

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
 Data File : BF084016.D
 Acq On : 23 Dec 2015 4:16
 Operator : UM/SJ
 Sample : G4916-08
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20151214MGP1209BRV46.5

Quant Time: Dec 23 04:50:33 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

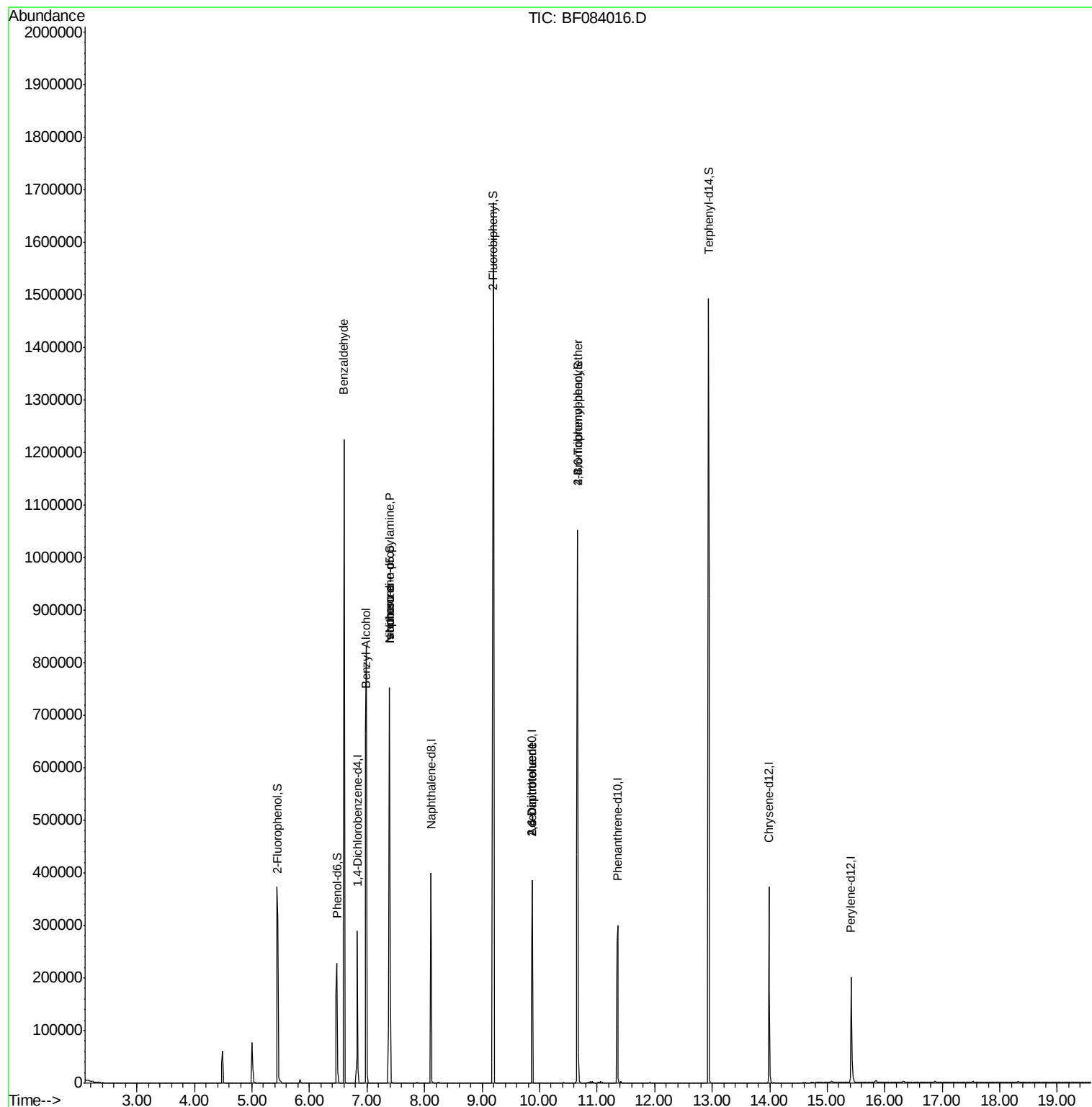
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	44946	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	180306	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	85856	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	160860	20.00	ng	0.00
75) Chrysene-d12	13.99	240	149360	20.00	ng	-0.01
86) Perylene-d12	15.41	264	114467	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	156728	59.46	ng	0.01
7) Phenol-d6	6.48	99	112799	36.39	ng	0.00
23) Nitrobenzene-d5	7.39	82	257025	87.57	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	134677	163.08	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	637054	99.86	ng	0.00
78) Terphenyl-d14	12.93	244	599816	95.77	ng	0.00
Target Compounds						
9) Benzaldehyde	6.60	77	7710	3.72	ng	# 85
15) Benzyl Alcohol	6.98	79	4939	2.02	ng	# 45
19) n-Nitroso-di-n-propylamine	7.39	70	35443	18.87	ng	# 78
25) Isophorone	7.39	82	231735	41.67	ng	# 66
50) 2,6-Dinitrotoluene	9.87	165	10495	7.40	ng	# 35
56) 2,4-Dinitrotoluene	9.87	165	10495	5.89	ng	# 20
66) 4-Bromophenyl-phenylether	10.66	248	9389	5.09	ng	# 1

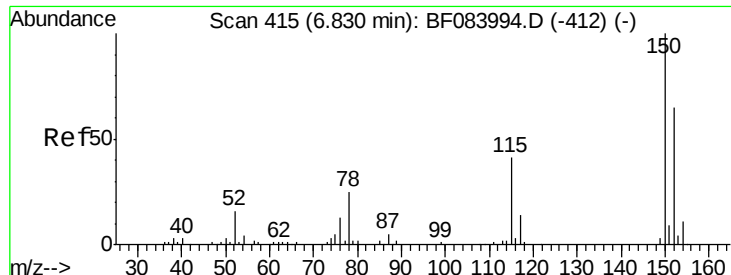
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 22 18:54:09 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.00 min

Lab File: BF084016.D

Acq: 23 Dec 2015 4:16

Instrument :

BNA_F

ClientSampleId :

20151214MGP1209BRV46.5

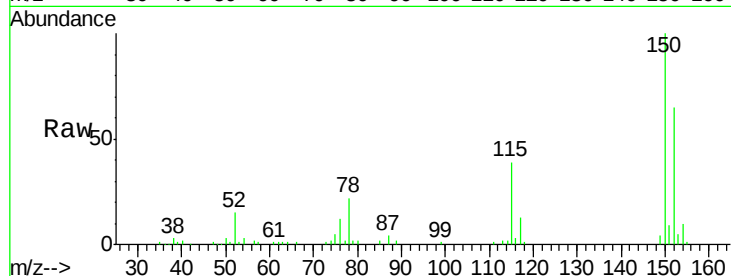
Tot Ion:152 Resp: 44946

Ion Ratio Lower Upper

152 100

150 153.6 123.0 184.4

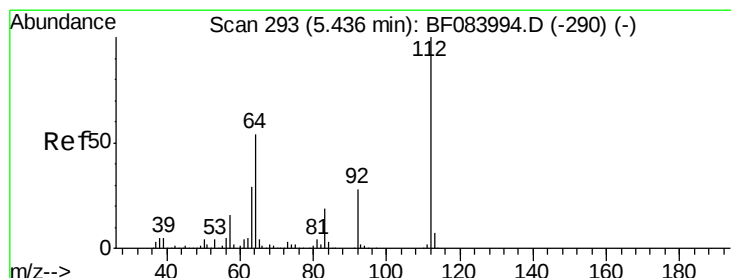
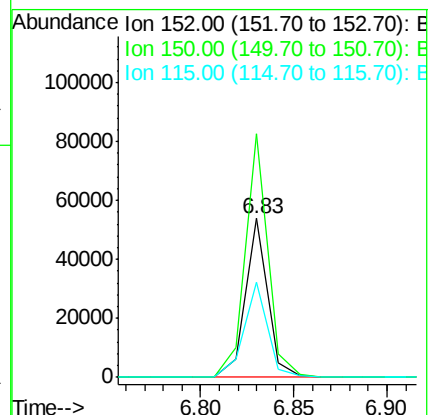
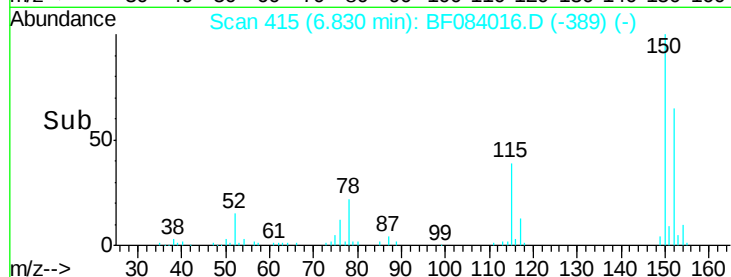
115 60.3 51.4 77.2



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: 59.46 ng

RT: 5.45 min Scan# 294

Delta R.T. 0.01 min

Lab File: BF084016.D

Acq: 23 Dec 2015 4:16

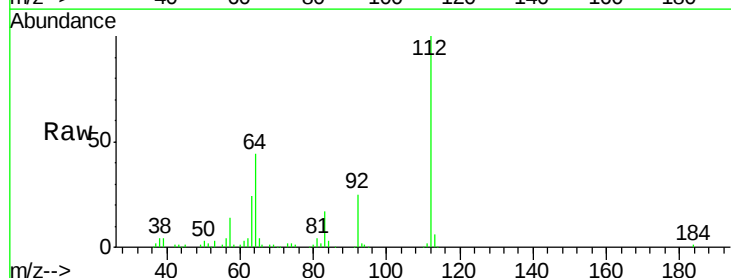
Tgt Ion:112 Resp: 156728

Ion Ratio Lower Upper

112 100

64 44.5 36.6 55.0

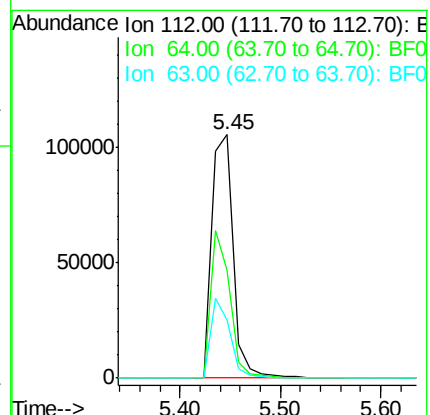
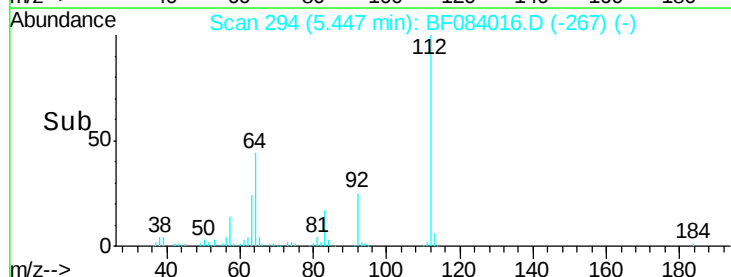
63 23.9 19.4 29.0

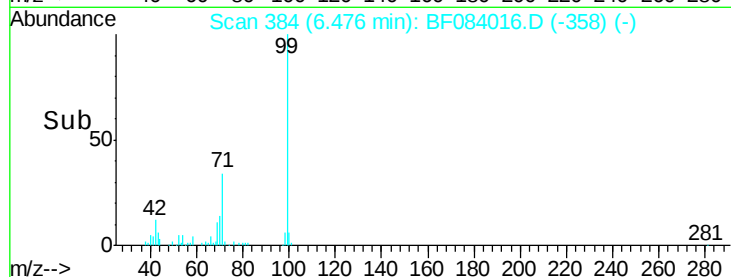
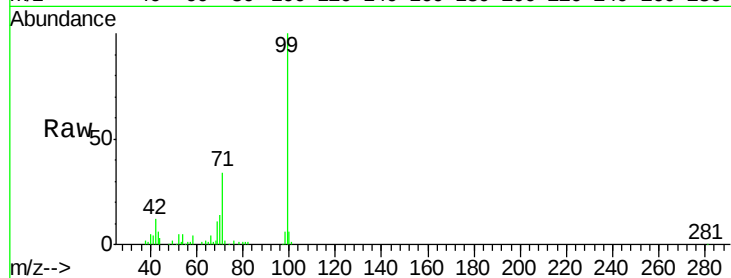
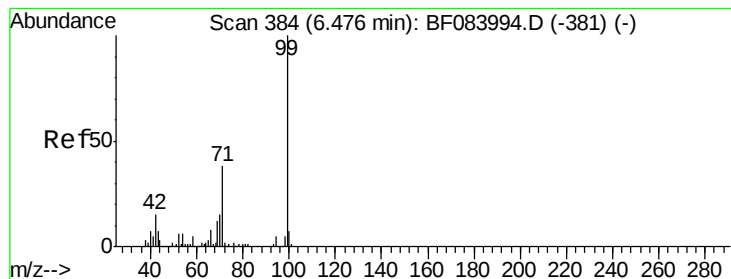


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 36.39 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.00 min

Lab File: BF084016.D

Acq: 23 Dec 2015 4:16

Instrument :

BNA_F

ClientSampleId :

20151214MGP1209BRV46.5

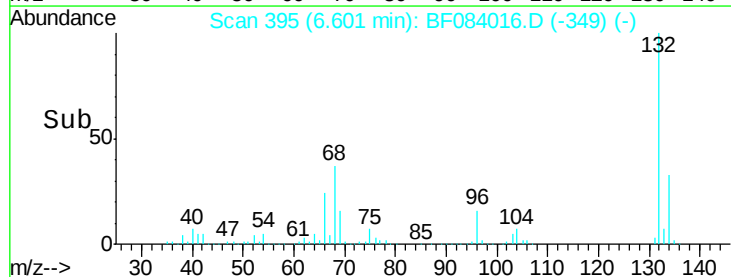
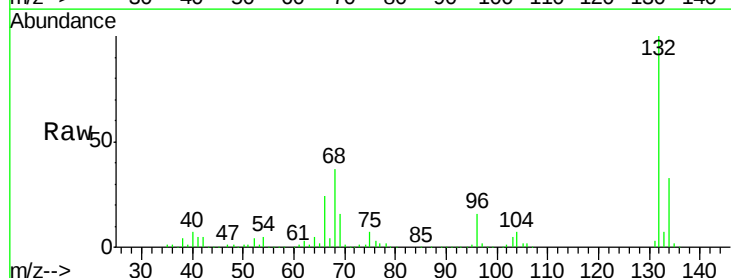
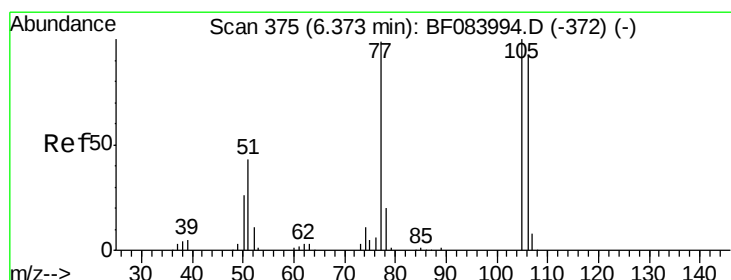
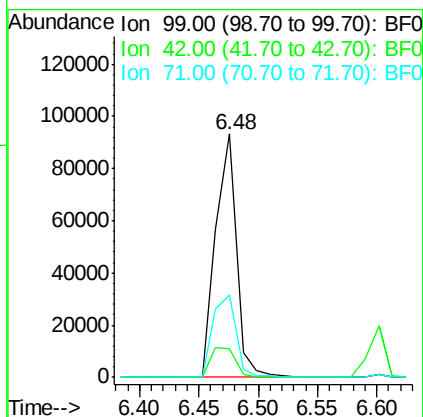
Tot Ion: 99 Resp: 112799

Ion Ratio Lower Upper

99 100

42 11.9 12.8 19.2#

71 33.6 30.9 46.3



#9

Benzaldehyde

Concen: 3.72 ng

RT: 6.60 min Scan# 395

Delta R.T. 0.23 min

Lab File: BF084016.D

Acq: 23 Dec 2015 4:16

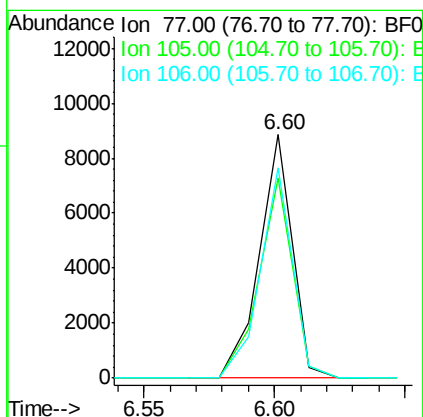
Tgt Ion: 77 Resp: 7710

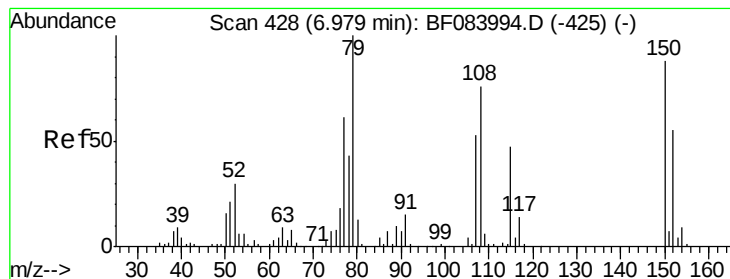
Ion Ratio Lower Upper

77 100

105 82.0 83.0 123.0#

106 86.4 74.6 114.6





#15

Benzyl Alcohol

Concen: 2.02 ng

RT: 6.98 min Scan# 428

Delta R.T. -0.00 min

Lab File: BF084016.D

Acq: 23 Dec 2015 4:16

Instrument :

BNA_F

ClientSampleId :

20151214MGP1209BRV46.5

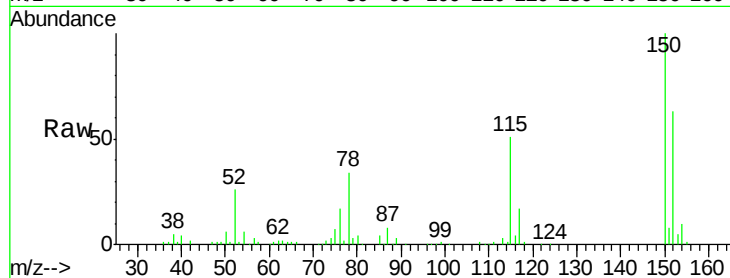
Tot Ion: 79 Resp: 4939

Ion Ratio Lower Upper

79 100

108 28.6 69.0 103.4#

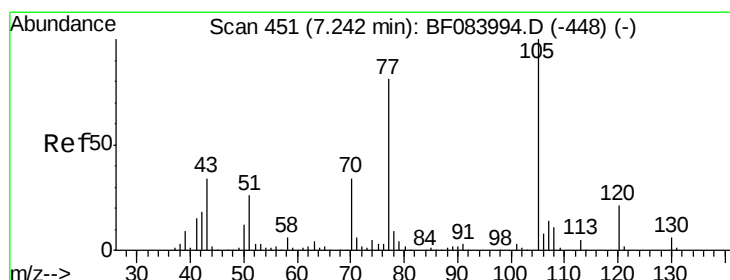
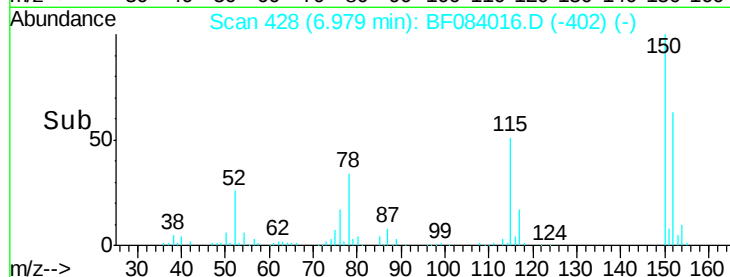
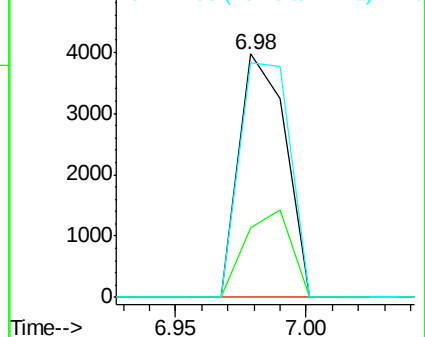
77 96.5 50.0 75.0#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 18.87 ng

RT: 7.39 min Scan# 464

Delta R.T. 0.15 min

Lab File: BF084016.D

Acq: 23 Dec 2015 4:16

Tgt Ion: 70 Resp: 35443

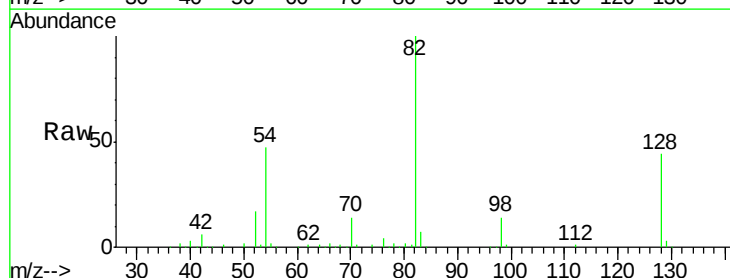
Ion Ratio Lower Upper

70 100

42 41.4 33.3 49.9

101 0.0 9.3 13.9#

130 2.1 23.4 35.0#

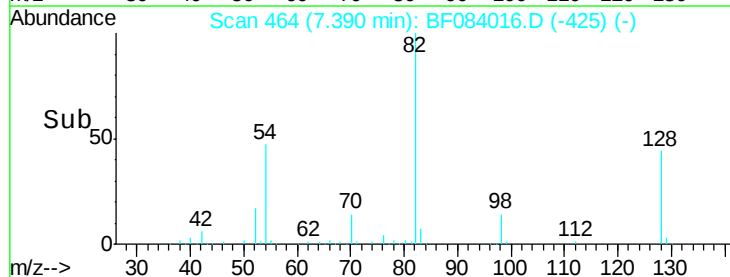
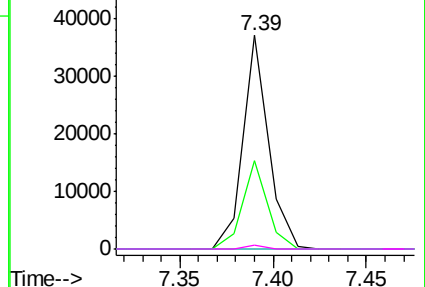


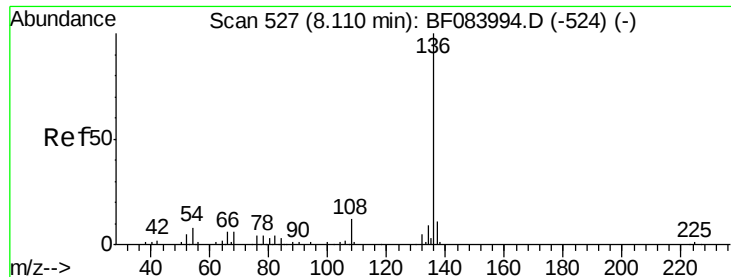
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

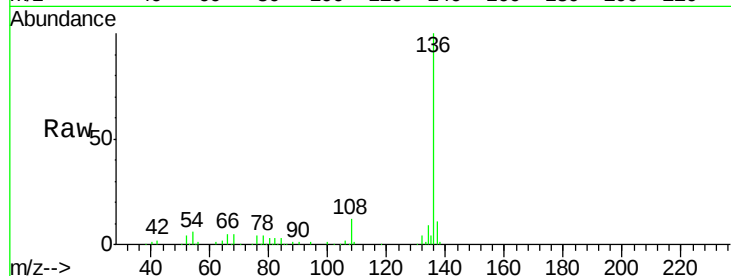




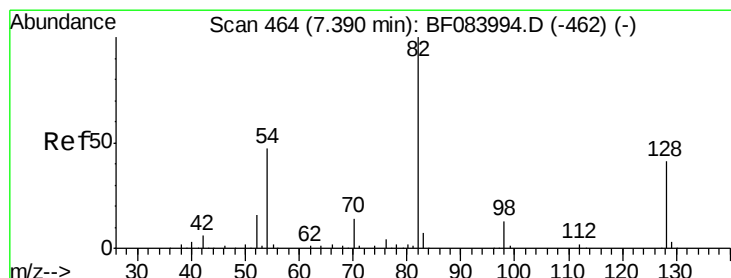
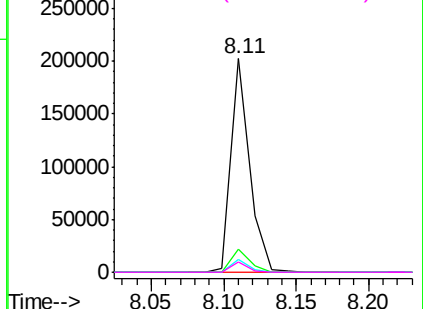
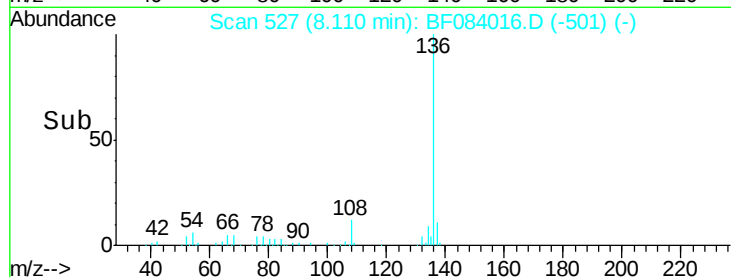
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 527
Delta R.T. -0.00 min
Lab File: BF084016.D
Acq: 23 Dec 2015 4:16

Instrument :
BNA_F
ClientSampleId :
20151214MGP1209BRV46.5

Tot Ion:136	Resp:	180306
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.7 13.1
54	6.2	5.8 8.8
68	4.8	4.2 6.2

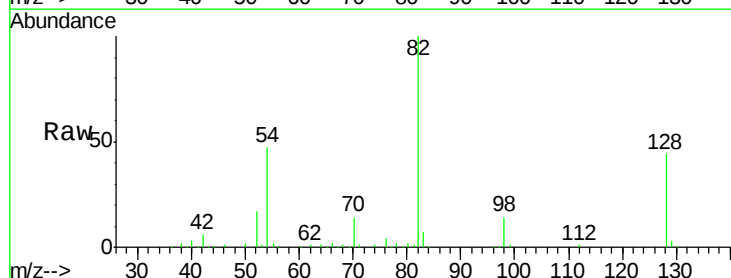


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

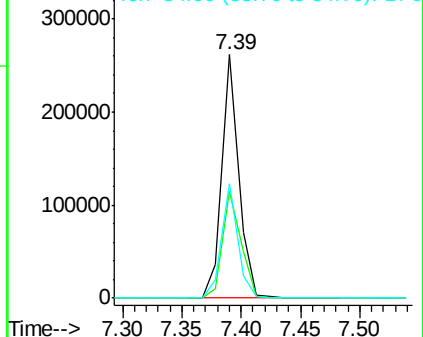
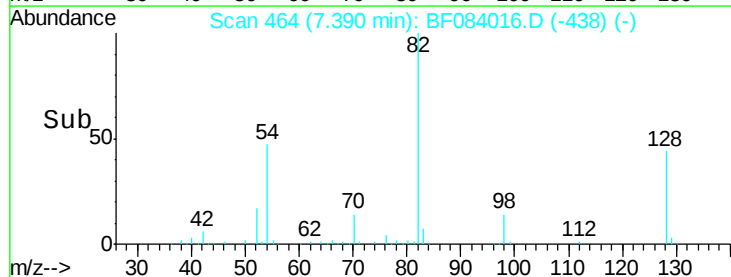


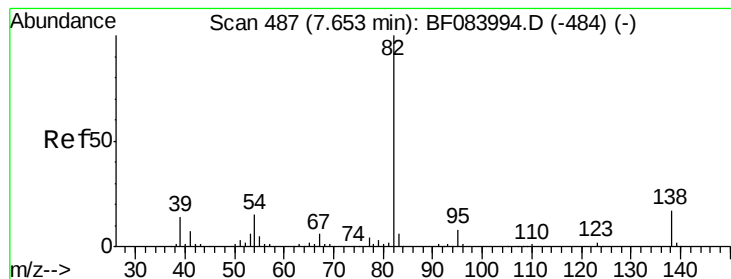
#23
Nitrobenzene-d5
Concen: 87.57 ng
RT: 7.39 min Scan# 464
Delta R.T. -0.00 min
Lab File: BF084016.D
Acq: 23 Dec 2015 4:16

Tgt Ion: 82	Resp:	257025
Ion Ratio	Lower	Upper
82	100	
128	44.0	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: 41.67 ng

RT: 7.39 min Scan# 464

Delta R.T. -0.26 min

Lab File: BF084016.D

Acq: 23 Dec 2015 4:16

Instrument :

BNA_F

ClientSampleId :

20151214MGP1209BRV46.5

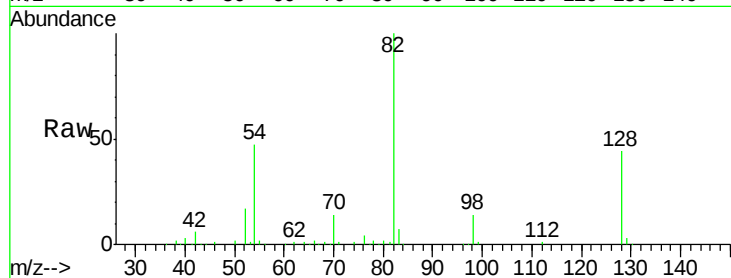
Tot Ion: 82 Resp: 231735

Ion Ratio Lower Upper

82 100

95 0.0 6.6 10.0#

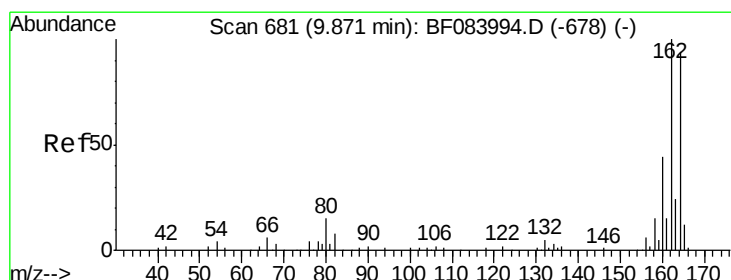
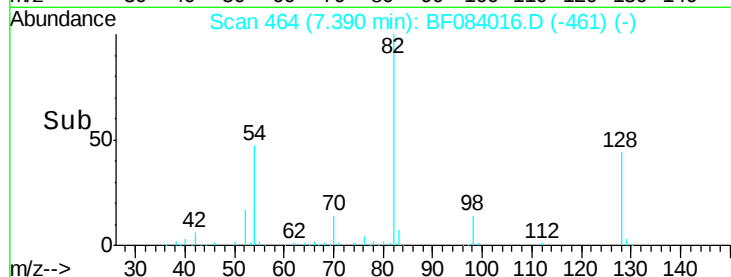
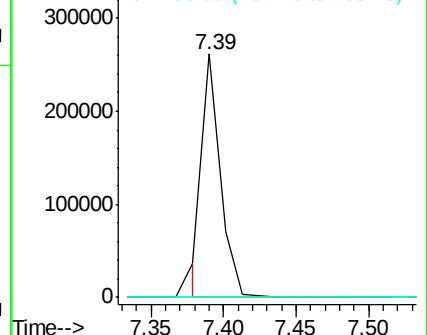
138 0.0 13.6 20.4#



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: BF084016.D

Acq: 23 Dec 2015 4:16

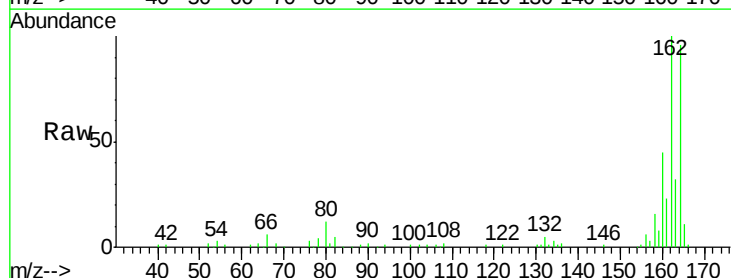
Tgt Ion: 164 Resp: 85856

Ion Ratio Lower Upper

164 100

162 104.7 85.1 127.7

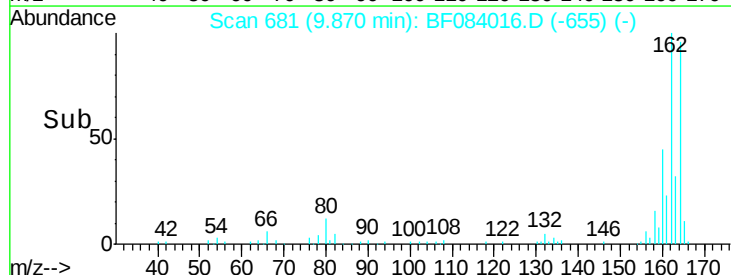
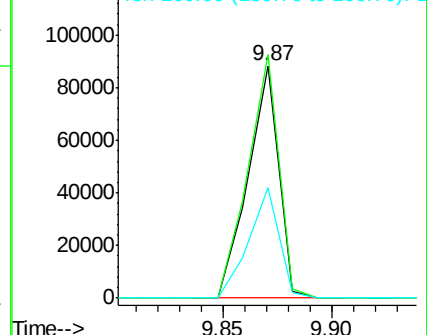
160 47.3 37.5 56.3

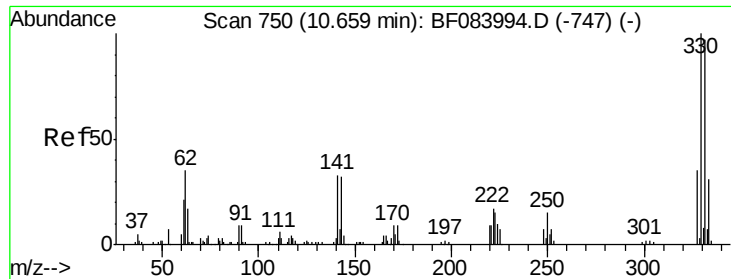


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

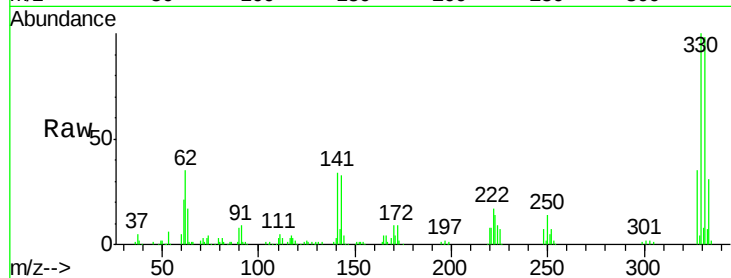




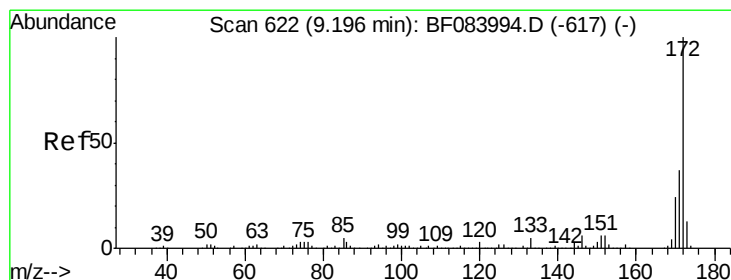
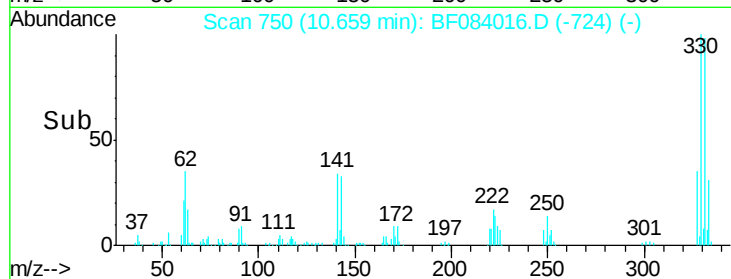
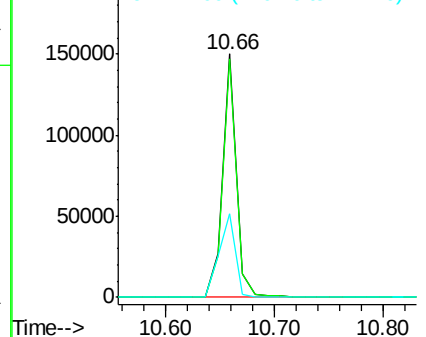
#41
 2,4,6-Tribromophenol
 Concen: 163.08 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: BF084016.D
 Acq: 23 Dec 2015 4:16

Instrument :
 BNA_F
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 20151214MGP1209BRV46.5

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.6	114.8
141	40.8	27.8	41.6

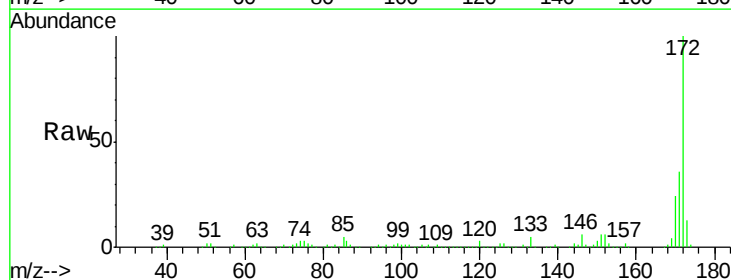


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

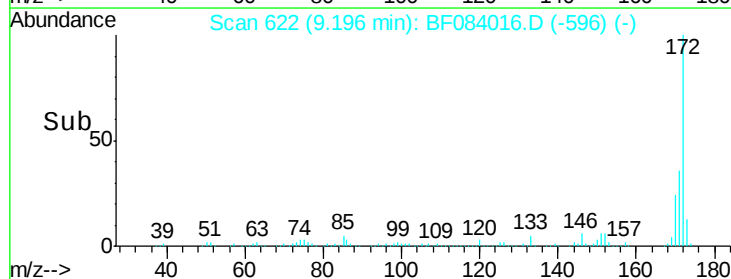
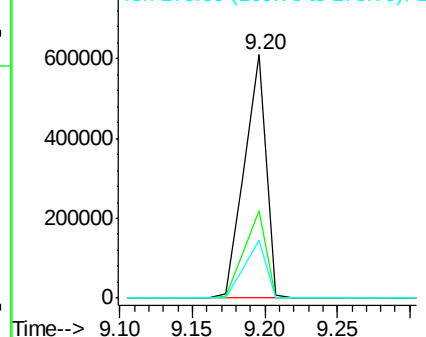


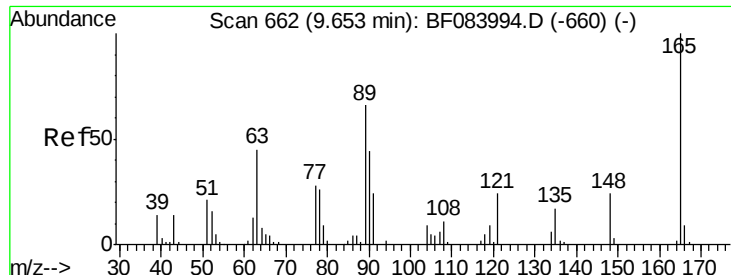
#44
 2-Fluorobiphenyl
 Concen: 99.86 ng
 RT: 9.20 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: BF084016.D
 Acq: 23 Dec 2015 4:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.9	43.3
170	23.8	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

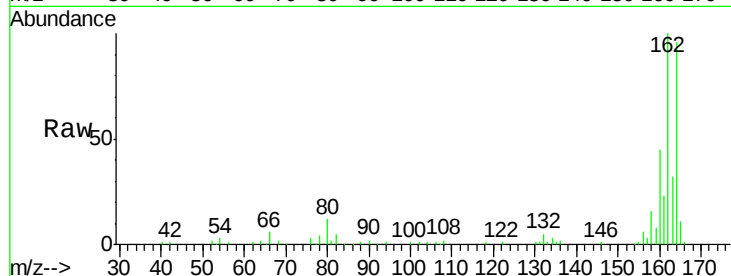




#50
 2,6-Dinitrotoluene
 Concen: 7.40 ng
 RT: 9.87 min Scan# 681
 Delta R.T. 0.22 min
 Lab File: BF084016.D
 Acq: 23 Dec 2015 4:16

Instrument :
 BNA_F
 ClientSampleId :
 20151214MGP1209BRV46.5

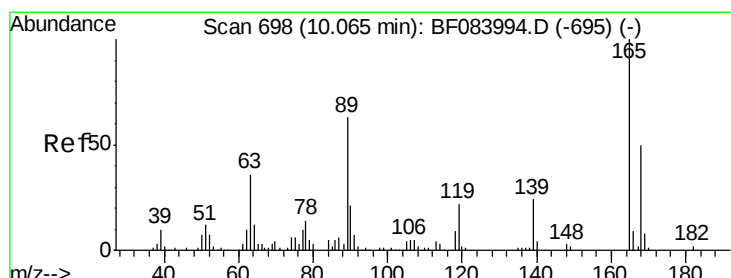
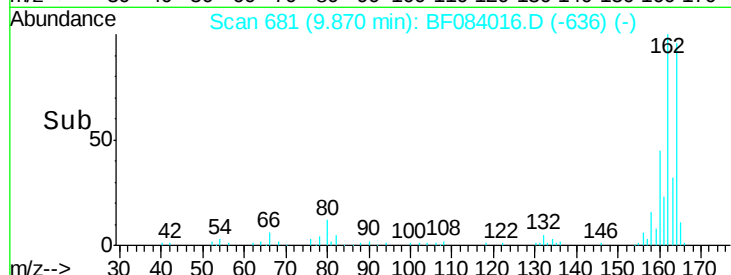
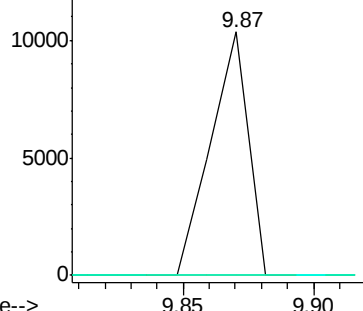
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.8	43.2#
89	0.0	35.1	52.7#



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



#56
 2,4-Dinitrotoluene
 Concen: 5.89 ng
 RT: 9.87 min Scan# 681
 Delta R.T. -0.19 min
 Lab File: BF084016.D
 Acq: 23 Dec 2015 4:16

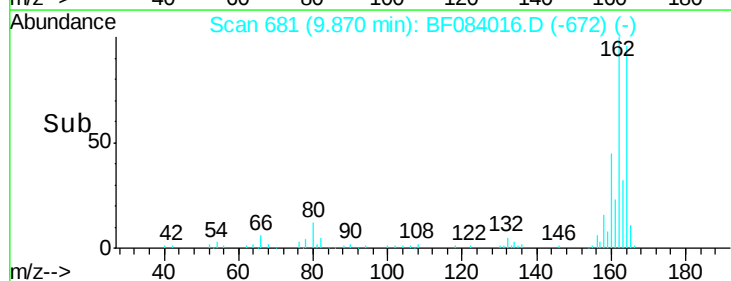
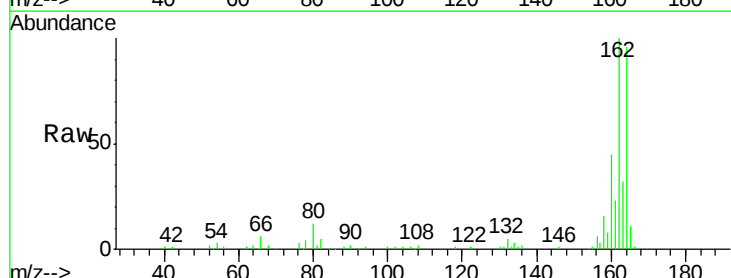
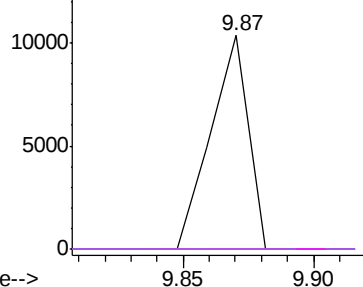
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.7	55.1#
89	0.0	61.9	92.9#
182	0.0	2.0	3.0#

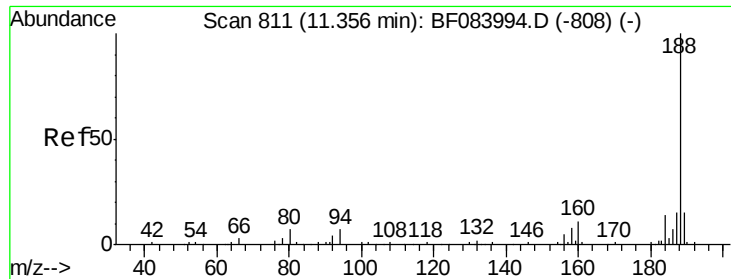
Abundance Ion 165.00 (164.70 to 165.70): E

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

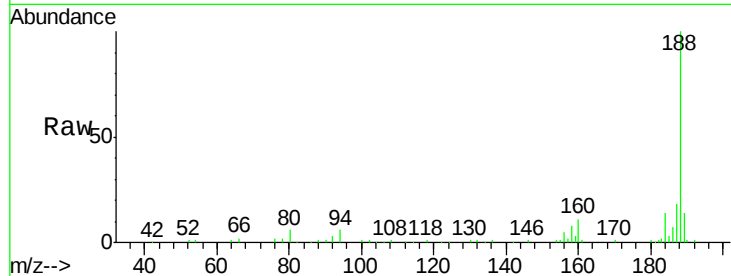




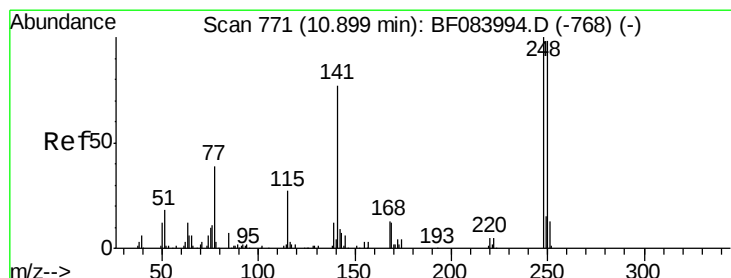
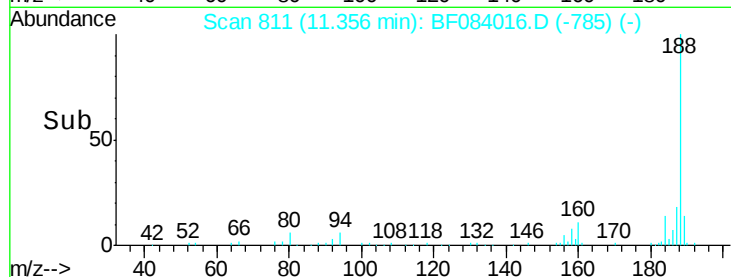
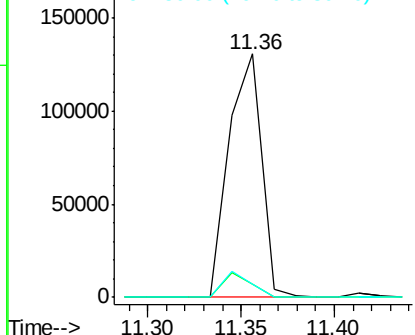
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF084016.D
Acq: 23 Dec 2015 4:16

Instrument :
BNA_F
ClientSampleId :
20151214MGP1209BRV46.5

Tot Ion:188 Resp: 160860
Ion Ratio Lower Upper
188 100
94 5.7 9.0 13.4#
80 5.5 9.6 14.4#

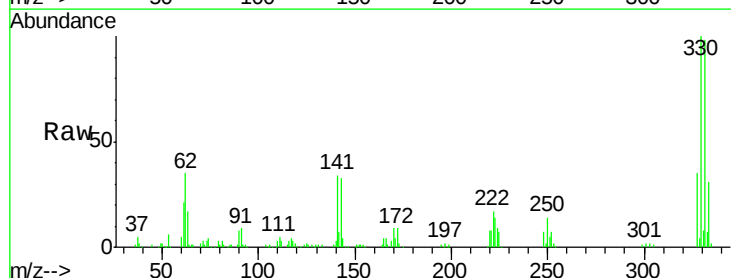


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

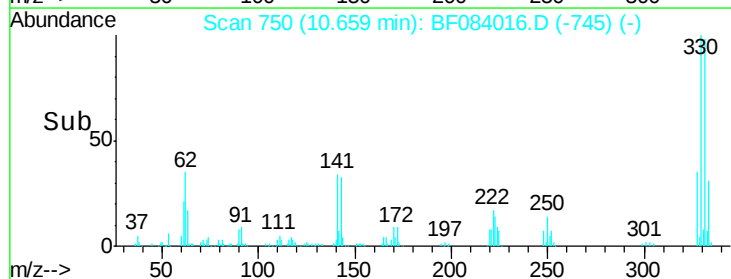
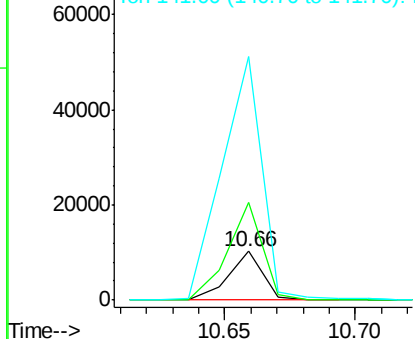


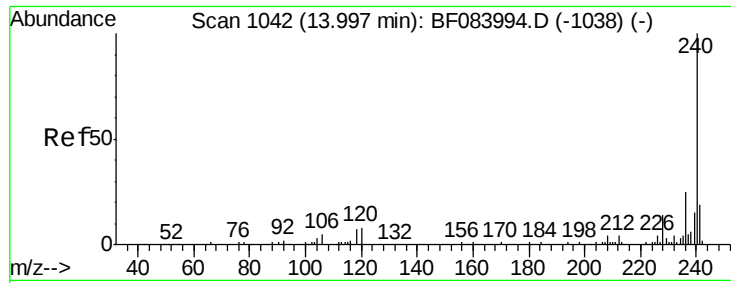
#66
4-Bromophenyl-phenylether
Concen: 5.09 ng
RT: 10.66 min Scan# 750
Delta R.T. -0.24 min
Lab File: BF084016.D
Acq: 23 Dec 2015 4:16

Tgt Ion:248 Resp: 9389
Ion Ratio Lower Upper
248 100
250 201.0 78.4 117.6#
141 499.1 44.0 66.0#



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: 13.99 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BF084016.D

Acq: 23 Dec 2015 4:16

Instrument :

BNA_F

ClientSampleId :

20151214MGP1209BRV46.5

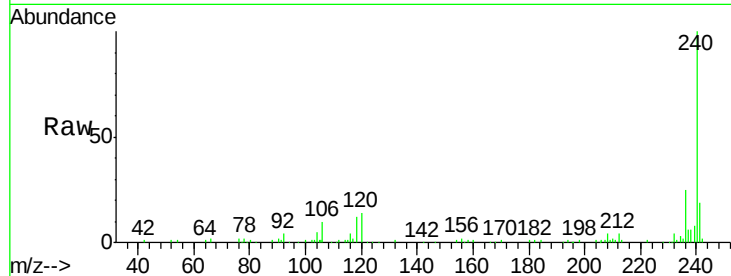
Tot Ion:240 Resp: 149360

Ion Ratio Lower Upper

240 100

120 13.9 9.5 14.3

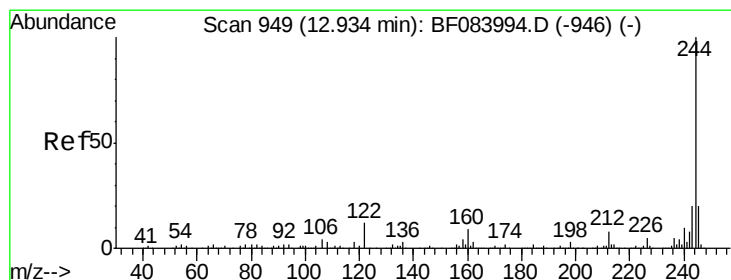
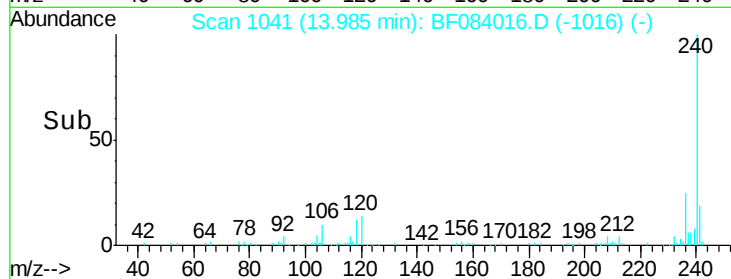
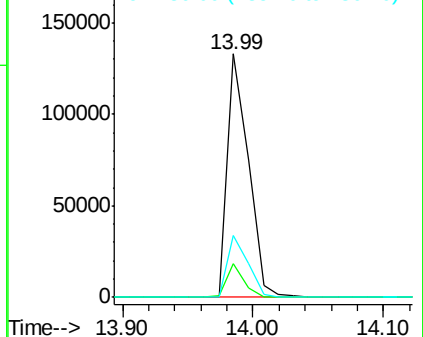
236 25.4 20.6 31.0



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: 95.77 ng

RT: 12.93 min Scan# 949

Delta R.T. -0.00 min

Lab File: BF084016.D

Acq: 23 Dec 2015 4:16

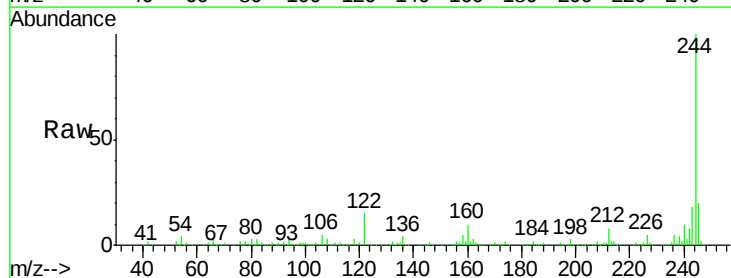
Tgt Ion:244 Resp: 599816

Ion Ratio Lower Upper

244 100

212 7.9 5.7 8.5

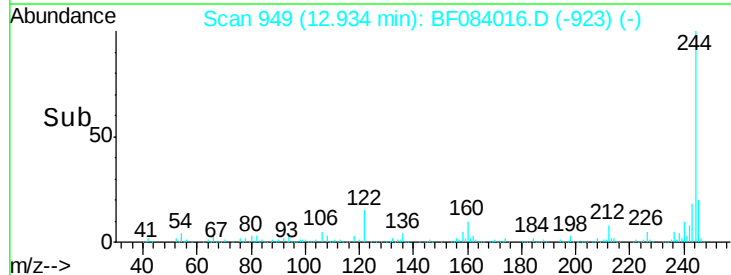
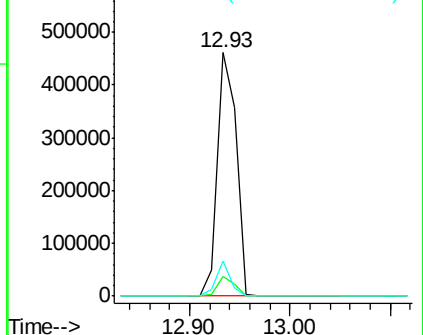
122 14.5 7.4 11.0#

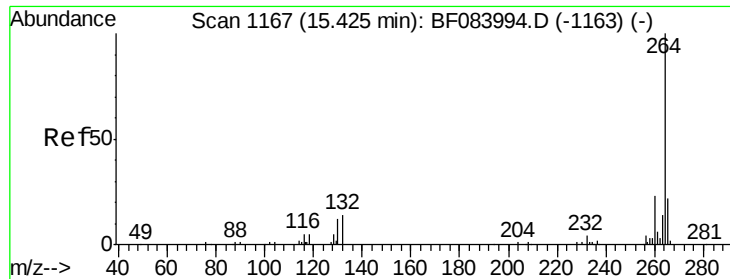


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

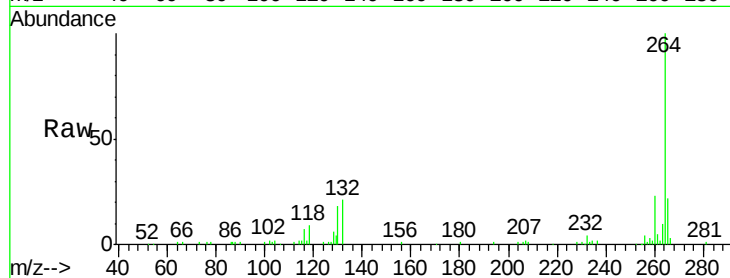




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.41 min Scan# 1166
 Delta R.T. -0.01 min
 Lab File: BF084016.D
 Acq: 23 Dec 2015 4:16

Instrument :
 BNA_F
 ClientSampleId :
 20151214MGP1209BRV46.5

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.4	29.2
265	22.1	17.8	26.6



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

