

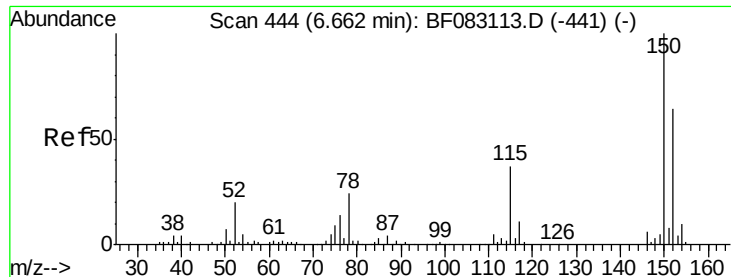
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112315\
 Data File : BF083226.D
 Acq On : 24 Nov 2015 2:01
 Operator : UM/IZ
 Sample : G4453-01RE
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CWC-8-20151116

Quant Time: Nov 24 04:41:02 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Nov 22 09:22:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	214698	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	812153	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	356822	20.00	ng	-0.02
63) Phenanthrene-d10	11.15	188	547558	20.00	ng	-0.02
75) Chrysene-d12	13.78	240	435492	20.00	ng	-0.02
86) Perylene-d12	15.14	264	318056	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1858997	130.91	ng	-0.02
7) Phenol-d6	6.32	99	2549931	138.78	ng	-0.02
23) Nitrobenzene-d5	7.21	82	1361254	76.59	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	309337	84.74	ng	-0.02
44) 2-Fluorobiphenyl	9.02	172	2107353	82.35	ng	-0.01
78) Terphenyl-d14	12.74	244	1386020	74.95	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.32	77	4869	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	7.21	70	183444	14.35	ng	# 79
49) Dimethylphthalate	9.40	163	489301	17.81	ng	100
56) 2,4-Dinitrotoluene	9.68	165	47598	6.09	ng	# 11
66) 4-Bromophenyl-phenylether	10.47	248	20861	3.43	ng	# 1
70) Phenanthrene	11.18	178	115611	3.66	ng	96
71) Anthracene	11.18	178	115611	3.59	ng	97
74) Fluoranthene	12.35	202	144470	4.47	ng	98
77) Pyrene	12.58	202	138838	4.67	ng	96
80) Benzo(a)anthracene	13.77	228	63714	2.37	ng	93
82) Chrysene	13.77	228	63714	2.55	ng	98
87) Benzo(b)fluoranthene	14.78	252	73873	3.40	ng	# 87
88) Benzo(k)fluoranthene	14.78	252	73363	4.53	ng	# 88
89) Benzo(a)pyrene	15.09	252	39038	2.18	ng	# 81

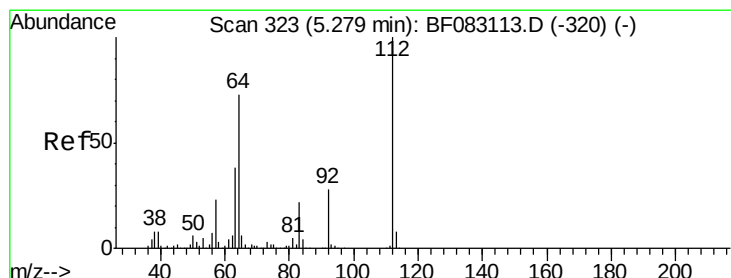
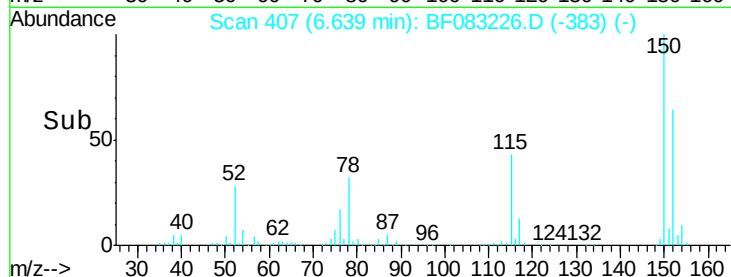
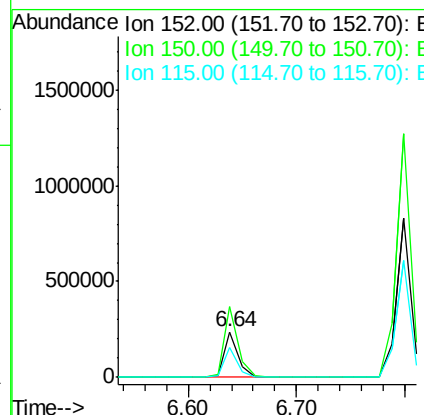
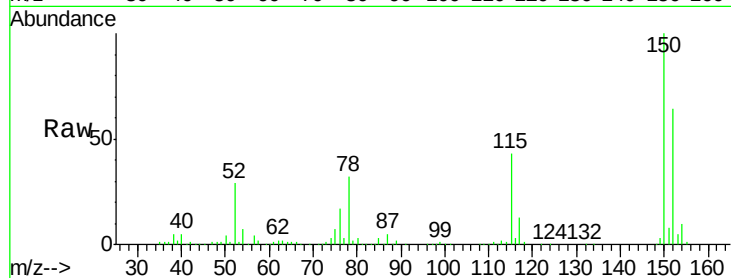
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.64 min Scan# 407
 Delta R.T. -0.02 min
 Lab File: BF083226.D
 Acq: 24 Nov 2015 2:01

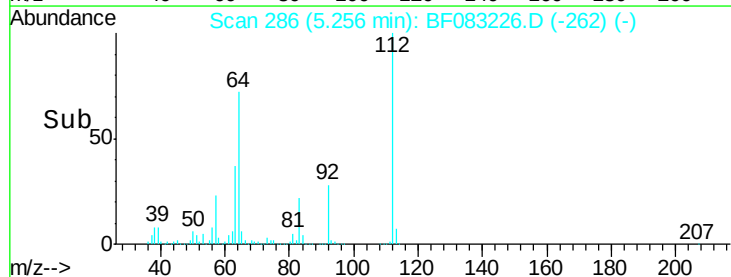
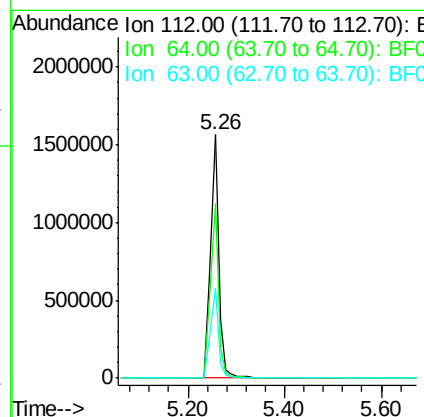
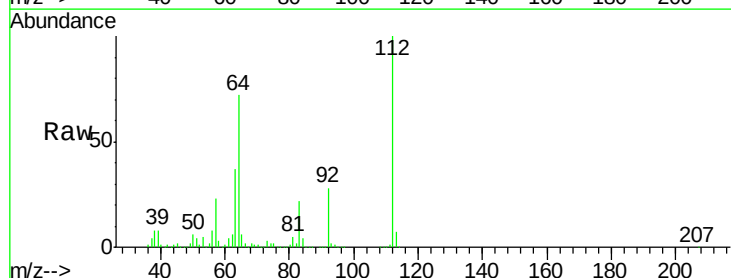
Instrument :
 BNA_F
 ClientSampleId :
 CWC-8-20151116

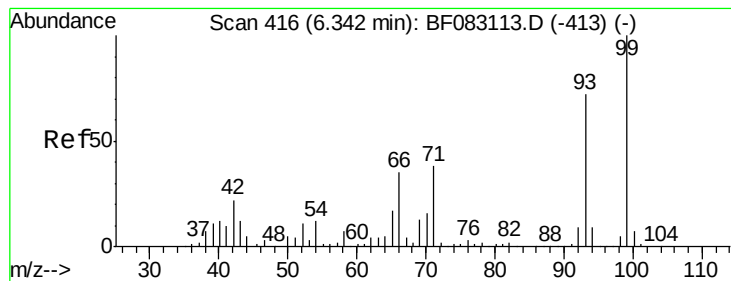
Tgt Ion:152 Resp: 214698
 Ion Ratio Lower Upper
 152 100
 150 155.5 125.8 188.8
 115 66.8 46.9 70.3



#5
 2-Fluorophenol
 Concen: 130.91 ng
 RT: 5.26 min Scan# 286
 Delta R.T. -0.02 min
 Lab File: BF083226.D
 Acq: 24 Nov 2015 2:01

Tgt Ion:112 Resp: 1858997
 Ion Ratio Lower Upper
 112 100
 64 71.8 58.4 87.6
 63 36.9 30.0 45.0





#7

Phenol-d6

Concen: 138.78 ng

RT: 6.32 min Scan# 379

Delta R.T. -0.02 min

Lab File: BF083226.D

Acq: 24 Nov 2015 2:01

Instrument :

BNA_F

ClientSampleId :

CWC-8-20151116

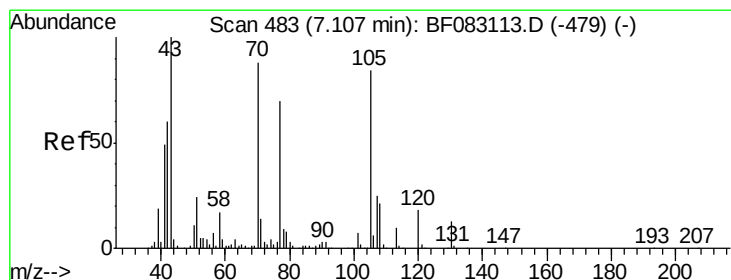
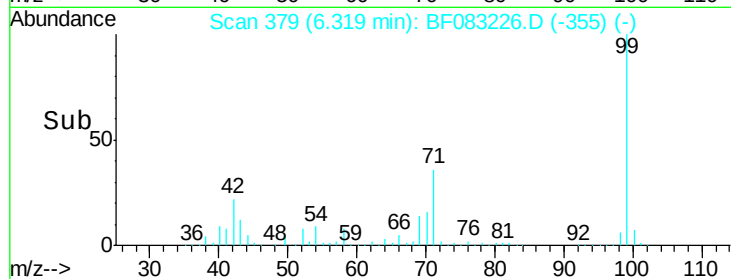
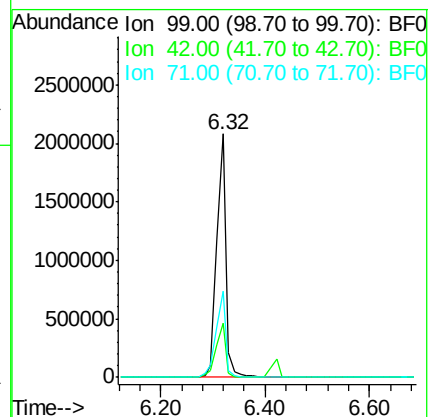
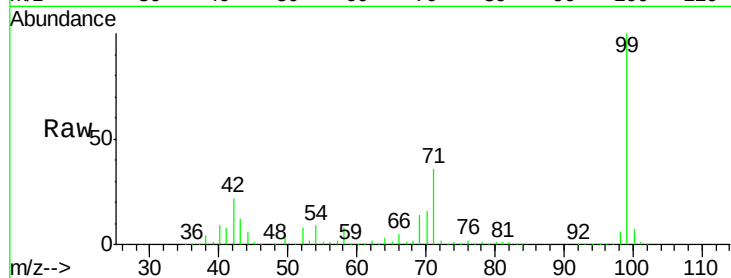
Tgt Ion: 99 Resp: 2549931

Ion Ratio Lower Upper

99 100

42 22.1 17.7 26.5

71 35.5 30.2 45.4



#19

n-Nitroso-di-n-propylamine

Concen: 14.35 ng

RT: 7.21 min Scan# 457

Delta R.T. 0.10 min

Lab File: BF083226.D

Acq: 24 Nov 2015 2:01

Tgt Ion: 70 Resp: 183444

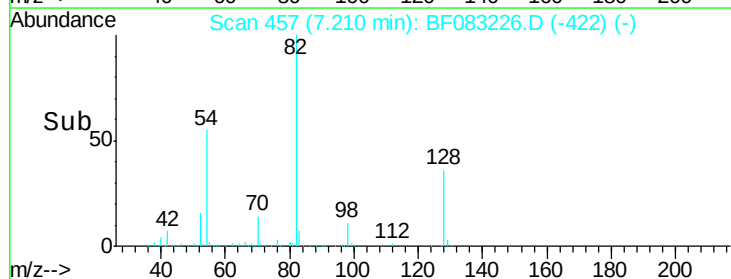
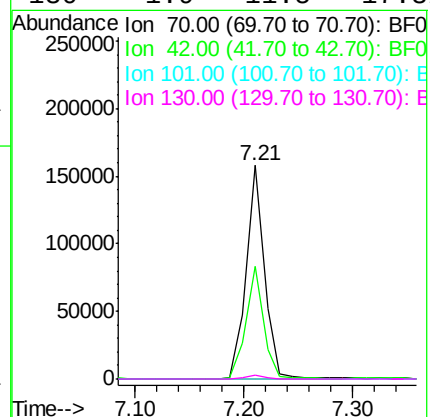
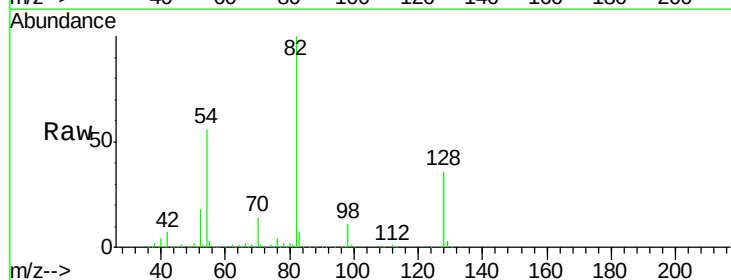
Ion Ratio Lower Upper

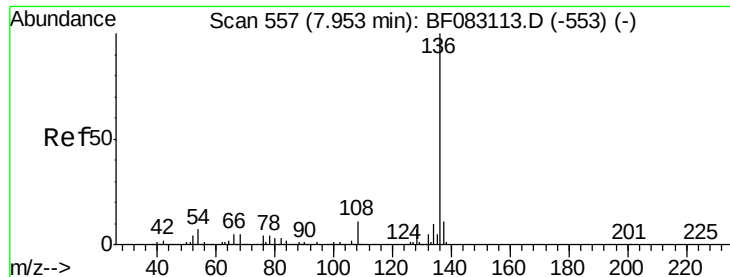
70 100

42 53.0 54.5 81.7#

101 0.0 6.6 9.8#

130 1.9 11.5 17.3#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.93 min Scan# 520

Delta R.T. -0.02 min

Lab File: BF083226.D

Acq: 24 Nov 2015 2:01

Instrument :

BNA_F

ClientSampleId :

CWC-8-20151116

Tgt Ion:136 Resp: 812153

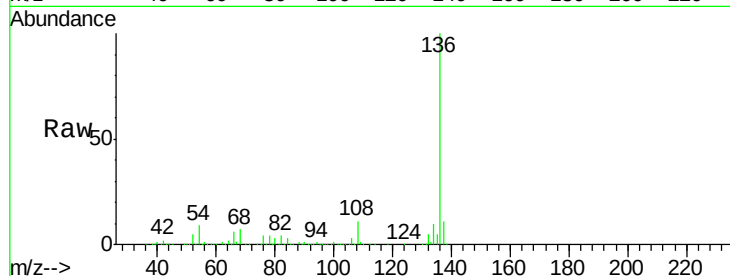
Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 9.4 5.8 8.6#

68 6.8 3.8 5.8#

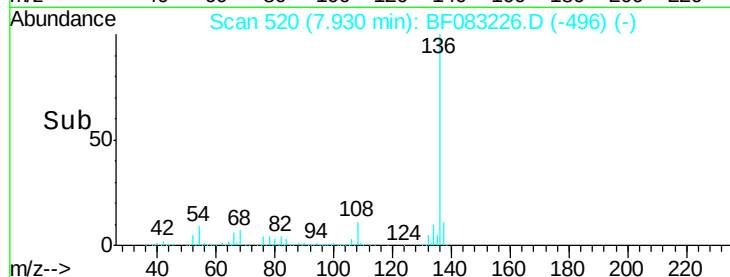


Abundance Ion 136.00 (135.70 to 136.70): E

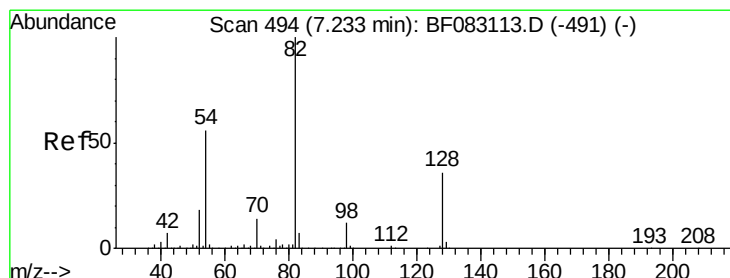
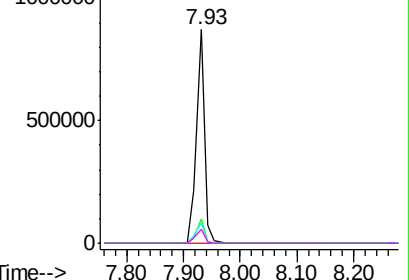
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 76.59 ng

RT: 7.21 min Scan# 457

Delta R.T. -0.02 min

Lab File: BF083226.D

Acq: 24 Nov 2015 2:01

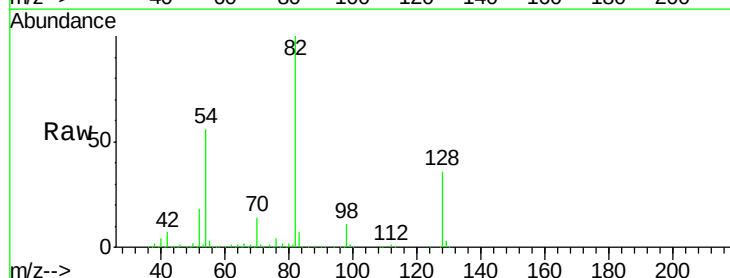
Tgt Ion: 82 Resp: 1361254

Ion Ratio Lower Upper

82 100

128 36.3 28.5 42.7

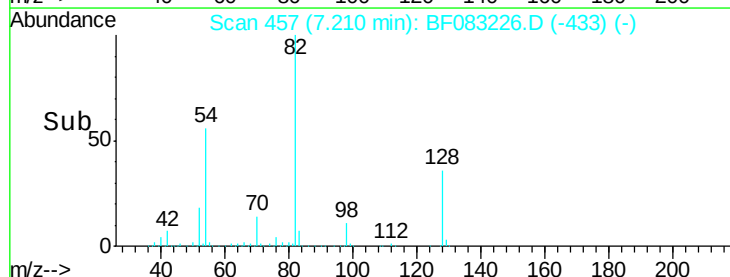
54 56.0 44.6 67.0



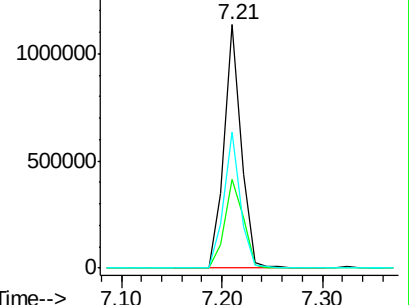
Abundance Ion 82.00 (81.70 to 82.70): BF0

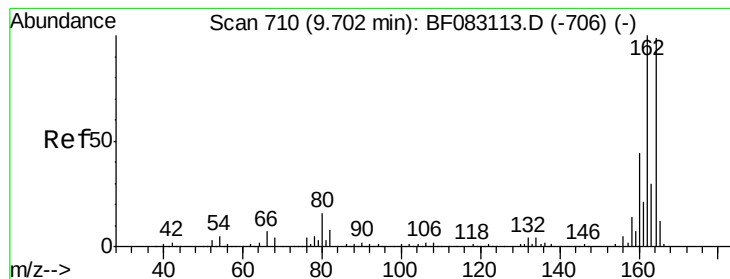
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.68 min Scan# 673

Delta R.T. -0.02 min

Lab File: BF083226.D

Acq: 24 Nov 2015 2:01

Instrument :

BNA_F

ClientSampleId :

CWC-8-20151116

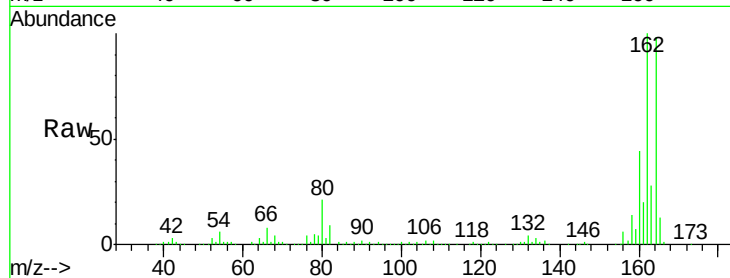
Tgt Ion:164 Resp: 356822

Ion Ratio Lower Upper

164 100

162 101.8 81.2 121.8

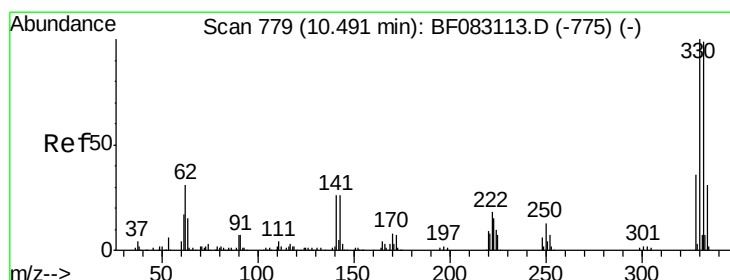
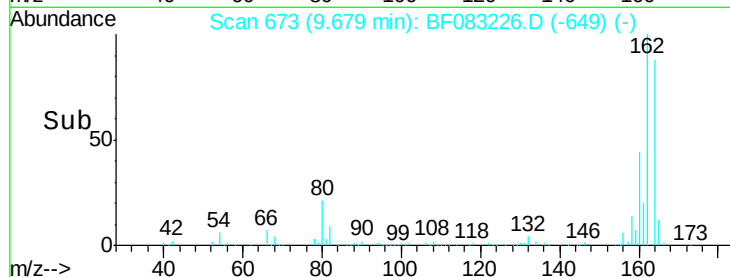
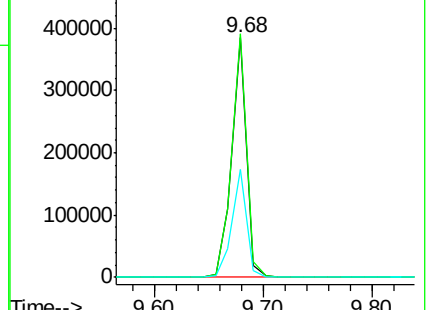
160 44.9 35.6 53.4



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: 84.74 ng

RT: 10.47 min Scan# 742

Delta R.T. -0.02 min

Lab File: BF083226.D

Acq: 24 Nov 2015 2:01

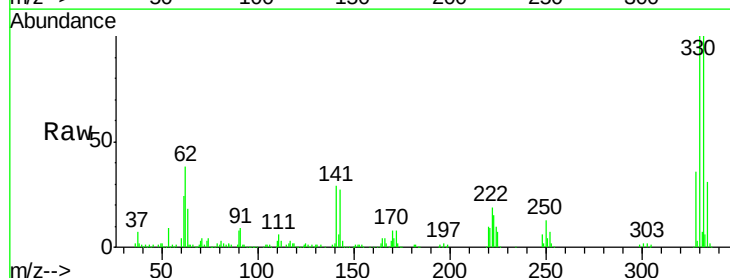
Tgt Ion:330 Resp: 309337

Ion Ratio Lower Upper

330 100

332 99.0 77.7 116.5

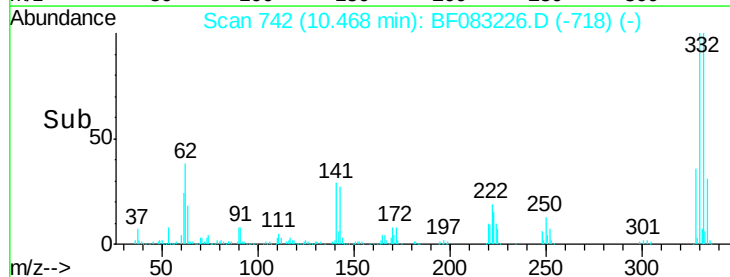
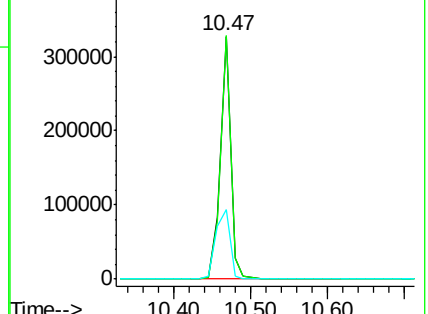
141 39.6 29.7 44.5

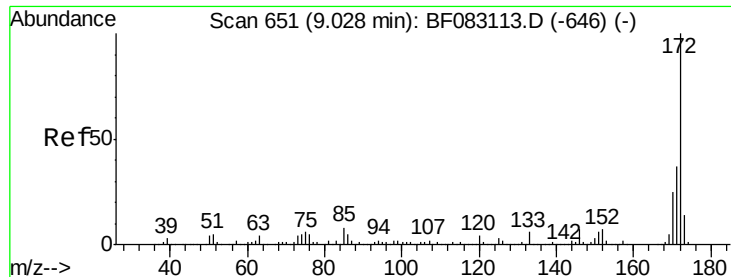


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

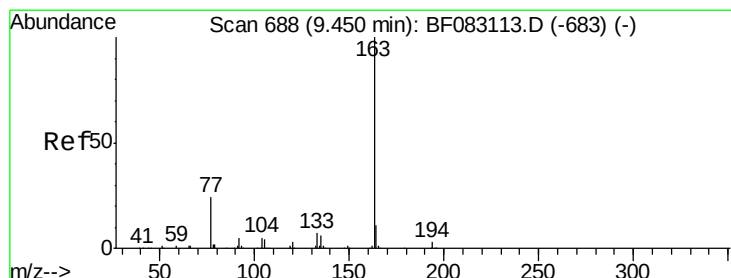
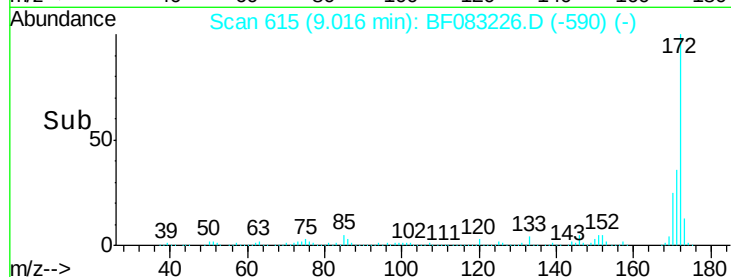
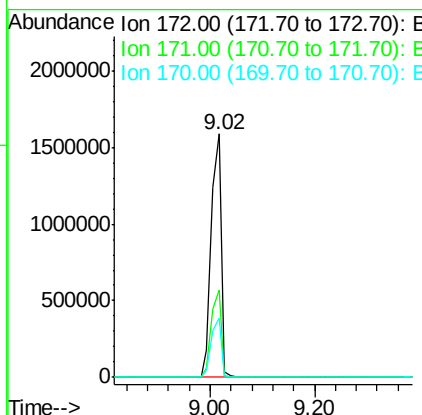
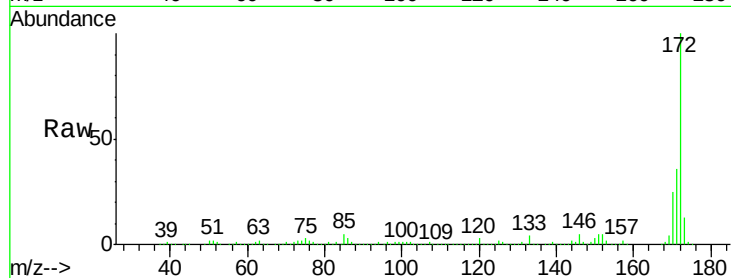




#44
 2-Fluorobiphenyl
 Concen: 82.35 ng
 RT: 9.02 min Scan# 615
 Delta R.T. -0.01 min
 Lab File: BF083226.D
 Acq: 24 Nov 2015 2:01

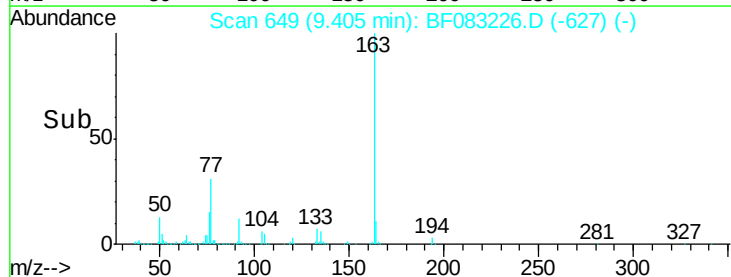
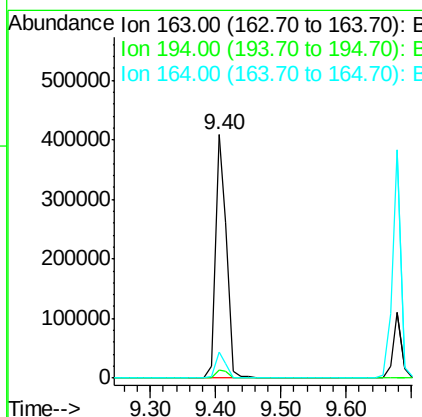
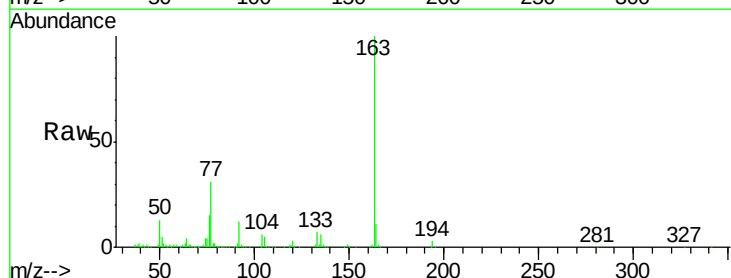
Instrument :
 BNA_F
 ClientSampleId :
 CWC-8-20151116

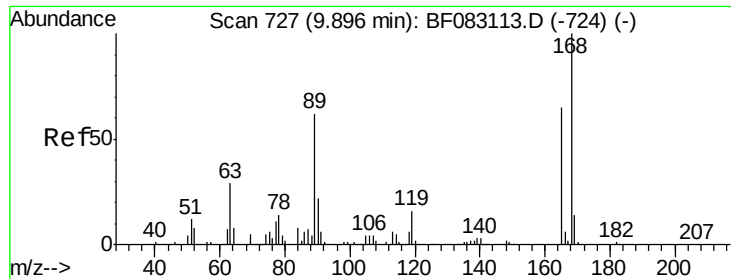
Tgt Ion:172 Resp: 2107353
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.5 44.3
 170 24.5 19.9 29.9



#49
 Dimethylphthalate
 Concen: 17.81 ng
 RT: 9.40 min Scan# 649
 Delta R.T. -0.05 min
 Lab File: BF083226.D
 Acq: 24 Nov 2015 2:01

Tgt Ion:163 Resp: 489301
 Ion Ratio Lower Upper
 163 100
 194 3.2 2.6 4.0
 164 10.8 8.6 12.8

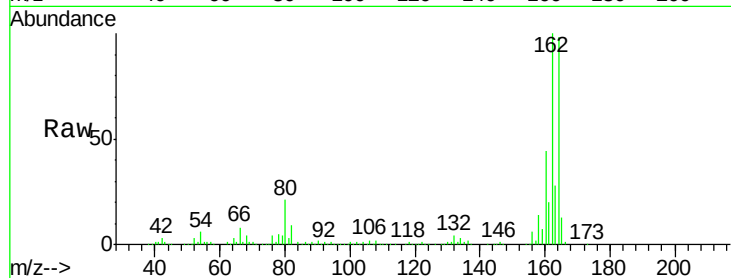




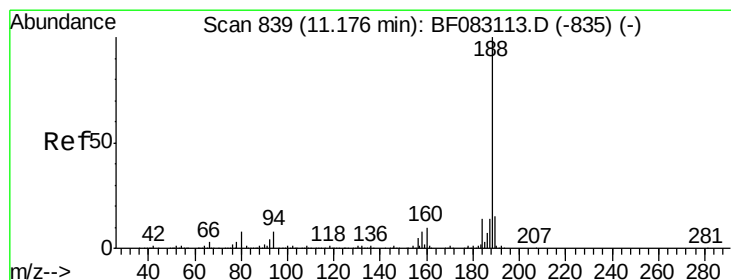
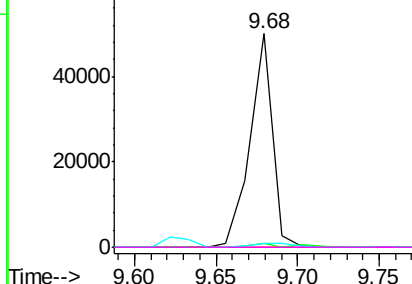
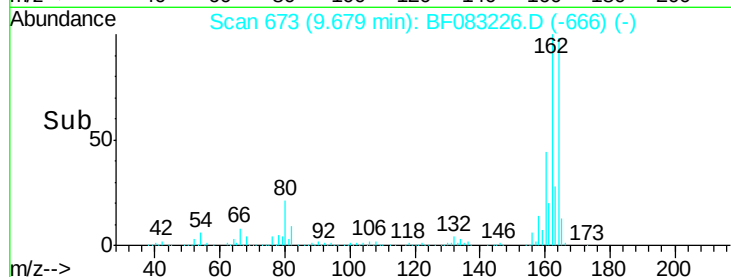
#56
 2,4-Dinitrotoluene
 Concen: 6.09 ng
 RT: 9.68 min Scan# 673
 Delta R.T. -0.22 min
 Lab File: BF083226.D
 Acq: 24 Nov 2015 2:01

Instrument :
 BNA_F
 ClientSampleId :
 CWC-8-20151116

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	47598		
63	1.8	54.5	81.7#	
89	1.8	77.3	115.9#	
182	0.0	1.8	2.6#	

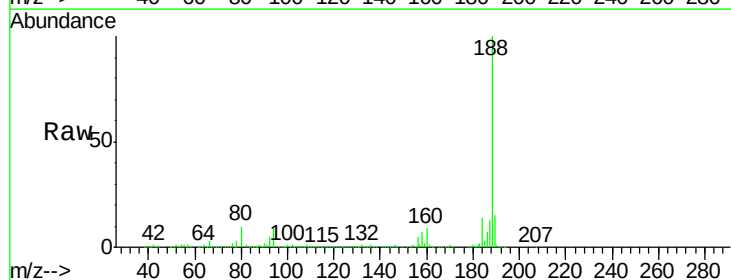


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

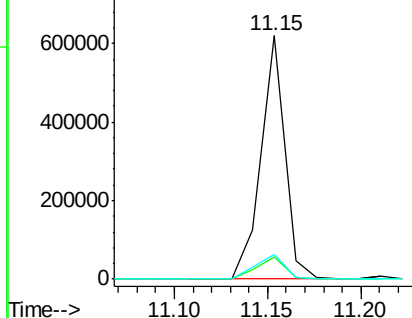
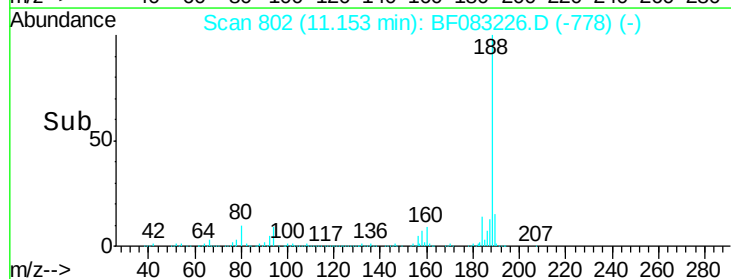


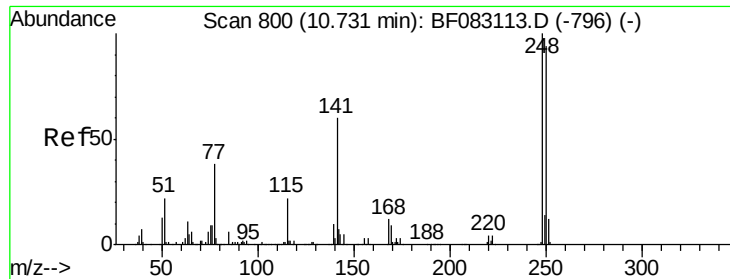
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.15 min Scan# 802
 Delta R.T. -0.02 min
 Lab File: BF083226.D
 Acq: 24 Nov 2015 2:01

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	547558		
94	9.4	6.0	9.0#	
80	10.3	6.7	10.1#	



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

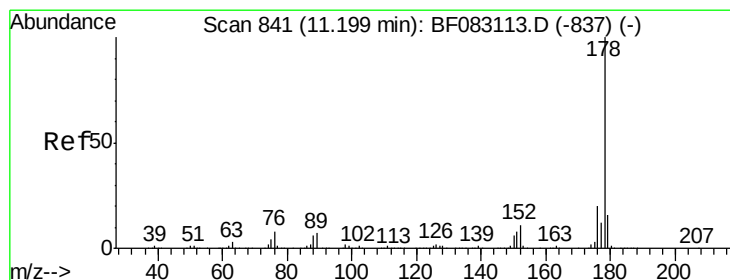
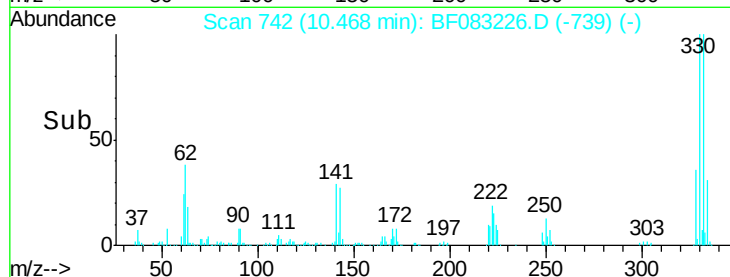
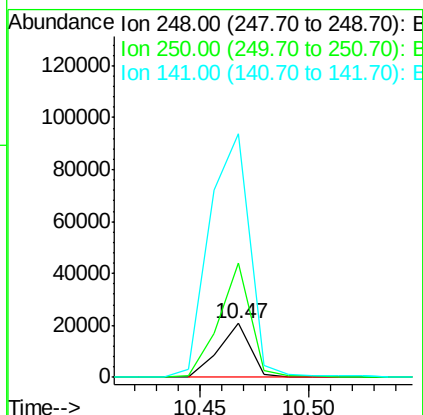
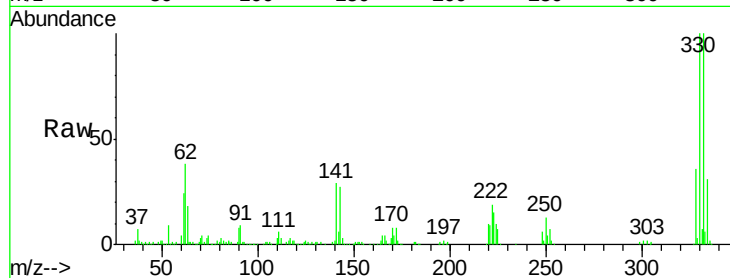




#66
 4-Bromophenyl-phenylether
 Concen: 3.43 ng
 RT: 10.47 min Scan# 742
 Delta R.T. -0.26 min
 Lab File: BF083226.D
 Acq: 24 Nov 2015 2:01

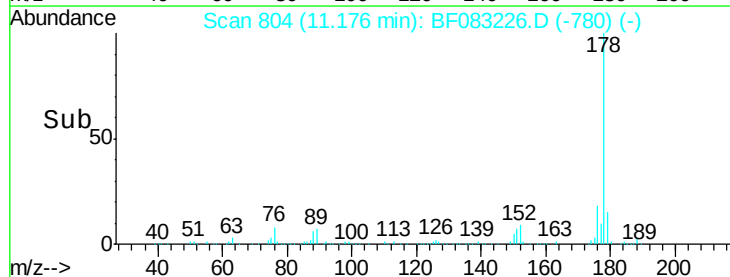
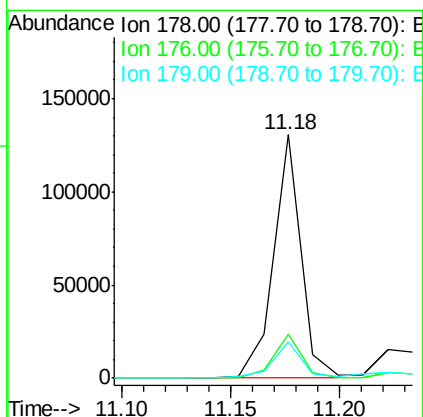
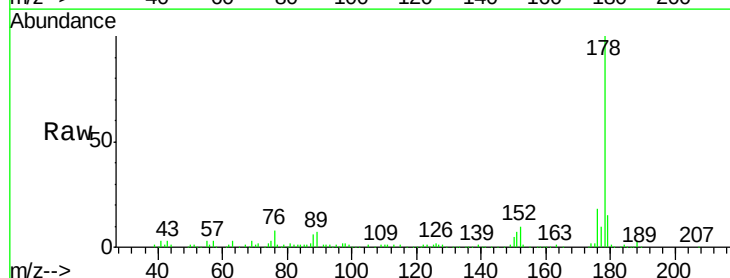
Instrument :
 BNA_F
 ClientSampleId :
 CWC-8-20151116

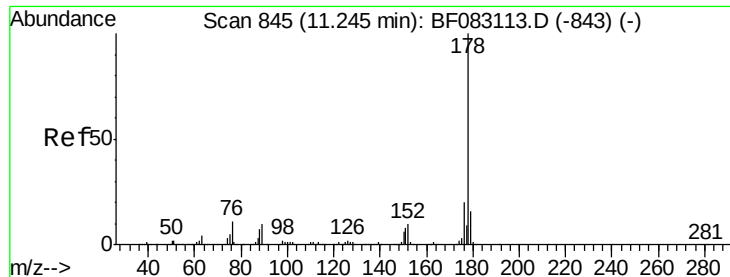
Tgt Ion:248 Resp: 20861
 Ion Ratio Lower Upper
 248 100
 250 212.7 75.4 113.2#
 141 452.9 48.1 72.1#



#70
 Phenanthrene
 Concen: 3.66 ng
 RT: 11.18 min Scan# 804
 Delta R.T. -0.02 min
 Lab File: BF083226.D
 Acq: 24 Nov 2015 2:01

Tgt Ion:178 Resp: 115611
 Ion Ratio Lower Upper
 178 100
 176 17.9 16.2 24.2
 179 15.1 12.8 19.2

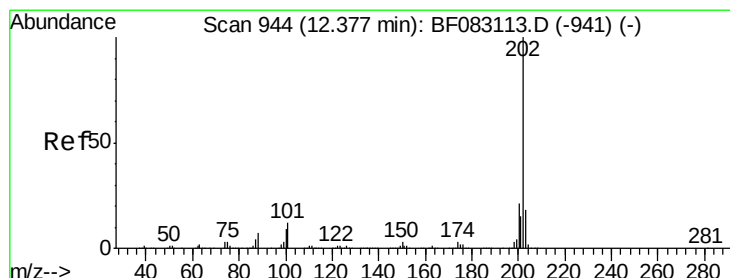
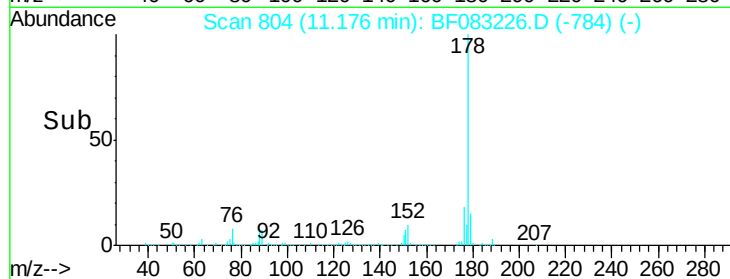
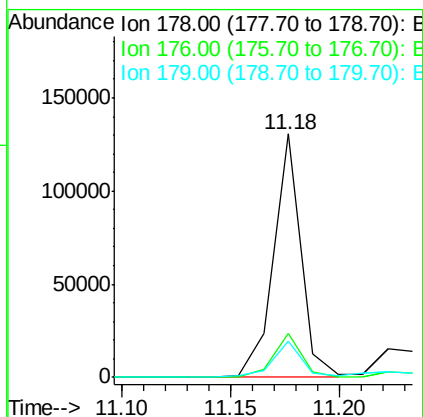
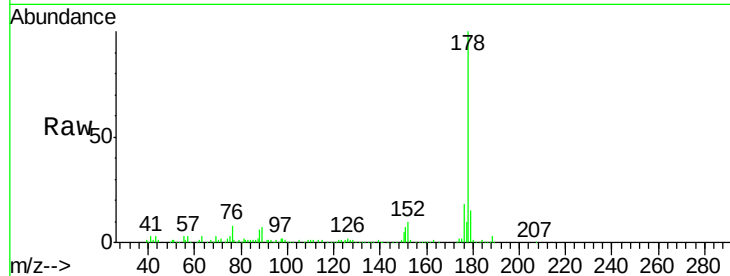




#71
 Anthracene
 Concen: 3.59 ng
 RT: 11.18 min Scan# 804
 Delta R.T. -0.07 min
 Lab File: BF083226.D
 Acq: 24 Nov 2015 2:01

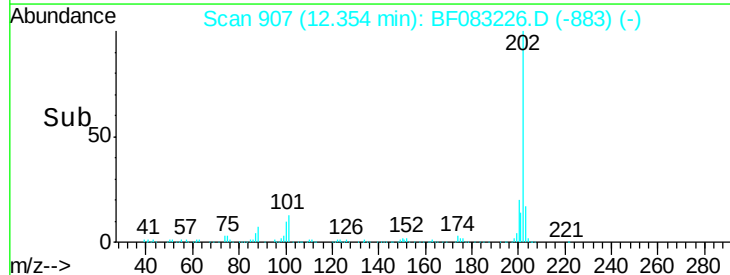
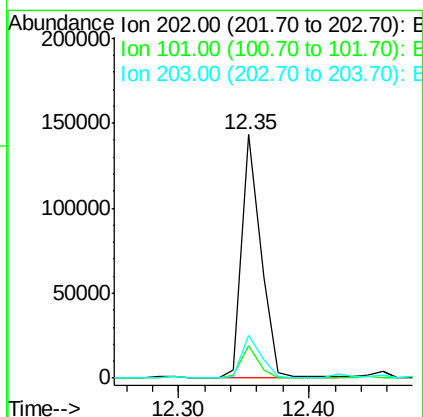
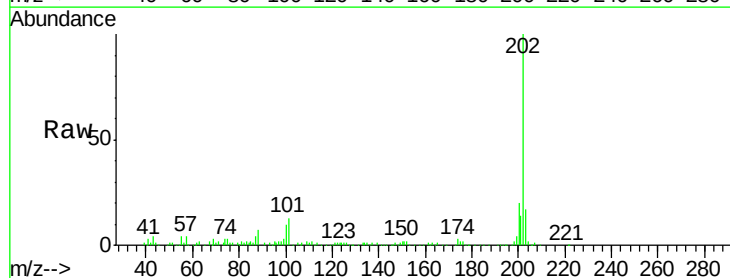
Instrument :
 BNA_F
 ClientSampleId :
 CWC-8-20151116

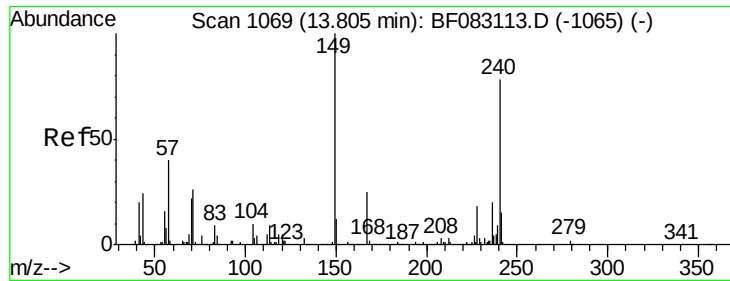
Tgt Ion:178 Resp: 115611
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.6 23.4
 179 15.1 13.2 19.8



#74
 Fluoranthene
 Concen: 4.47 ng
 RT: 12.35 min Scan# 907
 Delta R.T. -0.02 min
 Lab File: BF083226.D
 Acq: 24 Nov 2015 2:01

Tgt Ion:202 Resp: 144470
 Ion Ratio Lower Upper
 202 100
 101 13.3 0.0 32.3
 203 17.5 0.0 38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.78 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF083226.D

Acq: 24 Nov 2015 2:01

Instrument :

BNA_F

ClientSampleId :

CWC-8-20151116

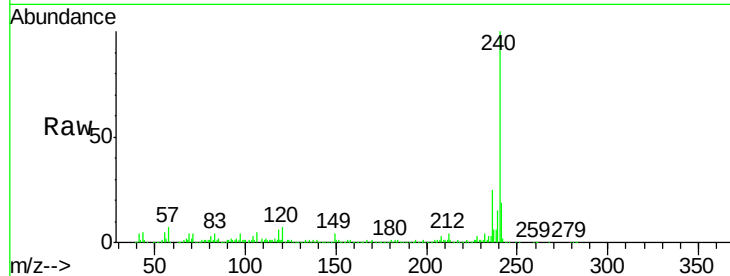
Tgt Ion:240 Resp: 435492

Ion Ratio Lower Upper

240 100

120 7.1 5.4 8.2

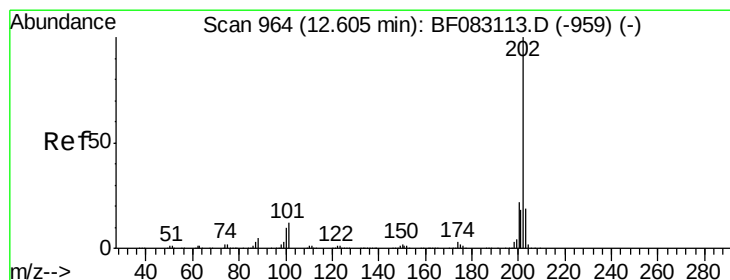
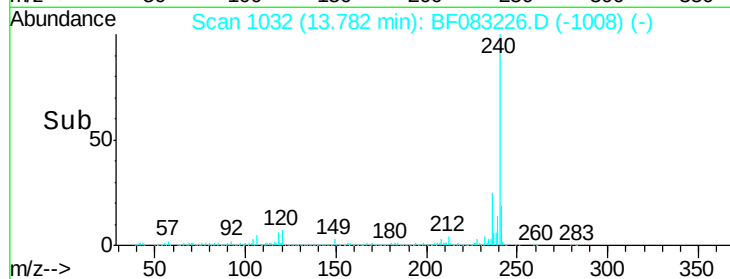
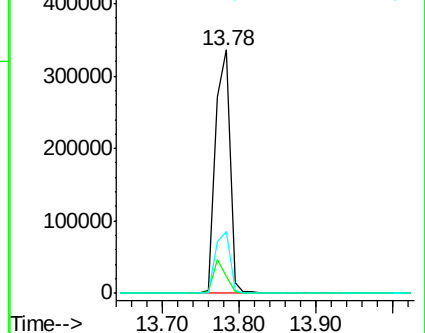
236 25.3 20.6 31.0



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



#77

Pyrene

Concen: 4.67 ng

RT: 12.58 min Scan# 927

Delta R.T. -0.02 min

Lab File: BF083226.D

Acq: 24 Nov 2015 2:01

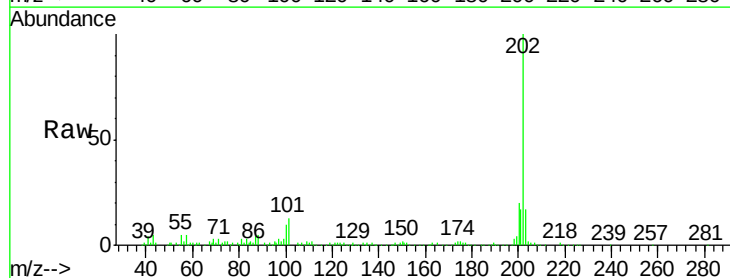
Tgt Ion:202 Resp: 138838

Ion Ratio Lower Upper

202 100

200 19.8 17.8 26.6

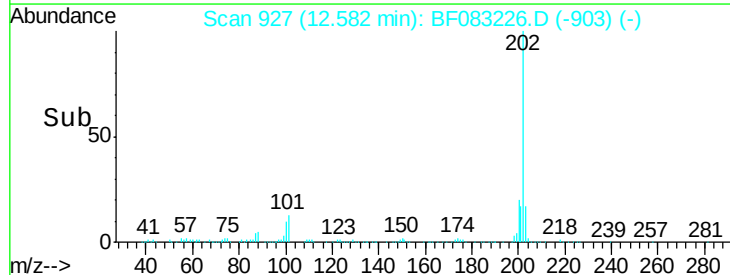
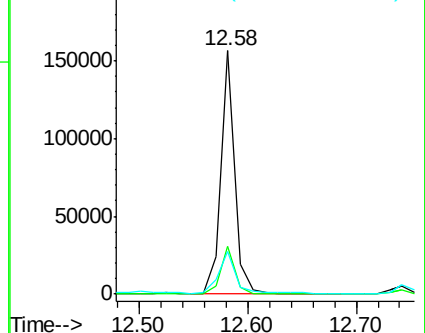
203 17.4 15.0 22.4

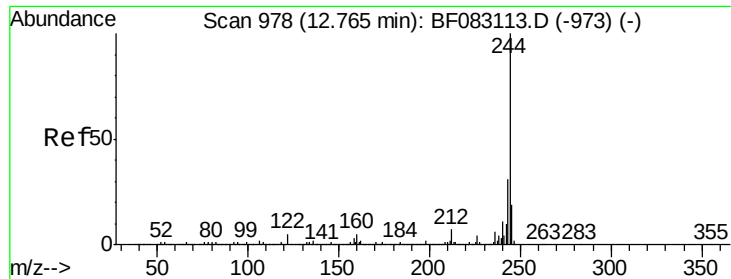


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

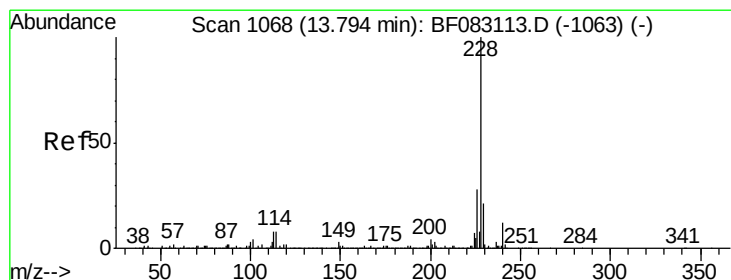
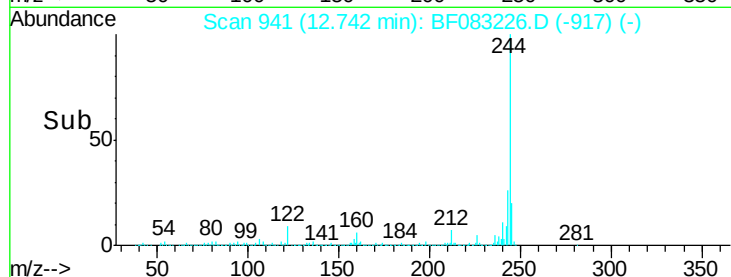
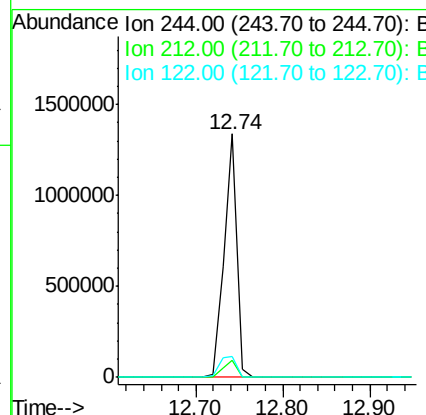
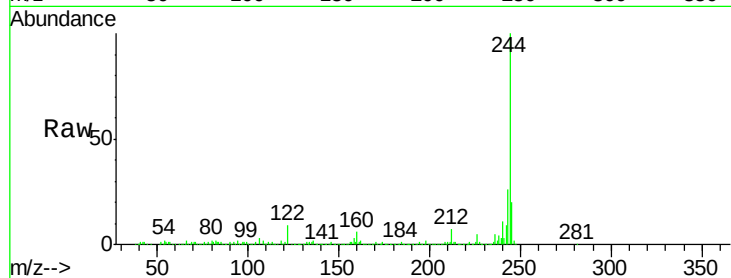




#78
 Terphenyl-d14
 Concen: 74.95 ng
 RT: 12.74 min Scan# 941
 Delta R.T. -0.02 min
 Lab File: BF083226.D
 Acq: 24 Nov 2015 2:01

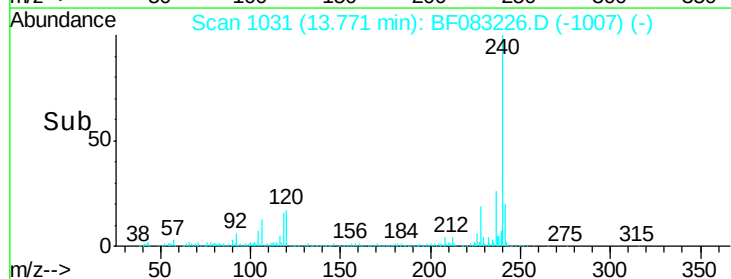
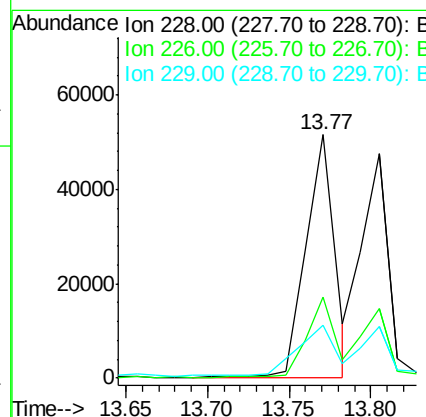
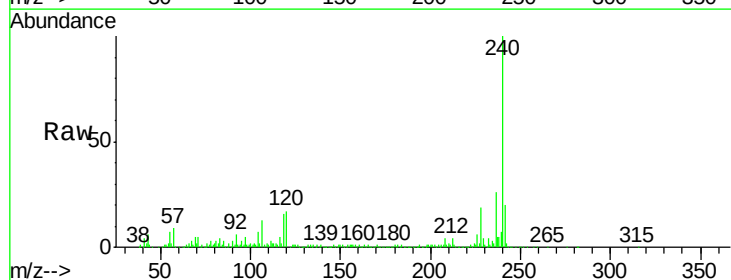
Instrument :
 BNA_F
 ClientSampleId :
 CWC-8-20151116

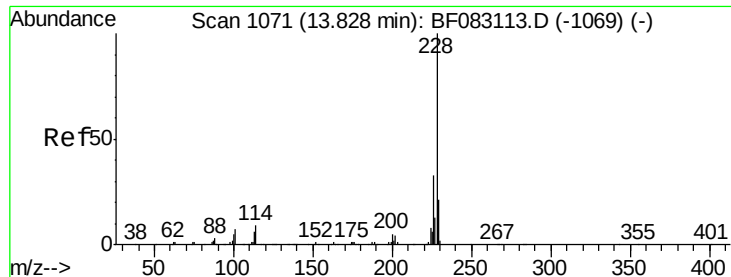
Tgt Ion:244 Resp: 1386020
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.4 8.2
 122 8.8 4.3 6.5#



#80
 Benzo(a)anthracene
 Concen: 2.37 ng
 RT: 13.77 min Scan# 1031
 Delta R.T. -0.02 min
 Lab File: BF083226.D
 Acq: 24 Nov 2015 2:01

Tgt Ion:228 Resp: 63714
 Ion Ratio Lower Upper
 228 100
 226 33.4 22.6 33.8
 229 21.7 16.6 24.8





#82

Chrysene

Concen: 2.55 ng

RT: 13.77 min Scan# 1031

Delta R.T. -0.06 min

Lab File: BF083226.D

Acq: 24 Nov 2015 2:01

Instrument :

BNA_F

ClientSampleId :

CWC-8-20151116

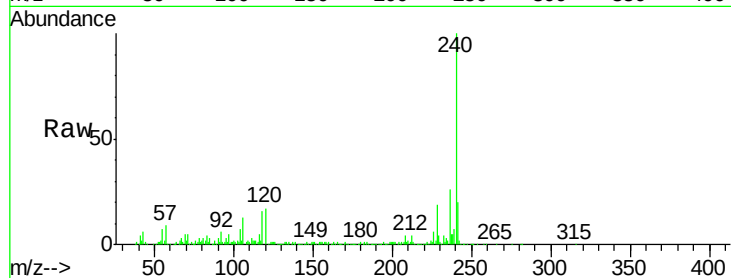
Tgt Ion:228 Resp: 63714

Ion Ratio Lower Upper

228 100

226 33.4 25.5 38.3

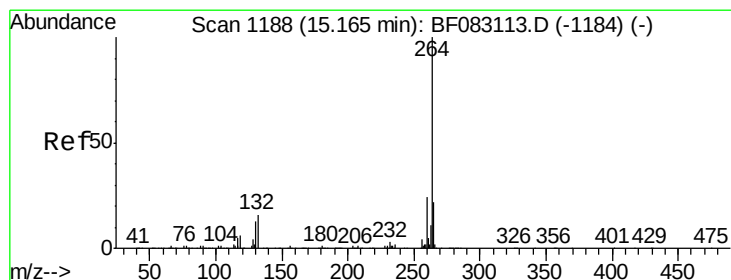
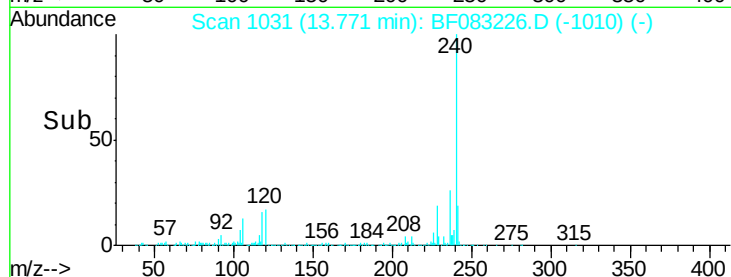
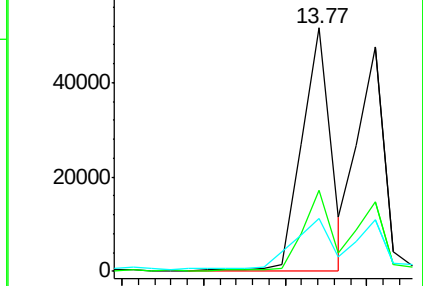
229 21.7 16.6 25.0



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

Perylene-d12

Concen: 20.00 ng

RT: 15.14 min Scan# 1151

Delta R.T. -0.02 min

Lab File: BF083226.D

Acq: 24 Nov 2015 2:01

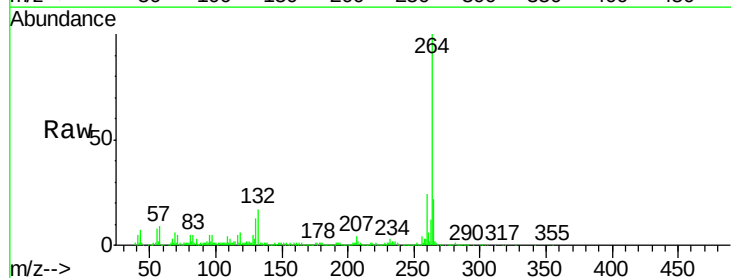
Tgt Ion:264 Resp: 318056

Ion Ratio Lower Upper

264 100

260 24.1 19.1 28.7

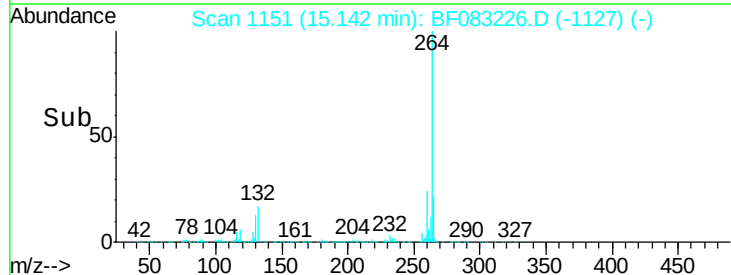
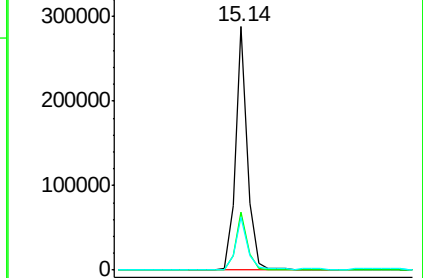
265 21.9 18.2 27.4

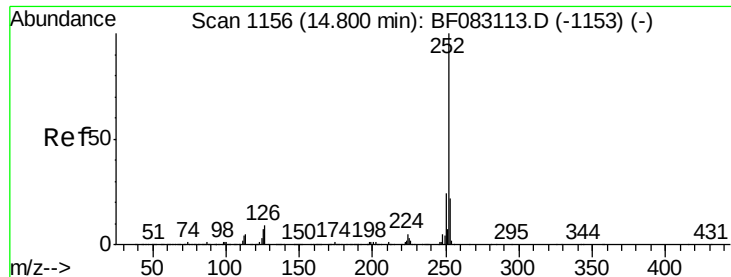


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

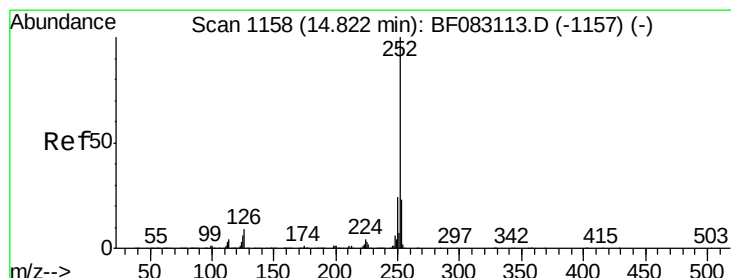
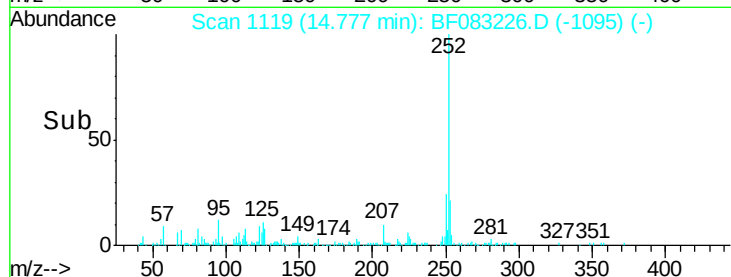
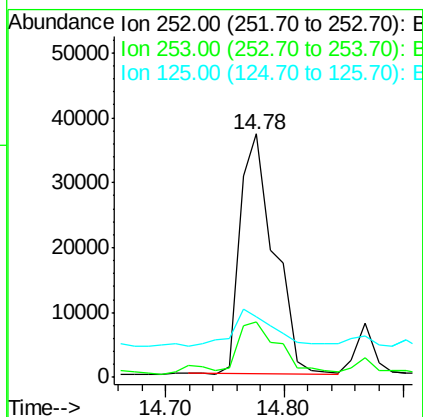
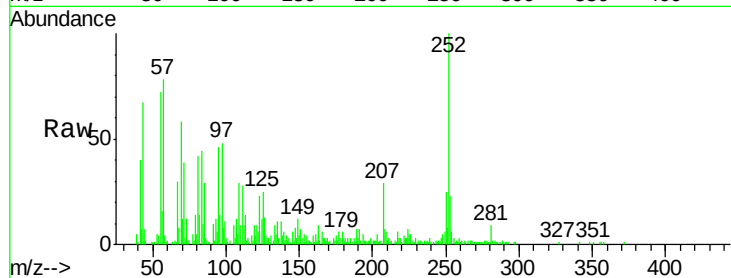




#87
Benzo(b)fluoranthene
Concen: 3.40 ng
RT: 14.78 min Scan# 1119
Delta R.T. -0.02 min
Lab File: BF083226.D
Acq: 24 Nov 2015 2:01

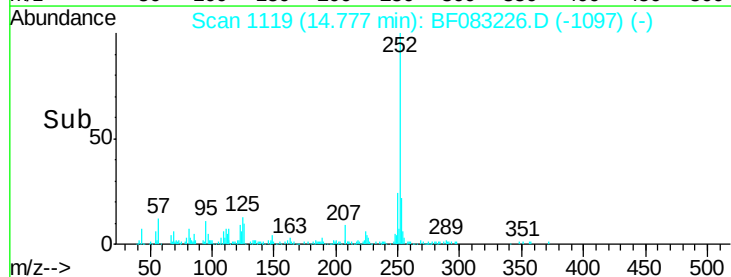
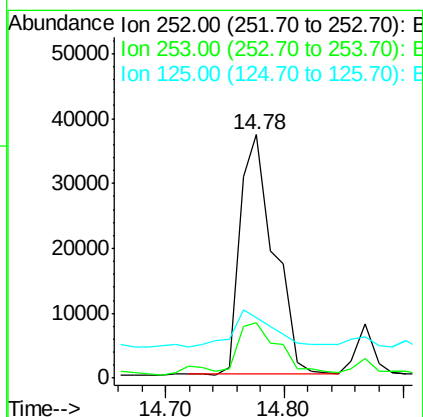
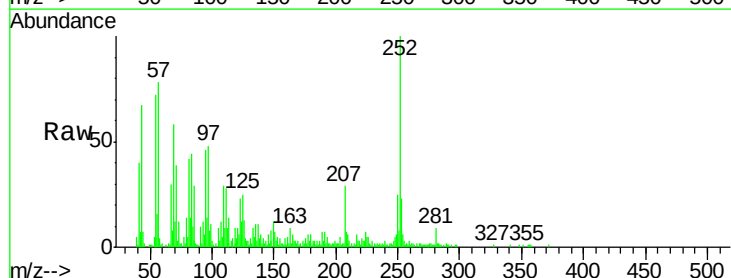
Instrument :
BNA_F
ClientSampleId :
CWC-8-20151116

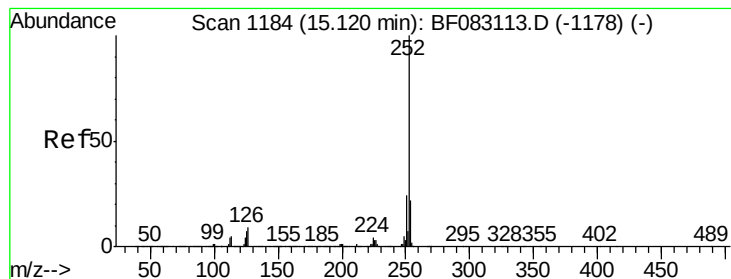
Tgt Ion:252 Resp: 73873
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 24.7 5.6 8.4#



#88
Benzo(k)fluoranthene
Concen: 4.53 ng
RT: 14.78 min Scan# 1119
Delta R.T. -0.05 min
Lab File: BF083226.D
Acq: 24 Nov 2015 2:01

Tgt Ion:252 Resp: 73363
Ion Ratio Lower Upper
252 100
253 22.8 18.2 27.2
125 24.7 6.8 10.2#





#89

Benzo(a)pyrene

Concen: 2.18 ng

RT: 15.09 min Scan# 1146

Delta R.T. -0.03 min

Lab File: BF083226.D

Acq: 24 Nov 2015 2:01

Instrument :

BNA_F

ClientSampleId :

CWC-8-20151116

Tgt Ion: 252 Resp: 39038

Ion Ratio Lower Upper

252 100

253 25.7 17.5 26.3

125 26.2 5.4 8.0#

