

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120315\
 Data File : BF083472.D
 Acq On : 3 Dec 2015 21:20
 Operator : UM/IZ
 Sample : G4608-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CWC-MISC-3-20151130

Quant Time: Dec 04 01:22:20 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

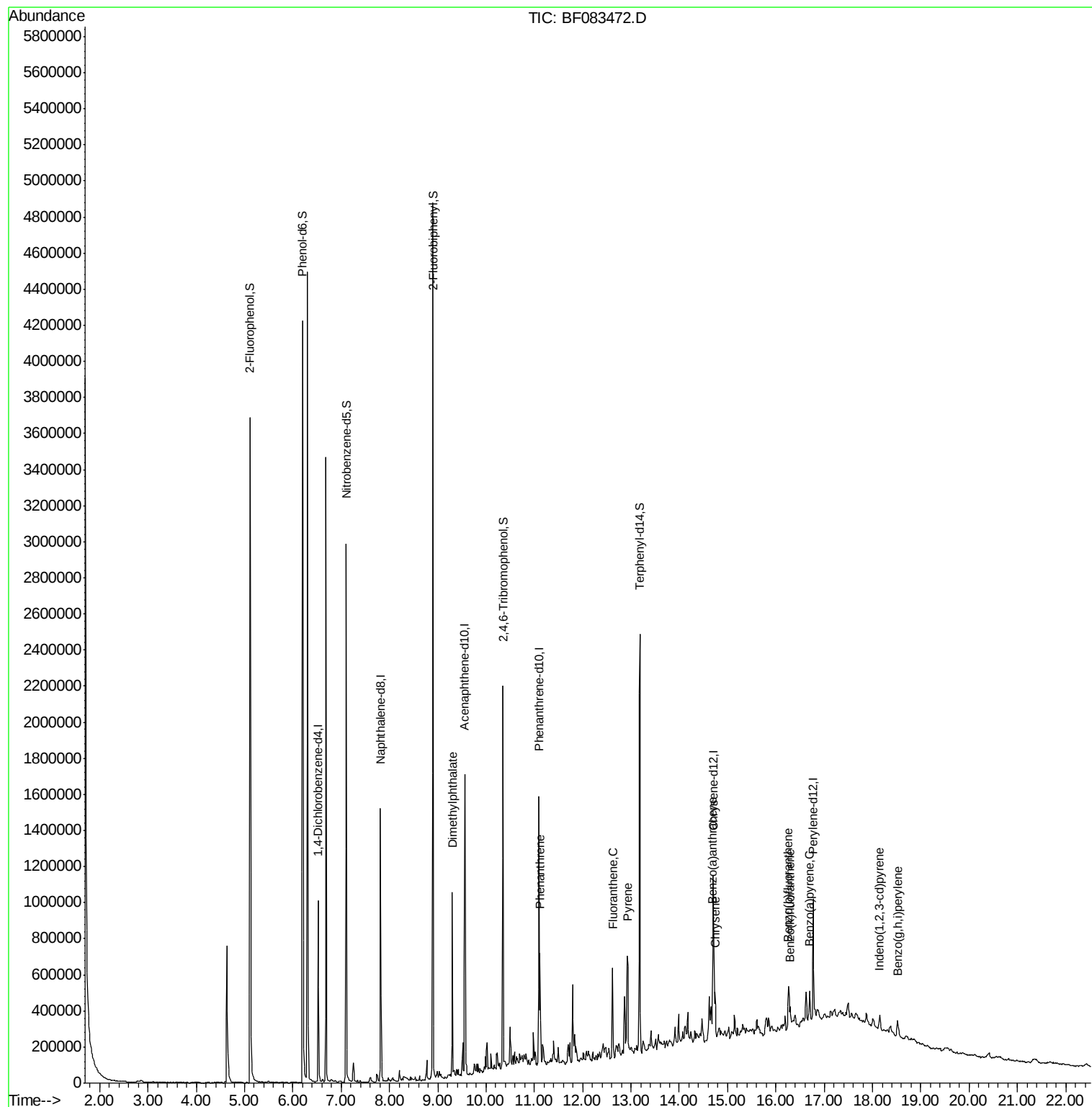
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.52	152	174987	20.00	ng	-0.02
21) Naphthalene-d8	7.81	136	667164	20.00	ng	-0.02
38) Acenaphthene-d10	9.56	164	339467	20.00	ng	-0.02
63) Phenanthrene-d10	11.09	188	588292	20.00	ng	-0.03
75) Chrysene-d12	14.71	240	402337	20.00	ng	-0.06
86) Perylene-d12	16.77	264	356426	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.12	112	1087364	93.24	ng	-0.01
7) Phenol-d6	6.20	99	1520927	95.29	ng	-0.02
23) Nitrobenzene-d5	7.10	82	1116370	73.56	ng	-0.02
41) 2,4,6-Tribromophenol	10.35	330	270301	79.32	ng	-0.03
44) 2-Fluorobiphenyl	8.90	172	1524697	64.01	ng	-0.02
78) Terphenyl-d14	13.19	244	1138477	67.48	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	9.30	163	388597	14.09	ng	98
70) Phenanthrene	11.12	178	265073	7.61	ng	99
74) Fluoranthene	12.62	202	323549	8.97	ng	91
77) Pyrene	12.93	202	310216	11.04	ng	100
80) Benzo(a)anthracene	14.69	228	129686	5.26	ng	98
82) Chrysene	14.74	228	121474	5.10	ng	99
85) Indeno(1,2,3-cd)pyrene	18.15	276	56579	3.26	ng	97
87) Benzo(b)fluoranthene	16.26	252	133059m	5.82	ng	
88) Benzo(k)fluoranthene	16.29	252	44974m	2.08	ng	
89) Benzo(a)pyrene	16.69	252	98653	5.02	ng	# 91
91) Benzo(g,h,i)perylene	18.52	276	58249	3.47	ng	93

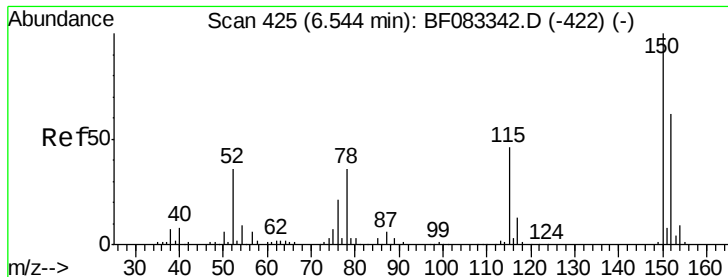
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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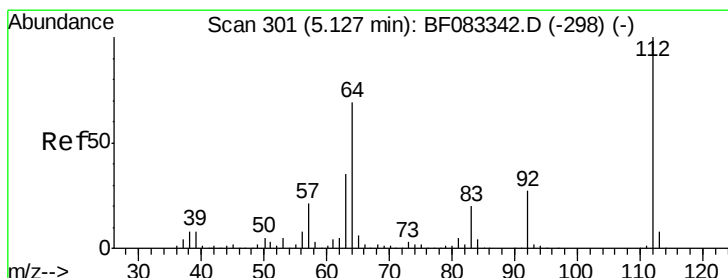
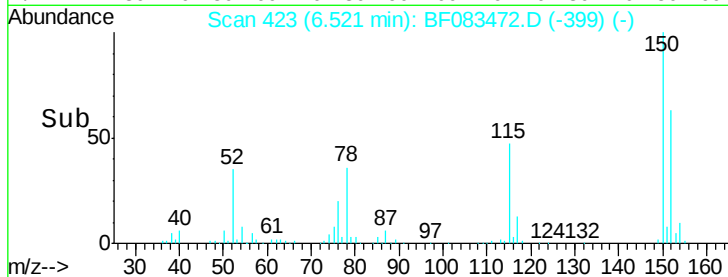
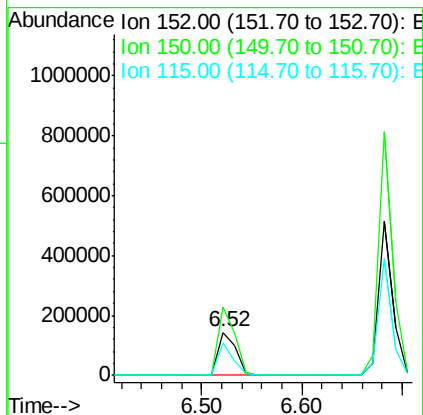
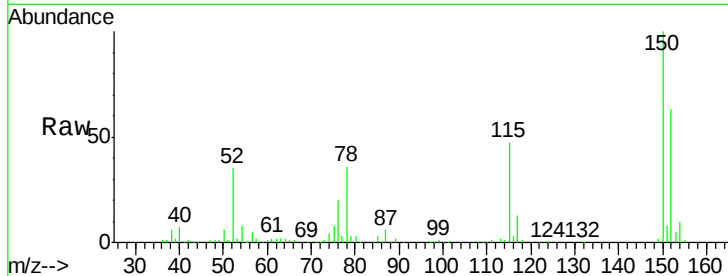


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.52 min Scan# 423
Delta R.T. -0.02 min
Lab File: BF083472.D
Acq: 3 Dec 2015 21:20

Instrument :
BNA_F
ClientSampleId :
CWC-MISC-3-20151130

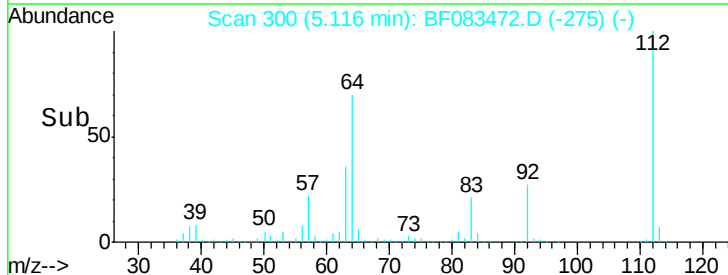
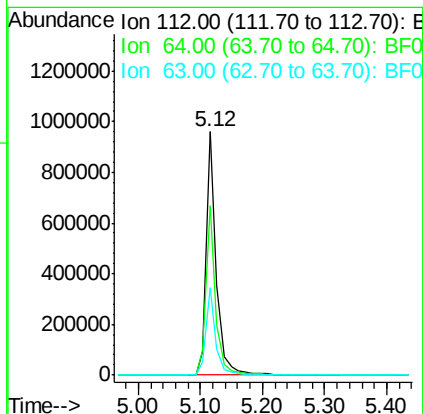
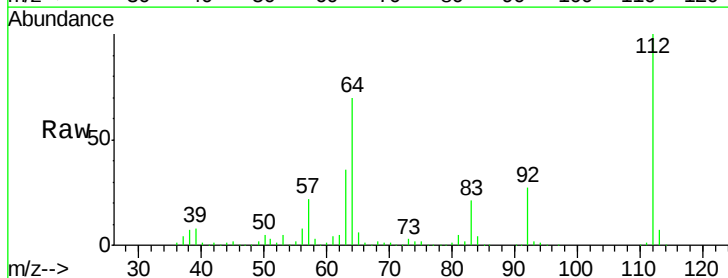
Tot Ion:152 Resp: 174987
Ion Ratio Lower Upper
152 100
150 159.4 129.8 194.8
115 74.5 59.2 88.8



#5

2-Fluorophenol
Concen: 93.24 ng
RT: 5.12 min Scan# 300
Delta R.T. -0.01 min
Lab File: BF083472.D
Acq: 3 Dec 2015 21:20

Tgt Ion:112 Resp: 1087364
Ion Ratio Lower Upper
112 100
64 69.6 55.6 83.4
63 36.0 28.2 42.2





#7

Phenol-d6

Concen: 95.29 ng

RT: 6.20 min Scan# 395

Delta R.T. -0.02 min

Lab File: BF083472.D

Acq: 3 Dec 2015 21:20

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-3-20151130

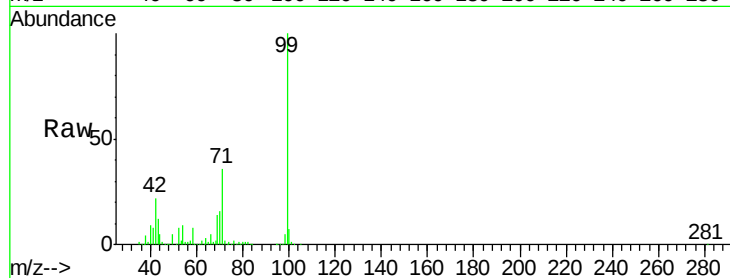
Tot Ion: 99 Resp: 1520927

Ion Ratio Lower Upper

99 100

42 22.5 14.9 22.3#

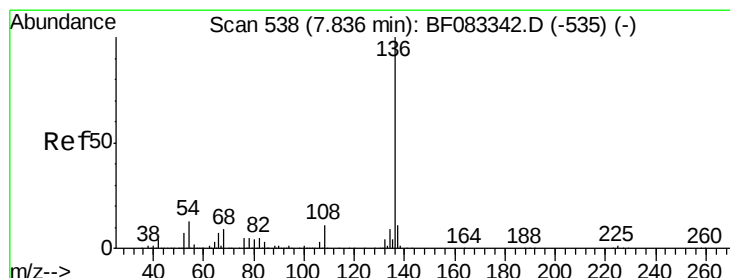
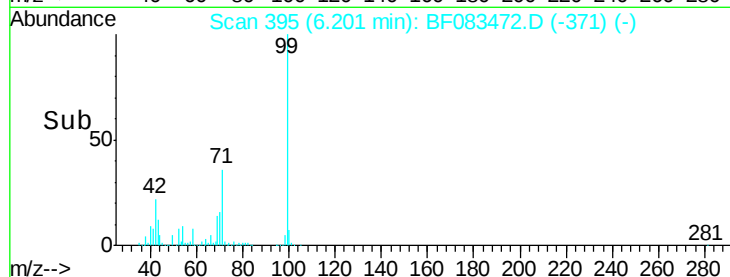
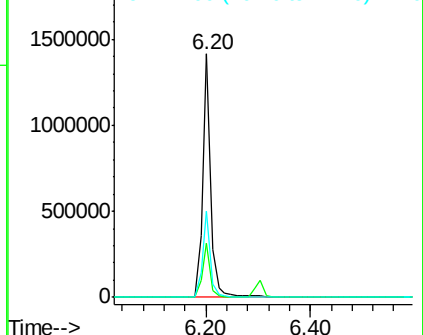
71 35.6 24.7 37.1



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: BF083472.D

Acq: 3 Dec 2015 21:20

Tgt Ion: 136 Resp: 667164

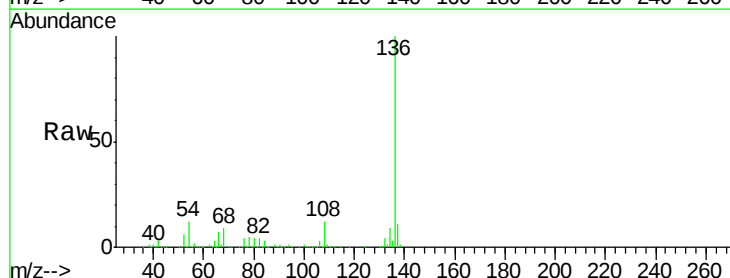
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 12.5 10.1 15.1

68 8.6 7.1 10.7

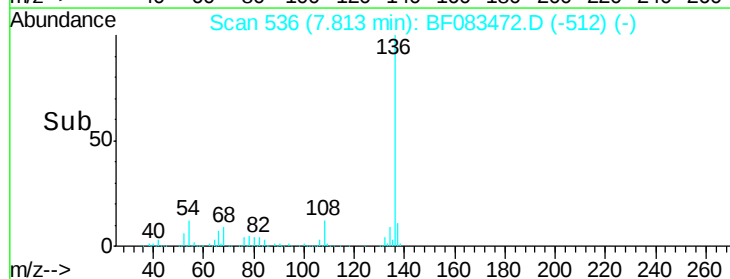
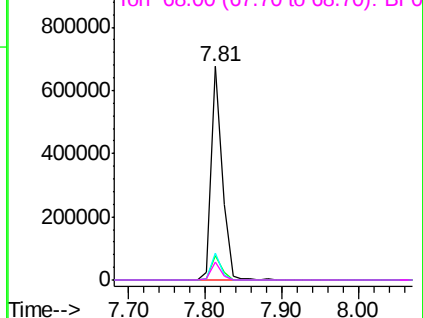


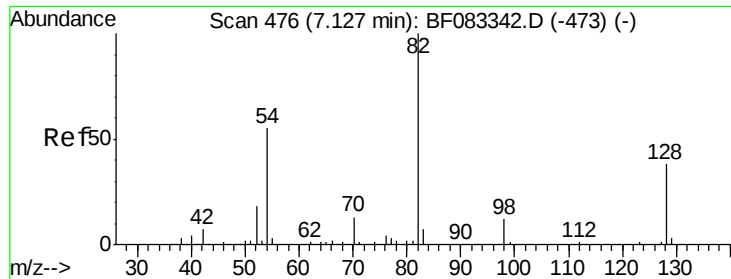
Abundance Ion 136.00 (135.70 to 136.70): E

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

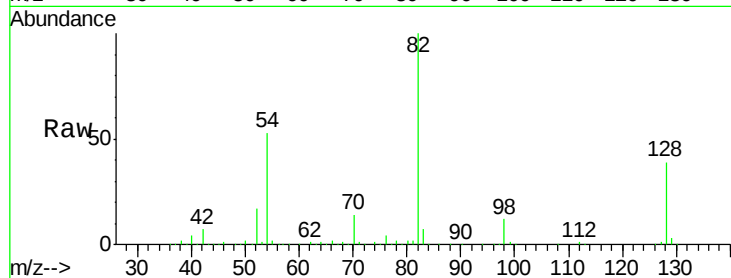




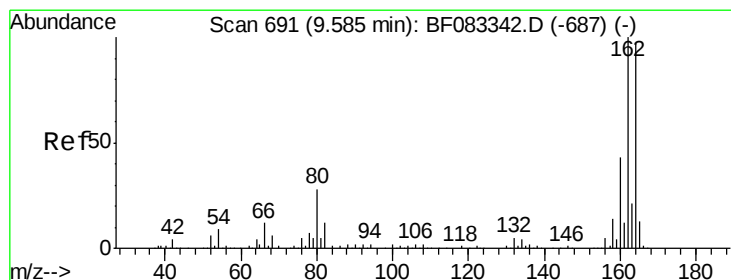
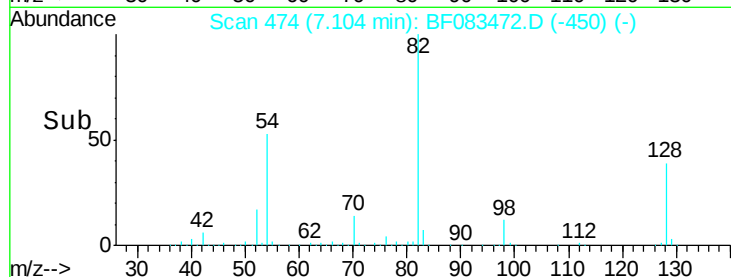
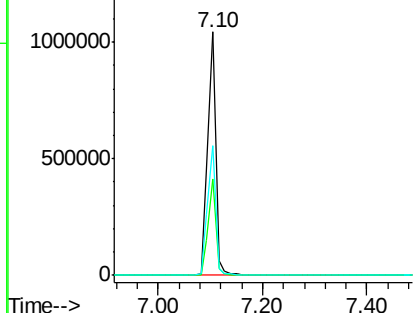
#23
 Nitrobenzene-d5
 Concen: 73.56 ng
 RT: 7.10 min Scan# 474
 Delta R.T. -0.02 min
 Lab File: BF083472.D
 Acq: 3 Dec 2015 21:20

Instrument :
 BNA_F
 ClientSampleId :
 CWC-MISC-3-20151130

Tot Ion: 82 Resp: 1116370
 Ion Ratio Lower Upper
 82 100
 128 39.5 30.6 46.0
 54 53.0 43.8 65.6

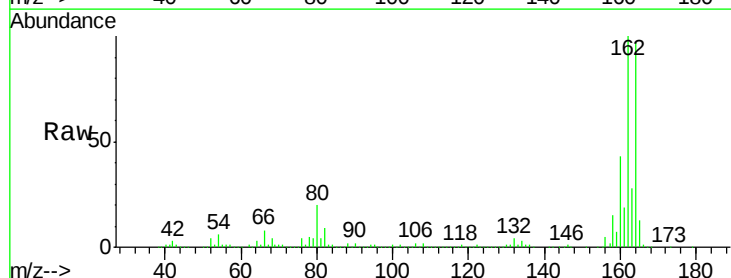


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

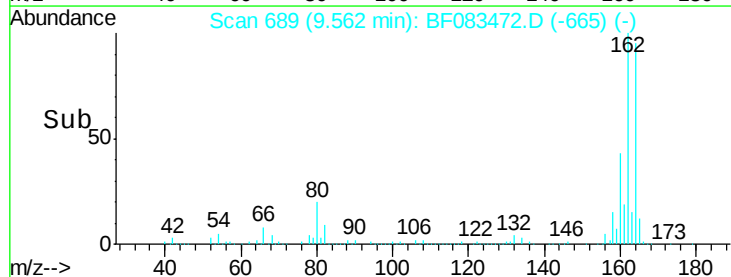
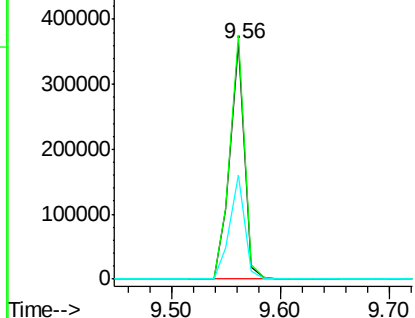


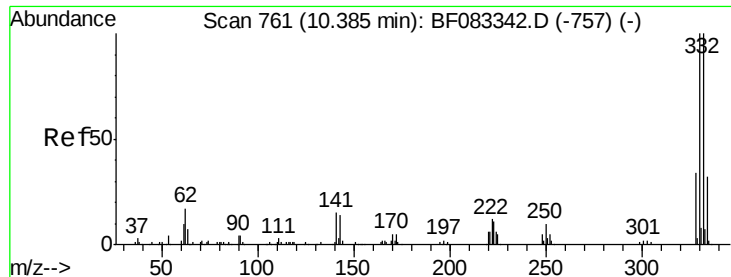
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.56 min Scan# 689
 Delta R.T. -0.02 min
 Lab File: BF083472.D
 Acq: 3 Dec 2015 21:20

Tgt Ion: 164 Resp: 339467
 Ion Ratio Lower Upper
 164 100
 162 103.3 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

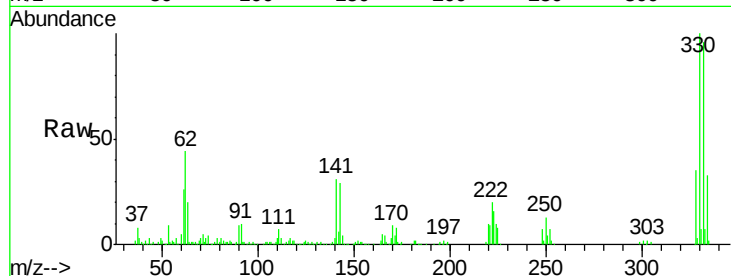




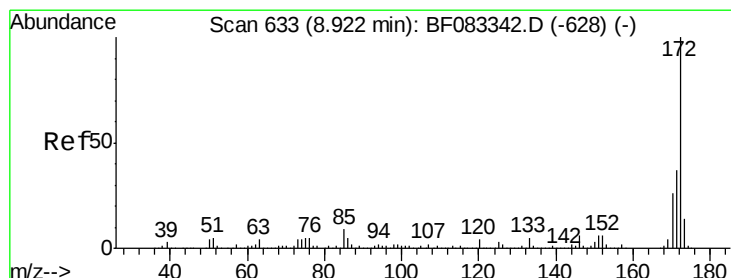
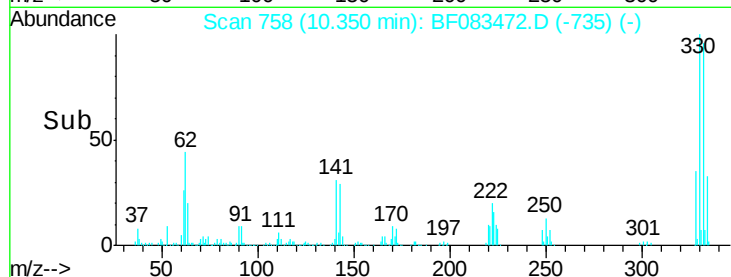
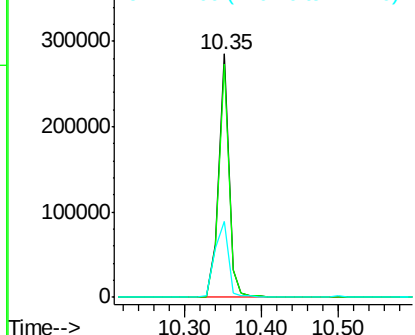
#41
 2,4,6-Tribromophenol
 Concen: 79.32 ng
 RT: 10.35 min Scan# 758
 Delta R.T. -0.03 min
 Lab File: BF083472.D
 Acq: 3 Dec 2015 21:20

Instrument :
 BNA_F
 ClientSampleId :
 CWC-MISC-3-20151130

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.8	116.6
141	39.4	29.4	44.0

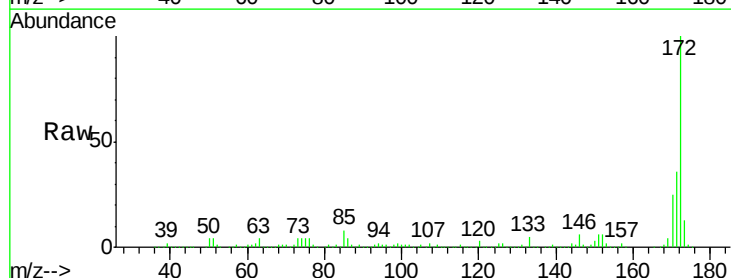


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

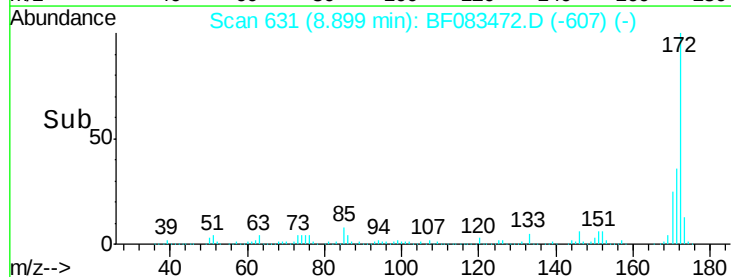
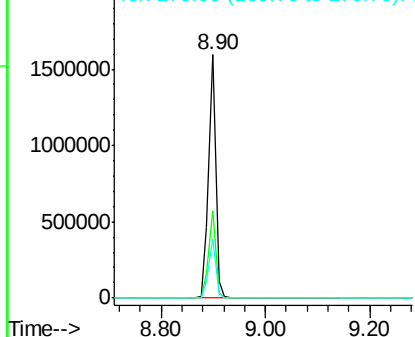


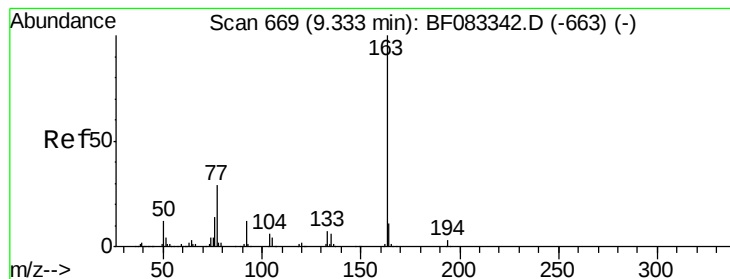
#44
 2-Fluorobiphenyl
 Concen: 64.01 ng
 RT: 8.90 min Scan# 631
 Delta R.T. -0.02 min
 Lab File: BF083472.D
 Acq: 3 Dec 2015 21:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.4	44.0
170	24.6	20.4	30.6



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 14.09 ng

RT: 9.30 min Scan# 666

Delta R.T. -0.03 min

Lab File: BF083472.D

Acq: 3 Dec 2015 21:20

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-3-20151130

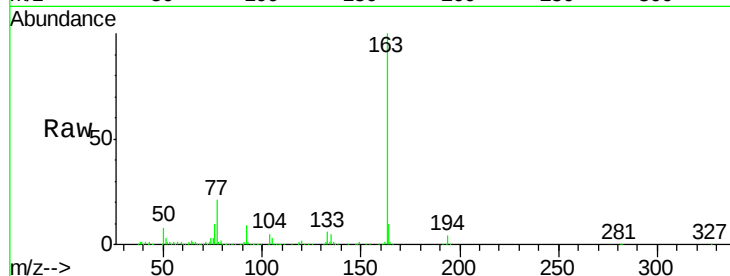
Tot Ion:163 Resp: 388597

Ion Ratio Lower Upper

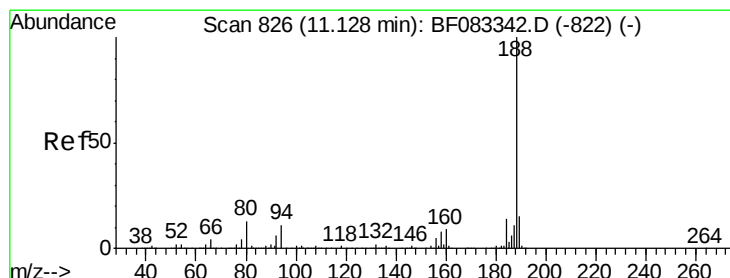
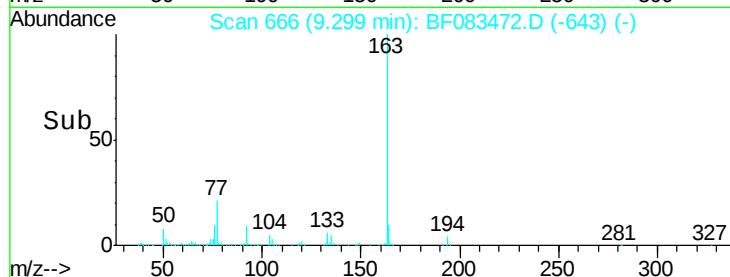
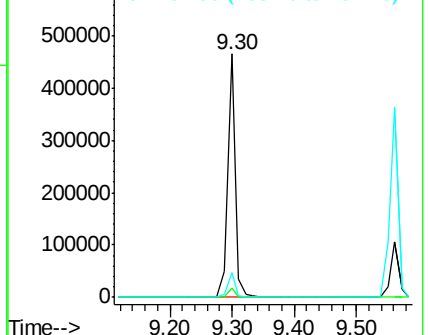
163 100

194 3.6 2.7 4.1

164 10.2 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: BF083472.D

Acq: 3 Dec 2015 21:20

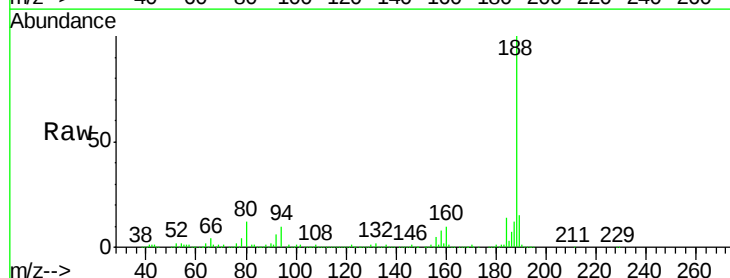
Tgt Ion:188 Resp: 588292

Ion Ratio Lower Upper

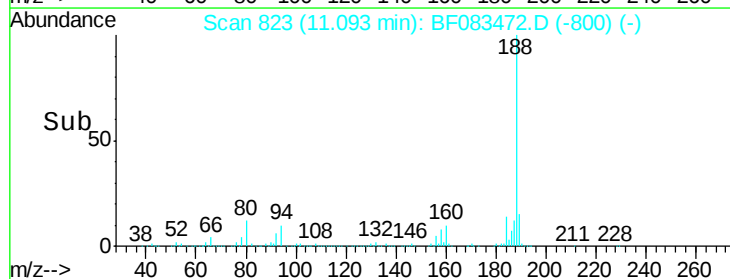
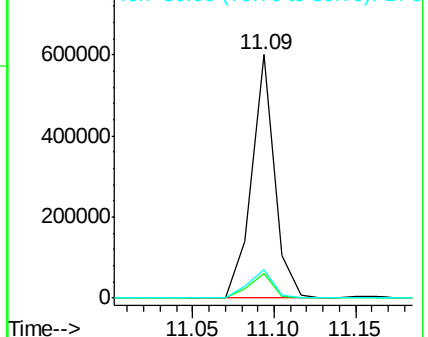
188 100

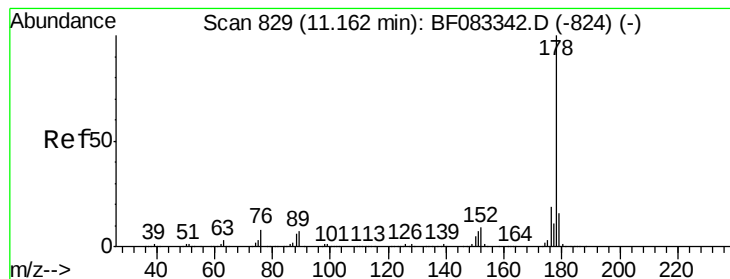
94 10.2 8.7 13.1

80 11.9 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: 7.61 ng

RT: 11.12 min Scan# 825

Delta R.T. -0.05 min

Lab File: BF083472.D

Acq: 3 Dec 2015 21:20

Instrument :

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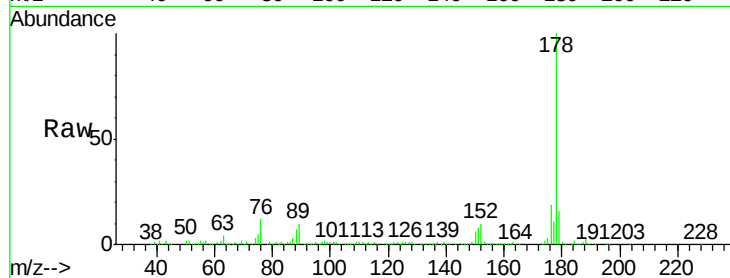
Tot Ion:178 Resp: 265073

Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

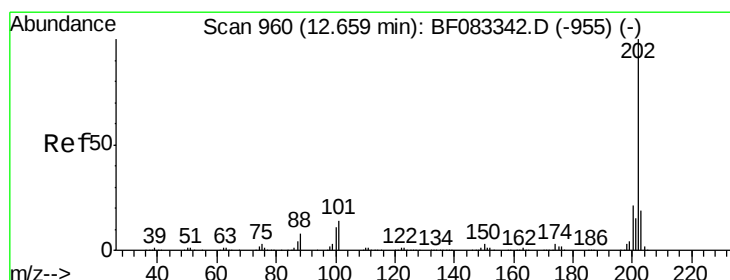
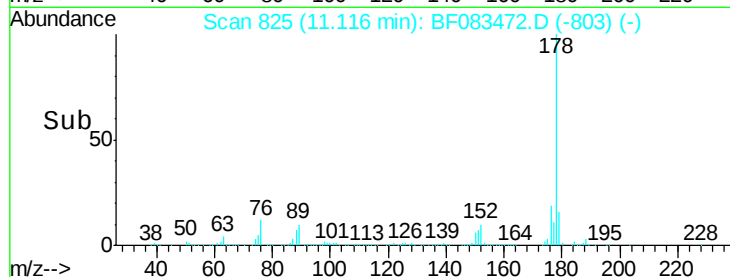
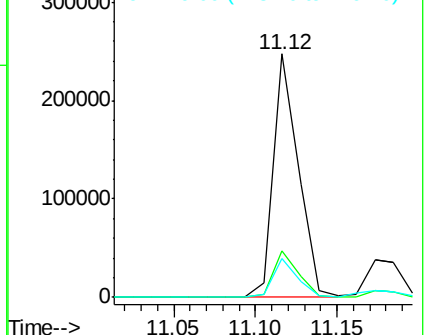
179 16.1 12.4 18.6



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



#74

Fluoranthene

Concen: 8.97 ng

RT: 12.62 min Scan# 957

Delta R.T. -0.03 min

Lab File: BF083472.D

Acq: 3 Dec 2015 21:20

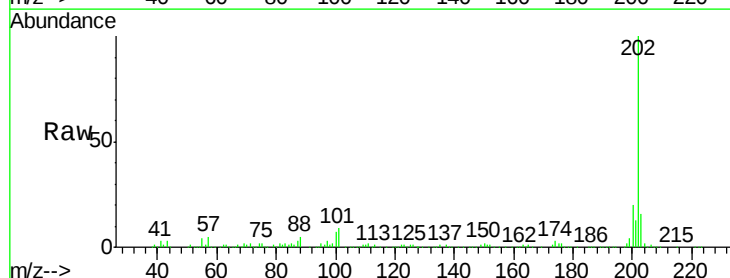
Tgt Ion:202 Resp: 323549

Ion Ratio Lower Upper

202 100

101 9.2 0.0 34.5

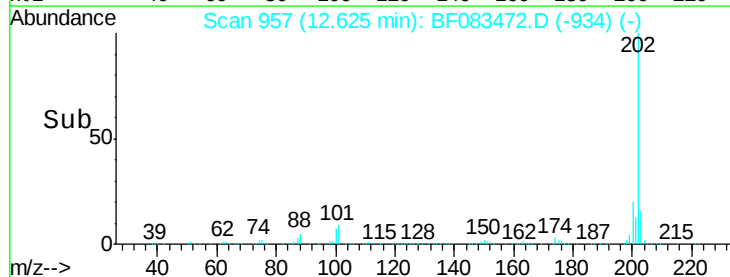
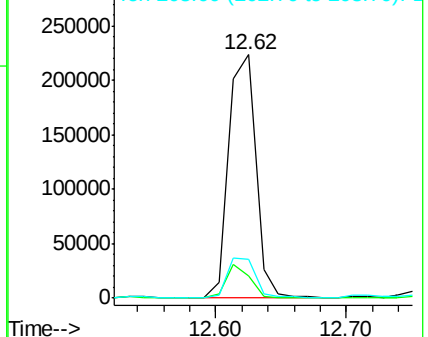
203 16.1 0.0 38.7

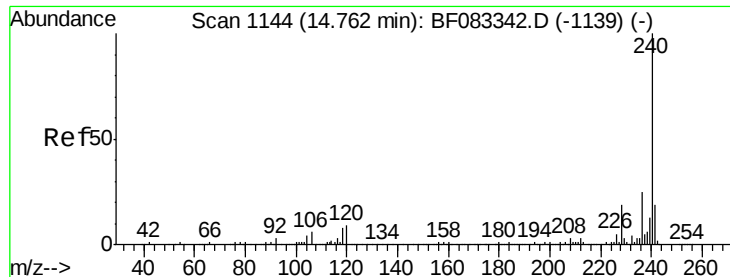


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.71 min Scan# 1139

Delta R.T. -0.06 min

Lab File: BF083472.D

Acq: 3 Dec 2015 21:20

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-3-20151130

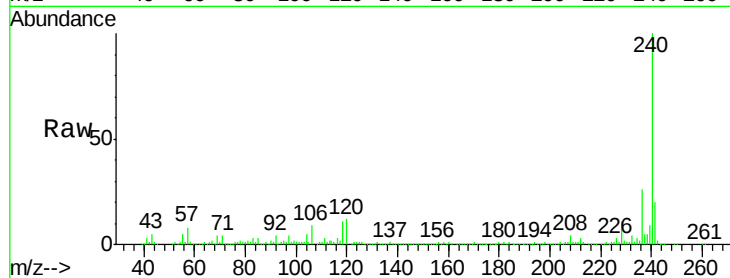
Tot Ion:240 Resp: 402337

Ion Ratio Lower Upper

240 100

120 11.7 6.9 10.3#

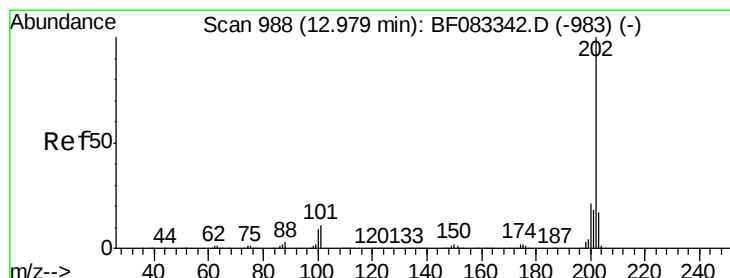
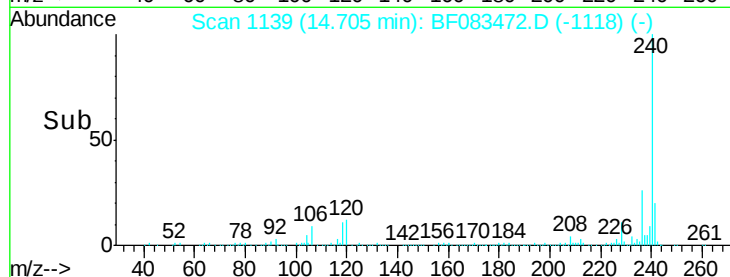
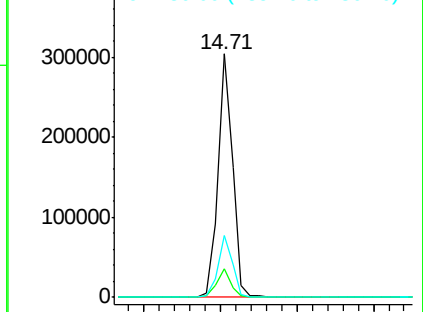
236 25.7 19.8 29.6



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: 11.04 ng

RT: 12.93 min Scan# 984

Delta R.T. -0.05 min

Lab File: BF083472.D

Acq: 3 Dec 2015 21:20

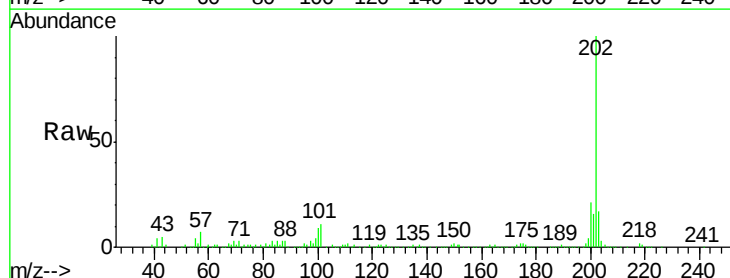
Tgt Ion:202 Resp: 310216

Ion Ratio Lower Upper

202 100

200 20.9 16.9 25.3

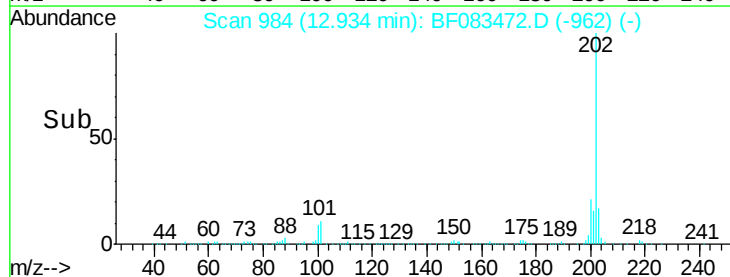
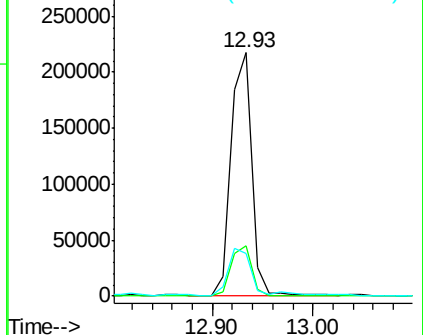
203 17.3 13.9 20.9

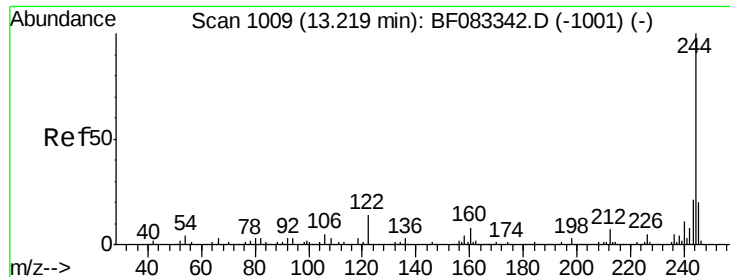


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

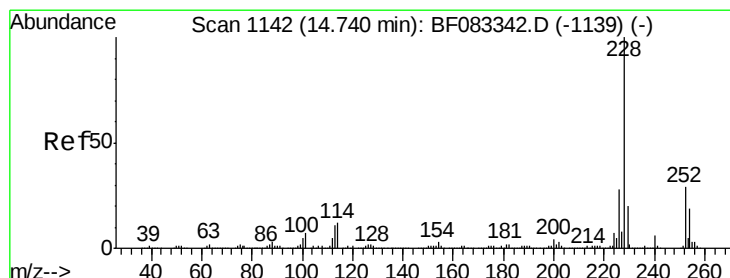
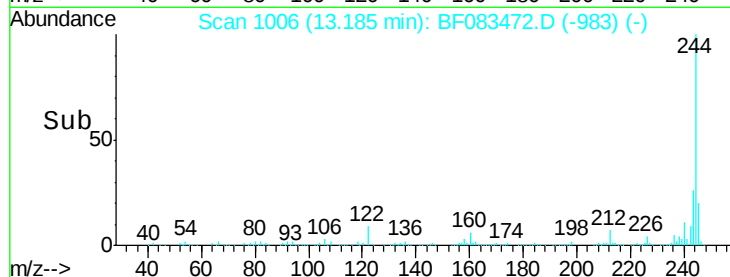
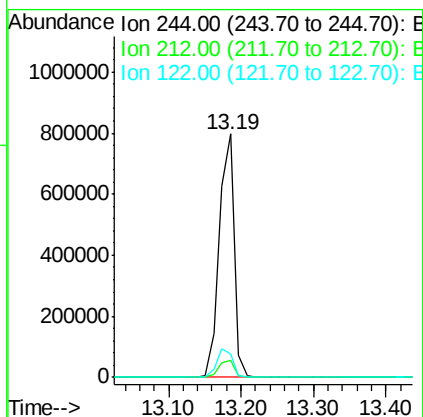
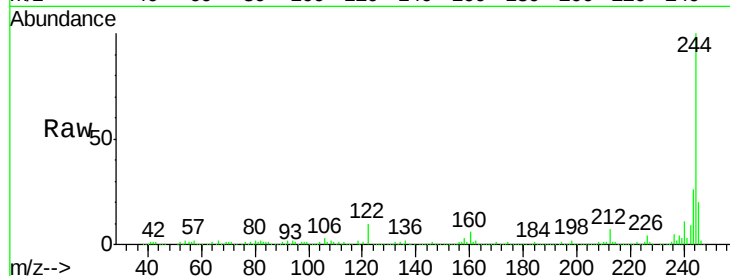




#78
 Terphenyl-d14
 Concen: 67.48 ng
 RT: 13.19 min Scan# 1006
 Delta R.T. -0.03 min
 Lab File: BF083472.D
 Acq: 3 Dec 2015 21:20

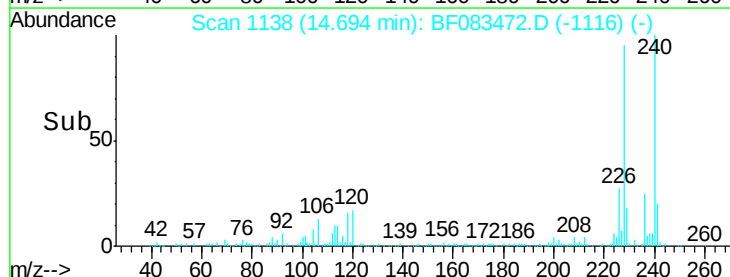
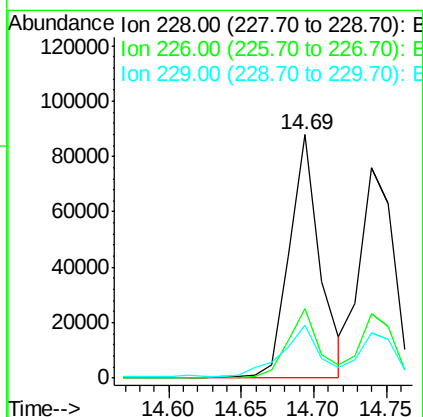
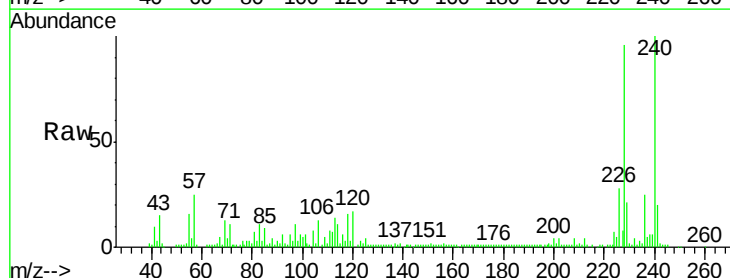
Instrument :
 BNA_F
 ClientSampleId :
 CWC-MISC-3-20151130

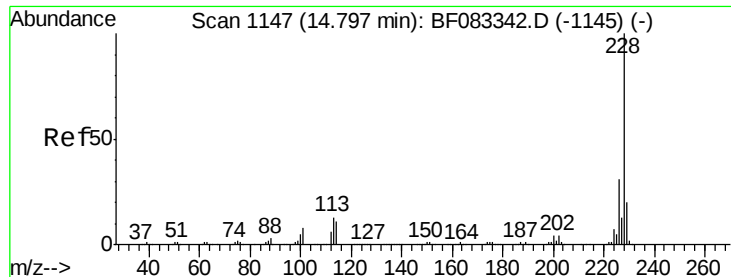
Tot Ion:244 Resp: 1138477
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.8
 122 9.5 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 5.26 ng
 RT: 14.69 min Scan# 1138
 Delta R.T. -0.05 min
 Lab File: BF083472.D
 Acq: 3 Dec 2015 21:20

Tgt Ion:228 Resp: 129686
 Ion Ratio Lower Upper
 228 100
 226 28.7 22.2 33.4
 229 21.6 16.1 24.1





#82

Chrysene

Concen: 5.10 ng

RT: 14.74 min Scan# 1142

Delta R.T. -0.06 min

Lab File: BF083472.D

Acq: 3 Dec 2015 21:20

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-3-20151130

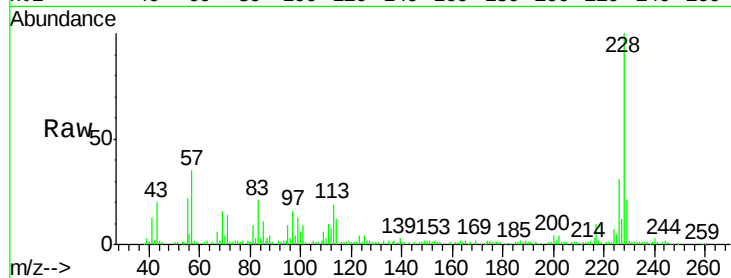
Tot Ion:228 Resp: 121474

Ion Ratio Lower Upper

228 100

226 30.6 24.6 37.0

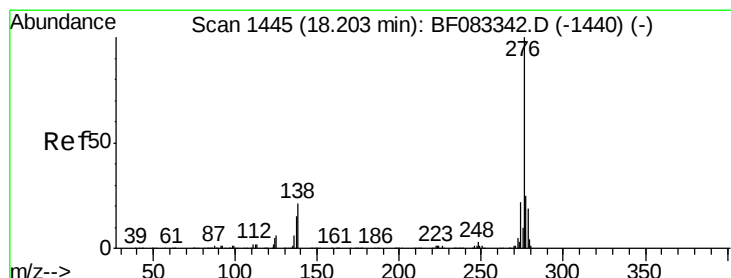
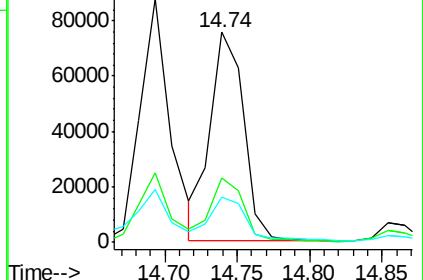
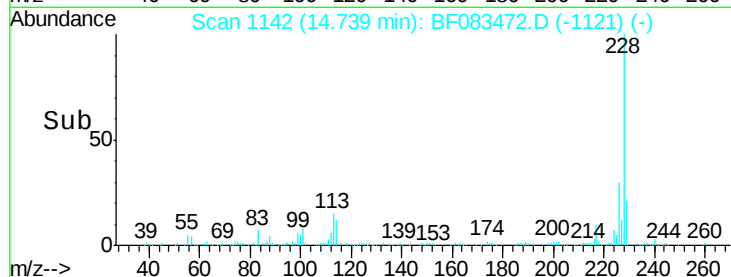
229 21.5 16.2 24.2



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: 3.26 ng

RT: 18.15 min Scan# 1440

Delta R.T. -0.06 min

Lab File: BF083472.D

Acq: 3 Dec 2015 21:20

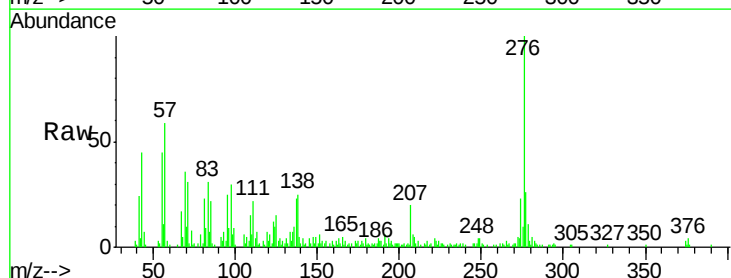
Tgt Ion:276 Resp: 56579

Ion Ratio Lower Upper

276 100

138 24.5 21.2 31.8

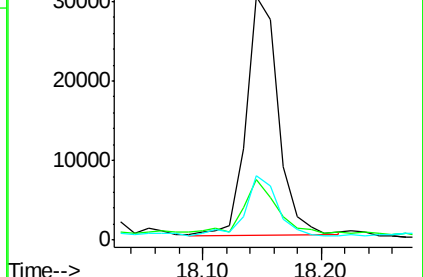
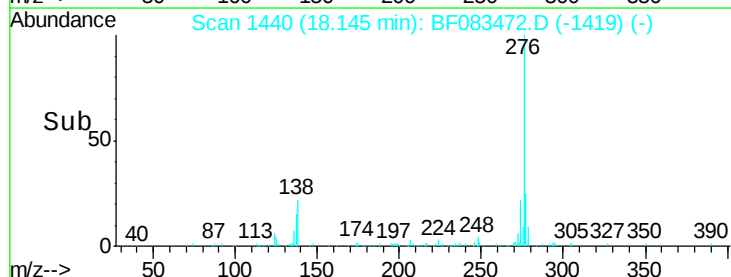
277 26.0 20.0 30.0

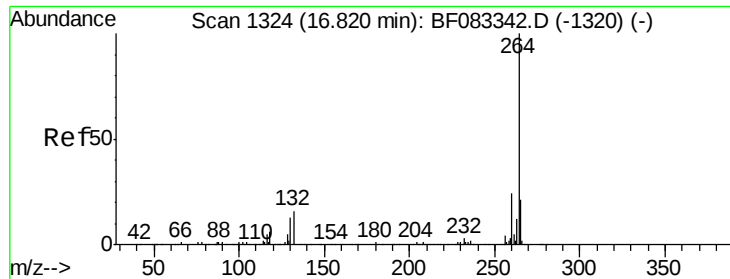


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



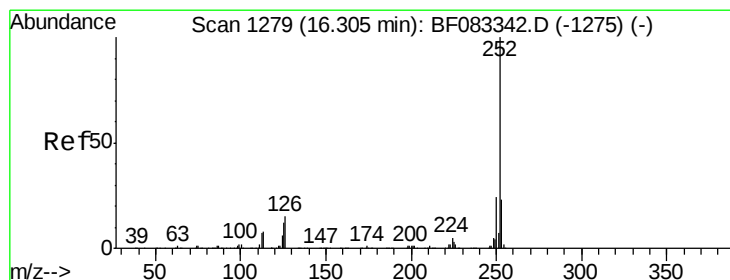
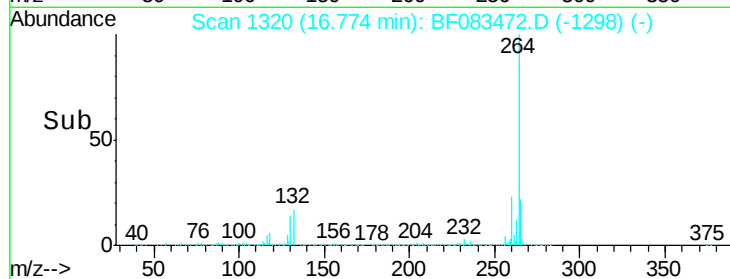
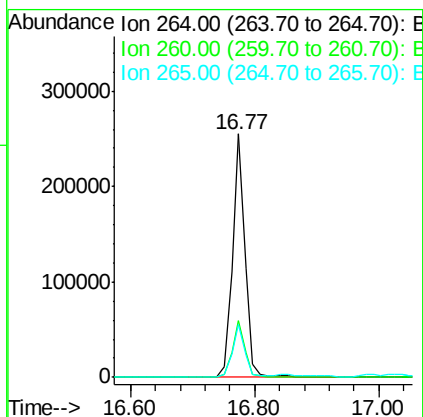
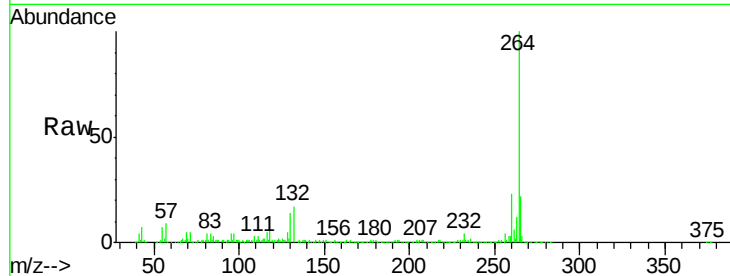


#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.77 min Scan# 1320
Delta R.T. -0.05 min
Lab File: BF083472.D
Acq: 3 Dec 2015 21:20

Instrument :
BNA_F
ClientSampleId :
CWC-MISC-3-20151130

Tot Ion:264 Resp: 356426

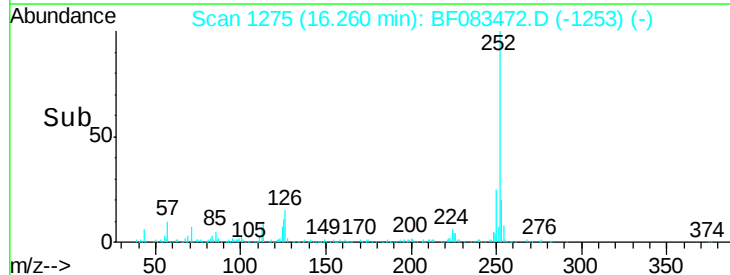
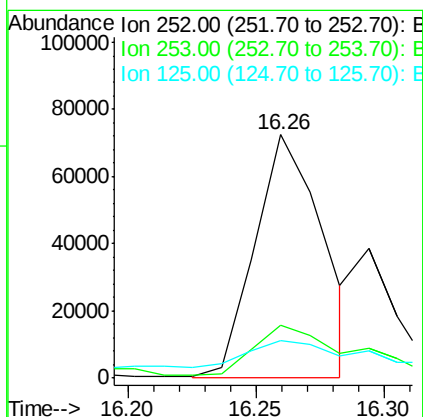
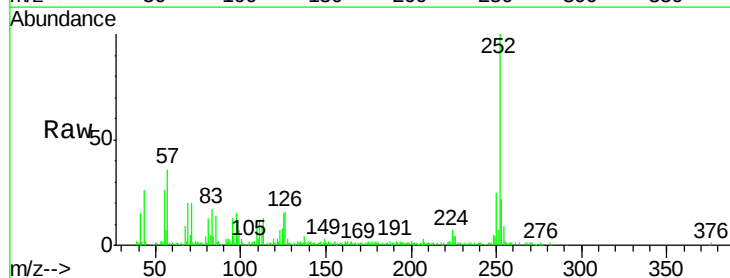
Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.0	28.4
265	21.6	16.8	25.2

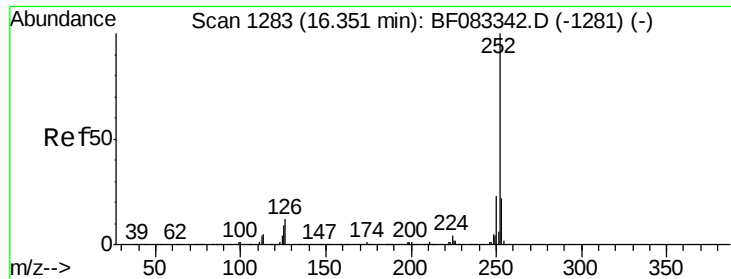


#87
Benzo(b)fluoranthene
Concen: 5.82 ng m
RT: 16.26 min Scan# 1275
Delta R.T. -0.05 min
Lab File: BF083472.D
Acq: 3 Dec 2015 21:20

Tgt Ion:252 Resp: 133059

Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.4	27.6
125	15.4	9.6	14.4#

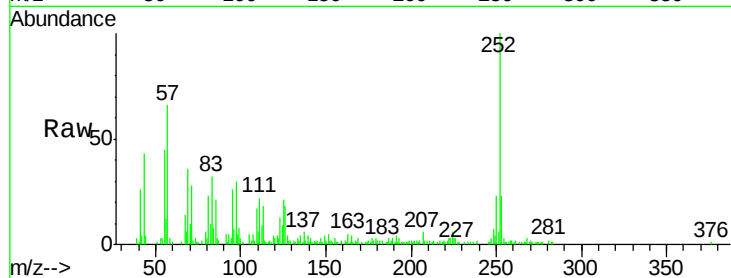




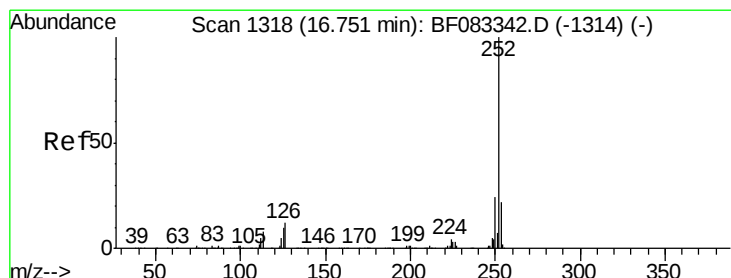
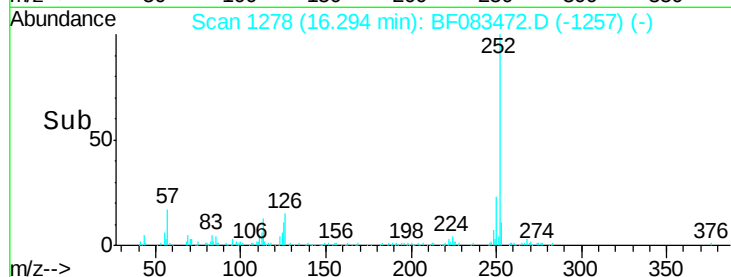
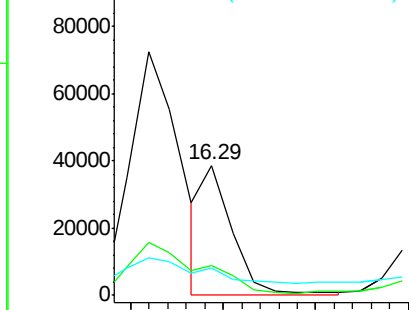
#88
Benzo(k)fluoranthene
Concen: 2.08 ng m
RT: 16.29 min Scan# 1278
Delta R.T. -0.06 min
Lab File: BF083472.D
Acq: 3 Dec 2015 21:20

Instrument :
BNA_F
ClientSampleId :
CWC-MISC-3-20151130

Tot Ion:252 Resp: 44974
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 20.7 7.5 11.3#

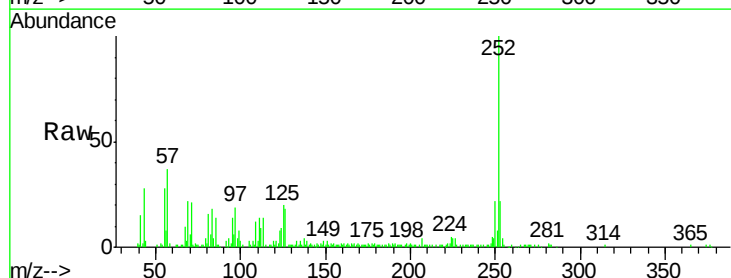


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

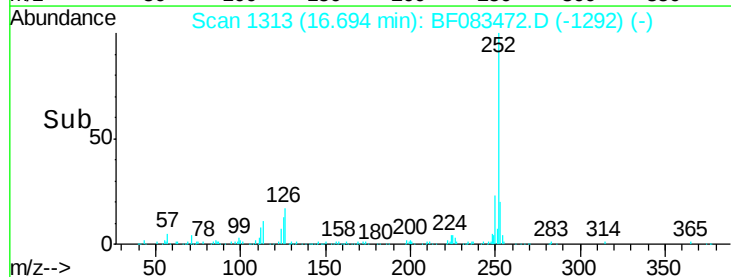
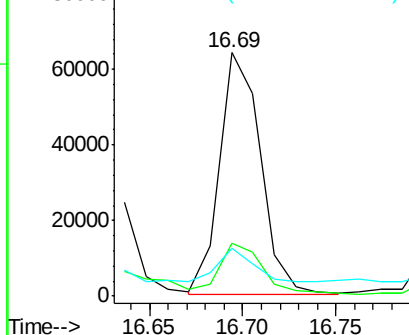


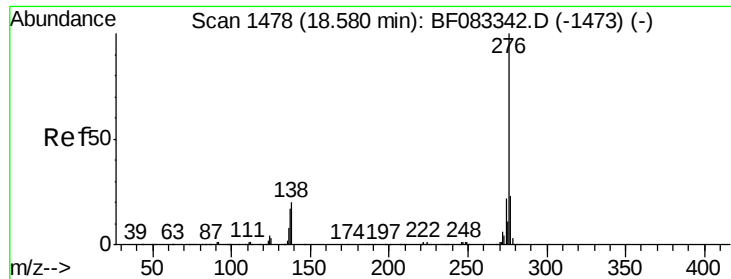
#89
Benzo(a)pyrene
Concen: 5.02 ng
RT: 16.69 min Scan# 1313
Delta R.T. -0.06 min
Lab File: BF083472.D
Acq: 3 Dec 2015 21:20

Tgt Ion:252 Resp: 98653
Ion Ratio Lower Upper
252 100
253 21.6 17.5 26.3
125 19.5 7.8 11.8#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 3.47 ng

RT: 18.52 min Scan# 1473

Delta R.T. -0.06 min

Lab File: BF083472.D

Acq: 3 Dec 2015 21:20

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-3-20151130

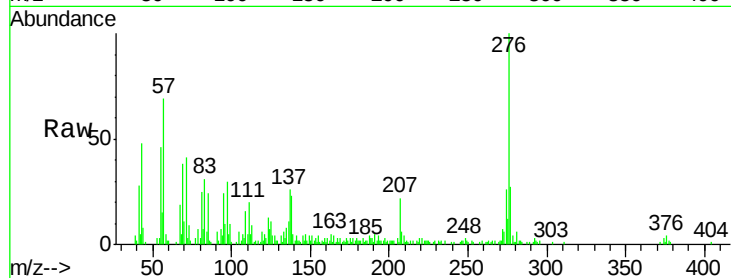
Tot Ion: 276 Resp: 58249

Ion Ratio Lower Upper

276 100

277 27.0 18.6 28.0

138 22.6 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

