

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120915\
 Data File : BF083648.D
 Acq On : 9 Dec 2015 19:32
 Operator : UM/IZ
 Sample : G4697-02 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CWC-MISC-9-20151207

Quant Time: Dec 10 00:38:29 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 09 00:23:35 2015
 Response via : Initial Calibration

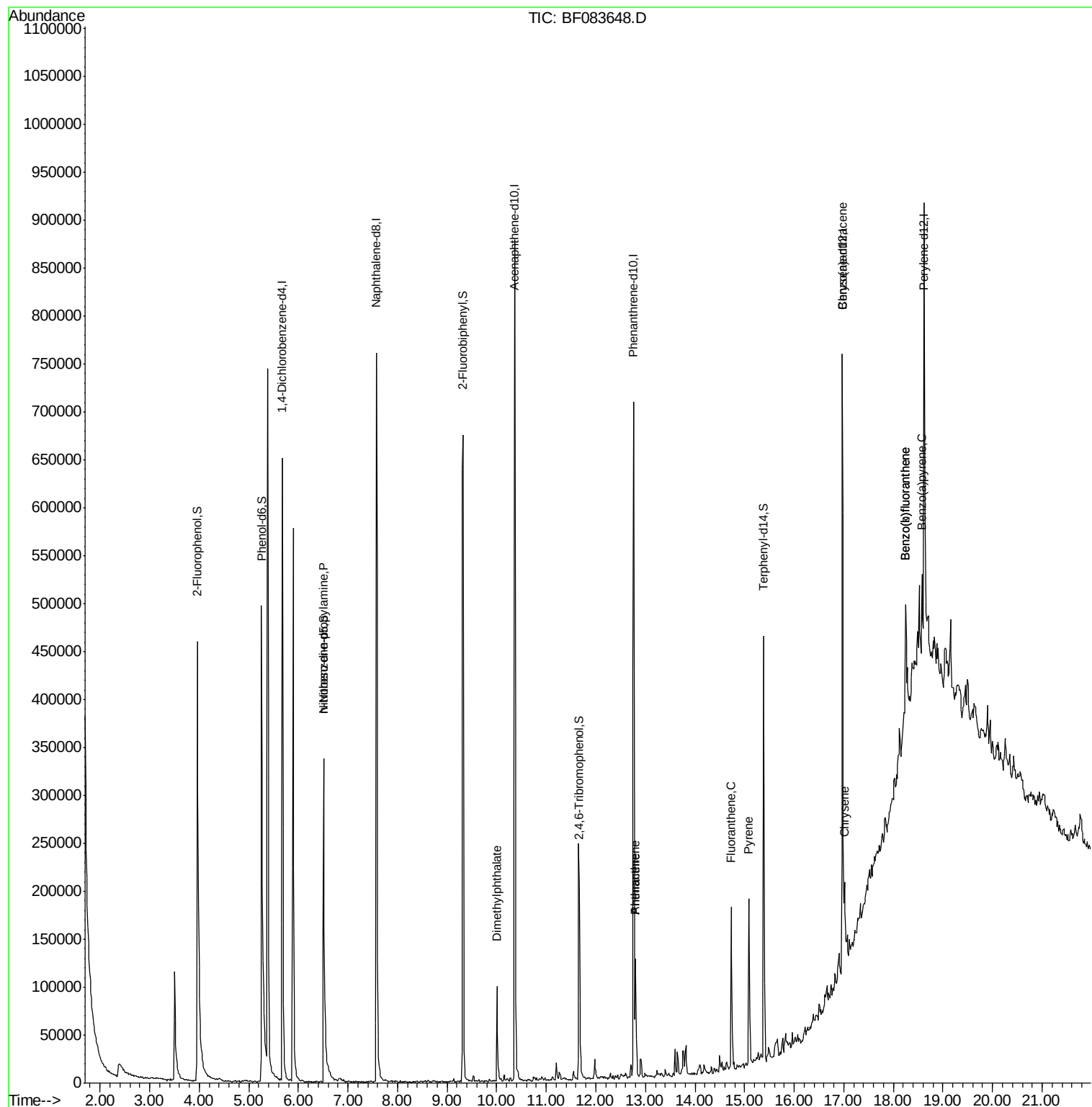
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.68	152	137435	20.00	ng	-0.02
21) Naphthalene-d8	7.57	136	531260	20.00	ng	-0.03
38) Acenaphthene-d10	10.36	164	244684	20.00	ng	-0.02
63) Phenanthrene-d10	12.76	188	386486	20.00	ng	-0.02
75) Chrysene-d12	16.97	240	303990	20.00	ng	-0.02
86) Perylene-d12	18.61	264	271569	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	3.96	112	282277	31.15	ng	-0.01
7) Phenol-d6	5.25	99	398696	32.93	ng	-0.02
23) Nitrobenzene-d5	6.51	82	245014	21.52	ng	-0.02
41) 2,4,6-Tribromophenol	11.67	330	50235	23.04	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	369552	21.26	ng	-0.02
78) Terphenyl-d14	15.38	244	223701	17.31	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.51	70	27254	3.22	ng	Qvalue # 85
49) Dimethylphthalate	10.01	163	62335	3.20	ng	98
70) Phenanthrene	12.80	178	90544	4.08	ng	98
71) Anthracene	12.80	178	90544	3.94	ng	100
74) Fluoranthene	14.73	202	116475	5.13	ng	97
77) Pyrene	15.08	202	113003	5.16	ng	# 95
80) Benzo(a)anthracene	16.97	228	54763	3.08	ng	92
82) Chrysene	17.01	228	52522	2.94	ng	98
87) Benzo(b)fluoranthene	18.25	252	78008	5.04	ng	# 86
88) Benzo(k)fluoranthene	18.25	252	78008	4.58	ng	# 90
89) Benzo(a)pyrene	18.58	252	40111	2.66	ng	# 91

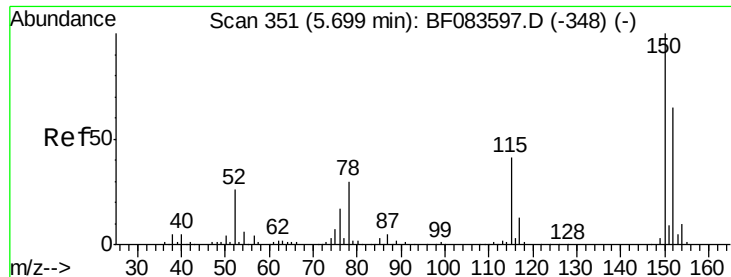
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.68 min Scan# 349

Delta R.T. -0.02 min

Lab File: BF083648.D

Acq: 9 Dec 2015 19:32

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-9-20151207

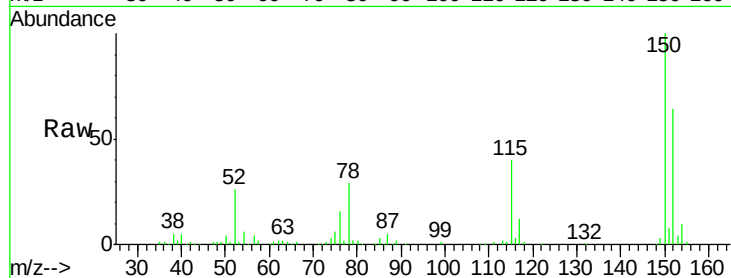
Tgt Ion:152 Resp: 137435

Ion Ratio Lower Upper

152 100

150 156.8 126.5 189.7

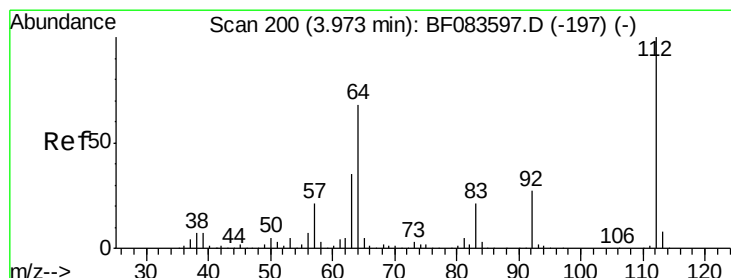
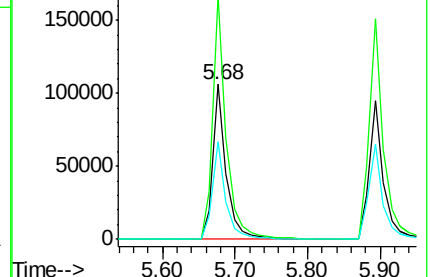
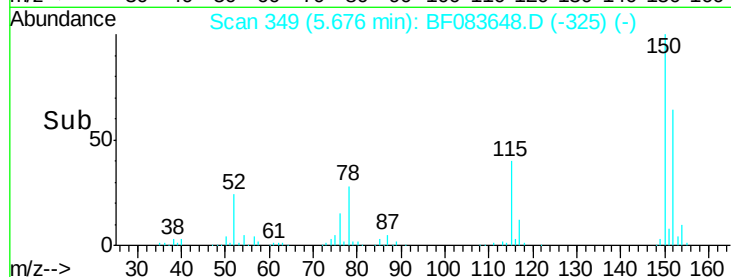
115 62.6 52.3 78.5



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: 31.15 ng

RT: 3.96 min Scan# 199

Delta R.T. -0.01 min

Lab File: BF083648.D

Acq: 9 Dec 2015 19:32

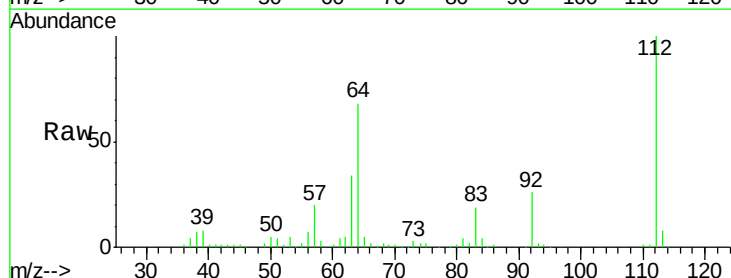
Tgt Ion:112 Resp: 282277

Ion Ratio Lower Upper

112 100

64 67.6 50.5 75.7

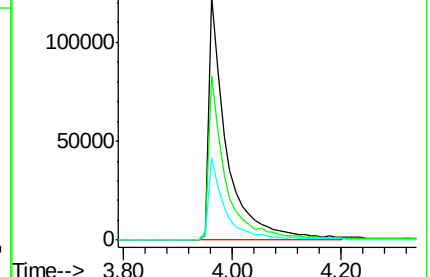
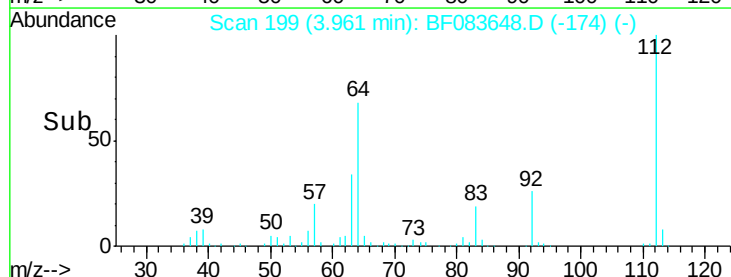
63 33.6 25.8 38.6

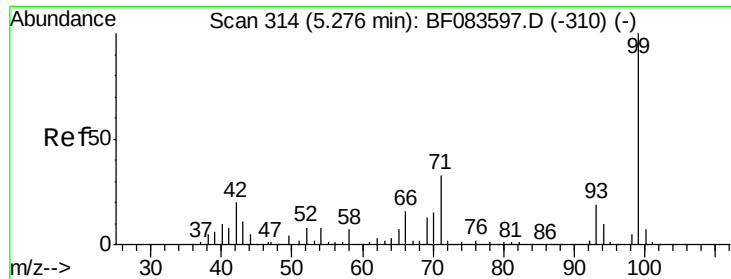


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 32.93 ng

RT: 5.25 min Scan# 312

Delta R.T. -0.02 min

Lab File: BF083648.D

Acq: 9 Dec 2015 19:32

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-9-20151207

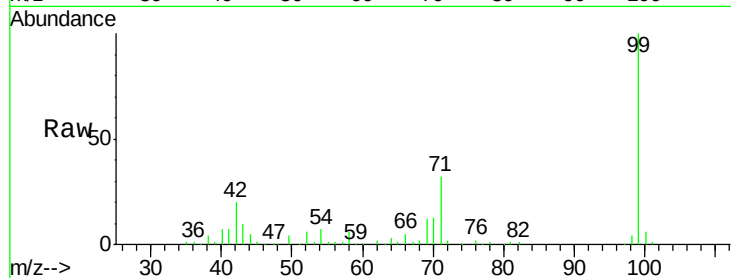
Tgt Ion: 99 Resp: 398696

Ion Ratio Lower Upper

99 100

42 19.9 17.3 25.9

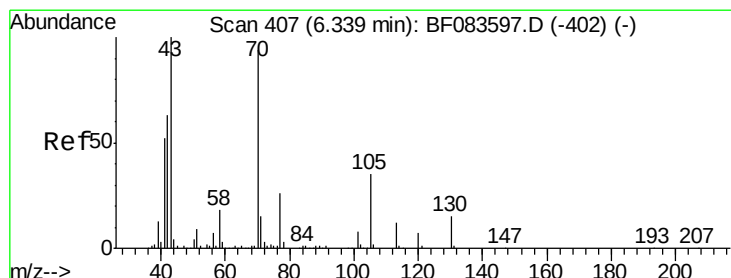
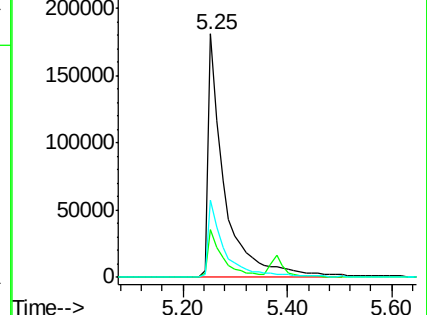
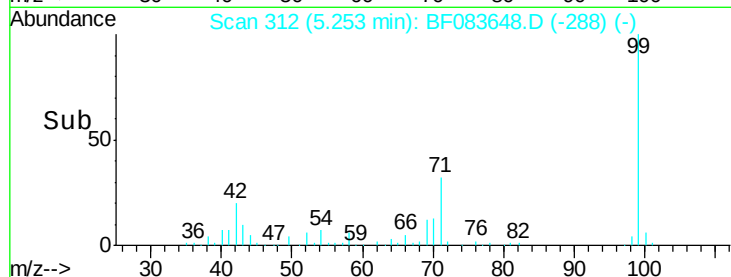
71 31.7 26.6 40.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 3.22 ng

RT: 6.51 min Scan# 422

Delta R.T. 0.17 min

Lab File: BF083648.D

Acq: 9 Dec 2015 19:32

Tgt Ion: 70 Resp: 27254

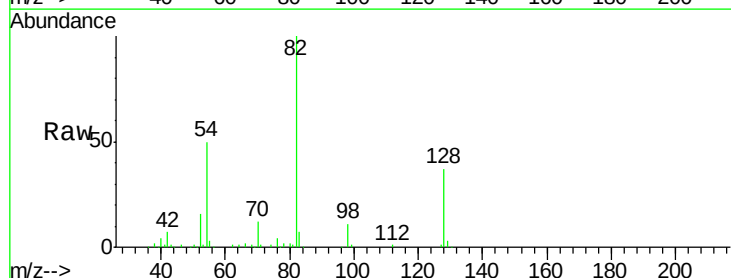
Ion Ratio Lower Upper

70 100

42 55.9 49.2 73.8

101 0.0 7.1 10.7#

130 2.2 15.4 23.0#

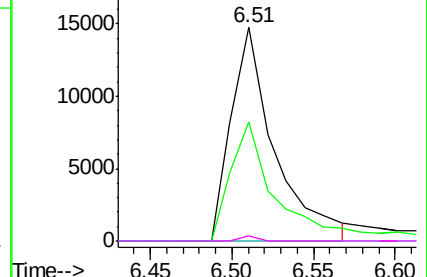
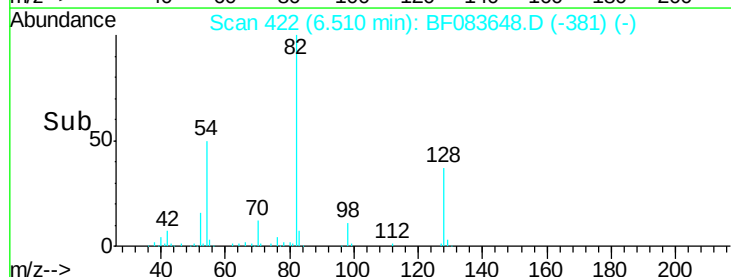


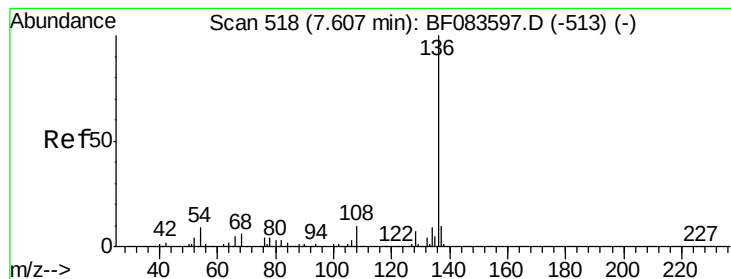
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.57 min Scan# 515

Delta R.T. -0.03 min

Lab File: BF083648.D

Acq: 9 Dec 2015 19:32

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-9-20151207

Tgt Ion:136 Resp: 531260

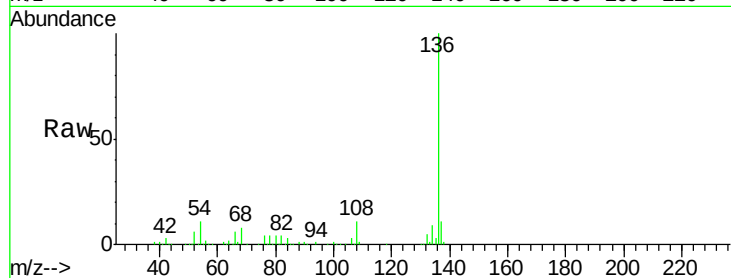
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 11.2 7.8 11.6

68 7.6 5.7 8.5

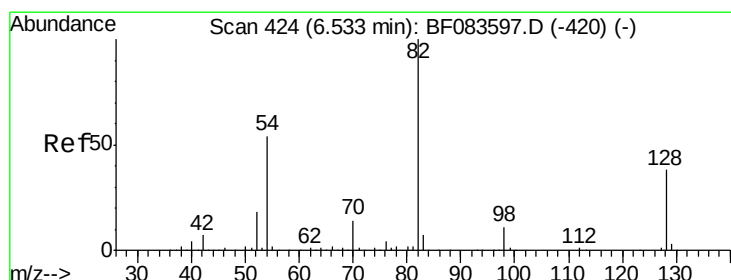
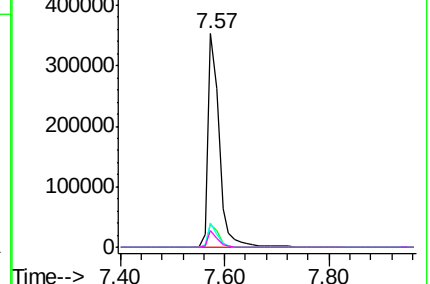
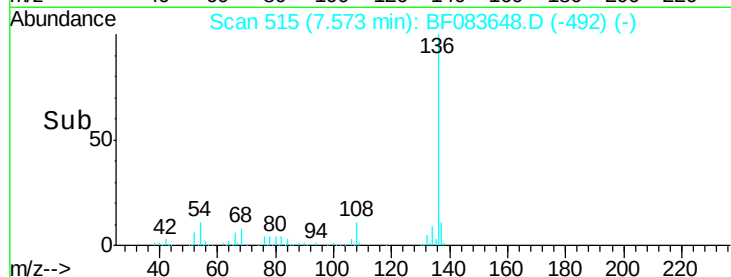


Abundance Ion 136.00 (135.70 to 136.70): E

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: 21.52 ng

RT: 6.51 min Scan# 422

Delta R.T. -0.02 min

Lab File: BF083648.D

Acq: 9 Dec 2015 19:32

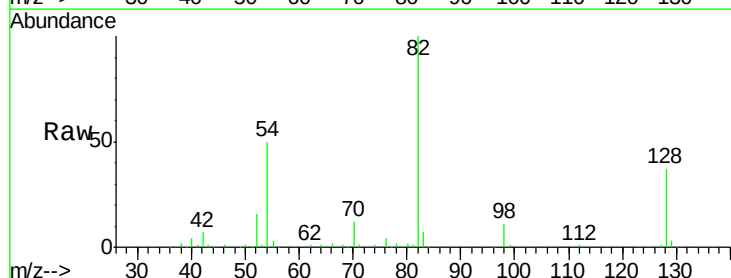
Tgt Ion: 82 Resp: 245014

Ion Ratio Lower Upper

82 100

128 37.2 30.7 46.1

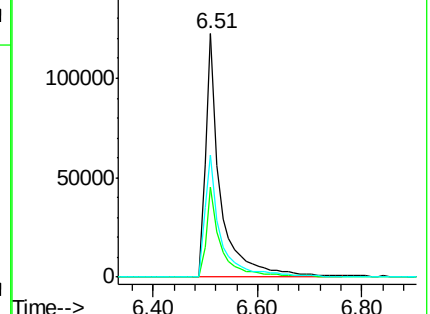
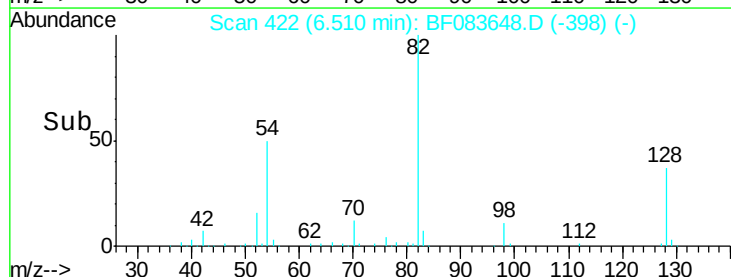
54 50.2 42.5 63.7

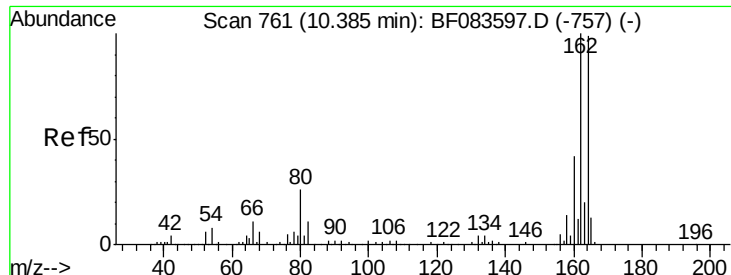


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 10.36 min Scan# 759

Delta R.T. -0.02 min

Lab File: BF083648.D

Acq: 9 Dec 2015 19:32

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-9-20151207

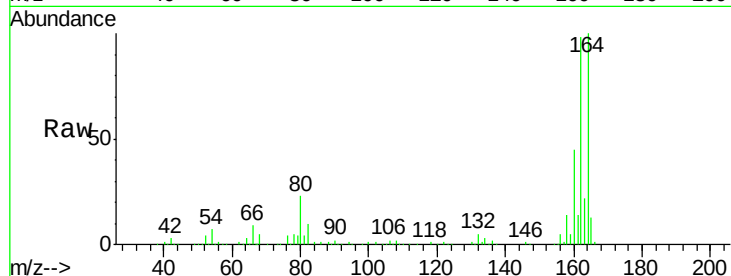
Tgt Ion:164 Resp: 244684

Ion Ratio Lower Upper

164 100

162 97.6 78.8 118.2

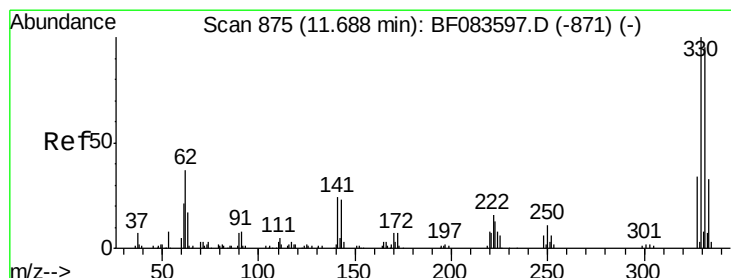
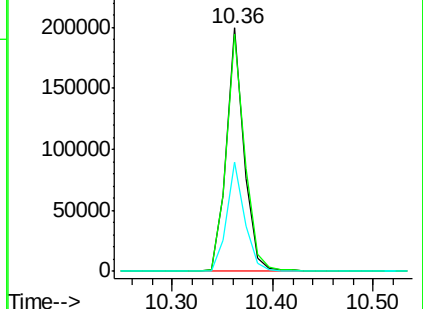
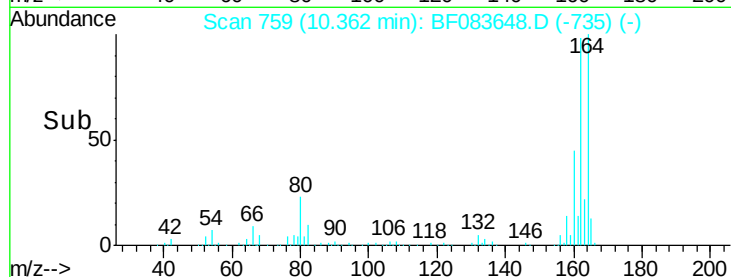
160 45.1 33.4 50.2



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: 23.04 ng

RT: 11.67 min Scan# 873

Delta R.T. -0.02 min

Lab File: BF083648.D

Acq: 9 Dec 2015 19:32

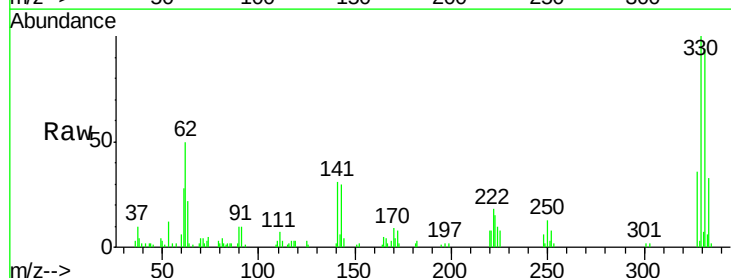
Tgt Ion:330 Resp: 50235

Ion Ratio Lower Upper

330 100

332 96.4 0.0 0.0#

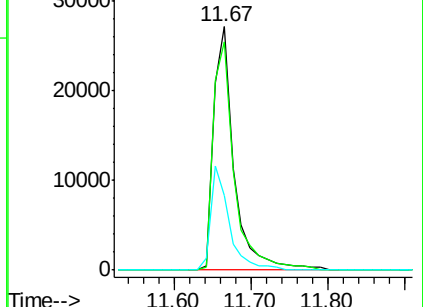
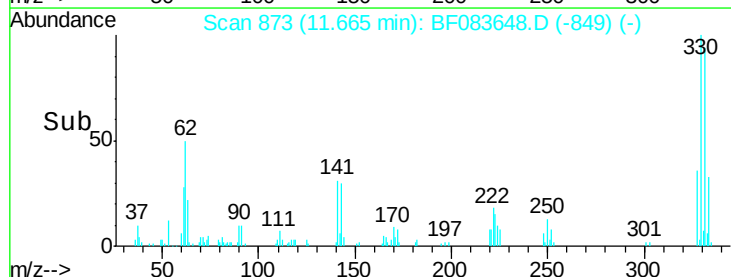
141 38.3 0.0 0.0#

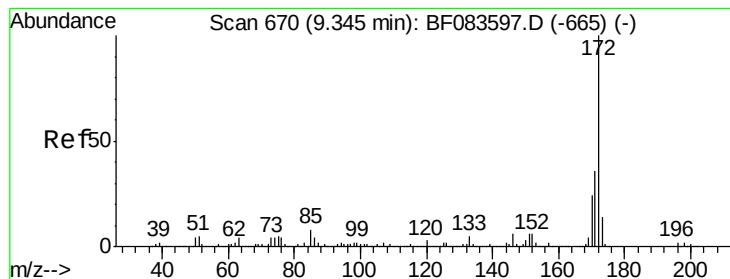


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 21.26 ng

RT: 9.32 min Scan# 668

Delta R.T. -0.02 min

Lab File: BF083648.D

Acq: 9 Dec 2015 19:32

Instrument :

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ClientSampleId :

CWC-MISC-9-20151207

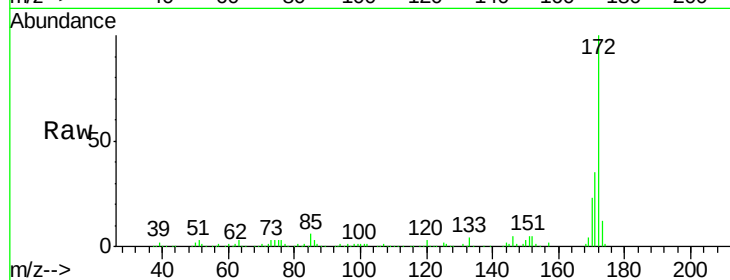
Tgt Ion:172 Resp: 369552

Ion Ratio Lower Upper

172 100

171 34.8 28.6 42.8

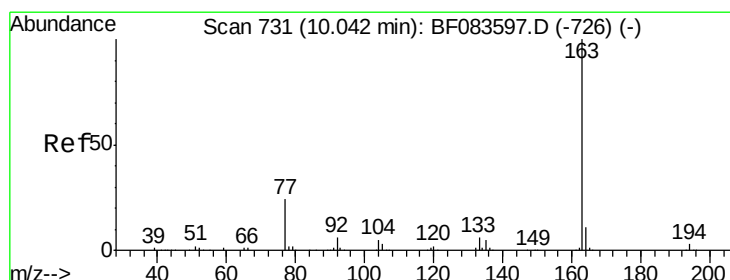
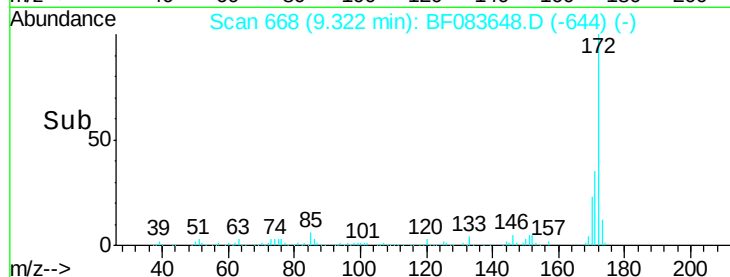
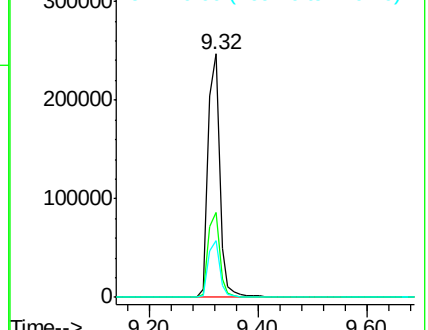
170 23.0 19.4 29.0



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: 3.20 ng

RT: 10.01 min Scan# 728

Delta R.T. -0.03 min

Lab File: BF083648.D

Acq: 9 Dec 2015 19:32

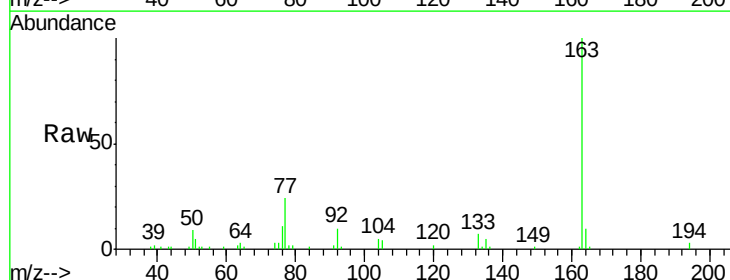
Tgt Ion:163 Resp: 62335

Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

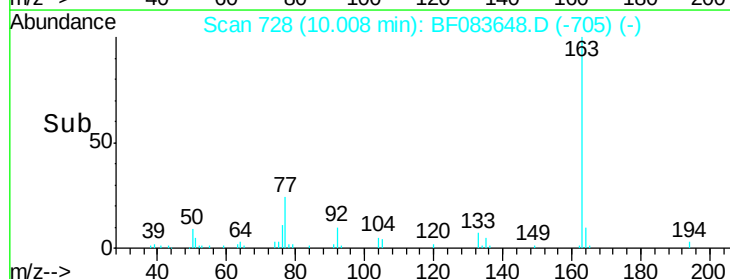
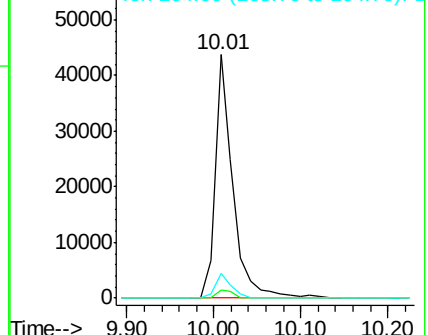
164 10.1 8.6 13.0

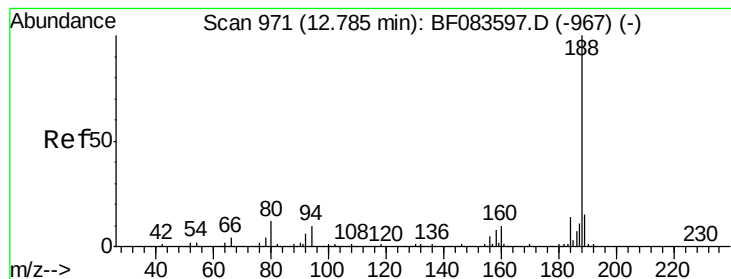


Abundance Ion 163.00 (162.70 to 163.70): E

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: 12.76 min Scan# 969

Delta R.T. -0.02 min

Lab File: BF083648.D

Acq: 9 Dec 2015 19:32

Instrument :

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CWC-MISC-9-20151207

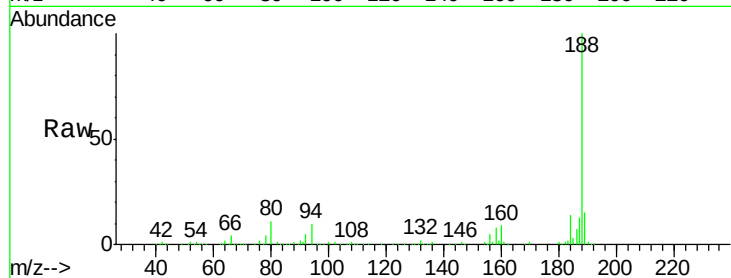
Tgt Ion:188 Resp: 386486

Ion Ratio Lower Upper

188 100

94 10.1 9.4 14.2

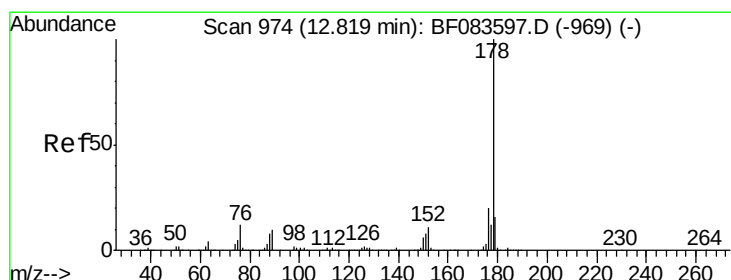
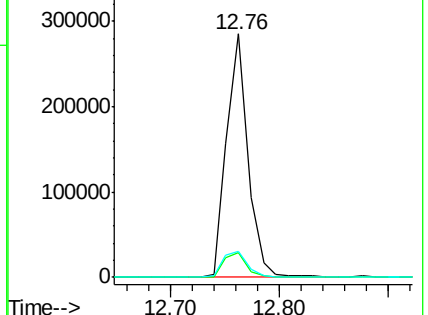
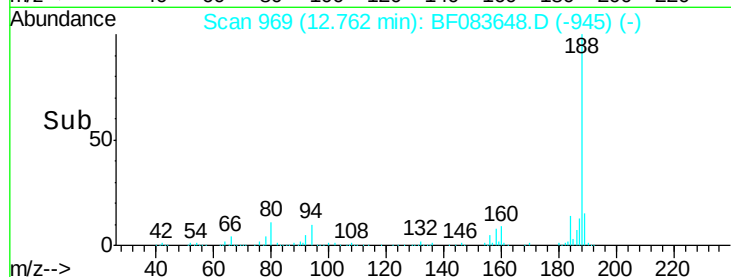
80 10.9 10.6 16.0



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: 4.08 ng

RT: 12.80 min Scan# 972

Delta R.T. -0.02 min

Lab File: BF083648.D

Acq: 9 Dec 2015 19:32

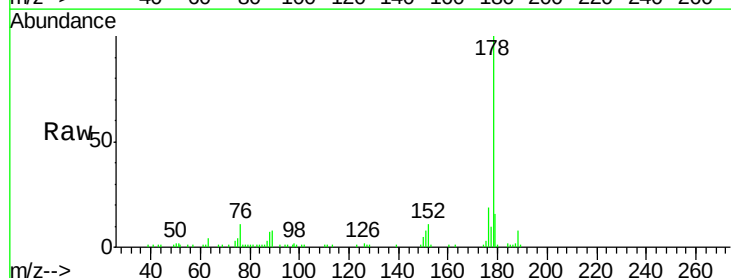
Tgt Ion:178 Resp: 90544

Ion Ratio Lower Upper

178 100

176 18.6 15.7 23.5

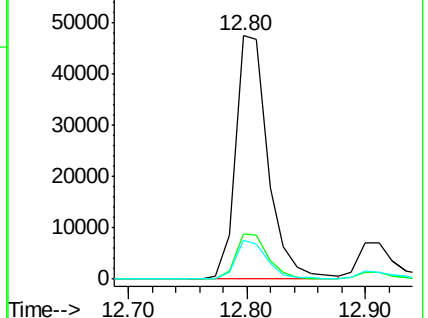
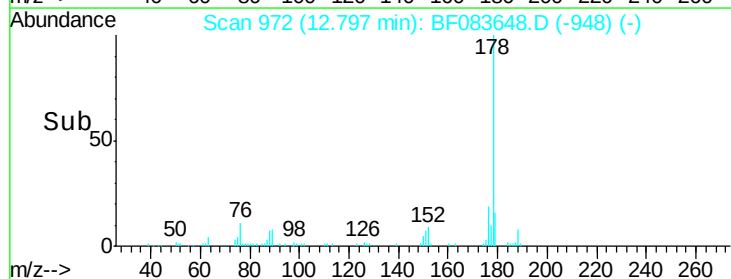
179 15.7 12.2 18.4

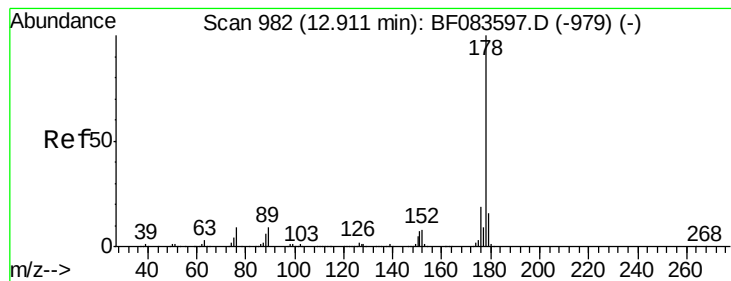


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 3.94 ng

RT: 12.80 min Scan# 972

Delta R.T. -0.11 min

Lab File: BF083648.D

Acq: 9 Dec 2015 19:32

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-9-20151207

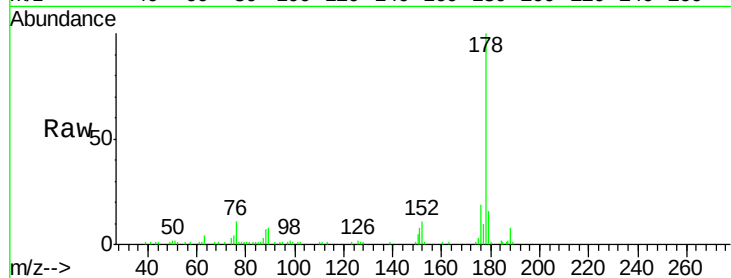
Tgt Ion:178 Resp: 90544

Ion Ratio Lower Upper

178 100

176 18.6 15.2 22.8

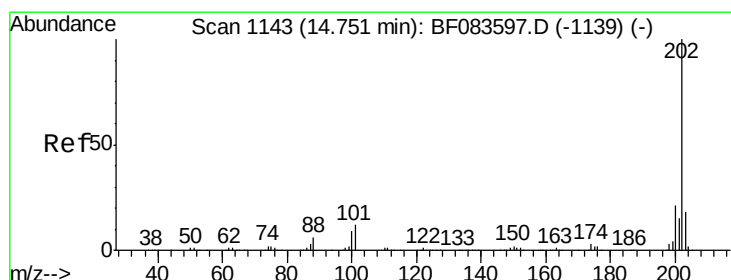
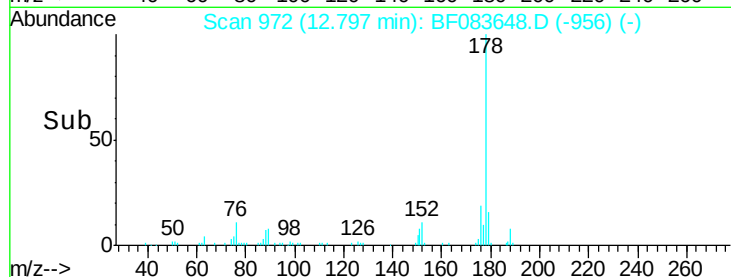
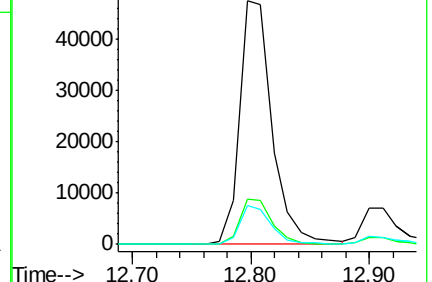
179 15.7 12.6 18.8



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: 5.13 ng

RT: 14.73 min Scan# 1141

Delta R.T. -0.02 min

Lab File: BF083648.D

Acq: 9 Dec 2015 19:32

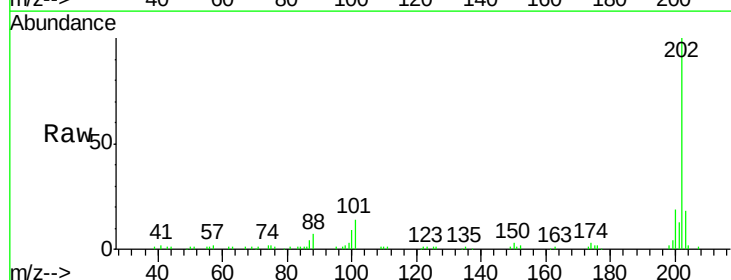
Tgt Ion:202 Resp: 116475

Ion Ratio Lower Upper

202 100

101 13.7 0.0 31.5

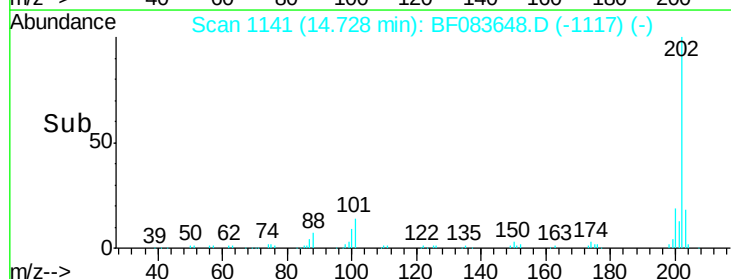
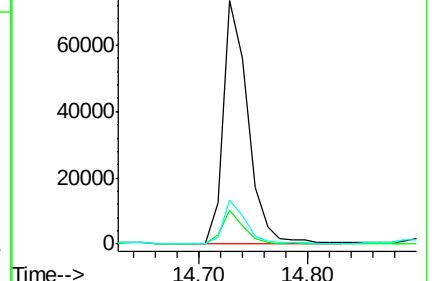
203 18.3 0.0 37.6

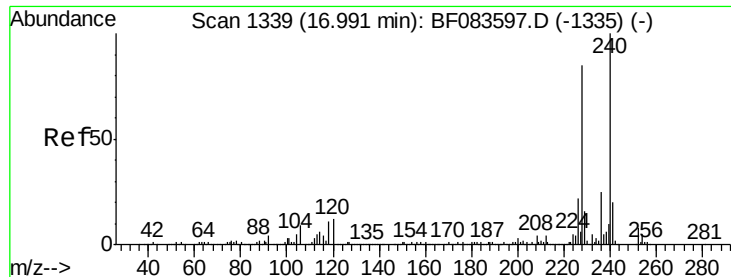


Abundance Ion 202.00 (201.70 to 202.70): E

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: 16.97 min Scan# 1337

Delta R.T. -0.02 min

Lab File: BF083648.D

Acq: 9 Dec 2015 19:32

Instrument :

BNA_F

ClientSampleId :

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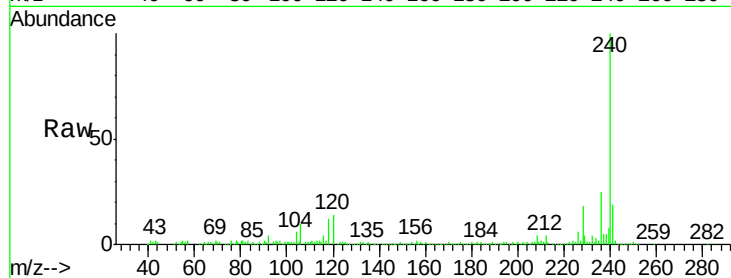
Tgt Ion:240 Resp: 303990

Ion Ratio Lower Upper

240 100

120 14.0 8.1 12.1#

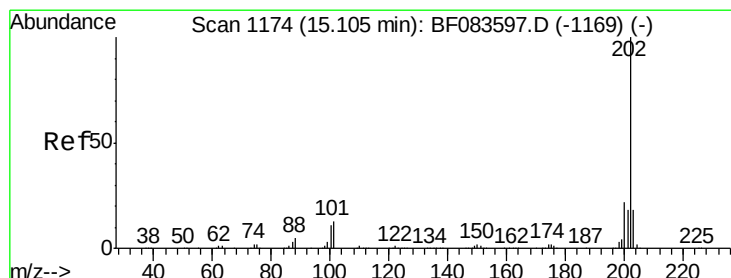
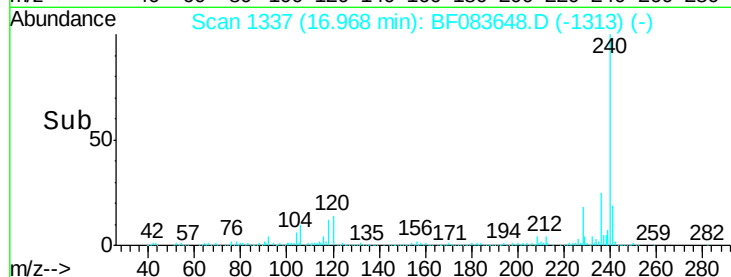
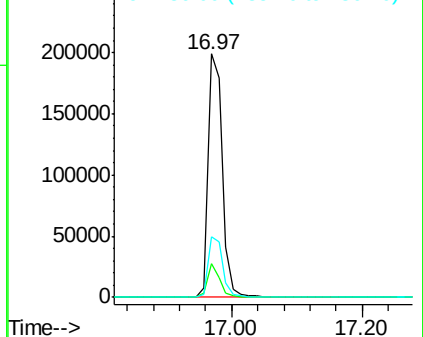
236 25.1 20.8 31.2



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: 5.16 ng

RT: 15.08 min Scan# 1172

Delta R.T. -0.02 min

Lab File: BF083648.D

Acq: 9 Dec 2015 19:32

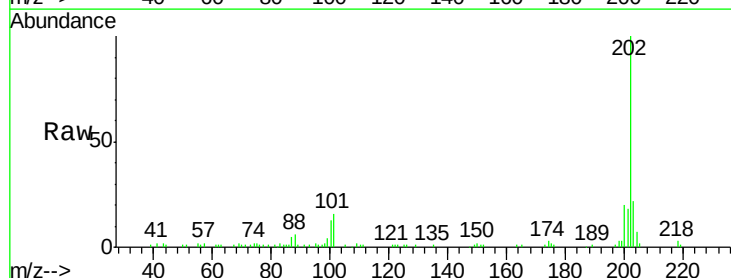
Tgt Ion:202 Resp: 113003

Ion Ratio Lower Upper

202 100

200 20.0 16.7 25.1

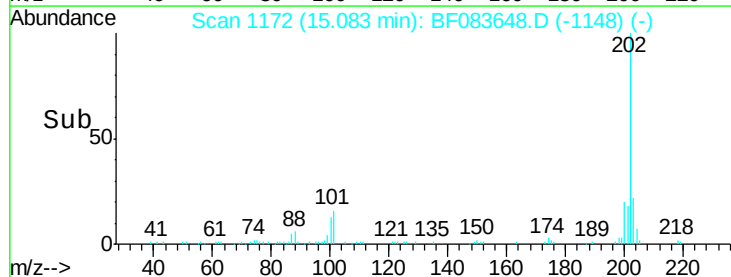
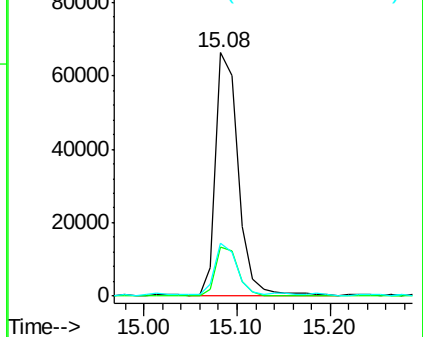
203 21.9 14.3 21.5#

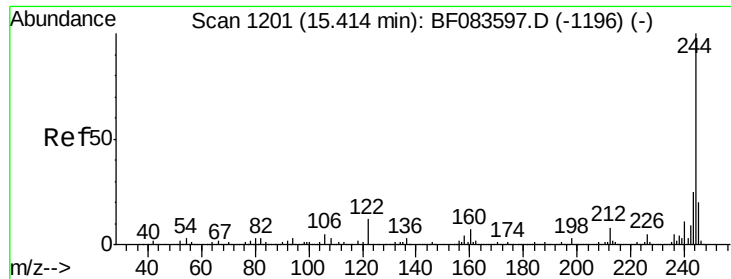


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

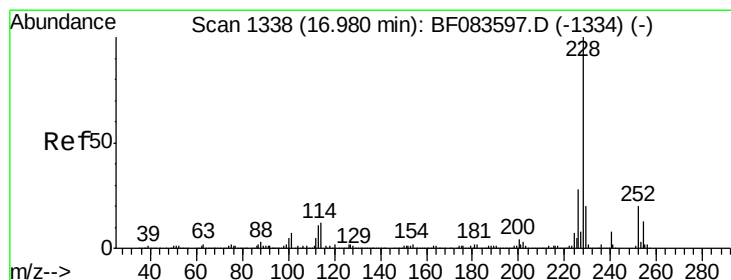
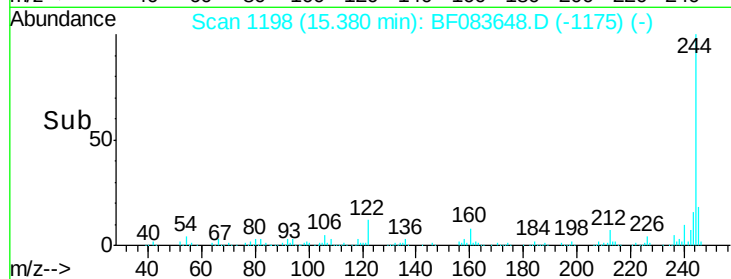
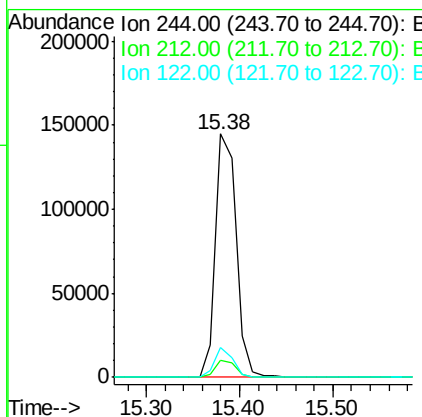
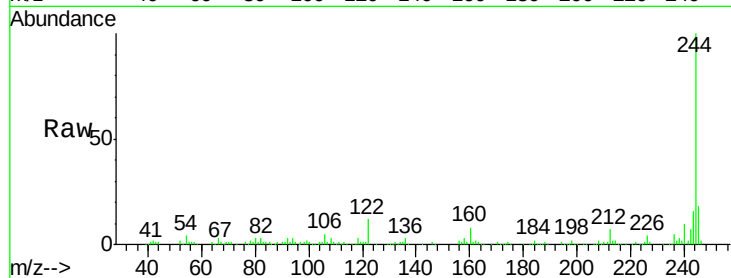




#78
 Terphenyl-d14
 Concen: 17.31 ng
 RT: 15.38 min Scan# 1198
 Delta R.T. -0.03 min
 Lab File: BF083648.D
 Acq: 9 Dec 2015 19:32

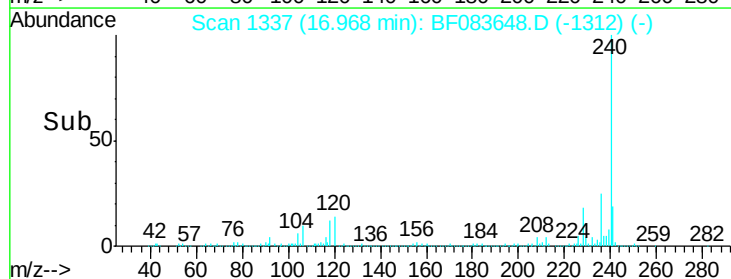
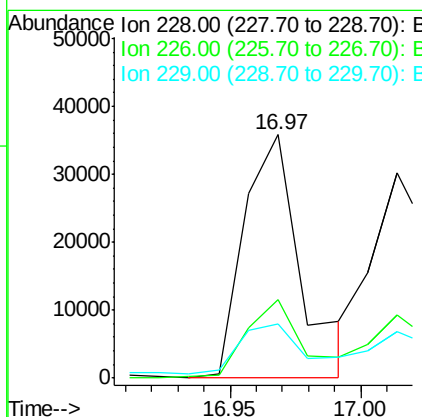
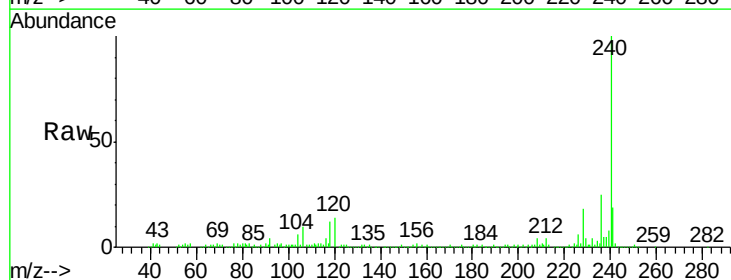
Instrument :
 BNA_F
 ClientSampleId :
 CWC-MISC-9-20151207

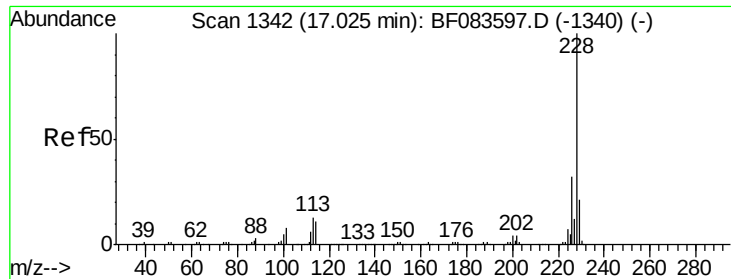
Tgt Ion:244 Resp: 223701
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.1 9.1
 122 12.4 11.0 16.6



#80
 Benzo(a)anthracene
 Concen: 3.08 ng
 RT: 16.97 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: BF083648.D
 Acq: 9 Dec 2015 19:32

Tgt Ion:228 Resp: 54763
 Ion Ratio Lower Upper
 228 100
 226 32.4 22.3 33.5
 229 22.3 15.7 23.5

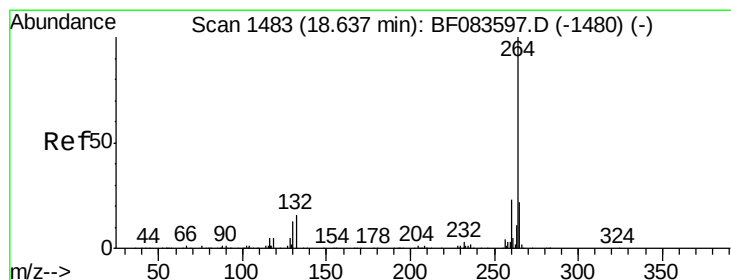
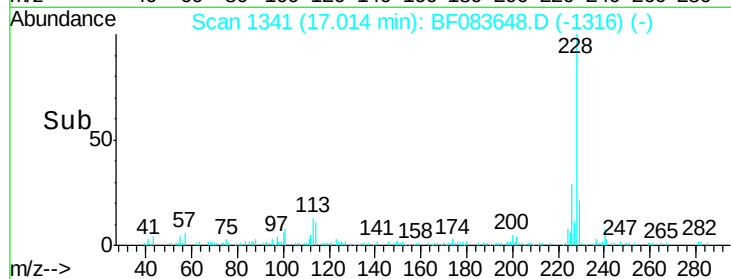
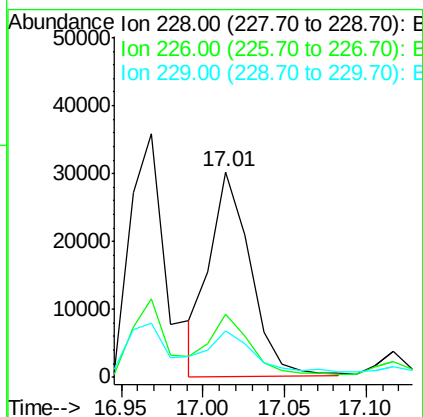
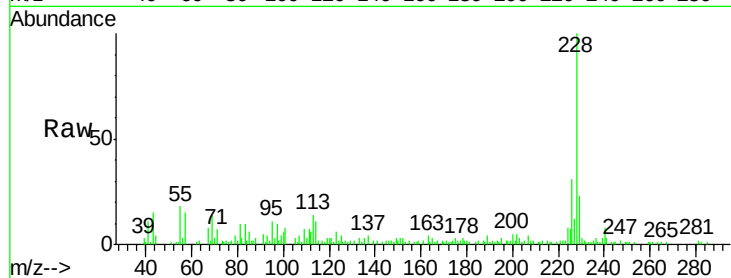




#82
Chrysene
Concen: 2.94 ng
RT: 17.01 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF083648.D
Acq: 9 Dec 2015 19:32

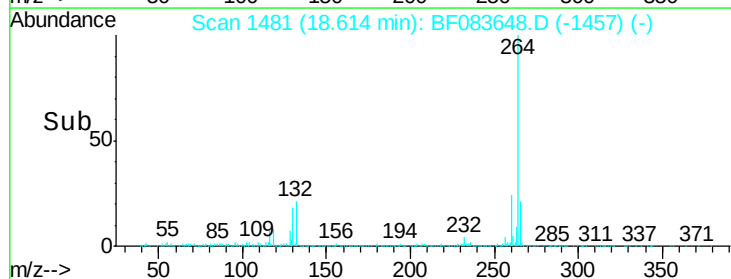
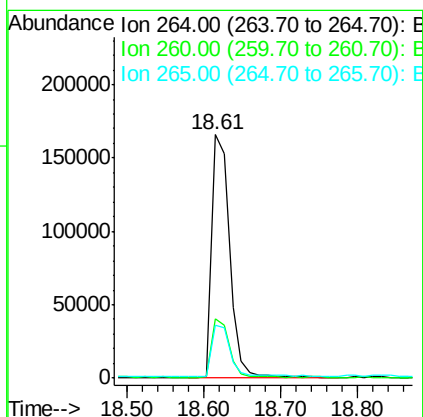
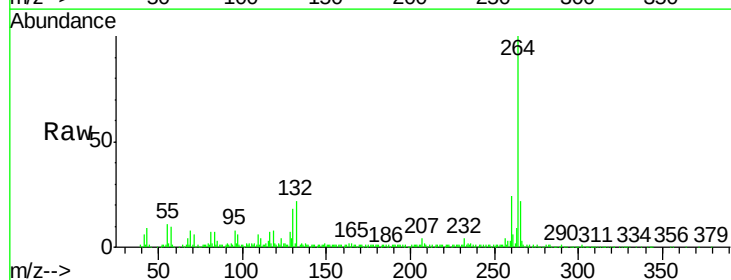
Instrument :
BNA_F
ClientSampleId :
CWC-MISC-9-20151207

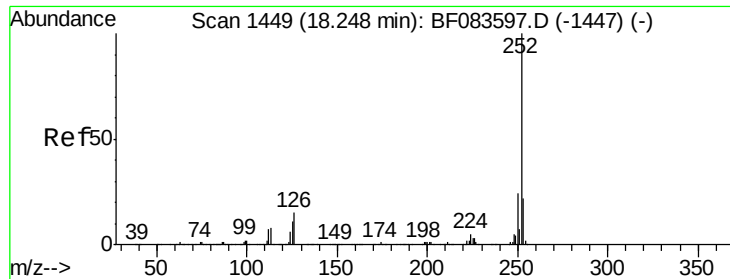
Tgt Ion:228 Resp: 52522
Ion Ratio Lower Upper
228 100
226 30.8 24.7 37.1
229 22.9 16.3 24.5



#86
Perylene-d12
Concen: 20.00 ng
RT: 18.61 min Scan# 1481
Delta R.T. -0.02 min
Lab File: BF083648.D
Acq: 9 Dec 2015 19:32

Tgt Ion:264 Resp: 271569
Ion Ratio Lower Upper
264 100
260 24.2 19.4 29.0
265 21.5 17.8 26.6

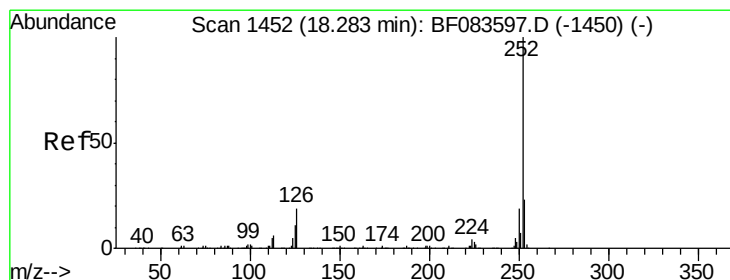
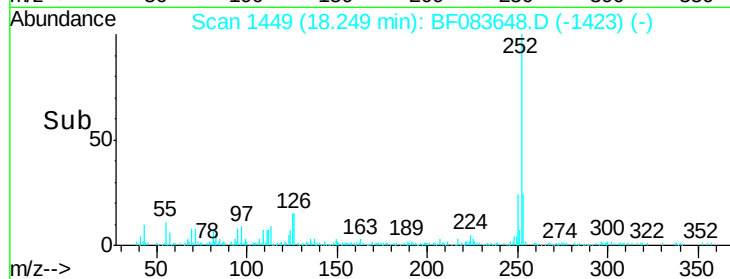
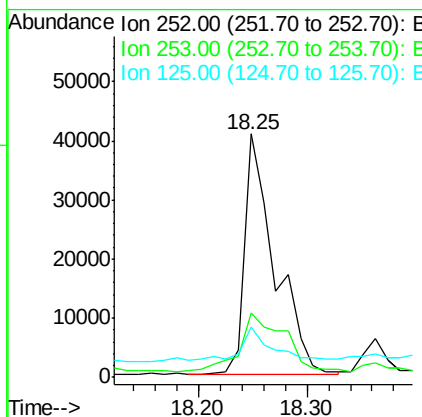
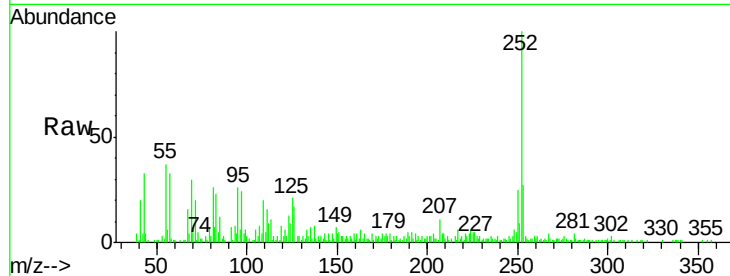




#87
Benzo(b)fluoranthene
Concen: 5.04 ng
RT: 18.25 min Scan# 1449
Delta R.T. 0.00 min
Lab File: BF083648.D
Acq: 9 Dec 2015 19:32

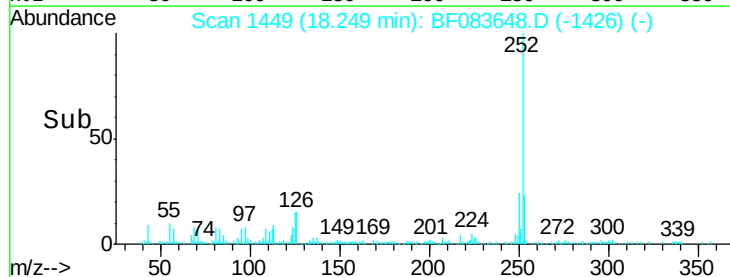
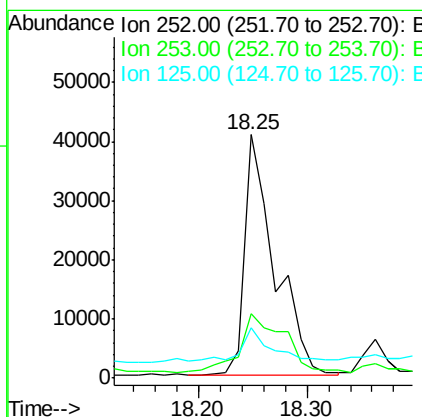
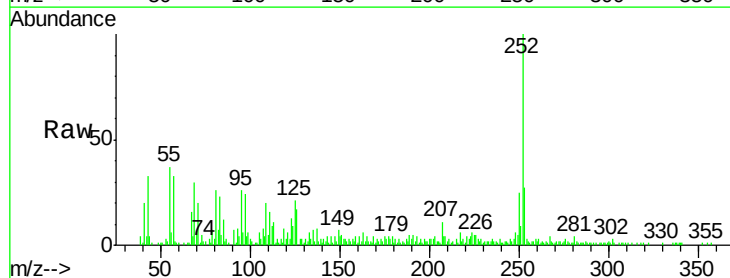
Instrument :
BNA_F
ClientSampleId :
CWC-MISC-9-20151207

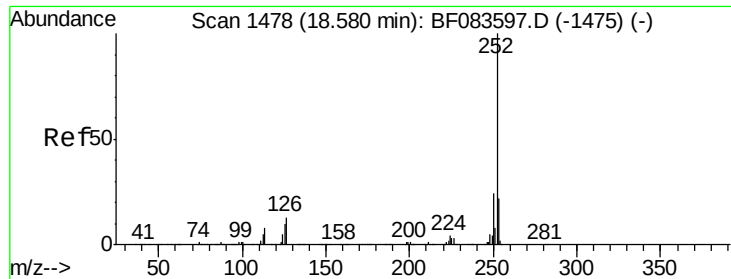
Tgt Ion:252 Resp: 78008
Ion Ratio Lower Upper
252 100
253 26.6 18.2 27.4
125 20.5 8.2 12.4#



#88
Benzo(k)fluoranthene
Concen: 4.58 ng
RT: 18.25 min Scan# 1449
Delta R.T. -0.03 min
Lab File: BF083648.D
Acq: 9 Dec 2015 19:32

Tgt Ion:252 Resp: 78008
Ion Ratio Lower Upper
252 100
253 26.6 18.6 27.8
125 20.5 11.5 17.3#





#89

Benzo(a)pyrene

Concen: 2.66 ng

RT: 18.58 min Scan# 1478

Delta R.T. 0.00 min

Lab File: BF083648.D

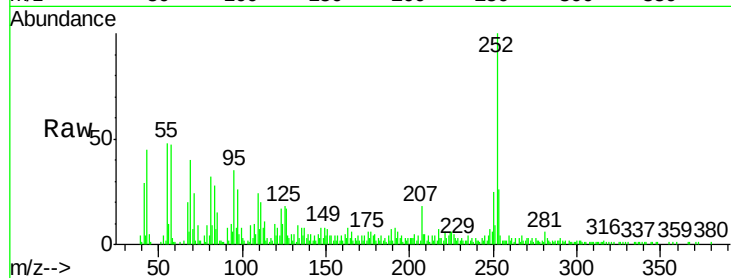
Acq: 9 Dec 2015 19:32

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-9-20151207



Tgt Ion:	252	Resp:	40111
Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.5	26.3
125	18.2	11.0	16.6

