

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120315\
 Data File : BF083476.D
 Acq On : 3 Dec 2015 23:22
 Operator : UM/IZ
 Sample : G4608-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CWC-MISC-7-20151130

Quant Time: Dec 04 00:47:24 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 01 01:17:16 2015
 Response via : Initial Calibration

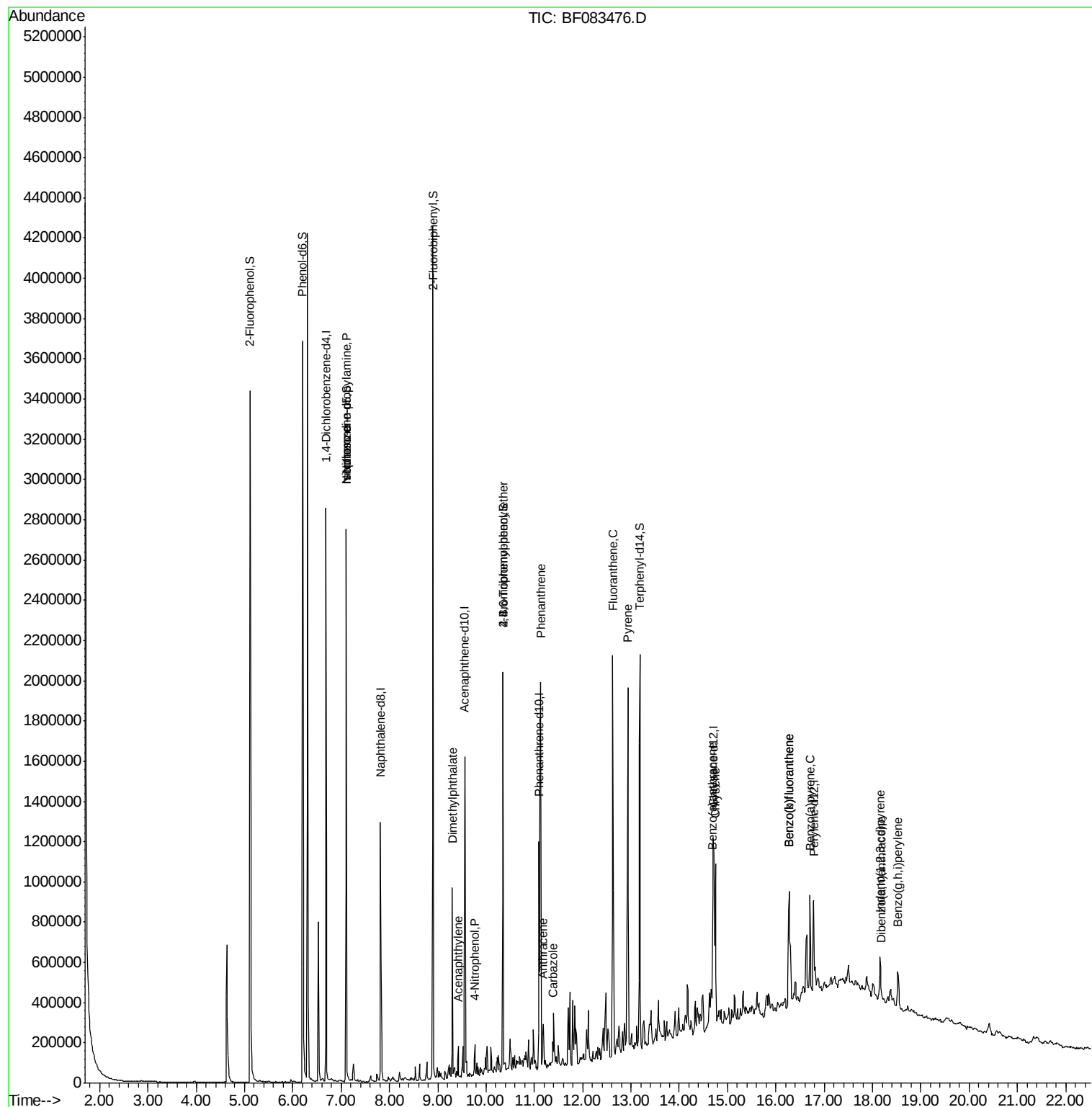
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	461598	20.00	ng	0.14
21) Naphthalene-d8	7.81	136	634339	20.00	ng	-0.02
38) Acenaphthene-d10	9.56	164	304504	20.00	ng	-0.02
63) Phenanthrene-d10	11.09	188	467962	20.00	ng	-0.03
75) Chrysene-d12	14.72	240	376001	20.00	ng	-0.05
86) Perylene-d12	16.79	264	300904	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.12	112	1036441	33.69	ng	-0.01
7) Phenol-d6	6.20	99	1346752	31.99	ng	-0.02
23) Nitrobenzene-d5	7.10	82	979331	67.87	ng	-0.02
41) 2,4,6-Tribromophenol	10.35	330	227621	74.46	ng	-0.03
44) 2-Fluorobiphenyl	8.90	172	1269324	59.40	ng	-0.02
78) Terphenyl-d14	13.19	244	901515	57.18	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.20	77	1496	Below Cal	#	6
19) n-Nitroso-di-n-propylamine	7.10	70	132279	4.40	ng	# 80
25) Isophorone	7.10	82	740092	26.48	ng	# 70
48) Acenaphthylene	9.42	152	76704	2.36	ng	97
49) Dimethylphthalate	9.30	163	343229	13.87	ng	99
55) 4-Nitrophenol	9.77	139	21116	5.45	ng	# 1
66) 4-Bromophenyl-phenylether	10.35	248	15882	3.10	ng	# 1
70) Phenanthrene	11.13	178	933909	33.72	ng	99
71) Anthracene	11.18	178	114410	4.10	ng	97
72) Carbazole	11.38	167	59906	2.39	ng	98
74) Fluoranthene	12.63	202	1069182	37.25	ng	97
77) Pyrene	12.93	202	945935	36.02	ng	98
80) Benzo(a)anthracene	14.69	228	375185	16.29	ng	97
82) Chrysene	14.75	228	412791	18.55	ng	98
85) Indeno(1,2,3-cd)pyrene	18.16	276	142500	8.79	ng	95
87) Benzo(b)fluoranthene	16.27	252	526325	27.26	ng	99
88) Benzo(k)fluoranthene	16.27	252	526325	28.87	ng	# 95
89) Benzo(a)pyrene	16.71	252	257771	15.54	ng	# 96
90) Dibenzo(a,h)anthracene	18.18	278	44553	3.08	ng	# 89
91) Benzo(g,h,i)perylene	18.52	276	132226	9.32	ng	# 94

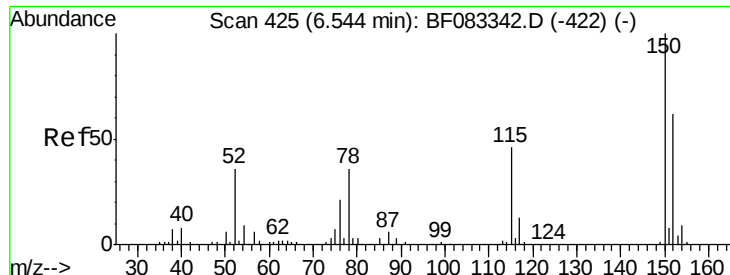
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120315\
Data File : BF083476.D
Acq On : 3 Dec 2015 23:22
Operator : UM/IZ
Sample : G4608-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CWC-MISC-7-20151130

Quant Time: Dec 04 00:47:24 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 01 01:17:16 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 437

Delta R.T. 0.14 min

Lab File: BF083476.D

Acq: 3 Dec 2015 23:22

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-7-20151130

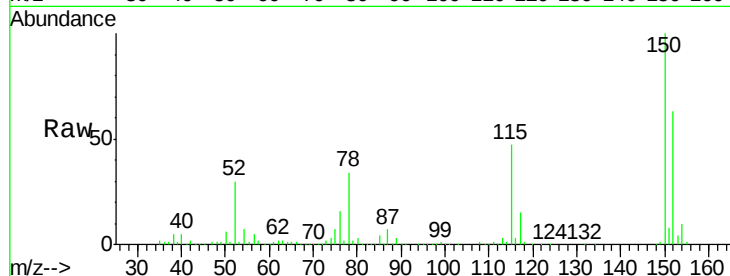
Tgt Ion:152 Resp: 461598

Ion Ratio Lower Upper

152 100

150 158.3 129.8 194.8

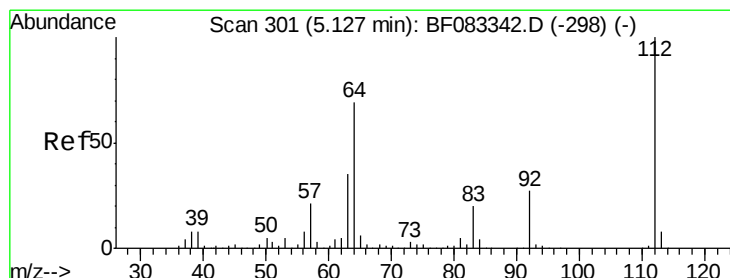
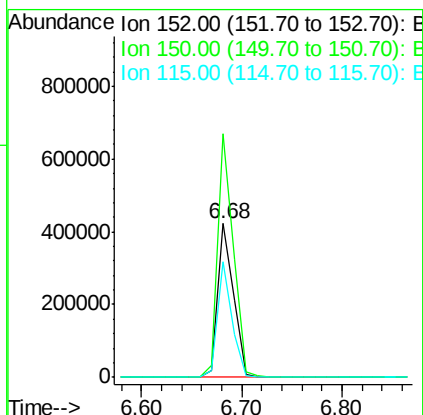
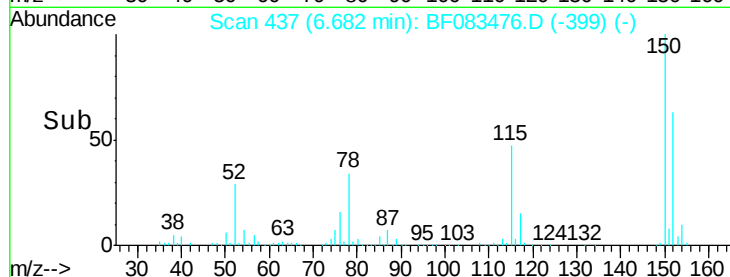
115 75.2 59.2 88.8



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: 33.69 ng

RT: 5.12 min Scan# 300

Delta R.T. -0.01 min

Lab File: BF083476.D

Acq: 3 Dec 2015 23:22

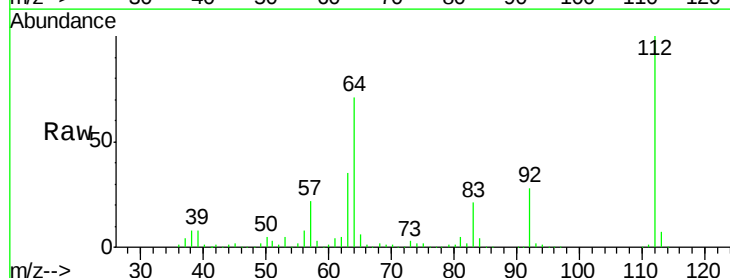
Tgt Ion:112 Resp: 1036441

Ion Ratio Lower Upper

112 100

64 70.7 55.6 83.4

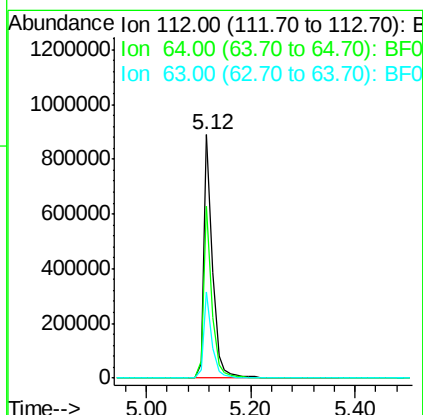
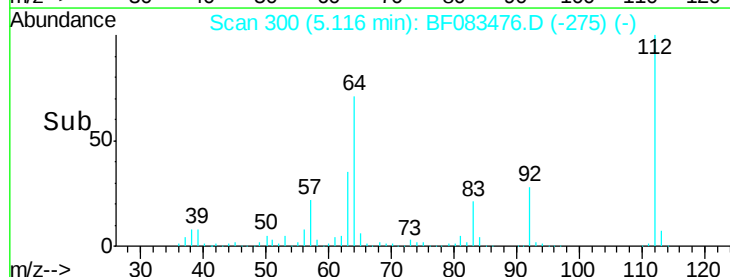
63 35.3 28.2 42.2



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: 31.99 ng

RT: 6.20 min Scan# 395

Delta R.T. -0.02 min

Lab File: BF083476.D

Acq: 3 Dec 2015 23:22

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-7-20151130

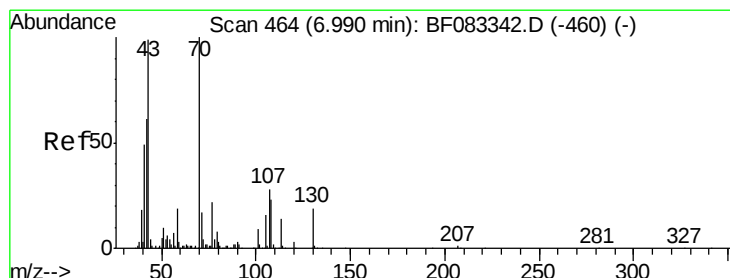
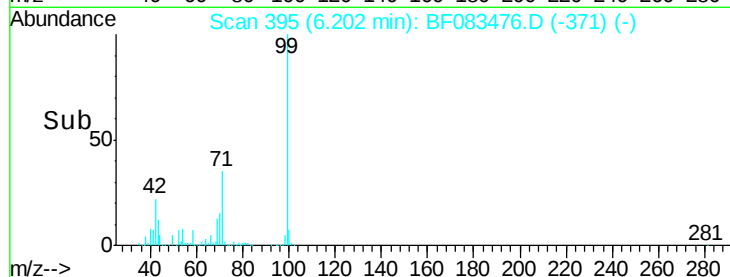
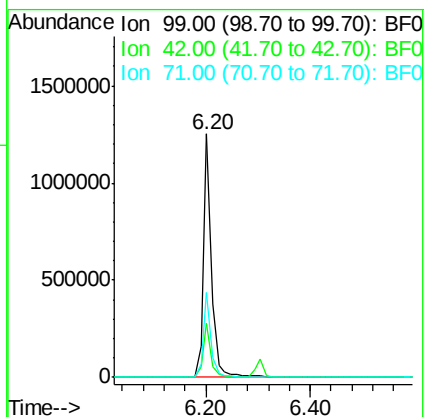
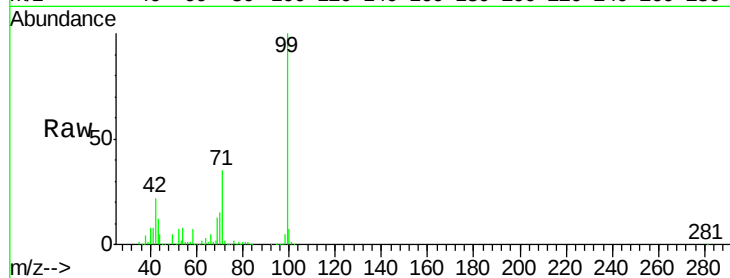
Tgt Ion: 99 Resp: 1346752

Ion Ratio Lower Upper

99 100

42 22.1 14.9 22.3

71 35.0 24.7 37.1



#19

n-Nitroso-di-n-propylamine

Concen: 4.40 ng

RT: 7.10 min Scan# 474

Delta R.T. 0.11 min

Lab File: BF083476.D

Acq: 3 Dec 2015 23:22

Tgt Ion: 70 Resp: 132279

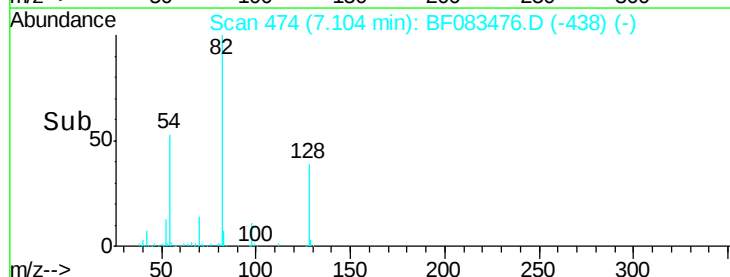
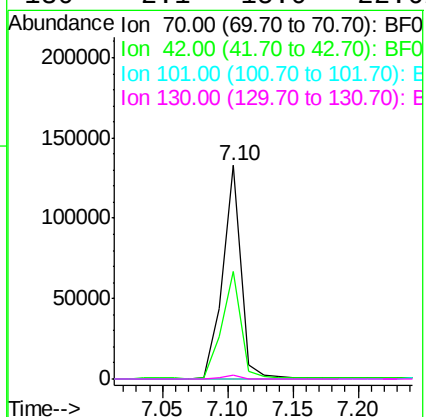
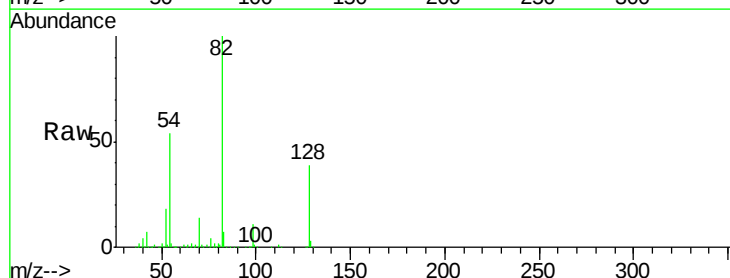
Ion Ratio Lower Upper

70 100

42 50.4 48.8 73.2

101 0.0 7.1 10.7#

130 2.1 15.0 22.6#

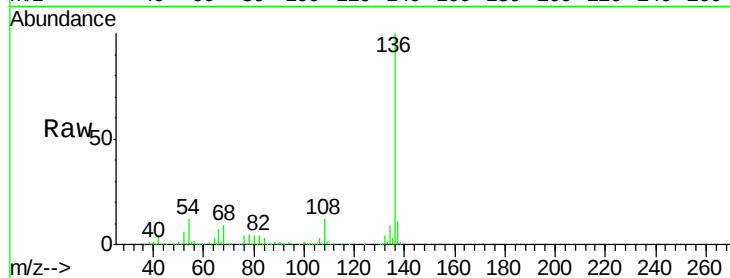




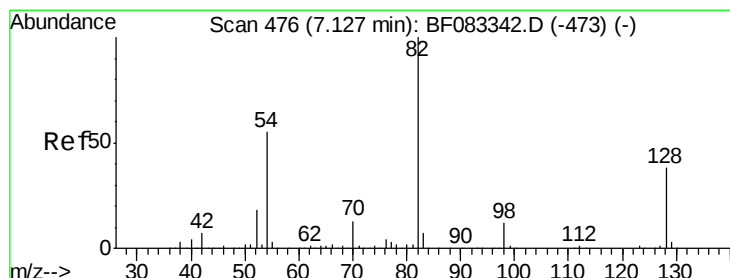
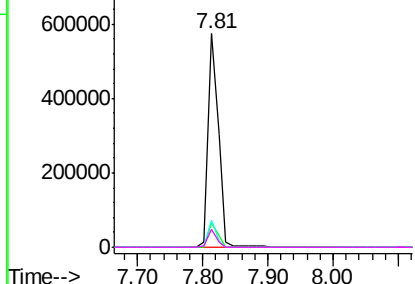
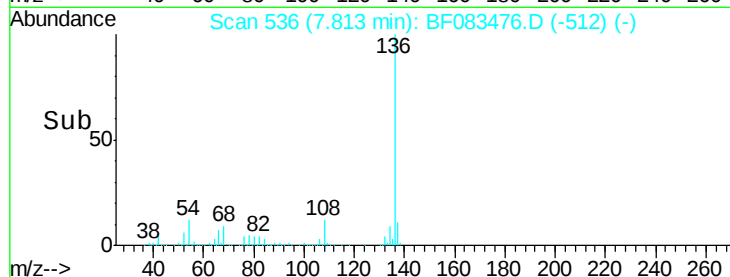
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.81 min Scan# 536
Delta R.T. -0.02 min
Lab File: BF083476.D
Acq: 3 Dec 2015 23:22

Instrument :
BNA_F
ClientSampleId :
CWC-MISC-7-20151130

Tgt Ion:	136	Resp:	634339
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	12.5	10.1	15.1
68	8.7	7.1	10.7

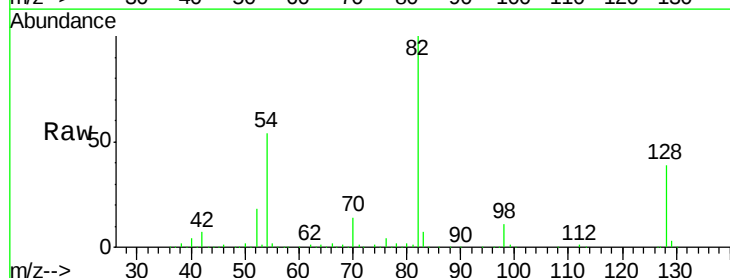


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

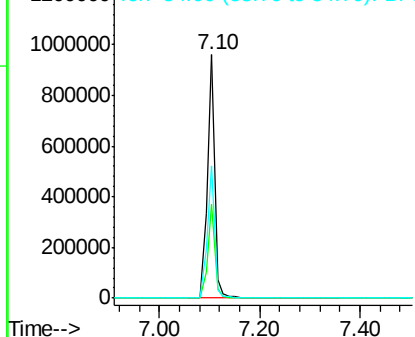
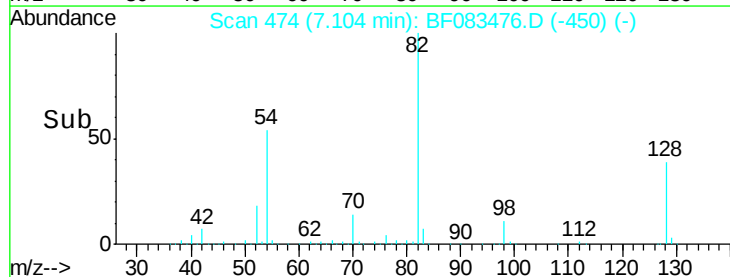


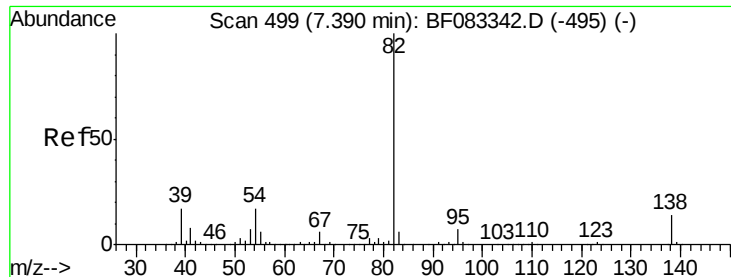
#23
Nitrobenzene-d5
Concen: 67.87 ng
RT: 7.10 min Scan# 474
Delta R.T. -0.02 min
Lab File: BF083476.D
Acq: 3 Dec 2015 23:22

Tgt Ion:	82	Resp:	979331
Ion	Ratio	Lower	Upper
82	100		
128	38.6	30.6	46.0
54	54.1	43.8	65.6



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





#25

Isophorone

Concen: 26.48 ng

RT: 7.10 min Scan# 474

Delta R.T. -0.29 min

Lab File: BF083476.D

Acq: 3 Dec 2015 23:22

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-7-20151130

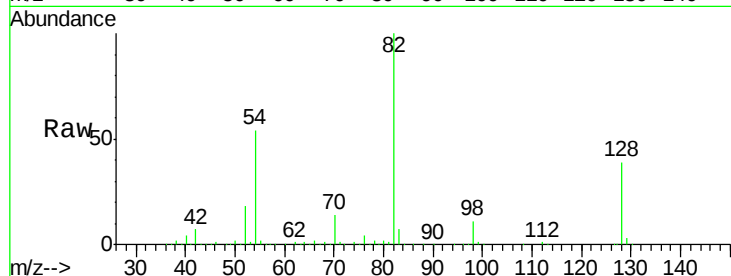
Tgt Ion: 82 Resp: 740092

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

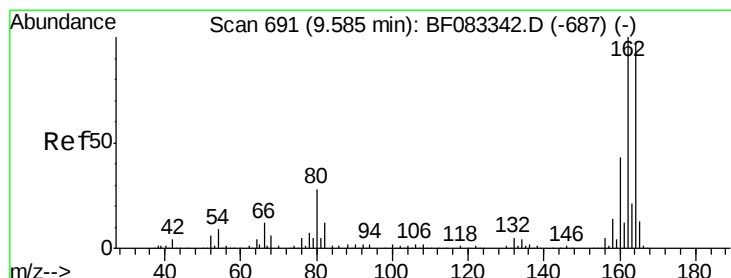
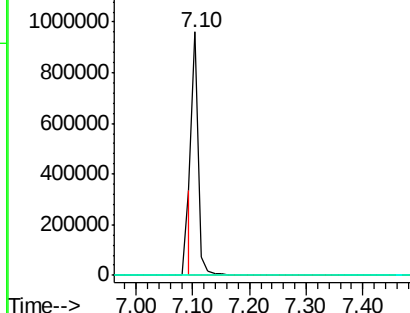
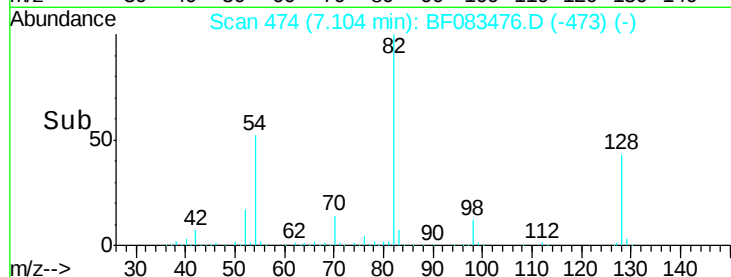
138 0.0 11.6 17.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.56 min Scan# 689

Delta R.T. -0.02 min

Lab File: BF083476.D

Acq: 3 Dec 2015 23:22

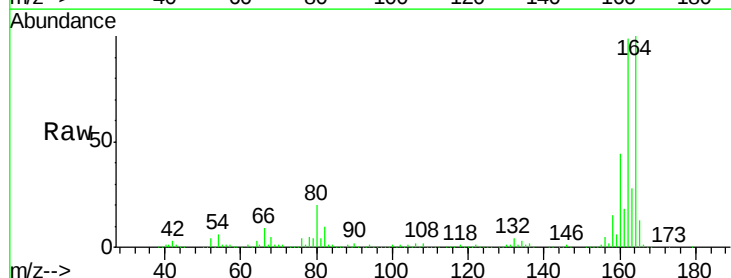
Tgt Ion: 164 Resp: 304504

Ion Ratio Lower Upper

164 100

162 99.5 82.6 123.8

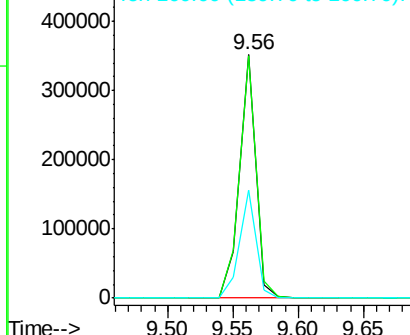
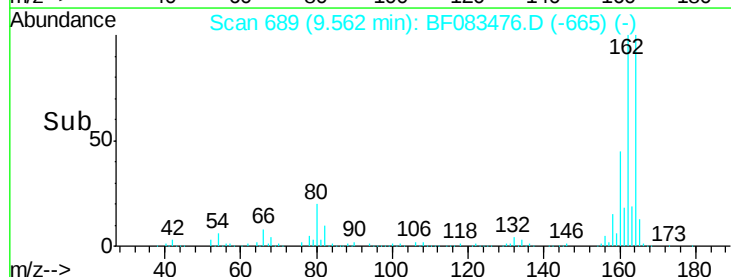
160 44.2 35.3 52.9

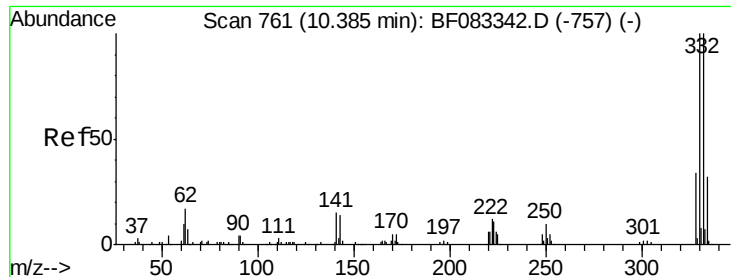


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

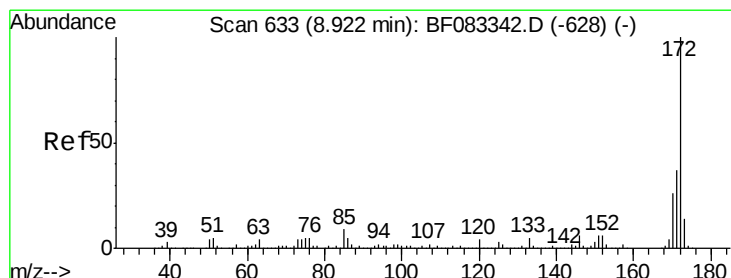
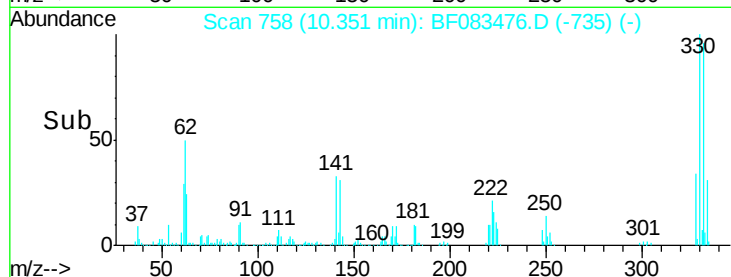
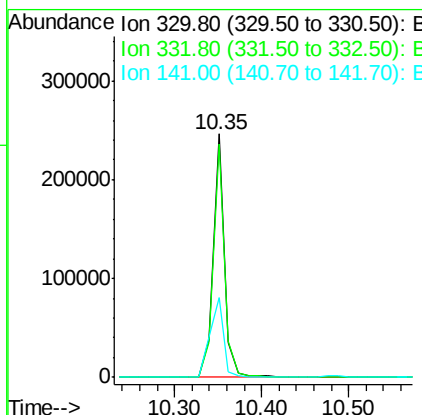
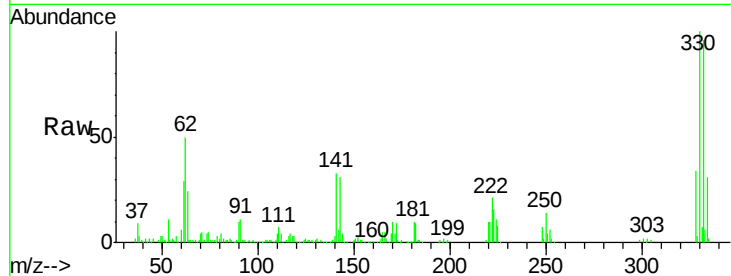




#41
 2,4,6-Tribromophenol
 Concen: 74.46 ng
 RT: 10.35 min Scan# 758
 Delta R.T. -0.03 min
 Lab File: BF083476.D
 Acq: 3 Dec 2015 23:22

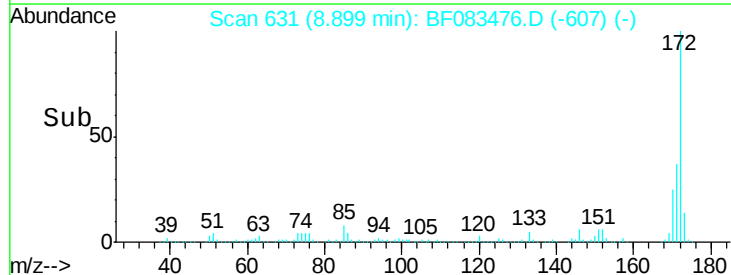
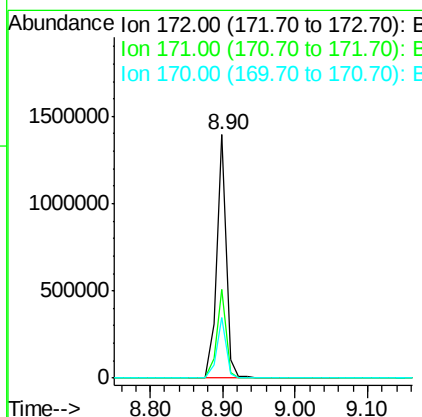
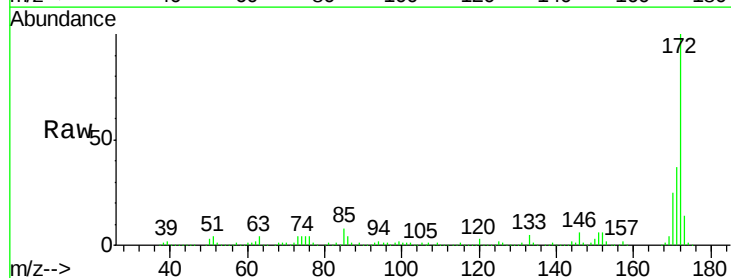
Instrument :
 BNA_F
 ClientSampleId :
 CWC-MISC-7-20151130

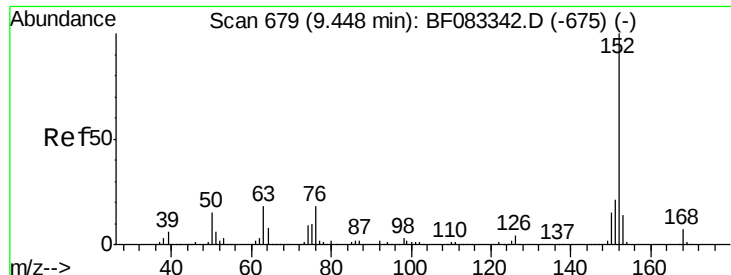
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.8	116.6
141	39.1	29.4	44.0



#44
 2-Fluorobiphenyl
 Concen: 59.40 ng
 RT: 8.90 min Scan# 631
 Delta R.T. -0.02 min
 Lab File: BF083476.D
 Acq: 3 Dec 2015 23:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.4	44.0
170	24.9	20.4	30.6





#48

Acenaphthylene

Concen: 2.36 ng

RT: 9.42 min Scan# 677

Delta R.T. -0.02 min

Lab File: BF083476.D

Acq: 3 Dec 2015 23:22

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-7-20151130

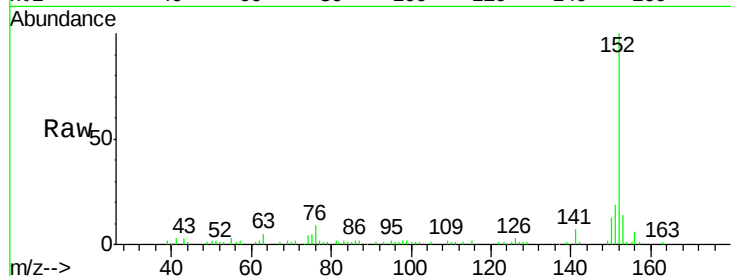
Tgt Ion:152 Resp: 76704

Ion Ratio Lower Upper

152 100

151 19.1 16.7 25.1

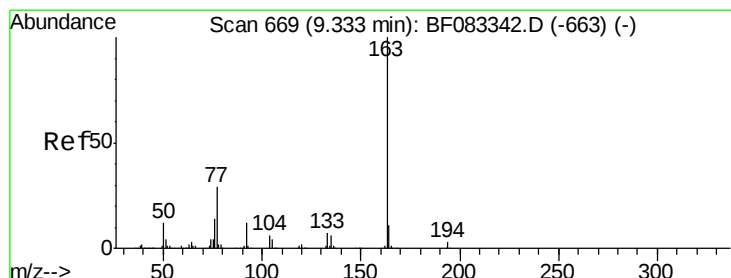
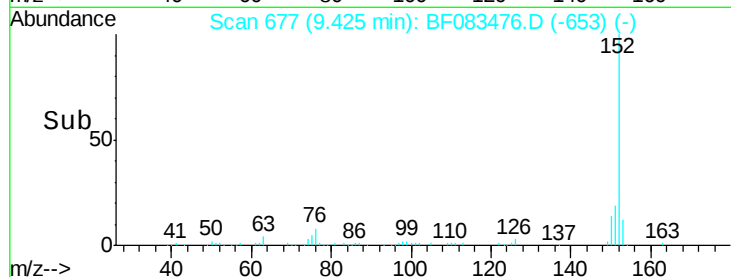
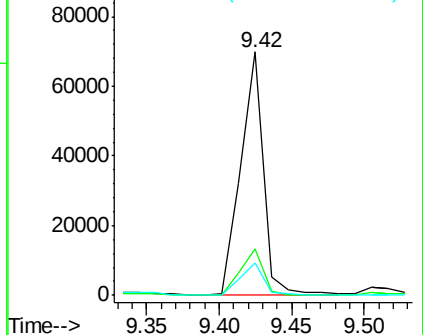
153 13.6 11.2 16.8



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: 13.87 ng

RT: 9.30 min Scan# 666

Delta R.T. -0.03 min

Lab File: BF083476.D

Acq: 3 Dec 2015 23:22

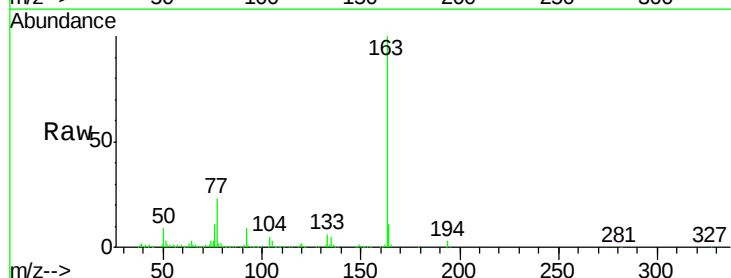
Tgt Ion:163 Resp: 343229

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

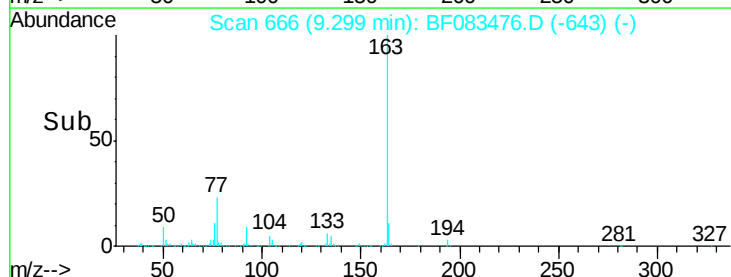
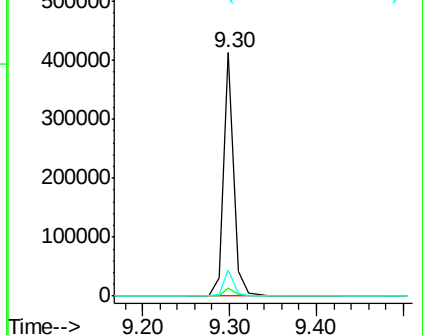
164 10.5 8.8 13.2

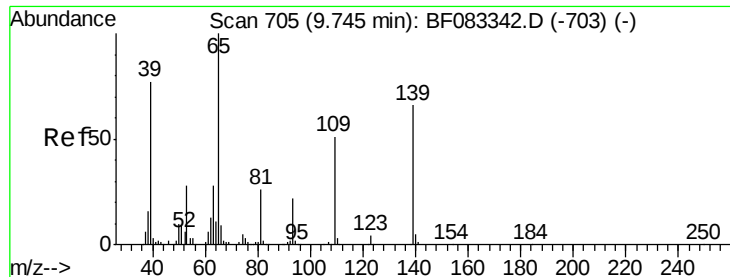


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

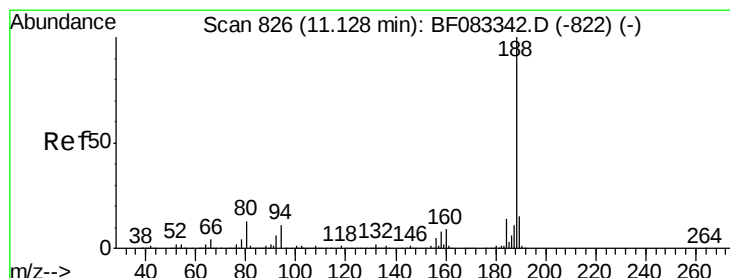
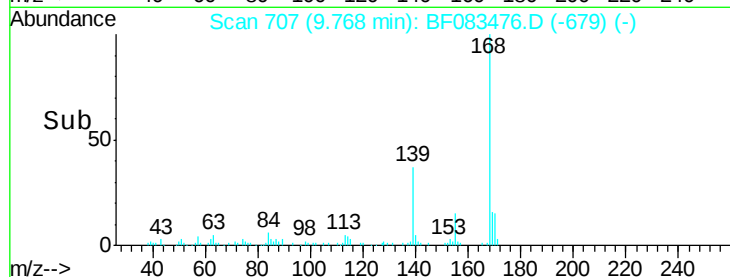
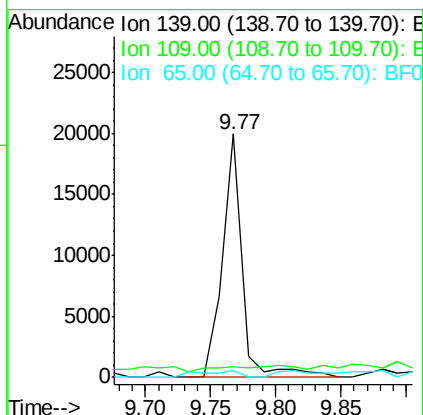
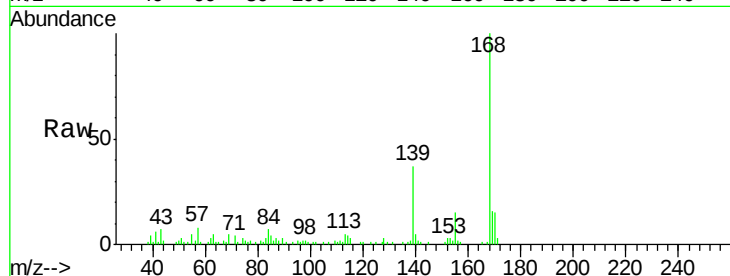




#55
4-Nitrophenol
Concen: 5.45 ng
RT: 9.77 min Scan# 707
Delta R.T. 0.02 min
Lab File: BF083476.D
Acq: 3 Dec 2015 23:22

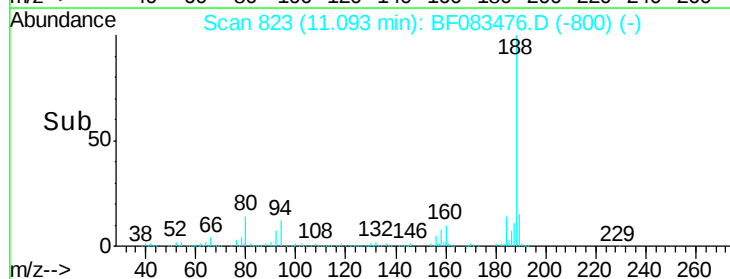
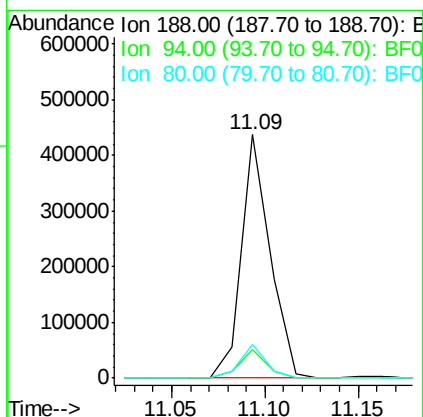
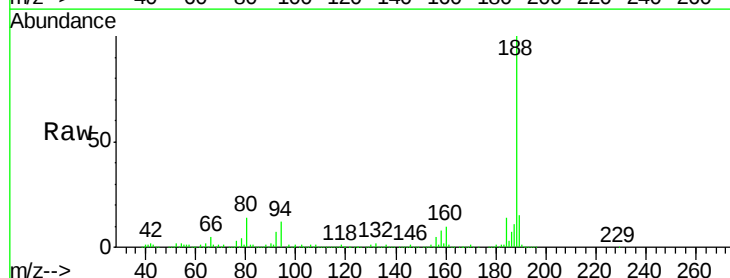
Instrument :
BNA_F
ClientSampleId :
CWC-MISC-7-20151130

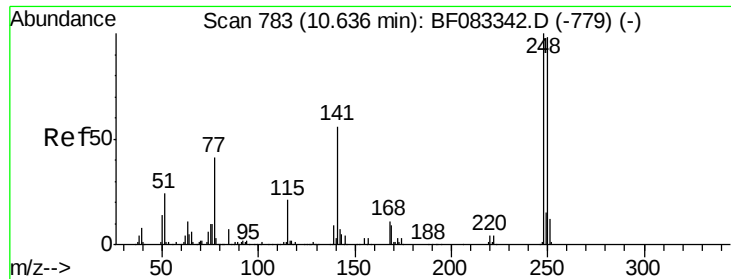
Tgt Ion:139 Resp: 21116
Ion Ratio Lower Upper
139 100
109 4.4 57.4 97.4#
65 3.1 131.6 171.6#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.09 min Scan# 823
Delta R.T. -0.03 min
Lab File: BF083476.D
Acq: 3 Dec 2015 23:22

Tgt Ion:188 Resp: 467962
Ion Ratio Lower Upper
188 100
94 11.9 8.7 13.1
80 14.0 10.3 15.5





#66

4-Bromophenyl-phenylether

Concen: 3.10 ng

RT: 10.35 min Scan# 758

Delta R.T. -0.29 min

Lab File: BF083476.D

Acq: 3 Dec 2015 23:22

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-7-20151130

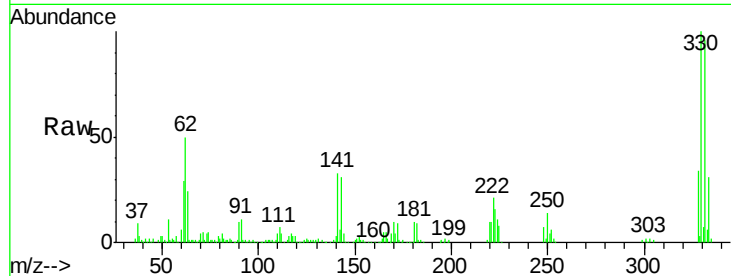
Tgt Ion:248 Resp: 15882

Ion Ratio Lower Upper

248 100

250 200.9 78.6 118.0#

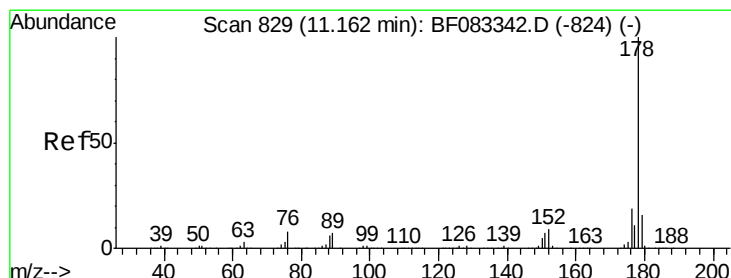
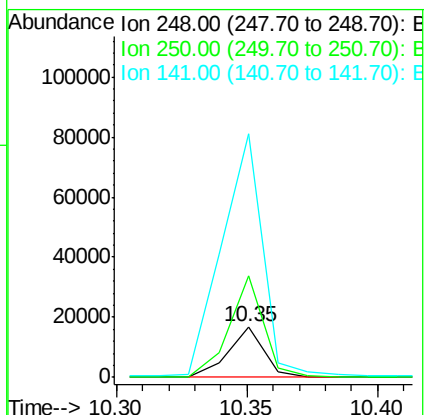
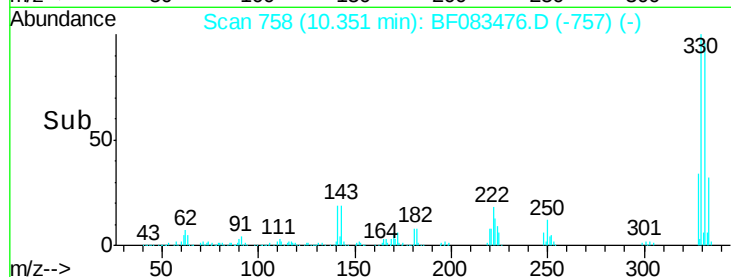
141 483.0 44.4 66.6#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#70

Phenanthrene

Concen: 33.72 ng

RT: 11.13 min Scan# 826

Delta R.T. -0.03 min

Lab File: BF083476.D

Acq: 3 Dec 2015 23:22

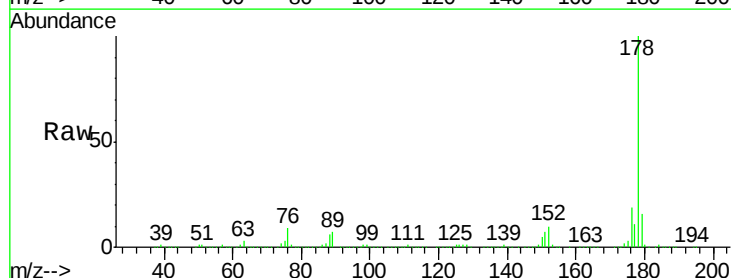
Tgt Ion:178 Resp: 933909

Ion Ratio Lower Upper

178 100

176 19.4 15.3 22.9

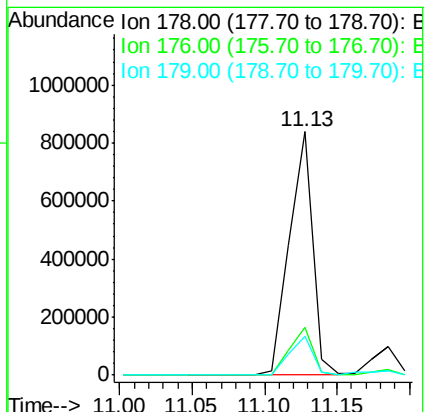
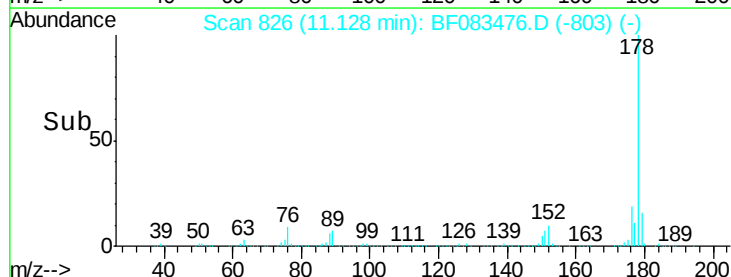
179 15.8 12.4 18.6

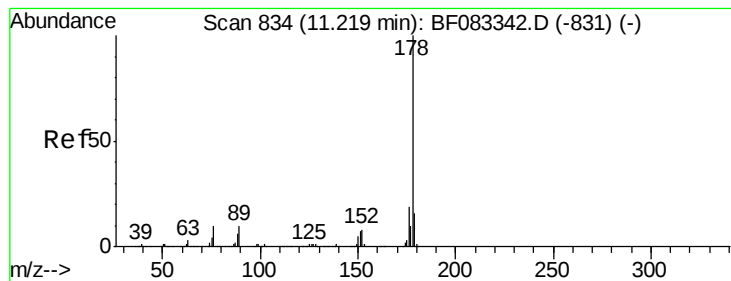


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 4.10 ng

RT: 11.18 min Scan# 831

Delta R.T. -0.03 min

Lab File: BF083476.D

Acq: 3 Dec 2015 23:22

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-7-20151130

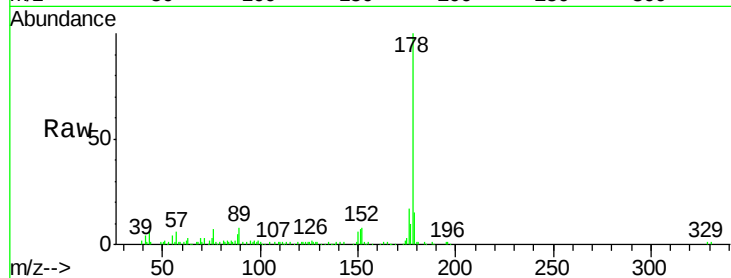
Tgt Ion:178 Resp: 114410

Ion Ratio Lower Upper

178 100

176 17.5 15.6 23.4

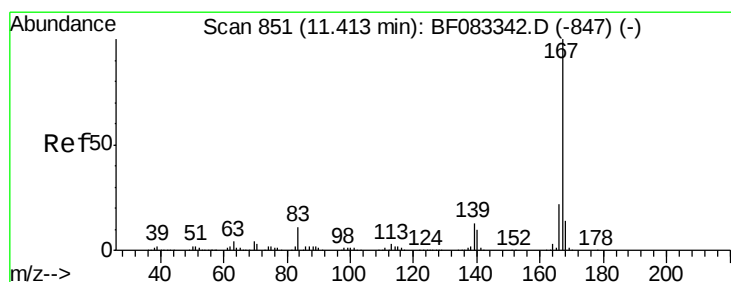
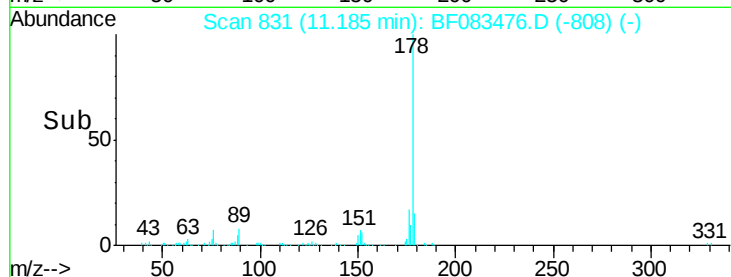
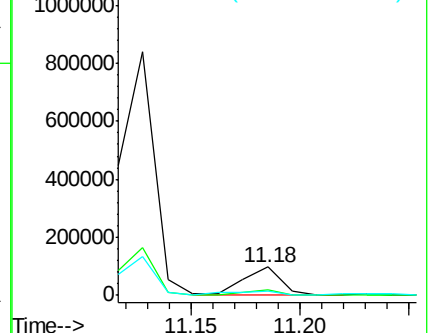
179 15.4 12.8 19.2



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



#72

Carbazole

Concen: 2.39 ng

RT: 11.38 min Scan# 848

Delta R.T. -0.03 min

Lab File: BF083476.D

Acq: 3 Dec 2015 23:22

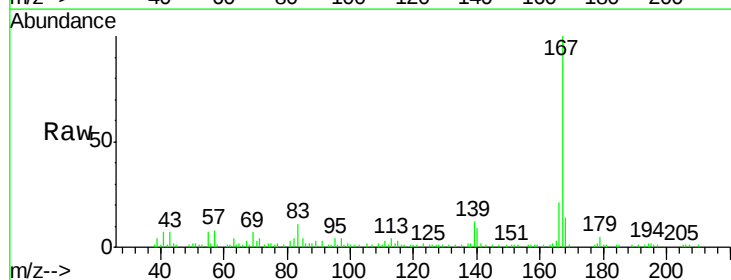
Tgt Ion:167 Resp: 59906

Ion Ratio Lower Upper

167 100

166 21.2 17.4 26.0

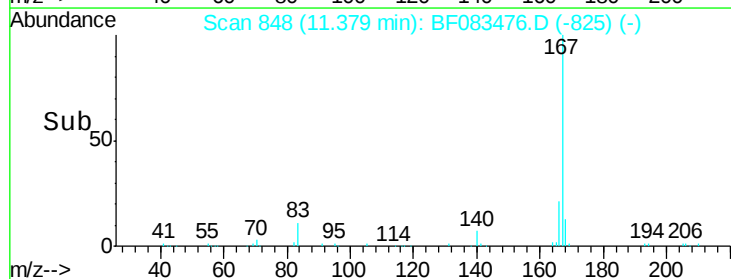
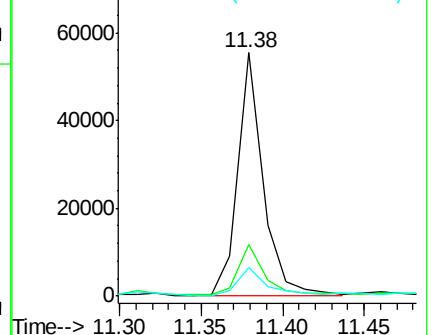
139 11.8 10.5 15.7

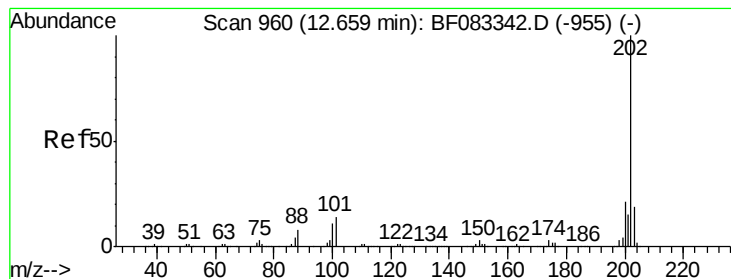


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 37.25 ng

RT: 12.63 min Scan# 957

Delta R.T. -0.03 min

Lab File: BF083476.D

Acq: 3 Dec 2015 23:22

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-7-20151130

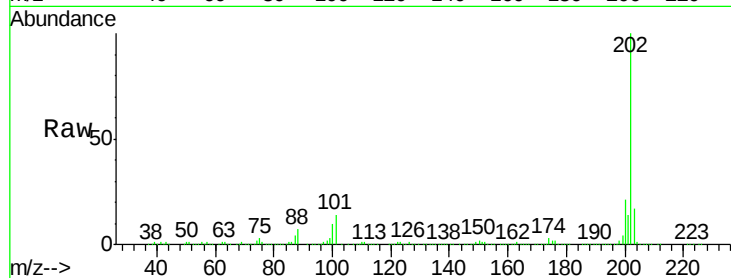
Tgt Ion:202 Resp: 1069182

Ion Ratio Lower Upper

202 100

101 13.7 0.0 34.5

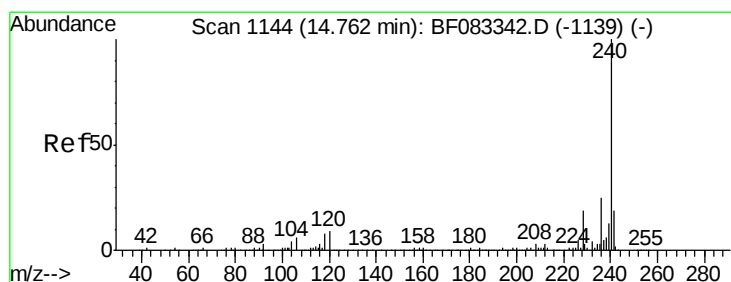
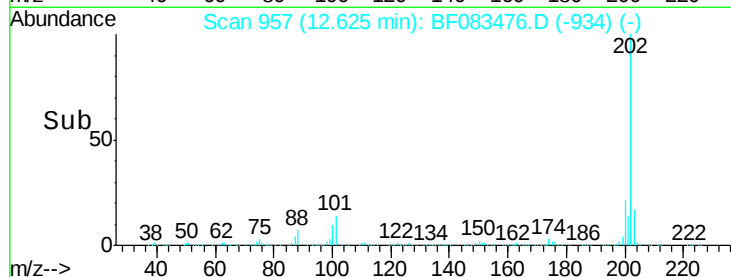
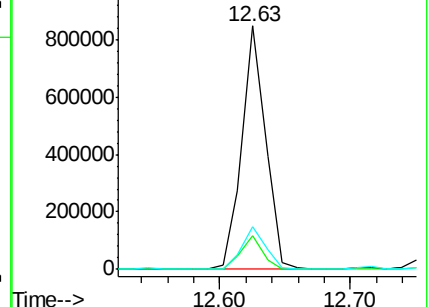
203 17.4 0.0 38.7



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: 14.72 min Scan# 1140

Delta R.T. -0.05 min

Lab File: BF083476.D

Acq: 3 Dec 2015 23:22

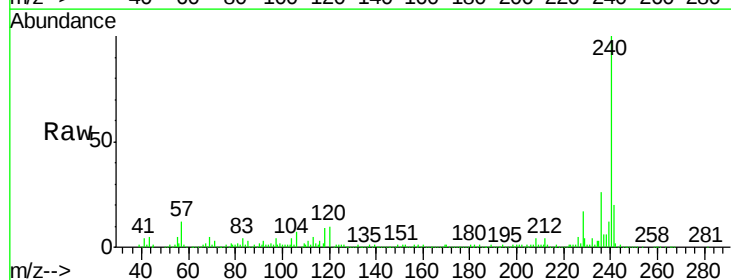
Tgt Ion:240 Resp: 376001

Ion Ratio Lower Upper

240 100

120 10.2 6.9 10.3

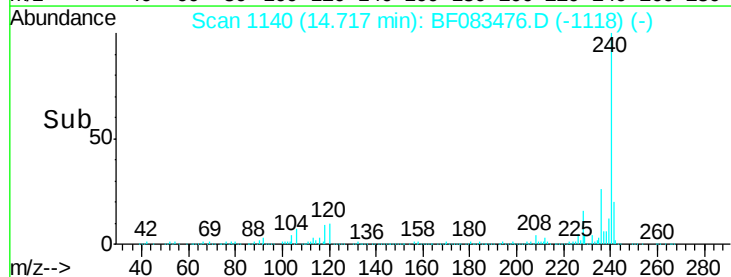
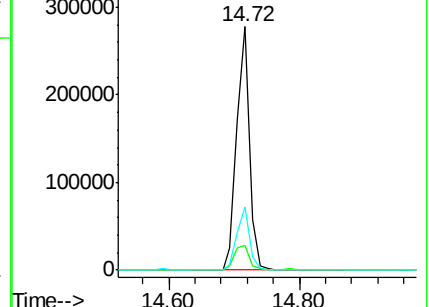
236 25.7 19.8 29.6

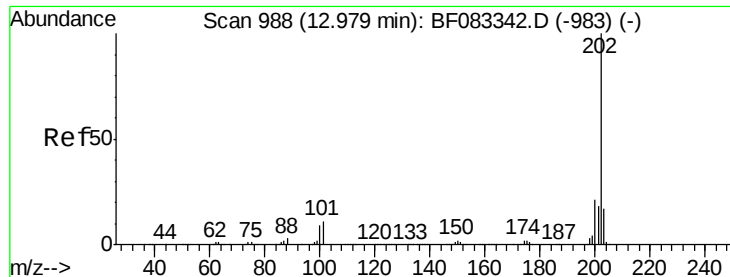


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 36.02 ng

RT: 12.93 min Scan# 984

Delta R.T. -0.05 min

Lab File: BF083476.D

Acq: 3 Dec 2015 23:22

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-7-20151130

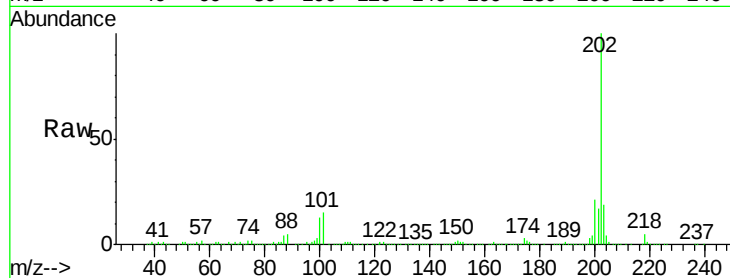
Tgt Ion:202 Resp: 945935

Ion Ratio Lower Upper

202 100

200 20.9 16.9 25.3

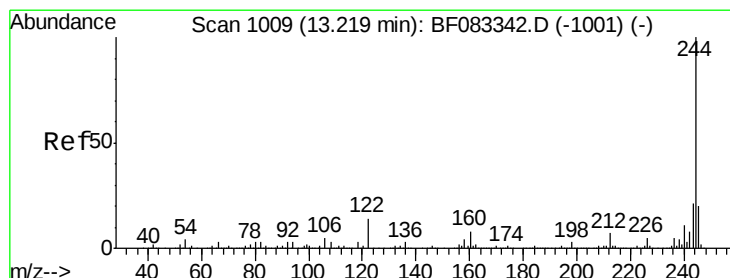
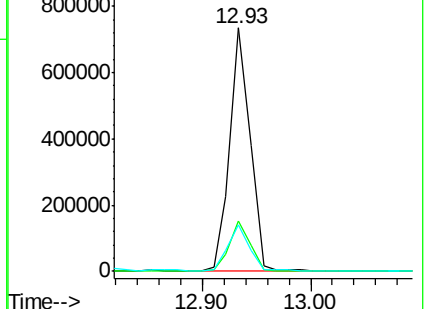
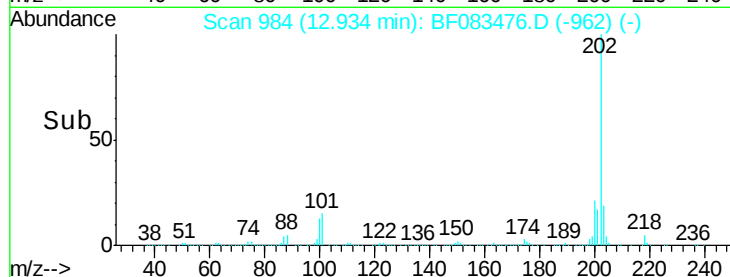
203 19.3 13.9 20.9



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: 57.18 ng

RT: 13.19 min Scan# 1006

Delta R.T. -0.03 min

Lab File: BF083476.D

Acq: 3 Dec 2015 23:22

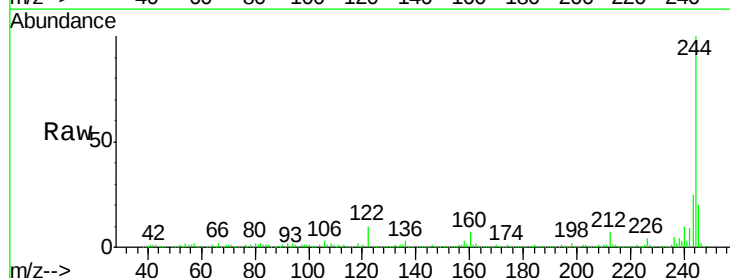
Tgt Ion:244 Resp: 901515

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

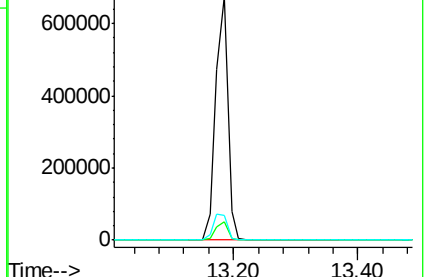
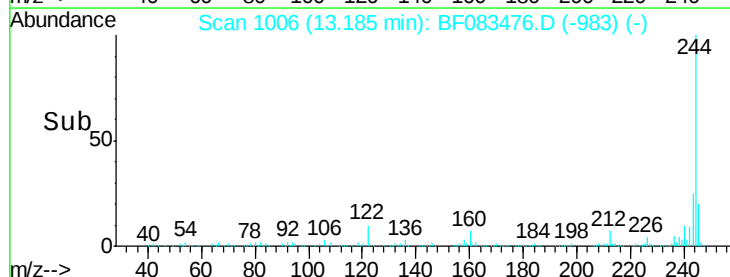
122 10.1 11.0 16.4#

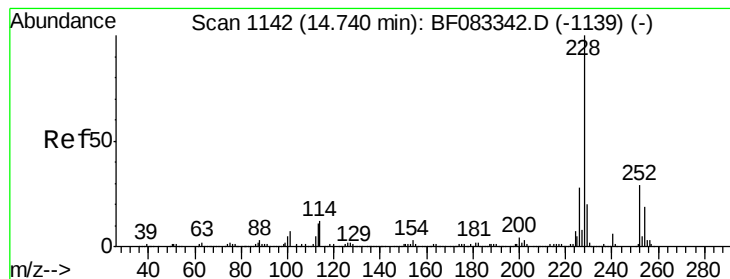


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 16.29 ng

RT: 14.69 min Scan# 1138

Delta R.T. -0.05 min

Lab File: BF083476.D

Acq: 3 Dec 2015 23:22

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-7-20151130

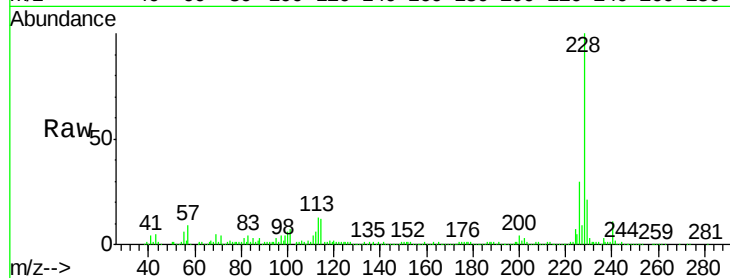
Tgt Ion:228 Resp: 375185

Ion Ratio Lower Upper

228 100

226 29.7 22.2 33.4

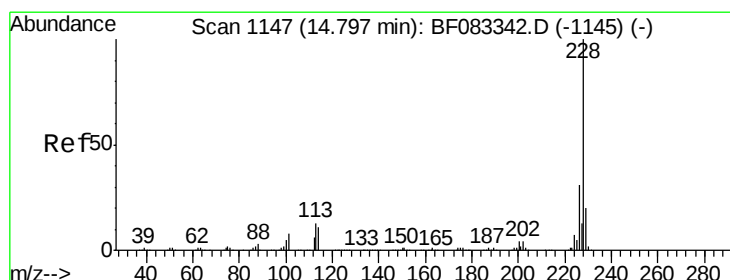
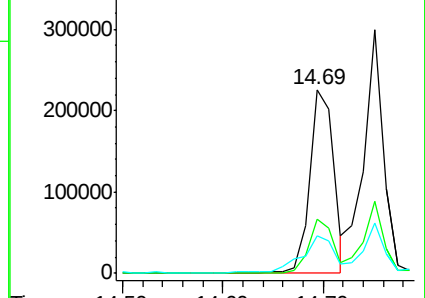
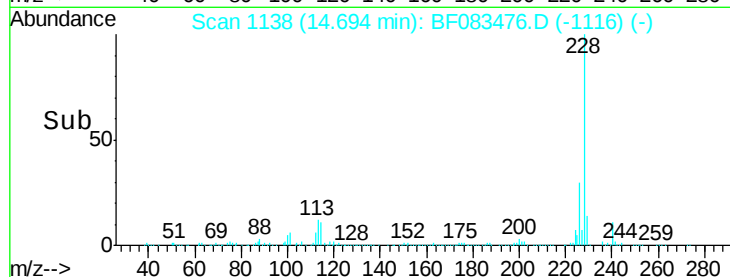
229 20.5 16.1 24.1



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: 18.55 ng

RT: 14.75 min Scan# 1143

Delta R.T. -0.05 min

Lab File: BF083476.D

Acq: 3 Dec 2015 23:22

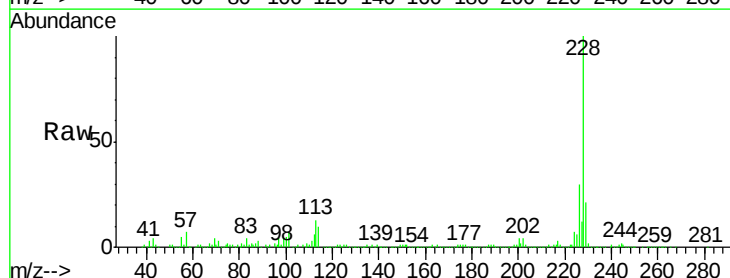
Tgt Ion:228 Resp: 412791

Ion Ratio Lower Upper

228 100

226 29.6 24.6 37.0

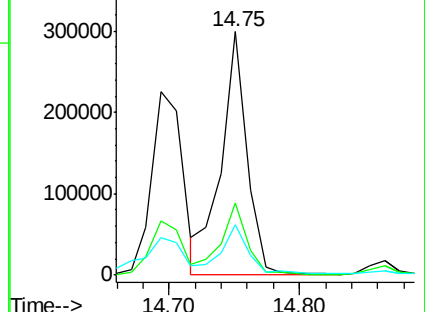
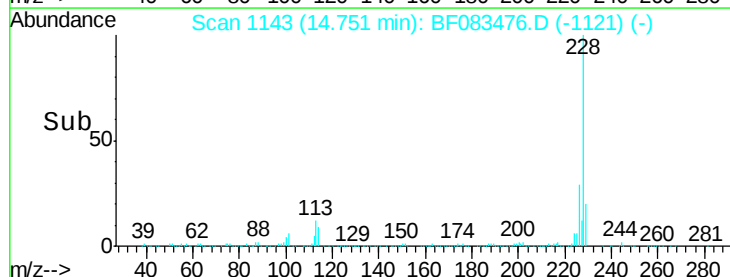
229 20.8 16.2 24.2

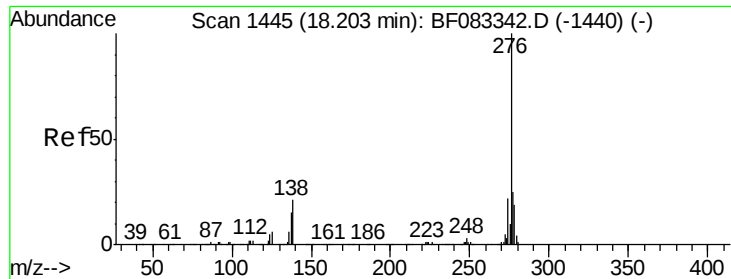


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

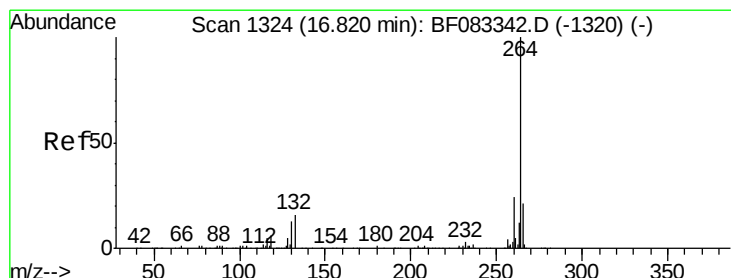
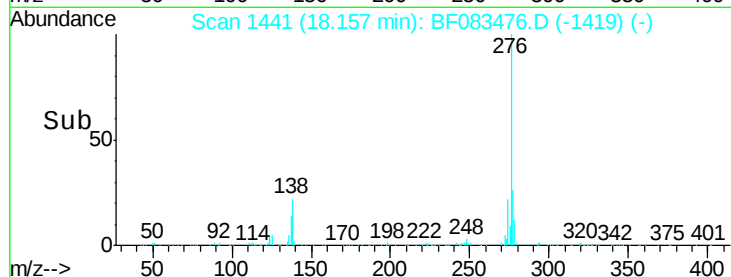
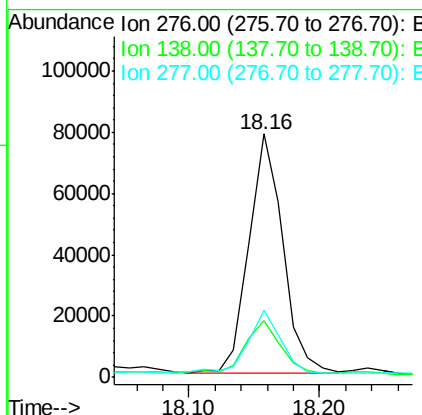
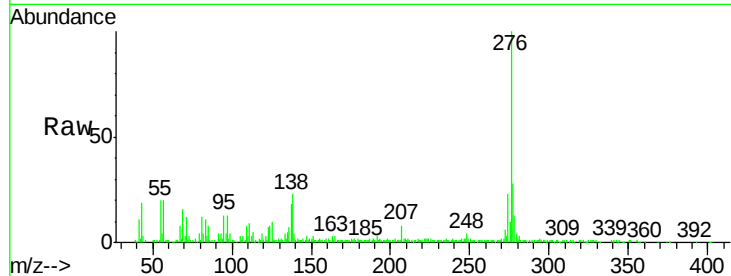




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.79 ng
 RT: 18.16 min Scan# 1441
 Delta R.T. -0.05 min
 Lab File: BF083476.D
 Acq: 3 Dec 2015 23:22

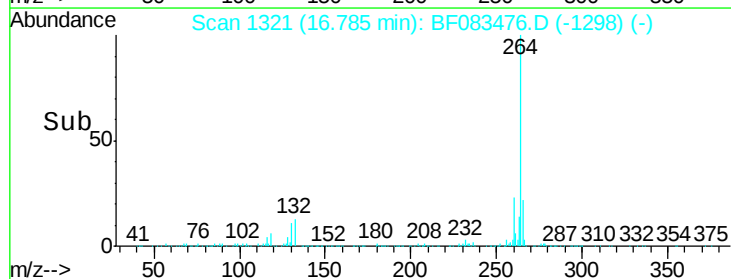
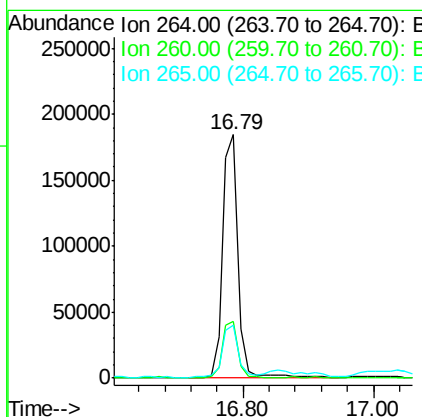
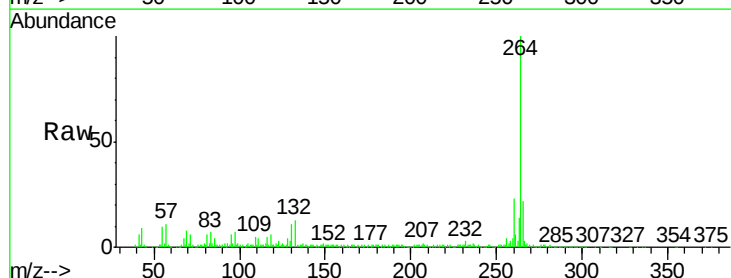
Instrument :
 BNA_F
 ClientSampleId :
 CWC-MISC-7-20151130

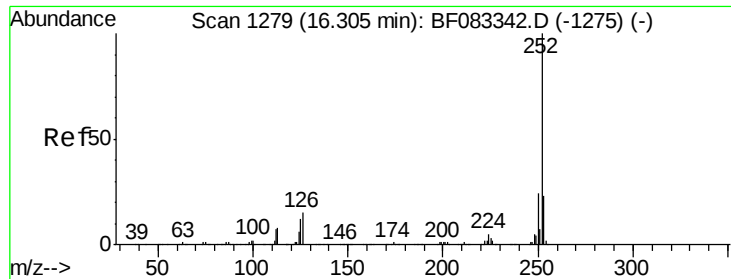
Tgt Ion: 276 Resp: 142500
 Ion Ratio Lower Upper
 276 100
 138 22.8 21.2 31.8
 277 26.3 20.0 30.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.79 min Scan# 1321
 Delta R.T. -0.03 min
 Lab File: BF083476.D
 Acq: 3 Dec 2015 23:22

Tgt Ion: 264 Resp: 300904
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.0 28.4
 265 21.9 16.8 25.2





#87

Benzo(b)fluoranthene

Concen: 27.26 ng

RT: 16.27 min Scan# 1276

Delta R.T. -0.03 min

Lab File: BF083476.D

Acq: 3 Dec 2015 23:22

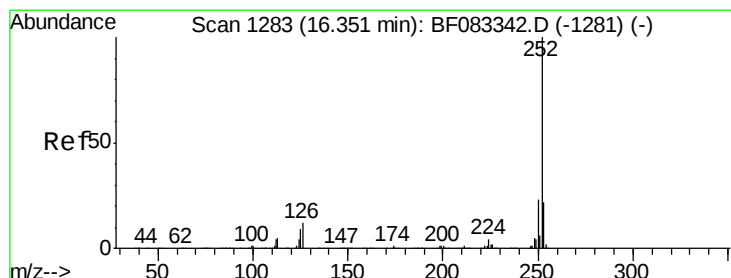
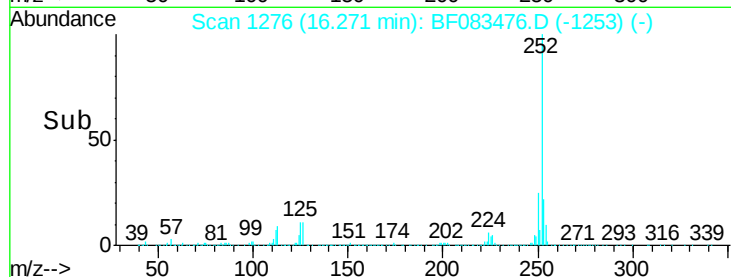
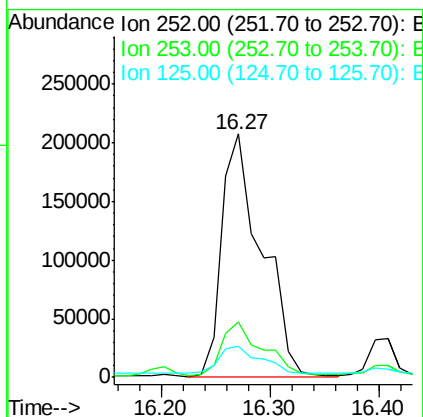
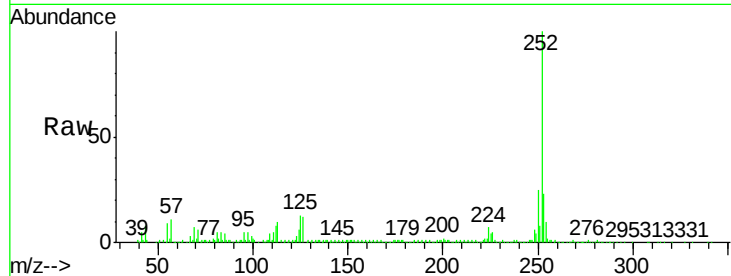
Instrument :

BNA_F

ClientSampleId :

CWC-MISC-7-20151130

Tgt Ion:	252	Resp:	526325
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.4	27.6
125	12.9	9.6	14.4



#88

Benzo(k)fluoranthene

Concen: 28.87 ng

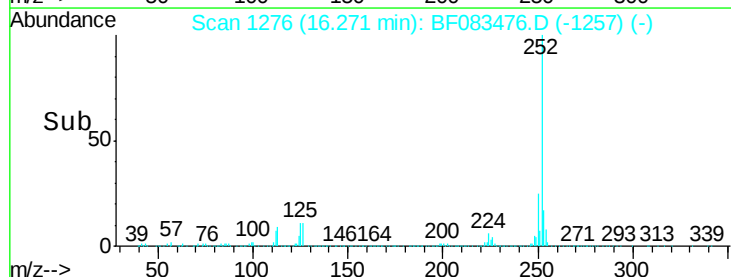
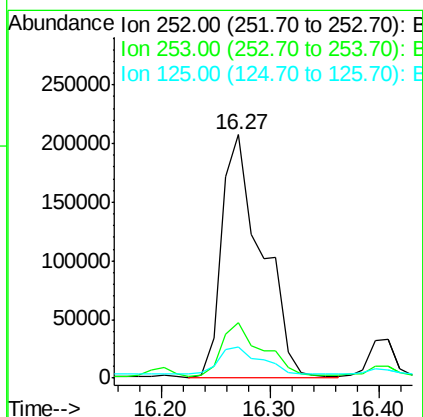
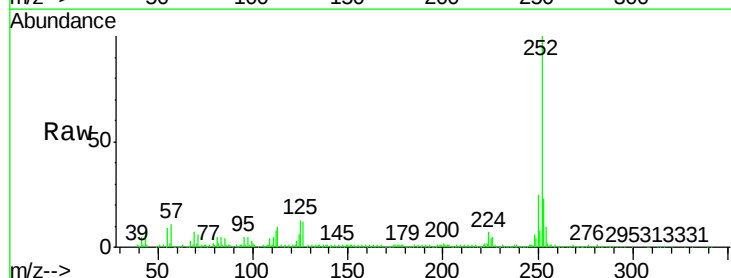
RT: 16.27 min Scan# 1276

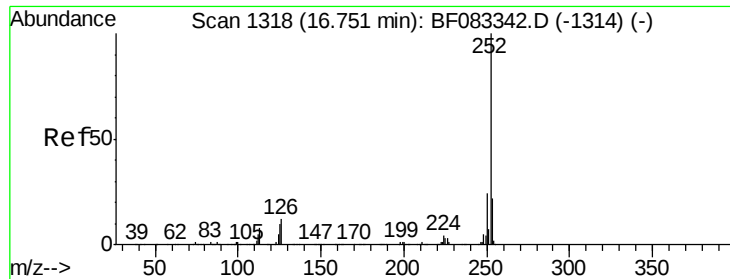
Delta R.T. -0.08 min

Lab File: BF083476.D

Acq: 3 Dec 2015 23:22

Tgt Ion:	252	Resp:	526325
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.4	26.0
125	12.9	7.5	11.3#

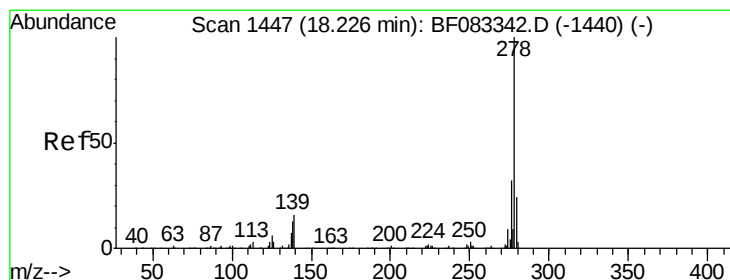
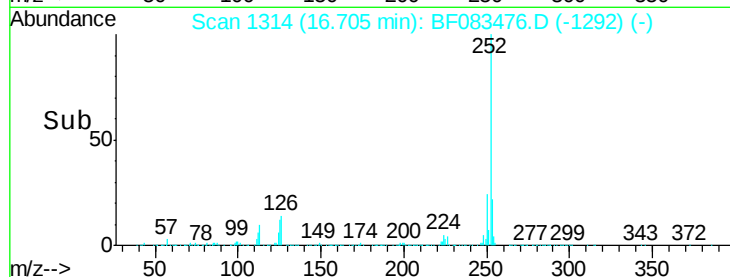
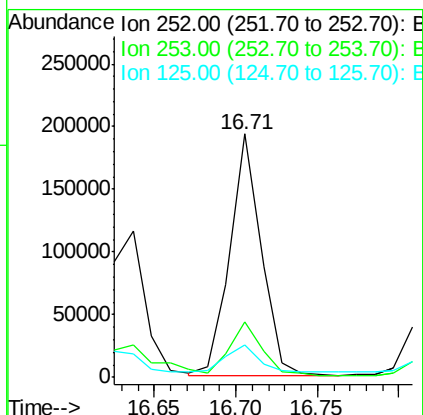
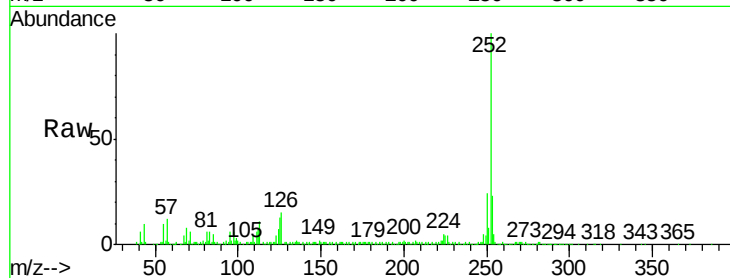




#89
Benzo(a)pyrene
Concen: 15.54 ng
RT: 16.71 min Scan# 1314
Delta R.T. -0.05 min
Lab File: BF083476.D
Acq: 3 Dec 2015 23:22

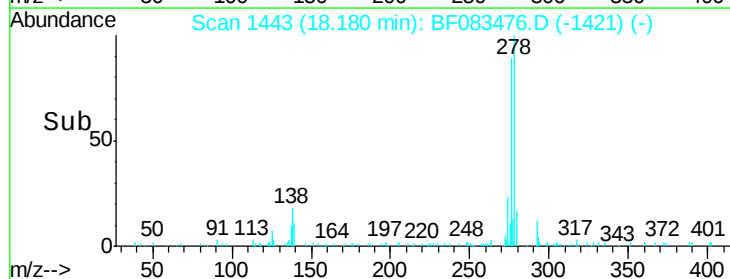
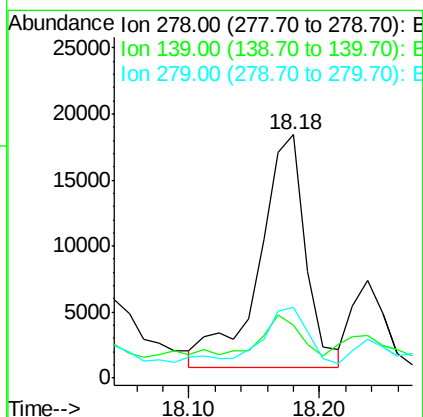
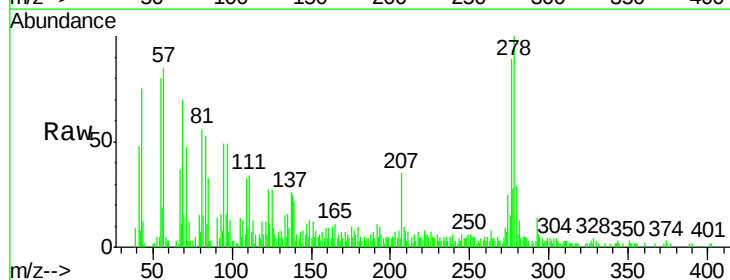
Instrument :
BNA_F
ClientSampleId :
CWC-MISC-7-20151130

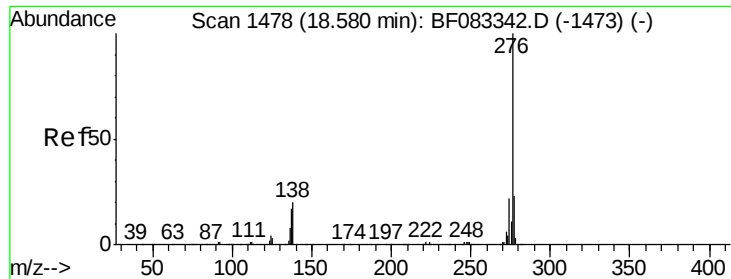
Tgt Ion: 252 Resp: 257771
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 13.4 7.8 11.8#



#90
Dibenzo(a,h)anthracene
Concen: 3.08 ng
RT: 18.18 min Scan# 1443
Delta R.T. -0.05 min
Lab File: BF083476.D
Acq: 3 Dec 2015 23:22

Tgt Ion: 278 Resp: 44553
Ion Ratio Lower Upper
278 100
139 21.8 13.1 19.7#
279 28.9 19.2 28.8#





#91
Benzo(g,h,i)perylene
Concen: 9.32 ng
RT: 18.52 min Scan# 1473
Delta R.T. -0.06 min
Lab File: BF083476.D
Acq: 3 Dec 2015 23:22

Instrument :
BNA_F
ClientSampleId :
CWC-MISC-7-20151130

Tgt Ion: 276 Resp: 132226
Ion Ratio Lower Upper
276 100
277 24.7 18.6 28.0
138 25.0 16.1 24.1#

