

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
 Data File : BF084017.D
 Acq On : 23 Dec 2015 4:44
 Operator : UM/SJ
 Sample : G4916-09
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FB-20151214

Quant Time: Dec 23 05:52:55 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

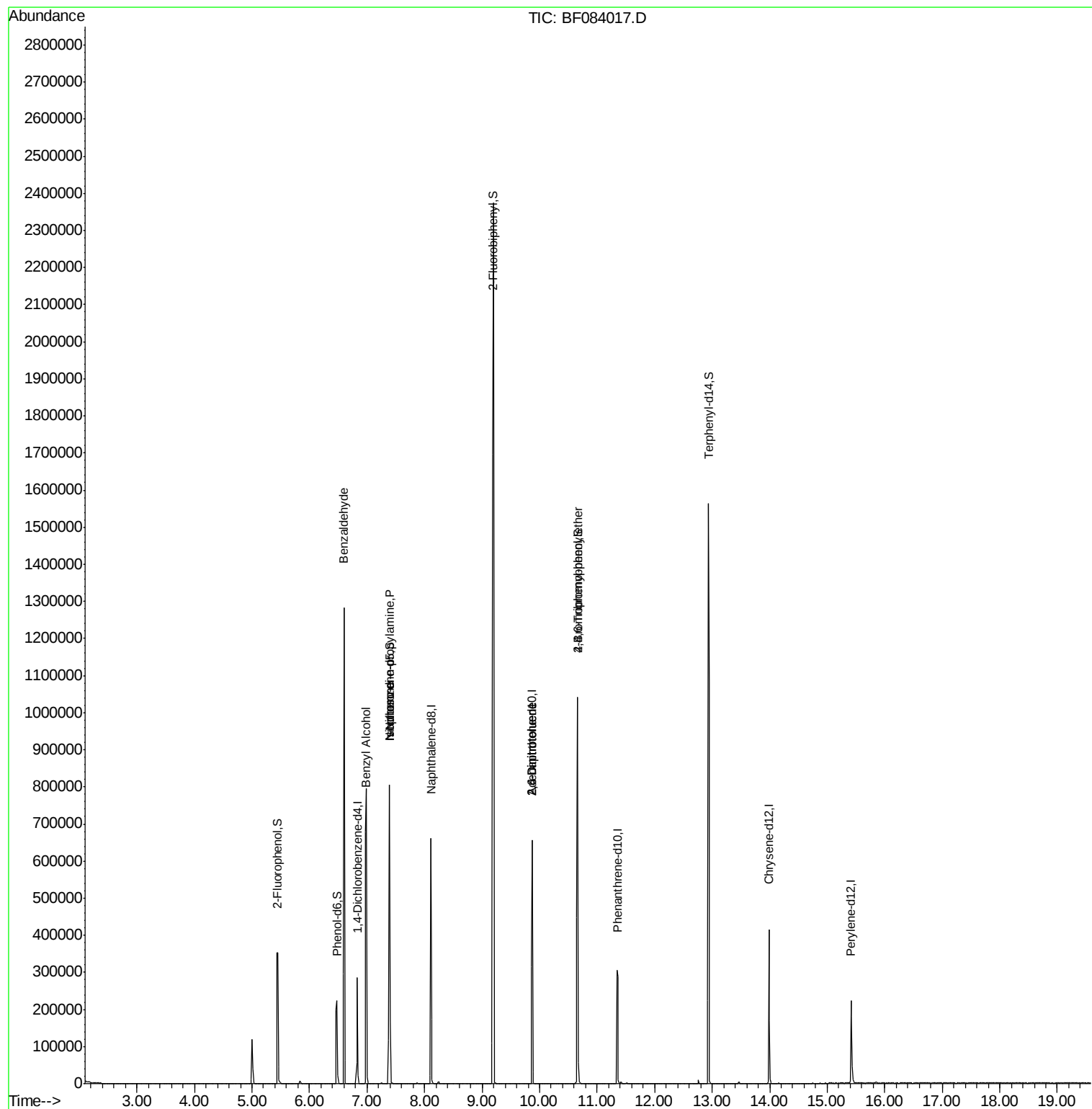
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	44613	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	305365	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	148947	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	167041	20.00	ng	0.00
75) Chrysene-d12	13.99	240	158254	20.00	ng	-0.01
86) Perylene-d12	15.41	264	125141	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	160768	61.44	ng	0.01
7) Phenol-d6	6.48	99	119237	38.76	ng	0.00
23) Nitrobenzene-d5	7.39	82	261548	52.62	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	135617	94.66	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	995081	89.91	ng	0.00
78) Terphenyl-d14	12.93	244	662537	99.84	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.60	77	7464	3.63	ng	95
15) Benzyl Alcohol	6.98	79	4993	2.06	ng	# 44
19) n-Nitroso-di-n-propylamine	7.39	70	36252	19.45	ng	# 77
25) Isophorone	7.39	82	233862	24.83	ng	# 66
50) 2,6-Dinitrotoluene	9.87	165	18796	7.64	ng	# 37
56) 2,4-Dinitrotoluene	9.87	165	18792	6.08	ng	# 21
66) 4-Bromophenyl-phenylether	10.66	248	9814	5.12	ng	# 1

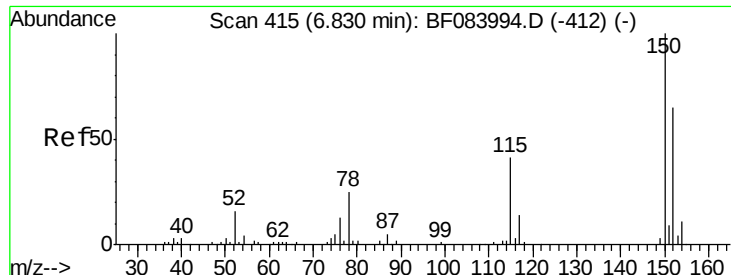
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF084017.D

Acq: 23 Dec 2015 4:44

Instrument :

BNA_F

ClientSampled :

FB-20151214

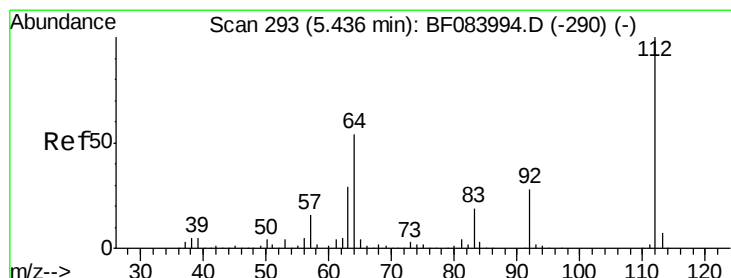
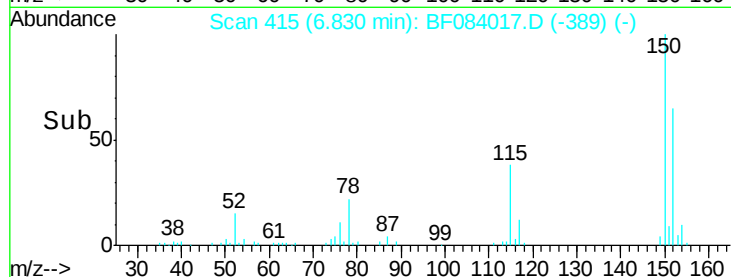
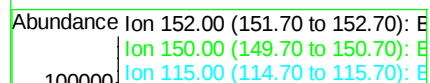
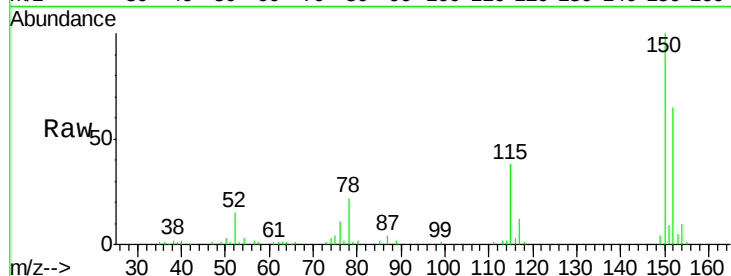
Tot Ion:152 Resp: 44613

Ion Ratio Lower Upper

152 100

150 154.8 123.0 184.4

115 59.0 51.4 77.2



#5

2-Fluorophenol

Concen: 61.44 ng

RT: 5.45 min Scan# 294

Delta R.T. 0.01 min

Lab File: BF084017.D

Acq: 23 Dec 2015 4:44

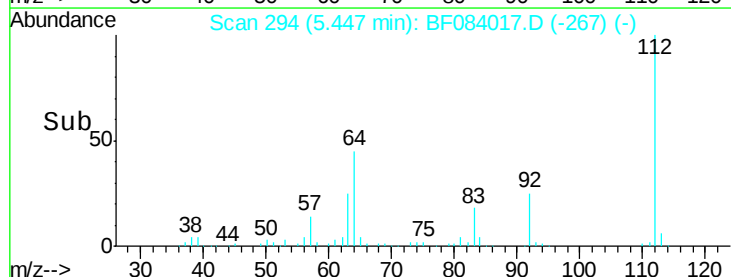
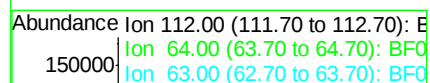
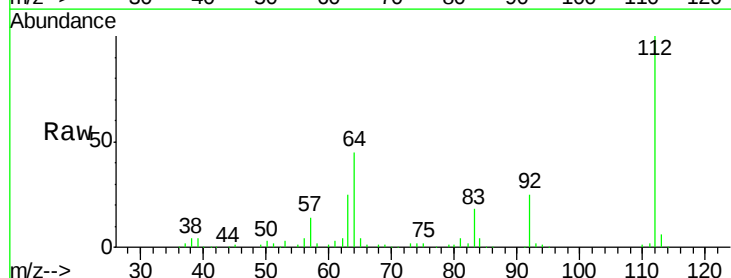
Tgt Ion:112 Resp: 160768

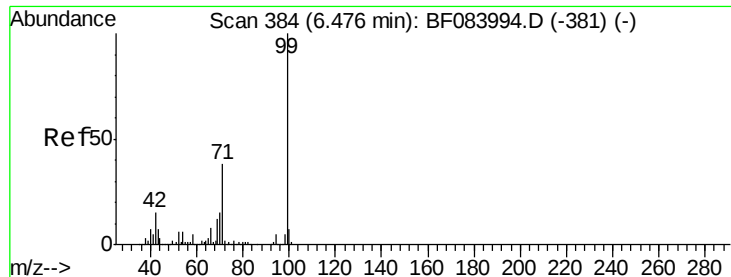
Ion Ratio Lower Upper

112 100

64 45.2 36.6 55.0

63 24.9 19.4 29.0





#7

Phenol-d6

Concen: 38.76 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.00 min

Lab File: BF084017.D

Acq: 23 Dec 2015 4:44

Instrument :

BNA_F

ClientSampleId :

FB-20151214

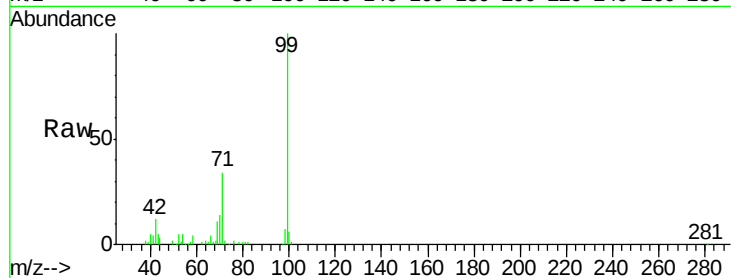
Tot Ion: 99 Resp: 119237

Ion Ratio Lower Upper

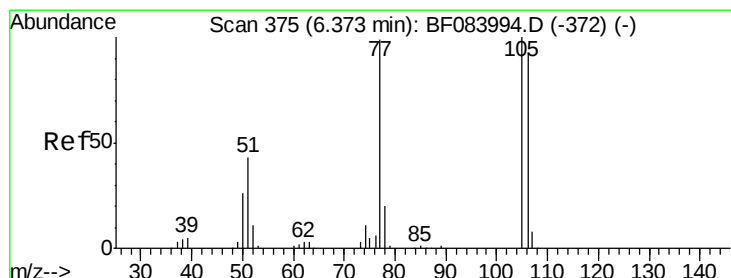
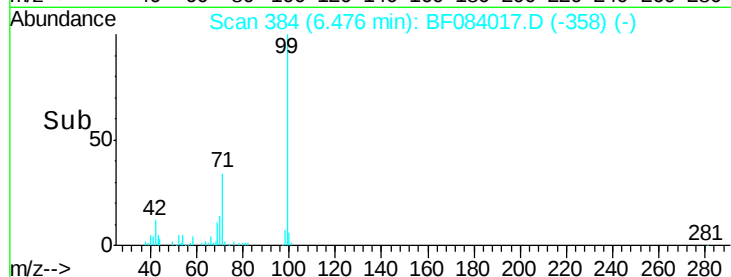
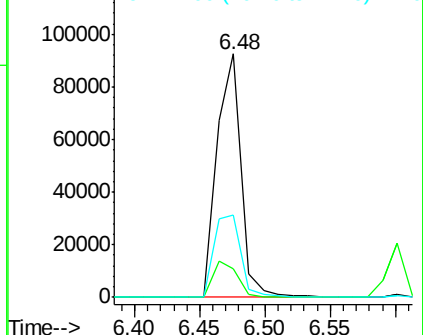
99 100

42 12.0 12.8 19.2#

71 33.6 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: 3.63 ng

RT: 6.60 min Scan# 395

Delta R.T. 0.23 min

Lab File: BF084017.D

Acq: 23 Dec 2015 4:44

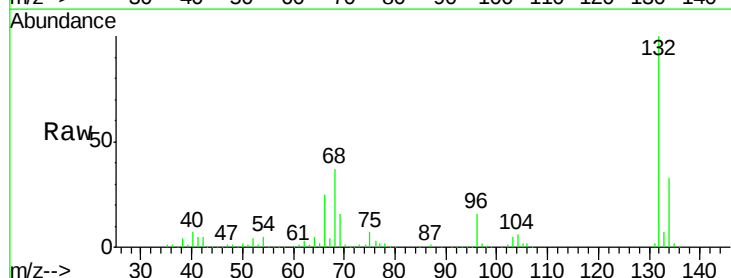
Tgt Ion: 77 Resp: 7464

Ion Ratio Lower Upper

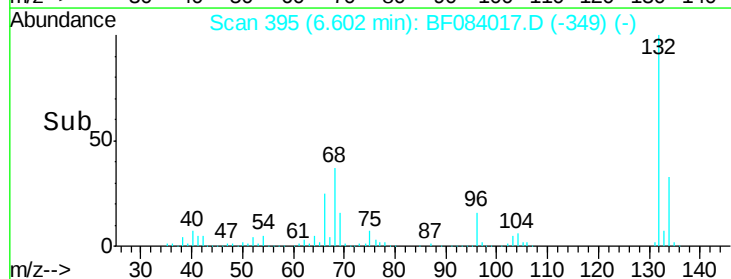
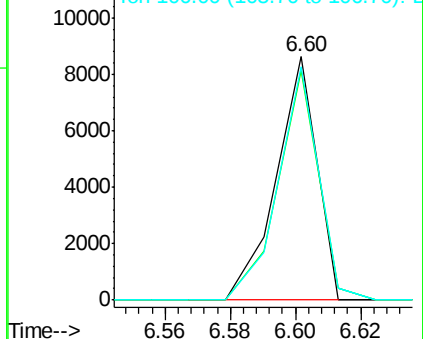
77 100

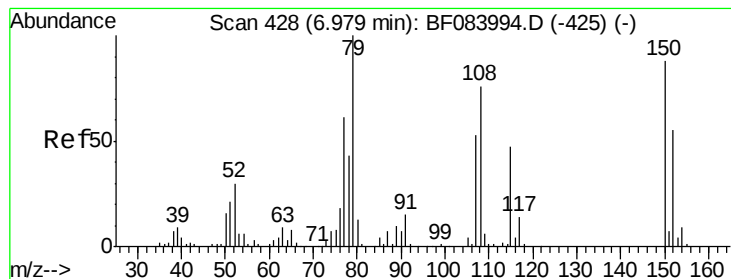
105 94.1 83.0 123.0

106 95.7 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: 2.06 ng

RT: 6.98 min Scan# 428

Delta R.T. -0.00 min

Lab File: BF084017.D

Acq: 23 Dec 2015 4:44

Instrument :

BNA_F

ClientSampleID :

FB-20151214

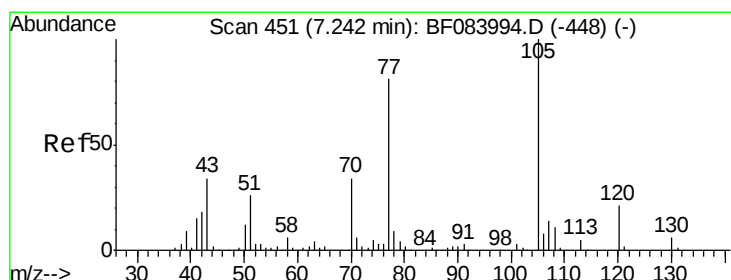
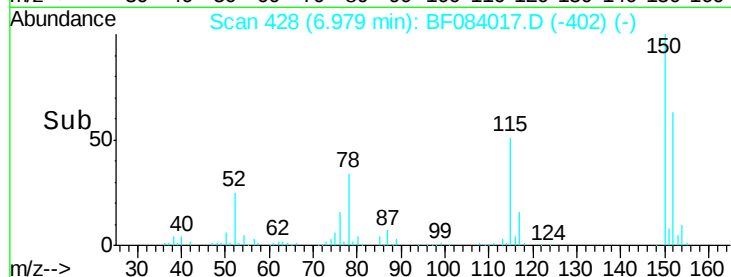
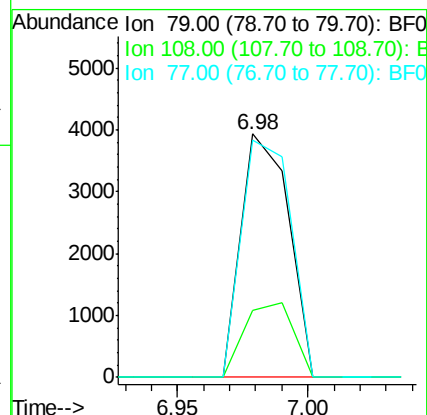
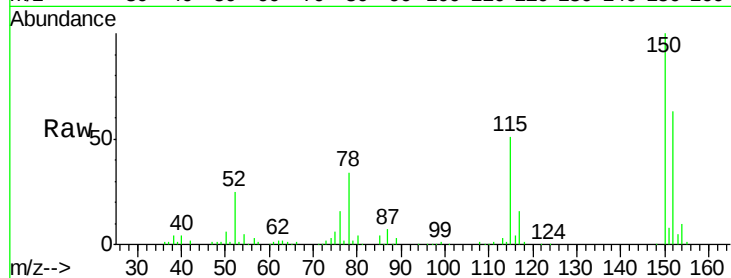
Tot Ion: 79 Resp: 4993

Ion Ratio Lower Upper

79 100

108 27.6 69.0 103.4#

77 97.6 50.0 75.0#



#19

n-Nitroso-di-n-propylamine

Concen: 19.45 ng

RT: 7.39 min Scan# 464

Delta R.T. 0.15 min

Lab File: BF084017.D

Acq: 23 Dec 2015 4:44

Tgt Ion: 70 Resp: 36252

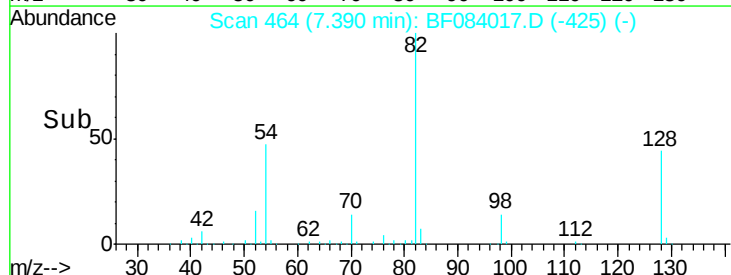
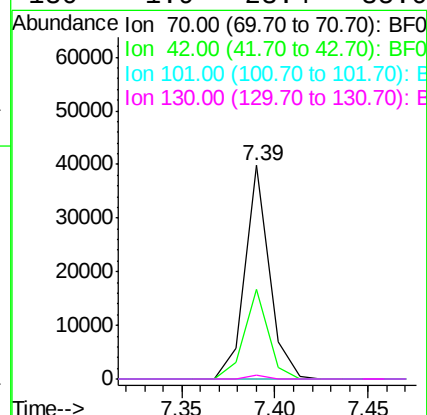
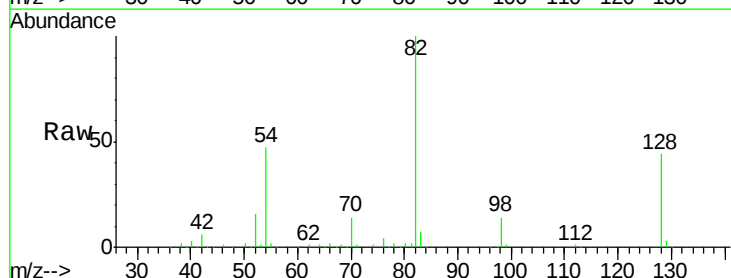
Ion Ratio Lower Upper

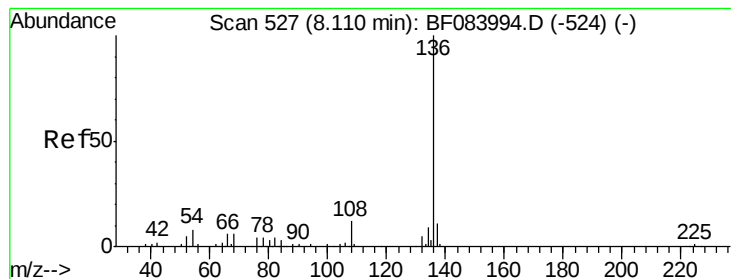
70 100

42 42.2 33.3 49.9

101 0.0 9.3 13.9#

130 1.9 23.4 35.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.11 min Scan# 527

Delta R.T. -0.00 min

Lab File: BF084017.D

Acq: 23 Dec 2015 4:44

Instrument :

BNA_F

ClientSampleId :

FB-20151214

Tot Ion:136 Resp: 305365

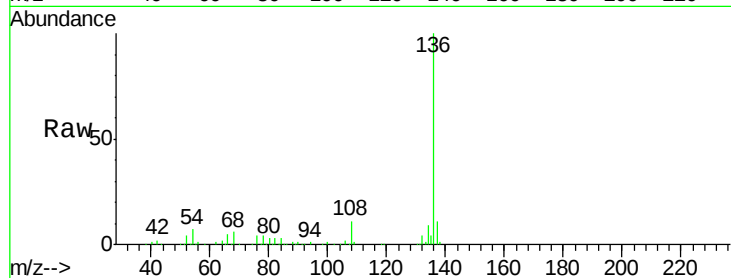
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 7.1 5.8 8.8

68 5.5 4.2 6.2

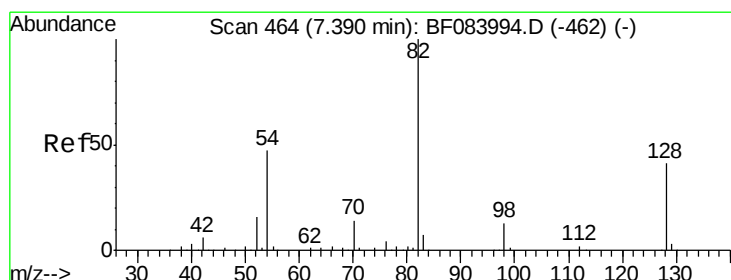
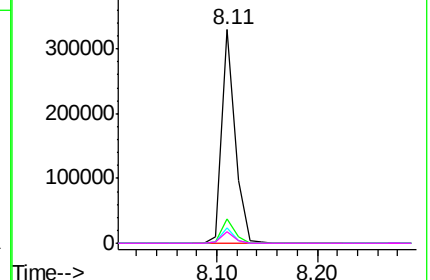
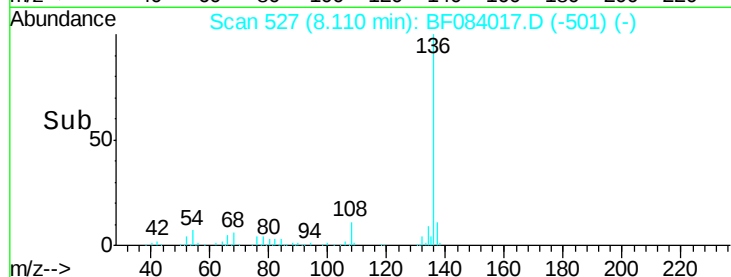


Abundance Ion 136.00 (135.70 to 136.70): E

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: 52.62 ng

RT: 7.39 min Scan# 464

Delta R.T. -0.00 min

Lab File: BF084017.D

Acq: 23 Dec 2015 4:44

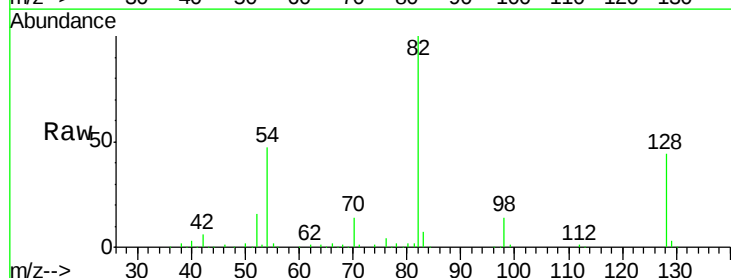
Tgt Ion: 82 Resp: 261548

Ion Ratio Lower Upper

82 100

128 44.0 34.6 51.8

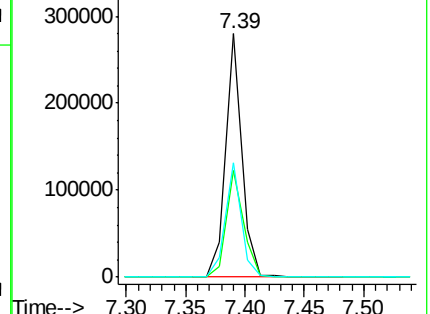
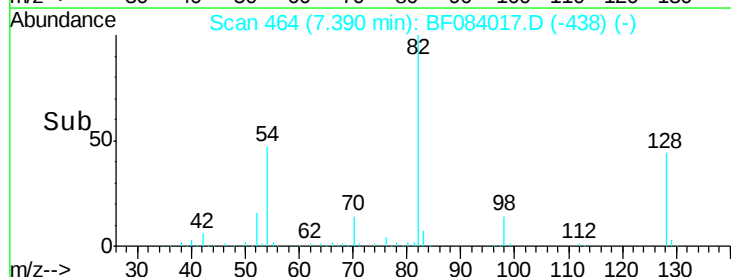
54 47.1 38.4 57.6

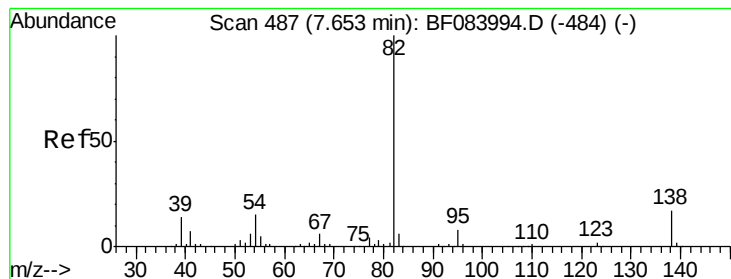


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 24.83 ng

RT: 7.39 min Scan# 464

Delta R.T. -0.26 min

Lab File: BF084017.D

Acq: 23 Dec 2015 4:44

Instrument :

BNA_F

ClientSampleId :

FB-20151214

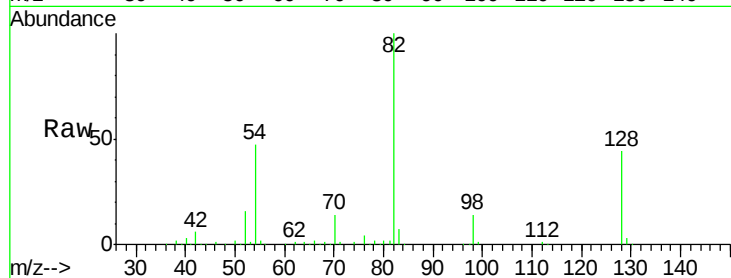
Tot Ion: 82 Resp: 233862

Ion Ratio Lower Upper

82 100

95 0.0 6.6 10.0#

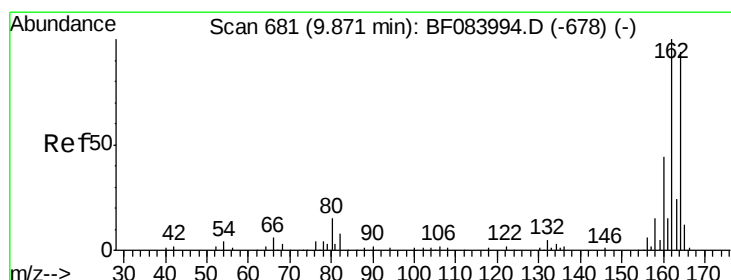
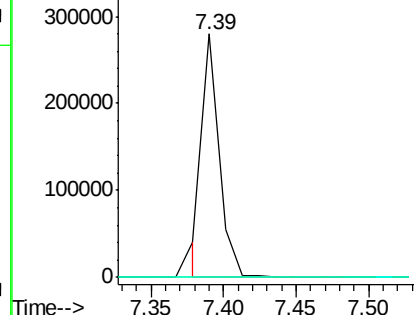
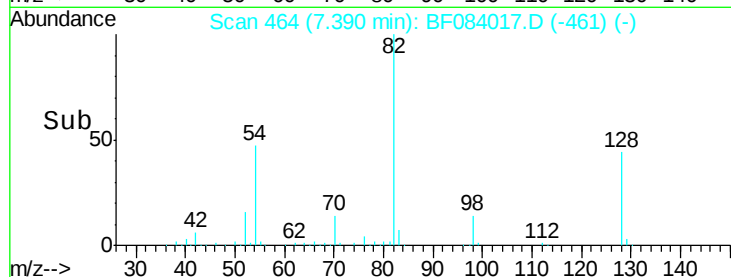
138 0.0 13.6 20.4#



Abundance Ion 82.00 (81.70 to 82.70): BF084017.D (-461) (-)

Ion 95.00 (94.70 to 95.70): BF084017.D (-461) (-)

Ion 138.00 (137.70 to 138.70): BF084017.D (-461) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.00 min

Lab File: BF084017.D

Acq: 23 Dec 2015 4:44

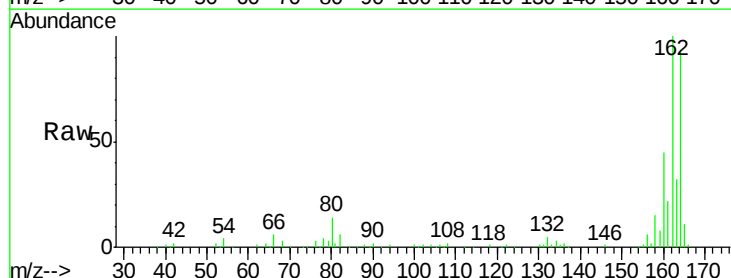
Tgt Ion: 164 Resp: 148947

Ion Ratio Lower Upper

164 100

162 107.7 85.1 127.7

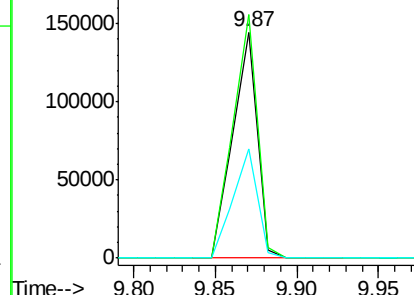
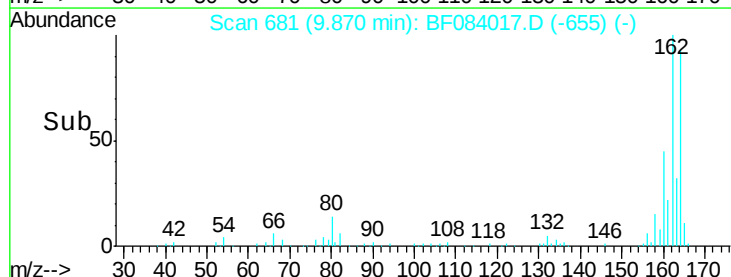
160 48.2 37.5 56.3

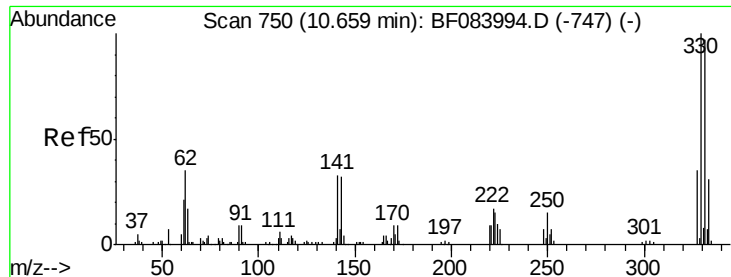


Abundance Ion 164.00 (163.70 to 164.70): BF084017.D (-655) (-)

Ion 162.00 (161.70 to 162.70): BF084017.D (-655) (-)

Ion 160.00 (159.70 to 160.70): BF084017.D (-655) (-)

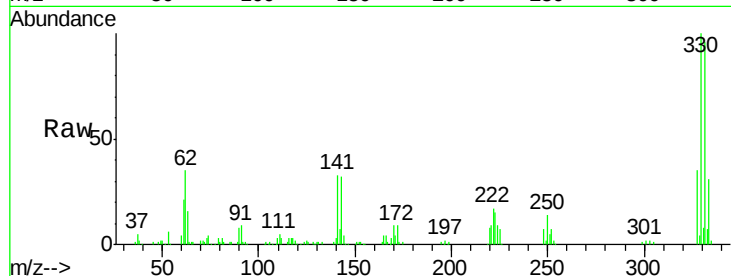




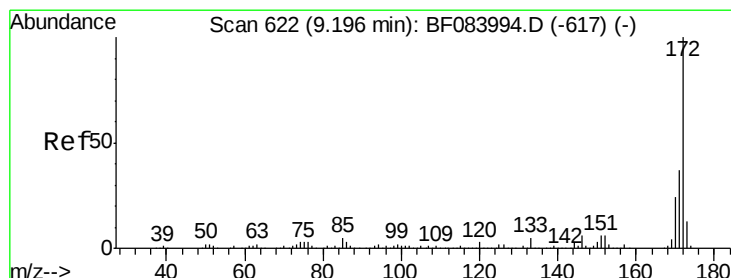
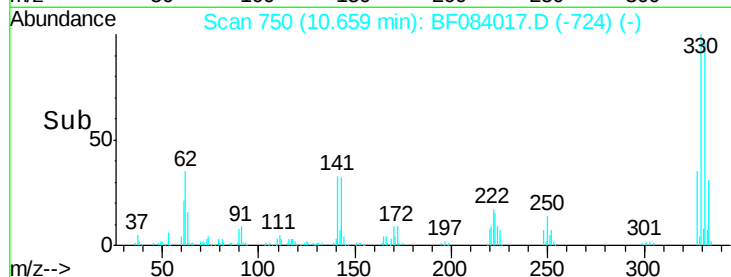
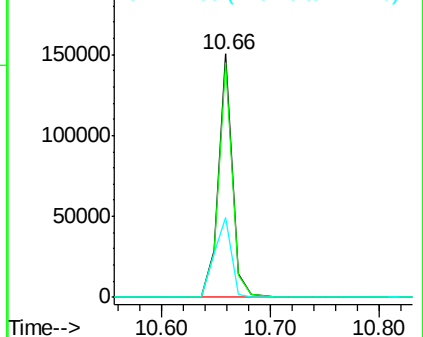
#41
 2,4,6-Tribromophenol
 Concen: 94.66 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: BF084017.D
 Acq: 23 Dec 2015 4:44

Instrument :
 BNA_F
 ClientSampleId :
 FB-20151214

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.6	114.8
141	40.0	27.8	41.6

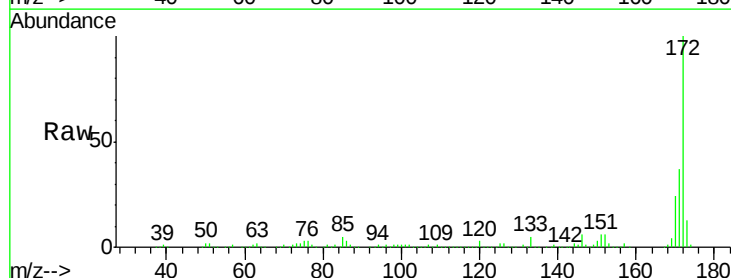


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

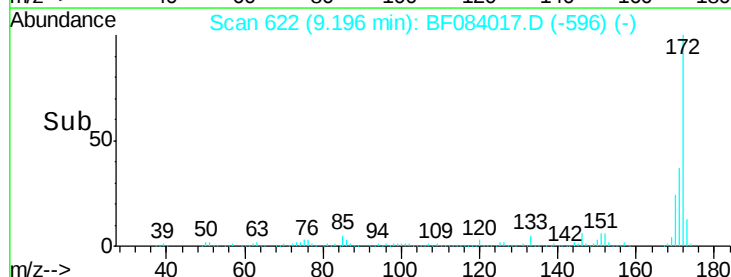
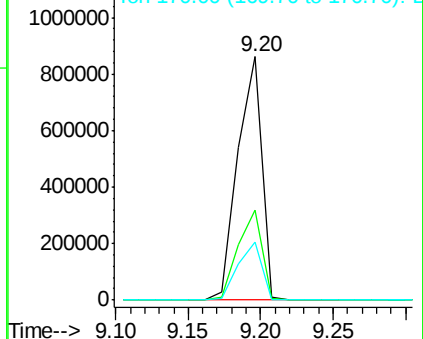


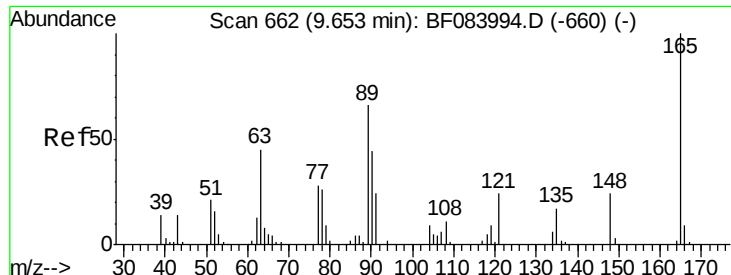
#44
 2-Fluorobiphenyl
 Concen: 89.91 ng
 RT: 9.20 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: BF084017.D
 Acq: 23 Dec 2015 4:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	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

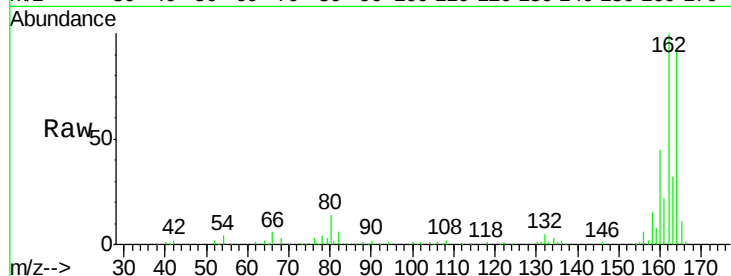




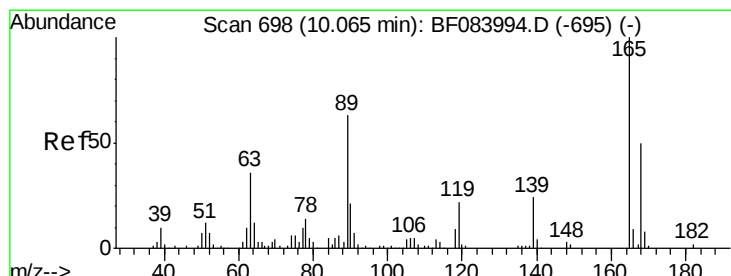
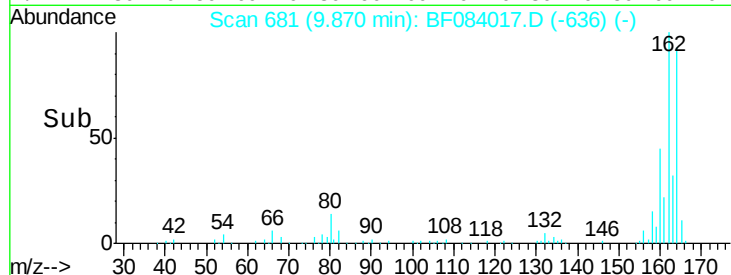
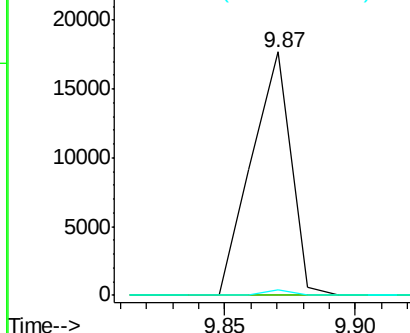
#50
 2,6-Dinitrotoluene
 Concen: 7.64 ng
 RT: 9.87 min Scan# 681
 Delta R.T. 0.22 min
 Lab File: BF084017.D
 Acq: 23 Dec 2015 4:44

Instrument :
 BNA_F
 ClientSampleId :
 FB-20151214

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.8	43.2#
89	2.0	35.1	52.7#



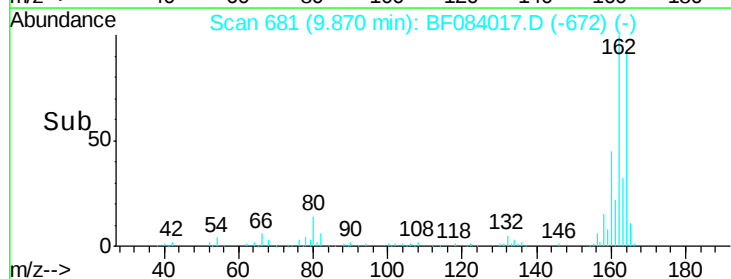
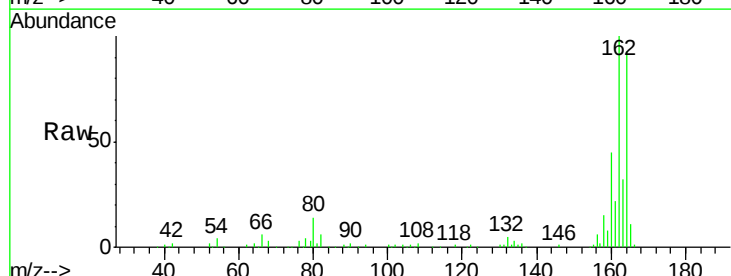
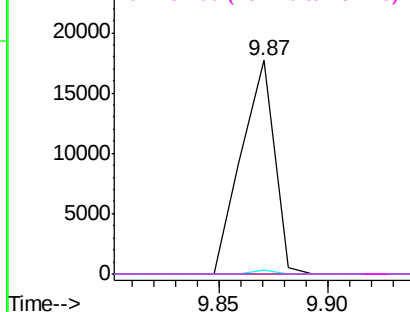
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

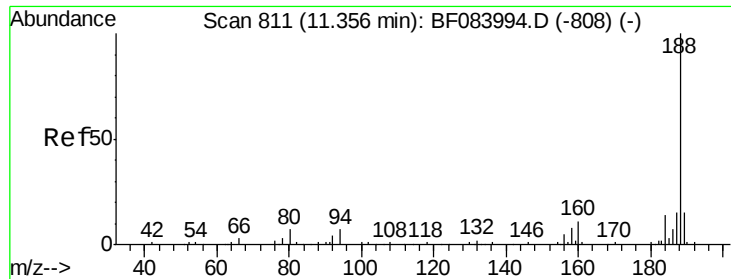


#56
 2,4-Dinitrotoluene
 Concen: 6.08 ng
 RT: 9.87 min Scan# 681
 Delta R.T. -0.19 min
 Lab File: BF084017.D
 Acq: 23 Dec 2015 4:44

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.7	55.1#
89	2.0	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

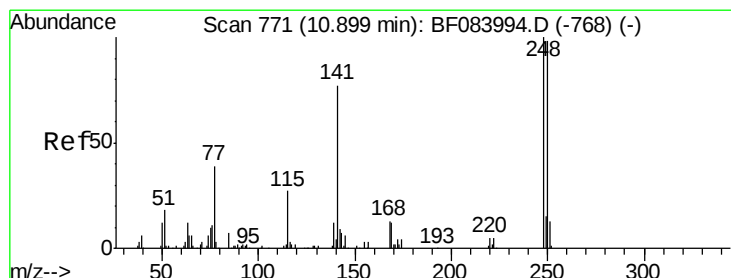
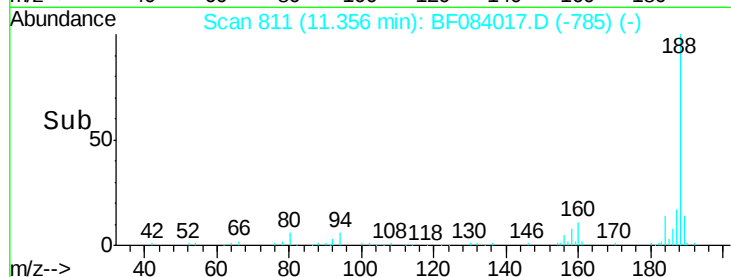
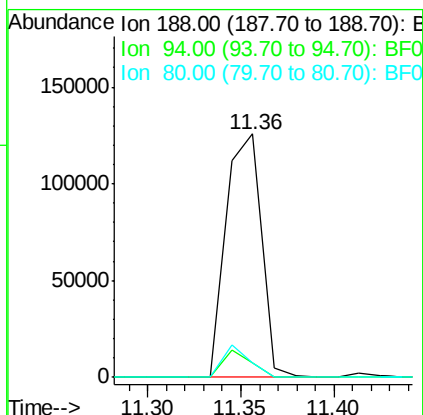
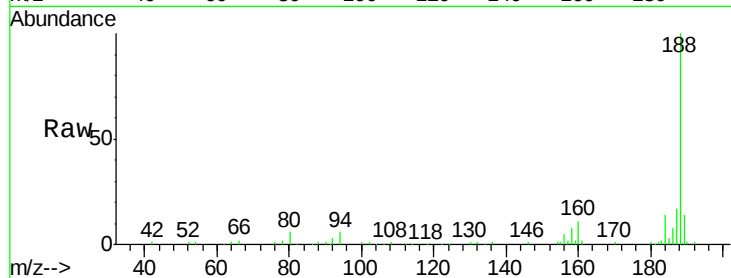




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: BF084017.D
 Acq: 23 Dec 2015 4:44

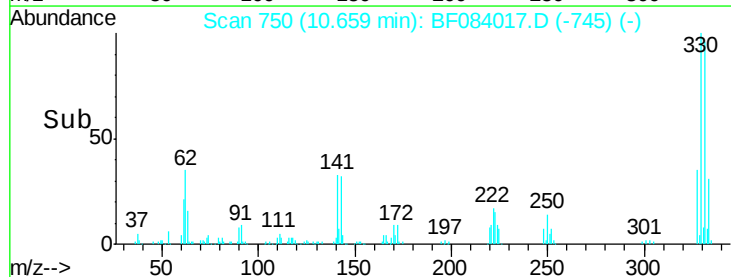
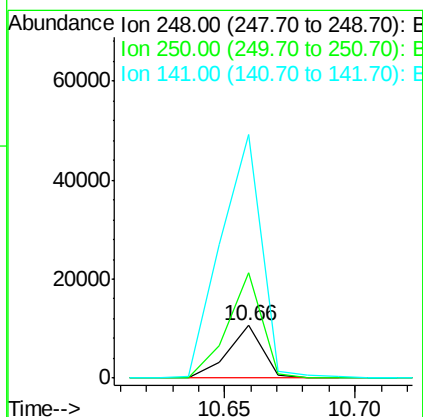
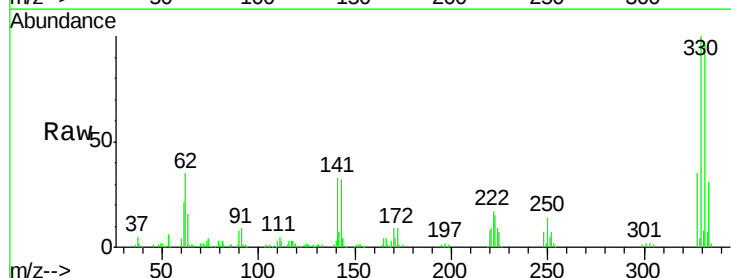
Instrument :
 BNA_F
 ClientSampleId :
 FB-20151214

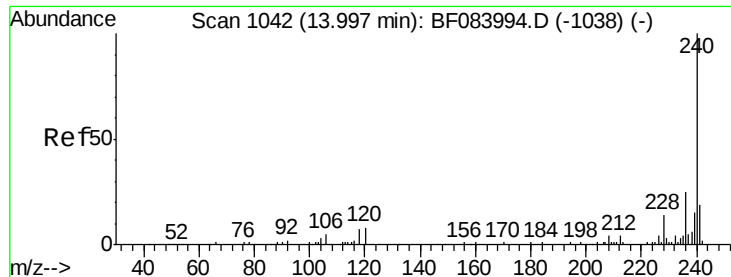
Tot Ion:188 Resp: 167041
 Ion Ratio Lower Upper
 188 100
 94 5.8 9.0 13.4#
 80 5.9 9.6 14.4#



#66
 4-Bromophenyl-phenylether
 Concen: 5.12 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.24 min
 Lab File: BF084017.D
 Acq: 23 Dec 2015 4:44

Tgt Ion:248 Resp: 9814
 Ion Ratio Lower Upper
 248 100
 250 200.5 78.4 117.6#
 141 463.7 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: BF084017.D

Acq: 23 Dec 2015 4:44

Instrument :

BNA_F

ClientSampleId :

FB-20151214

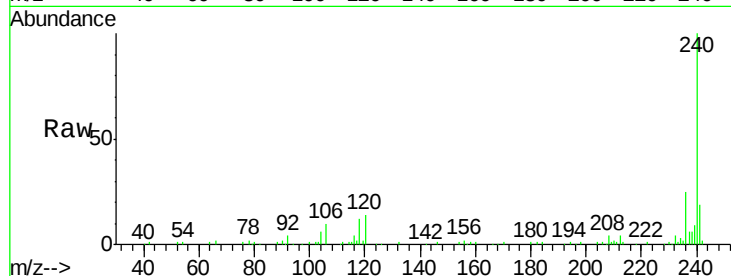
Tot Ion:240 Resp: 158254

Ion Ratio Lower Upper

240 100

120 13.9 9.5 14.3

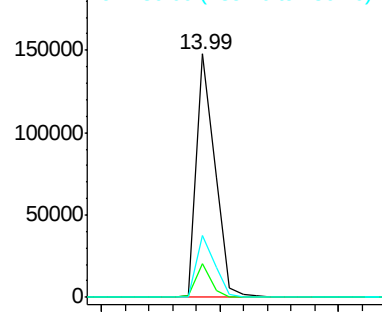
236 25.3 20.6 31.0



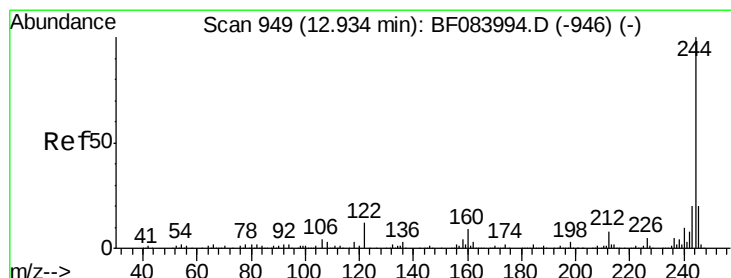
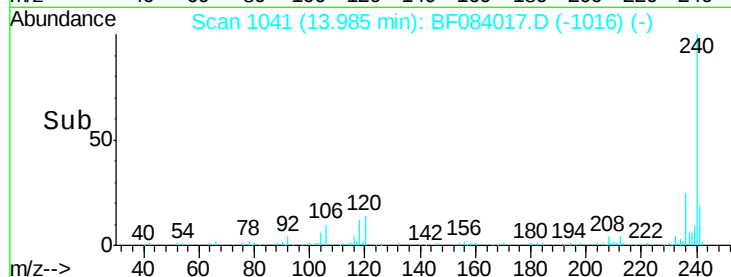
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 13.90 14.00 14.10



#78

Terphenyl-d14

Concen: 99.84 ng

RT: 12.93 min Scan# 949

Delta R.T. -0.00 min

Lab File: BF084017.D

Acq: 23 Dec 2015 4:44

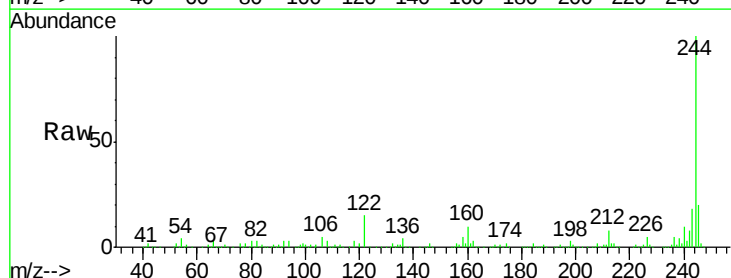
Tgt Ion:244 Resp: 662537

Ion Ratio Lower Upper

244 100

212 8.1 5.7 8.5

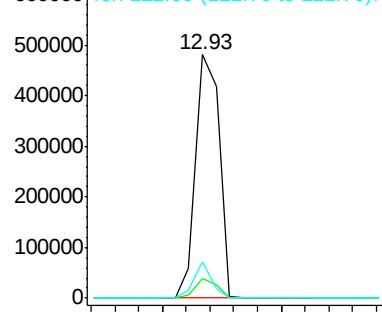
122 15.0 7.4 11.0#



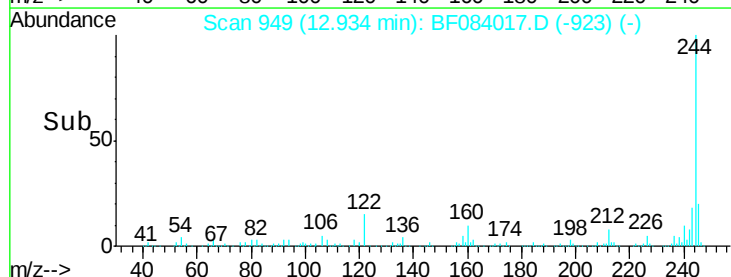
Abundance Ion 244.00 (243.70 to 244.70): E

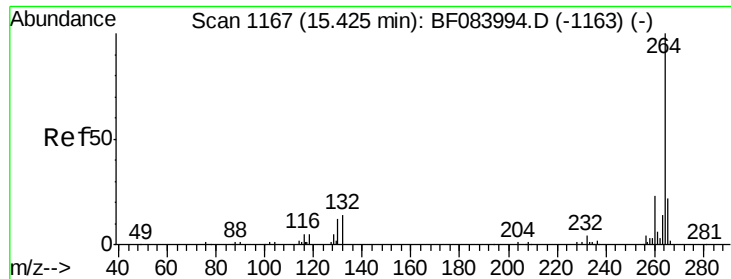
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 12.90 13.00

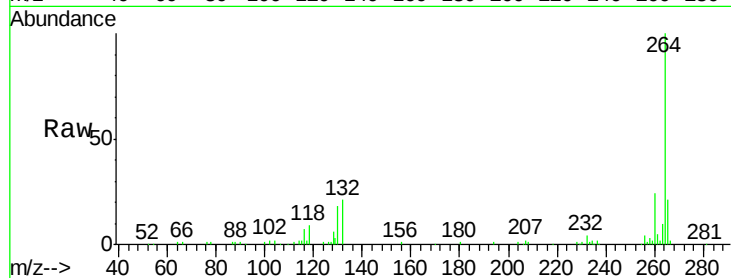




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.01 min
Lab File: BF084017.D
Acq: 23 Dec 2015 4:44

Instrument :
BNA_F
ClientSampleId :
FB-20151214

Tot Ion: 264 Resp: 125141
Ion Ratio Lower Upper
264 100
260 23.5 19.4 29.2
265 21.0 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

