

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040115\
 Data File : BF078182.D
 Acq On : 2 Apr 2015 6:32
 Operator : TP/IZ
 Sample : G1719-04
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

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

Quant Time: Apr 02 12:26:34 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

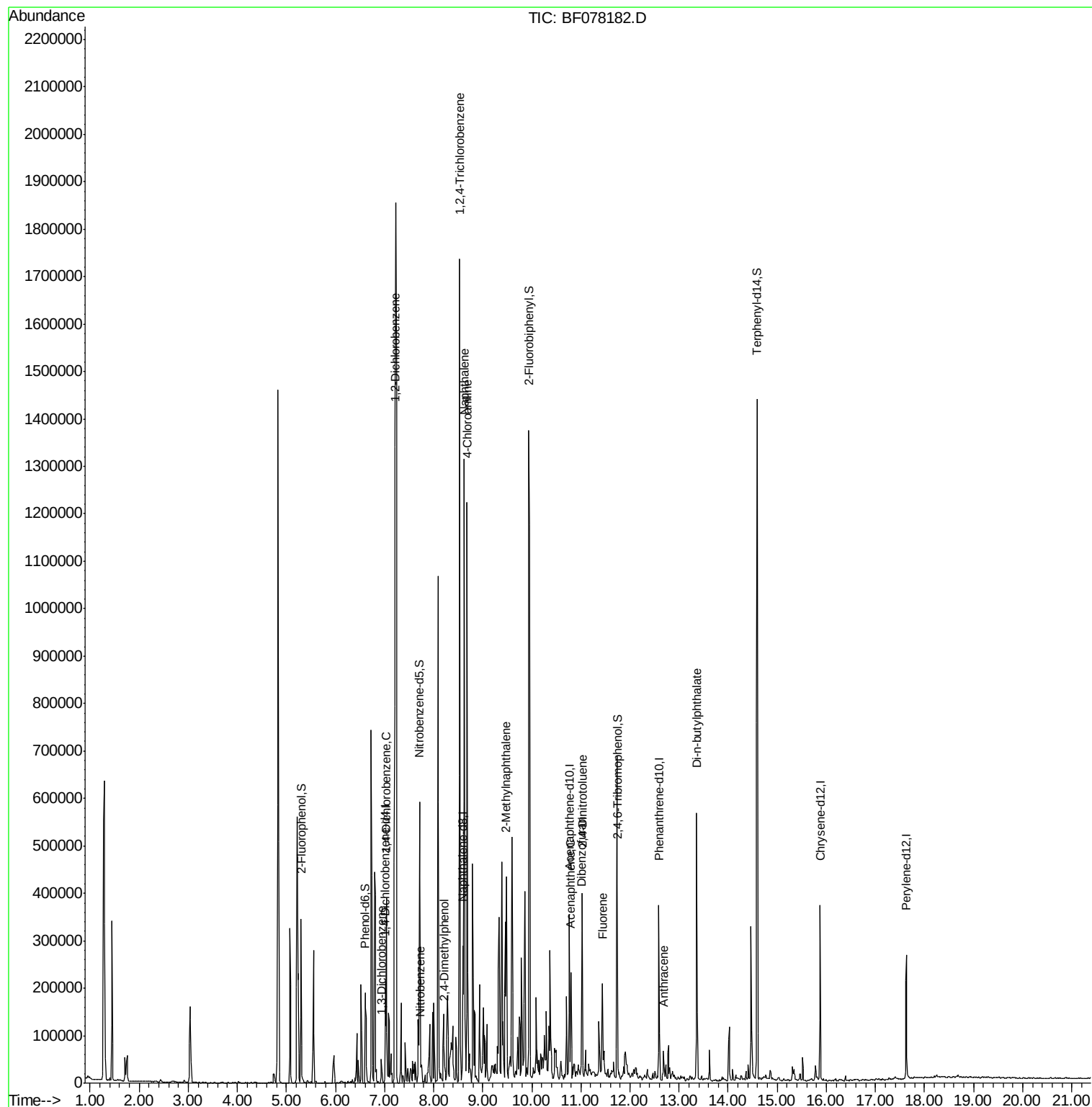
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	36387	20.00	ng	0.00
21) Naphthalene-d8	8.59	136	146185	20.00	ng	0.00
38) Acenaphthene-d10	10.76	164	73495	20.00	ng	0.00
63) Phenanthrene-d10	12.59	188	136035	20.00	ng	0.00
75) Chrysene-d12	15.87	240	142610	20.00	ng	0.00
86) Perylene-d12	17.63	264	140240	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	127353	57.71	ng	0.00
7) Phenol-d6	6.60	99	96440	34.87	ng	0.00
23) Nitrobenzene-d5	7.71	82	219294	90.93	ng	-0.01
41) 2,4,6-Tribromophenol	11.75	330	93108	152.75	ng	0.00
44) 2-Fluorobiphenyl	9.94	172	476288	92.63	ng	0.00
78) Terphenyl-d14	14.59	244	558680	88.52	ng	0.00
Target Compounds						Qvalue
12) 1,3-Dichlorobenzene	6.93	146	12997	4.53	ng	97
13) 1,4-Dichlorobenzene	7.04	146	98023	33.97	ng	99
14) 1,2-Dichlorobenzene	7.22	146	396470	146.55	ng	99
24) Nitrobenzene	7.73	77	13795	5.47	ng	# 75
27) 2,4-Dimethylphenol	8.21	122	10875	4.87	ng	88
30) 1,2,4-Trichlorobenzene	8.53	180	350049	150.21	ng	98
31) Naphthalene	8.62	128	673621	88.53	ng	99
33) 4-Chloroaniline	8.68	127	321925	101.96	ng	97
37) 2-Methylnaphthalene	9.48	142	137990	26.71	ng	99
51) Acenaphthene	10.80	154	48397	11.25	ng	100
54) Dibenzofuran	11.01	168	37509	5.71	ng	98
56) 2,4-Dinitrotoluene	11.02	165	85966	58.43	ng	93
57) Fluorene	11.44	166	56039	10.53	ng	100
71) Anthracene	12.68	178	19988	2.58	ng	96
73) Di-n-butylphthalate	13.36	149	303413	36.86	ng	100

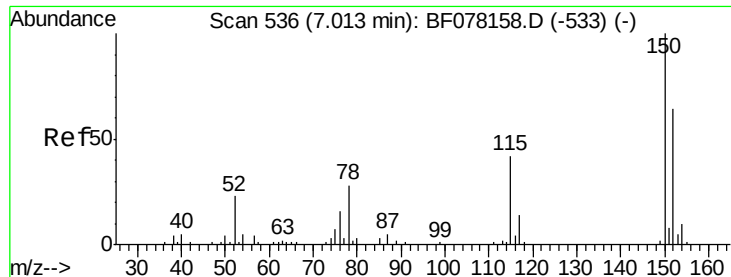
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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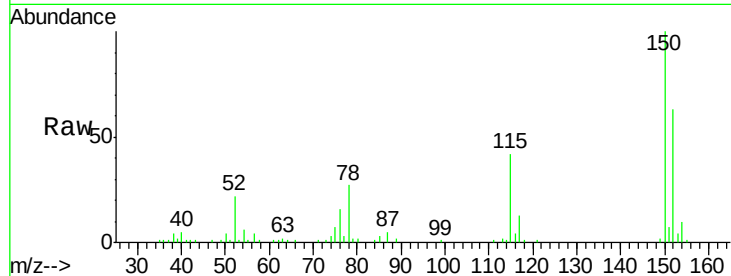


#1

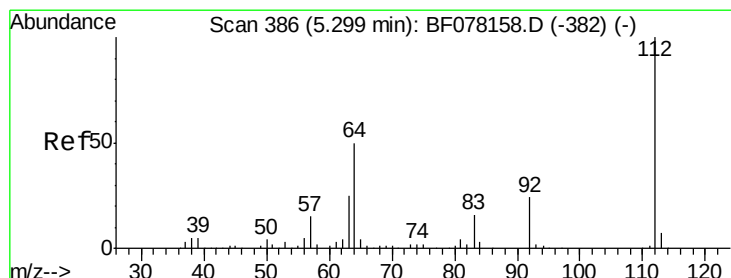
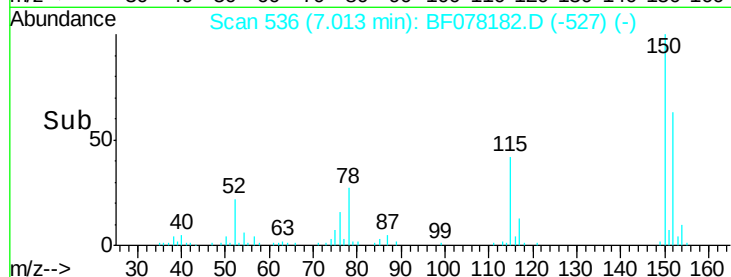
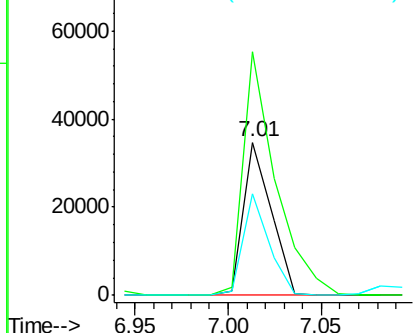
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.01 min Scan# 536
Delta R.T. 0.00 min
Lab File: BF078182.D
Acq: 2 Apr 2015 6:32

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

Tot Ion	152	Resp	36387
Ion	Ratio	Lower	Upper
152	100		
150	158.9	125.9	188.9
115	66.2	52.7	79.1



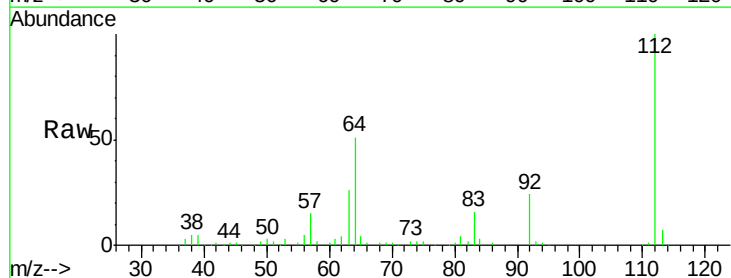
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



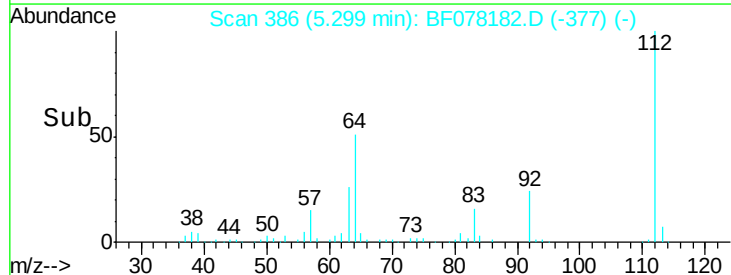
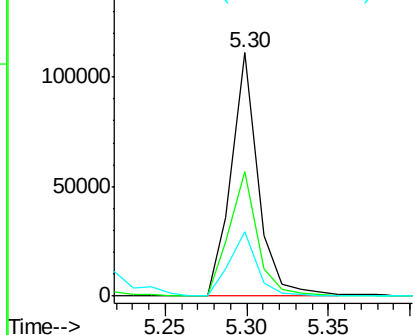
#5

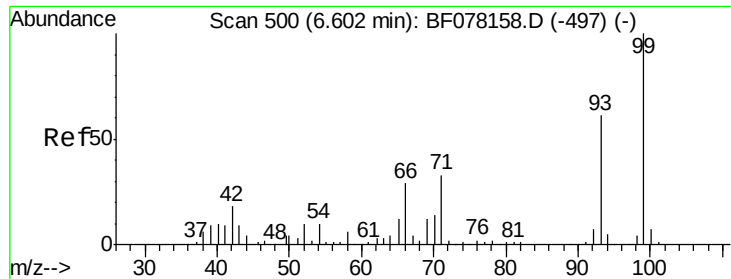
2-Fluorophenol
Concen: 57.71 ng
RT: 5.30 min Scan# 386
Delta R.T. 0.00 min
Lab File: BF078182.D
Acq: 2 Apr 2015 6:32

Tgt Ion	112	Resp	127353
Ion	Ratio	Lower	Upper
112	100		
64	51.4	39.9	59.9
63	26.2	20.2	30.4



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 34.87 ng

RT: 6.60 min Scan# 500

Delta R.T. 0.00 min

Lab File: BF078182.D

Acq: 2 Apr 2015 6:32

Instrument :

BNA_F

ClientSampleId :

DCW-WW-105-33015

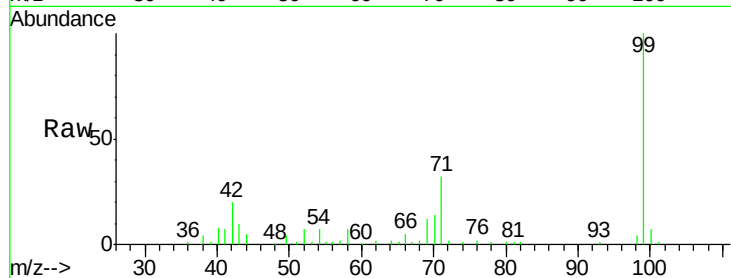
Tot Ion: 99 Resp: 96440

Ion Ratio Lower Upper

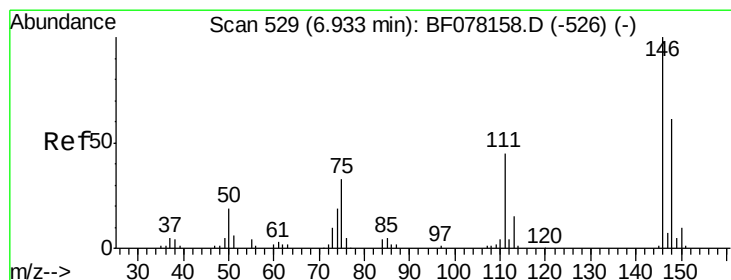
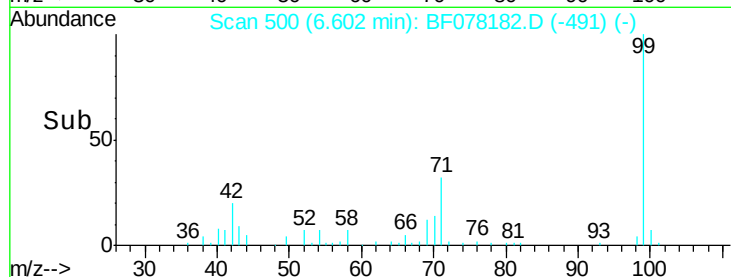
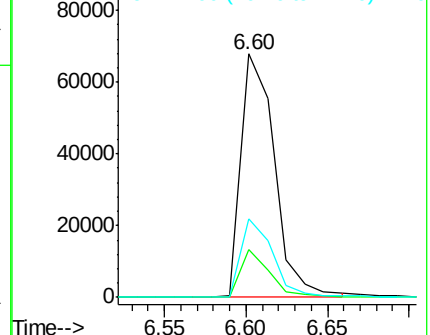
99 100

42 19.6 14.8 22.2

71 32.4 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: 4.53 ng

RT: 6.93 min Scan# 529

Delta R.T. -0.01 min

Lab File: BF078182.D

Acq: 2 Apr 2015 6:32

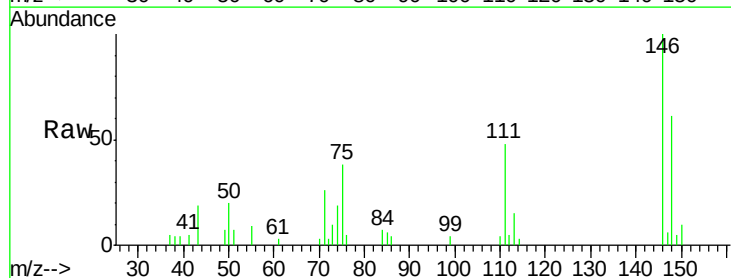
Tgt Ion: 146 Resp: 12997

Ion Ratio Lower Upper

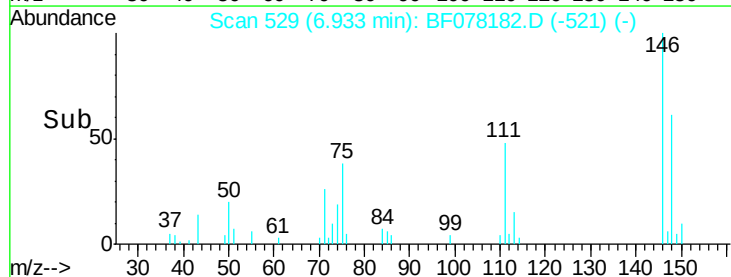
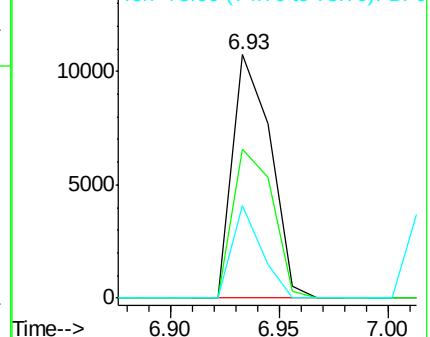
146 100

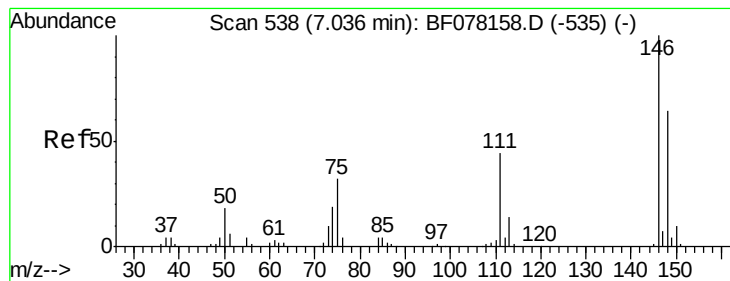
148 61.0 49.1 73.7

75 38.0 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: 33.97 ng

RT: 7.04 min Scan# 538

Delta R.T. 0.00 min

Lab File: BF078182.D

Acq: 2 Apr 2015 6:32

Instrument :

BNA_F

ClientSampleId :

DCW-WW-105-33015

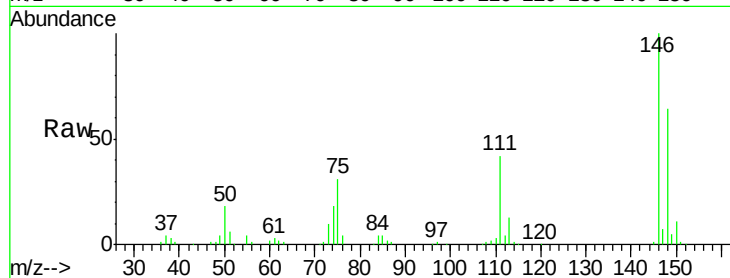
Tot Ion:146 Resp: 98023

Ion Ratio Lower Upper

146 100

148 64.1 51.4 77.0

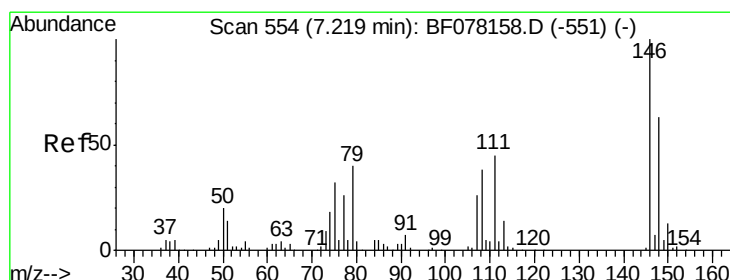
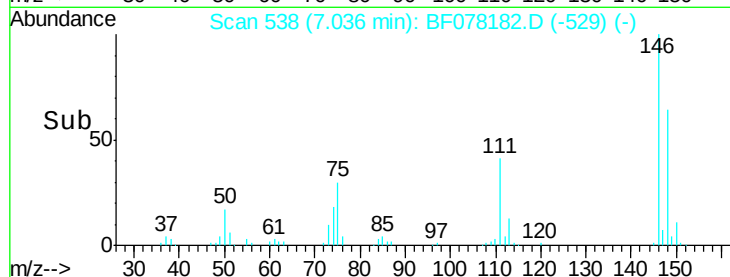
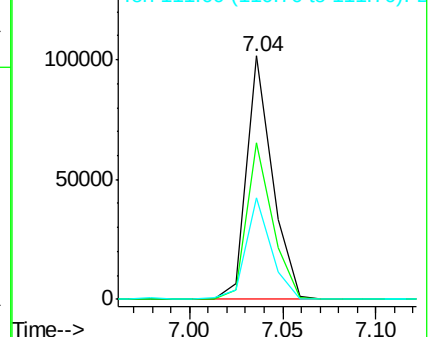
111 41.9 35.0 52.4



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: 146.55 ng

RT: 7.22 min Scan# 554

Delta R.T. 0.00 min

Lab File: BF078182.D

Acq: 2 Apr 2015 6:32

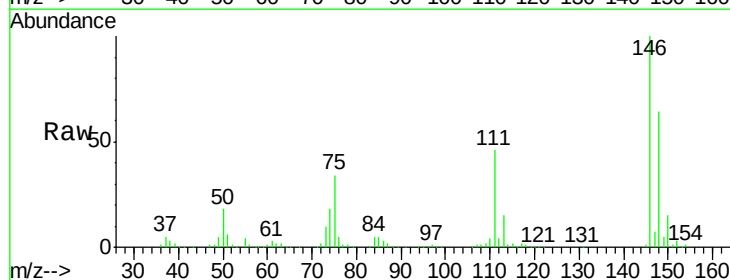
Tgt Ion:146 Resp: 396470

Ion Ratio Lower Upper

146 100

148 63.7 50.2 75.4

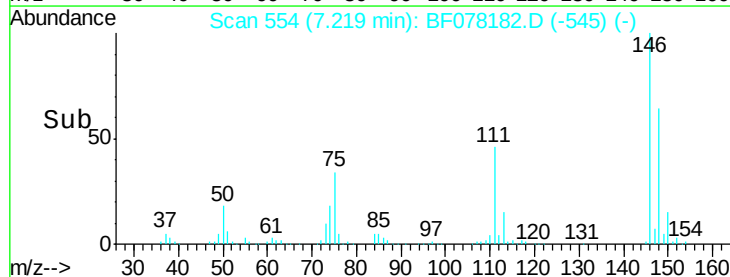
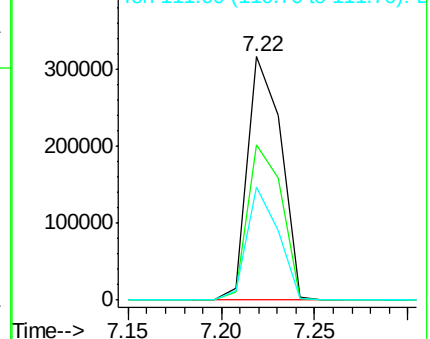
111 46.3 36.1 54.1

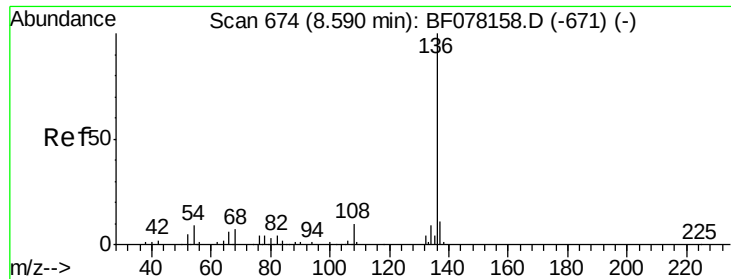


Abundance Ion 146.00 (145.70 to 146.70): E

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: BF078182.D

Acq: 2 Apr 2015 6:32

Instrument :

BNA_F

ClientSampleId :

DCW-WW-105-33015

Tot Ion:136 Resp: 146185

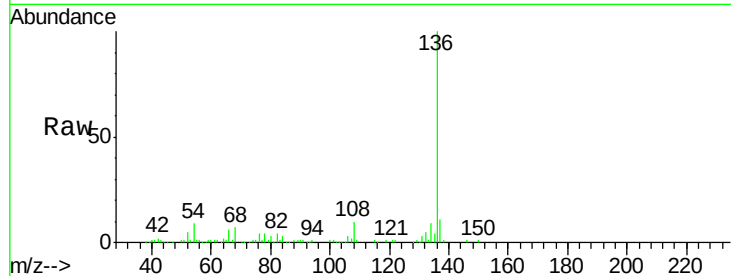
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 9.0 7.0 10.6

68 7.2 5.4 8.2

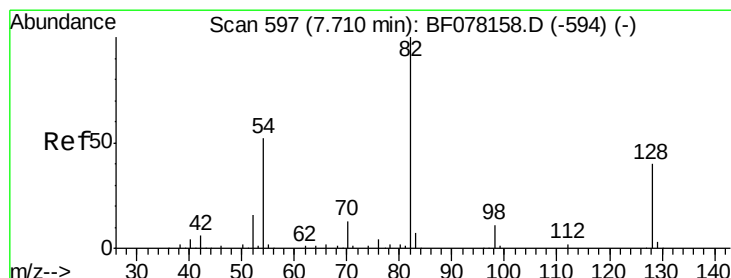
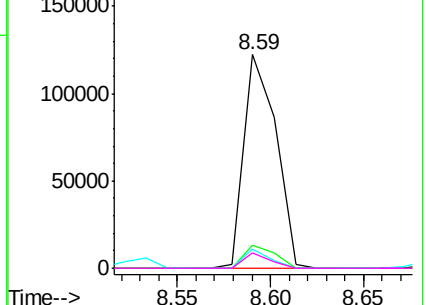
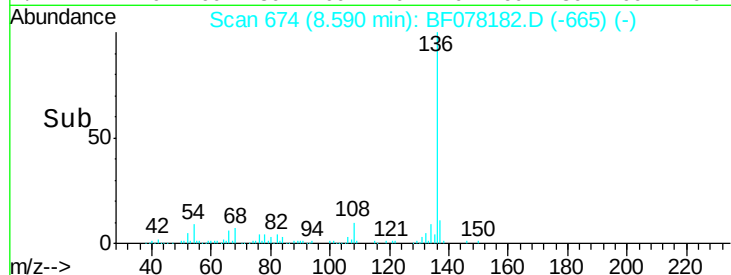


Abundance Ion 136.00 (135.70 to 136.70): E

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: 90.93 ng

RT: 7.71 min Scan# 597

Delta R.T. -0.01 min

Lab File: BF078182.D

Acq: 2 Apr 2015 6:32

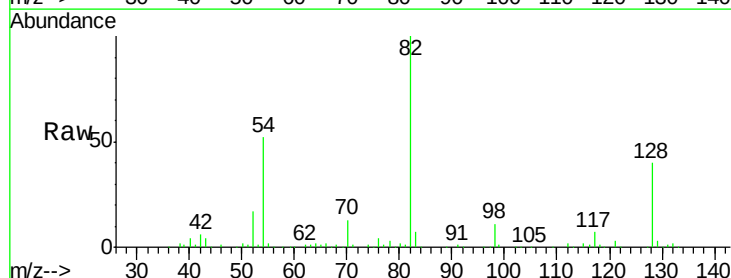
Tgt Ion: 82 Resp: 219294

Ion Ratio Lower Upper

82 100

128 40.2 31.8 47.8

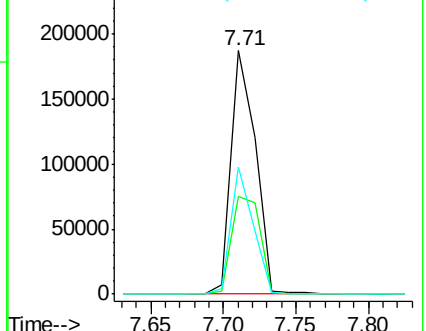
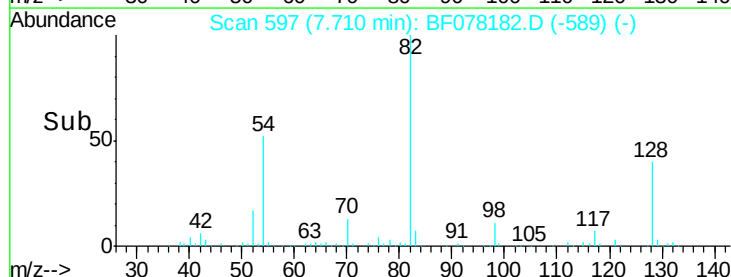
54 52.2 41.5 62.3

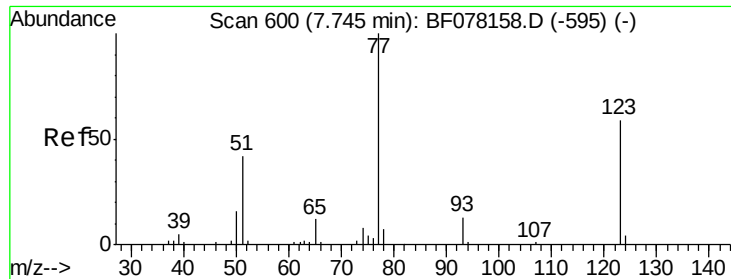


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 5.47 ng

RT: 7.73 min Scan# 599

Delta R.T. -0.01 min

Lab File: BF078182.D

Acq: 2 Apr 2015 6:32

Instrument :

BNA_F

ClientSampleId :

DCW-WW-105-33015

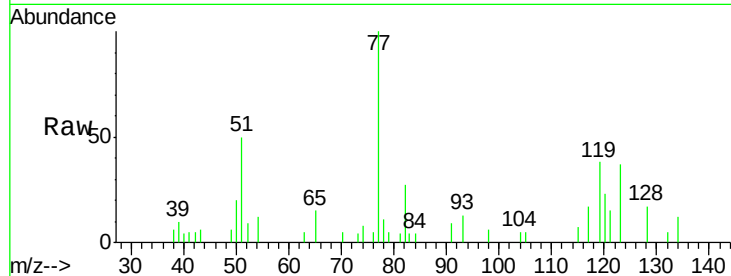
Tot Ion: 77 Resp: 13795

Ion Ratio Lower Upper

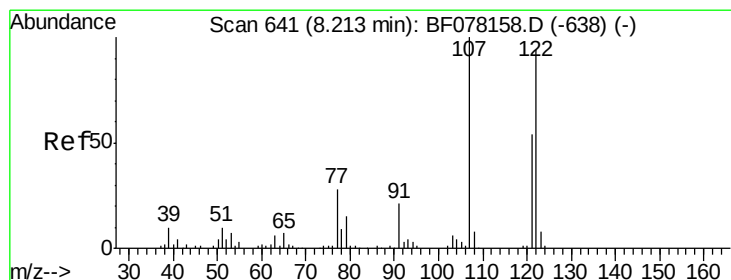
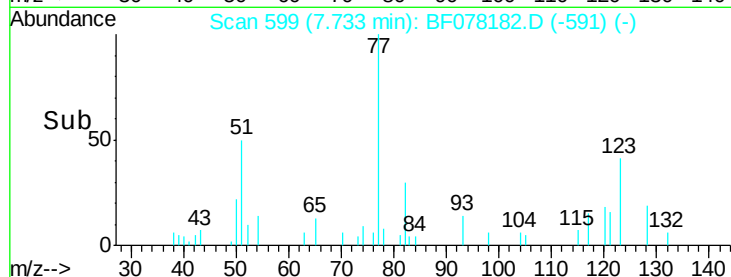
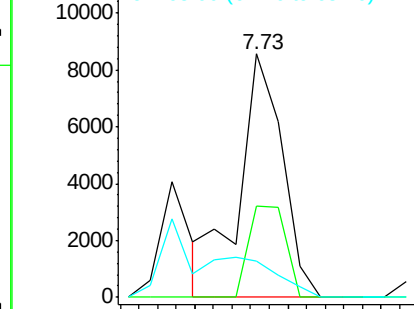
77 100

123 37.4 46.9 70.3#

65 14.9 9.5 14.3#



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 123.00 (122.70 to 123.70): E
Ion 65.00 (64.70 to 65.70): BF0



#27

2,4-Dimethylphenol

Concen: 4.87 ng

RT: 8.21 min Scan# 641

Delta R.T. 0.00 min

Lab File: BF078182.D

Acq: 2 Apr 2015 6:32

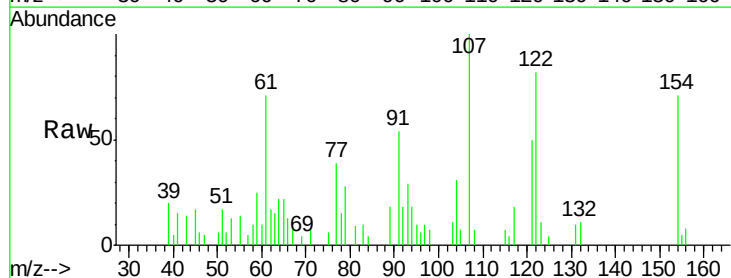
Tgt Ion:122 Resp: 10875

Ion Ratio Lower Upper

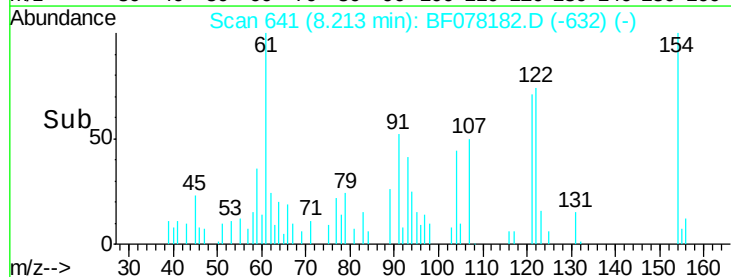
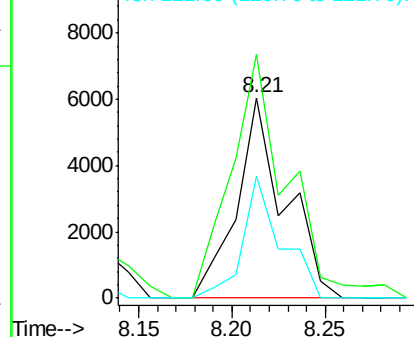
122 100

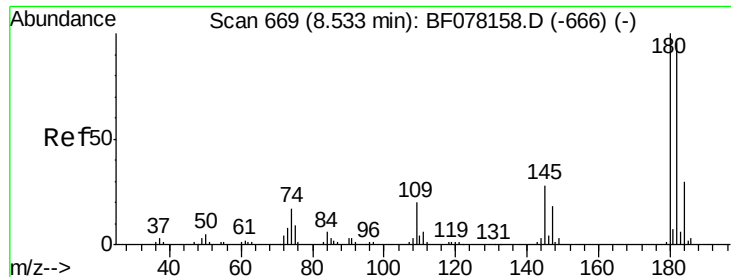
107 121.5 84.6 127.0

121 61.1 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

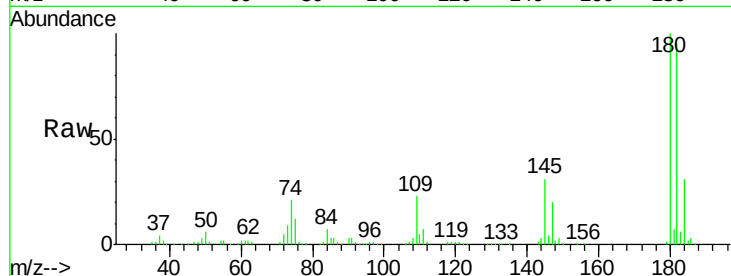




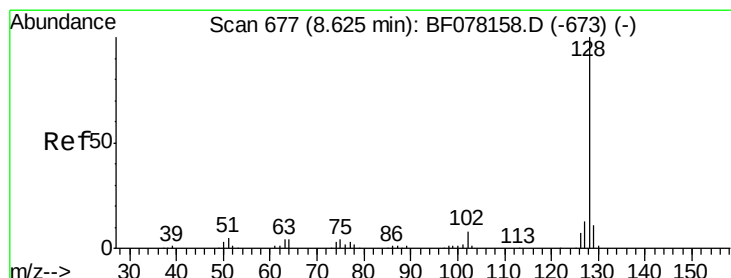
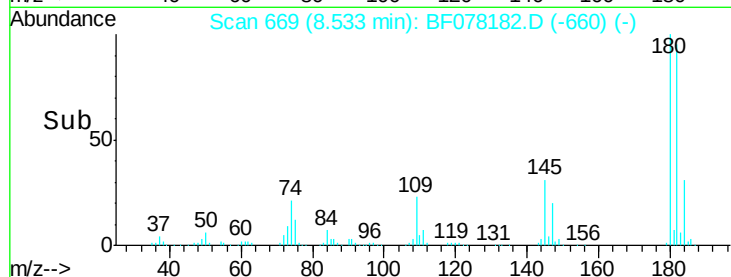
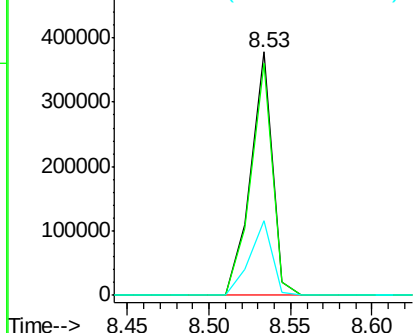
#30
 1,2,4-Trichlorobenzene
 Concen: 150.21 ng
 RT: 8.53 min Scan# 669
 Delta R.T. 0.00 min
 Lab File: BF078182.D
 Acq: 2 Apr 2015 6:32

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

Tot Ion:180 Resp: 350049
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.9 115.3
 145 30.6 22.5 33.7

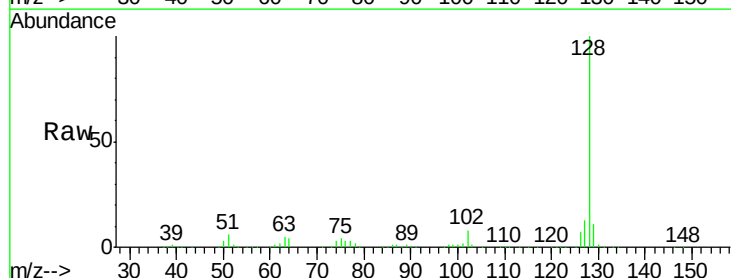


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

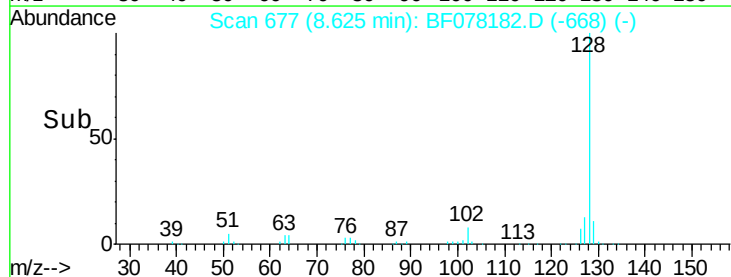
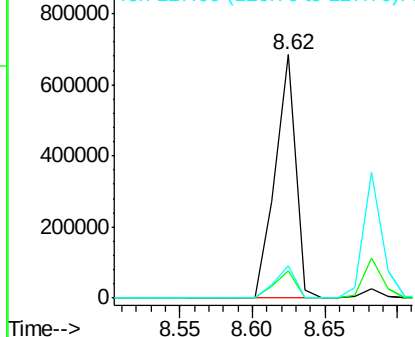


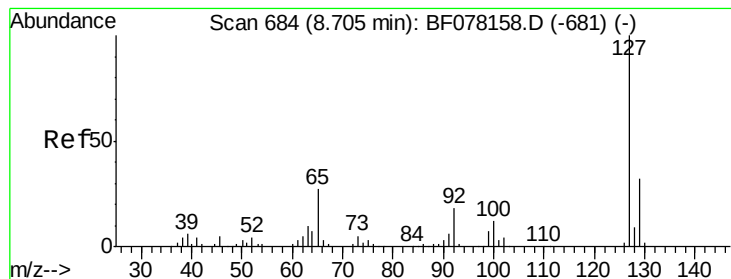
#31
 Naphthalene
 Concen: 88.53 ng
 RT: 8.62 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: BF078182.D
 Acq: 2 Apr 2015 6:32

Tgt Ion:128 Resp: 673621
 Ion Ratio Lower Upper
 128 100
 129 11.1 8.6 12.8
 127 13.1 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: 101.96 ng

RT: 8.68 min Scan# 682

Delta R.T. -0.02 min

Lab File: BF078182.D

Acq: 2 Apr 2015 6:32

Instrument :

BNA_F

ClientSampleId :

DCW-WW-105-33015

Tot Ion:127 Resp: 321925

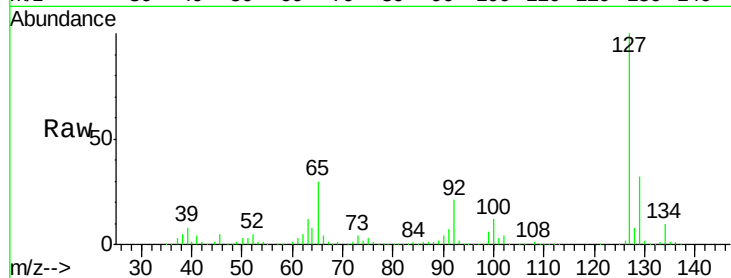
Ion Ratio Lower Upper

127 100

129 32.2 25.5 38.3

65 29.5 21.7 32.5

92 20.8 14.6 21.8

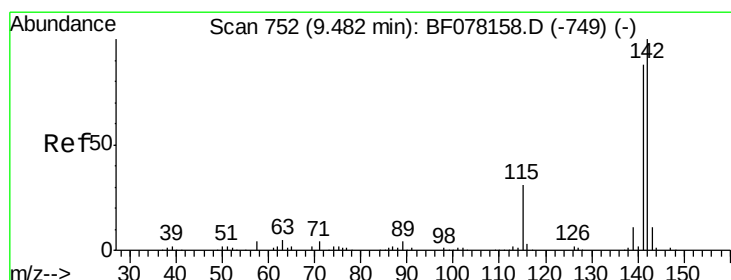
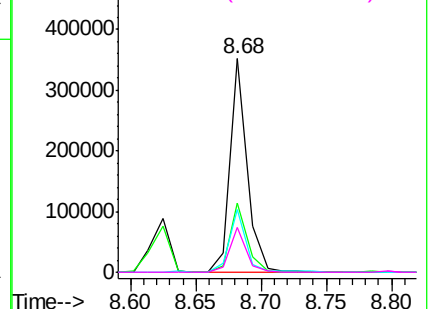
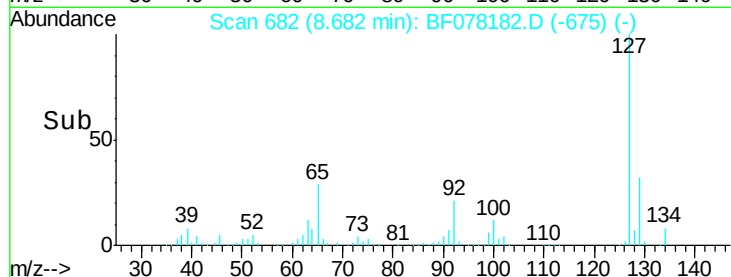


Abundance Ion 127.00 (126.70 to 127.70): E

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: 26.71 ng

RT: 9.48 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF078182.D

Acq: 2 Apr 2015 6:32

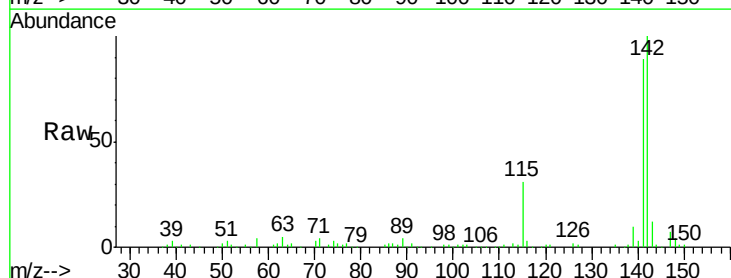
Tgt Ion:142 Resp: 137990

Ion Ratio Lower Upper

142 100

141 89.5 70.3 105.5

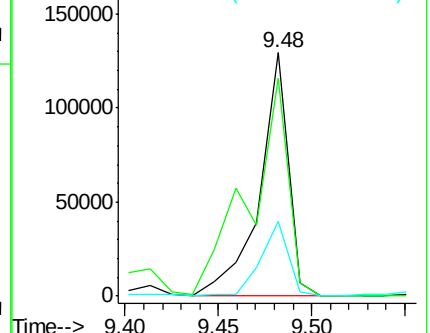
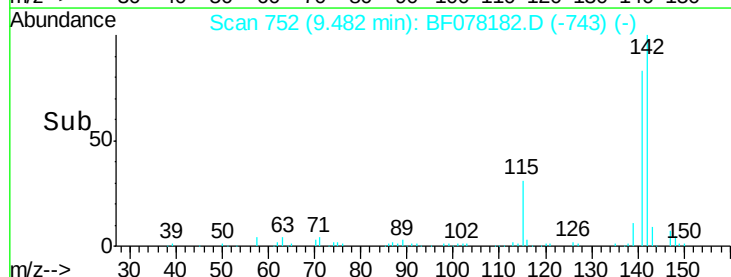
115 30.9 24.6 37.0

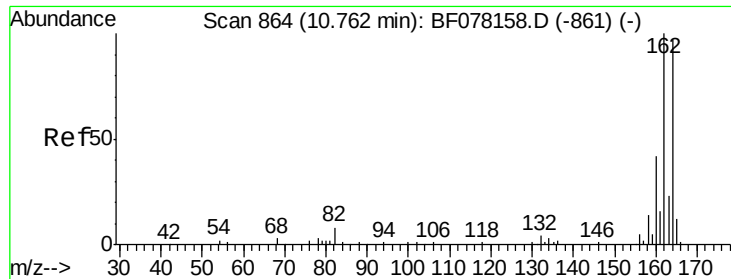


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

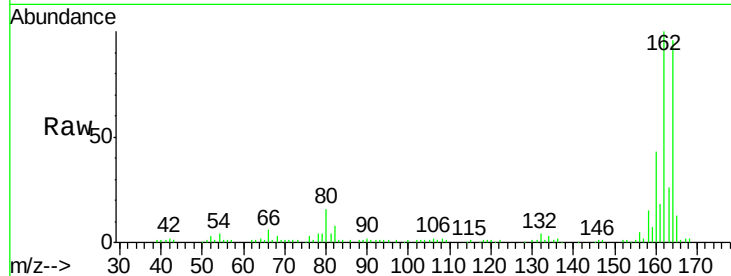




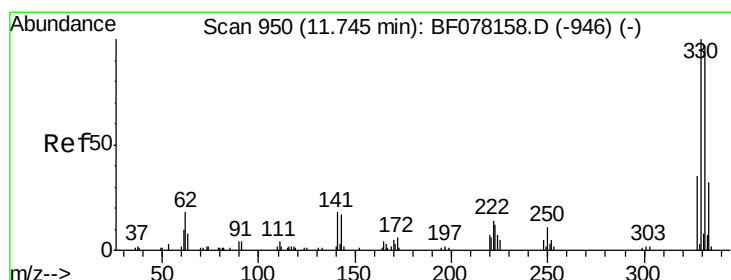
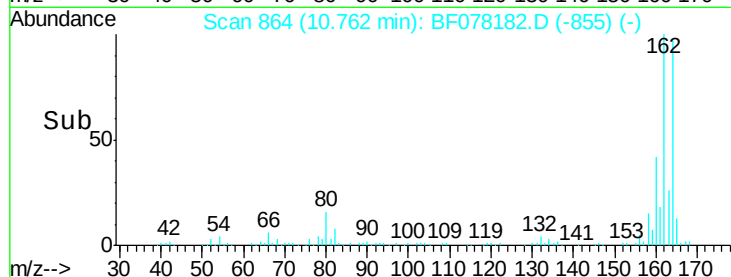
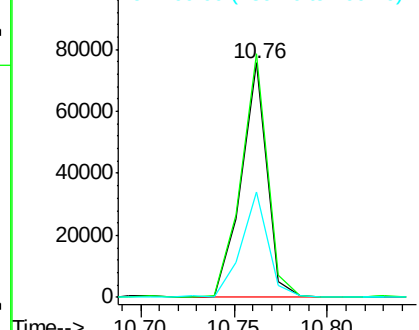
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.76 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: BF078182.D
 Acq: 2 Apr 2015 6:32

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

Tot Ion:164 Resp: 73495
 Ion Ratio Lower Upper
 164 100
 162 103.8 82.2 123.2
 160 44.9 34.7 52.1

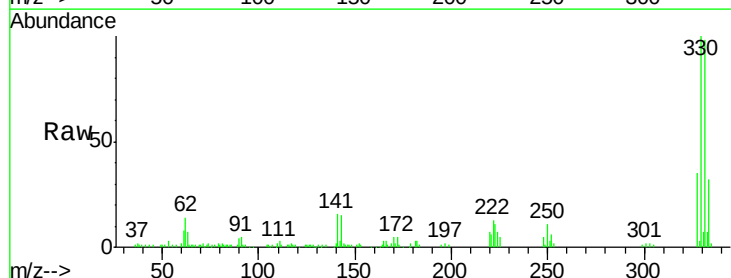


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

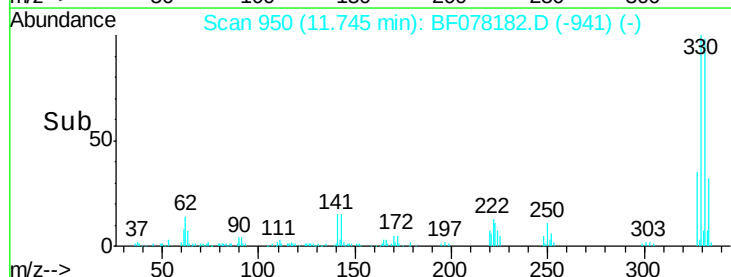
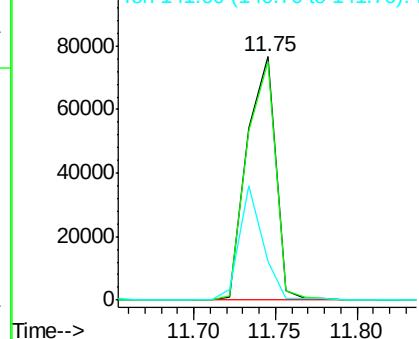


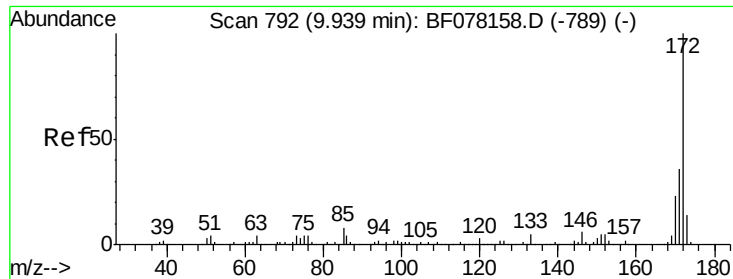
#41
 2,4,6-Tribromophenol
 Concen: 152.75 ng
 RT: 11.75 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: BF078182.D
 Acq: 2 Apr 2015 6:32

Tgt Ion:330 Resp: 93108
 Ion Ratio Lower Upper
 330 100
 332 98.2 78.6 117.8
 141 39.1 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

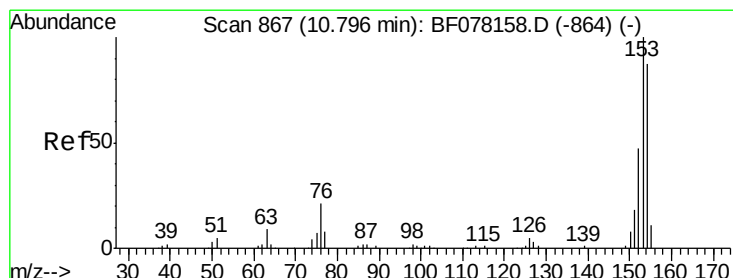
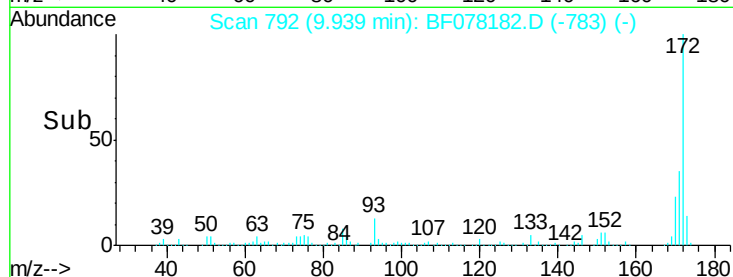
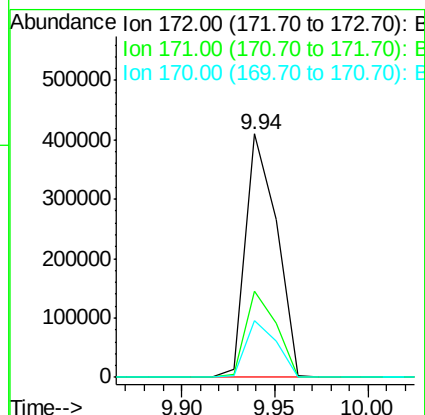
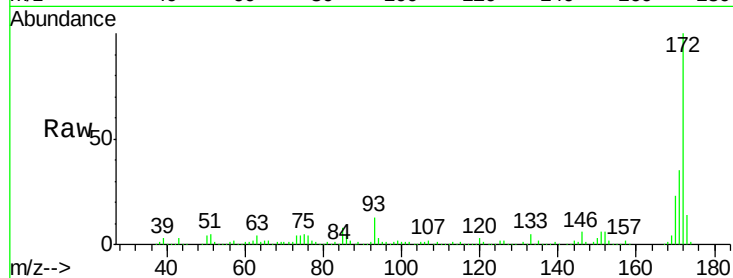




#44
2-Fluorobiphenyl
Concen: 92.63 ng
RT: 9.94 min Scan# 792
Delta R.T. 0.00 min
Lab File: BF078182.D
Acq: 2 Apr 2015 6:32

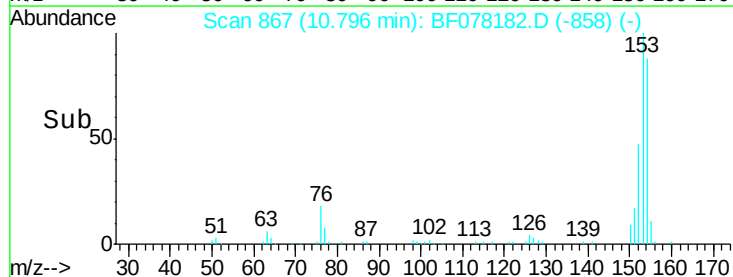
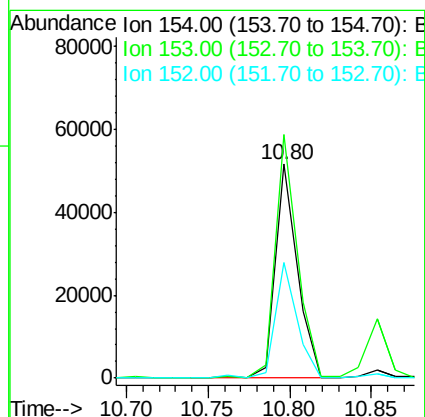
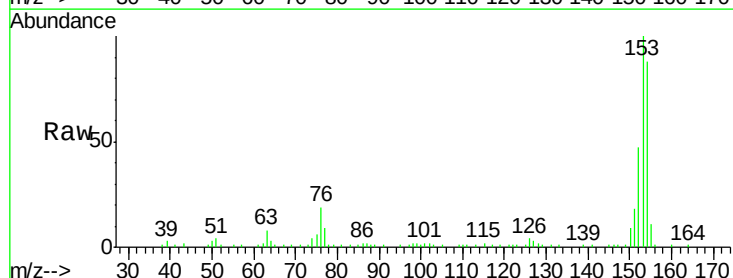
Instrument :
BNA_F
ClientSampleId :
DCW-WW-105-33015

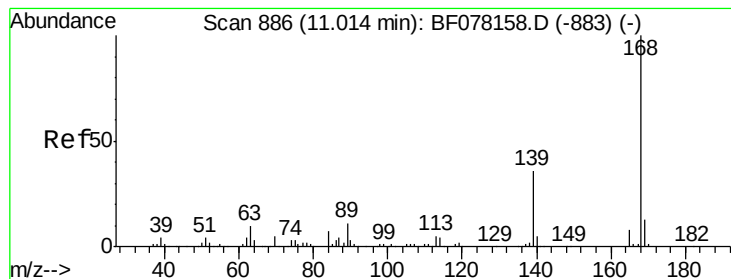
Tot Ion:172 Resp: 476288
Ion Ratio Lower Upper
172 100
171 35.2 28.6 42.8
170 23.1 18.5 27.7



#51
Acenaphthene
Concen: 11.25 ng
RT: 10.80 min Scan# 867
Delta R.T. 0.00 min
Lab File: BF078182.D
Acq: 2 Apr 2015 6:32

Tgt Ion:154 Resp: 48397
Ion Ratio Lower Upper
154 100
153 113.9 91.4 137.2
152 53.8 43.0 64.6





#54

Dibenzenofuran

Concen: 5.71 ng

RT: 11.01 min Scan# 886

Delta R.T. 0.00 min

Lab File: BF078182.D

Acq: 2 Apr 2015 6:32

Instrument :

BNA_F

ClientSampleId :

DCW-WW-105-33015

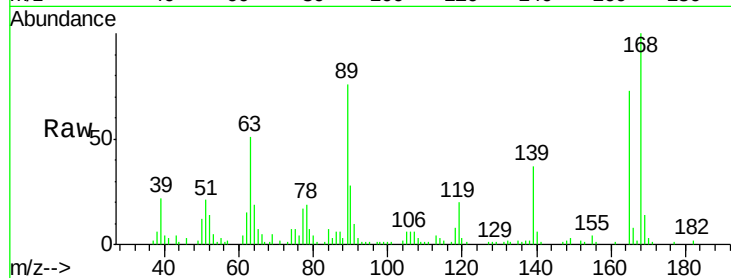
Tot Ion:168 Resp: 37509

Ion Ratio Lower Upper

168 100

139 37.3 31.0 46.4

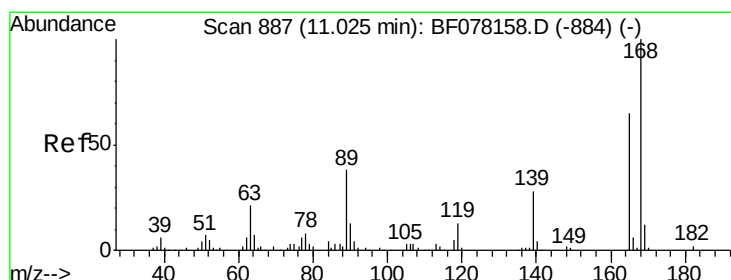
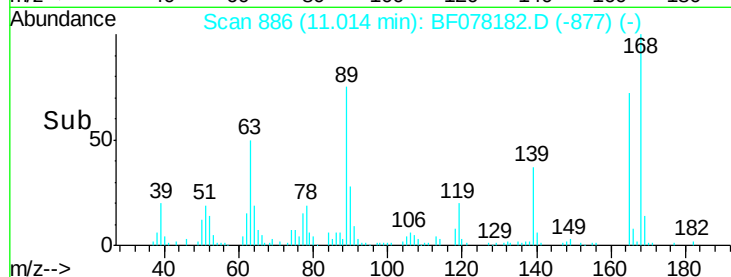
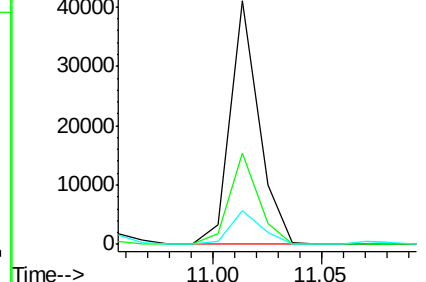
169 13.9 10.7 16.1



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



#56

2,4-Dinitrotoluene

Concen: 58.43 ng

RT: 11.02 min Scan# 887

Delta R.T. 0.00 min

Lab File: BF078182.D

Acq: 2 Apr 2015 6:32

Tgt Ion:165 Resp: 85966

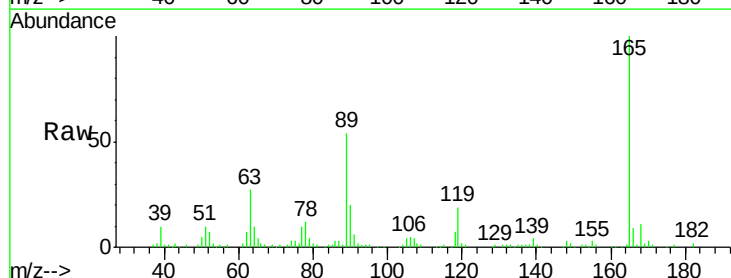
Ion Ratio Lower Upper

165 100

63 27.0 26.5 39.7

89 53.7 46.4 69.6

182 2.4 2.0 3.0

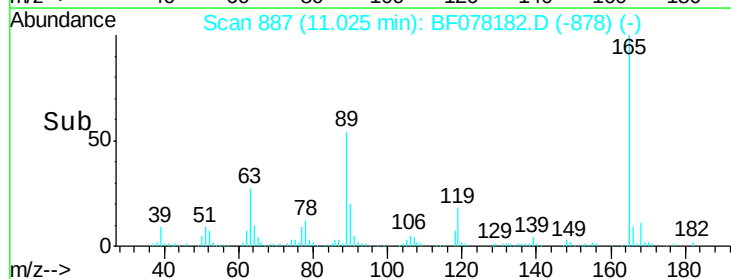
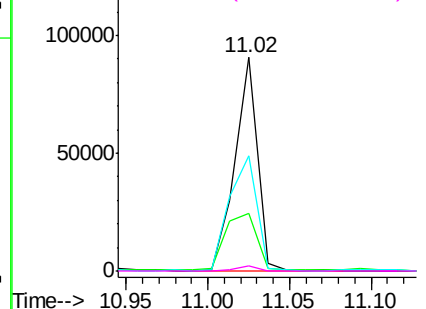


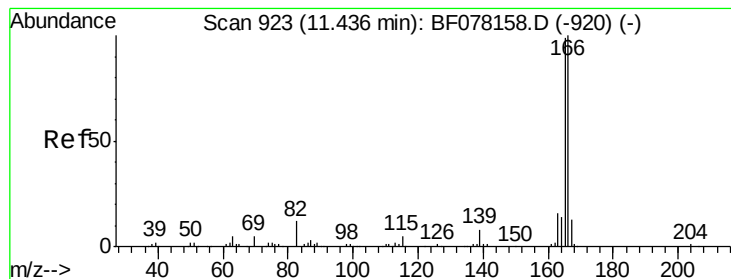
Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.53 ng

RT: 11.44 min Scan# 923

Delta R.T. 0.00 min

Lab File: BF078182.D

Acq: 2 Apr 2015 6:32

Instrument :

BNA_F

ClientSampleId :

DCW-WW-105-33015

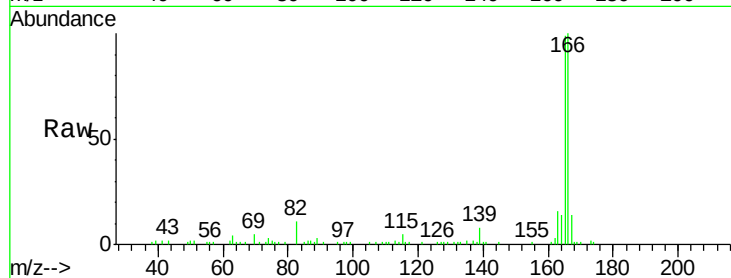
Tot Ion:166 Resp: 56039

Ion Ratio Lower Upper

166 100

165 98.7 78.9 118.3

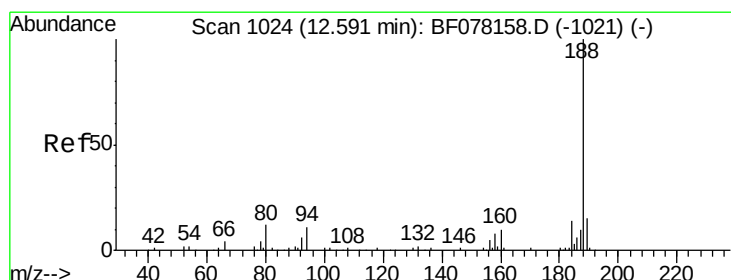
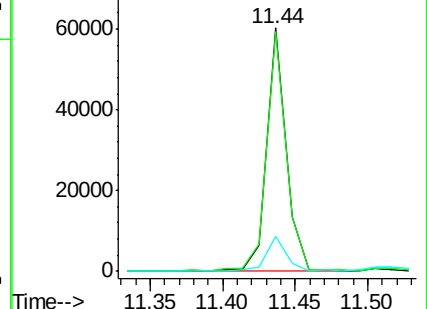
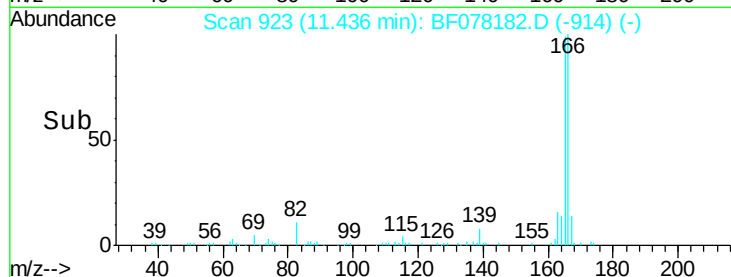
167 14.3 10.7 16.1



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: BF078182.D

Acq: 2 Apr 2015 6:32

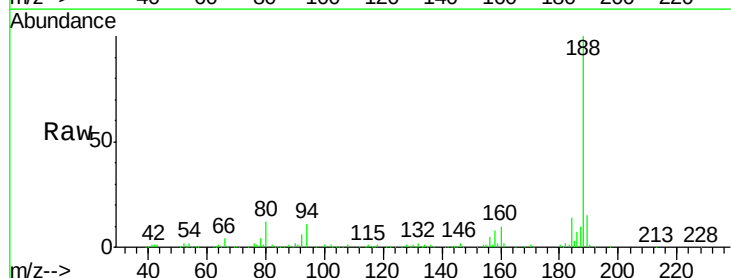
Tgt Ion:188 Resp: 136035

Ion Ratio Lower Upper

188 100

94 11.1 9.0 13.4

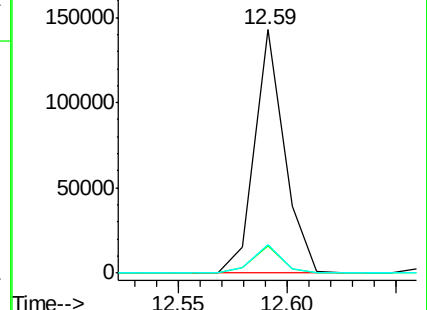
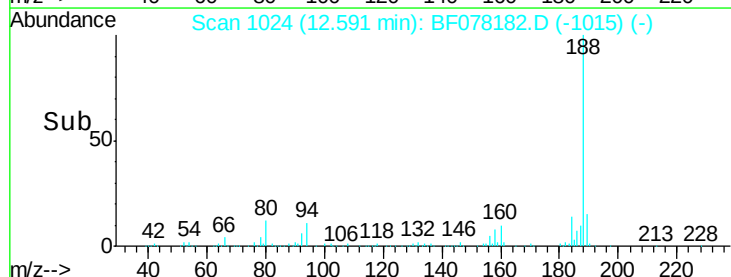
80 11.7 9.5 14.3

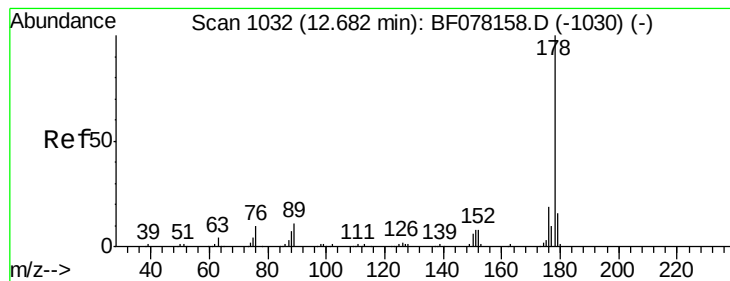


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#71

Anthracene

Concen: 2.58 ng

RT: 12.68 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF078182.D

Acq: 2 Apr 2015 6:32

Instrument :

BNA_F

ClientSampleId :

DCW-WW-105-33015

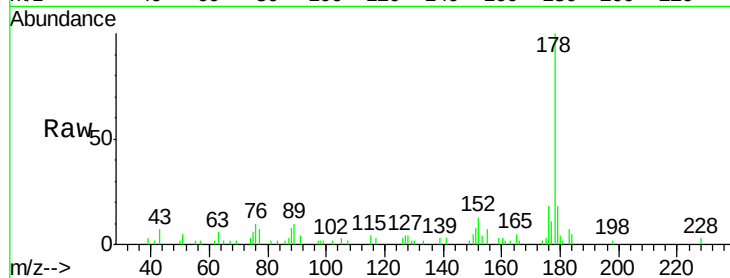
Tot Ion:178 Resp: 19988

Ion Ratio Lower Upper

178 100

176 17.8 14.8 22.2

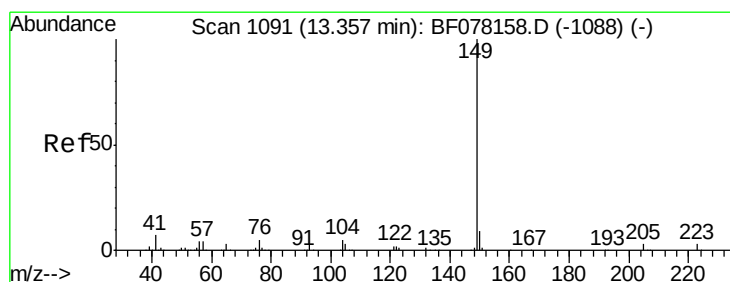
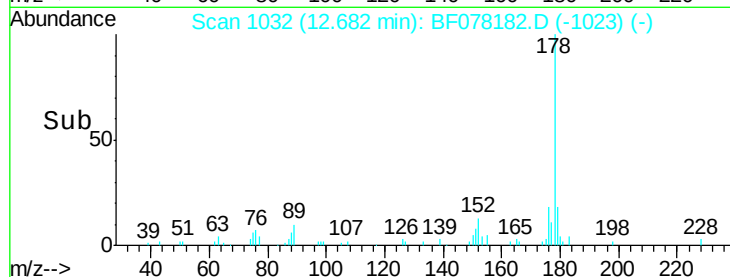
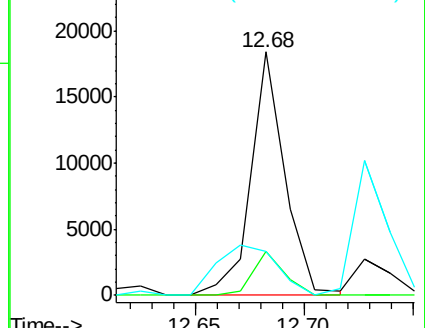
179 18.2 12.4 18.6



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: 36.86 ng

RT: 13.36 min Scan# 1091

Delta R.T. 0.00 min

Lab File: BF078182.D

Acq: 2 Apr 2015 6:32

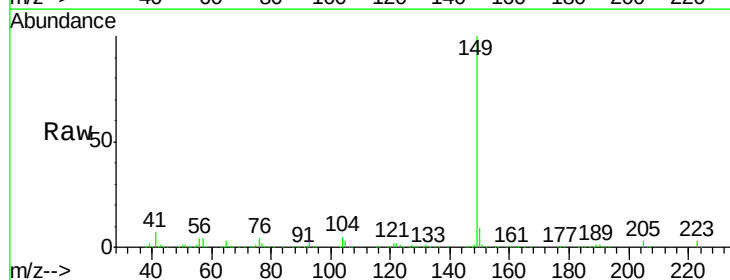
Tgt Ion:149 Resp: 303413

Ion Ratio Lower Upper

149 100

150 9.1 7.1 10.7

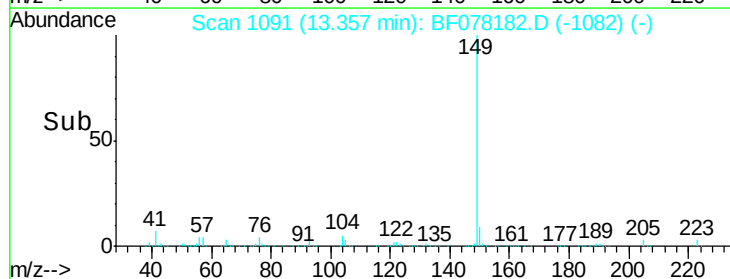
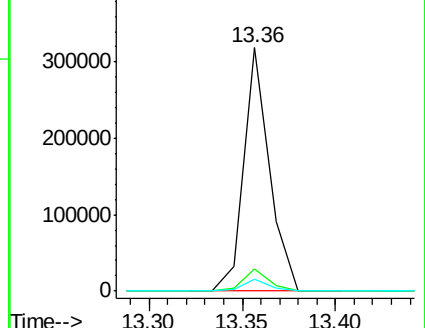
104 4.7 3.8 5.6

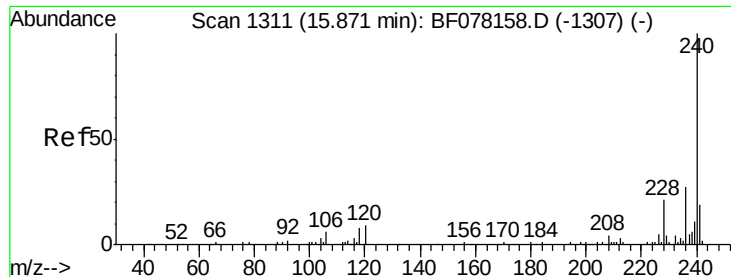


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

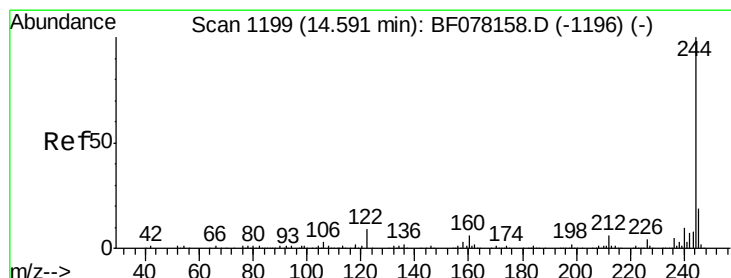
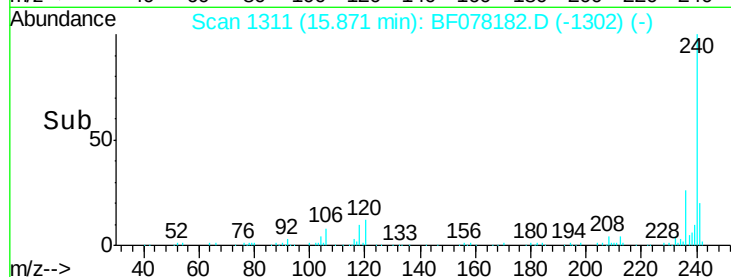
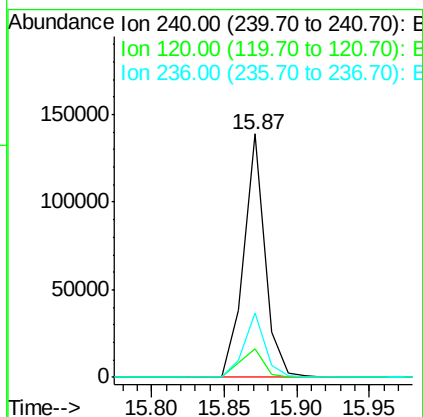
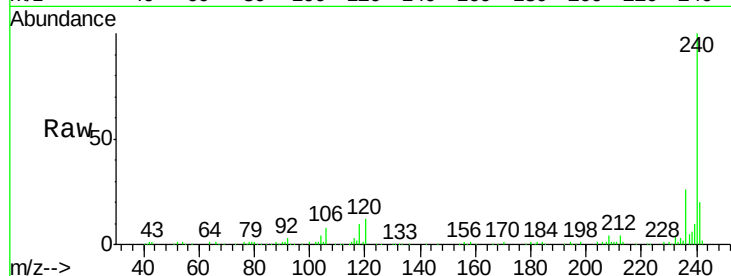




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 15.87 min Scan# 1311
 Delta R.T. 0.00 min
 Lab File: BF078182.D
 Acq: 2 Apr 2015 6:32

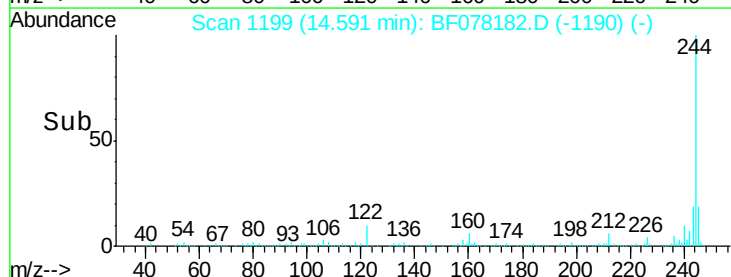
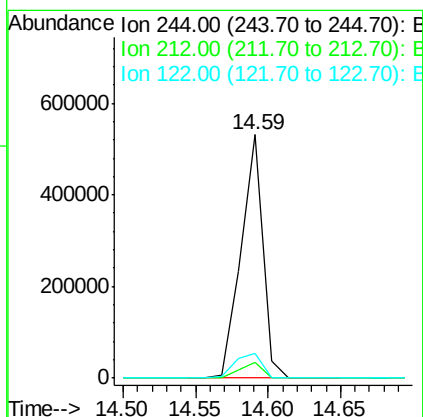
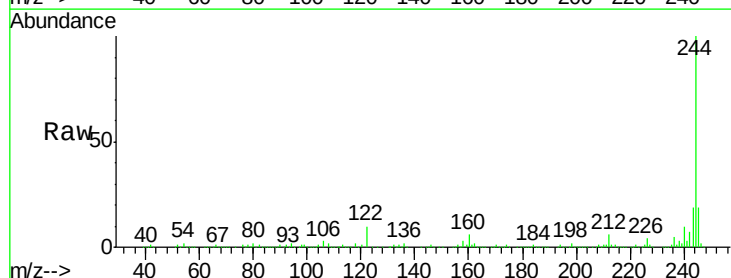
Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-105-33015

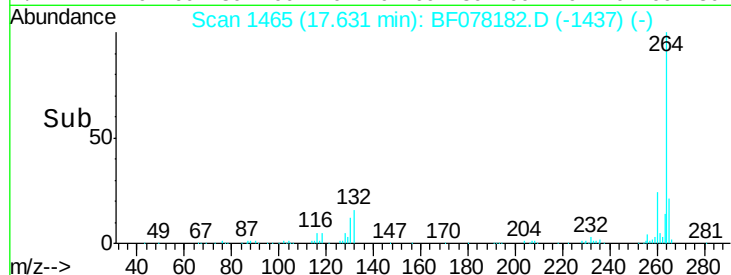
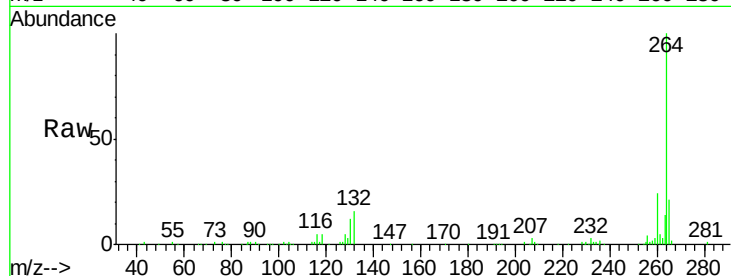
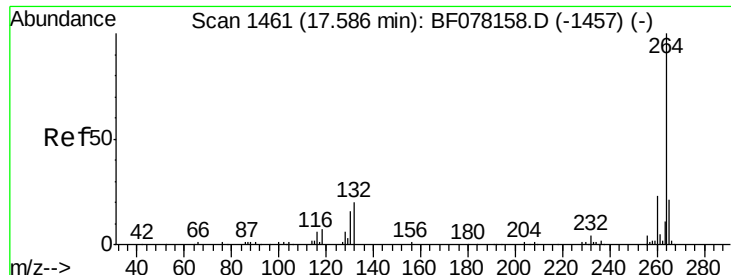
Tot Ion:240 Resp: 142610
 Ion Ratio Lower Upper
 240 100
 120 11.6 7.1 10.7#
 236 26.2 21.4 32.2



#78
 Terphenyl-d14
 Concen: 88.52 ng
 RT: 14.59 min Scan# 1199
 Delta R.T. 0.00 min
 Lab File: BF078182.D
 Acq: 2 Apr 2015 6:32

Tgt Ion:244 Resp: 558680
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.0 7.4
 122 9.9 7.1 10.7





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 17.63 min Scan# 1465
 Delta R.T. 0.02 min
 Lab File: BF078182.D
 Acq: 2 Apr 2015 6:32

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

Tot Ion:	264	Resp:	140240
Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	27.8
265	20.9	17.0	25.6

