

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061115\
 Data File : BF079916.D
 Acq On : 12 Jun 2015 2:55
 Operator : TP/IZ
 Sample : G2576-11
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SHB1W

Quant Time: Jun 12 05:52:55 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 12 00:59:58 2015
 Response via : Initial Calibration

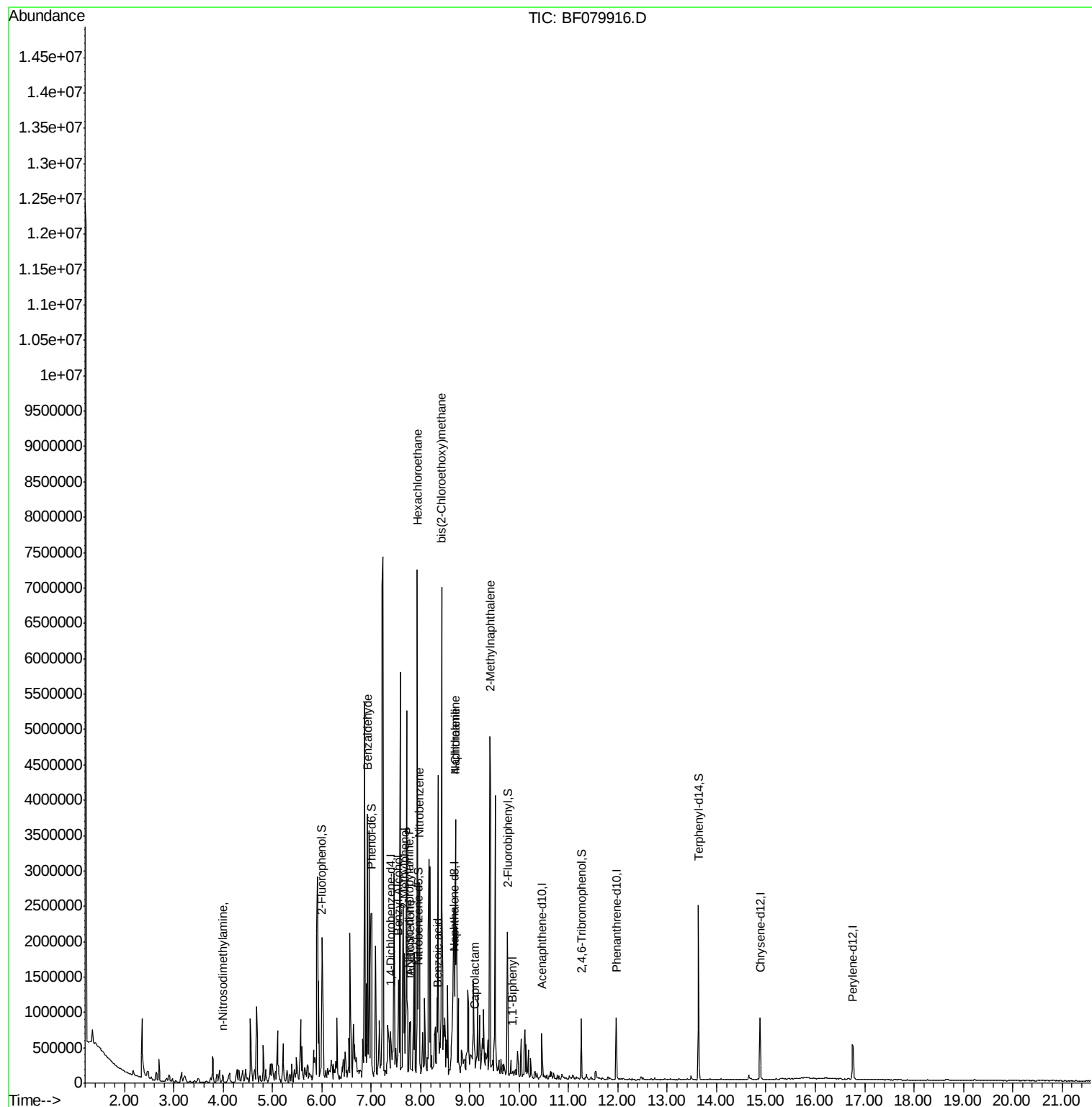
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	53590	20.00	ng	0.00
21) Naphthalene-d8	8.68	136	222331	20.00	ng	0.00
38) Acenaphthene-d10	10.46	164	130930	20.00	ng	0.00
63) Phenanthrene-d10	11.97	188	297426	20.00	ng	-0.01
75) Chrysene-d12	14.88	240	336021	20.00	ng	-0.11
86) Perylene-d12	16.77	264	323789	20.00	ng	-0.16
System Monitoring Compounds						
5) 2-Fluorophenol	6.00	112	129244	40.41	ng	0.00
7) Phenol-d6	6.99	99	119842	28.64	ng	0.00
23) Nitrobenzene-d5	7.95	82	238057	63.69	ng	0.00
41) 2,4,6-Tribromophenol	11.26	330	122700	105.00	ng	0.00
44) 2-Fluorobiphenyl	9.76	172	581122	62.55	ng	0.00
78) Terphenyl-d14	13.63	244	810204	54.79	ng	-0.06
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.99	42	11867	6.22	ng	# 1
9) Benzaldehyde	6.92	77	100740	41.89	ng	# 1
15) Benzyl Alcohol	7.55	79	13285	3.97	ng	# 21
17) 2-Methylphenol	7.67	107	8230	2.62	ng	# 1
18) Hexachloroethane	7.93	117	437149	297.61	ng	# 1
19) n-Nitroso-di-n-propylamine	7.77	70	13165	4.44	ng	# 54
22) Acetophenone	7.79	105	385776	70.30	ng	# 57
24) Nitrobenzene	7.96	77	65586	17.10	ng	# 1
28) bis(2-Chloroethoxy)methane	8.42	93	20090	4.16	ng	# 80
31) Naphthalene	8.71	128	1421411	119.55	ng	# 94
32) Benzoic acid	8.34	122	5161	4.73	ng	# 1
33) 4-Chloroaniline	8.71	127	242468	50.63	ng	# 31
35) Caprolactam	9.10	113	6816	7.37	ng	# 1
37) 2-Methylnaphthalene	9.40	142	1850813	220.01	ng	96
45) 1,1'-Biphenyl	9.86	154	23392	2.17	ng	97

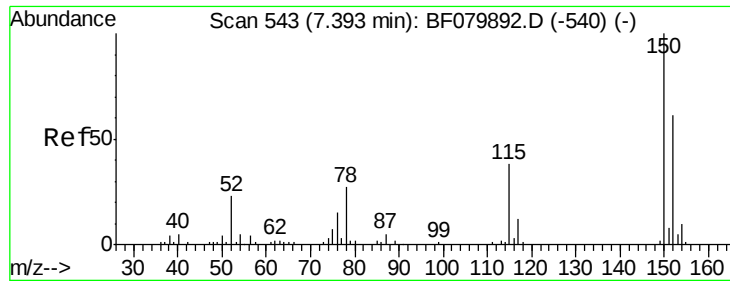
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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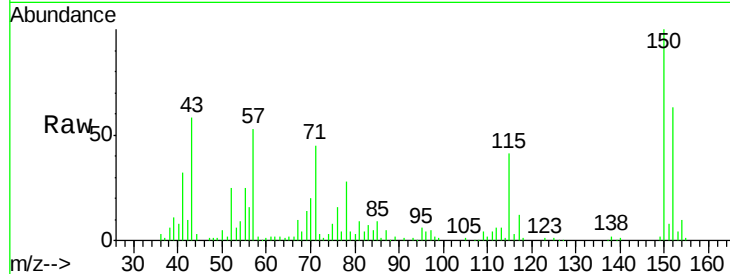


#1

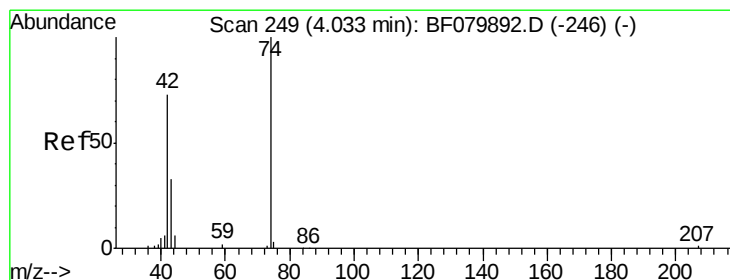
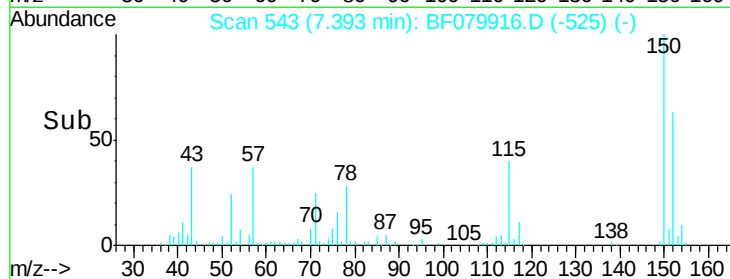
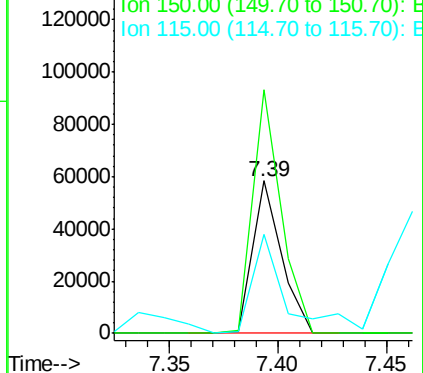
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.39 min Scan# 543
 Delta R.T. 0.00 min
 Lab File: BF079916.D
 Acq: 12 Jun 2015 2:55

Instrument :
 BNA_F
 ClientSampleId :
 SHB1W

Tgt Ion:152 Resp: 53590
 Ion Ratio Lower Upper
 152 100
 150 159.9 131.0 196.4
 115 64.9 49.8 74.6



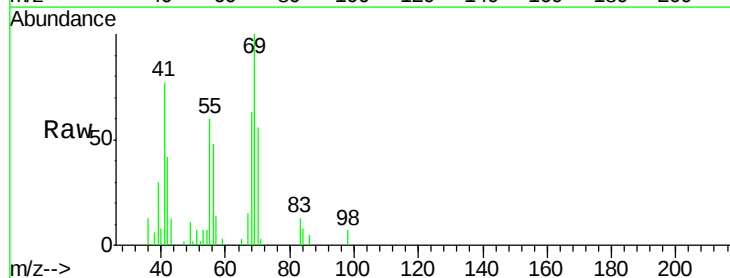
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



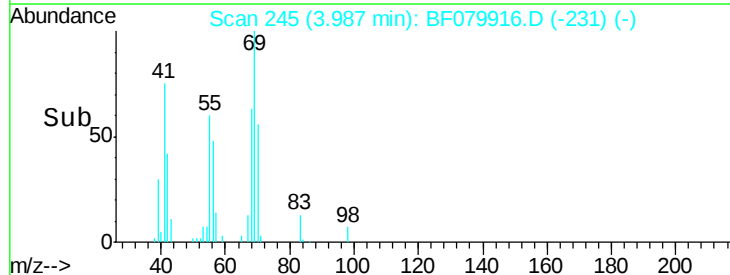
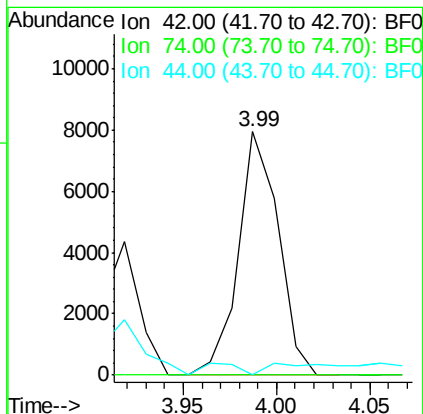
#4

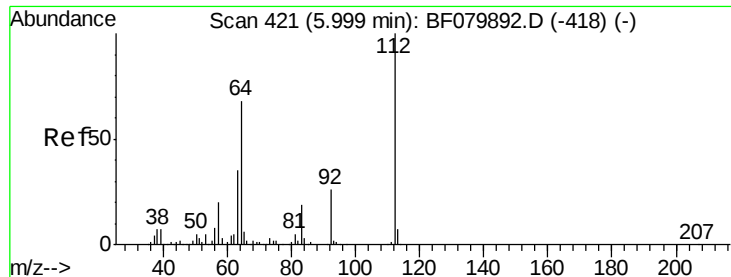
n-Nitrosodimethylamine
 Concen: 6.22 ng
 RT: 3.99 min Scan# 245
 Delta R.T. -0.05 min
 Lab File: BF079916.D
 Acq: 12 Jun 2015 2:55

Tgt Ion: 42 Resp: 11867
 Ion Ratio Lower Upper
 42 100
 74 0.0 109.0 163.6#
 44 0.0 7.7 11.5#



Abundance Ion 42.00 (41.70 to 42.70): BF0
 Ion 74.00 (73.70 to 74.70): BF0
 Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 40.41 ng

RT: 6.00 min Scan# 421

Delta R.T. 0.00 min

Lab File: BF079916.D

Acq: 12 Jun 2015 2:55

Instrument :

BNA_F

ClientSampled :

SHB1W

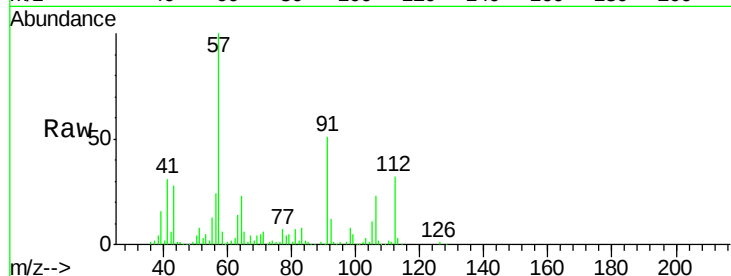
Tgt Ion: 112 Resp: 129244

Ion Ratio Lower Upper

112 100

64 72.6 54.5 81.7

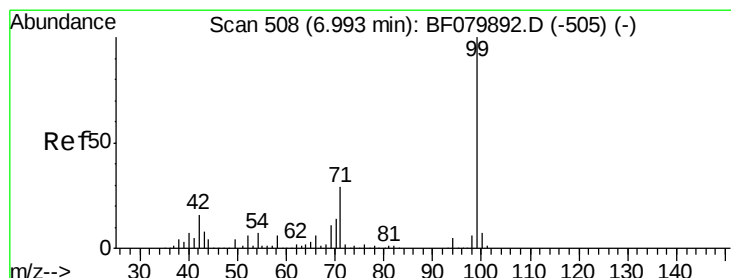
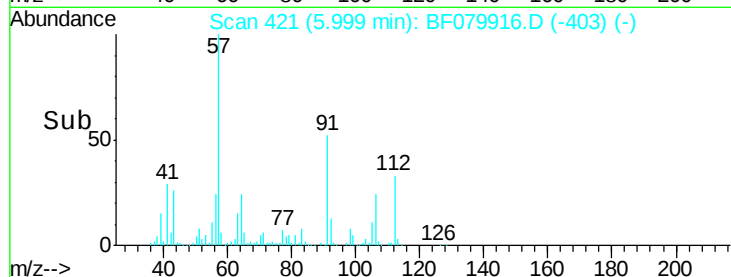
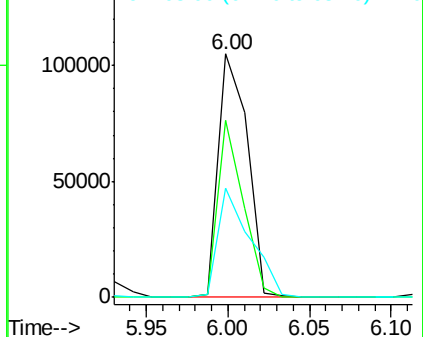
63 45.1 27.9 41.9#



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: 28.64 ng

RT: 6.99 min Scan# 508

Delta R.T. 0.00 min

Lab File: BF079916.D

Acq: 12 Jun 2015 2:55

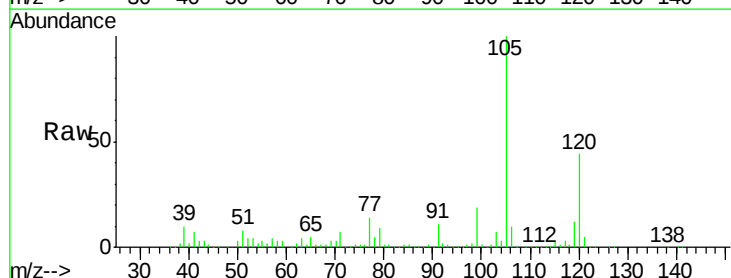
Tgt Ion: 99 Resp: 119842

Ion Ratio Lower Upper

99 100

42 17.0 12.9 19.3

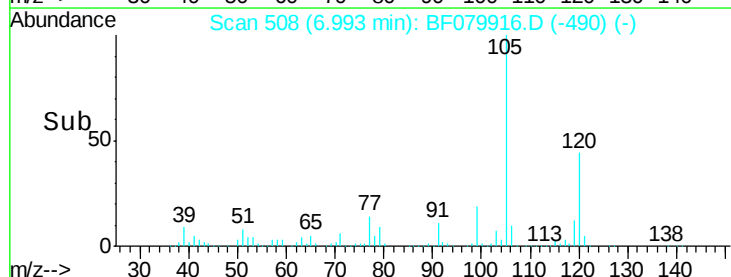
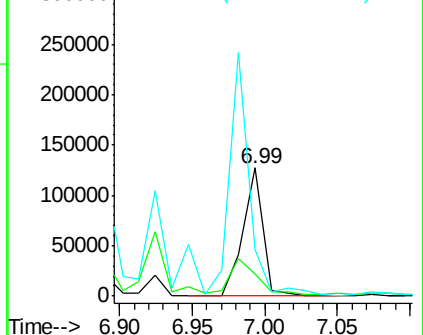
71 35.9 23.4 35.2#

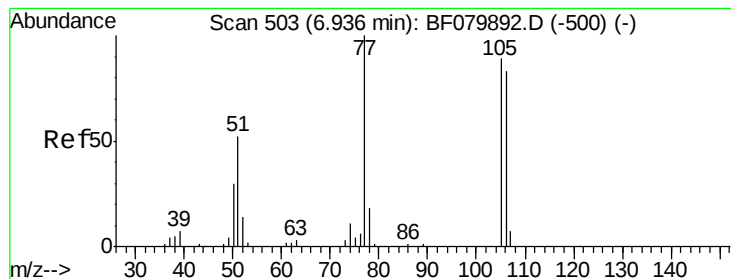


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 41.89 ng

RT: 6.92 min Scan# 502

Delta R.T. -0.01 min

Lab File: BF079916.D

Acq: 12 Jun 2015 2:55

Instrument :

BNA_F

ClientSampled :

SHB1W

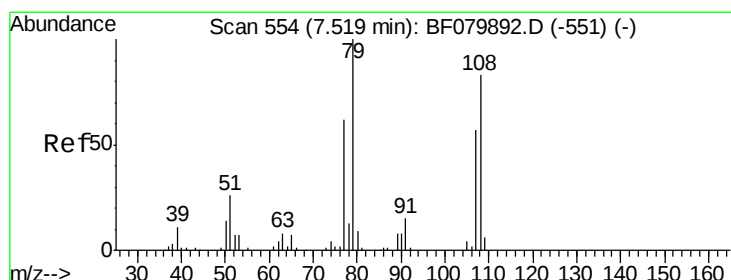
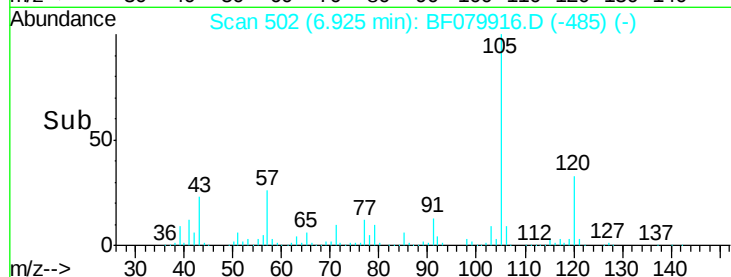
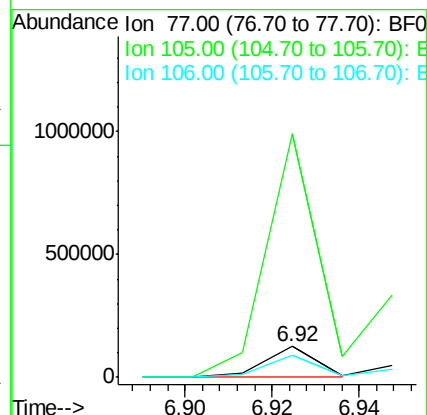
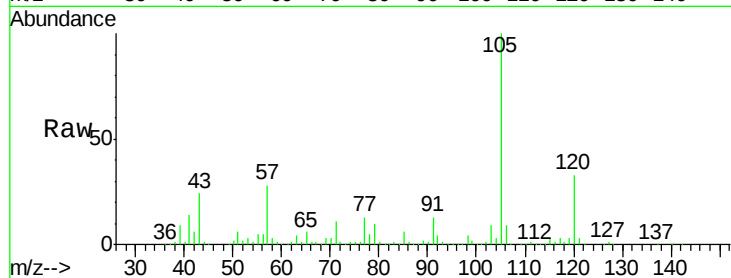
Tgt Ion: 77 Resp: 100740

Ion Ratio Lower Upper

77 100

105 793.2 68.6 108.6#

106 74.2 63.3 103.3



#15

Benzyl Alcohol

Concen: 3.97 ng

RT: 7.55 min Scan# 557

Delta R.T. 0.03 min

Lab File: BF079916.D

Acq: 12 Jun 2015 2:55

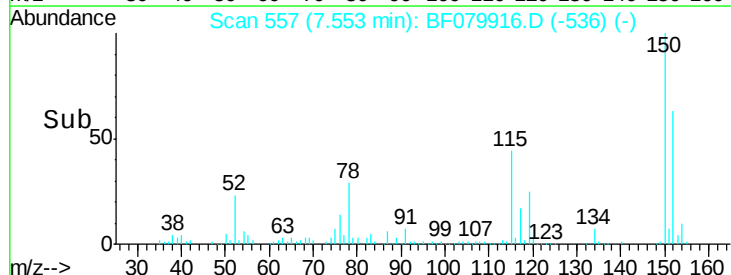
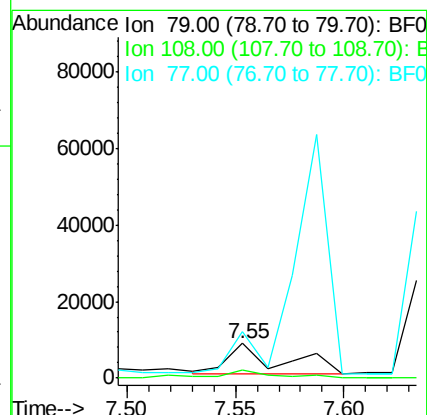
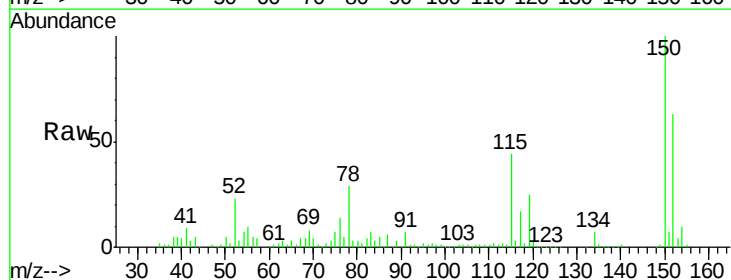
Tgt Ion: 79 Resp: 13285

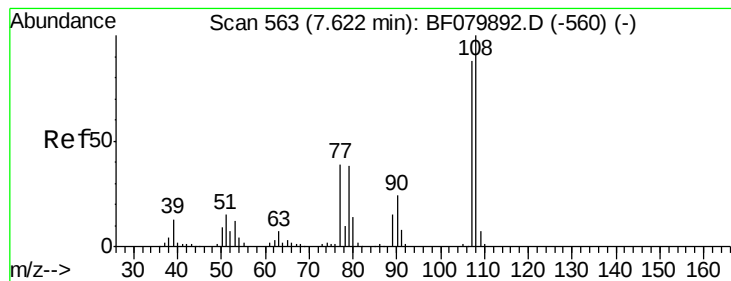
Ion Ratio Lower Upper

79 100

108 24.4 66.4 99.6#

77 135.9 49.4 74.0#





#17

2-Methylphenol

Concen: 2.62 ng

RT: 7.67 min Scan# 567

Delta R.T. 0.05 min

Lab File: BF079916.D

Acq: 12 Jun 2015 2:55

Instrument :

BNA_F

ClientSampleId :

SHB1W

Tgt Ion:107 Resp: 8230

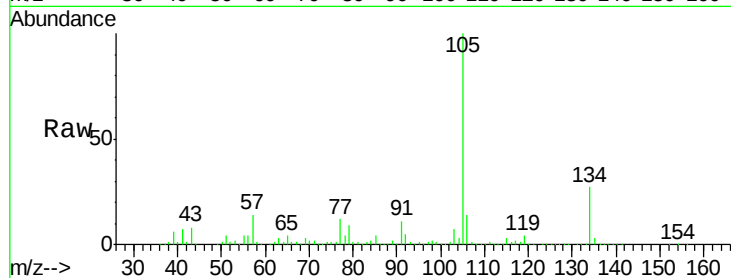
Ion Ratio Lower Upper

107 100

108 5.6 90.8 136.2#

77 1312.2 35.4 53.2#

79 1000.5 34.7 52.1#

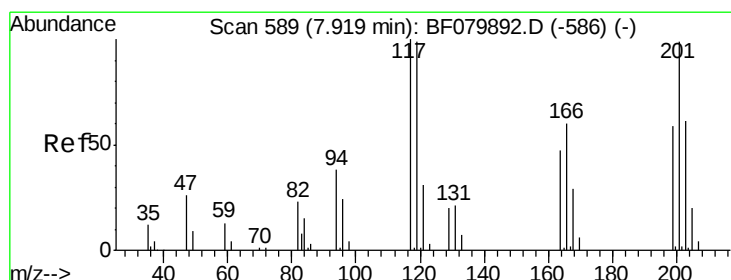
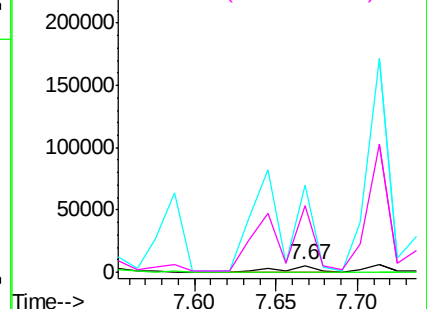
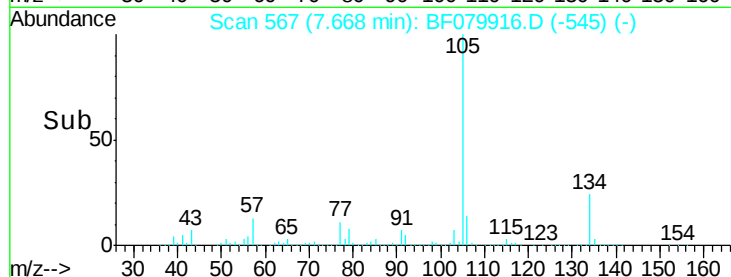


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 297.61 ng

RT: 7.93 min Scan# 590

Delta R.T. 0.01 min

Lab File: BF079916.D

Acq: 12 Jun 2015 2:55

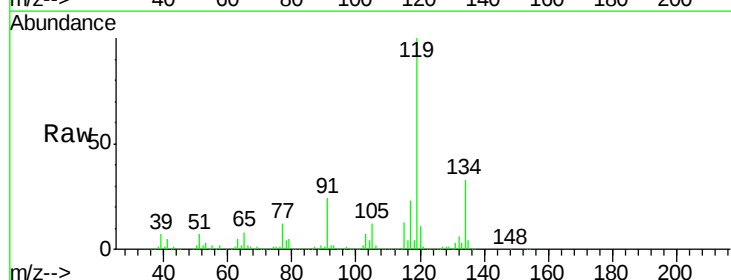
Tgt Ion:117 Resp: 437149

Ion Ratio Lower Upper

117 100

119 432.8 79.0 118.6#

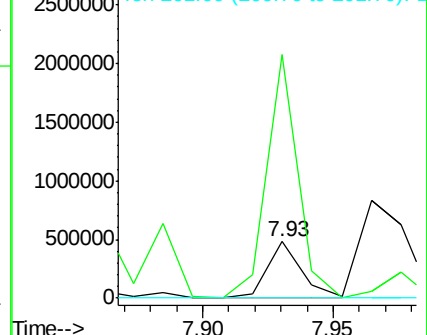
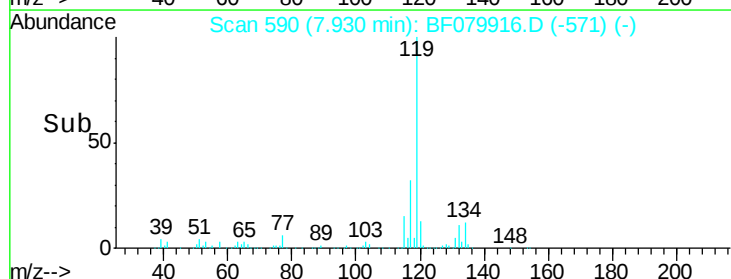
201 0.0 79.0 118.6#

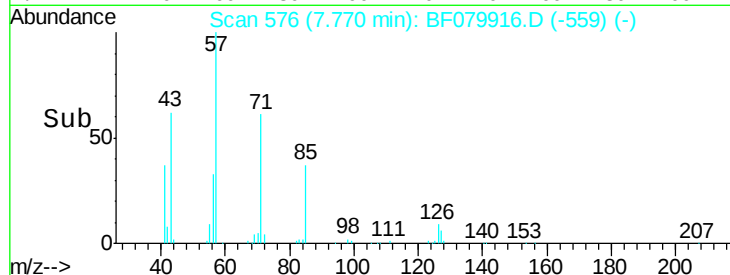
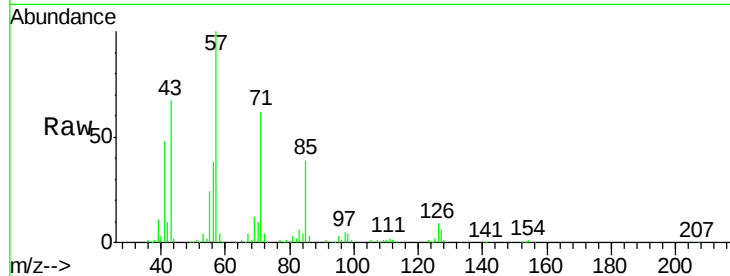
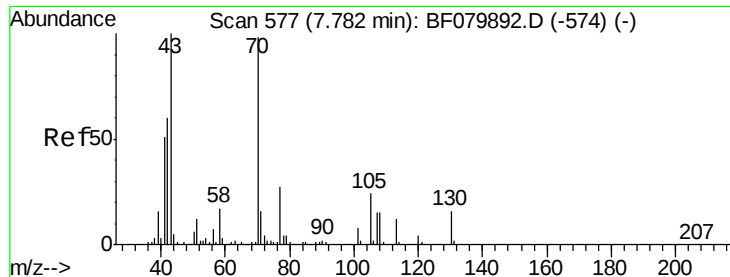


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

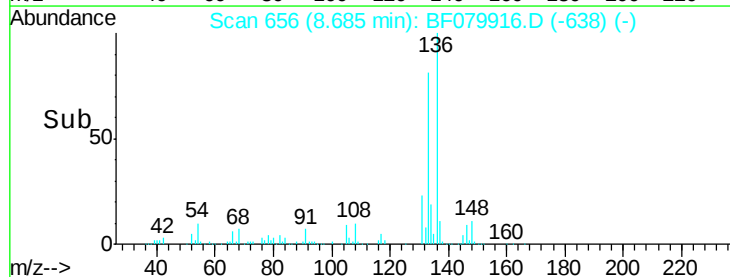
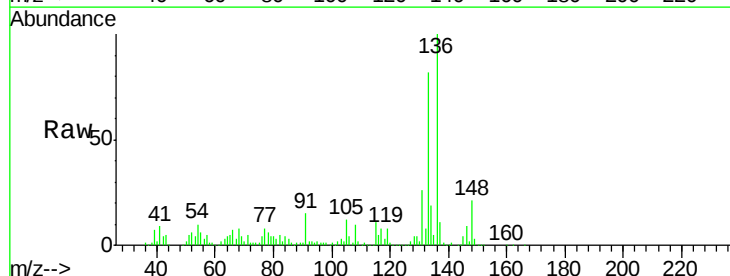
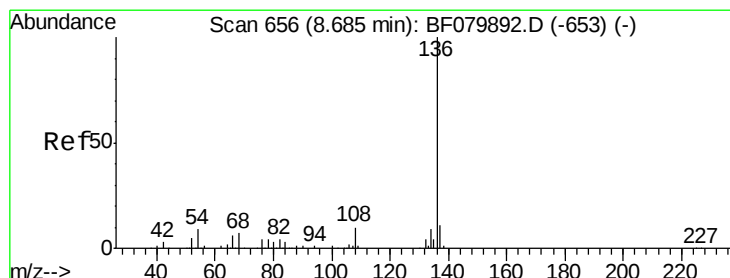
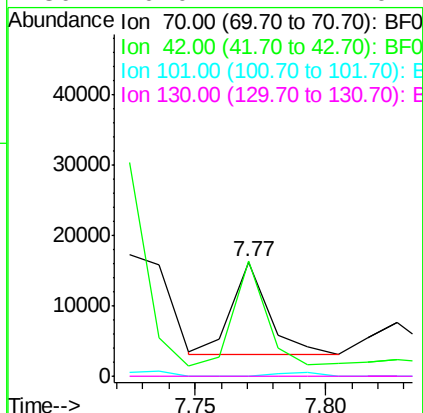




#19
n-Nitroso-di-n-propylamine
Concen: 4.44 ng
RT: 7.77 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF079916.D
Acq: 12 Jun 2015 2:55

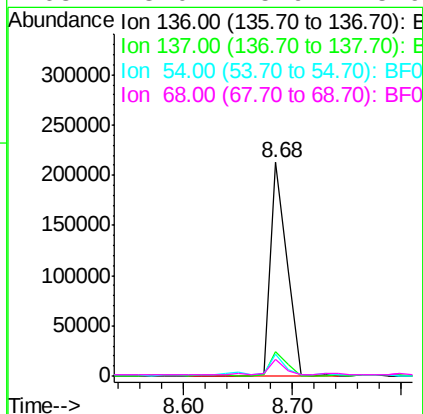
Instrument :
BNA_F
ClientSampleId :
SHB1W

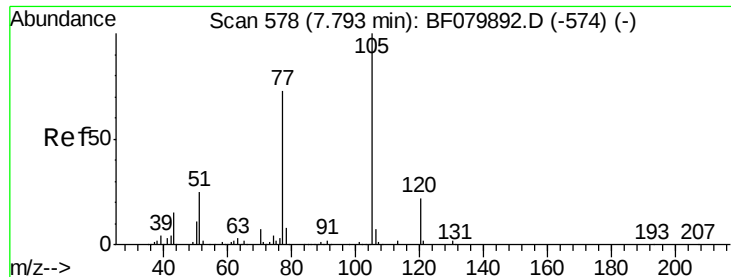
Tgt Ion:	70	Resp:	13165
Ion	Ratio	Lower	Upper
70	100		
42	100.9	49.0	73.4#
101	0.0	6.6	9.8#
130	0.0	12.7	19.1#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.68 min Scan# 656
Delta R.T. 0.00 min
Lab File: BF079916.D
Acq: 12 Jun 2015 2:55

Tgt Ion:	136	Resp:	222331
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.7	13.1
54	10.4	7.3	10.9
68	8.0	5.9	8.9

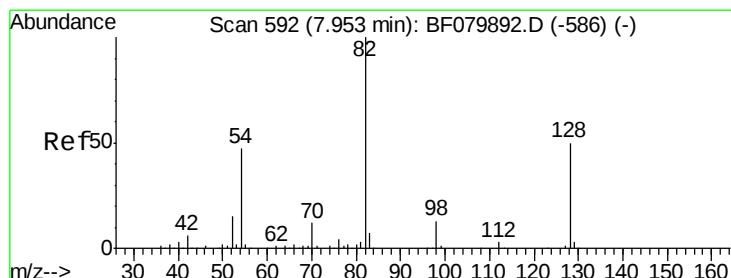
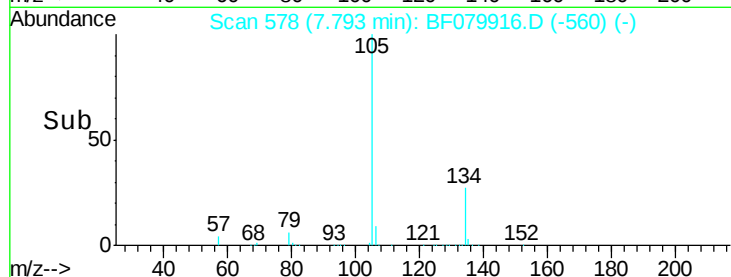
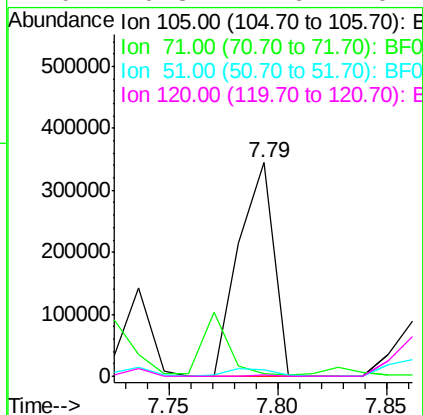
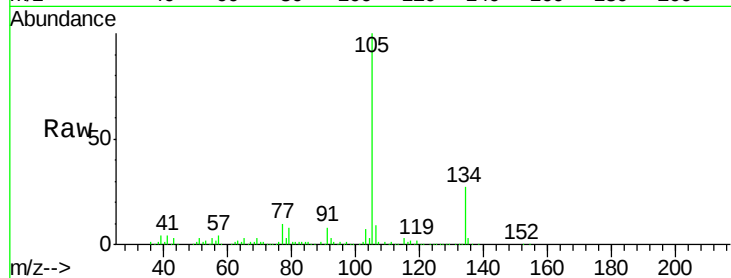




#22
Acetophenone
Concen: 70.30 ng
RT: 7.79 min Scan# 578
Delta R.T. 0.00 min
Lab File: BF079916.D
Acq: 12 Jun 2015 2:55

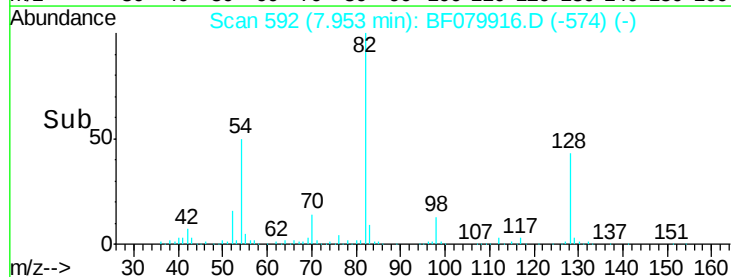
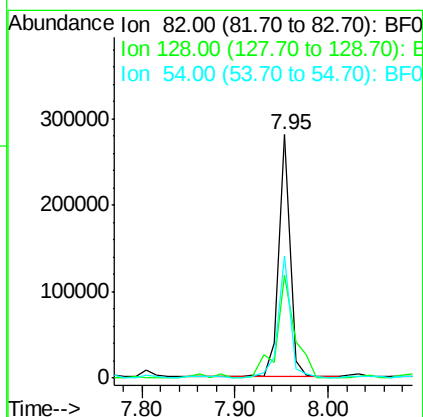
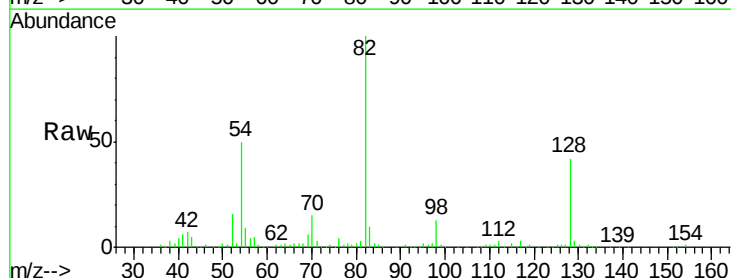
Instrument :
BNA_F
ClientSampled :
SHB1W

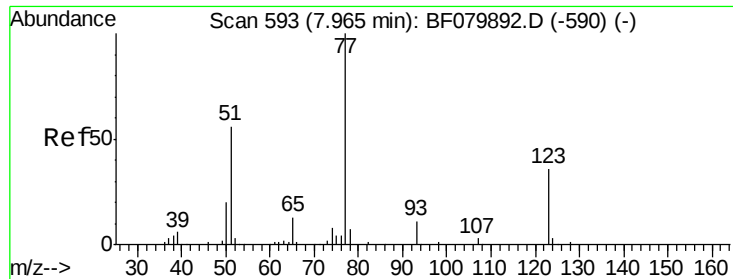
Tgt Ion:	105	Resp:	385776
Ion	Ratio	Lower	Upper
105	100		
71	1.3	1.0	1.4
51	3.2	19.8	29.6#
120	0.3	17.6	26.4#



#23
Nitrobenzene-d5
Concen: 63.69 ng
RT: 7.95 min Scan# 592
Delta R.T. 0.00 min
Lab File: BF079916.D
Acq: 12 Jun 2015 2:55

Tgt Ion:	82	Resp:	238057
Ion	Ratio	Lower	Upper
82	100		
128	42.5	40.3	60.5
54	50.3	38.0	57.0

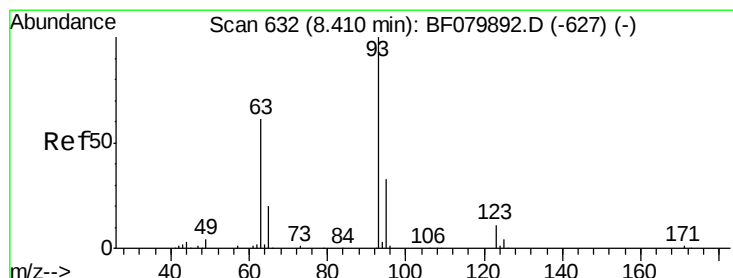
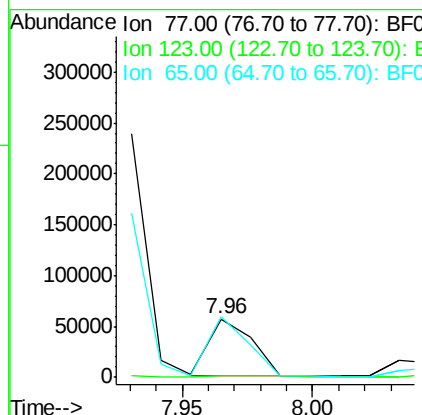
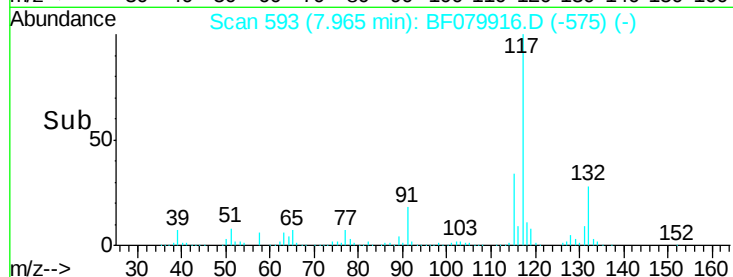
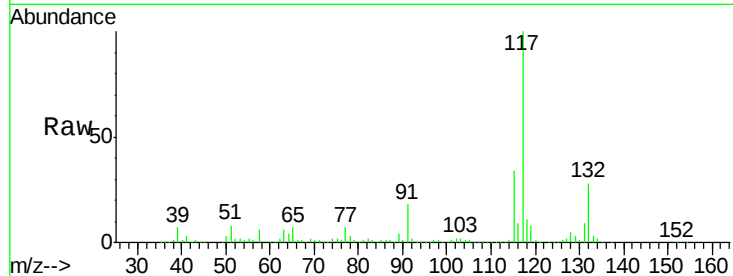




#24
Nitrobenzene
Concen: 17.10 ng
RT: 7.96 min Scan# 593
Delta R.T. 0.00 min
Lab File: BF079916.D
Acq: 12 Jun 2015 2:55

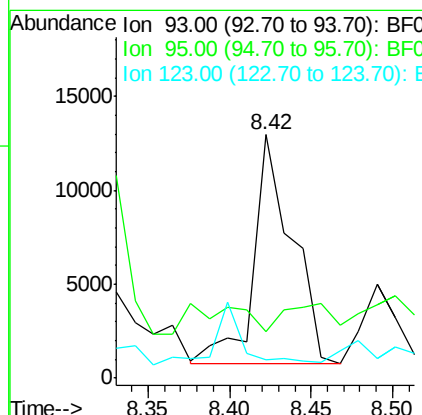
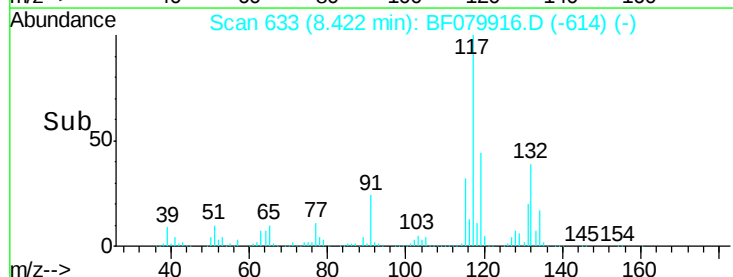
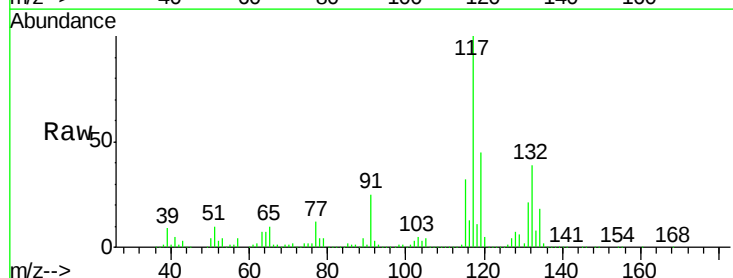
Instrument :
BNA_F
ClientSampleId :
SHB1W

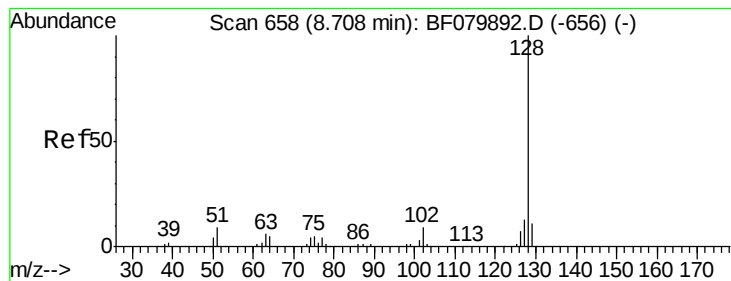
Tgt Ion: 77 Resp: 65586
Ion Ratio Lower Upper
77 100
123 2.2 28.8 43.2#
65 105.0 10.3 15.5#



#28
bis(2-Chloroethoxy)methane
Concen: 4.16 ng
RT: 8.42 min Scan# 633
Delta R.T. 0.01 min
Lab File: BF079916.D
Acq: 12 Jun 2015 2:55

Tgt Ion: 93 Resp: 20090
Ion Ratio Lower Upper
93 100
95 19.1 26.1 39.1#
123 7.6 8.9 13.3#





#31

Naphthalene

Concen: 119.55 ng

RT: 8.71 min Scan# 658

Delta R.T. 0.00 min

Lab File: BF079916.D

Acq: 12 Jun 2015 2:55

Instrument :

BNA_F

ClientSampleId :

SHB1W

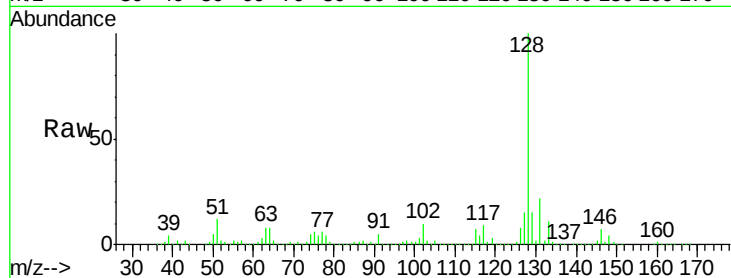
Tgt Ion:128 Resp: 1421411

Ion Ratio Lower Upper

128 100

129 14.5 8.8 13.2#

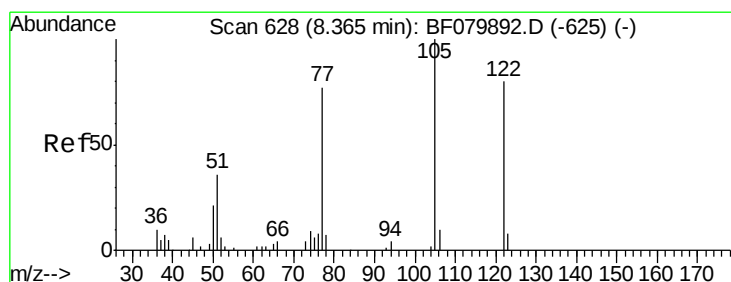
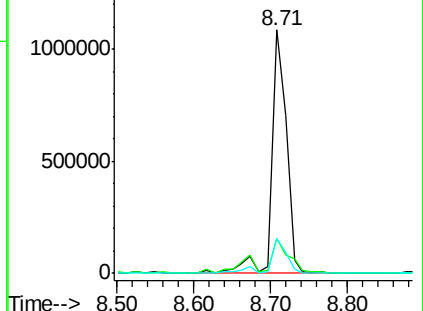
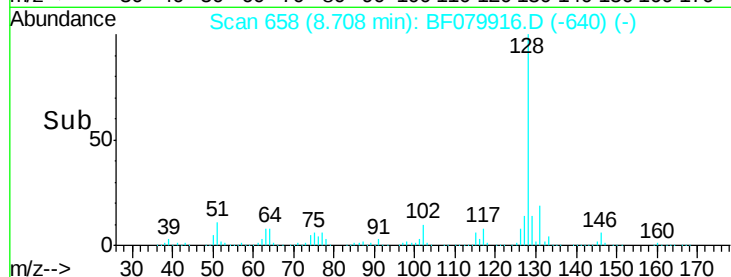
127 14.6 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 4.73 ng

RT: 8.34 min Scan# 626

Delta R.T. -0.02 min

Lab File: BF079916.D

Acq: 12 Jun 2015 2:55

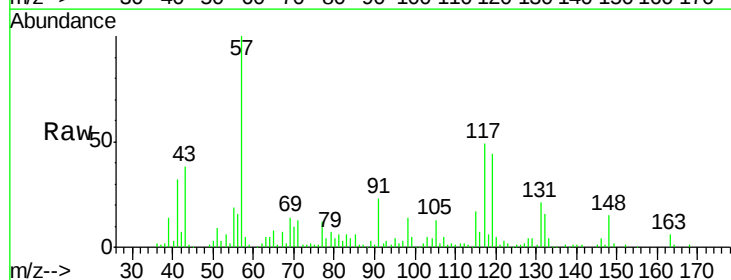
Tgt Ion:122 Resp: 5161

Ion Ratio Lower Upper

122 100

105 407.0 102.7 142.7#

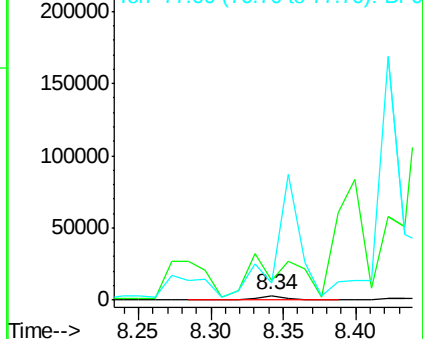
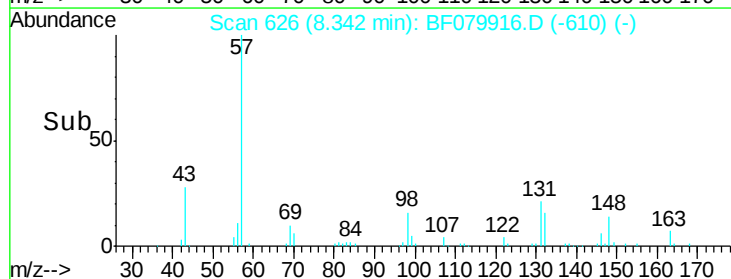
77 353.7 77.1 117.1#

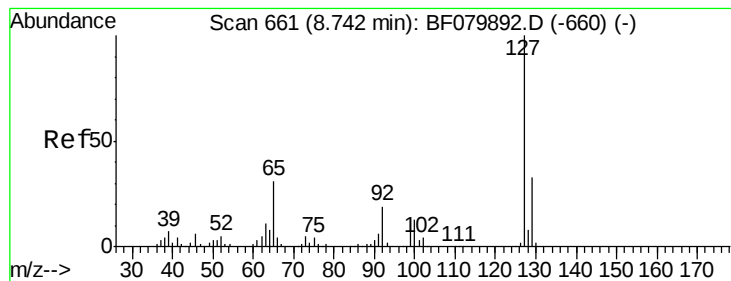


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 50.63 ng

RT: 8.71 min Scan# 658

Delta R.T. -0.03 min

Lab File: BF079916.D

Acq: 12 Jun 2015 2:55

Instrument :

BNA_F

ClientSampleId :

SHB1W

Tgt Ion:127 Resp: 242468

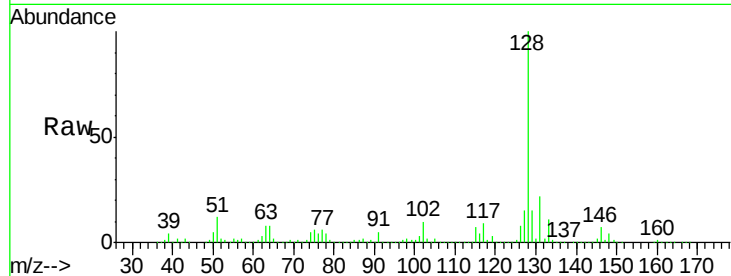
Ion Ratio Lower Upper

127 100

129 99.7 26.1 39.1#

65 10.6 25.5 38.3#

92 3.0 15.7 23.5#

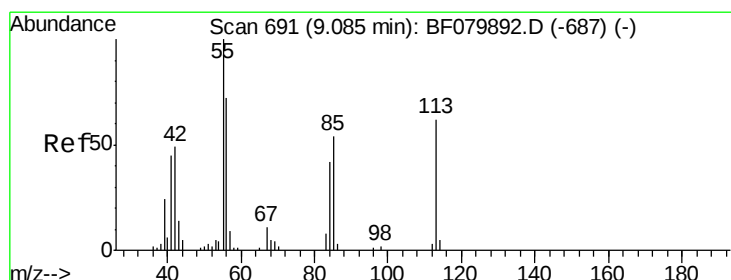
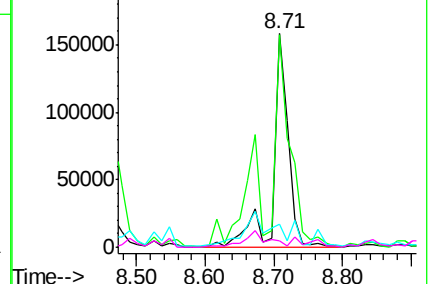
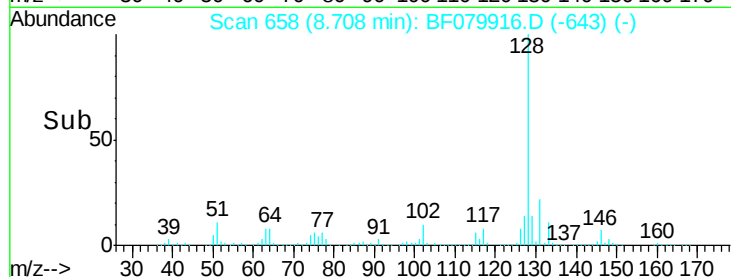


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#35

Caprolactam

Concen: 7.37 ng

RT: 9.10 min Scan# 692

Delta R.T. 0.01 min

Lab File: BF079916.D

Acq: 12 Jun 2015 2:55

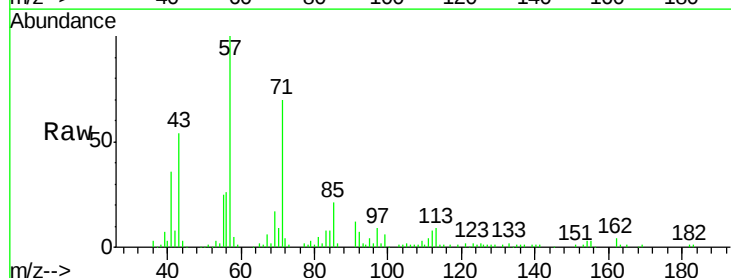
Tgt Ion:113 Resp: 6816

Ion Ratio Lower Upper

113 100

55 274.2 141.4 181.4#

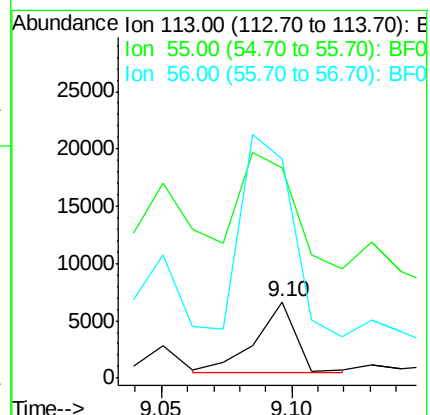
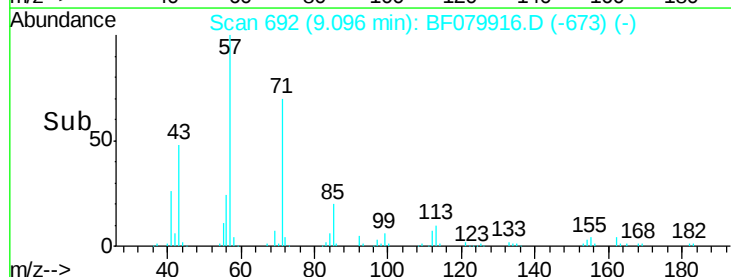
56 286.4 95.9 135.9#

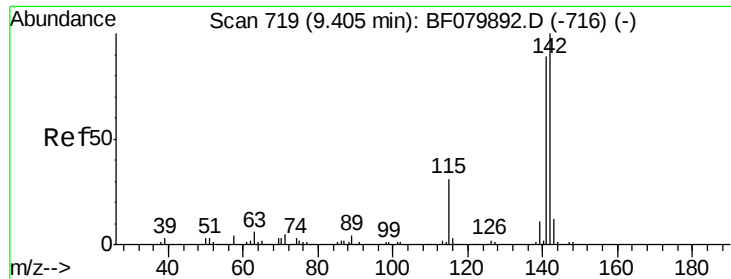


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0

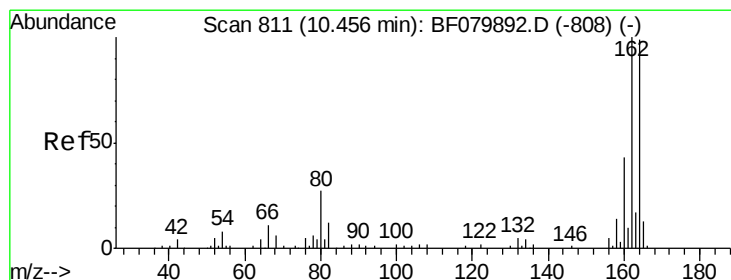
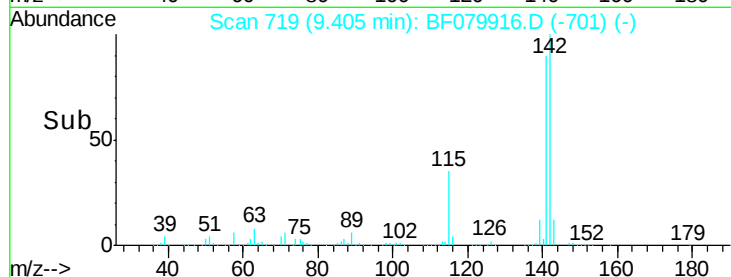
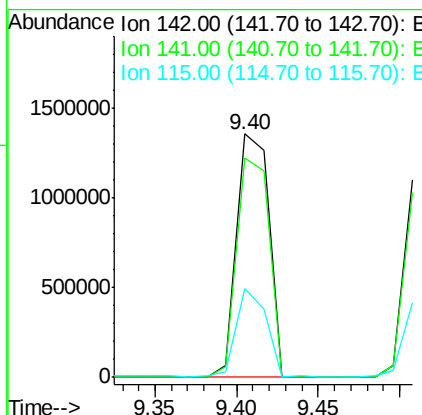
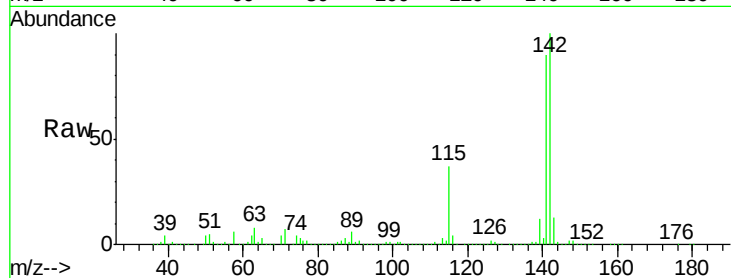




#37
2-Methylnaphthalene
Concen: 220.01 ng
RT: 9.40 min Scan# 719
Delta R.T. 0.00 min
Lab File: BF079916.D
Acq: 12 Jun 2015 2:55

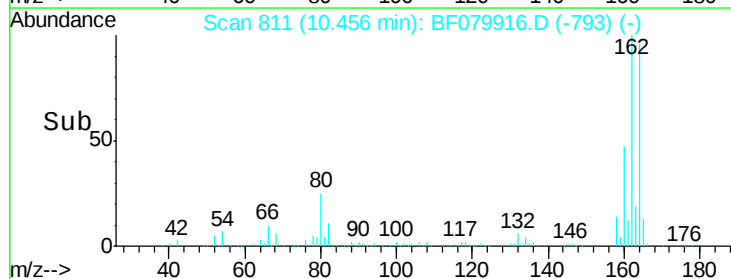
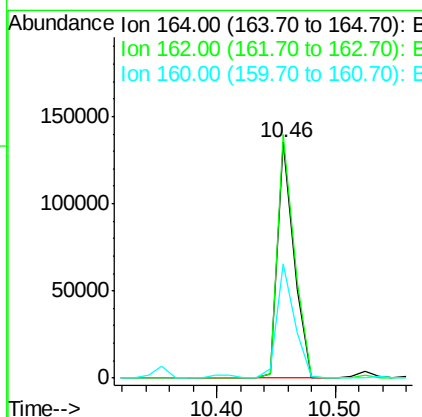
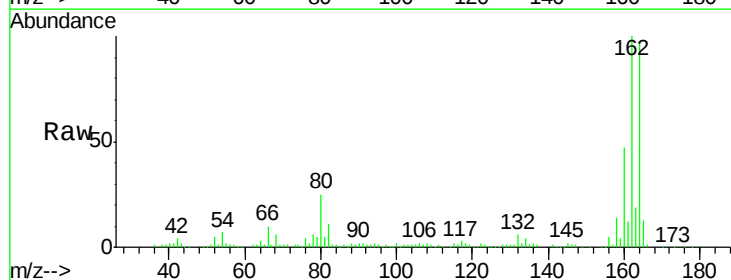
Instrument :
BNA_F
ClientSampleId :
SHB1W

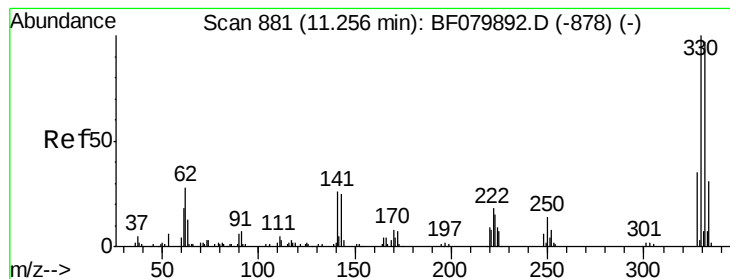
Tgt Ion:142 Resp: 1850813
Ion Ratio Lower Upper
142 100
141 90.1 70.9 106.3
115 36.6 25.0 37.4



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.46 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF079916.D
Acq: 12 Jun 2015 2:55

Tgt Ion:164 Resp: 130930
Ion Ratio Lower Upper
164 100
162 103.5 80.7 121.1
160 48.3 34.6 51.8

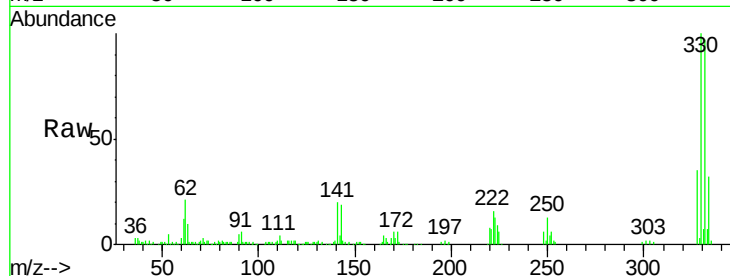




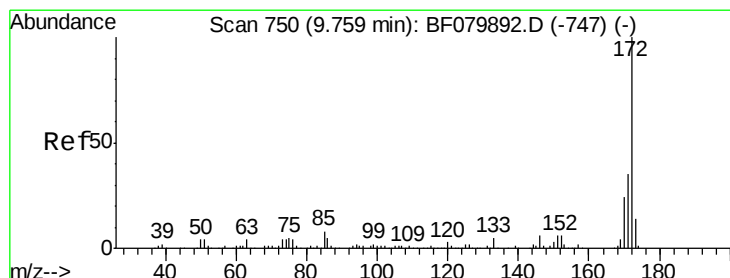
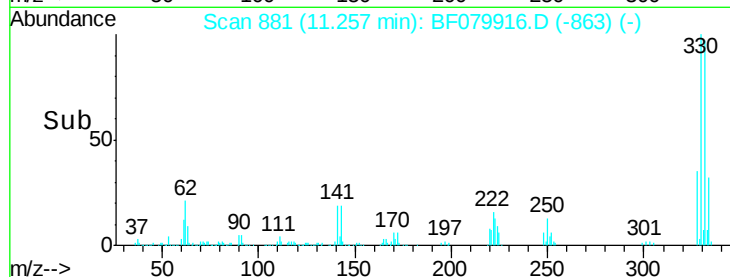
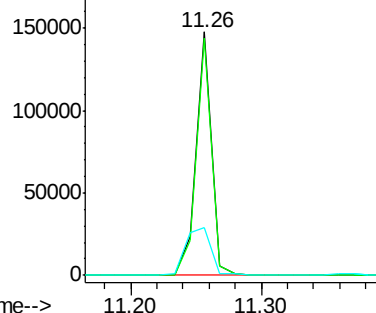
#41
 2,4,6-Tribromophenol
 Concen: 105.00 ng
 RT: 11.26 min Scan# 881
 Delta R.T. 0.00 min
 Lab File: BF079916.D
 Acq: 12 Jun 2015 2:55

Instrument :
 BNA_F
 ClientSampleId :
 SHB1W

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.3	115.9
141	31.8	26.8	40.2

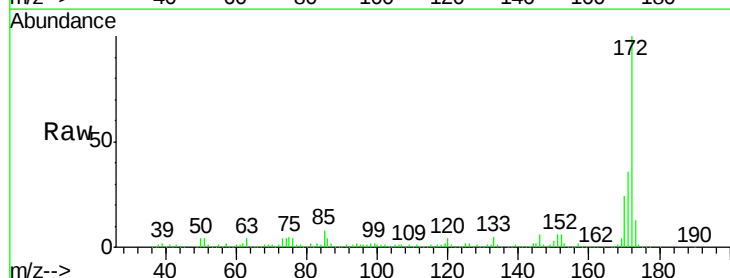


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

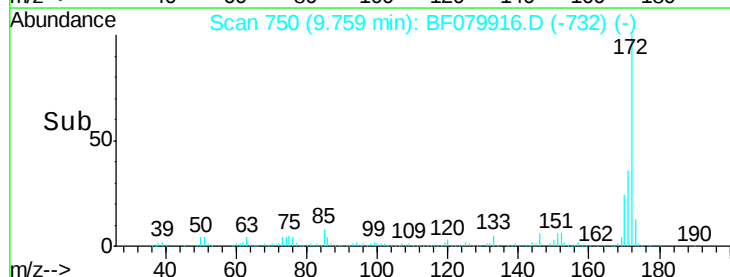
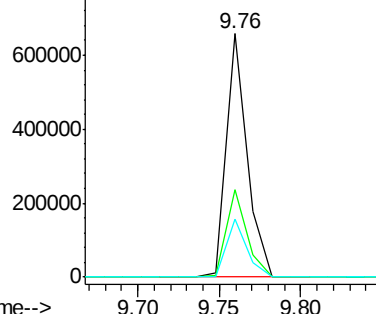


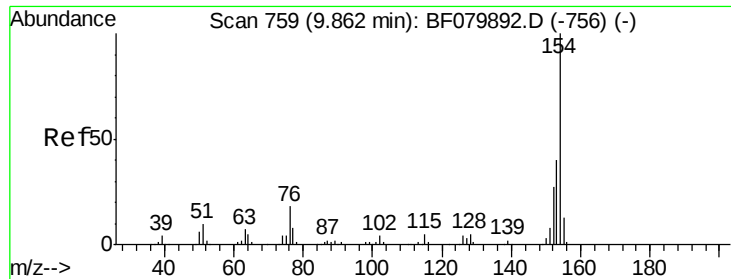
#44
 2-Fluorobiphenyl
 Concen: 62.55 ng
 RT: 9.76 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: BF079916.D
 Acq: 12 Jun 2015 2:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.3	42.5
170	24.0	19.0	28.4



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

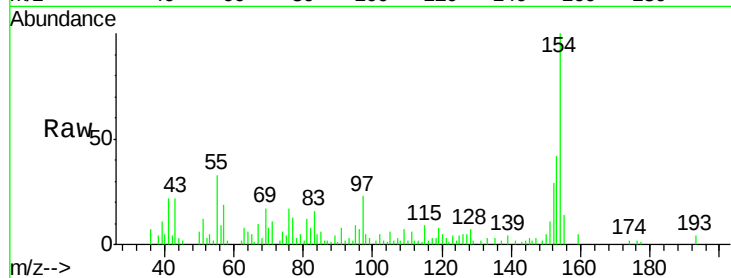




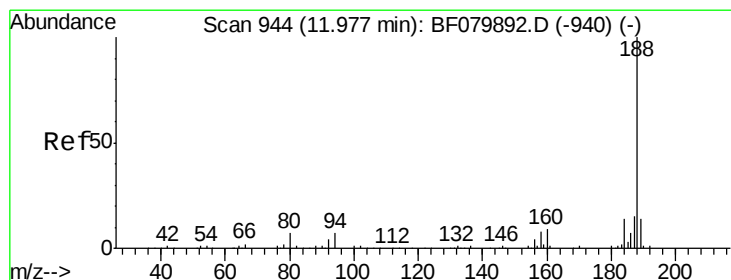
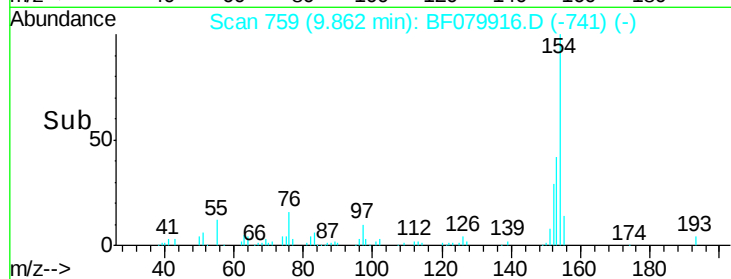
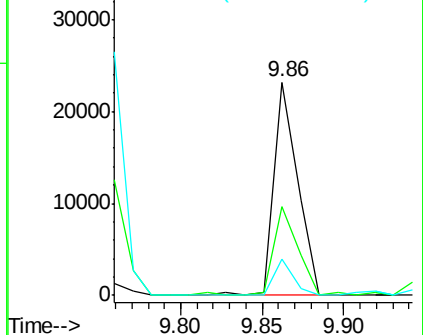
#45
 1,1'-Biphenyl
 Concen: 2.17 ng
 RT: 9.86 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: BF079916.D
 Acq: 12 Jun 2015 2:55

Instrument :
 BNA_F
 ClientSampleId :
 SHB1W

Tgt Ion:154 Resp: 23392
 Ion Ratio Lower Upper
 154 100
 153 41.9 20.1 60.1
 76 17.0 0.0 38.4

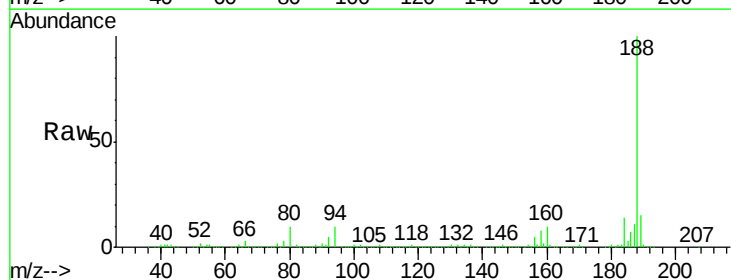


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

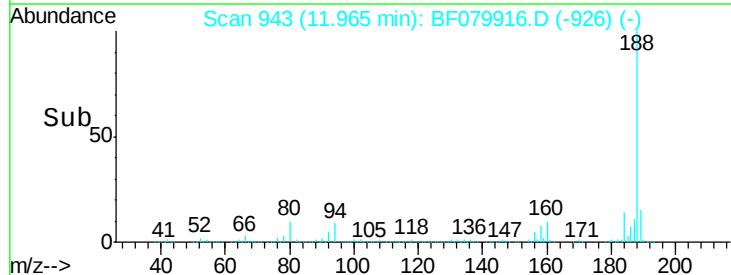
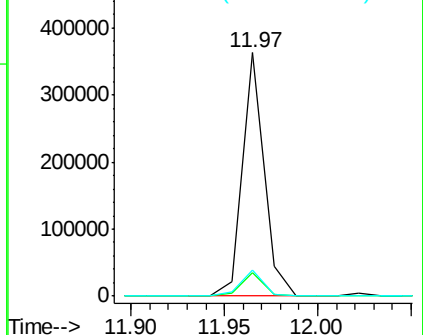


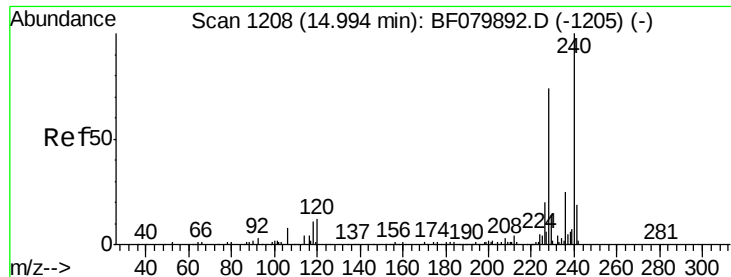
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.97 min Scan# 943
 Delta R.T. -0.01 min
 Lab File: BF079916.D
 Acq: 12 Jun 2015 2:55

Tgt Ion:188 Resp: 297426
 Ion Ratio Lower Upper
 188 100
 94 9.6 5.8 8.8#
 80 10.4 5.9 8.9#



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.88 min Scan# 1198

Delta R.T. -0.11 min

Lab File: BF079916.D

Acq: 12 Jun 2015 2:55

Instrument :

BNA_F

ClientSampleId :

SHB1W

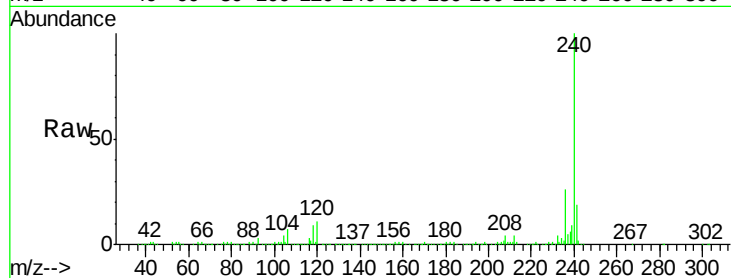
Tgt Ion:240 Resp: 336021

Ion Ratio Lower Upper

240 100

120 11.2 9.4 14.2

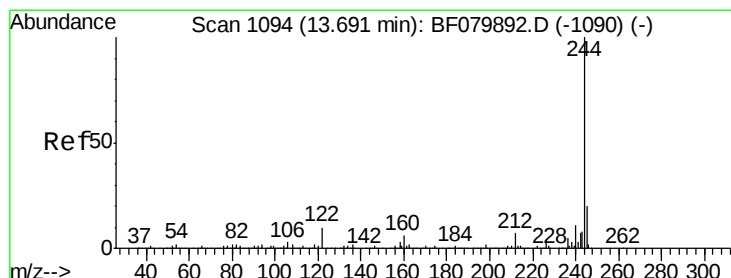
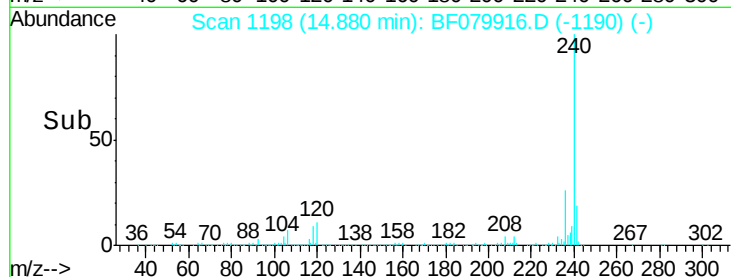
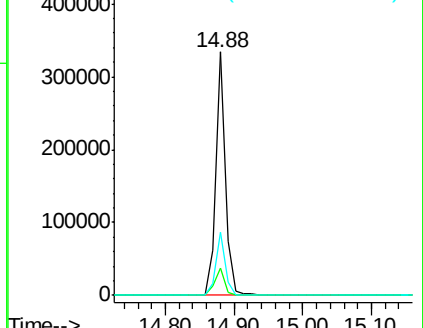
236 26.0 19.6 29.4



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



#78

Terphenyl-d14

Concen: 54.79 ng

RT: 13.63 min Scan# 1089

Delta R.T. -0.06 min

Lab File: BF079916.D

Acq: 12 Jun 2015 2:55

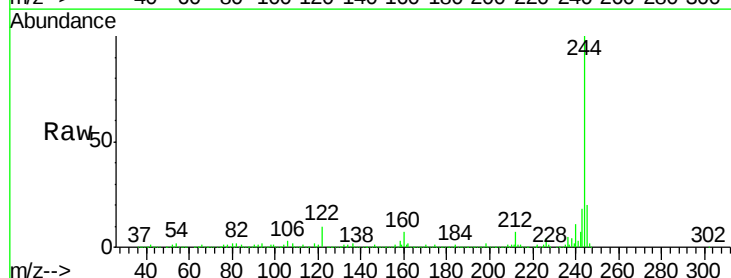
Tgt Ion:244 Resp: 810204

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

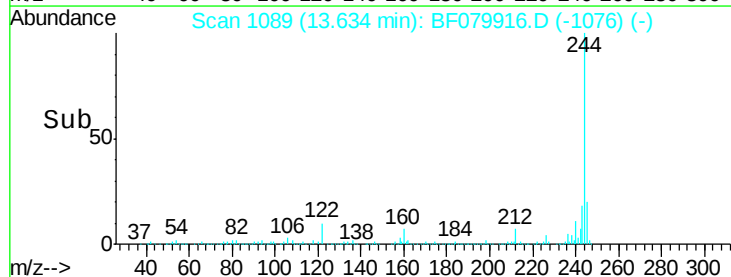
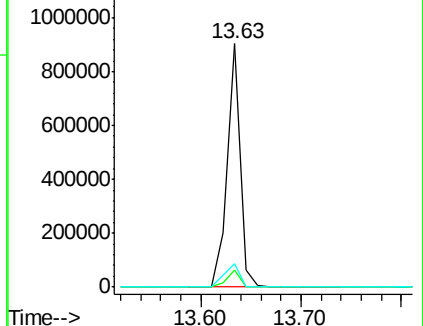
122 9.7 7.8 11.8

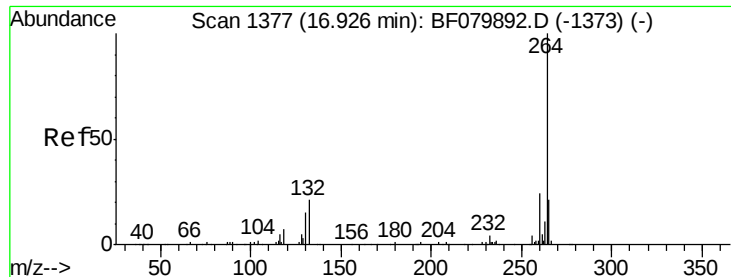


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 16.77 min Scan# 1363
Delta R.T. -0.16 min
Lab File: BF079916.D
Acq: 12 Jun 2015 2:55

Instrument :
BNA_F
ClientSampleId :
SHB1W

Tgt Ion: 264 Resp: 323789
Ion Ratio Lower Upper
264 100
260 24.7 19.3 28.9
265 20.8 17.0 25.6

