

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080615\
 Data File : BF080914.D
 Acq On : 7 Aug 2015 5:14
 Operator : TP/UM
 Sample : G3183-01
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 07 05:58:57 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 07 03:17:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	67619	20.00	ng	0.01
21) Naphthalene-d8	8.18	136	152968	20.00	ng	0.08
38) Acenaphthene-d10	9.85	164	153415	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	315646	20.00	ng	0.00
75) Chrysene-d12	13.95	240	278870	20.00	ng	-0.01
86) Perylene-d12	15.36	264	233906	20.00	ng	0.00

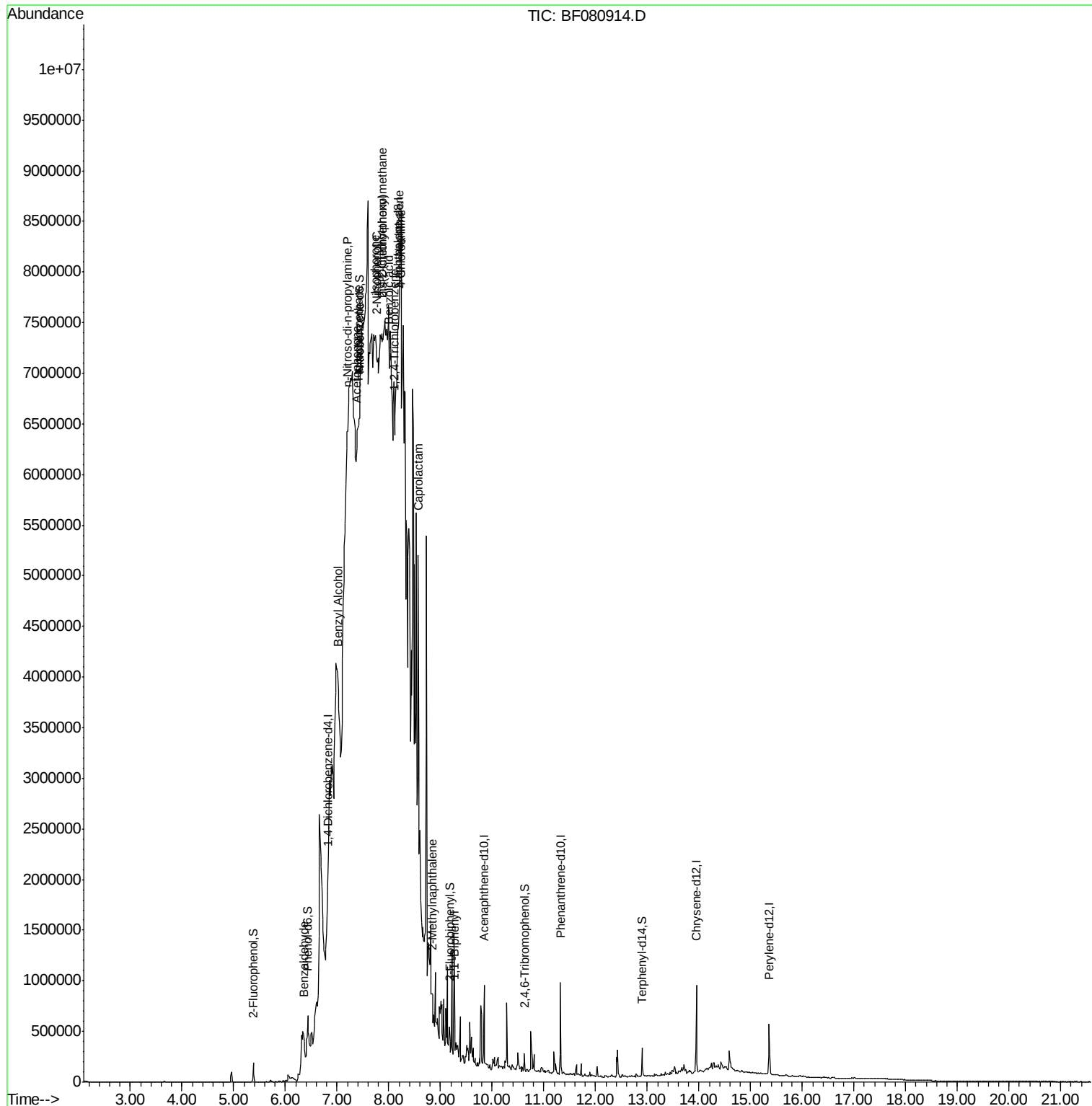
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	49323	11.63	ng	-0.01
7) Phenol-d6	6.43	99	73155	12.53	ng	-0.01
23) Nitrobenzene-d5	7.42	82	305707	94.15	ng	0.05
41) 2,4,6-Tribromophenol	10.62	330	14779	8.97	ng	-0.01
44) 2-Fluorobiphenyl	9.17	172	69661	6.47	ng	0.00
78) Terphenyl-d14	12.90	244	86793	6.56	ng	-0.01

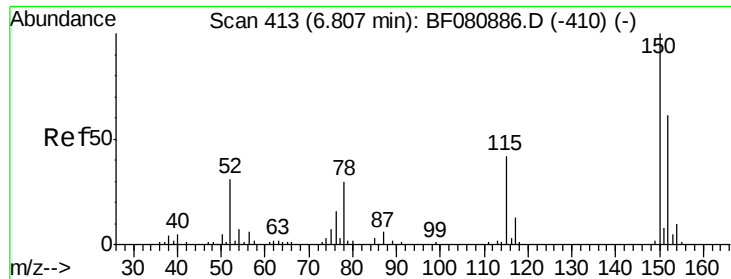
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.36	77	9030	2.24	ng	# 1
15) Benzyl Alcohol	7.02	79	20903	4.51	ng	# 48
18) Hexachloroethane	7.41	117	36149	17.89	ng	# 1
19) n-Nitroso-di-n-propylamine	7.20	70	1269027	305.23	ng	# 87
22) Acetophenone	7.38	105	16223	4.24	ng	# 1
24) Nitrobenzene	7.44	77	212714	64.28	ng	# 1
25) Isophorone	7.73	82	281672	45.26	ng	# 1
26) 2-Nitrophenol	7.77	139	36101	25.99	ng	# 1
27) 2,4-Dimethylphenol	7.87	122	53946	20.25	ng	# 2
28) bis(2-Chloroethoxy)methane	7.87	93	42755	11.59	ng	# 1
30) 1,2,4-Trichlorobenzene	8.11	180	24387	10.35	ng	# 59
31) Naphthalene	8.20	128	38460	4.63	ng	# 1
32) Benzoic acid	8.01	122	18105	10.68	ng	# 1
33) 4-Chloroaniline	8.24	127	113872	33.19	ng	# 68
35) Caprolactam	8.57	113	81852	103.22	ng	# 1
37) 2-Methylnaphthalene	8.84	142	41409	8.09	ng	99
45) 1,1'-Biphenyl	9.28	154	61733	4.76	ng	97

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

```
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Sample    : G3183-01  
Misc      :  
ALS Vial  : 29 Sample Multiplier: 1
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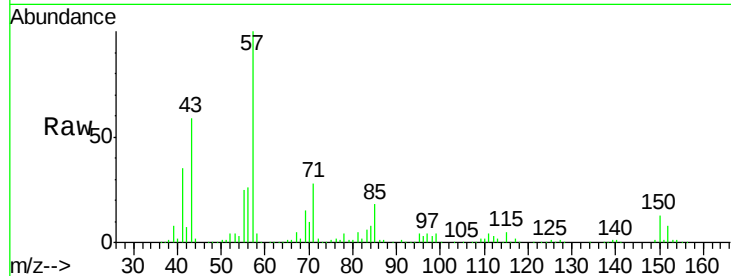


#1

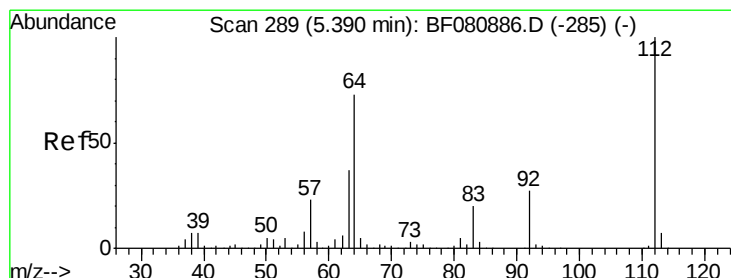
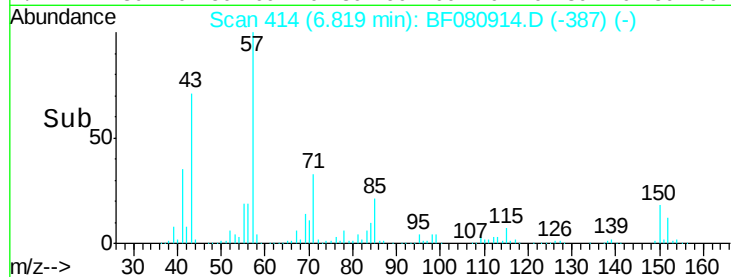
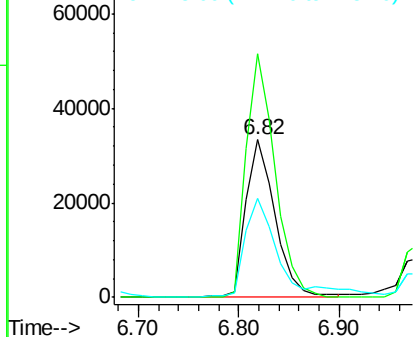
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 414
Delta R.T. 0.01 min
Lab File: BF080914.D
Acq: 7 Aug 2015 5:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 67619
Ion Ratio Lower Upper
152 100
150 154.5 132.2 198.2
115 62.8 54.9 82.3



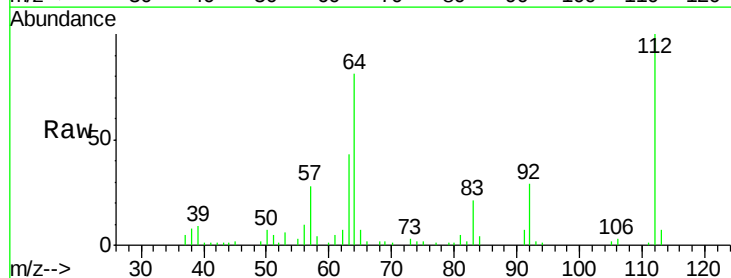
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



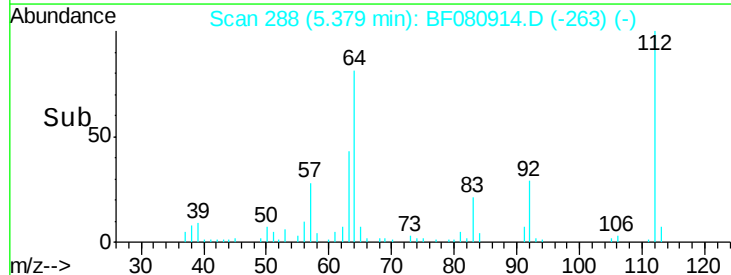
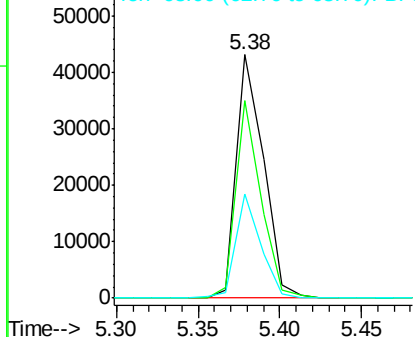
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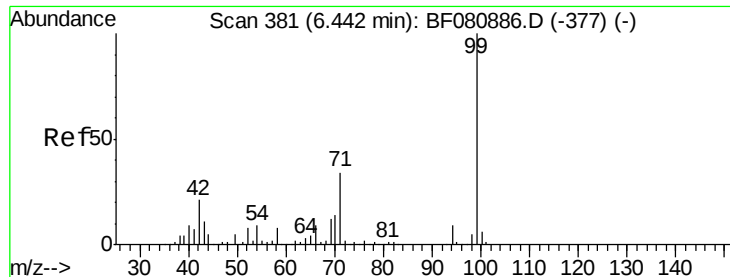
2-Fluorophenol
Concen: 11.63 ng
RT: 5.38 min Scan# 288
Delta R.T. -0.01 min
Lab File: BF080914.D
Acq: 7 Aug 2015 5:14

Tgt Ion:112 Resp: 49323
Ion Ratio Lower Upper
112 100
64 81.1 58.0 87.0
63 42.6 29.8 44.8



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: 12.53 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF080914.D

Acq: 7 Aug 2015 5:14

Instrument :

BNA_F

ClientSampleId :

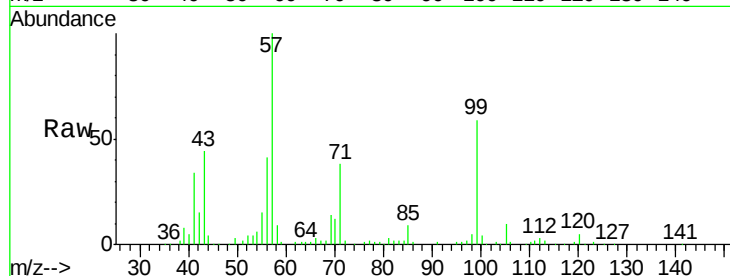
Tot Ion: 99 Resp: 73155

Ion Ratio Lower Upper

99 100

42 25.5 16.8 25.2#

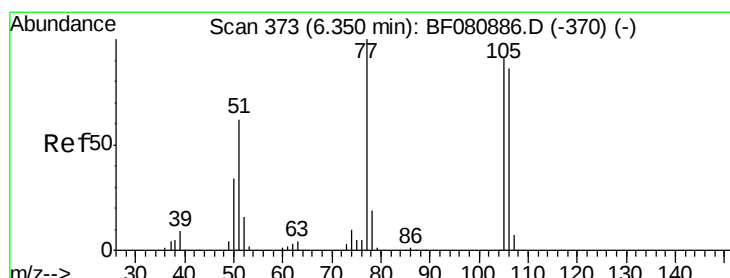
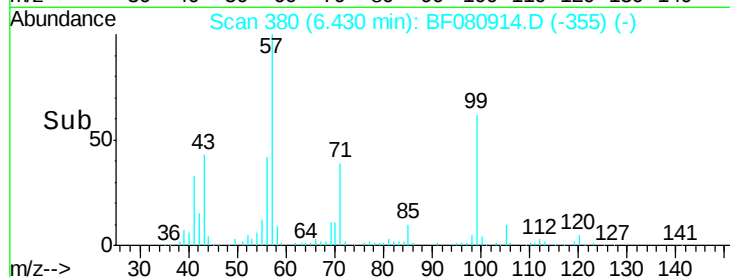
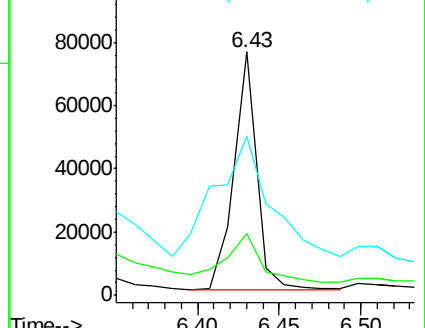
71 65.4 27.4 41.0#



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: 2.24 ng

RT: 6.36 min Scan# 374

Delta R.T. 0.01 min

Lab File: BF080914.D

Acq: 7 Aug 2015 5:14

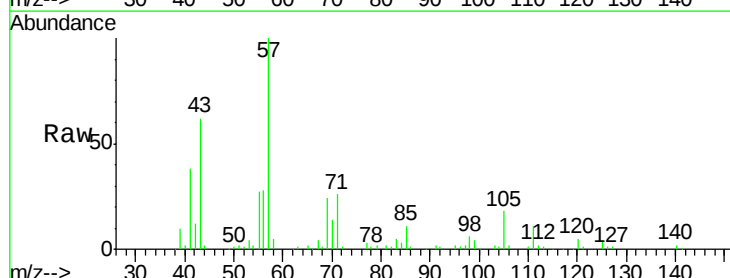
Tgt Ion: 77 Resp: 9030

Ion Ratio Lower Upper

77 100

105 659.4 70.7 110.7#

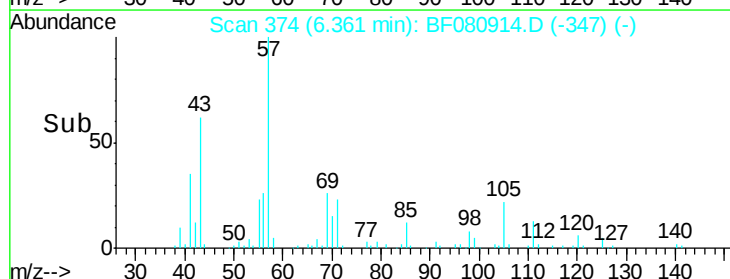
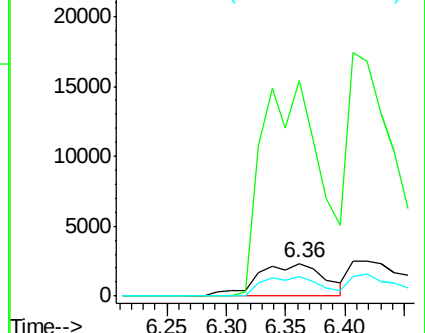
106 58.9 66.1 106.1#

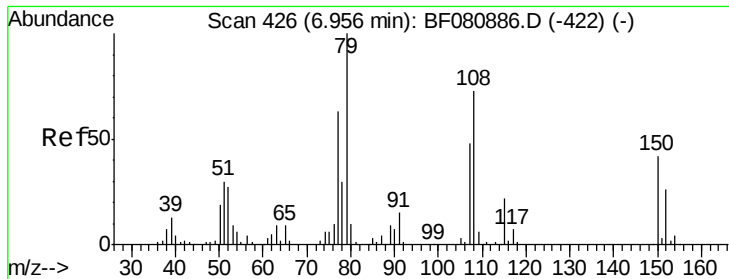


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 4.51 ng

RT: 7.02 min Scan# 432

Delta R.T. 0.07 min

Lab File: BF080914.D

Acq: 7 Aug 2015 5:14

Instrument :

BNA_F

ClientSampled :

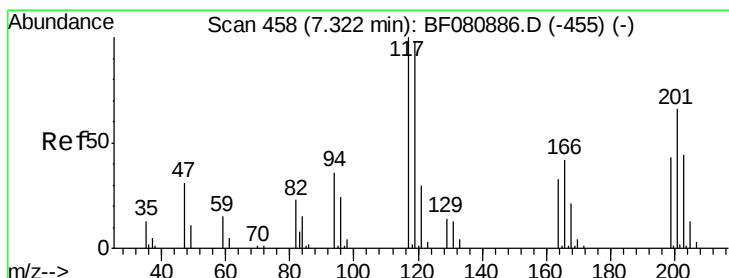
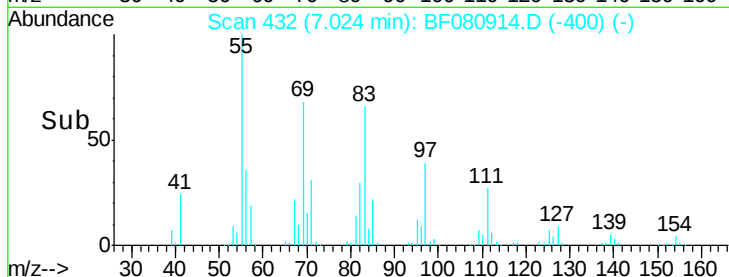
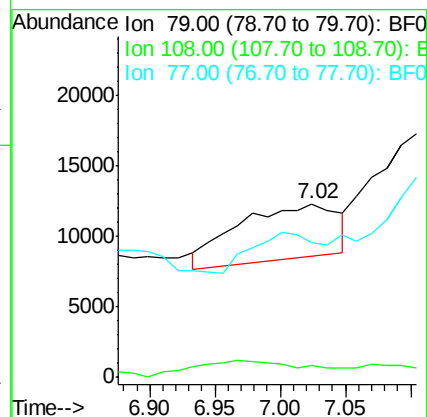
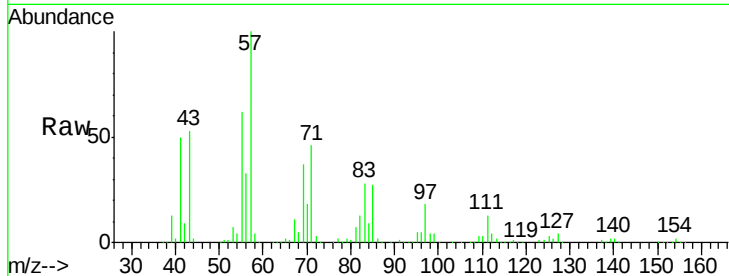
Tot Ion: 79 Resp: 20903

Ion Ratio Lower Upper

79 100

108 6.6 58.2 87.2#

77 77.7 50.0 75.0#



#18

Hexachloroethane

Concen: 17.89 ng

RT: 7.41 min Scan# 466

Delta R.T. 0.09 min

Lab File: BF080914.D

Acq: 7 Aug 2015 5:14

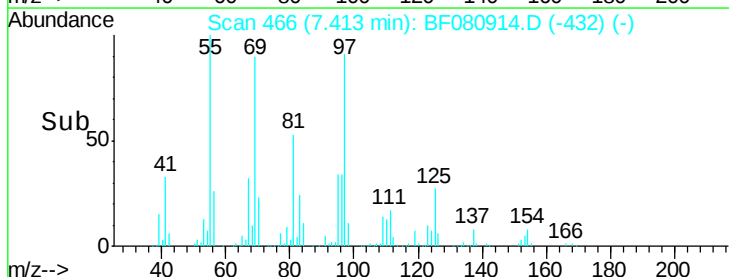
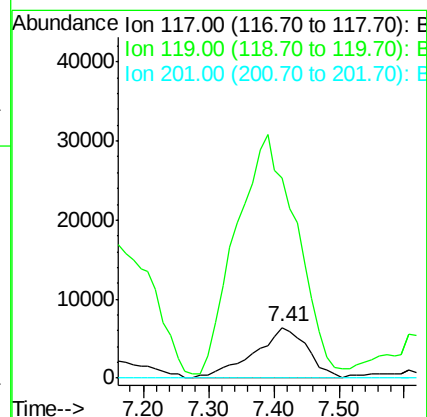
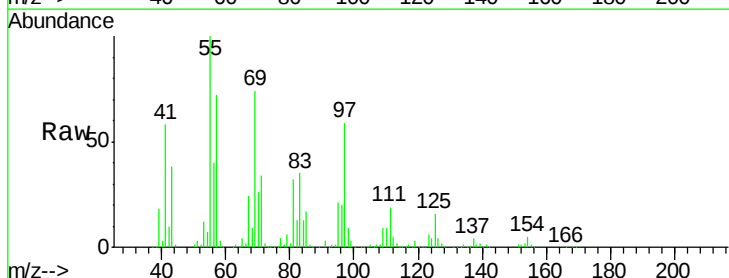
Tgt Ion: 117 Resp: 36149

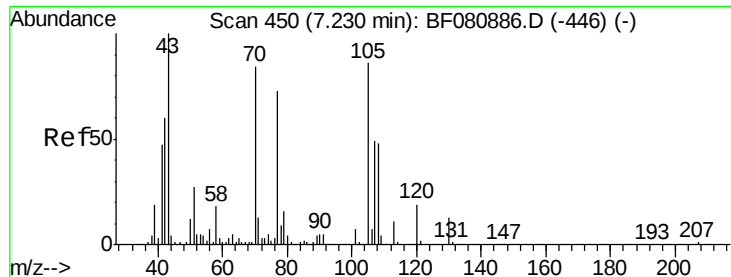
Ion Ratio Lower Upper

117 100

119 393.2 78.4 117.6#

201 0.0 53.1 79.7#

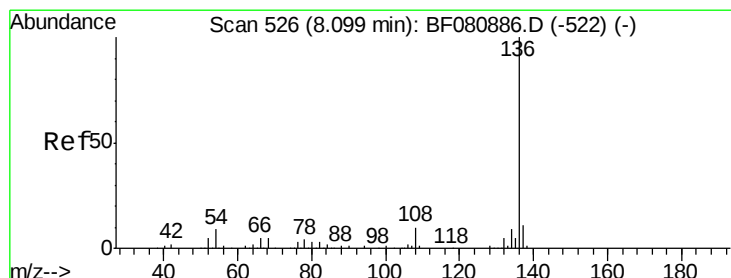
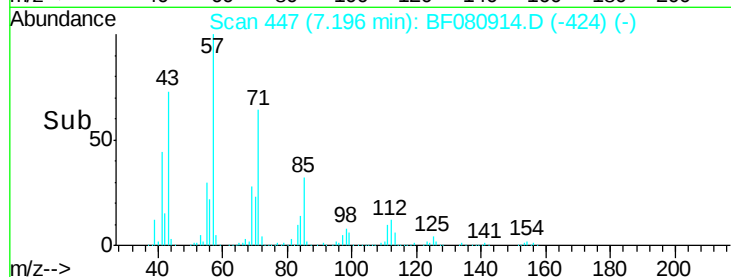
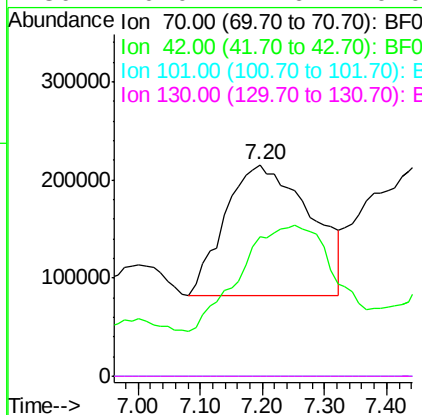
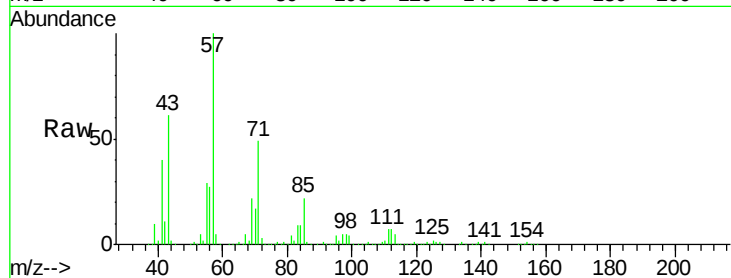




#19
n-Nitroso-di-n-propylamine
Concen: 305.23 ng
RT: 7.20 min Scan# 447
Delta R.T. -0.03 min
Lab File: BF080914.D
Acq: 7 Aug 2015 5:14

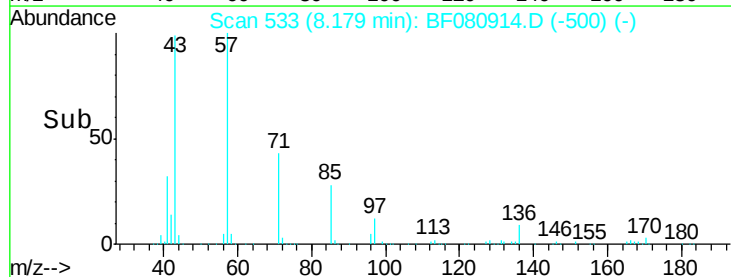
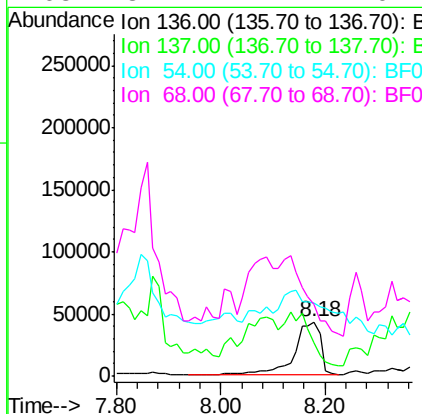
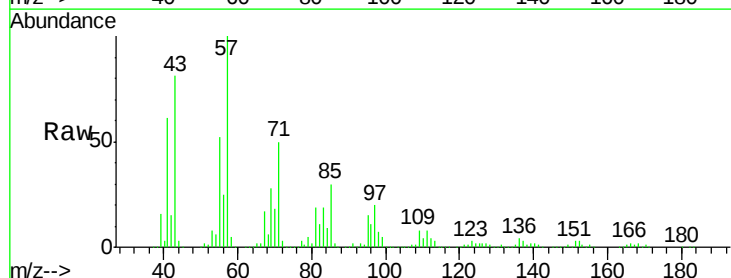
Instrument :
BNA_F
ClientSampleId :

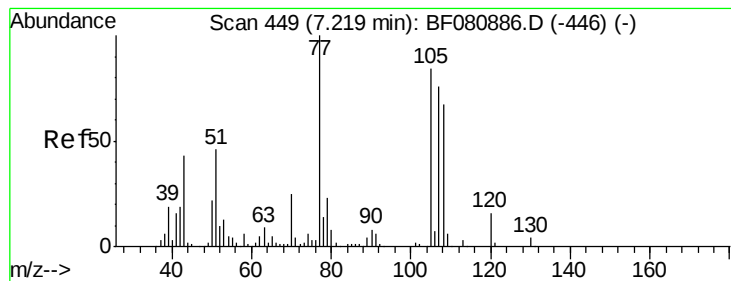
Tot Ion: 70 Resp: 1269027
Ion Ratio Lower Upper
70 100
42 66.1 57.2 85.8
101 0.0 6.6 9.8#
130 0.0 12.6 19.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 533
Delta R.T. 0.08 min
Lab File: BF080914.D
Acq: 7 Aug 2015 5:14

Tgt Ion:136 Resp: 152968
Ion Ratio Lower Upper
136 100
137 60.8 8.6 12.8#
54 136.9 7.5 11.3#
68 132.2 4.2 6.2#





#22

Acetophenone

Concen: 4.24 ng

RT: 7.38 min Scan# 463

Delta R.T. 0.16 min

Lab File: BF080914.D

Acq: 7 Aug 2015 5:14

Instrument :

BNA_F

ClientSampleId :

Tot Ion:105 Resp: 16223

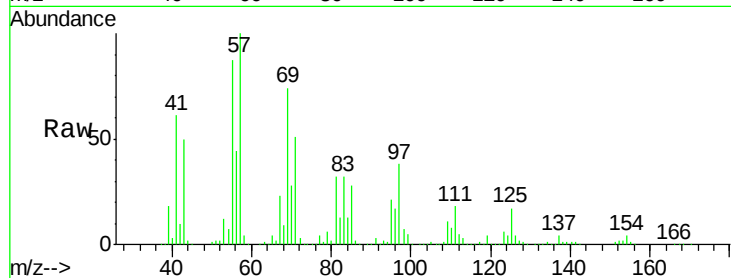
Ion Ratio Lower Upper

105 100

71 7065.6 3.8 5.8#

51 342.4 44.2 66.4#

120 58.5 15.4 23.0#

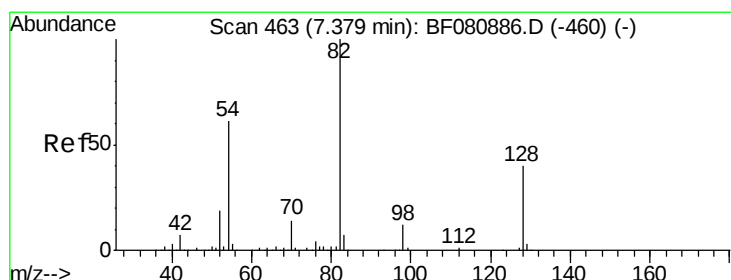
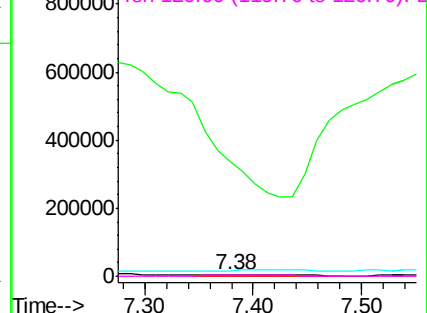
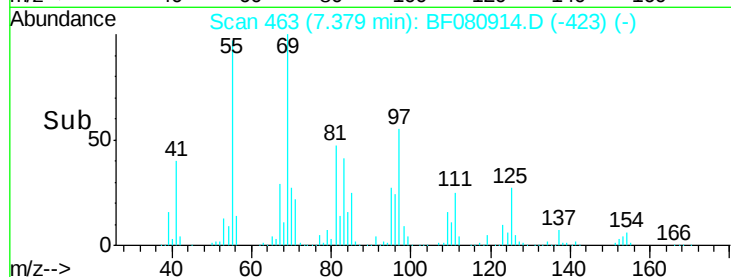


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 94.15 ng

RT: 7.42 min Scan# 467

Delta R.T. 0.05 min

Lab File: BF080914.D

Acq: 7 Aug 2015 5:14

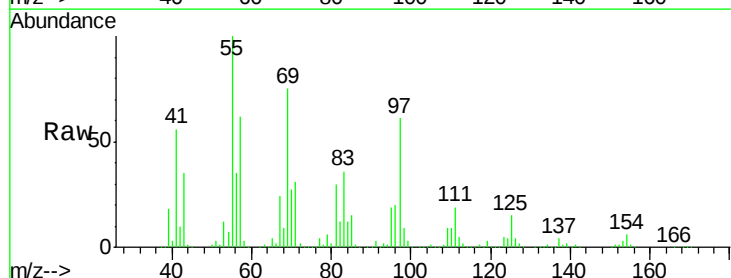
Tgt Ion: 82 Resp: 305707

Ion Ratio Lower Upper

82 100

128 1.5 31.8 47.6#

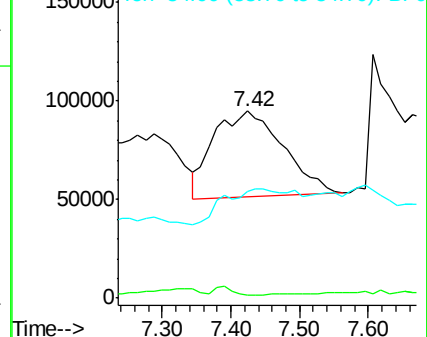
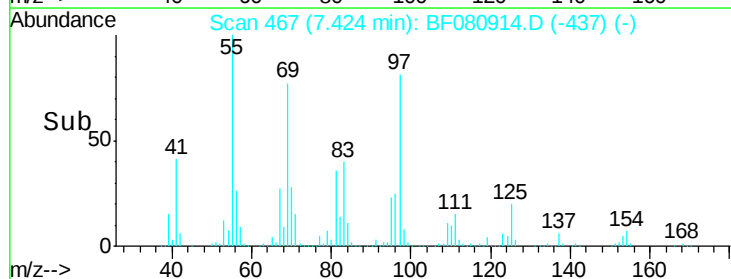
54 57.0 48.6 72.8

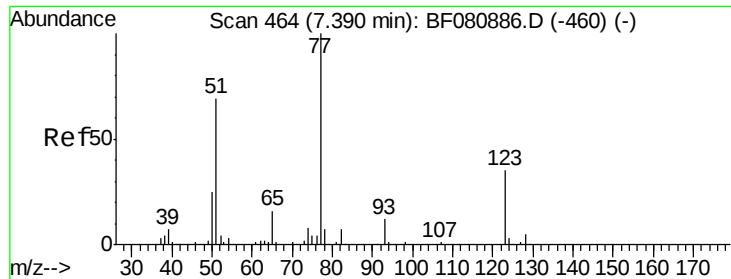


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

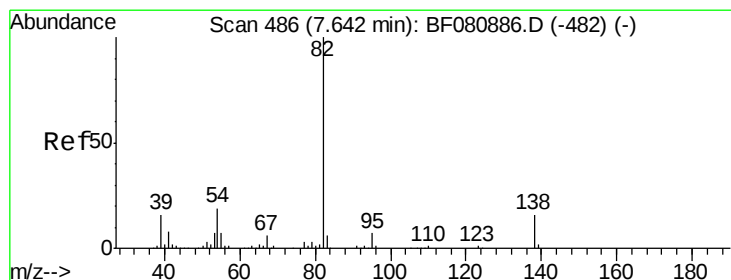
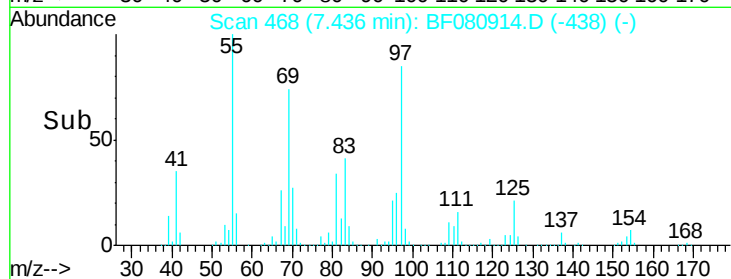
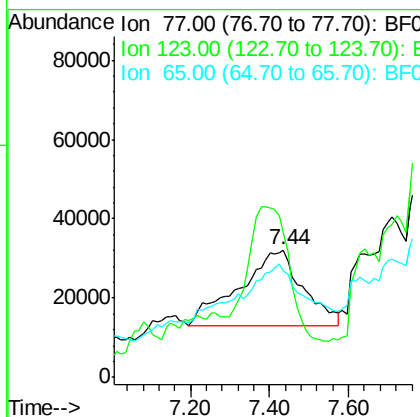
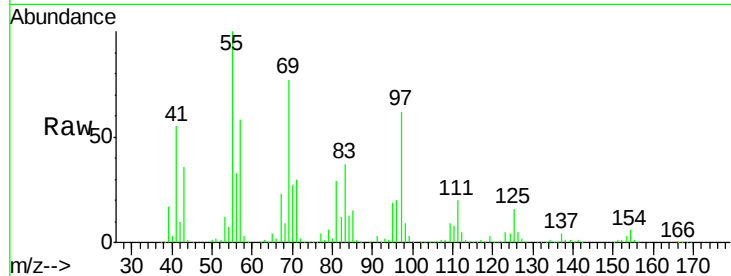




#24
Nitrobenzene
Concen: 64.28 ng
RT: 7.44 min Scan# 468
Delta R.T. 0.05 min
Lab File: BF080914.D
Acq: 7 Aug 2015 5:14

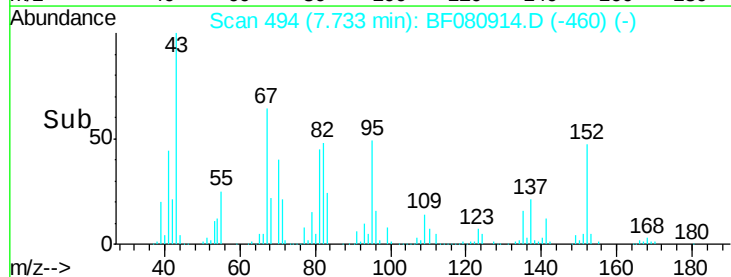
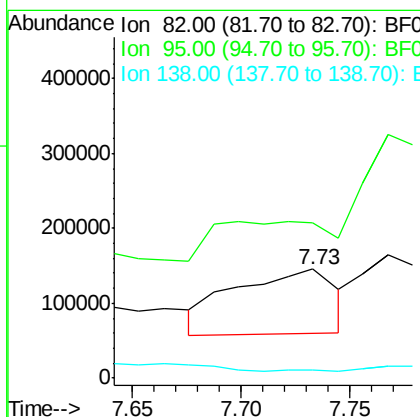
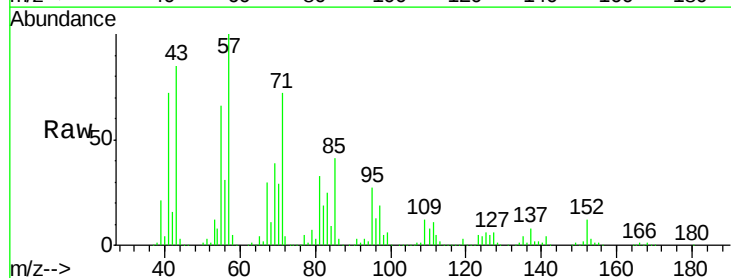
Instrument :
BNA_F
ClientSampled :

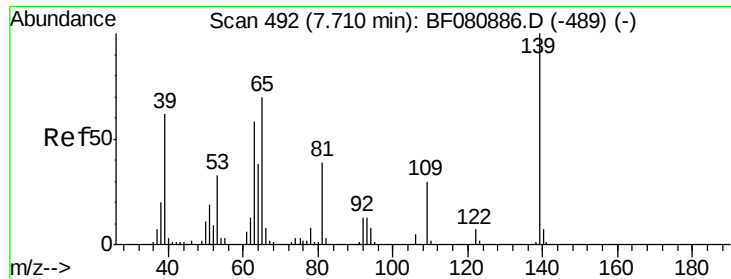
Tot Ion: 77 Resp: 212714
Ion Ratio Lower Upper
77 100
123 113.5 28.3 42.5#
65 83.8 12.5 18.7#



#25
Isophorone
Concen: 45.26 ng
RT: 7.73 min Scan# 494
Delta R.T. 0.09 min
Lab File: BF080914.D
Acq: 7 Aug 2015 5:14

Tgt Ion: 82 Resp: 281672
Ion Ratio Lower Upper
82 100
95 142.3 5.7 8.5#
138 7.9 13.0 19.6#

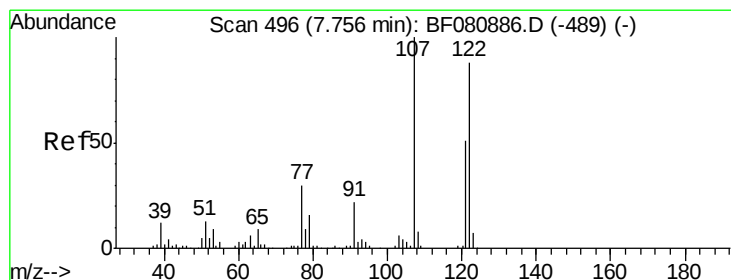
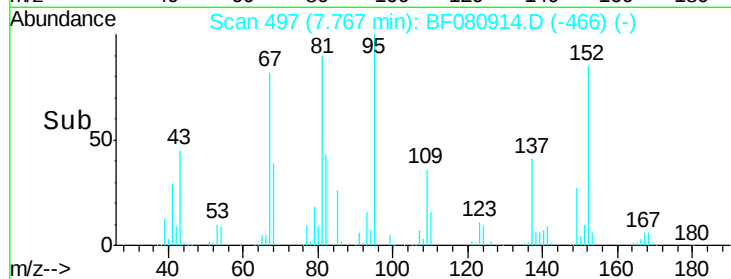
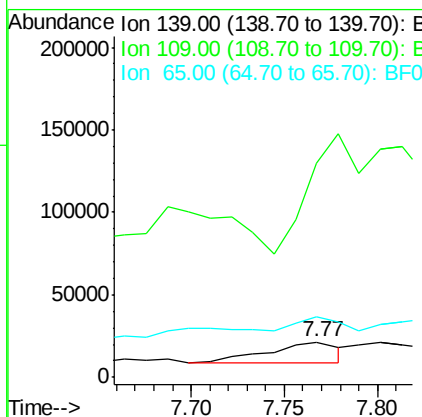
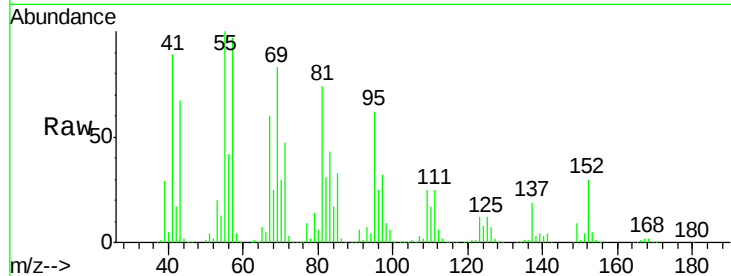




#26
2-Nitrophenol
Concen: 25.99 ng
RT: 7.77 min Scan# 497
Delta R.T. 0.06 min
Lab File: BF080914.D
Acq: 7 Aug 2015 5:14

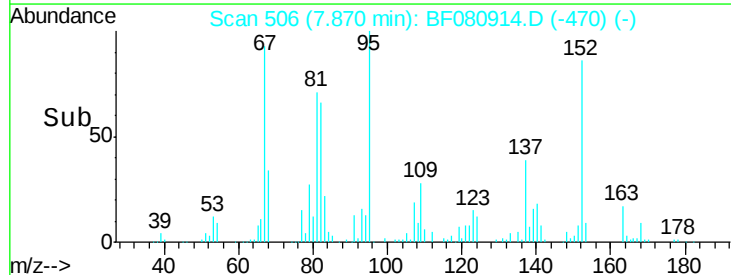
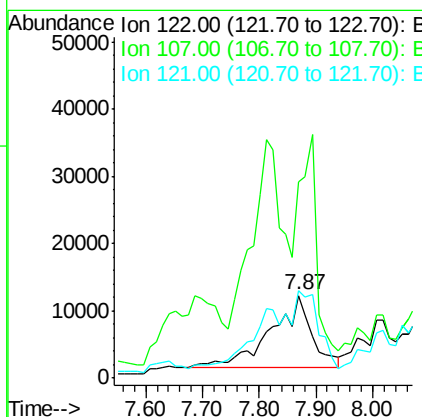
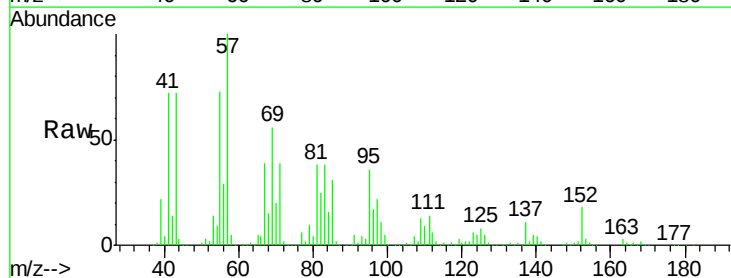
Instrument :
BNA_F
ClientSampleId :

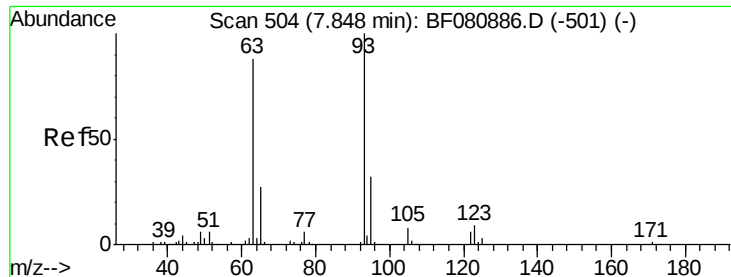
Tot Ion	Ratio	Lower	Upper
139	100		
109	602.4	24.2	36.4#
65	170.1	55.6	83.4#



#27
2,4-Dimethylphenol
Concen: 20.25 ng
RT: 7.87 min Scan# 506
Delta R.T. 0.11 min
Lab File: BF080914.D
Acq: 7 Aug 2015 5:14

Tgt Ion	Ratio	Lower	Upper
122	100		
107	237.8	91.1	136.7#
121	106.1	46.2	69.4#

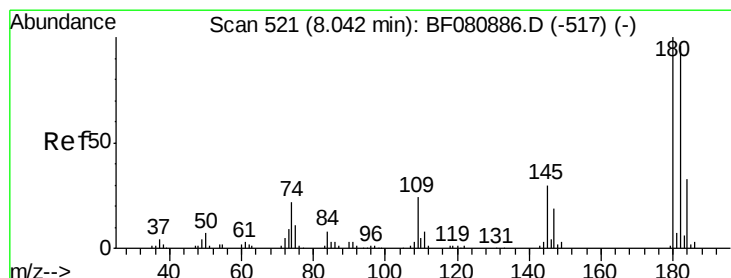
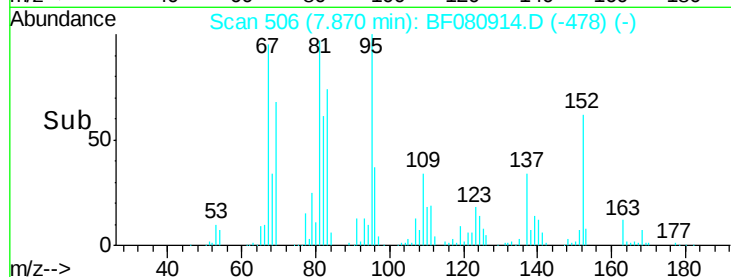
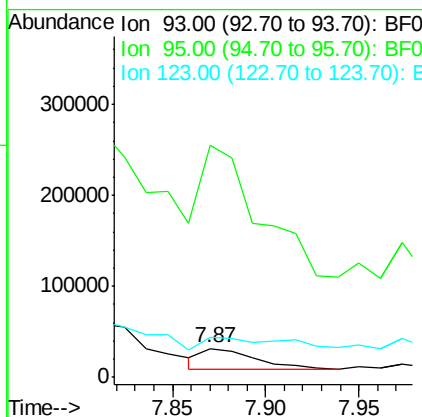
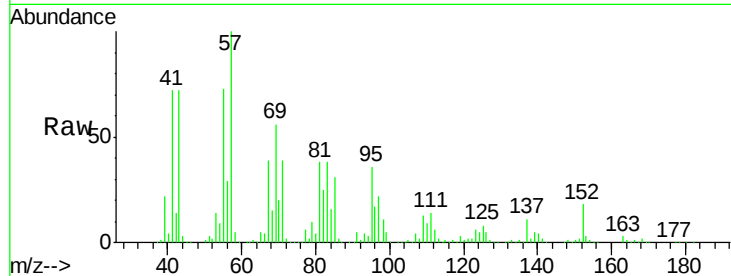




#28
bis(2-Chloroethoxy)methane
Concen: 11.59 ng
RT: 7.87 min Scan# 506
Delta R.T. 0.02 min
Lab File: BF080914.D
Acq: 7 Aug 2015 5:14

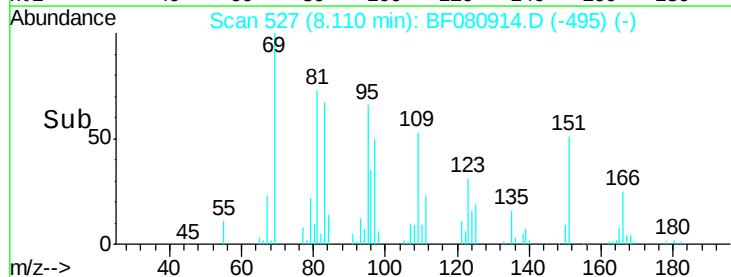
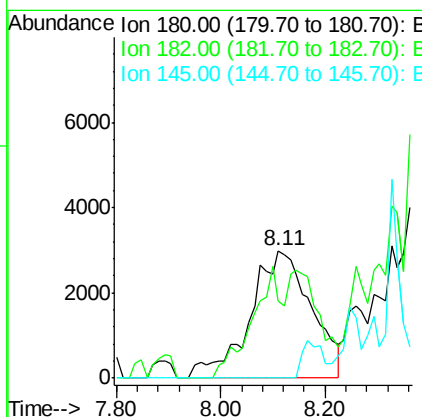
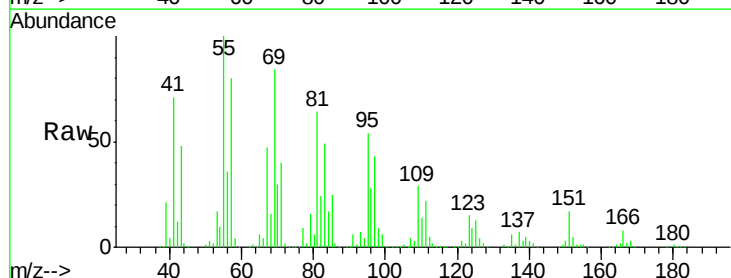
Instrument :
BNA_F
ClientSampleId :

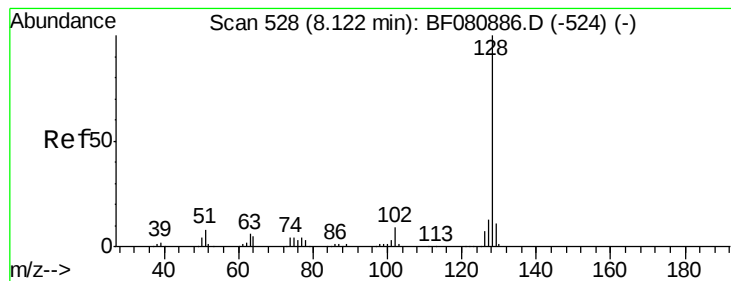
Tot Ion: 93 Resp: 42755
Ion Ratio Lower Upper
93 100
95 805.2 25.5 38.3#
123 138.6 7.6 11.4#



#30
1,2,4-Trichlorobenzene
Concen: 10.35 ng
RT: 8.11 min Scan# 527
Delta R.T. 0.07 min
Lab File: BF080914.D
Acq: 7 Aug 2015 5:14

Tgt Ion:180 Resp: 24387
Ion Ratio Lower Upper
180 100
182 60.9 76.8 115.2#
145 0.0 24.2 36.2#





#31

Naphthalene

Concen: 4.63 ng

RT: 8.20 min Scan# 535

Delta R.T. 0.08 min

Lab File: BF080914.D

Acq: 7 Aug 2015 5:14

Instrument :

BNA_F

ClientSampleId :

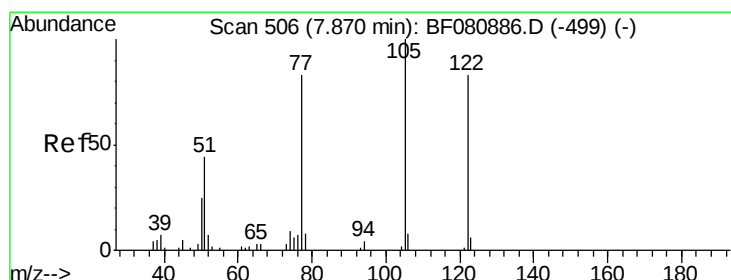
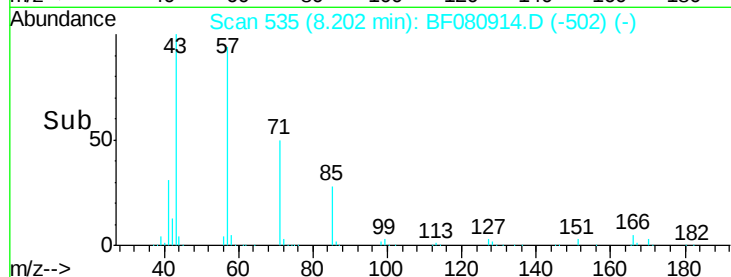
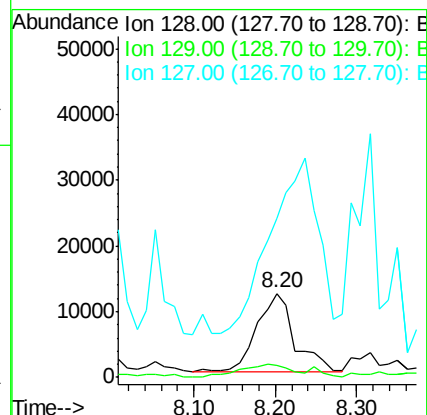
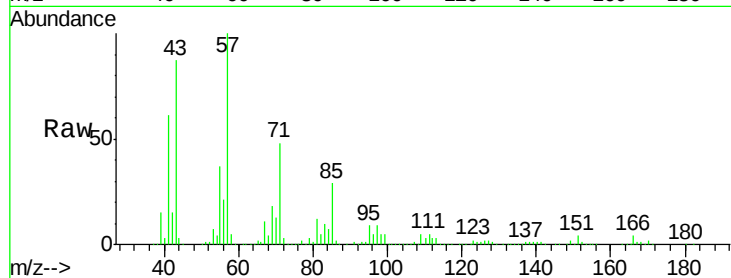
Tot Ion:128 Resp: 38460

Ion Ratio Lower Upper

128 100

129 14.4 8.6 13.0#

127 189.2 10.6 15.8#



#32

Benzoic acid

Concen: 10.68 ng

RT: 8.01 min Scan# 518

Delta R.T. 0.14 min

Lab File: BF080914.D

Acq: 7 Aug 2015 5:14

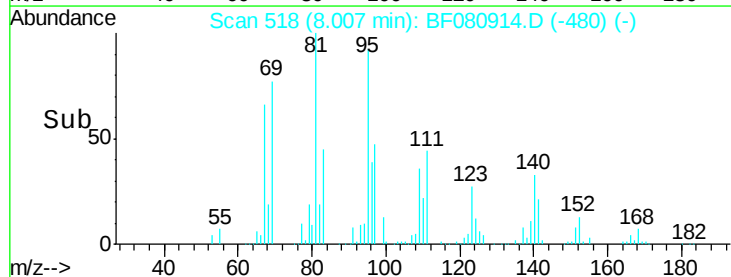
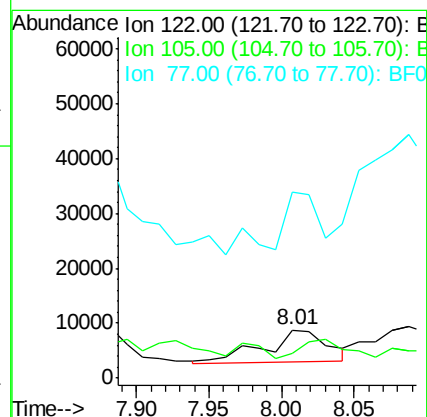
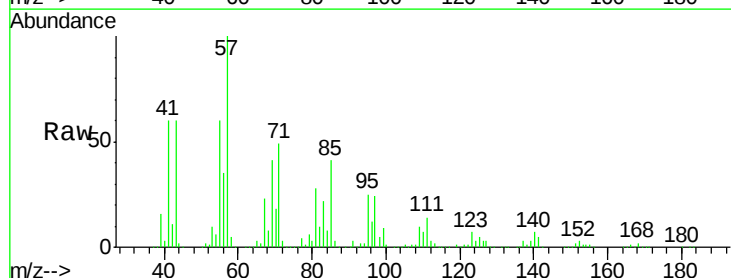
Tgt Ion:122 Resp: 18105

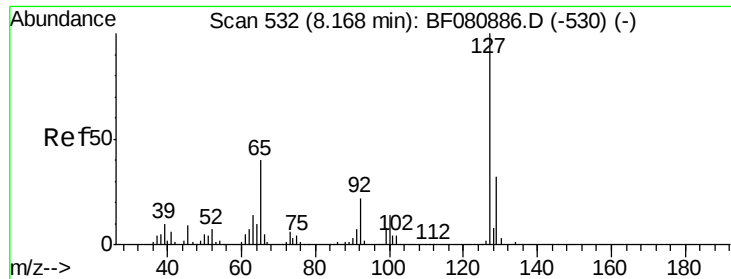
Ion Ratio Lower Upper

122 100

105 53.1 101.6 141.6#

77 389.2 80.9 120.9#

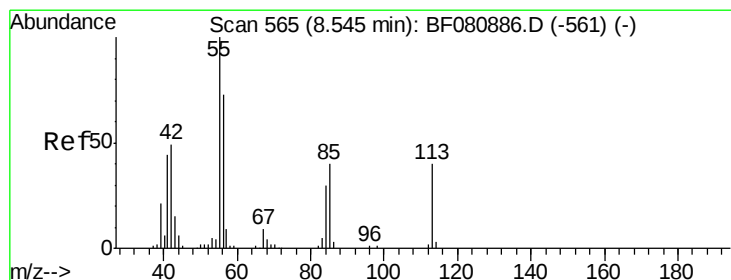
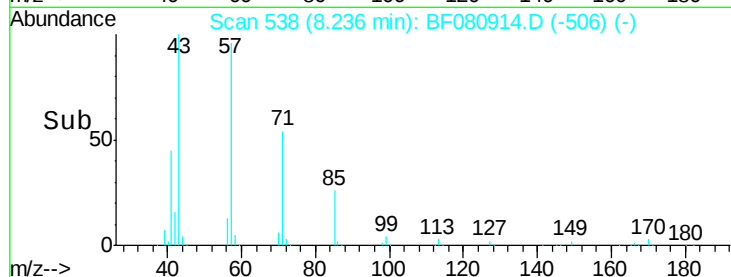
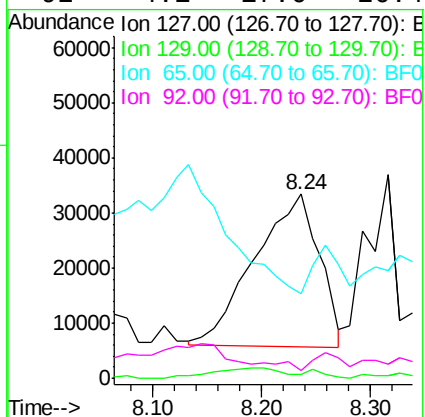
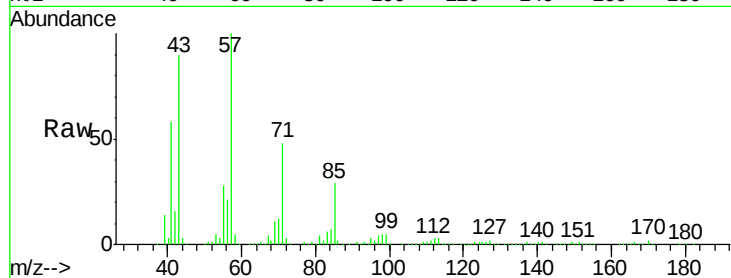




#33
4-Chloroaniline
Concen: 33.19 ng
RT: 8.24 min Scan# 538
Delta R.T. 0.07 min
Lab File: BF080914.D
Acq: 7 Aug 2015 5:14

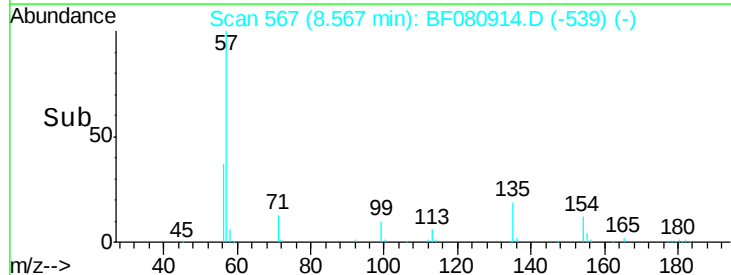
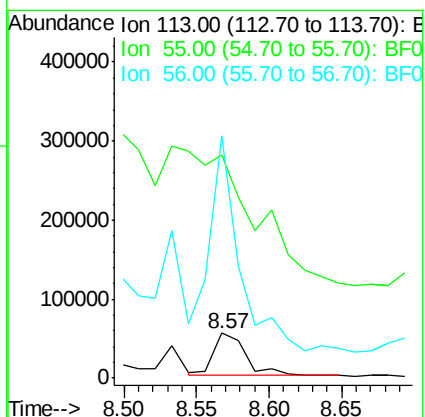
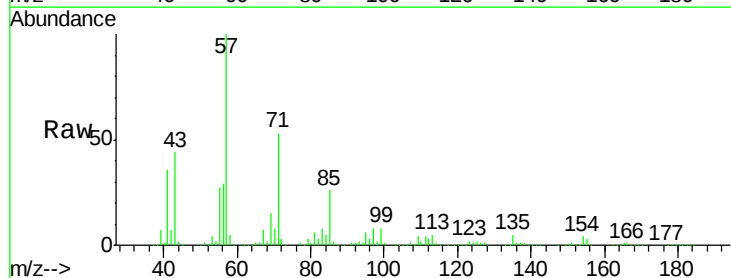
Instrument :
BNA_F
ClientSampled :

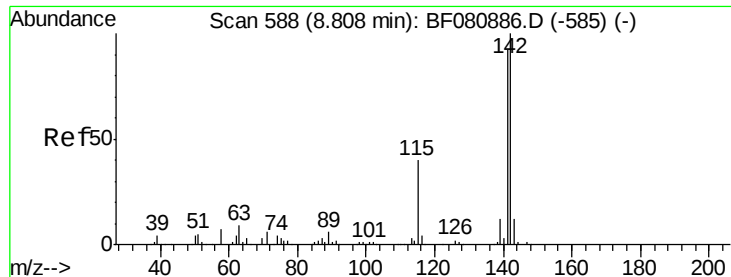
Tot Ion:127 Resp: 113872
Ion Ratio Lower Upper
127 100
129 2.0 25.8 38.8#
65 45.7 31.7 47.5
92 4.1 17.6 26.4#



#35
Caprolactam
Concen: 103.22 ng
RT: 8.57 min Scan# 567
Delta R.T. 0.02 min
Lab File: BF080914.D
Acq: 7 Aug 2015 5:14

Tgt Ion:113 Resp: 81852
Ion Ratio Lower Upper
113 100
55 494.7 228.4 268.4#
56 537.0 161.5 201.5#

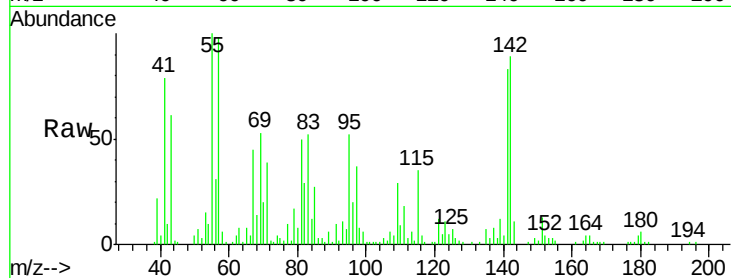




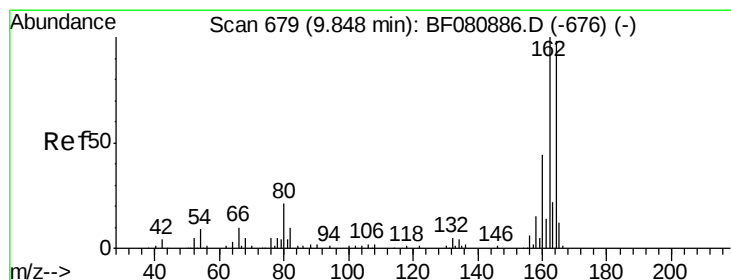
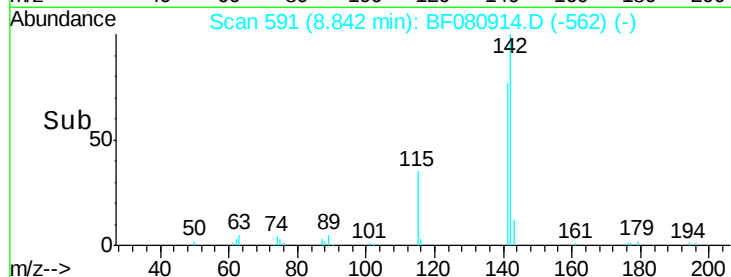
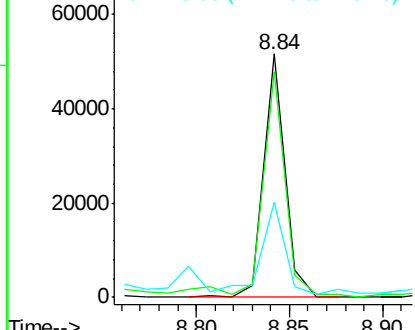
#37
2-Methylnaphthalene
Concen: 8.09 ng
RT: 8.84 min Scan# 591
Delta R.T. 0.03 min
Lab File: BF080914.D
Acq: 7 Aug 2015 5:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:142 Resp: 41409
Ion Ratio Lower Upper
142 100
141 92.9 73.5 110.3
115 38.9 32.1 48.1

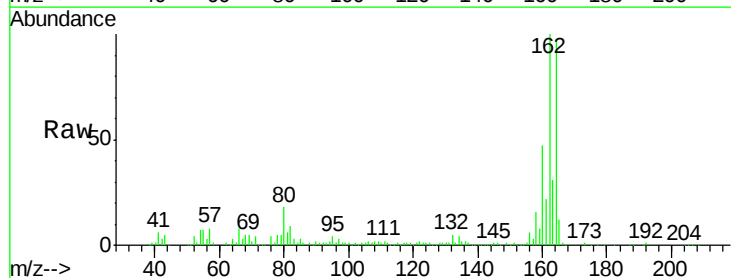


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

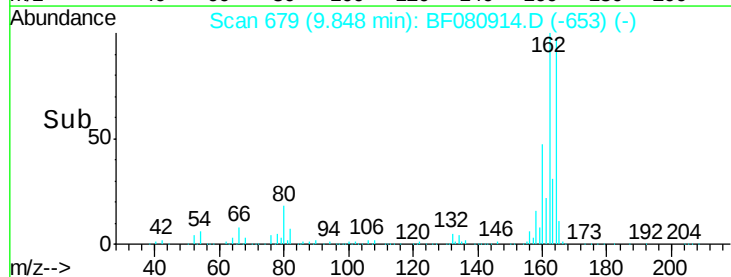
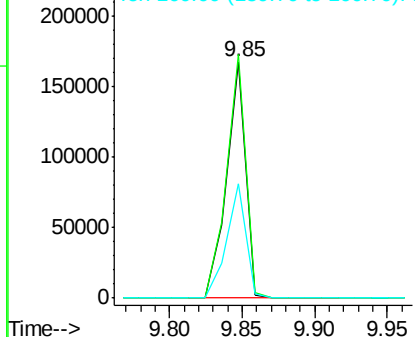


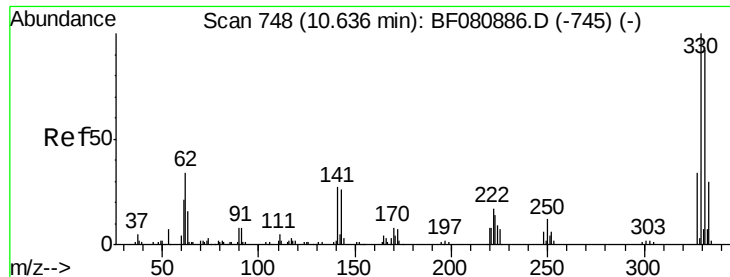
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.00 min
Lab File: BF080914.D
Acq: 7 Aug 2015 5:14

Tgt Ion:164 Resp: 153415
Ion Ratio Lower Upper
164 100
162 102.9 81.5 122.3
160 48.2 35.9 53.9



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

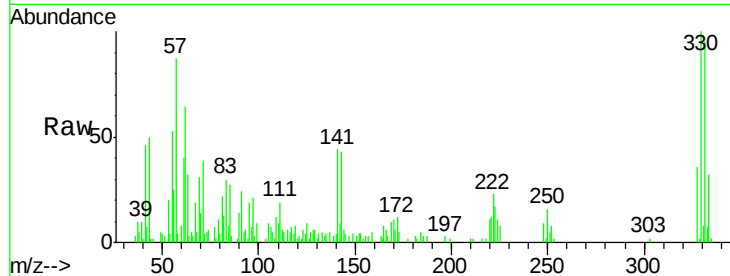




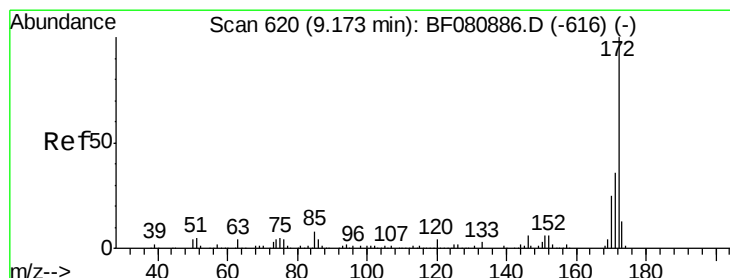
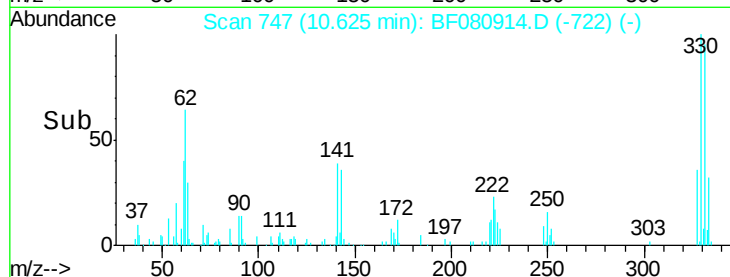
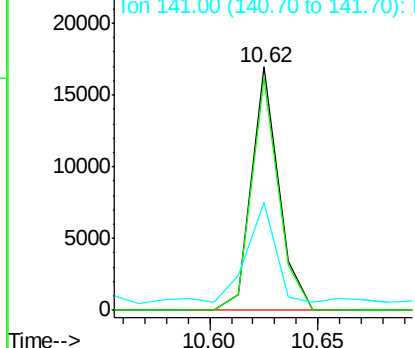
#41
 2,4,6-Tribromophenol
 Concen: 8.97 ng
 RT: 10.62 min Scan# 747
 Delta R.T. -0.01 min
 Lab File: BF080914.D
 Acq: 7 Aug 2015 5:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 14779
 Ion Ratio Lower Upper
 330 100
 332 94.9 74.1 111.1
 141 43.5 30.1 45.1

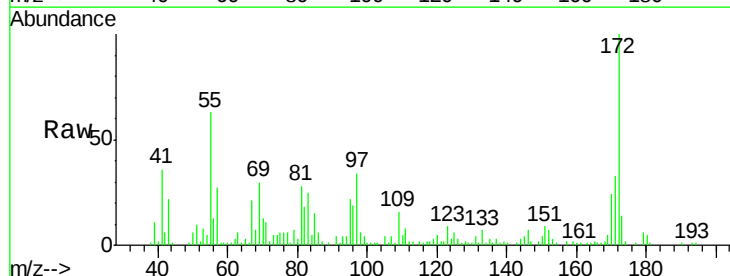


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

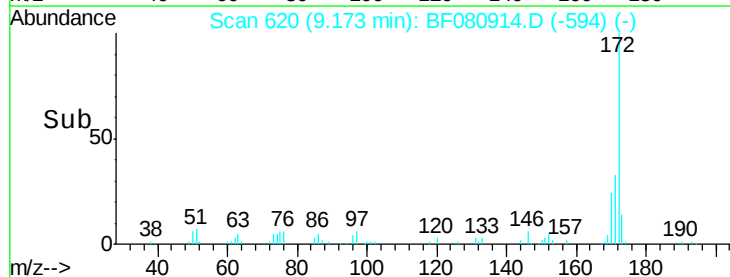
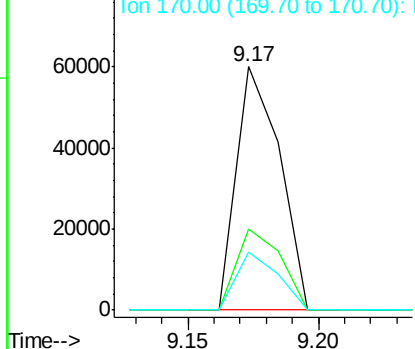


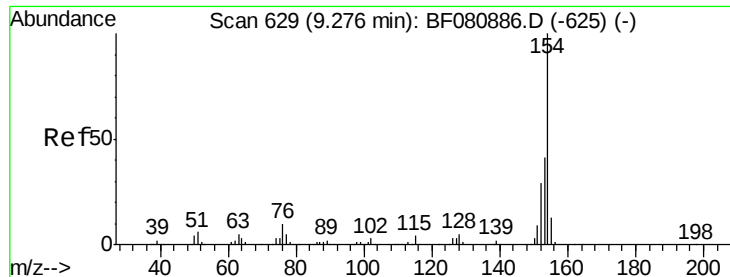
#44
 2-Fluorobiphenyl
 Concen: 6.47 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.00 min
 Lab File: BF080914.D
 Acq: 7 Aug 2015 5:14

Tgt Ion:172 Resp: 69661
 Ion Ratio Lower Upper
 172 100
 171 33.3 29.0 43.4
 170 23.8 19.9 29.9



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: 4.76 ng

RT: 9.28 min Scan# 629

Delta R.T. -0.00 min

Lab File: BF080914.D

Acq: 7 Aug 2015 5:14

Instrument :

BNA_F

ClientSampled :

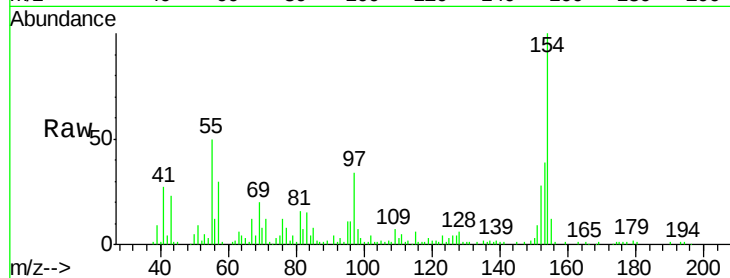
Tot Ion:154 Resp: 61733

Ion Ratio Lower Upper

154 100

153 39.2 20.8 60.8

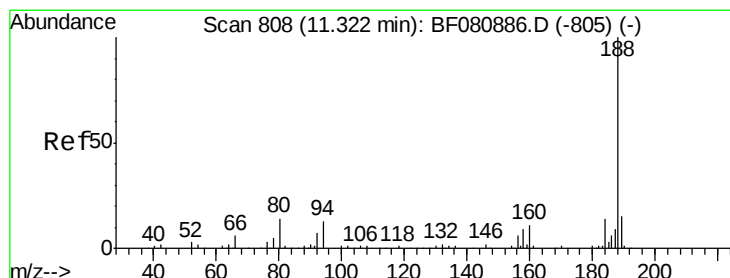
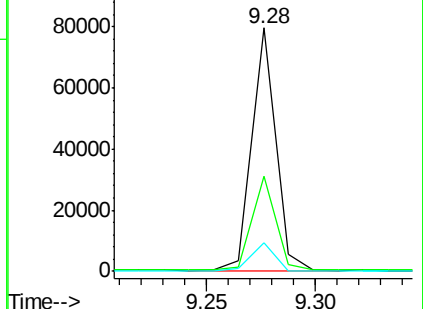
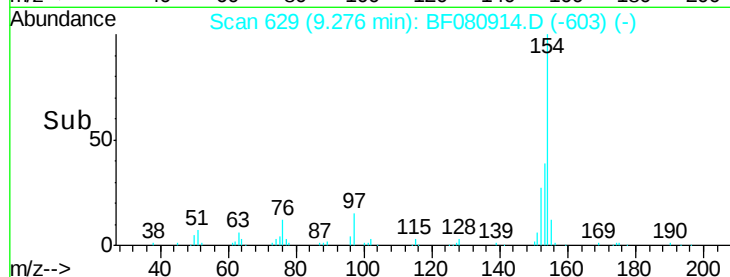
76 11.8 0.0 30.3



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: 11.32 min Scan# 808

Delta R.T. -0.00 min

Lab File: BF080914.D

Acq: 7 Aug 2015 5:14

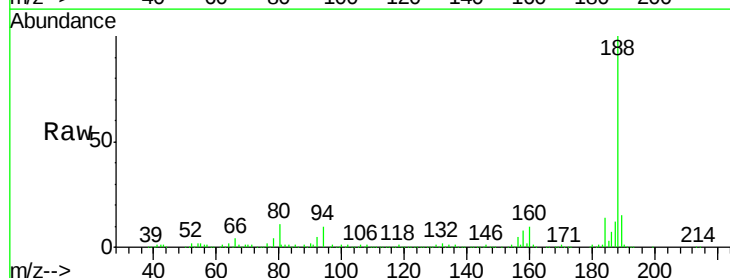
Tgt Ion:188 Resp: 315646

Ion Ratio Lower Upper

188 100

94 10.0 10.2 15.2#

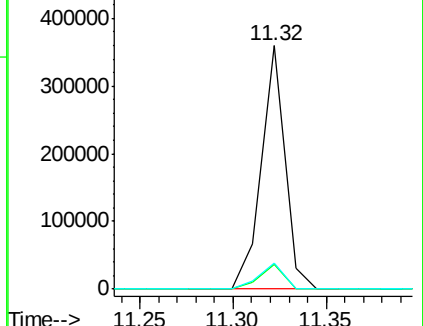
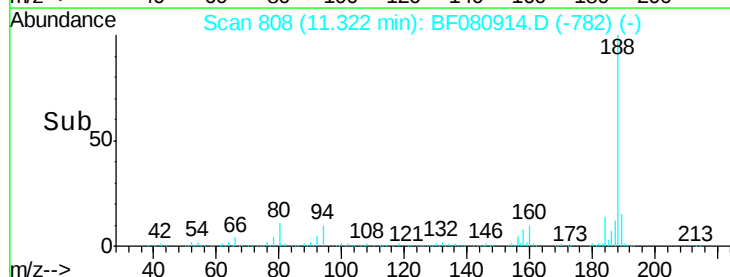
80 10.8 11.4 17.2#

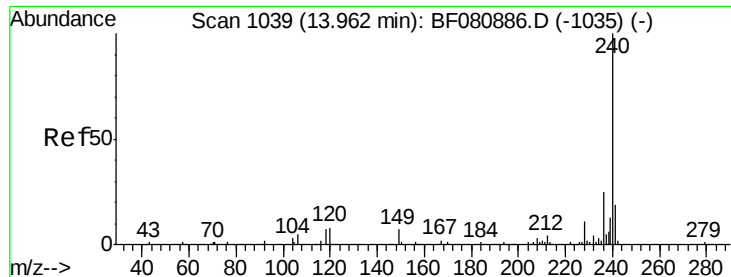


Abundance Ion 188.00 (187.70 to 188.70): E

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: 13.95 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF080914.D

Acq: 7 Aug 2015 5:14

Instrument :

BNA_F

ClientSampleId :

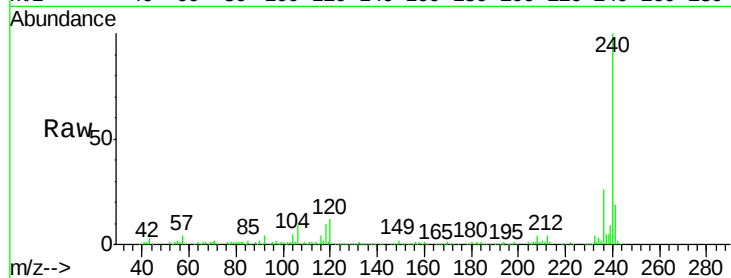
Tot Ion:240 Resp: 278870

Ion Ratio Lower Upper

240 100

120 11.6 6.4 9.6#

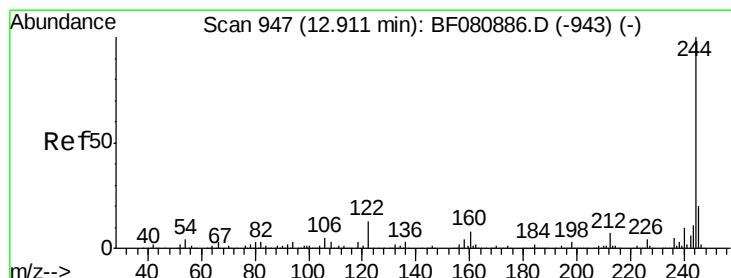
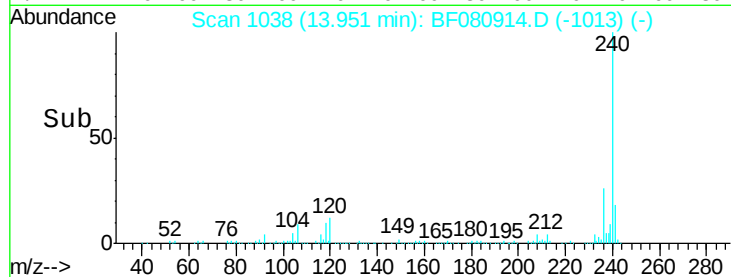
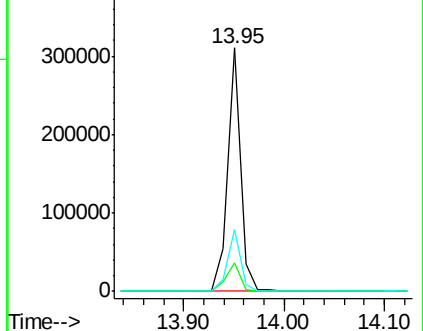
236 25.6 20.2 30.4



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



#78

Terphenyl-d14

Concen: 6.56 ng

RT: 12.90 min Scan# 946

Delta R.T. -0.01 min

Lab File: BF080914.D

Acq: 7 Aug 2015 5:14

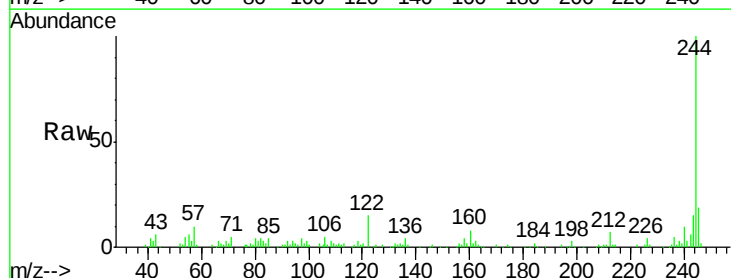
Tgt Ion:244 Resp: 86793

Ion Ratio Lower Upper

244 100

212 7.4 5.9 8.9

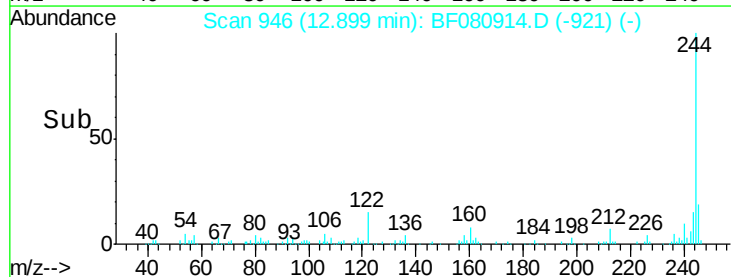
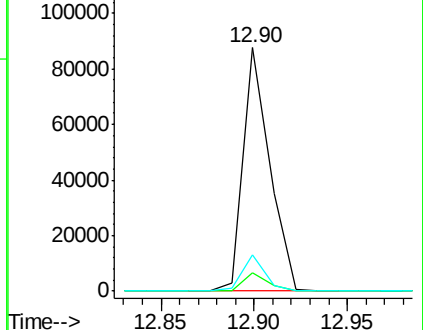
122 15.0 10.6 16.0

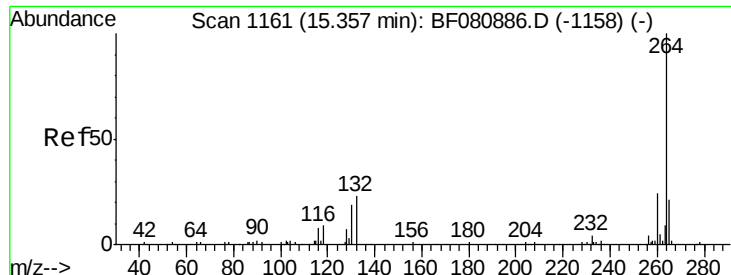


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

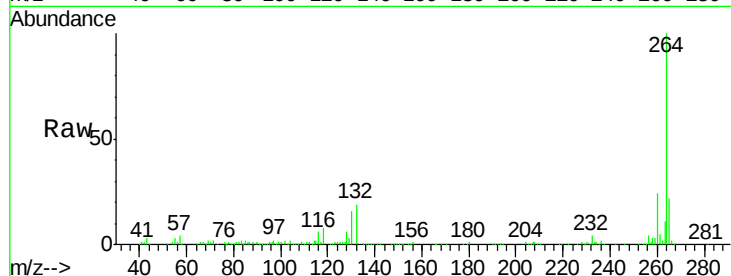




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BF080914.D
Acq: 7 Aug 2015 5:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.0	28.4
265	21.8	17.0	25.6



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

