

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
 Data File : BF084067.D
 Acq On : 24 Dec 2015 7:07
 Operator : UM/SJ
 Sample : G4925-05
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 24 09:47:38 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

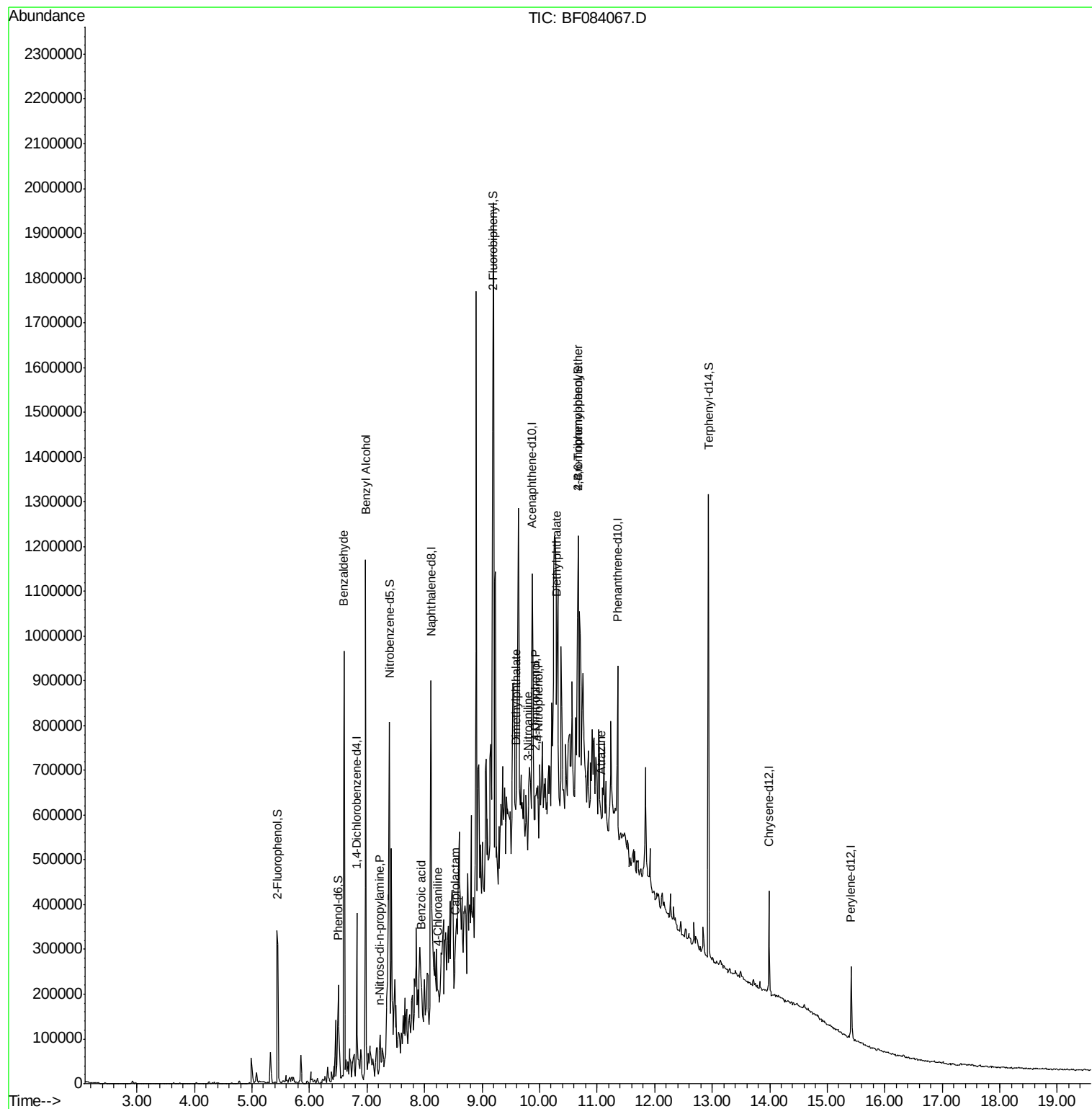
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	50963	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	189128	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	83002	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	121657	20.00	ng	0.00
75) Chrysene-d12	13.99	240	87666	20.00	ng	-0.01
86) Perylene-d12	15.41	264	81034	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	147427	49.32	ng	0.01
7) Phenol-d6	6.50	99	121116	34.46	ng	0.02
23) Nitrobenzene-d5	7.39	82	277758	90.22	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	97382	121.98	ng	0.01
44) 2-Fluorobiphenyl	9.20	172	540895	87.70	ng	0.00
78) Terphenyl-d14	12.93	244	295714	80.44	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.60	77	7490	3.19	ng	89
15) Benzyl Alcohol	6.98	79	7743	2.80	ng	# 48
19) n-Nitroso-di-n-propylamine	7.22	70	7867	3.69	ng	# 56
32) Benzoic acid	7.94	122	3138	7.31	ng	# 29
33) 4-Chloroaniline	8.24	127	9373	2.37	ng	# 61
35) Caprolactam	8.53	113	6040	7.56	ng	# 1
49) Dimethylphthalate	9.60	163	17071	2.63	ng	# 55
52) 3-Nitroaniline	9.80	138	4484	3.08	ng	# 30
53) 2,4-Dinitrophenol	9.93	184	2035	11.13	ng	# 1
55) 4-Nitrophenol	9.97	139	2736	3.20	ng	# 1
59) Diethylphthalate	10.30	149	26331	4.13	ng	# 59
66) 4-Bromophenyl-phenylether	10.67	248	7016	5.03	ng	# 1
68) Atrazine	11.07	200	4215	3.10	ng	# 1

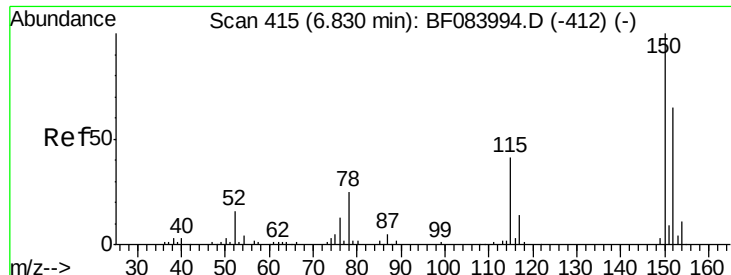
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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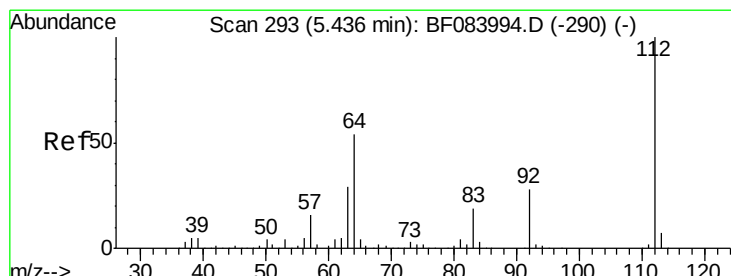
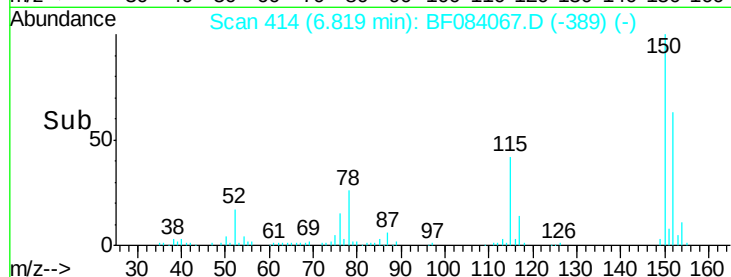
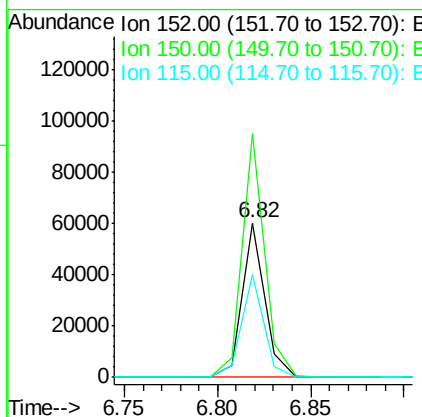
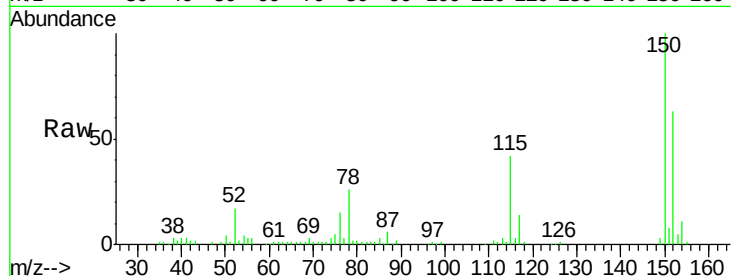




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.82 min Scan# 414
 Delta R.T. -0.01 min
 Lab File: BF084067.D
 Acq: 24 Dec 2015 7:07

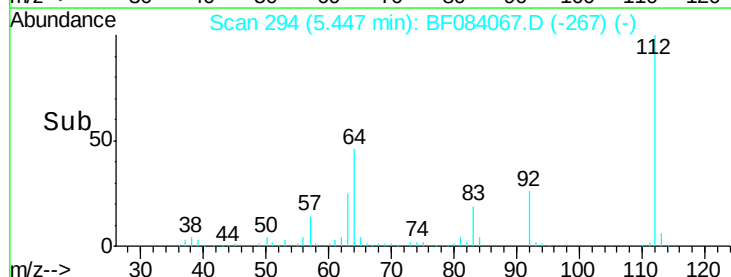
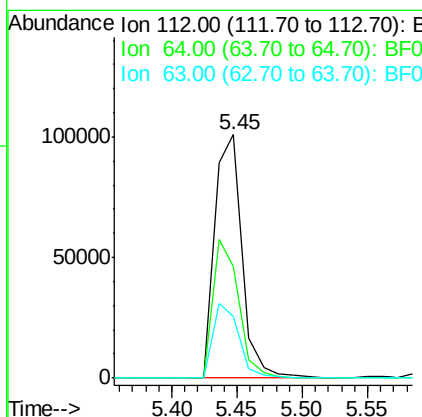
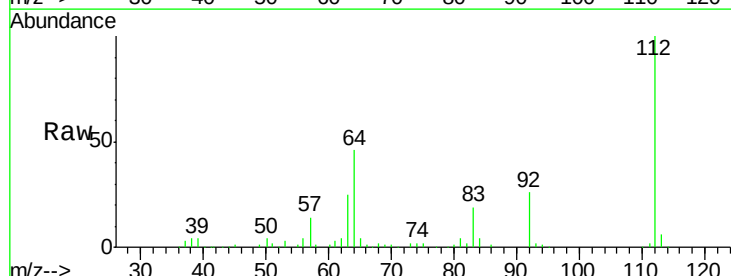
Instrument :
 BNA_F
 ClientSampleId :

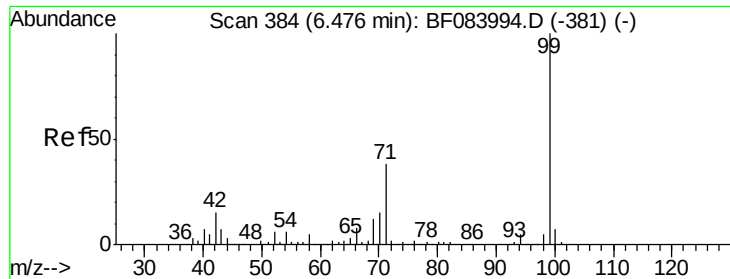
Tot Ion:152 Resp: 50963
 Ion Ratio Lower Upper
 152 100
 150 157.6 123.0 184.4
 115 66.5 51.4 77.2



#5
 2-Fluorophenol
 Concen: 49.32 ng
 RT: 5.45 min Scan# 294
 Delta R.T. 0.01 min
 Lab File: BF084067.D
 Acq: 24 Dec 2015 7:07

Tgt Ion:112 Resp: 147427
 Ion Ratio Lower Upper
 112 100
 64 46.1 36.6 55.0
 63 25.3 19.4 29.0





#7

Phenol-d6

Concen: 34.46 ng

RT: 6.50 min Scan# 386

Delta R.T. 0.02 min

Lab File: BF084067.D

Acq: 24 Dec 2015 7:07

Instrument :

BNA_F

ClientSampled :

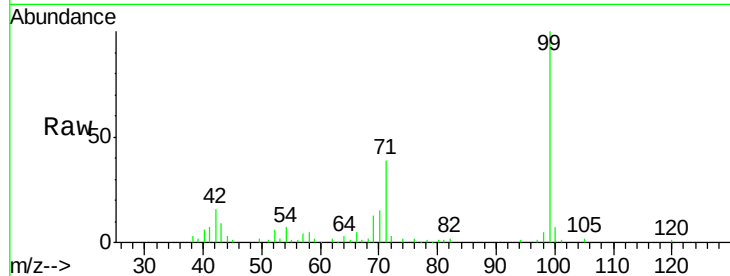
Tot Ion: 99 Resp: 121116

Ion Ratio Lower Upper

99 100

42 15.6 12.8 19.2

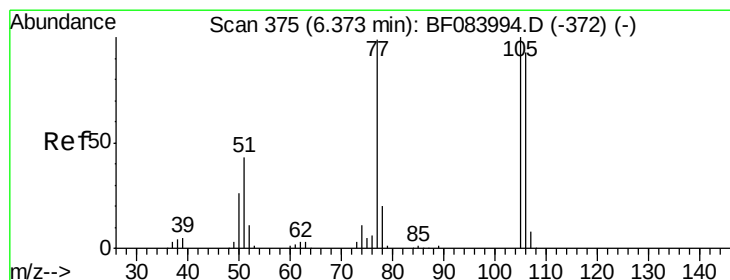
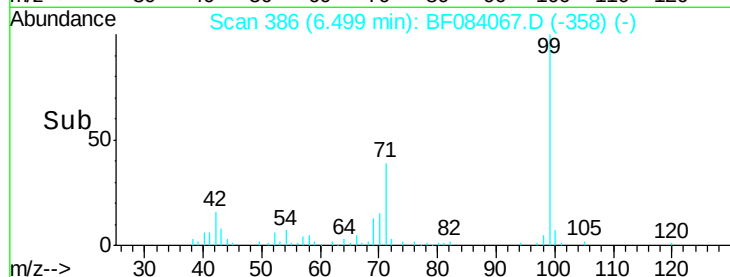
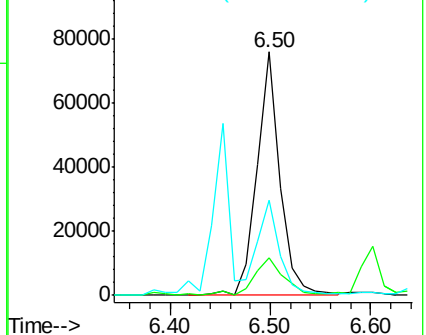
71 38.9 30.9 46.3



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: 3.19 ng

RT: 6.60 min Scan# 395

Delta R.T. 0.23 min

Lab File: BF084067.D

Acq: 24 Dec 2015 7:07

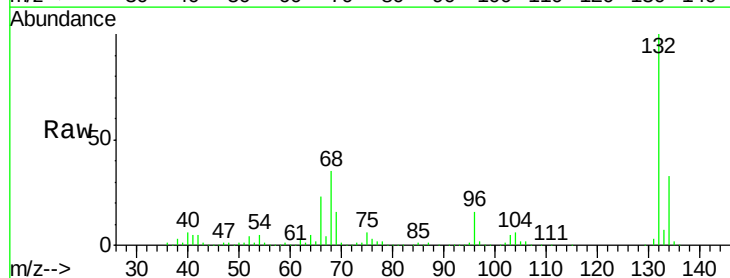
Tgt Ion: 77 Resp: 7490

Ion Ratio Lower Upper

77 100

105 86.7 83.0 123.0

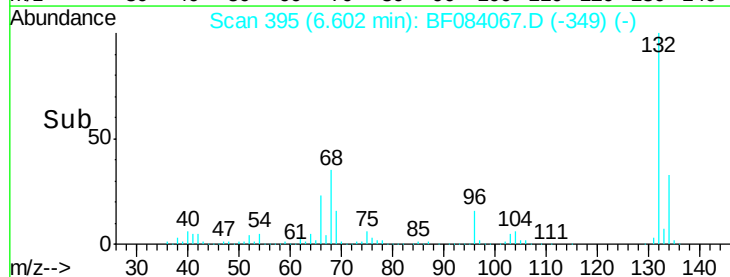
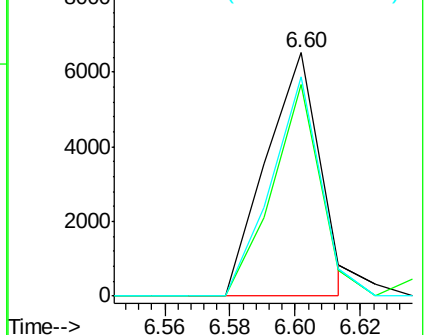
106 90.2 74.6 114.6

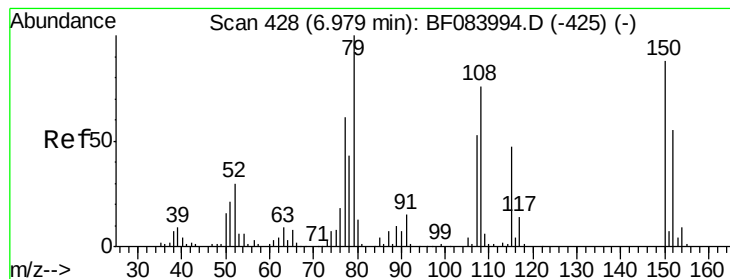


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.80 ng

RT: 6.98 min Scan# 428

Delta R.T. 0.00 min

Lab File: BF084067.D

Acq: 24 Dec 2015 7:07

Instrument :

BNA_F

ClientSampleId :

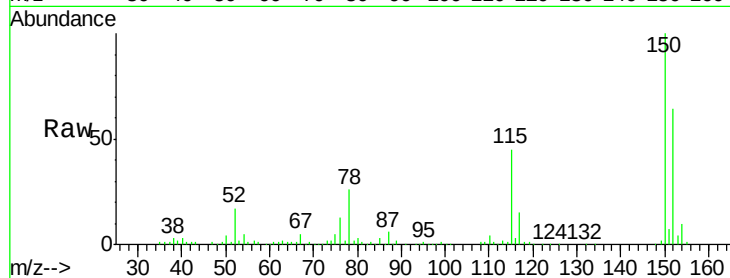
Tot Ion: 79 Resp: 7743

Ion Ratio Lower Upper

79 100

108 33.8 69.0 103.4#

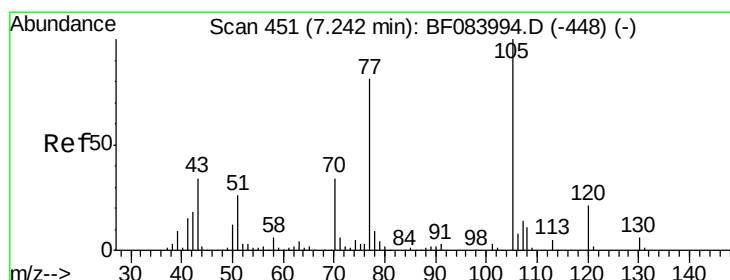
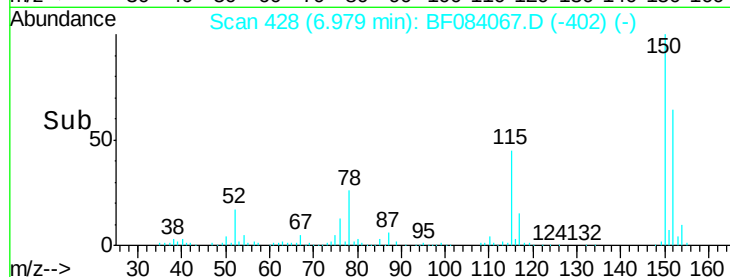
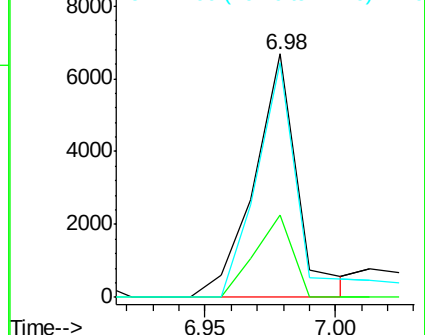
77 96.5 50.0 75.0#



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: 3.69 ng

RT: 7.22 min Scan# 449

Delta R.T. -0.02 min

Lab File: BF084067.D

Acq: 24 Dec 2015 7:07

Tgt Ion: 70 Resp: 7867

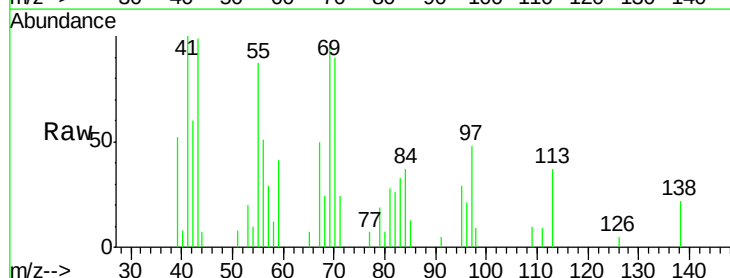
Ion Ratio Lower Upper

70 100

42 66.8 33.3 49.9#

101 0.0 9.3 13.9#

130 0.0 23.4 35.0#

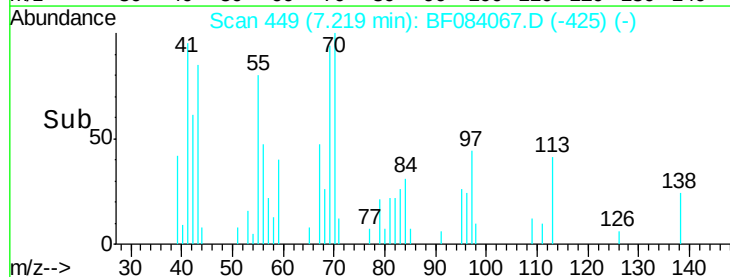
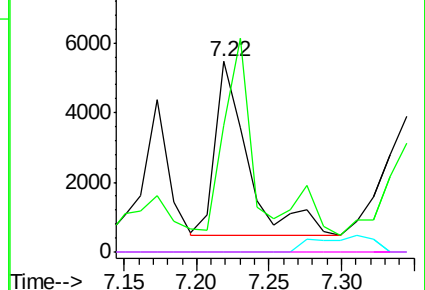


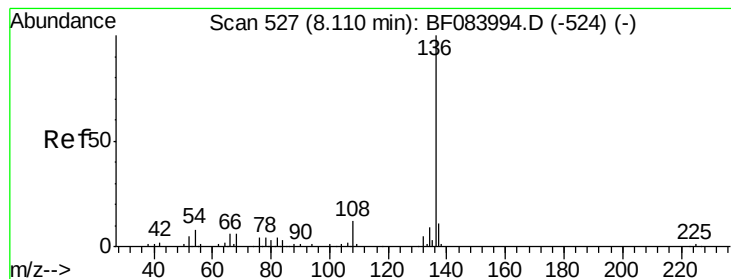
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF084067.D

Acq: 24 Dec 2015 7:07

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 189128

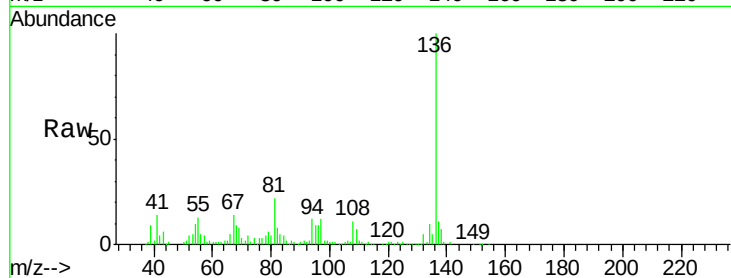
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 10.1 5.8 8.8#

68 9.1 4.2 6.2#

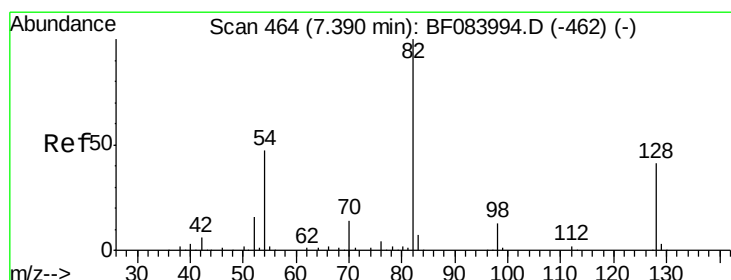
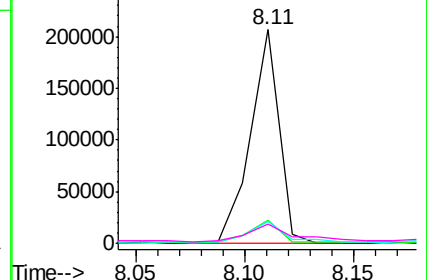
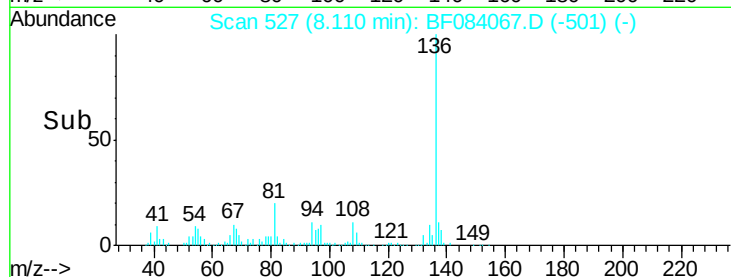


Abundance Ion 136.00 (135.70 to 136.70): E

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: 90.22 ng

RT: 7.39 min Scan# 464

Delta R.T. 0.00 min

Lab File: BF084067.D

Acq: 24 Dec 2015 7:07

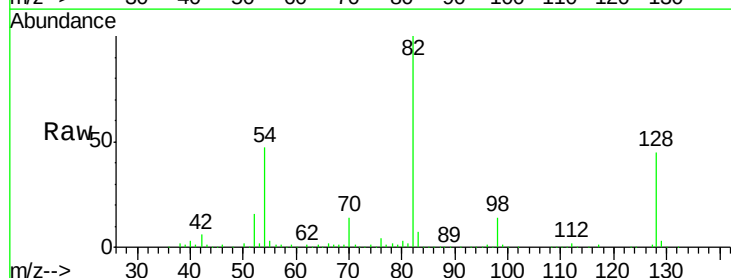
Tgt Ion: 82 Resp: 277758

Ion Ratio Lower Upper

82 100

128 45.1 34.6 51.8

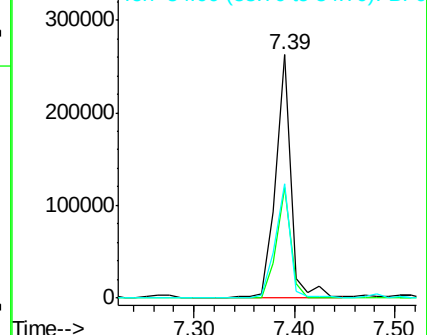
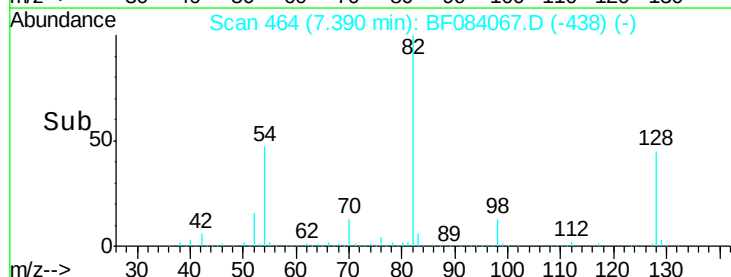
54 47.0 38.4 57.6

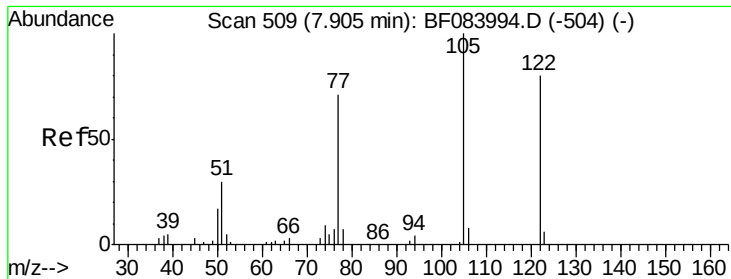


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

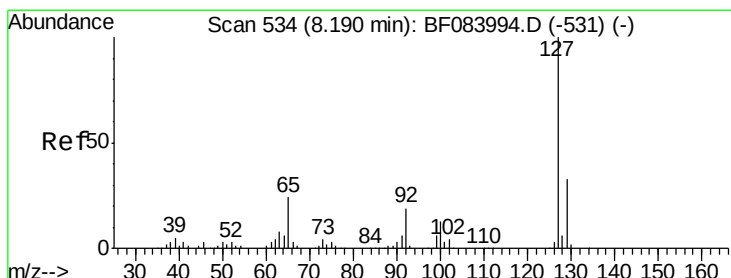
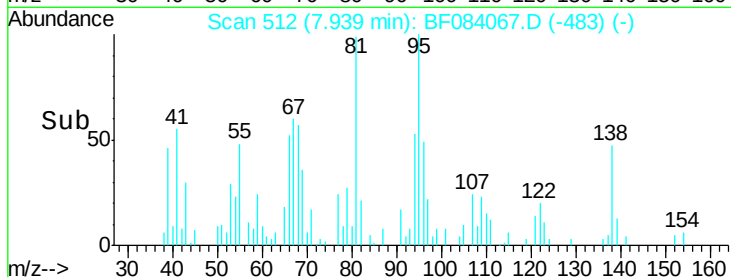
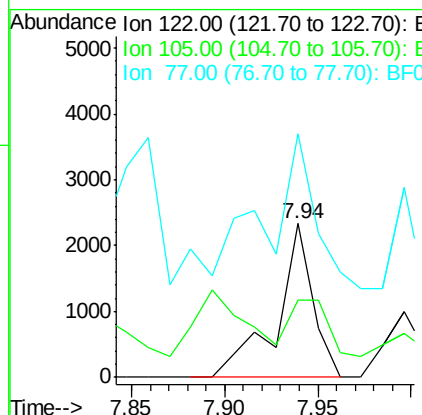
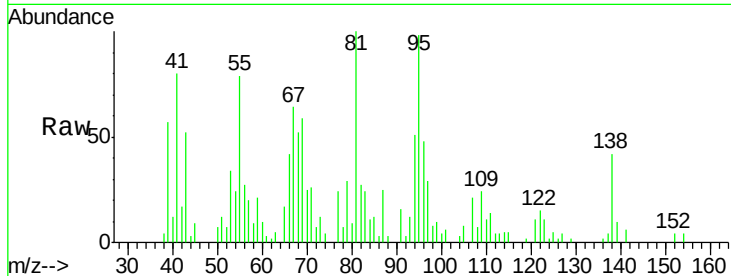




#32
Benzoic acid
Concen: 7.31 ng
RT: 7.94 min Scan# 512
Delta R.T. 0.03 min
Lab File: BF084067.D
Acq: 24 Dec 2015 7:07

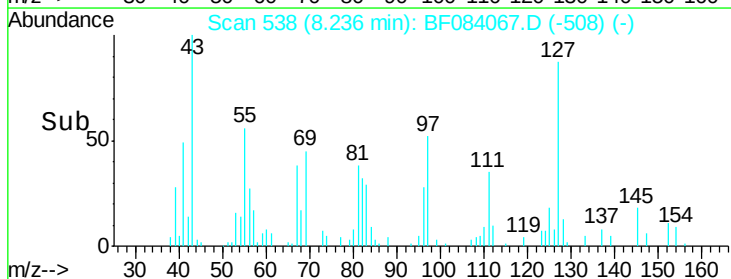
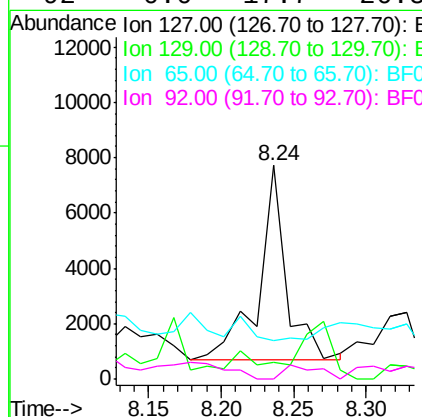
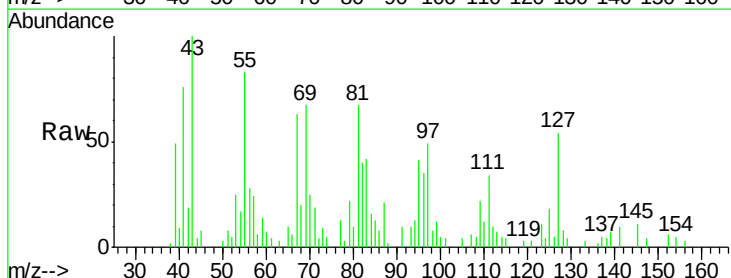
Instrument :
BNA_F
ClientSampled :

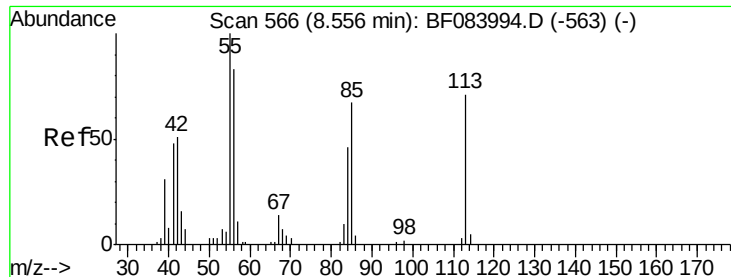
Tot Ion:122 Resp: 3138
Ion Ratio Lower Upper
122 100
105 49.9 100.3 140.3#
77 158.2 63.5 103.5#



#33
4-Chloroaniline
Concen: 2.37 ng
RT: 8.24 min Scan# 538
Delta R.T. 0.05 min
Lab File: BF084067.D
Acq: 24 Dec 2015 7:07

Tgt Ion:127 Resp: 9373
Ion Ratio Lower Upper
127 100
129 7.8 26.5 39.7#
65 17.8 27.2 40.8#
92 0.0 17.7 26.5#

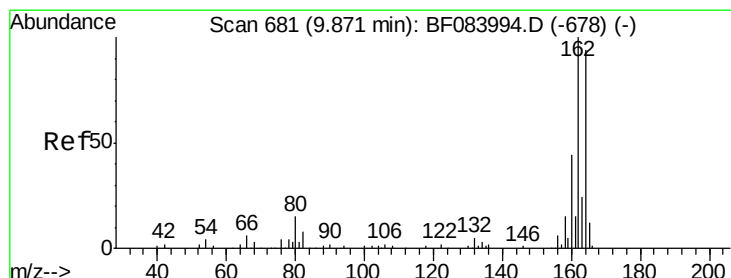
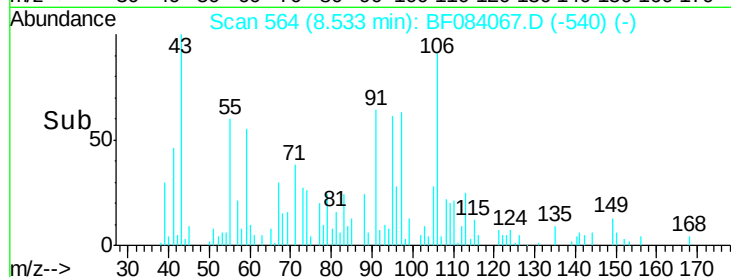
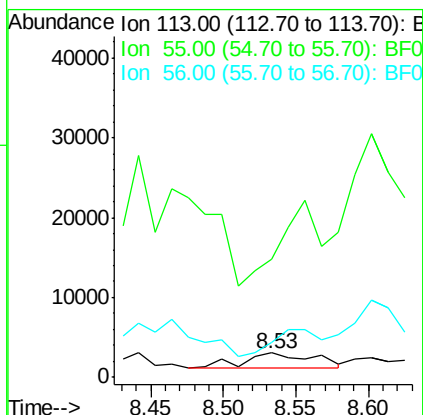
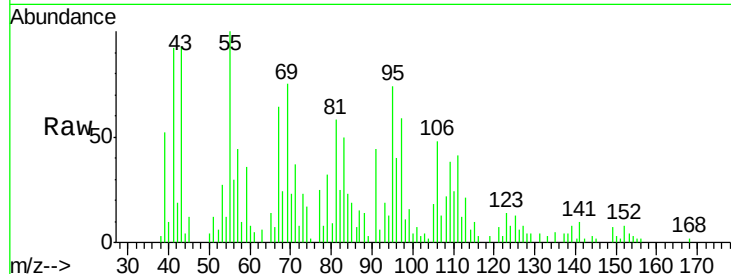




#35
 Caprolactam
 Concen: 7.56 ng
 RT: 8.53 min Scan# 564
 Delta R.T. -0.02 min
 Lab File: BF084067.D
 Acq: 24 Dec 2015 7:07

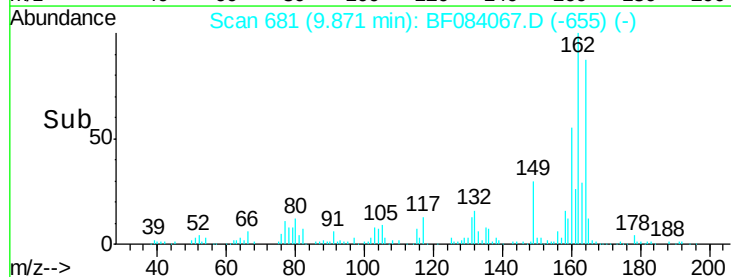
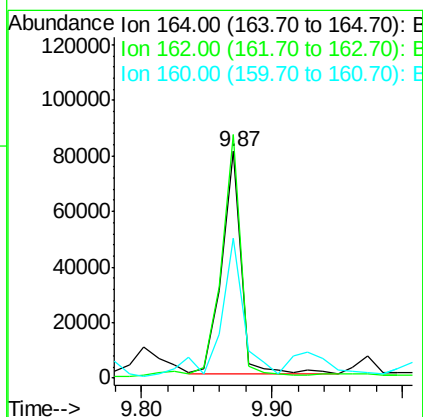
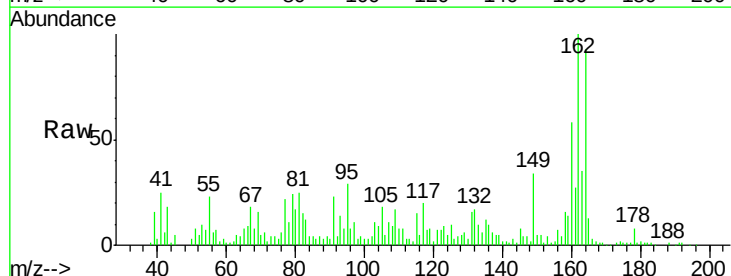
Instrument :
 BNA_F
 ClientSampleId :

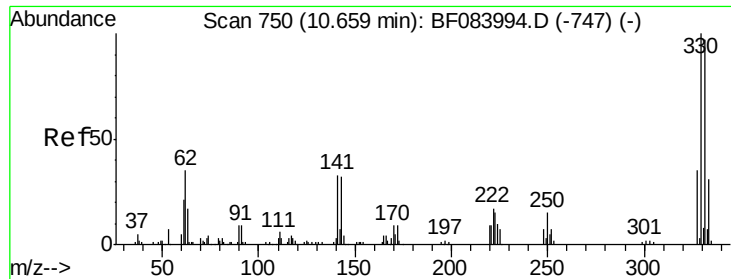
Tot Ion:113 Resp: 6040
 Ion Ratio Lower Upper
 113 100
 55 486.7 116.9 156.9#
 56 144.6 93.8 133.8#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.87 min Scan# 681
 Delta R.T. -0.00 min
 Lab File: BF084067.D
 Acq: 24 Dec 2015 7:07

Tgt Ion:164 Resp: 83002
 Ion Ratio Lower Upper
 164 100
 162 107.4 85.1 127.7
 160 61.8 37.5 56.3#





#41

2,4,6-Tribromophenol

Concen: 121.98 ng

RT: 10.67 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF084067.D

Acq: 24 Dec 2015 7:07

Instrument :

BNA_F

ClientSampleId :

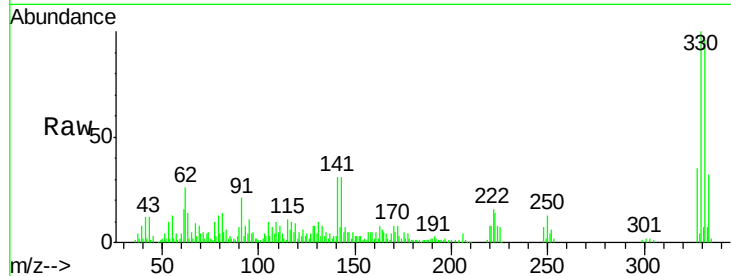
Tot Ion:330 Resp: 97382

Ion Ratio Lower Upper

330 100

332 96.3 76.6 114.8

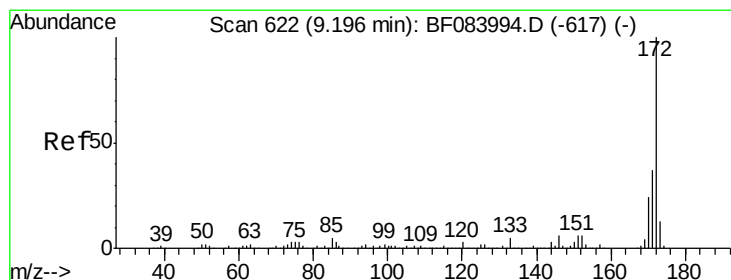
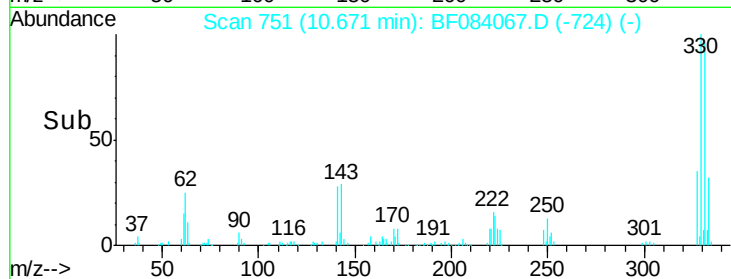
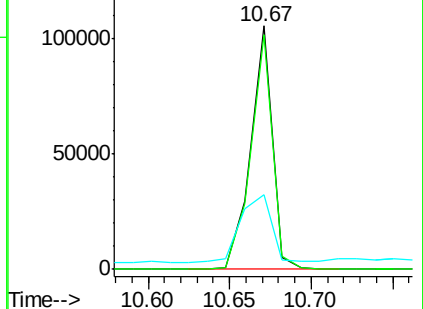
141 41.1 27.8 41.6



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: 87.70 ng

RT: 9.20 min Scan# 622

Delta R.T. 0.00 min

Lab File: BF084067.D

Acq: 24 Dec 2015 7:07

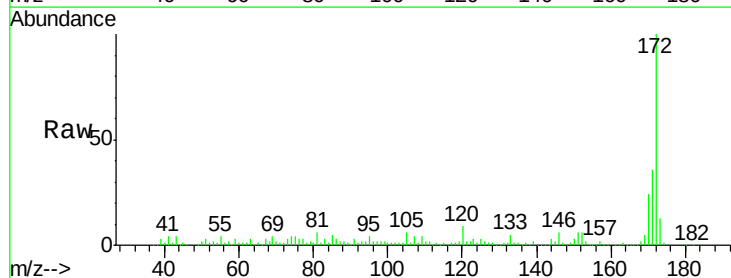
Tgt Ion:172 Resp: 540895

Ion Ratio Lower Upper

172 100

171 36.2 28.9 43.3

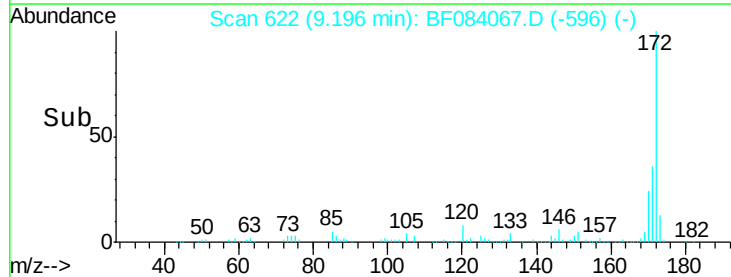
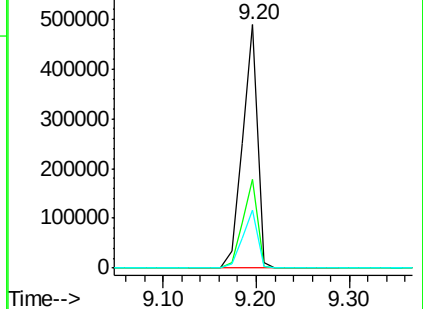
170 23.7 18.6 27.8

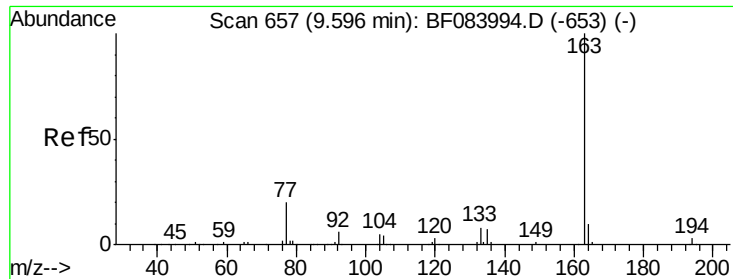


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

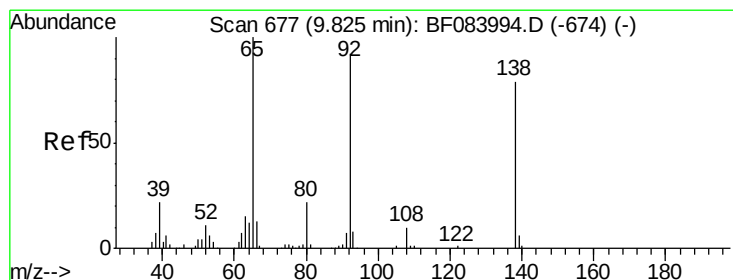
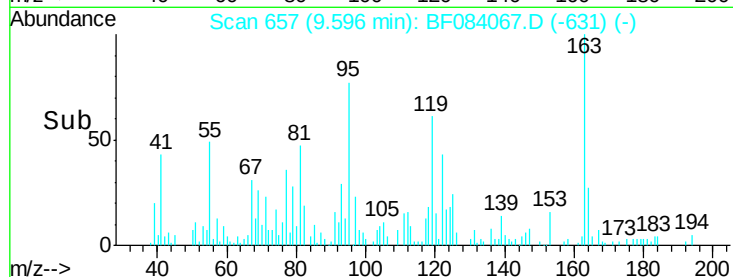
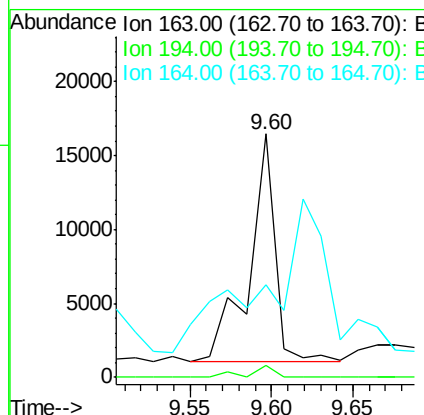
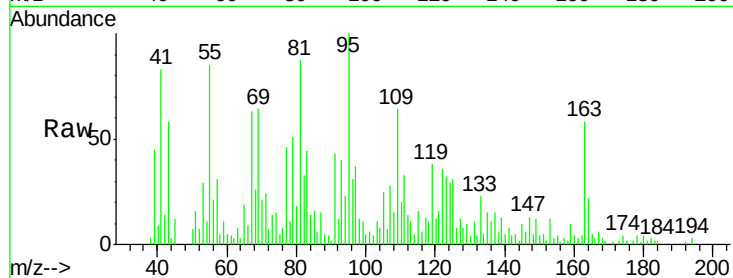




#49
Dimethylphthalate
Concen: 2.63 ng
RT: 9.60 min Scan# 657
Delta R.T. 0.00 min
Lab File: BF084067.D
Acq: 24 Dec 2015 7:07

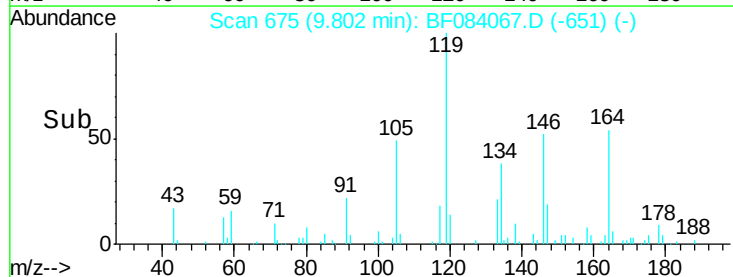
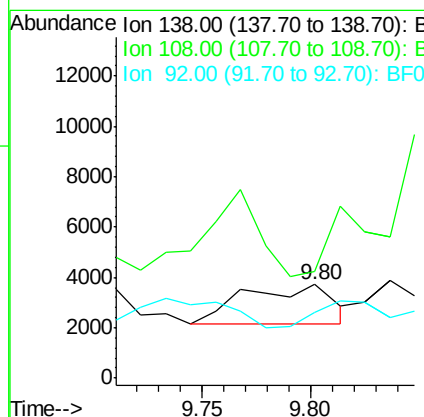
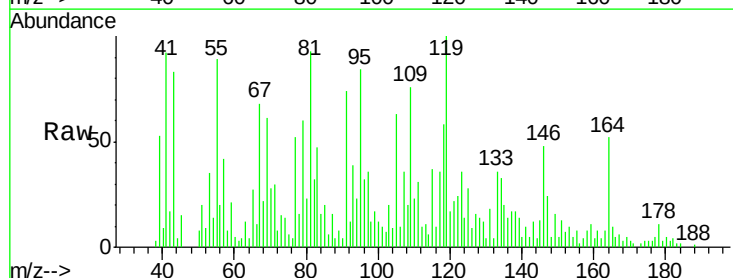
Instrument :
BNA_F
ClientSampled :

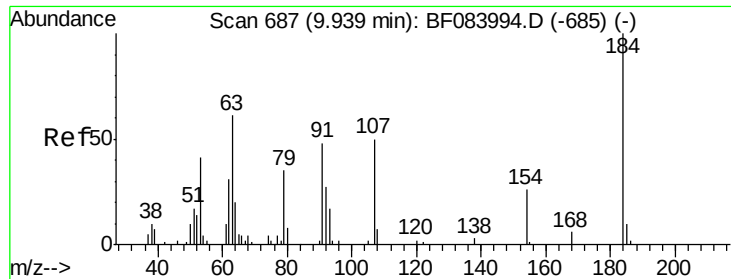
Tot Ion:163 Resp: 17071
Ion Ratio Lower Upper
163 100
194 4.8 8.0 12.0#
164 38.2 8.0 12.0#



#52
3-Nitroaniline
Concen: 3.08 ng
RT: 9.80 min Scan# 675
Delta R.T. -0.02 min
Lab File: BF084067.D
Acq: 24 Dec 2015 7:07

Tgt Ion:138 Resp: 4484
Ion Ratio Lower Upper
138 100
108 113.7 10.5 15.7#
92 69.7 103.9 155.9#

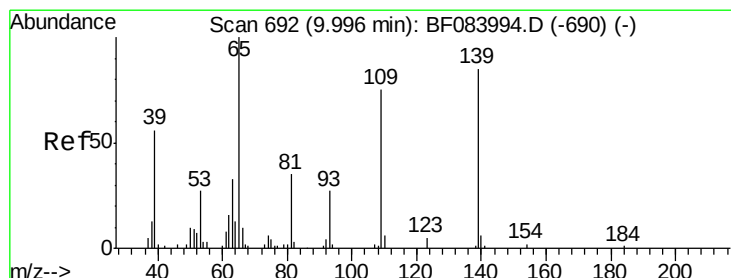
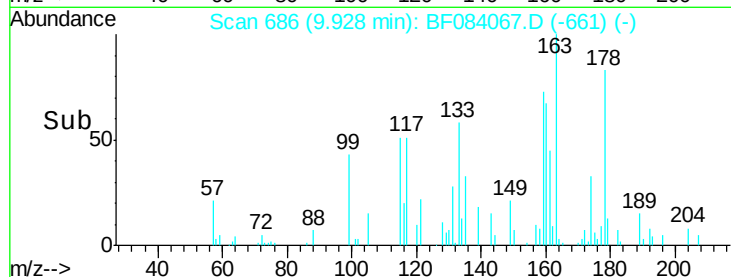
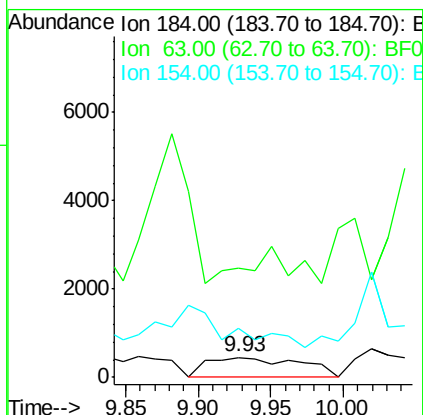
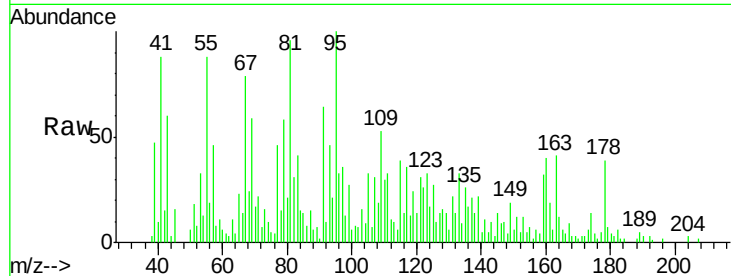




#53
 2,4-Dinitrophenol
 Concen: 11.13 ng
 RT: 9.93 min Scan# 686
 Delta R.T. -0.01 min
 Lab File: BF084067.D
 Acq: 24 Dec 2015 7:07

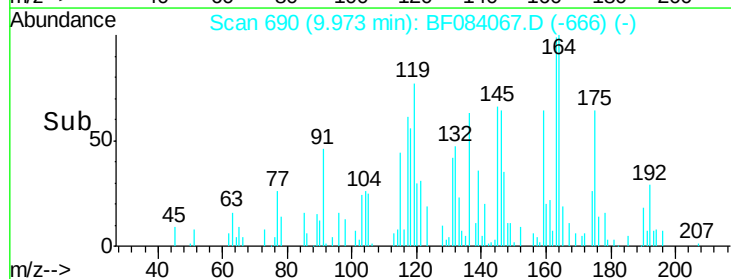
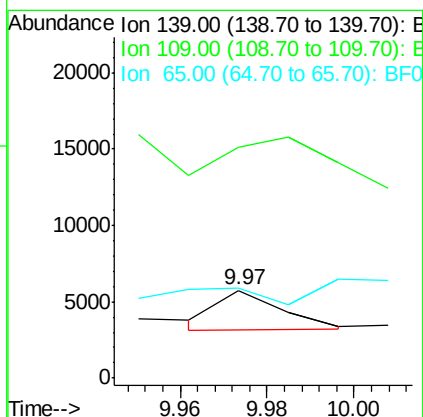
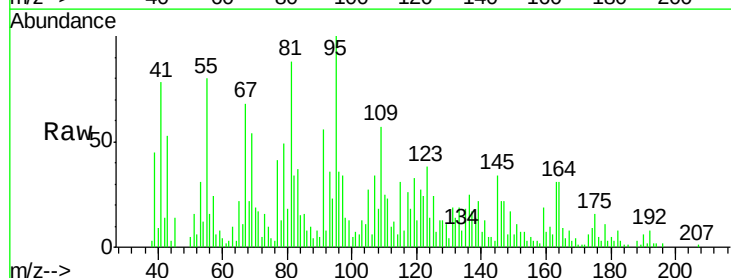
Instrument :
 BNA_F
 ClientSampleId :

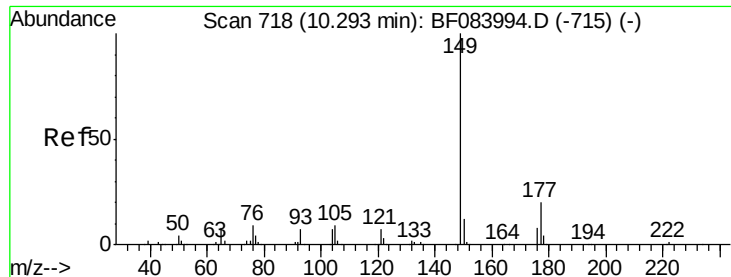
Tot Ion	Ratio	Lower	Upper
184	100		
63	555.9	43.1	64.7#
154	251.7	60.5	90.7#



#55
 4-Nitrophenol
 Concen: 3.20 ng
 RT: 9.97 min Scan# 690
 Delta R.T. -0.02 min
 Lab File: BF084067.D
 Acq: 24 Dec 2015 7:07

Tgt Ion	Ratio	Lower	Upper
139	100		
109	262.8	58.5	98.5#
65	102.2	57.6	97.6#





#59

Diethylphthalate

Concen: 4.13 ng

RT: 10.30 min Scan# 719

Delta R.T. 0.01 min

Lab File: BF084067.D

Acq: 24 Dec 2015 7:07

Instrument :

BNA_F

ClientSampleId :

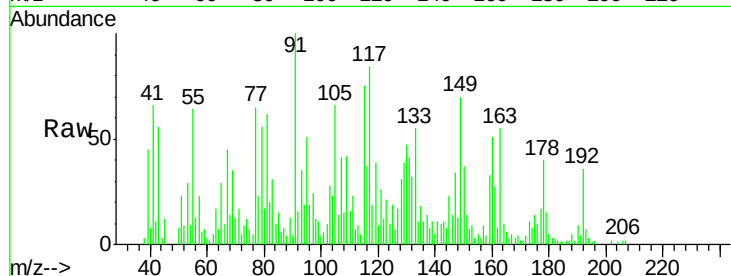
Tot Ion:149 Resp: 26331

Ion Ratio Lower Upper

149 100

177 24.1 17.3 25.9

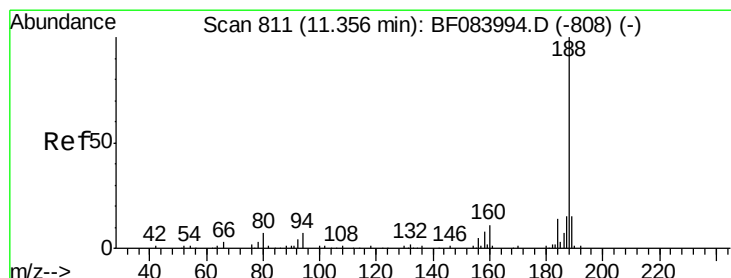
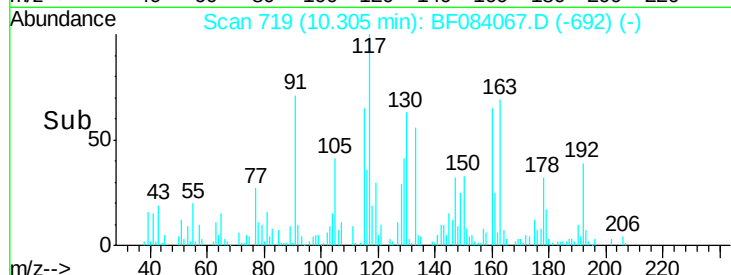
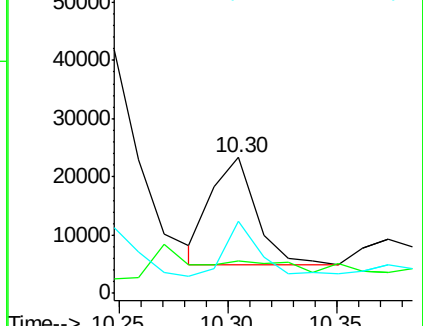
150 52.7 9.8 14.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 811

Delta R.T. 0.00 min

Lab File: BF084067.D

Acq: 24 Dec 2015 7:07

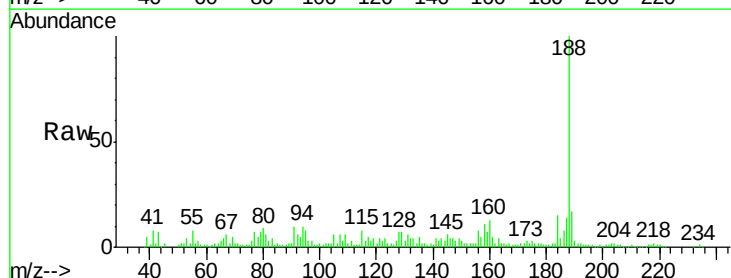
Tgt Ion:188 Resp: 121657

Ion Ratio Lower Upper

188 100

94 9.5 9.0 13.4

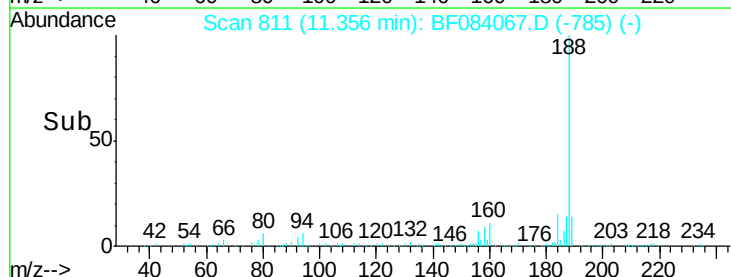
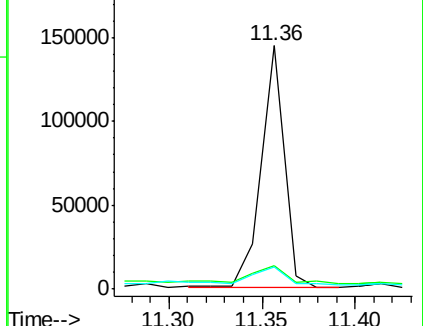
80 9.0 9.6 14.4#

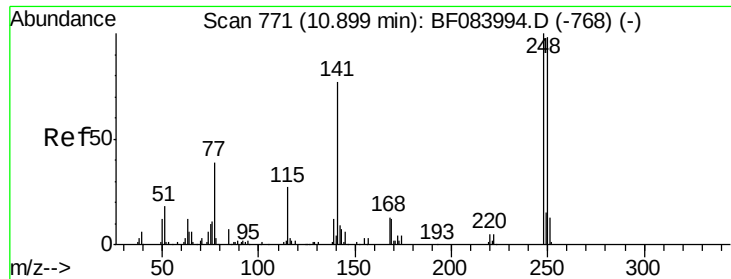


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

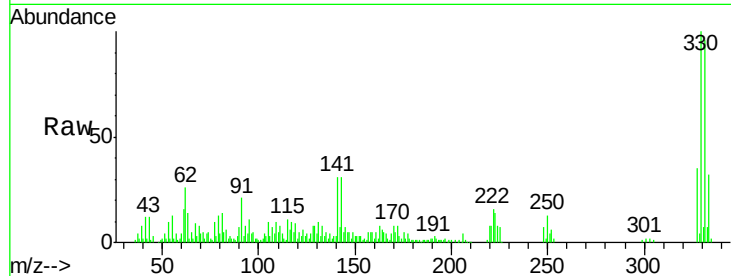




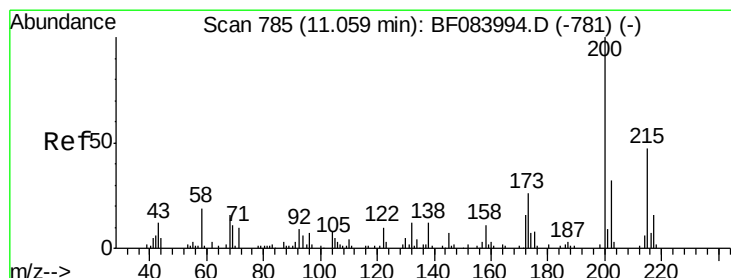
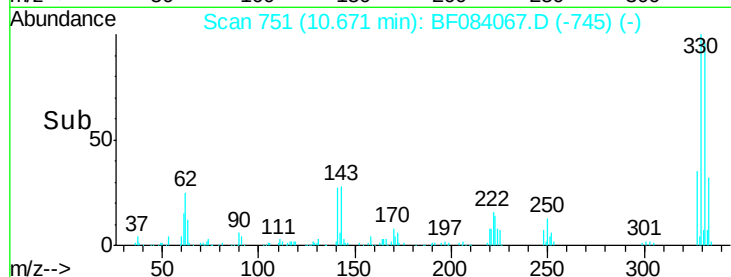
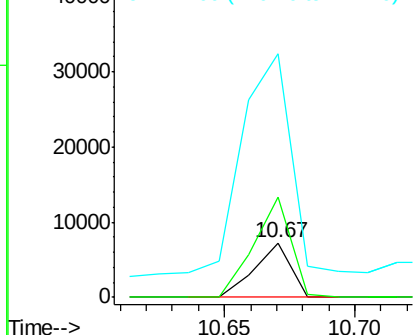
#66
4-Bromophenyl-phenylether
Concen: 5.03 ng
RT: 10.67 min Scan# 751
Delta R.T. -0.23 min
Lab File: BF084067.D
Acq: 24 Dec 2015 7:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 7016
Ion Ratio Lower Upper
248 100
250 186.1 78.4 117.6#
141 449.6 44.0 66.0#

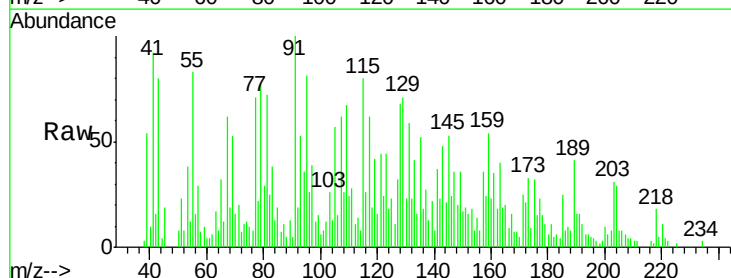


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

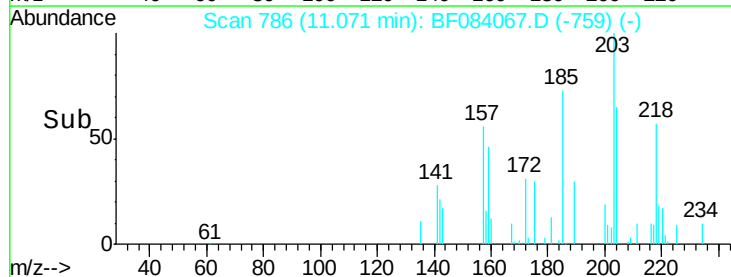
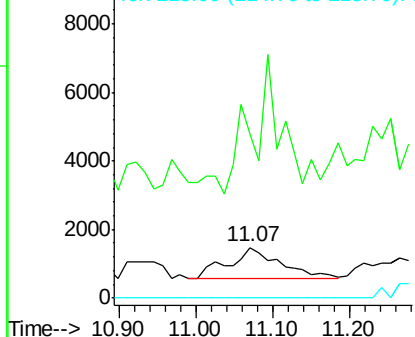


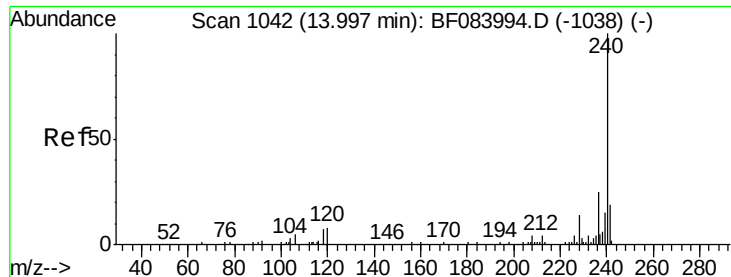
#68
Atrazine
Concen: 3.10 ng
RT: 11.07 min Scan# 786
Delta R.T. 0.01 min
Lab File: BF084067.D
Acq: 24 Dec 2015 7:07

Tgt Ion:200 Resp: 4215
Ion Ratio Lower Upper
200 100
173 324.2 9.5 49.5#
215 0.0 23.8 63.8#



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BF084067.D

Acq: 24 Dec 2015 7:07

Instrument :

BNA_F

ClientSampleId :

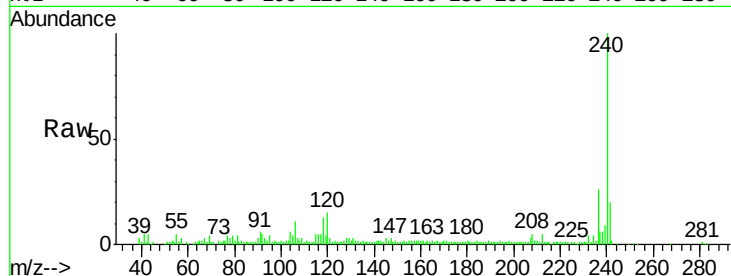
Tot Ion:240 Resp: 87666

Ion Ratio Lower Upper

240 100

120 14.6 9.5 14.3#

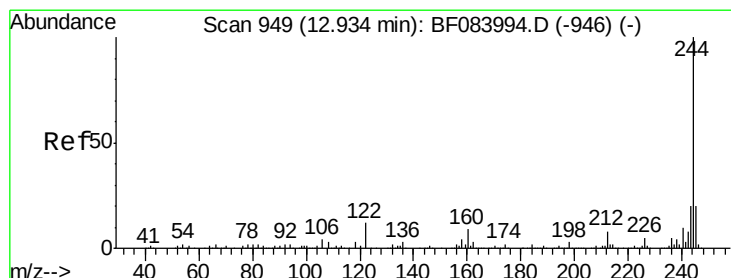
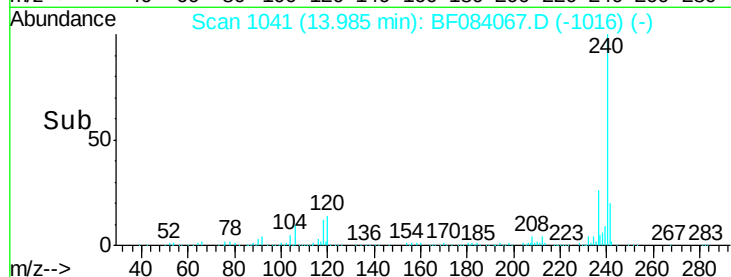
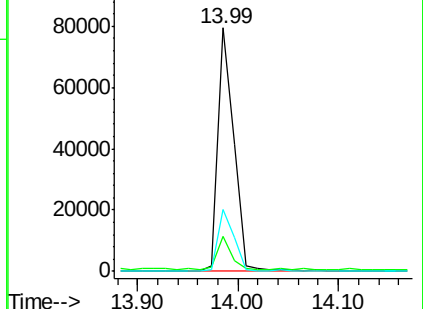
236 25.5 20.6 31.0



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: 80.44 ng

RT: 12.93 min Scan# 949

Delta R.T. 0.00 min

Lab File: BF084067.D

Acq: 24 Dec 2015 7:07

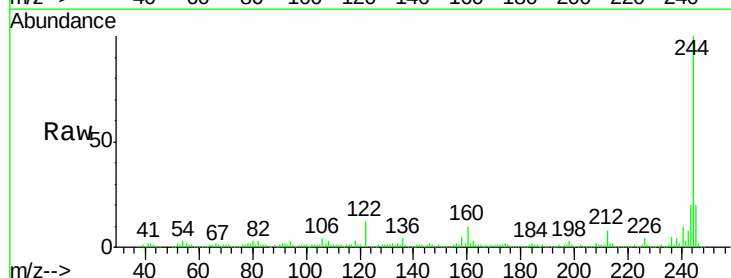
Tgt Ion:244 Resp: 295714

Ion Ratio Lower Upper

244 100

212 7.7 5.7 8.5

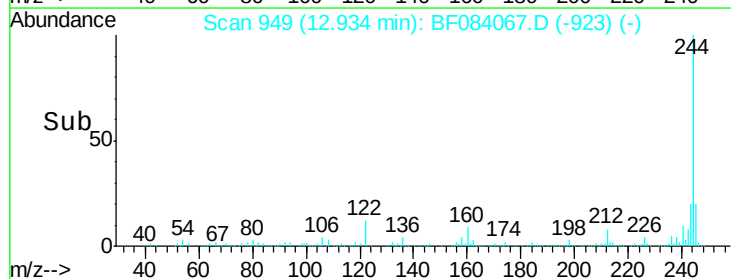
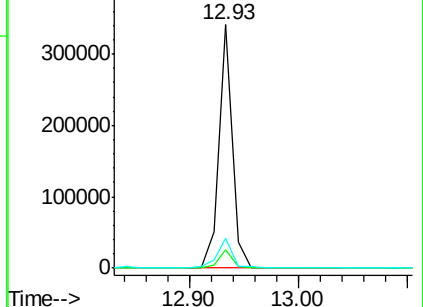
122 12.4 7.4 11.0#

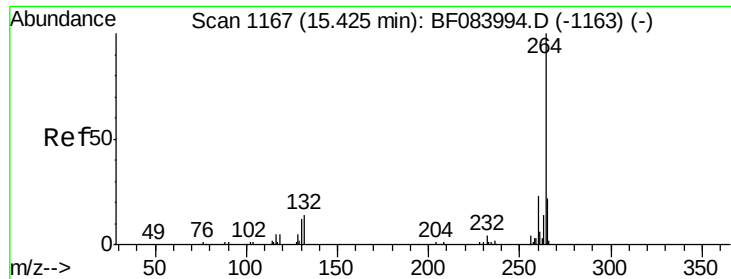


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

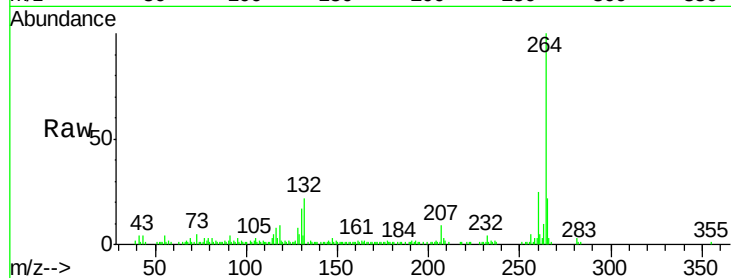




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.41 min Scan# 1166
 Delta R.T. -0.01 min
 Lab File: BF084067.D
 Acq: 24 Dec 2015 7:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.4	29.2
265	22.2	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

