

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112315\
 Data File : BF083228.D
 Acq On : 24 Nov 2015 3:00
 Operator : UM/IZ
 Sample : G4453-03RE
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CWC-MISC-2-20151116

Quant Time: Nov 24 04:41:52 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Nov 22 09:22:46 2015
 Response via : Initial Calibration

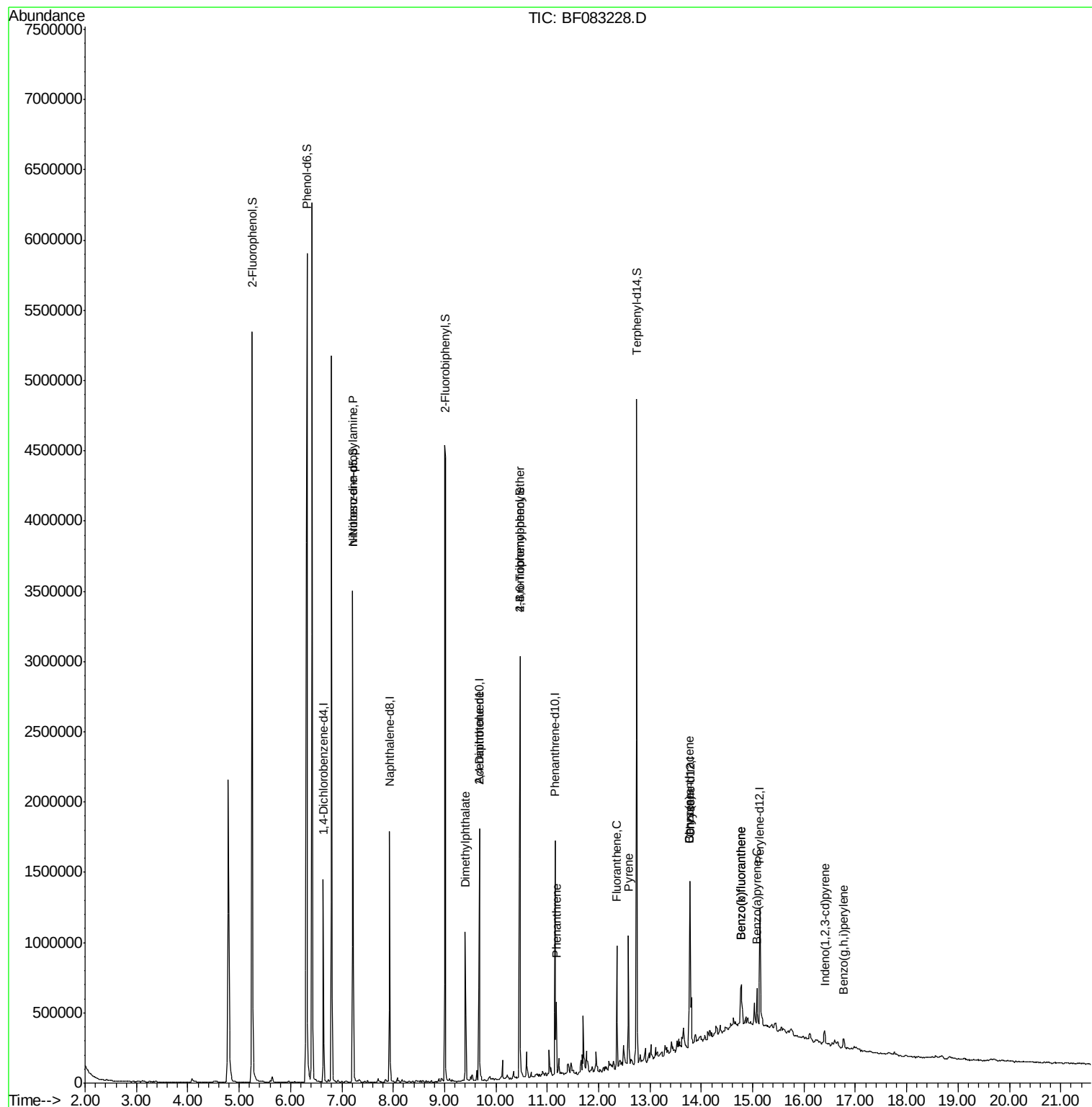
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	205486	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	799316	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	379694	20.00	ng	-0.02
63) Phenanthrene-d10	11.15	188	607982	20.00	ng	-0.02
75) Chrysene-d12	13.78	240	480151	20.00	ng	-0.02
86) Perylene-d12	15.14	264	371060	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1803500	132.69	ng	-0.02
7) Phenol-d6	6.32	99	2477045	140.85	ng	-0.02
23) Nitrobenzene-d5	7.21	82	1305683	74.64	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	374512	96.41	ng	-0.02
44) 2-Fluorobiphenyl	9.02	172	2263208	83.12	ng	-0.01
78) Terphenyl-d14	12.74	244	1644178	80.64	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.32	77	3954	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	7.21	70	174829	14.28	ng	# 77
49) Dimethylphthalate	9.40	163	478619	16.37	ng	99
56) 2,4-Dinitrotoluene	9.68	165	48971	5.89	ng	# 11
66) 4-Bromophenyl-phenylether	10.47	248	26901	3.99	ng	# 1
70) Phenanthrene	11.18	178	196164	5.60	ng	96
74) Fluoranthene	12.35	202	364890	10.18	ng	97
77) Pyrene	12.58	202	358230	10.92	ng	98
80) Benzo(a)anthracene	13.77	228	221295	7.45	ng	95
82) Chrysene	13.77	228	221295	8.04	ng	99
85) Indeno(1,2,3-cd)pyrene	16.40	276	64567	2.58	ng	98
87) Benzo(b)fluoranthene	14.78	252	211216	8.33	ng	# 95
88) Benzo(k)fluoranthene	14.78	252	211111	11.18	ng	# 95
89) Benzo(a)pyrene	15.09	252	106537	5.09	ng	# 92
91) Benzo(g,h,i)perylene	16.78	276	55407	2.98	ng	# 91

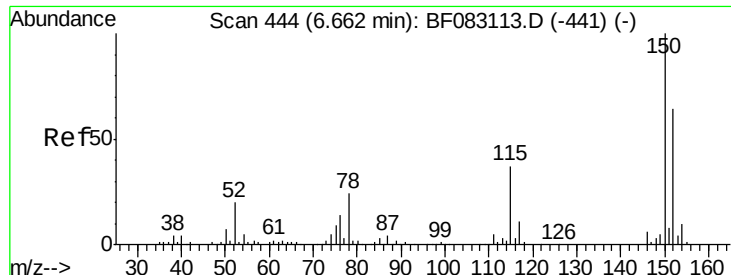
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 407

Delta R.T. -0.02 min

Lab File: BF083228.D

Acq: 24 Nov 2015 3:00

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-2-20151116

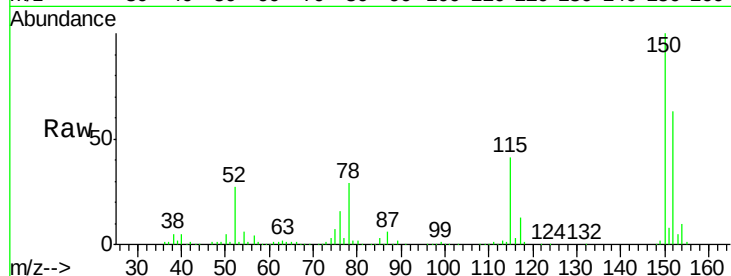
Tgt Ion:152 Resp: 205486

Ion Ratio Lower Upper

152 100

150 157.5 125.8 188.8

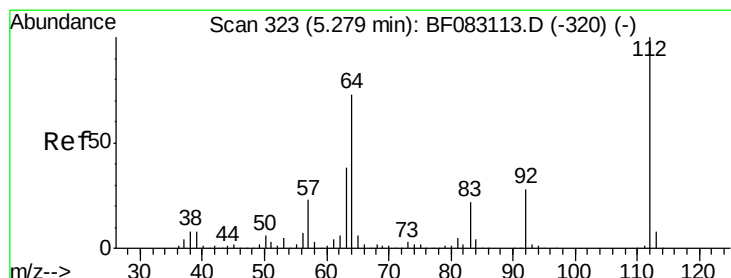
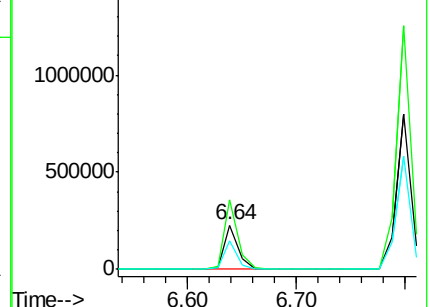
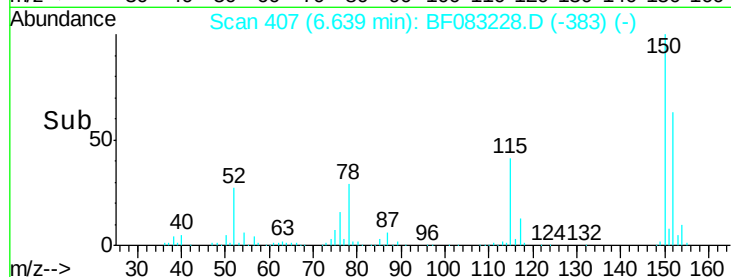
115 65.2 46.9 70.3



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: 132.69 ng

RT: 5.26 min Scan# 286

Delta R.T. -0.02 min

Lab File: BF083228.D

Acq: 24 Nov 2015 3:00

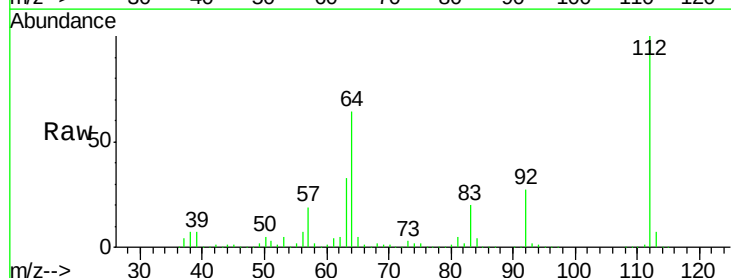
Tgt Ion:112 Resp: 1803500

Ion Ratio Lower Upper

112 100

64 63.7 58.4 87.6

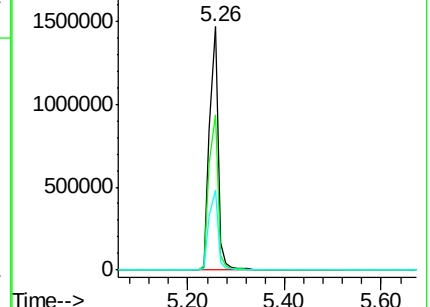
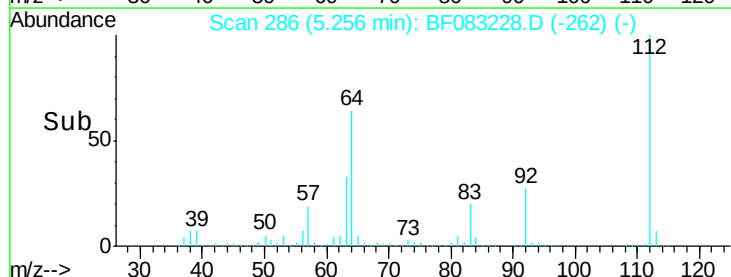
63 32.7 30.0 45.0

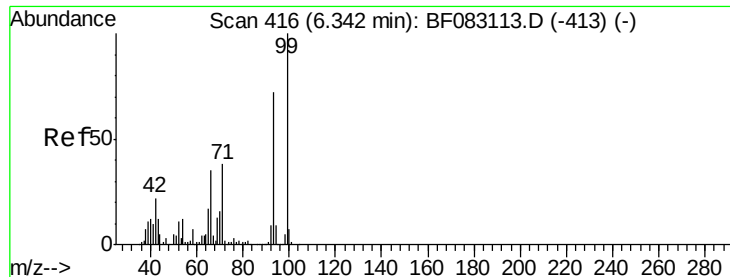


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 140.85 ng

RT: 6.32 min Scan# 379

Delta R.T. -0.02 min

Lab File: BF083228.D

Acq: 24 Nov 2015 3:00

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-2-20151116

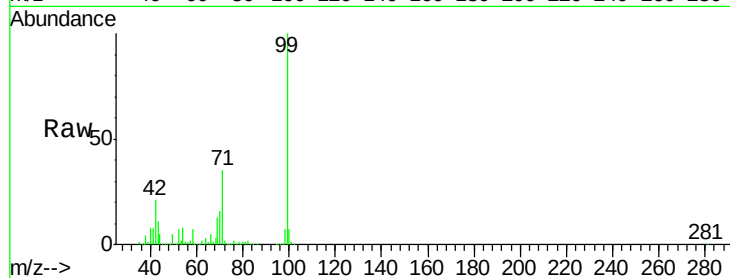
Tgt Ion: 99 Resp: 2477045

Ion Ratio Lower Upper

99 100

42 21.2 17.7 26.5

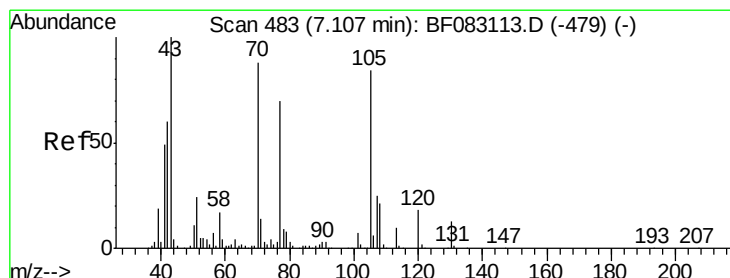
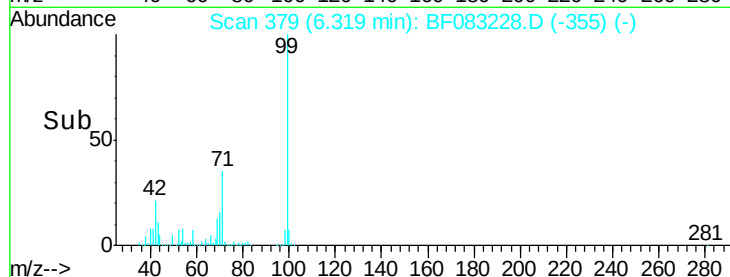
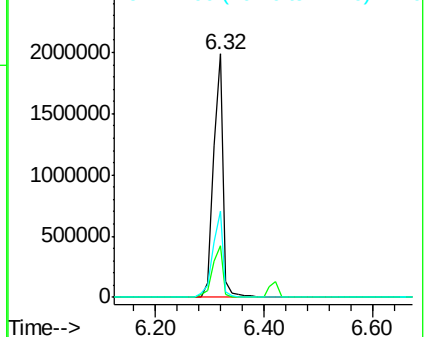
71 35.2 30.2 45.4



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: 14.28 ng

RT: 7.21 min Scan# 457

Delta R.T. 0.10 min

Lab File: BF083228.D

Acq: 24 Nov 2015 3:00

Tgt Ion: 70 Resp: 174829

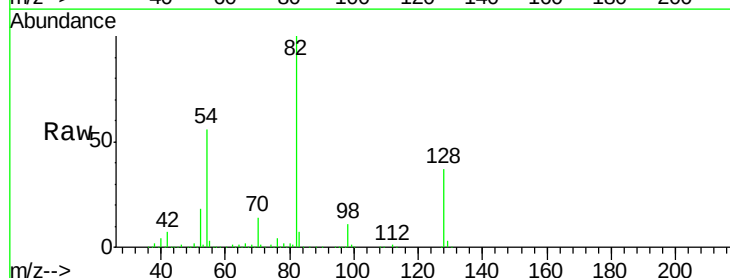
Ion Ratio Lower Upper

70 100

42 51.0 54.5 81.7#

101 0.0 6.6 9.8#

130 1.6 11.5 17.3#

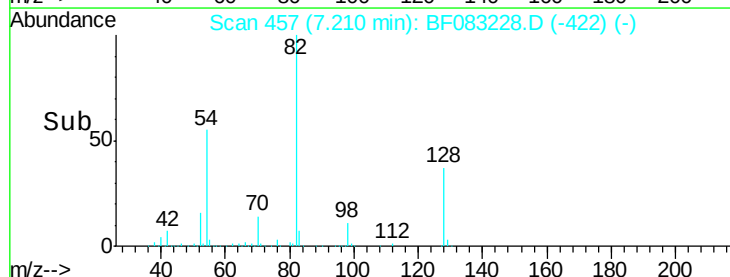
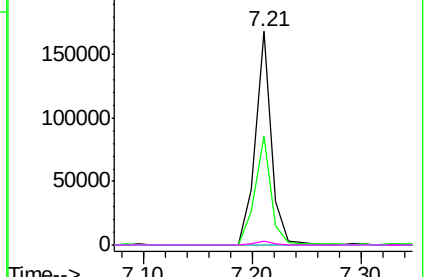


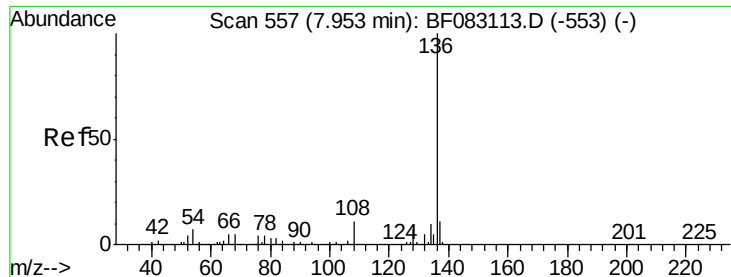
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

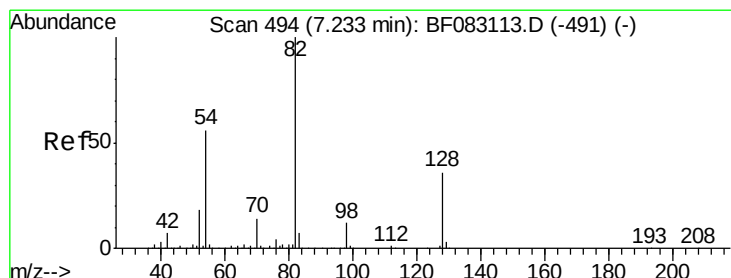
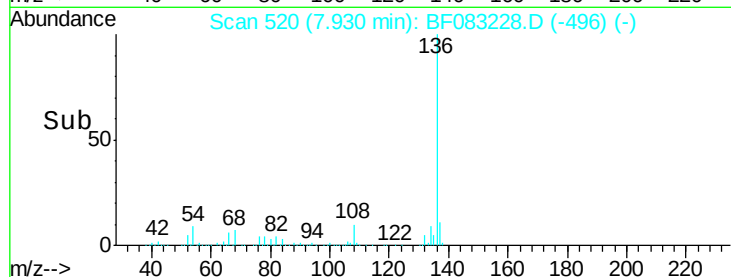
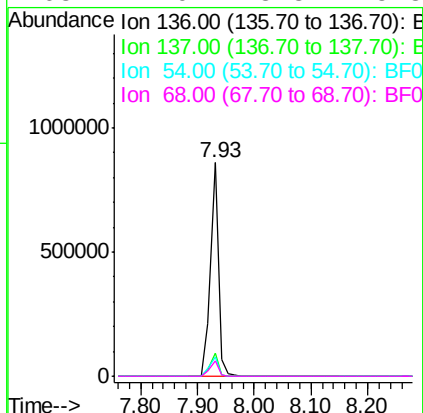
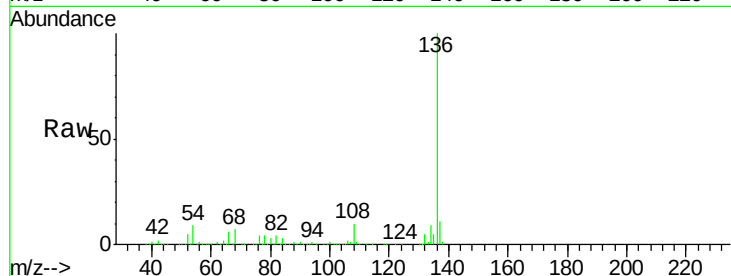




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.93 min Scan# 520
Delta R.T. -0.02 min
Lab File: BF083228.D
Acq: 24 Nov 2015 3:00

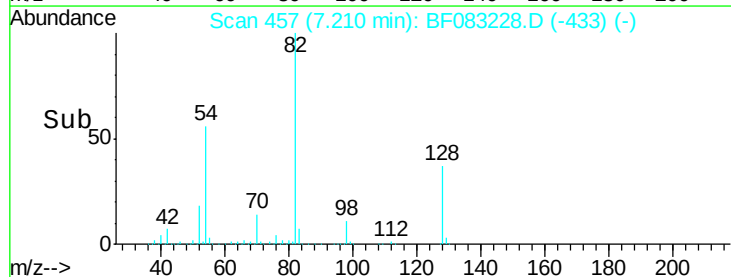
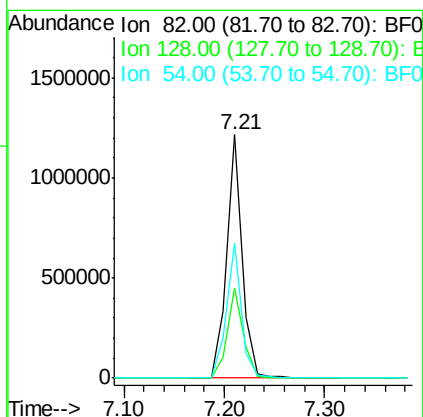
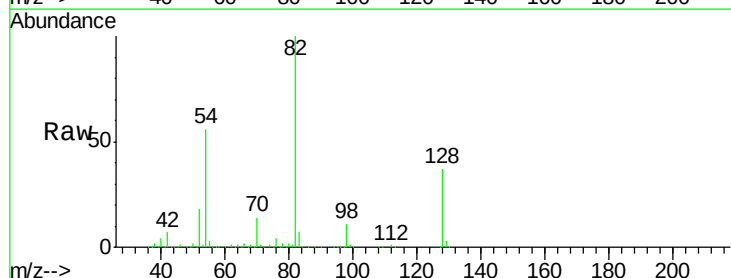
Instrument :
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ClientSampleId :
CWC-MISC-2-20151116

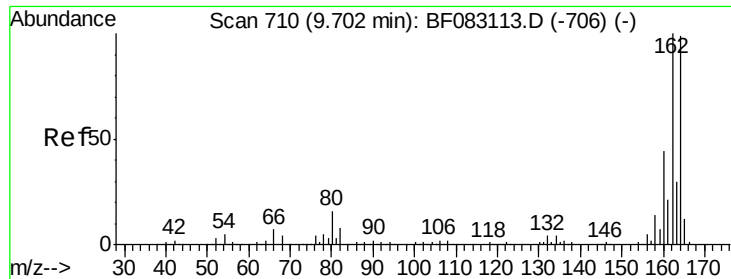
Tgt Ion:	136	Resp:	799316
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	8.9	5.8	8.6#
68	7.0	3.8	5.8#



#23
Nitrobenzene-d5
Concen: 74.64 ng
RT: 7.21 min Scan# 457
Delta R.T. -0.02 min
Lab File: BF083228.D
Acq: 24 Nov 2015 3:00

Tgt Ion:	82	Resp:	1305683
Ion	Ratio	Lower	Upper
82	100		
128	37.0	28.5	42.7
54	55.6	44.6	67.0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.68 min Scan# 673

Delta R.T. -0.02 min

Lab File: BF083228.D

Acq: 24 Nov 2015 3:00

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-2-20151116

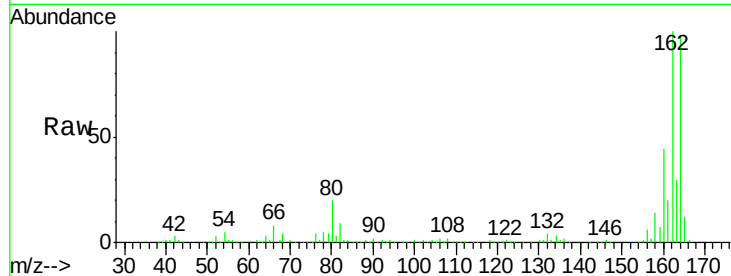
Tgt Ion:164 Resp: 379694

Ion Ratio Lower Upper

164 100

162 102.6 81.2 121.8

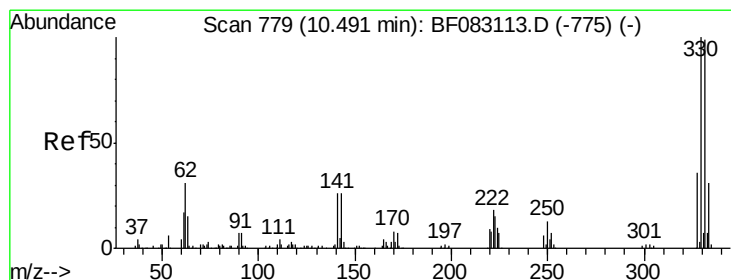
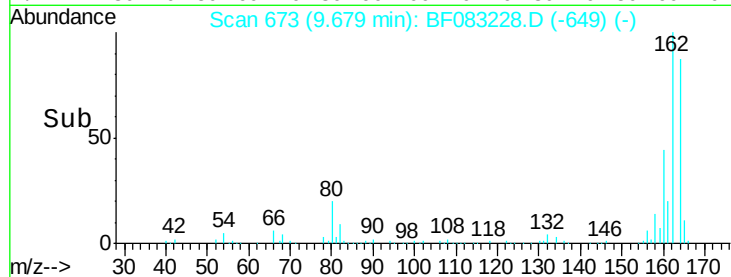
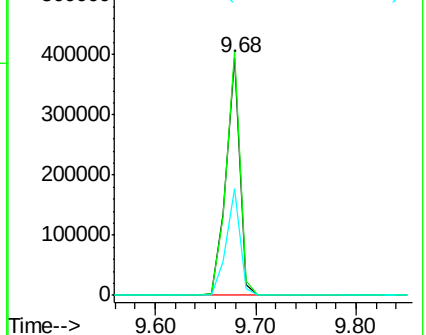
160 44.9 35.6 53.4



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: 96.41 ng

RT: 10.47 min Scan# 742

Delta R.T. -0.02 min

Lab File: BF083228.D

Acq: 24 Nov 2015 3:00

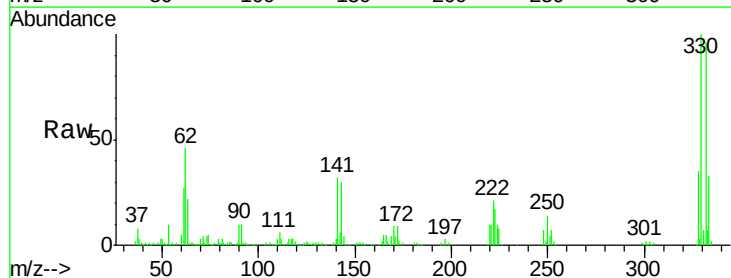
Tgt Ion:330 Resp: 374512

Ion Ratio Lower Upper

330 100

332 95.9 77.7 116.5

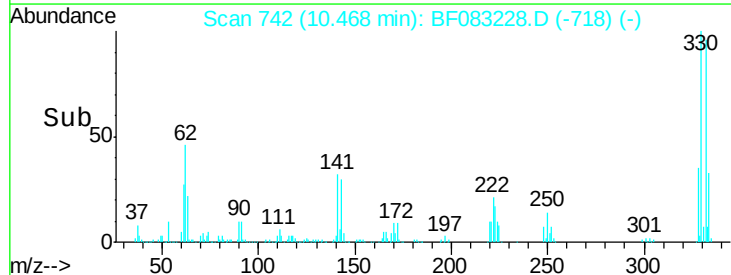
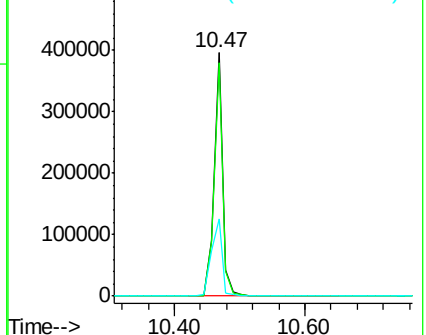
141 39.1 29.7 44.5

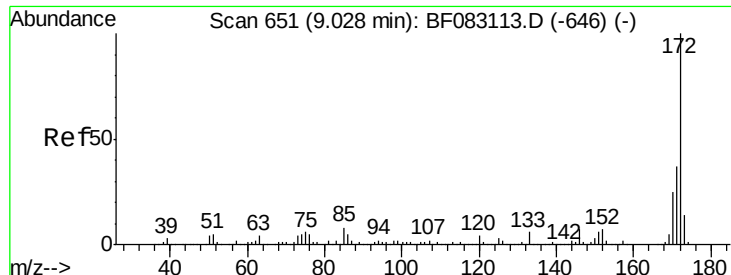


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

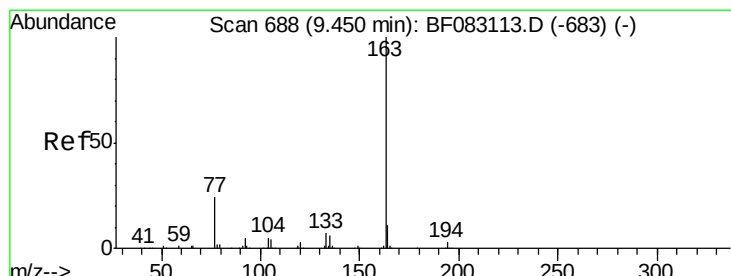
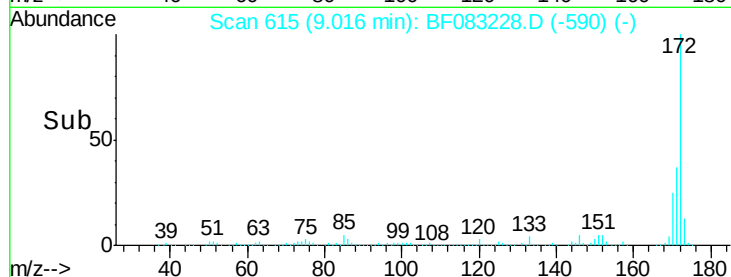
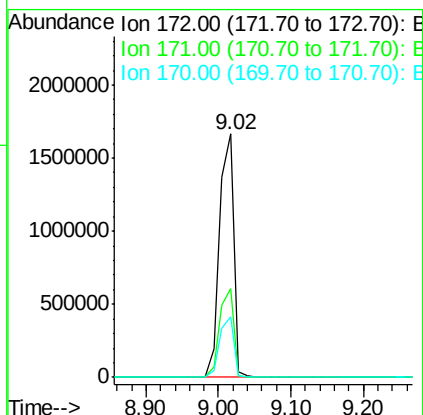
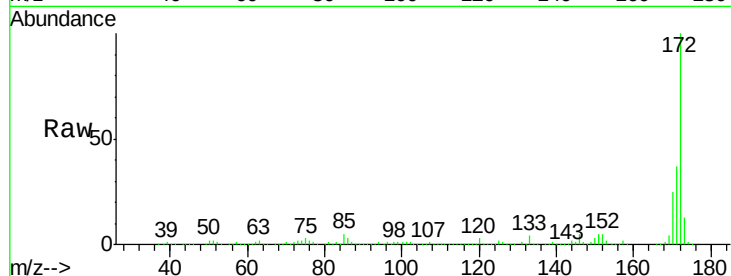




#44
 2-Fluorobiphenyl
 Concen: 83.12 ng
 RT: 9.02 min Scan# 615
 Delta R.T. -0.01 min
 Lab File: BF083228.D
 Acq: 24 Nov 2015 3:00

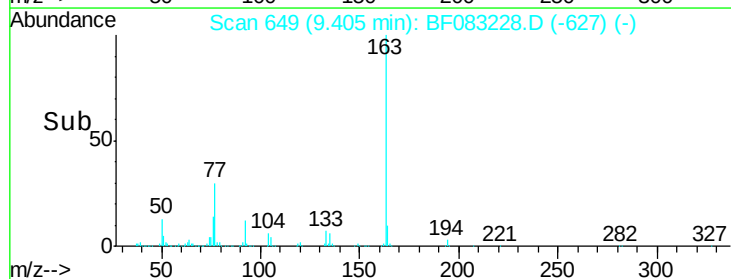
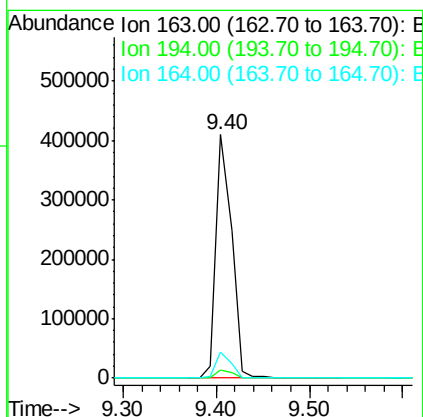
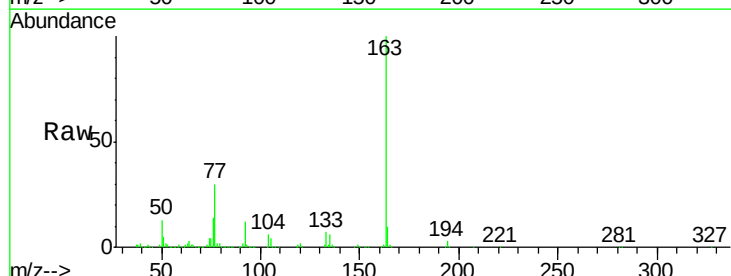
Instrument :
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 CWC-MISC-2-20151116

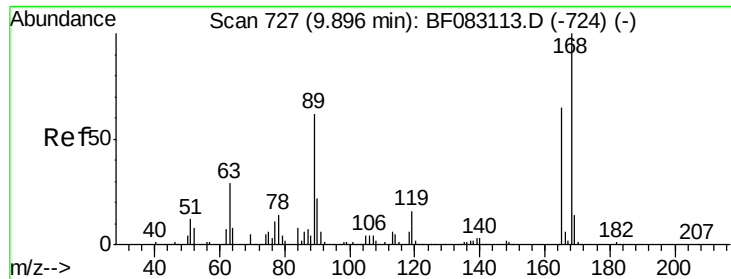
Tgt Ion:172 Resp: 2263208
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.5 44.3
 170 24.7 19.9 29.9



#49
 Dimethylphthalate
 Concen: 16.37 ng
 RT: 9.40 min Scan# 649
 Delta R.T. -0.05 min
 Lab File: BF083228.D
 Acq: 24 Nov 2015 3:00

Tgt Ion:163 Resp: 478619
 Ion Ratio Lower Upper
 163 100
 194 3.1 2.6 4.0
 164 10.5 8.6 12.8

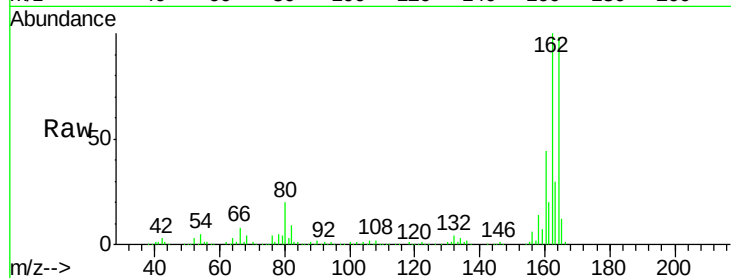




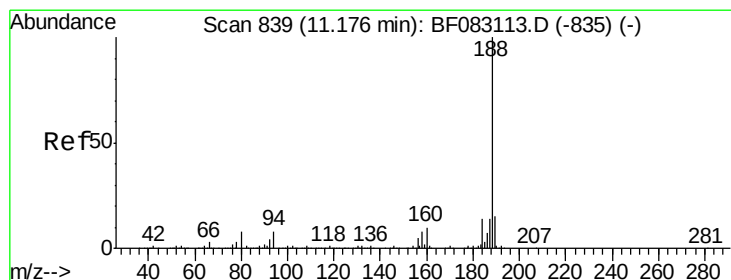
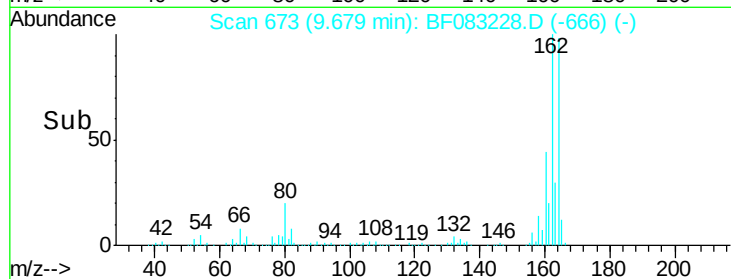
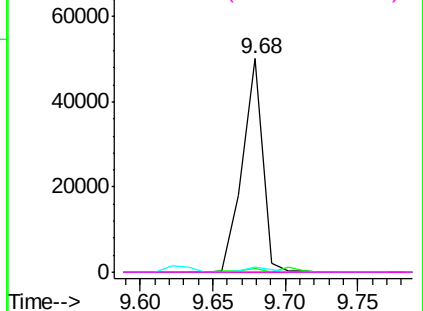
#56
 2,4-Dinitrotoluene
 Concen: 5.89 ng
 RT: 9.68 min Scan# 673
 Delta R.T. -0.22 min
 Lab File: BF083228.D
 Acq: 24 Nov 2015 3:00

Instrument :
 BNA_F
 ClientSampleId :
 CWC-MISC-2-20151116

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	54.5	81.7#
89	2.2	77.3	115.9#
182	0.0	1.8	2.6#

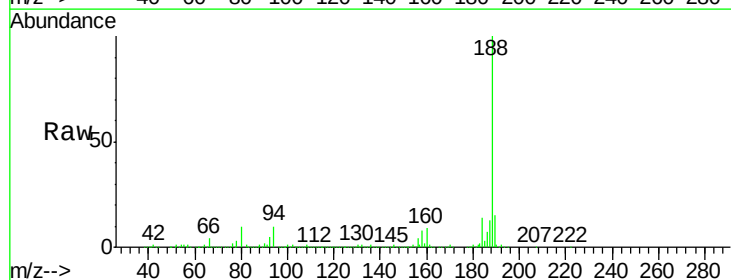


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

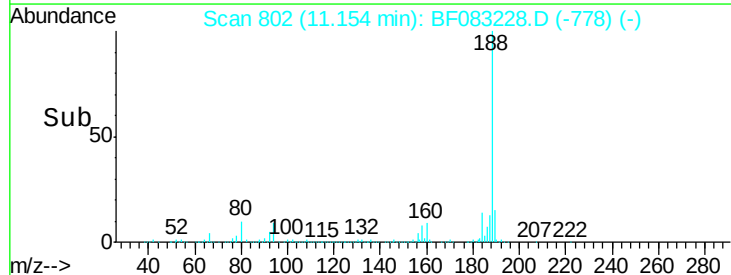
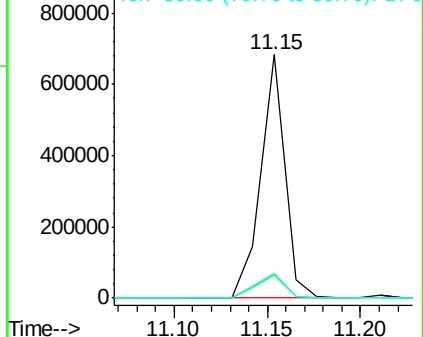


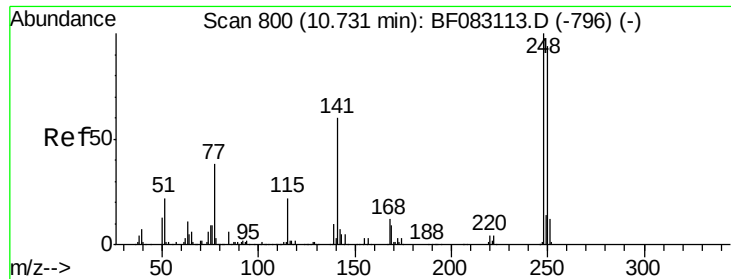
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.15 min Scan# 802
 Delta R.T. -0.02 min
 Lab File: BF083228.D
 Acq: 24 Nov 2015 3:00

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	6.0	9.0#
80	10.4	6.7	10.1#



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

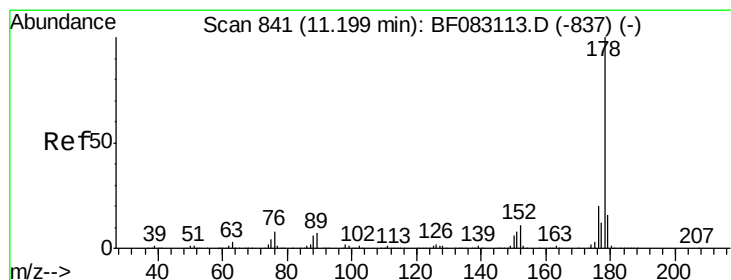
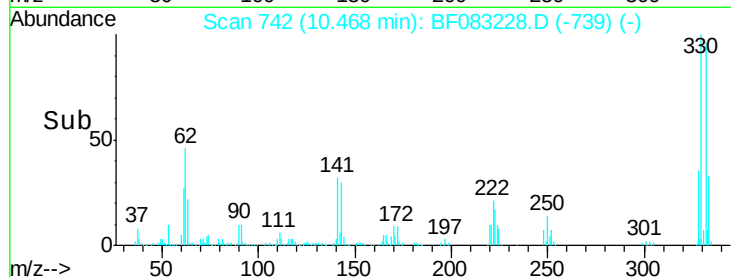
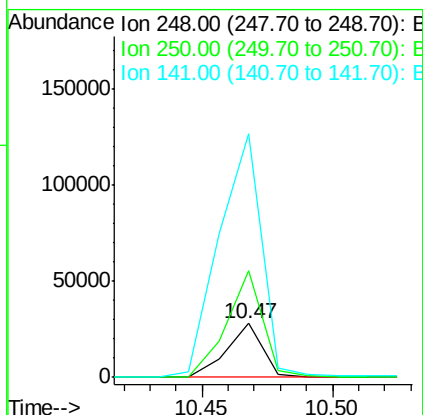
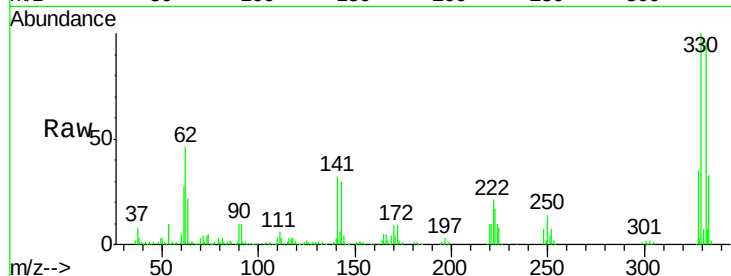




#66
 4-Bromophenyl-phenylether
 Concen: 3.99 ng
 RT: 10.47 min Scan# 742
 Delta R.T. -0.26 min
 Lab File: BF083228.D
 Acq: 24 Nov 2015 3:00

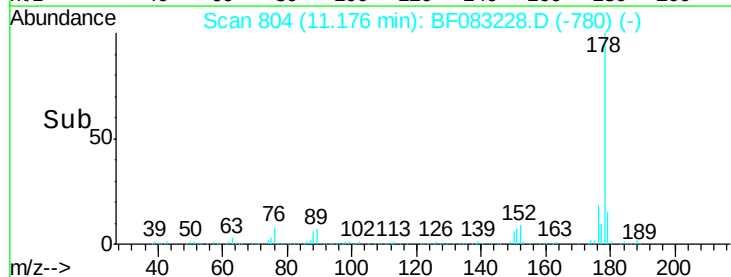
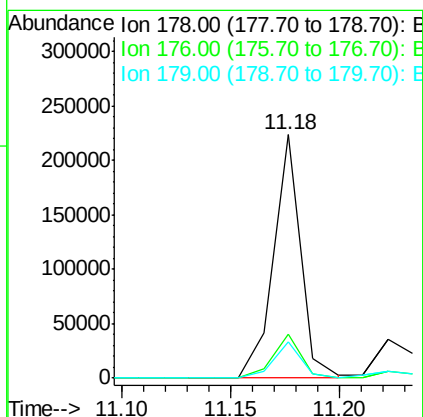
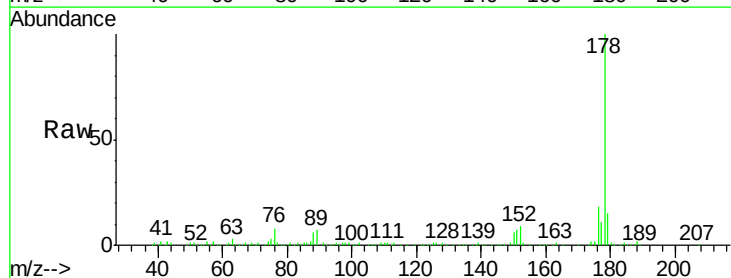
Instrument :
 BNA_F
 ClientSampleId :
 CWC-MISC-2-20151116

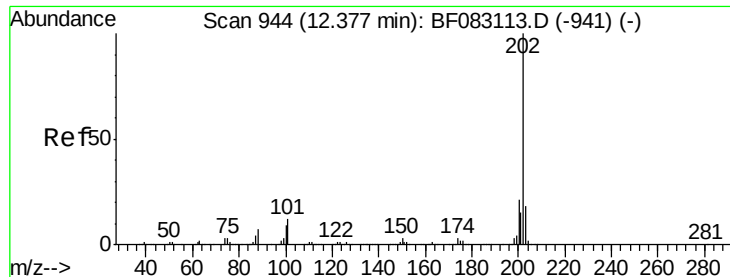
Tgt Ion:248 Resp: 26901
 Ion Ratio Lower Upper
 248 100
 250 197.2 75.4 113.2#
 141 451.5 48.1 72.1#



#70
 Phenanthrene
 Concen: 5.60 ng
 RT: 11.18 min Scan# 804
 Delta R.T. -0.02 min
 Lab File: BF083228.D
 Acq: 24 Nov 2015 3:00

Tgt Ion:178 Resp: 196164
 Ion Ratio Lower Upper
 178 100
 176 18.2 16.2 24.2
 179 14.7 12.8 19.2





#74

Fluoranthene

Concen: 10.18 ng

RT: 12.35 min Scan# 907

Delta R.T. -0.02 min

Lab File: BF083228.D

Acq: 24 Nov 2015 3:00

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-2-20151116

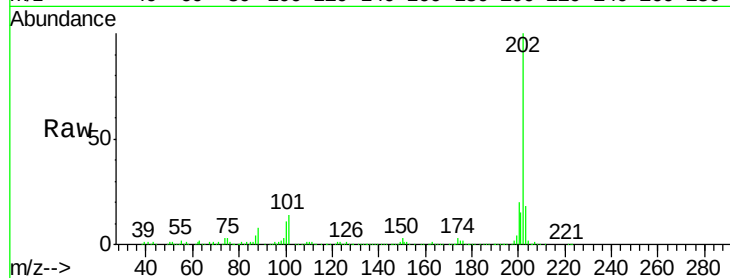
Tgt Ion:202 Resp: 364890

Ion Ratio Lower Upper

202 100

101 14.2 0.0 32.3

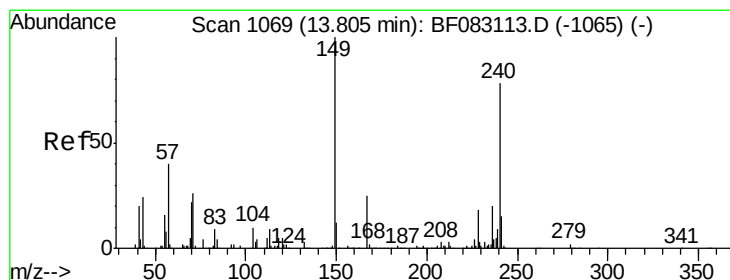
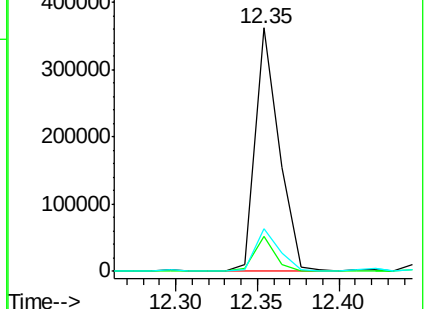
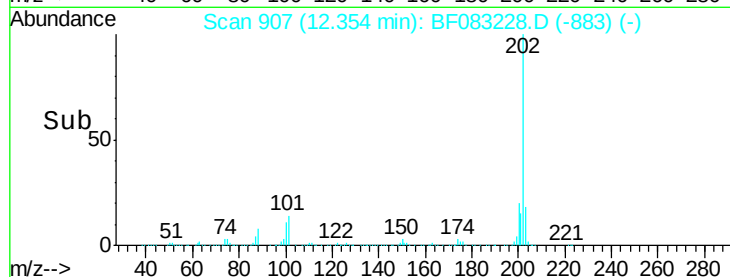
203 17.7 0.0 38.4



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: 13.78 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF083228.D

Acq: 24 Nov 2015 3:00

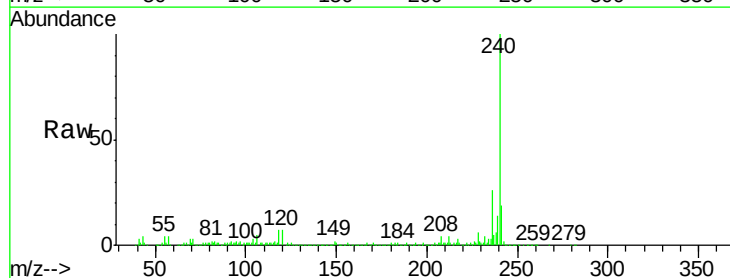
Tgt Ion:240 Resp: 480151

Ion Ratio Lower Upper

240 100

120 6.8 5.4 8.2

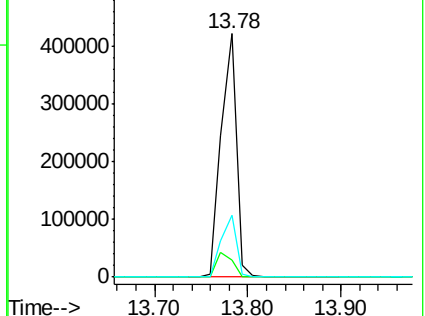
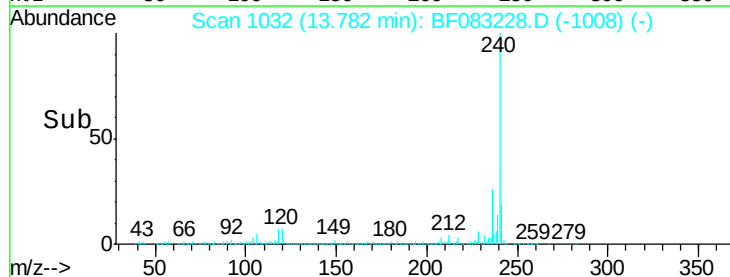
236 25.7 20.6 31.0

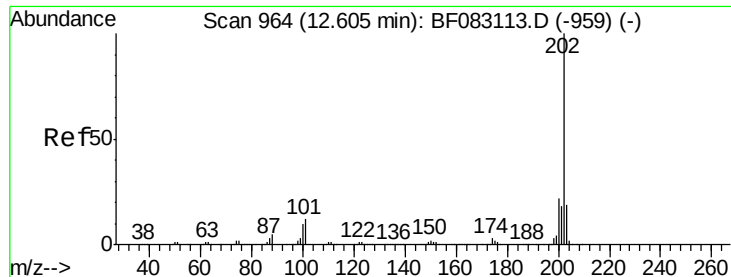


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 10.92 ng

RT: 12.58 min Scan# 927

Delta R.T. -0.02 min

Lab File: BF083228.D

Acq: 24 Nov 2015 3:00

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-2-20151116

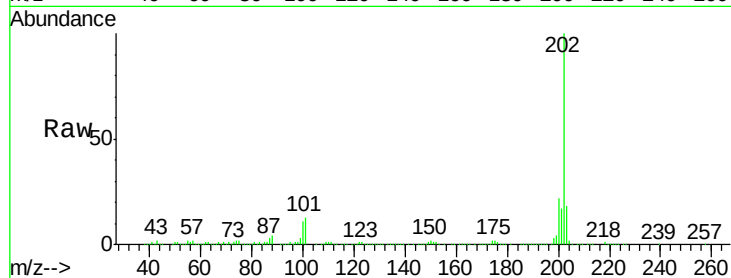
Tgt Ion:202 Resp: 358230

Ion Ratio Lower Upper

202 100

200 21.6 17.8 26.6

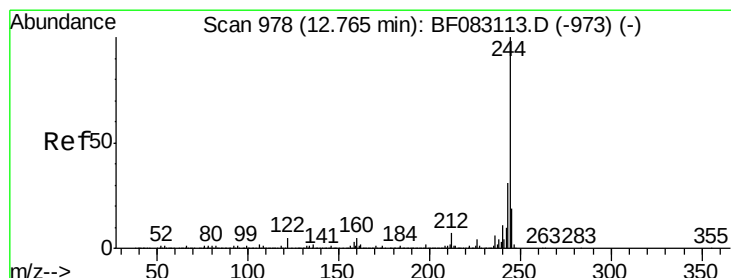
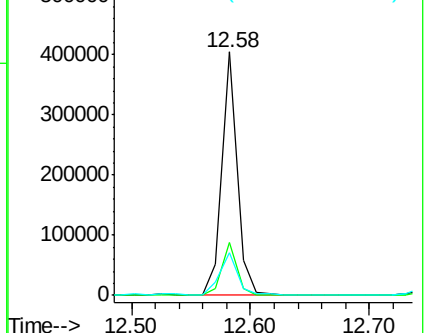
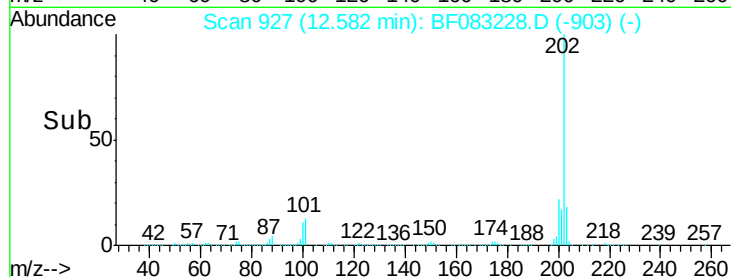
203 17.8 15.0 22.4



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: 80.64 ng

RT: 12.74 min Scan# 941

Delta R.T. -0.02 min

Lab File: BF083228.D

Acq: 24 Nov 2015 3:00

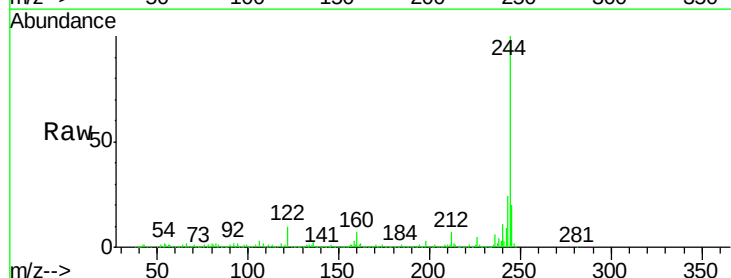
Tgt Ion:244 Resp: 1644178

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.2

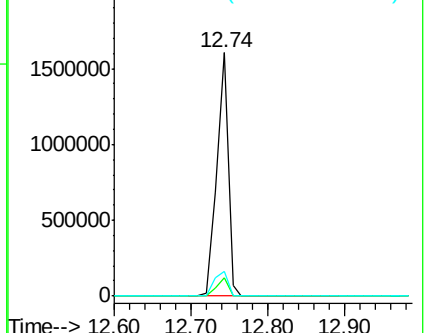
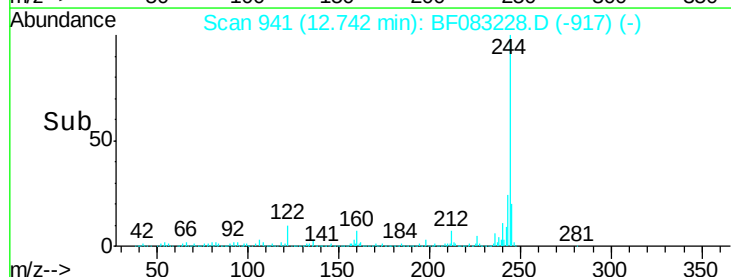
122 10.2 4.3 6.5#

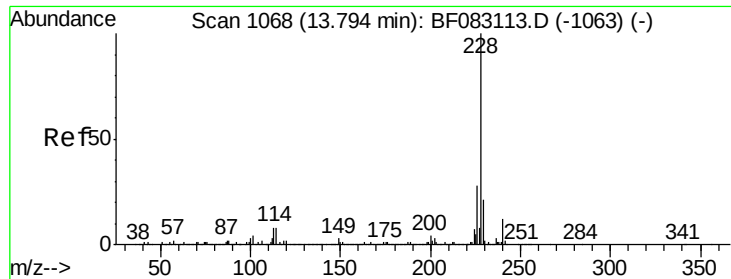


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 7.45 ng

RT: 13.77 min Scan# 1031

Delta R.T. -0.02 min

Lab File: BF083228.D

Acq: 24 Nov 2015 3:00

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-2-20151116

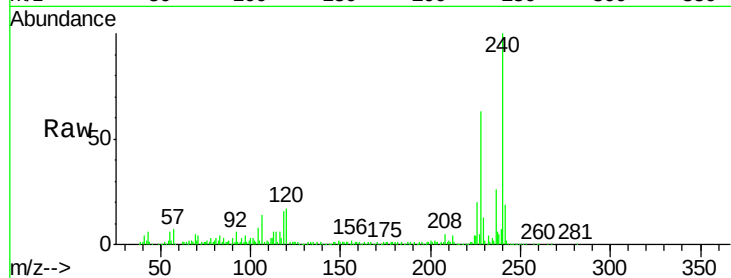
Tgt Ion:228 Resp: 221295

Ion Ratio Lower Upper

228 100

226 31.7 22.6 33.8

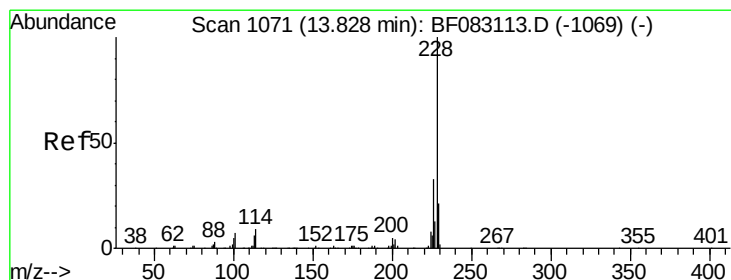
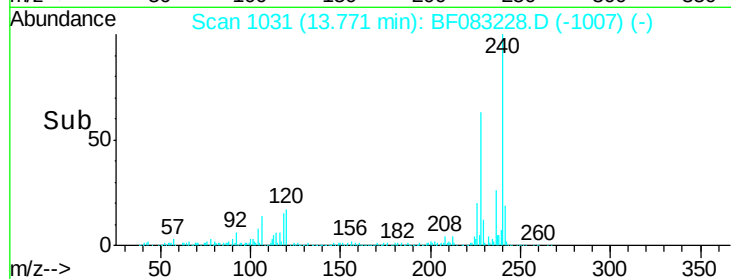
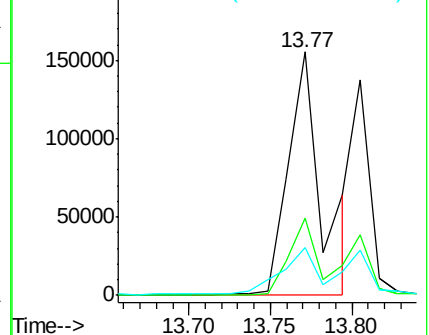
229 19.7 16.6 24.8



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: 8.04 ng

RT: 13.77 min Scan# 1031

Delta R.T. -0.06 min

Lab File: BF083228.D

Acq: 24 Nov 2015 3:00

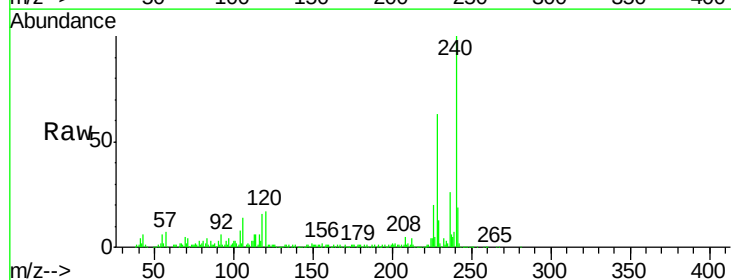
Tgt Ion:228 Resp: 221295

Ion Ratio Lower Upper

228 100

226 31.7 25.5 38.3

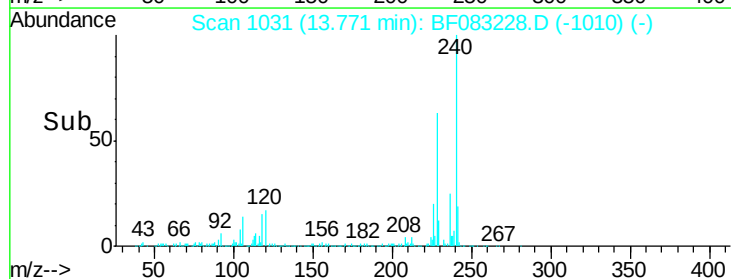
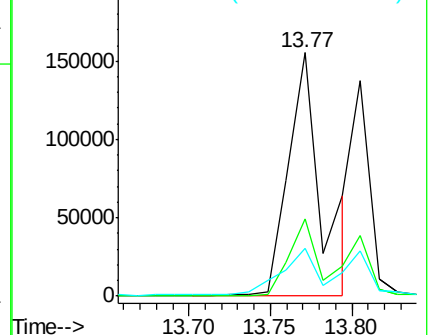
229 19.7 16.6 25.0

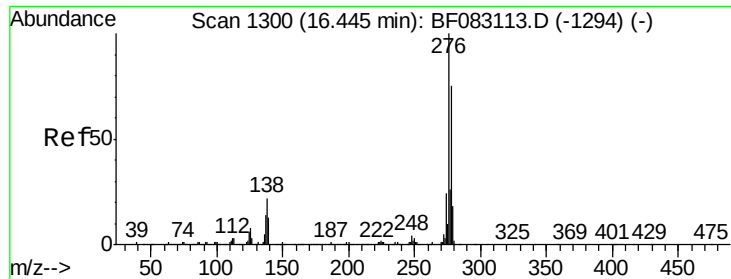


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

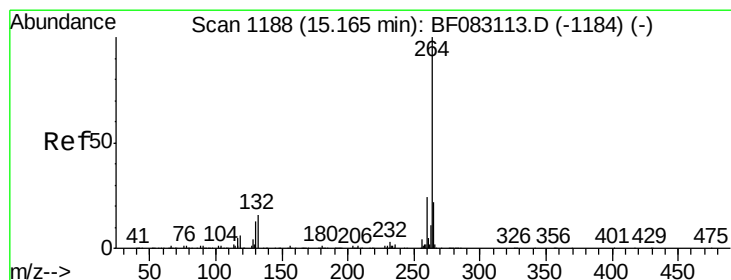
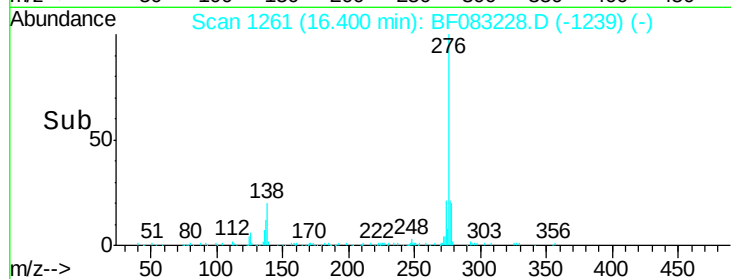
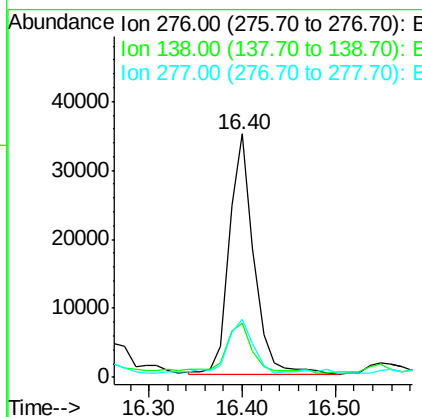
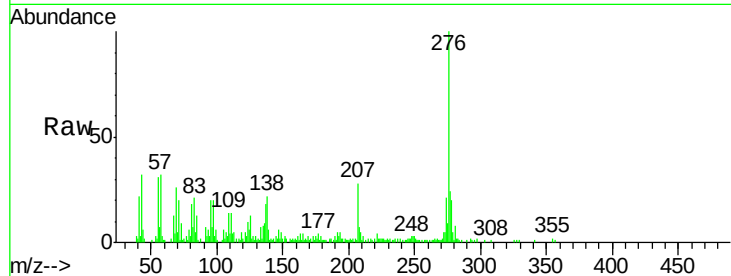




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.58 ng
 RT: 16.40 min Scan# 1261
 Delta R.T. -0.05 min
 Lab File: BF083228.D
 Acq: 24 Nov 2015 3:00

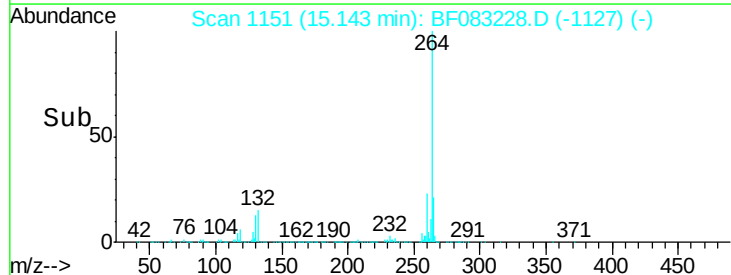
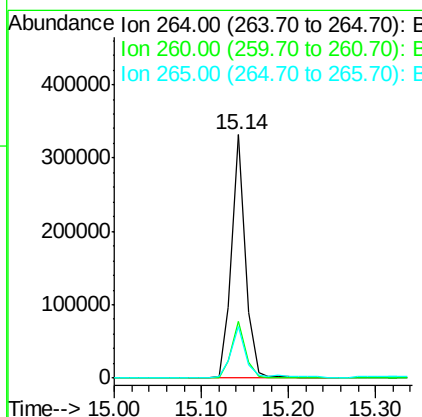
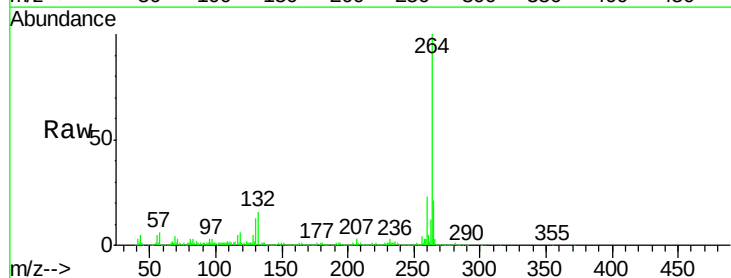
Instrument :
 BNA_F
 ClientSampleId :
 CWC-MISC-2-20151116

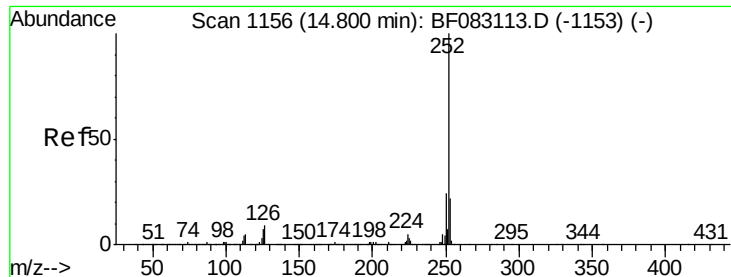
Tgt Ion: 276 Resp: 64567
 Ion Ratio Lower Upper
 276 100
 138 24.0 18.0 27.0
 277 25.0 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.14 min Scan# 1151
 Delta R.T. -0.02 min
 Lab File: BF083228.D
 Acq: 24 Nov 2015 3:00

Tgt Ion: 264 Resp: 371060
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.1 28.7
 265 21.3 18.2 27.4

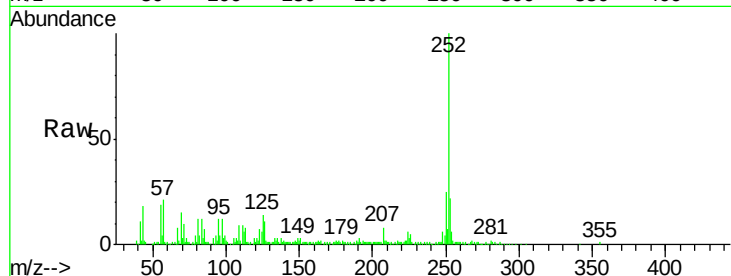




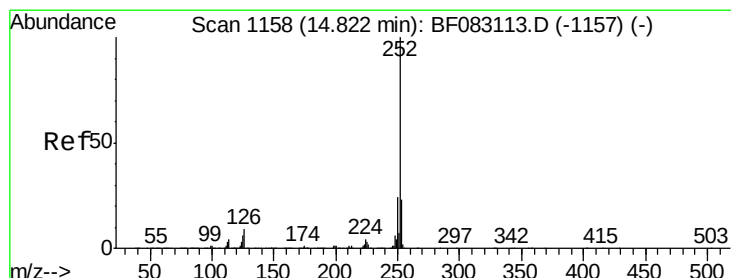
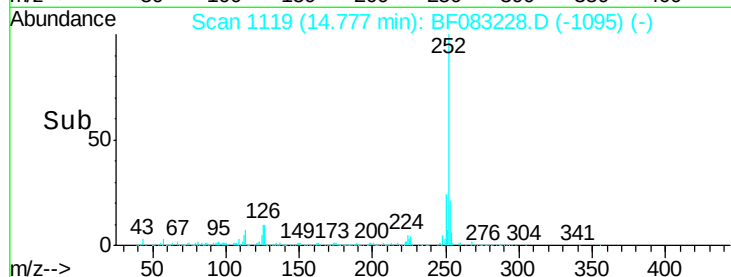
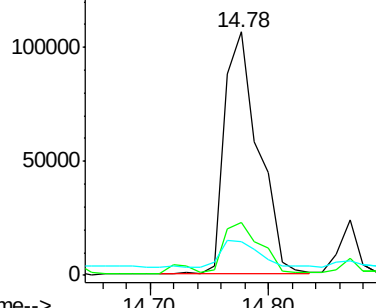
#87
 Benzo(b)fluoranthene
 Concen: 8.33 ng
 RT: 14.78 min Scan# 1119
 Delta R.T. -0.02 min
 Lab File: BF083228.D
 Acq: 24 Nov 2015 3:00

Instrument :
 BNA_F
 ClientSampleId :
 CWC-MISC-2-20151116

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	13.7	5.6	8.4#

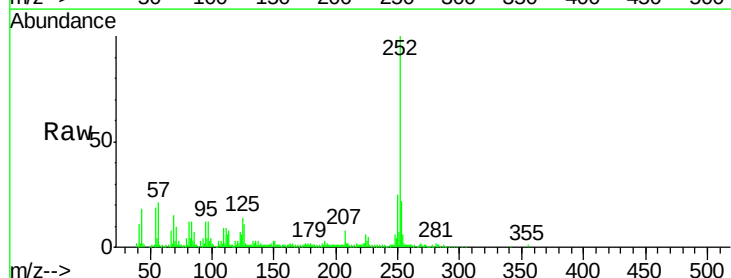


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 253.00 (252.70 to 253.70): E
 Ion 125.00 (124.70 to 125.70): E

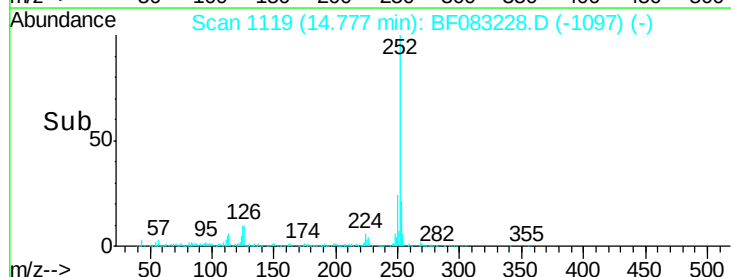
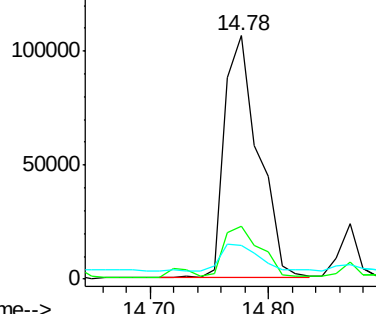


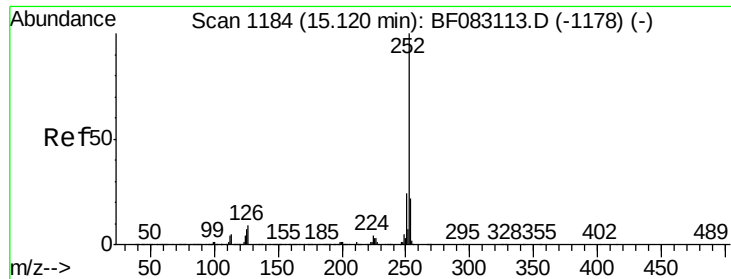
#88
 Benzo(k)fluoranthene
 Concen: 11.18 ng
 RT: 14.78 min Scan# 1119
 Delta R.T. -0.05 min
 Lab File: BF083228.D
 Acq: 24 Nov 2015 3:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.2	27.2
125	13.7	6.8	10.2#



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: 5.09 ng

RT: 15.09 min Scan# 1146

Delta R.T. -0.03 min

Lab File: BF083228.D

Acq: 24 Nov 2015 3:00

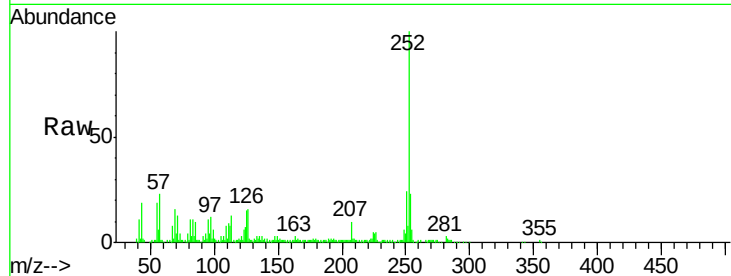
Instrument :

BNA_F

ClientSampleId :

CWC-MISC-2-20151116

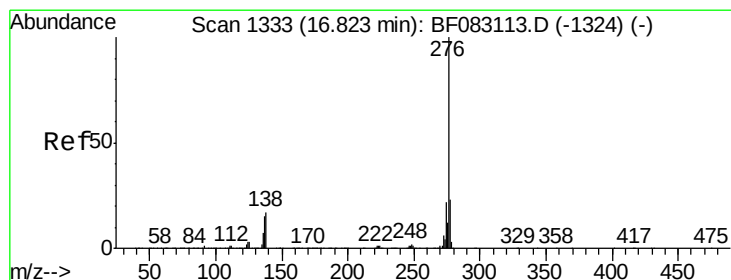
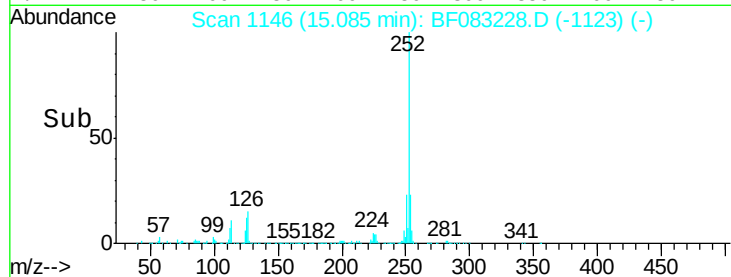
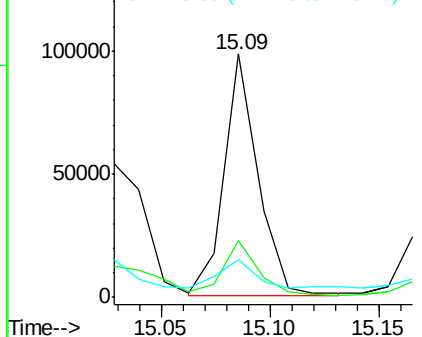
Tgt Ion:	252	Resp:	106537
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.5	26.3
125	15.5	5.4	8.0#



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(g,h,i)perylene

Concen: 2.98 ng

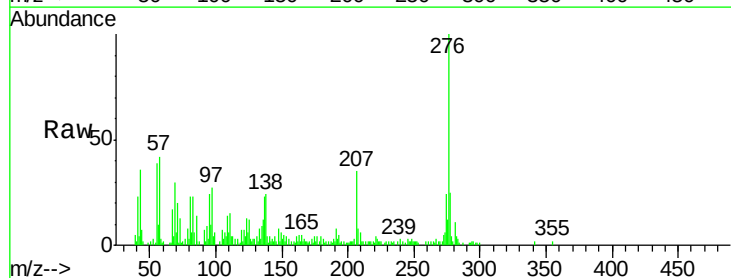
RT: 16.78 min Scan# 1294

Delta R.T. -0.05 min

Lab File: BF083228.D

Acq: 24 Nov 2015 3:00

Tgt Ion:	276	Resp:	55407
Ion Ratio	Lower	Upper	
276	100		
277	25.3	18.7	28.1
138	24.1	13.9	20.9#



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

