

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102715\
 Data File : BF082565.D
 Acq On : 28 Oct 2015 00:07
 Operator : UM/IZ
 Sample : G4168-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CWC-3-20151026

Quant Time: Oct 28 01:22:24 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 27 02:43:58 2015
 Response via : Initial Calibration

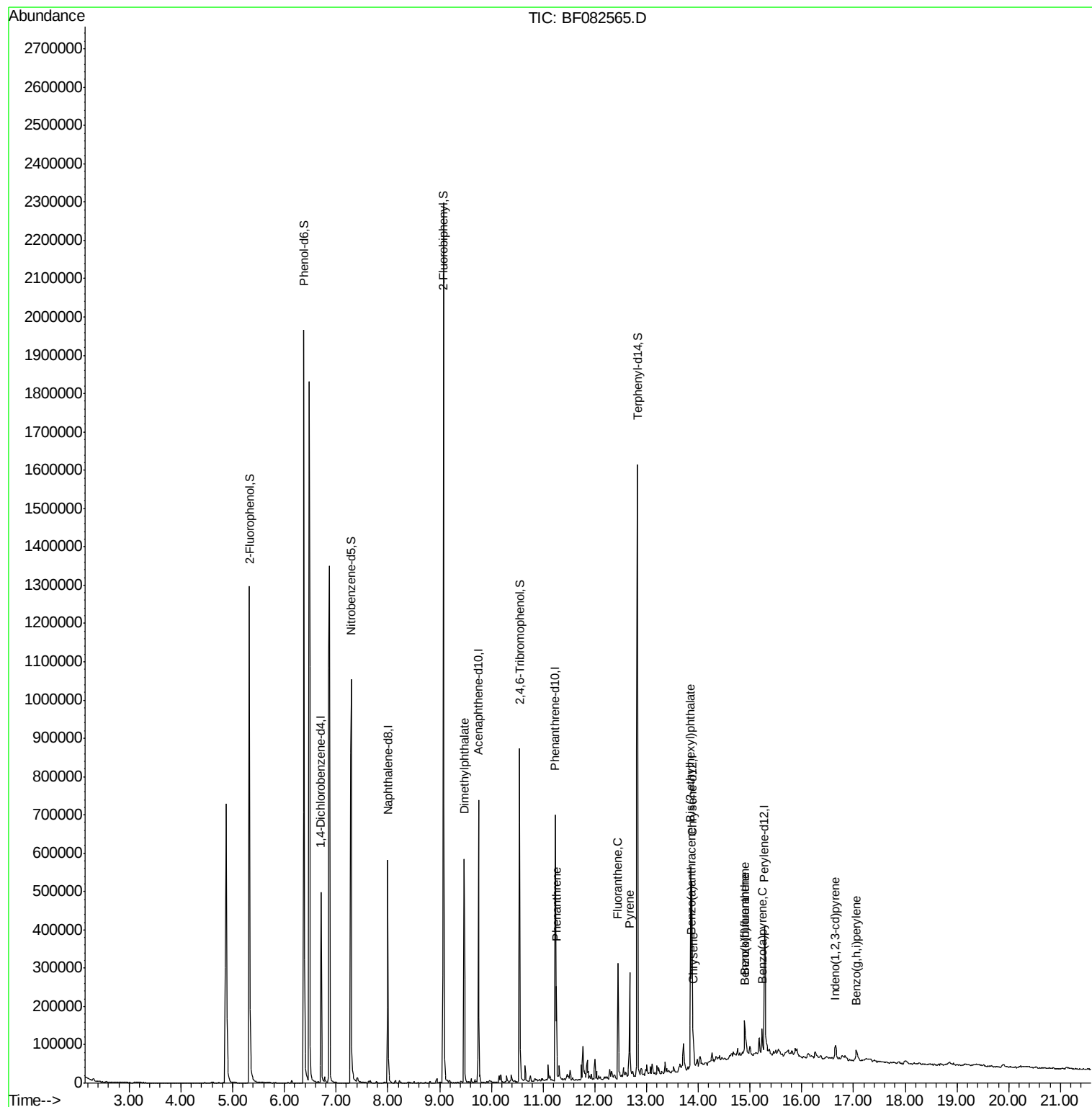
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	83578	20.00	ng	-0.02
21) Naphthalene-d8	8.00	136	312415	20.00	ng	-0.02
38) Acenaphthene-d10	9.75	164	150873	20.00	ng	-0.02
63) Phenanthrene-d10	11.23	188	268912	20.00	ng	-0.02
75) Chrysene-d12	13.88	240	165297	20.00	ng	-0.03
86) Perylene-d12	15.28	264	168174	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	585646	138.33	ng	0.01
7) Phenol-d6	6.38	99	787200	142.66	ng	0.00
23) Nitrobenzene-d5	7.29	82	514999	106.35	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	137681	121.86	ng	-0.02
44) 2-Fluorobiphenyl	9.07	172	816738	86.08	ng	-0.02
78) Terphenyl-d14	12.82	244	599572	104.50	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.47	163	299004	28.48	ng	99
70) Phenanthrene	11.26	178	94399	6.82	ng	99
74) Fluoranthene	12.45	202	122381	8.61	ng	98
77) Pyrene	12.68	202	117239	11.53	ng	97
80) Benzo(a)anthracene	13.86	228	49610	5.60	ng	99
82) Chrysene	13.90	228	37850	4.52	ng	98
83) Bis(2-ethylhexyl)phthalate	13.85	149	154054	26.91	ng	# 97
85) Indeno(1,2,3-cd)pyrene	16.65	276	24346	3.17	ng	97
87) Benzo(b)fluoranthene	14.89	252	43767m	4.38	ng	
88) Benzo(k)fluoranthene	14.90	252	23847m	2.93	ng	
89) Benzo(a)pyrene	15.24	252	36936	4.27	ng	# 93
91) Benzo(a,h,i)perylene	17.05	276	23333	3.26	ng	# 92

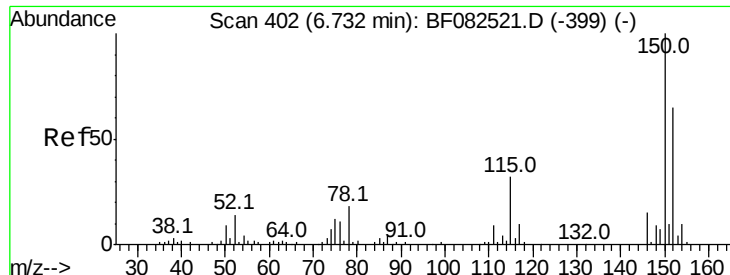
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.71 min Scan# 400

Delta R.T. -0.02 min

Lab File: BF082565.D

Acq: 28 Oct 2015 00:07

Instrument :

BNA_F

ClientSampleId :

CWC-3-20151026

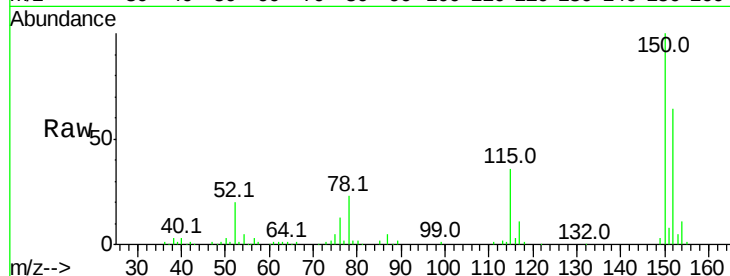
Tot Ion:152 Resp: 83578

Ion Ratio Lower Upper

152 100

150 155.1 123.4 185.0

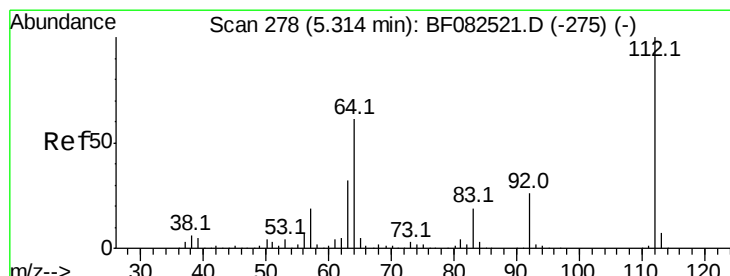
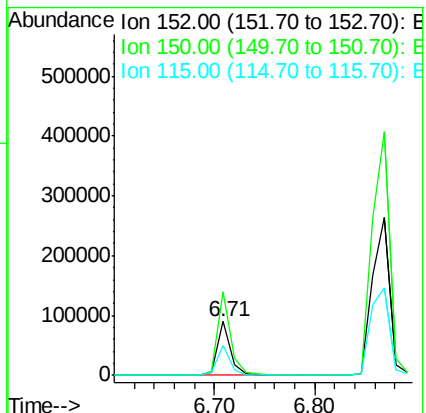
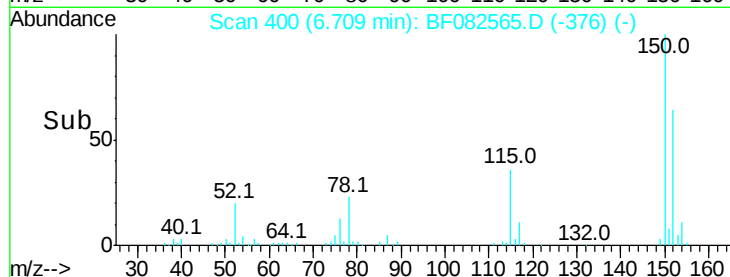
115 56.1 39.0 58.4



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: 138.33 ng

RT: 5.33 min Scan# 279

Delta R.T. 0.01 min

Lab File: BF082565.D

Acq: 28 Oct 2015 00:07

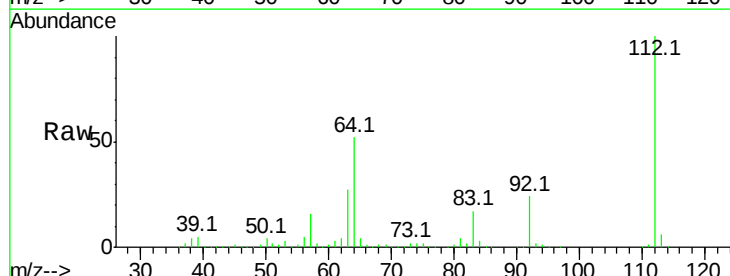
Tgt Ion:112 Resp: 585646

Ion Ratio Lower Upper

112 100

64 52.3 49.0 73.4

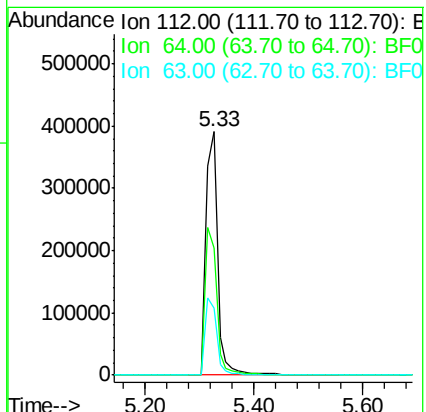
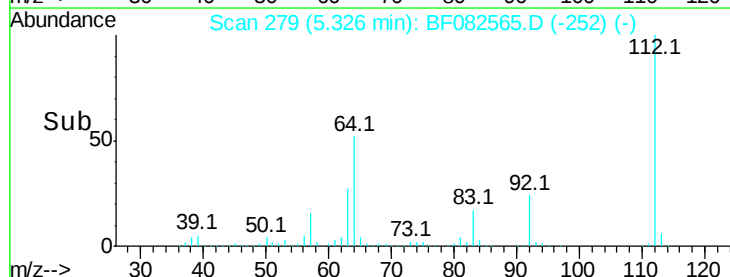
63 27.5 25.8 38.6

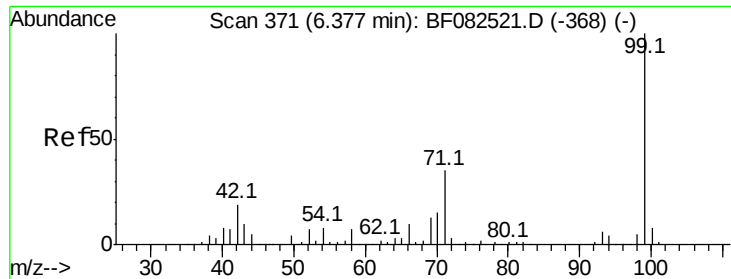


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 142.66 ng

RT: 6.38 min Scan# 371

Delta R.T. 0.00 min

Lab File: BF082565.D

Acq: 28 Oct 2015 00:07

Instrument :

BNA_F

ClientSampleId :

CWC-3-20151026

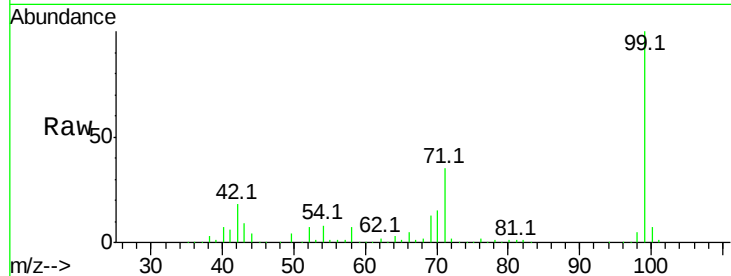
Tot Ion: 99 Resp: 787200

Ion Ratio Lower Upper

99 100

42 18.1 15.1 22.7

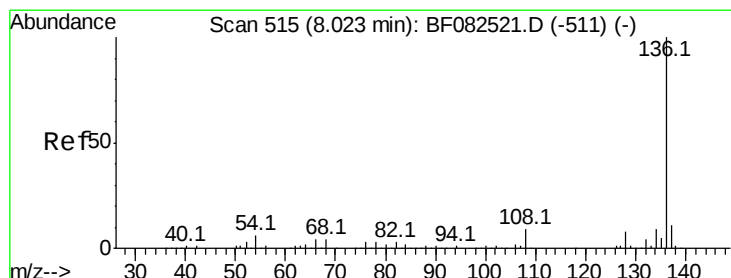
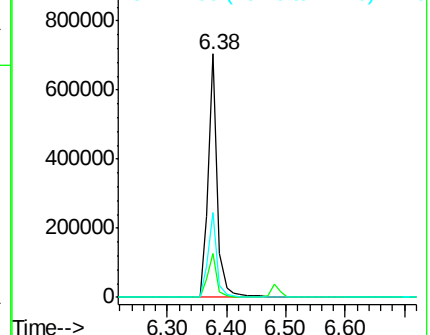
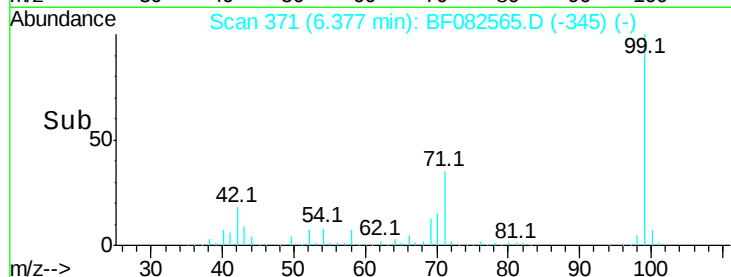
71 35.0 28.2 42.2



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: 8.00 min Scan# 513

Delta R.T. -0.02 min

Lab File: BF082565.D

Acq: 28 Oct 2015 00:07

Tgt Ion: 136 Resp: 312415

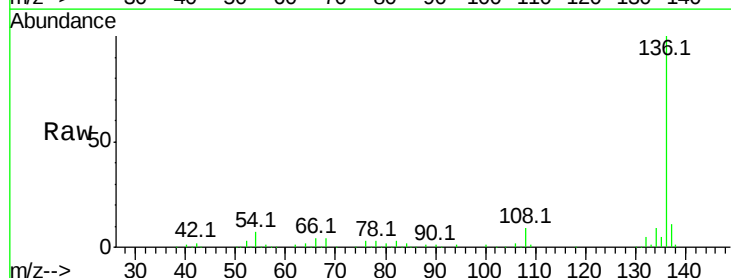
Ion Ratio Lower Upper

136 100

137 10.6 8.6 13.0

54 6.5 4.6 7.0

68 4.3 3.2 4.8

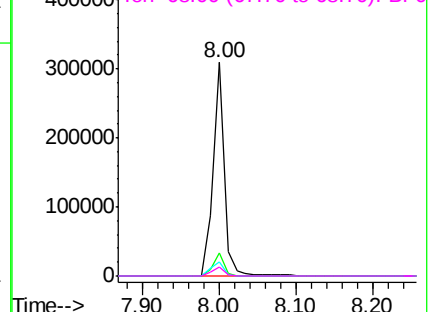
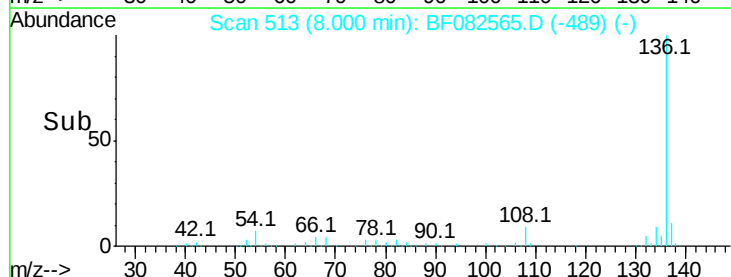


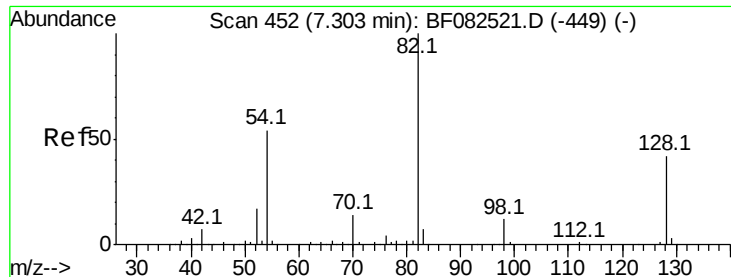
Abundance Ion 136.00 (135.70 to 136.70): E

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

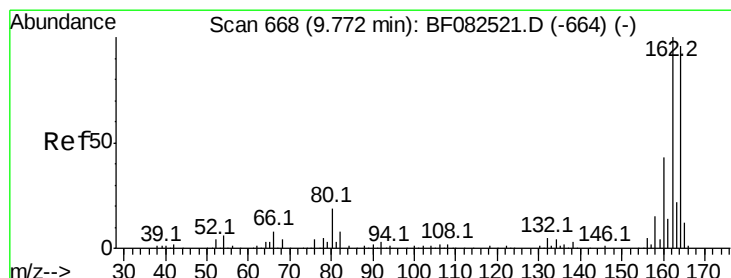
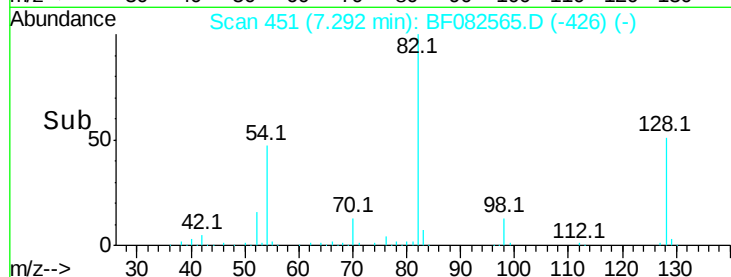
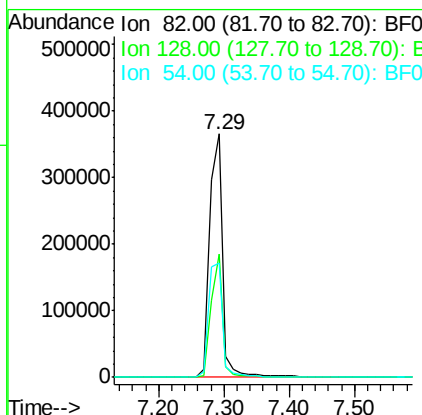
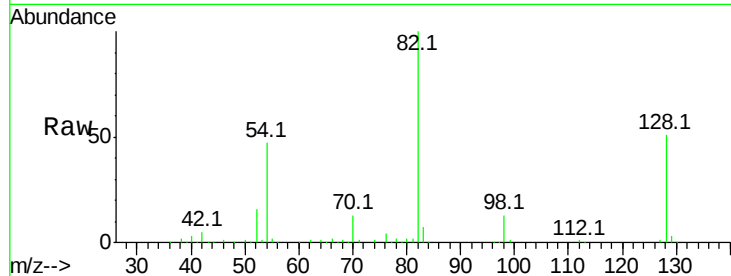




#23
 Nitrobenzene-d5
 Concen: 106.35 ng
 RT: 7.29 min Scan# 451
 Delta R.T. -0.01 min
 Lab File: BF082565.D
 Acq: 28 Oct 2015 00:07

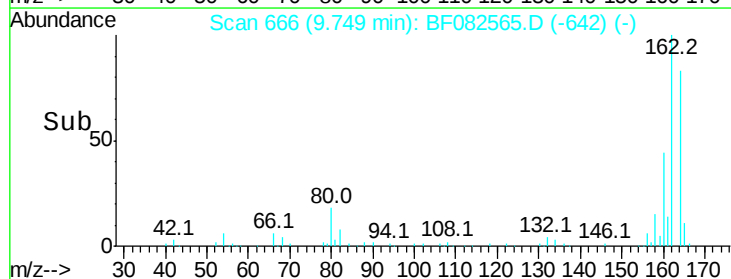
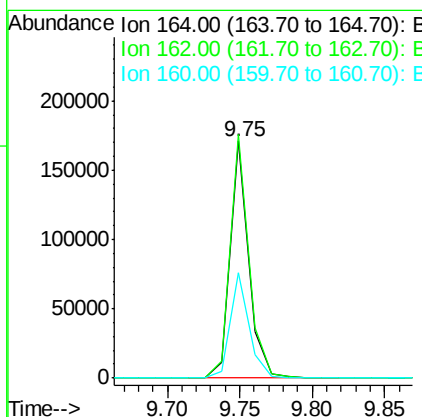
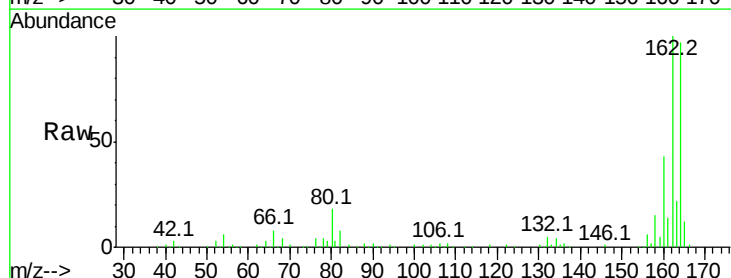
Instrument :
 BNA_F
 ClientSampleId :
 CWC-3-20151026

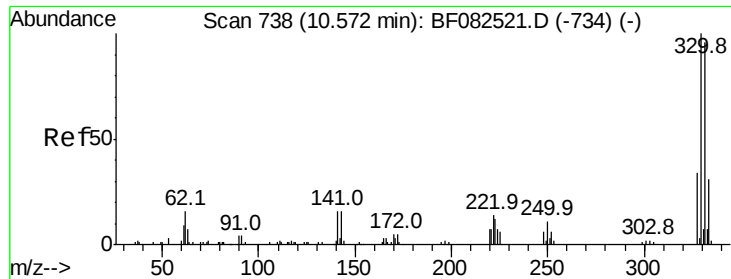
Tot Ion: 82 Resp: 514999
 Ion Ratio Lower Upper
 82 100
 128 50.8 33.4 50.0#
 54 47.2 43.5 65.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.75 min Scan# 666
 Delta R.T. -0.02 min
 Lab File: BF082565.D
 Acq: 28 Oct 2015 00:07

Tgt Ion:164 Resp: 150873
 Ion Ratio Lower Upper
 164 100
 162 102.7 83.6 125.4
 160 44.5 36.0 54.0

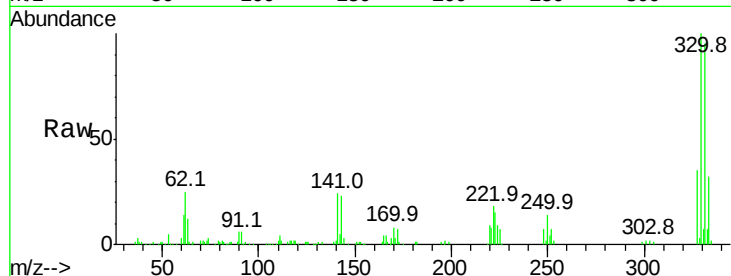




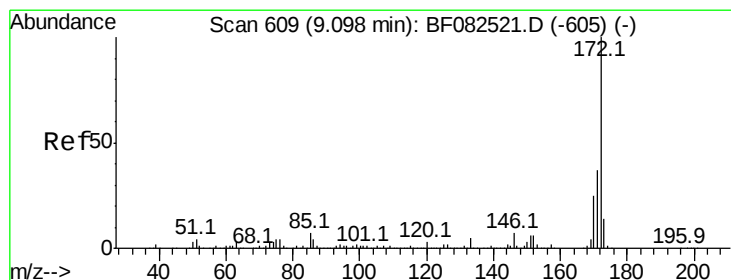
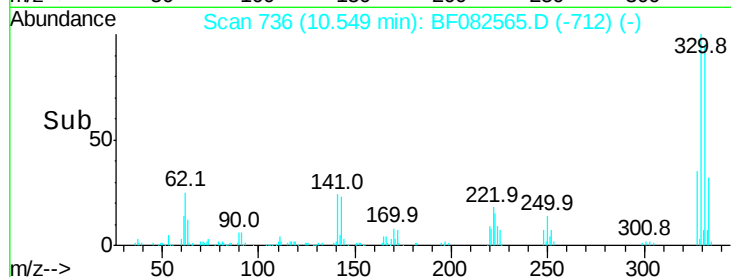
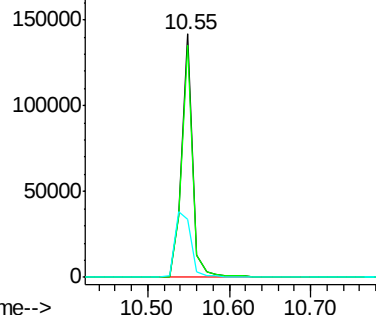
#41
 2,4,6-Tribromophenol
 Concen: 121.86 ng
 RT: 10.55 min Scan# 736
 Delta R.T. -0.02 min
 Lab File: BF082565.D
 Acq: 28 Oct 2015 00:07

Instrument :
 BNA_F
 ClientSampleId :
 CWC-3-20151026

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.4	116.0
141	39.1	32.5	48.7

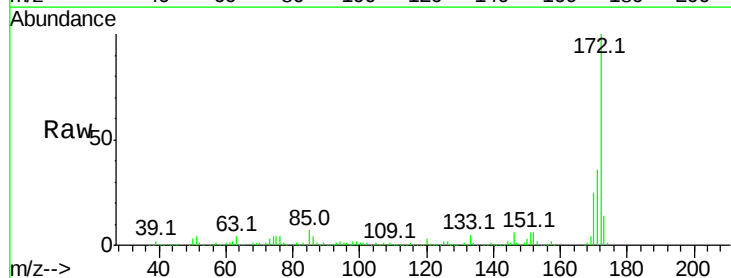


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

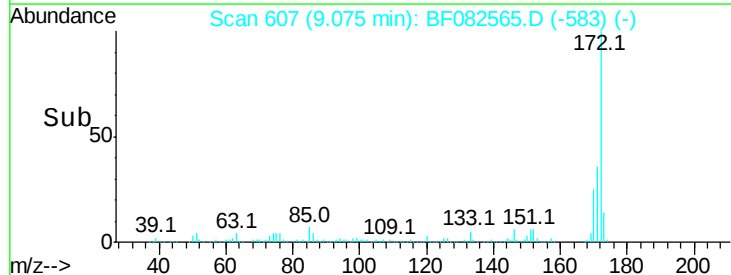
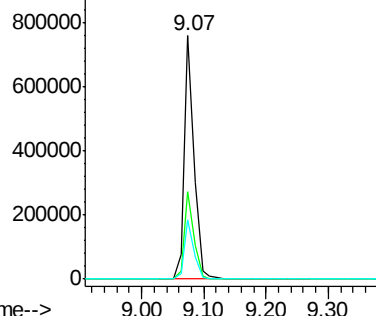


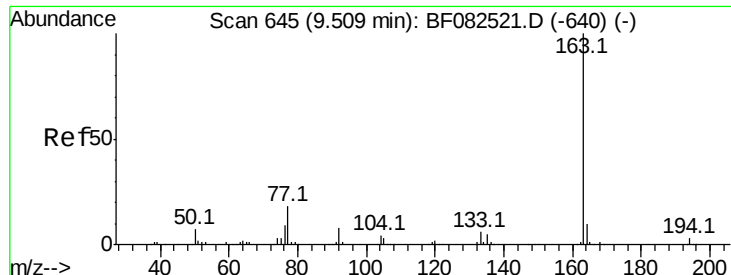
#44
 2-Fluorobiphenyl
 Concen: 86.08 ng
 RT: 9.07 min Scan# 607
 Delta R.T. -0.02 min
 Lab File: BF082565.D
 Acq: 28 Oct 2015 00:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.3	43.9
170	24.6	19.8	29.6



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





#49

Dimethylphthalate

Concen: 28.48 ng

RT: 9.47 min Scan# 642

Delta R.T. -0.03 min

Lab File: BF082565.D

Acq: 28 Oct 2015 00:07

Instrument :

BNA_F

ClientSampleId :

CWC-3-20151026

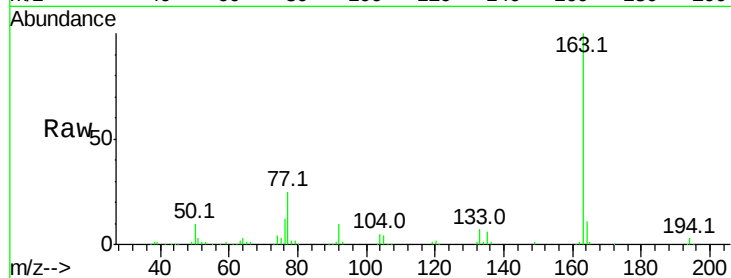
Tot Ion:163 Resp: 299004

Ion Ratio Lower Upper

163 100

194 3.0 2.8 4.2

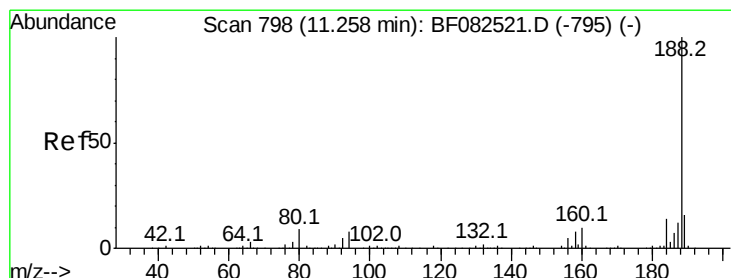
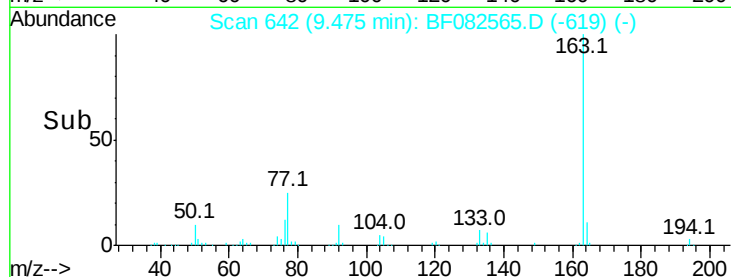
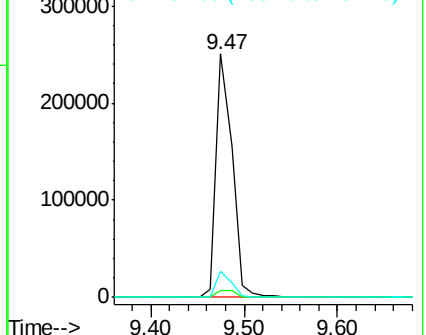
164 10.8 8.2 12.4



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.23 min Scan# 796

Delta R.T. -0.02 min

Lab File: BF082565.D

Acq: 28 Oct 2015 00:07

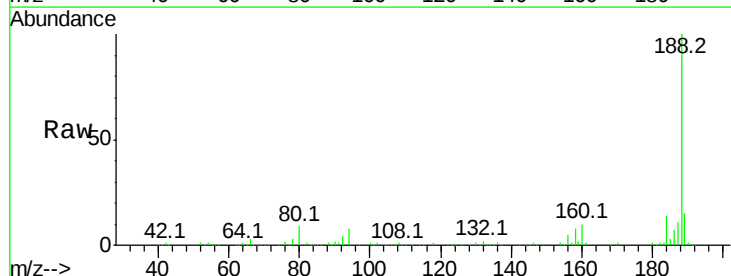
Tgt Ion:188 Resp: 268912

Ion Ratio Lower Upper

188 100

94 8.1 6.4 9.6

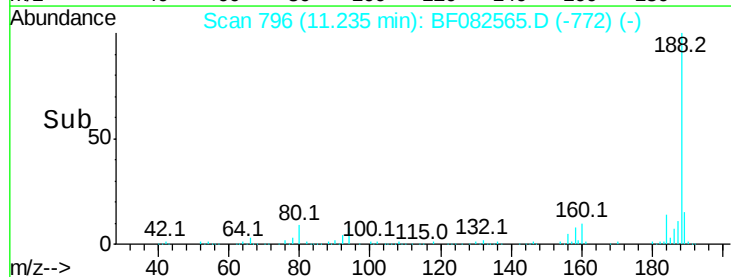
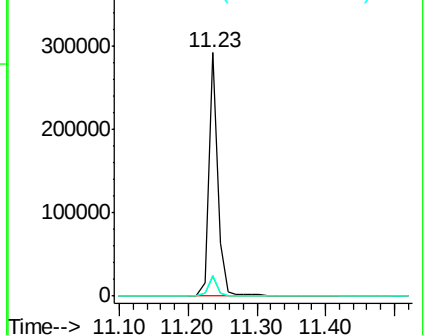
80 8.8 7.0 10.6

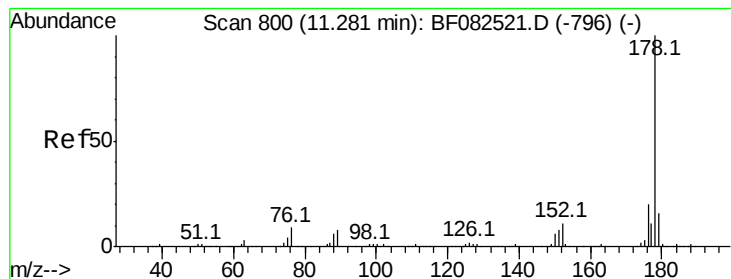


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 6.82 ng

RT: 11.26 min Scan# 798

Delta R.T. -0.02 min

Lab File: BF082565.D

Acq: 28 Oct 2015 00:07

Instrument :

BNA_F

ClientSampleId :

CWC-3-20151026

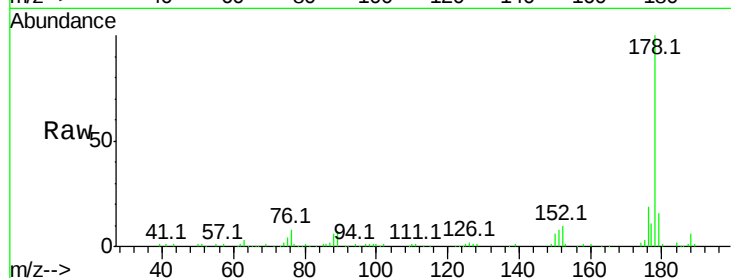
Tot Ion:178 Resp: 94399

Ion Ratio Lower Upper

178 100

176 19.1 15.9 23.9

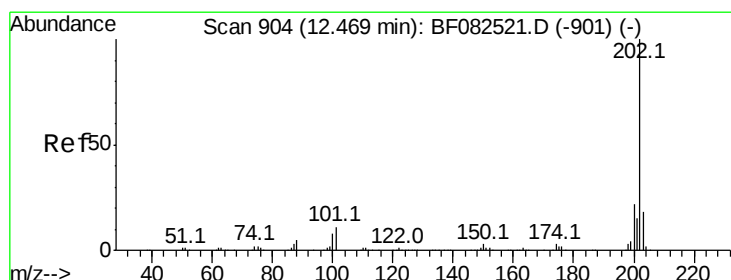
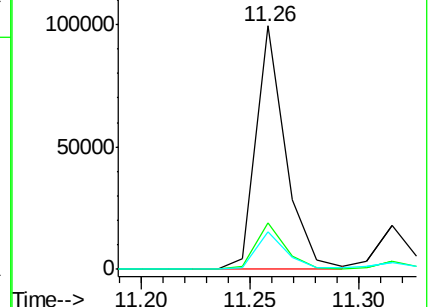
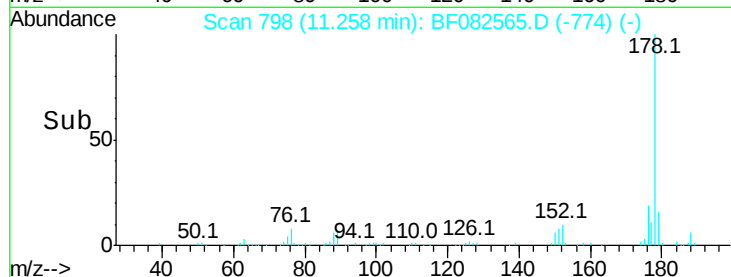
179 15.5 12.8 19.2



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



#74

Fluoranthene

Concen: 8.61 ng

RT: 12.45 min Scan# 902

Delta R.T. -0.02 min

Lab File: BF082565.D

Acq: 28 Oct 2015 00:07

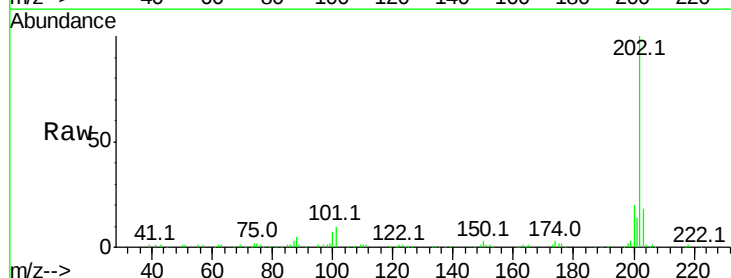
Tgt Ion:202 Resp: 122381

Ion Ratio Lower Upper

202 100

101 9.7 0.0 31.2

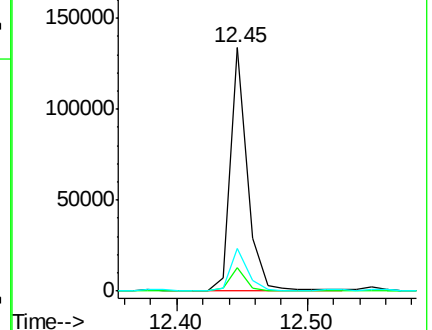
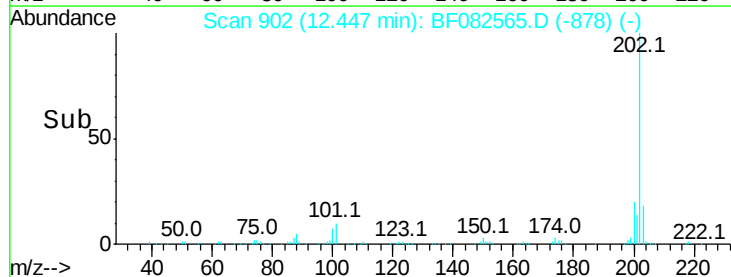
203 17.6 0.0 38.1

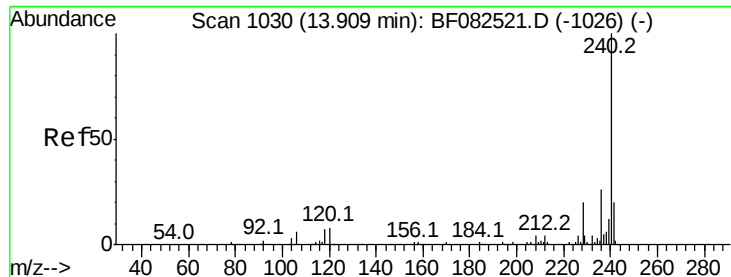


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.88 min Scan# 1027

Delta R.T. -0.03 min

Lab File: BF082565.D

Acq: 28 Oct 2015 00:07

Instrument :

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CWC-3-20151026

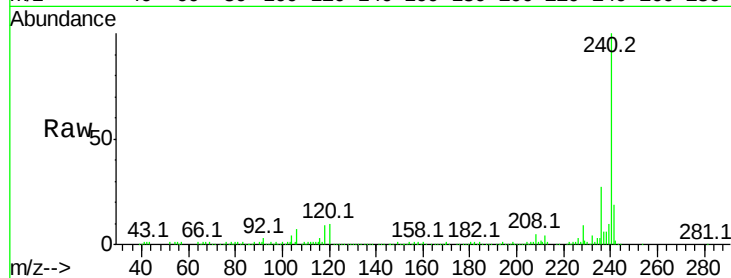
Tot Ion:240 Resp: 165297

Ion Ratio Lower Upper

240 100

120 10.2 6.5 9.7#

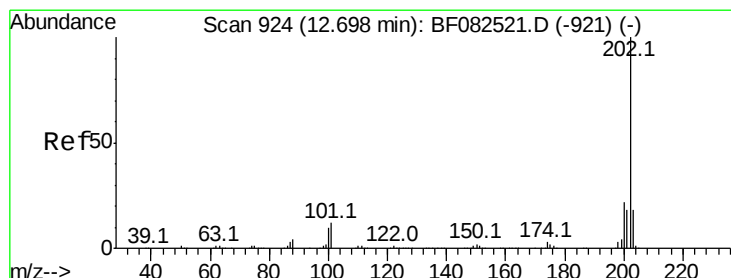
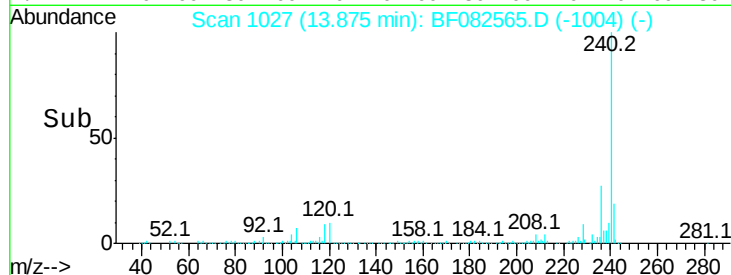
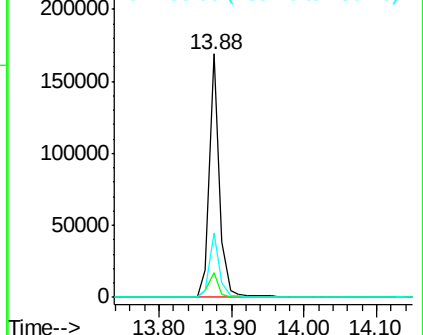
236 26.6 20.5 30.7



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: 11.53 ng

RT: 12.68 min Scan# 922

Delta R.T. -0.02 min

Lab File: BF082565.D

Acq: 28 Oct 2015 00:07

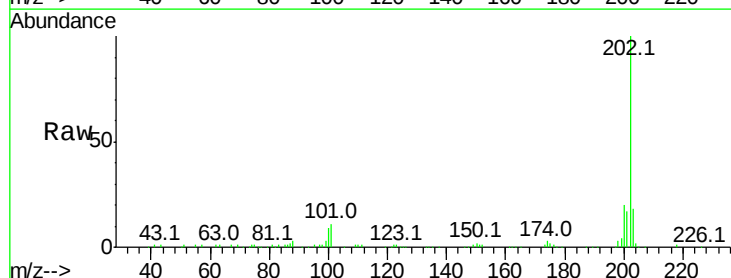
Tgt Ion:202 Resp: 117239

Ion Ratio Lower Upper

202 100

200 20.4 17.6 26.4

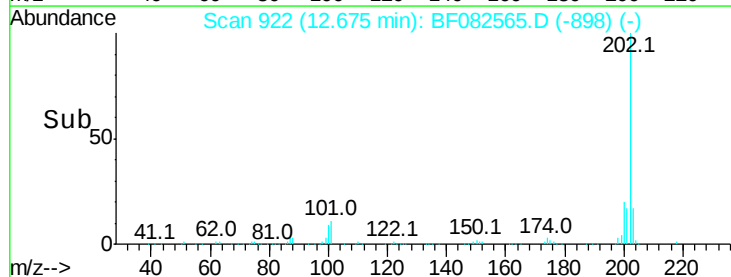
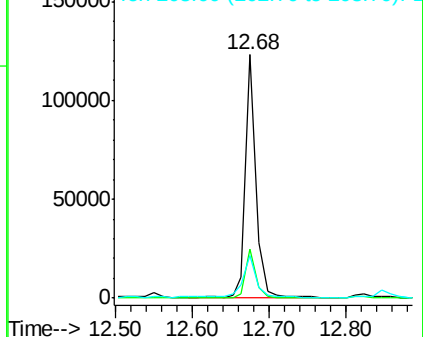
203 17.6 14.6 22.0

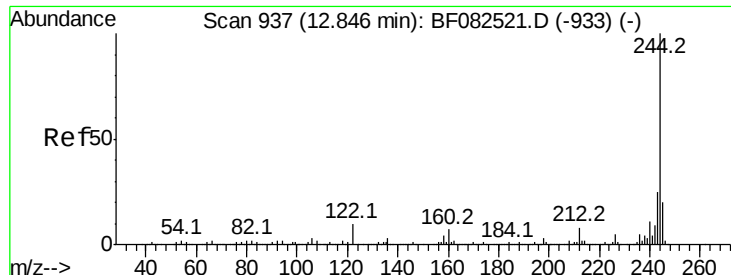


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

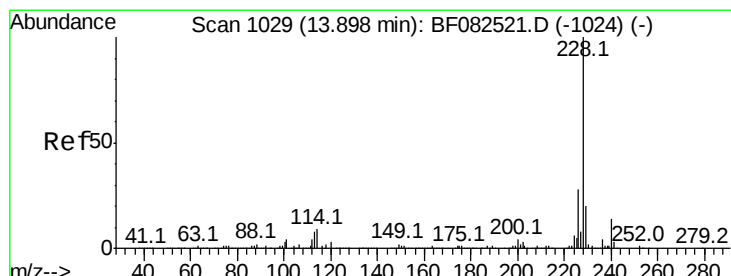
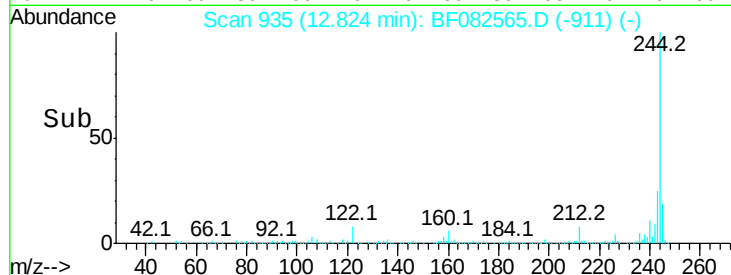
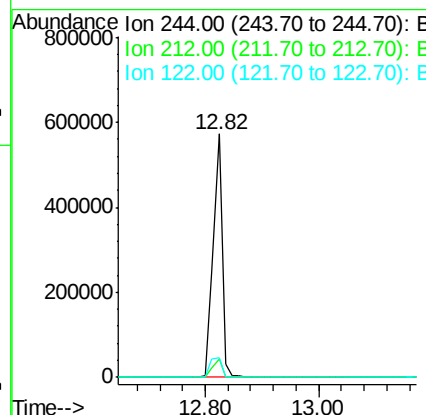
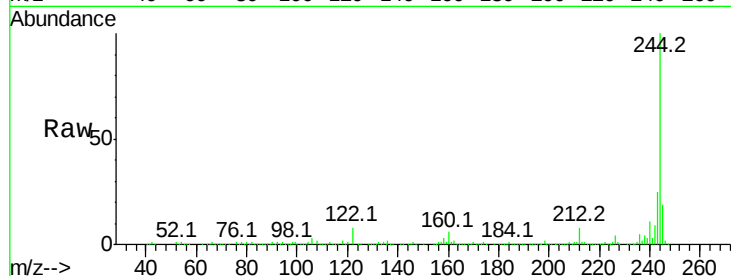




#78
 Terphenyl-d14
 Concen: 104.50 ng
 RT: 12.82 min Scan# 935
 Delta R.T. -0.02 min
 Lab File: BF082565.D
 Acq: 28 Oct 2015 00:07

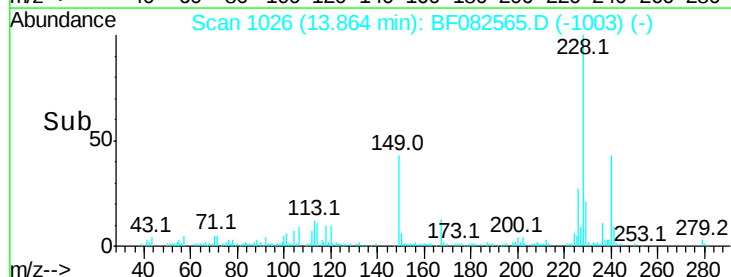
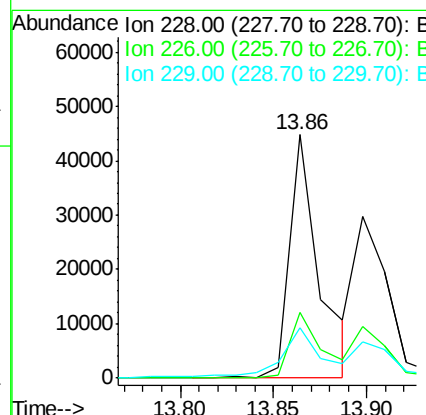
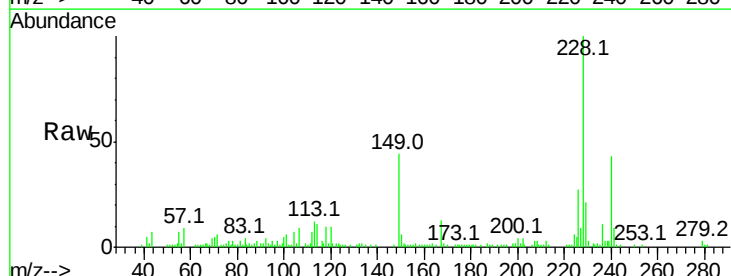
Instrument :
 BNA_F
 ClientSampleId :
 CWC-3-20151026

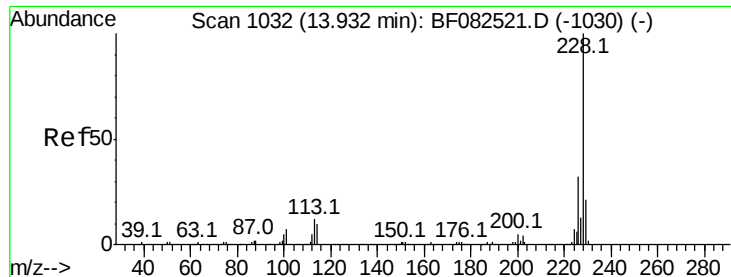
Tot Ion:244 Resp: 599572
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.4 9.6
 122 7.9 8.1 12.1#



#80
 Benzo(a)anthracene
 Concen: 5.60 ng
 RT: 13.86 min Scan# 1026
 Delta R.T. -0.03 min
 Lab File: BF082565.D
 Acq: 28 Oct 2015 00:07

Tgt Ion:228 Resp: 49610
 Ion Ratio Lower Upper
 228 100
 226 27.1 22.1 33.1
 229 20.8 16.1 24.1





#82

Chrysene

Concen: 4.52 ng

RT: 13.90 min Scan# 1029

Delta R.T. -0.03 min

Lab File: BF082565.D

Acq: 28 Oct 2015 00:07

Instrument :

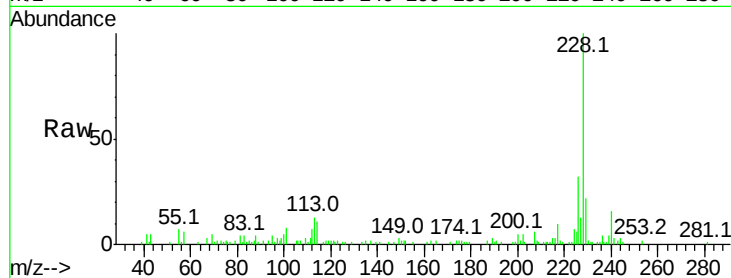
BNA_F

ClientSampleId :

CWC-3-20151026

Tot Ion:228 Resp: 37850

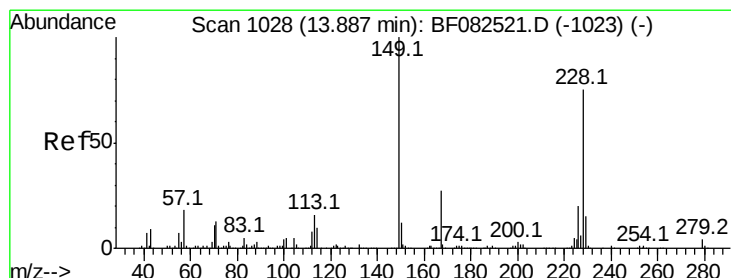
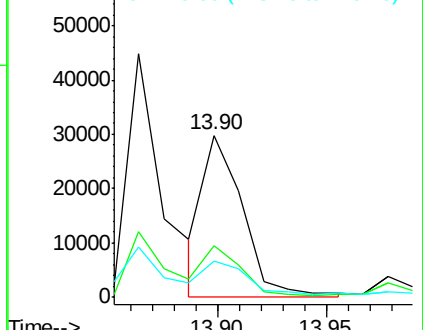
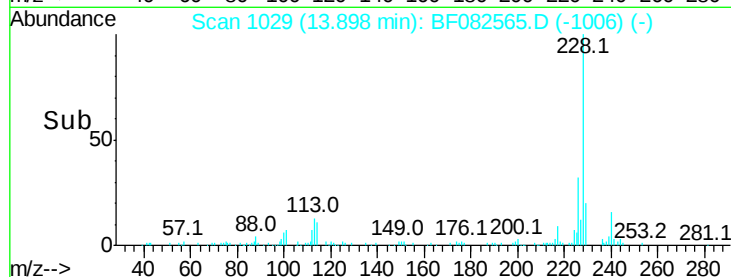
Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.2	37.8
229	22.4	16.3	24.5



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 26.91 ng

RT: 13.85 min Scan# 1025

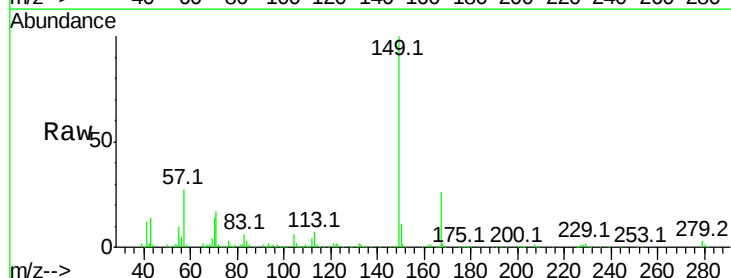
Delta R.T. -0.03 min

Lab File: BF082565.D

Acq: 28 Oct 2015 00:07

Tgt Ion:149 Resp: 154054

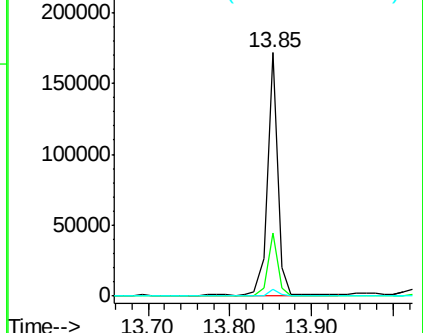
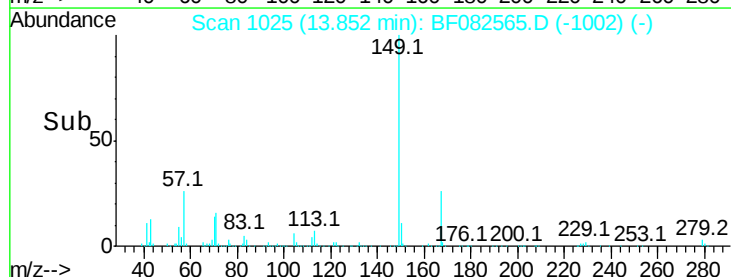
Ion	Ratio	Lower	Upper
149	100		
167	25.8	21.8	32.6
279	2.8	3.0	4.6#

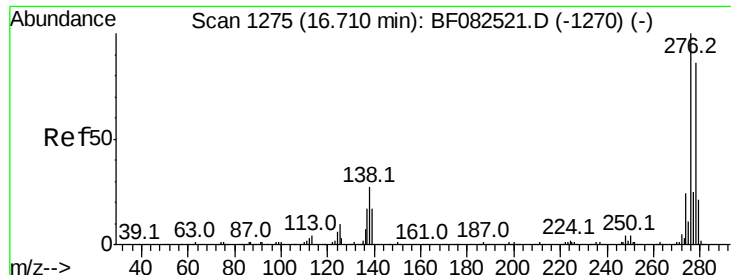


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

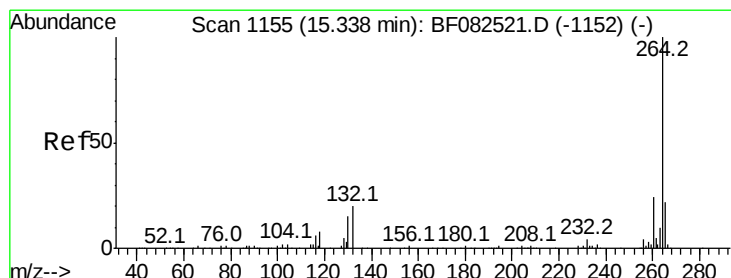
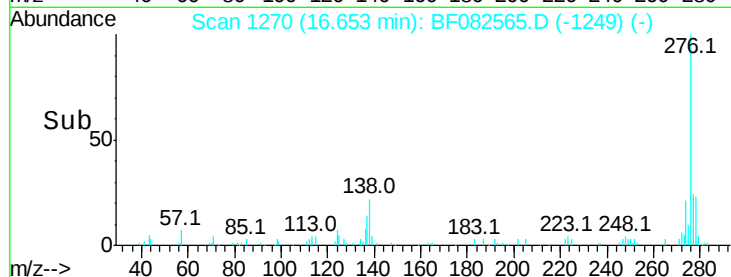
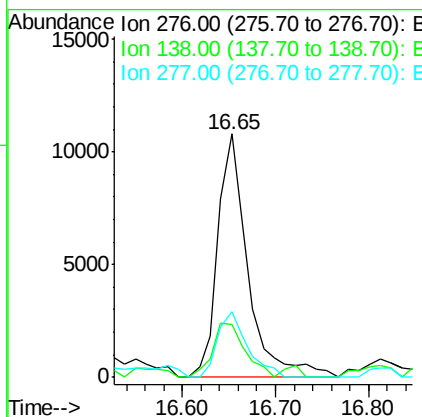
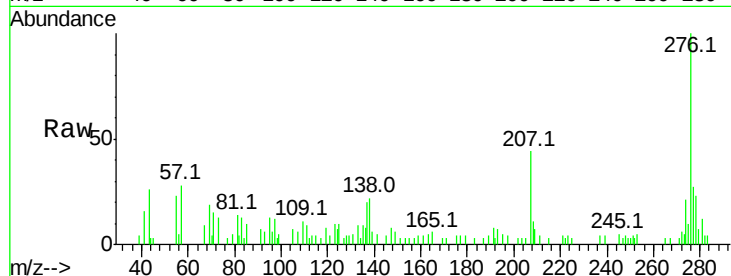




#85
Indeno(1,2,3-cd)pyrene
Concen: 3.17 ng
RT: 16.65 min Scan# 1270
Delta R.T. -0.06 min
Lab File: BF082565.D
Acq: 28 Oct 2015 00:07

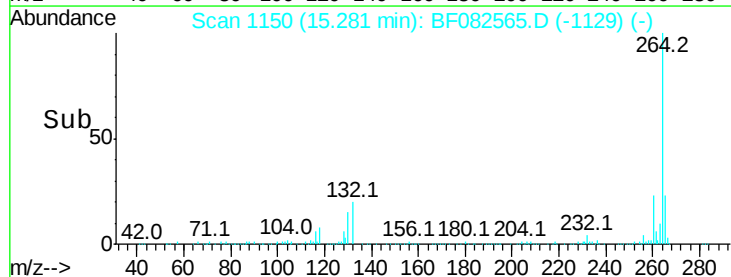
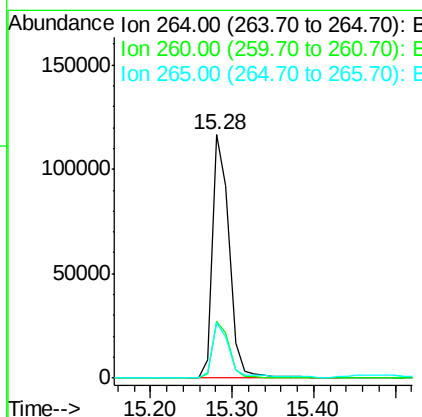
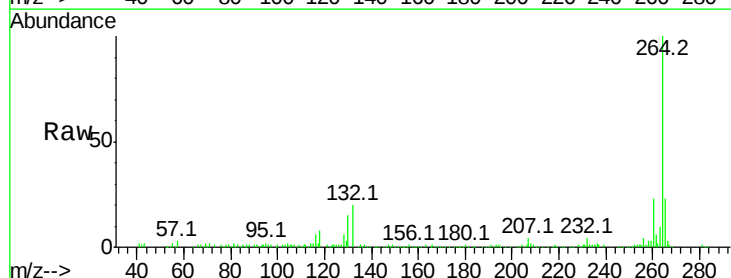
Instrument :
BNA_F
ClientSampleId :
CWC-3-20151026

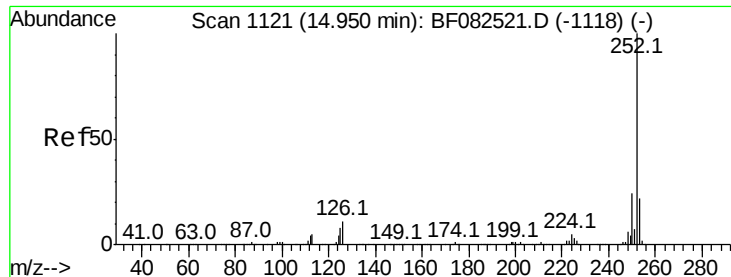
Tot Ion:276 Resp: 24346
Ion Ratio Lower Upper
276 100
138 24.0 20.6 30.8
277 26.6 19.9 29.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.28 min Scan# 1150
Delta R.T. -0.06 min
Lab File: BF082565.D
Acq: 28 Oct 2015 00:07

Tgt Ion:264 Resp: 168174
Ion Ratio Lower Upper
264 100
260 23.4 19.0 28.6
265 22.5 17.8 26.6





#87

Benzo(b)fluoranthene

Concen: 4.38 ng m

RT: 14.89 min Scan# 1116

Delta R.T. -0.06 min

Lab File: BF082565.D

Acq: 28 Oct 2015 00:07

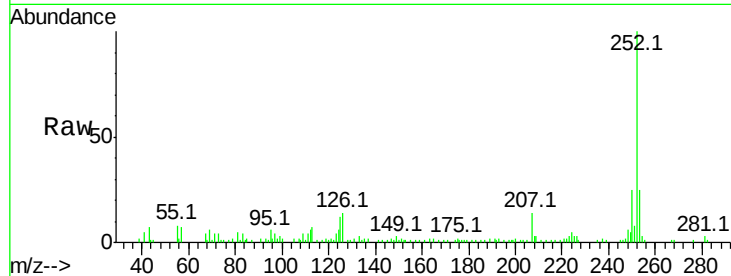
Instrument :

BNA_F

ClientSampleId :

CWC-3-20151026

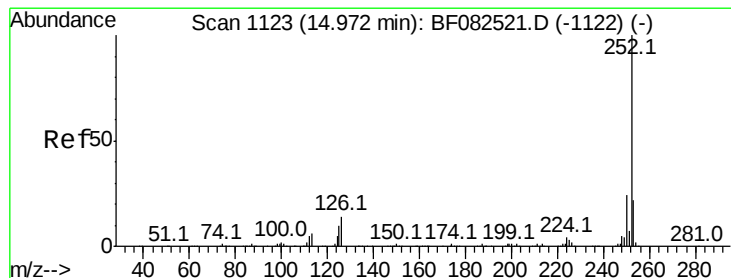
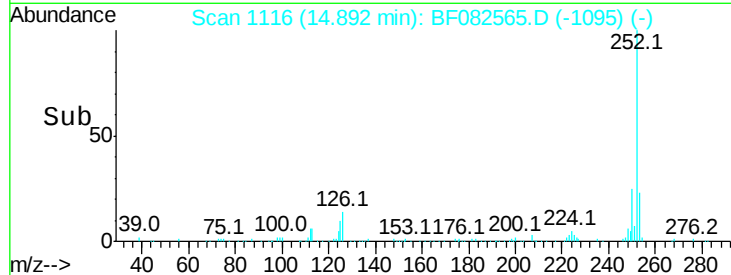
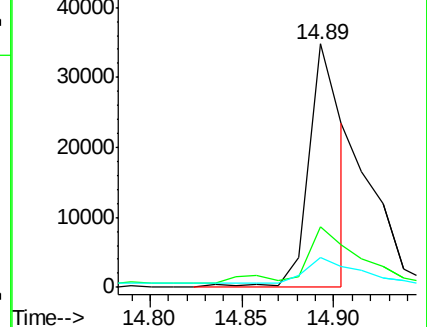
Tot Ion:252	Resp:	43767
Ion Ratio	Lower	Upper
252	100	
253	24.8	17.8 26.8
125	12.1	6.6 10.0#



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



#88

Benzo(k)fluoranthene

Concen: 2.93 ng m

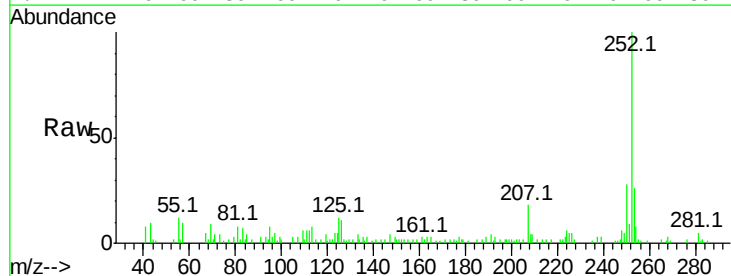
RT: 14.90 min Scan# 1117

Delta R.T. -0.07 min

Lab File: BF082565.D

Acq: 28 Oct 2015 00:07

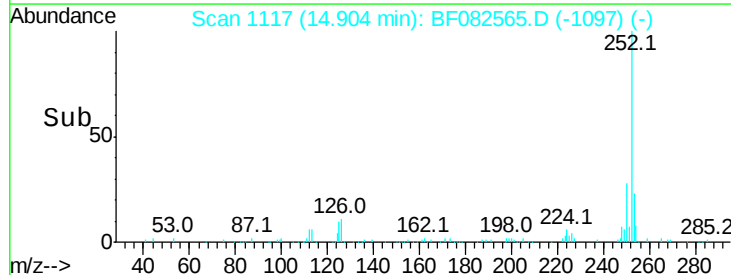
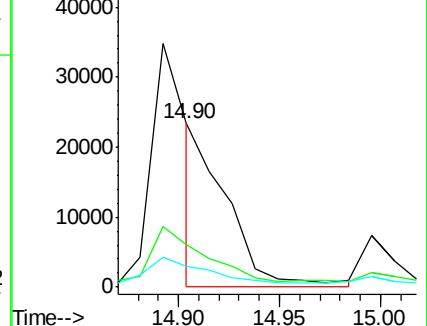
Tgt Ion:252	Resp:	23847
Ion Ratio	Lower	Upper
252	100	
253	25.8	17.8 26.6
125	12.4	8.7 13.1

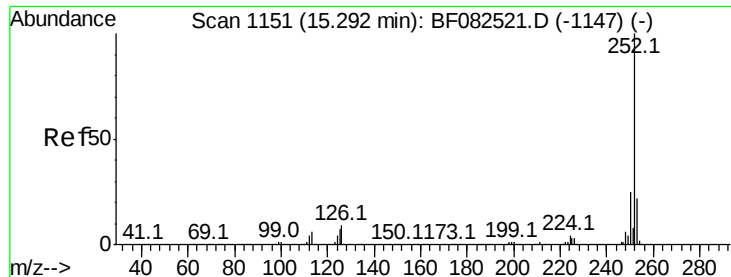


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

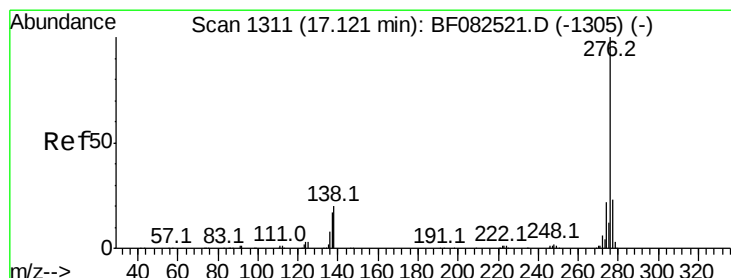
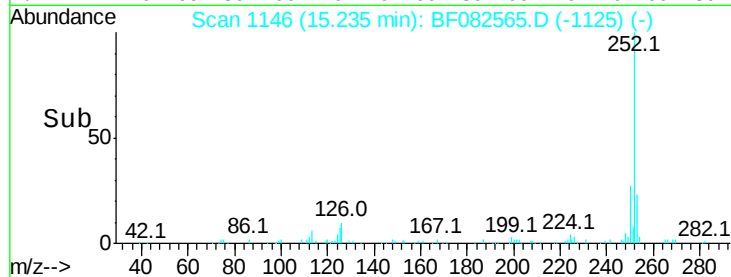
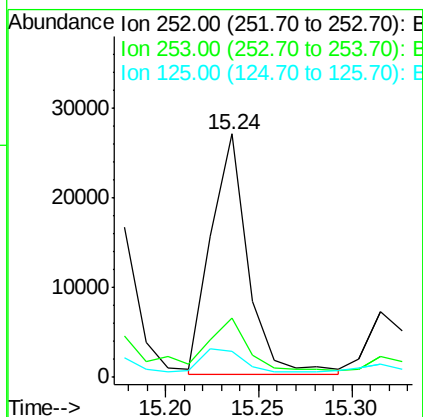
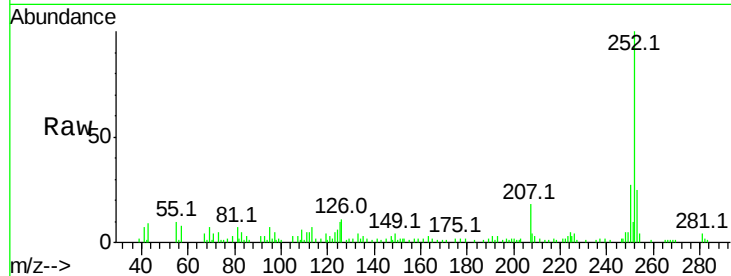




#89
Benzo(a)pyrene
Concen: 4.27 ng
RT: 15.24 min Scan# 1146
Delta R.T. -0.06 min
Lab File: BF082565.D
Acq: 28 Oct 2015 00:07

Instrument :
BNA_F
ClientSampleId :
CWC-3-20151026

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.3	25.9
125	10.4	5.9	8.9#



#91
Benzo(g,h,i)perylene
Concen: 3.26 ng
RT: 17.05 min Scan# 1305
Delta R.T. -0.07 min
Lab File: BF082565.D
Acq: 28 Oct 2015 00:07

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.7	18.3	27.5
138	24.4	16.0	24.0#

