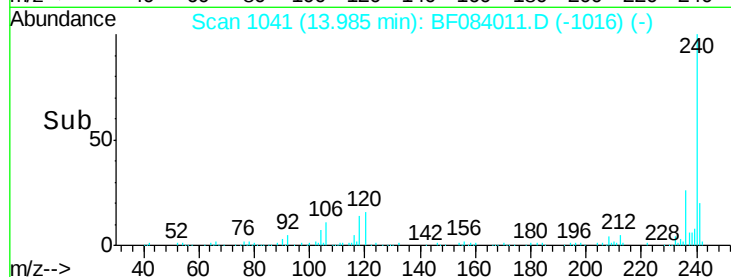
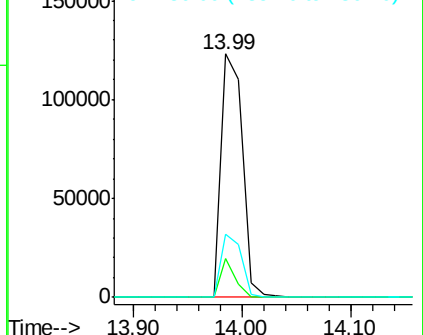
236 26.1 20.6 31.0



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: 80.65 ng

RT: 12.93 min Scan# 949

Delta R.T. -0.00 min

Lab File: BF084011.D

Acq: 23 Dec 2015 1:57

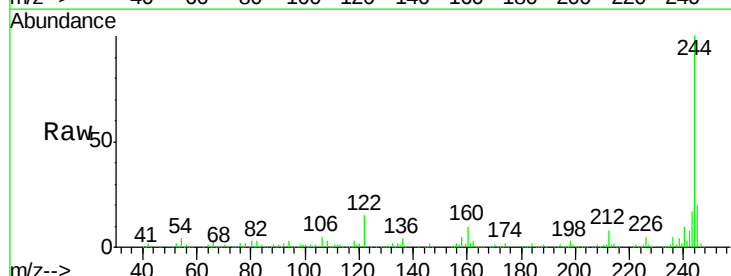
Tgt Ion:244 Resp: 565907

Ion Ratio Lower Upper

244 100

212 8.0 5.7 8.5

122 14.7 7.4 11.0#



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

