

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040115\
 Data File : BF078181.D
 Acq On : 2 Apr 2015 6:04
 Operator : TP/IZ
 Sample : G1719-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: Apr 02 11:51:01 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 05:28:29 2015
 Response via : Initial Calibration

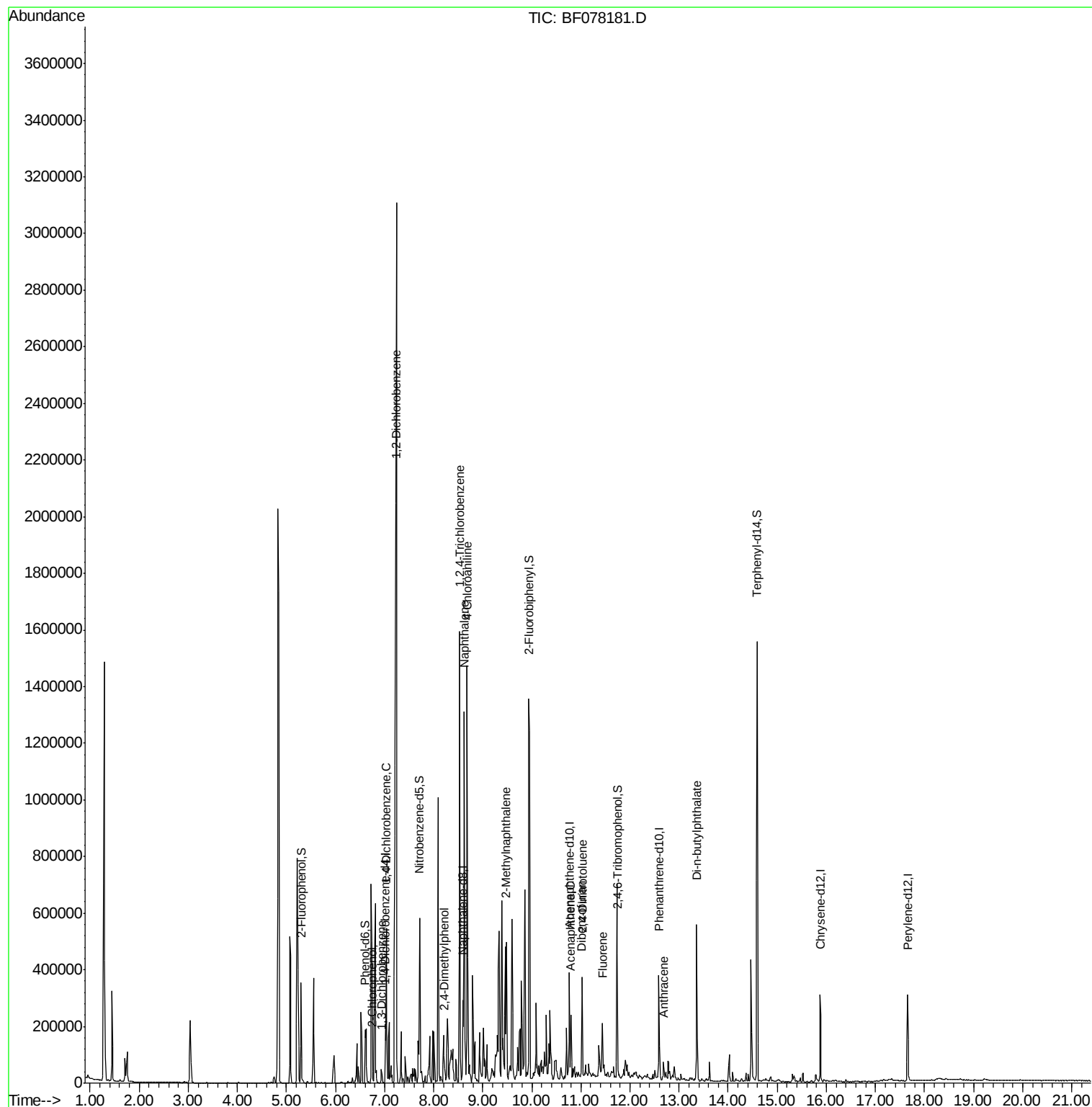
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	37096	20.00	ng	0.00
21) Naphthalene-d8	8.59	136	147618	20.00	ng	0.00
38) Acenaphthene-d10	10.76	164	77262	20.00	ng	0.00
63) Phenanthrene-d10	12.59	188	143985	20.00	ng	0.00
75) Chrysene-d12	15.87	240	151176	20.00	ng	0.00
86) Perylene-d12	17.65	264	141632	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	128202	56.98	ng	0.00
7) Phenol-d6	6.60	99	97747	34.67	ng	0.00
23) Nitrobenzene-d5	7.71	82	225565	92.62	ng	-0.01
41) 2,4,6-Tribromophenol	11.75	330	96795	151.06	ng	0.00
44) 2-Fluorobiphenyl	9.94	172	494476	91.48	ng	0.00
78) Terphenyl-d14	14.59	244	579391	86.60	ng	0.00
Target Compounds						Qvalue
8) 2-Chlorophenol	6.75	128	6004	2.26	ng	92
12) 1,3-Dichlorobenzene	6.94	146	13879	4.75	ng	# 88
13) 1,4-Dichlorobenzene	7.04	146	145807	49.57	ng	99
14) 1,2-Dichlorobenzene	7.23	146	384199	139.30	ng	94
27) 2,4-Dimethylphenol	8.21	122	10885	4.82	ng	90
30) 1,2,4-Trichlorobenzene	8.53	180	311887	132.53	ng	98
31) Naphthalene	8.62	128	648223	84.37	ng	99
33) 4-Chloroaniline	8.68	127	432194	135.56	ng	96
37) 2-Methylnaphthalene	9.48	142	152177	29.17	ng	99
51) Acenaphthene	10.80	154	47498	10.51	ng	99
54) Dibenzofuran	11.01	168	34844	5.05	ng	97
56) 2,4-Dinitrotoluene	11.02	165	74189	47.97	ng	95
57) Fluorene	11.44	166	55151	9.85	ng	98
71) Anthracene	12.68	178	21650	2.64	ng	97
73) Di-n-butylphthalate	13.36	149	297434	34.14	ng	99

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

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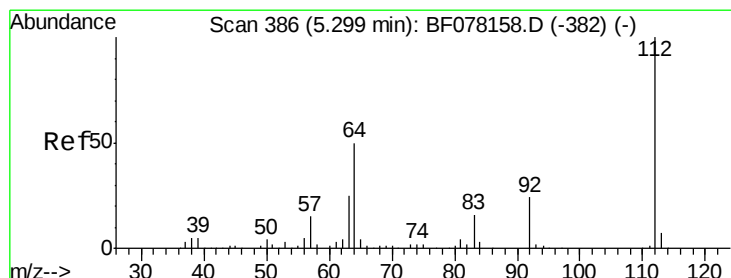
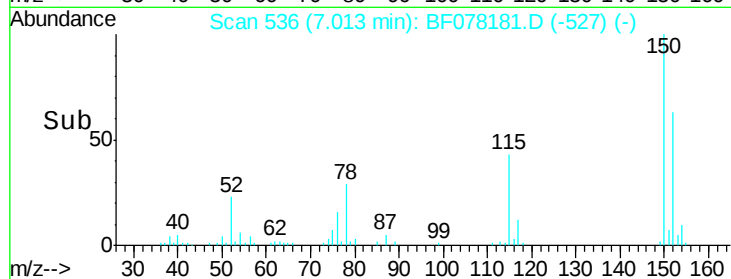
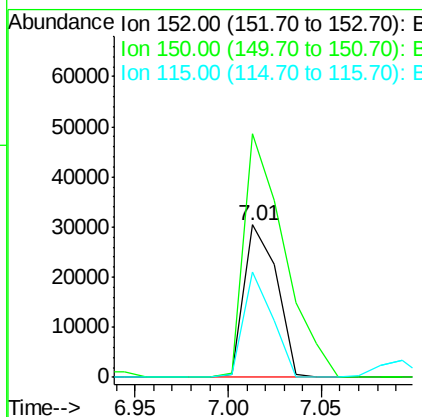
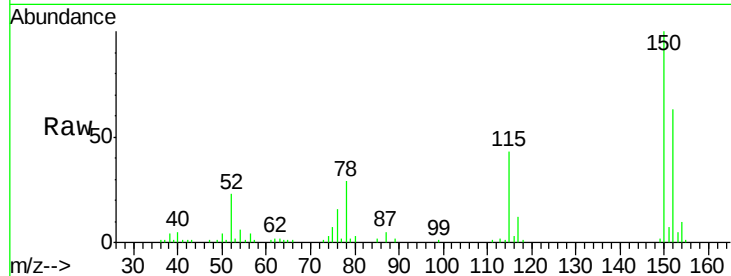




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.01 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: BF078181.D
 Acq: 2 Apr 2015 6:04

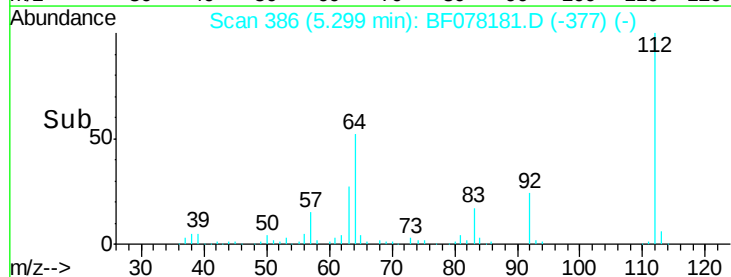
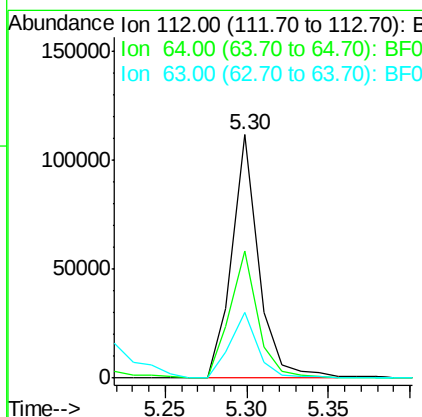
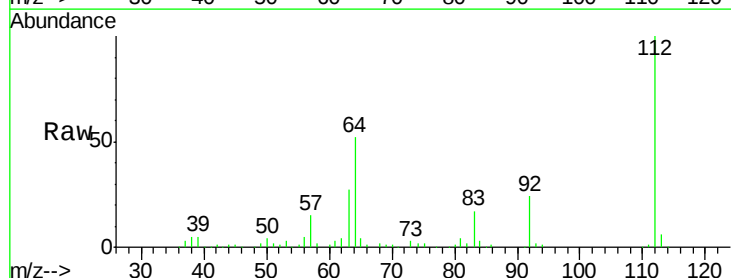
Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-102-33015

Tot Ion:152 Resp: 37096
 Ion Ratio Lower Upper
 152 100
 150 160.0 125.9 188.9
 115 69.1 52.7 79.1



#5
 2-Fluorophenol
 Concen: 56.98 ng
 RT: 5.30 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: BF078181.D
 Acq: 2 Apr 2015 6:04

Tgt Ion:112 Resp: 128202
 Ion Ratio Lower Upper
 112 100
 64 52.3 39.9 59.9
 63 26.9 20.2 30.4





#7

Phenol-d6

Concen: 34.67 ng

RT: 6.60 min Scan# 500

Delta R.T. 0.00 min

Lab File: BF078181.D

Acq: 2 Apr 2015 6:04

Instrument :

BNA_F

ClientSampleId :

DCW-WW-102-33015

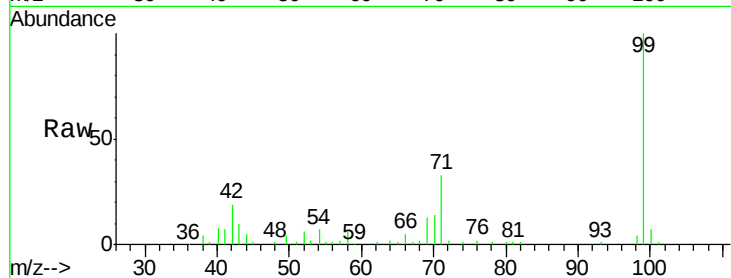
Tot Ion: 99 Resp: 97747

Ion Ratio Lower Upper

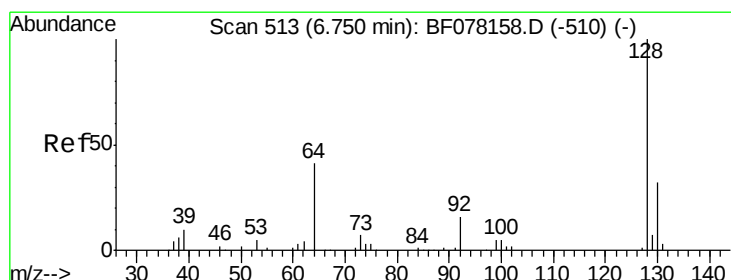
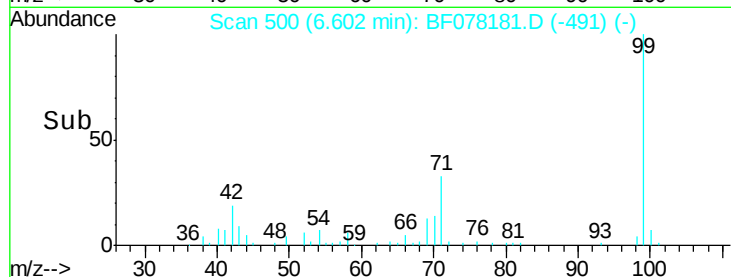
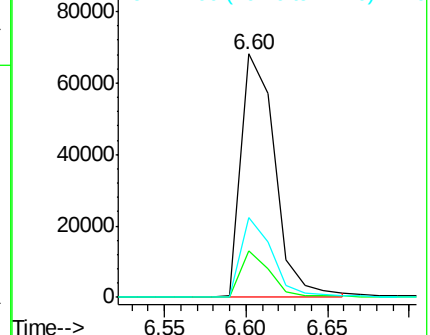
99 100

42 18.9 14.8 22.2

71 32.9 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: 2.26 ng

RT: 6.75 min Scan# 513

Delta R.T. 0.00 min

Lab File: BF078181.D

Acq: 2 Apr 2015 6:04

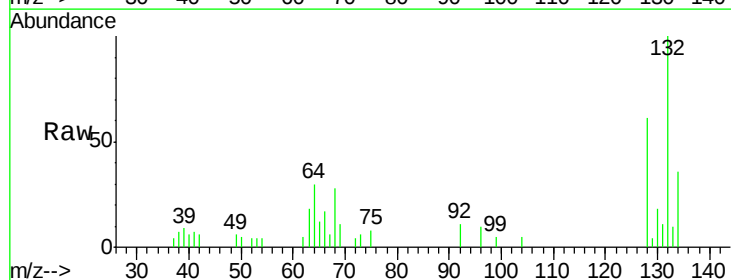
Tgt Ion: 128 Resp: 6004

Ion Ratio Lower Upper

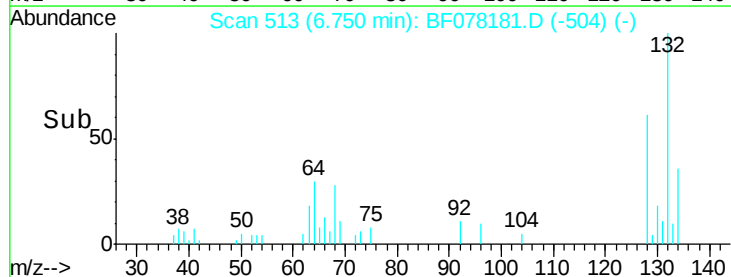
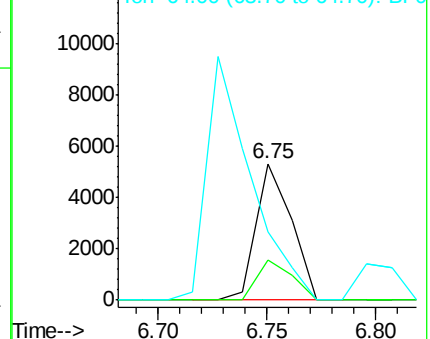
128 100

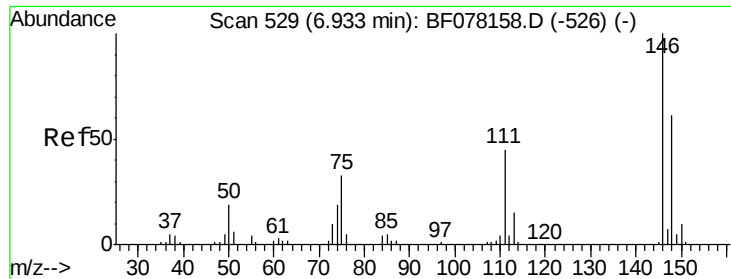
130 28.9 12.3 52.3

64 49.6 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

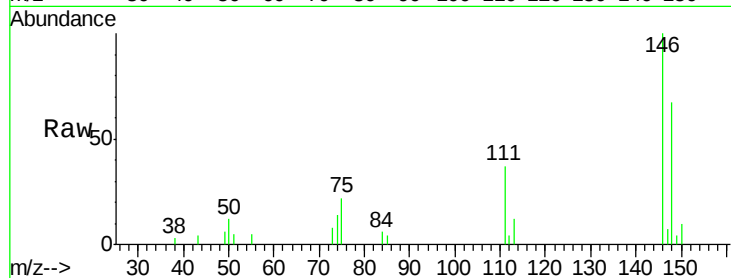




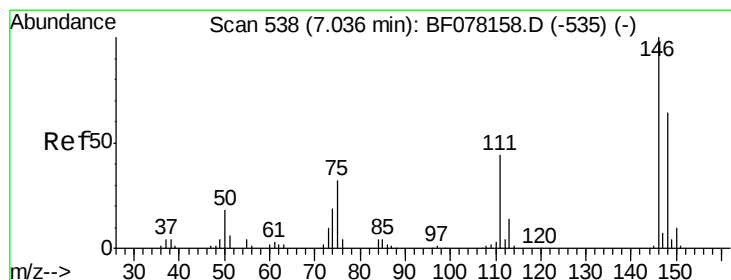
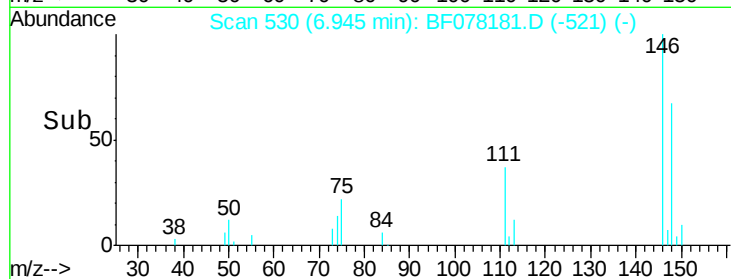
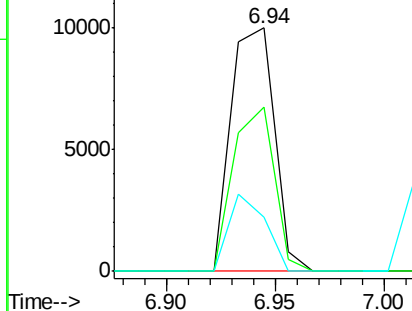
#12
 1,3-Dichlorobenzene
 Concen: 4.75 ng
 RT: 6.94 min Scan# 530
 Delta R.T. 0.00 min
 Lab File: BF078181.D
 Acq: 2 Apr 2015 6:04

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

Tot Ion:146 Resp: 13879
 Ion Ratio Lower Upper
 146 100
 148 67.3 49.1 73.7
 75 22.5 26.6 40.0#

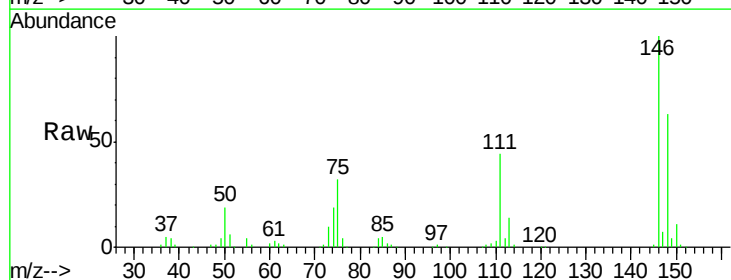


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): BF0

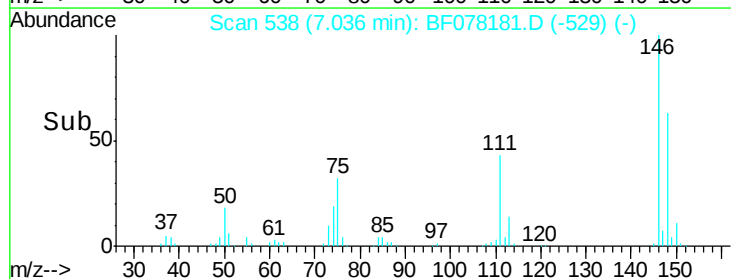
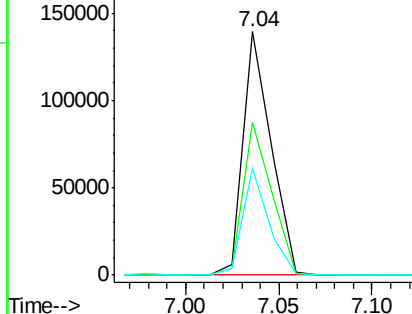


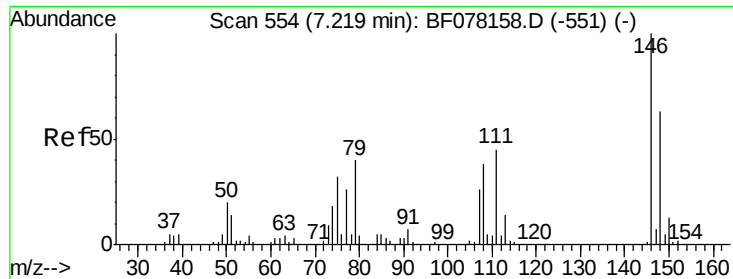
#13
 1,4-Dichlorobenzene
 Concen: 49.57 ng
 RT: 7.04 min Scan# 538
 Delta R.T. 0.00 min
 Lab File: BF078181.D
 Acq: 2 Apr 2015 6:04

Tgt Ion:146 Resp: 145807
 Ion Ratio Lower Upper
 146 100
 148 62.7 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

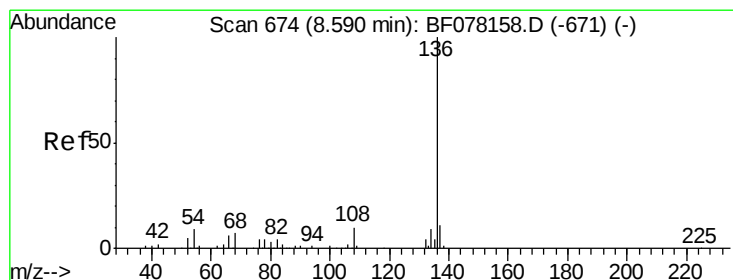
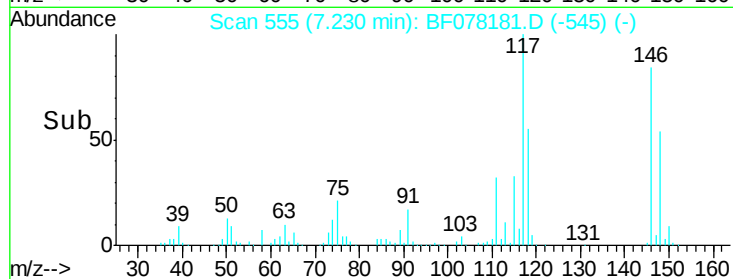
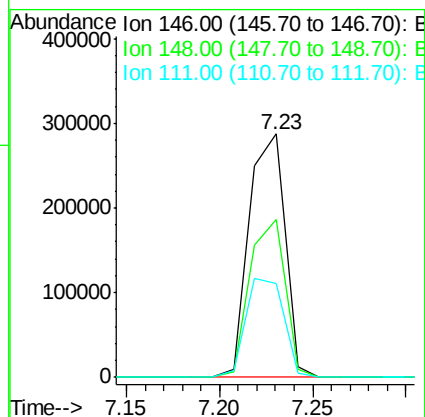
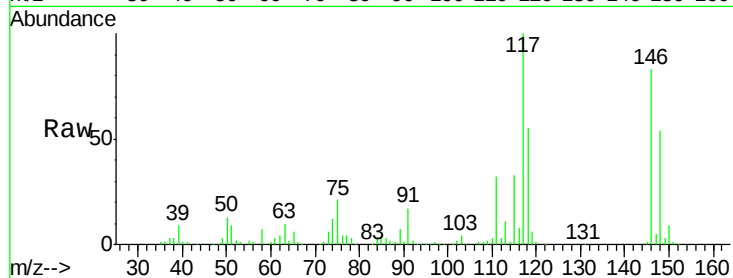




#14
1,2-Dichlorobenzene
Concen: 139.30 ng
RT: 7.23 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF078181.D
Acq: 2 Apr 2015 6:04

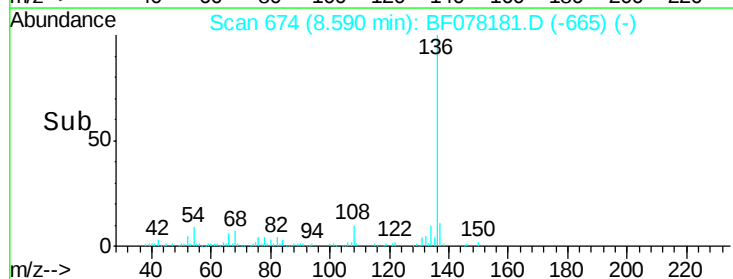
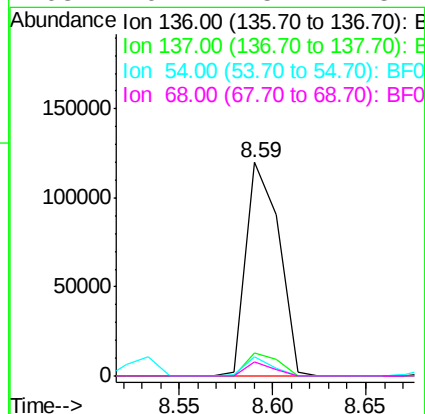
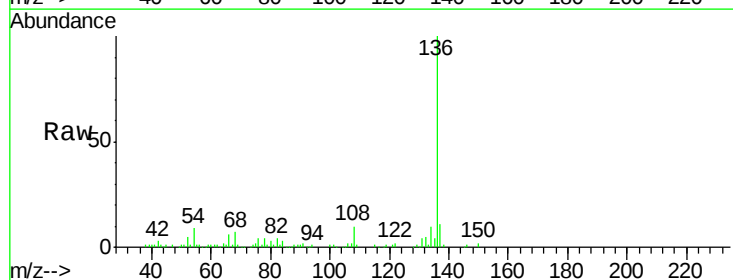
Instrument :
BNA_F
ClientSampleId :
DCW-WW-102-33015

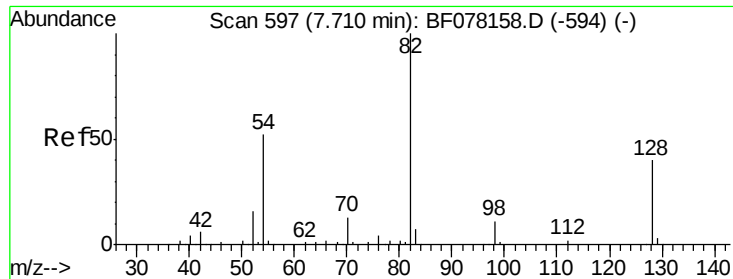
Tot Ion:146 Resp: 384199
Ion Ratio Lower Upper
146 100
148 65.0 50.2 75.4
111 38.4 36.1 54.1



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.59 min Scan# 674
Delta R.T. 0.00 min
Lab File: BF078181.D
Acq: 2 Apr 2015 6:04

Tgt Ion:136 Resp: 147618
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 9.1 7.0 10.6
68 6.7 5.4 8.2

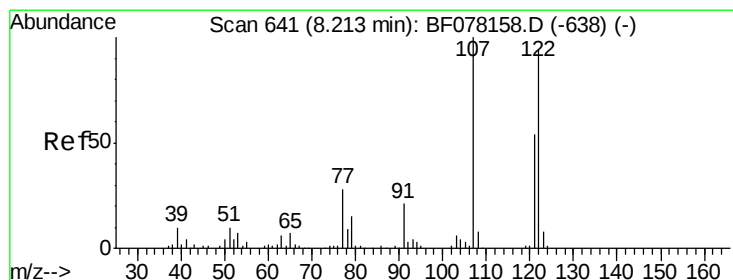
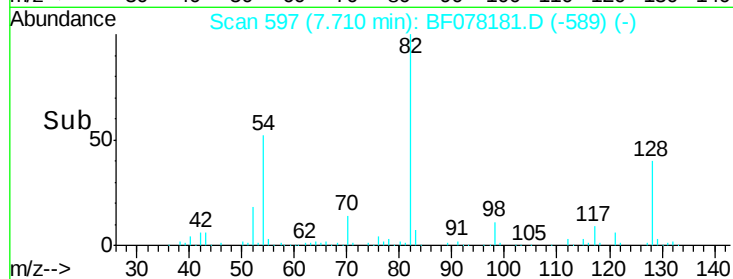
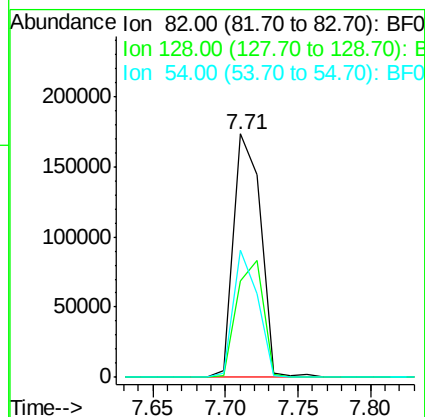
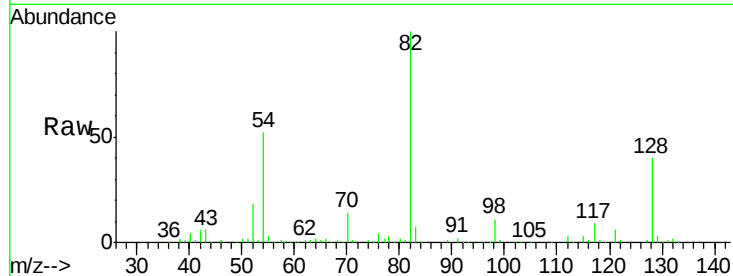




#23
 Nitrobenzene-d5
 Concen: 92.62 ng
 RT: 7.71 min Scan# 597
 Delta R.T. -0.01 min
 Lab File: BF078181.D
 Acq: 2 Apr 2015 6:04

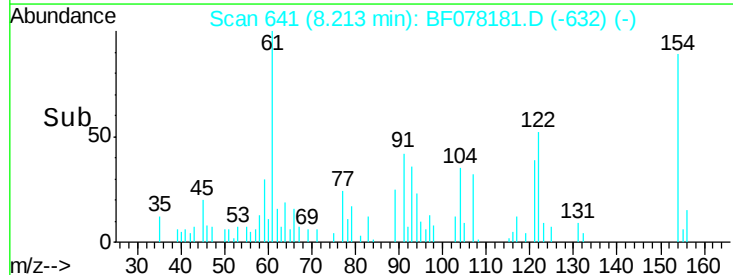
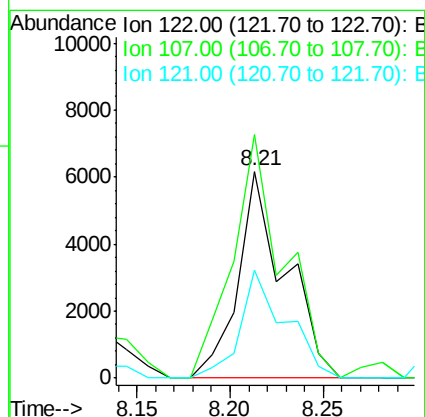
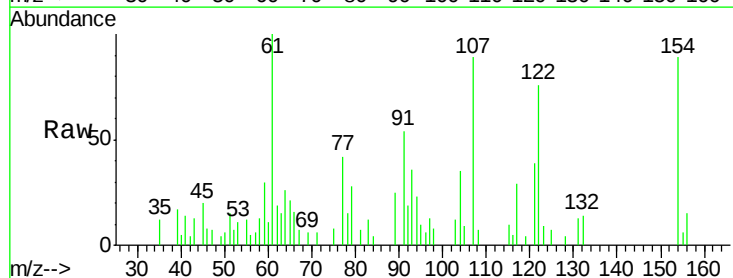
Instrument :
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 DCW-WW-102-33015

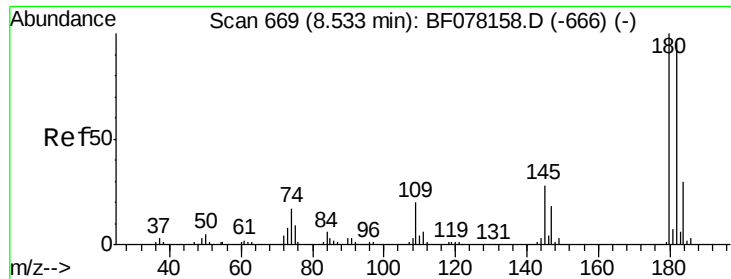
Tot Ion	82	Resp	225565
Ion Ratio	Lower	Upper	
82	100		
128	39.7	31.8	47.8
54	52.0	41.5	62.3



#27
 2,4-Dimethylphenol
 Concen: 4.82 ng
 RT: 8.21 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: BF078181.D
 Acq: 2 Apr 2015 6:04

Tgt Ion	122	Resp	10885
Ion Ratio	Lower	Upper	
122	100		
107	117.6	84.6	127.0
121	52.0	46.0	69.0

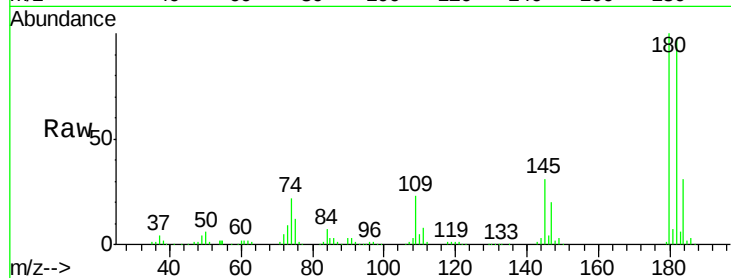




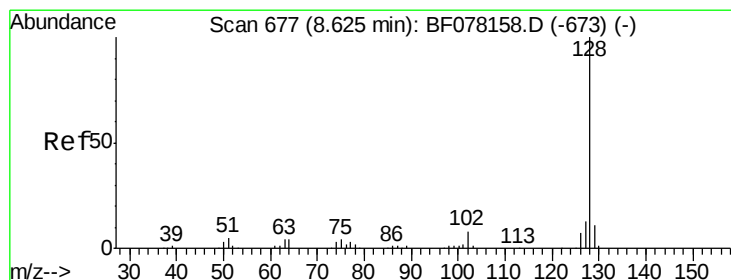
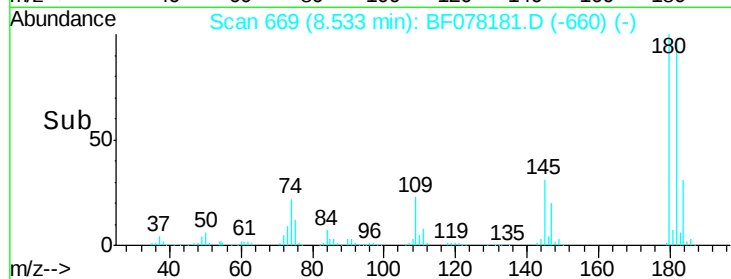
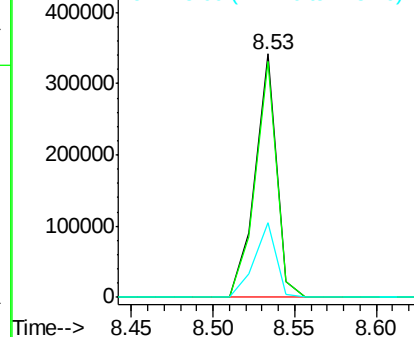
#30
 1,2,4-Trichlorobenzene
 Concen: 132.53 ng
 RT: 8.53 min Scan# 669
 Delta R.T. 0.00 min
 Lab File: BF078181.D
 Acq: 2 Apr 2015 6:04

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

Tot Ion:180 Resp: 311887
 Ion Ratio Lower Upper
 180 100
 182 96.8 76.9 115.3
 145 30.8 22.5 33.7

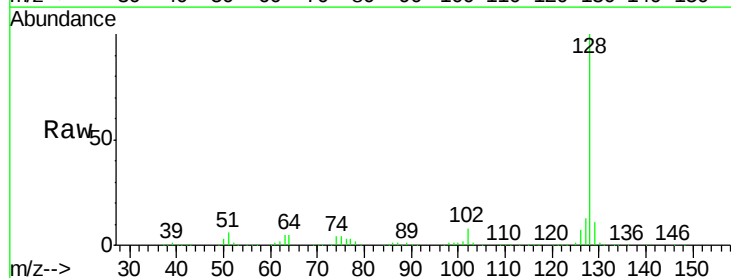


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

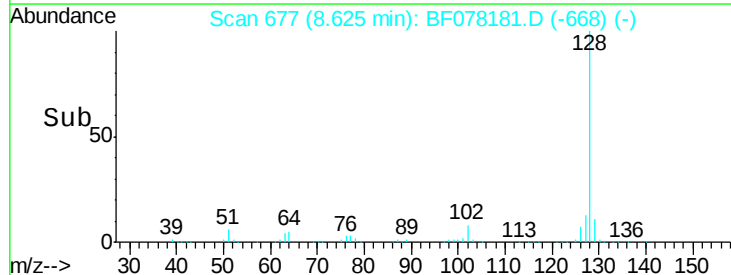
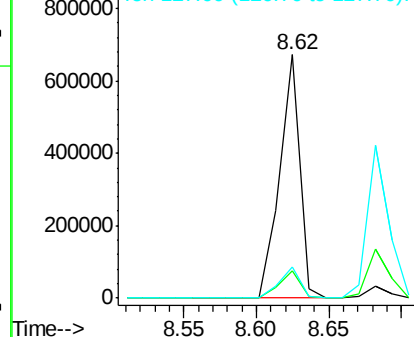


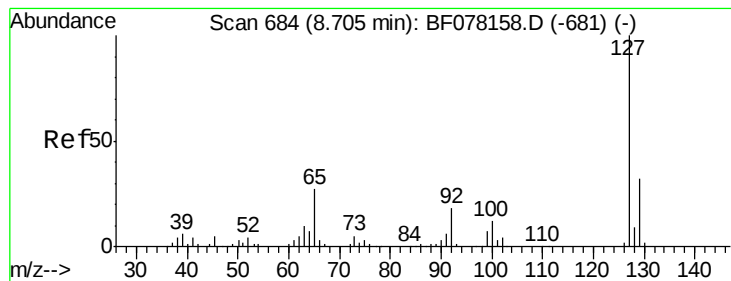
#31
 Naphthalene
 Concen: 84.37 ng
 RT: 8.62 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: BF078181.D
 Acq: 2 Apr 2015 6:04

Tgt Ion:128 Resp: 648223
 Ion Ratio Lower Upper
 128 100
 129 11.0 8.6 12.8
 127 13.0 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: 135.56 ng

RT: 8.68 min Scan# 682

Delta R.T. -0.02 min

Lab File: BF078181.D

Acq: 2 Apr 2015 6:04

Instrument :

BNA_F

ClientSampleId :

DCW-WW-102-33015

Tot Ion:127 Resp: 432194

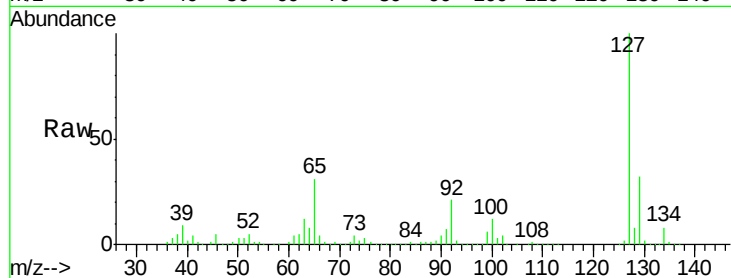
Ion Ratio Lower Upper

127 100

129 32.1 25.5 38.3

65 31.0 21.7 32.5

92 20.8 14.6 21.8

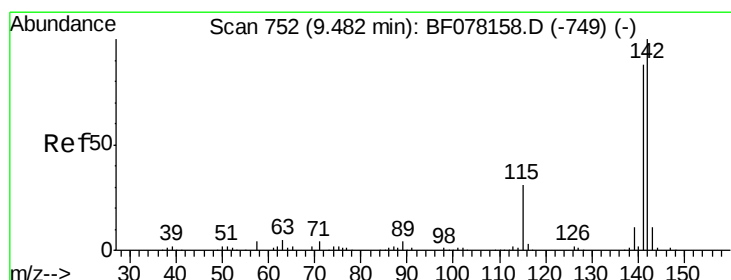
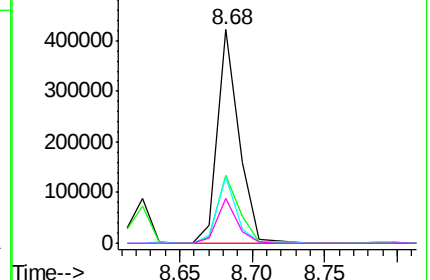
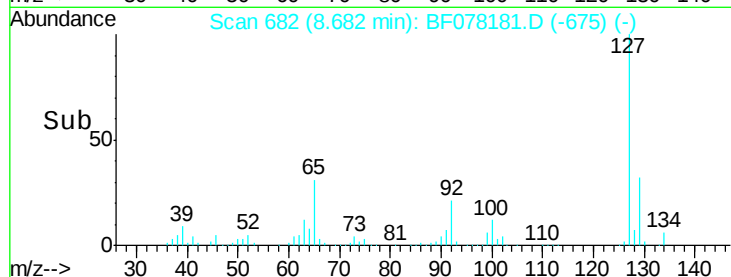


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#37

2-Methylnaphthalene

Concen: 29.17 ng

RT: 9.48 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF078181.D

Acq: 2 Apr 2015 6:04

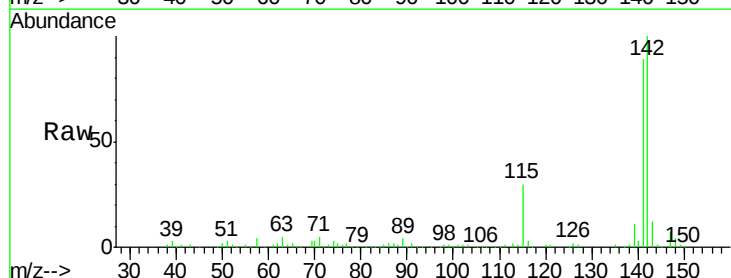
Tgt Ion:142 Resp: 152177

Ion Ratio Lower Upper

142 100

141 89.2 70.3 105.5

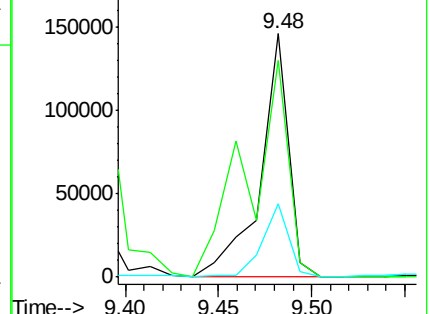
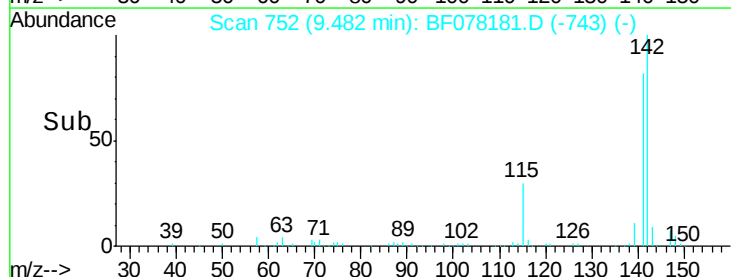
115 30.0 24.6 37.0

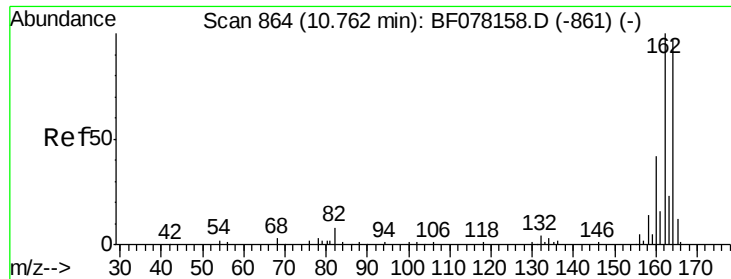


Abundance Ion 142.00 (141.70 to 142.70): E

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: 10.76 min Scan# 864

Delta R.T. 0.00 min

Lab File: BF078181.D

Acq: 2 Apr 2015 6:04

Instrument :

BNA_F

ClientSampleId :

DCW-WW-102-33015

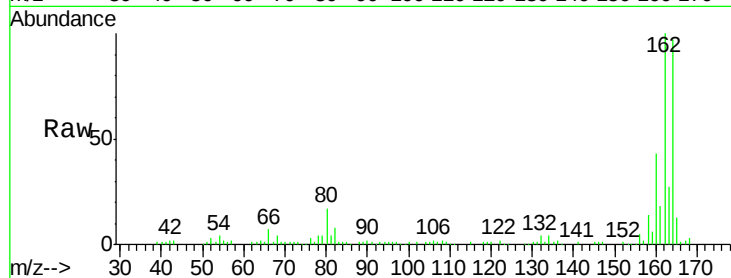
Tot Ion:164 Resp: 77262

Ion Ratio Lower Upper

164 100

162 103.2 82.2 123.2

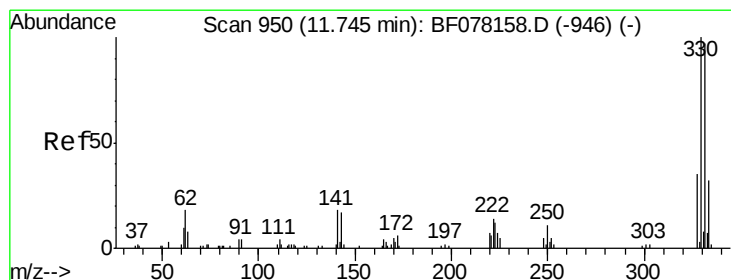
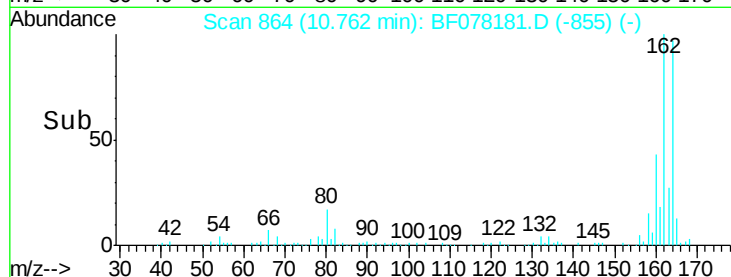
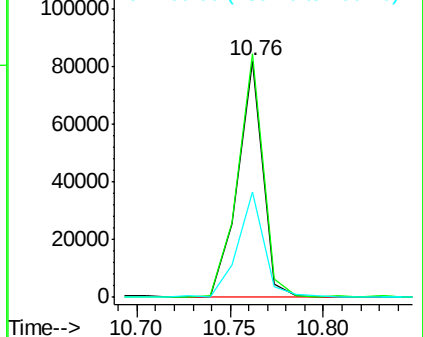
160 44.8 34.7 52.1



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: 151.06 ng

RT: 11.75 min Scan# 950

Delta R.T. 0.00 min

Lab File: BF078181.D

Acq: 2 Apr 2015 6:04

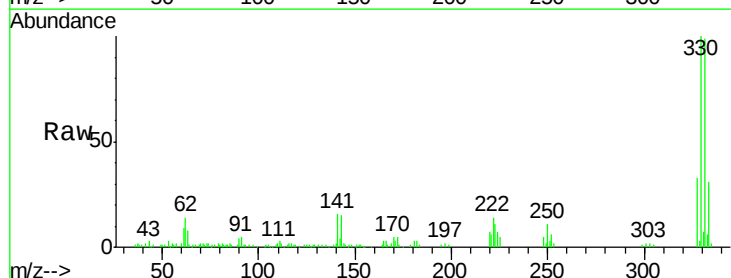
Tgt Ion:330 Resp: 96795

Ion Ratio Lower Upper

330 100

332 97.0 78.6 117.8

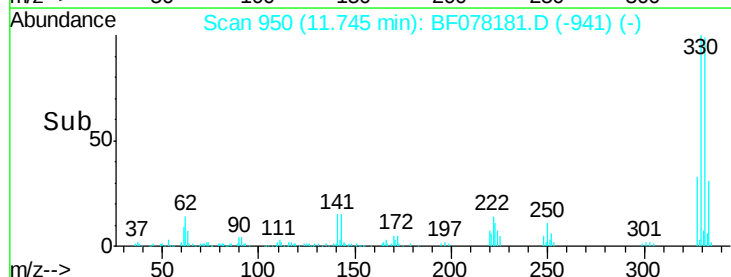
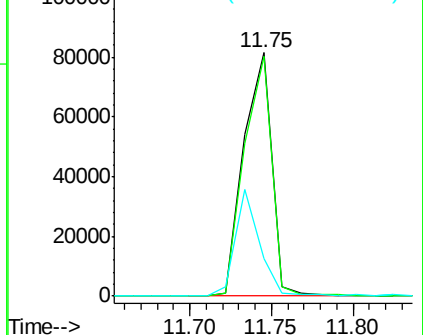
141 37.8 31.2 46.8

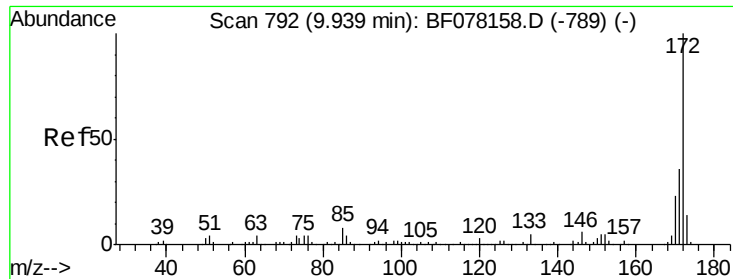


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

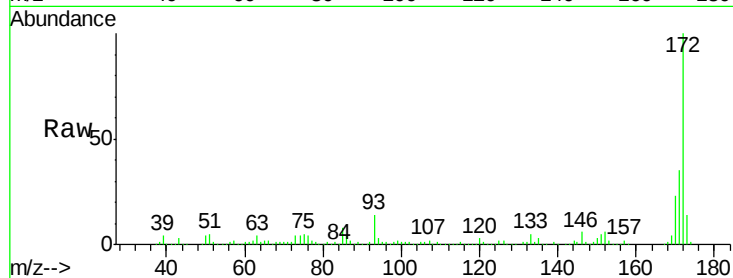




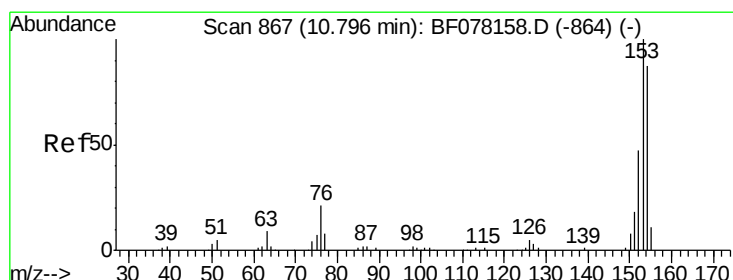
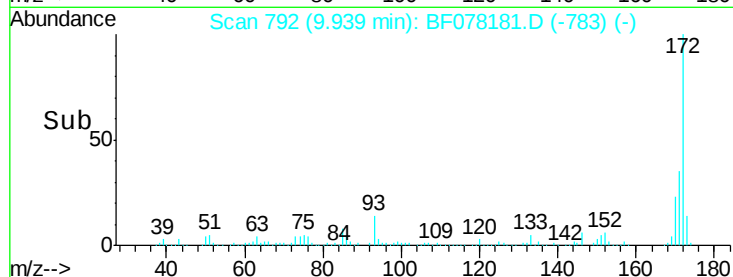
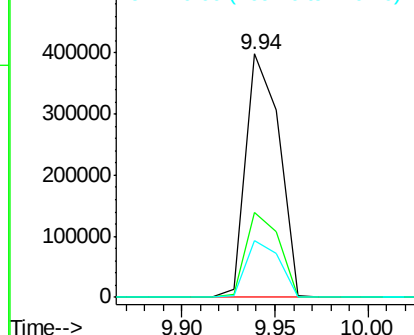
#44
2-Fluorobiphenyl
Concen: 91.48 ng
RT: 9.94 min Scan# 792
Delta R.T. 0.00 min
Lab File: BF078181.D
Acq: 2 Apr 2015 6:04

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

Tot Ion:172 Resp: 494476
Ion Ratio Lower Upper
172 100
171 35.0 28.6 42.8
170 23.4 18.5 27.7

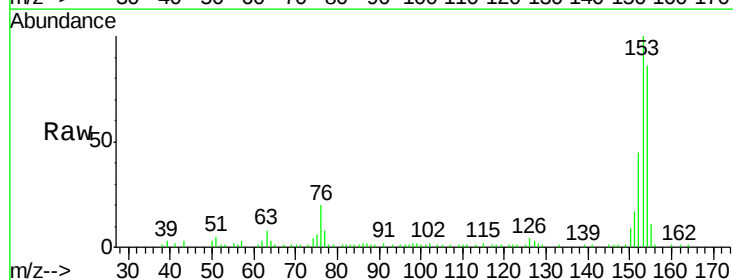


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

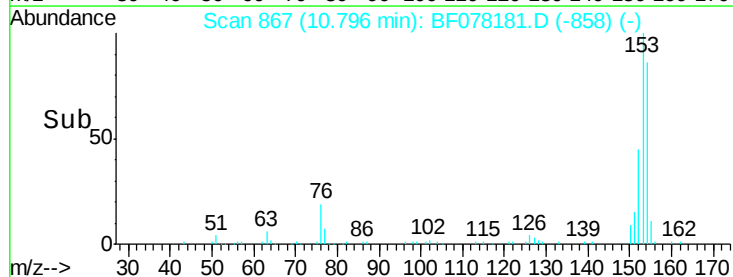
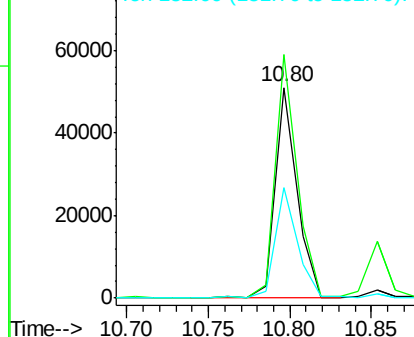


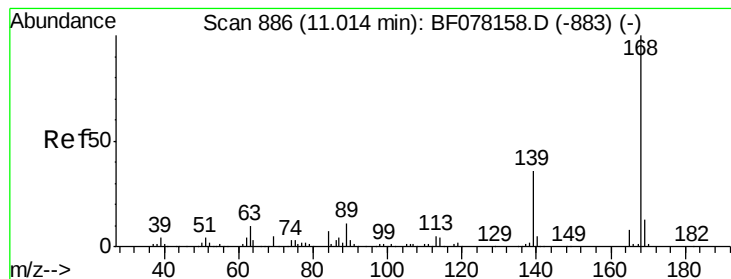
#51
Acenaphthene
Concen: 10.51 ng
RT: 10.80 min Scan# 867
Delta R.T. 0.00 min
Lab File: BF078181.D
Acq: 2 Apr 2015 6:04

Tgt Ion:154 Resp: 47498
Ion Ratio Lower Upper
154 100
153 115.7 91.4 137.2
152 52.5 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: 5.05 ng

RT: 11.01 min Scan# 886

Delta R.T. 0.00 min

Lab File: BF078181.D

Acq: 2 Apr 2015 6:04

Instrument :

BNA_F

ClientSampleId :

DCW-WW-102-33015

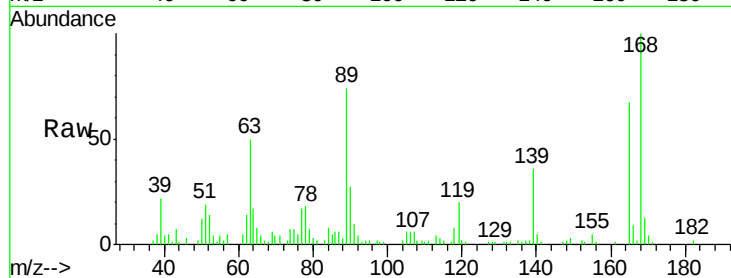
Tot Ion:168 Resp: 34844

Ion Ratio Lower Upper

168 100

139 36.0 31.0 46.4

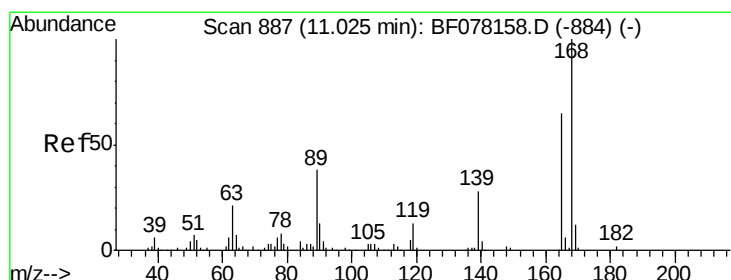
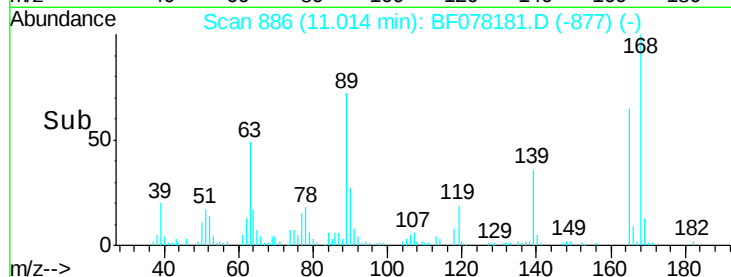
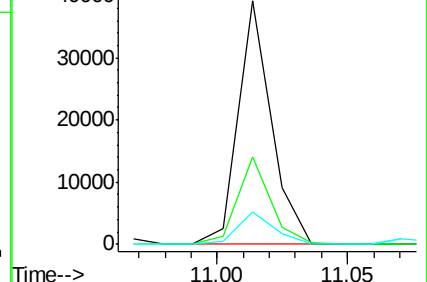
169 13.5 10.7 16.1



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: 47.97 ng

RT: 11.02 min Scan# 887

Delta R.T. 0.00 min

Lab File: BF078181.D

Acq: 2 Apr 2015 6:04

Tgt Ion:165 Resp: 74189

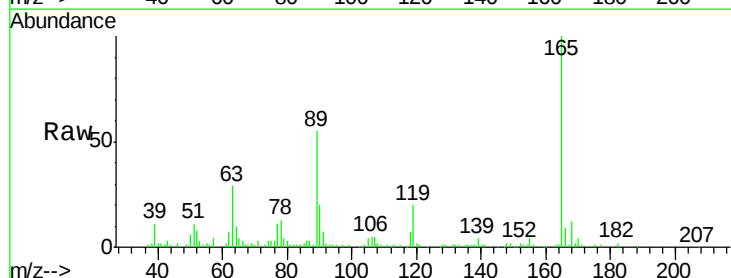
Ion Ratio Lower Upper

165 100

63 28.8 26.5 39.7

89 55.2 46.4 69.6

182 2.1 2.0 3.0

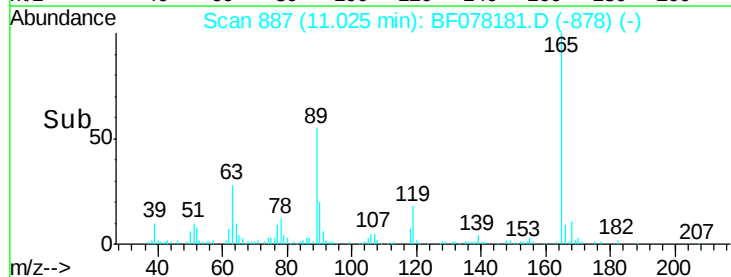
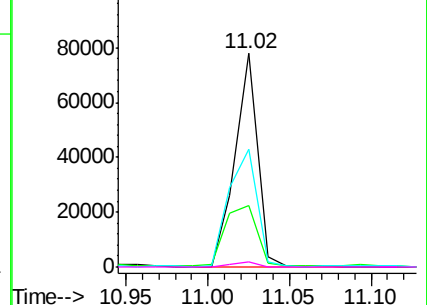


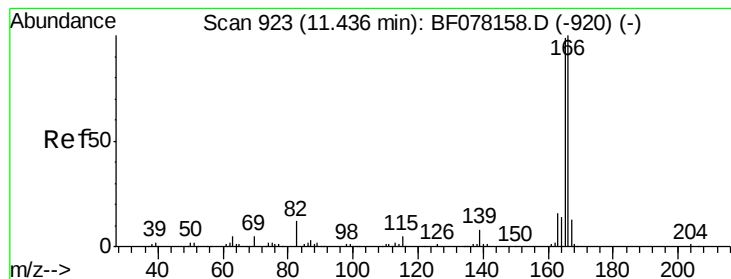
Abundance Ion 165.00 (164.70 to 165.70): E

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: 9.85 ng

RT: 11.44 min Scan# 923

Delta R.T. 0.00 min

Lab File: BF078181.D

Acq: 2 Apr 2015 6:04

Instrument :

BNA_F

ClientSampleId :

DCW-WW-102-33015

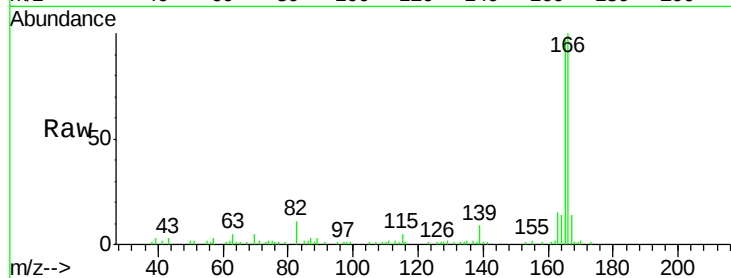
Tot Ion:166 Resp: 55151

Ion Ratio Lower Upper

166 100

165 96.7 78.9 118.3

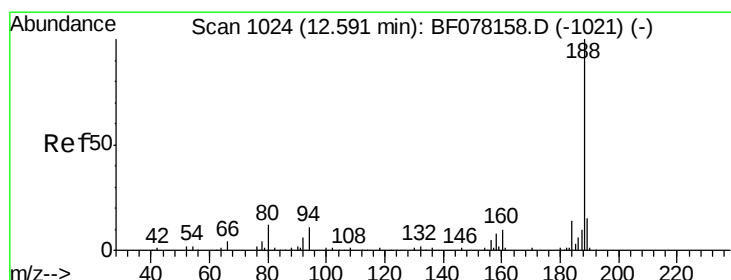
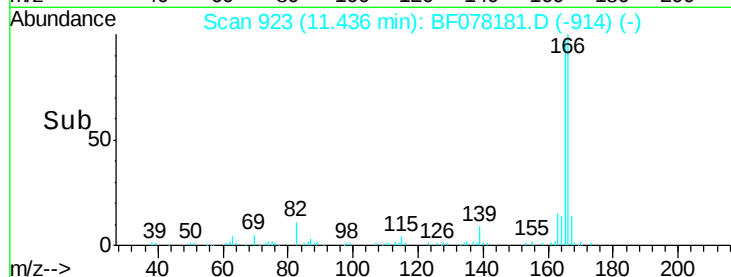
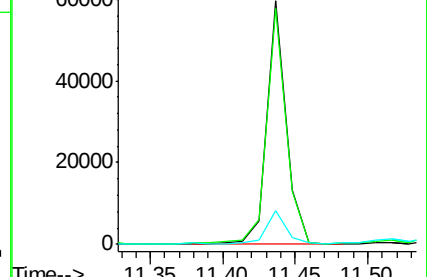
167 13.7 10.7 16.1



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: BF078181.D

Acq: 2 Apr 2015 6:04

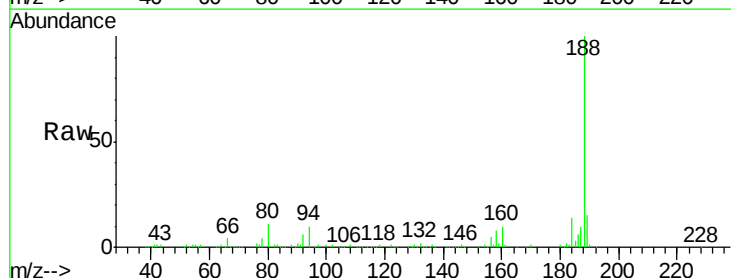
Tgt Ion:188 Resp: 143985

Ion Ratio Lower Upper

188 100

94 10.3 9.0 13.4

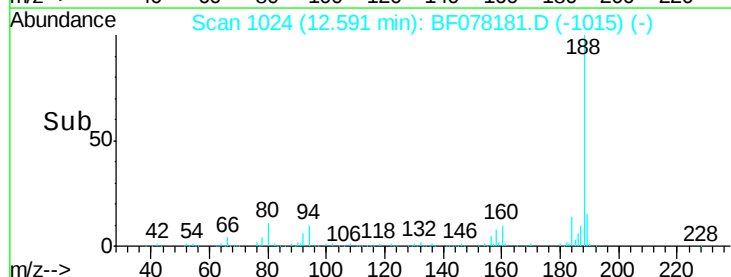
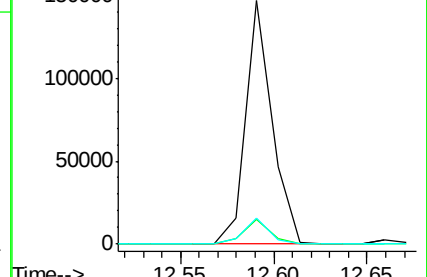
80 10.8 9.5 14.3

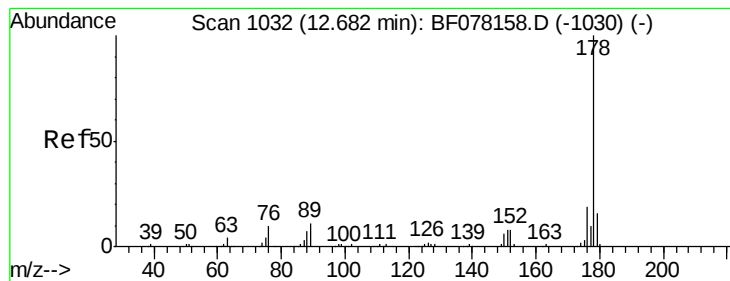


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#71

Anthracene

Concen: 2.64 ng

RT: 12.68 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF078181.D

Acq: 2 Apr 2015 6:04

Instrument :

BNA_F

ClientSampleId :

DCW-WW-102-33015

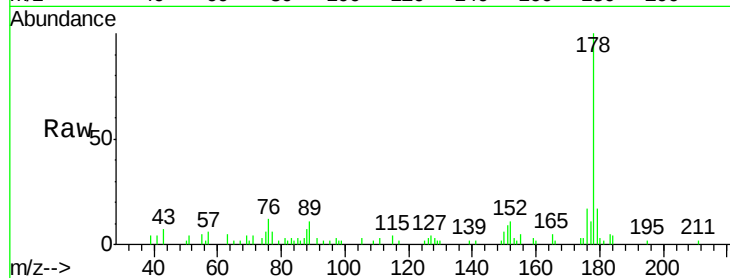
Tot Ion:178 Resp: 21650

Ion Ratio Lower Upper

178 100

176 17.4 14.8 22.2

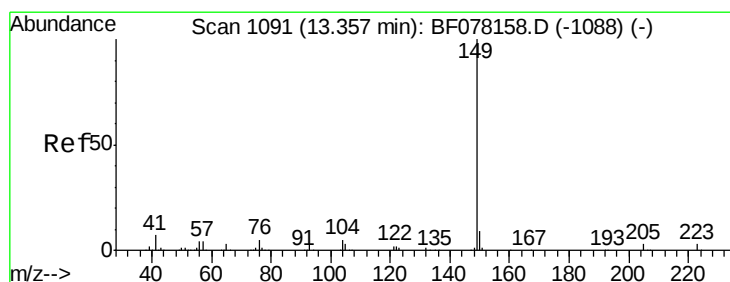
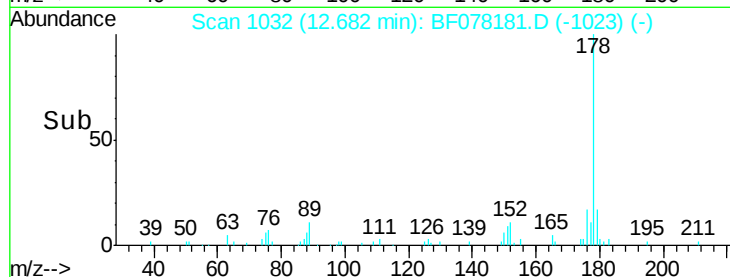
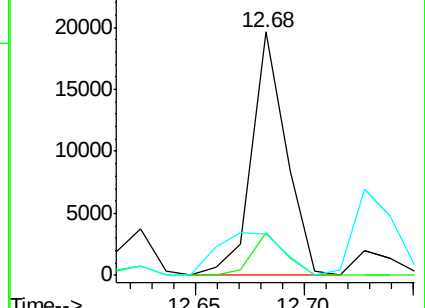
179 17.2 12.4 18.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Di-n-butylphthalate

Concen: 34.14 ng

RT: 13.36 min Scan# 1091

Delta R.T. 0.00 min

Lab File: BF078181.D

Acq: 2 Apr 2015 6:04

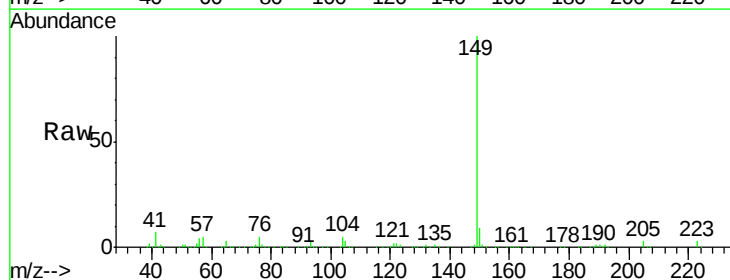
Tgt Ion:149 Resp: 297434

Ion Ratio Lower Upper

149 100

150 9.3 7.1 10.7

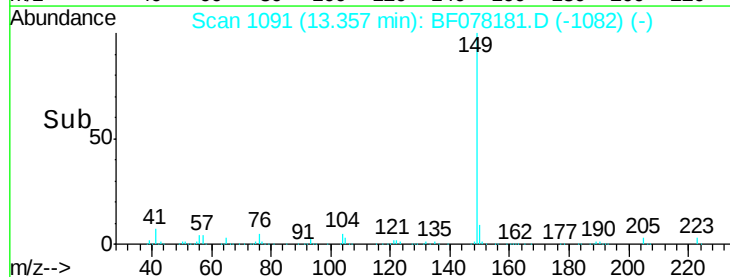
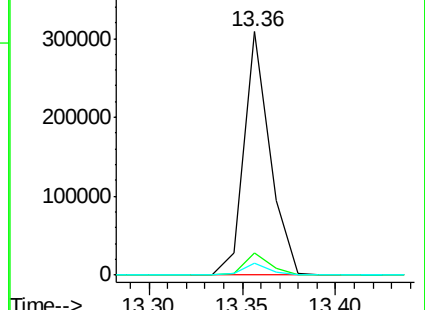
104 4.8 3.8 5.6

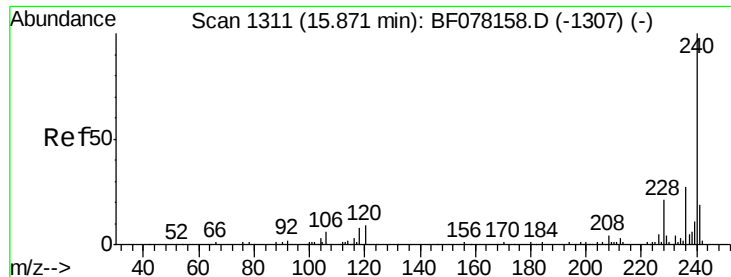


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

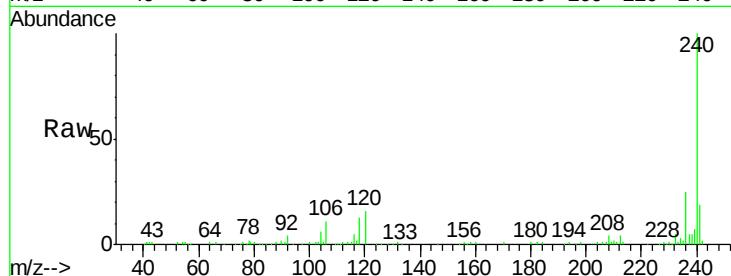




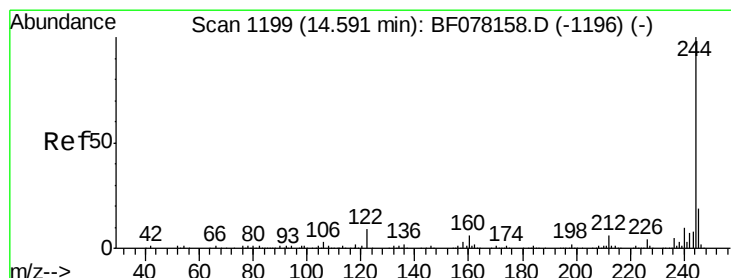
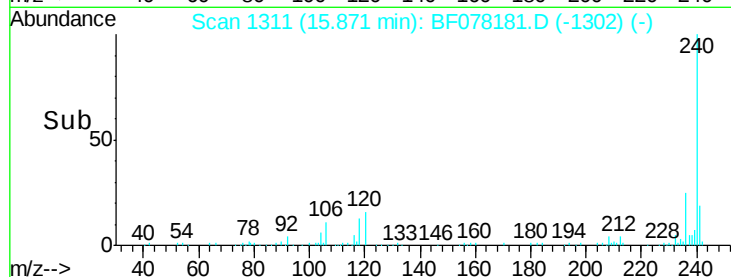
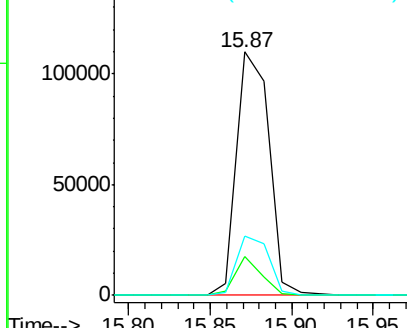
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 15.87 min Scan# 1311
 Delta R.T. 0.00 min
 Lab File: BF078181.D
 Acq: 2 Apr 2015 6:04

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

Tot Ion:240 Resp: 151176
 Ion Ratio Lower Upper
 240 100
 120 16.0 7.1 10.7#
 236 24.6 21.4 32.2

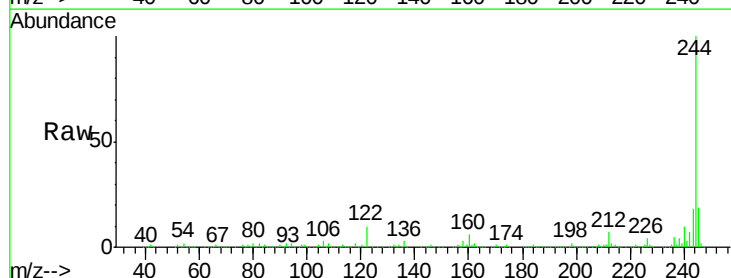


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

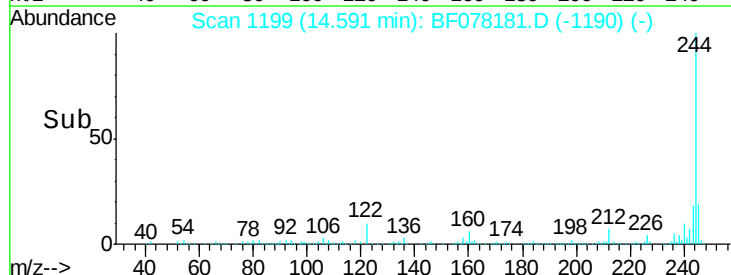
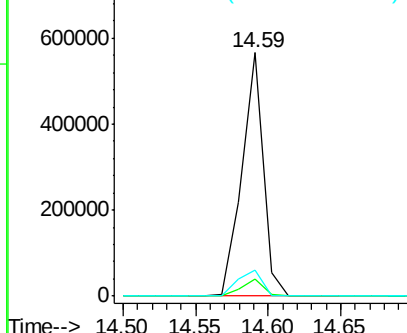


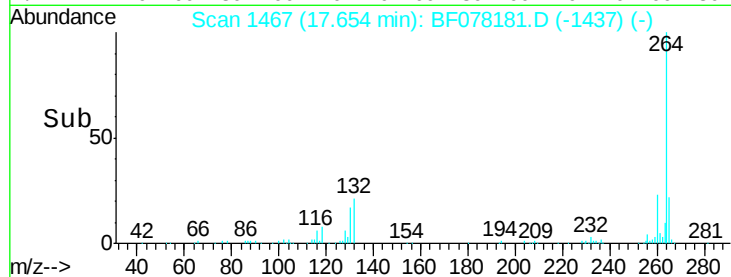
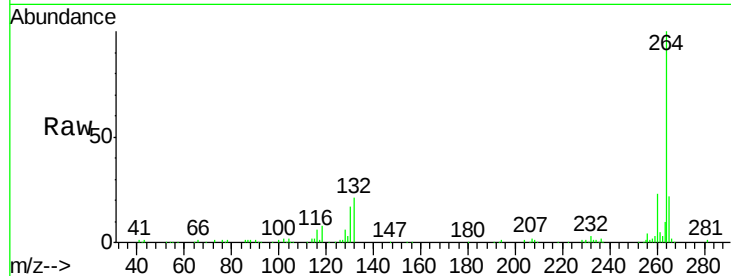
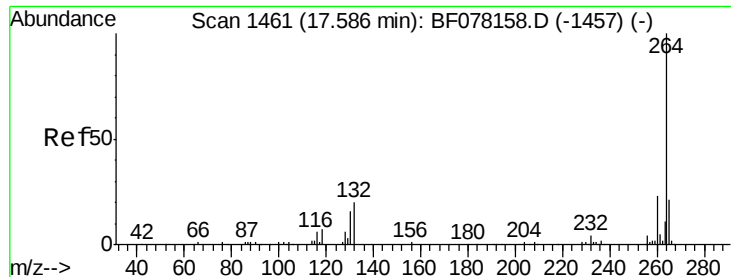
#78
 Terphenyl-d14
 Concen: 86.60 ng
 RT: 14.59 min Scan# 1199
 Delta R.T. 0.00 min
 Lab File: BF078181.D
 Acq: 2 Apr 2015 6:04

Tgt Ion:244 Resp: 579391
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.0 7.4
 122 10.5 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: 17.65 min Scan# 1467
 Delta R.T. 0.05 min
 Lab File: BF078181.D
 Acq: 2 Apr 2015 6:04

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	27.8
265	21.7	17.0	25.6

