

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
 Data File : BF084019.D
 Acq On : 23 Dec 2015 5:40
 Operator : UM/SJ
 Sample : G4916-11
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20151217MGP216BRV90

Quant Time: Dec 23 06:45:20 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	44995	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	189122	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	90445	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	171067	20.00	ng	0.00
75) Chrysene-d12	13.99	240	303805	20.00	ng	-0.01
86) Perylene-d12	15.43	264	131568	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	191436	72.54	ng	0.01
7) Phenol-d6	6.48	99	152151	49.04	ng	0.00
23) Nitrobenzene-d5	7.39	82	265704	86.31	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	140865	161.92	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	669003	99.55	ng	0.00
78) Terphenyl-d14	12.95	244	1127009	88.47	ng	0.01

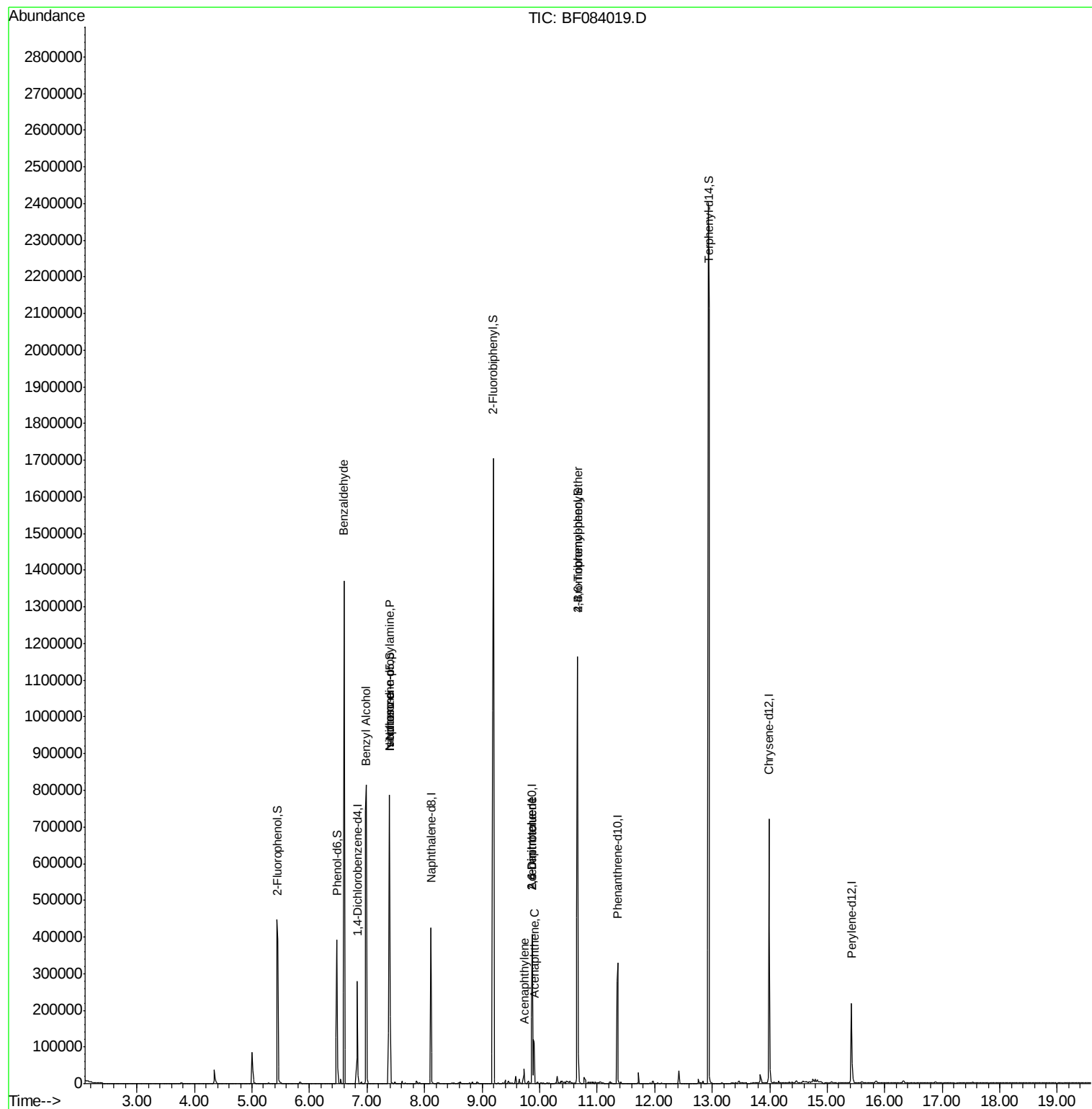
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.60	77	8339	4.02	ng	85
15) Benzyl Alcohol	6.98	79	5183	2.12	ng	# 50
19) n-Nitroso-di-n-propylamine	7.39	70	36997	19.68	ng	# 77
25) Isophorone	7.39	82	232112	39.79	ng	# 66
48) Acenaphthylene	9.73	152	23226	2.55	ng	98
50) 2,6-Dinitrotoluene	9.87	165	11789	7.89	ng	# 35
51) Acenaphthene	9.90	154	42150	7.78	ng	96
56) 2,4-Dinitrotoluene	9.87	165	11789	6.28	ng	# 20
66) 4-Bromophenyl-phenylether	10.66	248	10562	5.38	ng	# 1

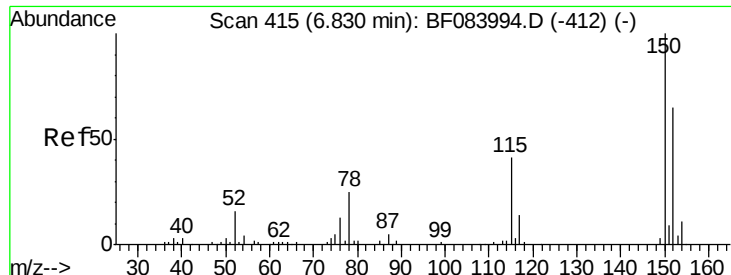
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF084019.D

Acq: 23 Dec 2015 5:40

Instrument :

BNA_F

ClientSampleId :

20151217MGP216BRV90

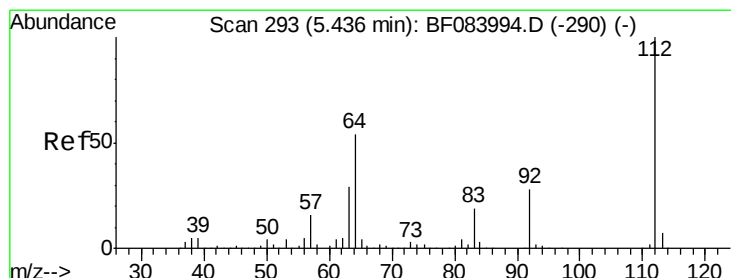
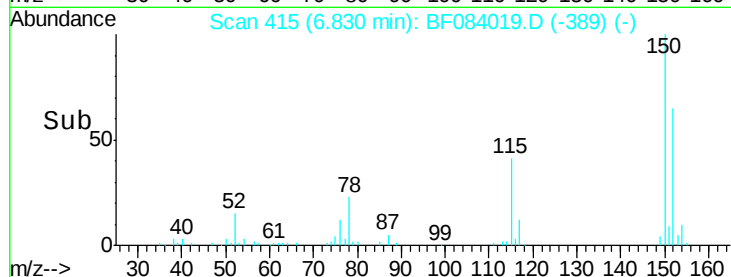
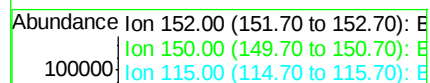
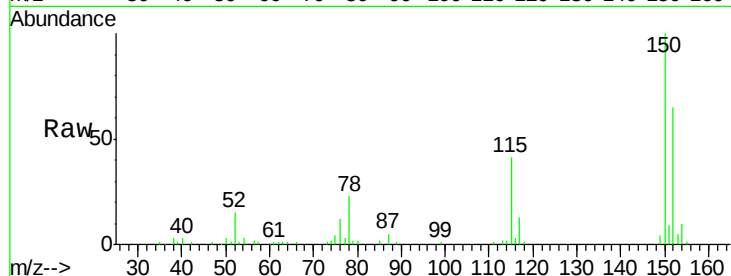
Tot Ion:152 Resp: 44995

Ion Ratio Lower Upper

152 100

150 154.4 123.0 184.4

115 62.8 51.4 77.2



#5

2-Fluorophenol

Concen: 72.54 ng

RT: 5.45 min Scan# 294

Delta R.T. 0.01 min

Lab File: BF084019.D

Acq: 23 Dec 2015 5:40

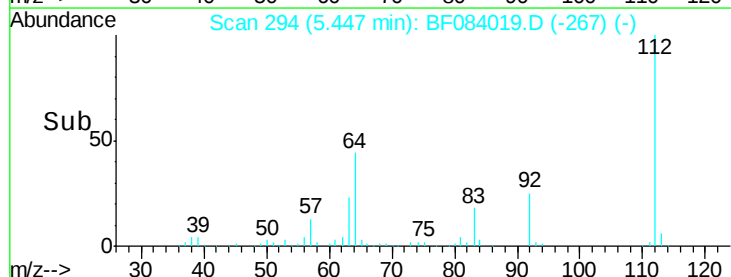
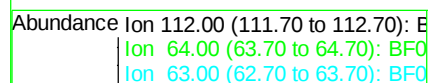
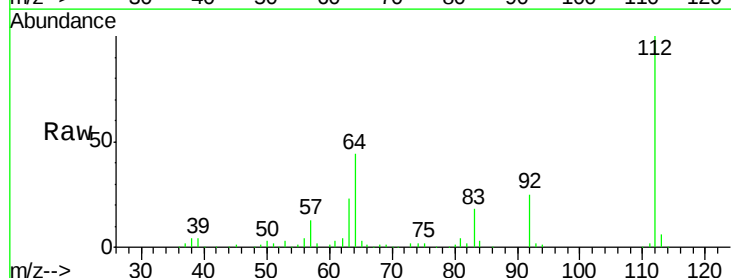
Tgt Ion:112 Resp: 191436

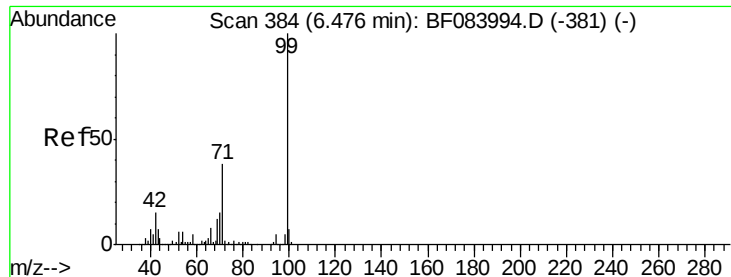
Ion Ratio Lower Upper

112 100

64 44.0 36.6 55.0

63 23.5 19.4 29.0





#7

Phenol-d6

Concen: 49.04 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.00 min

Lab File: BF084019.D

Acq: 23 Dec 2015 5:40

Instrument :

BNA_F

ClientSampleId :

20151217MGP216BRV90

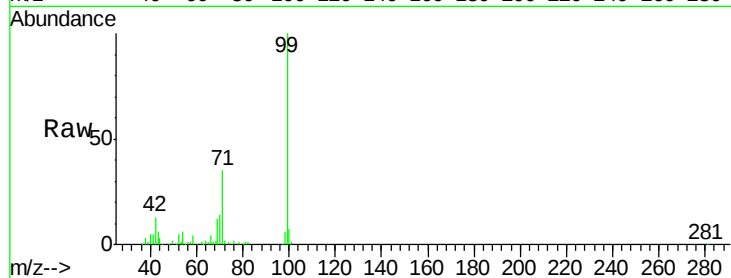
Tot Ion: 99 Resp: 152151

Ion Ratio Lower Upper

99 100

42 12.9 12.8 19.2

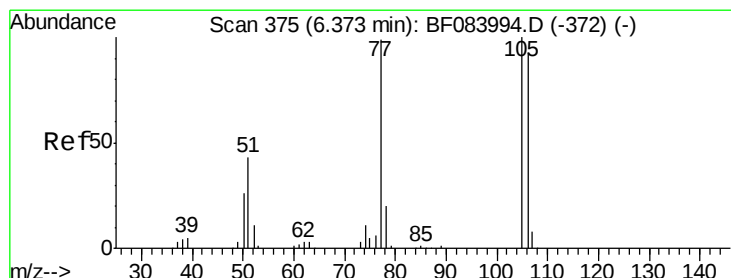
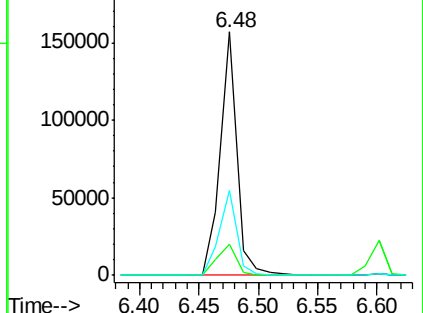
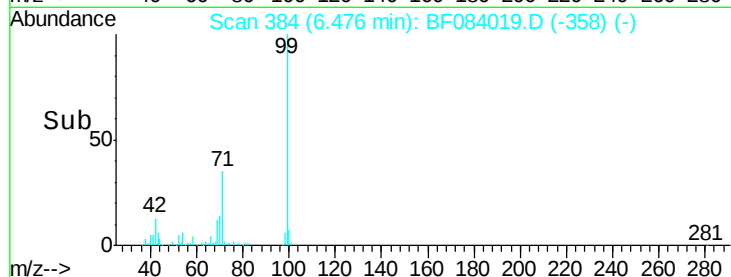
71 34.8 30.9 46.3



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: 4.02 ng

RT: 6.60 min Scan# 395

Delta R.T. 0.23 min

Lab File: BF084019.D

Acq: 23 Dec 2015 5:40

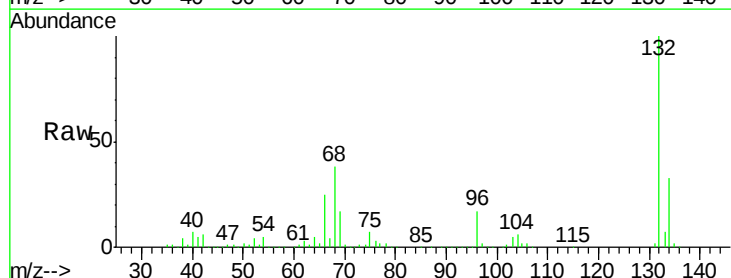
Tgt Ion: 77 Resp: 8339

Ion Ratio Lower Upper

77 100

105 83.9 83.0 123.0

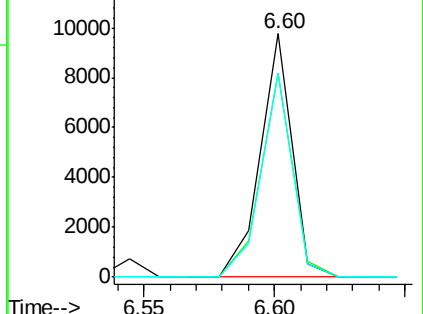
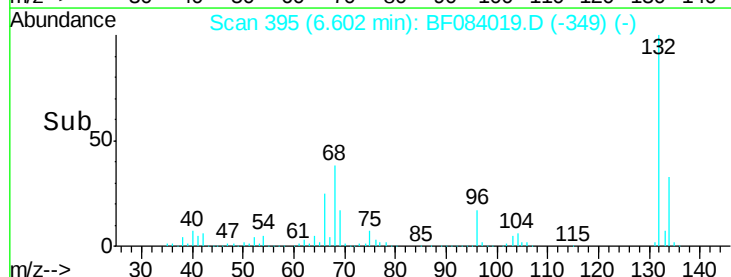
106 83.9 74.6 114.6

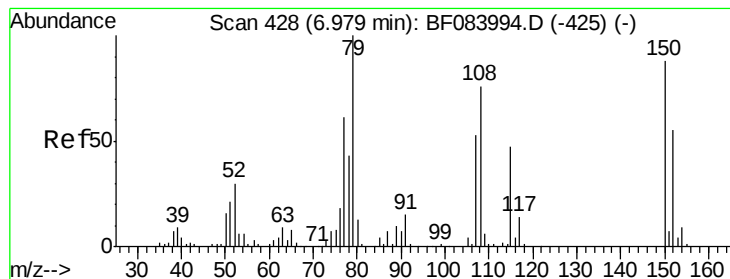


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.12 ng

RT: 6.98 min Scan# 428

Delta R.T. -0.00 min

Lab File: BF084019.D

Acq: 23 Dec 2015 5:40

Instrument :

BNA_F

ClientSampleId :

20151217MGP216BRV90

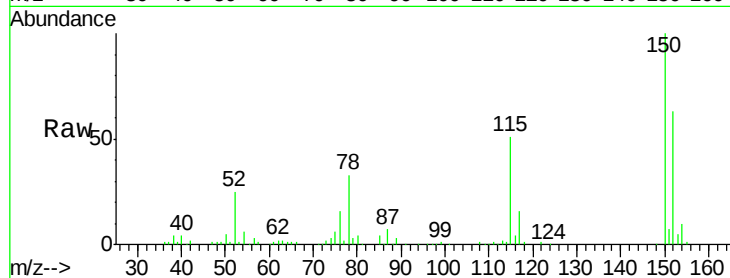
Tot Ion: 79 Resp: 5183

Ion Ratio Lower Upper

79 100

108 29.0 69.0 103.4#

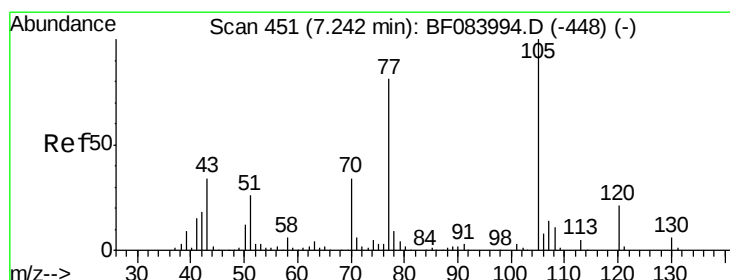
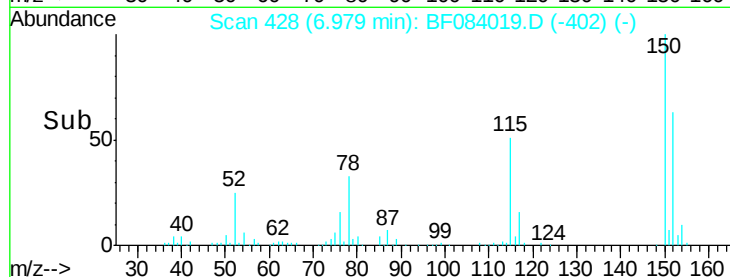
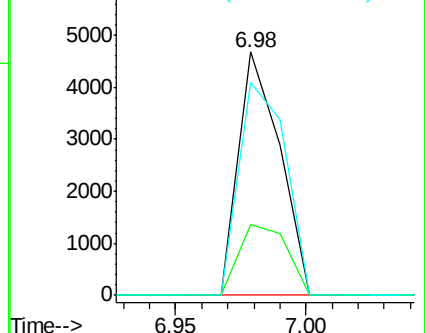
77 87.6 50.0 75.0#



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: 19.68 ng

RT: 7.39 min Scan# 464

Delta R.T. 0.15 min

Lab File: BF084019.D

Acq: 23 Dec 2015 5:40

Tgt Ion: 70 Resp: 36997

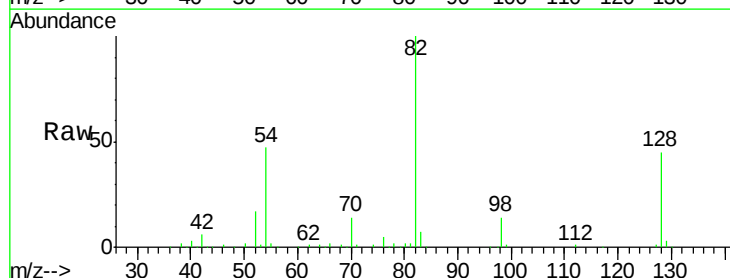
Ion Ratio Lower Upper

70 100

42 40.9 33.3 49.9

101 0.0 9.3 13.9#

130 1.9 23.4 35.0#

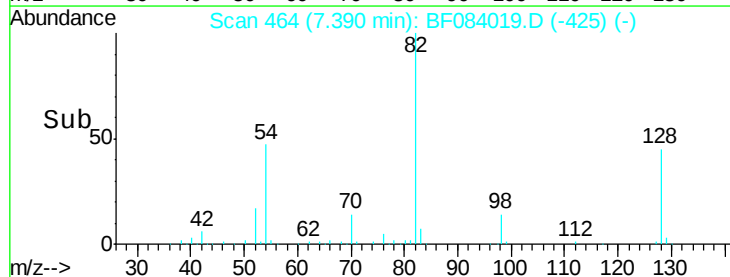
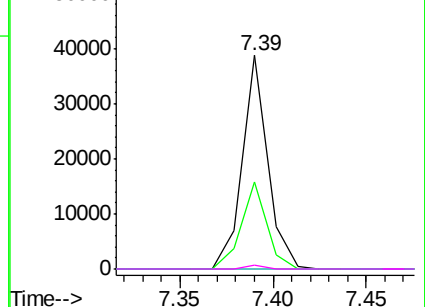


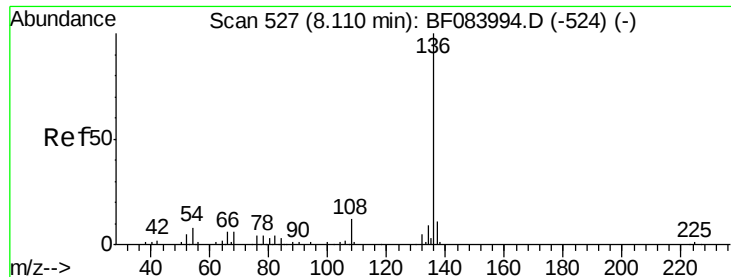
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF084019.D

Acq: 23 Dec 2015 5:40

Instrument :

BNA_F

ClientSampleId :

20151217MGP216BRV90

Tot Ion:136 Resp: 189122

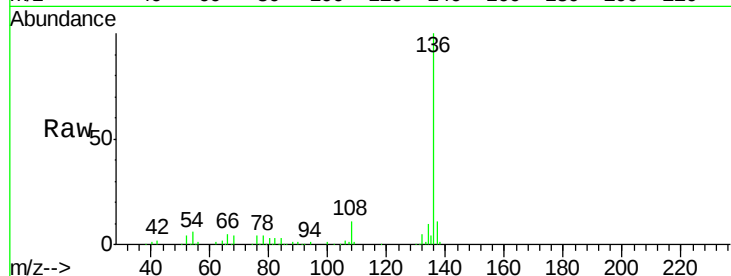
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 6.1 5.8 8.8

68 4.4 4.2 6.2

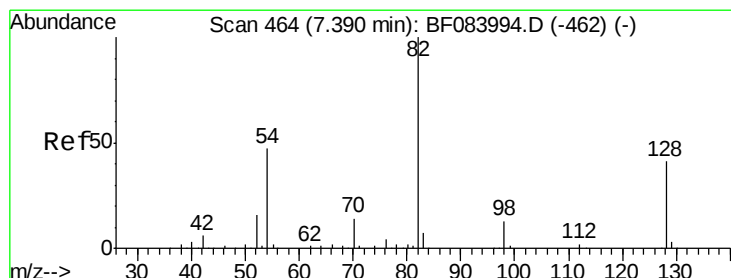
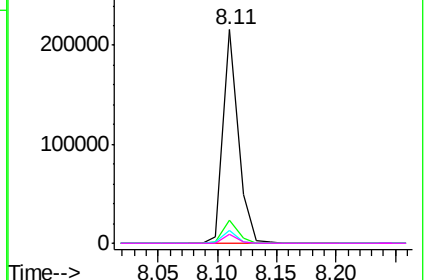
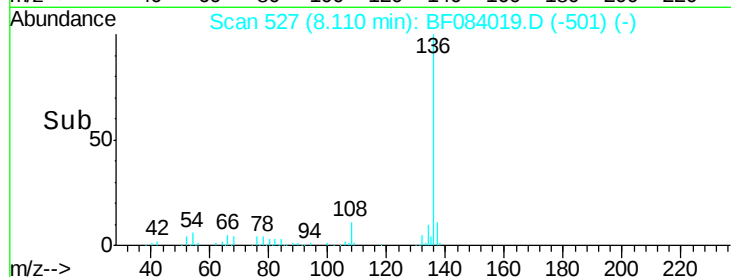


Abundance Ion 136.00 (135.70 to 136.70): E

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: 86.31 ng

RT: 7.39 min Scan# 464

Delta R.T. -0.00 min

Lab File: BF084019.D

Acq: 23 Dec 2015 5:40

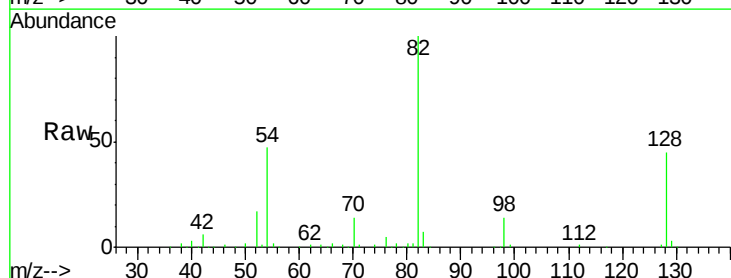
Tgt Ion: 82 Resp: 265704

Ion Ratio Lower Upper

82 100

128 44.8 34.6 51.8

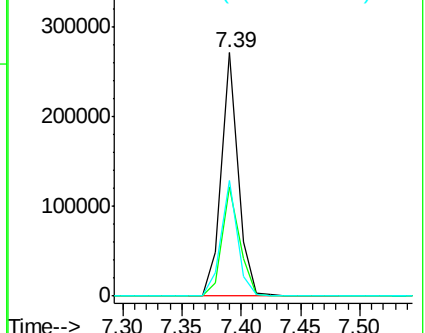
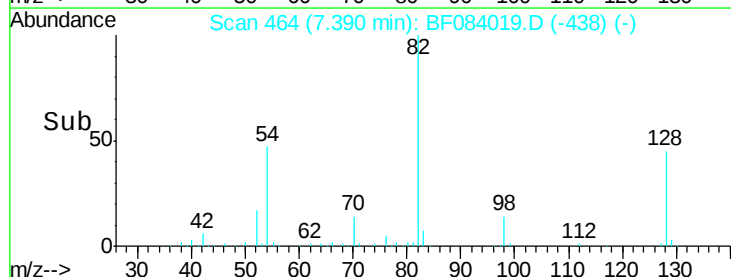
54 47.4 38.4 57.6

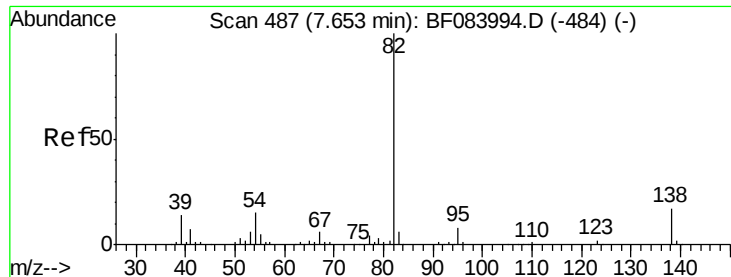


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 39.79 ng

RT: 7.39 min Scan# 464

Delta R.T. -0.26 min

Lab File: BF084019.D

Acq: 23 Dec 2015 5:40

Instrument :

BNA_F

ClientSampleId :

20151217MGP216BRV90

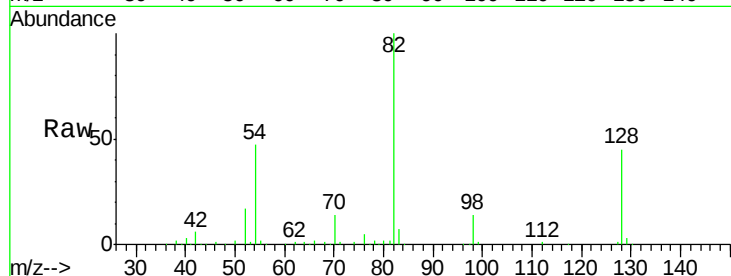
Tot Ion: 82 Resp: 232112

Ion Ratio Lower Upper

82 100

95 0.0 6.6 10.0#

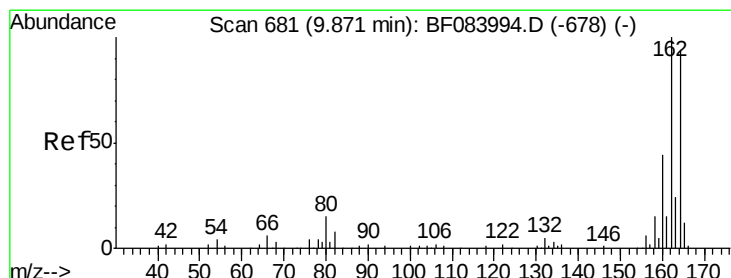
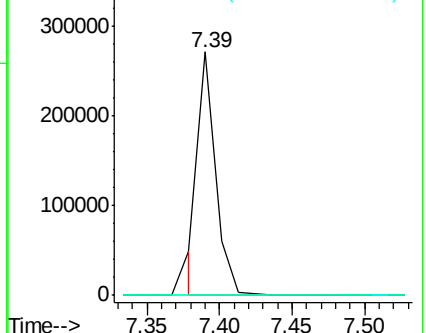
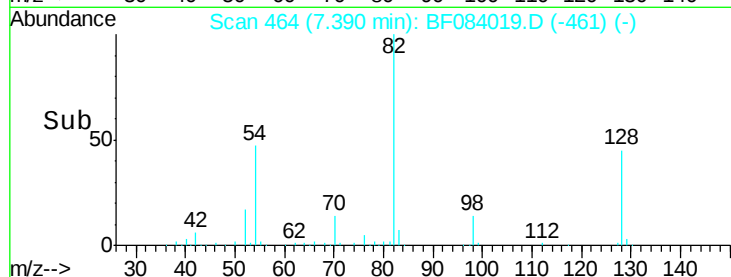
138 0.0 13.6 20.4#



Abundance Ion 82.00 (81.70 to 82.70): BF084019.D (-464) (-)

Ion 95.00 (94.70 to 95.70): BF084019.D (-464) (-)

Ion 138.00 (137.70 to 138.70): BF084019.D (-464) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.00 min

Lab File: BF084019.D

Acq: 23 Dec 2015 5:40

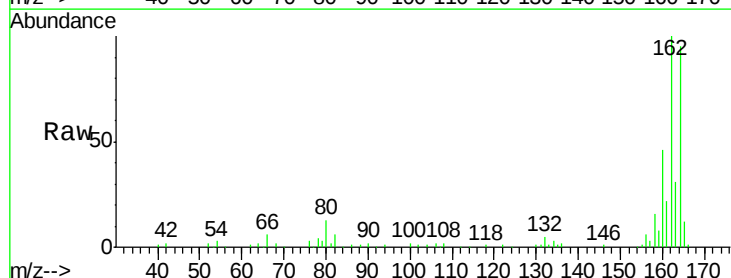
Tgt Ion: 164 Resp: 90445

Ion Ratio Lower Upper

164 100

162 105.7 85.1 127.7

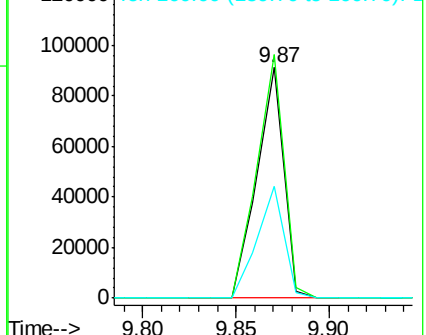
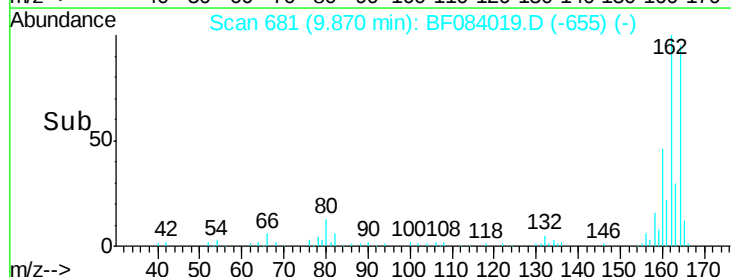
160 48.7 37.5 56.3

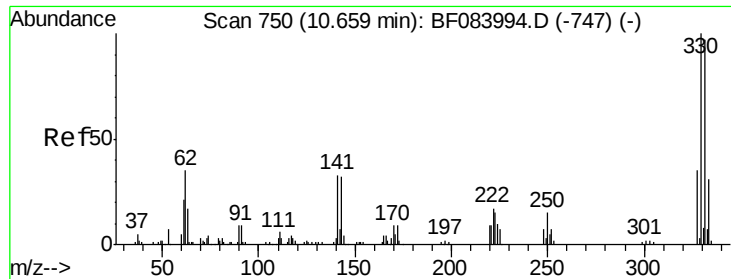


Abundance Ion 164.00 (163.70 to 164.70): BF084019.D (-681) (-)

Ion 162.00 (161.70 to 162.70): BF084019.D (-681) (-)

Ion 160.00 (159.70 to 160.70): BF084019.D (-681) (-)

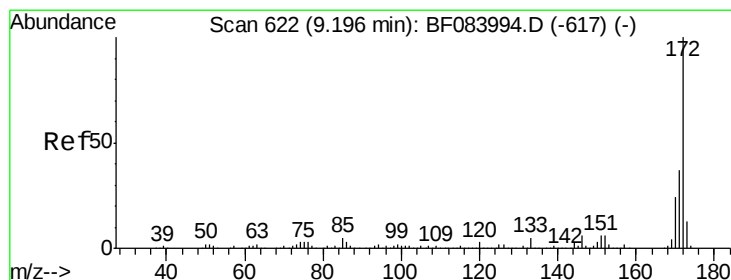
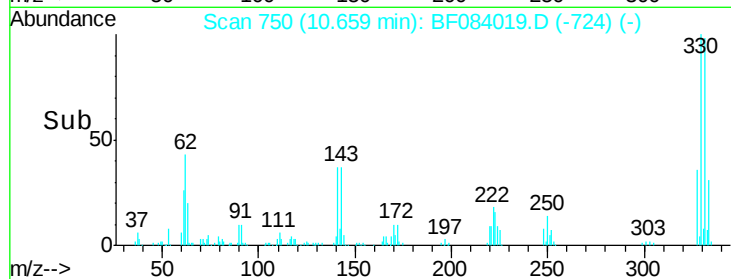
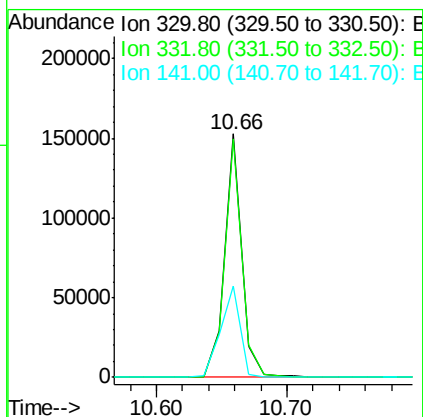
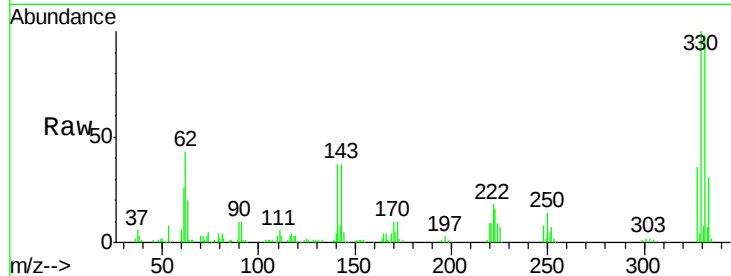




#41
 2,4,6-Tribromophenol
 Concen: 161.92 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: BF084019.D
 Acq: 23 Dec 2015 5:40

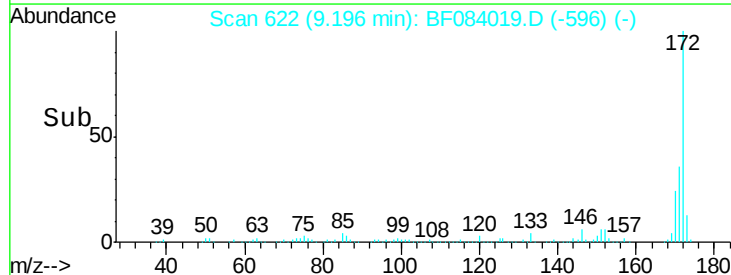
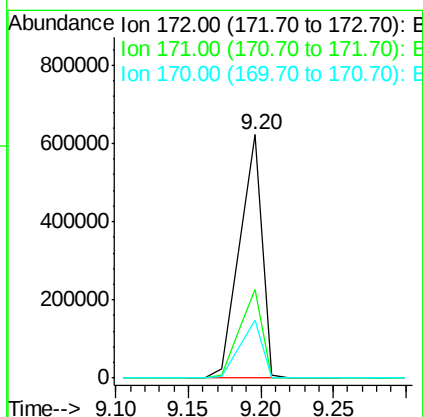
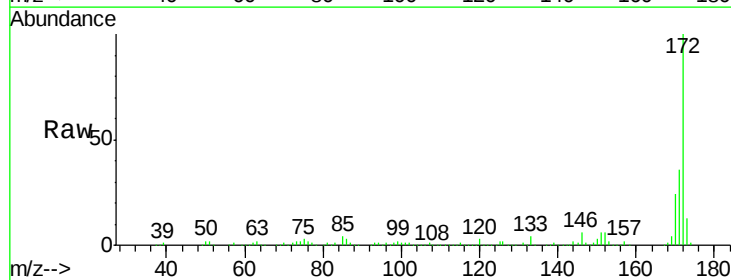
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 20151217MGP216BRV90

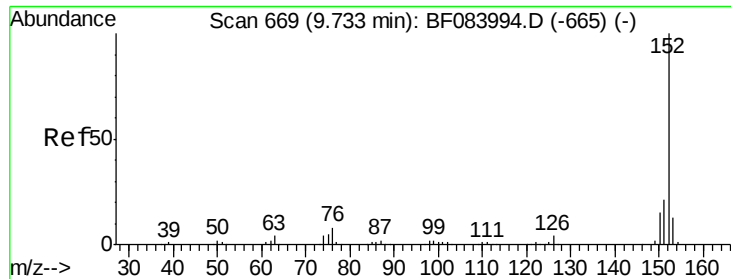
Tot Ion	Ratio	Lower	Upper
330	100		
332	98.7	76.6	114.8
141	43.1	27.8	41.6#



#44
 2-Fluorobiphenyl
 Concen: 99.55 ng
 RT: 9.20 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: BF084019.D
 Acq: 23 Dec 2015 5:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.9	43.3
170	24.0	18.6	27.8

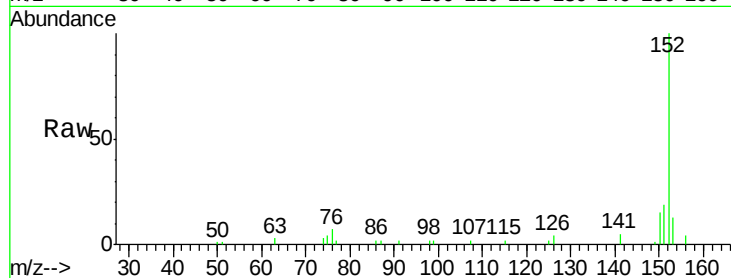




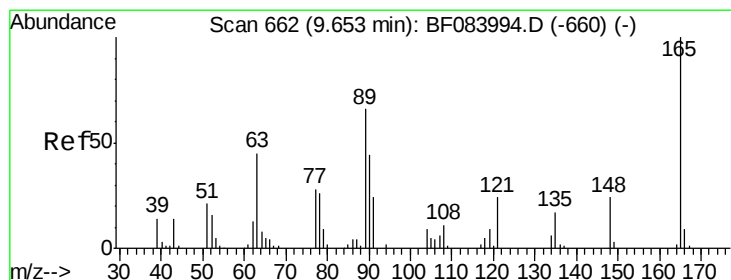
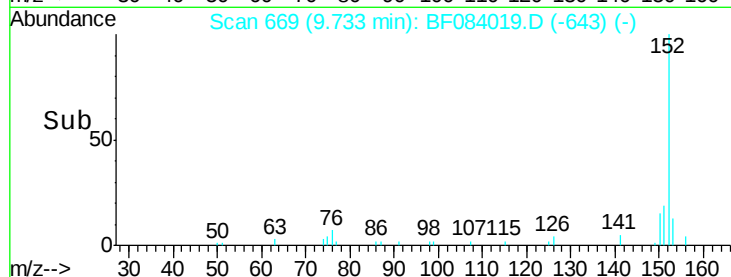
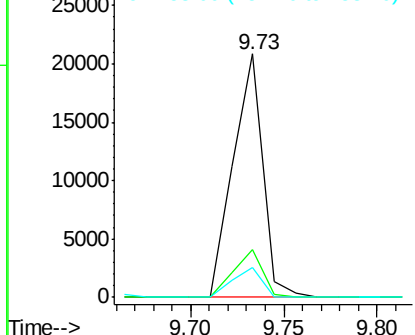
#48
Acenaphthylene
Concen: 2.55 ng
RT: 9.73 min Scan# 669
Delta R.T. -0.00 min
Lab File: BF084019.D
Acq: 23 Dec 2015 5:40

Instrument :
BNA_F
ClientSampleId :
20151217MGP216BRV90

Tot Ion:152 Resp: 23226
Ion Ratio Lower Upper
152 100
151 19.4 16.3 24.5
153 12.5 10.4 15.6

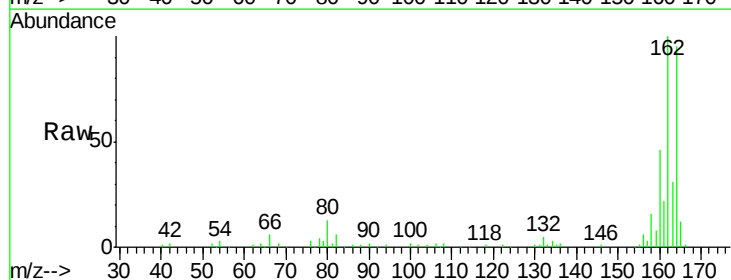


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

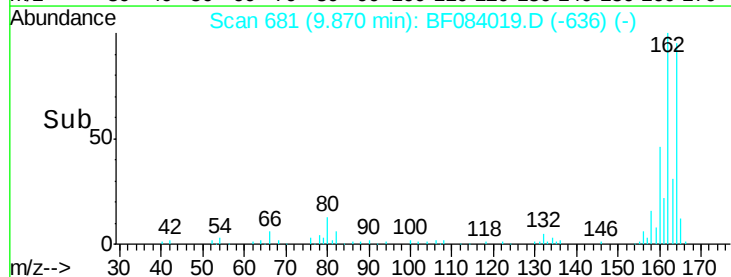
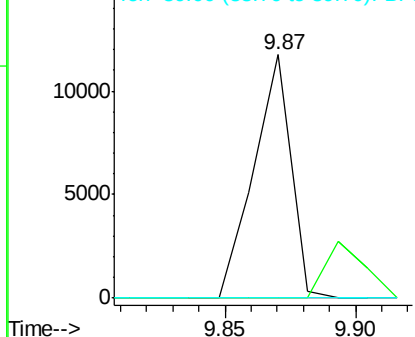


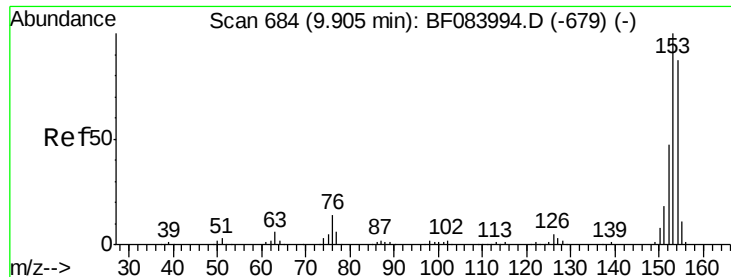
#50
2,6-Dinitrotoluene
Concen: 7.89 ng
RT: 9.87 min Scan# 681
Delta R.T. 0.22 min
Lab File: BF084019.D
Acq: 23 Dec 2015 5:40

Tgt Ion:165 Resp: 11789
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





#51

Acenaphthene

Concen: 7.78 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.00 min

Lab File: BF084019.D

Acq: 23 Dec 2015 5:40

Instrument :

BNA_F

ClientSampleId :

20151217MGP216BRV90

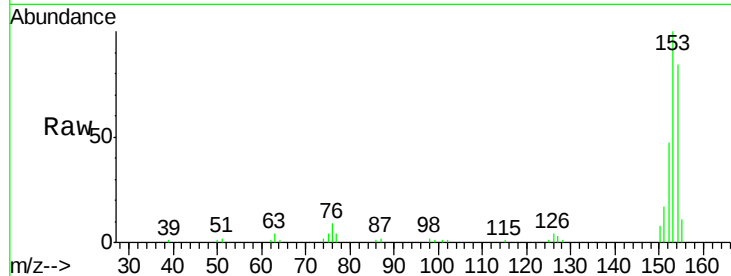
Tot Ion:154 Resp: 42150

Ion Ratio Lower Upper

154 100

153 118.4 91.5 137.3

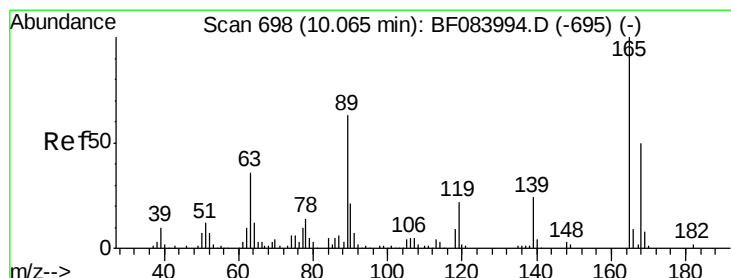
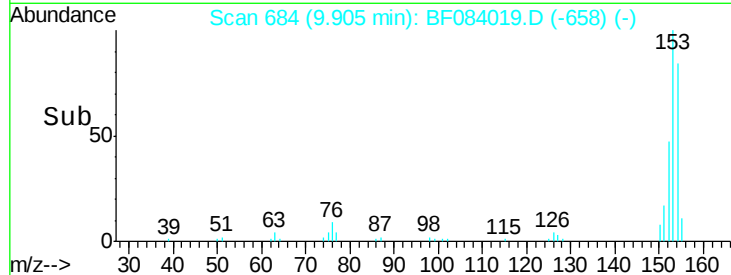
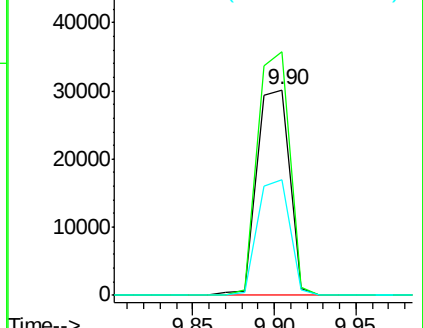
152 56.1 43.0 64.6



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



#56

2,4-Dinitrotoluene

Concen: 6.28 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.19 min

Lab File: BF084019.D

Acq: 23 Dec 2015 5:40

Tgt Ion:165 Resp: 11789

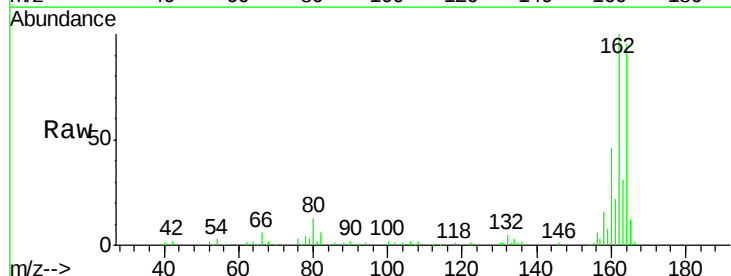
Ion Ratio Lower Upper

165 100

63 0.0 36.7 55.1#

89 0.0 61.9 92.9#

182 0.0 2.0 3.0#

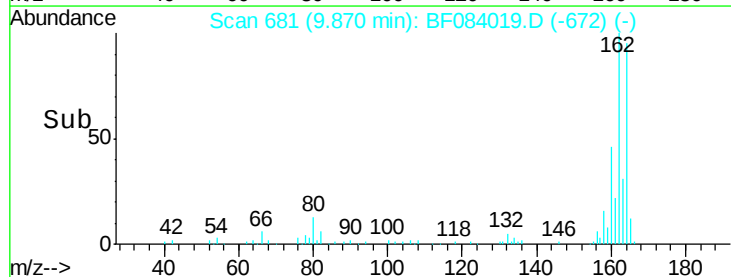
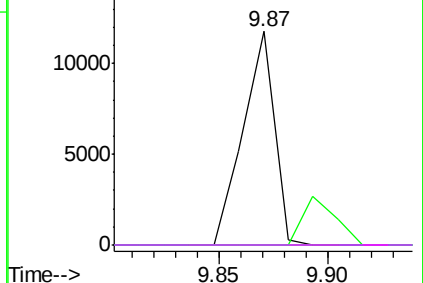


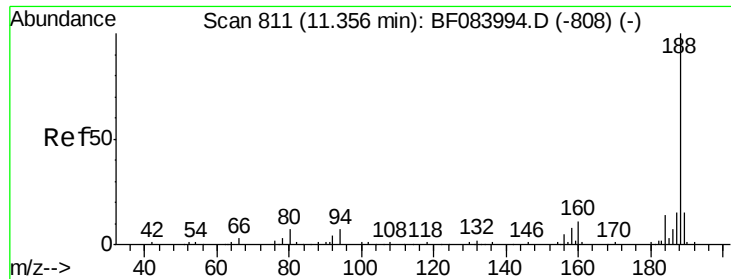
Abundance Ion 165.00 (164.70 to 165.70): E

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

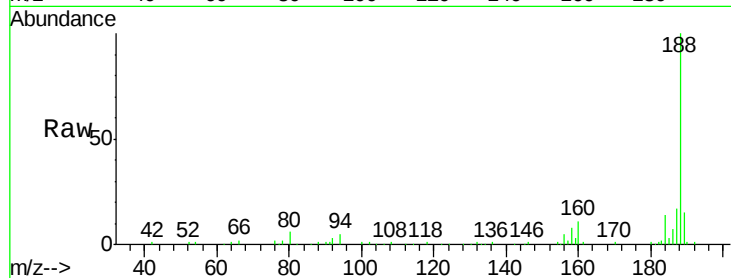




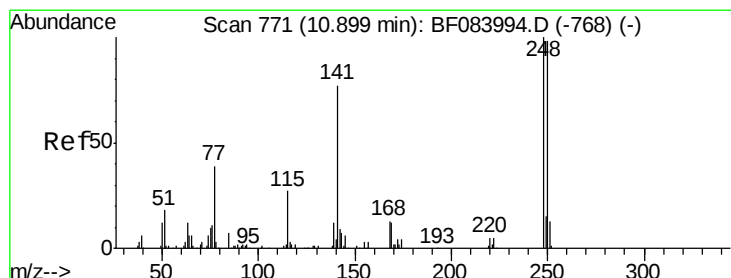
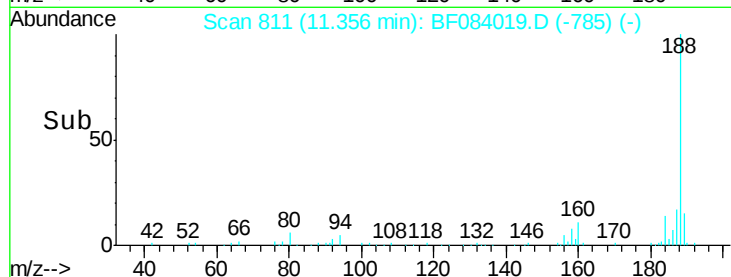
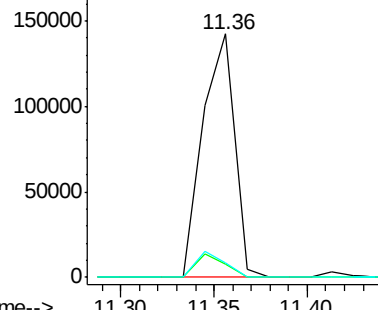
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF084019.D
Acq: 23 Dec 2015 5:40

Instrument :
BNA_F
ClientSampleId :
20151217MGP216BRV90

Tot Ion:188 Resp: 171067
Ion Ratio Lower Upper
188 100
94 5.3 9.0 13.4#
80 5.7 9.6 14.4#

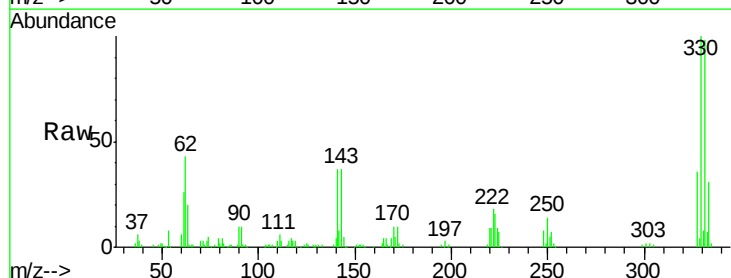


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

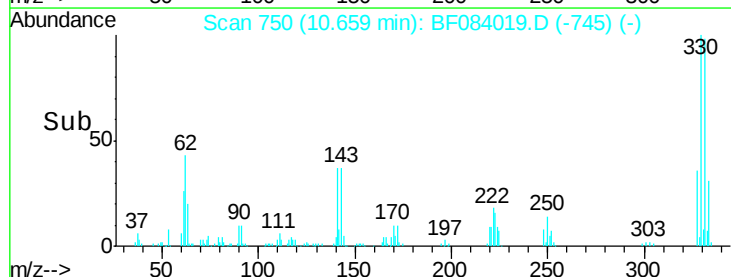
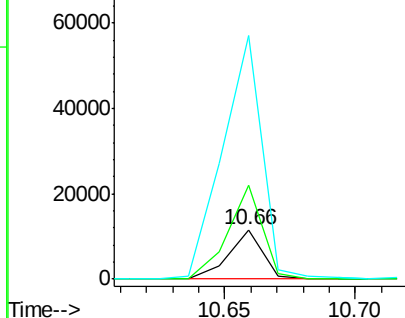


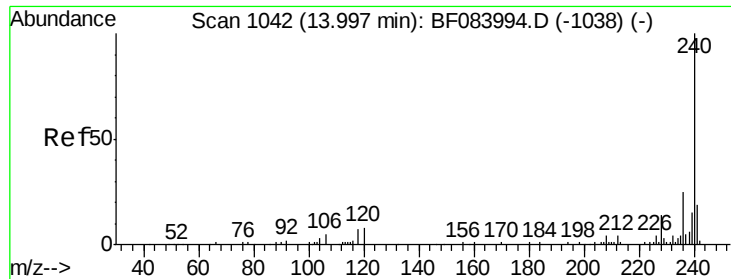
#66
4-Bromophenyl-phenylether
Concen: 5.38 ng
RT: 10.66 min Scan# 750
Delta R.T. -0.24 min
Lab File: BF084019.D
Acq: 23 Dec 2015 5:40

Tgt Ion:248 Resp: 10562
Ion Ratio Lower Upper
248 100
250 190.9 78.4 117.6#
141 492.7 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: BF084019.D

Acq: 23 Dec 2015 5:40

Instrument :

BNA_F

ClientSampleId :

20151217MGP216BRV90

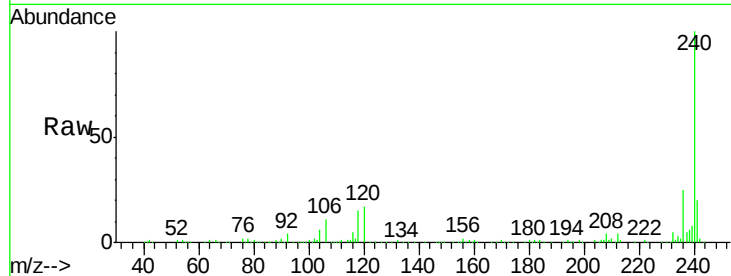
Tot Ion:240 Resp: 303805

Ion Ratio Lower Upper

240 100

120 16.6 9.5 14.3#

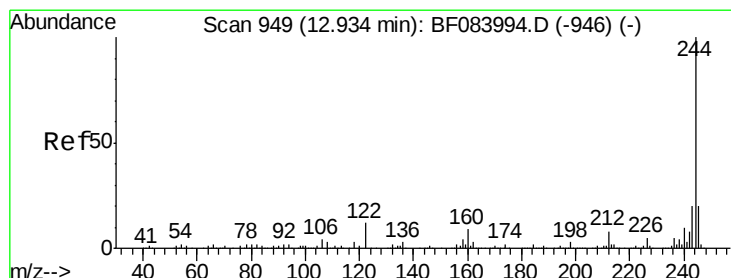
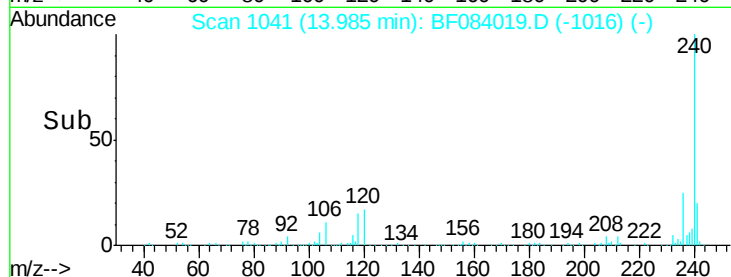
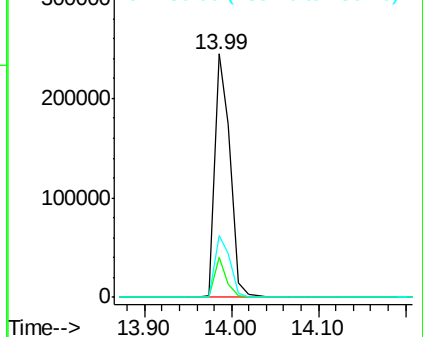
236 25.5 20.6 31.0



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: 88.47 ng

RT: 12.95 min Scan# 950

Delta R.T. 0.01 min

Lab File: BF084019.D

Acq: 23 Dec 2015 5:40

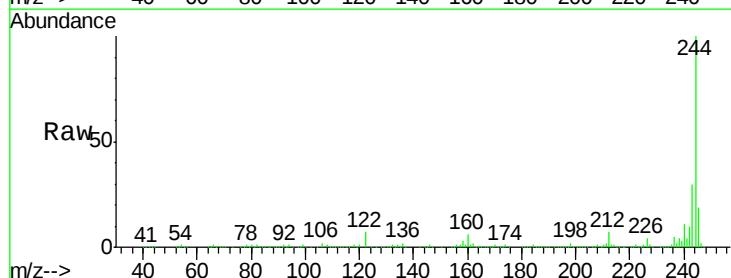
Tgt Ion:244 Resp: 1127009

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

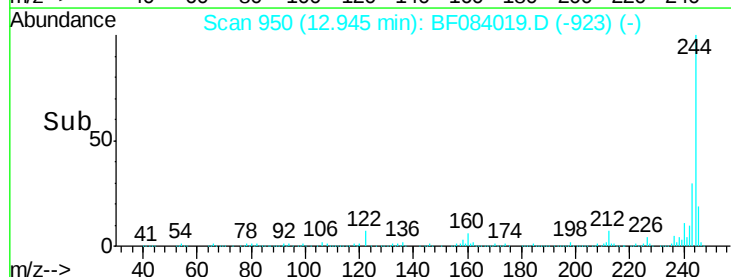
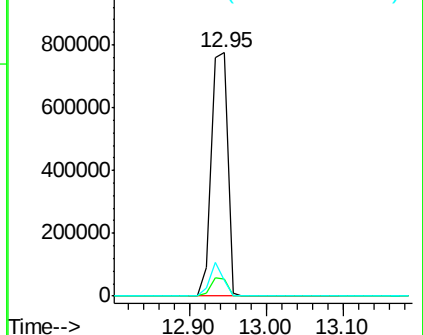
122 6.6 7.4 11.0#

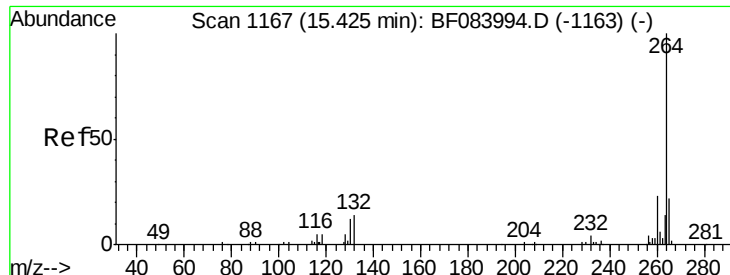


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlone-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 1167
Delta R.T. -0.00 min
Lab File: BF084019.D
Acq: 23 Dec 2015 5:40

Instrument :
BNA_F
ClientSampleId :
20151217MGP216BRV90

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.4	29.2
265	20.4	17.8	26.6

