

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040215\
 Data File : BF078236.D
 Acq On : 3 Apr 2015 10:18
 Operator : TP/IZ
 Sample : G1719-01DL 5X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-102-33015DL

Quant Time: Apr 03 12:39:04 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

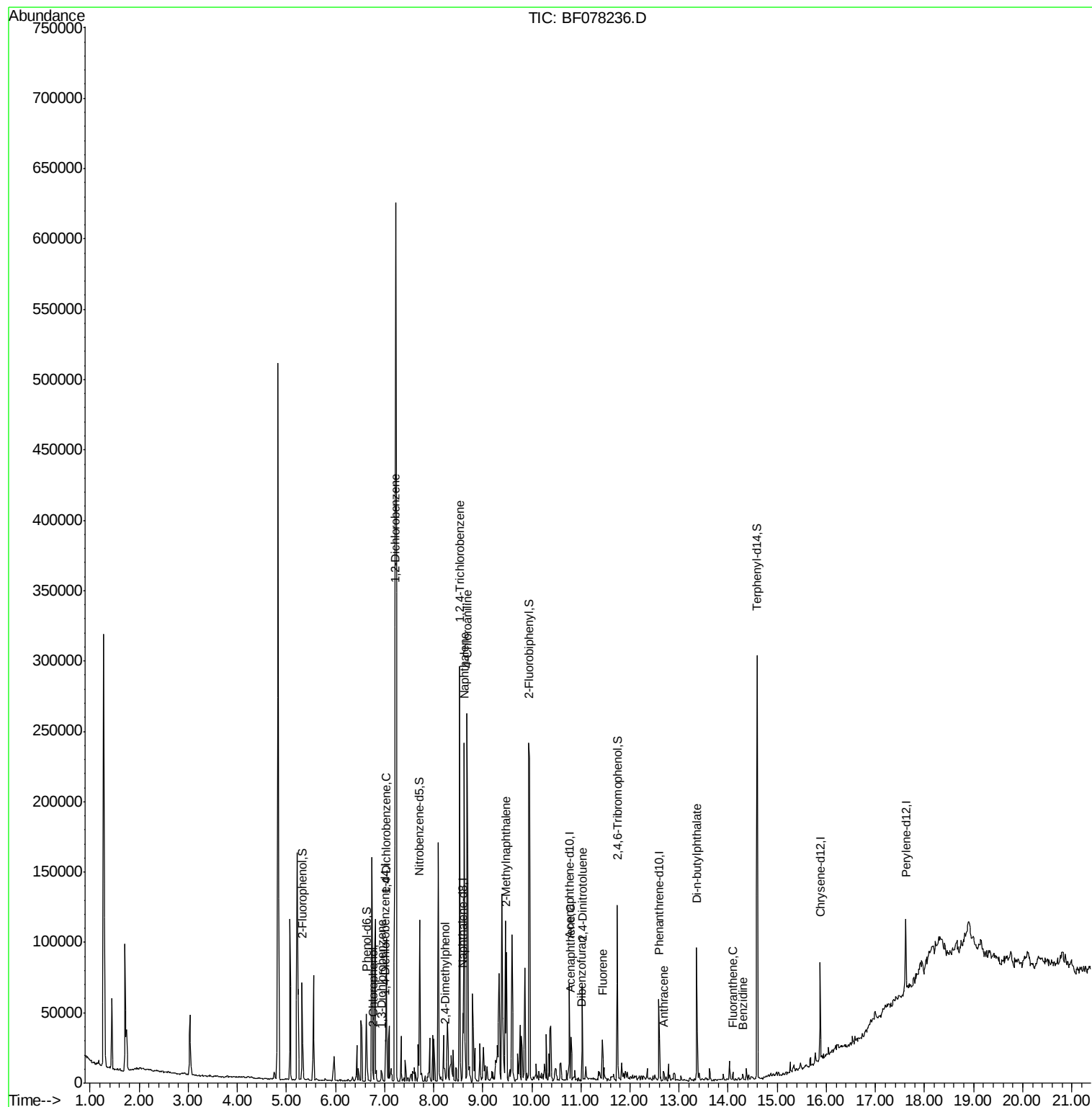
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	6511	20.00	ng	0.00
21) Naphthalene-d8	8.59	136	28534	20.00	ng	0.00
38) Acenaphthene-d10	10.76	164	14349	20.00	ng	0.00
63) Phenanthrene-d10	12.59	188	26765	20.00	ng	0.00
75) Chrysene-d12	15.87	240	28991	20.00	ng	0.00
86) Perylene-d12	17.62	264	29240	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	24766	62.71	ng	0.02
7) Phenol-d6	6.64	99	18125	36.62	ng	0.03
23) Nitrobenzene-d5	7.71	82	42107	89.45	ng	0.00
41) 2,4,6-Tribromophenol	11.74	330	16627	139.72	ng	0.00
44) 2-Fluorobiphenyl	9.94	172	98710	98.33	ng	0.00
78) Terphenyl-d14	14.59	244	111759	87.11	ng	0.00
Target Compounds						Qvalue
8) 2-Chlorophenol	6.76	128	1104	2.36	ng	# 75
12) 1,3-Dichlorobenzene	6.94	146	2760	5.38	ng	# 87
13) 1,4-Dichlorobenzene	7.04	146	28317	54.85	ng	100
14) 1,2-Dichlorobenzene	7.22	146	78040	161.21	ng	100
27) 2,4-Dimethylphenol	8.22	122	1920	4.40	ng	# 82
30) 1,2,4-Trichlorobenzene	8.53	180	60313	132.59	ng	96
31) Naphthalene	8.62	128	126450	85.14	ng	99
33) 4-Chloroaniline	8.68	127	93054	150.99	ng	94
37) 2-Methylnaphthalene	9.48	142	29033	28.79	ng	97
51) Acenaphthene	10.80	154	8935	10.64	ng	95
54) Dibenzofuran	11.01	168	6183	4.82	ng	# 89
56) 2,4-Dinitrotoluene	11.02	165	8965	31.21	ng	# 76
57) Fluorene	11.44	166	10102	9.72	ng	95
71) Anthracene	12.68	178	4297	2.82	ng	95
73) Di-n-butylphthalate	13.36	149	54362	33.56	ng	98
74) Fluoranthene	14.10	202	3358	2.06	ng	83
76) Benzydine	14.29	184	3168	2.84	ng	# 89

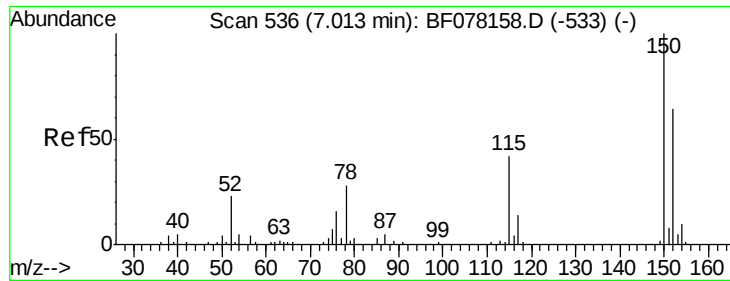
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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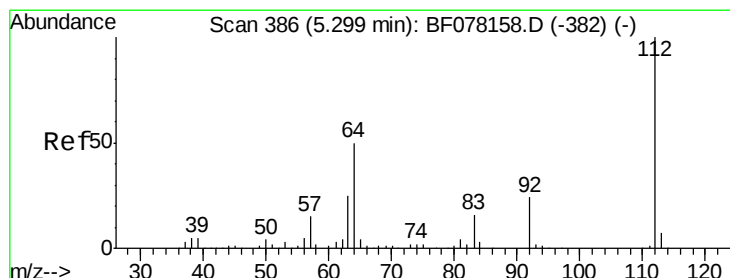
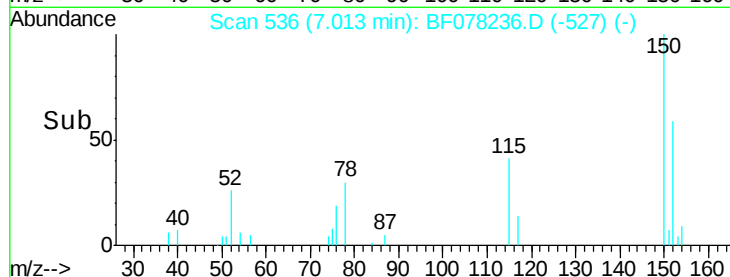
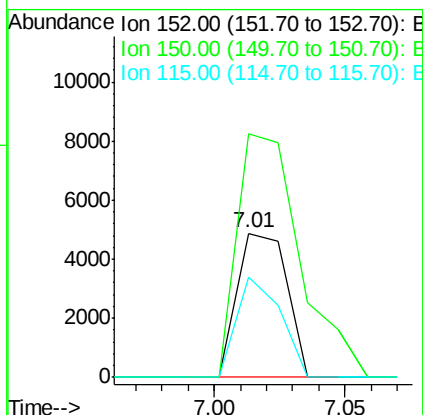
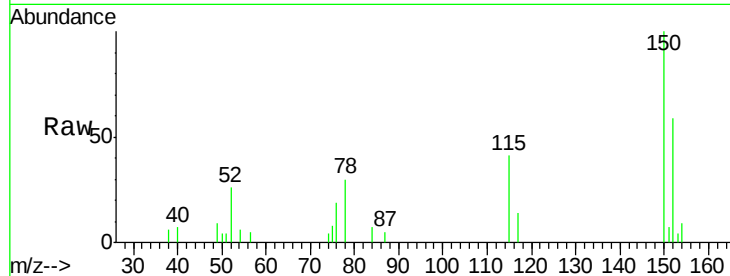


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.01 min Scan# 536
Delta R.T. -0.00 min
Lab File: BF078236.D
Acq: 3 Apr 2015 10:18

Instrument :
BNA_F
ClientSampleId :
DCW-WW-102-33015DL

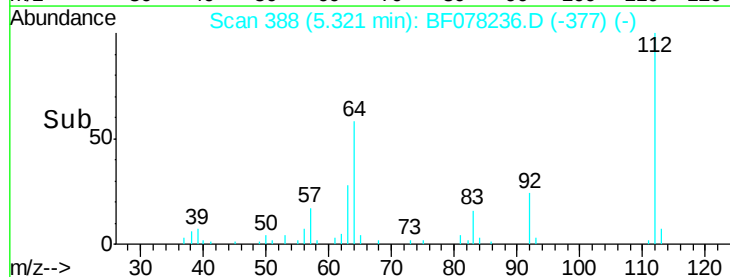
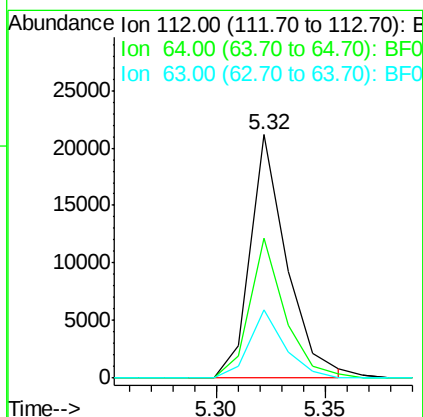
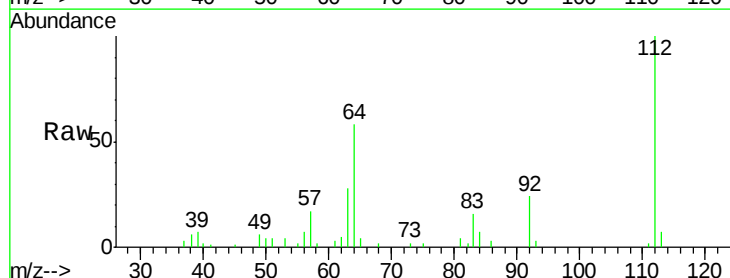
Tot Ion:152 Resp: 6511
Ion Ratio Lower Upper
152 100
150 169.2 125.9 188.9
115 69.3 52.7 79.1

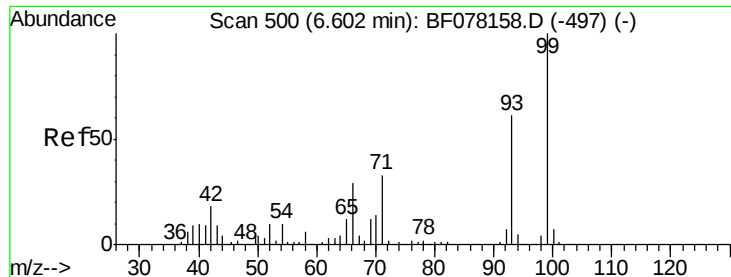


#5

2-Fluorophenol
Concen: 62.71 ng
RT: 5.32 min Scan# 388
Delta R.T. 0.02 min
Lab File: BF078236.D
Acq: 3 Apr 2015 10:18

Tgt Ion:112 Resp: 24766
Ion Ratio Lower Upper
112 100
64 57.7 39.9 59.9
63 28.0 20.2 30.4





#7

Phenol-d6

Concen: 36.62 ng

RT: 6.64 min Scan# 503

Delta R.T. 0.03 min

Lab File: BF078236.D

Acq: 3 Apr 2015 10:18

Instrument :

BNA_F

ClientSampleId :

DCW-WW-102-33015DL

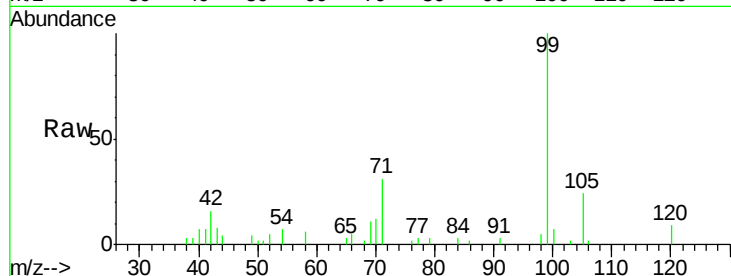
Tot Ion: 99 Resp: 18125

Ion Ratio Lower Upper

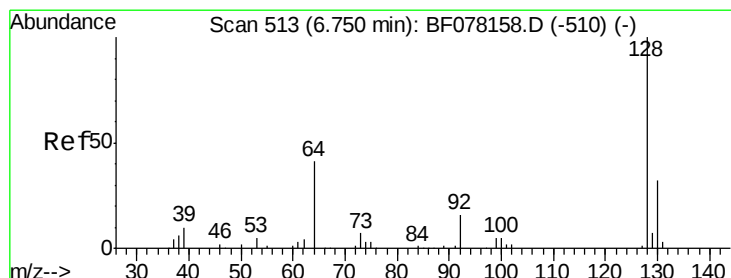
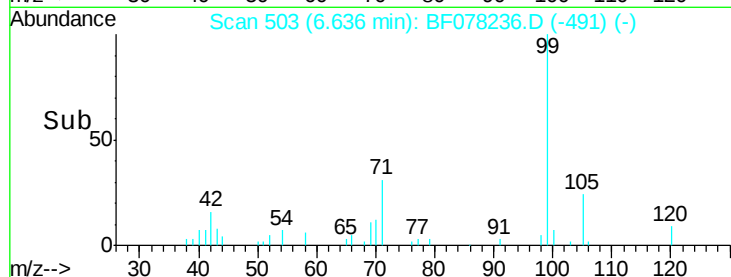
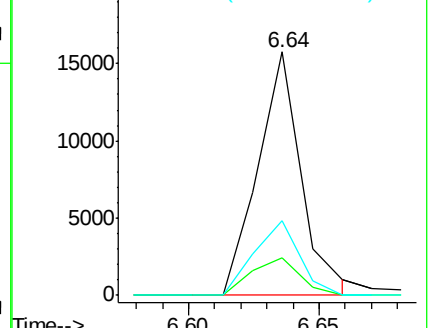
99 100

42 15.6 14.8 22.2

71 30.6 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



#8

2-Chlorophenol

Concen: 2.36 ng

RT: 6.76 min Scan# 514

Delta R.T. 0.01 min

Lab File: BF078236.D

Acq: 3 Apr 2015 10:18

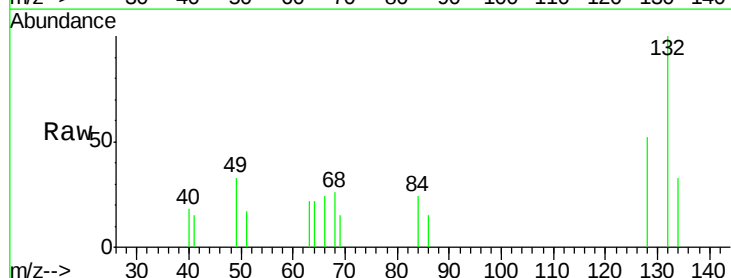
Tgt Ion: 128 Resp: 1104

Ion Ratio Lower Upper

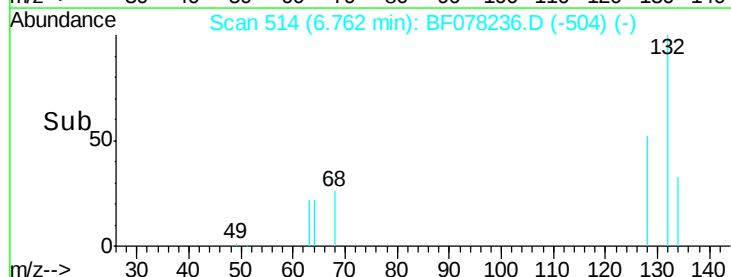
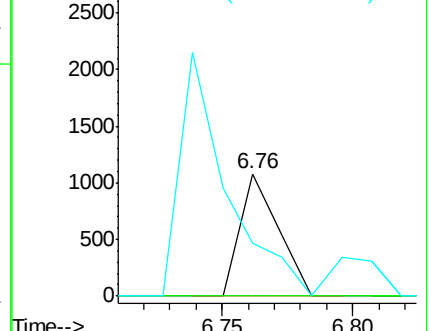
128 100

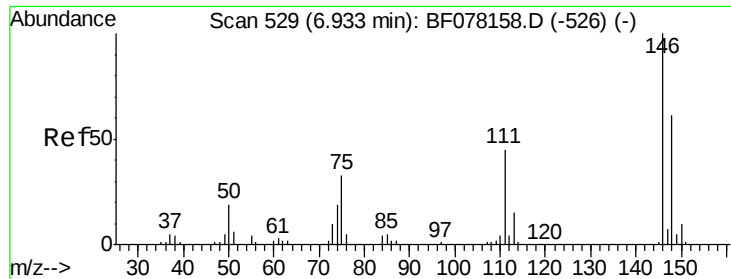
130 0.0 12.3 52.3#

64 43.1 23.8 63.8



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0

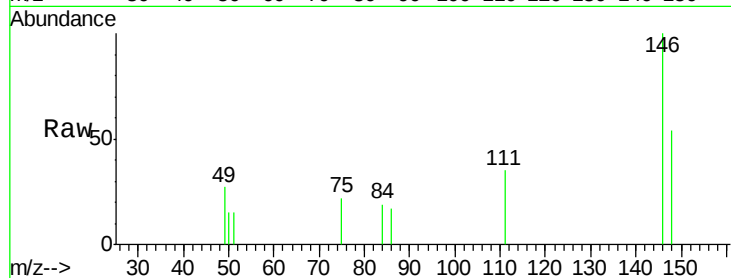




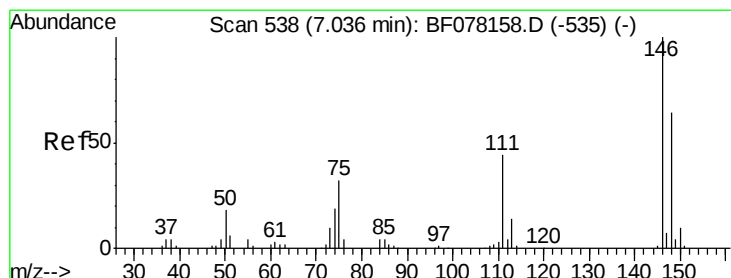
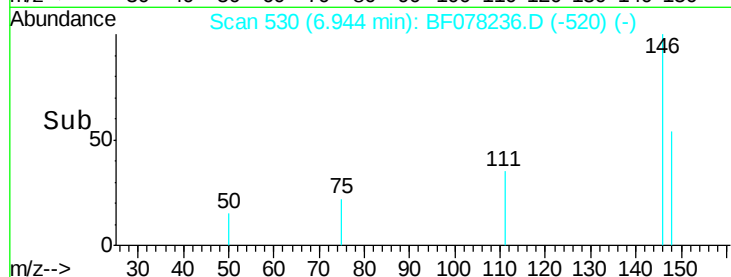
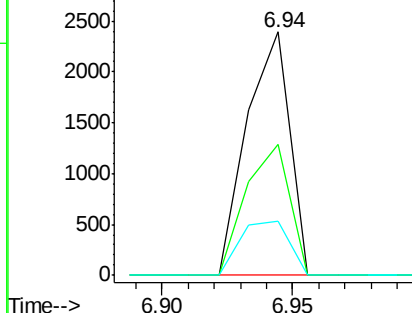
#12
 1,3-Dichlorobenzene
 Concen: 5.38 ng
 RT: 6.94 min Scan# 530
 Delta R.T. 0.01 min
 Lab File: BF078236.D
 Acq: 3 Apr 2015 10:18

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-102-33015DL

Tot Ion	Ratio	Lower	Upper
146	100		
148	54.0	49.1	73.7
75	22.2	26.6	40.0

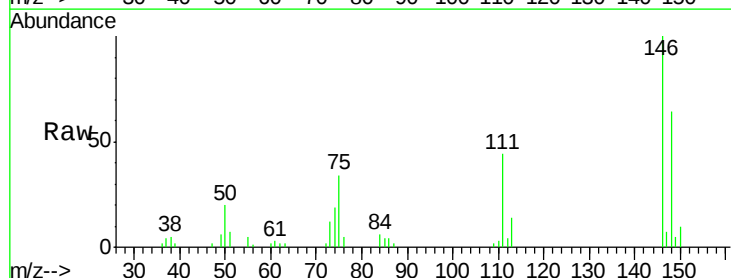


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): BF0

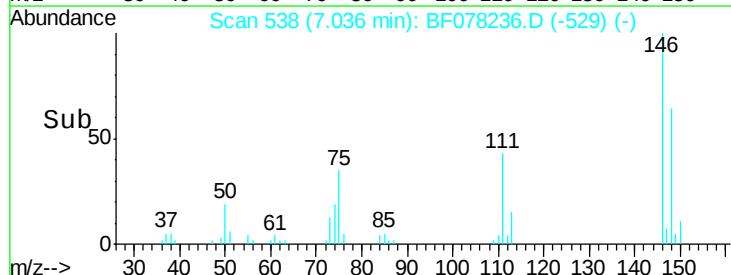
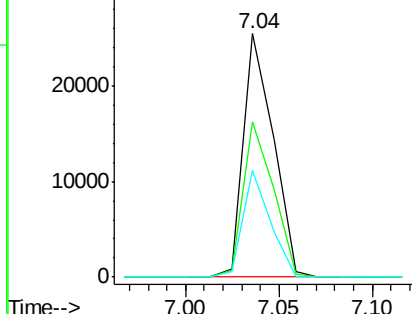


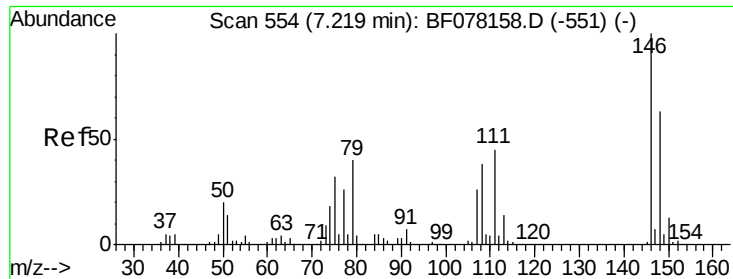
#13
 1,4-Dichlorobenzene
 Concen: 54.85 ng
 RT: 7.04 min Scan# 538
 Delta R.T. -0.00 min
 Lab File: BF078236.D
 Acq: 3 Apr 2015 10:18

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.4	77.0
111	43.7	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: 161.21 ng

RT: 7.22 min Scan# 554

Delta R.T. -0.00 min

Lab File: BF078236.D

Acq: 3 Apr 2015 10:18

Instrument :

BNA_F

ClientSampleId :

DCW-WW-102-33015DL

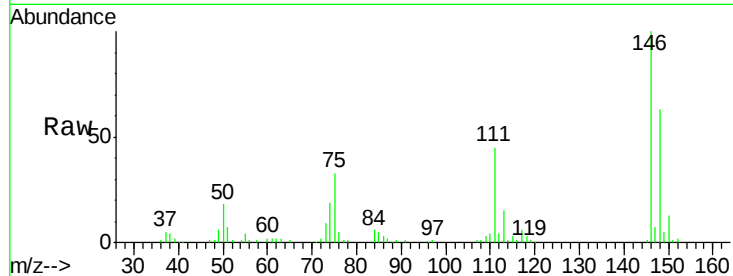
Tot Ion:146 Resp: 78040

Ion Ratio Lower Upper

146 100

148 62.8 50.2 75.4

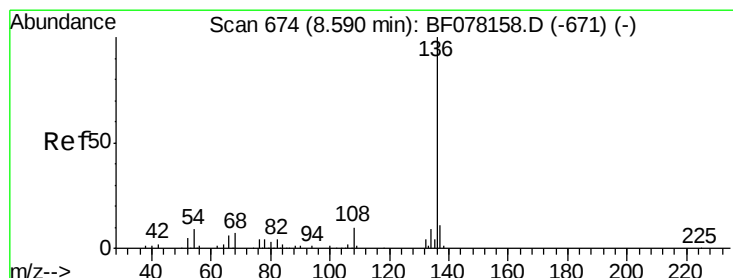
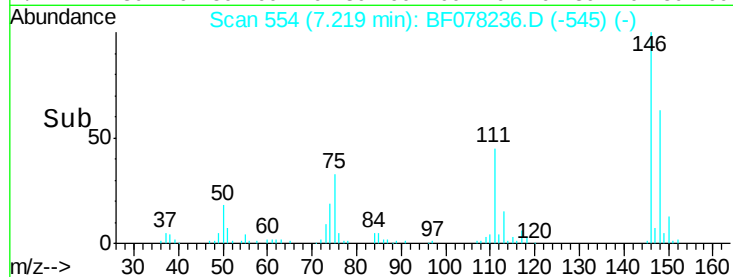
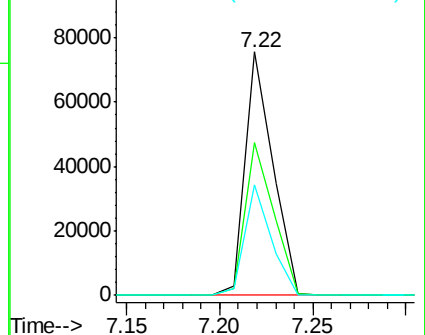
111 45.2 36.1 54.1



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.59 min Scan# 674

Delta R.T. -0.00 min

Lab File: BF078236.D

Acq: 3 Apr 2015 10:18

Tgt Ion:136 Resp: 28534

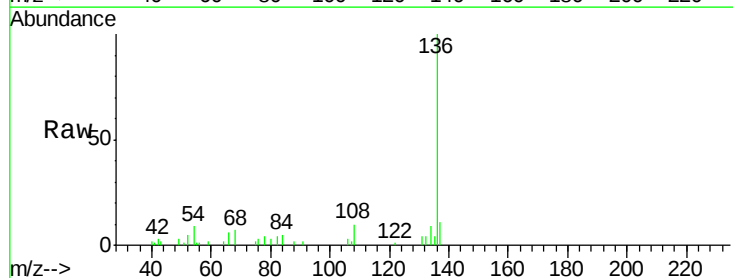
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 9.0 7.0 10.6

68 7.2 5.4 8.2

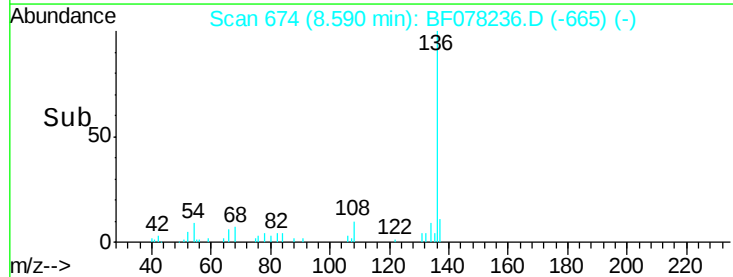
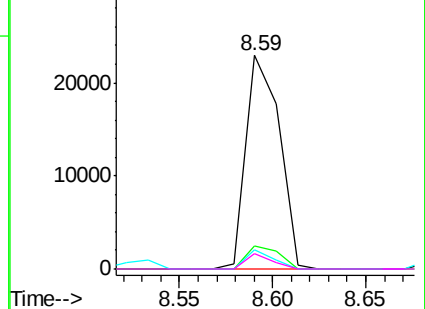


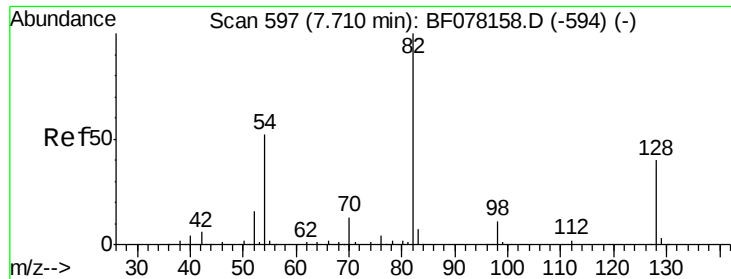
Abundance Ion 136.00 (135.70 to 136.70): E

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

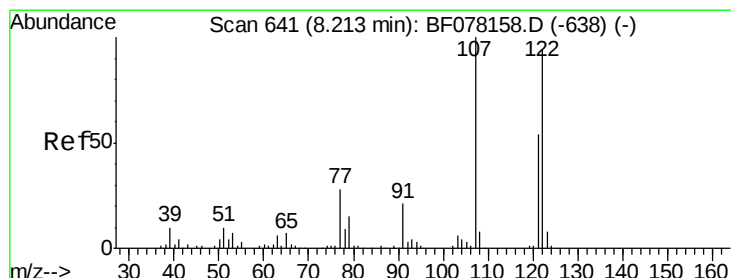
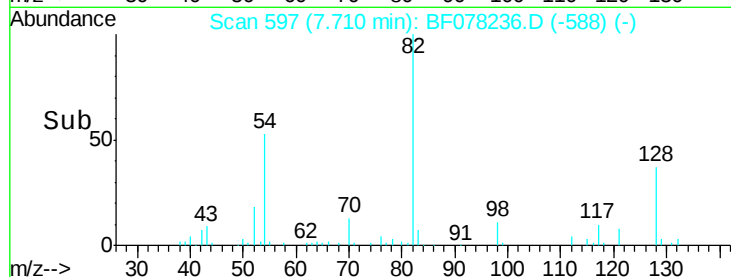
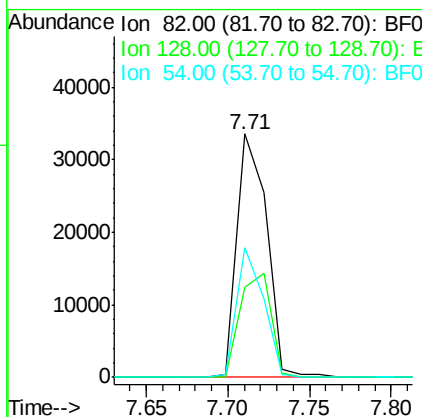
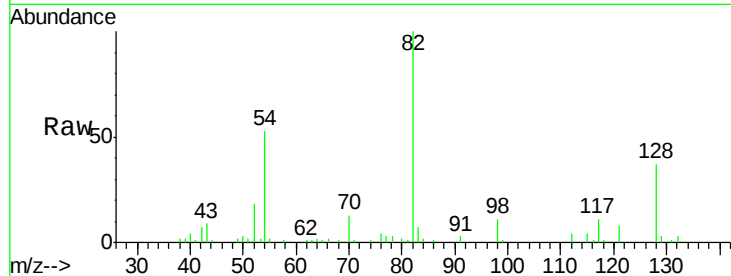




#23
 Nitrobenzene-d5
 Concen: 89.45 ng
 RT: 7.71 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: BF078236.D
 Acq: 3 Apr 2015 10:18

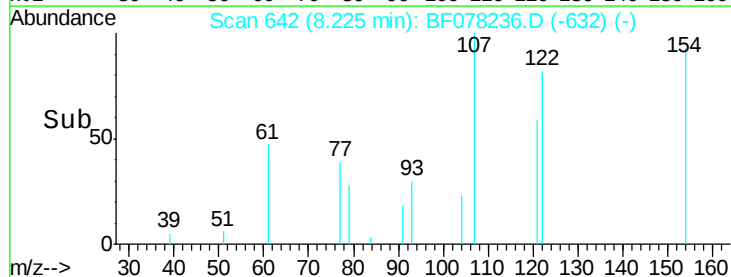
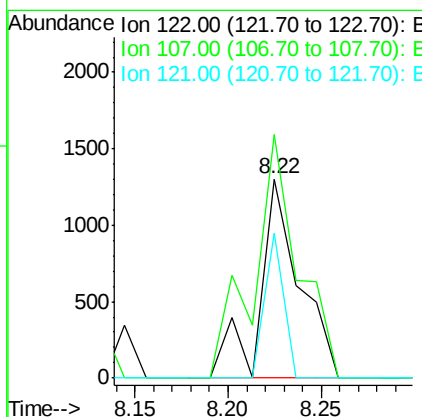
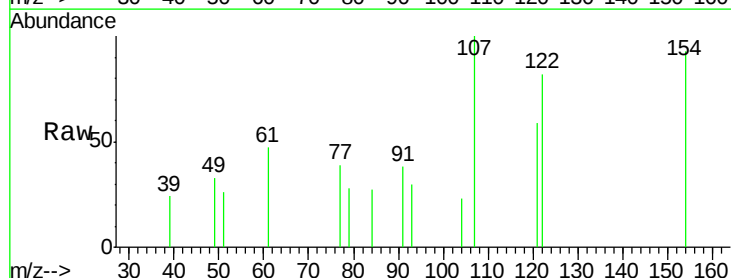
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 DCW-WW-102-33015DL

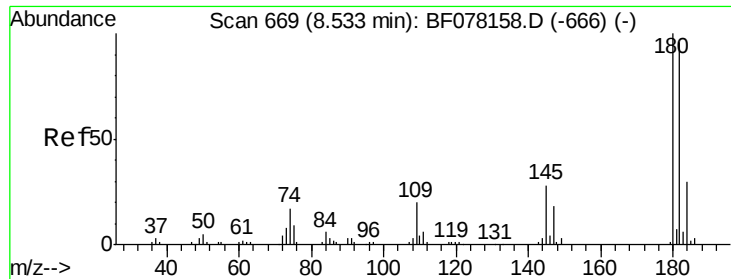
Tot Ion	82	Resp	42107
Ion Ratio	Lower	Upper	
82	100		
128	36.9	31.8	47.8
54	53.2	41.5	62.3



#27
 2,4-Dimethylphenol
 Concen: 4.40 ng
 RT: 8.22 min Scan# 642
 Delta R.T. 0.01 min
 Lab File: BF078236.D
 Acq: 3 Apr 2015 10:18

Tgt Ion	122	Resp	1920
Ion Ratio	Lower	Upper	
122	100		
107	122.3	84.6	127.0
121	72.6	46.0	69.0#

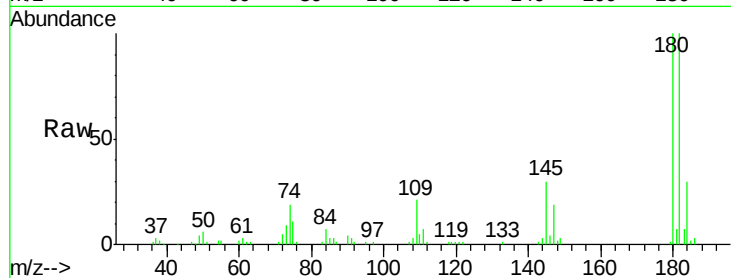




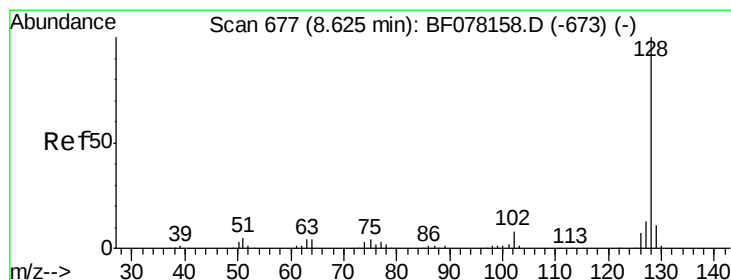
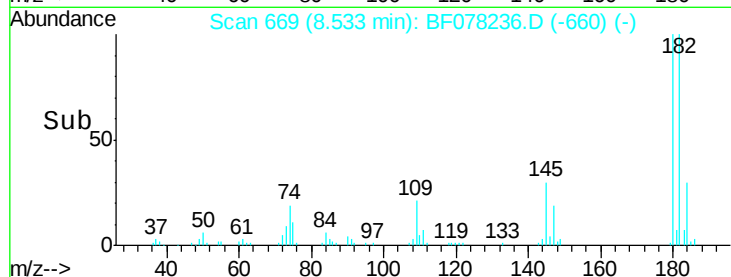
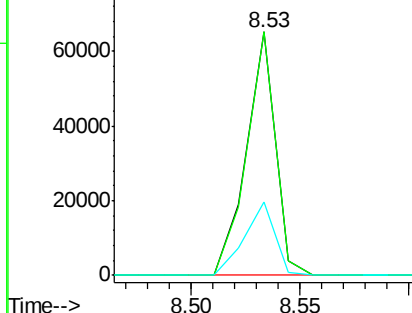
#30
 1,2,4-Trichlorobenzene
 Concen: 132.59 ng
 RT: 8.53 min Scan# 669
 Delta R.T. -0.00 min
 Lab File: BF078236.D
 Acq: 3 Apr 2015 10:18

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-102-33015DL

Tot Ion:180 Resp: 60313
 Ion Ratio Lower Upper
 180 100
 182 100.1 76.9 115.3
 145 30.0 22.5 33.7

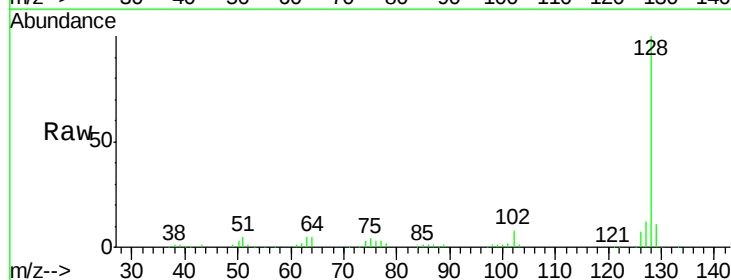


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

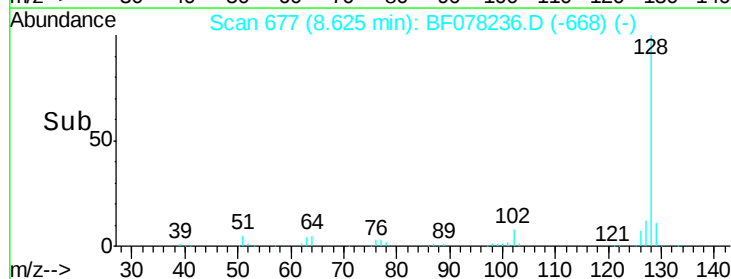
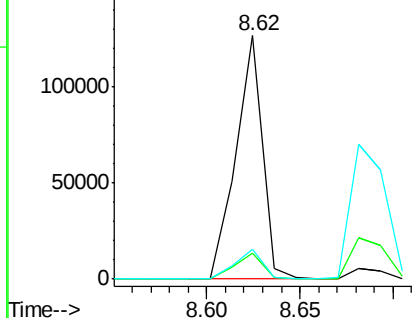


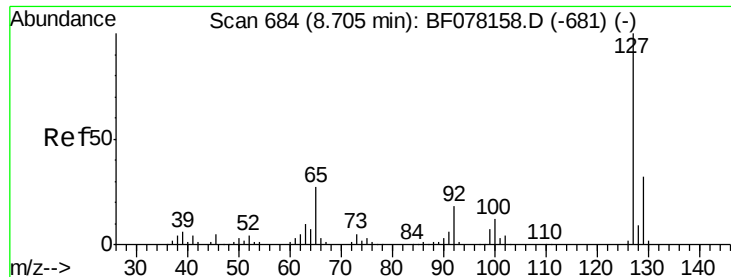
#31
 Naphthalene
 Concen: 85.14 ng
 RT: 8.62 min Scan# 677
 Delta R.T. -0.00 min
 Lab File: BF078236.D
 Acq: 3 Apr 2015 10:18

Tgt Ion:128 Resp: 126450
 Ion Ratio Lower Upper
 128 100
 129 10.6 8.6 12.8
 127 12.5 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E

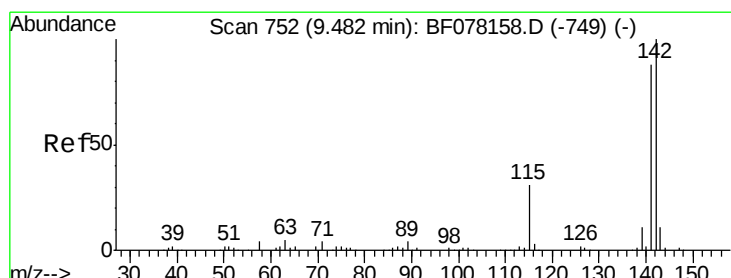
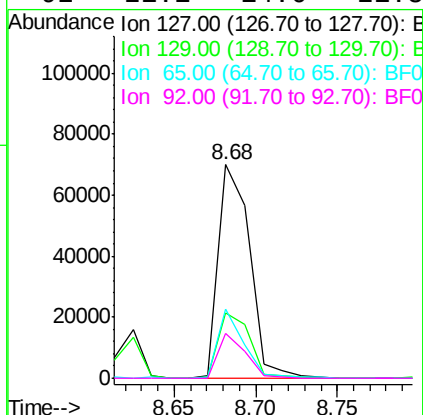
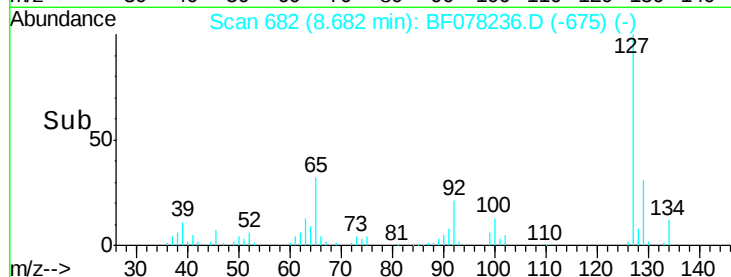
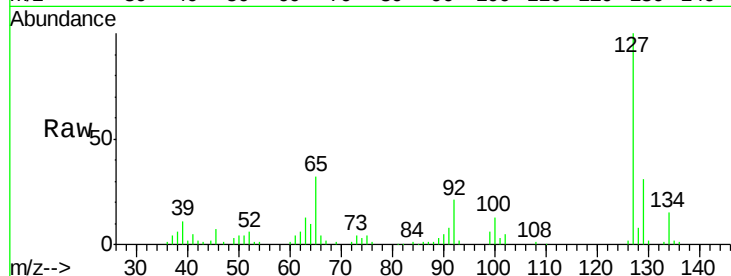




#33
4-Chloroaniline
Concen: 150.99 ng
RT: 8.68 min Scan# 682
Delta R.T. -0.02 min
Lab File: BF078236.D
Acq: 3 Apr 2015 10:18

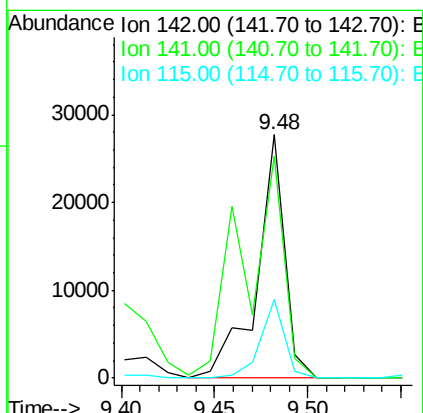
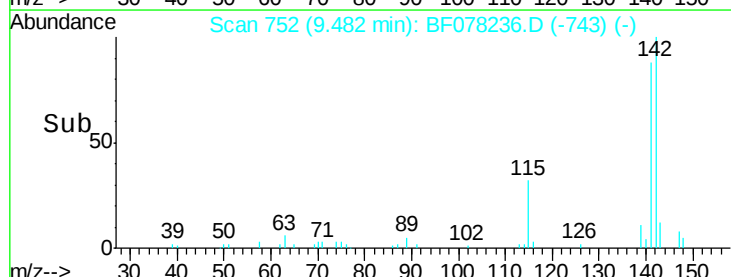
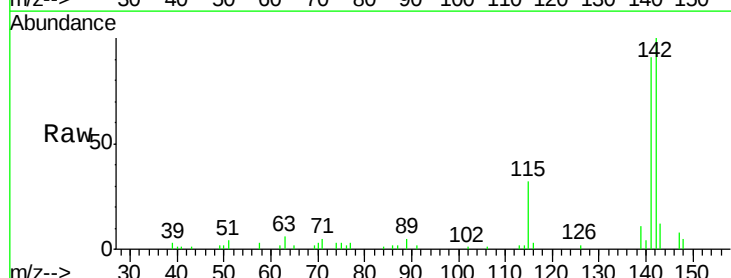
Instrument :
BNA_F
ClientSampleId :
DCW-WW-102-33015DL

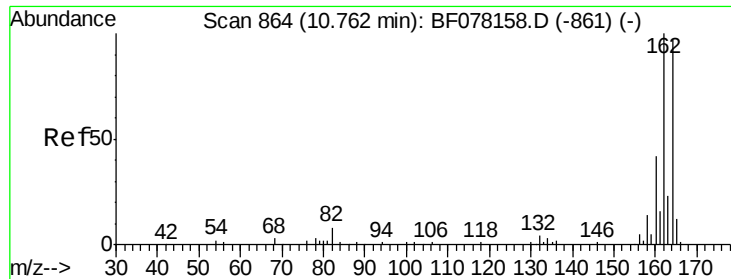
Tot Ion:127	Resp:	93054
Ion Ratio	Lower	Upper
127	100	
129	30.7	25.5 38.3
65	32.3	21.7 32.5
92	21.1	14.6 21.8



#37
2-Methylnaphthalene
Concen: 28.79 ng
RT: 9.48 min Scan# 752
Delta R.T. -0.00 min
Lab File: BF078236.D
Acq: 3 Apr 2015 10:18

Tgt Ion:142	Resp:	29033
Ion Ratio	Lower	Upper
142	100	
141	90.9	70.3 105.5
115	32.1	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: BF078236.D

Acq: 3 Apr 2015 10:18

Instrument :

BNA_F

ClientSampleId :

DCW-WW-102-33015DL

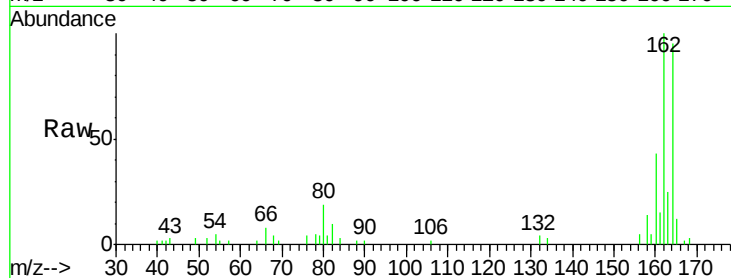
Tot Ion:164 Resp: 14349

Ion Ratio Lower Upper

164 100

162 105.0 82.2 123.2

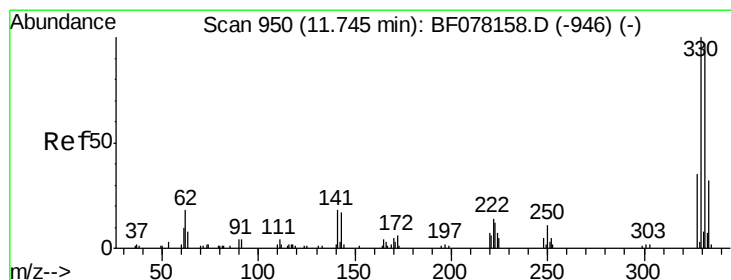
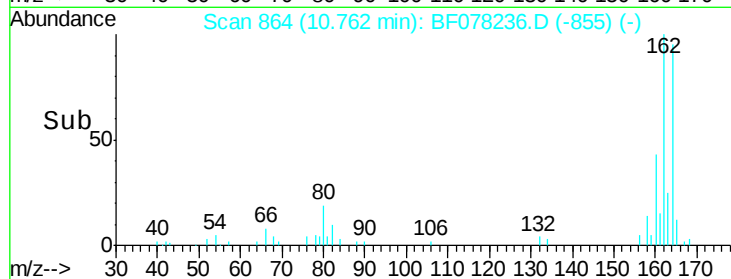
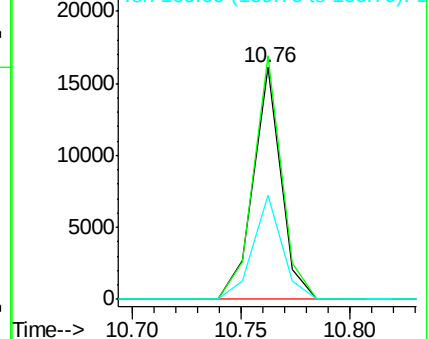
160 44.6 34.7 52.1



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: 139.72 ng

RT: 11.74 min Scan# 950

Delta R.T. -0.00 min

Lab File: BF078236.D

Acq: 3 Apr 2015 10:18

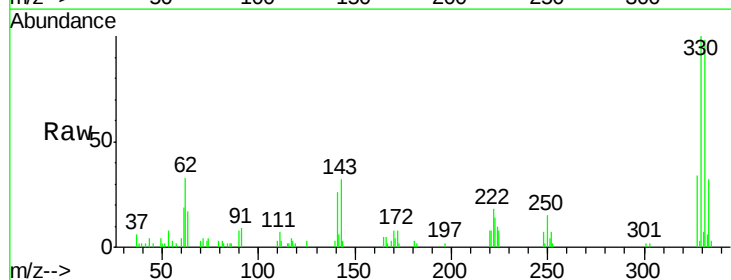
Tgt Ion:330 Resp: 16627

Ion Ratio Lower Upper

330 100

332 98.6 78.6 117.8

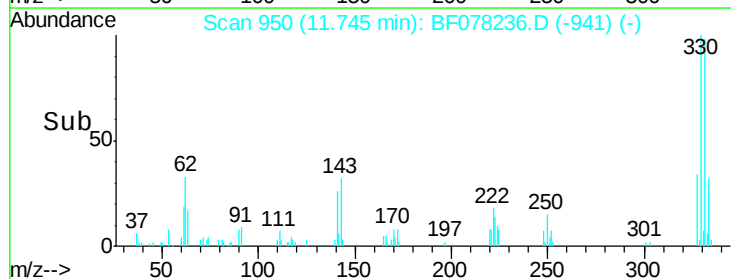
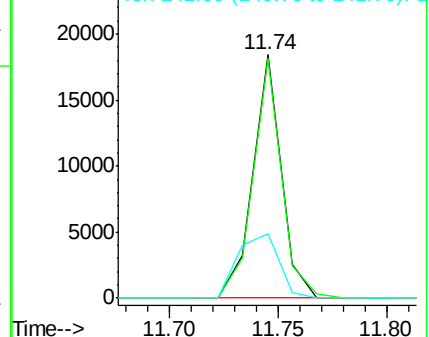
141 38.4 31.2 46.8

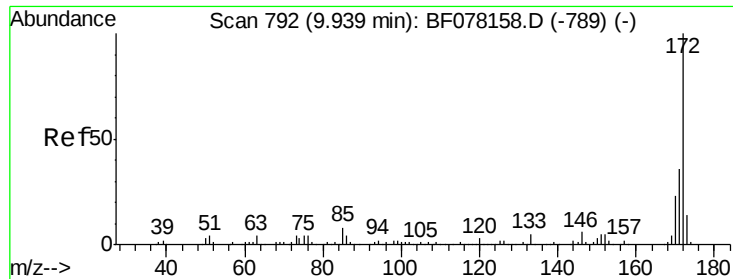


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

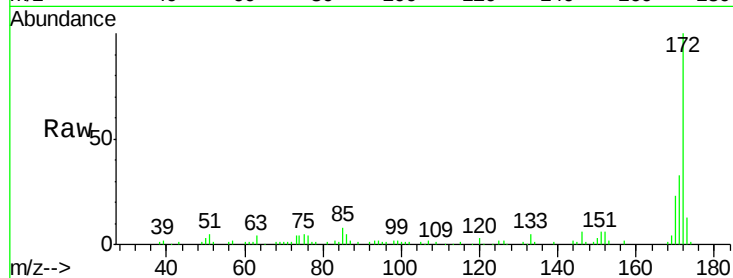




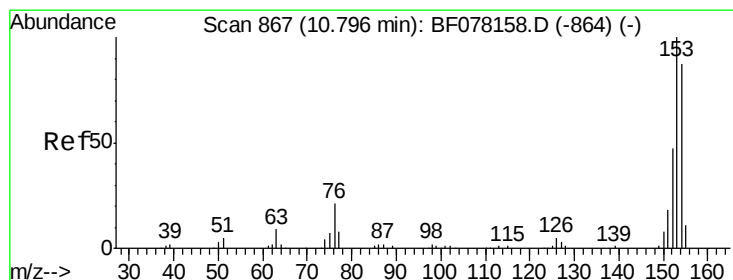
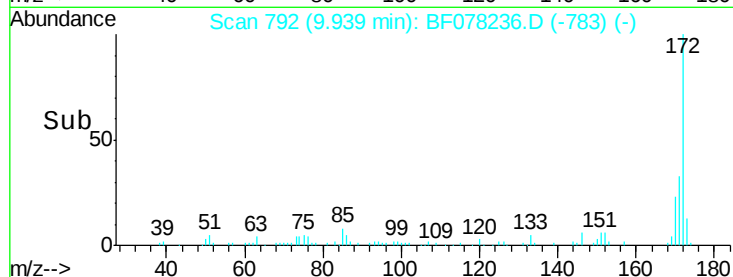
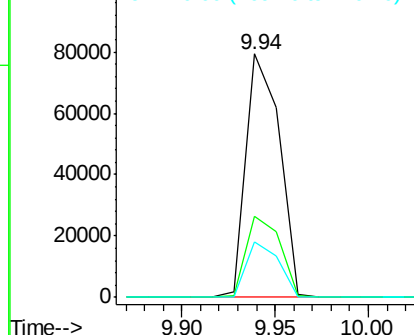
#44
 2-Fluorobiphenyl
 Concen: 98.33 ng
 RT: 9.94 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: BF078236.D
 Acq: 3 Apr 2015 10:18

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-102-33015DL

Tot Ion:172 Resp: 98710
 Ion Ratio Lower Upper
 172 100
 171 33.3 28.6 42.8
 170 23.0 18.5 27.7

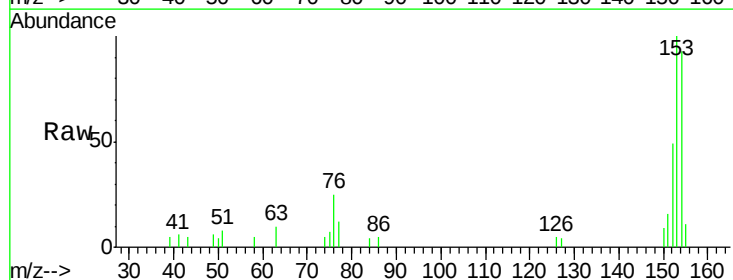


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

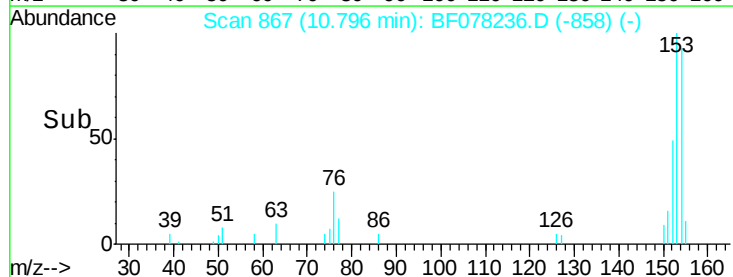
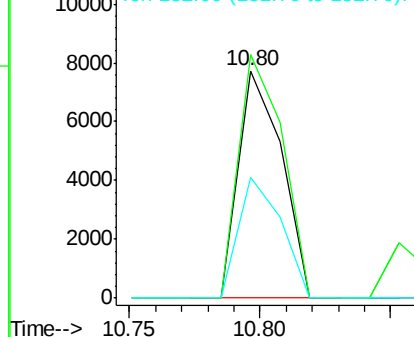


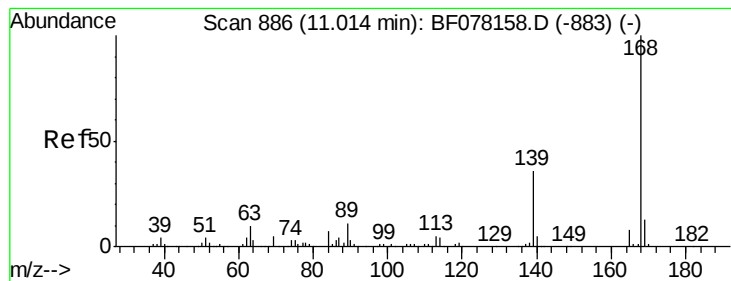
#51
 Acenaphthene
 Concen: 10.64 ng
 RT: 10.80 min Scan# 867
 Delta R.T. -0.00 min
 Lab File: BF078236.D
 Acq: 3 Apr 2015 10:18

Tgt Ion:154 Resp: 8935
 Ion Ratio Lower Upper
 154 100
 153 107.2 91.4 137.2
 152 53.0 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

Dibenzenofuran

Concen: 4.82 ng

RT: 11.01 min Scan# 886

Delta R.T. -0.00 min

Lab File: BF078236.D

Acq: 3 Apr 2015 10:18

Instrument :

BNA_F

ClientSampleId :

DCW-WW-102-33015DL

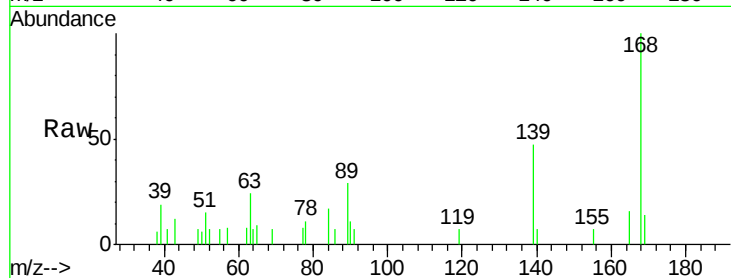
Tot Ion:168 Resp: 6183

Ion Ratio Lower Upper

168 100

139 47.3 31.0 46.4#

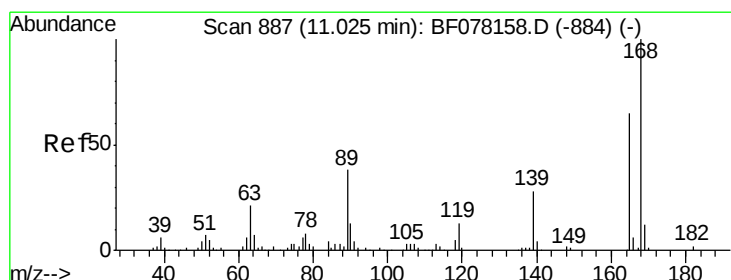
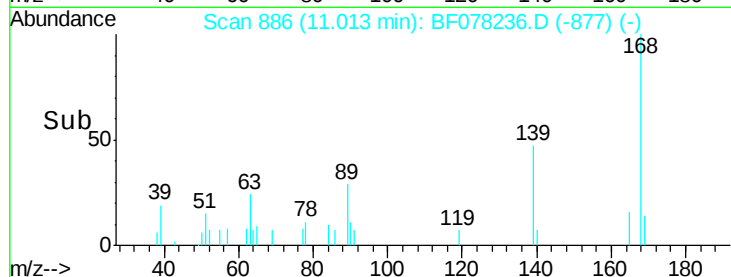
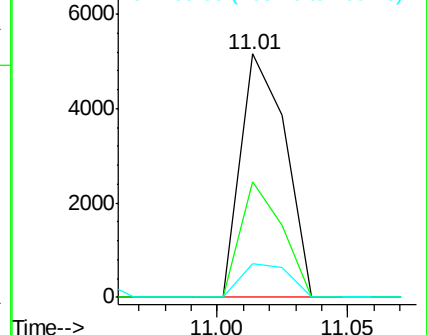
169 14.0 10.7 16.1



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



#56

2,4-Dinitrotoluene

Concen: 31.21 ng

RT: 11.02 min Scan# 887

Delta R.T. -0.00 min

Lab File: BF078236.D

Acq: 3 Apr 2015 10:18

Tgt Ion:165 Resp: 8965

Ion Ratio Lower Upper

165 100

63 45.6 26.5 39.7#

89 77.0 46.4 69.6#

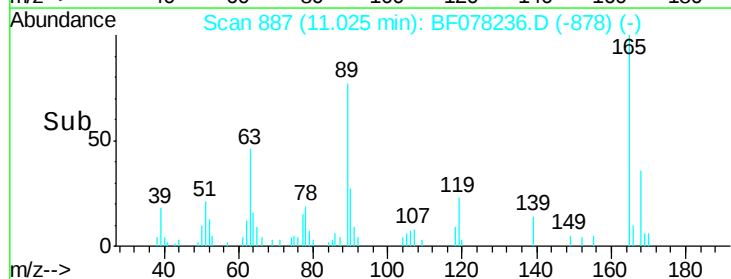
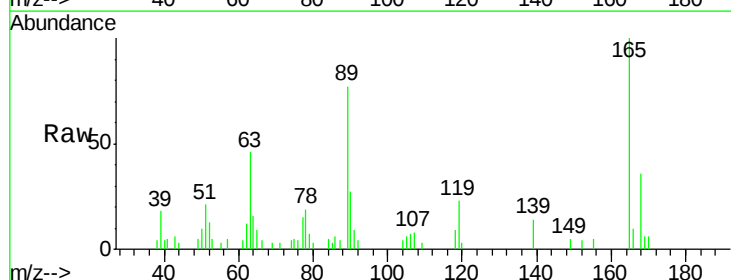
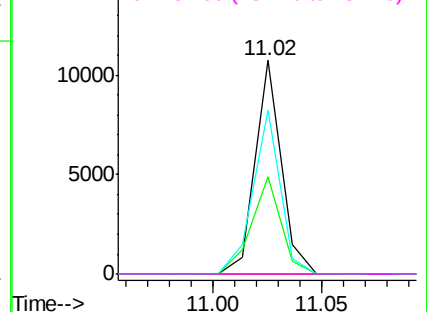
182 0.0 2.0 3.0#

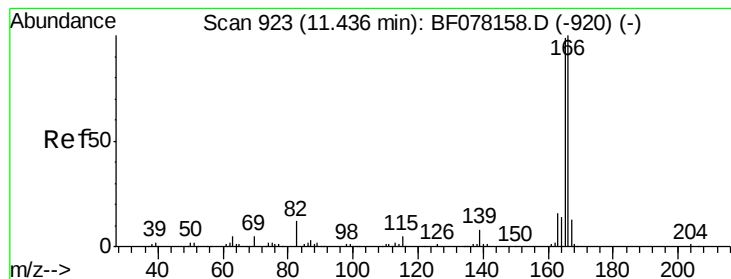
Abundance Ion 165.00 (164.70 to 165.70): E

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: 9.72 ng

RT: 11.44 min Scan# 923

Delta R.T. -0.00 min

Lab File: BF078236.D

Acq: 3 Apr 2015 10:18

Instrument :

BNA_F

ClientSampleId :

DCW-WW-102-33015DL

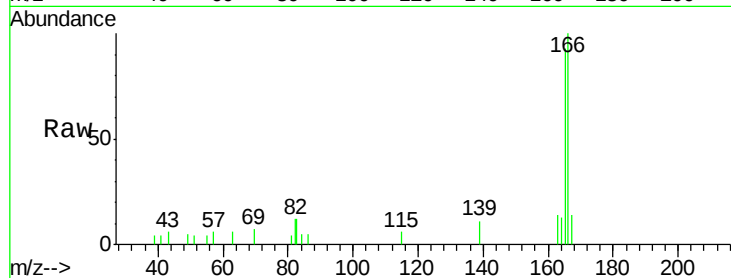
Tot Ion:166 Resp: 10102

Ion Ratio Lower Upper

166 100

165 93.0 78.9 118.3

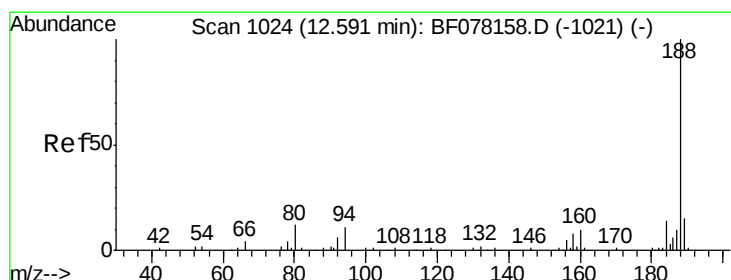
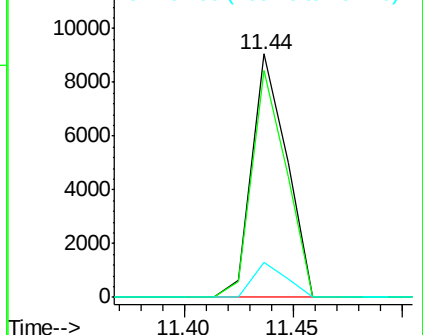
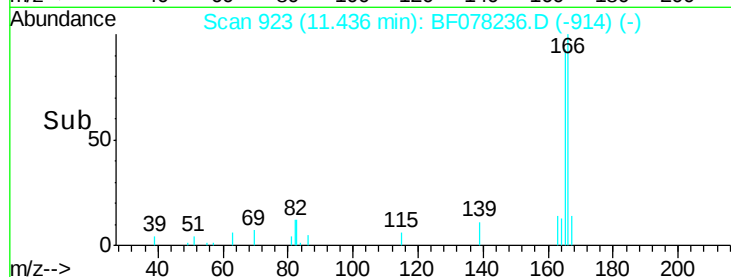
167 14.2 10.7 16.1



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: BF078236.D

Acq: 3 Apr 2015 10:18

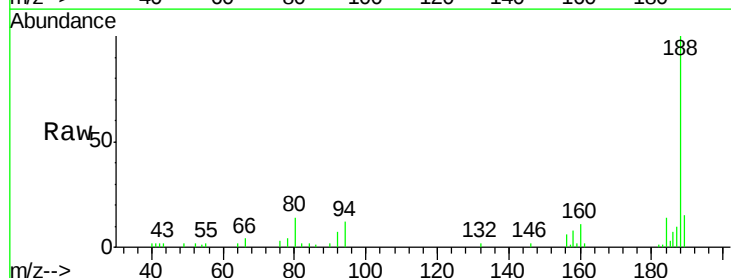
Tgt Ion:188 Resp: 26765

Ion Ratio Lower Upper

188 100

94 12.4 9.0 13.4

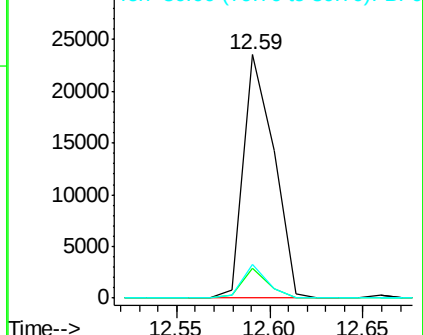
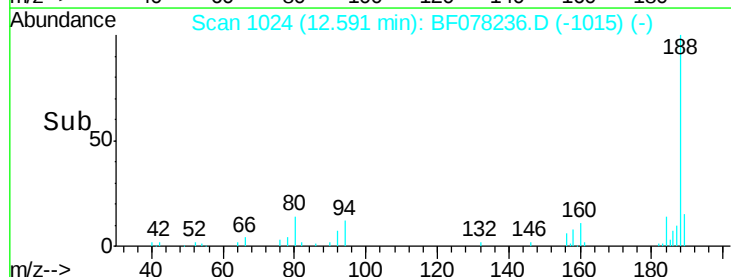
80 13.8 9.5 14.3

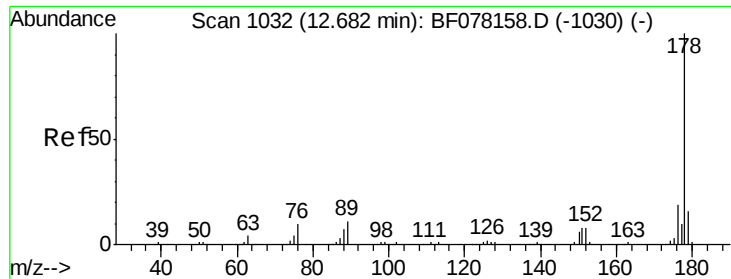


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

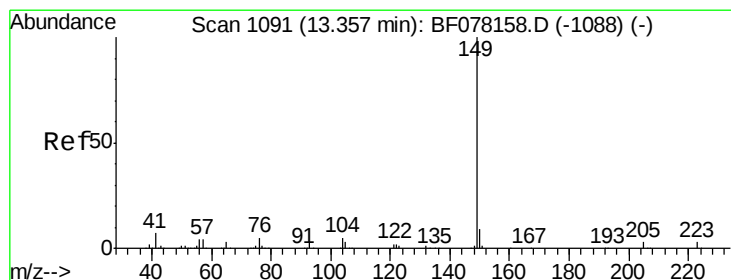
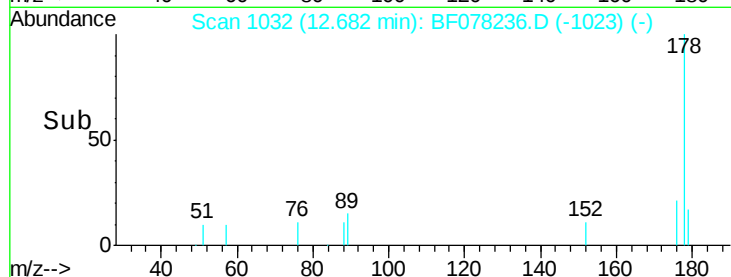
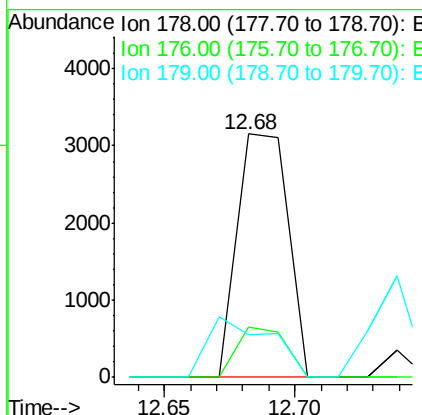
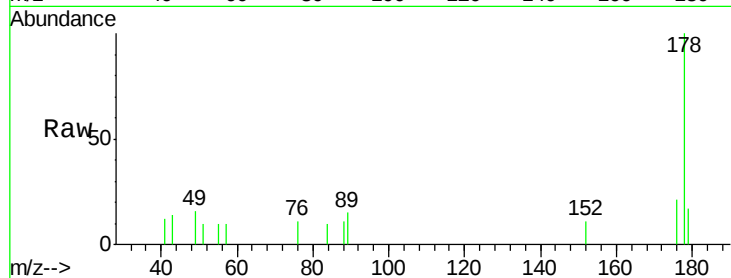




#71
 Anthracene
 Concen: 2.82 ng
 RT: 12.68 min Scan# 1032
 Delta R.T. -0.00 min
 Lab File: BF078236.D
 Acq: 3 Apr 2015 10:18

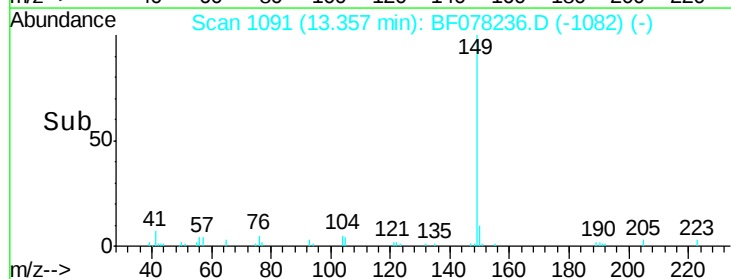
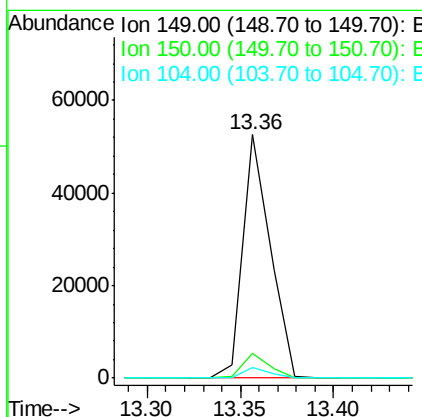
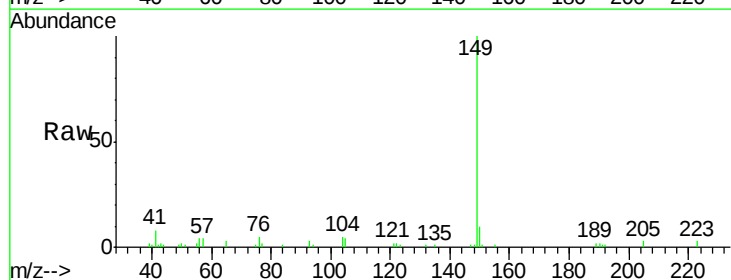
Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-102-33015DL

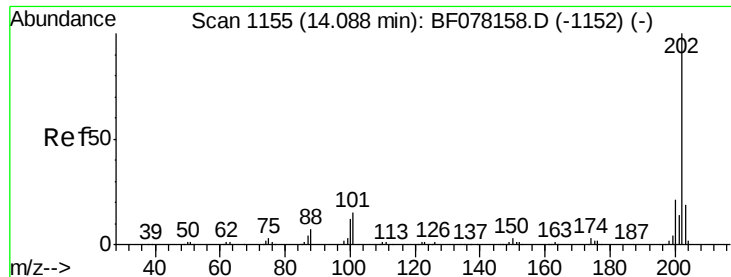
Tot Ion:178 Resp: 4297
 Ion Ratio Lower Upper
 178 100
 176 20.9 14.8 22.2
 179 17.5 12.4 18.6



#73
 Di-n-butylphthalate
 Concen: 33.56 ng
 RT: 13.36 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: BF078236.D
 Acq: 3 Apr 2015 10:18

Tgt Ion:149 Resp: 54362
 Ion Ratio Lower Upper
 149 100
 150 10.0 7.1 10.7
 104 4.6 3.8 5.6

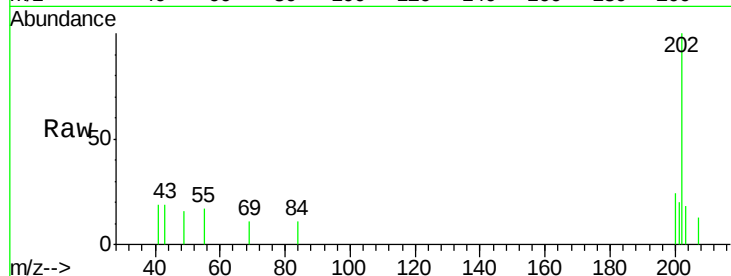




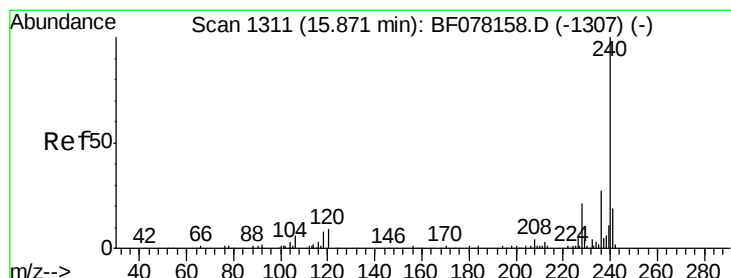
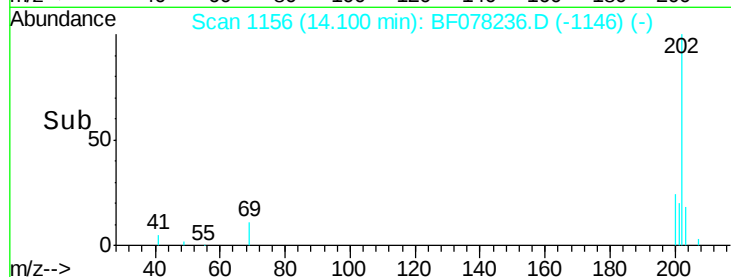
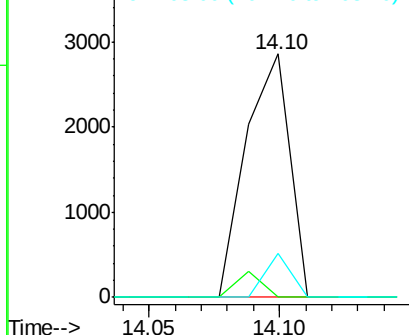
#74
Fluoranthene
Concen: 2.06 ng
RT: 14.10 min Scan# 1156
Delta R.T. 0.01 min
Lab File: BF078236.D
Acq: 3 Apr 2015 10:18

Instrument :
BNA_F
ClientSampleId :
DCW-WW-102-33015DL

Tot Ion:202 Resp: 3358
Ion Ratio Lower Upper
202 100
101 0.0 0.0 35.2
203 18.2 0.0 38.5

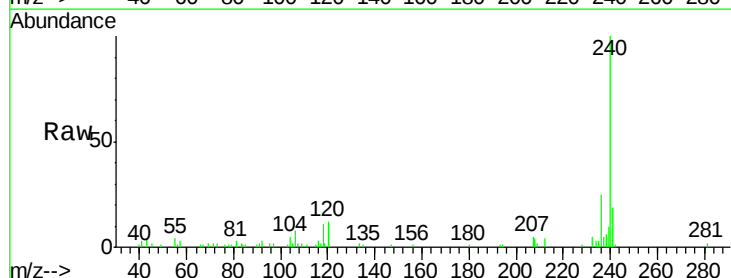


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

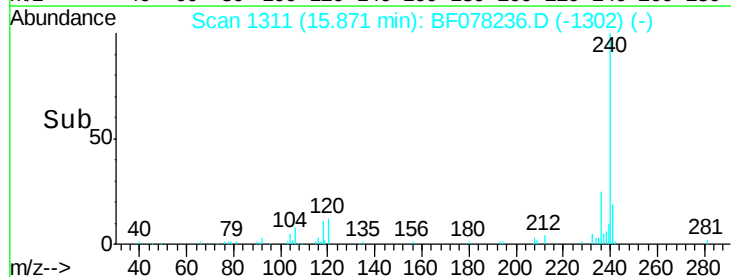
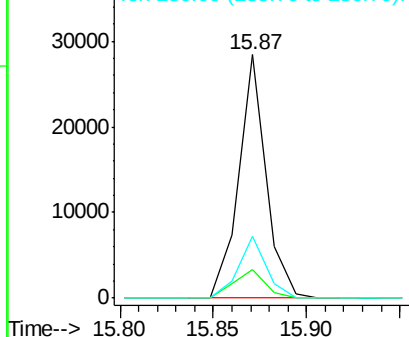


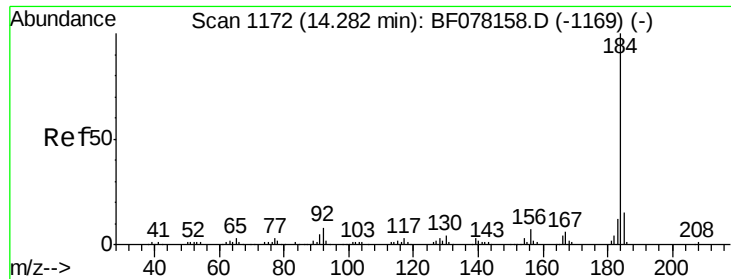
#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.87 min Scan# 1311
Delta R.T. -0.00 min
Lab File: BF078236.D
Acq: 3 Apr 2015 10:18

Tgt Ion:240 Resp: 28991
Ion Ratio Lower Upper
240 100
120 11.7 7.1 10.7#
236 25.3 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

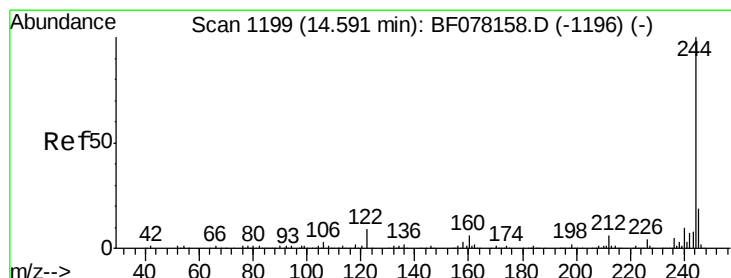
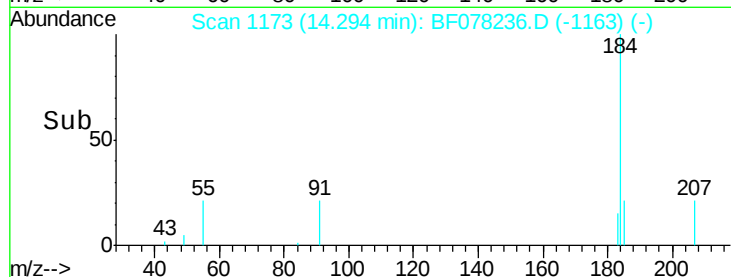
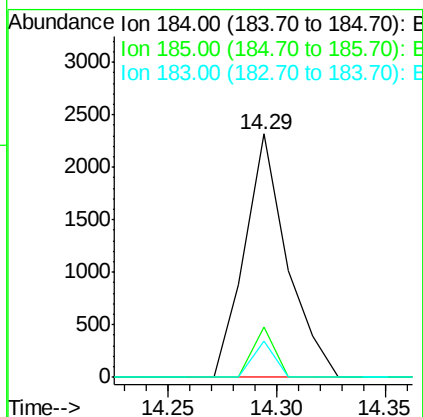
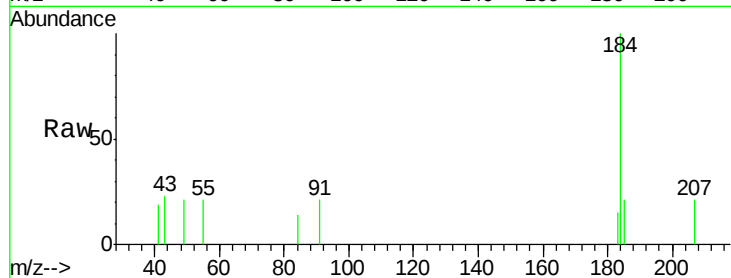




#76
Benzidine
Concen: 2.84 ng
RT: 14.29 min Scan# 1173
Delta R.T. 0.01 min
Lab File: BF078236.D
Acq: 3 Apr 2015 10:18

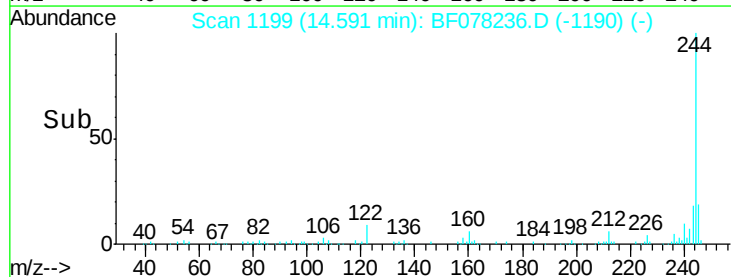
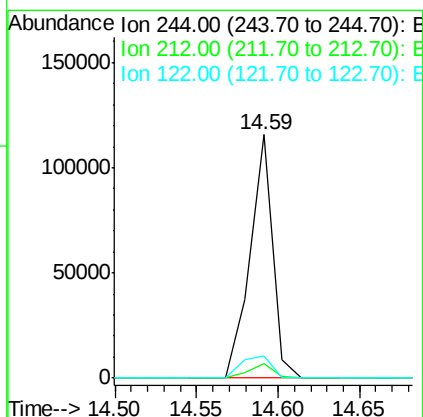
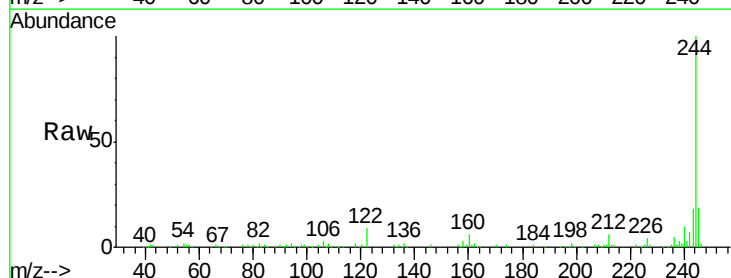
Instrument :
BNA_F
ClientSampleId :
DCW-WW-102-33015DL

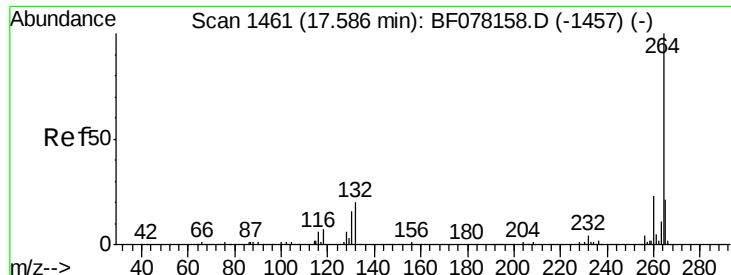
Tot Ion:184 Resp: 3168
Ion Ratio Lower Upper
184 100
185 20.7 12.2 18.2#
183 14.8 9.5 14.3#



#78
Terphenyl-d14
Concen: 87.11 ng
RT: 14.59 min Scan# 1199
Delta R.T. -0.00 min
Lab File: BF078236.D
Acq: 3 Apr 2015 10:18

Tgt Ion:244 Resp: 111759
Ion Ratio Lower Upper
244 100
212 6.0 5.0 7.4
122 9.1 7.1 10.7

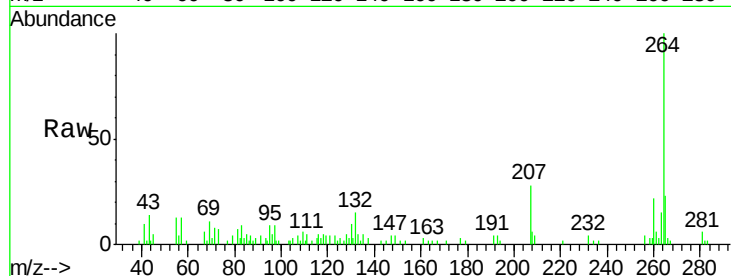




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 17.62 min Scan# 1464
 Delta R.T. 0.03 min
 Lab File: BF078236.D
 Acq: 3 Apr 2015 10:18

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-102-33015DL

Tot Ion: 264 Resp: 29240
 Ion Ratio Lower Upper
 264 100
 260 21.9 18.6 27.8
 265 22.8 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

