

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081315\
 Data File : BF080996.D
 Acq On : 14 Aug 2015 00:50
 Operator : UM/IZ
 Sample : PB84967BL
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB84967BL

Quant Time: Aug 14 02:54:38 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 08 01:33:05 2015
 Response via : Initial Calibration

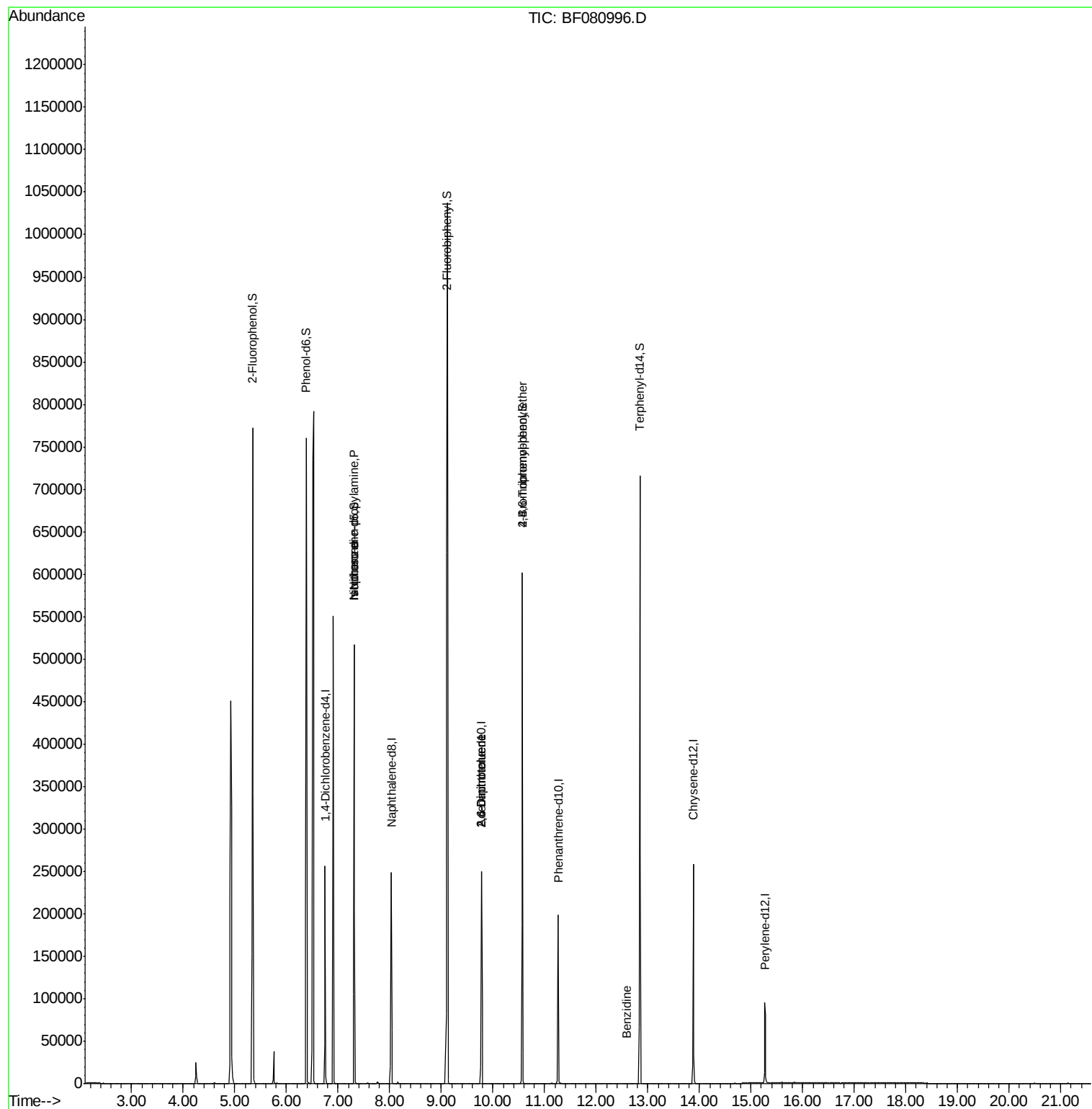
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	32360	20.00	ng	-0.06
21) Naphthalene-d8	8.03	136	105461	20.00	ng	-0.07
38) Acenaphthene-d10	9.78	164	50774	20.00	ng	-0.07
63) Phenanthrene-d10	11.26	188	108337	20.00	ng	-0.06
75) Chrysene-d12	13.88	240	84554	20.00	ng	-0.08
86) Perylene-d12	15.28	264	55817	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	208550	105.30	ng	-0.03
7) Phenol-d6	6.38	99	228614	84.23	ng	-0.06
23) Nitrobenzene-d5	7.31	82	182894	82.03	ng	-0.07
41) 2,4,6-Tribromophenol	10.57	330	49240	88.27	ng	-0.07
44) 2-Fluorobiphenyl	9.12	172	405736	112.50	ng	-0.06
78) Terphenyl-d14	12.84	244	230644	56.34	ng	-0.07
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.31	70	25204	12.71	ng	# 85
25) Isophorone	7.31	82	159619	37.23	ng	# 65
50) 2,6-Dinitrotoluene	9.78	165	6484	7.44	ng	# 5
56) 2,4-Dinitrotoluene	9.78	165	6485	5.56	ng	# 7
66) 4-Bromophenyl-phenylether	10.57	248	4133	3.60	ng	# 1
76) Benzidine	12.59	184	368	2.34	ng	# 66

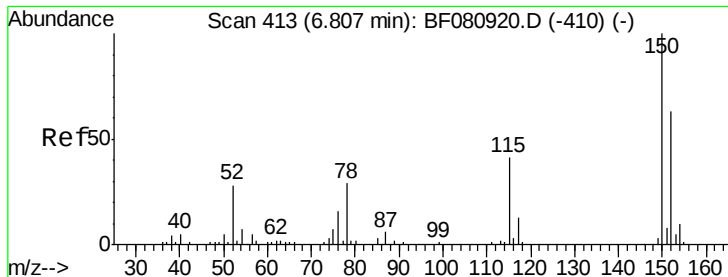
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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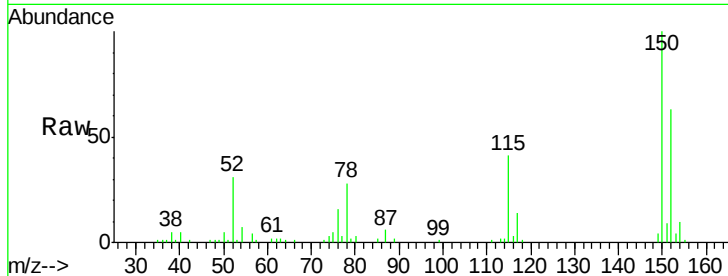


#1

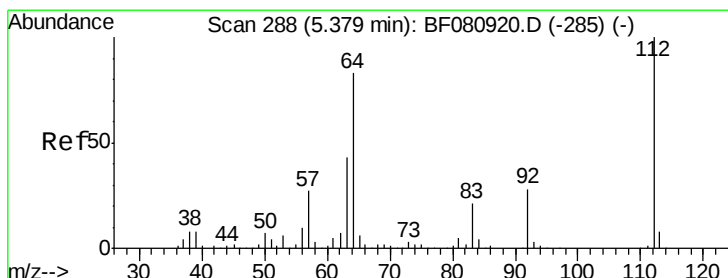
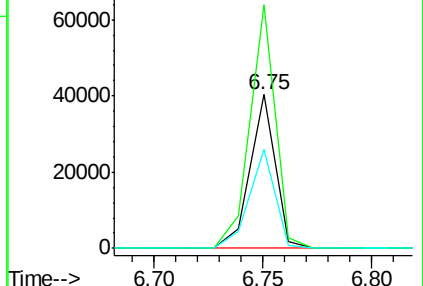
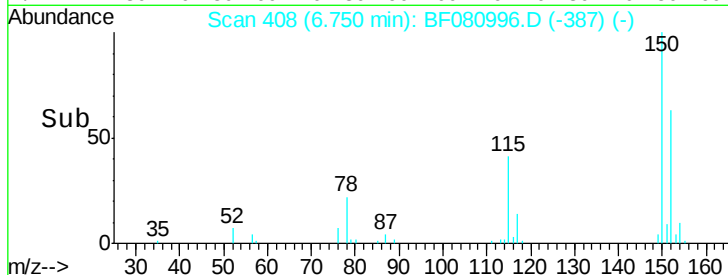
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.75 min Scan# 408
 Delta R.T. -0.06 min
 Lab File: BF080996.D
 Acq: 14 Aug 2015 00:50

Instrument :
 BNA_F
 ClientSampleId :
 PB84967BL

Tot Ion:152 Resp: 32360
 Ion Ratio Lower Upper
 152 100
 150 158.5 127.4 191.2
 115 64.5 52.6 78.8



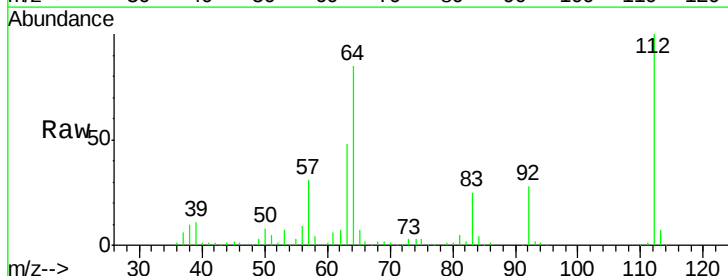
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



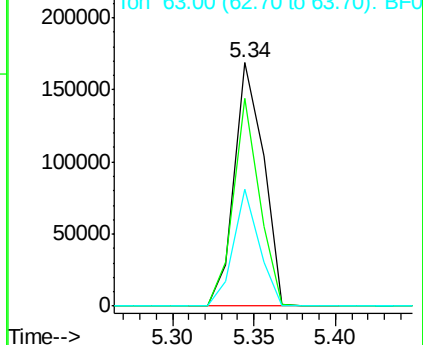
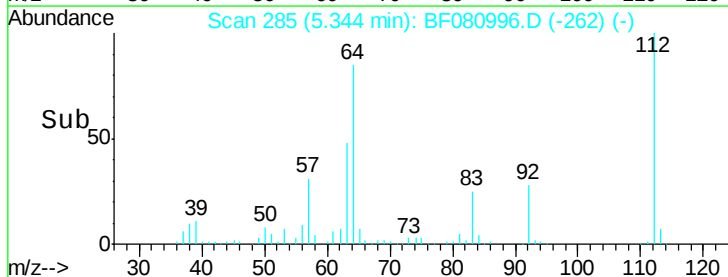
#5

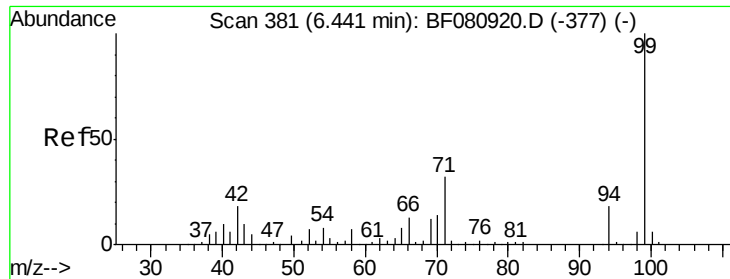
2-Fluorophenol
 Concen: 105.30 ng
 RT: 5.34 min Scan# 285
 Delta R.T. -0.03 min
 Lab File: BF080996.D
 Acq: 14 Aug 2015 00:50

Tgt Ion:112 Resp: 208550
 Ion Ratio Lower Upper
 112 100
 64 85.2 66.1 99.1
 63 48.1 34.6 52.0



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: 84.23 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.06 min

Lab File: BF080996.D

Acq: 14 Aug 2015 00:50

Instrument :

BNA_F

ClientSampleId :

PB84967BL

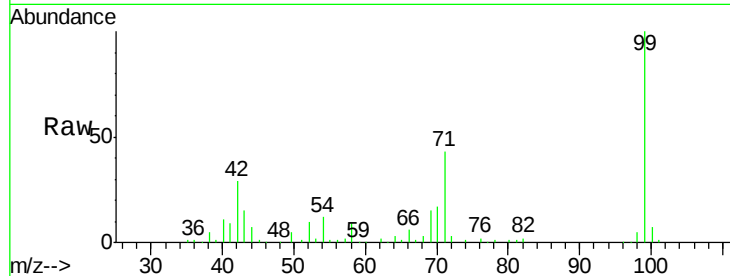
Tot Ion: 99 Resp: 228614

Ion Ratio Lower Upper

99 100

42 28.7 14.4 21.6#

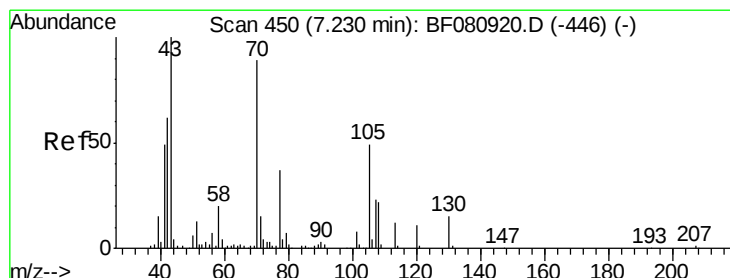
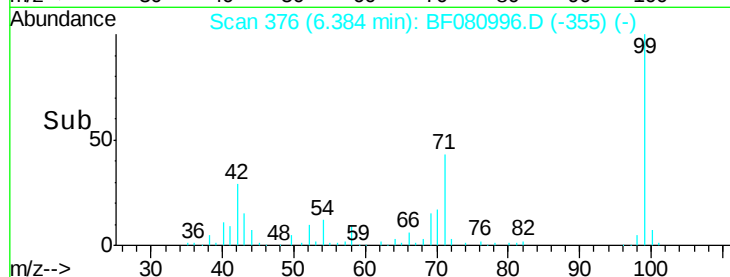
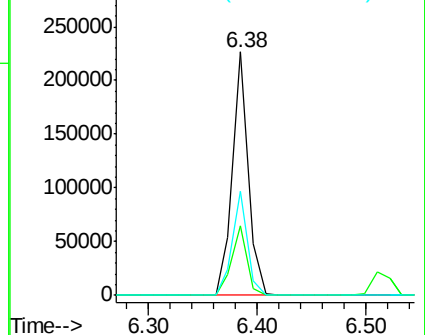
71 43.0 25.8 38.8#



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.71 ng

RT: 7.31 min Scan# 457

Delta R.T. 0.08 min

Lab File: BF080996.D

Acq: 14 Aug 2015 00:50

Tgt Ion: 70 Resp: 25204

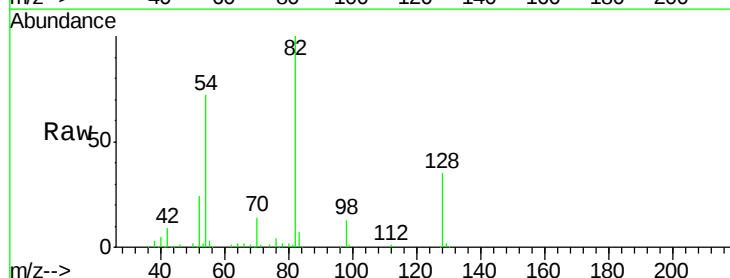
Ion Ratio Lower Upper

70 100

42 63.0 55.7 83.5

101 0.0 7.0 10.6#

130 1.6 13.8 20.8#

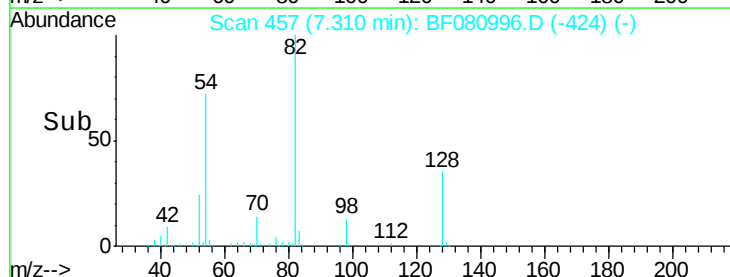
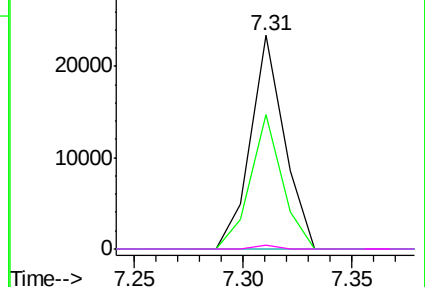


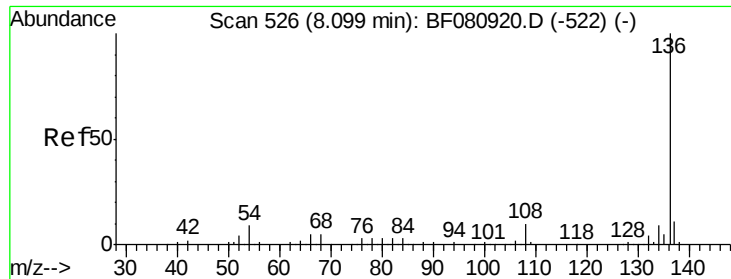
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

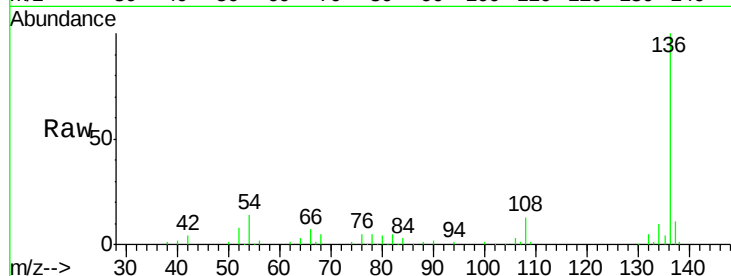




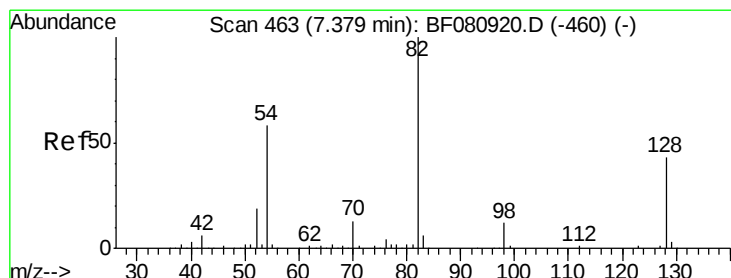
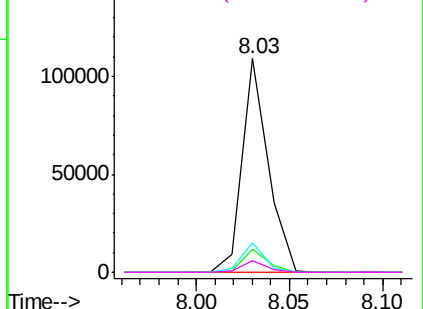
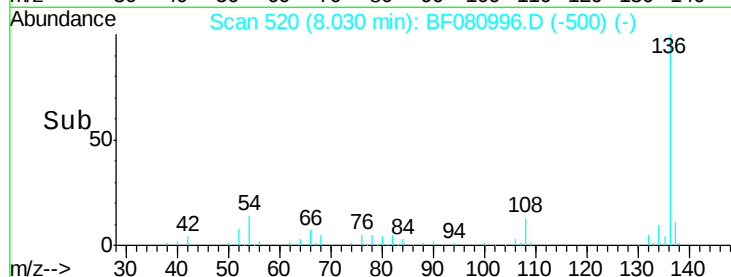
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.07 min
Lab File: BF080996.D
Acq: 14 Aug 2015 00:50

Instrument :
BNA_F
ClientSampleId :
PB84967BL

Tot Ion:136	Resp:	105461
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.5 12.7
54	13.5	7.1 10.7#
68	5.3	3.8 5.8

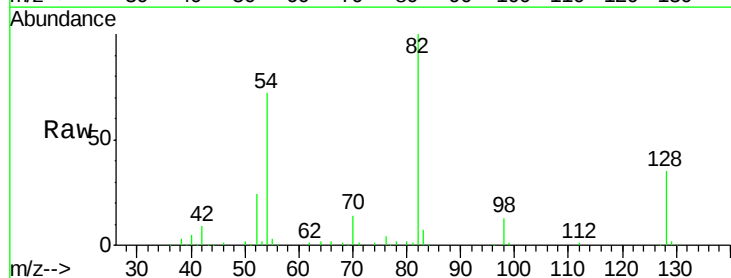


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

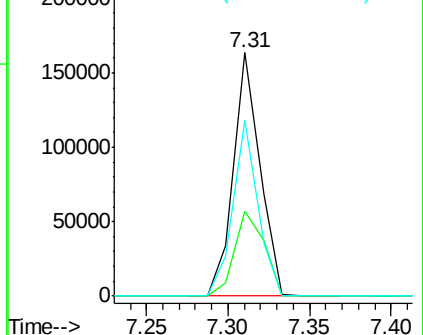
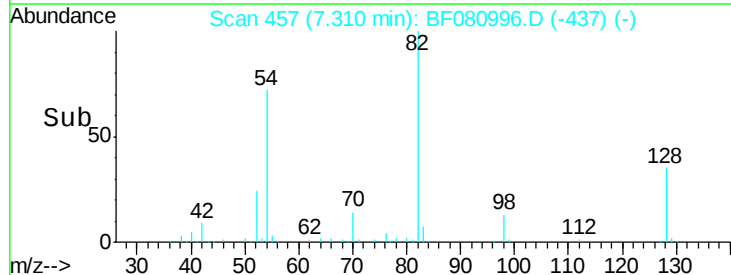


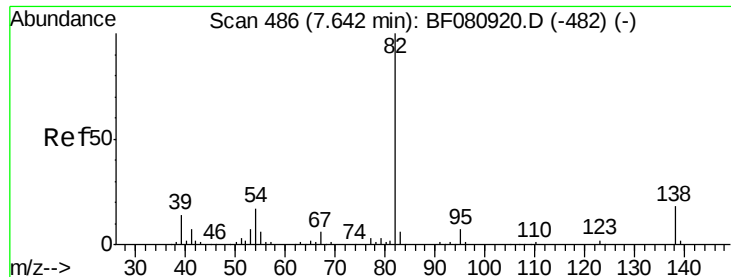
#23
Nitrobenzene-d5
Concen: 82.03 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.07 min
Lab File: BF080996.D
Acq: 14 Aug 2015 00:50

Tgt Ion: 82	Resp:	182894
Ion Ratio	Lower	Upper
82	100	
128	35.0	34.1 51.1
54	72.4	46.5 69.7#



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: 37.23 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.33 min

Lab File: BF080996.D

Acq: 14 Aug 2015 00:50

Instrument :

BNA_F

ClientSampleId :

PB84967BL

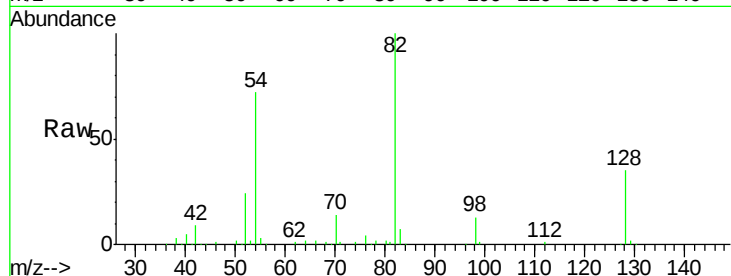
Tot Ion: 82 Resp: 159619

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 14.1 21.1#

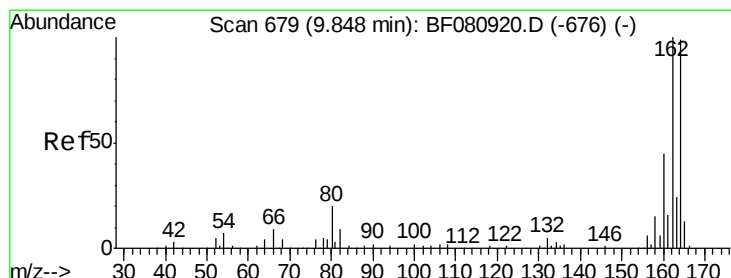
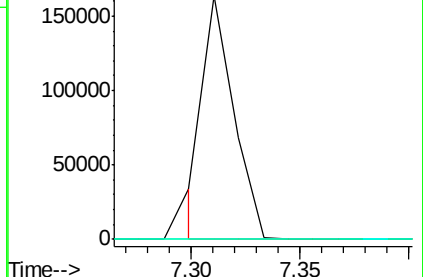
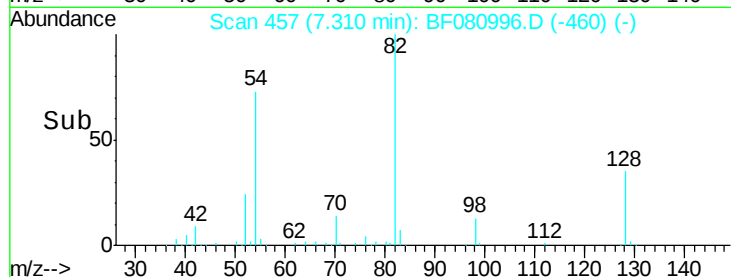


Abundance Ion 82.00 (81.70 to 82.70): BF080996.D (-460) (-)

Ion 95.00 (94.70 to 95.70): BF080996.D (-460) (-)

Ion 138.00 (137.70 to 138.70): BF080996.D (-460) (-)

Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.07 min

Lab File: BF080996.D

Acq: 14 Aug 2015 00:50

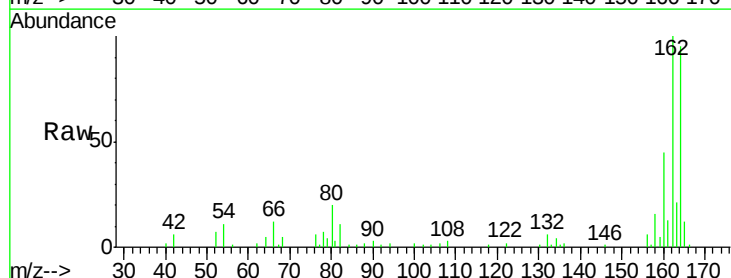
Tgt Ion: 164 Resp: 50774

Ion Ratio Lower Upper

164 100

162 105.7 80.5 120.7

160 47.4 36.6 54.8

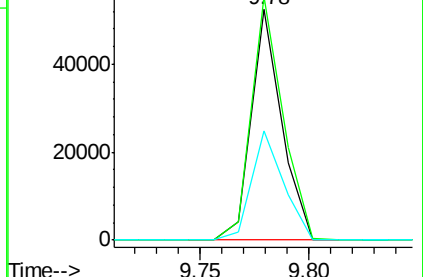
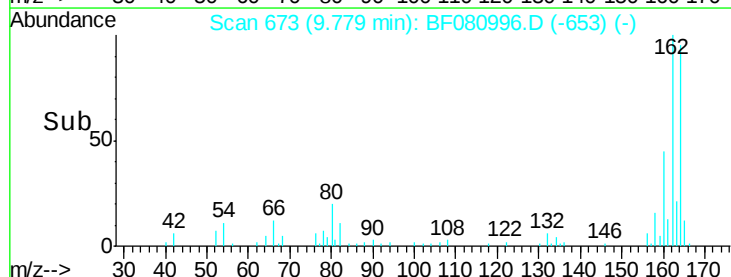


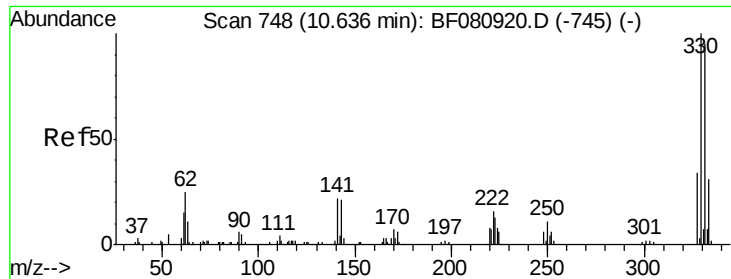
Abundance Ion 164.00 (163.70 to 164.70): BF080996.D (-653) (-)

Ion 162.00 (161.70 to 162.70): BF080996.D (-653) (-)

Ion 160.00 (159.70 to 160.70): BF080996.D (-653) (-)

Time-->

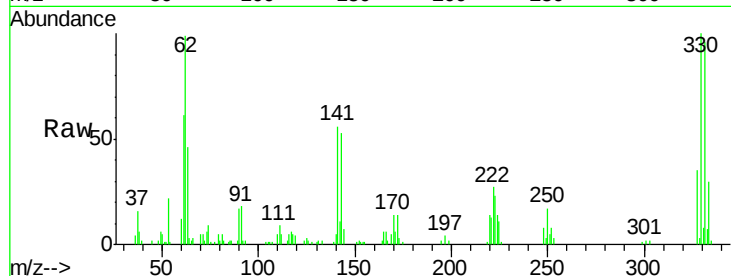




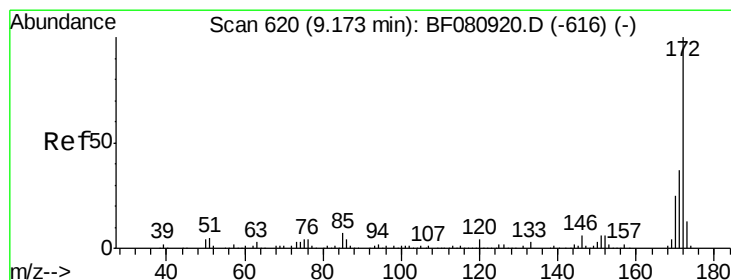
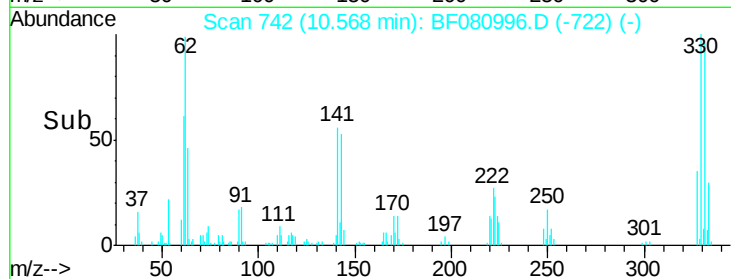
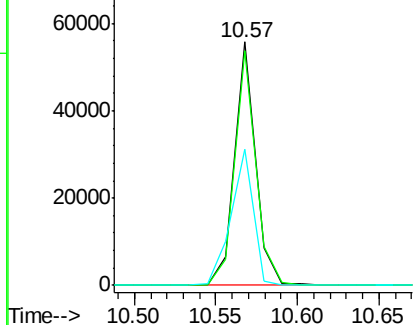
#41
 2,4,6-Tribromophenol
 Concen: 88.27 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.07 min
 Lab File: BF080996.D
 Acq: 14 Aug 2015 00:50

Instrument :
 BNA_F
 ClientSampleId :
 PB84967BL

Tot Ion:330 Resp: 49240
 Ion Ratio Lower Upper
 330 100
 332 96.3 76.2 114.4
 141 59.7 27.8 41.8#

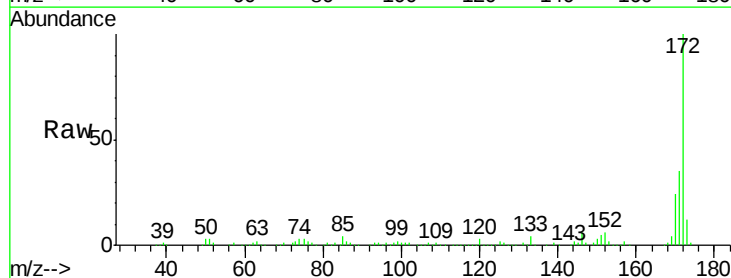


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

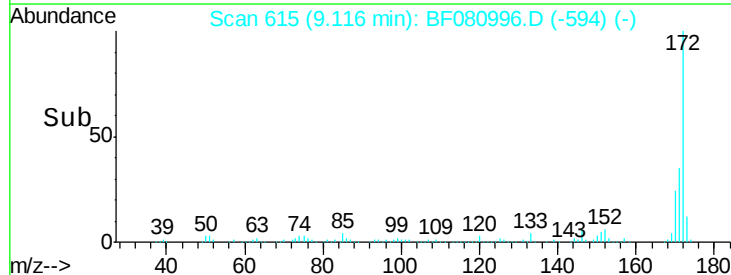
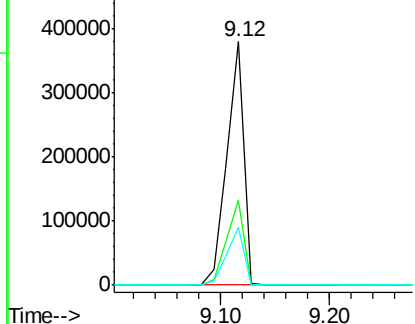


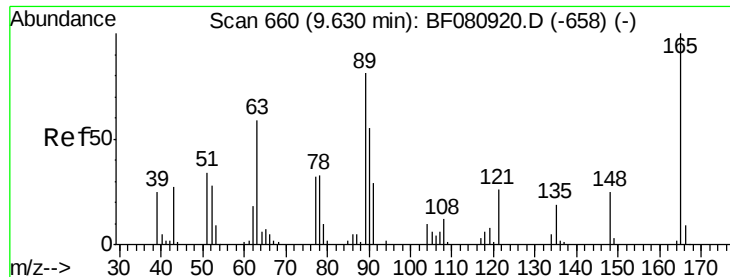
#44
 2-Fluorobiphenyl
 Concen: 112.50 ng
 RT: 9.12 min Scan# 615
 Delta R.T. -0.06 min
 Lab File: BF080996.D
 Acq: 14 Aug 2015 00:50

Tgt Ion:172 Resp: 405736
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.4 44.0
 170 23.9 19.7 29.5



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

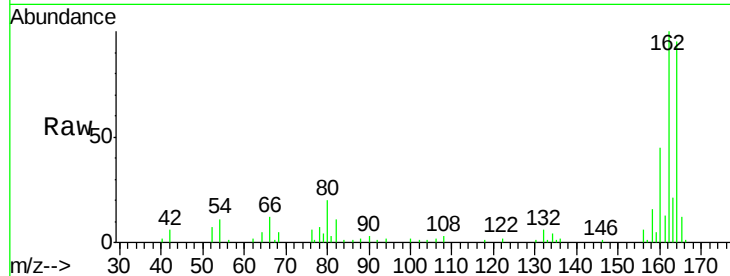




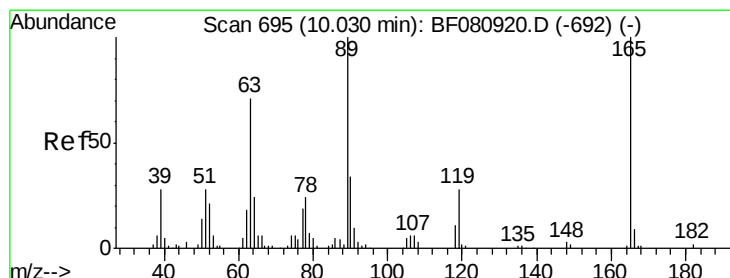
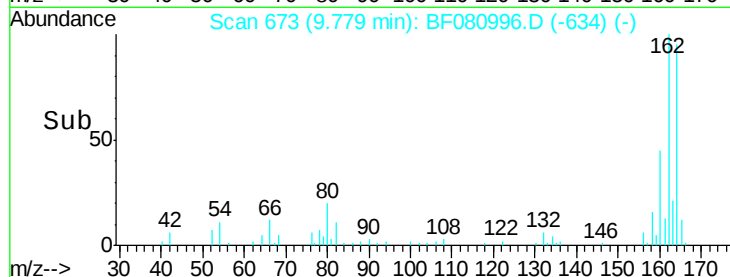
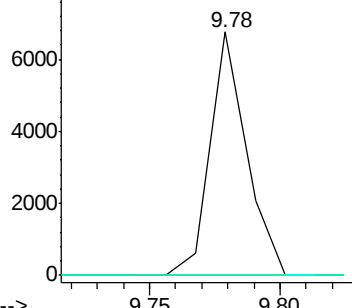
#50
 2,6-Dinitrotoluene
 Concen: 7.44 ng
 RT: 9.78 min Scan# 673
 Delta R.T. 0.15 min
 Lab File: BF080996.D
 Acq: 14 Aug 2015 00:50

Instrument :
 BNA_F
 ClientSampleId :
 PB84967BL

Tot Ion:165 Resp: 6484
 Ion Ratio Lower Upper
 165 100
 63 0.0 77.6 116.4#
 89 0.0 64.5 96.7#



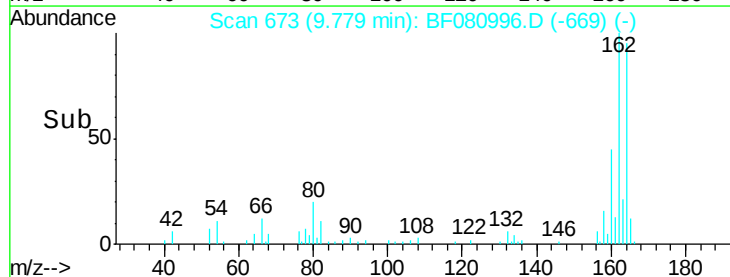
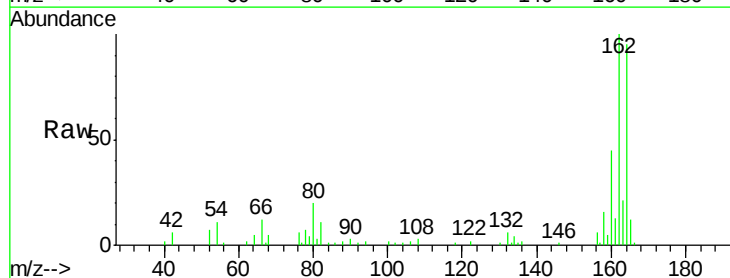
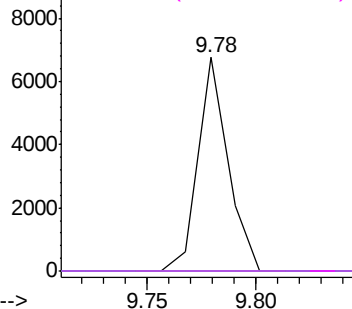
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

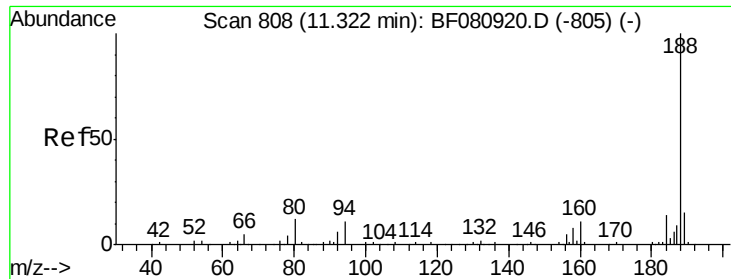


#56
 2,4-Dinitrotoluene
 Concen: 5.56 ng
 RT: 9.78 min Scan# 673
 Delta R.T. -0.25 min
 Lab File: BF080996.D
 Acq: 14 Aug 2015 00:50

Tgt Ion:165 Resp: 6485
 Ion Ratio Lower Upper
 165 100
 63 0.0 56.7 85.1#
 89 0.0 80.4 120.6#
 182 0.0 1.5 2.3#

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

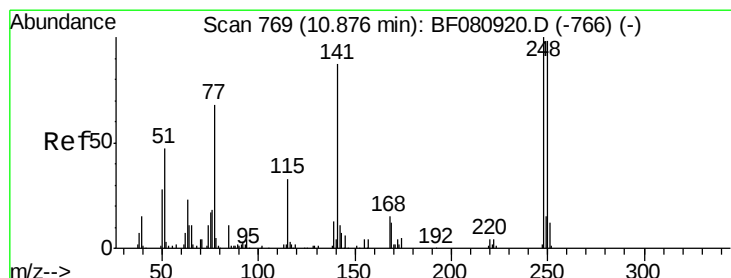
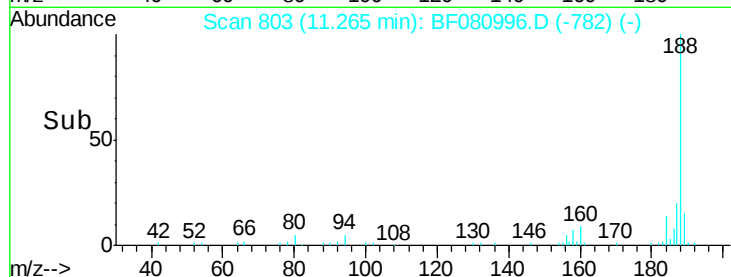
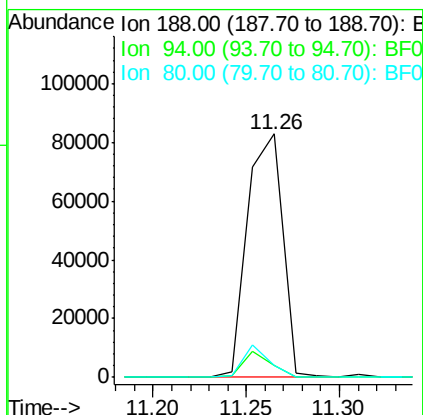
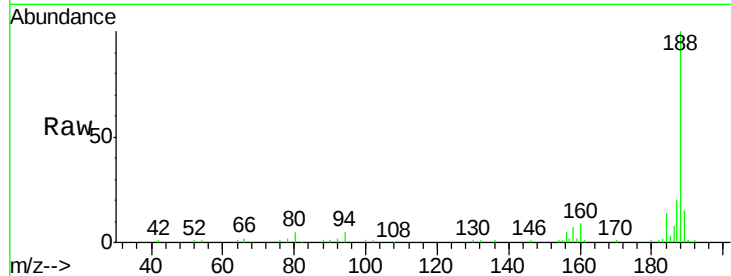




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 803
Delta R.T. -0.06 min
Lab File: BF080996.D
Acq: 14 Aug 2015 00:50

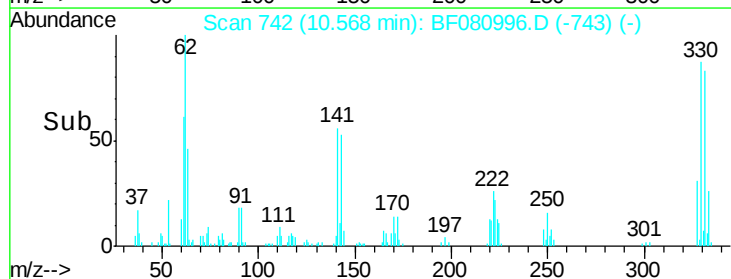
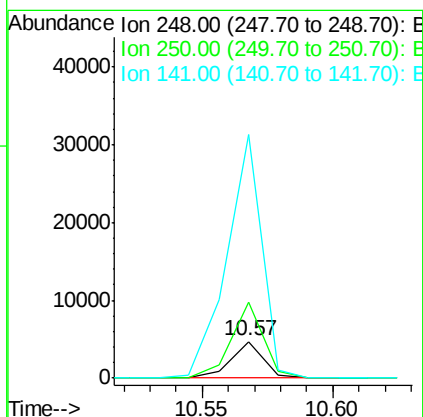
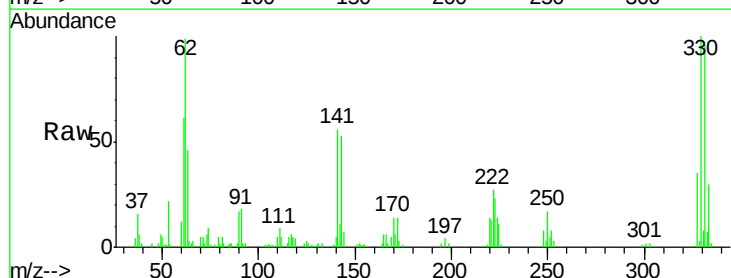
Instrument :
BNA_F
ClientSampleId :
PB84967BL

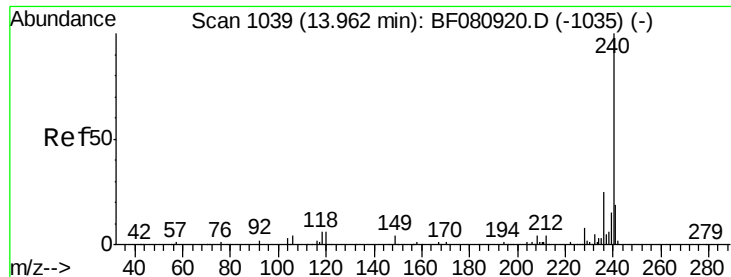
Tot Ion:188 Resp: 108337
Ion Ratio Lower Upper
188 100
94 4.8 8.8 13.2#
80 4.9 9.5 14.3#



#66
4-Bromophenyl-phenylether
Concen: 3.60 ng
RT: 10.57 min Scan# 742
Delta R.T. -0.31 min
Lab File: BF080996.D
Acq: 14 Aug 2015 00:50

Tgt Ion:248 Resp: 4133
Ion Ratio Lower Upper
248 100
250 207.3 78.1 117.1#
141 666.8 69.6 104.4#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.88 min Scan# 1032

Delta R.T. -0.08 min

Lab File: BF080996.D

Acq: 14 Aug 2015 00:50

Instrument :

BNA_F

ClientSampled :

PB84967BL

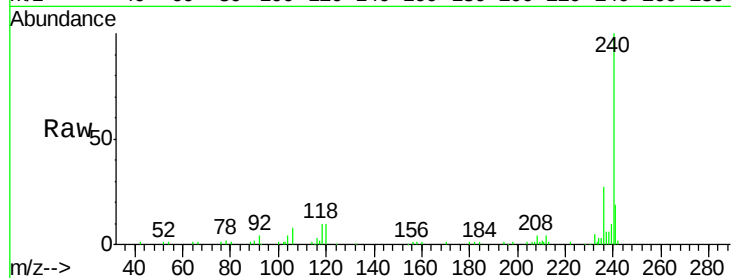
Tot Ion:240 Resp: 84554

Ion Ratio Lower Upper

240 100

120 10.0 5.2 7.8#

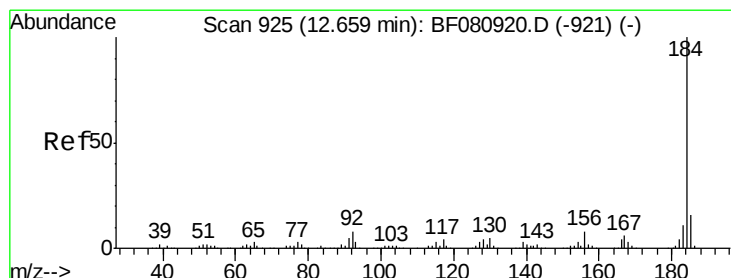
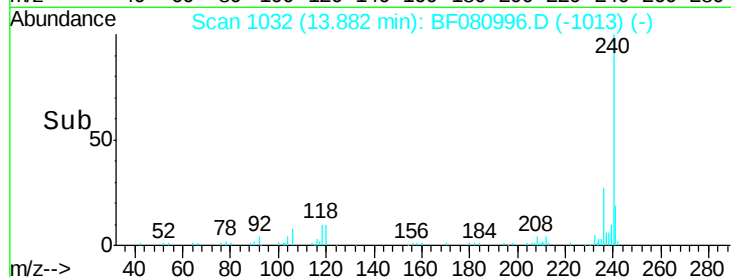
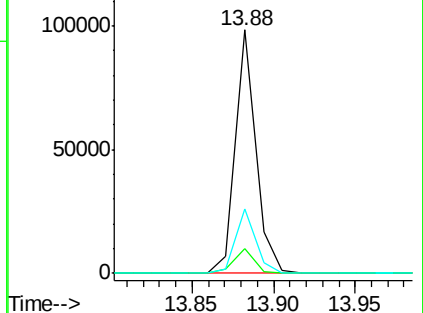
236 26.6 20.2 30.4



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



#76

Benzidine

Concen: 2.34 ng

RT: 12.59 min Scan# 919

Delta R.T. -0.07 min

Lab File: BF080996.D

Acq: 14 Aug 2015 00:50

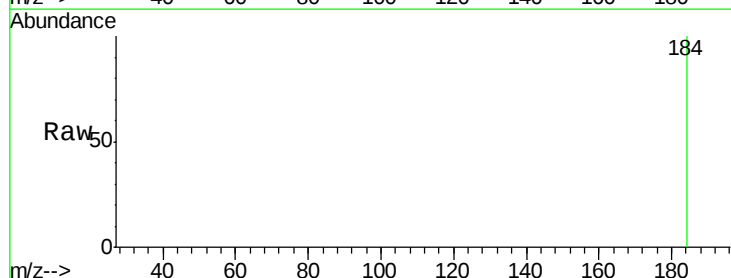
Tgt Ion:184 Resp: 368

Ion Ratio Lower Upper

184 100

185 0.0 13.0 19.4#

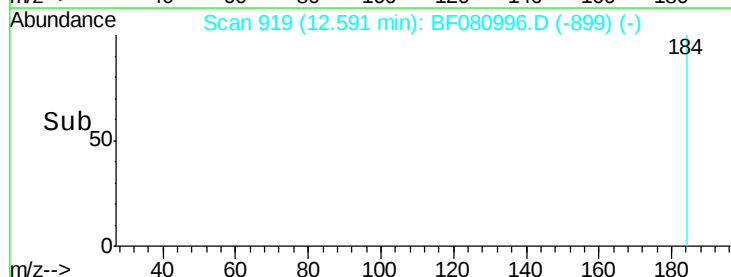
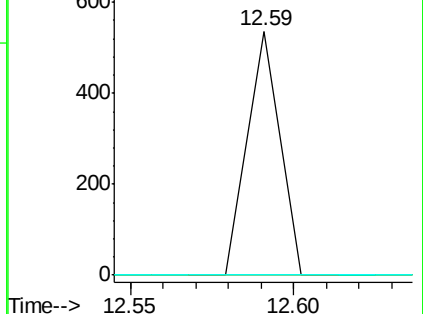
183 0.0 8.7 13.1#

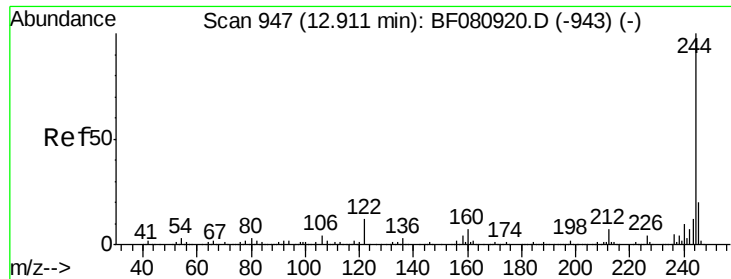


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

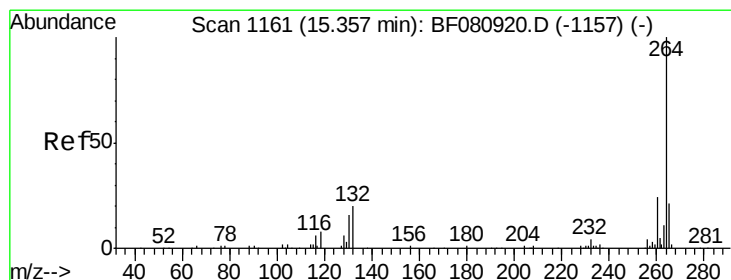
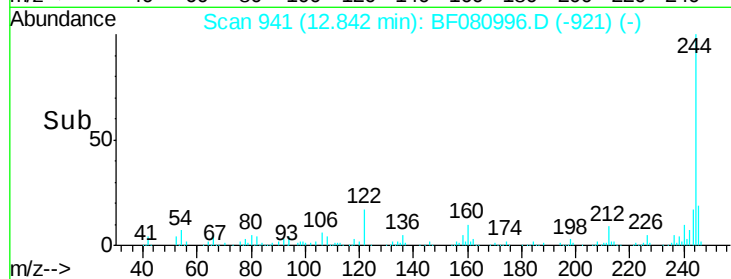
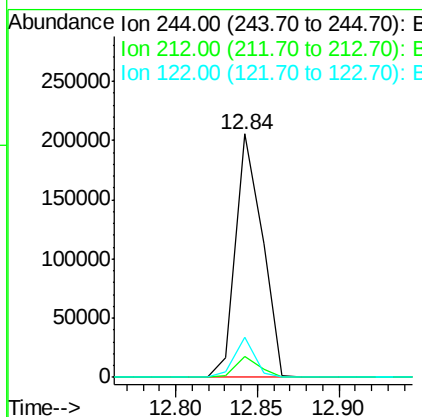
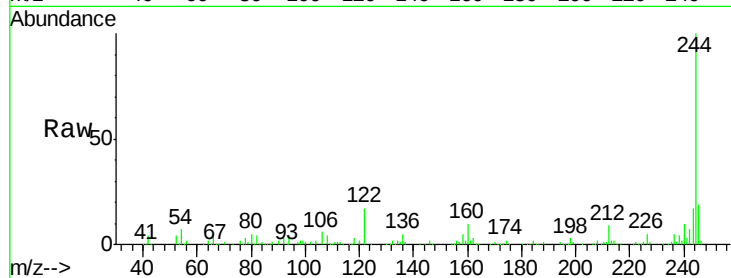




#78
 Terphenyl-d14
 Concen: 56.34 ng
 RT: 12.84 min Scan# 941
 Delta R.T. -0.07 min
 Lab File: BF080996.D
 Acq: 14 Aug 2015 00:50

Instrument :
 BNA_F
 ClientSampleID :
 PB84967BL

Tot Ion:244 Resp: 230644
 Ion Ratio Lower Upper
 244 100
 212 8.7 5.8 8.8
 122 16.7 9.4 14.2#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.28 min Scan# 1154
 Delta R.T. -0.08 min
 Lab File: BF080996.D
 Acq: 14 Aug 2015 00:50

Tgt Ion:264 Resp: 55817
 Ion Ratio Lower Upper
 264 100
 260 25.2 19.4 29.0
 265 20.3 17.0 25.4

