

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 01:37:34 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

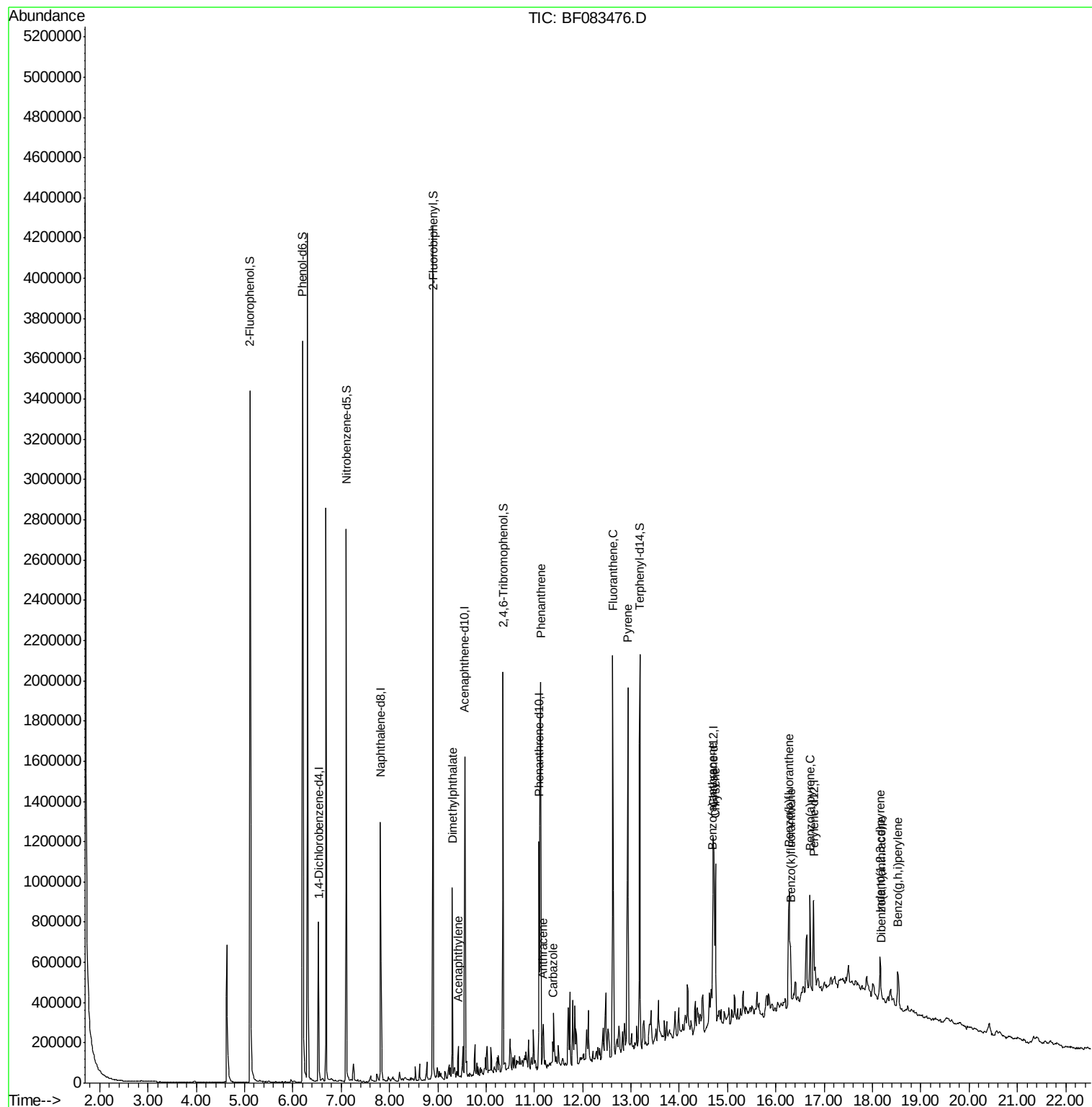
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.53	152	169637m	20.00	ng	-0.01
21) Naphthalene-d8	7.81	136	634339	20.00	ng	-0.02
38) Acenaphthene-d10	9.56	164	304504	20.00	ng	-0.02
63) Phenanthrene-d10	11.09	188	467962	20.00	ng	-0.03
75) Chrysene-d12	14.72	240	376001	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	91.68	ng	-0.01
7) Phenol-d6	6.20	99	1346752	87.04	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						Qvalue
48) Acenaphthylene	9.42	152	76704	2.36	ng	97
49) Dimethylphthalate	9.30	163	343229	13.87	ng	99
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	439606m	22.77	ng	
88) Benzo(k)fluoranthene	16.31	252	93838m	5.15	ng	
89) Benzo(a)pyrene	16.71	252	257771	15.54	ng	# 96
90) Dibenzo(a,h)anthracene	18.18	278	39552m	2.74	ng	
91) Benzo(a,h,i)perylene	18.52	276	132226	9.32	ng	# 94

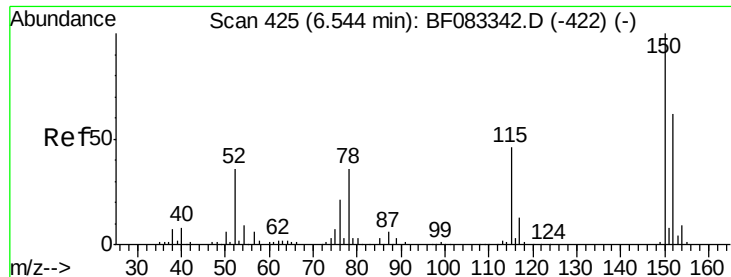
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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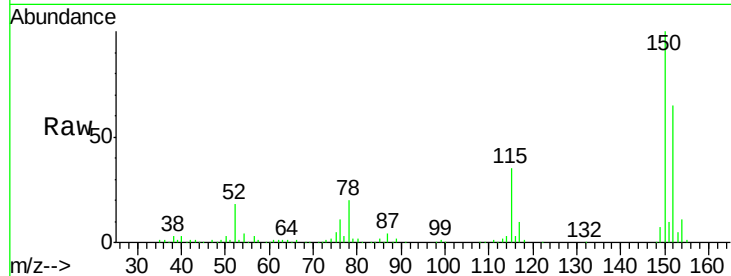


#1

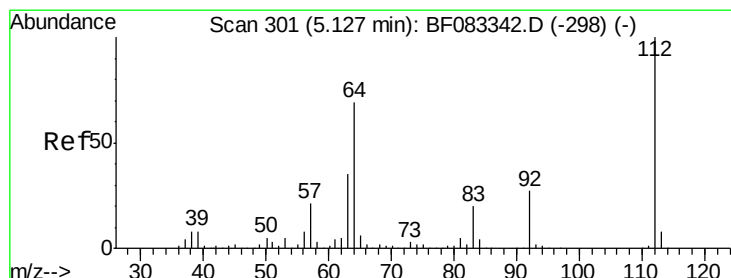
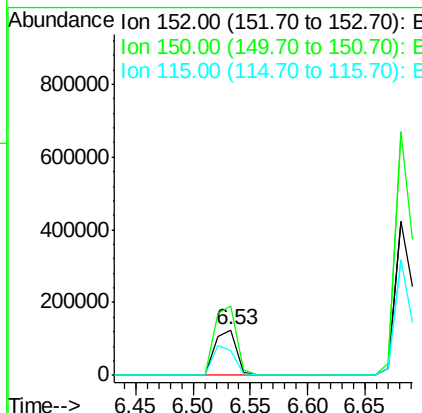
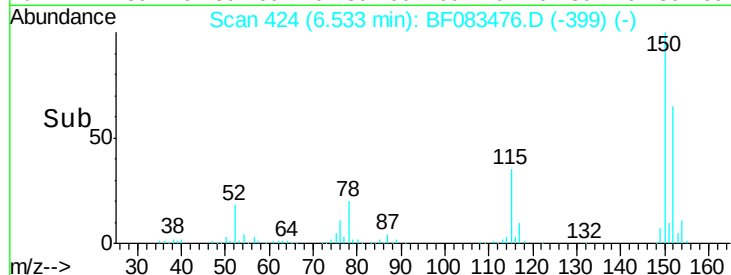
1,4-Dichlorobenzene-d4
Concen: 20.00 ng/mL
RT: 6.53 min Scan# 424
Delta R.T. -0.01 min
Lab File: BF083476.D
Acq: 3 Dec 2015 23:22

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

Tot Ion:152 Resp: 169637
Ion Ratio Lower Upper
152 100
150 152.7 129.8 194.8
115 52.8 59.2 88.8#



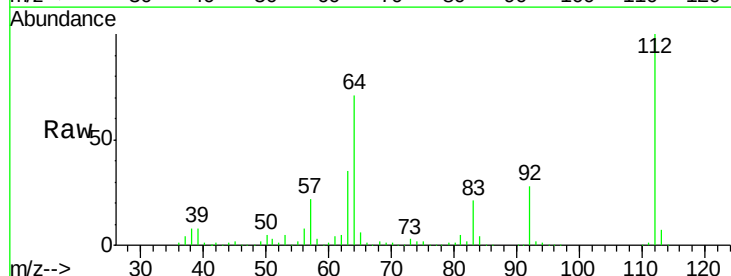
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



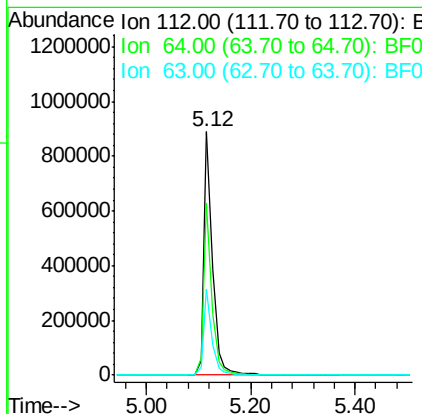
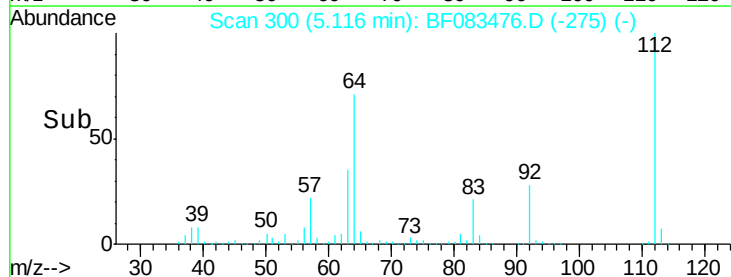
#5

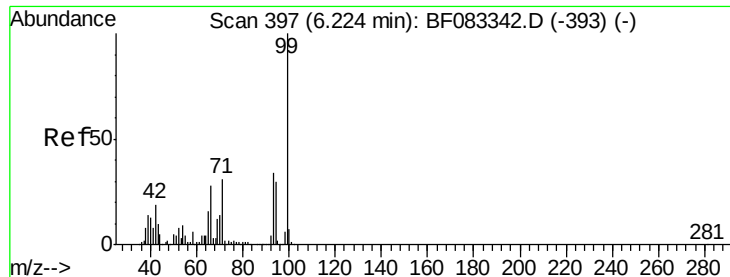
2-Fluorophenol
Concen: 91.68 ng
RT: 5.12 min Scan# 300
Delta R.T. -0.01 min
Lab File: BF083476.D
Acq: 3 Dec 2015 23:22

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: 87.04 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

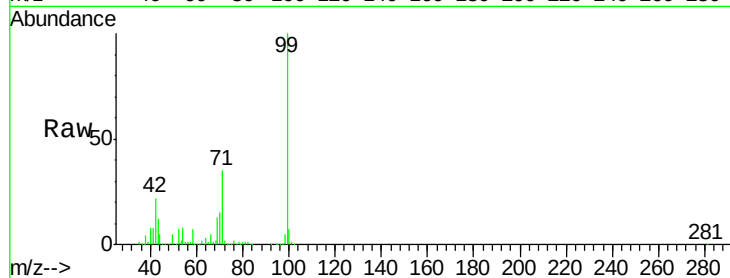
Tot Ion: 99 Resp: 1346752

Ion	Ratio	Lower	Upper
99	100		
42	22.1	14.9	22.3
71	35.0	24.7	37.1

99 100

42 22.1 14.9 22.3

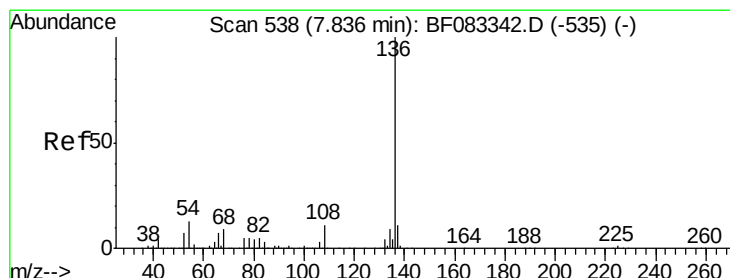
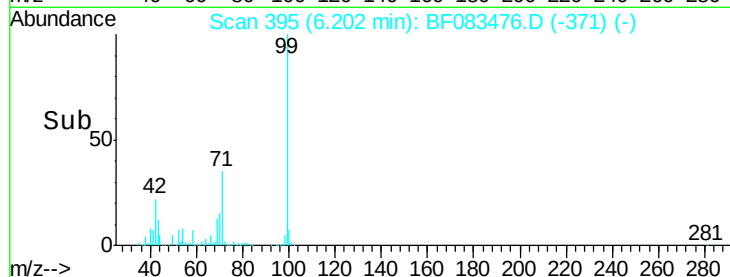
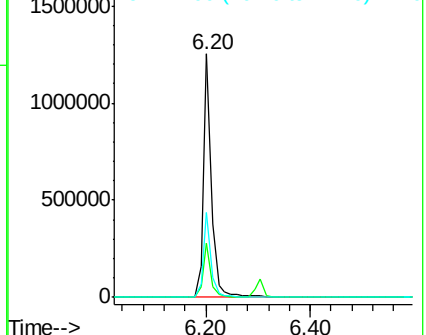
71 35.0 24.7 37.1



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: 7.81 min Scan# 536

Delta R.T. -0.02 min

Lab File: BF083476.D

Acq: 3 Dec 2015 23:22

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

136 100

137 11.1 9.0 13.4

54 12.5 10.1 15.1

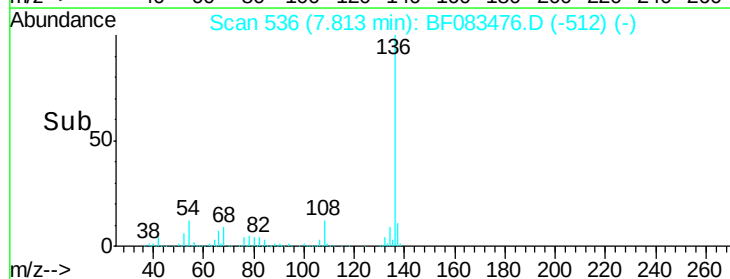
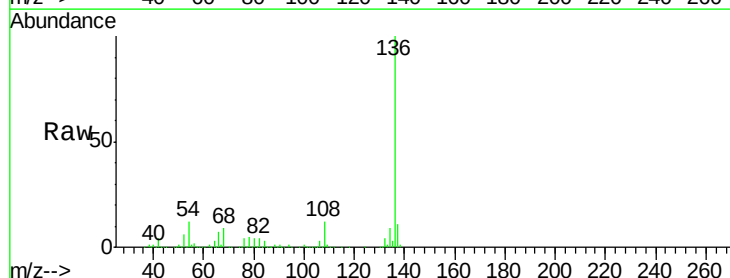
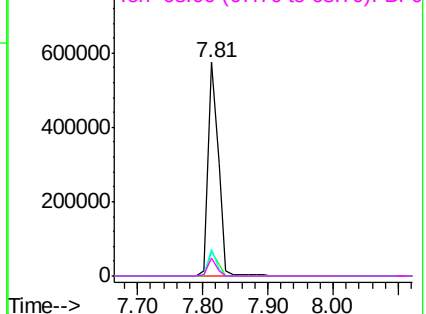
68 8.7 7.1 10.7

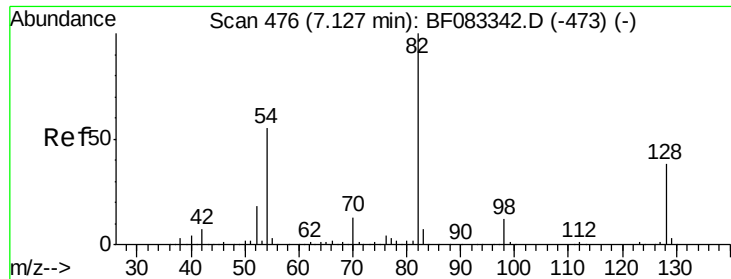
Abundance Ion 136.00 (135.70 to 136.70): E

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

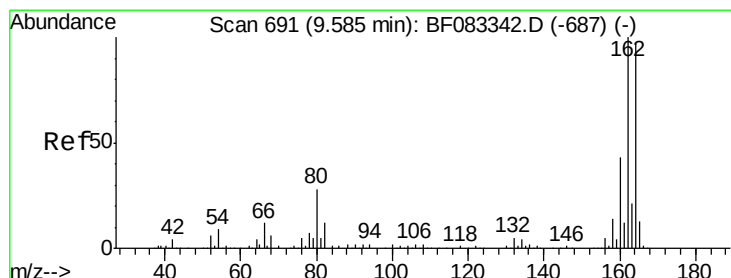
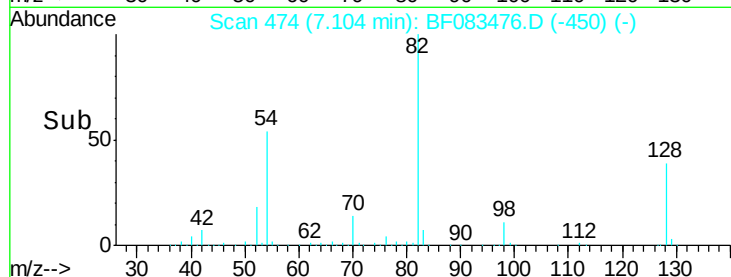
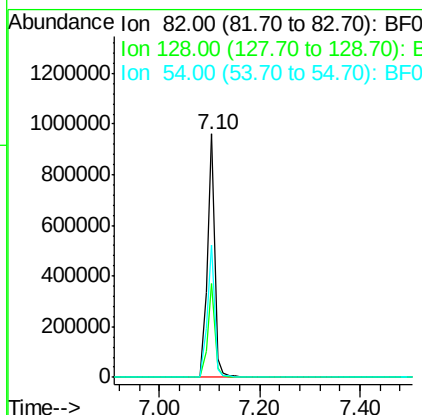
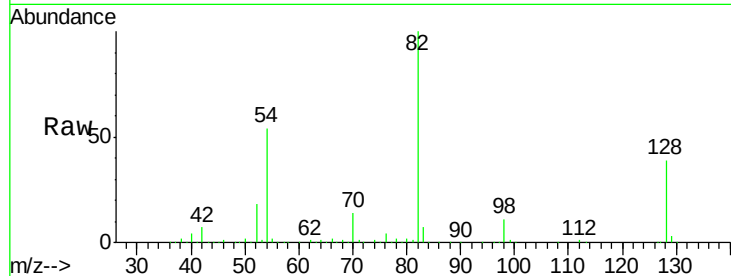




#23
 Nitrobenzene-d5
 Concen: 67.87 ng
 RT: 7.10 min Scan# 474
 Delta R.T. -0.02 min
 Lab File: BF083476.D
 Acq: 3 Dec 2015 23:22

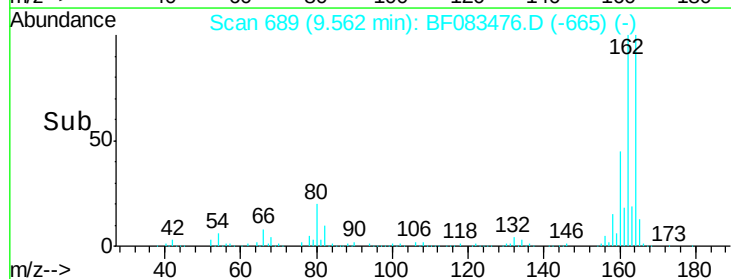
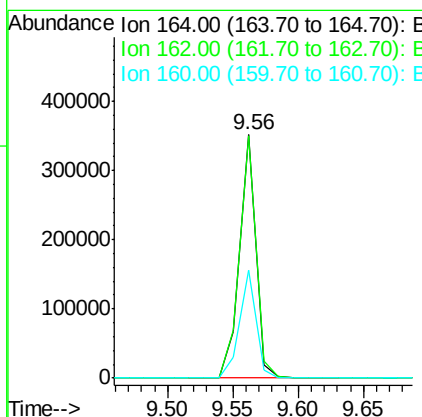
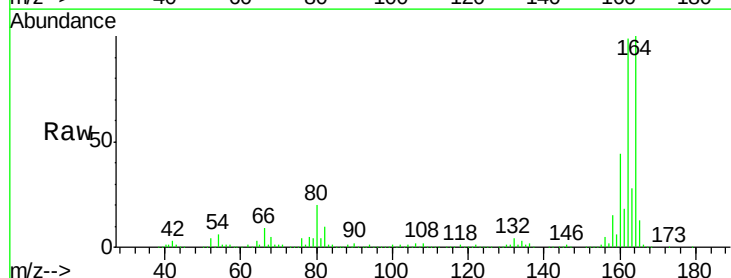
Instrument :
 BNA_F
 ClientSampleId :
 CWC-MISC-7-20151130

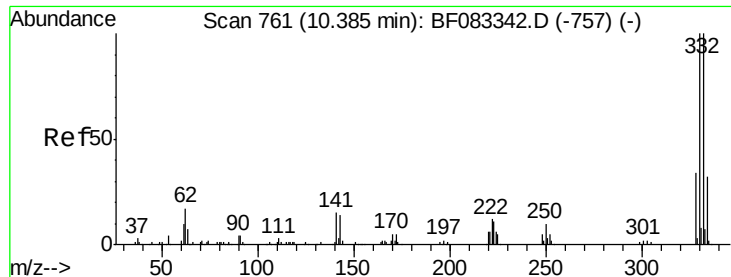
Tot Ion: 82 Resp: 979331
 Ion Ratio Lower Upper
 82 100
 128 38.6 30.6 46.0
 54 54.1 43.8 65.6



#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

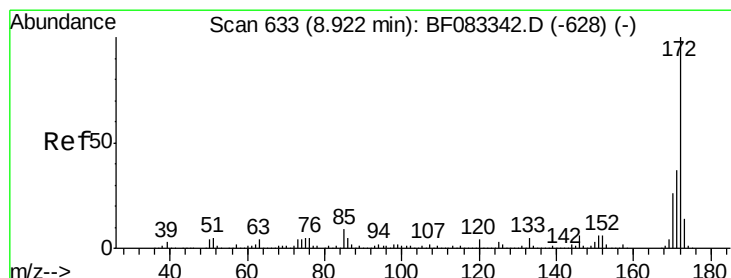
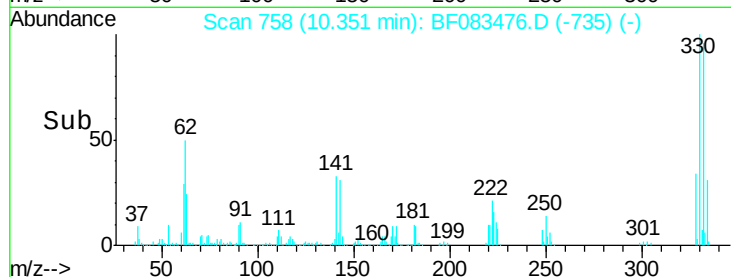
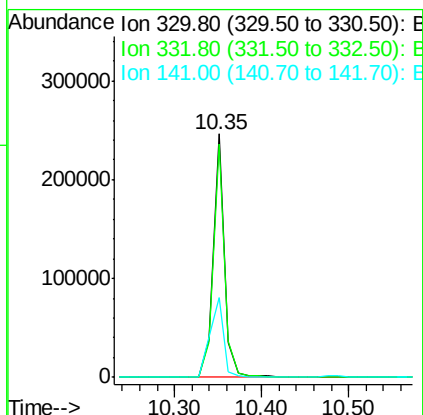
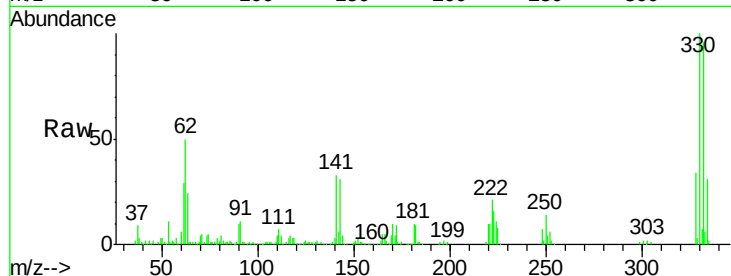




#41
 2,4,6-Tribromophenol
 Concen: 74.46 ng
 RT: 10.35 min Scan# 758
 Delta R.T. -0.03 min
 Lab File: BF083476.D
 Acq: 3 Dec 2015 23:22

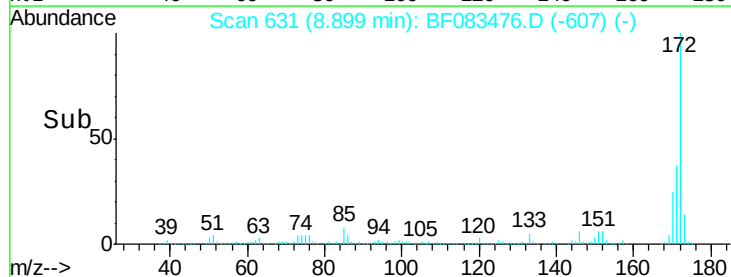
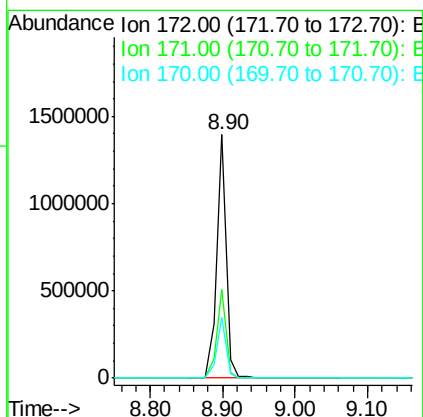
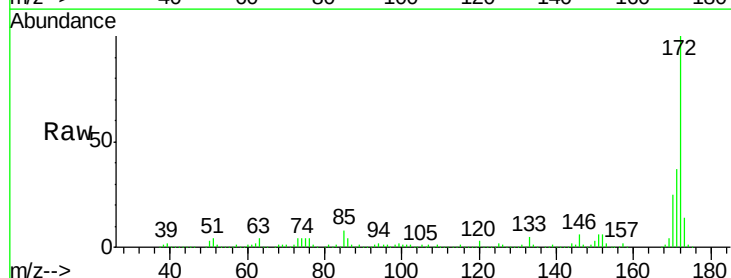
Instrument :
 BNA_F
 ClientSampleId :
 CWC-MISC-7-20151130

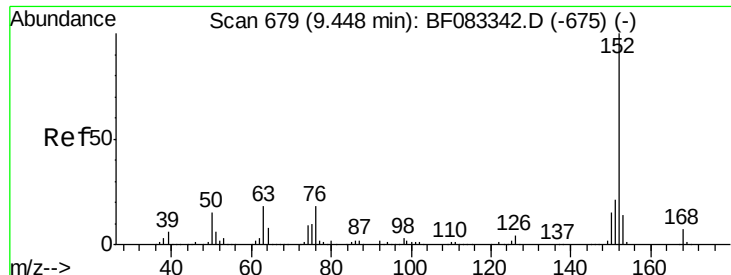
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.8	116.6
141	39.1	29.4	44.0



#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

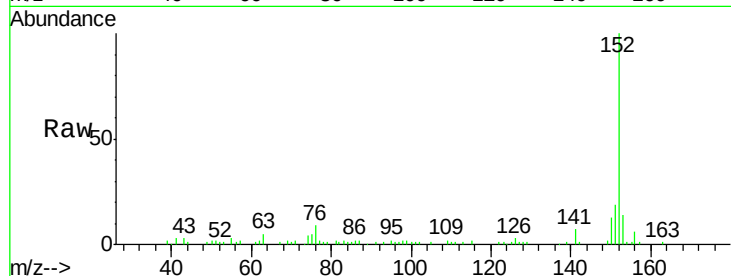
Tot Ion:152 Resp: 76704

Ion Ratio Lower Upper

152 100

151 19.1 16.7 25.1

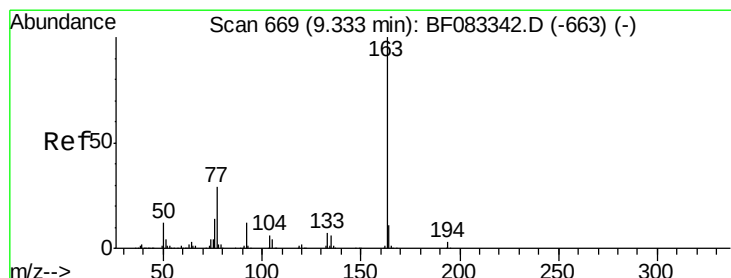
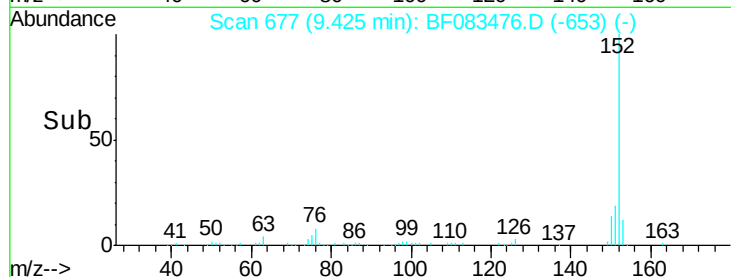
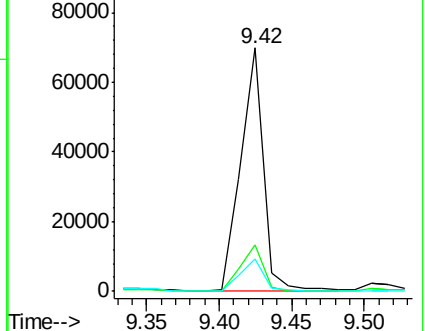
153 13.6 11.2 16.8



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

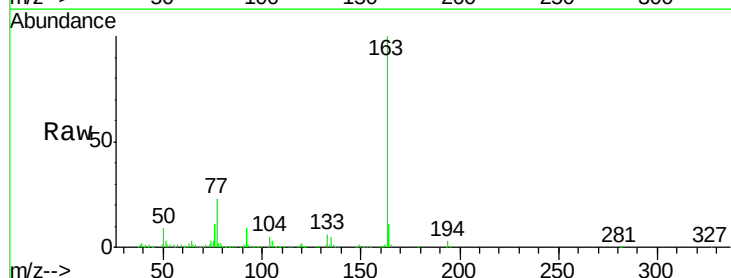
Tgt Ion:163 Resp: 343229

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

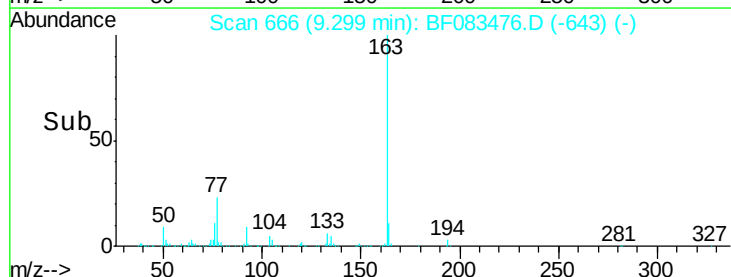
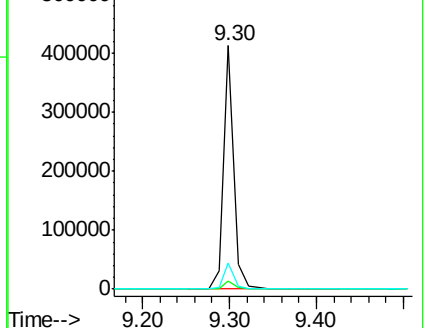
164 10.5 8.8 13.2

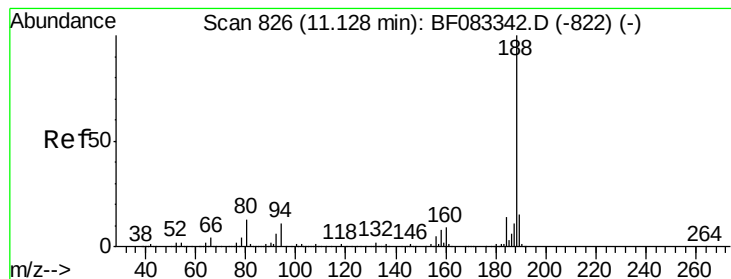


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#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

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-7-20151130

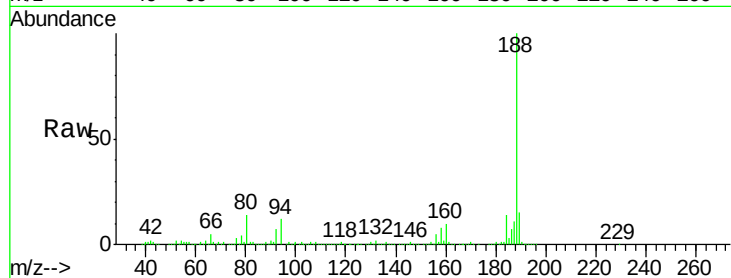
Tot Ion:188 Resp: 467962

Ion Ratio Lower Upper

188 100

94 11.9 8.7 13.1

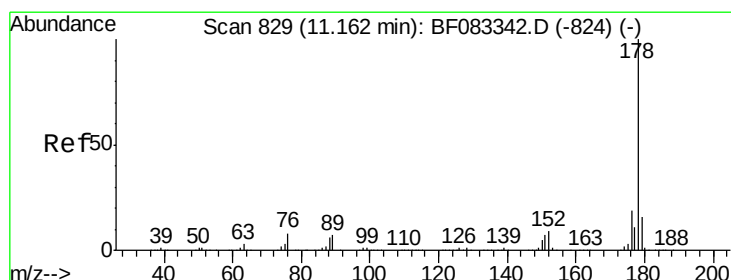
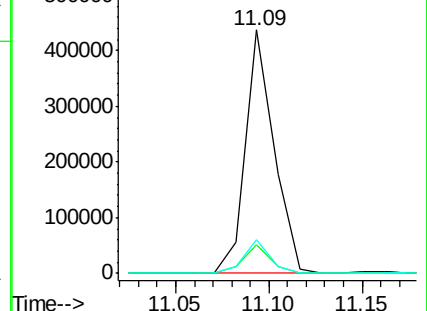
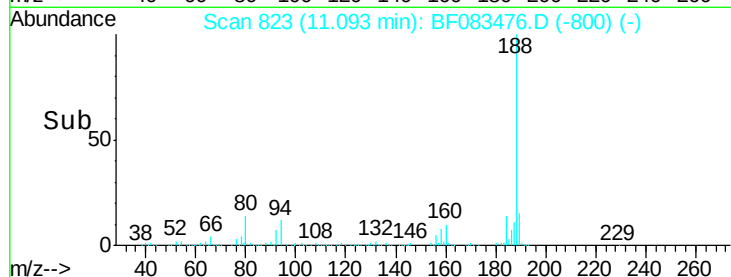
80 14.0 10.3 15.5



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: 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

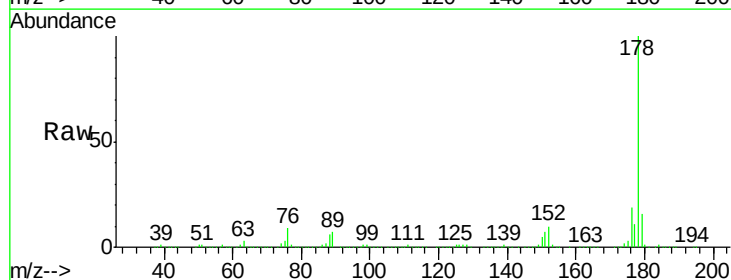
Tgt Ion:178 Resp: 933909

Ion Ratio Lower Upper

178 100

176 19.4 15.3 22.9

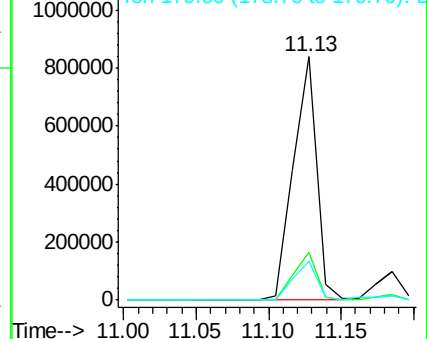
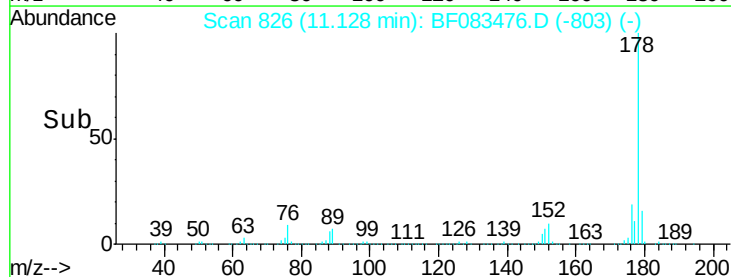
179 15.8 12.4 18.6

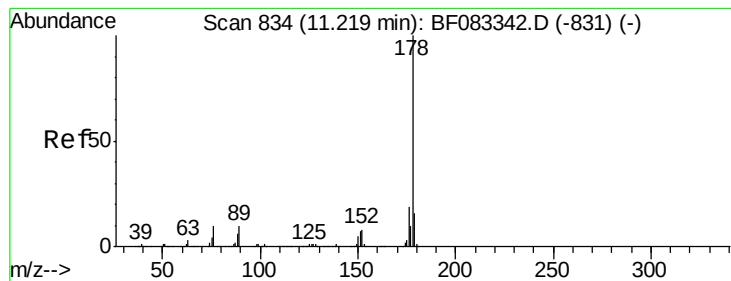


Abundance Ion 178.00 (177.70 to 178.70): E

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

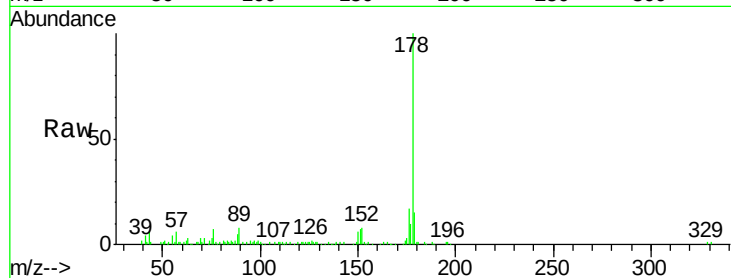
Tot Ion:178 Resp: 114410

Ion Ratio Lower Upper

178 100

176 17.5 15.6 23.4

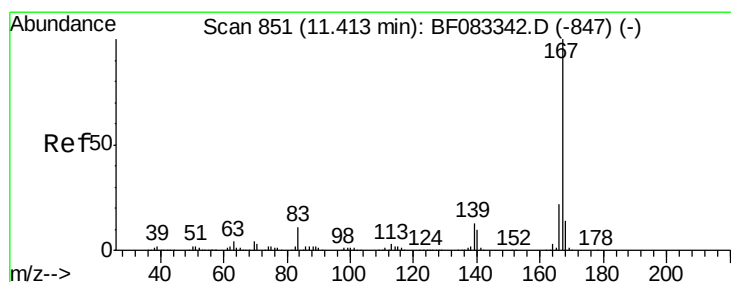
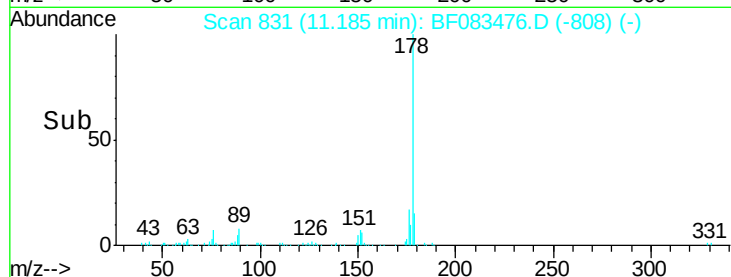
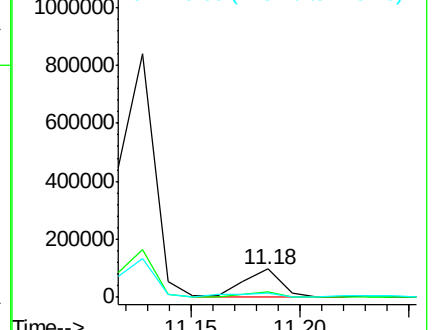
179 15.4 12.8 19.2



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

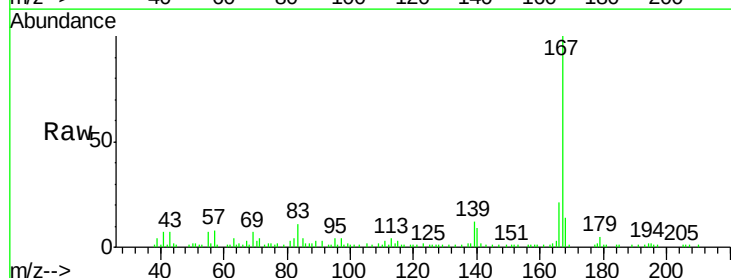
Tgt Ion:167 Resp: 59906

Ion Ratio Lower Upper

167 100

166 21.2 17.4 26.0

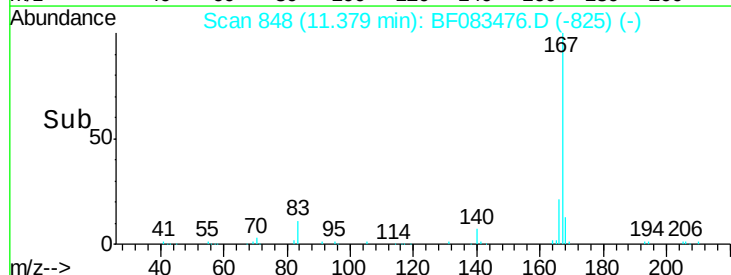
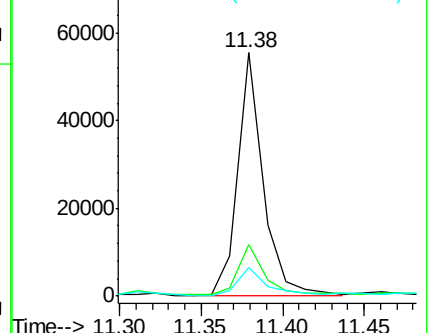
139 11.8 10.5 15.7

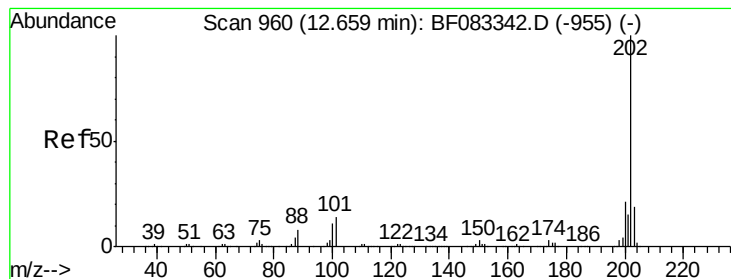


Abundance Ion 167.00 (166.70 to 167.70): E

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

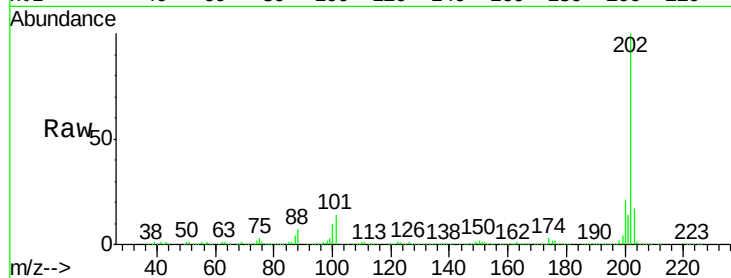
Tot Ion:202 Resp: 1069182

Ion Ratio Lower Upper

202 100

101 13.7 0.0 34.5

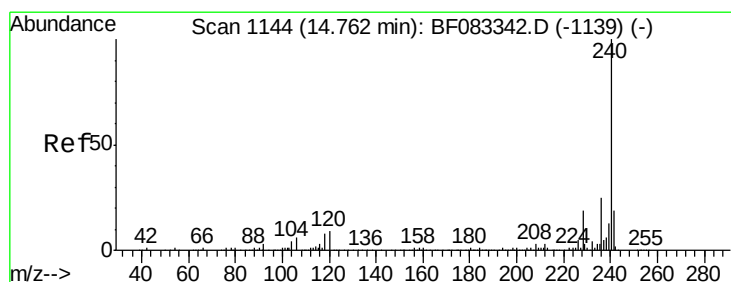
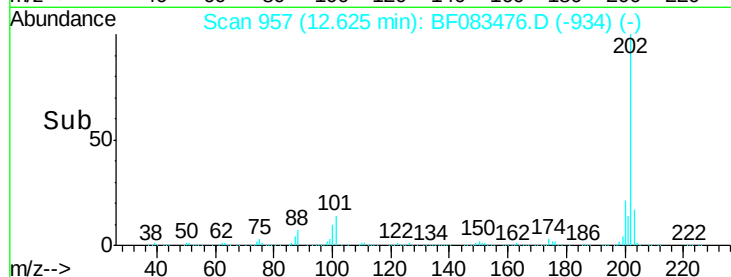
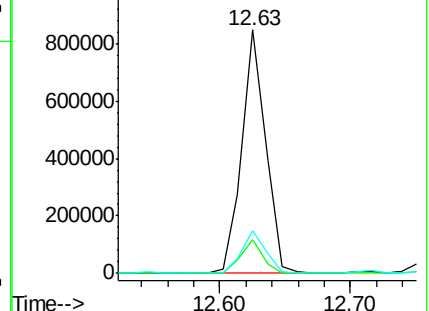
203 17.4 0.0 38.7



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

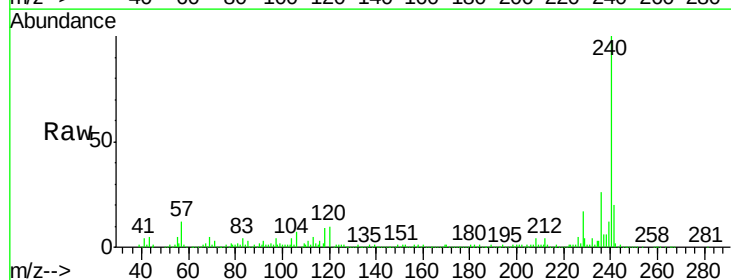
Tgt Ion:240 Resp: 376001

Ion Ratio Lower Upper

240 100

120 10.2 6.9 10.3

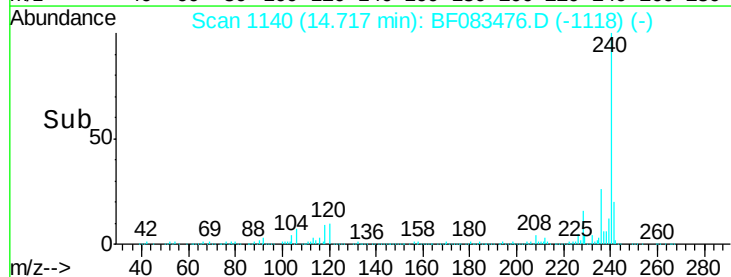
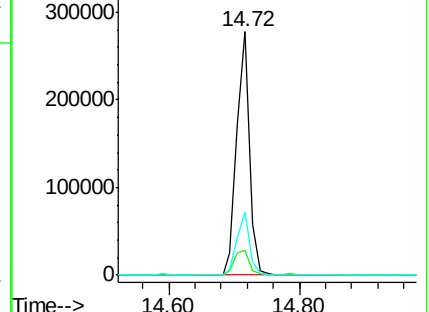
236 25.7 19.8 29.6

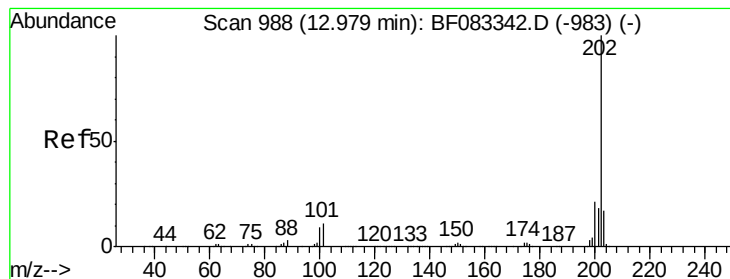


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

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

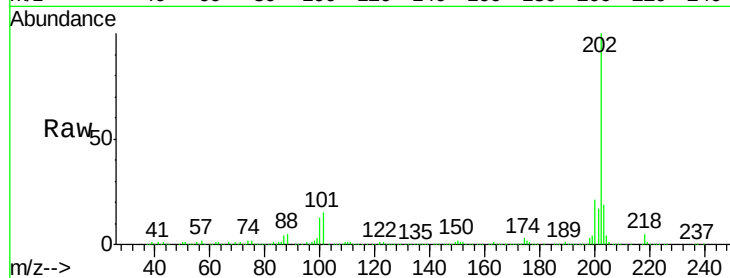
Tot Ion:202 Resp: 945935

Ion Ratio Lower Upper

202 100

200 20.9 16.9 25.3

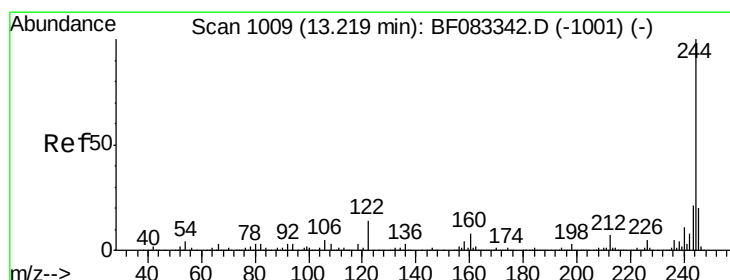
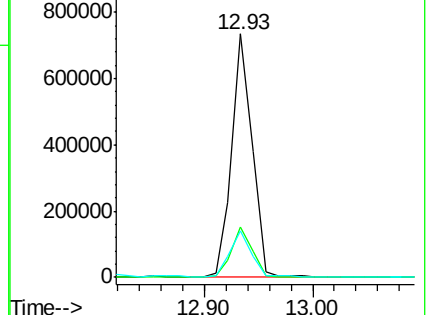
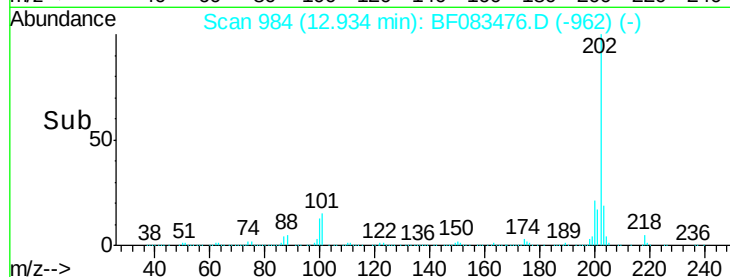
203 19.3 13.9 20.9



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

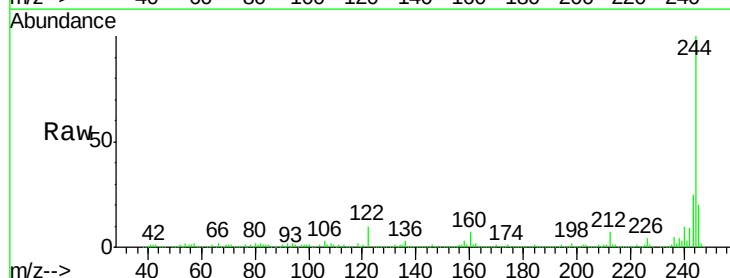
Tgt Ion:244 Resp: 901515

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

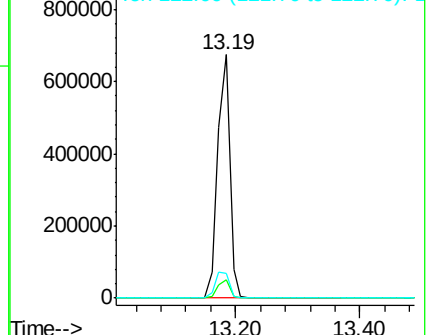
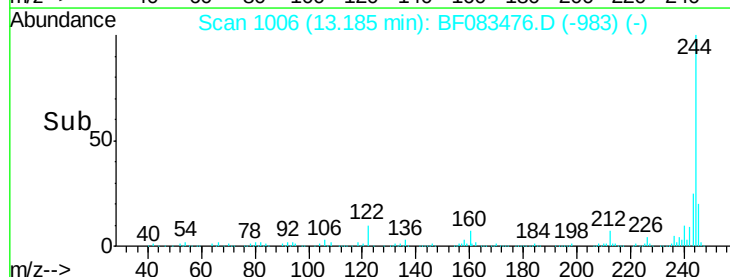
122 10.1 11.0 16.4#

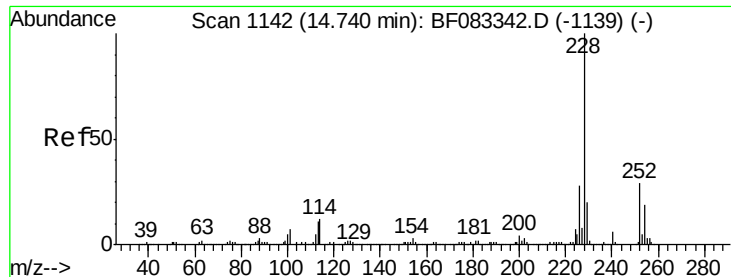


Abundance Ion 244.00 (243.70 to 244.70): E

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

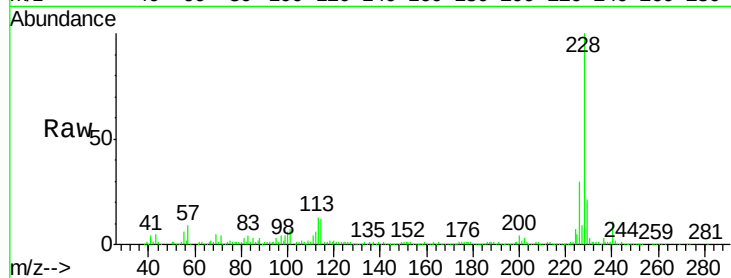
Tot Ion:228 Resp: 375185

Ion Ratio Lower Upper

228 100

226 29.7 22.2 33.4

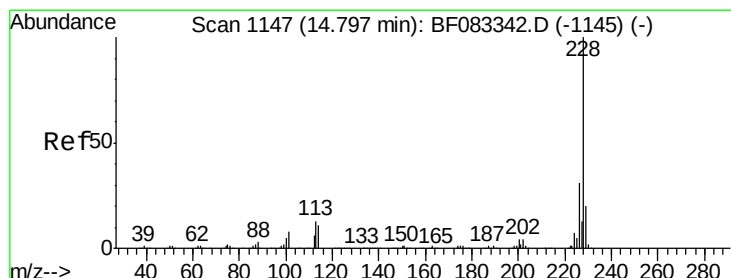
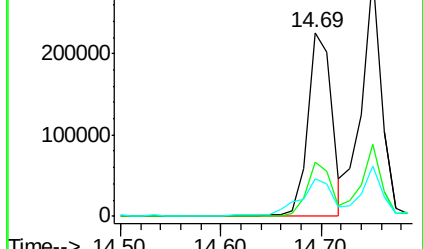
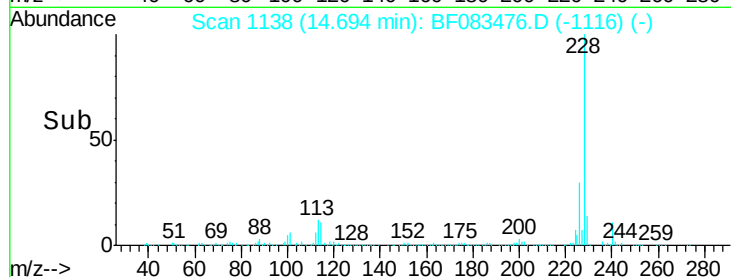
229 20.5 16.1 24.1



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

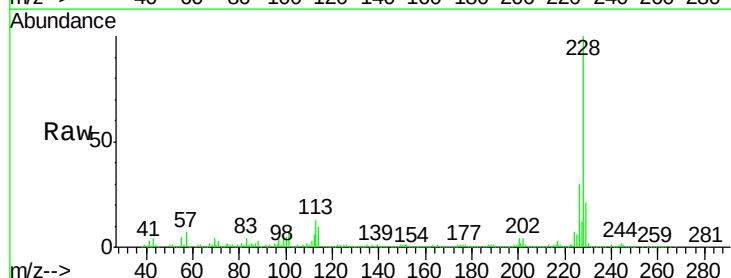
Tgt Ion:228 Resp: 412791

Ion Ratio Lower Upper

228 100

226 29.6 24.6 37.0

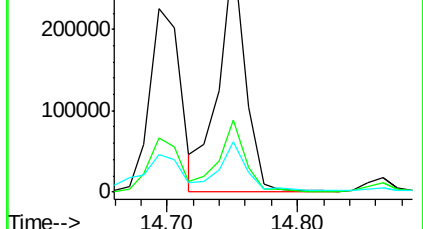
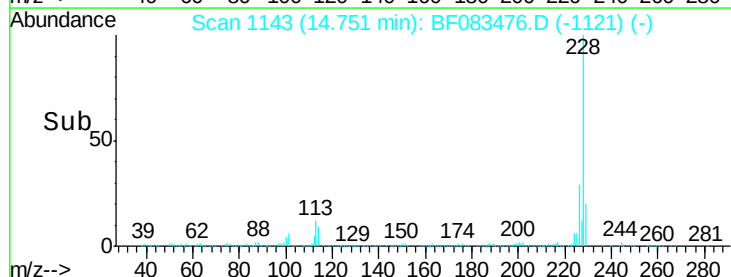
229 20.8 16.2 24.2

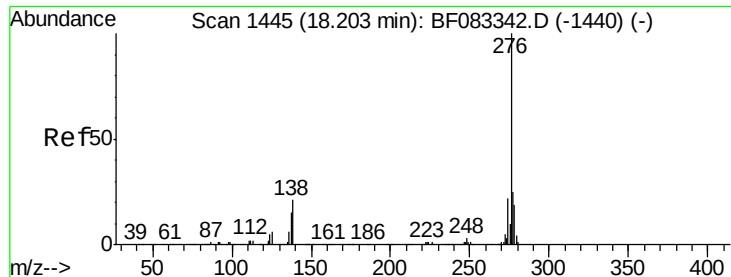


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

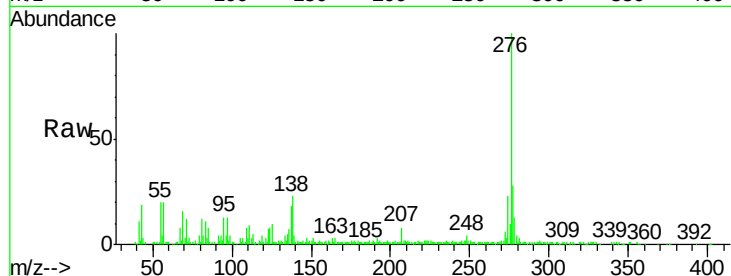




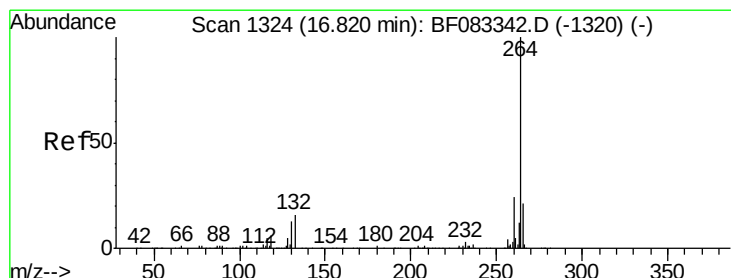
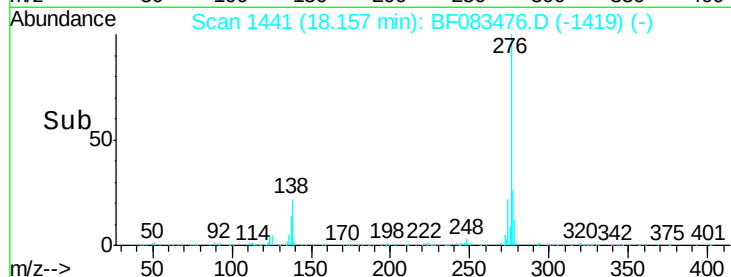
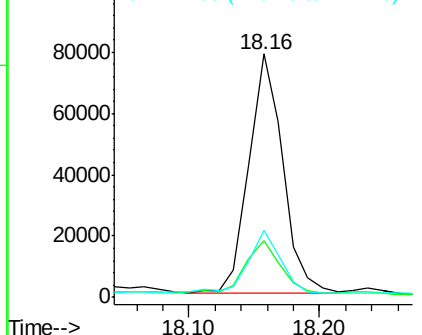
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.79 ng
 RT: 18.16 min Scan# 1441
 Delta R.T. -0.05 min
 Lab File: BF083476.D
 Acq: 3 Dec 2015 23:22

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

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

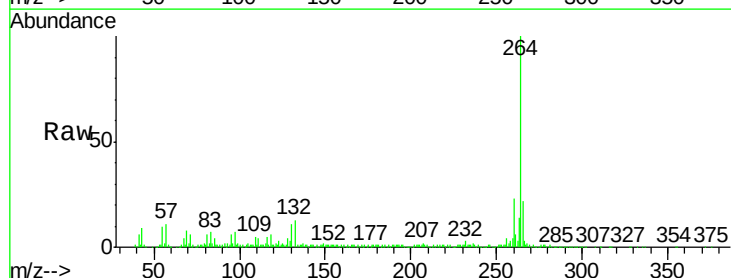


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

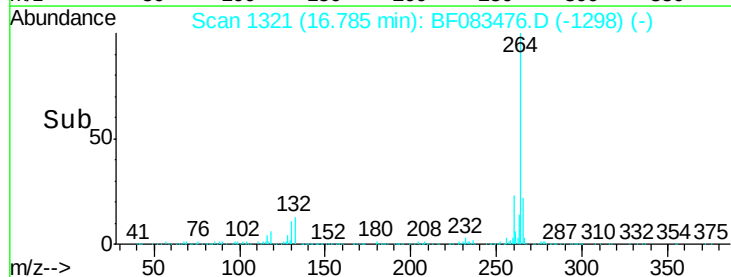
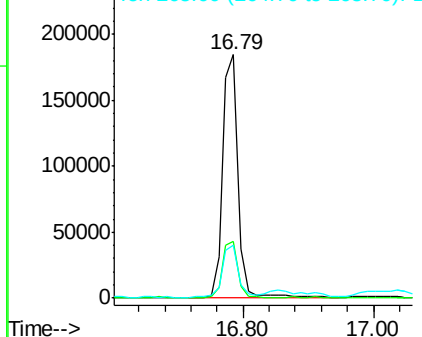


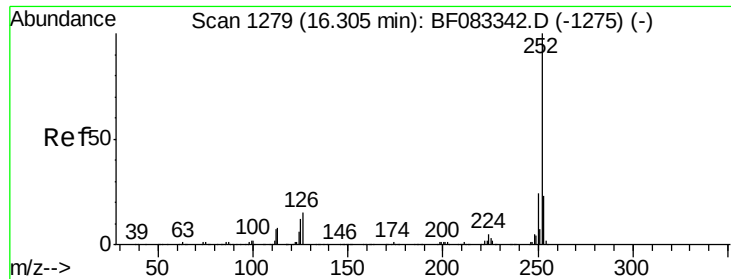
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.79 min Scan# 1321
 Delta R.T. -0.03 min
 Lab File: BF083476.D
 Acq: 3 Dec 2015 23:22

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



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

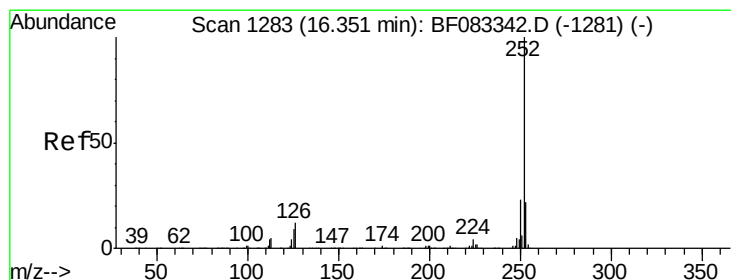
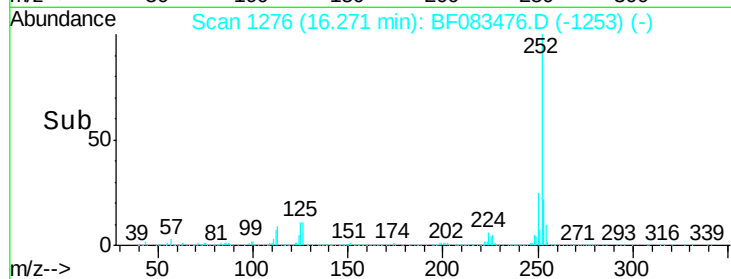
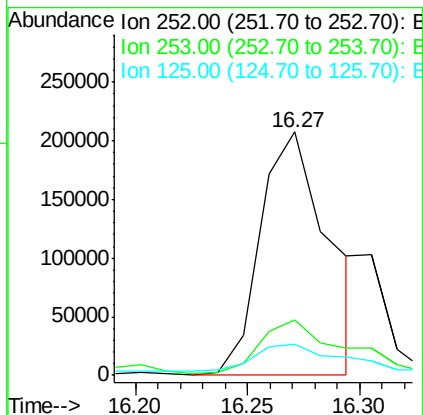
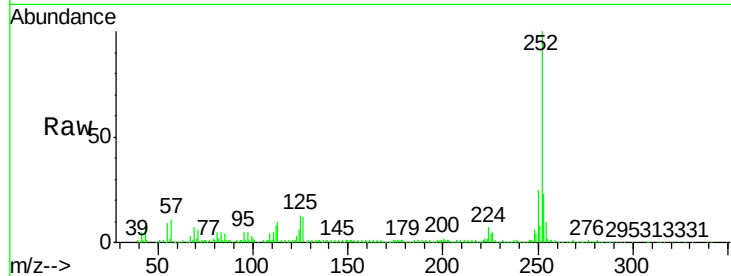




#87
Benzo(b)fluoranthene
Concen: 22.77 ng m
RT: 16.27 min Scan# 1276
Delta R.T. -0.03 min
Lab File: BF083476.D
Acq: 3 Dec 2015 23:22

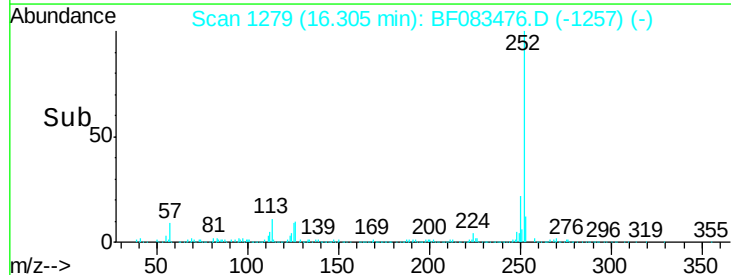
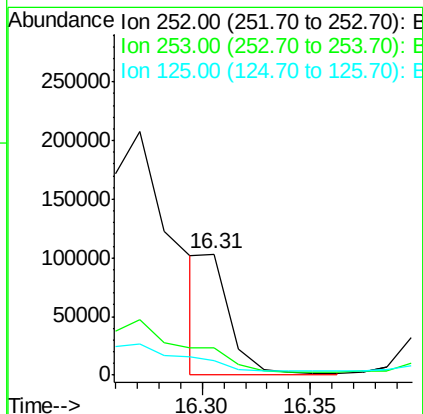
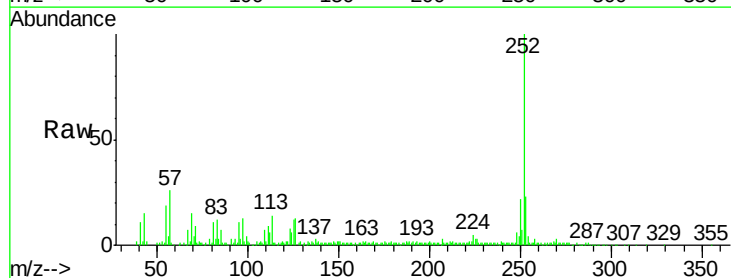
Instrument :
BNA_F
ClientSampleId :
CWC-MISC-7-20151130

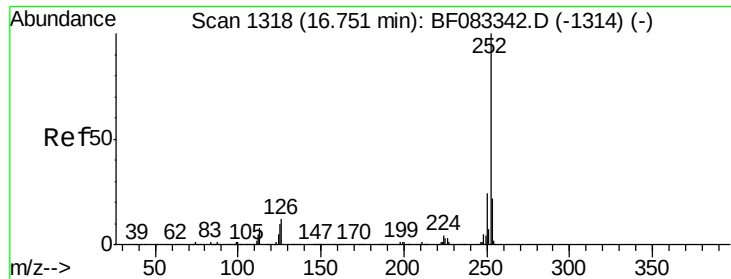
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.4	27.6
125	12.9	9.6	14.4



#88
Benzo(k)fluoranthene
Concen: 5.15 ng m
RT: 16.31 min Scan# 1279
Delta R.T. -0.05 min
Lab File: BF083476.D
Acq: 3 Dec 2015 23:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.0
125	11.8	7.5	11.3

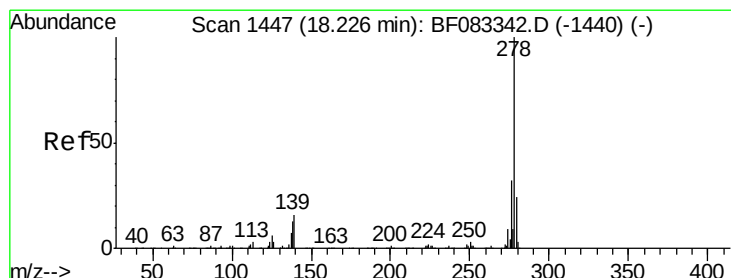
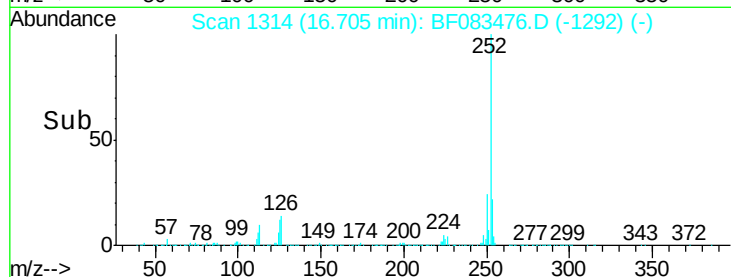
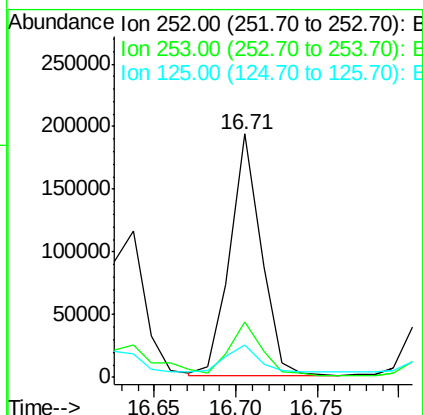
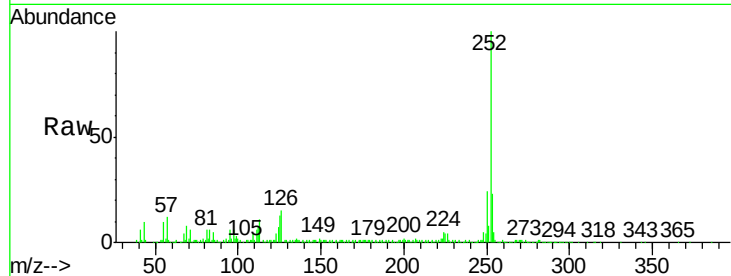




#89
Benzo(a)pyrene
Concen: 15.54 ng
RT: 16.71 min Scan# 1314
Delta R.T. -0.05 min
Lab File: BF083476.D
Acq: 3 Dec 2015 23:22

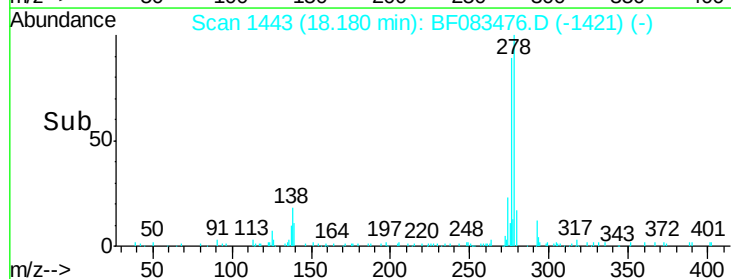
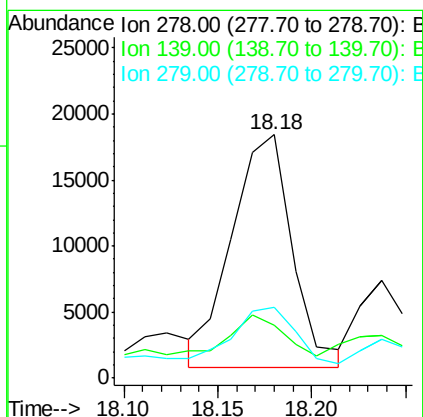
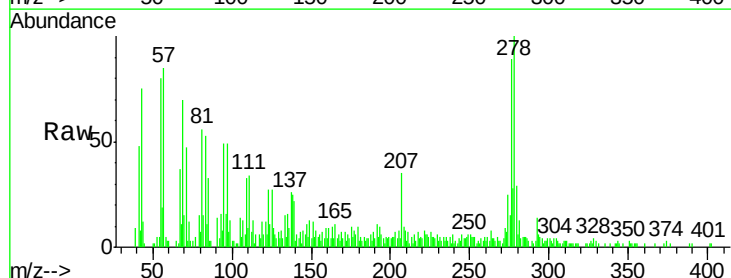
Instrument :
BNA_F
ClientSampleId :
CWC-MISC-7-20151130

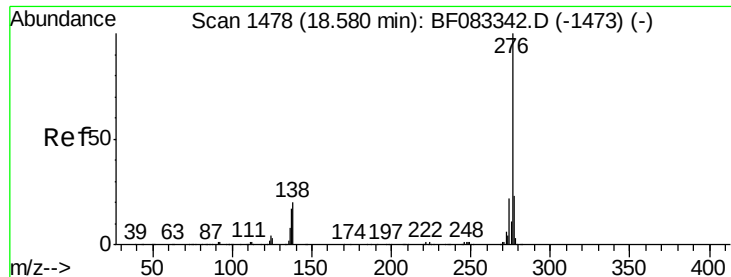
Tot Ion:252 Resp: 257771
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 13.4 7.8 11.8#



#90
Dibenzo(a,h)anthracene
Concen: 2.74 ng m
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: 39552
Ion Ratio Lower Upper
278 100
139 21.8 13.1 19.7#
279 28.9 19.2 28.8#





#91
 Benzo(a,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

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

