

Data Path : Z:\HPCHEM1\BNA_F\Data\BF033015\
 Data File : BF078107.D
 Acq On : 31 Mar 2015 9:21
 Operator : TP/IZ
 Sample : G1677-09DL 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DEL-3S-2(7.0-7.5)DL

Quant Time: Mar 31 11:11:13 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 28 05:37:34 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.06	152	35855	20.00	ng	-0.01
21) Naphthalene-d8	8.64	136	144898	20.00	ng	-0.01
38) Acenaphthene-d10	10.81	164	72764	20.00	ng	-0.01
63) Phenanthrene-d10	12.65	188	144606	20.00	ng	-0.01
75) Chrysene-d12	15.94	240	164735	20.00	ng	0.01
86) Perylene-d12	17.76	264	159892	20.00	ng	0.14

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	21137	10.29	ng	-0.01
7) Phenol-d6	6.65	99	30431	11.99	ng	-0.02
23) Nitrobenzene-d5	7.76	82	23365	10.57	ng	-0.02
41) 2,4,6-Tribromophenol	11.79	330	6004	8.62	ng	-0.01
44) 2-Fluorobiphenyl	9.98	172	38114	7.70	ng	-0.01
78) Terphenyl-d14	14.65	244	44473	6.59	ng	0.00

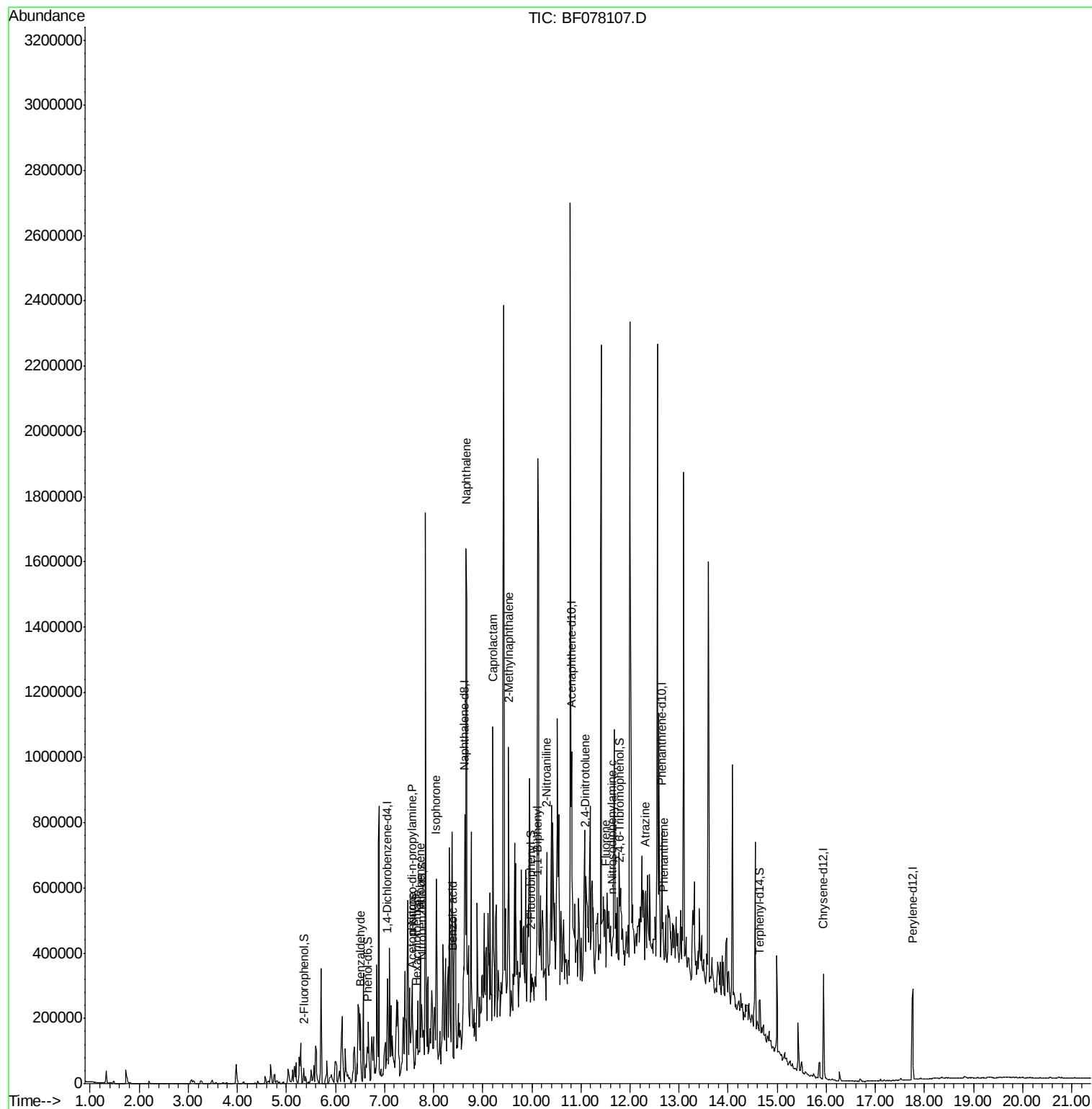
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.51	77	4903	4.72	ng	# 1
18) Hexachloroethane	7.64	117	5363	5.79	ng	# 1
19) n-Nitroso-di-n-propylamine	7.56	70	6855	3.90	ng	# 54
22) Acetophenone	7.55	105	75762	23.62	ng	# 57
24) Nitrobenzene	7.73	77	11068	4.65	ng	# 27
25) Isophorone	8.05	82	13346	2.99	ng	# 1
31) Naphthalene	8.66	128	101347	13.62	ng	# 91
32) Benzoic acid	8.38	122	787	3.71	ng	# 1
35) Caprolactam	9.21	113	17362	29.34	ng	# 19
37) 2-Methylnaphthalene	9.53	142	220166	44.04	ng	100
45) 1,1'-Biphenyl	10.11	154	50518	8.69	ng	97
47) 2-Nitroaniline	10.30	65	2693	2.29	ng	# 30
56) 2,4-Dinitrotoluene	11.08	165	5662	3.88	ng	# 51
57) Fluorene	11.49	166	31139	5.61	ng	# 84
65) n-Nitrosodiphenylamine	11.64	169	29463	6.12	ng	# 41
68) Atrazine	12.32	200	3688	2.73	ng	# 68
70) Phenanthrene	12.68	178	69151	8.33	ng	# 95
76) Benzidine	14.35	184	1556	Below Cal		# 1

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

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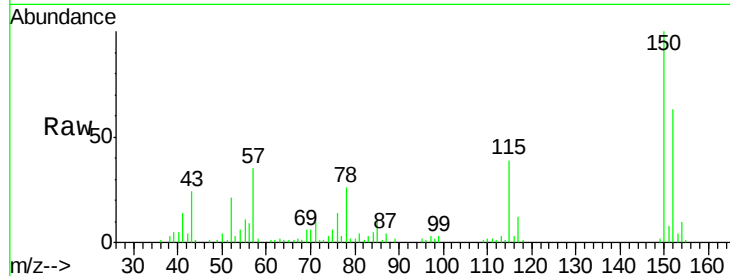




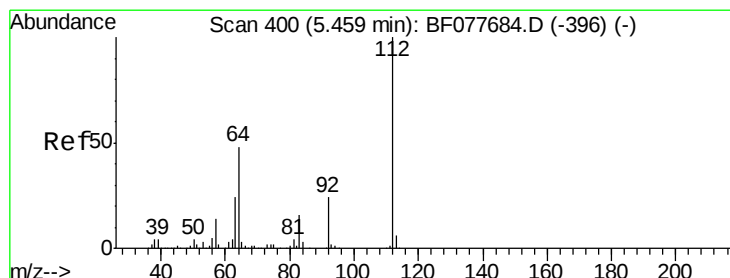
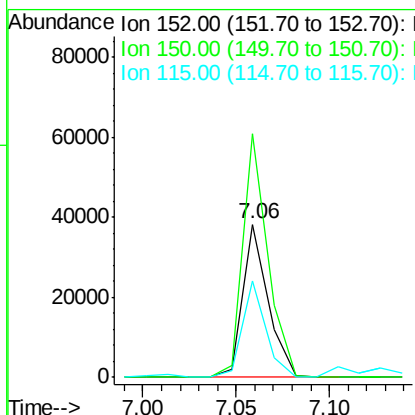
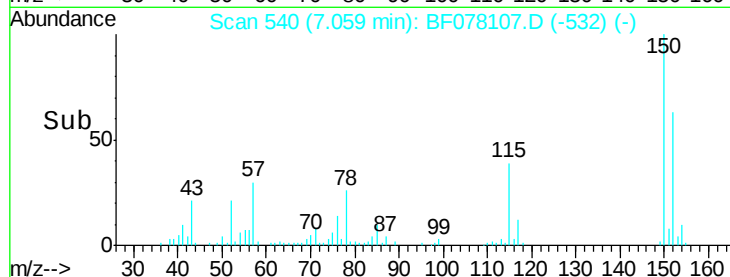
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.06 min Scan# 540
 Delta R.T. -0.01 min
 Lab File: BF078107.D
 Acq: 31 Mar 2015 9:21

Instrument :
 BNA_F
 ClientSampleId :
 DEL-3S-2(7.0-7.5)DL

Tgt Ion:152 Resp: 35855
 Ion Ratio Lower Upper
 152 100
 150 159.3 119.5 179.3
 115 62.7 43.0 64.4

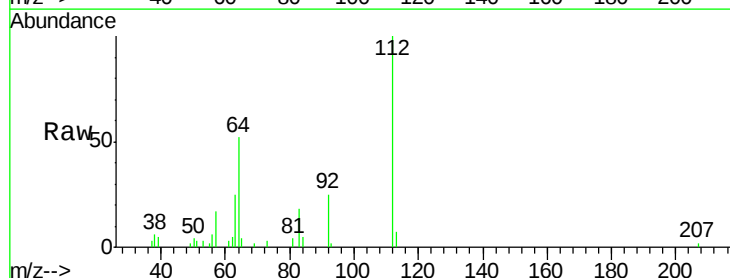


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

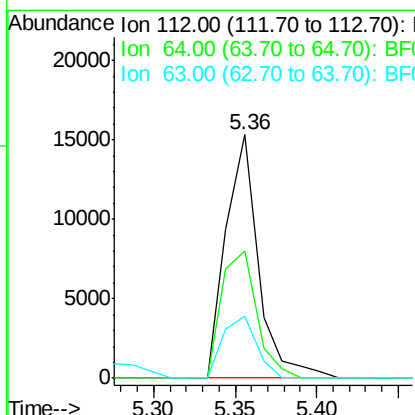
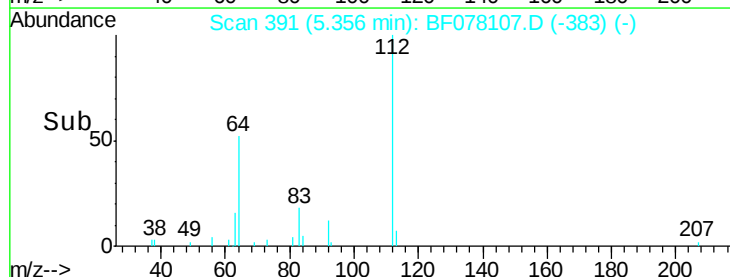


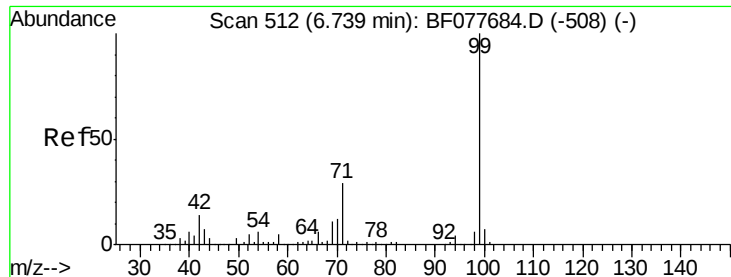
#5
 2-Fluorophenol
 Concen: 10.29 ng
 RT: 5.36 min Scan# 391
 Delta R.T. -0.01 min
 Lab File: BF078107.D
 Acq: 31 Mar 2015 9:21

Tgt Ion:112 Resp: 21137
 Ion Ratio Lower Upper
 112 100
 64 52.0 38.6 57.8
 63 25.2 19.3 28.9



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: 11.99 ng

RT: 6.65 min Scan# 504

Delta R.T. -0.02 min

Lab File: BF078107.D

Acq: 31 Mar 2015 9:21

Instrument :

BNA_F

ClientSampleId :

DEL-3S-2(7.0-7.5)DL

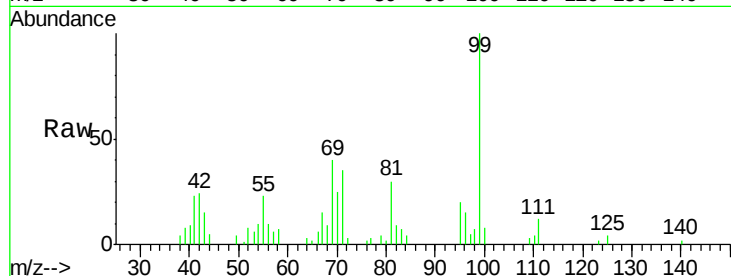
Tgt Ion: 99 Resp: 30431

Ion Ratio Lower Upper

99 100

42 23.8 11.0 16.4#

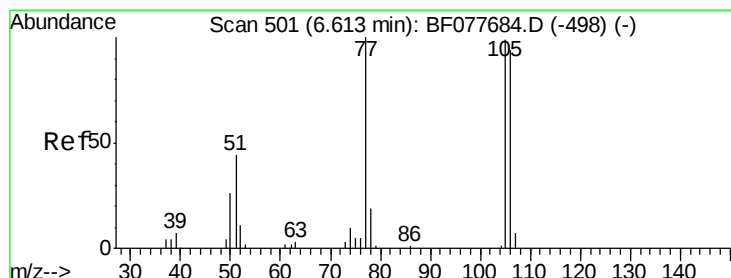
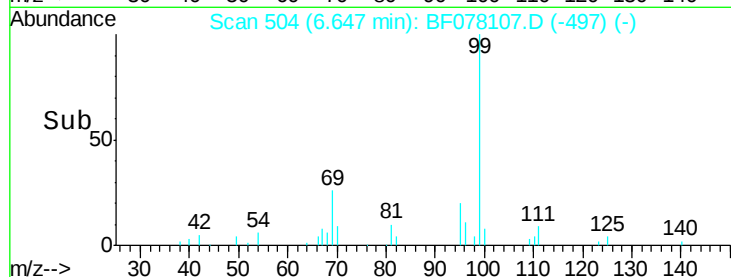
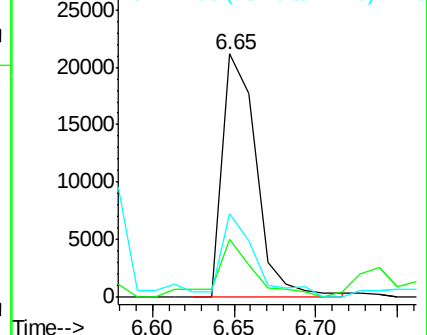
71 34.6 23.4 35.2



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: 4.72 ng

RT: 6.51 min Scan# 492

Delta R.T. -0.01 min

Lab File: BF078107.D

Acq: 31 Mar 2015 9:21

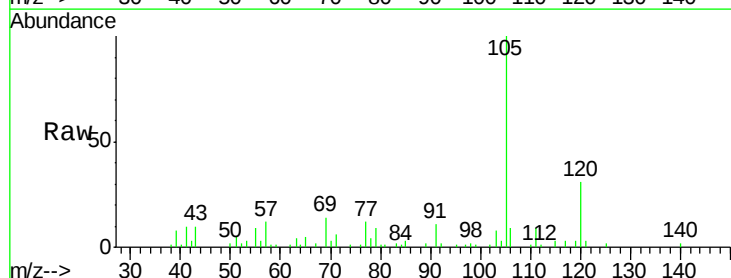
Tgt Ion: 77 Resp: 4903

Ion Ratio Lower Upper

77 100

105 827.8 78.8 118.8#

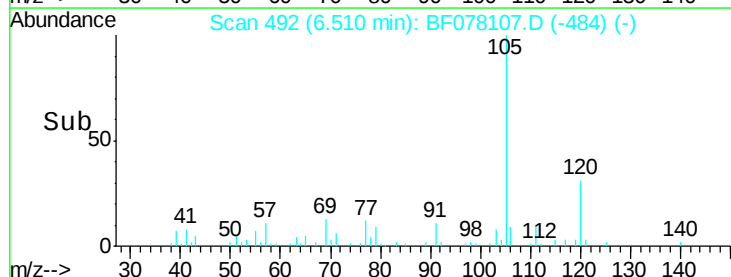
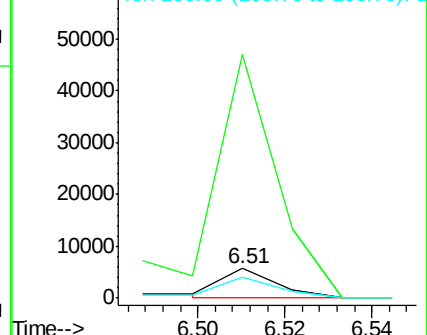
106 72.2 73.7 113.7#

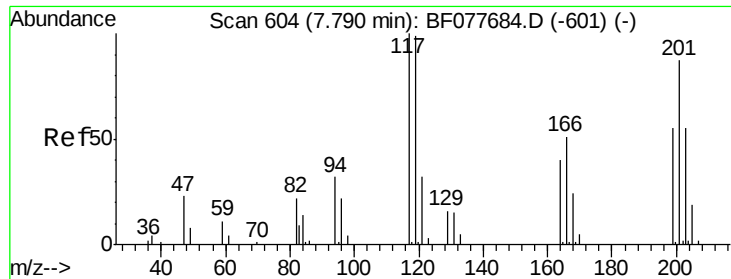


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

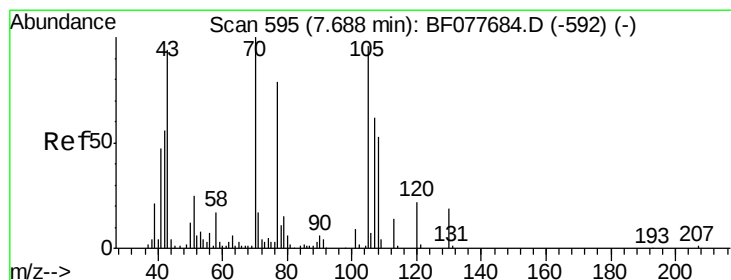
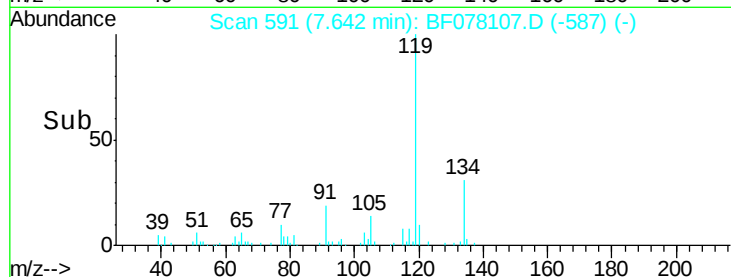
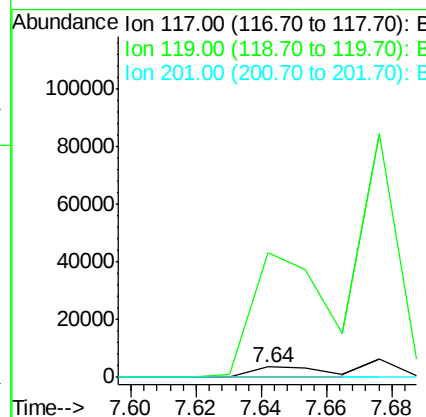
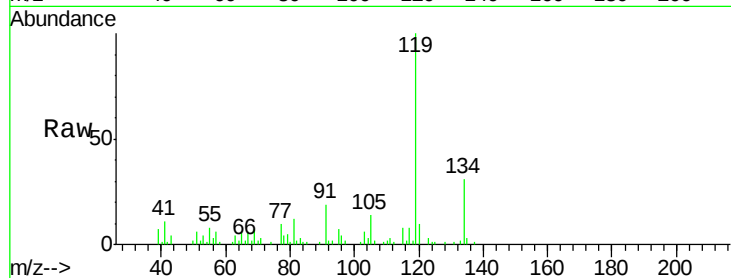




#18
Hexachloroethane
Concen: 5.79 ng
RT: 7.64 min Scan# 591
Delta R.T. -0.06 min
Lab File: BF078107.D
Acq: 31 Mar 2015 9:21

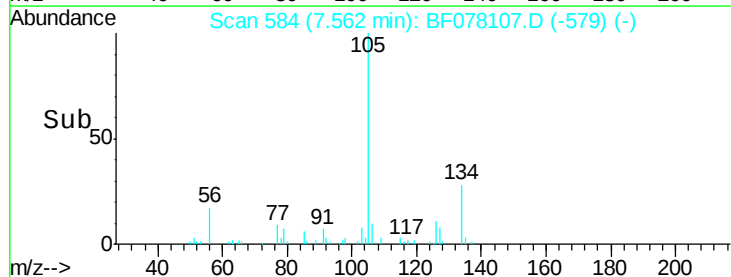
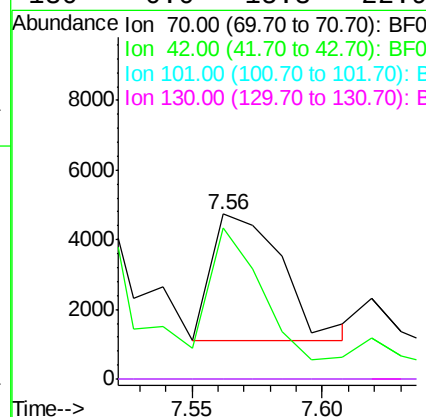
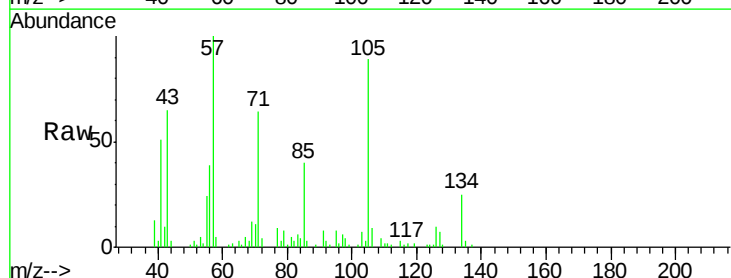
Instrument :
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DEL-3S-2(7.0-7.5)DL

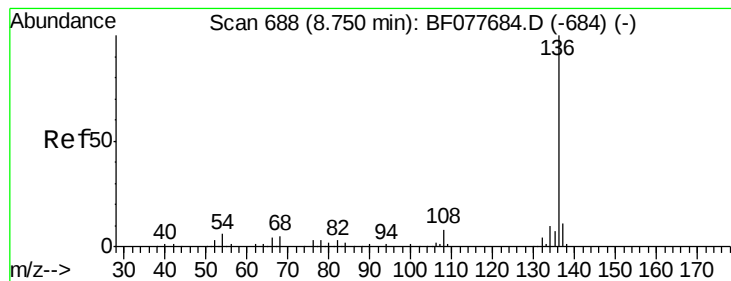
Tgt Ion: 117 Resp: 5363
Ion Ratio Lower Upper
117 100
119 1233.8 79.2 118.8#
201 0.0 69.8 104.6#



#19
n-Nitroso-di-n-propylamine
Concen: 3.90 ng
RT: 7.56 min Scan# 584
Delta R.T. -0.05 min
Lab File: BF078107.D
Acq: 31 Mar 2015 9:21

Tgt Ion: 70 Resp: 6855
Ion Ratio Lower Upper
70 100
42 91.9 44.5 66.7#
101 0.0 7.4 11.2#
130 0.0 15.3 22.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.64 min Scan# 678

Delta R.T. -0.01 min

Lab File: BF078107.D

Acq: 31 Mar 2015 9:21

Instrument :

BNA_F

ClientSampleId :

DEL-3S-2(7.0-7.5)DL

Tgt Ion:136 Resp: 144898

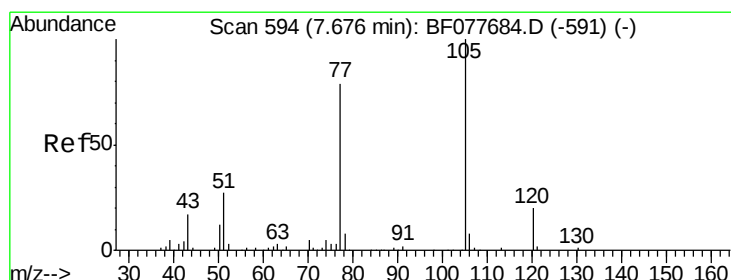
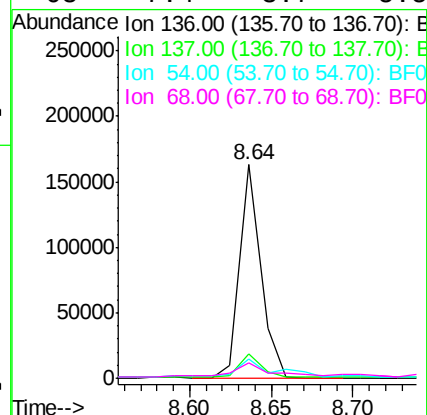
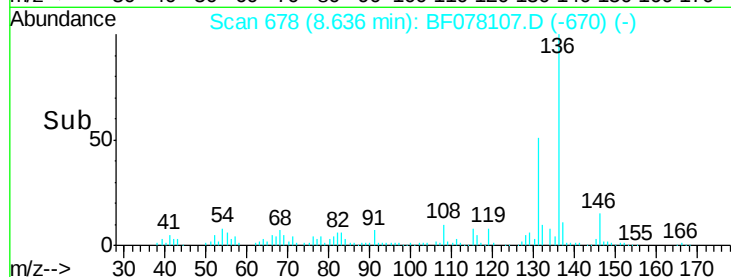
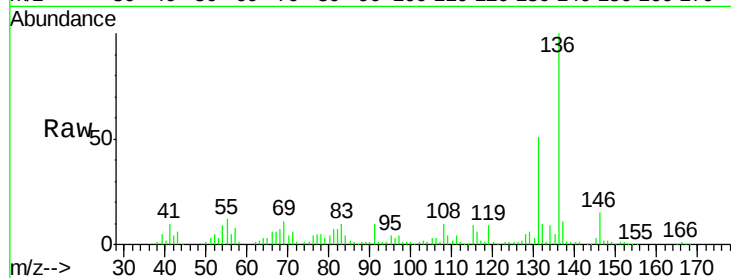
Ion Ratio Lower Upper

136 100

137 11.5 8.7 13.1

54 8.8 4.6 6.8#

68 7.4 3.7 5.5#



#22

Acetophenone

Concen: 23.62 ng

RT: 7.55 min Scan# 583

Delta R.T. -0.03 min

Lab File: BF078107.D

Acq: 31 Mar 2015 9:21

Tgt Ion:105 Resp: 75762

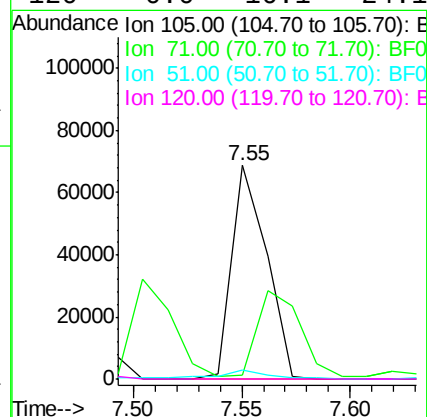
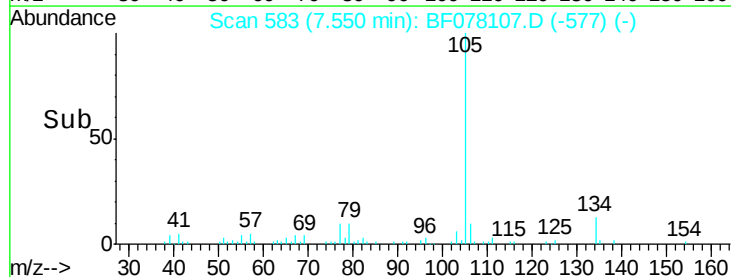
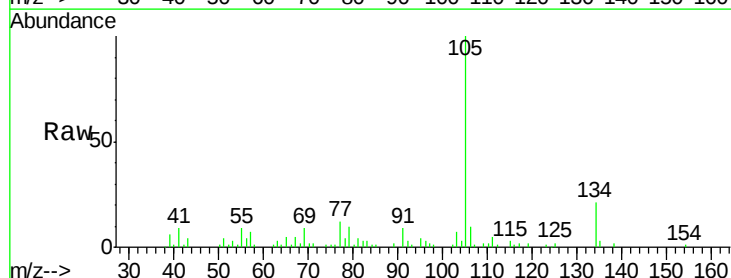
Ion Ratio Lower Upper

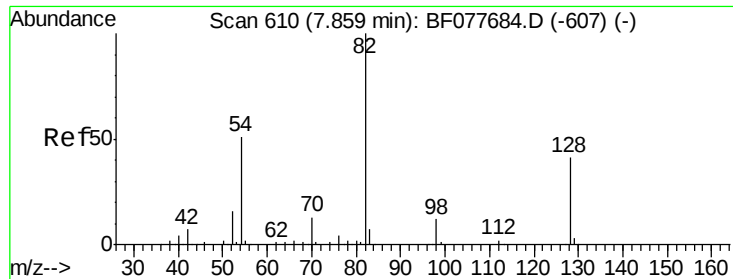
105 100

71 1.9 0.6 1.0#

51 4.2 21.6 32.4#

120 0.0 16.1 24.1#

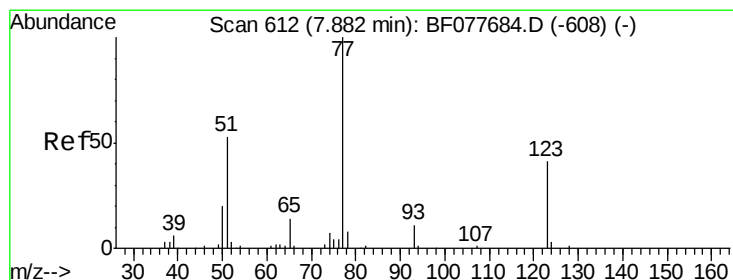
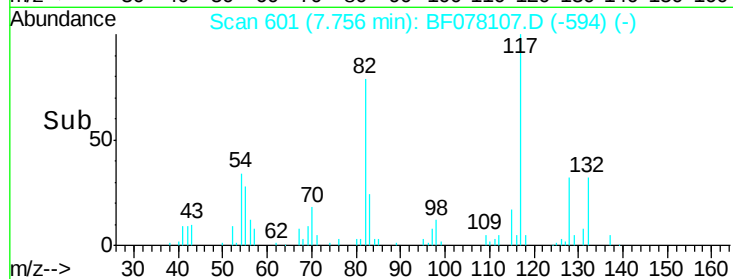
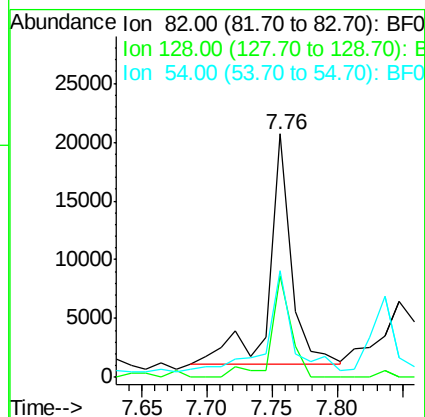
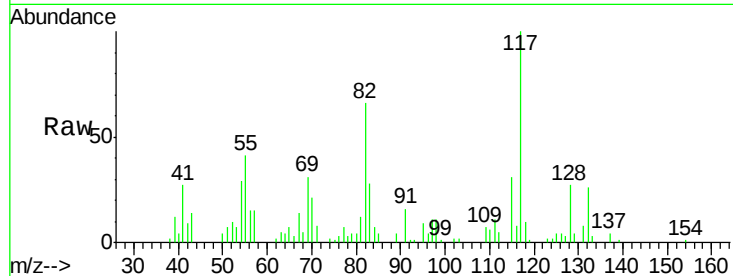




#23
 Nitrobenzene-d5
 Concen: 10.57 ng
 RT: 7.76 min Scan# 601
 Delta R.T. -0.02 min
 Lab File: BF078107.D
 Acq: 31 Mar 2015 9:21

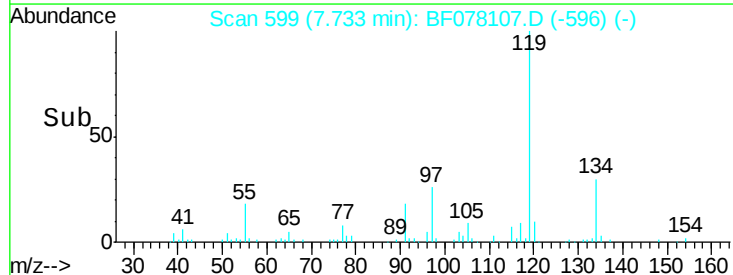
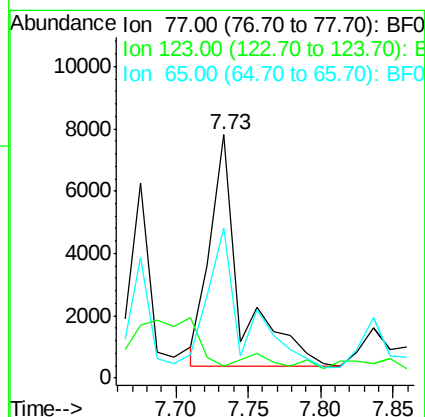
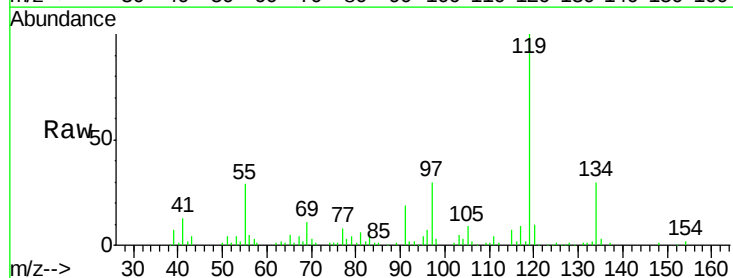
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 DEL-3S-2(7.0-7.5)DL

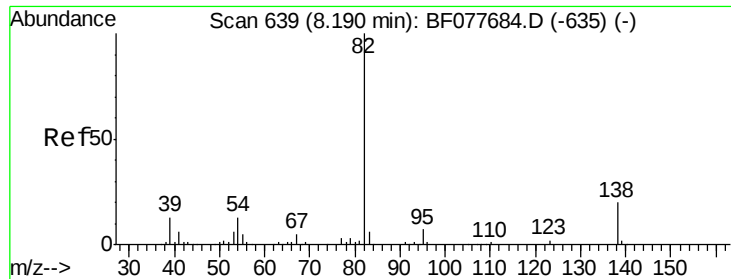
Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.9	32.8	49.2
54	43.9	40.6	60.8



#24
 Nitrobenzene
 Concen: 4.65 ng
 RT: 7.73 min Scan# 599
 Delta R.T. -0.07 min
 Lab File: BF078107.D
 Acq: 31 Mar 2015 9:21

Tgt Ion	Ratio	Lower	Upper
77	100		
123	4.8	32.6	49.0#
65	61.6	10.9	16.3#





#25

Isophorone

Concen: 2.99 ng

RT: 8.05 min Scan# 627

Delta R.T. -0.05 min

Lab File: BF078107.D

Acq: 31 Mar 2015 9:21

Instrument :

BNA_F

ClientSampleId :

DEL-3S-2(7.0-7.5)DL

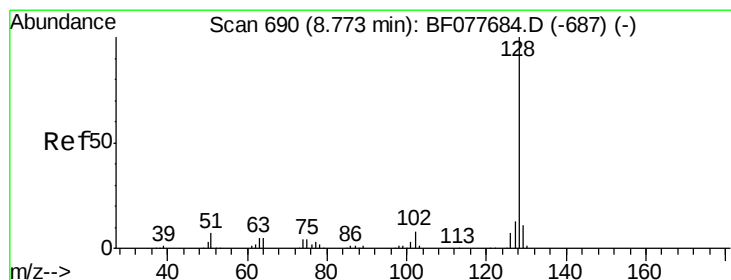
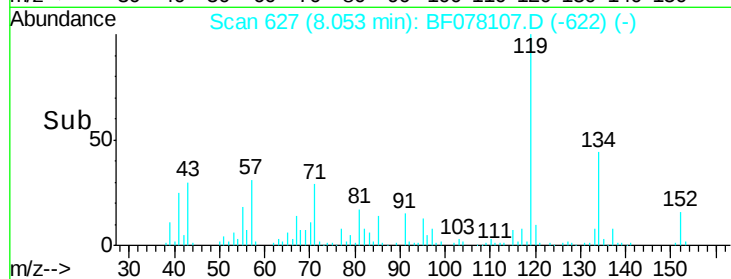
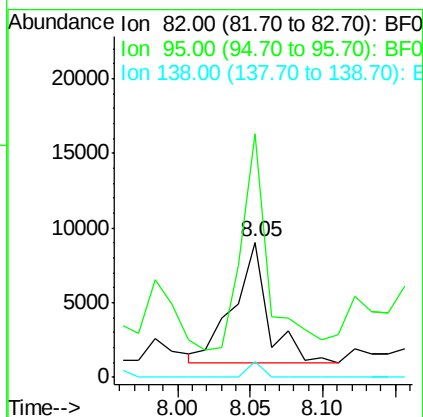
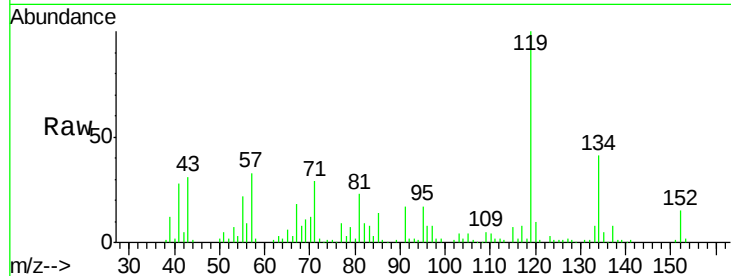
Tgt Ion: 82 Resp: 13346

Ion Ratio Lower Upper

82 100

95 180.0 5.8 8.6#

138 11.7 16.3 24.5#



#31

Naphthalene

Concen: 13.62 ng

RT: 8.66 min Scan# 680

Delta R.T. -0.02 min

Lab File: BF078107.D

Acq: 31 Mar 2015 9:21

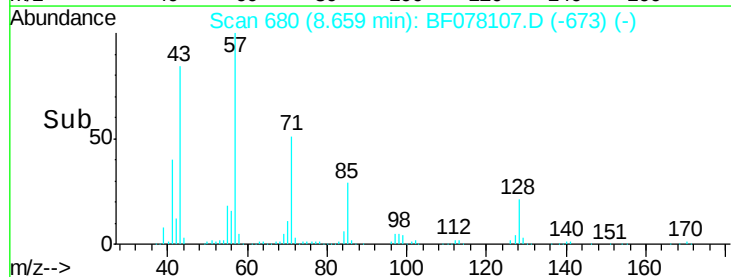
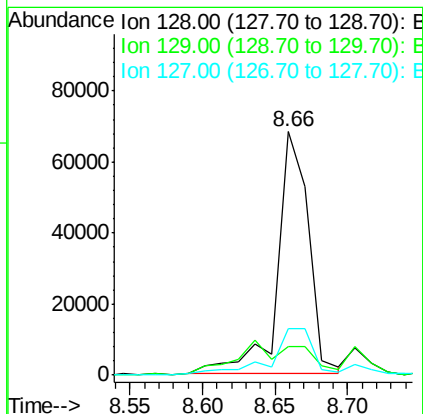
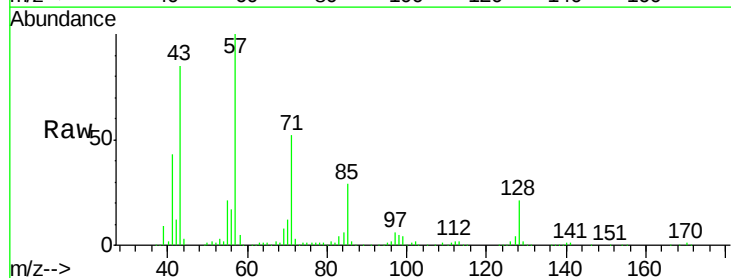
Tgt Ion: 128 Resp: 101347

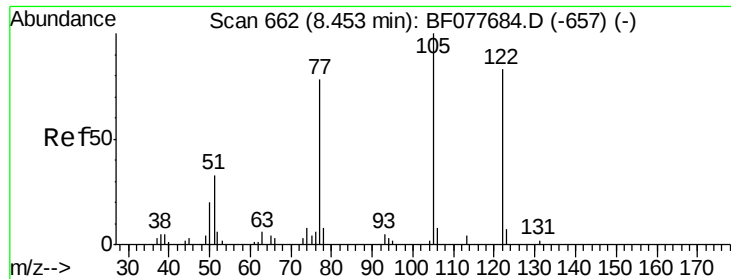
Ion Ratio Lower Upper

128 100

129 11.8 8.9 13.3

127 18.9 10.4 15.6#

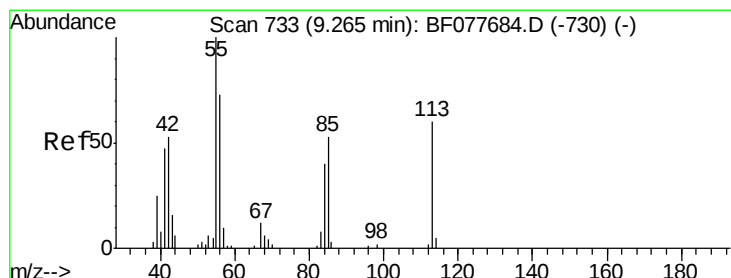
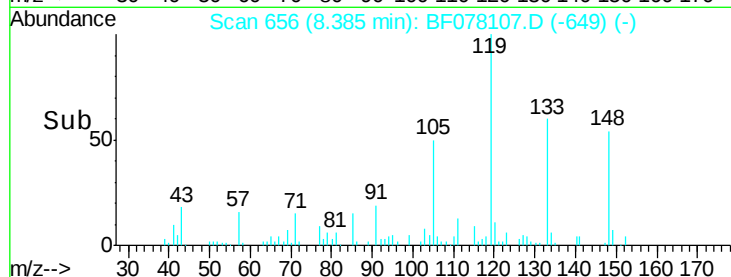
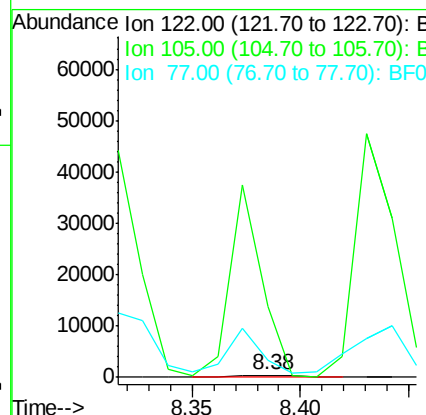
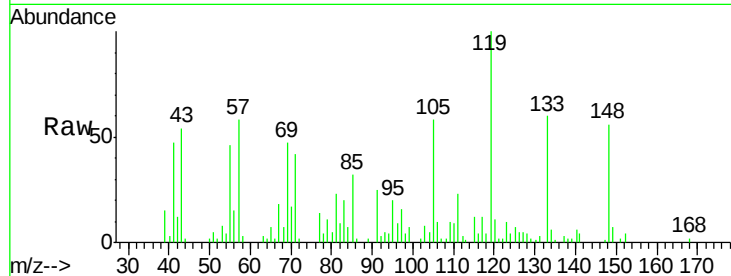




#32
Benzoic acid
Concen: 3.71 ng
RT: 8.38 min Scan# 656
Delta R.T. -0.02 min
Lab File: BF078107.D
Acq: 31 Mar 2015 9:21

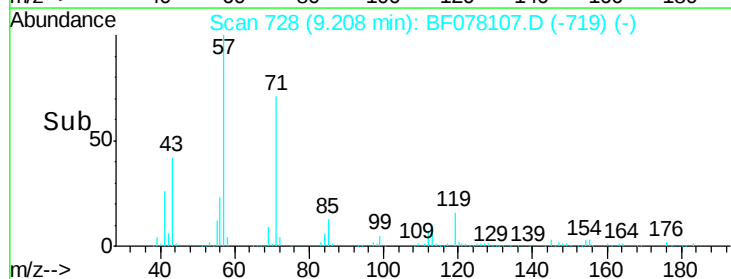
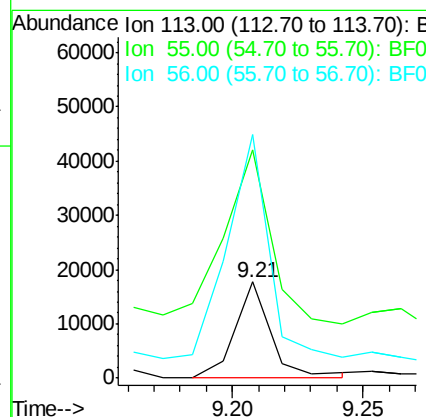
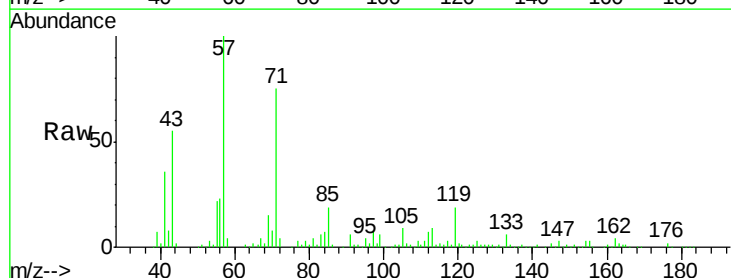
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DEL-3S-2(7.0-7.5)DL

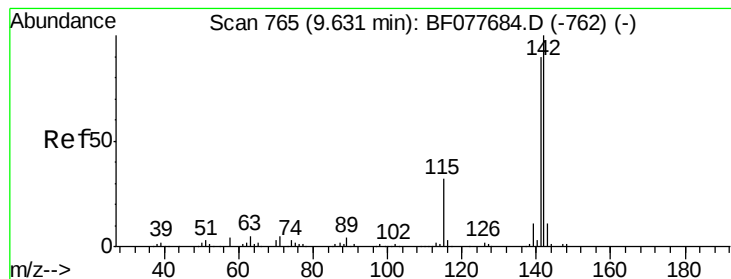
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Ion Ratio Lower Upper
122 100
105 3103.1 99.9 139.9#
77 768.7 73.7 113.7#



#35
Caprolactam
Concen: 29.34 ng
RT: 9.21 min Scan# 728
Delta R.T. -0.00 min
Lab File: BF078107.D
Acq: 31 Mar 2015 9:21

Tgt Ion:113 Resp: 17362
Ion Ratio Lower Upper
113 100
55 237.7 145.9 185.9#
56 253.7 101.0 141.0#

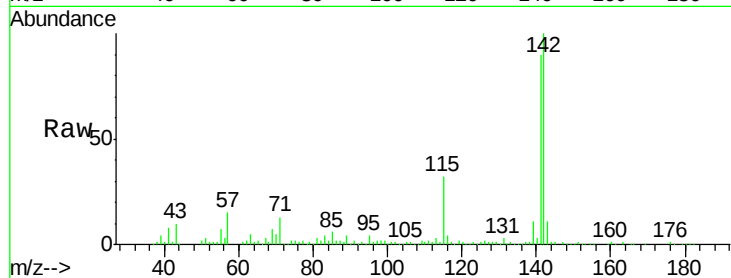




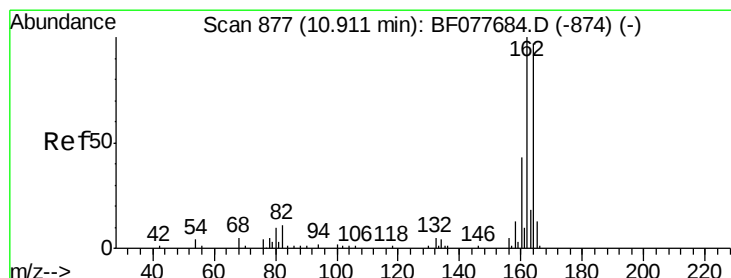
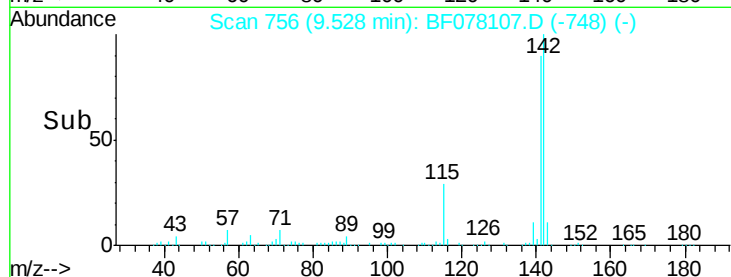
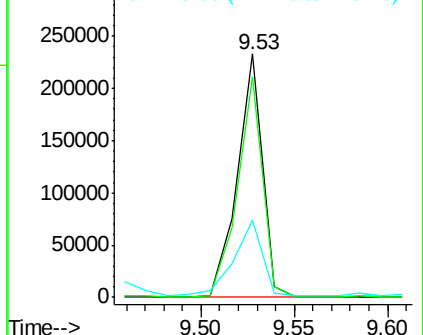
#37
 2-Methylnaphthalene
 Concen: 44.04 ng
 RT: 9.53 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BF078107.D
 Acq: 31 Mar 2015 9:21

Instrument :
 BNA_F
 ClientSampleId :
 DEL-3S-2(7.0-7.5)DL

Tgt Ion:142 Resp: 220166
 Ion Ratio Lower Upper
 142 100
 141 90.4 71.9 107.9
 115 31.9 25.4 38.0

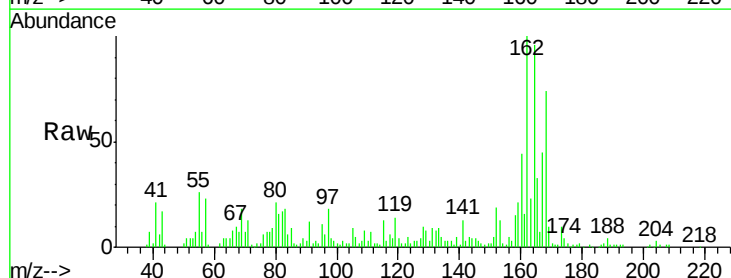


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

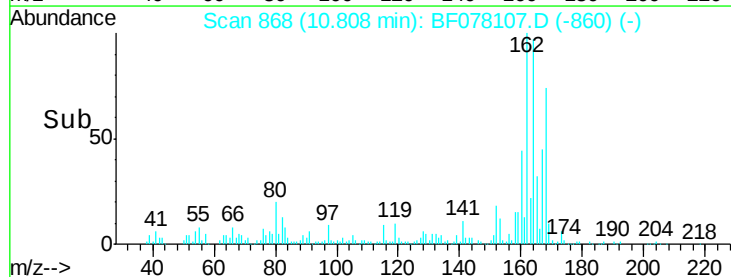
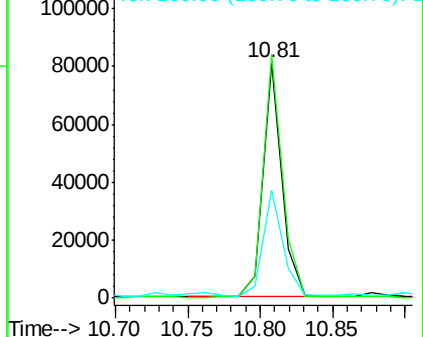


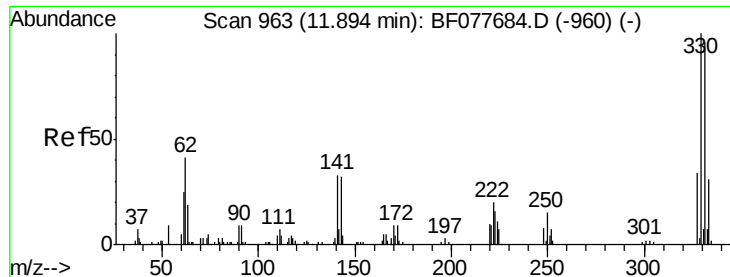
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.81 min Scan# 868
 Delta R.T. -0.01 min
 Lab File: BF078107.D
 Acq: 31 Mar 2015 9:21

Tgt Ion:164 Resp: 72764
 Ion Ratio Lower Upper
 164 100
 162 103.8 82.4 123.6
 160 46.0 35.8 53.6



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

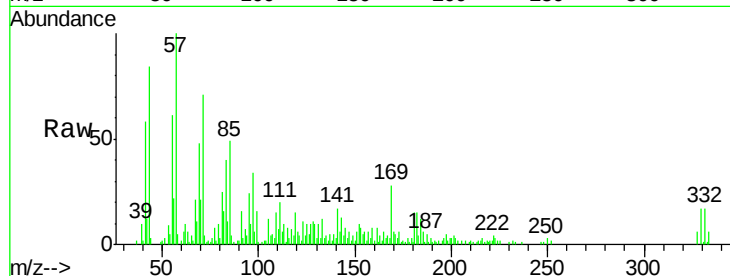




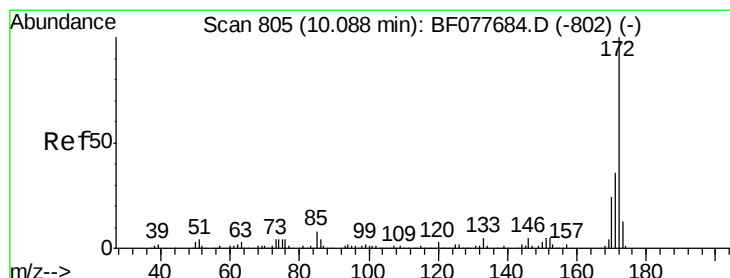
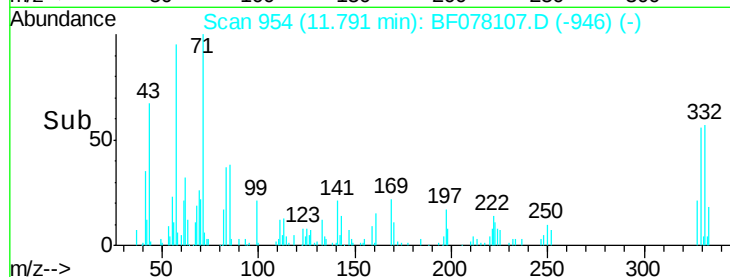
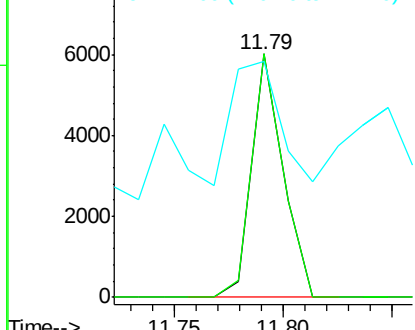
#41
 2,4,6-Tribromophenol
 Concen: 8.62 ng
 RT: 11.79 min Scan# 954
 Delta R.T. -0.01 min
 Lab File: BF078107.D
 Acq: 31 Mar 2015 9:21

Instrument :
 BNA_F
 ClientSampleId :
 DEL-3S-2(7.0-7.5)DL

Tgt Ion:330 Resp: 6004
 Ion Ratio Lower Upper
 330 100
 332 100.8 0.0 0.0#
 141 127.2 0.0 0.0#

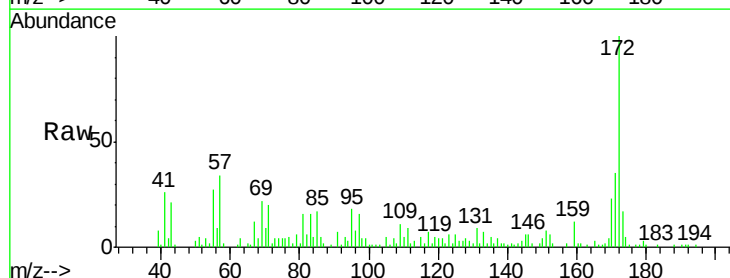


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

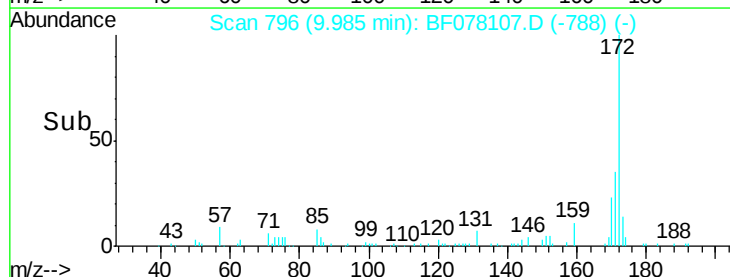
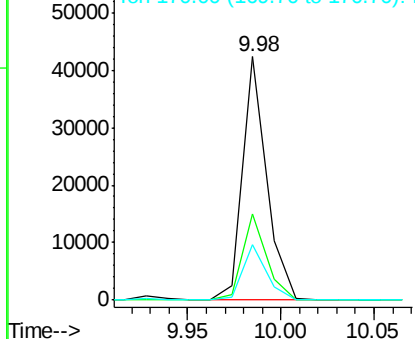


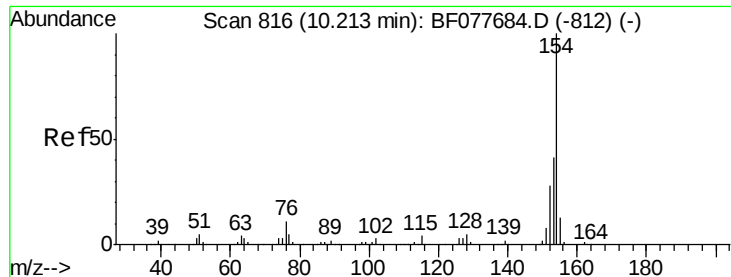
#44
 2-Fluorobiphenyl
 Concen: 7.70 ng
 RT: 9.98 min Scan# 796
 Delta R.T. -0.01 min
 Lab File: BF078107.D
 Acq: 31 Mar 2015 9:21

Tgt Ion:172 Resp: 38114
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.5 42.7
 170 22.9 18.8 28.2



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

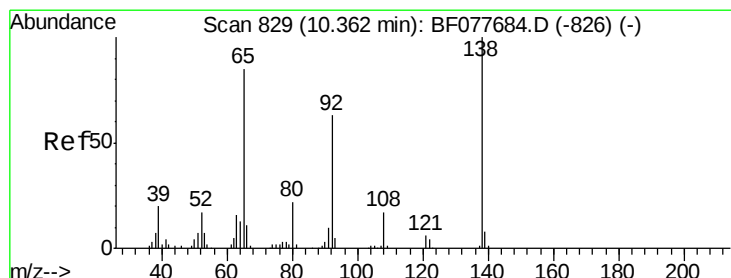
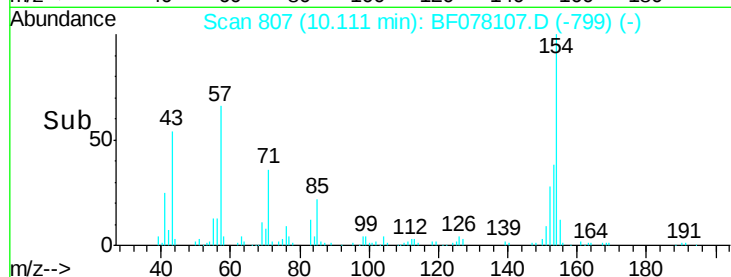
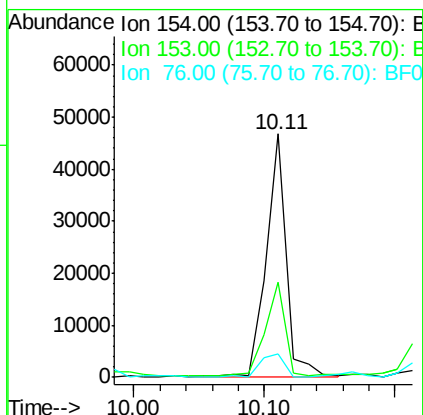
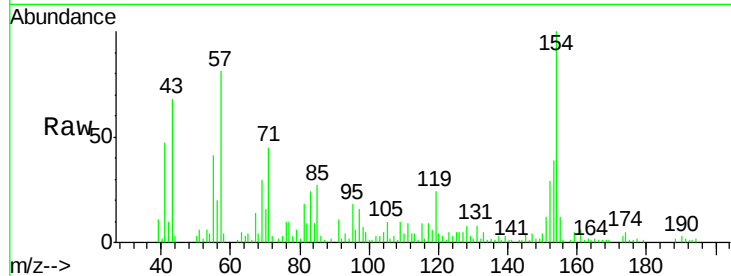




#45
 1,1'-Biphenyl
 Concen: 8.69 ng
 RT: 10.11 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF078107.D
 Acq: 31 Mar 2015 9:21

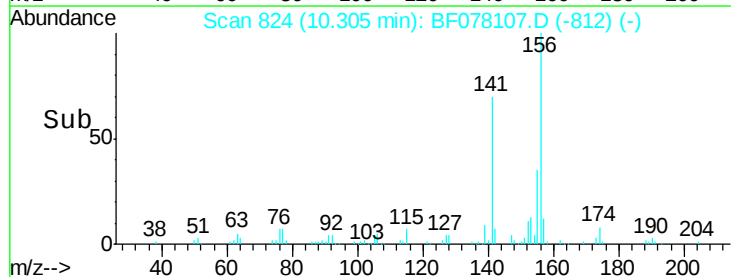
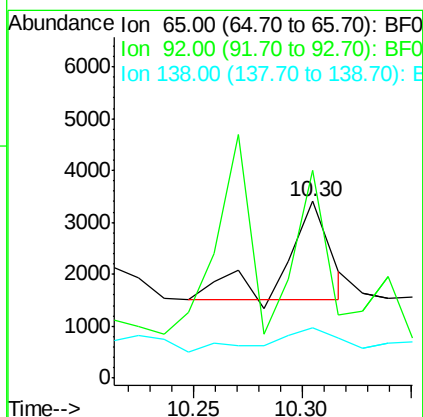
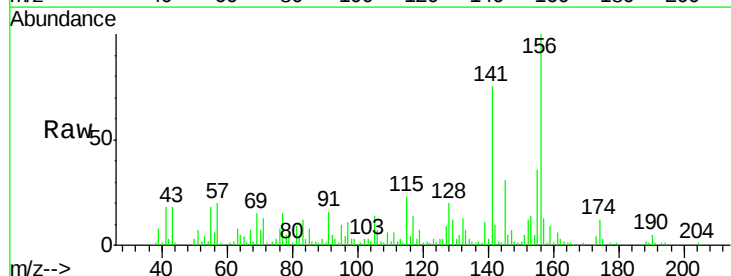
Instrument :
 BNA_F
 ClientSampleId :
 DEL-3S-2(7.0-7.5)DL

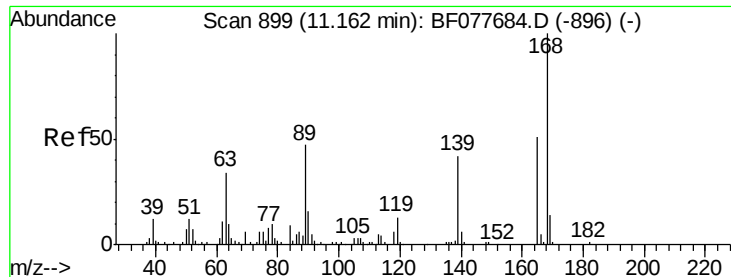
Tgt Ion	Ratio	Lower	Upper
154	100		
153	38.9	20.7	60.7
76	9.7	0.0	30.9



#47
 2-Nitroaniline
 Concen: 2.29 ng
 RT: 10.30 min Scan# 824
 Delta R.T. 0.03 min
 Lab File: BF078107.D
 Acq: 31 Mar 2015 9:21

Tgt Ion	Ratio	Lower	Upper
65	100		
92	117.6	59.1	88.7#
138	28.2	93.9	140.9#

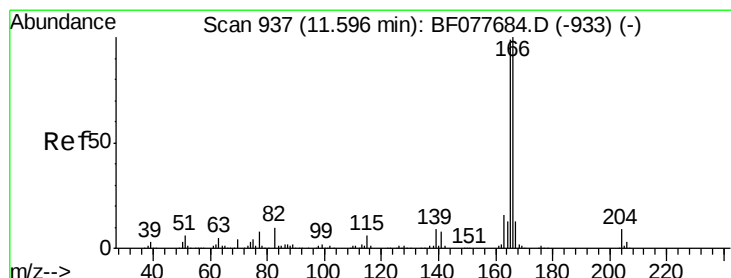
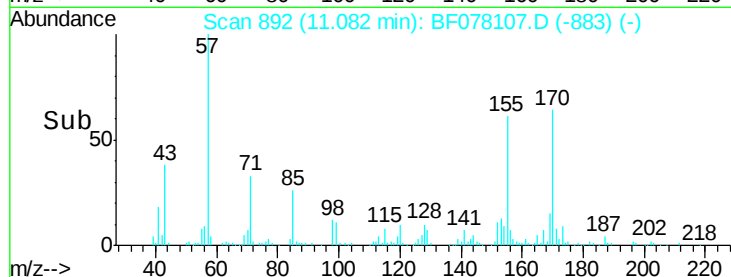
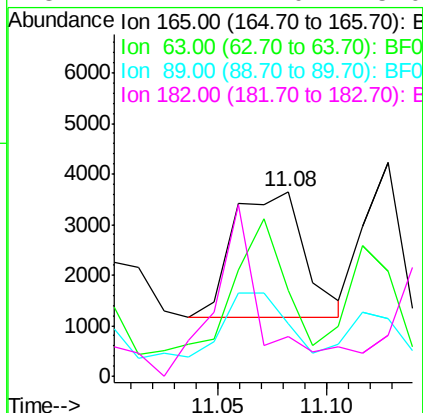
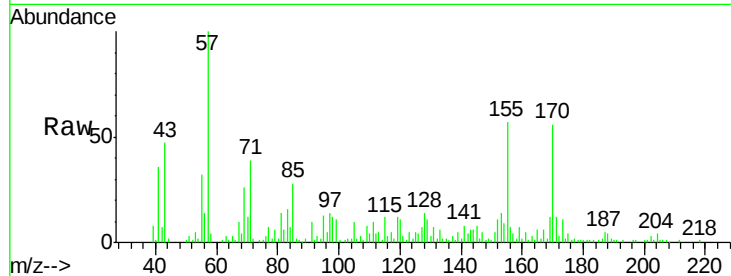




#56
2,4-Dinitrotoluene
Concen: 3.88 ng
RT: 11.08 min Scan# 892
Delta R.T. -0.00 min
Lab File: BF078107.D
Acq: 31 Mar 2015 9:21

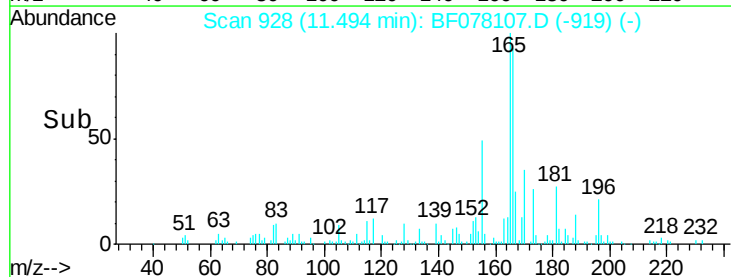
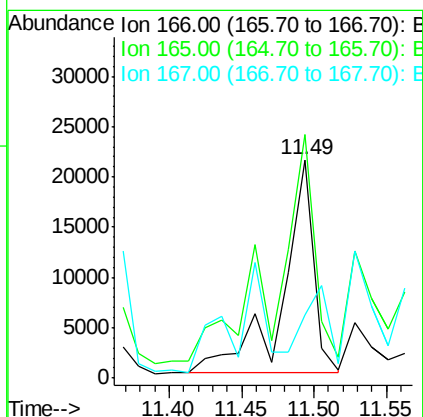
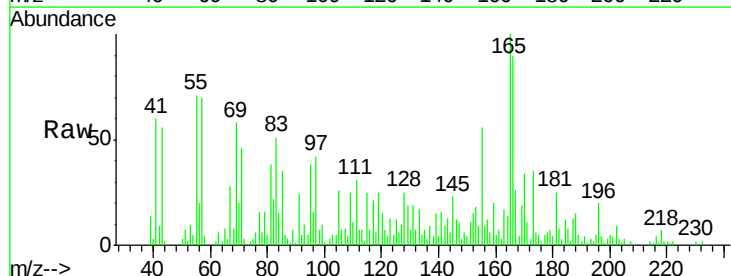
Instrument :
BNA_F
ClientSampleId :
DEL-3S-2(7.0-7.5)DL

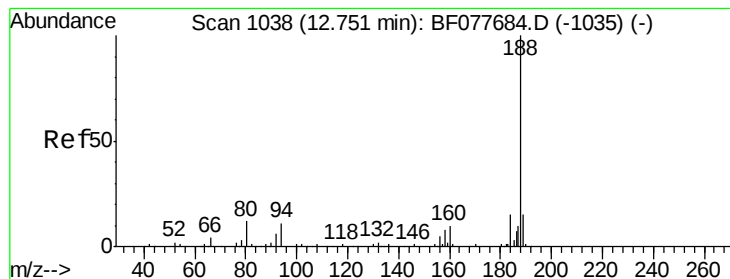
Tgt Ion:165 Resp: 5662
Ion Ratio Lower Upper
165 100
63 46.1 52.4 78.6#
89 28.3 72.4 108.6#
182 21.2 2.0 3.0#



#57
Fluorene
Concen: 5.61 ng
RT: 11.49 min Scan# 928
Delta R.T. -0.00 min
Lab File: BF078107.D
Acq: 31 Mar 2015 9:21

Tgt Ion:166 Resp: 31139
Ion Ratio Lower Upper
166 100
165 111.5 79.0 118.4
167 29.0 10.3 15.5#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.65 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF078107.D

Acq: 31 Mar 2015 9:21

Instrument :

BNA_F

ClientSampleId :

DEL-3S-2(7.0-7.5)DL

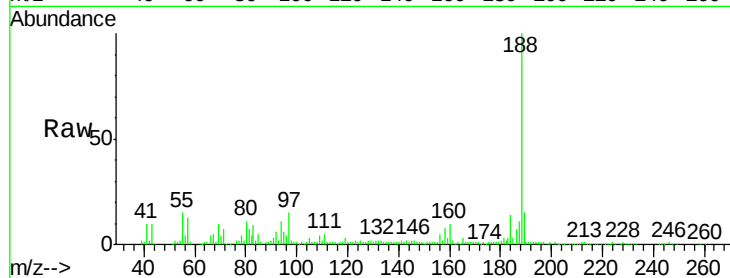
Tgt Ion:188 Resp: 144606

Ion Ratio Lower Upper

188 100

94 10.6 8.7 13.1

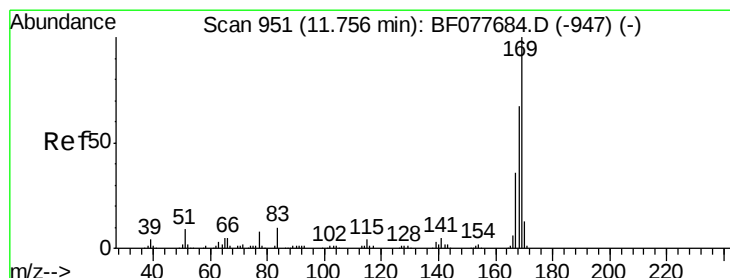
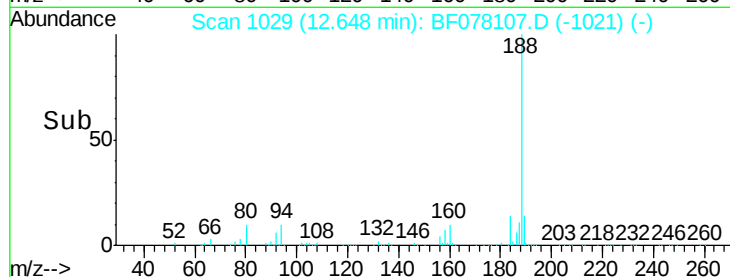
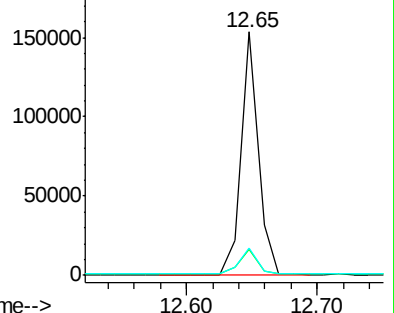
80 11.0 9.3 13.9



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



#65

n-Nitrosodiphenylamine

Concen: 6.12 ng

RT: 11.64 min Scan# 941

Delta R.T. -0.02 min

Lab File: BF078107.D

Acq: 31 Mar 2015 9:21

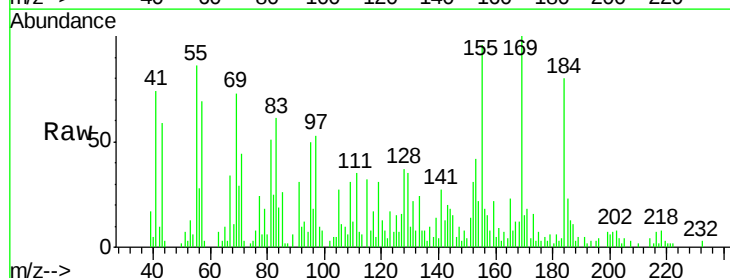
Tgt Ion:169 Resp: 29463

Ion Ratio Lower Upper

169 100

168 11.6 53.9 80.9#

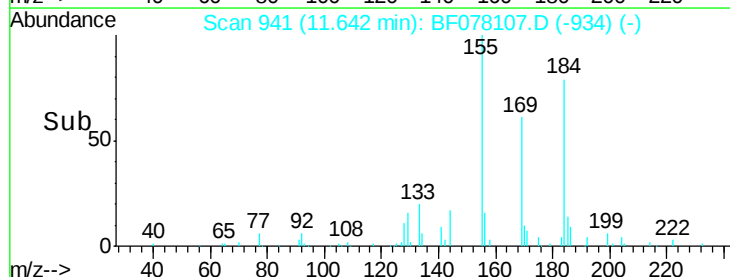
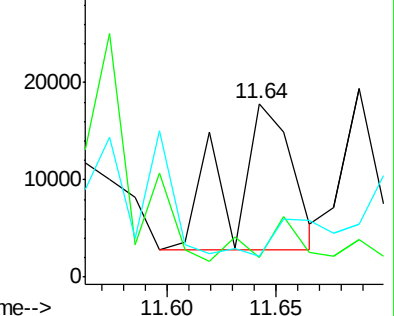
167 12.2 28.9 43.3#

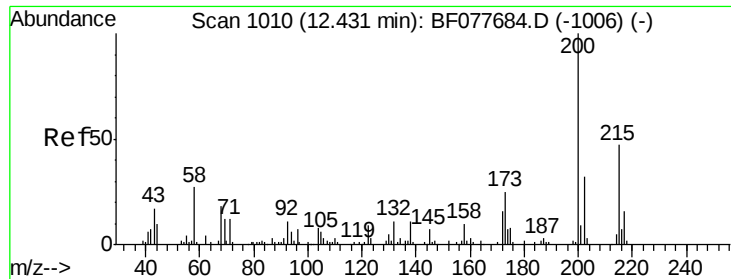


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

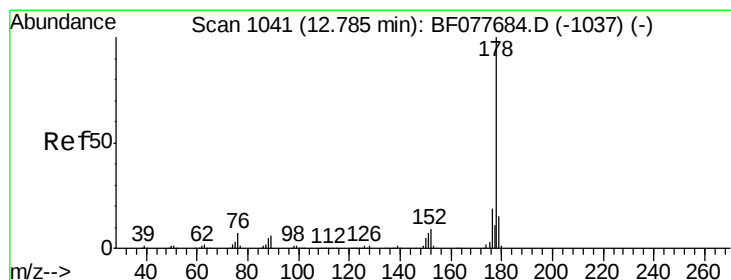
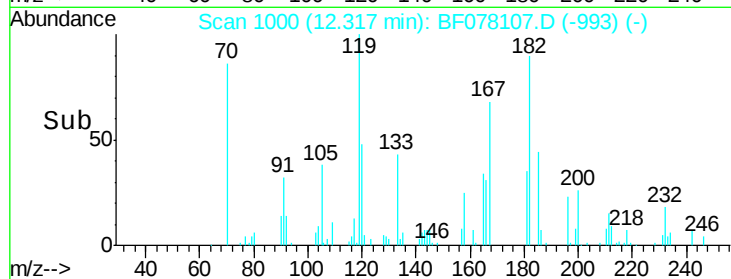
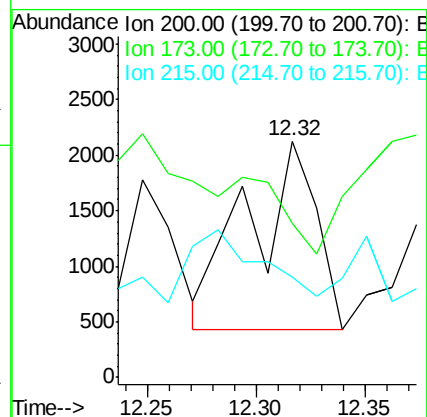
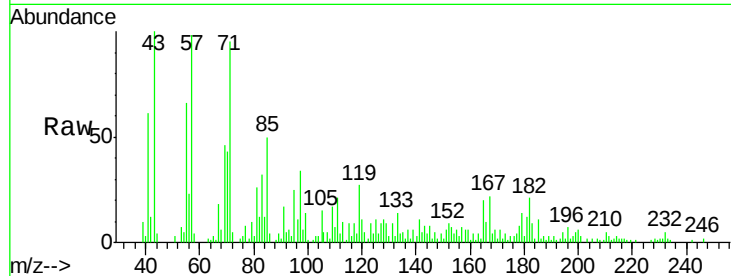




#68
Atrazine
Concen: 2.73 ng
RT: 12.32 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BF078107.D
Acq: 31 Mar 2015 9:21

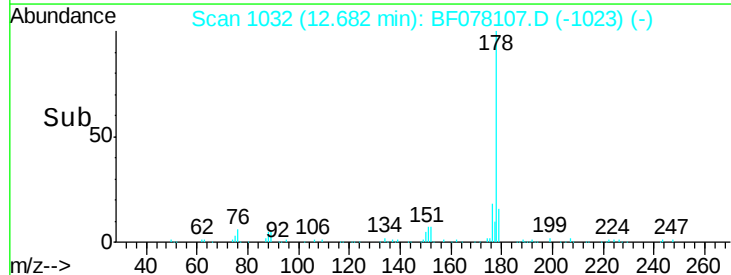
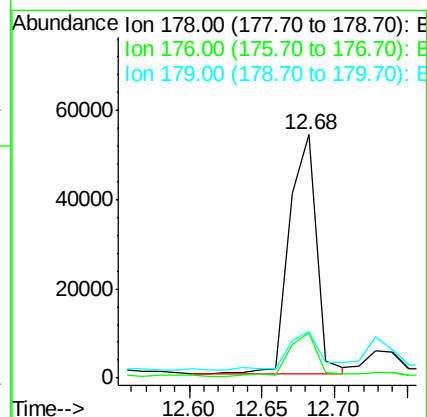
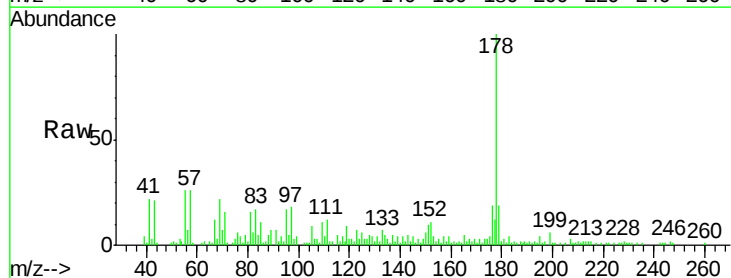
Instrument :
BNA_F
ClientSampleId :
DEL-3S-2(7.0-7.5)DL

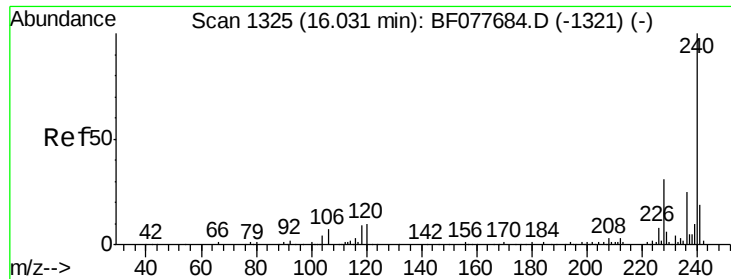
Tgt Ion: 200 Resp: 3688
Ion Ratio Lower Upper
200 100
173 65.1 4.8 44.8#
215 42.5 26.9 66.9



#70
Phenanthrene
Concen: 8.33 ng
RT: 12.68 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF078107.D
Acq: 31 Mar 2015 9:21

Tgt Ion: 178 Resp: 69151
Ion Ratio Lower Upper
178 100
176 18.6 15.2 22.8
179 19.1 12.1 18.1#

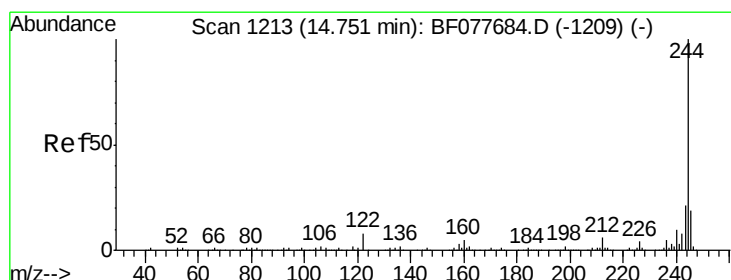
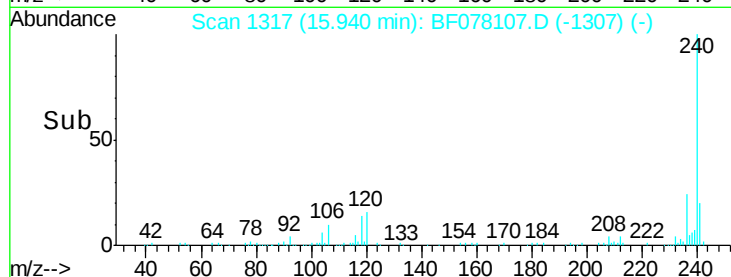
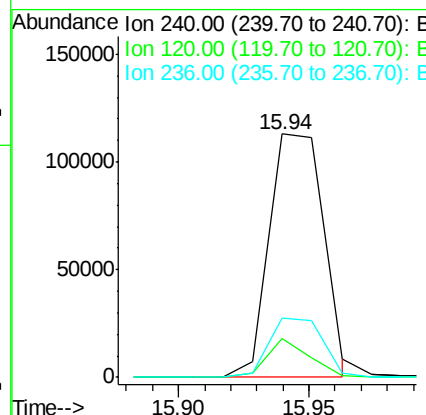
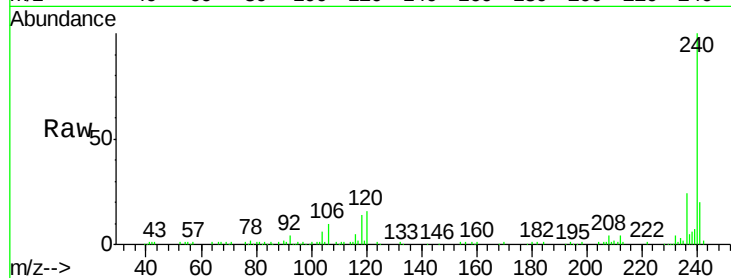




#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.94 min Scan# 1317
Delta R.T. 0.01 min
Lab File: BF078107.D
Acq: 31 Mar 2015 9:21

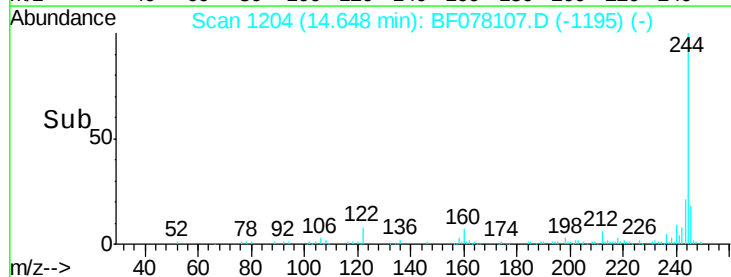
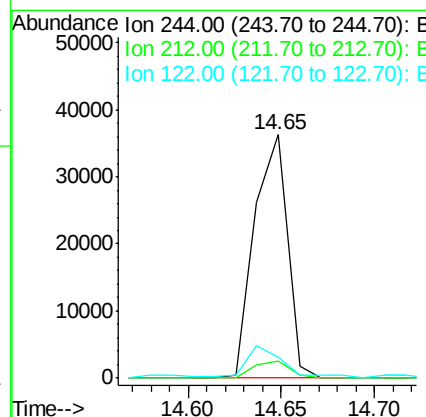
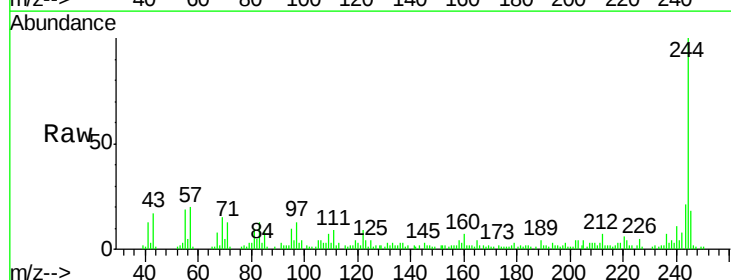
Instrument :
BNA_F
ClientSampleId :
DEL-3S-2(7.0-7.5)DL

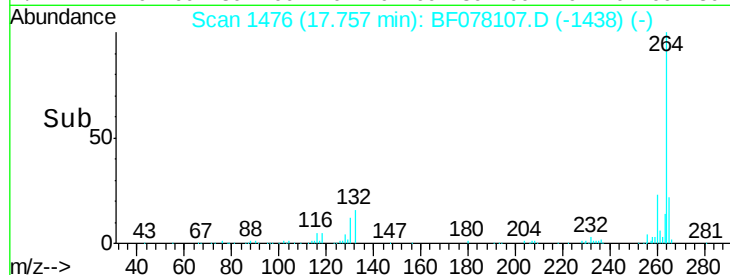
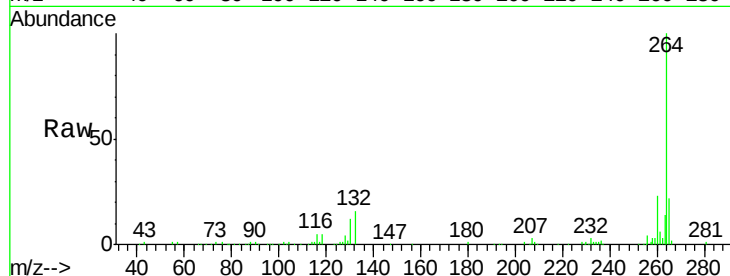
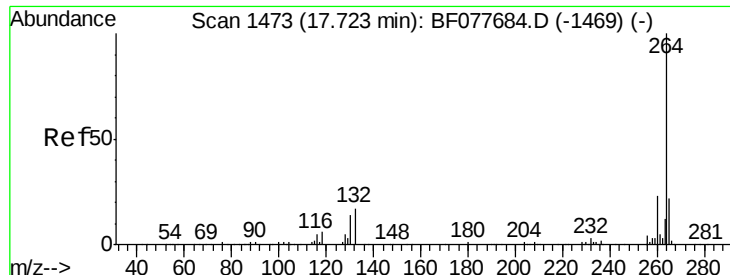
Tgt Ion:240 Resp: 164735
Ion Ratio Lower Upper
240 100
120 16.2 8.2 12.2#
236 24.3 20.0 30.0



#78
Terphenyl-d14
Concen: 6.59 ng
RT: 14.65 min Scan# 1204
Delta R.T. -0.00 min
Lab File: BF078107.D
Acq: 31 Mar 2015 9:21

Tgt Ion:244 Resp: 44473
Ion Ratio Lower Upper
244 100
212 6.9 4.9 7.3
122 8.8 6.2 9.4





#86

Perylene-d12

Concen: 20.00 ng

RT: 17.76 min Scan# 1476

Delta R.T. 0.14 min

Lab File: BF078107.D

Acq: 31 Mar 2015 9:21

Instrument :

BNA_F

ClientSampleId :

DEL-3S-2(7.0-7.5)DL

Tgt Ion: 264 Resp: 159892

Ion Ratio Lower Upper

264 100

260 22.9 18.6 27.8

265 21.6 17.3 25.9

