

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040615\
 Data File : BF078287.D
 Acq On : 7 Apr 2015 7:02
 Operator : TP/IZ
 Sample : G1760-01
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WC-065-40115

Quant Time: Apr 07 07:07:02 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 07 04:11:17 2015
 Response via : Initial Calibration

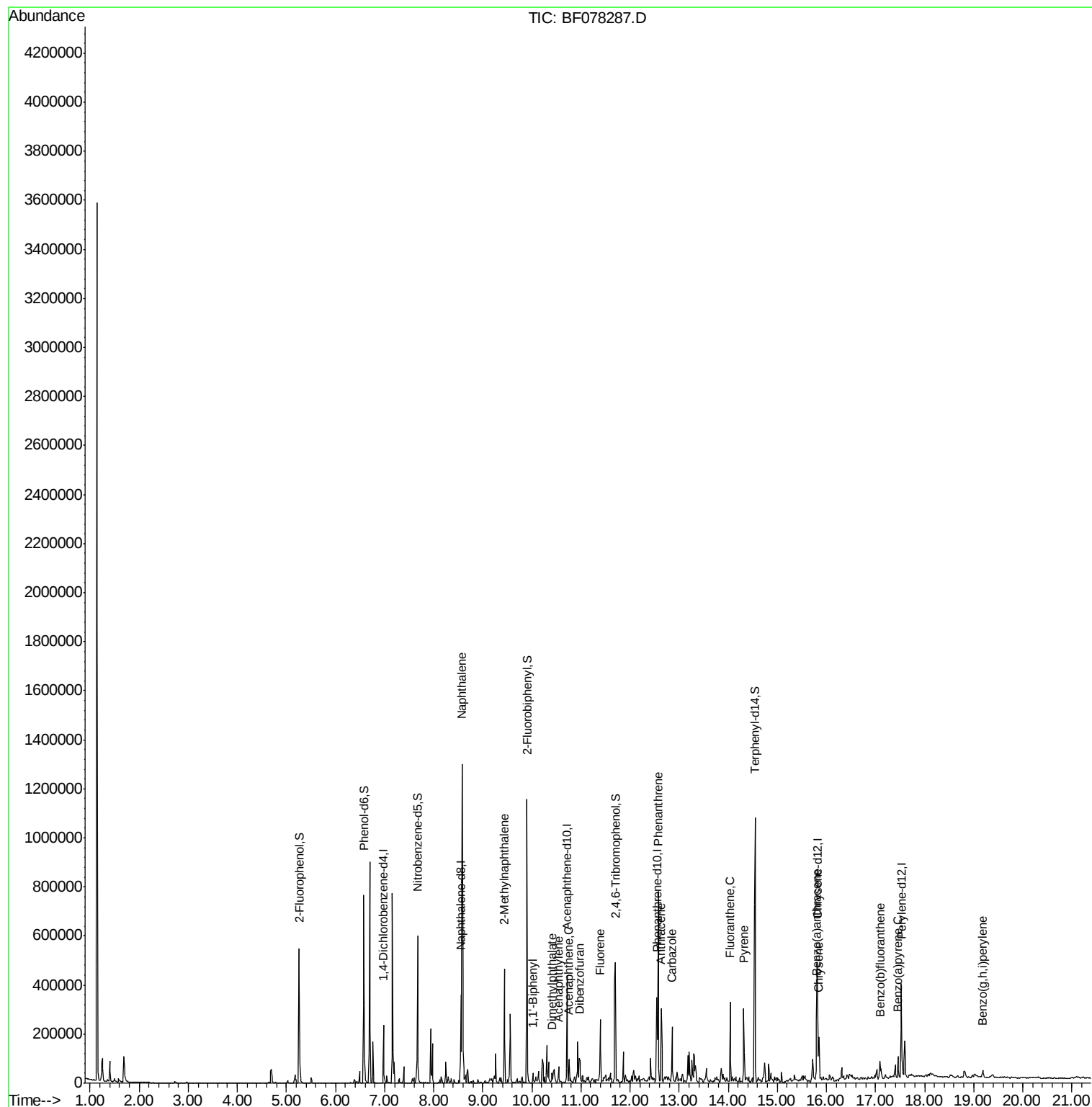
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	39101	20.00	ng	0.00
21) Naphthalene-d8	8.56	136	160775	20.00	ng	0.00
38) Acenaphthene-d10	10.72	164	81882	20.00	ng	0.00
63) Phenanthrene-d10	12.54	188	152986	20.00	ng	0.00
75) Chrysene-d12	15.81	240	168161	20.00	ng	0.00
86) Perylene-d12	17.53	264	169099	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	241171	101.69	ng	0.01
7) Phenol-d6	6.58	99	319957	107.65	ng	0.00
23) Nitrobenzene-d5	7.68	82	184221	69.45	ng	0.00
41) 2,4,6-Tribromophenol	11.70	330	74105	109.12	ng	0.00
44) 2-Fluorobiphenyl	9.90	172	403932	70.51	ng	0.00
78) Terphenyl-d14	14.55	244	462938	62.21	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.58	128	618046	73.86	ng	99
37) 2-Methylnaphthalene	9.44	142	140157	24.67	ng	98
45) 1,1'-Biphenyl	10.02	154	14415	2.15	ng	98
48) Acenaphthylene	10.54	152	18558	2.18	ng	# 95
49) Dimethylphthalate	10.42	163	24886	4.05	ng	# 96
51) Acenaphthene	10.75	154	31811	6.64	ng	98
54) Dibenzofuran	10.97	168	39891	5.45	ng	99
57) Fluorene	11.39	166	89469	15.08	ng	99
70) Phenanthrene	12.58	178	312424	35.30	ng	100
71) Anthracene	12.64	178	135929	15.59	ng	99
72) Carbazole	12.85	167	89695	10.98	ng	99
74) Fluoranthene	14.04	202	143760	15.40	ng	96
77) Pvrene	14.32	202	136000	12.88	ng	# 96
80) Benzo(a)anthracene	15.80	228	69553	6.95	ng	93
82) Chrysene	15.85	228	75364	8.02	ng	97
87) Benzo(b)fluoranthene	17.09	252	49248m	4.71	ng	
89) Benzo(a)pvrene	17.46	252	38520	4.22	ng	# 95
91) Benzo(g,h,i)perylene	19.19	276	19239	2.10	ng	94

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.98 min Scan# 533

Delta R.T. -0.00 min

Lab File: BF078287.D

Acq: 7 Apr 2015 7:02

Instrument :

BNA_F

ClientSampleId :

DCW-WC-065-40115

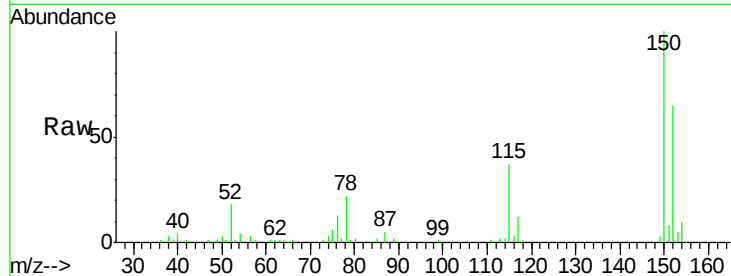
Tot Ion:152 Resp: 39101

Ion Ratio Lower Upper

152 100

150 154.4 125.9 188.9

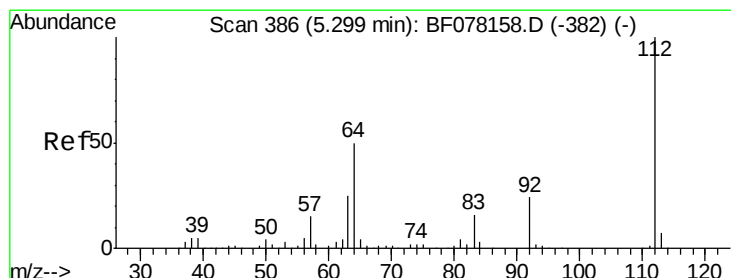
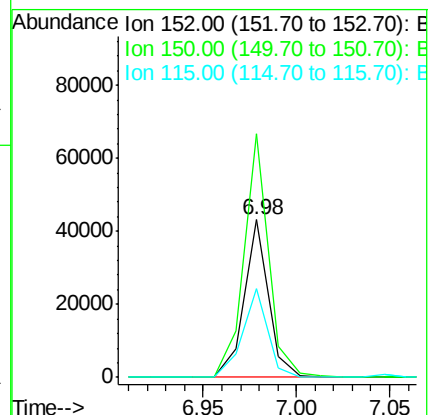
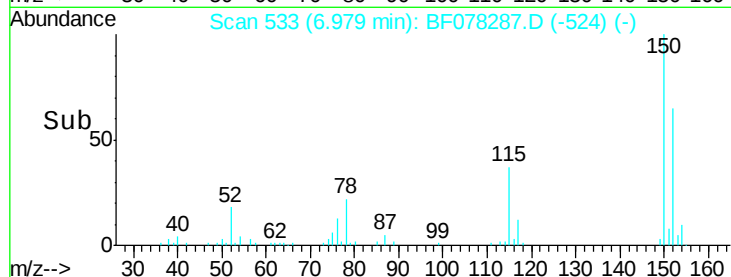
115 56.6 52.7 79.1



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: 101.69 ng

RT: 5.26 min Scan# 383

Delta R.T. 0.01 min

Lab File: BF078287.D

Acq: 7 Apr 2015 7:02

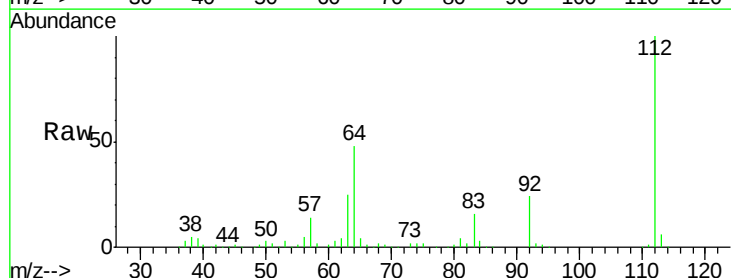
Tgt Ion:112 Resp: 241171

Ion Ratio Lower Upper

112 100

64 48.2 39.9 59.9

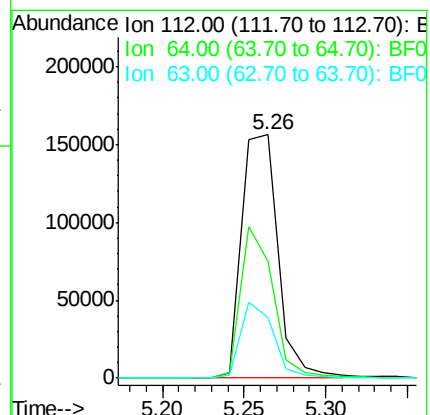
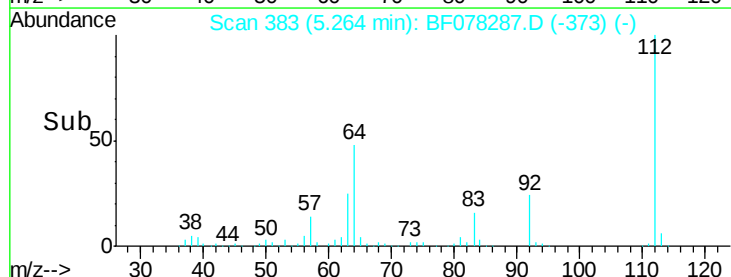
63 24.7 20.2 30.4

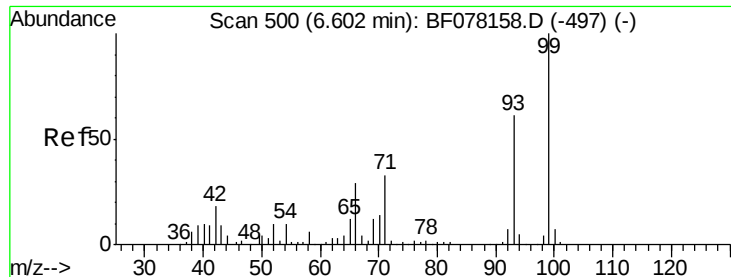


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 107.65 ng

RT: 6.58 min Scan# 498

Delta R.T. -0.00 min

Lab File: BF078287.D

Acq: 7 Apr 2015 7:02

Instrument :

BNA_F

ClientSampleId :

DCW-WC-065-40115

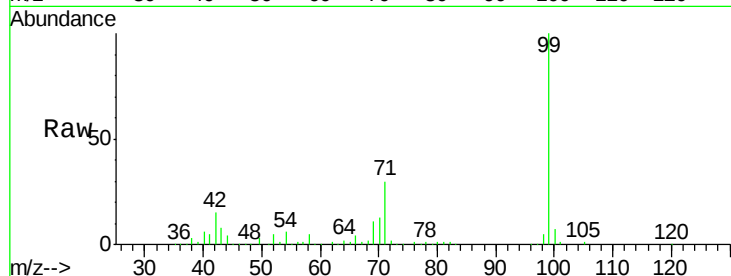
Tot Ion: 99 Resp: 319957

Ion Ratio Lower Upper

99 100

42 15.1 14.8 22.2

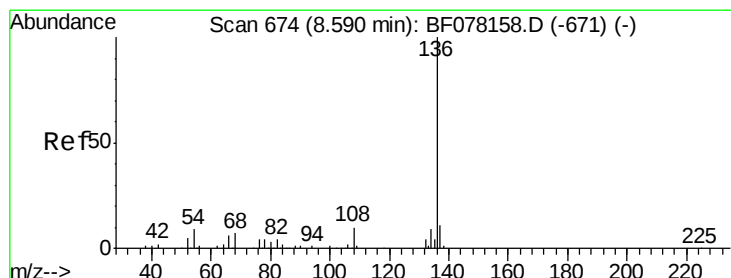
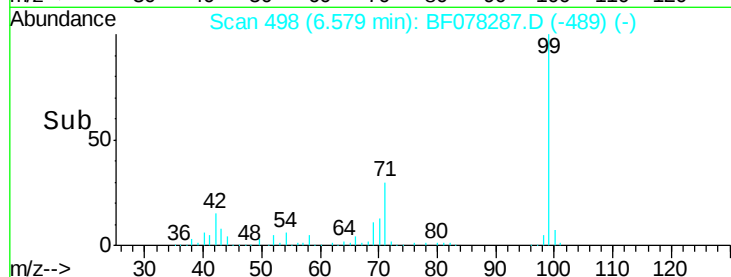
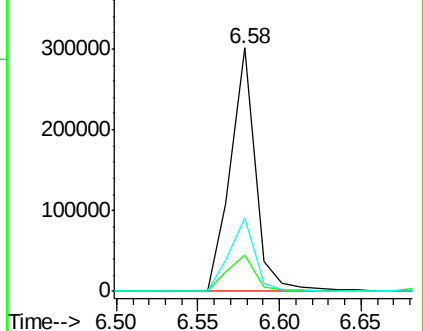
71 30.1 26.6 39.8



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.56 min Scan# 671

Delta R.T. -0.00 min

Lab File: BF078287.D

Acq: 7 Apr 2015 7:02

Tgt Ion: 136 Resp: 160775

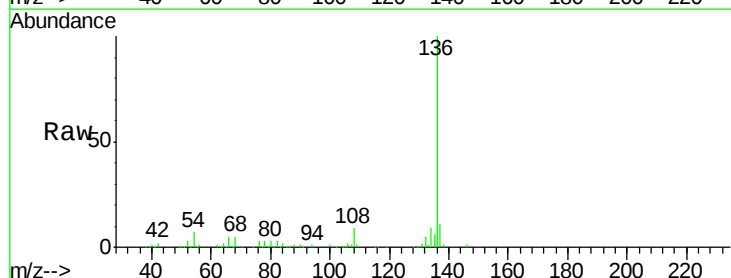
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 6.6 7.0 10.6#

68 5.5 5.4 8.2

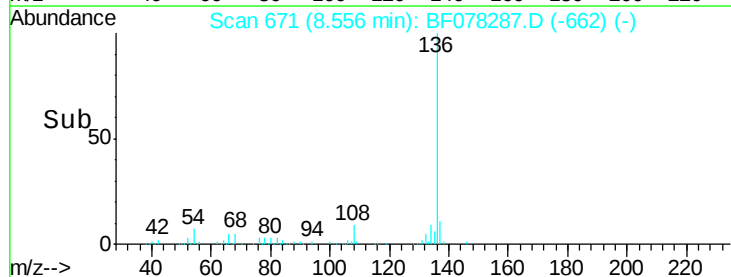
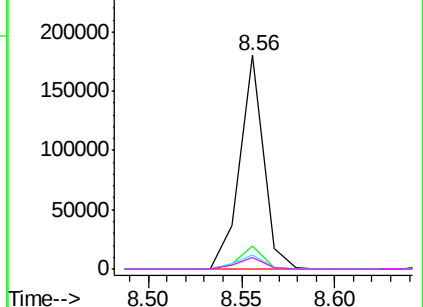


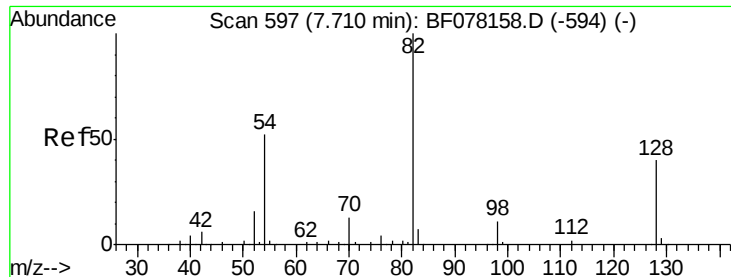
Abundance Ion 136.00 (135.70 to 136.70): E

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

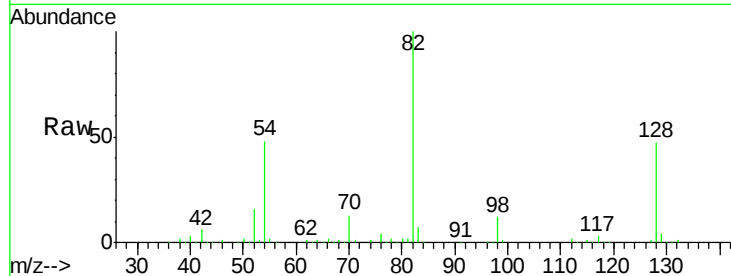




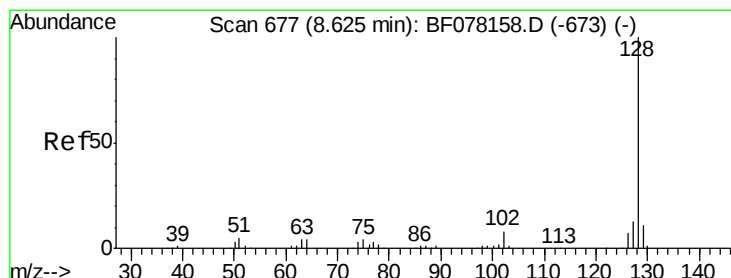
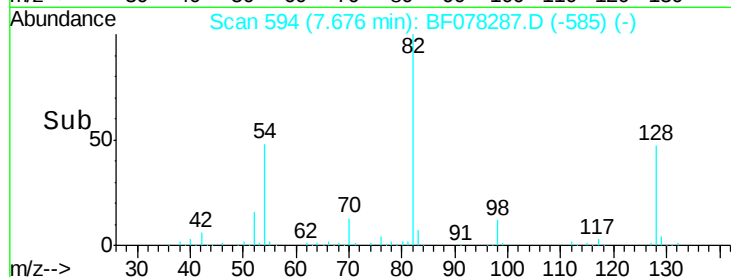
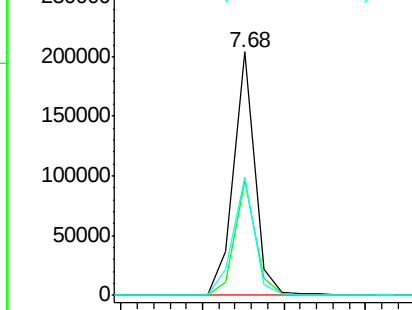
#23
Nitrobenzene-d5
Concen: 69.45 ng
RT: 7.68 min Scan# 594
Delta R.T. -0.00 min
Lab File: BF078287.D
Acq: 7 Apr 2015 7:02

Instrument :
BNA_F
ClientSampleId :
DCW-WC-065-40115

Tot Ion: 82 Resp: 184221
Ion Ratio Lower Upper
82 100
128 47.1 31.8 47.8
54 48.3 41.5 62.3

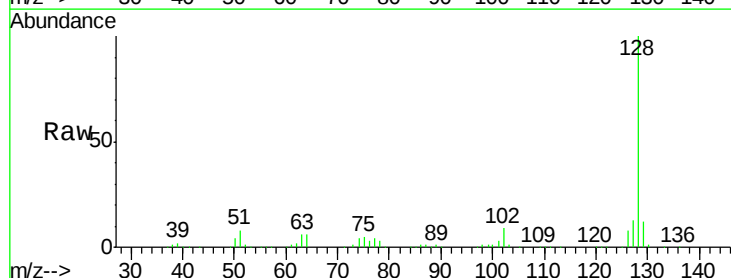


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

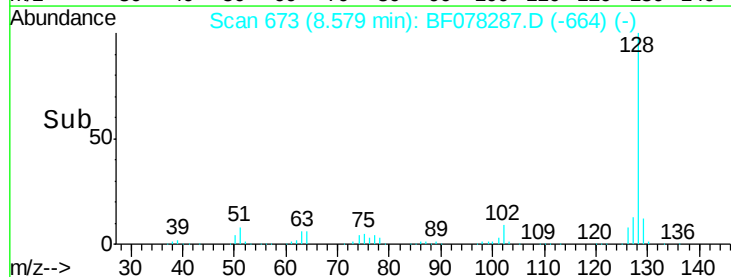
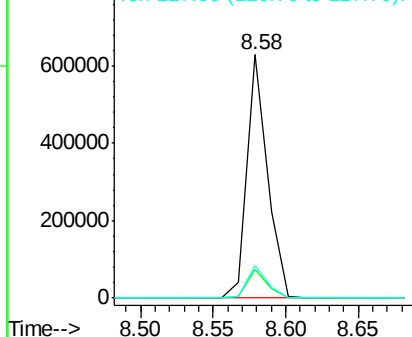


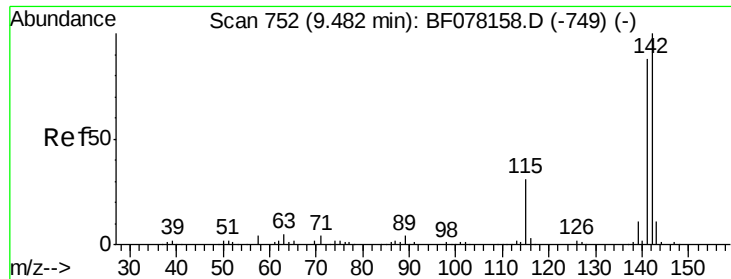
#31
Naphthalene
Concen: 73.86 ng
RT: 8.58 min Scan# 673
Delta R.T. -0.00 min
Lab File: BF078287.D
Acq: 7 Apr 2015 7:02

Tgt Ion:128 Resp: 618046
Ion Ratio Lower Upper
128 100
129 11.6 8.6 12.8
127 13.4 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

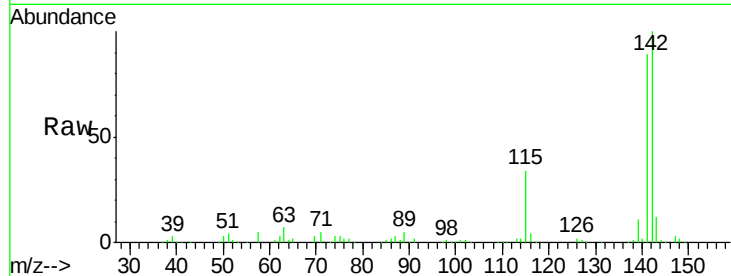




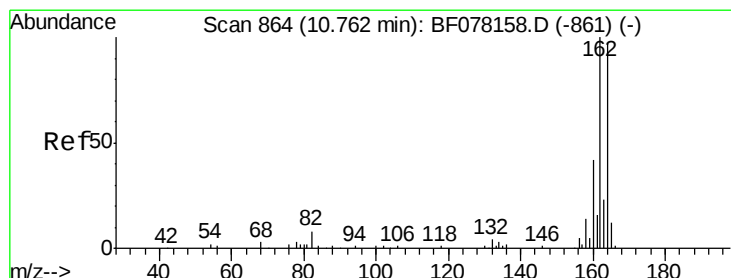
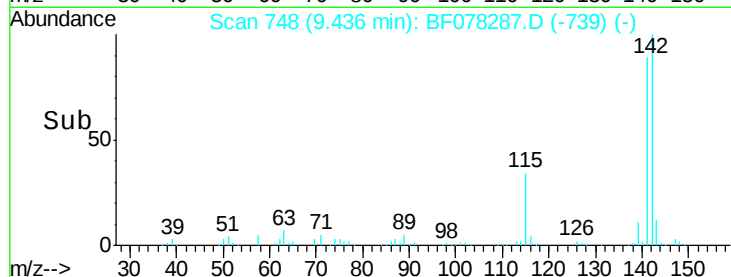
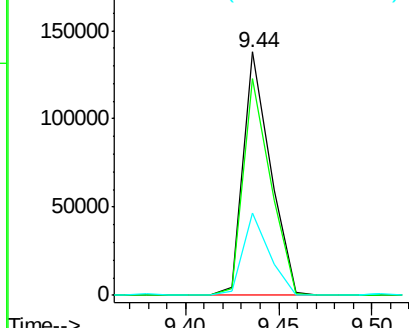
#37
 2-Methylnaphthalene
 Concen: 24.67 ng
 RT: 9.44 min Scan# 748
 Delta R.T. -0.00 min
 Lab File: BF078287.D
 Acq: 7 Apr 2015 7:02

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WC-065-40115

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.2	70.3	105.5
115	33.8	24.6	37.0

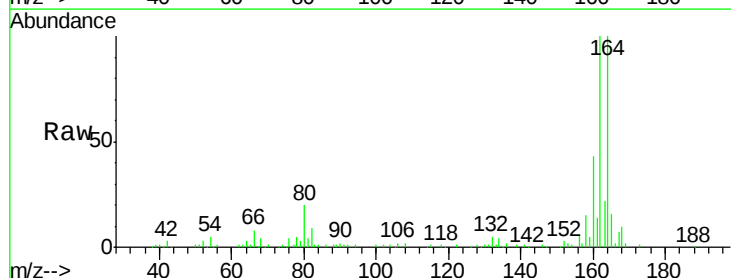


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

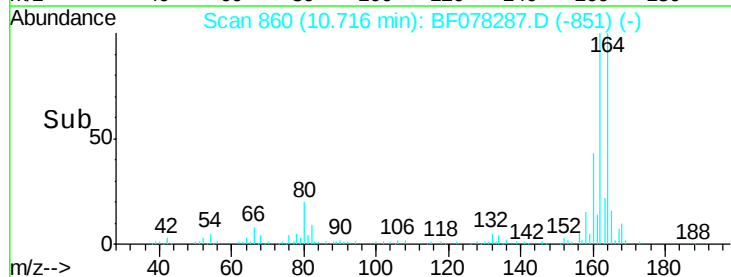
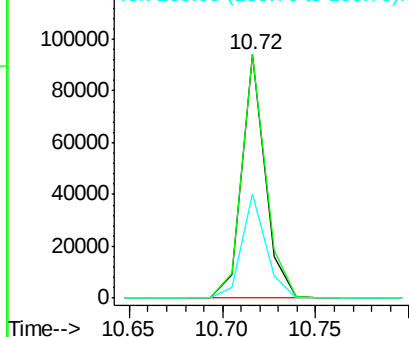


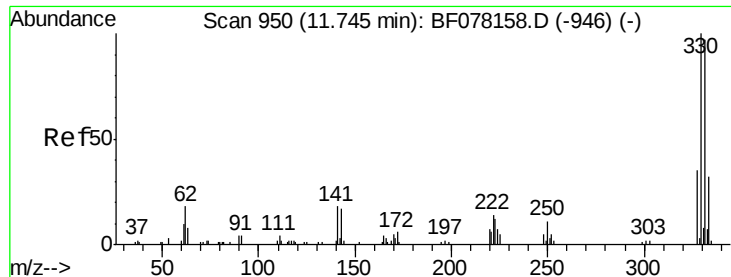
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.72 min Scan# 860
 Delta R.T. -0.00 min
 Lab File: BF078287.D
 Acq: 7 Apr 2015 7:02

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.1	82.2	123.2
160	42.7	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

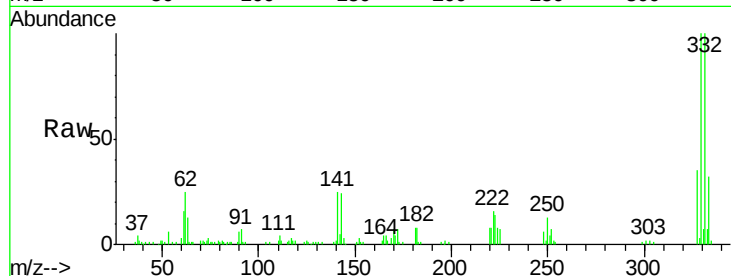




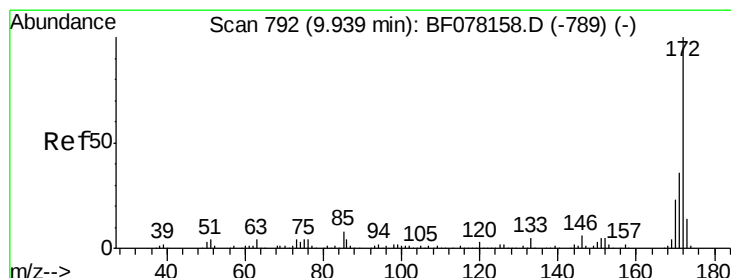
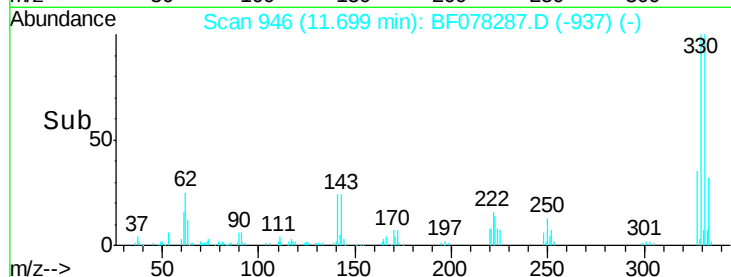
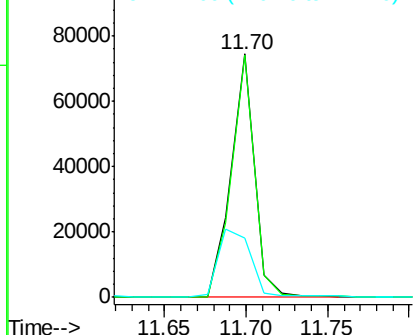
#41
 2,4,6-Tribromophenol
 Concen: 109.12 ng
 RT: 11.70 min Scan# 946
 Delta R.T. -0.00 min
 Lab File: BF078287.D
 Acq: 7 Apr 2015 7:02

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WC-065-40115

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.6	78.6	117.8
141	39.8	31.2	46.8

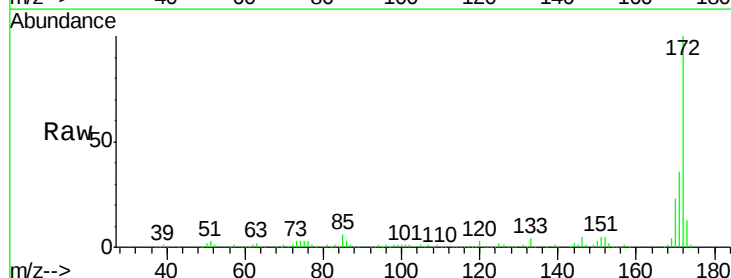


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

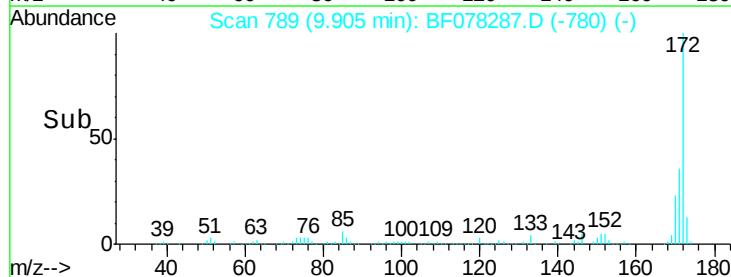
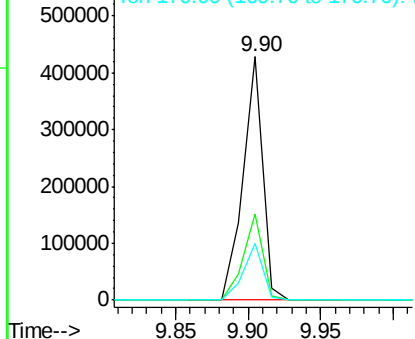


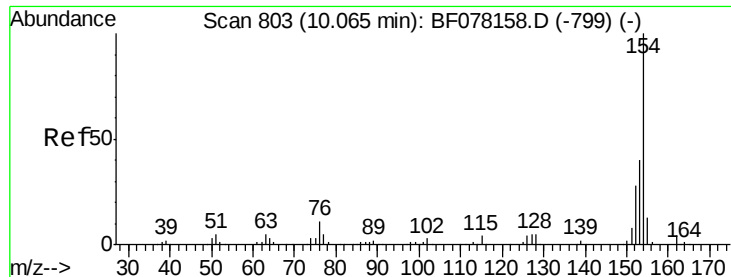
#44
 2-Fluorobiphenyl
 Concen: 70.51 ng
 RT: 9.90 min Scan# 789
 Delta R.T. -0.00 min
 Lab File: BF078287.D
 Acq: 7 Apr 2015 7:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	42.8
170	23.3	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





#45

1,1'-Biphenyl

Concen: 2.15 ng

RT: 10.02 min Scan# 799

Delta R.T. -0.00 min

Lab File: BF078287.D

Acq: 7 Apr 2015 7:02

Instrument :

BNA_F

ClientSampleId :

DCW-WC-065-40115

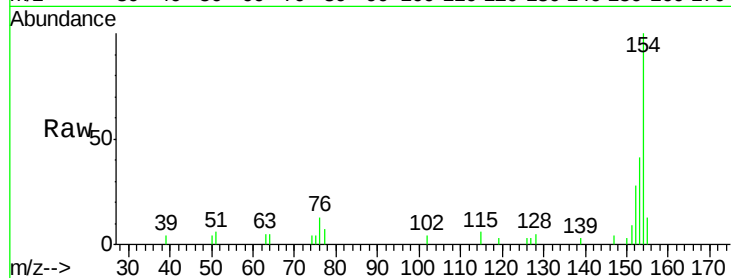
Tot Ion:154 Resp: 14415

Ion Ratio Lower Upper

154 100

153 40.6 20.0 60.0

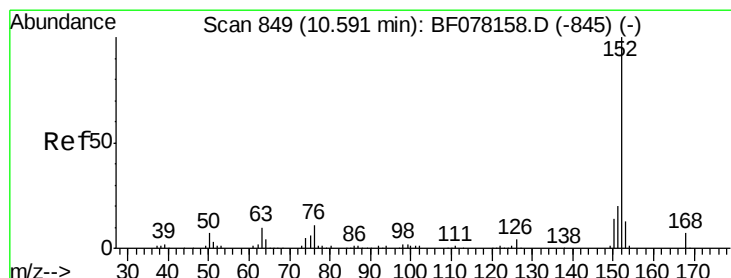
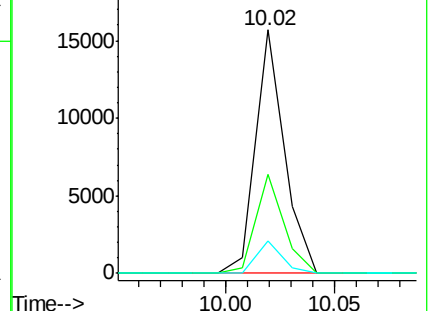
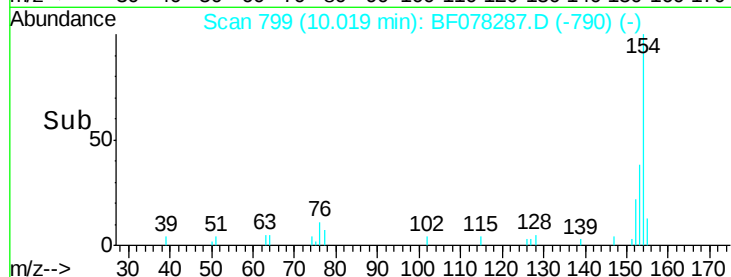
76 13.3 0.0 30.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#48

Acenaphthylene

Concen: 2.18 ng

RT: 10.54 min Scan# 845

Delta R.T. -0.00 min

Lab File: BF078287.D

Acq: 7 Apr 2015 7:02

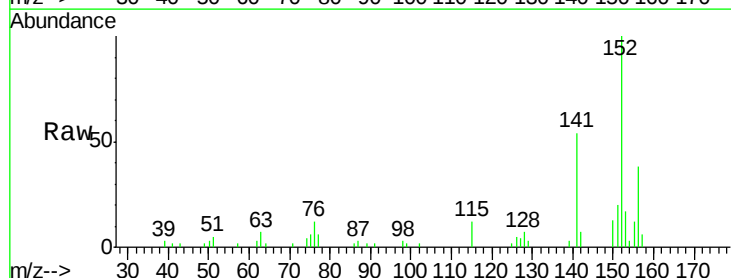
Tgt Ion:152 Resp: 18558

Ion Ratio Lower Upper

152 100

151 20.3 15.7 23.5

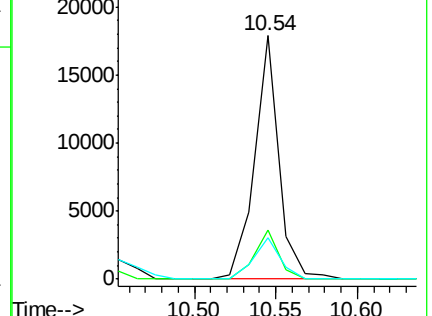
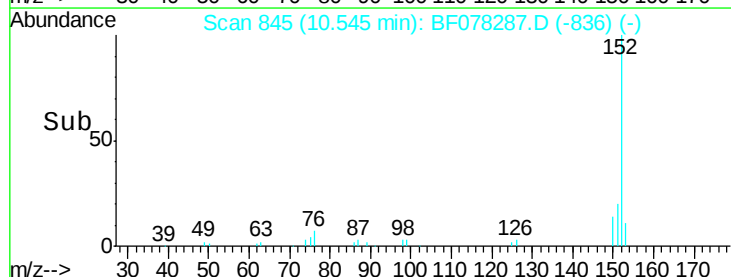
153 16.9 10.2 15.2#

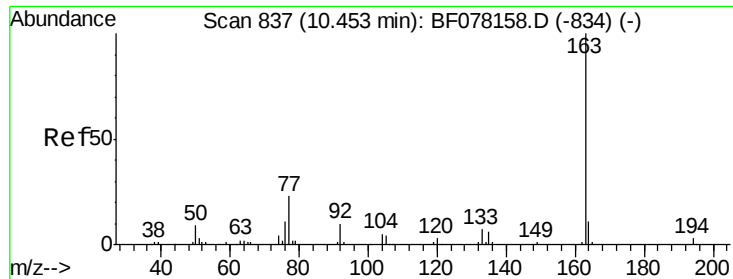


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

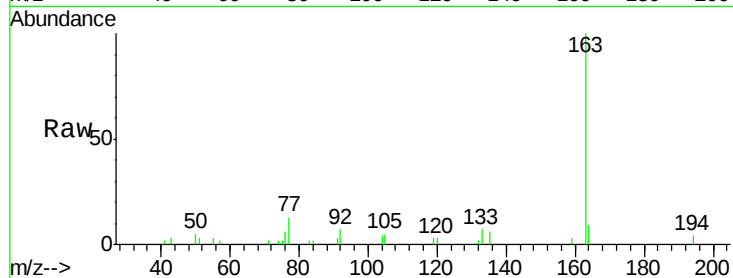




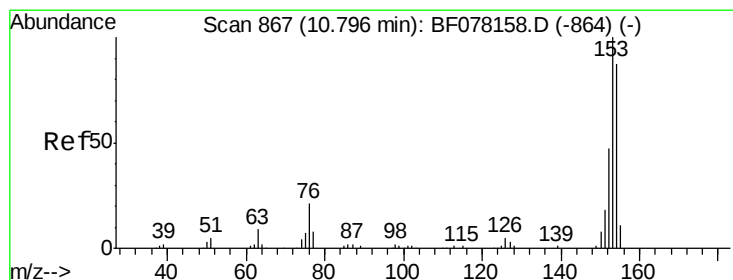
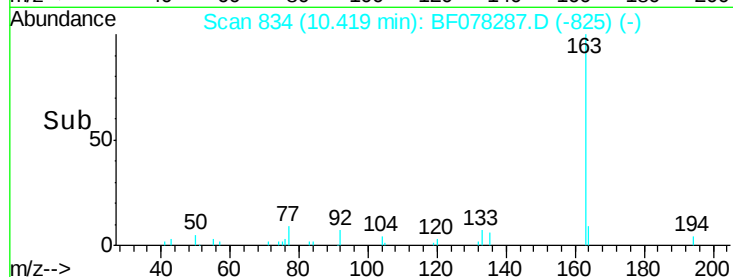
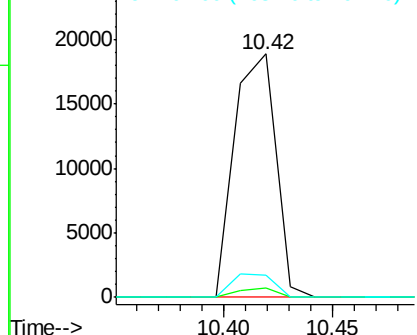
#49
Dimethylphthalate
Concen: 4.05 ng
RT: 10.42 min Scan# 834
Delta R.T. -0.00 min
Lab File: BF078287.D
Acq: 7 Apr 2015 7:02

Instrument :
BNA_F
ClientSampleId :
DCW-WC-065-40115

Tot Ion:163 Resp: 24886
Ion Ratio Lower Upper
163 100
194 3.9 2.3 3.5#
164 9.3 8.6 13.0

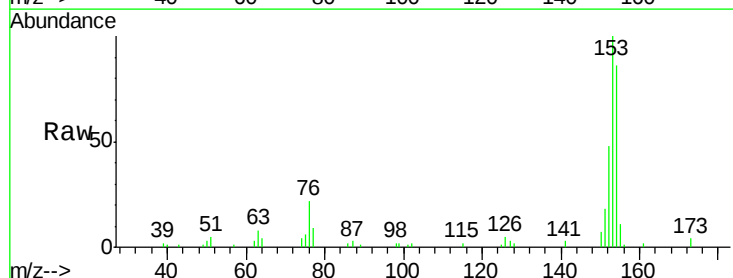


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

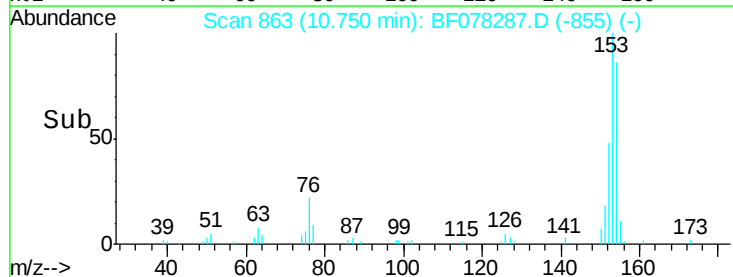
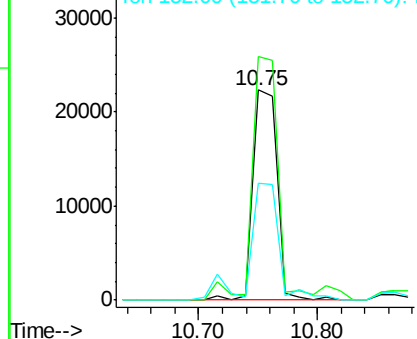


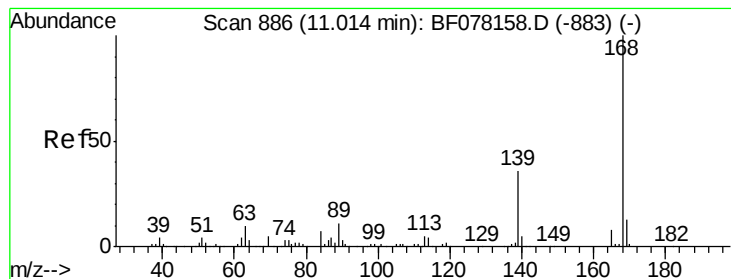
#51
Acenaphthene
Concen: 6.64 ng
RT: 10.75 min Scan# 863
Delta R.T. -0.01 min
Lab File: BF078287.D
Acq: 7 Apr 2015 7:02

Tgt Ion:154 Resp: 31811
Ion Ratio Lower Upper
154 100
153 116.1 91.4 137.2
152 55.6 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: 5.45 ng

RT: 10.97 min Scan# 882

Delta R.T. -0.00 min

Lab File: BF078287.D

Acq: 7 Apr 2015 7:02

Instrument :

BNA_F

ClientSampleId :

DCW-WC-065-40115

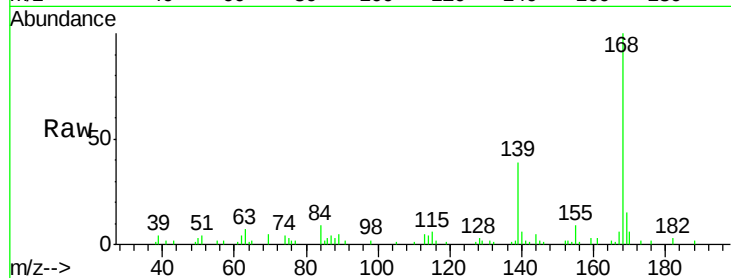
Tot Ion:168 Resp: 39891

Ion Ratio Lower Upper

168 100

139 38.7 31.0 46.4

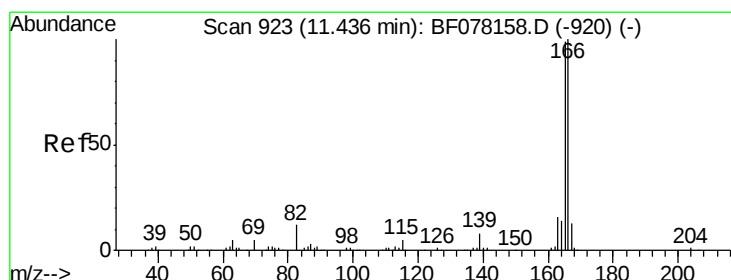
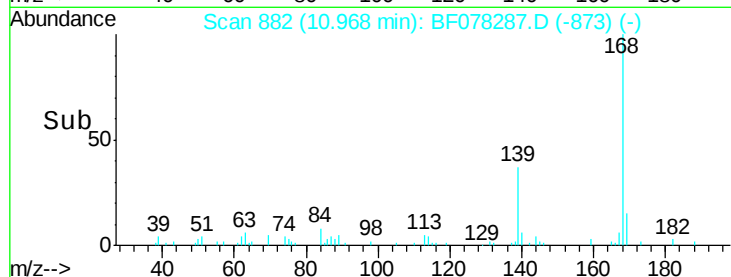
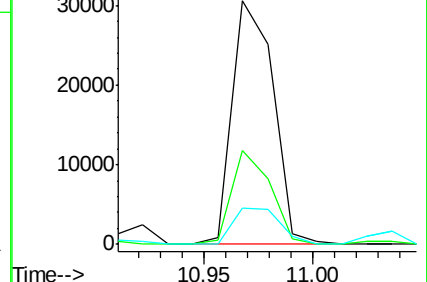
169 14.8 10.7 16.1



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



#57

Fluorene

Concen: 15.08 ng

RT: 11.39 min Scan# 919

Delta R.T. -0.00 min

Lab File: BF078287.D

Acq: 7 Apr 2015 7:02

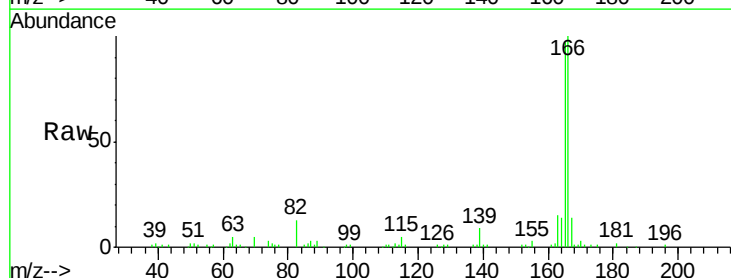
Tgt Ion:166 Resp: 89469

Ion Ratio Lower Upper

166 100

165 97.3 78.9 118.3

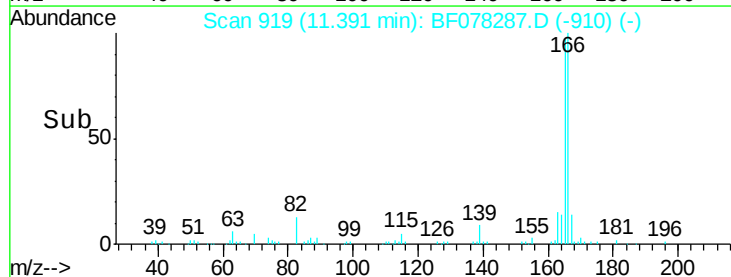
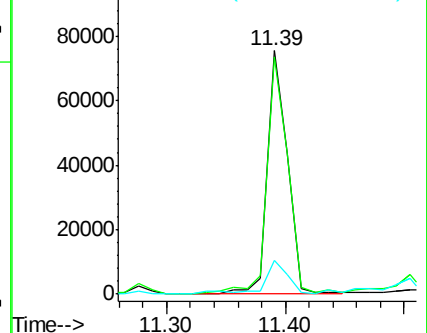
167 14.0 10.7 16.1

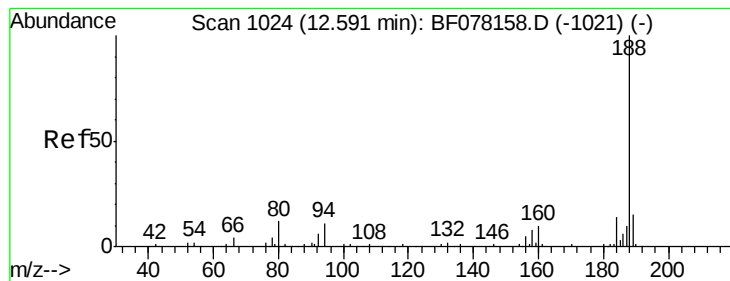


Abundance Ion 166.00 (165.70 to 166.70): E

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: 12.54 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BF078287.D

Acq: 7 Apr 2015 7:02

Instrument :

BNA_F

ClientSampleId :

DCW-WC-065-40115

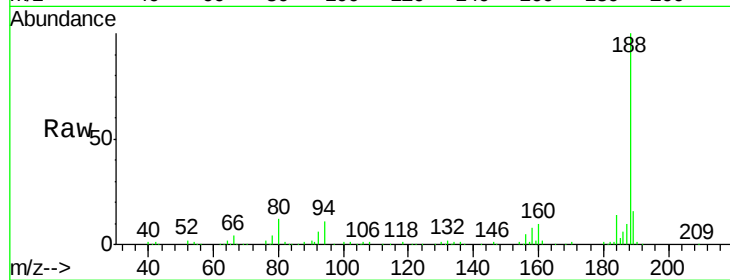
Tot Ion:188 Resp: 152986

Ion Ratio Lower Upper

188 100

94 11.2 9.0 13.4

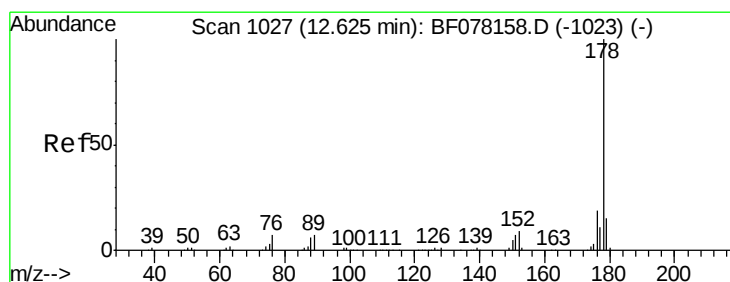
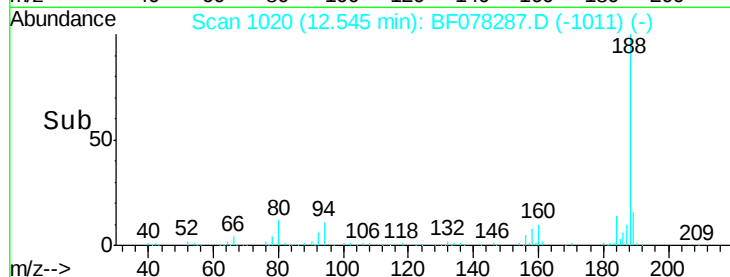
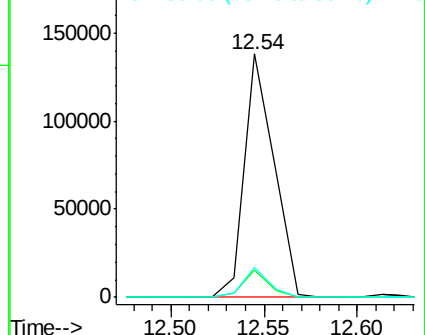
80 12.0 9.5 14.3



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



#70

Phenanthrene

Concen: 35.30 ng

RT: 12.58 min Scan# 1023

Delta R.T. -0.00 min

Lab File: BF078287.D

Acq: 7 Apr 2015 7:02

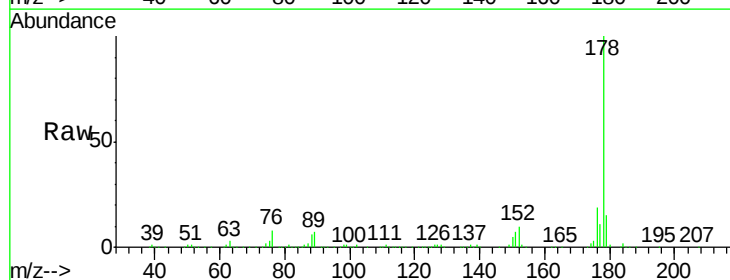
Tgt Ion:178 Resp: 312424

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.0

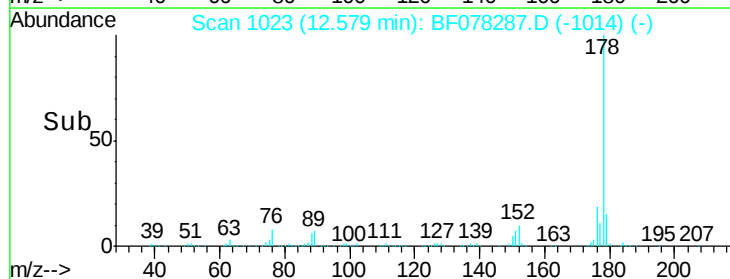
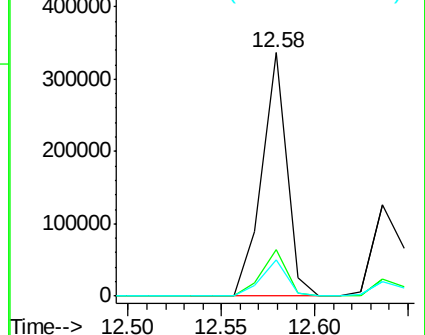
179 15.1 12.2 18.2

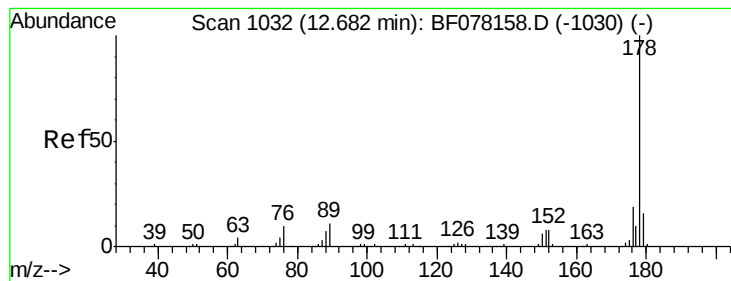


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 15.59 ng

RT: 12.64 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF078287.D

Acq: 7 Apr 2015 7:02

Instrument :

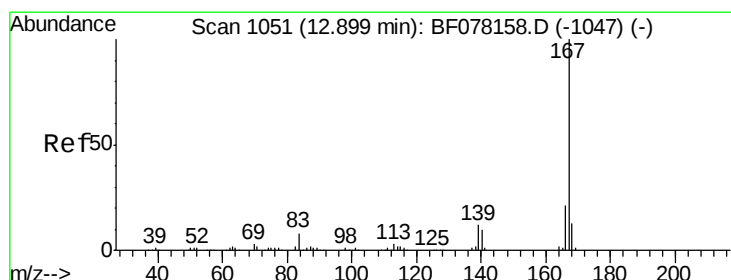
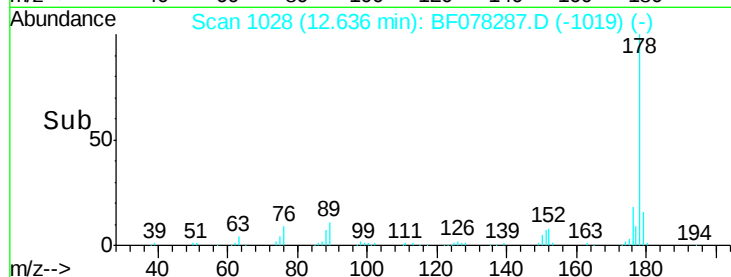
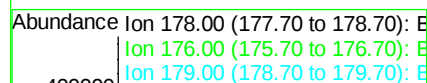
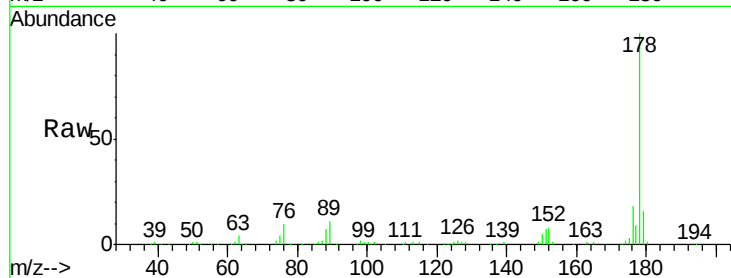
BNA_F

ClientSampleId :

DCW-WC-065-40115

Tot Ion:178 Resp: 135929

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.8	22.2
179	16.1	12.4	18.6



#72

Carbazole

Concen: 10.98 ng

RT: 12.85 min Scan# 1047

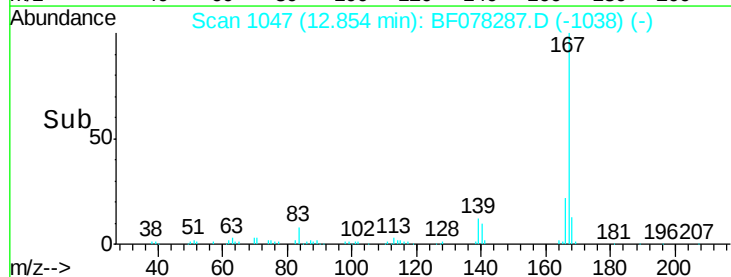
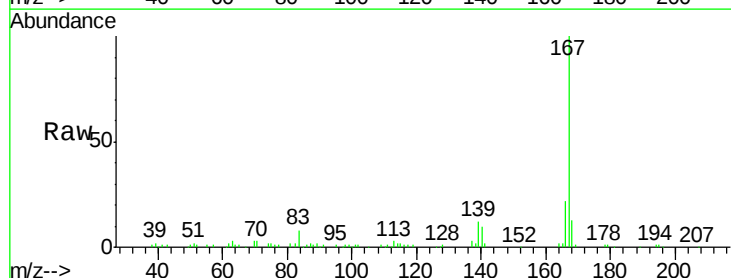
Delta R.T. -0.00 min

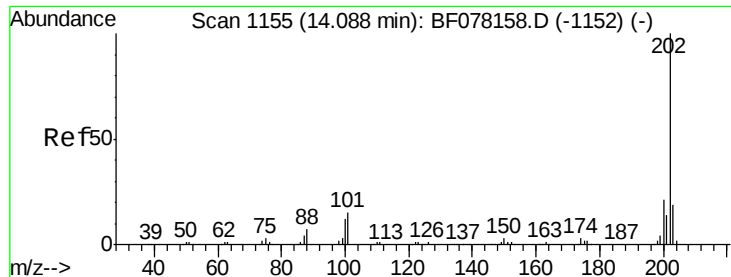
Lab File: BF078287.D

Acq: 7 Apr 2015 7:02

Tgt Ion:167 Resp: 89695

Ion	Ratio	Lower	Upper
167	100		
166	21.5	16.8	25.2
139	12.4	10.0	15.0

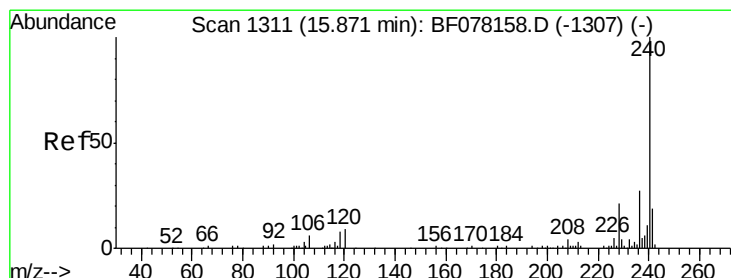
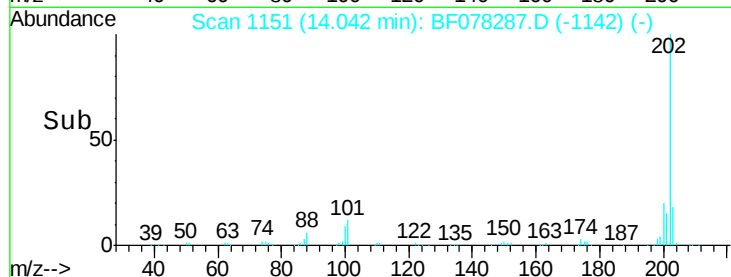
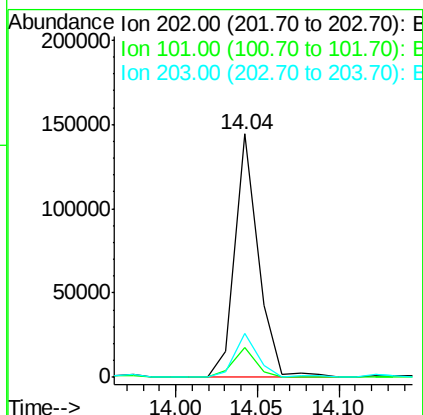
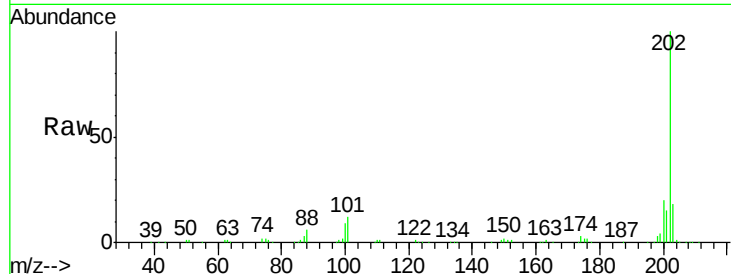




#74
 Fluoranthene
 Concen: 15.40 ng
 RT: 14.04 min Scan# 1151
 Delta R.T. -0.00 min
 Lab File: BF078287.D
 Acq: 7 Apr 2015 7:02

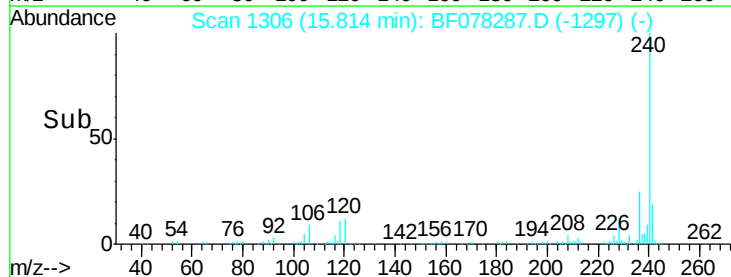
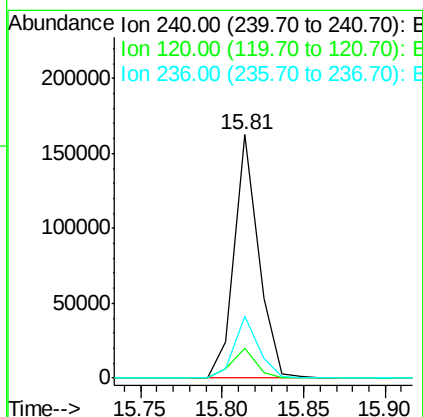
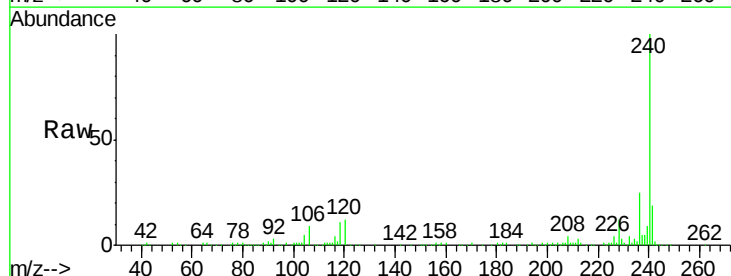
Instrument :
 BNA_F
 ClientSampleId :
 DCW-WC-065-40115

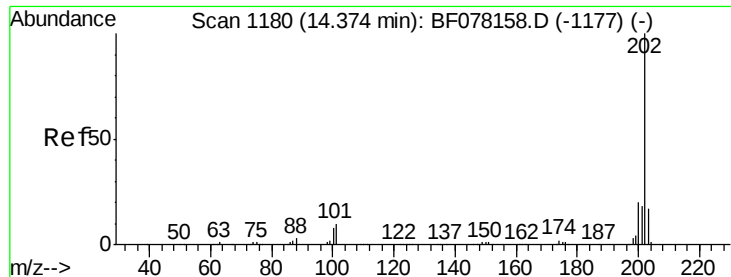
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	35.2
203	17.8	0.0	38.5



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 15.81 min Scan# 1306
 Delta R.T. -0.00 min
 Lab File: BF078287.D
 Acq: 7 Apr 2015 7:02

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.2	7.1	10.7#
236	25.4	21.4	32.2





#77

Pvrene

Concen: 12.88 ng

RT: 14.32 min Scan# 1175

Delta R.T. -0.00 min

Lab File: BF078287.D

Acq: 7 Apr 2015 7:02

Instrument :

BNA_F

ClientSampleId :

DCW-WC-065-40115

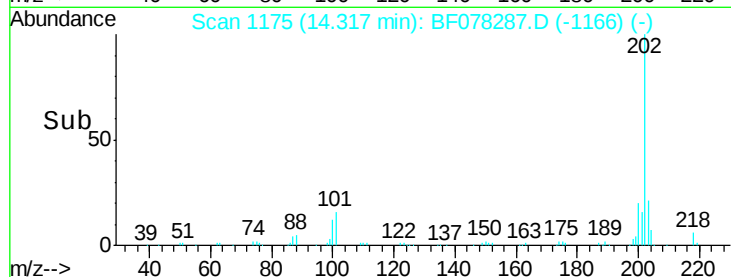
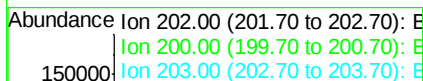
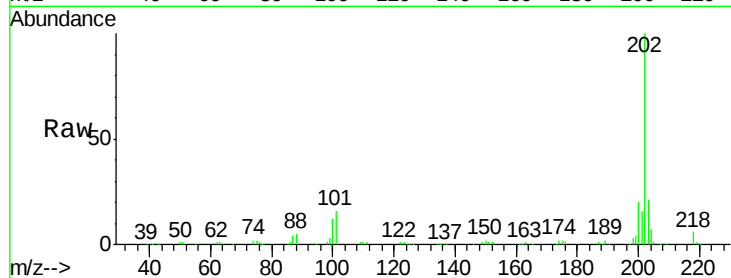
Tot Ion:202 Resp: 136000

Ion Ratio Lower Upper

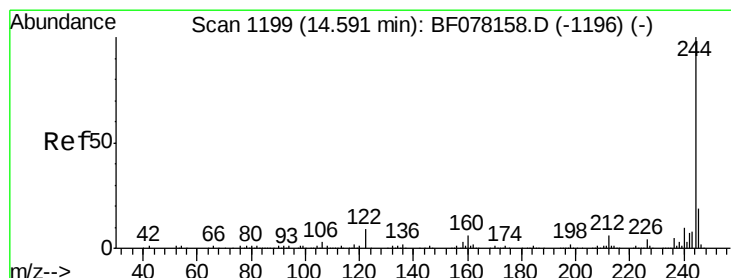
202 100

200 20.3 16.3 24.5

203 21.2 13.8 20.6#



Time-->



#78

Terphenyl-d14

Concen: 62.21 ng

RT: 14.55 min Scan# 1195

Delta R.T. -0.00 min

Lab File: BF078287.D

Acq: 7 Apr 2015 7:02

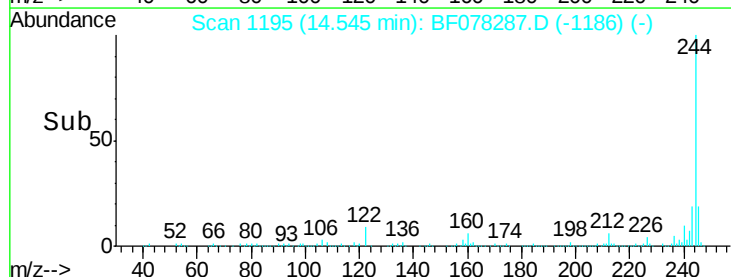
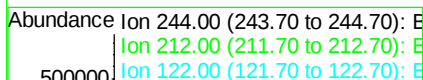
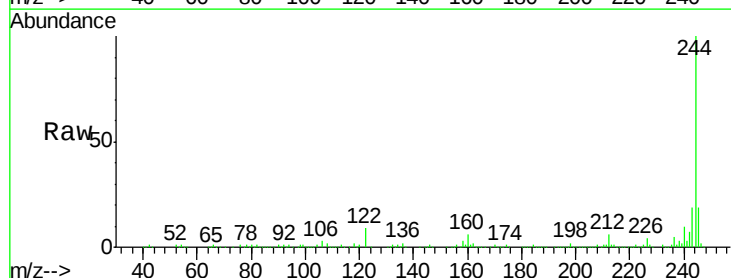
Tgt Ion:244 Resp: 462938

Ion Ratio Lower Upper

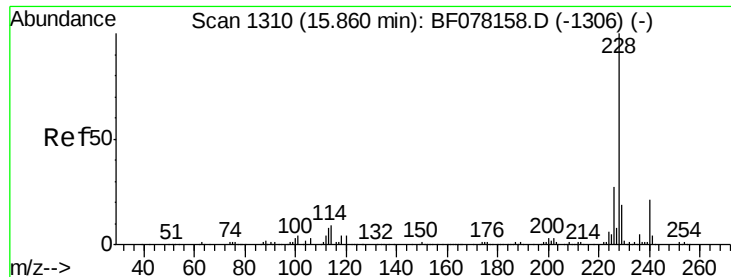
244 100

212 6.2 5.0 7.4

122 8.9 7.1 10.7



Time-->



#80

Benzo(a)anthracene

Concen: 6.95 ng

RT: 15.80 min Scan# 1305

Delta R.T. -0.00 min

Lab File: BF078287.D

Acq: 7 Apr 2015 7:02

Instrument :

BNA_F

ClientSampleId :

DCW-WC-065-40115

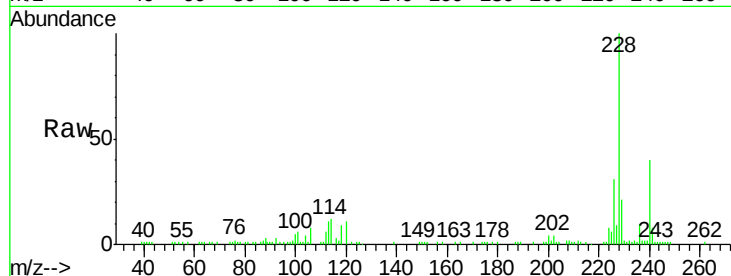
Tot Ion:228 Resp: 69553

Ion Ratio Lower Upper

228 100

226 31.3 21.3 31.9

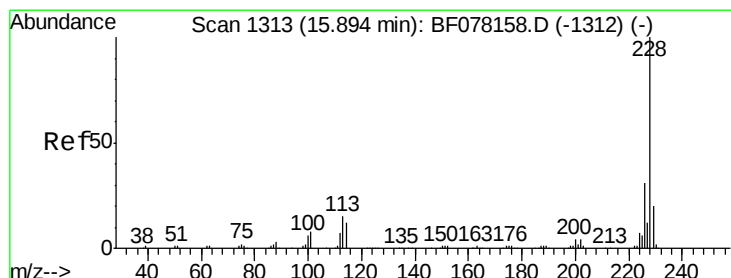
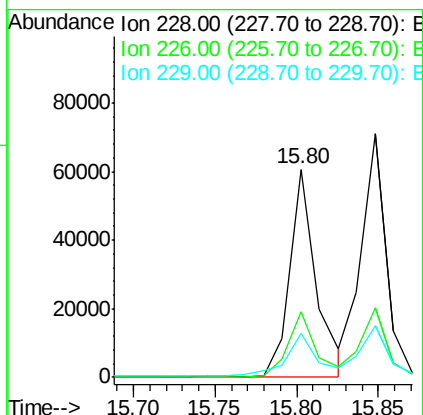
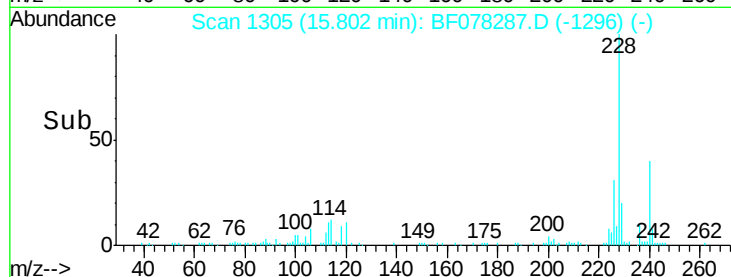
229 20.9 15.4 23.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 8.02 ng

RT: 15.85 min Scan# 1309

Delta R.T. -0.00 min

Lab File: BF078287.D

Acq: 7 Apr 2015 7:02

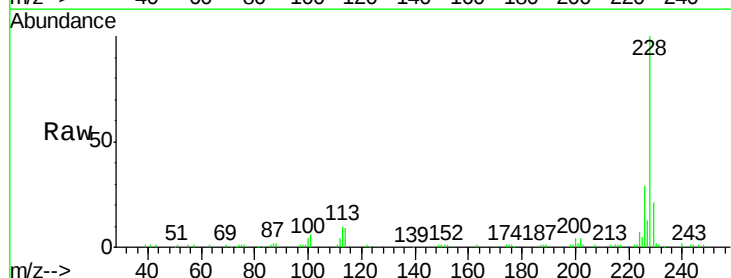
Tgt Ion:228 Resp: 75364

Ion Ratio Lower Upper

228 100

226 28.7 24.2 36.4

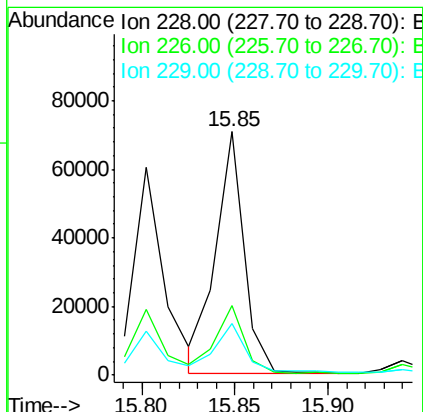
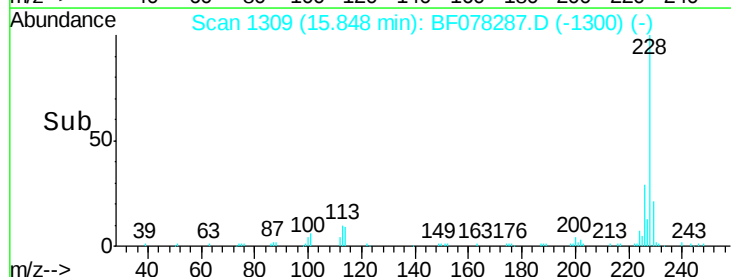
229 21.4 15.8 23.8

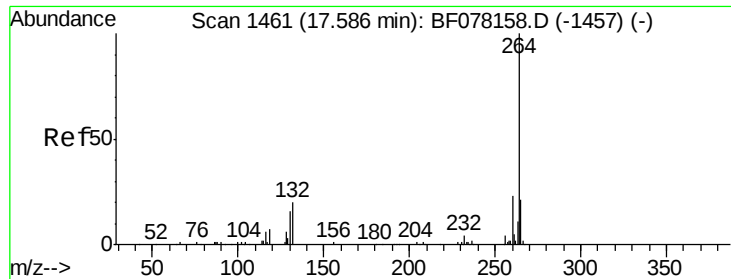


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

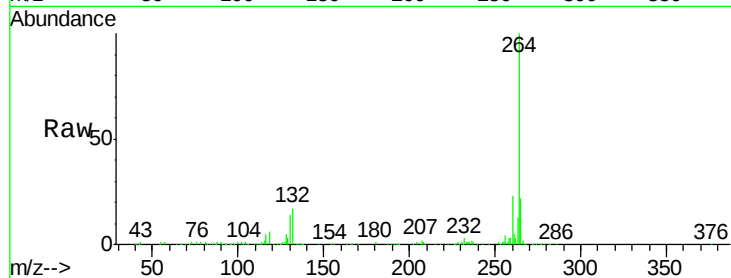




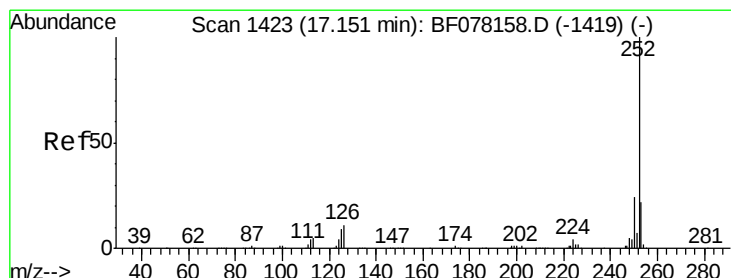
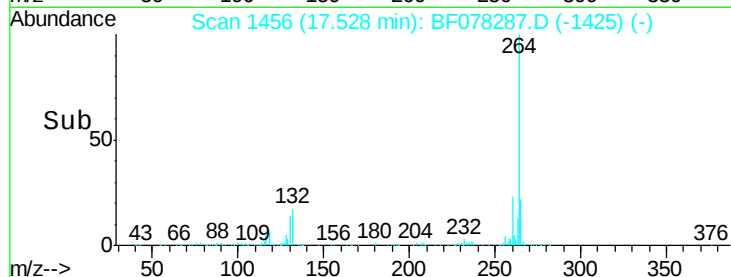
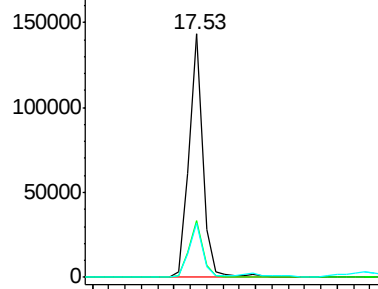
#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.53 min Scan# 1456
Delta R.T. 0.06 min
Lab File: BF078287.D
Acq: 7 Apr 2015 7:02

Instrument :
BNA_F
ClientSampleId :
DCW-WC-065-40115

Tot Ion:264 Resp: 169099
Ion Ratio Lower Upper
264 100
260 23.5 18.6 27.8
265 22.0 17.0 25.6

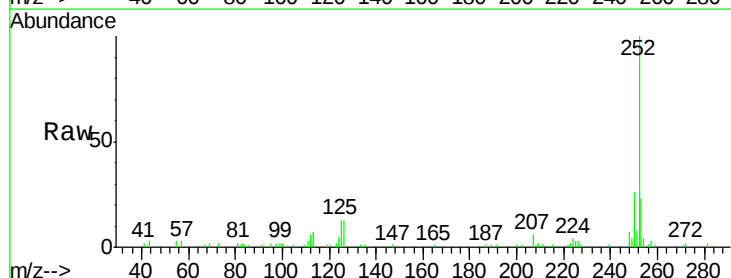


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

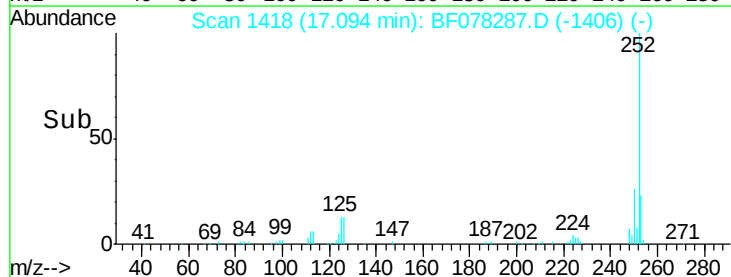
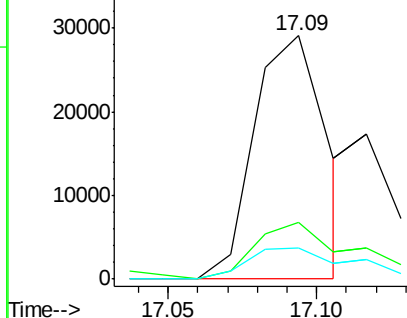


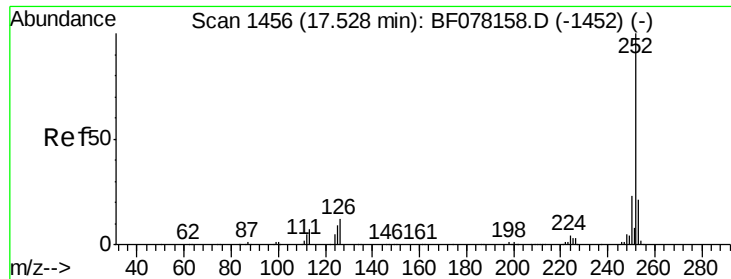
#87
Benzo(b)fluoranthene
Concen: 4.71 ng m
RT: 17.09 min Scan# 1418
Delta R.T. 0.03 min
Lab File: BF078287.D
Acq: 7 Apr 2015 7:02

Tgt Ion:252 Resp: 49248
Ion Ratio Lower Upper
252 100
253 23.1 17.2 25.8
125 12.6 7.0 10.4#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

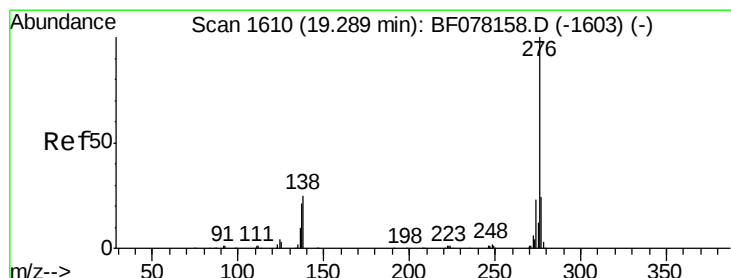
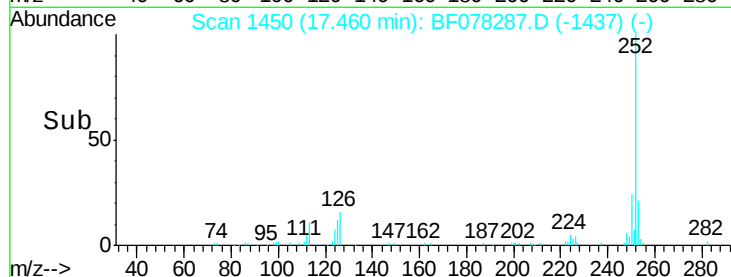
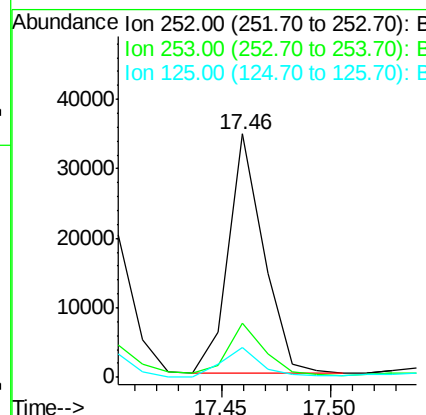
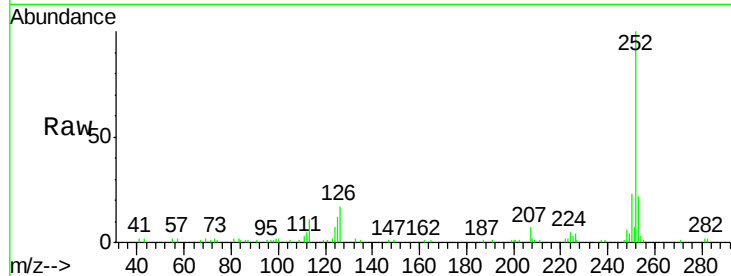




#89
Benzo(a)pyrene
Concen: 4.22 ng
RT: 17.46 min Scan# 1450
Delta R.T. 0.05 min
Lab File: BF078287.D
Acq: 7 Apr 2015 7:02

Instrument :
BNA_F
ClientSampleId :
DCW-WC-065-40115

Tot Ion:252 Resp: 38520
Ion Ratio Lower Upper
252 100
253 22.5 16.8 25.2
125 12.0 7.4 11.0#



#91
Benzo(g,h,i)perylene
Concen: 2.10 ng
RT: 19.19 min Scan# 1601
Delta R.T. 0.06 min
Lab File: BF078287.D
Acq: 7 Apr 2015 7:02

Tgt Ion:276 Resp: 19239
Ion Ratio Lower Upper
276 100
277 26.4 19.0 28.4
138 28.4 19.9 29.9

