

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120315\
 Data File : BF083474.D
 Acq On : 3 Dec 2015 22:21
 Operator : UM/IZ
 Sample : G4608-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CWC-MISC-5-20151130

Quant Time: Dec 04 01:30:52 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	6.52	152	177998	20.00	ng	-0.02
21) Naphthalene-d8	7.81	136	660497	20.00	ng	-0.02
38) Acenaphthene-d10	9.56	164	325525	20.00	ng	-0.02
63) Phenanthrene-d10	11.09	188	506986	20.00	ng	-0.03
75) Chrysene-d12	14.72	240	381565	20.00	ng	-0.05
86) Perylene-d12	16.77	264	319127	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.12	112	1109388	93.52	ng	-0.01
7) Phenol-d6	6.20	99	1391146	85.68	ng	-0.02
23) Nitrobenzene-d5	7.10	82	1015489	67.59	ng	-0.02
41) 2,4,6-Tribromophenol	10.35	330	250818	76.76	ng	-0.03
44) 2-Fluorobiphenyl	8.90	172	1357923	59.45	ng	-0.02
78) Terphenyl-d14	13.19	244	933758	58.36	ng	-0.03

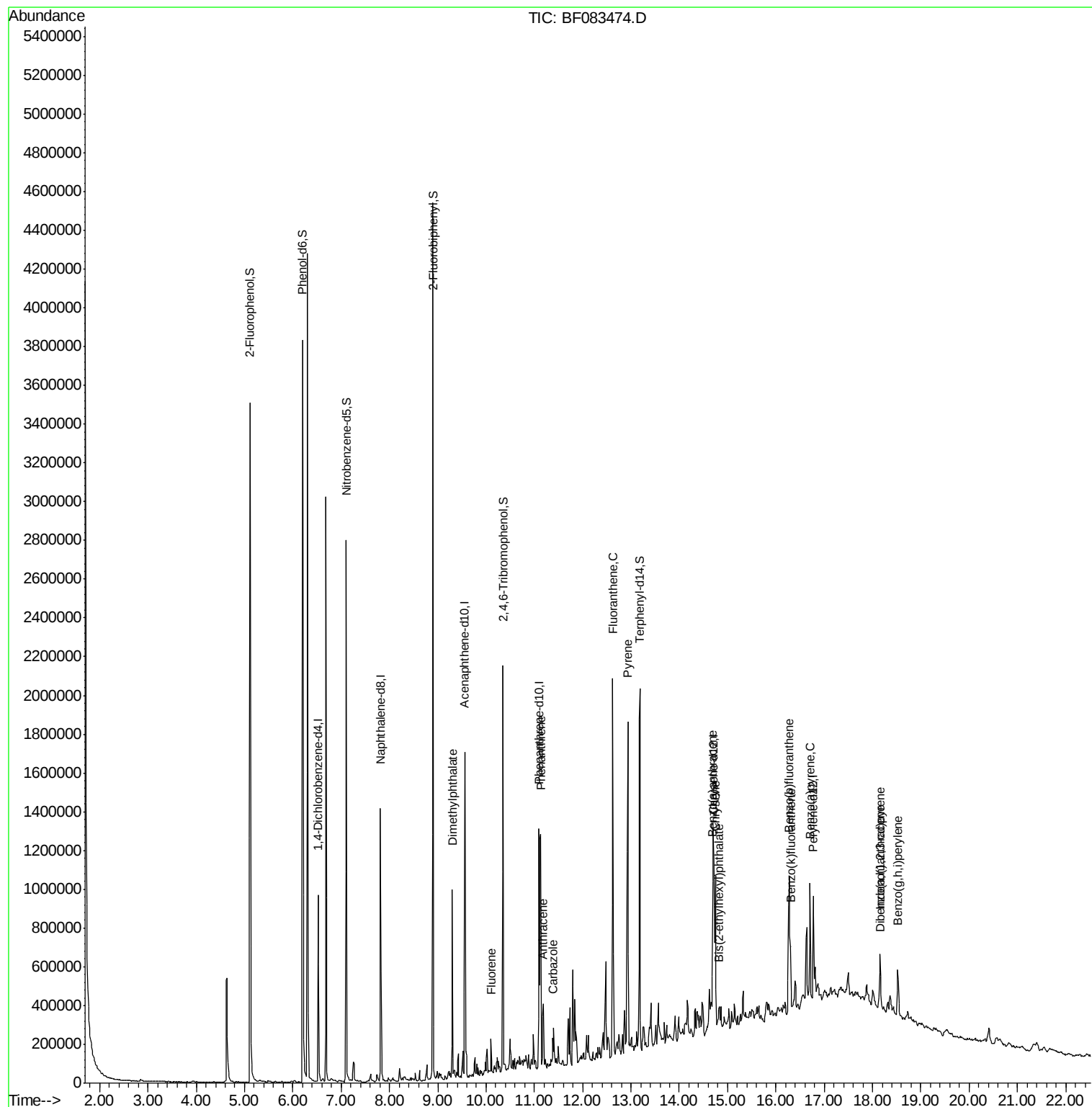
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	9.30	163	365503	13.82	ng	98
57) Fluorene	10.10	166	48568	2.06	ng	97
70) Phenanthrene	11.13	178	720630	24.02	ng	99
71) Anthracene	11.18	178	178930	5.92	ng	97
72) Carbazole	11.38	167	71371	2.63	ng	97
74) Fluoranthene	12.62	202	985520	31.69	ng	97
77) Pyrene	12.93	202	881672	33.09	ng	97
80) Benzo(a)anthracene	14.69	228	441372	18.88	ng	97
82) Chrysene	14.75	228	422789	18.72	ng	97
83) Bis(2-ethylhexyl)phthalate	14.83	149	37231	2.46	ng	95
85) Indeno(1,2,3-cd)pyrene	18.16	276	183305	11.14	ng	96
87) Benzo(b)fluoranthene	16.27	252	521664m	25.48	ng	
88) Benzo(k)fluoranthene	16.31	252	115252m	5.96	ng	
89) Benzo(a)pyrene	16.71	252	334893	19.04	ng	# 96
90) Dibenzo(a,h)anthracene	18.17	278	48175m	3.14	ng	
91) Benzo(g,h,i)perylene	18.52	276	177230	11.78	ng	96

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120315\
Data File : BF083474.D
Acq On : 3 Dec 2015 22:21
Operator : UM/IZ
Sample : G4608-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CWC-MISC-5-20151130

Quant Time: Dec 04 01:30:52 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: 6.52 min Scan# 423

Delta R.T. -0.02 min

Lab File: BF083474.D

Acq: 3 Dec 2015 22:21

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-5-20151130

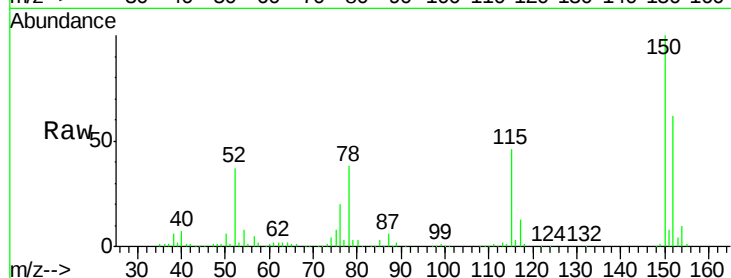
Tot Ion:152 Resp: 177998

Ion Ratio Lower Upper

152 100

150 160.5 129.8 194.8

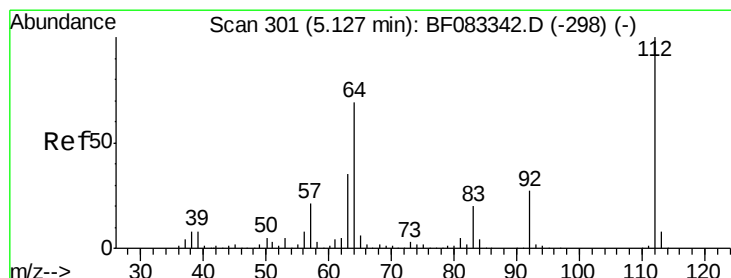
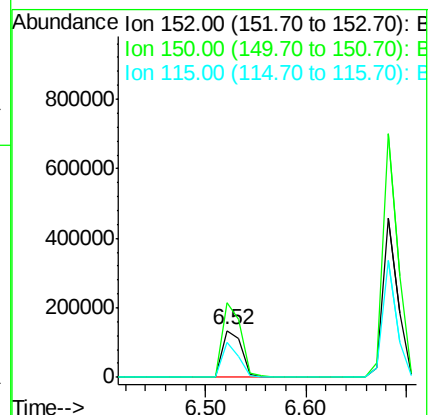
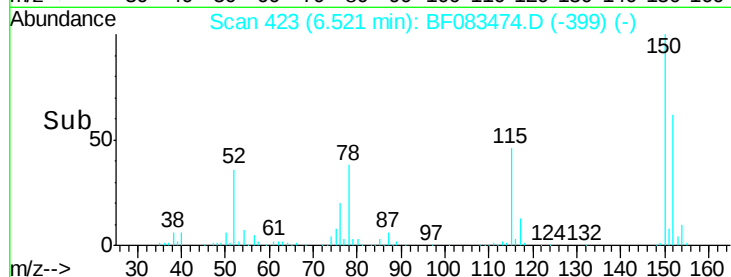
115 73.9 59.2 88.8



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: 93.52 ng

RT: 5.12 min Scan# 300

Delta R.T. -0.01 min

Lab File: BF083474.D

Acq: 3 Dec 2015 22:21

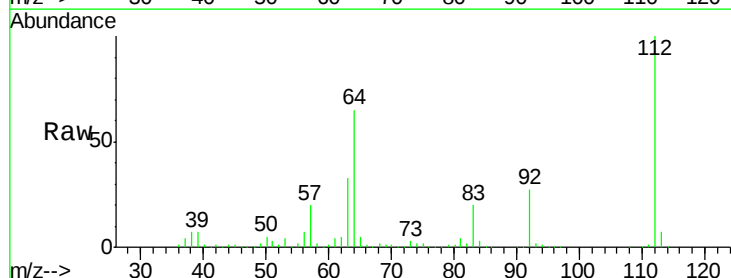
Tgt Ion:112 Resp: 1109388

Ion Ratio Lower Upper

112 100

64 65.4 55.6 83.4

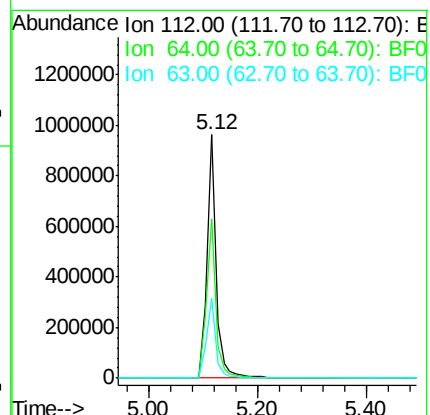
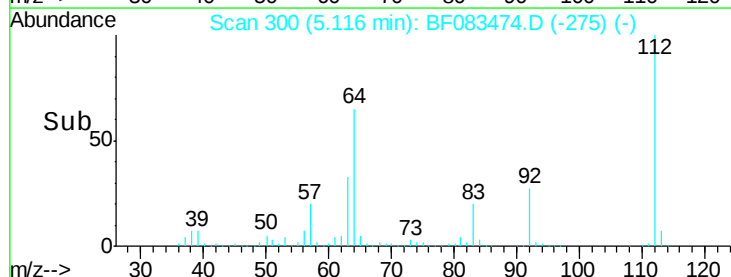
63 32.9 28.2 42.2



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: 85.68 ng

RT: 6.20 min Scan# 395

Delta R.T. -0.02 min

Lab File: BF083474.D

Acq: 3 Dec 2015 22:21

Instrument :

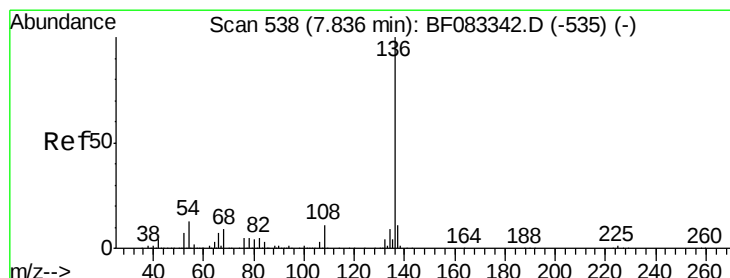
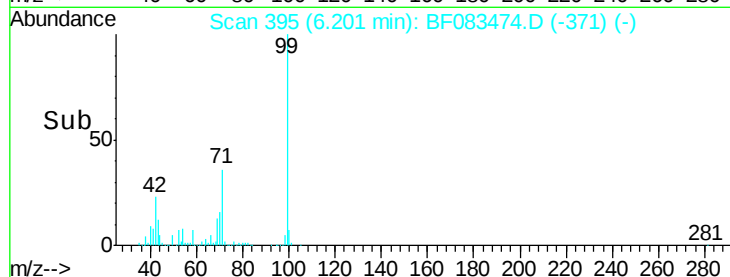
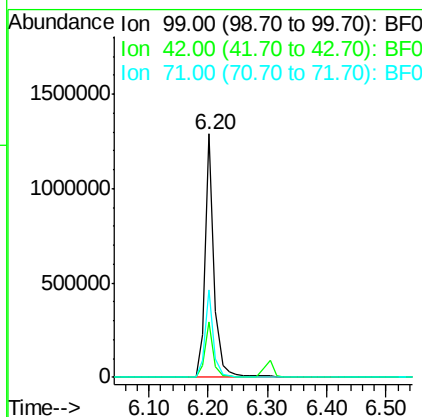
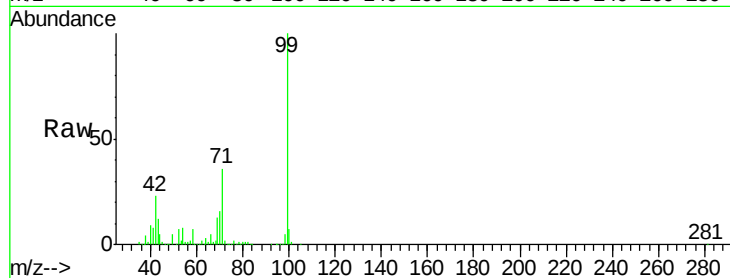
BNA_F

ClientSampleId :

CWC-MISC-5-20151130

Tot Ion: 99 Resp: 1391146

Ion	Ratio	Lower	Upper
99	100		
42	22.6	14.9	22.3#
71	35.8	24.7	37.1



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.81 min Scan# 536

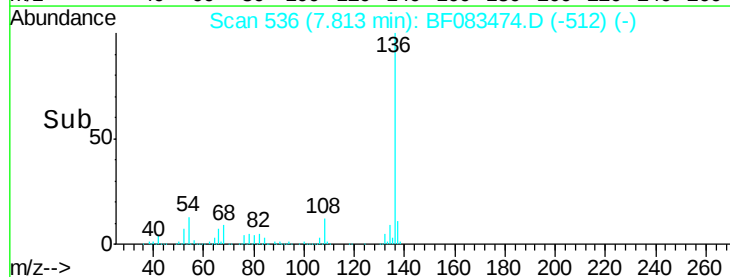
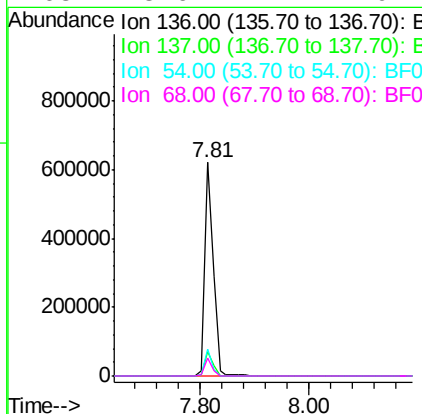
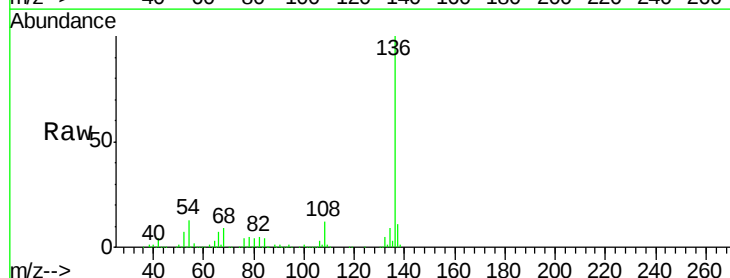
Delta R.T. -0.02 min

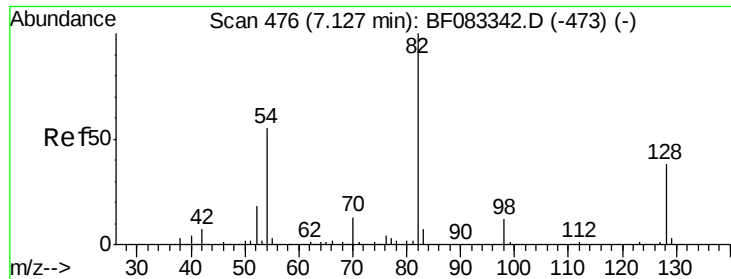
Lab File: BF083474.D

Acq: 3 Dec 2015 22:21

Tgt Ion: 136 Resp: 660497

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	12.6	10.1	15.1
68	8.6	7.1	10.7

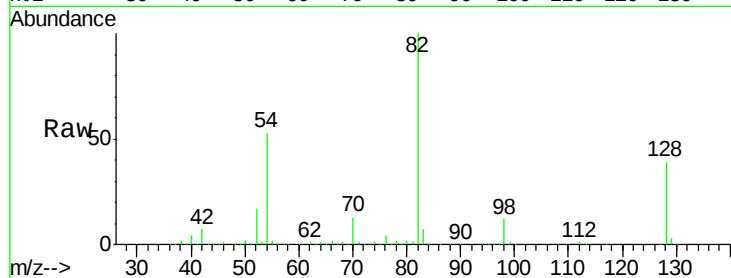




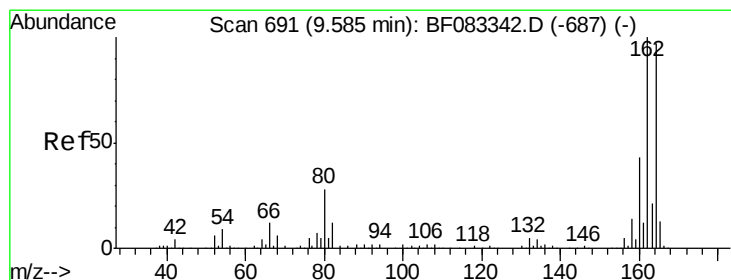
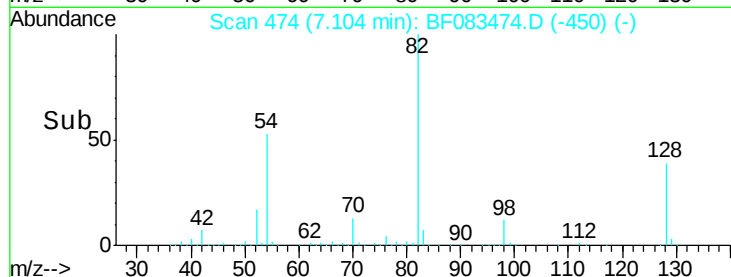
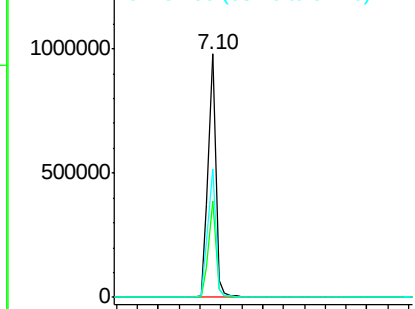
#23
Nitrobenzene-d5
Concen: 67.59 ng
RT: 7.10 min Scan# 474
Delta R.T. -0.02 min
Lab File: BF083474.D
Acq: 3 Dec 2015 22:21

Instrument :
BNA_F
ClientSampleId :
CWC-MISC-5-20151130

Tot Ion: 82 Resp: 1015489
Ion Ratio Lower Upper
82 100
128 39.4 30.6 46.0
54 52.7 43.8 65.6

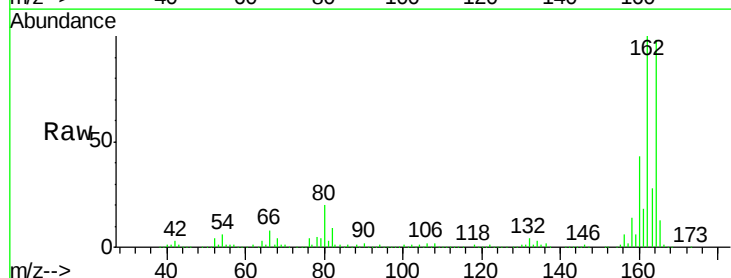


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

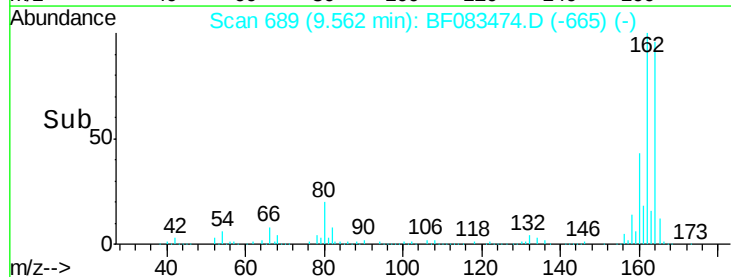
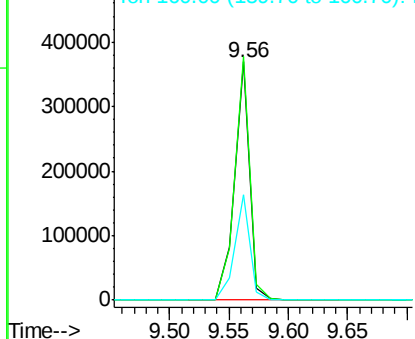


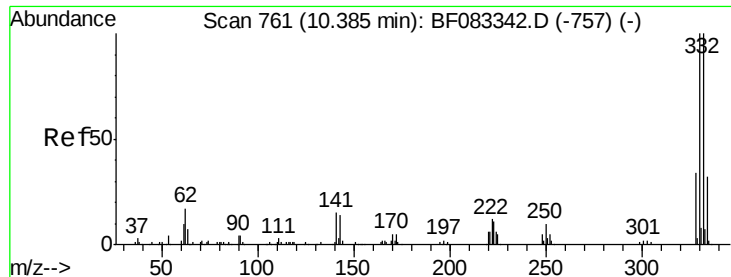
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.56 min Scan# 689
Delta R.T. -0.02 min
Lab File: BF083474.D
Acq: 3 Dec 2015 22:21

Tgt Ion: 164 Resp: 325525
Ion Ratio Lower Upper
164 100
162 102.3 82.6 123.8
160 44.0 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

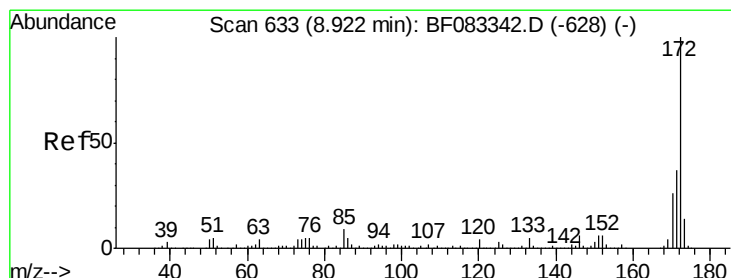
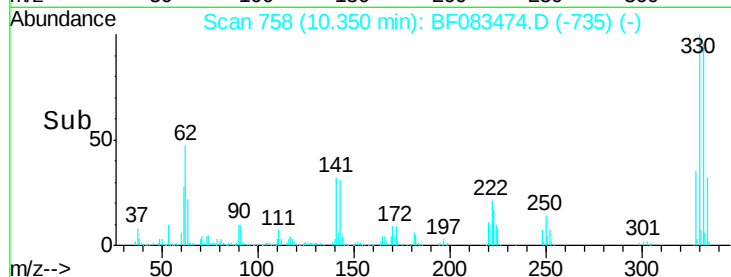
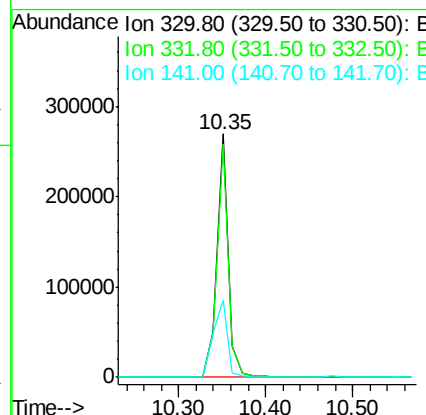
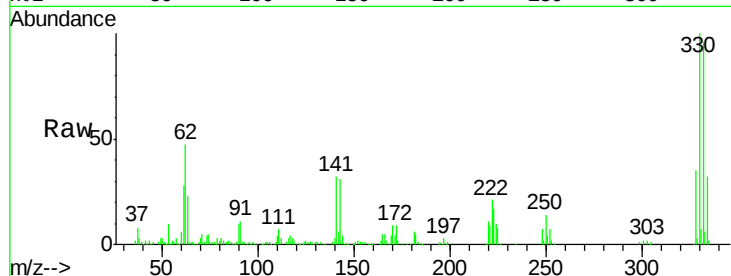




#41
 2,4,6-Tribromophenol
 Concen: 76.76 ng
 RT: 10.35 min Scan# 758
 Delta R.T. -0.03 min
 Lab File: BF083474.D
 Acq: 3 Dec 2015 22:21

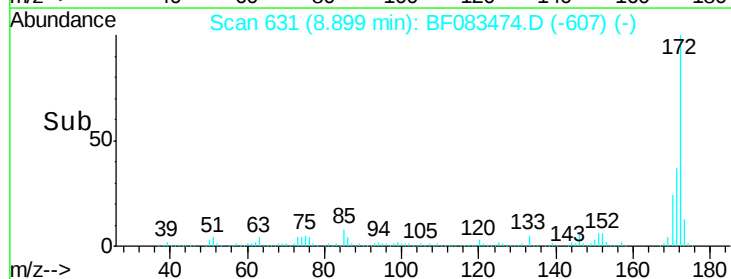
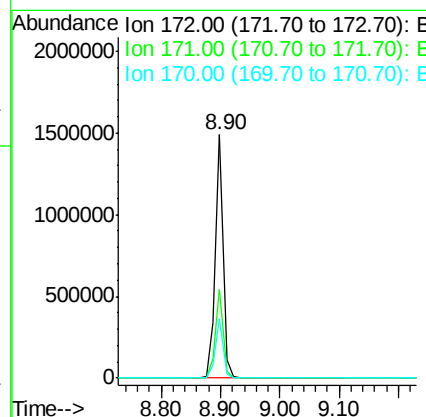
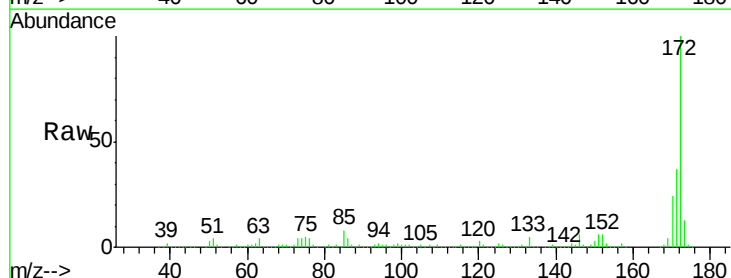
Instrument :
 BNA_F
 ClientSampleId :
 CWC-MISC-5-20151130

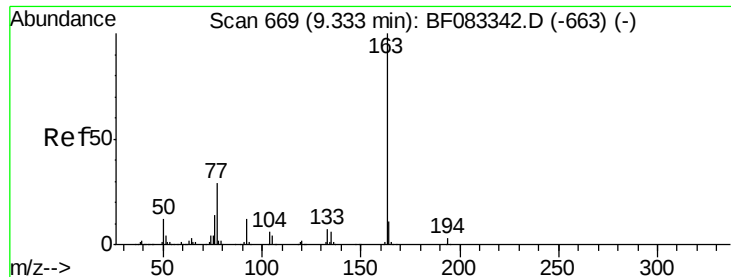
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.8	116.6
141	39.1	29.4	44.0



#44
 2-Fluorobiphenyl
 Concen: 59.45 ng
 RT: 8.90 min Scan# 631
 Delta R.T. -0.02 min
 Lab File: BF083474.D
 Acq: 3 Dec 2015 22:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.4	44.0
170	24.4	20.4	30.6

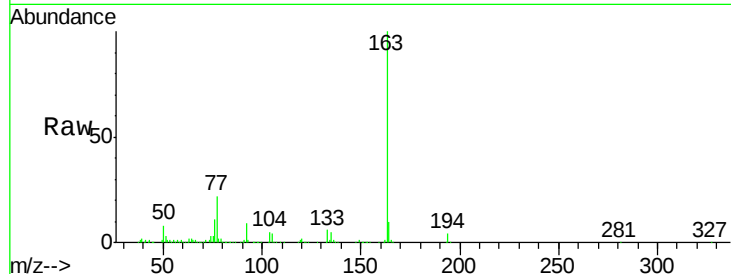




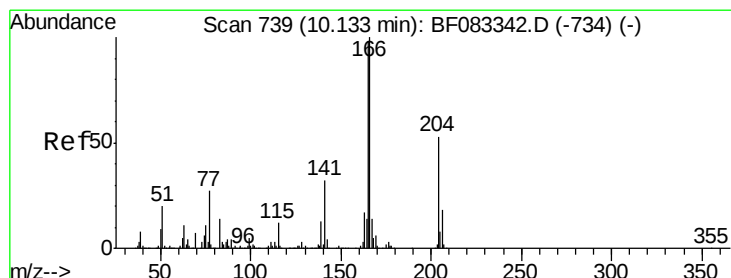
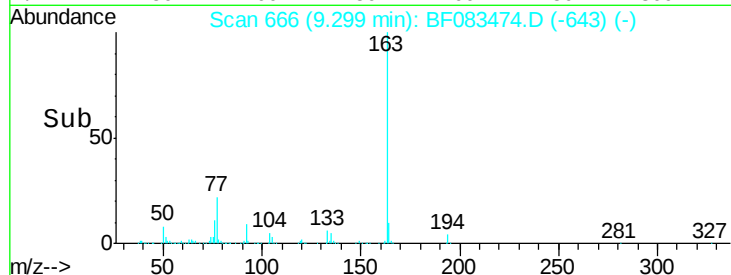
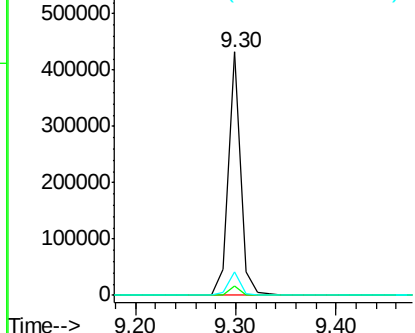
#49
Dimethylphthalate
Concen: 13.82 ng
RT: 9.30 min Scan# 666
Delta R.T. -0.03 min
Lab File: BF083474.D
Acq: 3 Dec 2015 22:21

Instrument :
BNA_F
ClientSampleId :
CWC-MISC-5-20151130

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.7	4.1
164	9.9	8.8	13.2

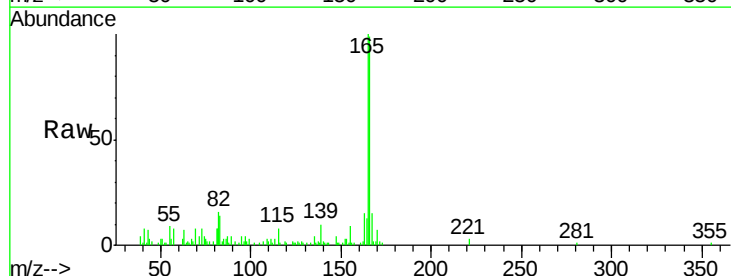


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

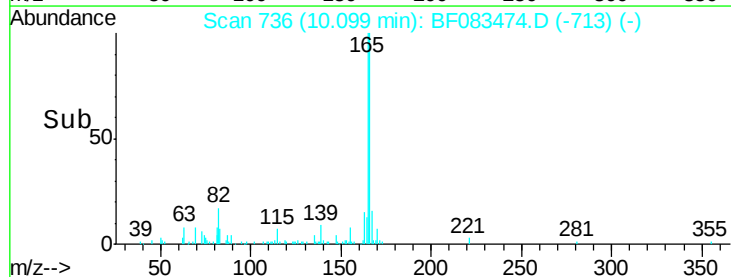
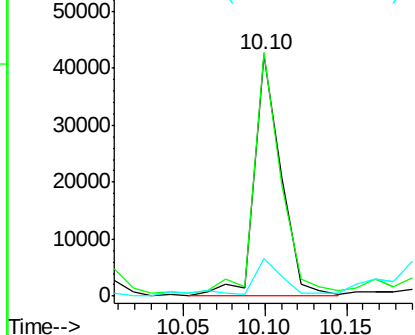


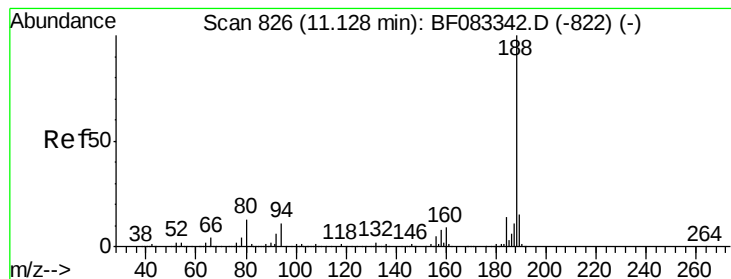
#57
Fluorene
Concen: 2.06 ng
RT: 10.10 min Scan# 736
Delta R.T. -0.03 min
Lab File: BF083474.D
Acq: 3 Dec 2015 22:21

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.0	78.3	117.5
167	15.6	11.1	16.7



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.09 min Scan# 823

Delta R.T. -0.03 min

Lab File: BF083474.D

Acq: 3 Dec 2015 22:21

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-5-20151130

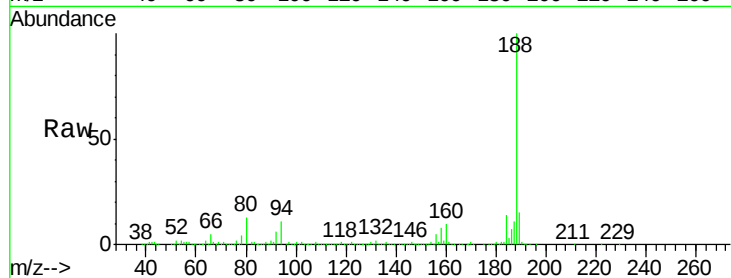
Tot Ion:188 Resp: 506986

Ion Ratio Lower Upper

188 100

94 11.3 8.7 13.1

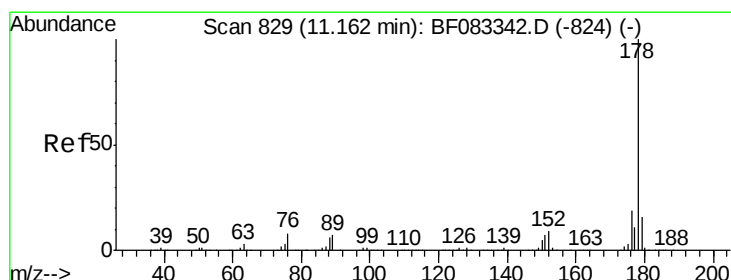
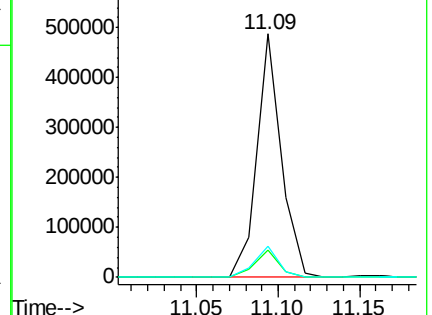
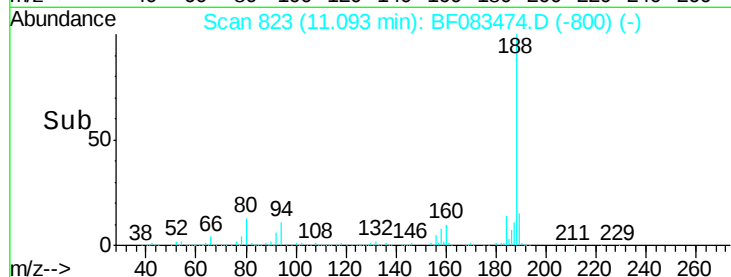
80 13.0 10.3 15.5



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: 24.02 ng

RT: 11.13 min Scan# 826

Delta R.T. -0.03 min

Lab File: BF083474.D

Acq: 3 Dec 2015 22:21

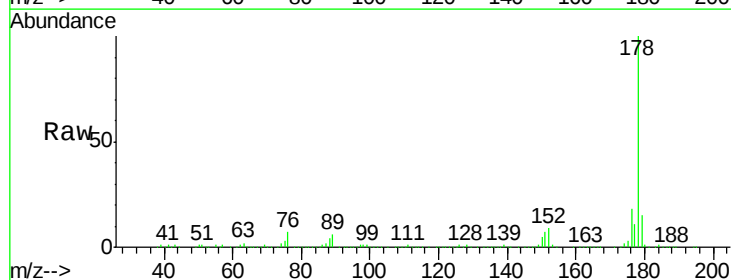
Tgt Ion:178 Resp: 720630

Ion Ratio Lower Upper

178 100

176 18.4 15.3 22.9

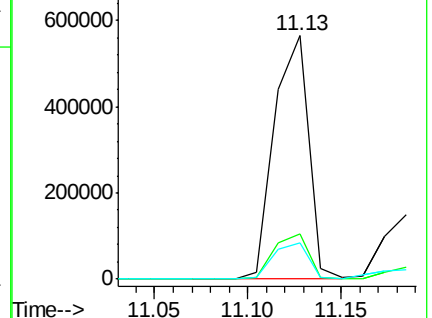
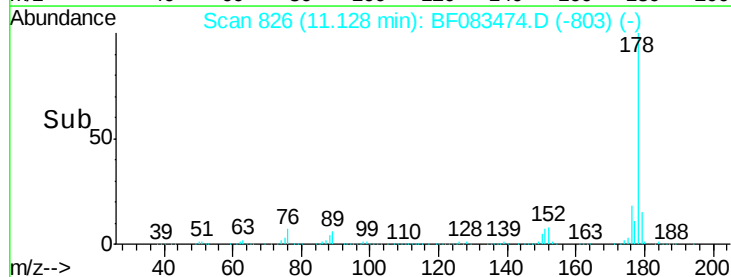
179 15.0 12.4 18.6

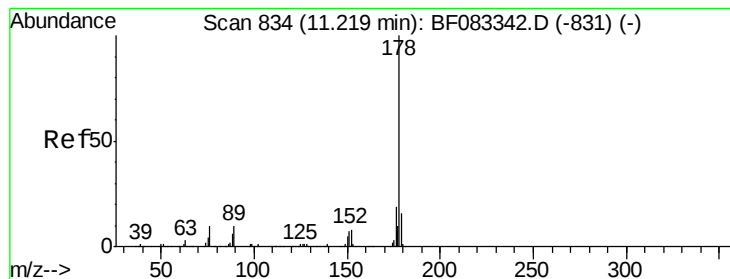


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 5.92 ng

RT: 11.18 min Scan# 831

Delta R.T. -0.03 min

Lab File: BF083474.D

Acq: 3 Dec 2015 22:21

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-5-20151130

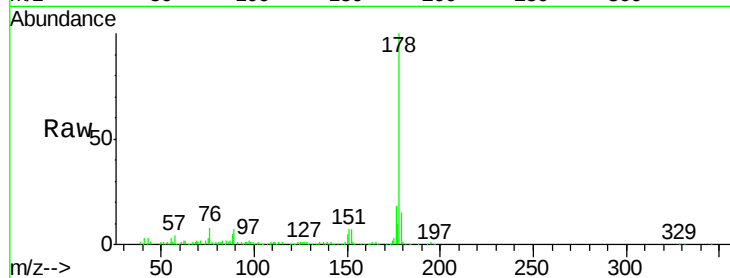
Tot Ion:178 Resp: 178930

Ion Ratio Lower Upper

178 100

176 17.8 15.6 23.4

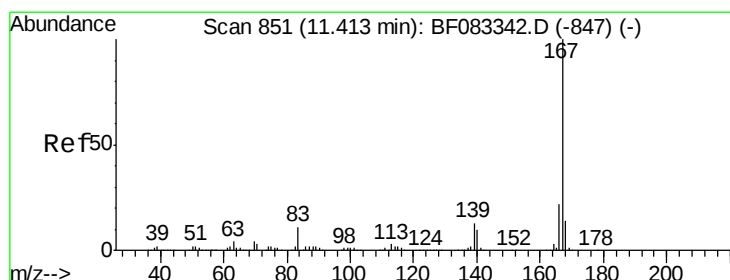
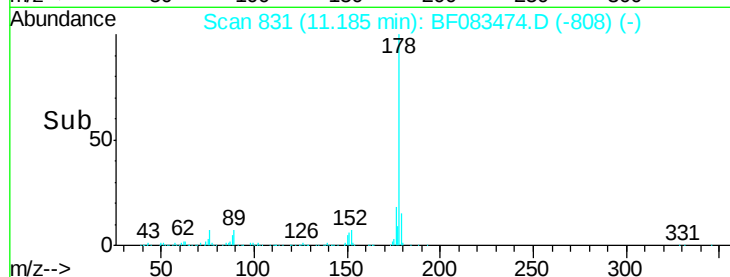
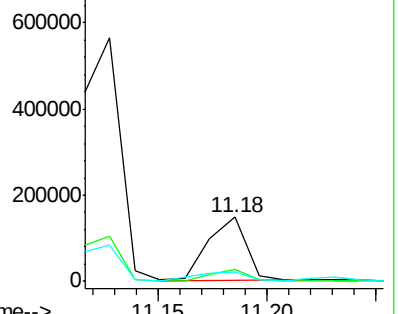
179 15.1 12.8 19.2



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: 2.63 ng

RT: 11.38 min Scan# 848

Delta R.T. -0.03 min

Lab File: BF083474.D

Acq: 3 Dec 2015 22:21

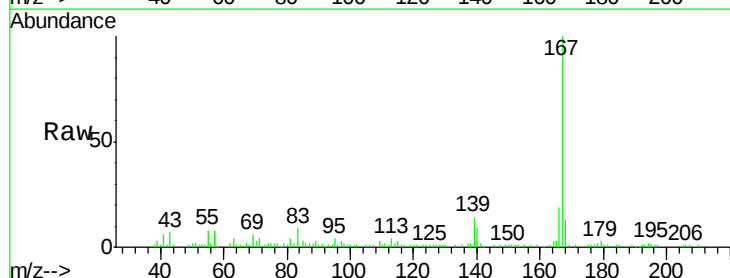
Tgt Ion:167 Resp: 71371

Ion Ratio Lower Upper

167 100

166 19.4 17.4 26.0

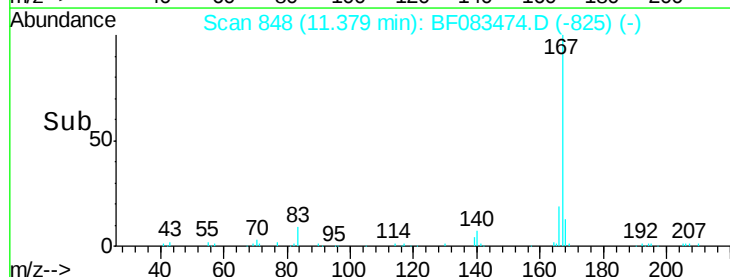
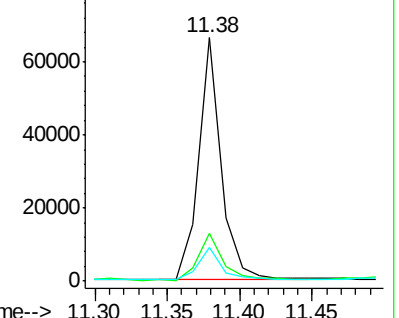
139 13.7 10.5 15.7

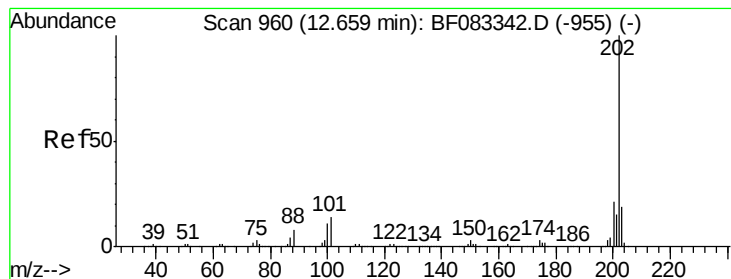


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 31.69 ng

RT: 12.62 min Scan# 957

Delta R.T. -0.03 min

Lab File: BF083474.D

Acq: 3 Dec 2015 22:21

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-5-20151130

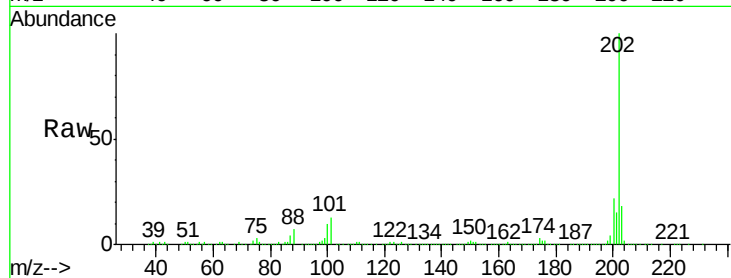
Tot Ion:202 Resp: 985520

Ion Ratio Lower Upper

202 100

101 12.7 0.0 34.5

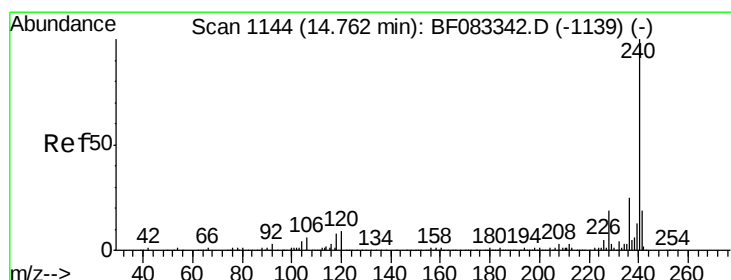
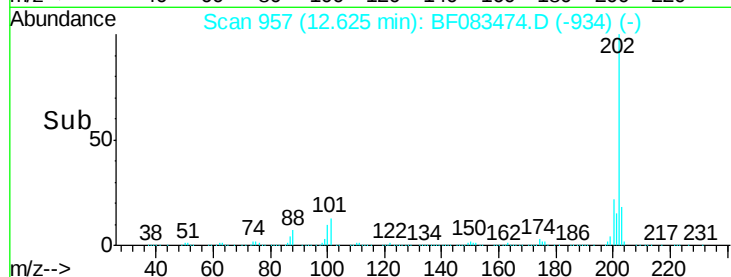
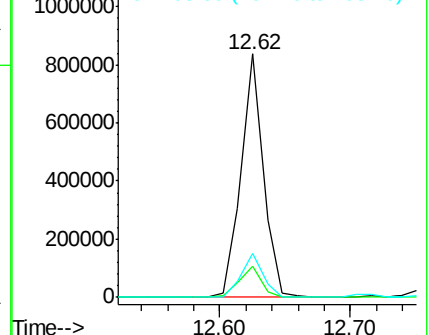
203 18.2 0.0 38.7



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: BF083474.D

Acq: 3 Dec 2015 22:21

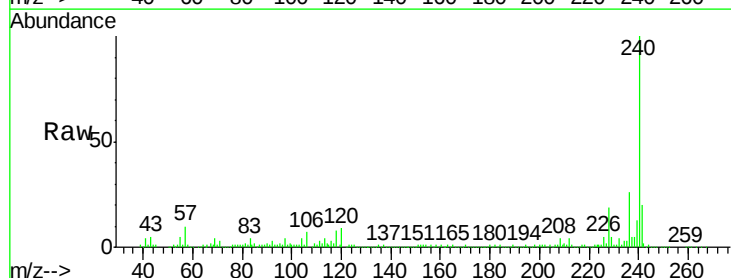
Tgt Ion:240 Resp: 381565

Ion Ratio Lower Upper

240 100

120 9.4 6.9 10.3

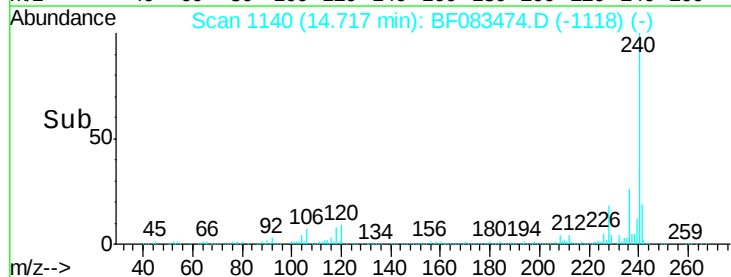
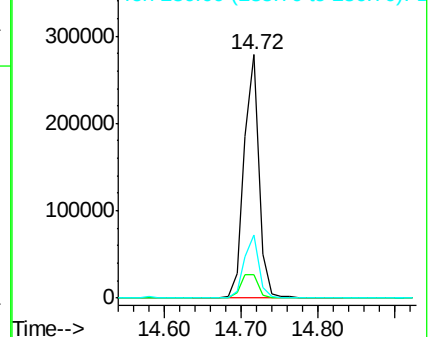
236 25.7 19.8 29.6

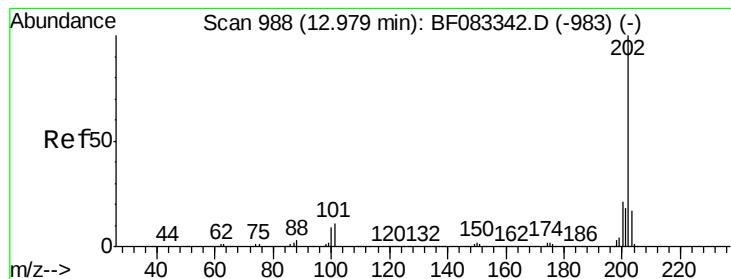


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 33.09 ng

RT: 12.93 min Scan# 984

Delta R.T. -0.05 min

Lab File: BF083474.D

Acq: 3 Dec 2015 22:21

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-5-20151130

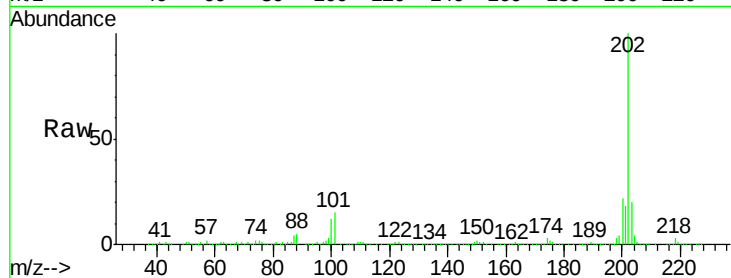
Tot Ion:202 Resp: 881672

Ion Ratio Lower Upper

202 100

200 21.7 16.9 25.3

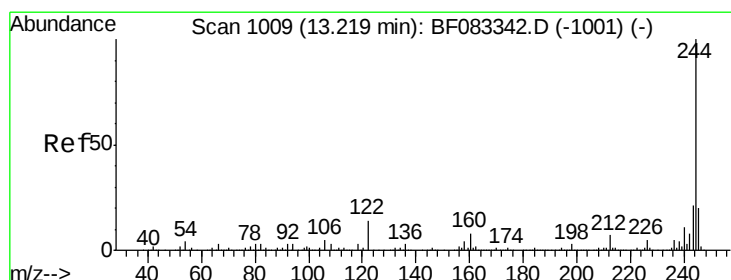
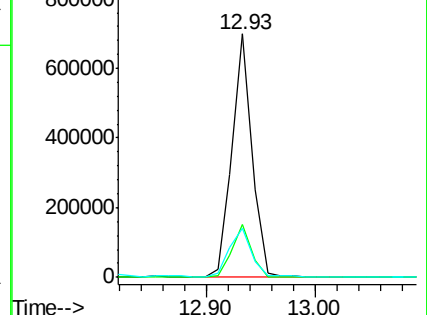
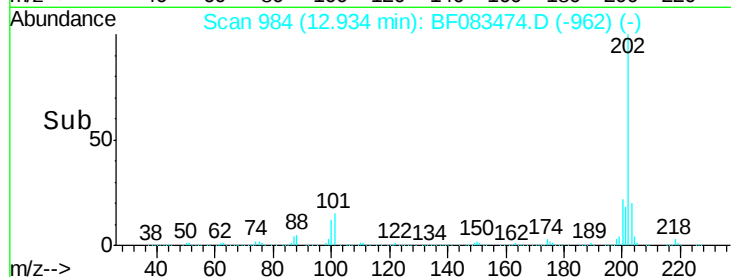
203 19.9 13.9 20.9



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: 58.36 ng

RT: 13.19 min Scan# 1006

Delta R.T. -0.03 min

Lab File: BF083474.D

Acq: 3 Dec 2015 22:21

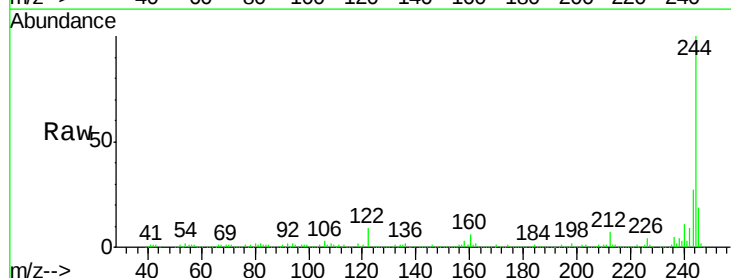
Tgt Ion:244 Resp: 933758

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

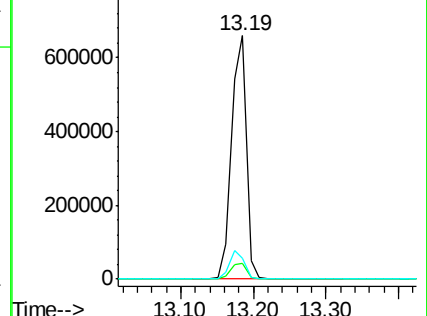
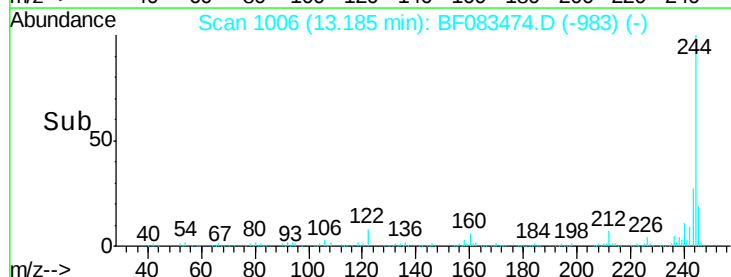
122 8.6 11.0 16.4#

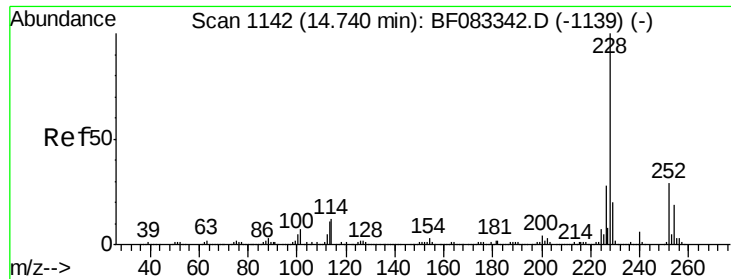


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 18.88 ng

RT: 14.69 min Scan# 1138

Delta R.T. -0.05 min

Lab File: BF083474.D

Acq: 3 Dec 2015 22:21

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-5-20151130

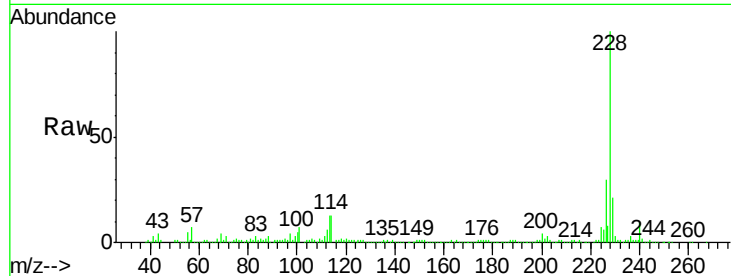
Tot Ion:228 Resp: 441372

Ion Ratio Lower Upper

228 100

226 29.6 22.2 33.4

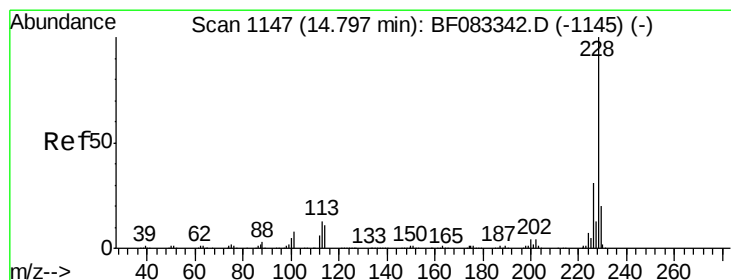
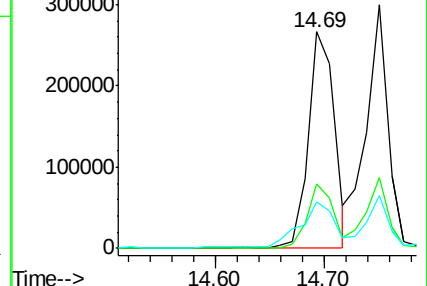
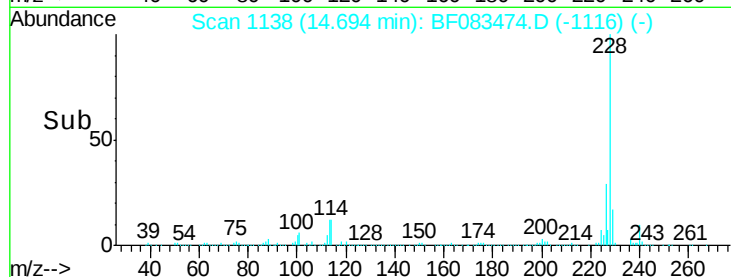
229 21.2 16.1 24.1



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: 18.72 ng

RT: 14.75 min Scan# 1143

Delta R.T. -0.05 min

Lab File: BF083474.D

Acq: 3 Dec 2015 22:21

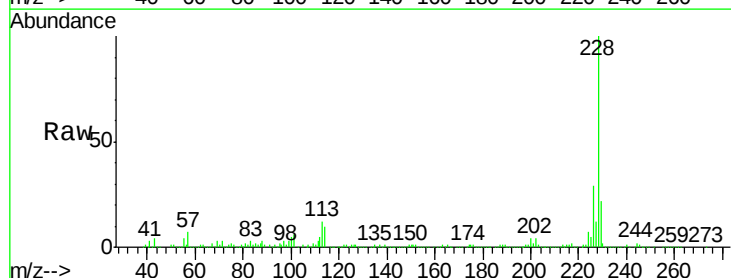
Tgt Ion:228 Resp: 422789

Ion Ratio Lower Upper

228 100

226 29.3 24.6 37.0

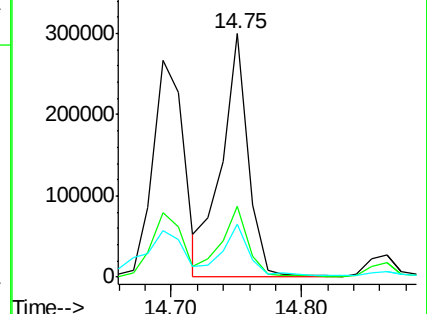
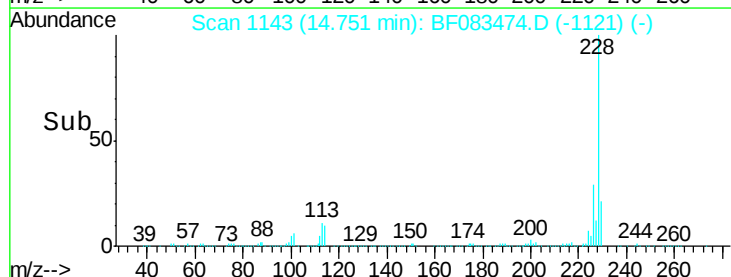
229 21.9 16.2 24.2

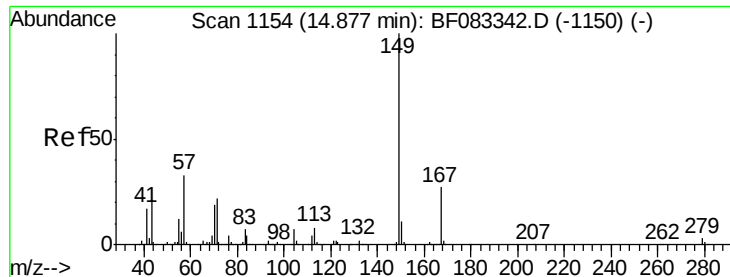


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.46 ng

RT: 14.83 min Scan# 1150

Delta R.T. -0.05 min

Lab File: BF083474.D

Acq: 3 Dec 2015 22:21

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-5-20151130

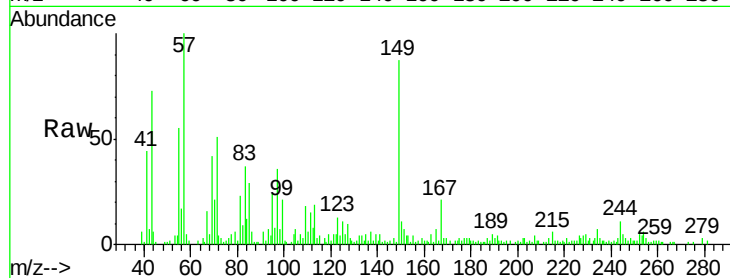
Tot Ion:149 Resp: 37231

Ion Ratio Lower Upper

149 100

167 24.1 21.5 32.3

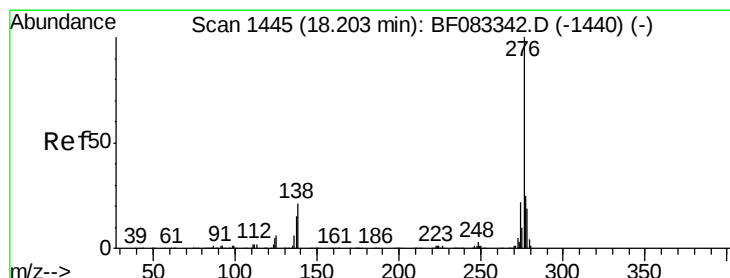
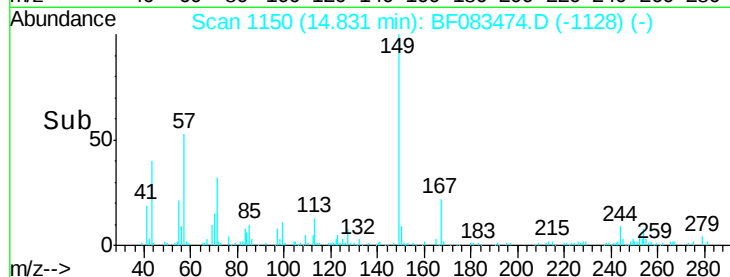
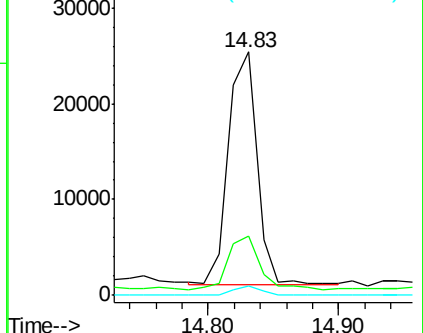
279 3.7 2.6 3.8



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: 11.14 ng

RT: 18.16 min Scan# 1441

Delta R.T. -0.05 min

Lab File: BF083474.D

Acq: 3 Dec 2015 22:21

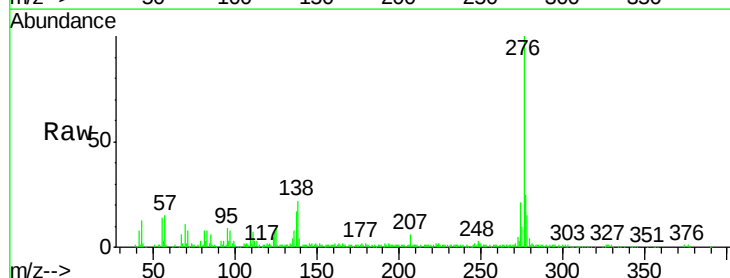
Tgt Ion:276 Resp: 183305

Ion Ratio Lower Upper

276 100

138 24.8 21.2 31.8

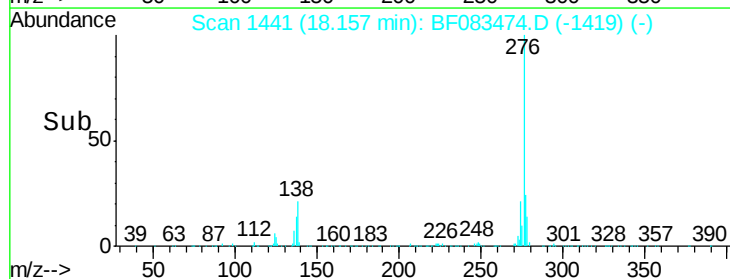
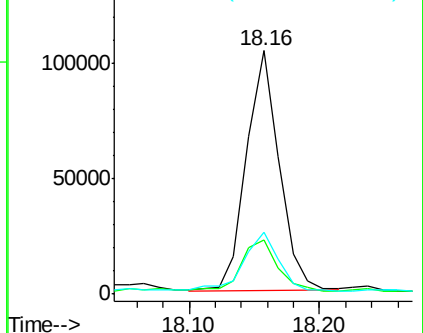
277 26.9 20.0 30.0

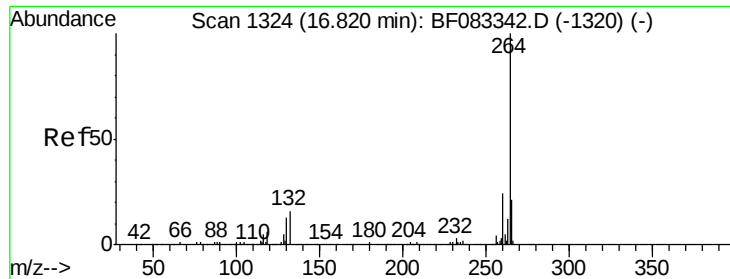


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



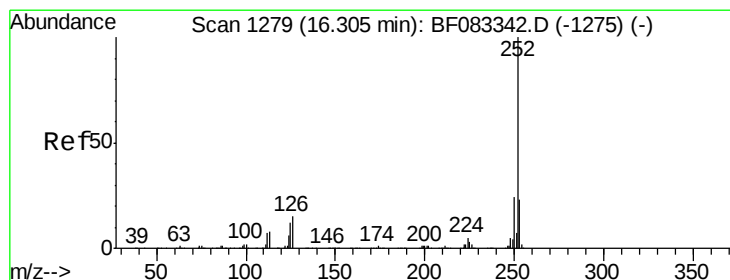
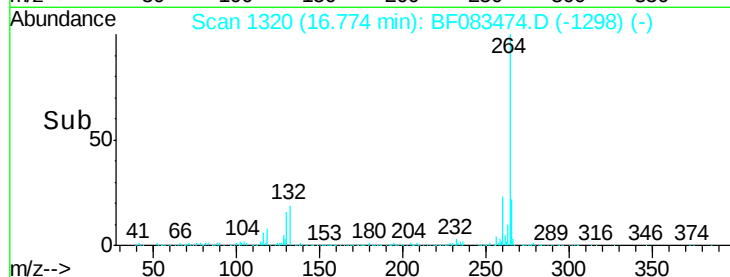
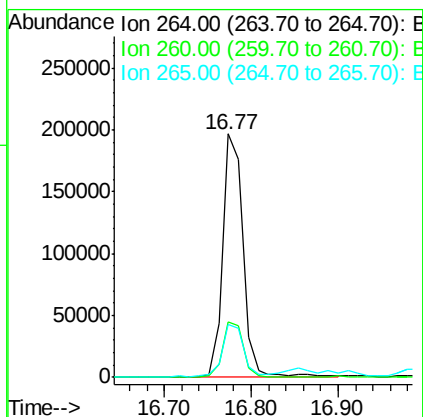
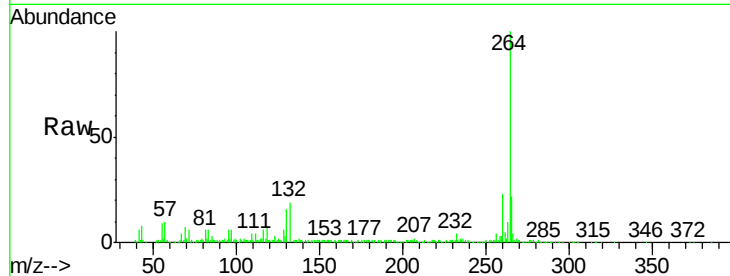


#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.77 min Scan# 1320
Delta R.T. -0.05 min
Lab File: BF083474.D
Acq: 3 Dec 2015 22:21

Instrument :
BNA_F
ClientSampleId :
CWC-MISC-5-20151130

Tot Ion:264 Resp: 319127

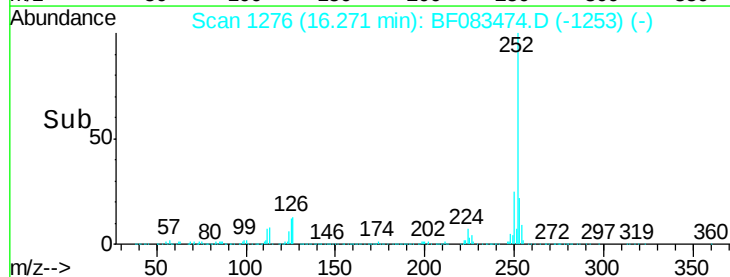
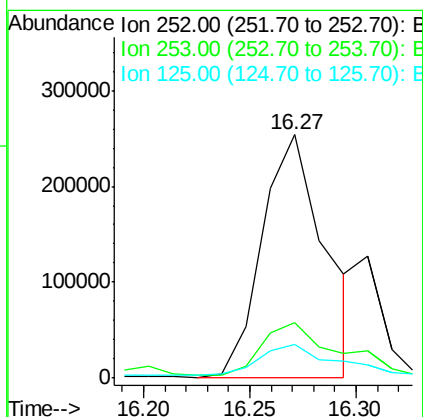
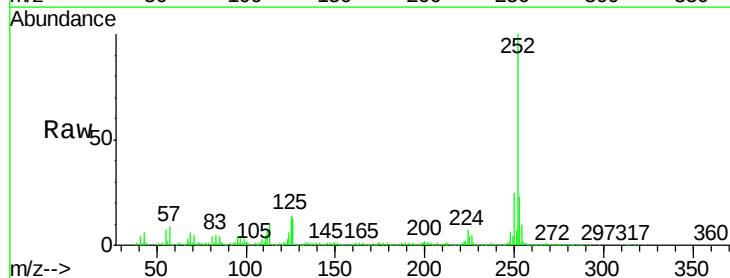
Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.0	28.4
265	22.0	16.8	25.2

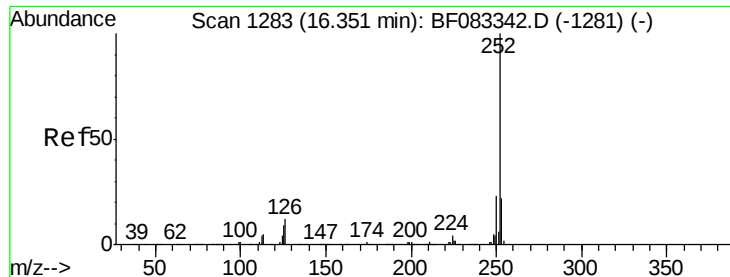


#87
Benzo(b)fluoranthene
Concen: 25.48 ng m
RT: 16.27 min Scan# 1276
Delta R.T. -0.03 min
Lab File: BF083474.D
Acq: 3 Dec 2015 22:21

Tgt Ion:252 Resp: 521664

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.4	27.6
125	13.6	9.6	14.4

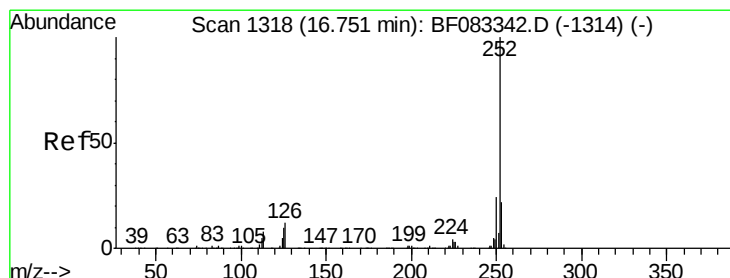
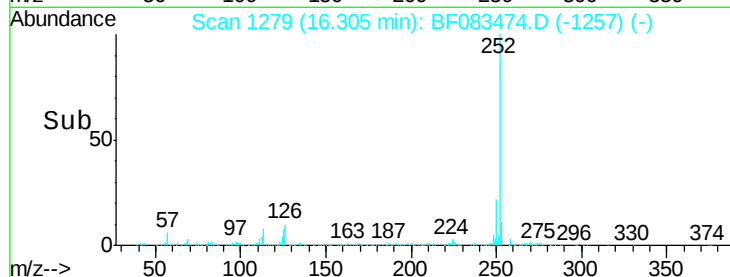
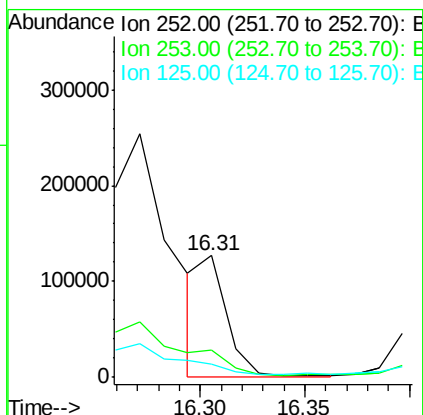
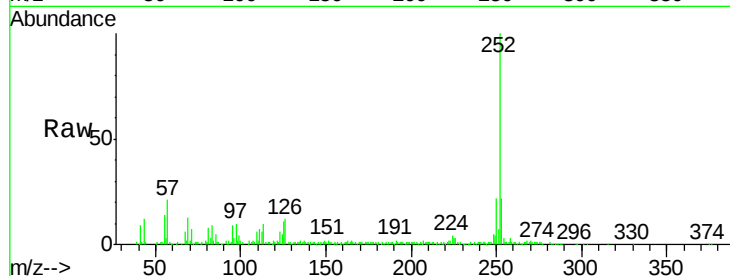




#88
Benzo(k)fluoranthene
Concen: 5.96 ng m
RT: 16.31 min Scan# 1279
Delta R.T. -0.05 min
Lab File: BF083474.D
Acq: 3 Dec 2015 22:21

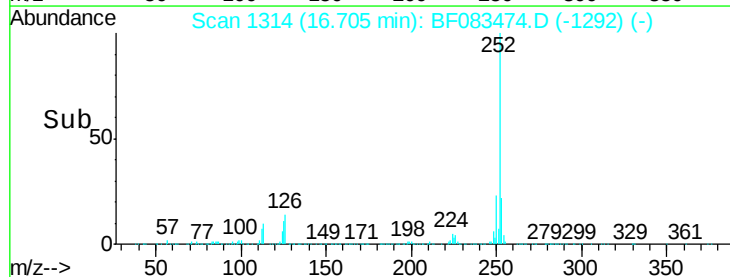
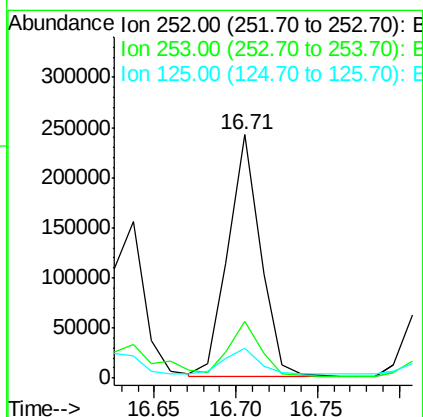
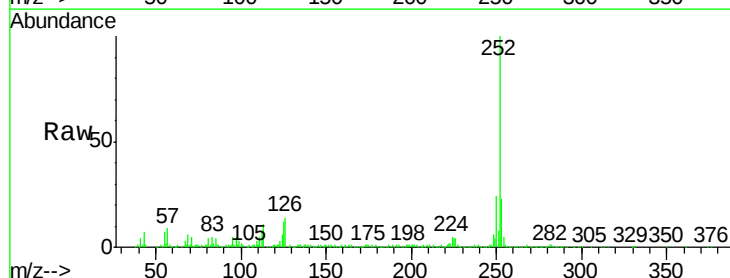
Instrument :
BNA_F
ClientSampleId :
CWC-MISC-5-20151130

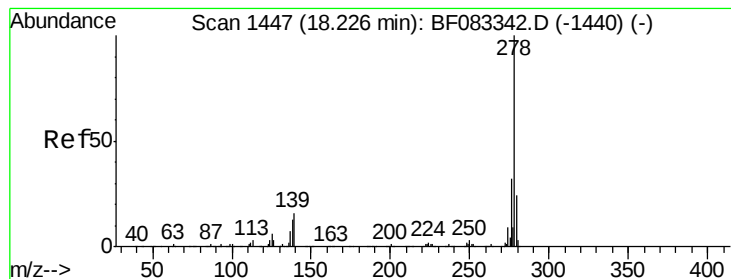
Tot Ion:252 Resp: 115252
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.0
125 10.5 7.5 11.3



#89
Benzo(a)pyrene
Concen: 19.04 ng
RT: 16.71 min Scan# 1314
Delta R.T. -0.05 min
Lab File: BF083474.D
Acq: 3 Dec 2015 22:21

Tgt Ion:252 Resp: 334893
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 12.3 7.8 11.8#





#90

Dibenzo(a,h)anthracene

Concen: 3.14 ng

RT: 18.17 min Scan# 1442

Delta R.T. -0.06 min

Lab File: BF083474.D

Acq: 3 Dec 2015 22:21

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-5-20151130

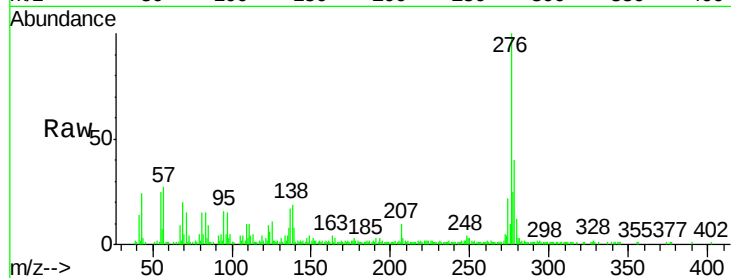
Tot Ion:278 Resp: 48175

Ion Ratio Lower Upper

278 100

139 21.0 13.1 19.7#

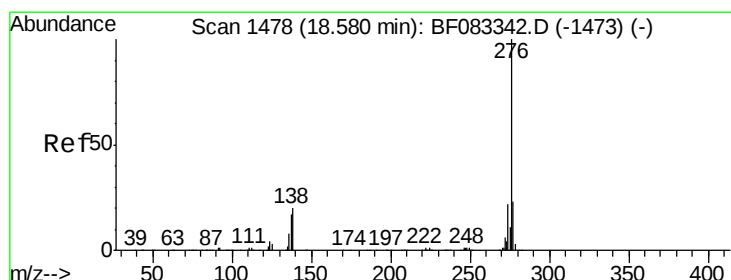
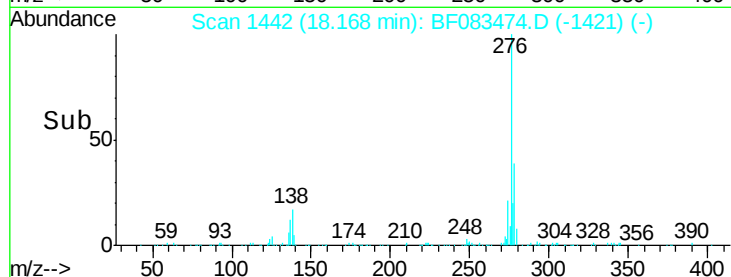
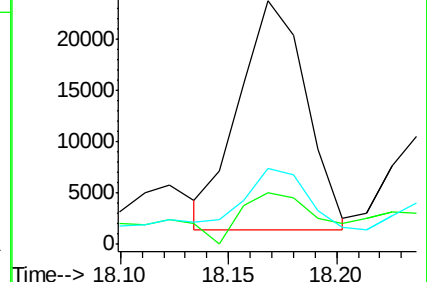
279 31.1 19.2 28.8#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 11.78 ng

RT: 18.52 min Scan# 1473

Delta R.T. -0.06 min

Lab File: BF083474.D

Acq: 3 Dec 2015 22:21

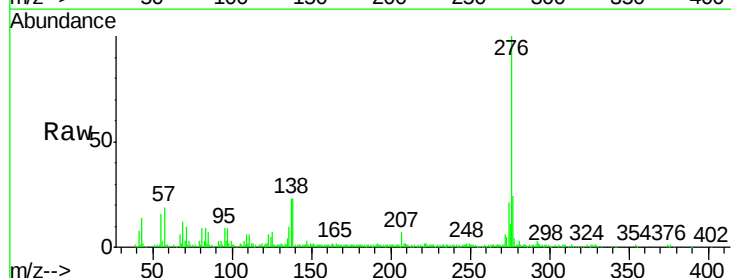
Tgt Ion:276 Resp: 177230

Ion Ratio Lower Upper

276 100

277 24.3 18.6 28.0

138 23.5 16.1 24.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

