

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112315\
 Data File : BF083227.D
 Acq On : 24 Nov 2015 2:30
 Operator : UM/IZ
 Sample : G4453-02RE
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CWC-MISC-1-20151116

Quant Time: Nov 24 04:41:28 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

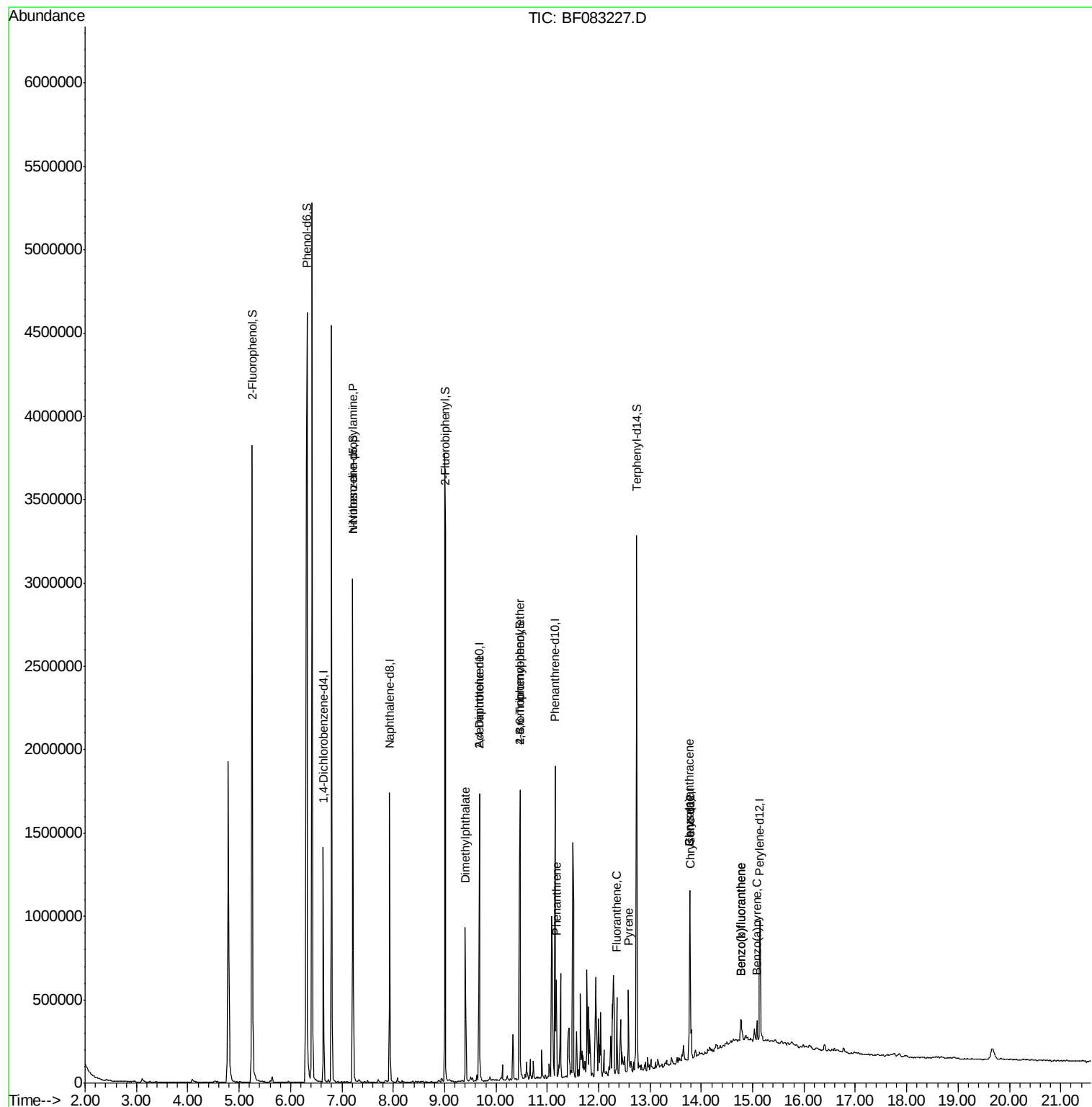
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	200029	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	764078	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	353051	20.00	ng	-0.02
63) Phenanthrene-d10	11.15	188	562454	20.00	ng	-0.02
75) Chrysene-d12	13.78	240	440347	20.00	ng	-0.02
86) Perylene-d12	15.14	264	336782	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1539027	116.32	ng	-0.02
7) Phenol-d6	6.32	99	2206394	128.89	ng	-0.02
23) Nitrobenzene-d5	7.21	82	1079386	64.55	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	255255	70.67	ng	-0.02
44) 2-Fluorobiphenyl	9.02	172	1767705	69.82	ng	-0.01
78) Terphenyl-d14	12.74	244	1265094	67.65	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.32	77	3407	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	7.21	70	145201	12.19 ng	#	80
49) Dimethylphthalate	9.40	163	405861	14.93 ng		99
56) 2,4-Dinitrotoluene	9.68	165	47400	6.13 ng	#	10
66) 4-Bromophenyl-phenylether	10.47	248	17815	2.85 ng	#	1
70) Phenanthrene	11.18	178	181937	5.61 ng		96
74) Fluoranthene	12.35	202	202261	6.10 ng		98
77) Pyrene	12.58	202	194033	6.45 ng		97
80) Benzo(a)anthracene	13.77	228	84586	3.11 ng		97
82) Chrysene	13.77	228	84586	3.35 ng		98
87) Benzo(b)fluoranthene	14.78	252	95351	4.14 ng	#	94
88) Benzo(k)fluoranthene	14.78	252	95351	5.56 ng	#	95
89) Benzo(a)pyrene	15.09	252	46919	2.47 ng	#	92

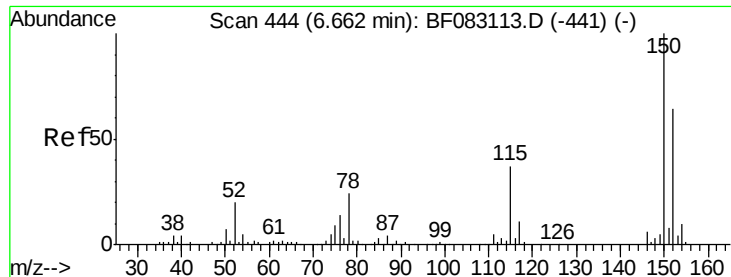
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 24 04:41:28 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 407

Delta R.T. -0.02 min

Lab File: BF083227.D

Acq: 24 Nov 2015 2:30

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-1-20151116

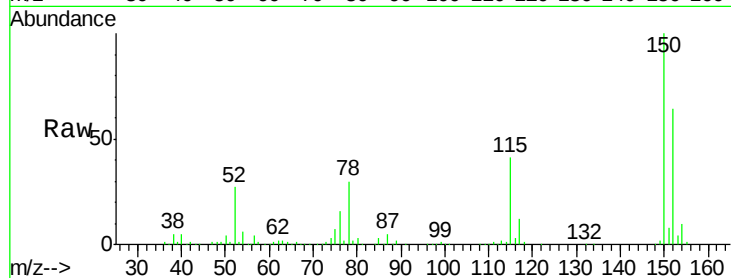
Tgt Ion:152 Resp: 200029

Ion Ratio Lower Upper

152 100

150 156.4 125.8 188.8

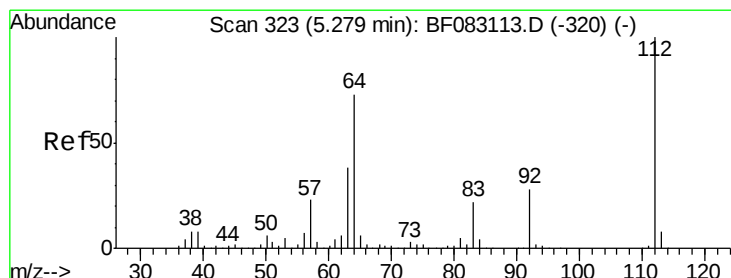
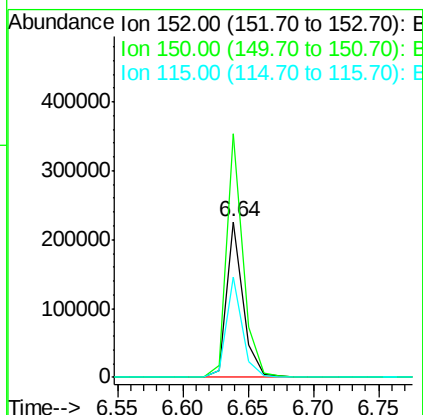
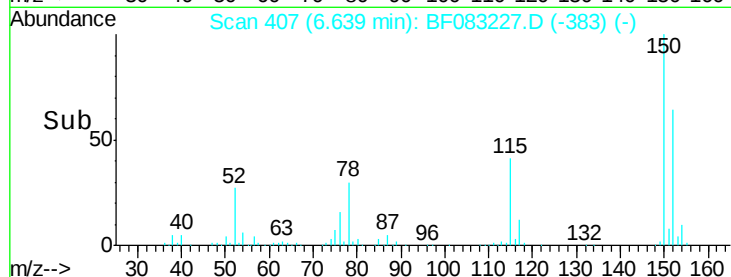
115 64.6 46.9 70.3



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: 116.32 ng

RT: 5.26 min Scan# 286

Delta R.T. -0.02 min

Lab File: BF083227.D

Acq: 24 Nov 2015 2:30

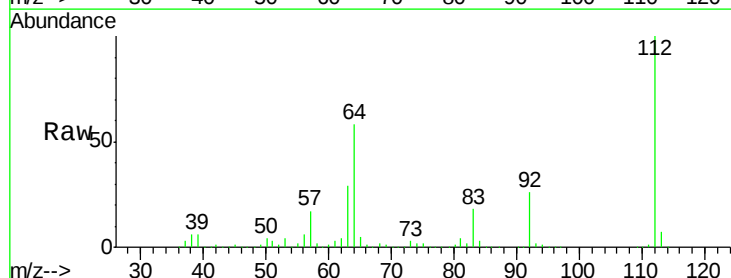
Tgt Ion:112 Resp: 1539027

Ion Ratio Lower Upper

112 100

64 58.2 58.4 87.6#

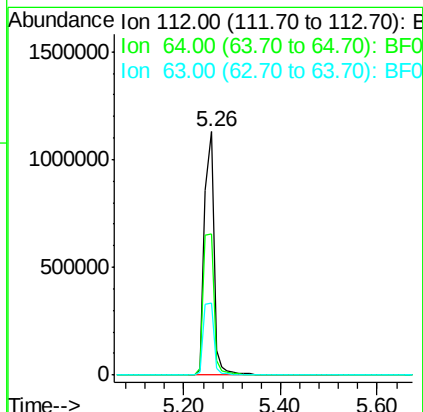
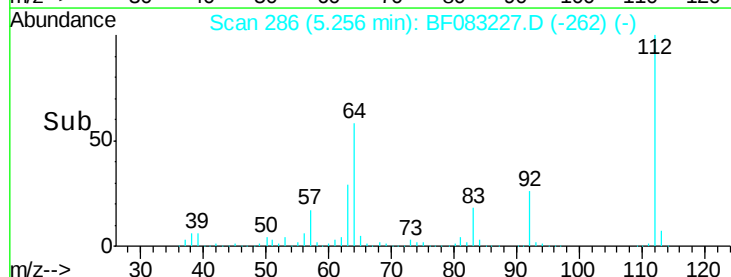
63 29.5 30.0 45.0#

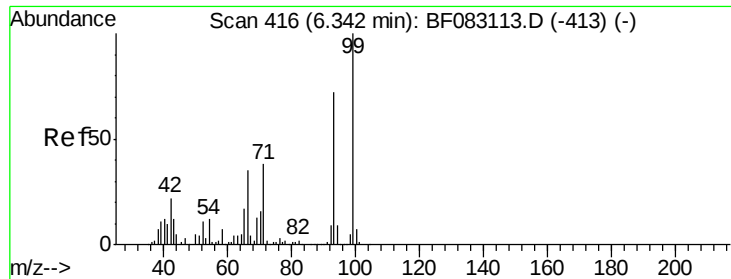


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 128.89 ng

RT: 6.32 min Scan# 379

Delta R.T. -0.02 min

Lab File: BF083227.D

Acq: 24 Nov 2015 2:30

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-1-20151116

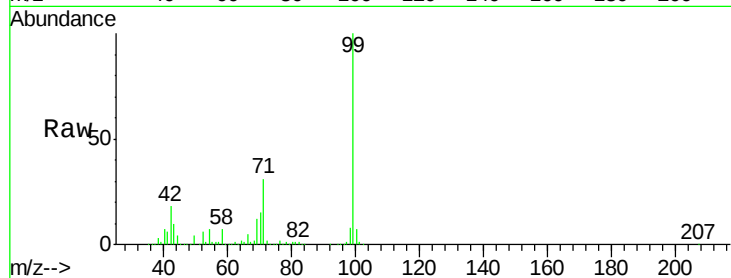
Tgt Ion: 99 Resp: 2206394

Ion Ratio Lower Upper

99 100

42 18.0 17.7 26.5

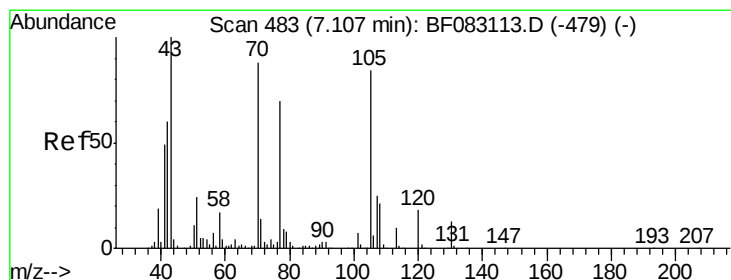
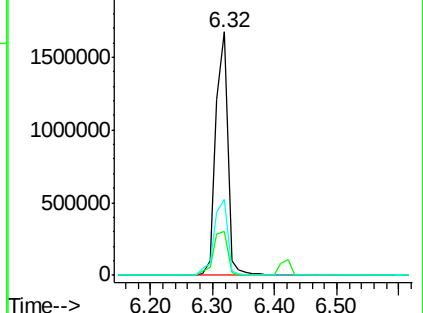
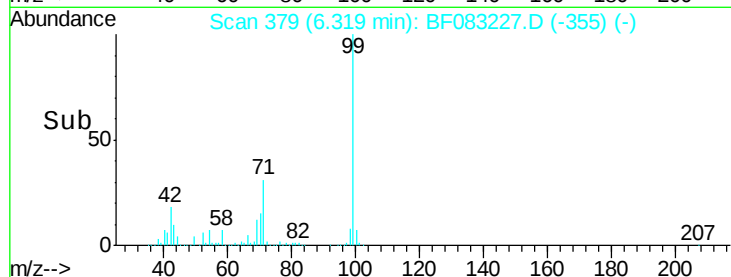
71 31.3 30.2 45.4



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: 12.19 ng

RT: 7.21 min Scan# 457

Delta R.T. 0.10 min

Lab File: BF083227.D

Acq: 24 Nov 2015 2:30

Tgt Ion: 70 Resp: 145201

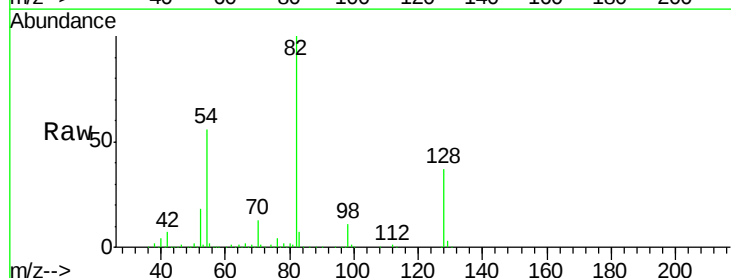
Ion Ratio Lower Upper

70 100

42 54.2 54.5 81.7#

101 0.0 6.6 9.8#

130 2.2 11.5 17.3#

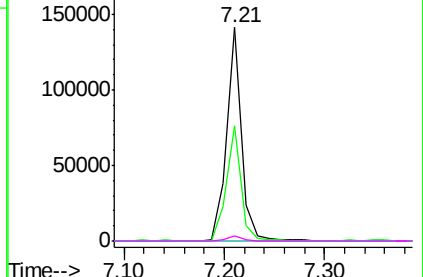
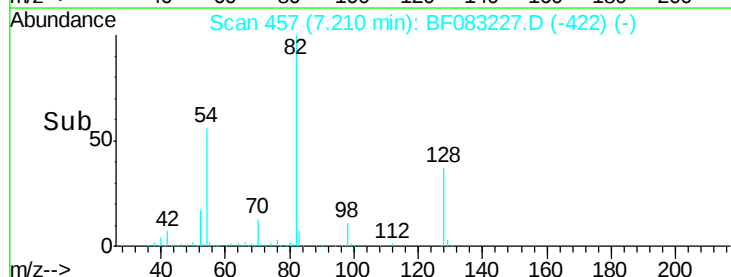


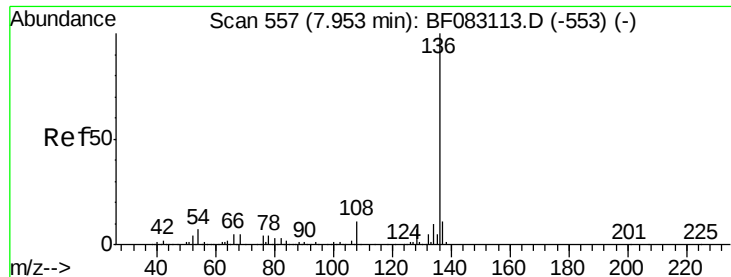
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

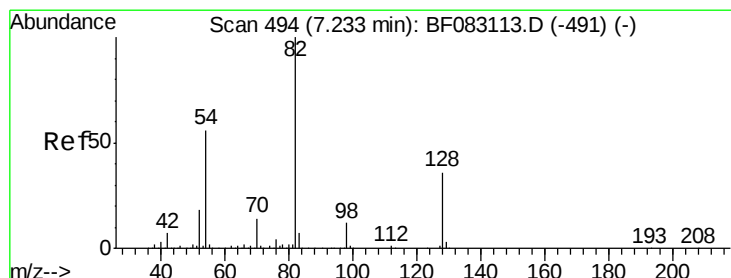
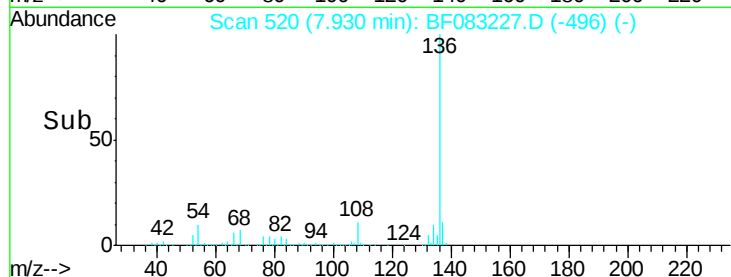
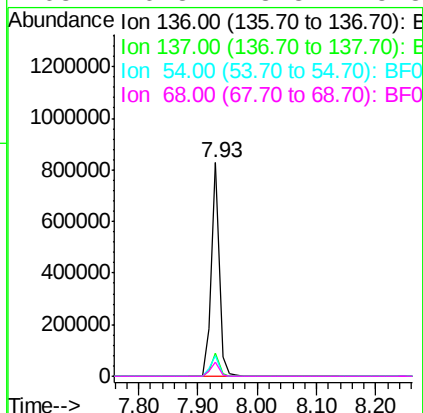
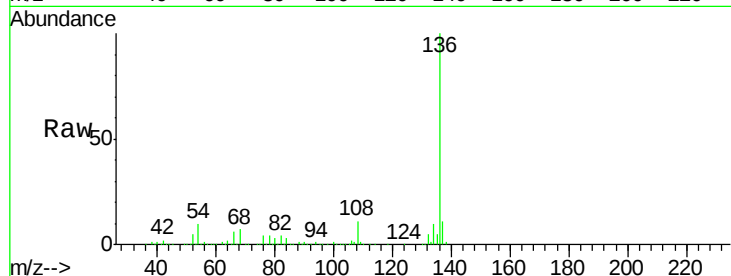




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.93 min Scan# 520
Delta R.T. -0.02 min
Lab File: BF083227.D
Acq: 24 Nov 2015 2:30

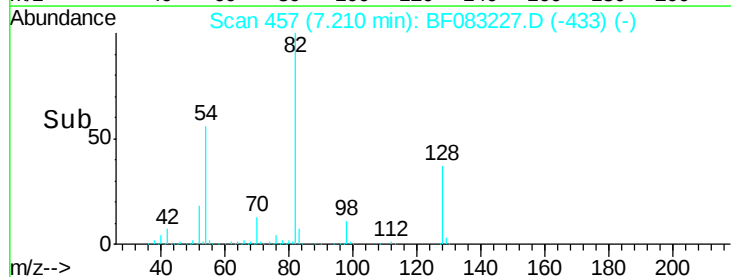
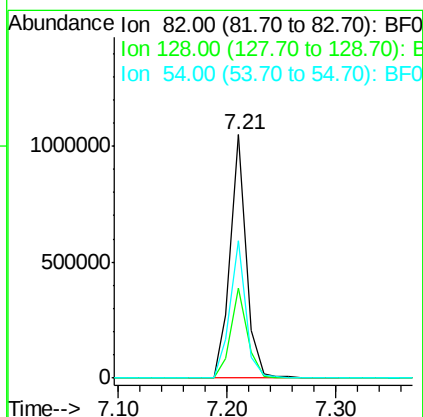
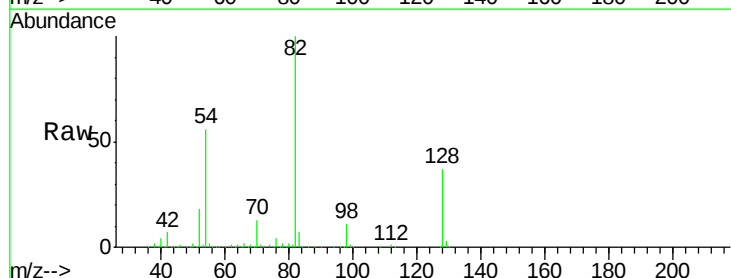
Instrument :
BNA_F
ClientSampleId :
CWC-MISC-1-20151116

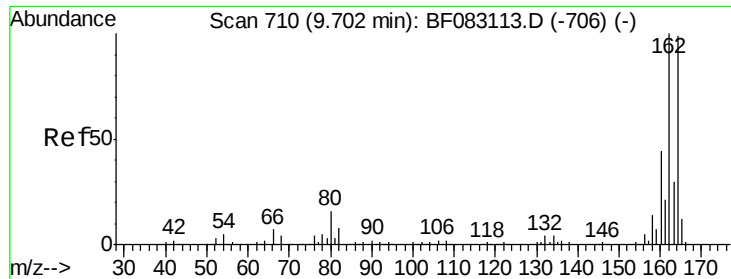
Tgt Ion:	136	Resp:	764078
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	9.5	5.8	8.6#
68	6.8	3.8	5.8#



#23
Nitrobenzene-d5
Concen: 64.55 ng
RT: 7.21 min Scan# 457
Delta R.T. -0.02 min
Lab File: BF083227.D
Acq: 24 Nov 2015 2:30

Tgt Ion:	82	Resp:	1079386
Ion	Ratio	Lower	Upper
82	100		
128	37.0	28.5	42.7
54	56.4	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: BF083227.D

Acq: 24 Nov 2015 2:30

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-1-20151116

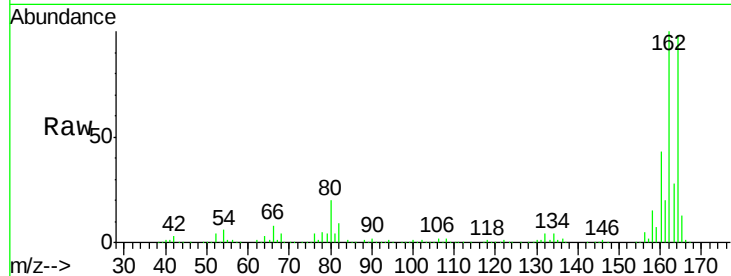
Tgt Ion:164 Resp: 353051

Ion Ratio Lower Upper

164 100

162 101.9 81.2 121.8

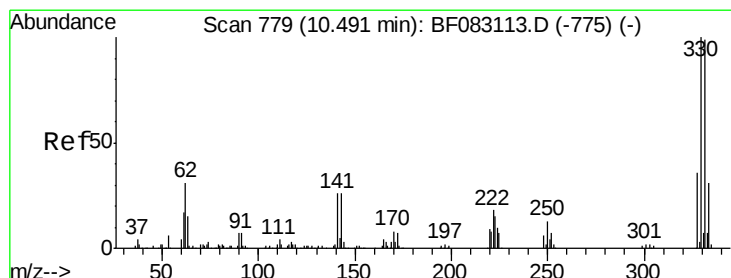
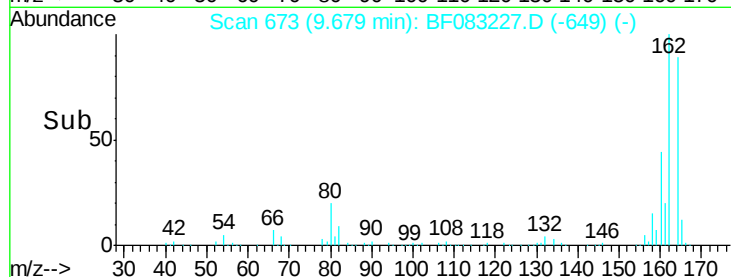
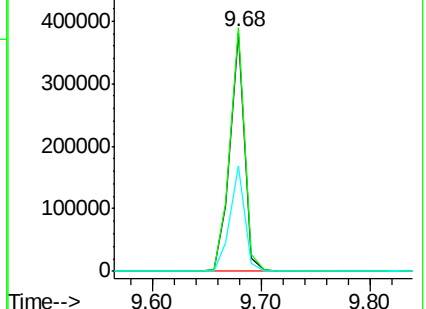
160 44.3 35.6 53.4



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: 70.67 ng

RT: 10.47 min Scan# 742

Delta R.T. -0.02 min

Lab File: BF083227.D

Acq: 24 Nov 2015 2:30

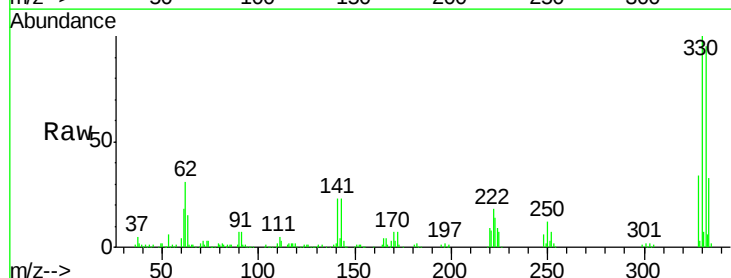
Tgt Ion:330 Resp: 255255

Ion Ratio Lower Upper

330 100

332 95.3 77.7 116.5

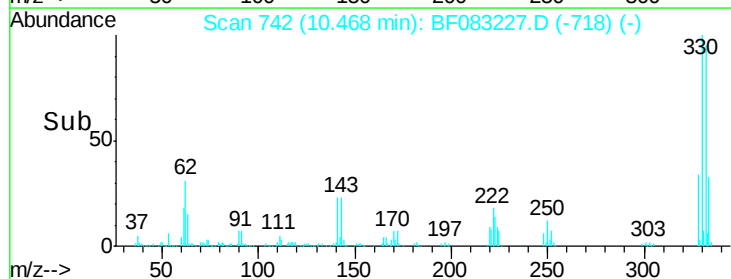
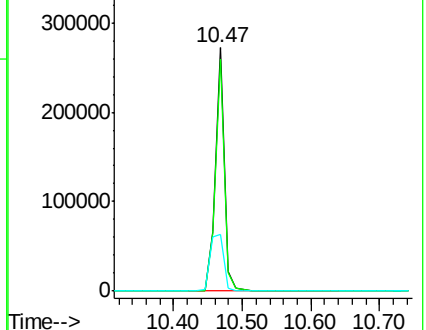
141 35.3 29.7 44.5

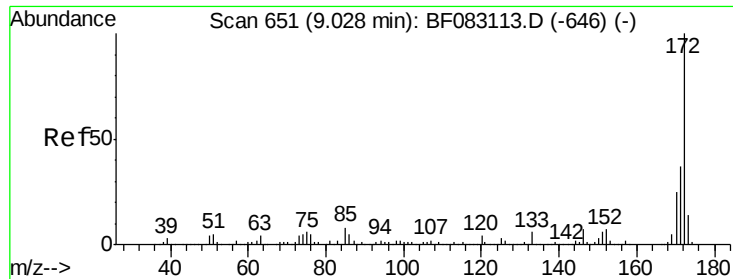


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

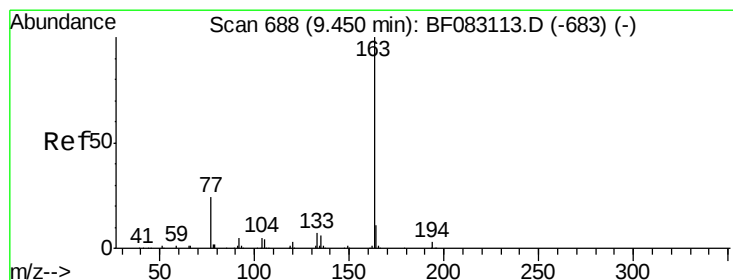
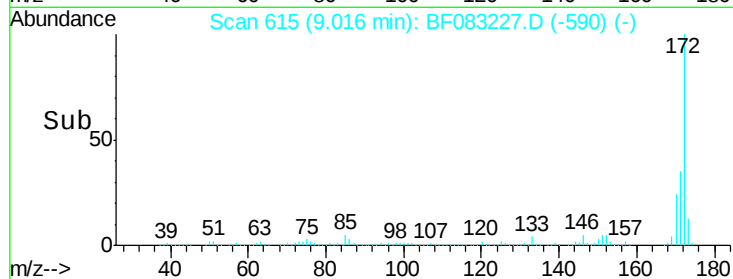
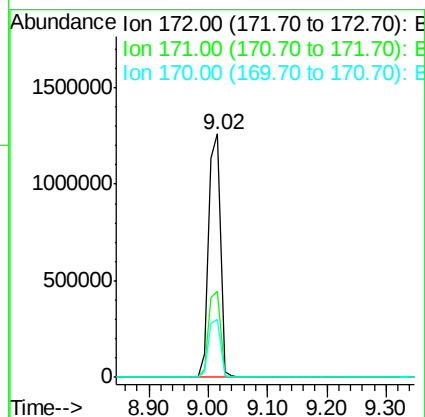
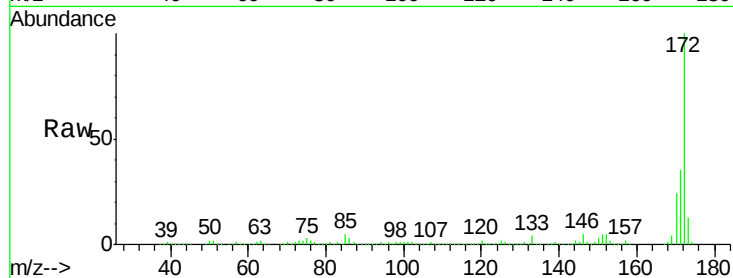




#44
 2-Fluorobiphenyl
 Concen: 69.82 ng
 RT: 9.02 min Scan# 615
 Delta R.T. -0.01 min
 Lab File: BF083227.D
 Acq: 24 Nov 2015 2:30

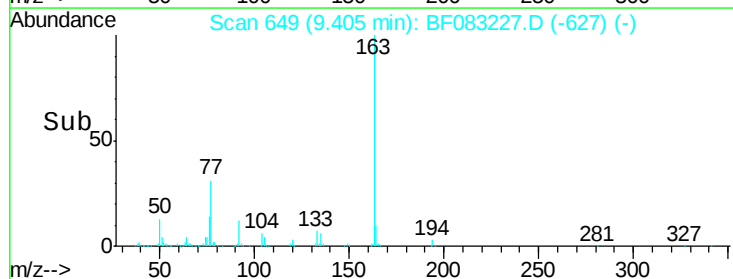
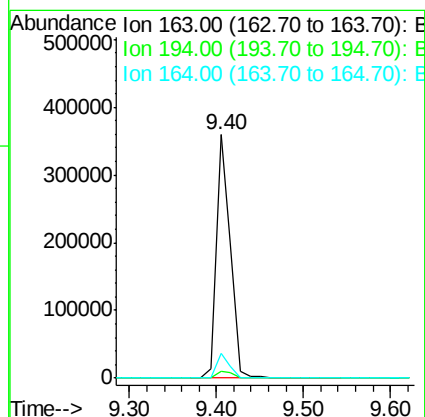
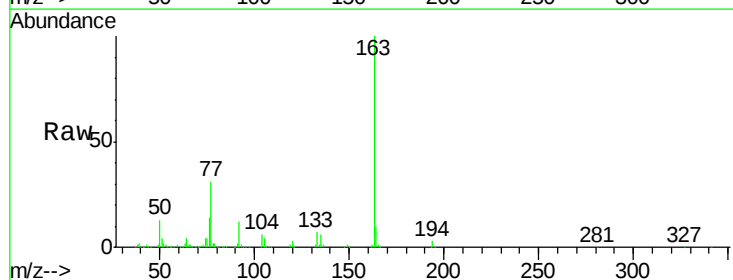
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 BNA_F
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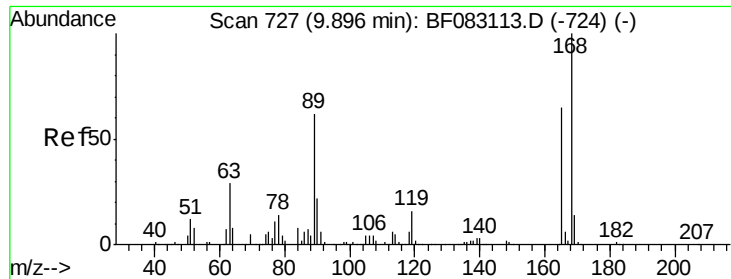
Tgt Ion:172 Resp: 1767705
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.5 44.3
 170 23.9 19.9 29.9



#49
 Dimethylphthalate
 Concen: 14.93 ng
 RT: 9.40 min Scan# 649
 Delta R.T. -0.05 min
 Lab File: BF083227.D
 Acq: 24 Nov 2015 2:30

Tgt Ion:163 Resp: 405861
 Ion Ratio Lower Upper
 163 100
 194 3.0 2.6 4.0
 164 10.2 8.6 12.8

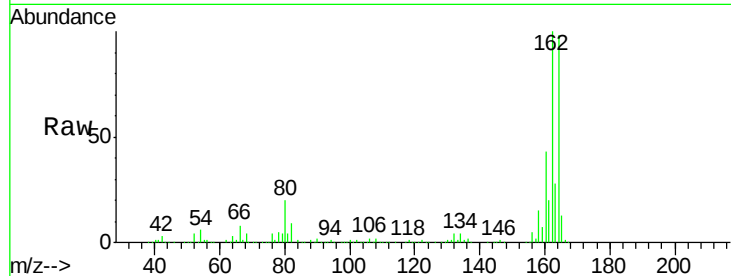




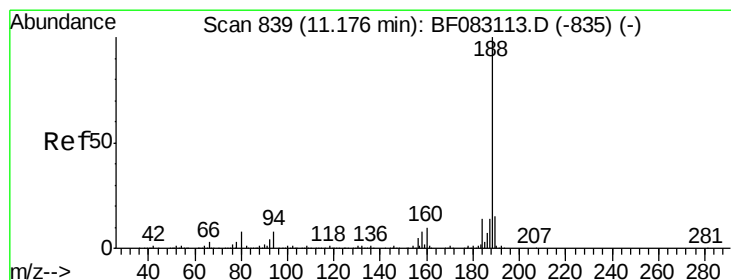
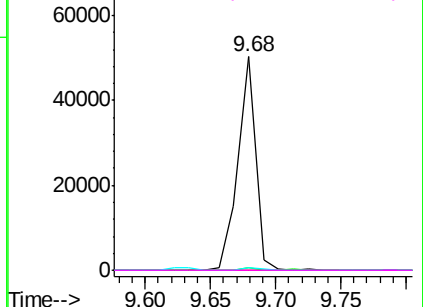
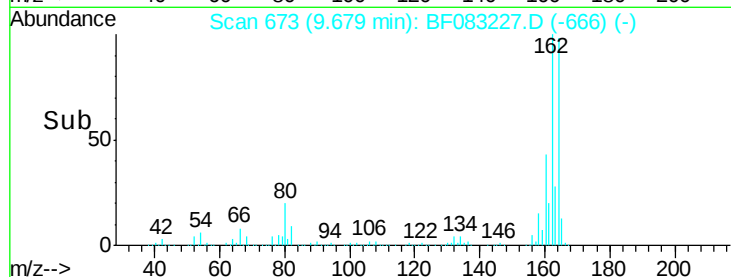
#56
2,4-Dinitrotoluene
Concen: 6.13 ng
RT: 9.68 min Scan# 673
Delta R.T. -0.22 min
Lab File: BF083227.D
Acq: 24 Nov 2015 2:30

Instrument :
BNA_F
ClientSampleId :
CWC-MISC-1-20151116

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	54.5	81.7#
89	1.3	77.3	115.9#
182	0.0	1.8	2.6#

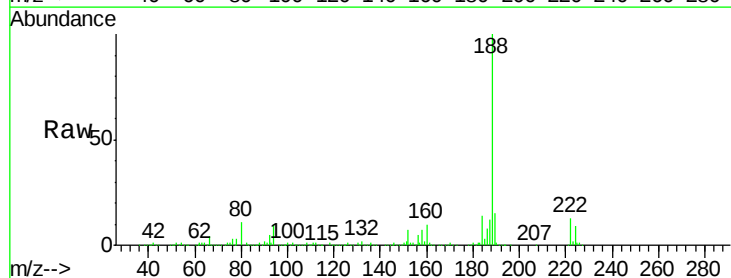


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

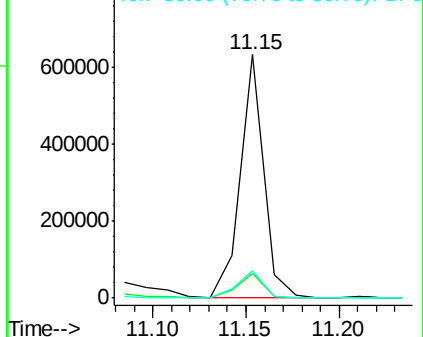
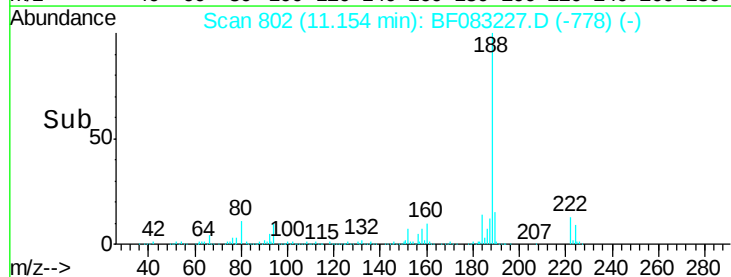


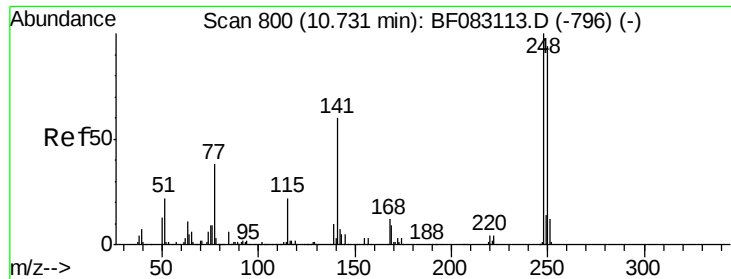
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.15 min Scan# 802
Delta R.T. -0.02 min
Lab File: BF083227.D
Acq: 24 Nov 2015 2:30

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	6.0	9.0#
80	11.0	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

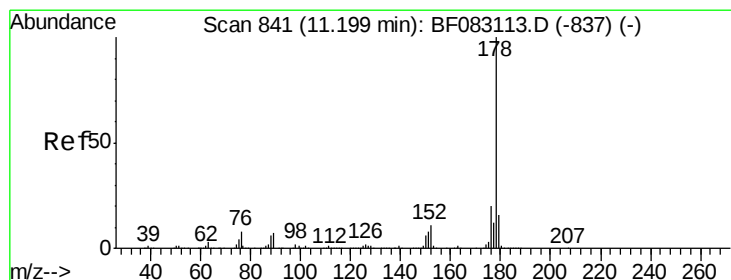
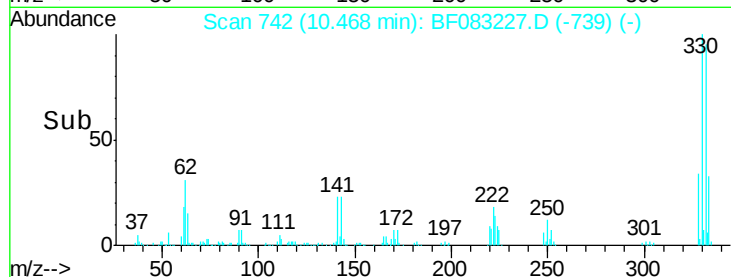
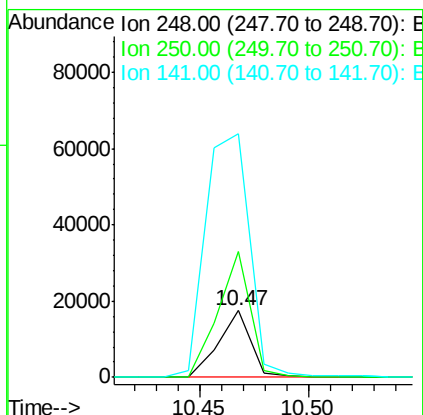
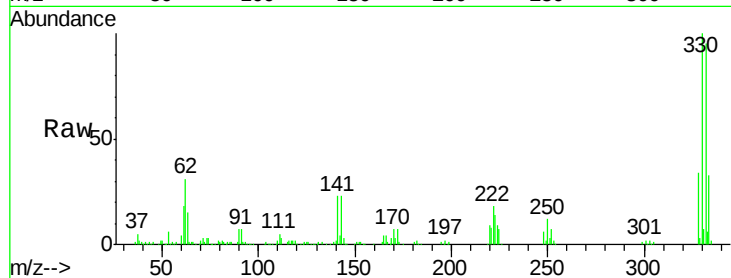




#66
4-Bromophenyl-phenylether
Concen: 2.85 ng
RT: 10.47 min Scan# 742
Delta R.T. -0.26 min
Lab File: BF083227.D
Acq: 24 Nov 2015 2:30

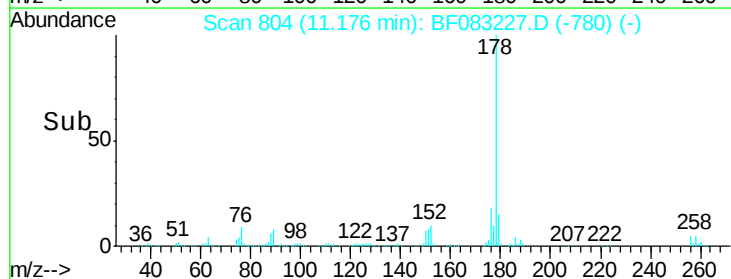
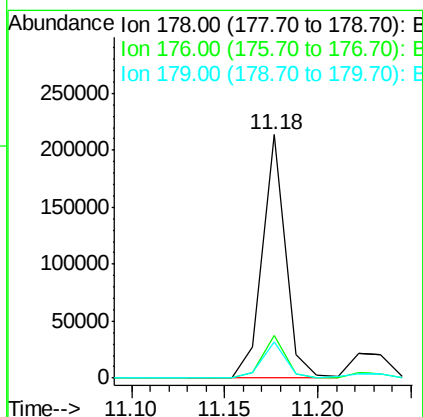
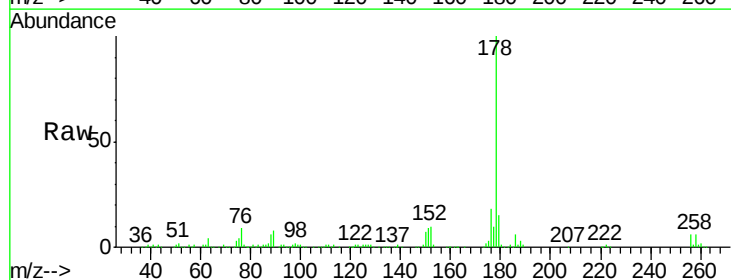
Instrument :
BNA_F
ClientSampleId :
CWC-MISC-1-20151116

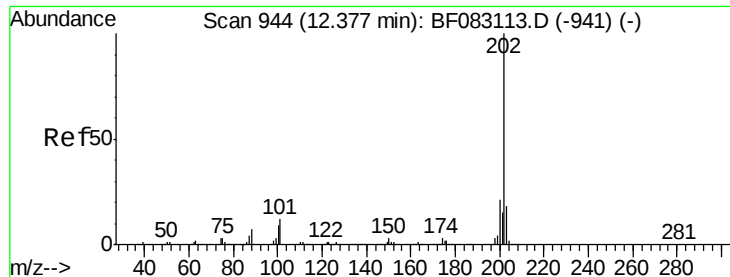
Tgt Ion:248 Resp: 17815
Ion Ratio Lower Upper
248 100
250 190.0 75.4 113.2#
141 366.1 48.1 72.1#



#70
Phenanthrene
Concen: 5.61 ng
RT: 11.18 min Scan# 804
Delta R.T. -0.02 min
Lab File: BF083227.D
Acq: 24 Nov 2015 2:30

Tgt Ion:178 Resp: 181937
Ion Ratio Lower Upper
178 100
176 17.6 16.2 24.2
179 15.1 12.8 19.2





#74

Fluoranthene

Concen: 6.10 ng

RT: 12.35 min Scan# 907

Delta R.T. -0.02 min

Lab File: BF083227.D

Acq: 24 Nov 2015 2:30

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-1-20151116

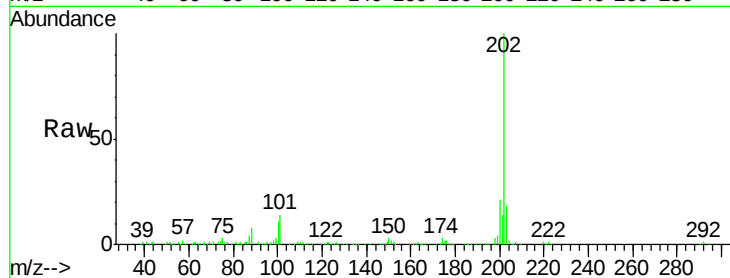
Tgt Ion:202 Resp: 202261

Ion Ratio Lower Upper

202 100

101 13.8 0.0 32.3

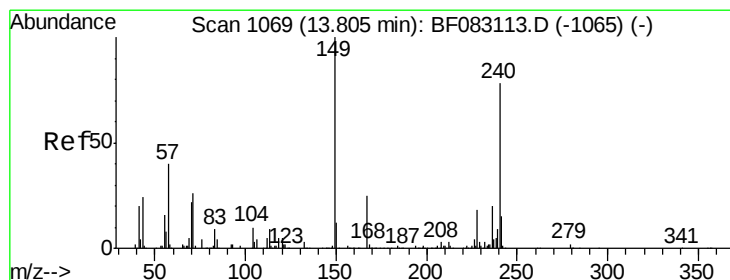
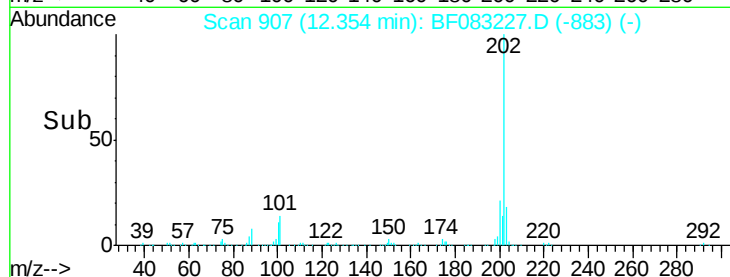
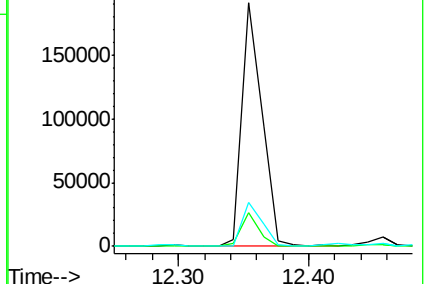
203 17.8 0.0 38.4



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: BF083227.D

Acq: 24 Nov 2015 2:30

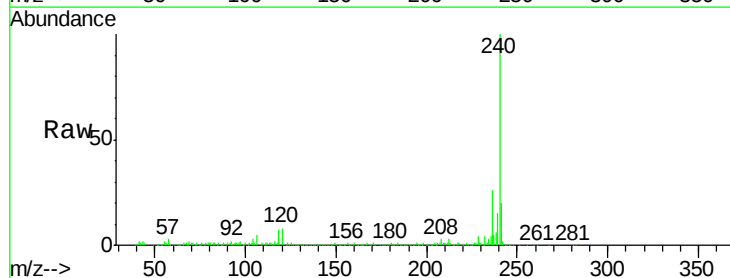
Tgt Ion:240 Resp: 440347

Ion Ratio Lower Upper

240 100

120 7.5 5.4 8.2

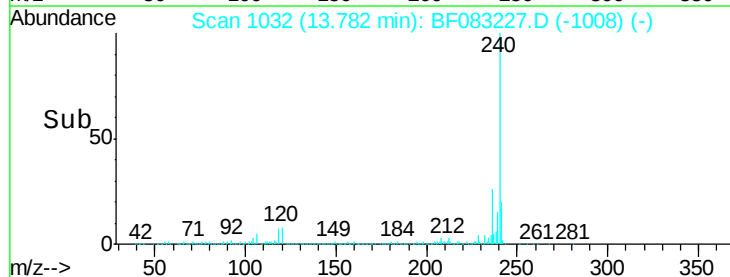
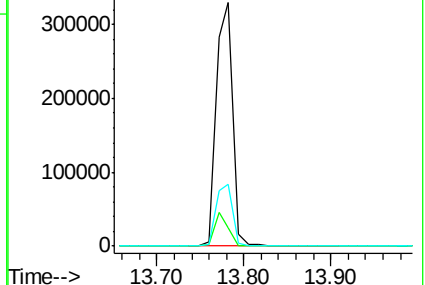
236 25.6 20.6 31.0

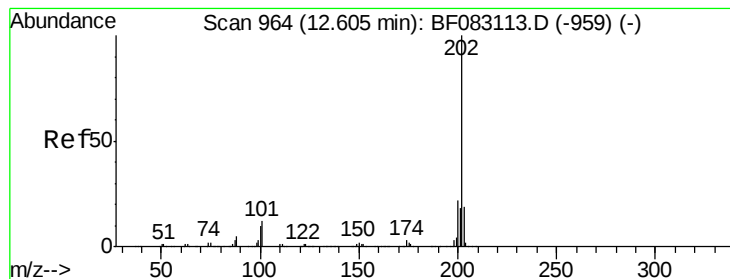


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 6.45 ng

RT: 12.58 min Scan# 927

Delta R.T. -0.02 min

Lab File: BF083227.D

Acq: 24 Nov 2015 2:30

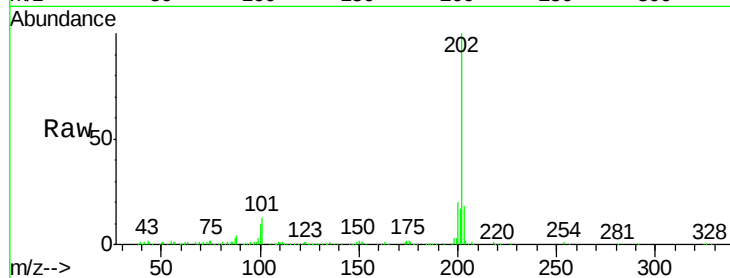
Instrument :

BNA_F

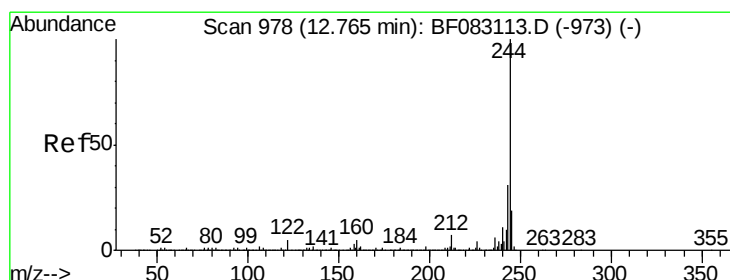
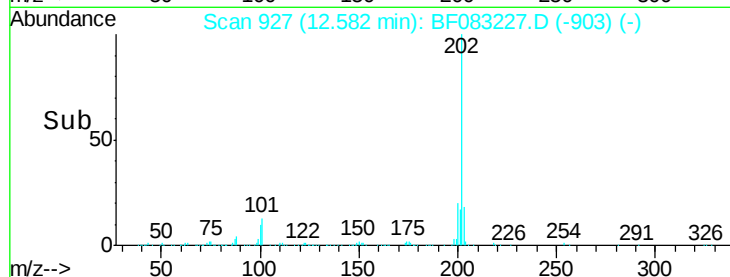
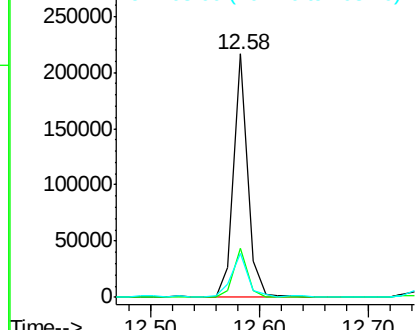
ClientSampleId :

CWC-MISC-1-20151116

Tgt Ion:	202	Resp:	194033
Ion	Ratio	Lower	Upper
202	100		
200	20.0	17.8	26.6
203	18.0	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: 67.65 ng

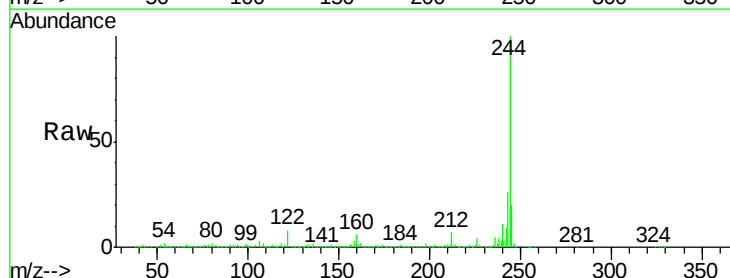
RT: 12.74 min Scan# 941

Delta R.T. -0.02 min

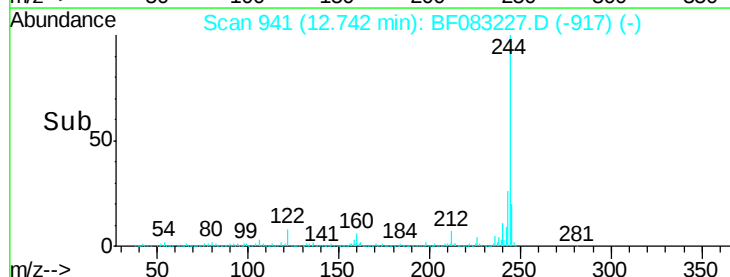
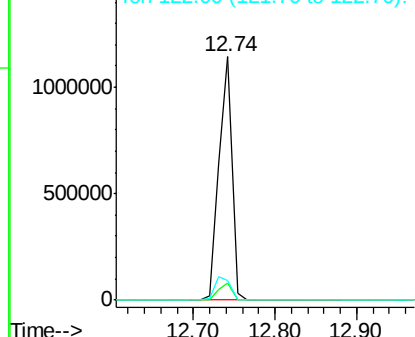
Lab File: BF083227.D

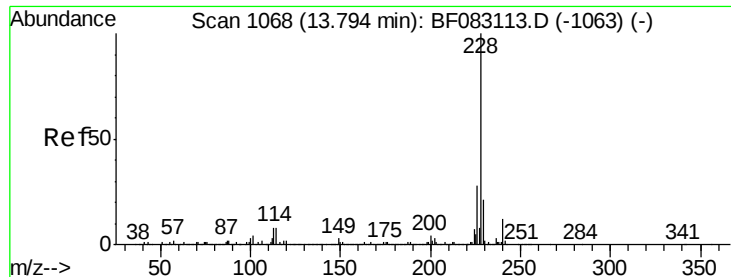
Acq: 24 Nov 2015 2:30

Tgt Ion:	244	Resp:	1265094
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.2
122	8.0	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

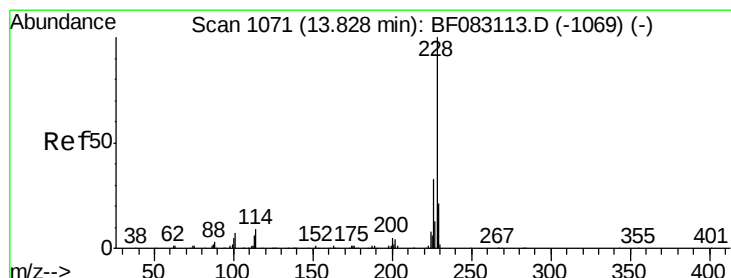
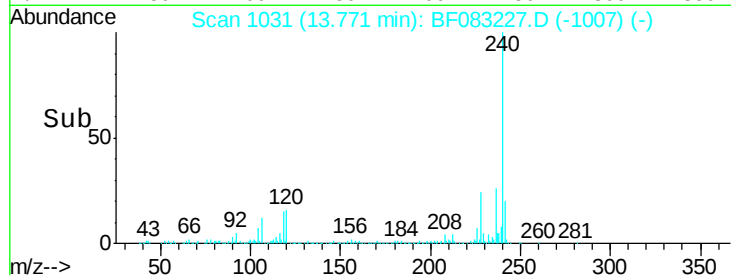
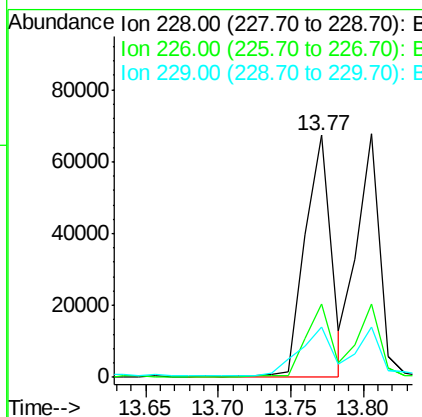
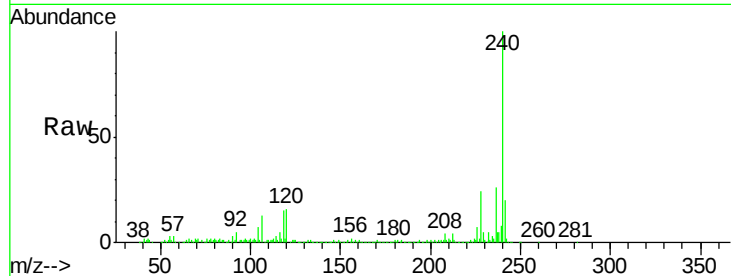




#80
Benzo(a)anthracene
Concen: 3.11 ng
RT: 13.77 min Scan# 1031
Delta R.T. -0.02 min
Lab File: BF083227.D
Acq: 24 Nov 2015 2:30

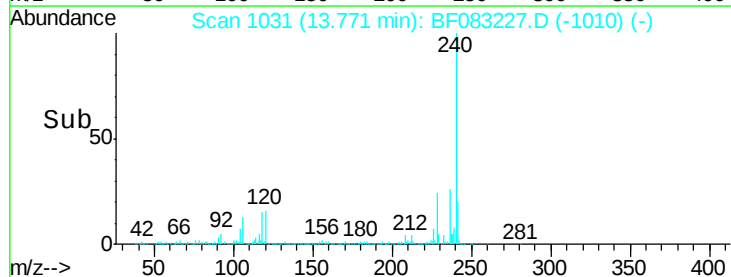
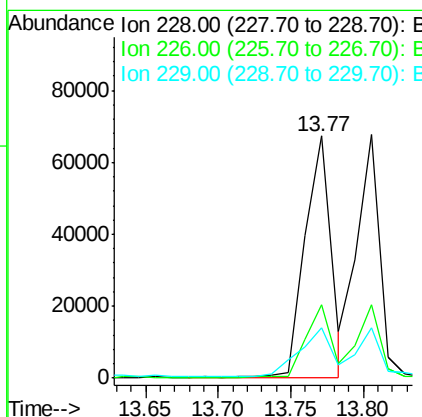
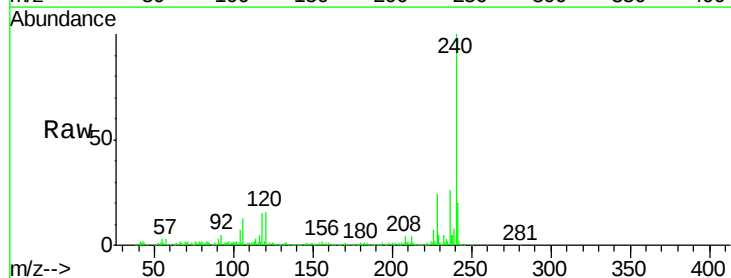
Instrument :
BNA_F
ClientSampleId :
CWC-MISC-1-20151116

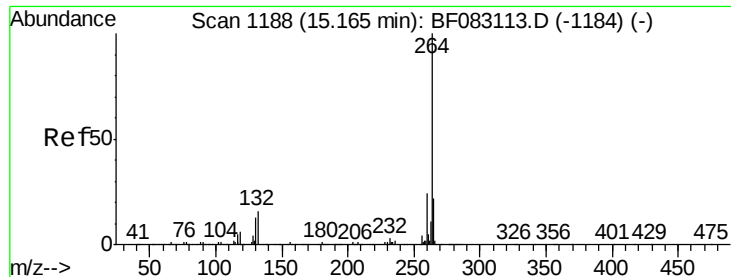
Tgt Ion:228 Resp: 84586
Ion Ratio Lower Upper
228 100
226 30.6 22.6 33.8
229 21.1 16.6 24.8



#82
Chrysene
Concen: 3.35 ng
RT: 13.77 min Scan# 1031
Delta R.T. -0.06 min
Lab File: BF083227.D
Acq: 24 Nov 2015 2:30

Tgt Ion:228 Resp: 84586
Ion Ratio Lower Upper
228 100
226 30.6 25.5 38.3
229 21.1 16.6 25.0

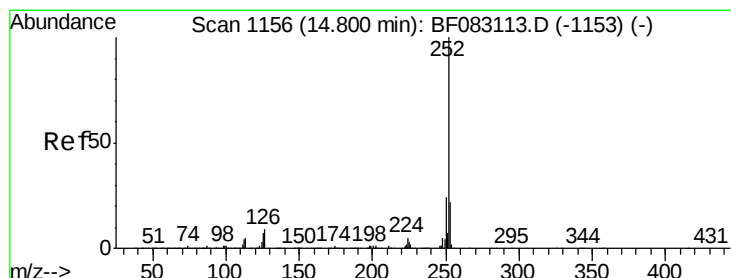
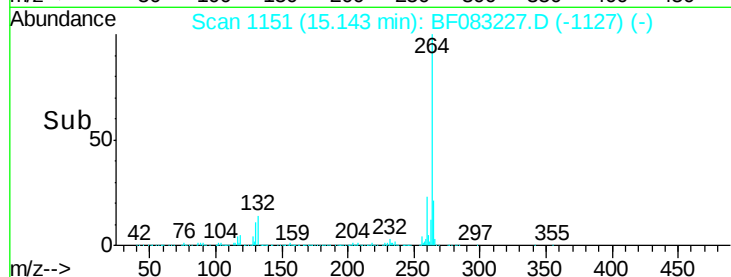
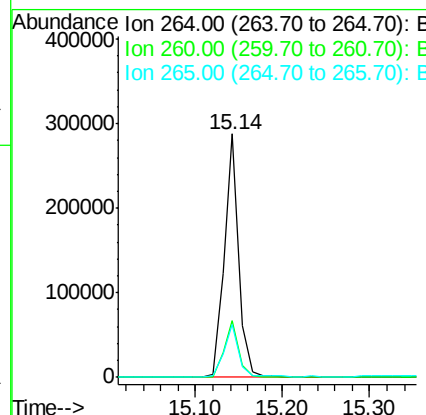
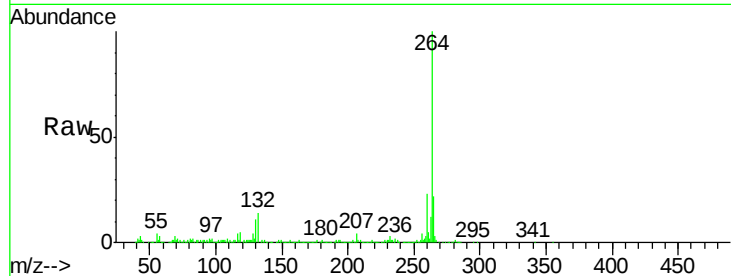




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.14 min Scan# 1151
Delta R.T. -0.02 min
Lab File: BF083227.D
Acq: 24 Nov 2015 2:30

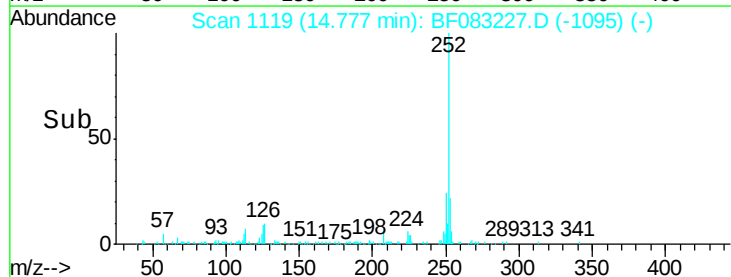
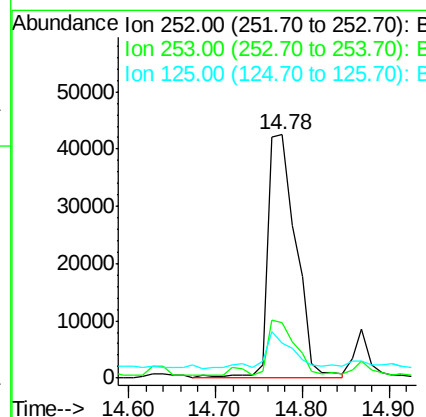
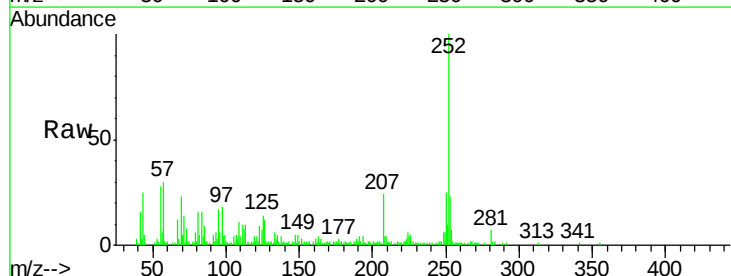
Instrument :
BNA_F
ClientSampleId :
CWC-MISC-1-20151116

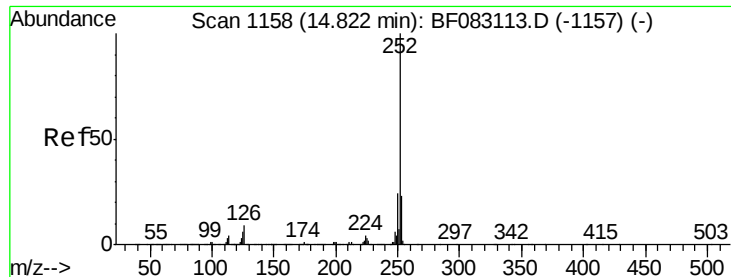
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.1	28.7
265	21.5	18.2	27.4



#87
Benzo(b)fluoranthene
Concen: 4.14 ng
RT: 14.78 min Scan# 1119
Delta R.T. -0.02 min
Lab File: BF083227.D
Acq: 24 Nov 2015 2:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.7	26.5
125	14.5	5.6	8.4#





#88

Benzo(k)fluoranthene

Concen: 5.56 ng

RT: 14.78 min Scan# 1119

Delta R.T. -0.05 min

Lab File: BF083227.D

Acq: 24 Nov 2015 2:30

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-1-20151116

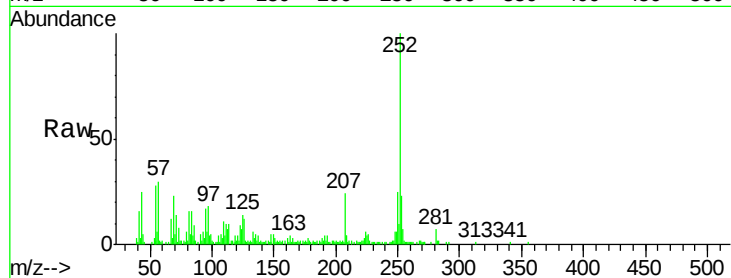
Tgt Ion:252 Resp: 95351

Ion Ratio Lower Upper

252 100

253 22.7 18.2 27.2

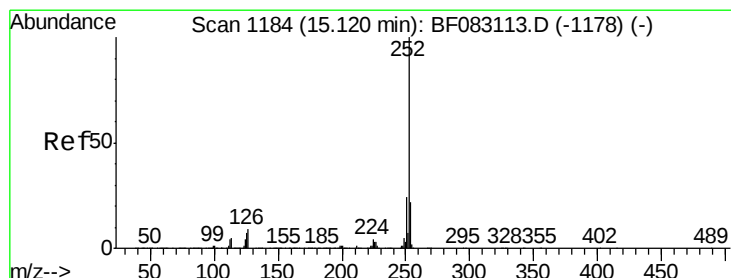
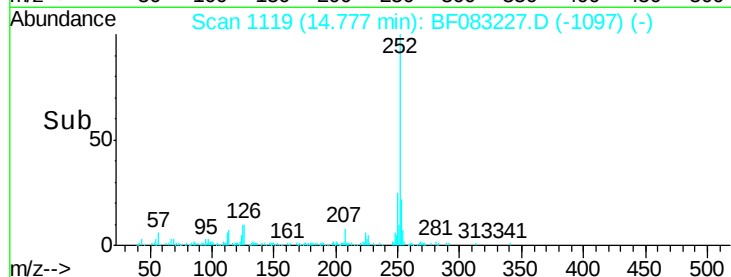
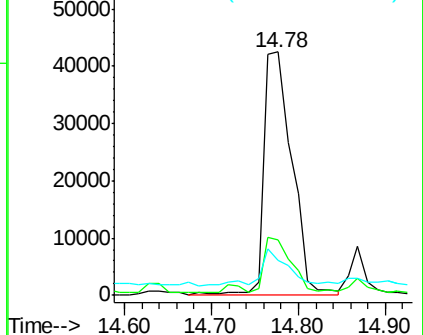
125 14.5 6.8 10.2#



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: 2.47 ng

RT: 15.09 min Scan# 1146

Delta R.T. -0.03 min

Lab File: BF083227.D

Acq: 24 Nov 2015 2:30

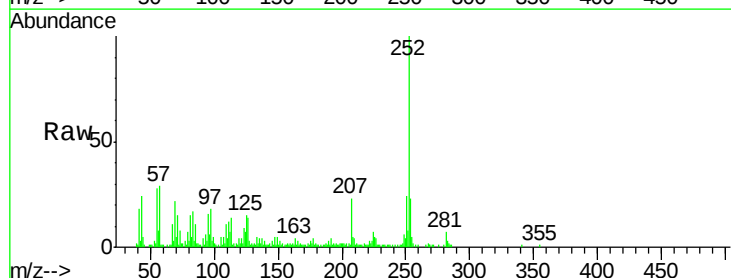
Tgt Ion:252 Resp: 46919

Ion Ratio Lower Upper

252 100

253 23.4 17.5 26.3

125 14.7 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

