

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081315\
 Data File : BF080998.D
 Acq On : 14 Aug 2015 1:52
 Operator : UM/IZ
 Sample : PB84967TB
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB84967TB

Quant Time: Aug 14 02:55:25 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

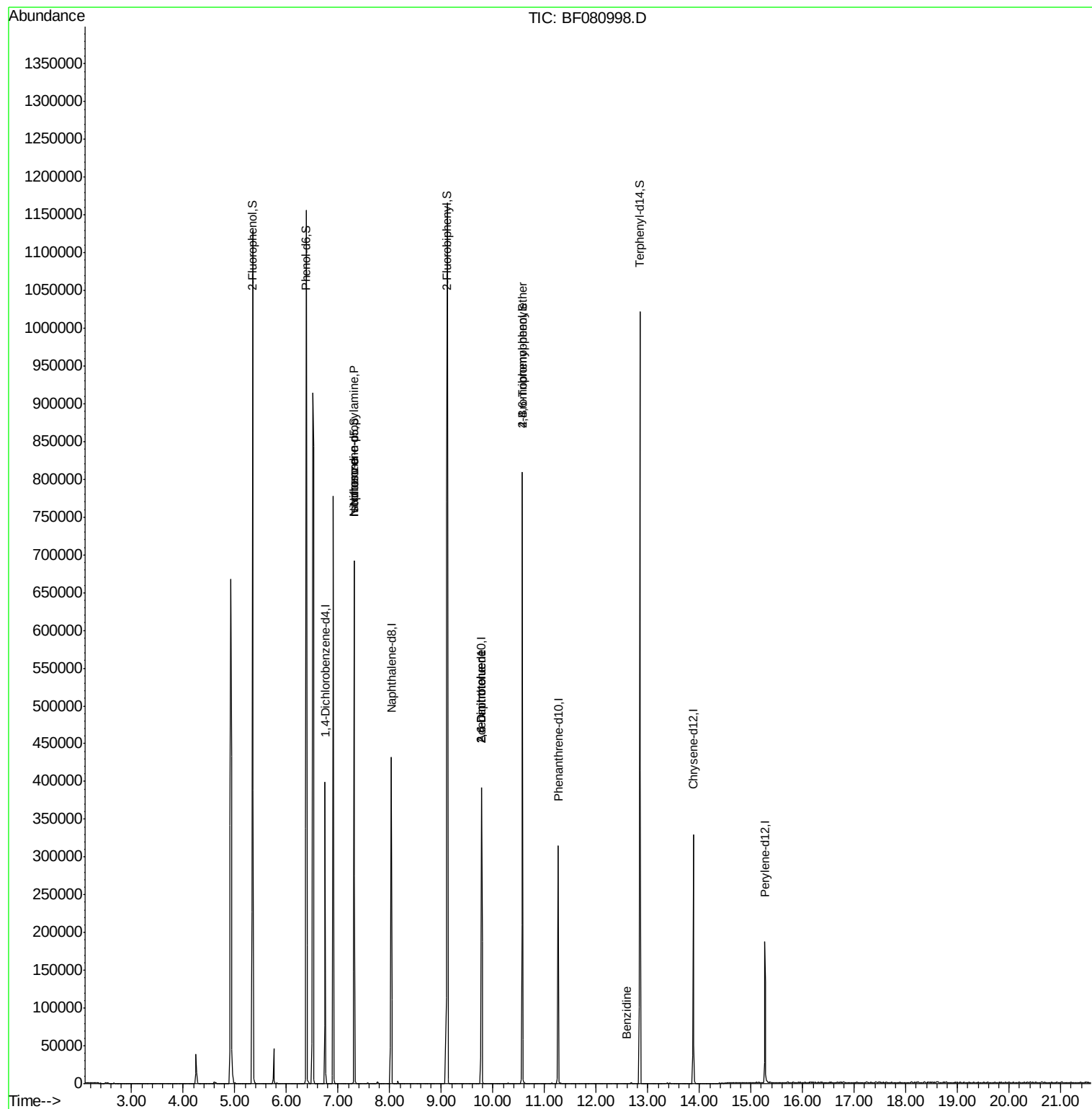
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	51857	20.00	ng	-0.06
21) Naphthalene-d8	8.03	136	186660	20.00	ng	-0.07
38) Acenaphthene-d10	9.78	164	86404	20.00	ng	-0.07
63) Phenanthrene-d10	11.27	188	175265	20.00	ng	-0.06
75) Chrysene-d12	13.88	240	109229	20.00	ng	-0.08
86) Perylene-d12	15.27	264	96843	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	294450	92.77	ng	-0.03
7) Phenol-d6	6.38	99	368432	84.71	ng	-0.06
23) Nitrobenzene-d5	7.31	82	251822	63.81	ng	-0.07
41) 2,4,6-Tribromophenol	10.57	330	63897	67.31	ng	-0.07
44) 2-Fluorobiphenyl	9.12	172	477969	77.88	ng	-0.06
78) Terphenyl-d14	12.84	244	339022	64.11	ng	-0.07
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.31	70	33029	10.39	ng	# 85
25) Isophorone	7.31	82	218445	28.78	ng	# 65
50) 2,6-Dinitrotoluene	9.78	165	10998	7.42	ng	# 5
56) 2,4-Dinitrotoluene	9.78	165	10996	5.54	ng	# 7
66) 4-Bromophenyl-phenylether	10.57	248	5203	2.80	ng	# 1
76) Benzidine	12.59	184	211	2.31	ng	# 66

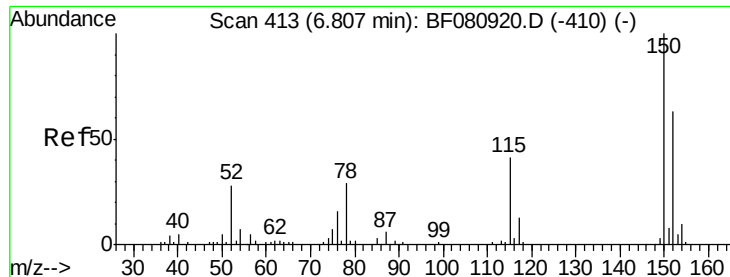
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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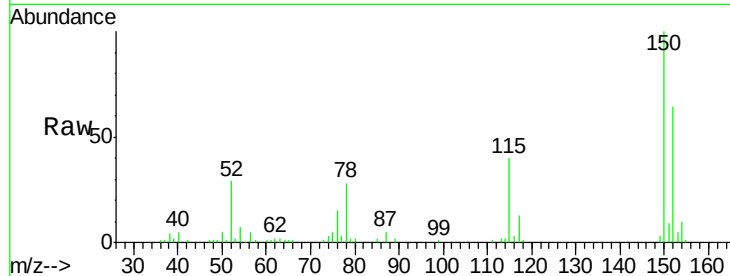


#1

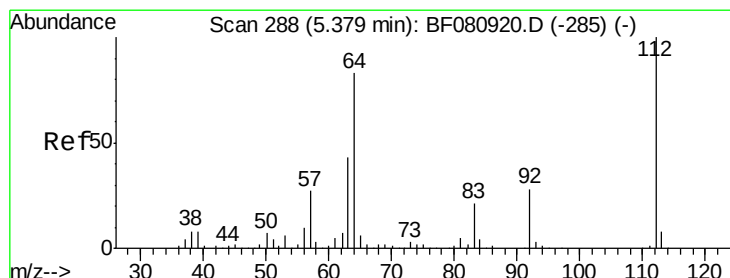
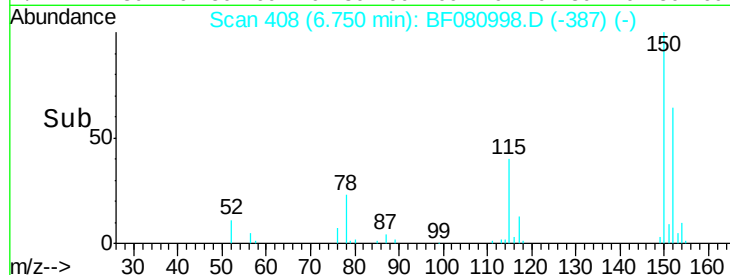
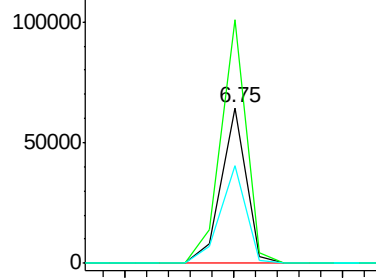
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.75 min Scan# 408
Delta R.T. -0.06 min
Lab File: BF080998.D
Acq: 14 Aug 2015 1:52

Instrument :
BNA_F
ClientSampleId :
PB84967TB

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	127.4	191.2
115	62.9	52.6	78.8



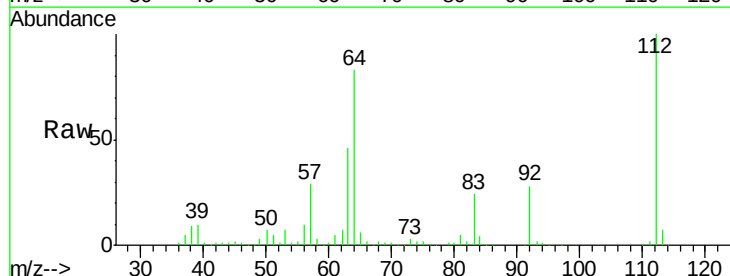
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



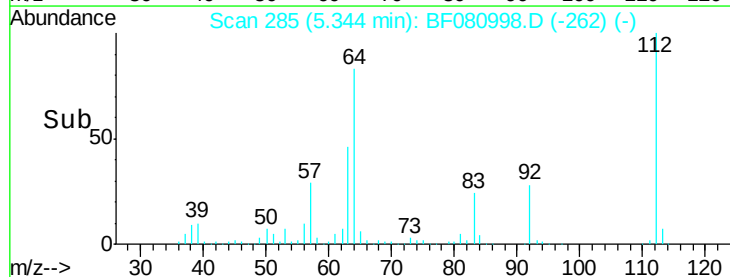
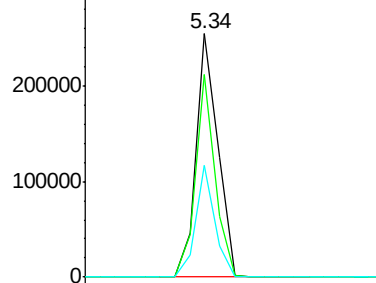
#5

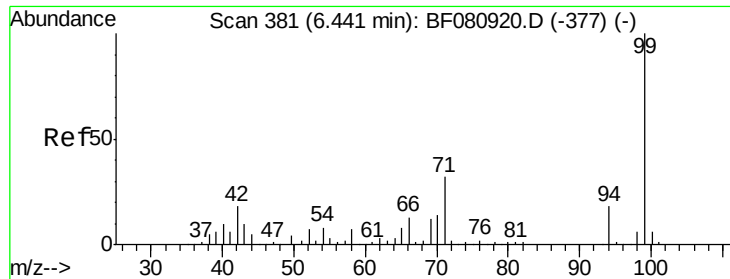
2-Fluorophenol
Concen: 92.77 ng
RT: 5.34 min Scan# 285
Delta R.T. -0.03 min
Lab File: BF080998.D
Acq: 14 Aug 2015 1:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	83.5	66.1	99.1
63	45.7	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: 84.71 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.06 min

Lab File: BF080998.D

Acq: 14 Aug 2015 1:52

Instrument :

BNA_F

ClientSampleId :

PB84967TB

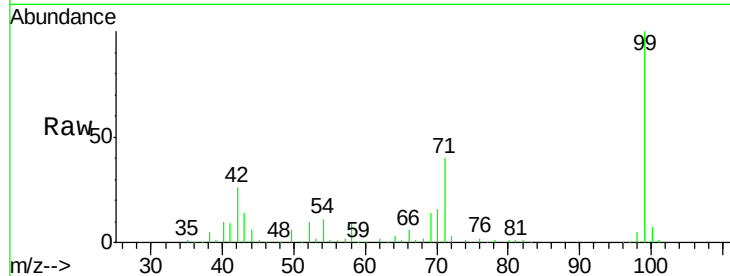
Tot Ion: 99 Resp: 368432

Ion Ratio Lower Upper

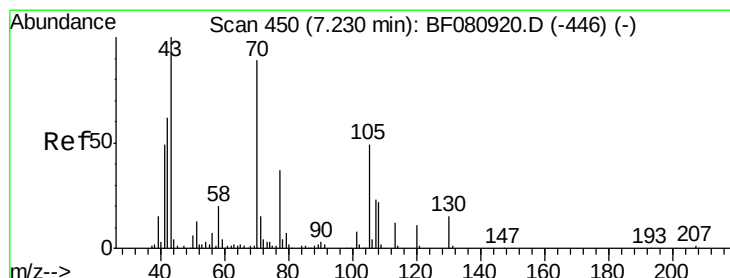
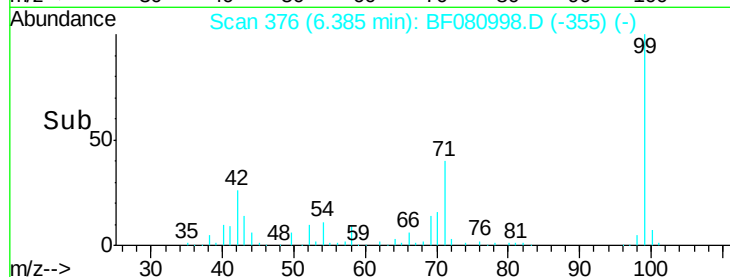
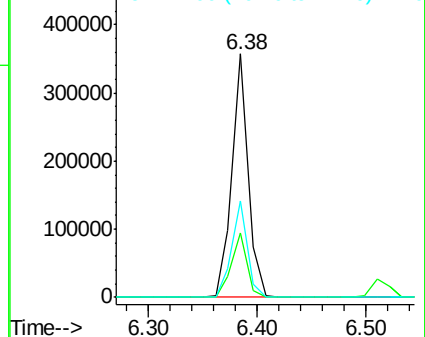
99 100

42 26.5 14.4 21.6#

71 39.8 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: 10.39 ng

RT: 7.31 min Scan# 457

Delta R.T. 0.08 min

Lab File: BF080998.D

Acq: 14 Aug 2015 1:52

Tgt Ion: 70 Resp: 33029

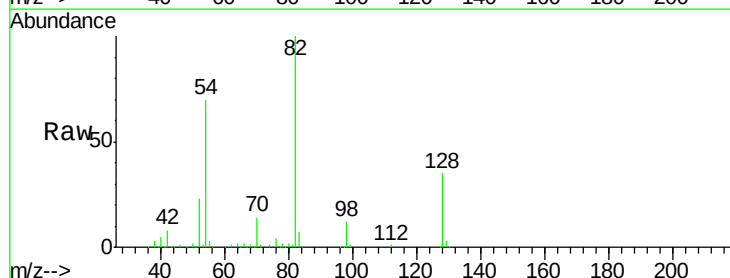
Ion Ratio Lower Upper

70 100

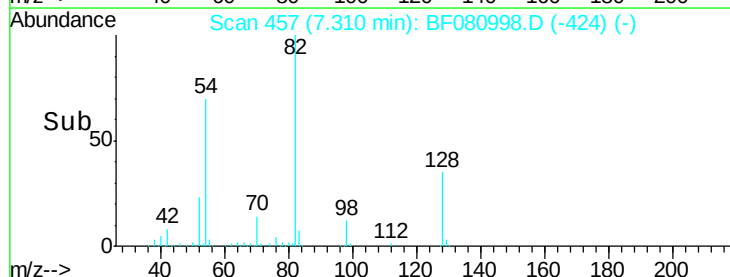
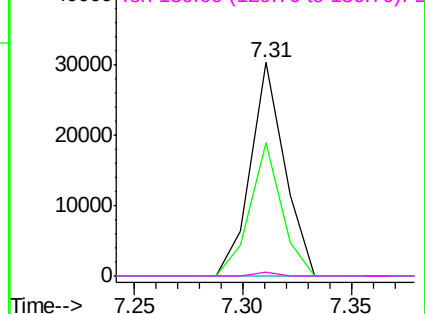
42 62.4 55.7 83.5

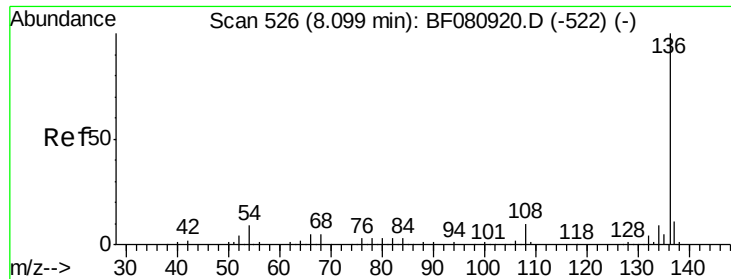
101 0.0 7.0 10.6#

130 1.7 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

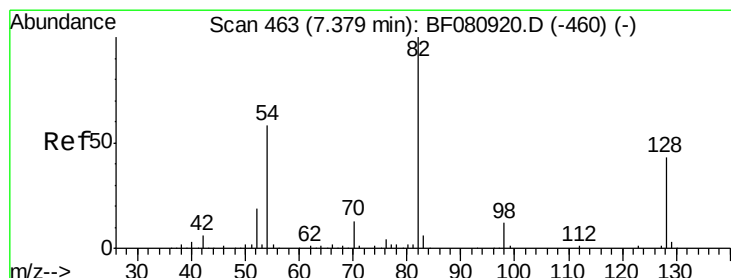
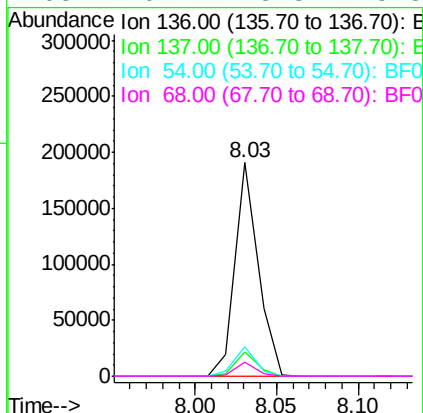
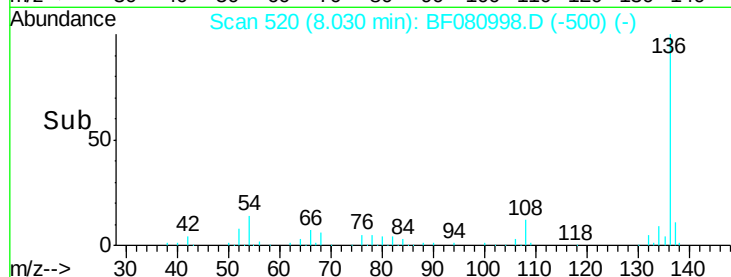
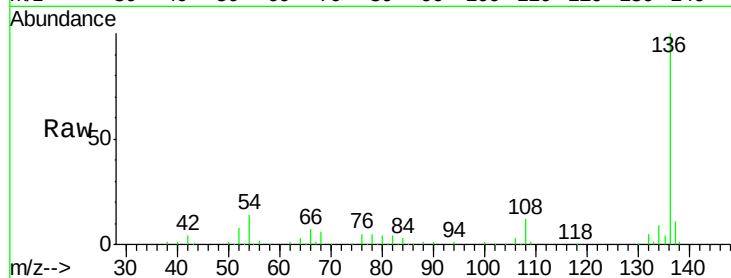




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.07 min
Lab File: BF080998.D
Acq: 14 Aug 2015 1:52

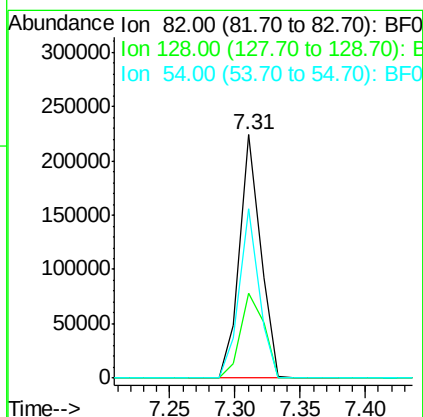
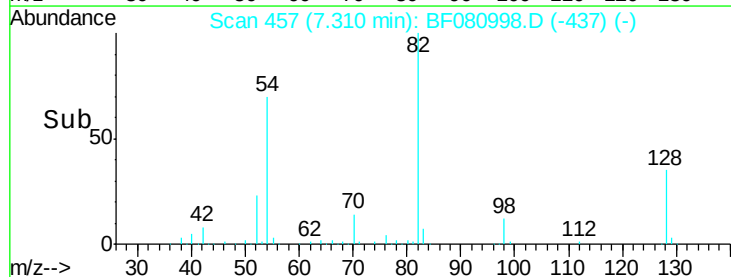
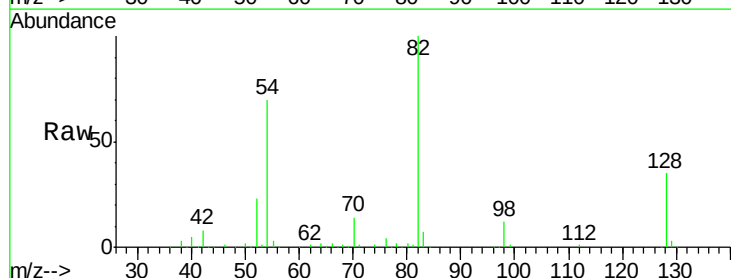
Instrument :
BNA_F
ClientSampleId :
PB84967TB

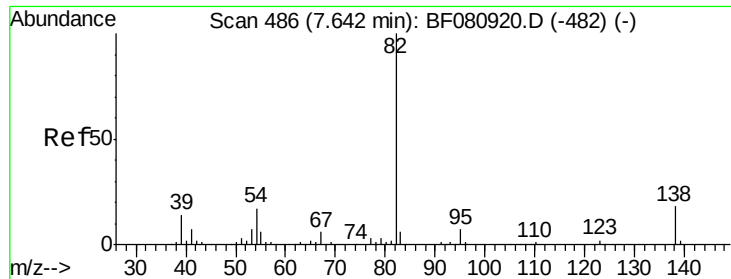
Tot Ion:136	Resp:	186660
Ion Ratio	Lower	Upper
136	100	
137	11.4	8.5 12.7
54	13.9	7.1 10.7#
68	6.4	3.8 5.8#



#23
Nitrobenzene-d5
Concen: 63.81 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.07 min
Lab File: BF080998.D
Acq: 14 Aug 2015 1:52

Tgt Ion: 82	Resp:	251822
Ion Ratio	Lower	Upper
82	100	
128	35.1	34.1 51.1
54	69.5	46.5 69.7





#25

Isophorone

Concen: 28.78 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.33 min

Lab File: BF080998.D

Acq: 14 Aug 2015 1:52

Instrument :

BNA_F

ClientSampleId :

PB84967TB

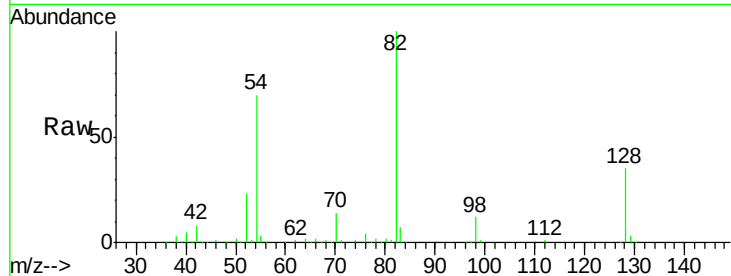
Tot Ion: 82 Resp: 218445

Ion Ratio Lower Upper

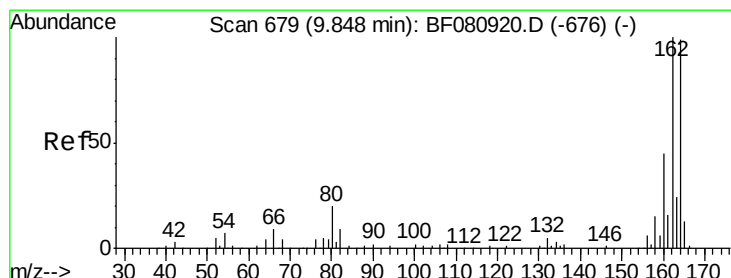
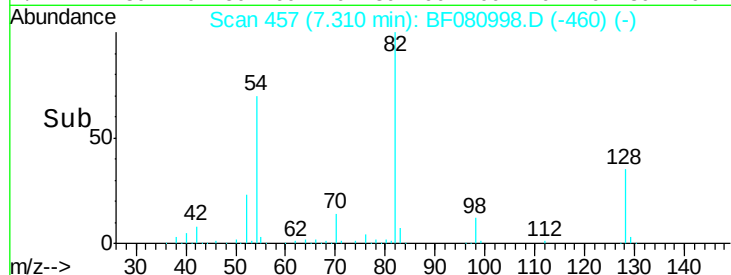
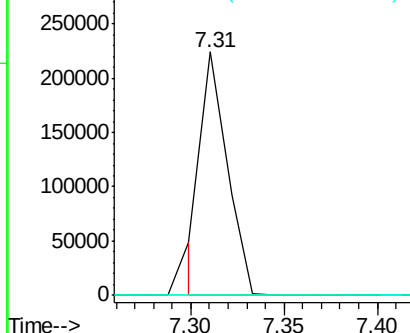
82 100

95 0.0 5.8 8.6#

138 0.0 14.1 21.1#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.07 min

Lab File: BF080998.D

Acq: 14 Aug 2015 1:52

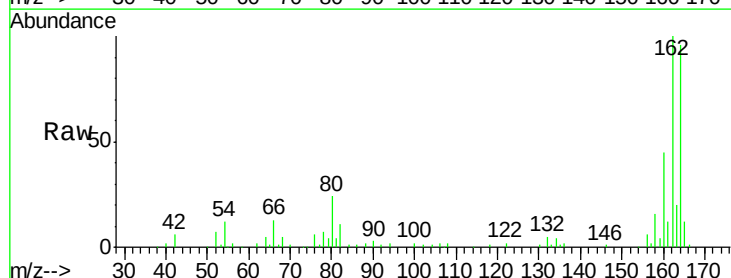
Tgt Ion:164 Resp: 86404

Ion Ratio Lower Upper

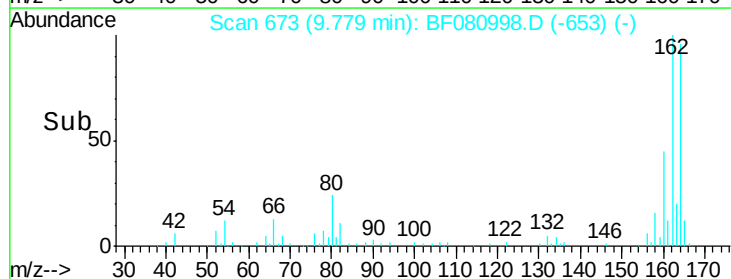
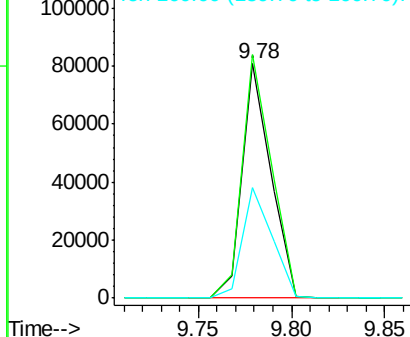
164 100

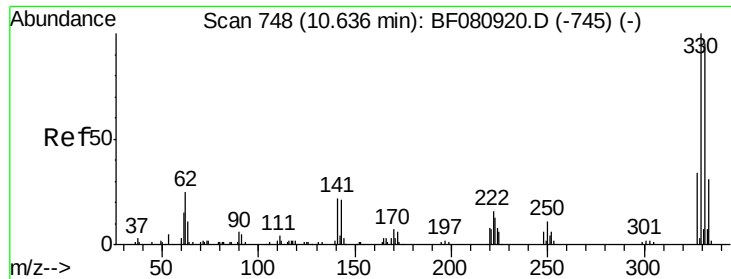
162 103.9 80.5 120.7

160 47.0 36.6 54.8



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

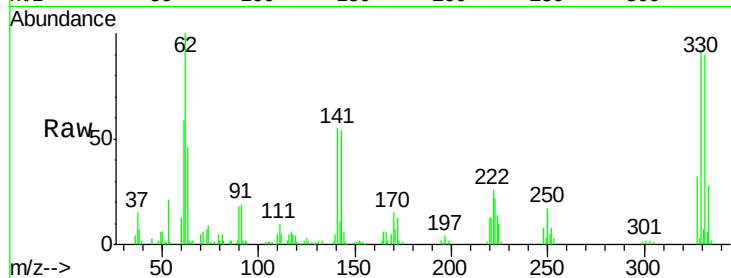




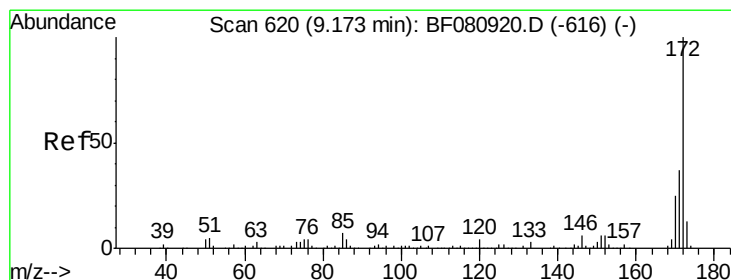
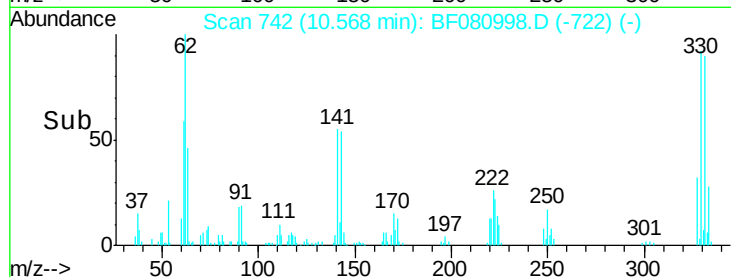
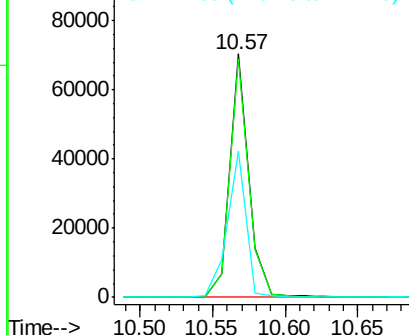
#41
 2,4,6-Tribromophenol
 Concen: 67.31 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.07 min
 Lab File: BF080998.D
 Acq: 14 Aug 2015 1:52

Instrument :
 BNA_F
 ClientSampleId :
 PB84967TB

Tot Ion:330 Resp: 63897
 Ion Ratio Lower Upper
 330 100
 332 97.8 76.2 114.4
 141 59.6 27.8 41.8#

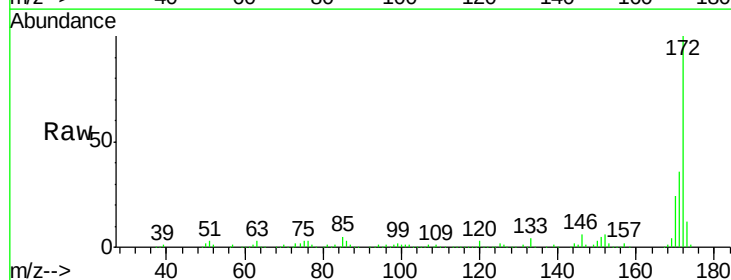


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

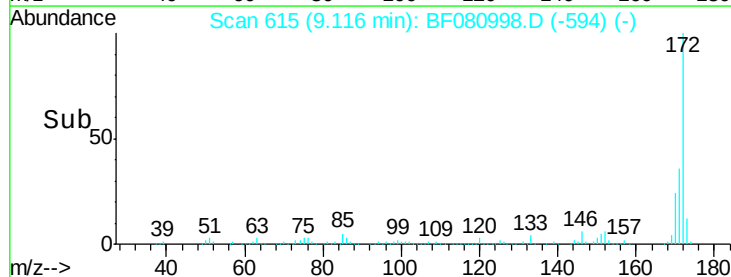
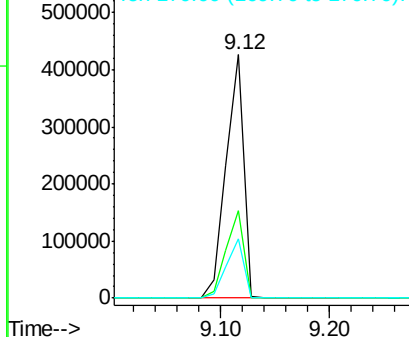


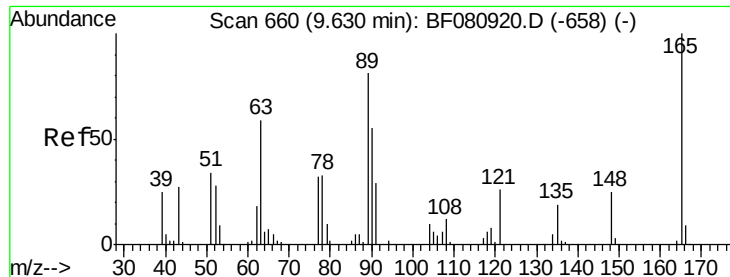
#44
 2-Fluorobiphenyl
 Concen: 77.88 ng
 RT: 9.12 min Scan# 615
 Delta R.T. -0.06 min
 Lab File: BF080998.D
 Acq: 14 Aug 2015 1:52

Tgt Ion:172 Resp: 477969
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.4 44.0
 170 24.1 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

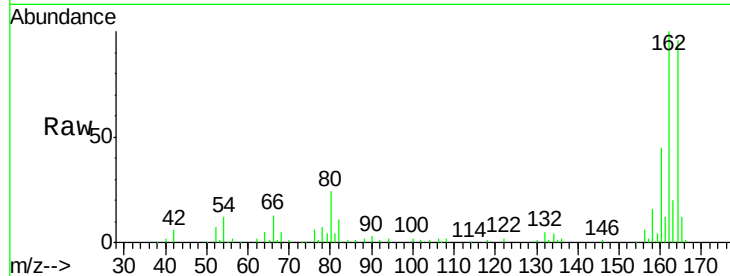




#50
 2,6-Dinitrotoluene
 Concen: 7.42 ng
 RT: 9.78 min Scan# 673
 Delta R.T. 0.15 min
 Lab File: BF080998.D
 Acq: 14 Aug 2015 1:52

Instrument :
 BNA_F
 ClientSampled :
 PB84967TB

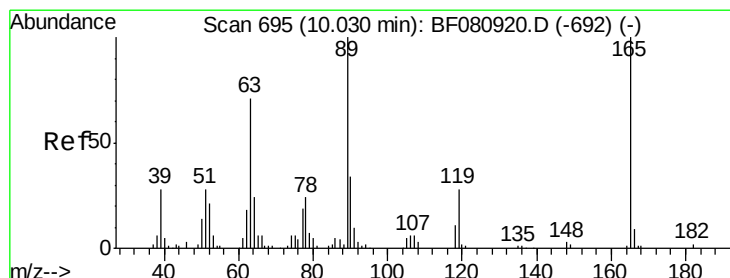
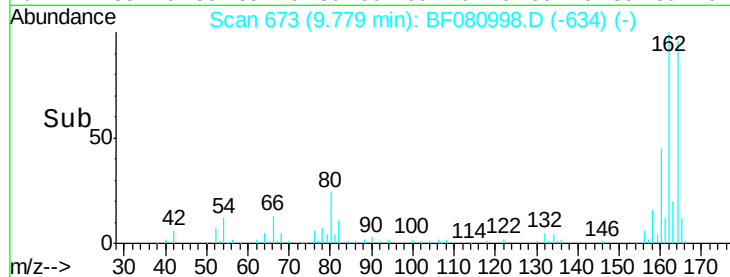
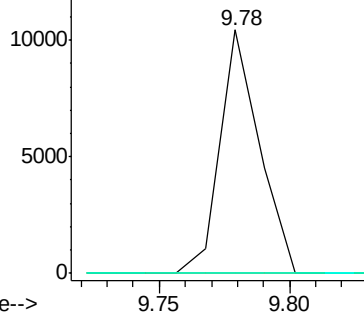
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	77.6	116.4#
89	0.0	64.5	96.7#



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: 5.54 ng
 RT: 9.78 min Scan# 673
 Delta R.T. -0.25 min
 Lab File: BF080998.D
 Acq: 14 Aug 2015 1:52

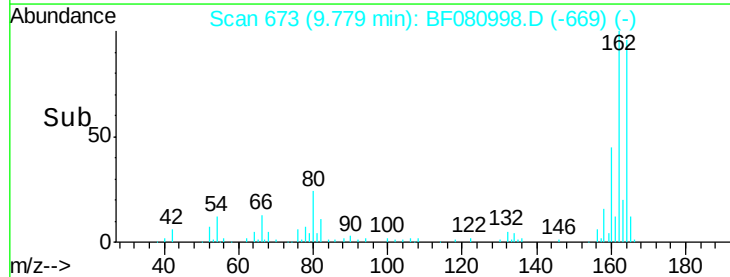
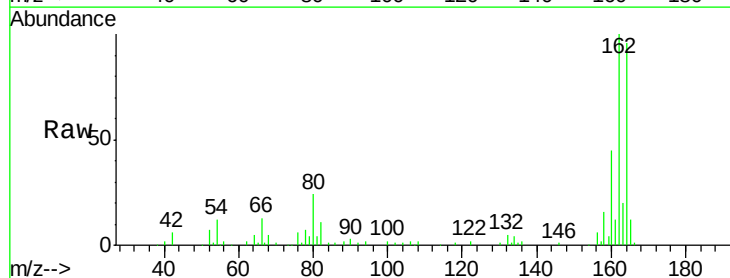
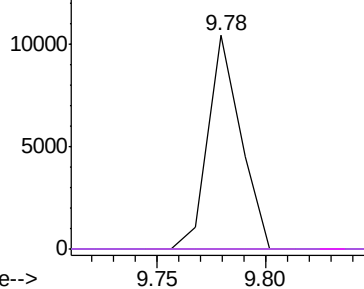
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	56.7	85.1#
89	0.0	80.4	120.6#
182	0.0	1.5	2.3#

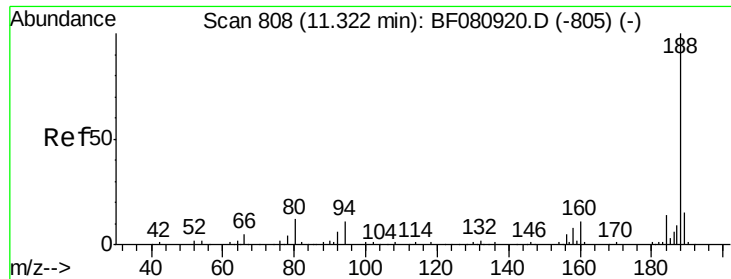
Abundance Ion 165.00 (164.70 to 165.70): E

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

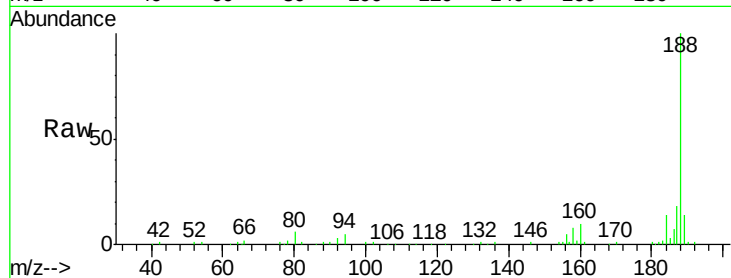




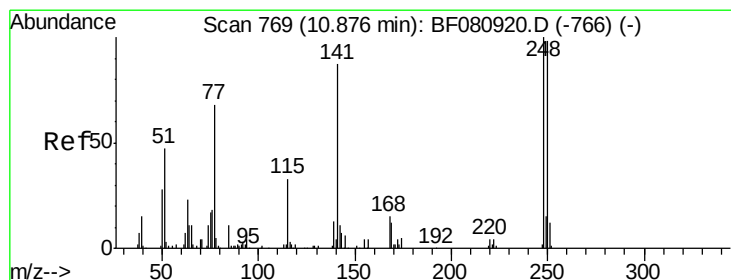
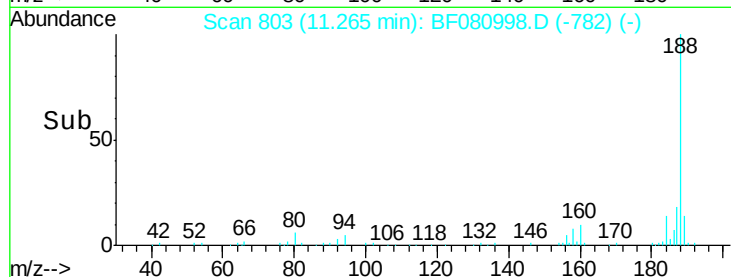
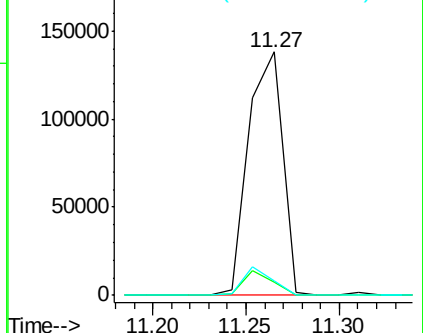
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.27 min Scan# 803
 Delta R.T. -0.06 min
 Lab File: BF080998.D
 Acq: 14 Aug 2015 1:52

Instrument :
 BNA_F
 ClientSampleId :
 PB84967TB

Tot Ion:188 Resp: 175265
 Ion Ratio Lower Upper
 188 100
 94 5.2 8.8 13.2#
 80 6.0 9.5 14.3#

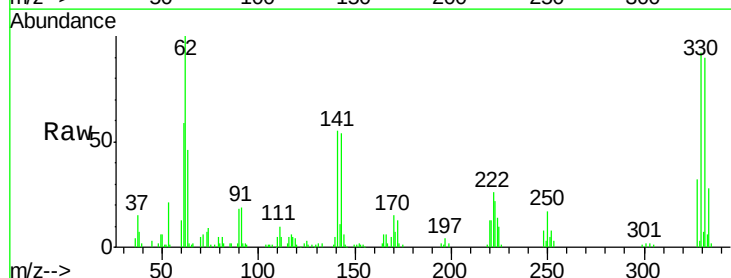


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

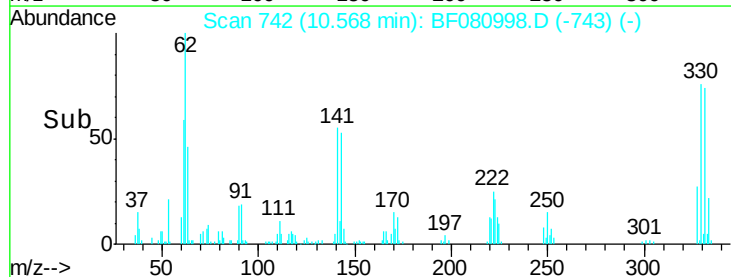
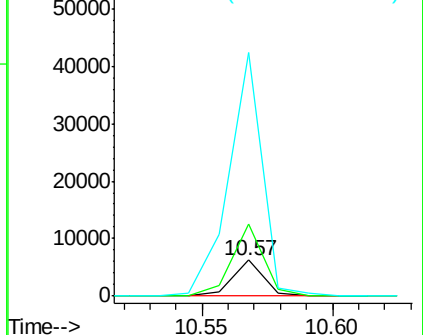


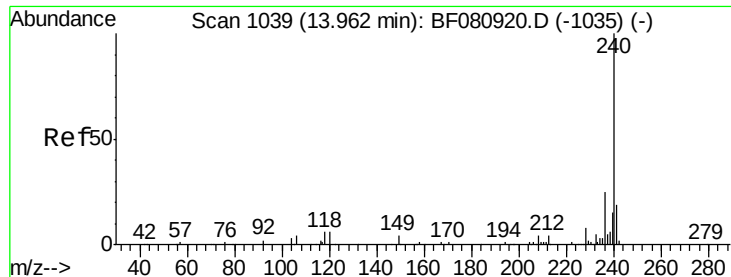
#66
 4-Bromophenyl-phenylether
 Concen: 2.80 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.31 min
 Lab File: BF080998.D
 Acq: 14 Aug 2015 1:52

Tgt Ion:248 Resp: 5203
 Ion Ratio Lower Upper
 248 100
 250 200.9 78.1 117.1#
 141 672.5 69.6 104.4#



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: 13.88 min Scan# 1032

Delta R.T. -0.08 min

Lab File: BF080998.D

Acq: 14 Aug 2015 1:52

Instrument :

BNA_F

ClientSampleId :

PB84967TB

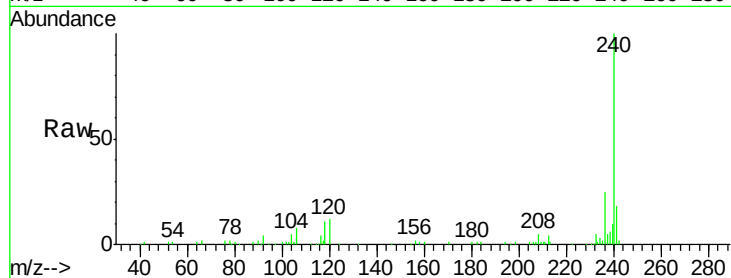
Tot Ion:240 Resp: 109229

Ion Ratio Lower Upper

240 100

120 11.5 5.2 7.8#

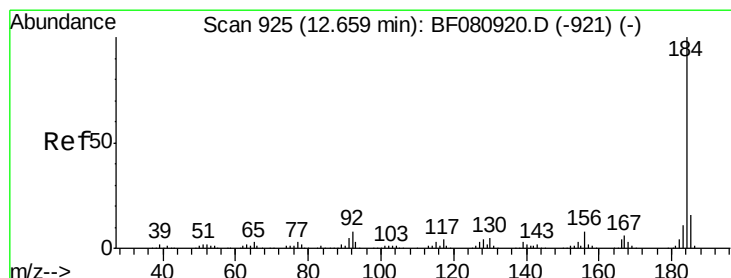
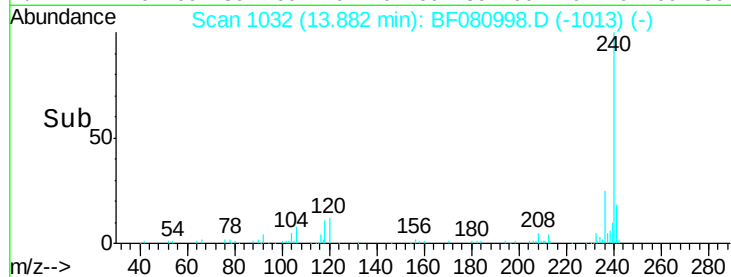
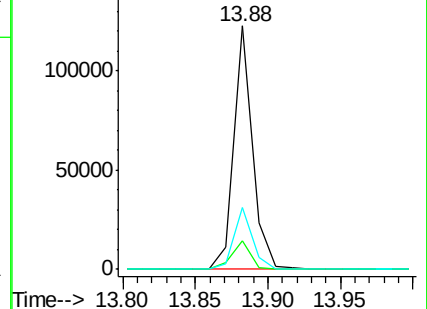
236 25.2 20.2 30.4



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: 2.31 ng

RT: 12.59 min Scan# 919

Delta R.T. -0.07 min

Lab File: BF080998.D

Acq: 14 Aug 2015 1:52

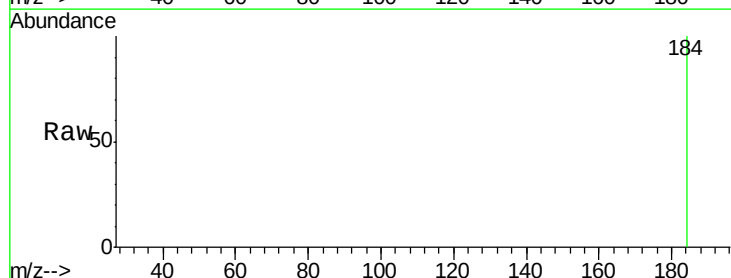
Tgt Ion:184 Resp: 211

Ion Ratio Lower Upper

184 100

185 0.0 13.0 19.4#

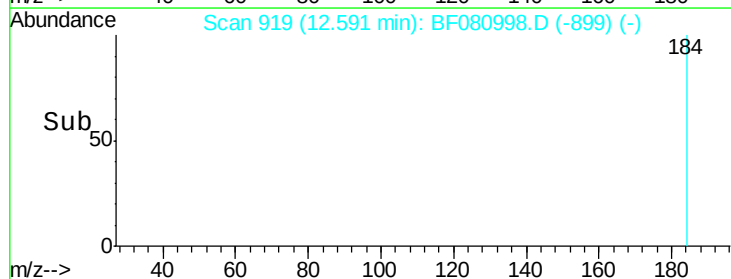
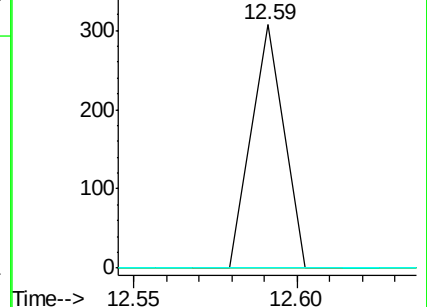
183 0.0 8.7 13.1#

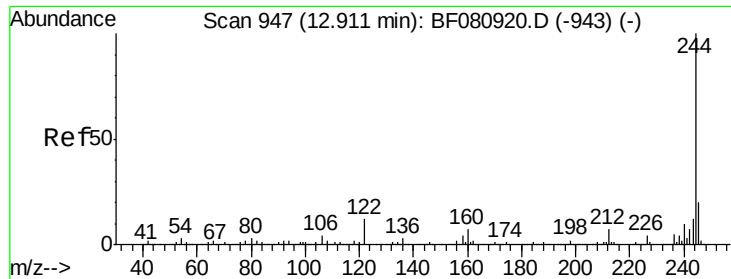


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

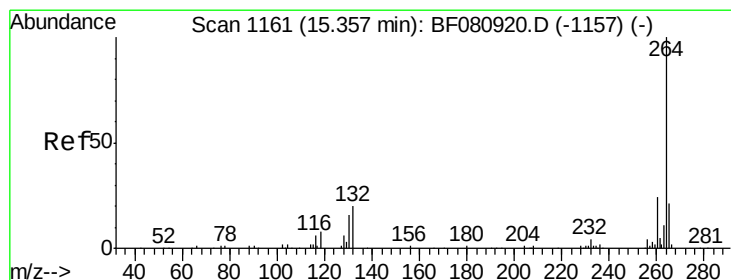
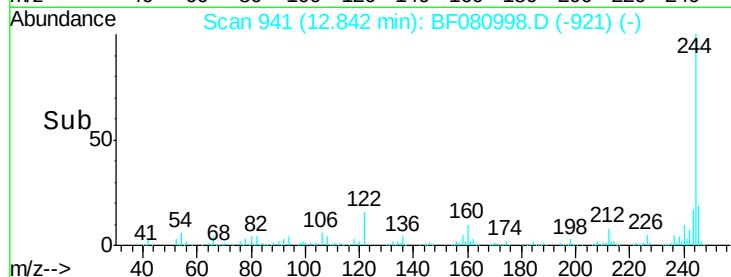
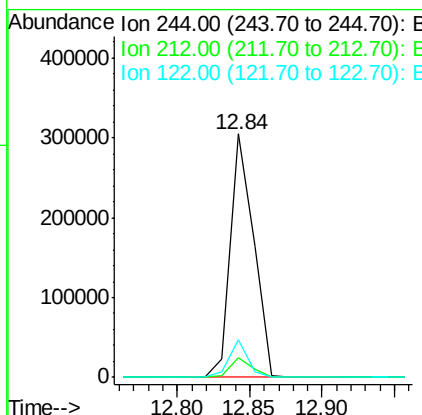
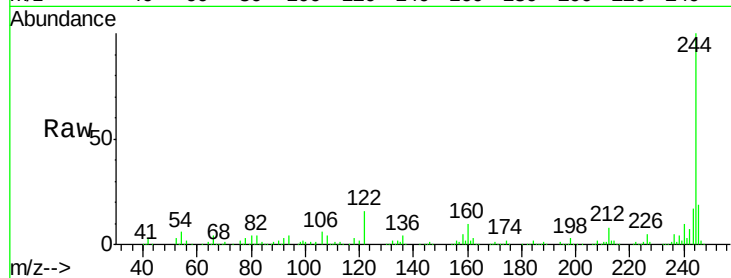




#78
 Terphenyl-d14
 Concen: 64.11 ng
 RT: 12.84 min Scan# 941
 Delta R.T. -0.07 min
 Lab File: BF080998.D
 Acq: 14 Aug 2015 1:52

Instrument :
 BNA_F
 ClientSampleId :
 PB84967TB

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.3	5.8	8.8
122	15.5	9.4	14.2



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.27 min Scan# 1153
 Delta R.T. -0.09 min
 Lab File: BF080998.D
 Acq: 14 Aug 2015 1:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.4	29.0
265	22.2	17.0	25.4

