

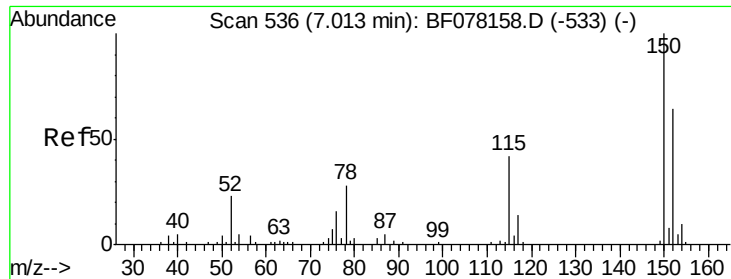
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040215\
 Data File : BF078237.D
 Acq On : 3 Apr 2015 10:47
 Operator : TP/IZ
 Sample : G1719-04DL 5X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-105-33015DL

Quant Time: Apr 03 11:58:57 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 02 13:21:29 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	7164	20.00	ng	0.00
21) Naphthalene-d8	8.59	136	28257	20.00	ng	0.00
38) Acenaphthene-d10	10.76	164	13442	20.00	ng	0.00
63) Phenanthrene-d10	12.59	188	26087	20.00	ng	0.00
75) Chrysene-d12	15.87	240	28168	20.00	ng	0.00
86) Perylene-d12	17.60	264	27784	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	23407	53.87	ng	0.02
7) Phenol-d6	6.64	99	17478	32.10	ng	0.03
23) Nitrobenzene-d5	7.71	82	42440	91.04	ng	0.00
41) 2,4,6-Tribromophenol	11.75	330	16847	151.12	ng	0.00
44) 2-Fluorobiphenyl	9.94	172	95889	101.97	ng	0.00
78) Terphenyl-d14	14.59	244	114429	91.80	ng	0.00
Target Compounds						Qvalue
12) 1,3-Dichlorobenzene	6.94	146	2463	4.36	ng	# 88
13) 1,4-Dichlorobenzene	7.04	146	18419	32.42	ng	93
14) 1,2-Dichlorobenzene	7.22	146	82095	154.13	ng	99
15) Benzyl Alcohol	7.21	79	957	2.50	ng	# 51
20) 3+4-Methylphenols	7.57	107	3243	6.09	ng	# 39
22) Acetophenone	7.54	105	1882	2.86	ng	# 65
24) Nitrobenzene	7.74	77	2479	5.09	ng	# 95
27) 2,4-Dimethylphenol	8.22	122	2011	4.66	ng	90
30) 1,2,4-Trichlorobenzene	8.53	180	69575	154.45	ng	99
31) Naphthalene	8.62	128	137108	93.22	ng	99
33) 4-Chloroaniline	8.68	127	68492	112.23	ng	# 94
37) 2-Methylnaphthalene	9.48	142	27390	27.43	ng	99
51) Acenaphthene	10.80	154	8864	11.27	ng	96
54) Dibenzofuran	11.01	168	6821	5.68	ng	99
55) 4-Nitrophenol	11.01	139	2444	16.33	ng	# 31
56) 2,4-Dinitrotoluene	11.03	165	10625	39.48	ng	# 89
57) Fluorene	11.44	166	9571	9.83	ng	96
71) Anthracene	12.68	178	4062	2.73	ng	99
73) Di-n-butylphthalate	13.36	149	55897	35.41	ng	99

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

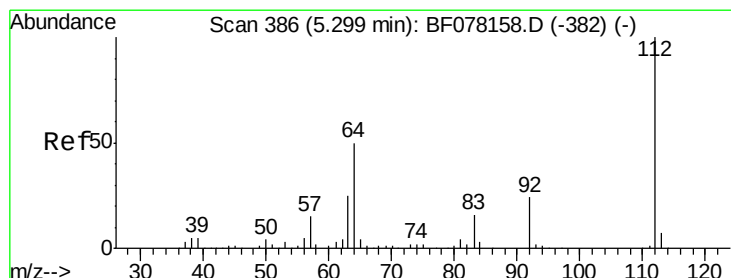
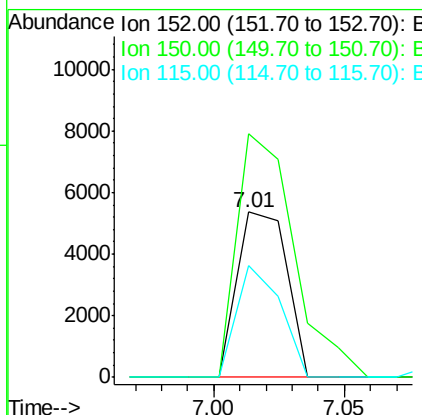
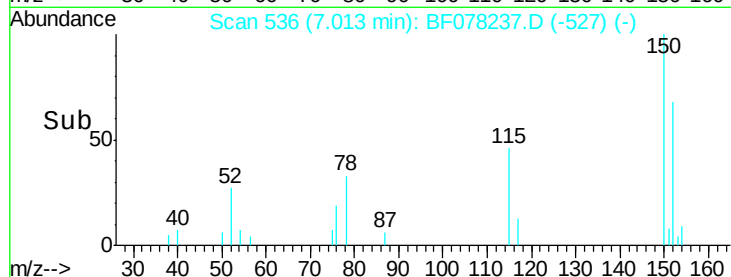
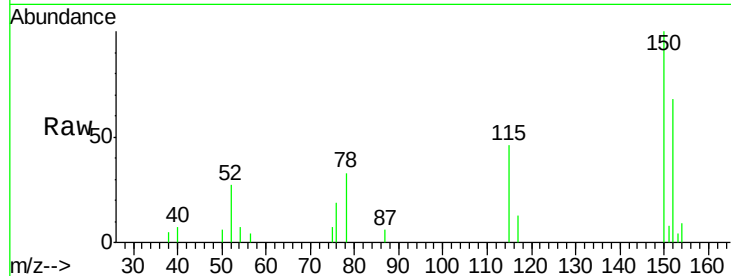


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.01 min Scan# 536
Delta R.T. 0.00 min
Lab File: BF078237.D
Acq: 3 Apr 2015 10:47

Instrument :
BNA_F
ClientSampleId :
DCW-WW-105-33015DL

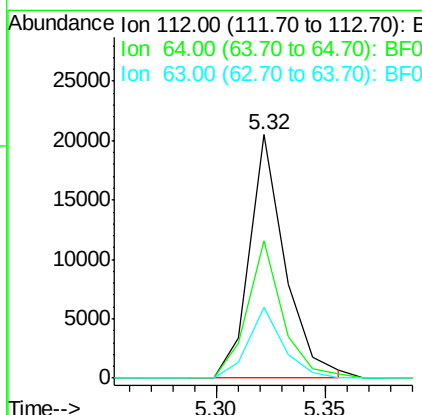
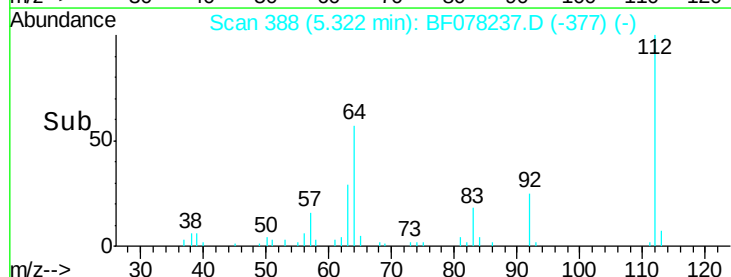
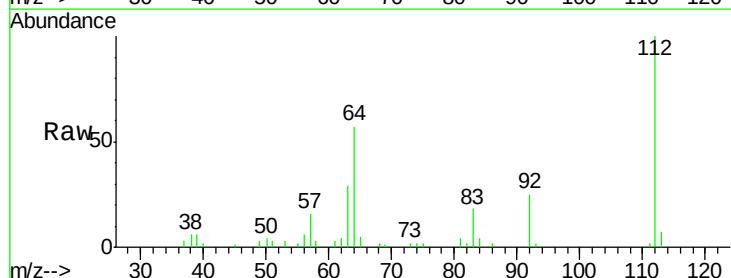
Tot Ion:152 Resp: 7164
Ion Ratio Lower Upper
152 100
150 147.5 125.9 188.9
115 67.8 52.7 79.1

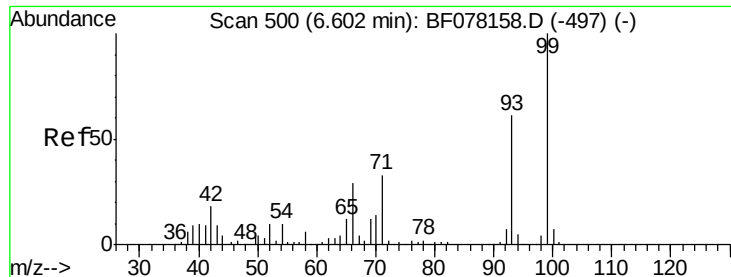


#5

2-Fluorophenol
Concen: 53.87 ng
RT: 5.32 min Scan# 388
Delta R.T. 0.02 min
Lab File: BF078237.D
Acq: 3 Apr 2015 10:47

Tgt Ion:112 Resp: 23407
Ion Ratio Lower Upper
112 100
64 56.5 39.9 59.9
63 29.1 20.2 30.4





#7

Phenol-d6

Concen: 32.10 ng

RT: 6.64 min Scan# 503

Delta R.T. 0.03 min

Lab File: BF078237.D

Acq: 3 Apr 2015 10:47

Instrument :

BNA_F

ClientSampleId :

DCW-WW-105-33015DL

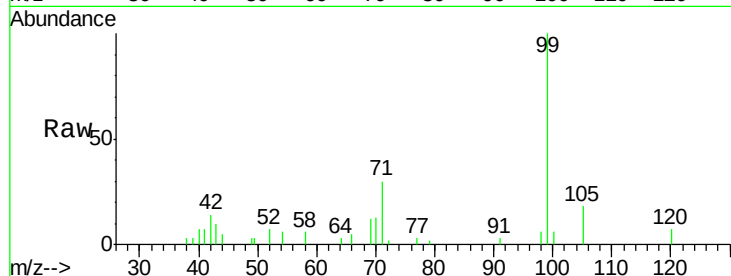
Tot Ion: 99 Resp: 17478

Ion Ratio Lower Upper

99 100

42 14.2 14.8 22.2#

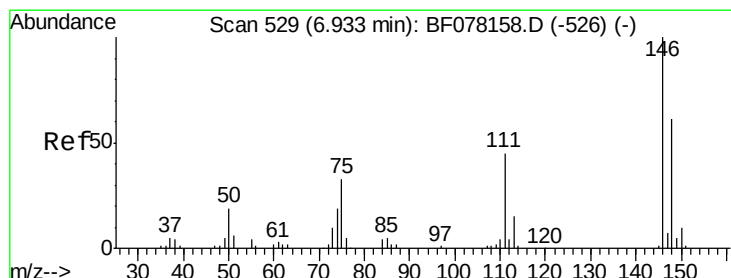
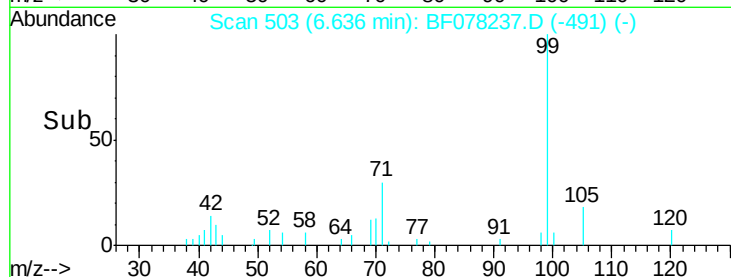
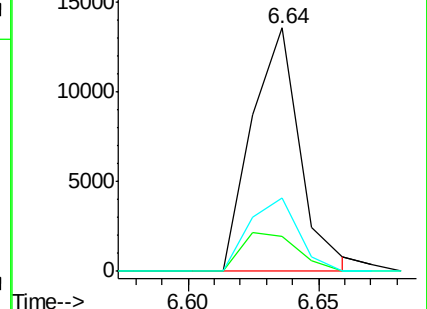
71 30.1 26.6 39.8



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



#12

1,3-Dichlorobenzene

Concen: 4.36 ng

RT: 6.94 min Scan# 530

Delta R.T. 0.01 min

Lab File: BF078237.D

Acq: 3 Apr 2015 10:47

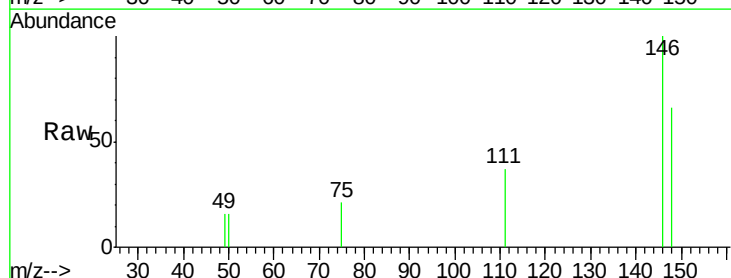
Tgt Ion:146 Resp: 2463

Ion Ratio Lower Upper

146 100

148 66.5 49.1 73.7

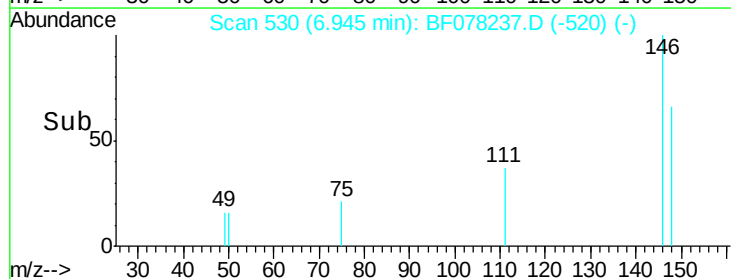
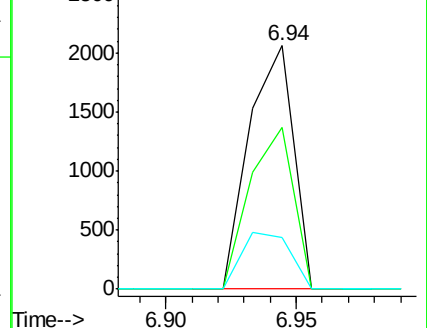
75 21.1 26.6 40.0#

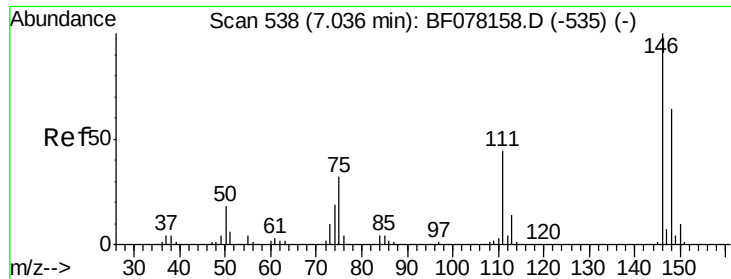


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0

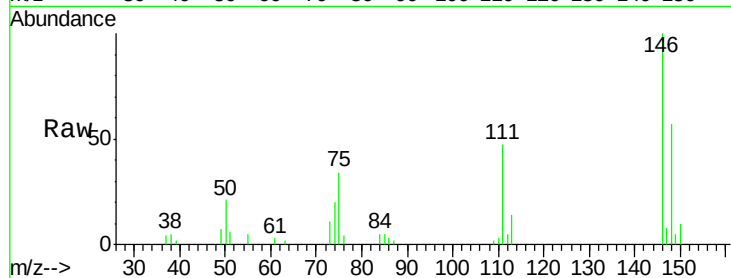




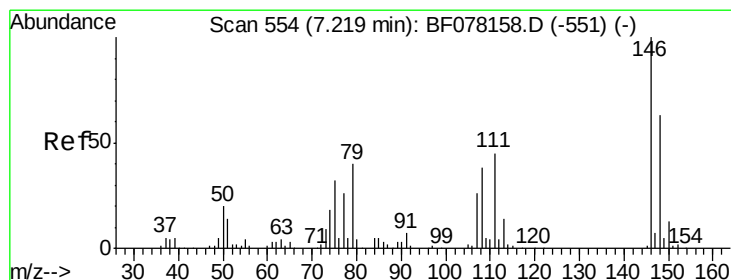
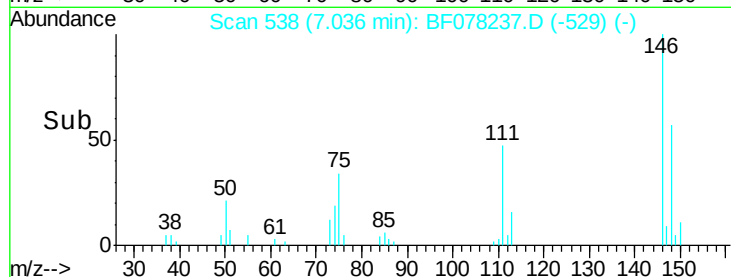
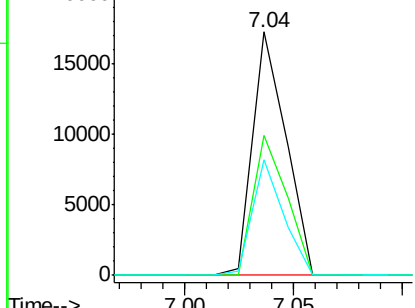
#13
 1,4-Dichlorobenzene
 Concen: 32.42 ng
 RT: 7.04 min Scan# 538
 Delta R.T. 0.00 min
 Lab File: BF078237.D
 Acq: 3 Apr 2015 10:47

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-105-33015DL

Tot Ion:146 Resp: 18419
 Ion Ratio Lower Upper
 146 100
 148 57.3 51.4 77.0
 111 47.3 35.0 52.4

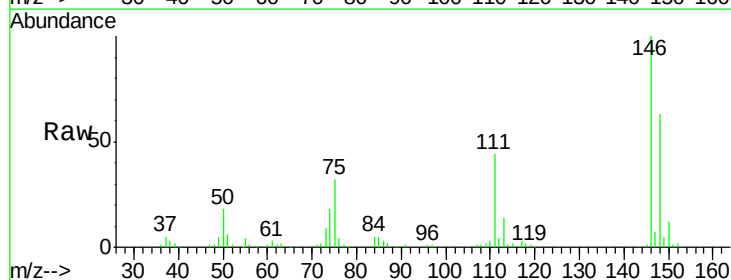


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

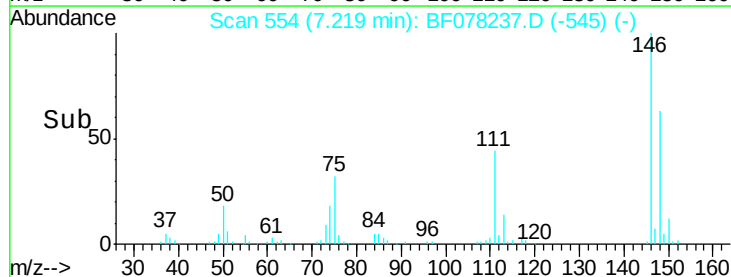
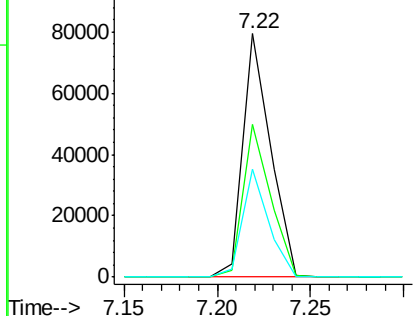


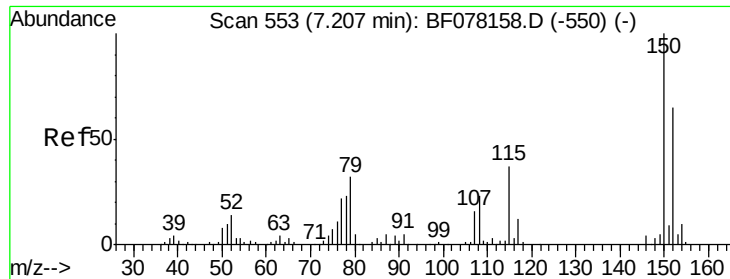
#14
 1,2-Dichlorobenzene
 Concen: 154.13 ng
 RT: 7.22 min Scan# 554
 Delta R.T. 0.00 min
 Lab File: BF078237.D
 Acq: 3 Apr 2015 10:47

Tgt Ion:146 Resp: 82095
 Ion Ratio Lower Upper
 146 100
 148 62.6 50.2 75.4
 111 44.2 36.1 54.1



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 2.50 ng

RT: 7.21 min Scan# 553

Delta R.T. 0.00 min

Lab File: BF078237.D

Acq: 3 Apr 2015 10:47

Instrument :

BNA_F

ClientSampleId :

DCW-WW-105-33015DL

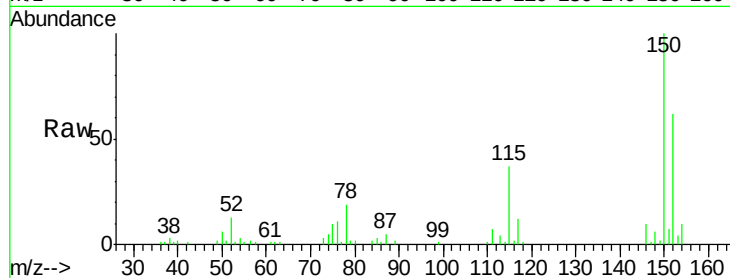
Tot Ion: 79 Resp: 957

Ion Ratio Lower Upper

79 100

108 0.0 57.6 86.4#

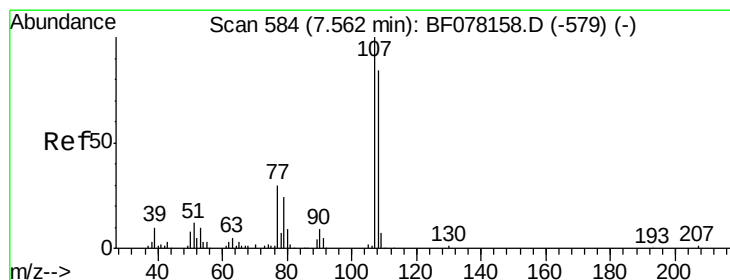
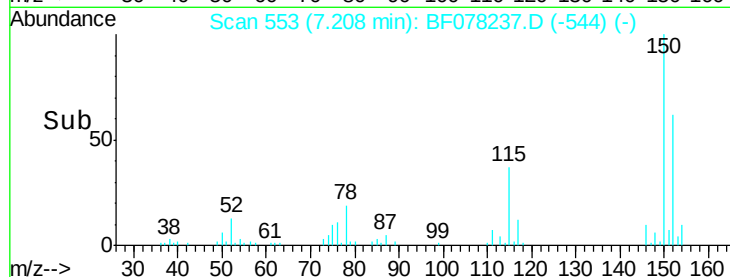
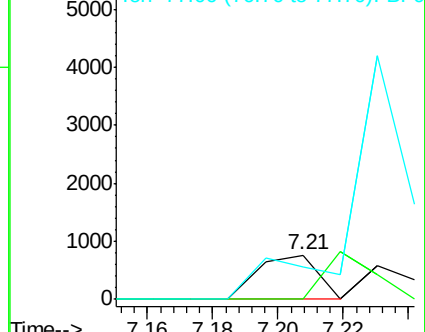
77 74.2 53.5 80.3



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0



#20

3+4-Methylphenols

Concen: 6.09 ng

RT: 7.57 min Scan# 585

Delta R.T. 0.01 min

Lab File: BF078237.D

Acq: 3 Apr 2015 10:47

Tgt Ion: 107 Resp: 3243

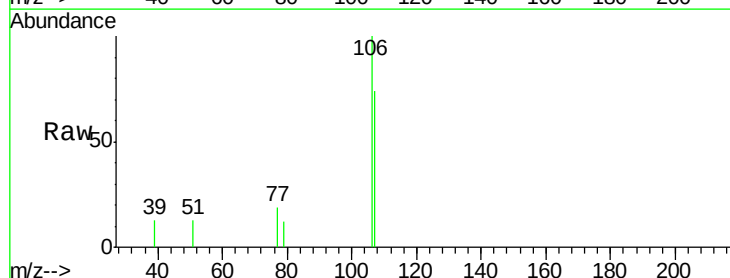
Ion Ratio Lower Upper

107 100

108 0.0 64.4 104.4#

77 25.8 9.7 49.7

79 15.9 4.0 44.0

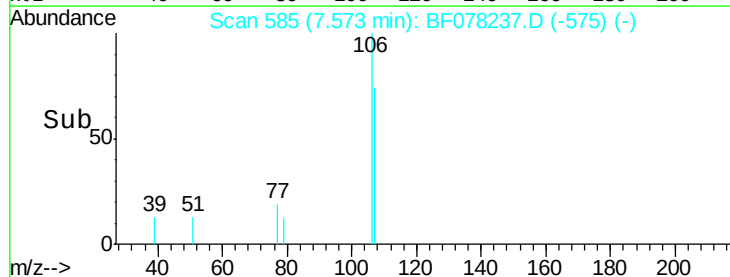
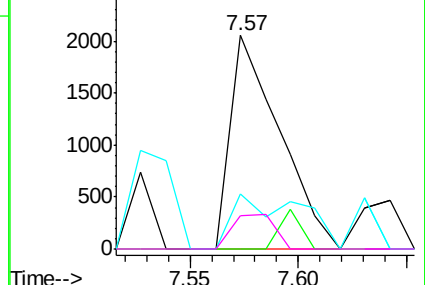


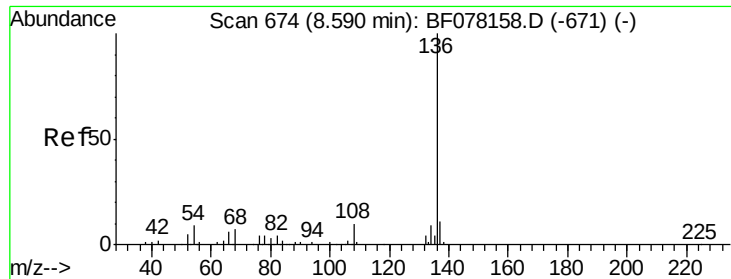
Abundance Ion 107.00 (106.70 to 107.70): E

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





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.59 min Scan# 674

Delta R.T. 0.00 min

Lab File: BF078237.D

Acq: 3 Apr 2015 10:47

Instrument :

BNA_F

ClientSampleId :

DCW-WW-105-33015DL

Tot Ion:136 Resp: 28257

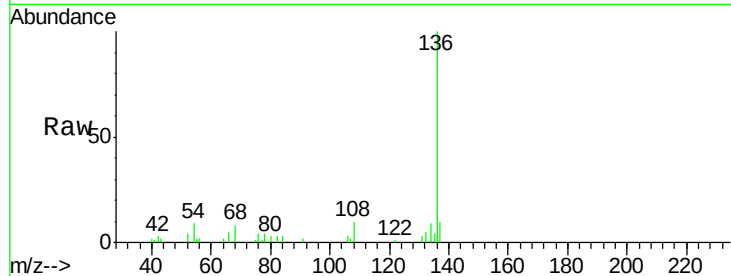
Ion Ratio Lower Upper

136 100

137 10.1 9.0 13.4

54 9.2 7.0 10.6

68 7.9 5.4 8.2

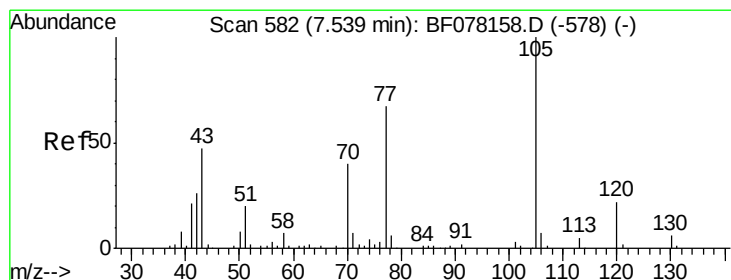
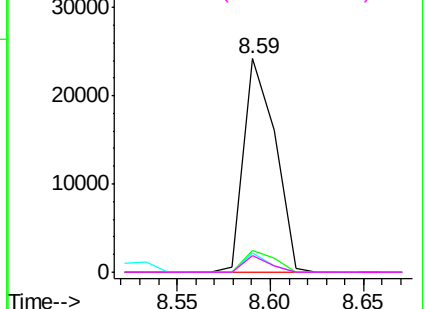
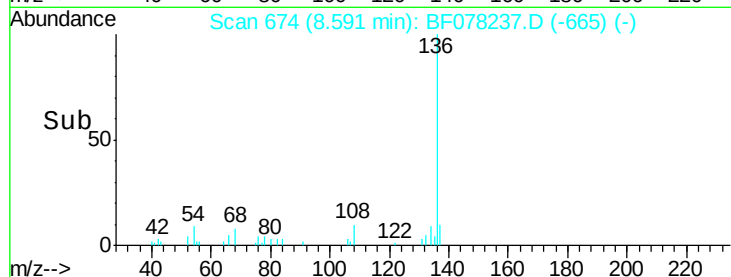


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 2.86 ng

RT: 7.54 min Scan# 582

Delta R.T. 0.00 min

Lab File: BF078237.D

Acq: 3 Apr 2015 10:47

Tgt Ion:105 Resp: 1882

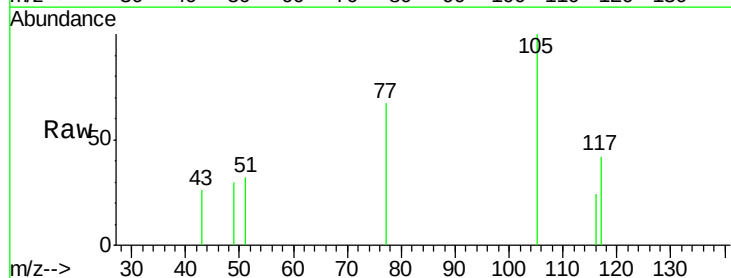
Ion Ratio Lower Upper

105 100

71 0.0 5.5 8.3#

51 32.2 16.0 24.0#

120 0.0 17.8 26.6#

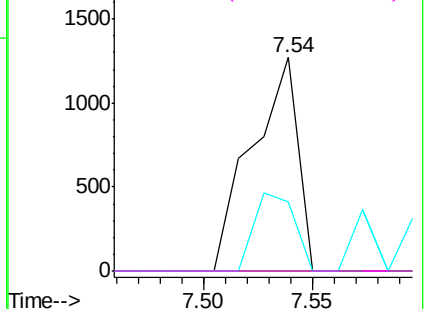
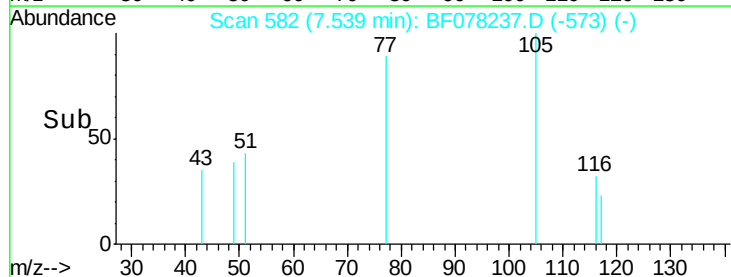


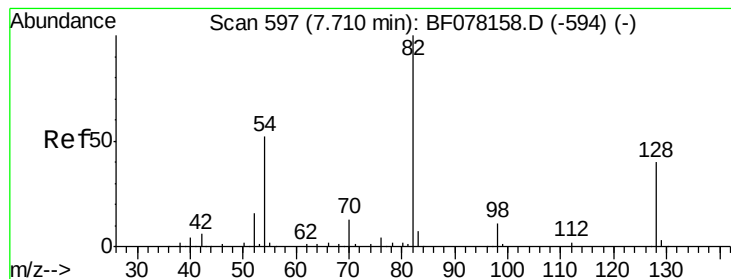
Abundance Ion 105.00 (104.70 to 105.70): E

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: 91.04 ng

RT: 7.71 min Scan# 597

Delta R.T. 0.00 min

Lab File: BF078237.D

Acq: 3 Apr 2015 10:47

Instrument :

BNA_F

ClientSampleId :

DCW-WW-105-33015DL

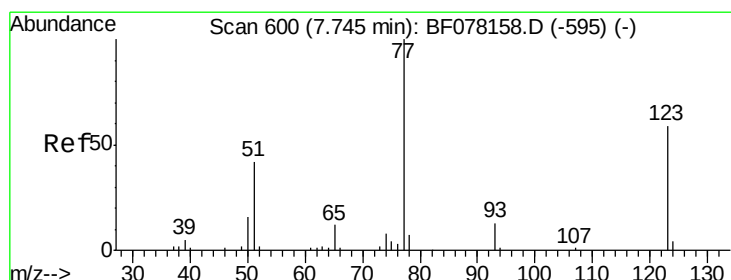
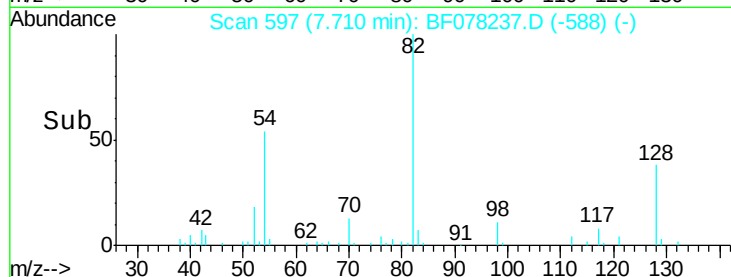
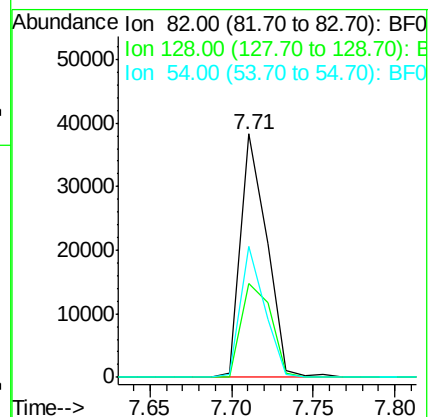
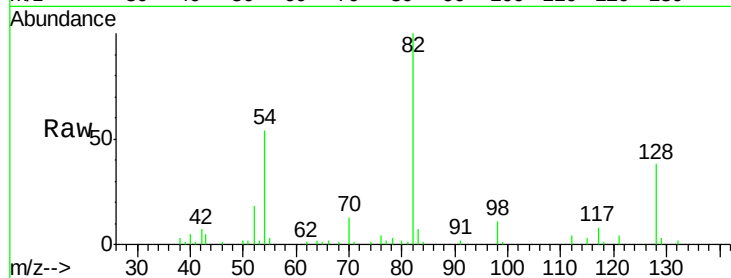
Tot Ion: 82 Resp: 42440

Ion Ratio Lower Upper

82 100

128 38.3 31.8 47.8

54 53.8 41.5 62.3



#24

Nitrobenzene

Concen: 5.09 ng

RT: 7.74 min Scan# 600

Delta R.T. 0.00 min

Lab File: BF078237.D

Acq: 3 Apr 2015 10:47

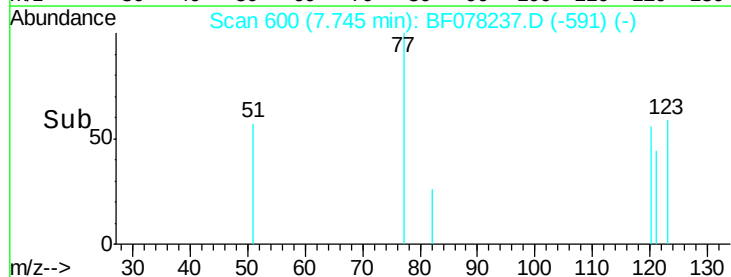
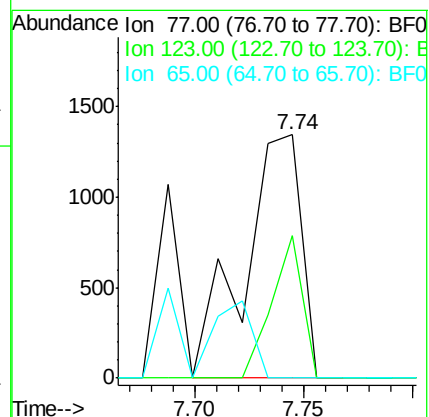
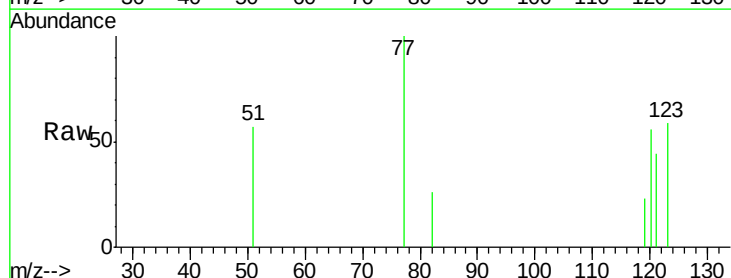
Tgt Ion: 77 Resp: 2479

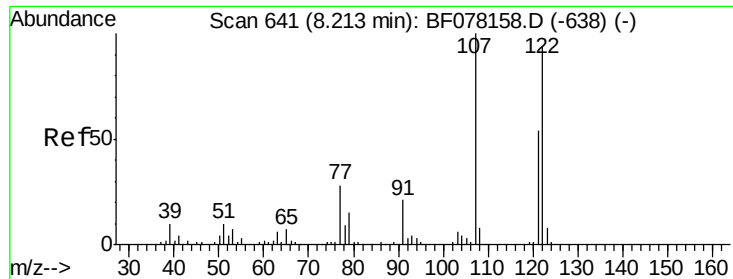
Ion Ratio Lower Upper

77 100

123 58.6 46.9 70.3

65 0.0 9.5 14.3#

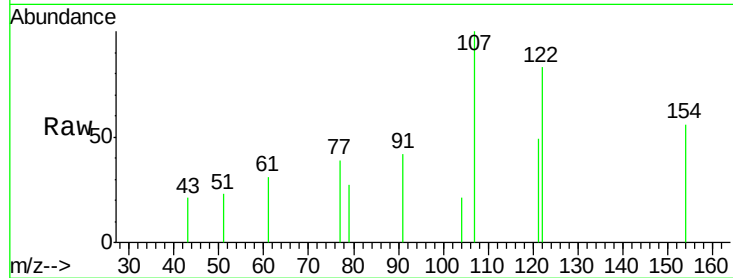




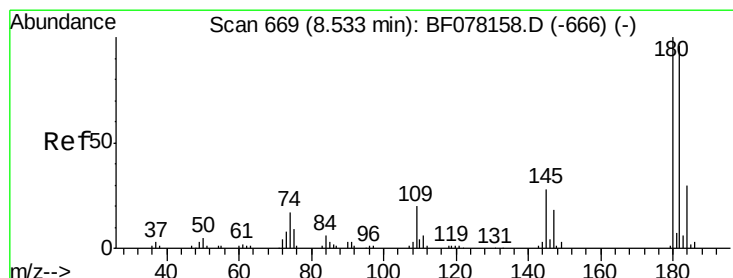
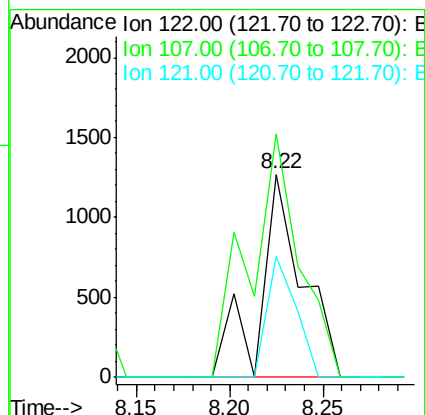
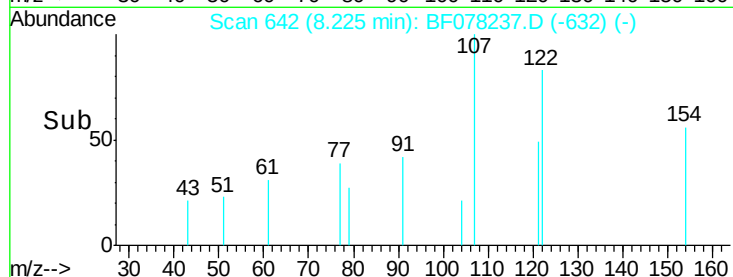
#27
 2,4-Dimethylphenol
 Concen: 4.66 ng
 RT: 8.22 min Scan# 642
 Delta R.T. 0.01 min
 Lab File: BF078237.D
 Acq: 3 Apr 2015 10:47

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-105-33015DL

Tot Ion:122 Resp: 2011
 Ion Ratio Lower Upper
 122 100
 107 119.8 84.6 127.0
 121 59.2 46.0 69.0

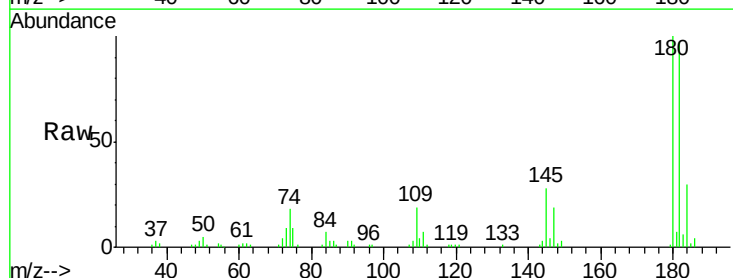


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

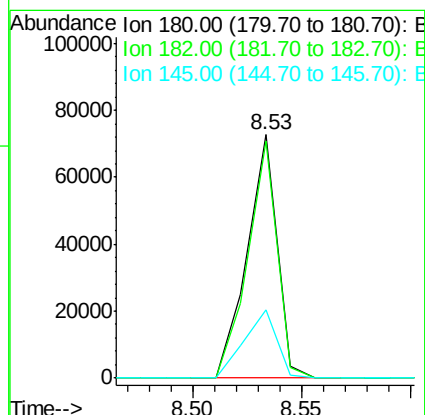
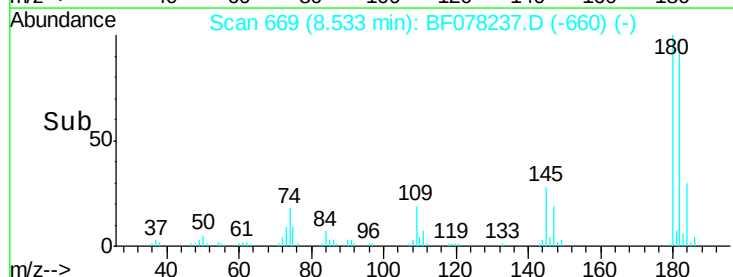


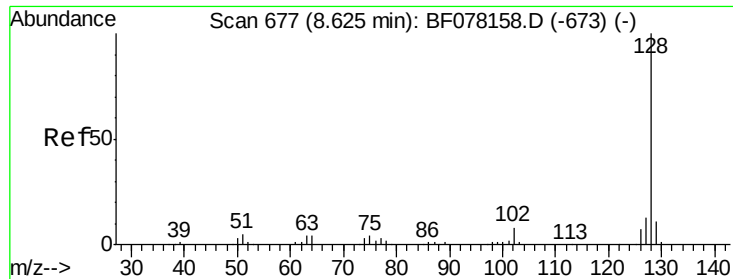
#30
 1,2,4-Trichlorobenzene
 Concen: 154.45 ng
 RT: 8.53 min Scan# 669
 Delta R.T. 0.00 min
 Lab File: BF078237.D
 Acq: 3 Apr 2015 10:47

Tgt Ion:180 Resp: 69575
 Ion Ratio Lower Upper
 180 100
 182 97.3 76.9 115.3
 145 28.1 22.5 33.7



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

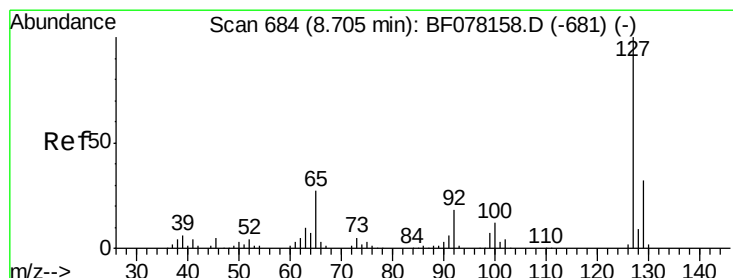
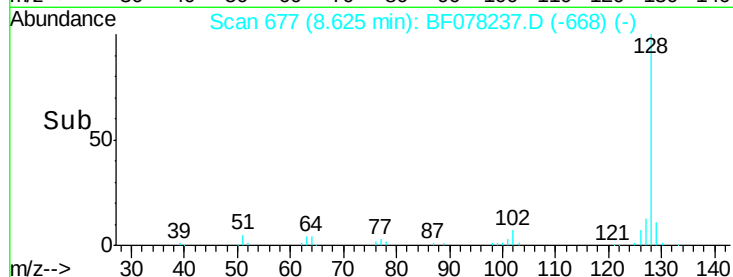
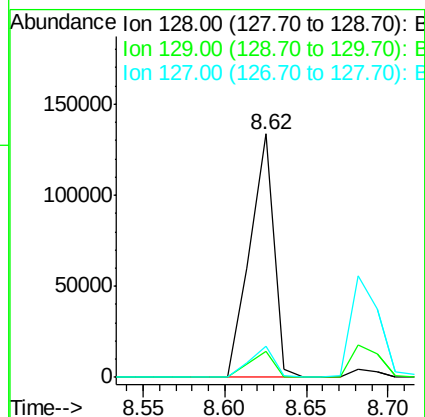
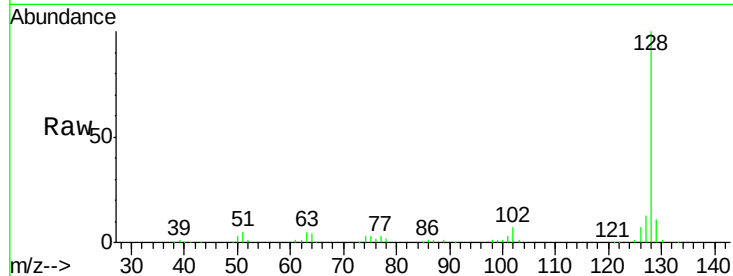




#31
Naphthalene
Concen: 93.22 ng
RT: 8.62 min Scan# 677
Delta R.T. 0.00 min
Lab File: BF078237.D
Acq: 3 Apr 2015 10:47

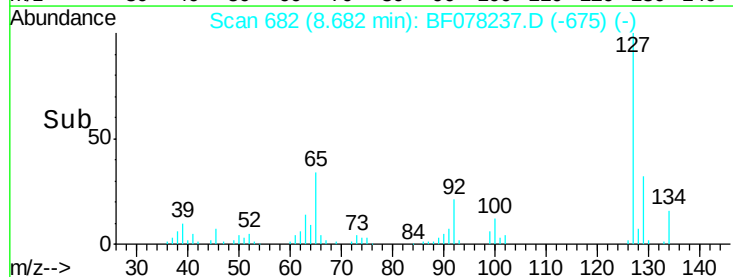
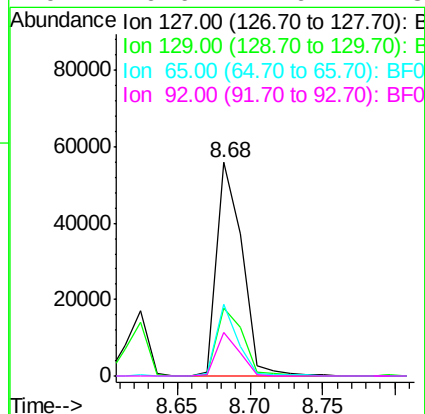
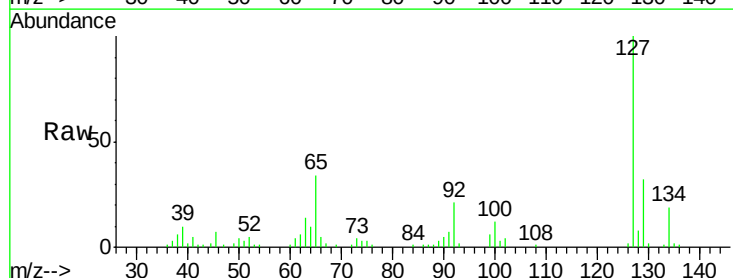
Instrument :
BNA_F
ClientSampleId :
DCW-WW-105-33015DL

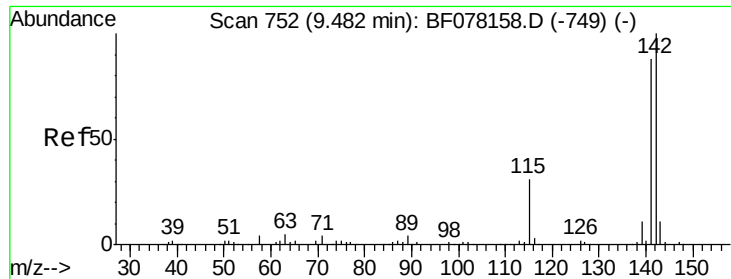
Tot Ion:128 Resp: 137108
Ion Ratio Lower Upper
128 100
129 10.6 8.6 12.8
127 12.9 10.7 16.1



#33
4-Chloroaniline
Concen: 112.23 ng
RT: 8.68 min Scan# 682
Delta R.T. -0.02 min
Lab File: BF078237.D
Acq: 3 Apr 2015 10:47

Tgt Ion:127 Resp: 68492
Ion Ratio Lower Upper
127 100
129 31.6 25.5 38.3
65 33.8 21.7 32.5#
92 20.6 14.6 21.8

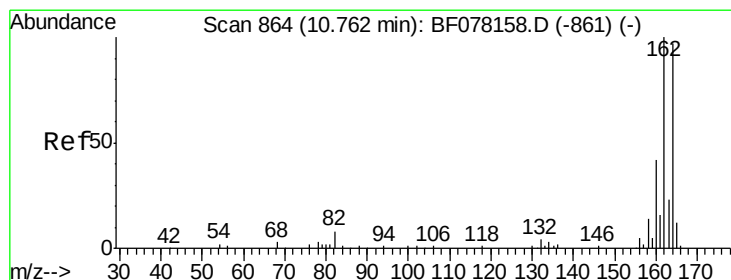
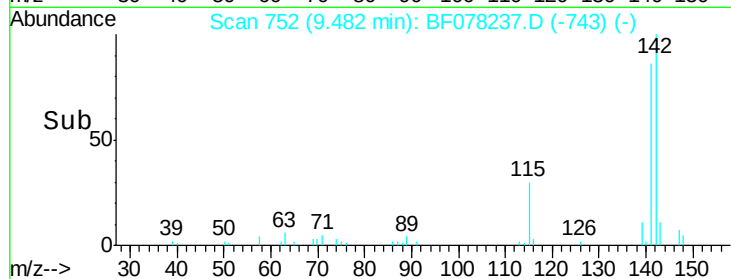
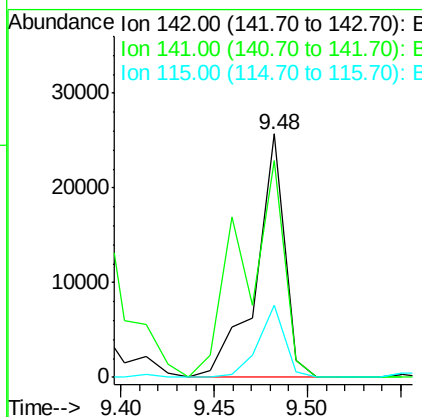
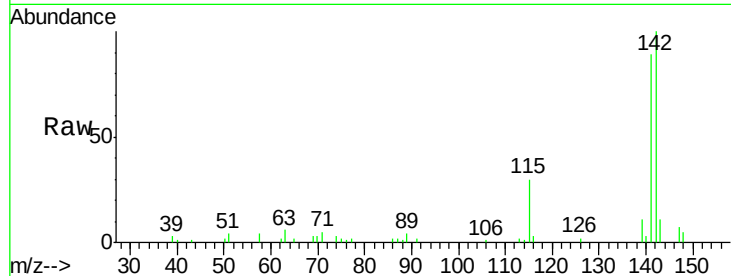




#37
 2-Methylnaphthalene
 Concen: 27.43 ng
 RT: 9.48 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: BF078237.D
 Acq: 3 Apr 2015 10:47

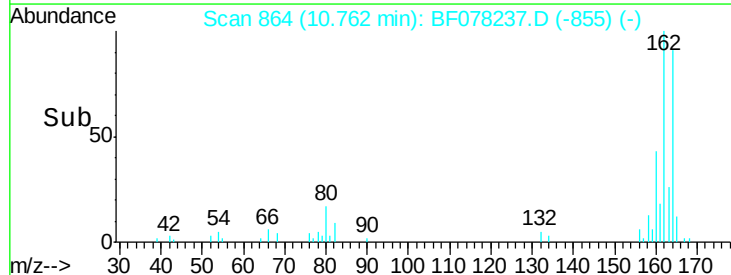
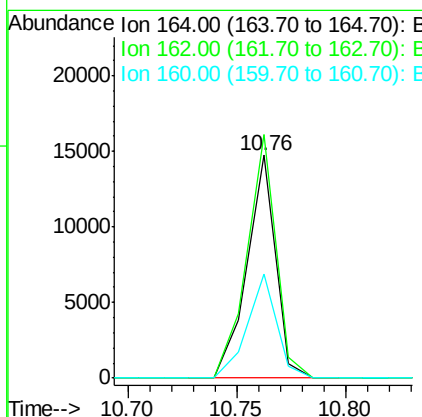
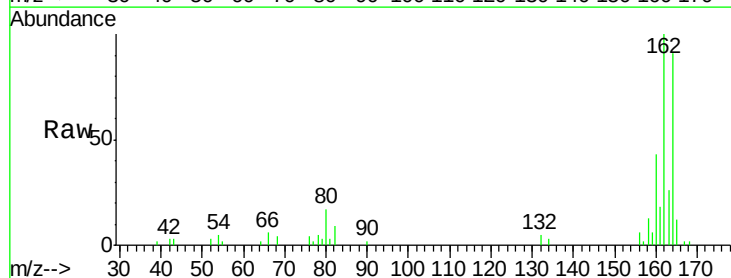
Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-105-33015DL

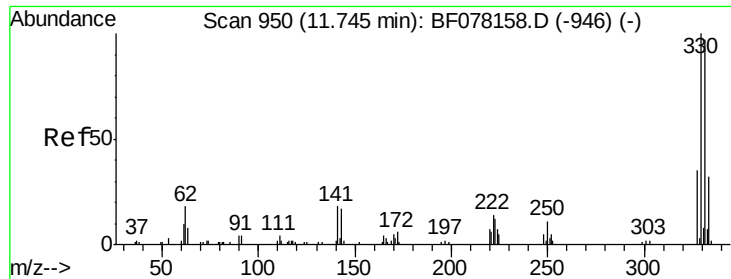
Tot Ion:142 Resp: 27390
 Ion Ratio Lower Upper
 142 100
 141 89.1 70.3 105.5
 115 29.9 24.6 37.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.76 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: BF078237.D
 Acq: 3 Apr 2015 10:47

Tgt Ion:164 Resp: 13442
 Ion Ratio Lower Upper
 164 100
 162 109.3 82.2 123.2
 160 46.7 34.7 52.1

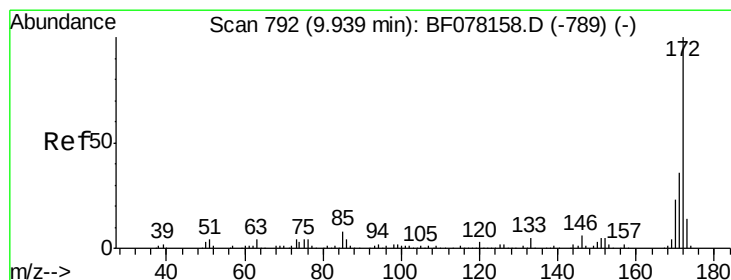
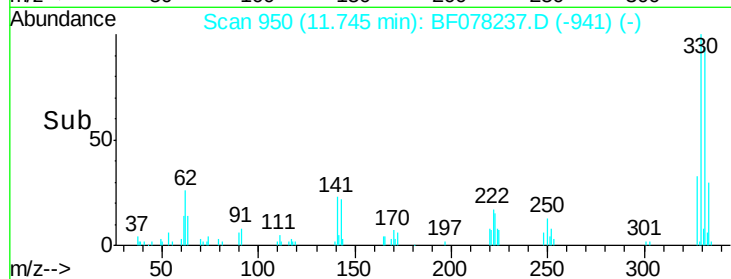
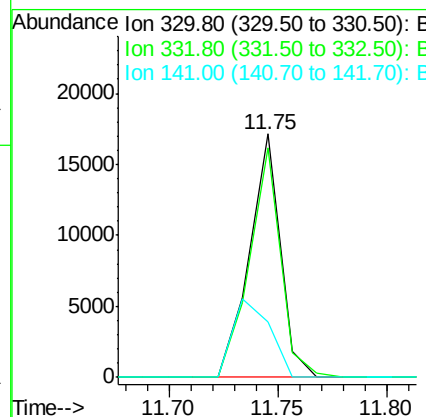
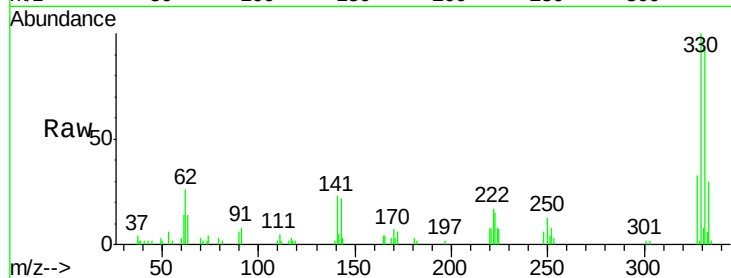




#41
 2,4,6-Tribromophenol
 Concen: 151.12 ng
 RT: 11.75 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: BF078237.D
 Acq: 3 Apr 2015 10:47

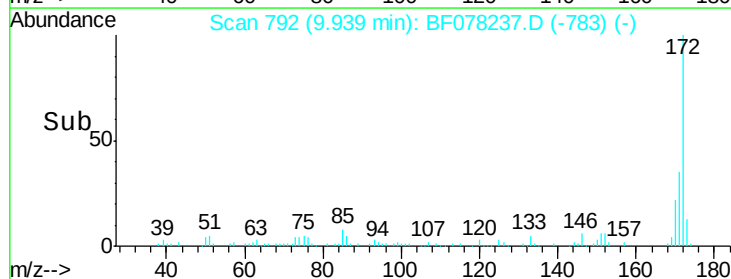
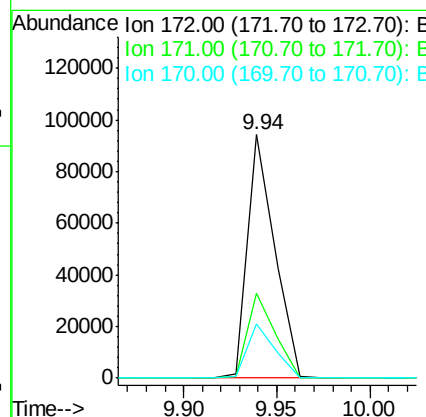
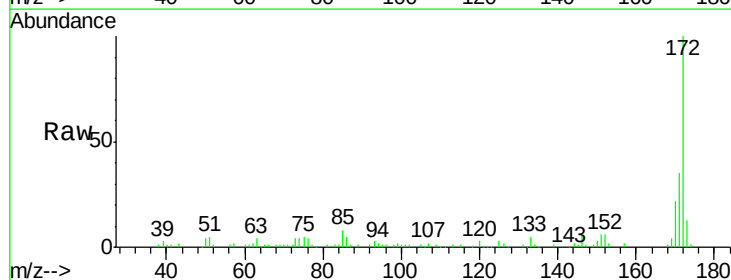
Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-105-33015DL

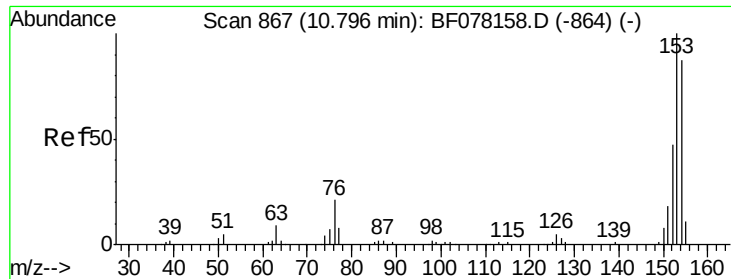
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	78.6	117.8
141	38.2	31.2	46.8



#44
 2-Fluorobiphenyl
 Concen: 101.97 ng
 RT: 9.94 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: BF078237.D
 Acq: 3 Apr 2015 10:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.6	42.8
170	22.5	18.5	27.7





#51

Acenaphthene

Concen: 11.27 ng

RT: 10.80 min Scan# 867

Delta R.T. 0.00 min

Lab File: BF078237.D

Acq: 3 Apr 2015 10:47

Instrument :

BNA_F

ClientSampleId :

DCW-WW-105-33015DL

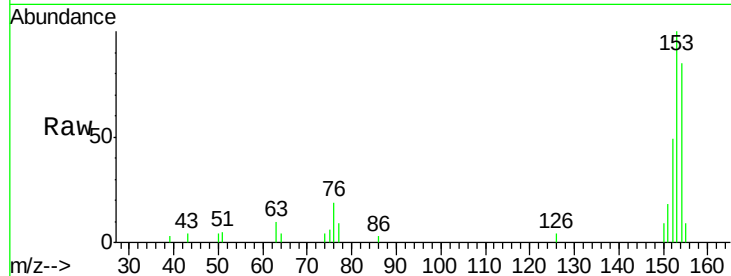
Tot Ion:154 Resp: 8864

Ion Ratio Lower Upper

154 100

153 117.6 91.4 137.2

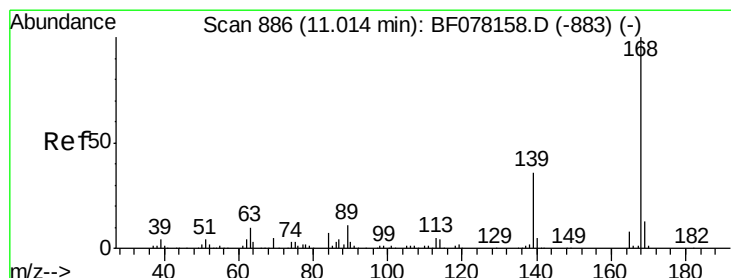
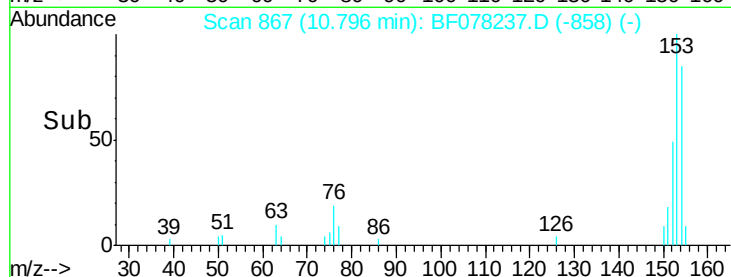
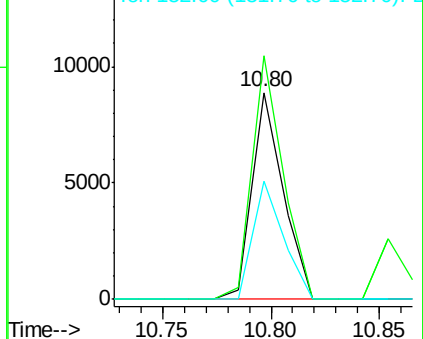
152 57.2 43.0 64.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 5.68 ng

RT: 11.01 min Scan# 886

Delta R.T. 0.00 min

Lab File: BF078237.D

Acq: 3 Apr 2015 10:47

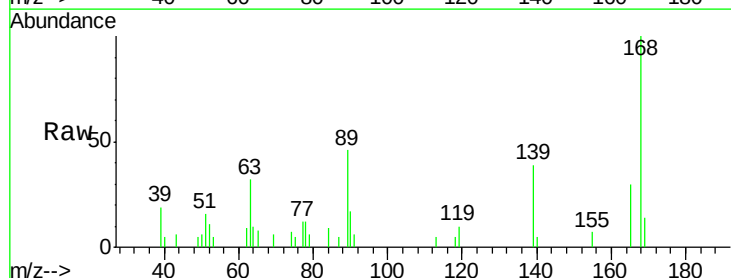
Tgt Ion:168 Resp: 6821

Ion Ratio Lower Upper

168 100

139 39.2 31.0 46.4

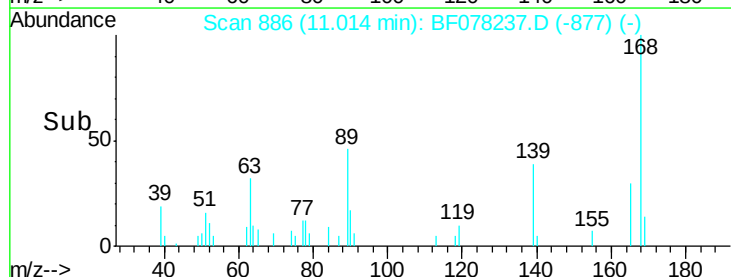
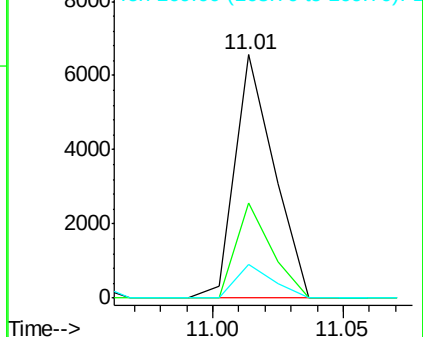
169 13.9 10.7 16.1

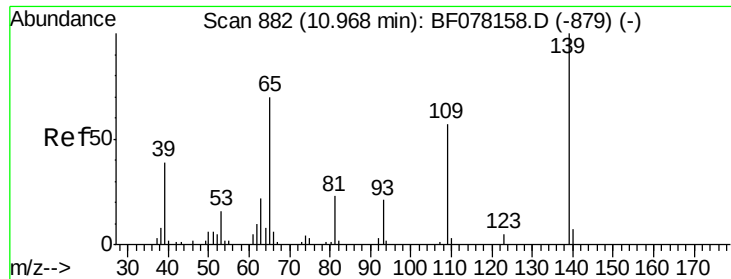


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

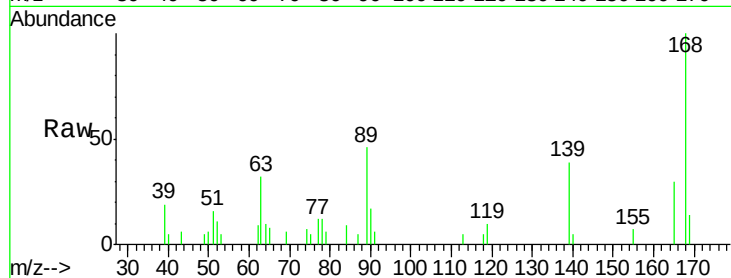




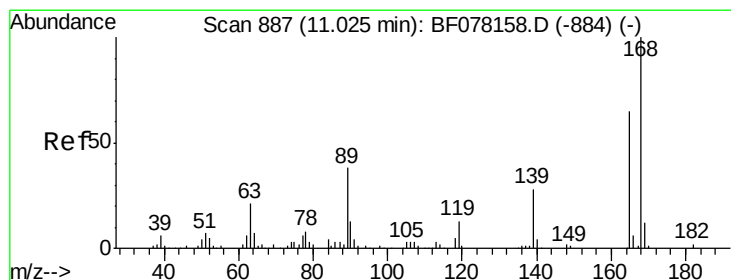
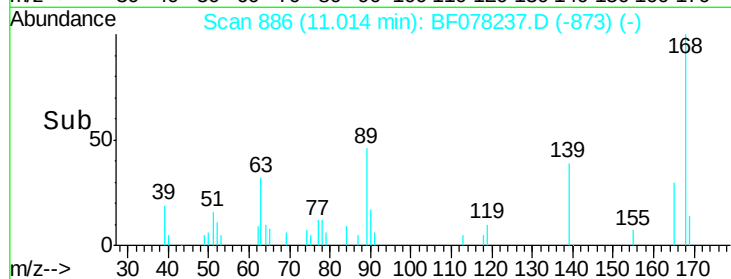
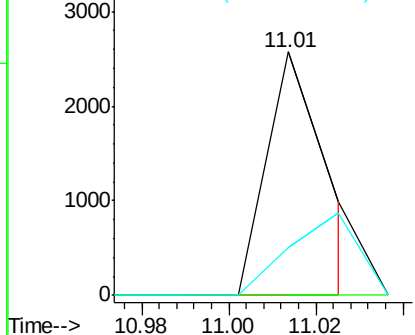
#55
4-Nitrophenol
Concen: 16.33 ng
RT: 11.01 min Scan# 886
Delta R.T. 0.05 min
Lab File: BF078237.D
Acq: 3 Apr 2015 10:47

Instrument :
BNA_F
ClientSampleId :
DCW-WW-105-33015DL

Tot Ion:139 Resp: 2444
Ion Ratio Lower Upper
139 100
109 0.0 36.7 76.7#
65 19.5 49.9 89.9#

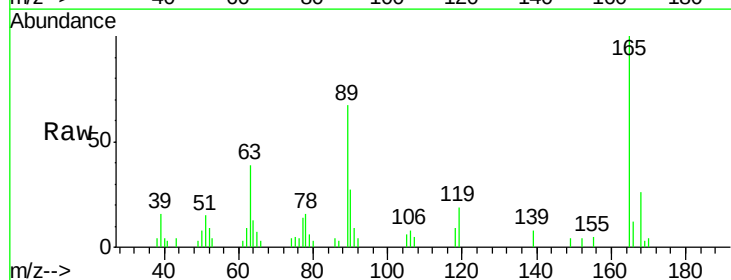


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

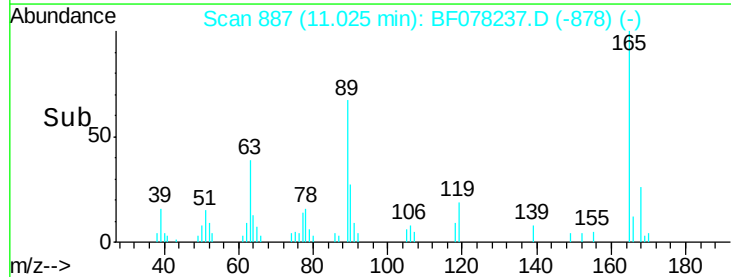
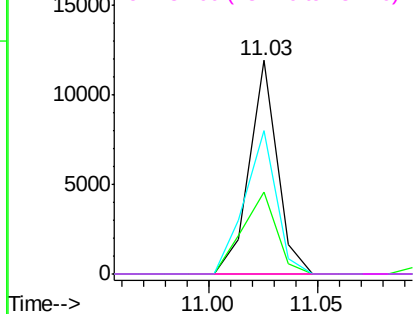


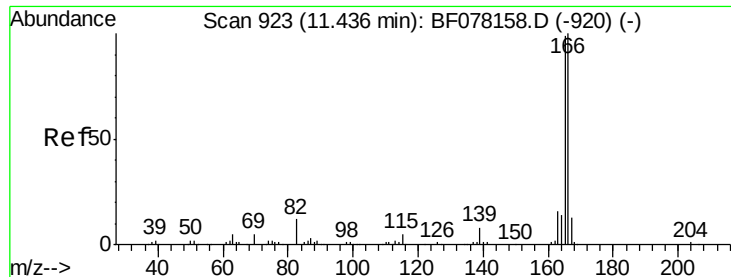
#56
2,4-Dinitrotoluene
Concen: 39.48 ng
RT: 11.03 min Scan# 887
Delta R.T. 0.00 min
Lab File: BF078237.D
Acq: 3 Apr 2015 10:47

Tgt Ion:165 Resp: 10625
Ion Ratio Lower Upper
165 100
63 38.5 26.5 39.7
89 67.1 46.4 69.6
182 0.0 2.0 3.0#



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

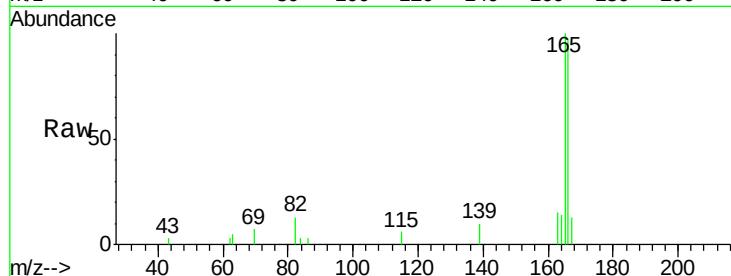




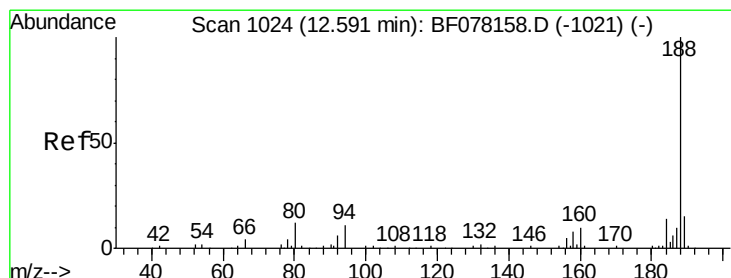
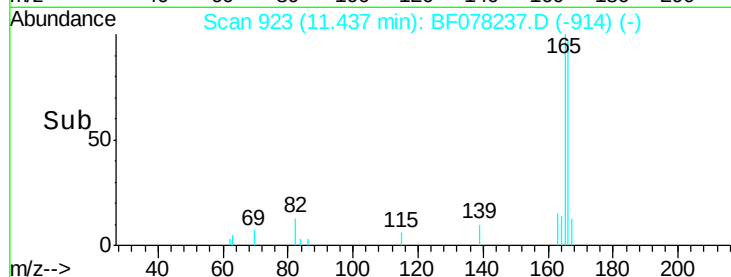
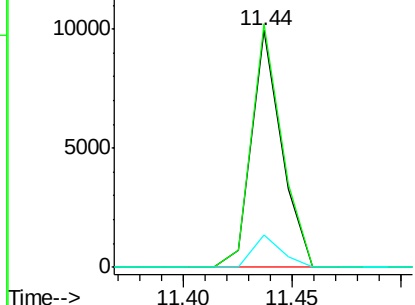
#57
 Fluorene
 Concen: 9.83 ng
 RT: 11.44 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: BF078237.D
 Acq: 3 Apr 2015 10:47

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-105-33015DL

Tot Ion:166 Resp: 9571
 Ion Ratio Lower Upper
 166 100
 165 102.8 78.9 118.3
 167 13.6 10.7 16.1

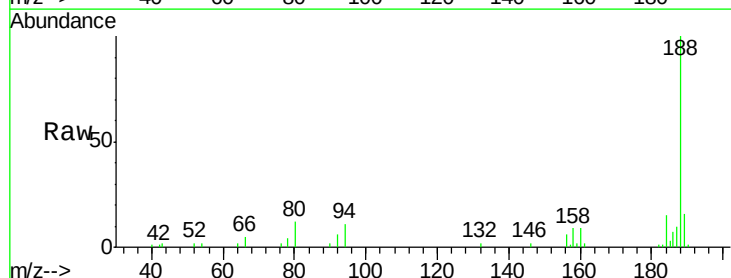


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

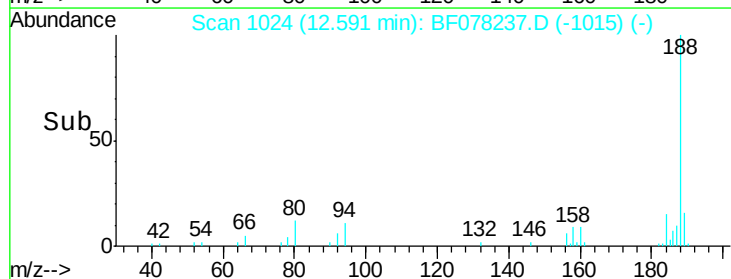
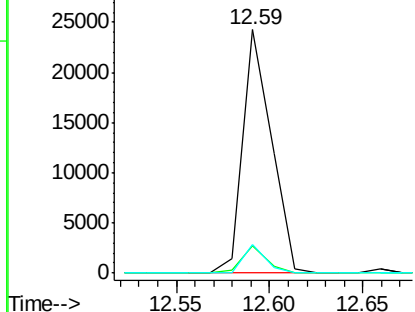


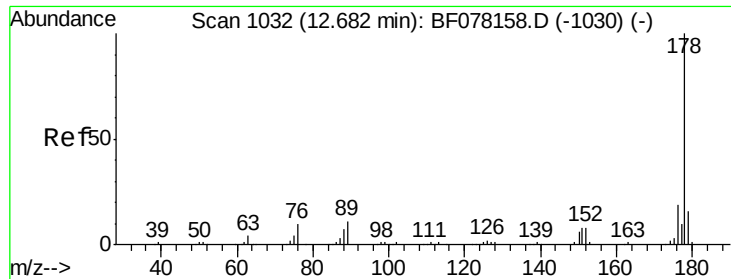
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.59 min Scan# 1024
 Delta R.T. 0.00 min
 Lab File: BF078237.D
 Acq: 3 Apr 2015 10:47

Tgt Ion:188 Resp: 26087
 Ion Ratio Lower Upper
 188 100
 94 11.3 9.0 13.4
 80 11.6 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

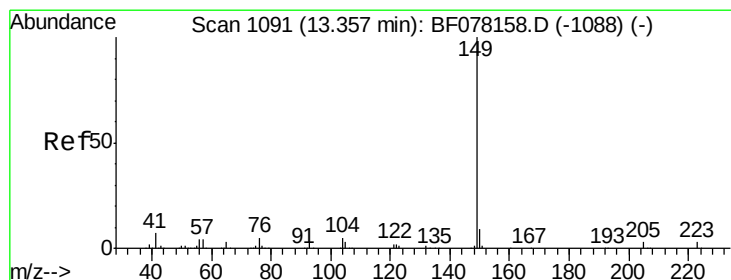
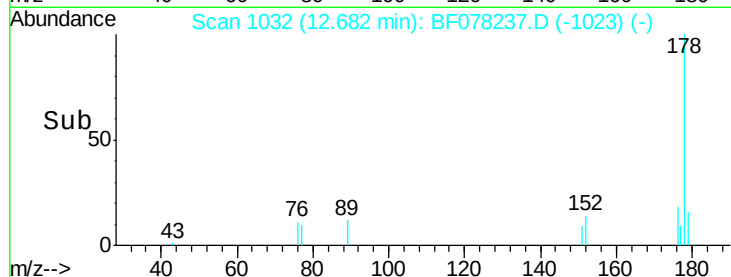
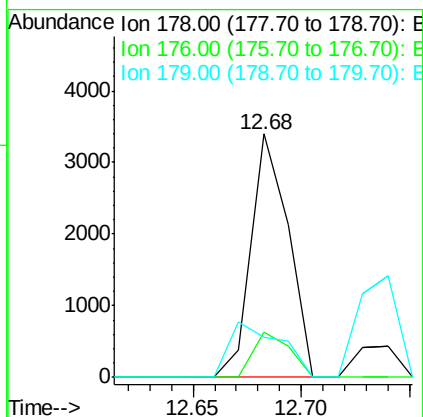
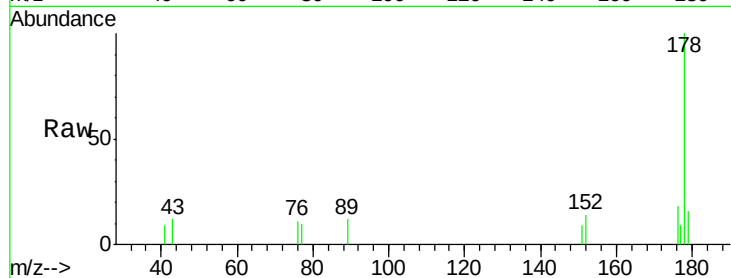




#71
 Anthracene
 Concen: 2.73 ng
 RT: 12.68 min Scan# 1032
 Delta R.T. 0.00 min
 Lab File: BF078237.D
 Acq: 3 Apr 2015 10:47

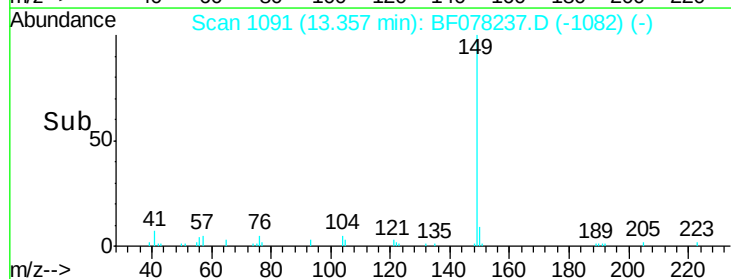
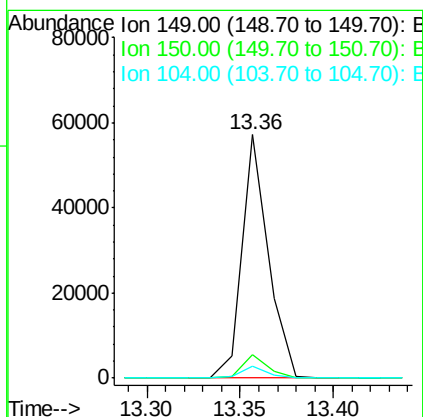
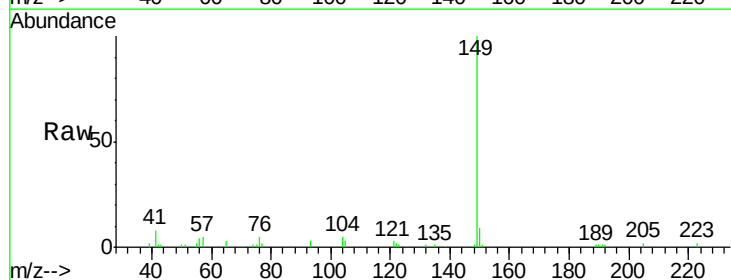
Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-105-33015DL

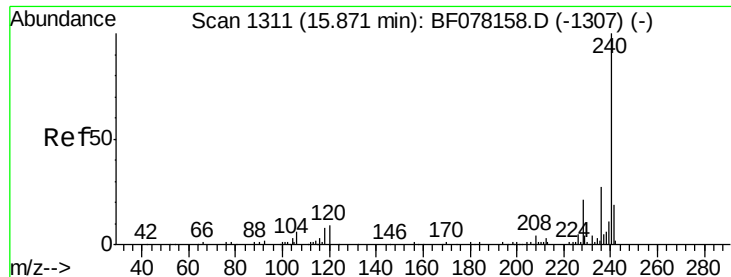
Tot Ion:178 Resp: 4062
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.8 22.2
 179 16.2 12.4 18.6



#73
 Di-n-butylphthalate
 Concen: 35.41 ng
 RT: 13.36 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: BF078237.D
 Acq: 3 Apr 2015 10:47

Tgt Ion:149 Resp: 55897
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.1 10.7
 104 5.1 3.8 5.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.87 min Scan# 1311

Delta R.T. 0.00 min

Lab File: BF078237.D

Acq: 3 Apr 2015 10:47

Instrument :

BNA_F

ClientSampleId :

DCW-WW-105-33015DL

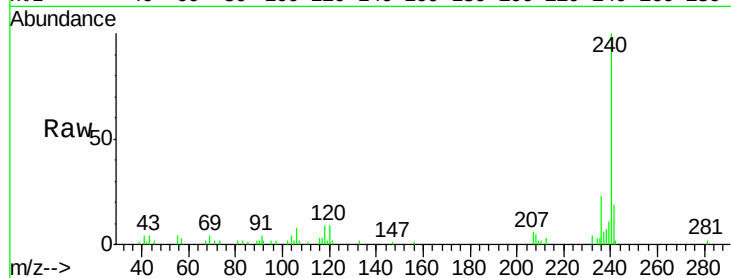
Tot Ion:240 Resp: 28168

Ion Ratio Lower Upper

240 100

120 8.8 7.1 10.7

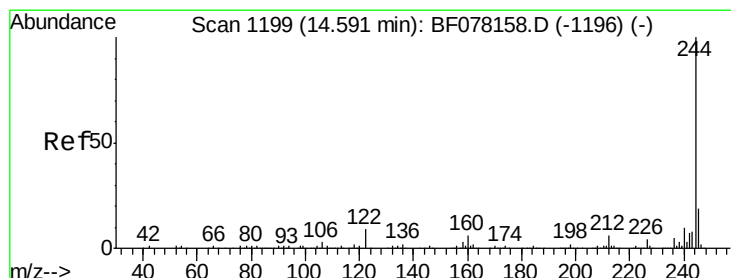
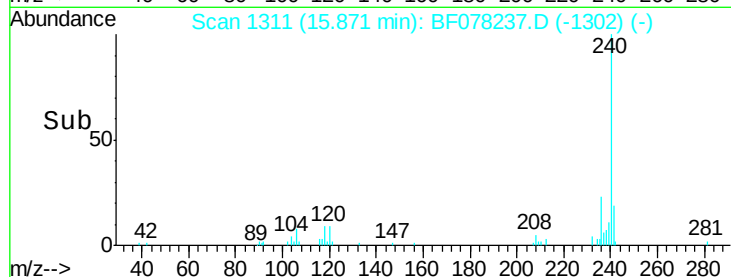
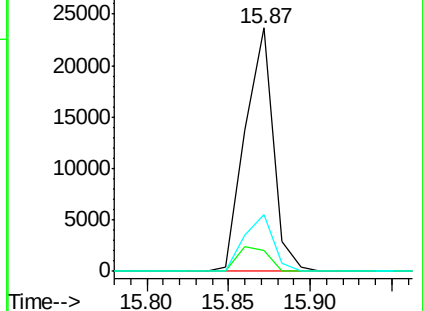
236 23.1 21.4 32.2



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: 91.80 ng

RT: 14.59 min Scan# 1199

Delta R.T. 0.00 min

Lab File: BF078237.D

Acq: 3 Apr 2015 10:47

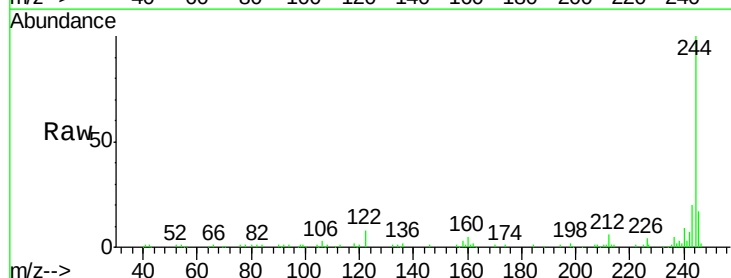
Tgt Ion:244 Resp: 114429

Ion Ratio Lower Upper

244 100

212 5.6 5.0 7.4

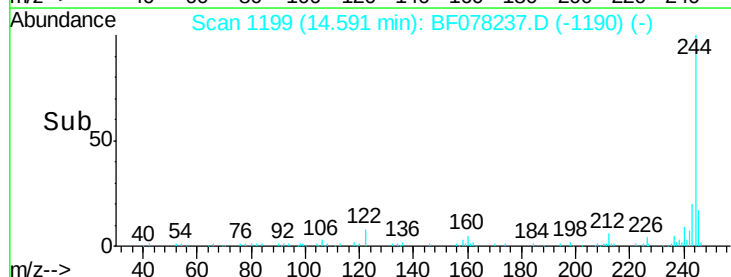
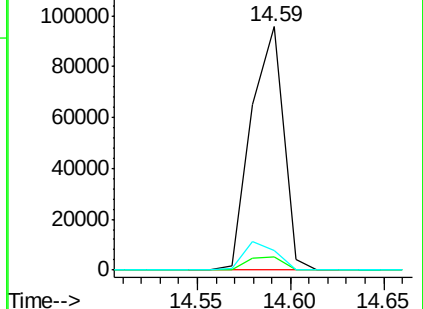
122 7.9 7.1 10.7

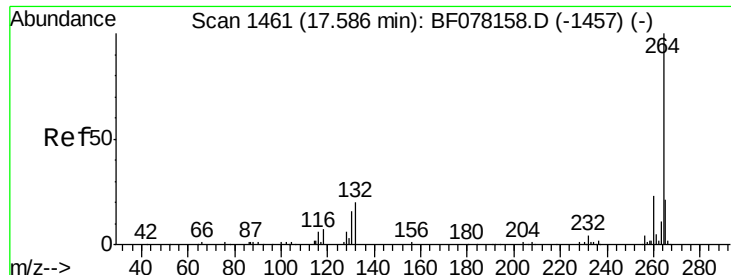


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

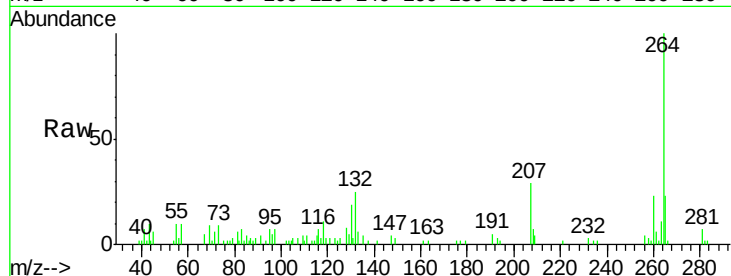




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 17.60 min Scan# 1462
 Delta R.T. 0.01 min
 Lab File: BF078237.D
 Acq: 3 Apr 2015 10:47

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-105-33015DL

Tot Ion: 264 Resp: 27784
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.6 27.8
 265 23.4 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

