

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102715\
 Data File : BF082565.D
 Acq On : 28 Oct 2015 00:07
 Operator : UM/IZ
 Sample : G4168-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CWC-3-20151026

Quant Time: Oct 28 01:15:09 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 27 02:43:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	83578	20.00	ng	-0.02
21) Naphthalene-d8	8.00	136	312415	20.00	ng	-0.02
38) Acenaphthene-d10	9.75	164	150873	20.00	ng	-0.02
63) Phenanthrene-d10	11.23	188	268912	20.00	ng	-0.02
75) Chrysene-d12	13.88	240	165297	20.00	ng	-0.03
86) Perylene-d12	15.28	264	168174	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	585646	138.33	ng	0.01
7) Phenol-d6	6.38	99	787200	142.66	ng	0.00
23) Nitrobenzene-d5	7.29	82	514999	106.35	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	137681	121.86	ng	-0.02
44) 2-Fluorobiphenyl	9.07	172	816738	86.08	ng	-0.02
78) Terphenyl-d14	12.82	244	599572	104.50	ng	-0.02

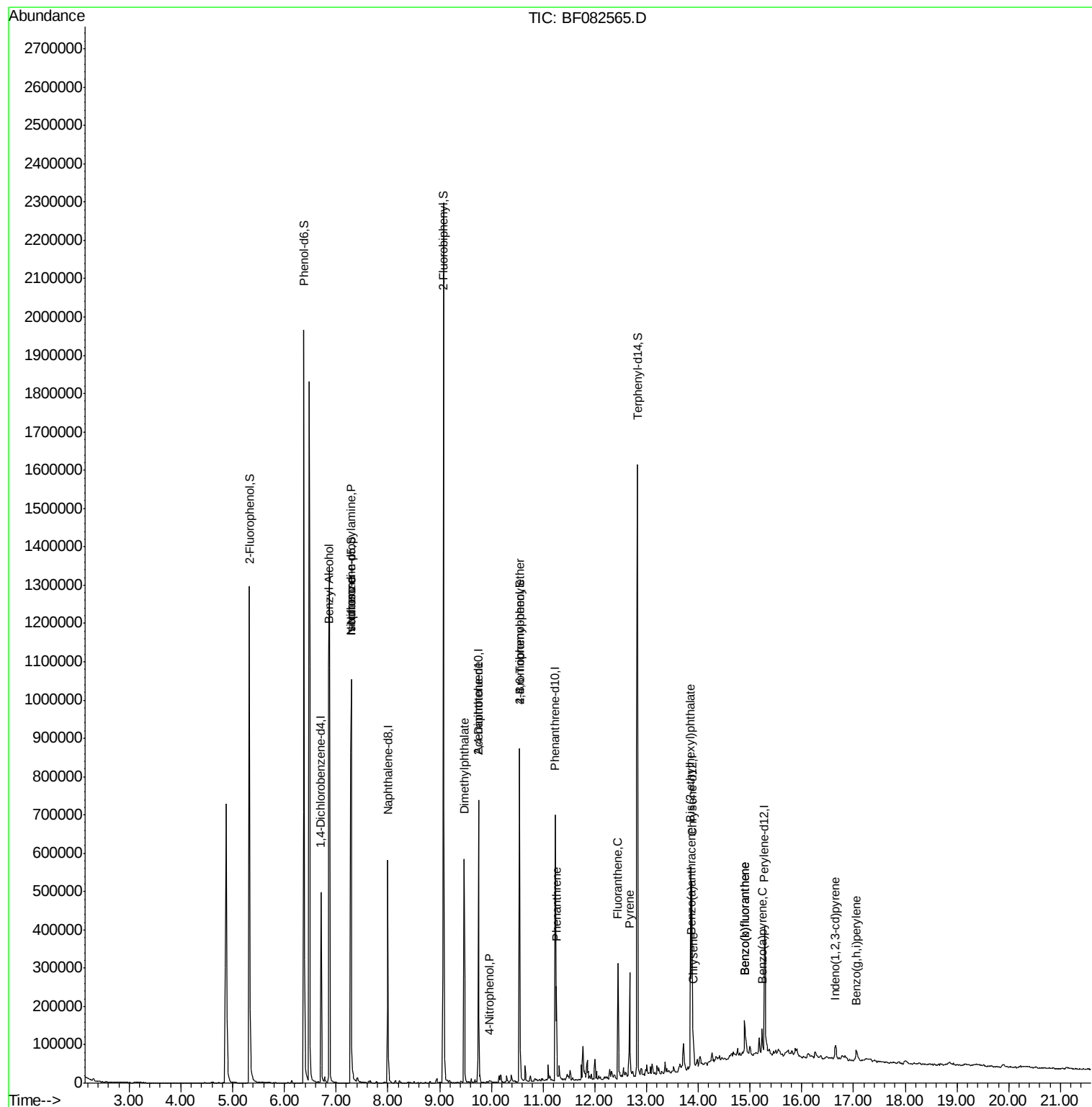
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.38	77	1064	Below Cal	#	3
15) Benzyl Alcohol	6.86	79	7722	2.01	ng	55
19) n-Nitroso-di-n-propylamine	7.29	70	68044	18.93	ng	74
25) Isophorone	7.29	82	496633	51.62	ng	64
49) Dimethylphthalate	9.47	163	299004	28.48	ng	99
55) 4-Nitrophenol	9.97	139	988	7.35	ng	11
56) 2,4-Dinitrotoluene	9.75	165	19447	6.97	ng	11
66) 4-Bromophenyl-phenylether	10.55	248	10419	4.13	ng	1
70) Phenanthrene	11.26	178	94399	6.82	ng	99
74) Fluoranthene	12.45	202	122381	8.61	ng	98
77) Pyrene	12.68	202	117239	11.53	ng	97
80) Benzo(a)anthracene	13.86	228	49610	5.60	ng	99
82) Chrysene	13.90	228	37850	4.52	ng	98
83) Bis(2-ethylhexyl)phthalate	13.85	149	154054	26.91	ng	97
85) Indeno(1,2,3-cd)pyrene	16.65	276	24346	3.17	ng	97
87) Benzo(b)fluoranthene	14.89	252	66901	6.70	ng	93
88) Benzo(k)fluoranthene	14.89	252	66901	8.22	ng	95
89) Benzo(a)pyrene	15.24	252	36936	4.27	ng	93
91) Benzo(g,h,i)perylene	17.05	276	23333	3.26	ng	92

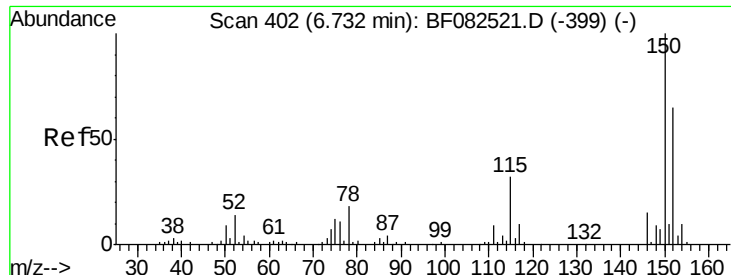
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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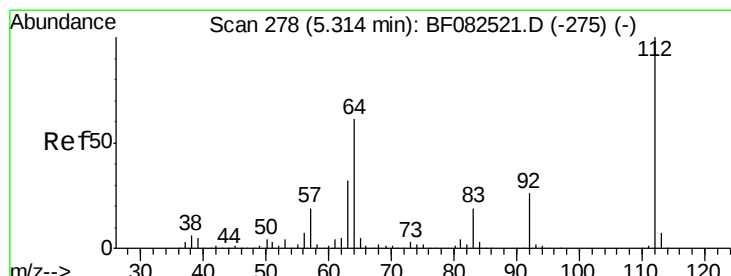
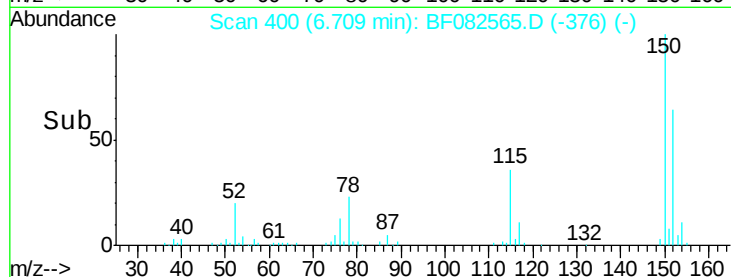
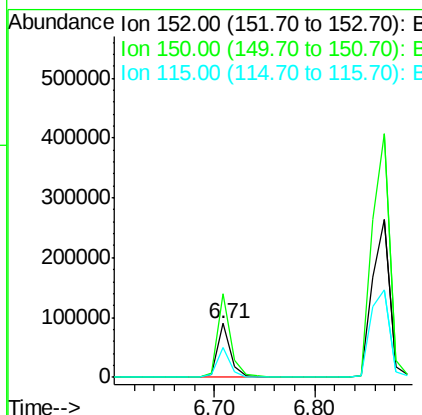
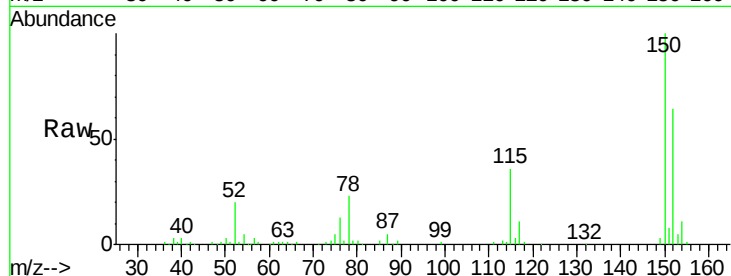




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.71 min Scan# 400
 Delta R.T. -0.02 min
 Lab File: BF082565.D
 Acq: 28 Oct 2015 00:07

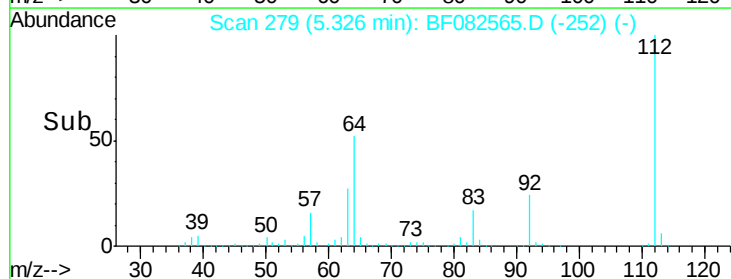
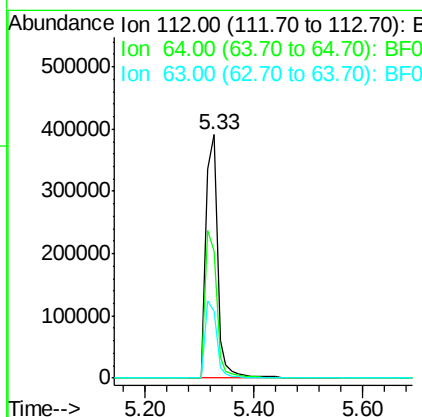
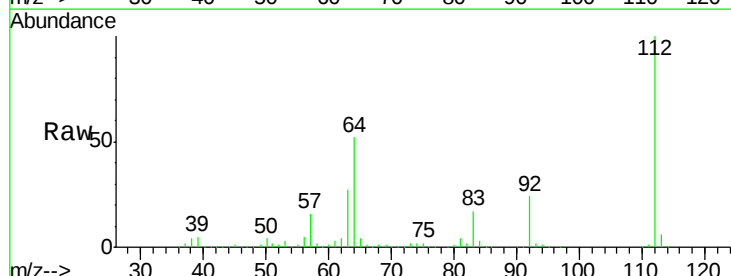
Instrument :
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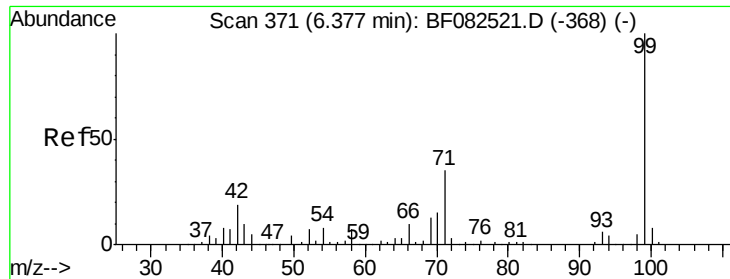
Tgt Ion:152 Resp: 83578
 Ion Ratio Lower Upper
 152 100
 150 155.1 123.4 185.0
 115 56.1 39.0 58.4



#5
 2-Fluorophenol
 Concen: 138.33 ng
 RT: 5.33 min Scan# 279
 Delta R.T. 0.01 min
 Lab File: BF082565.D
 Acq: 28 Oct 2015 00:07

Tgt Ion:112 Resp: 585646
 Ion Ratio Lower Upper
 112 100
 64 52.3 49.0 73.4
 63 27.5 25.8 38.6





#7

Phenol-d6

Concen: 142.66 ng

RT: 6.38 min Scan# 371

Delta R.T. 0.00 min

Lab File: BF082565.D

Acq: 28 Oct 2015 00:07

Instrument :

BNA_F

ClientSampleId :

CWC-3-20151026

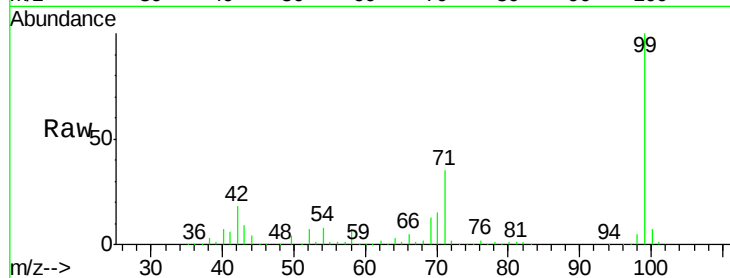
Tgt Ion: 99 Resp: 787200

Ion Ratio Lower Upper

99 100

42 18.1 15.1 22.7

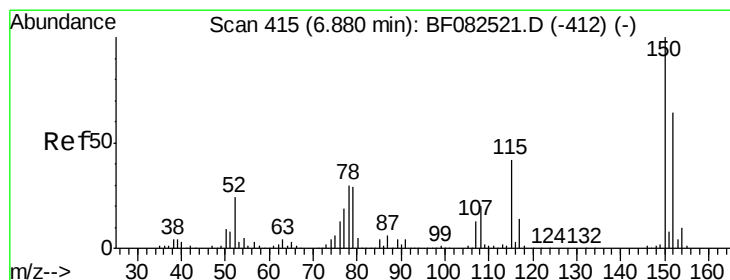
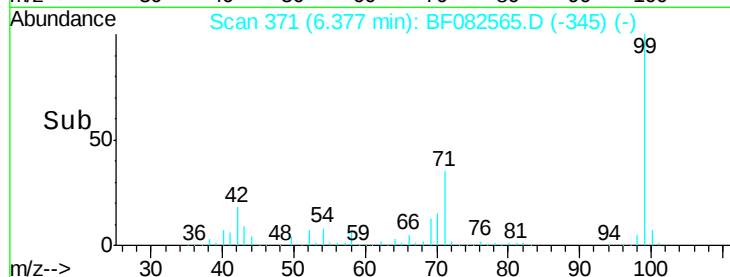
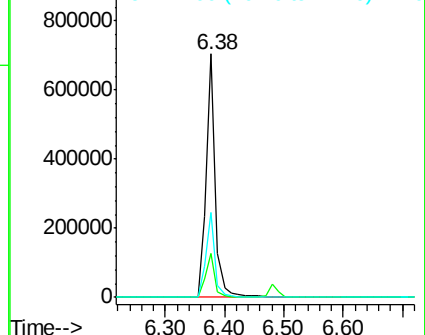
71 35.0 28.2 42.2



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



#15

Benzyl Alcohol

Concen: 2.01 ng

RT: 6.86 min Scan# 413

Delta R.T. -0.02 min

Lab File: BF082565.D

Acq: 28 Oct 2015 00:07

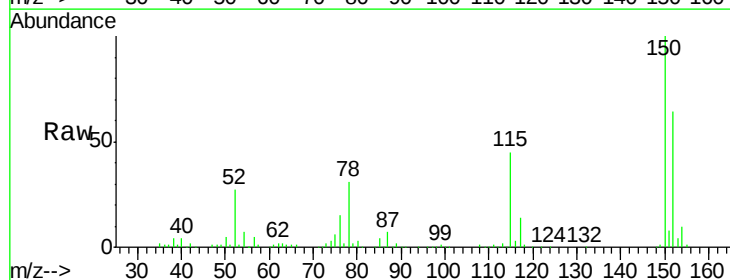
Tgt Ion: 79 Resp: 7722

Ion Ratio Lower Upper

79 100

108 23.9 55.0 82.6#

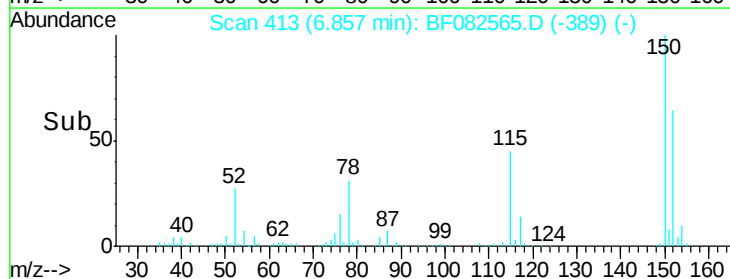
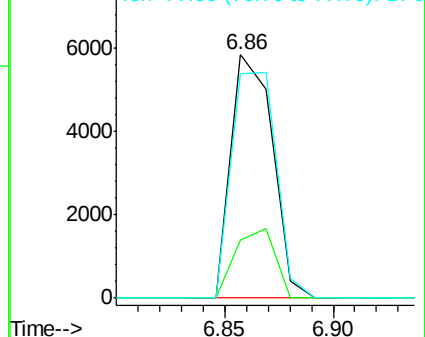
77 92.1 52.5 78.7#

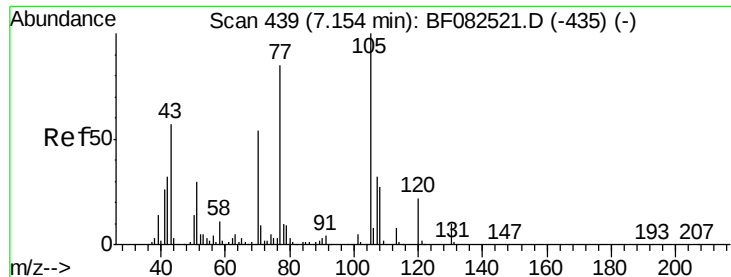


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

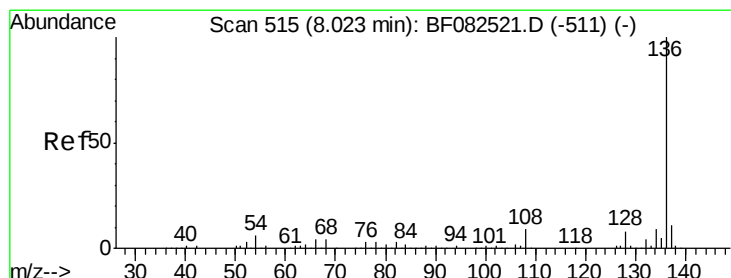
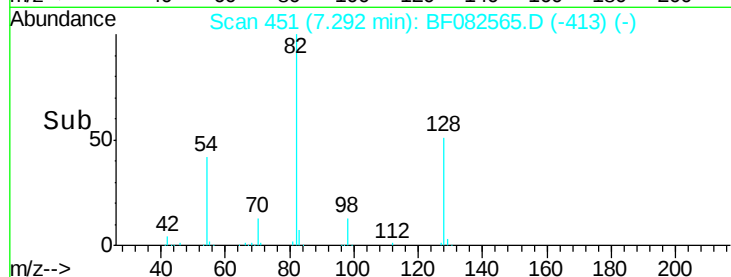
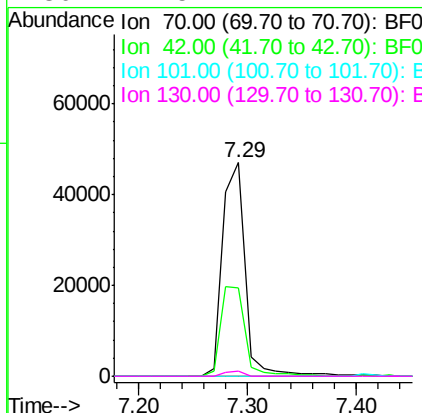
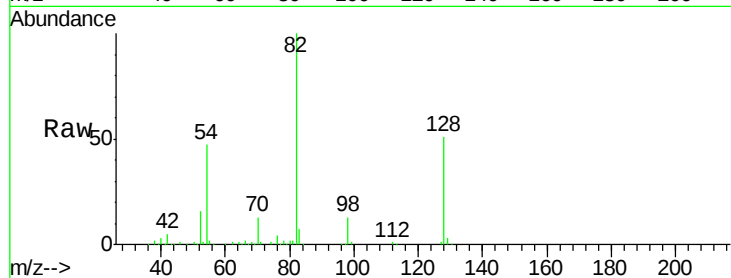




#19
n-Nitroso-di-n-propylamine
Concen: 18.93 ng
RT: 7.29 min Scan# 451
Delta R.T. 0.14 min
Lab File: BF082565.D
Acq: 28 Oct 2015 00:07

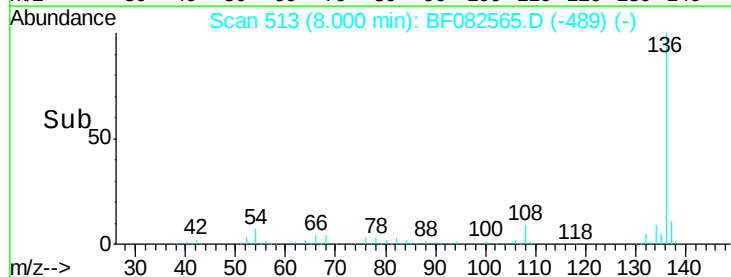
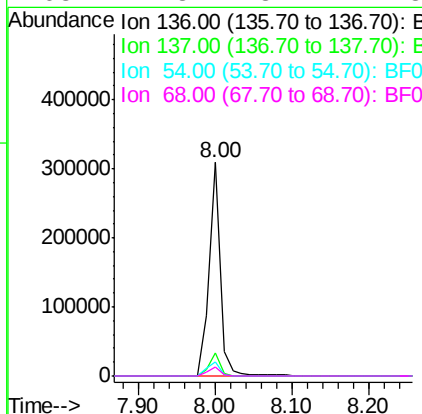
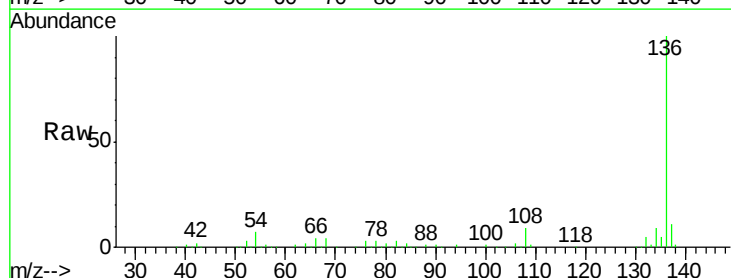
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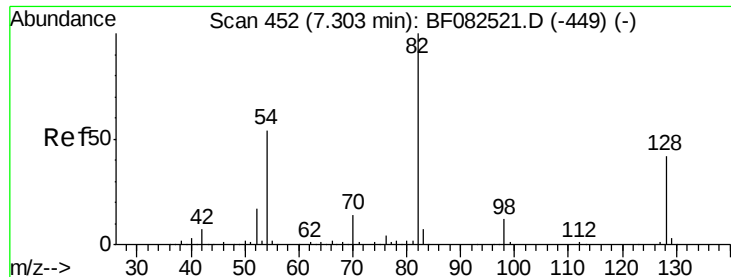
Tgt Ion: 70 Resp: 68044
Ion Ratio Lower Upper
70 100
42 41.2 46.9 70.3#
101 0.0 7.4 11.2#
130 2.5 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 513
Delta R.T. -0.02 min
Lab File: BF082565.D
Acq: 28 Oct 2015 00:07

Tgt Ion: 136 Resp: 312415
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 6.5 4.6 7.0
68 4.3 3.2 4.8

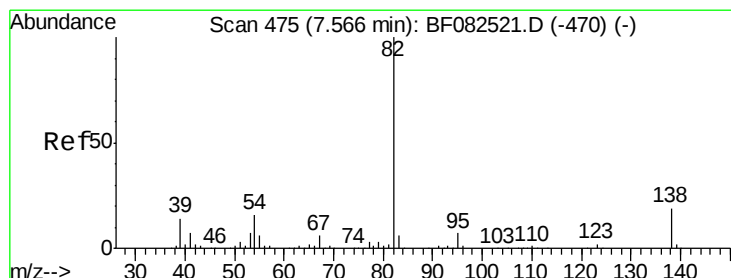
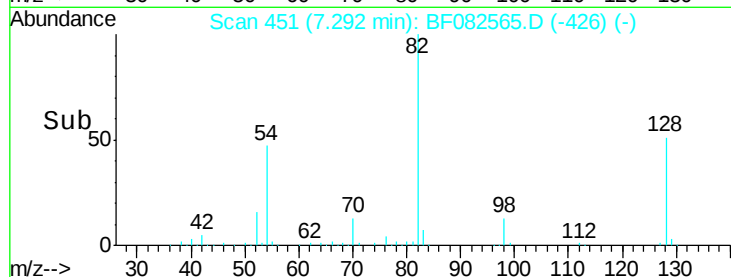
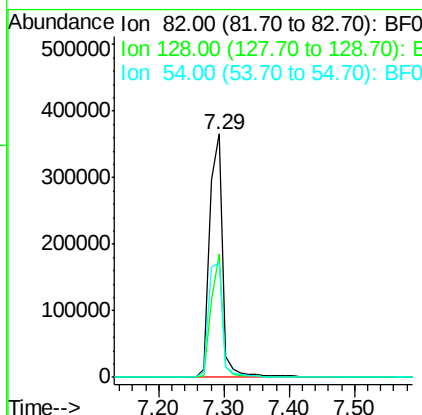
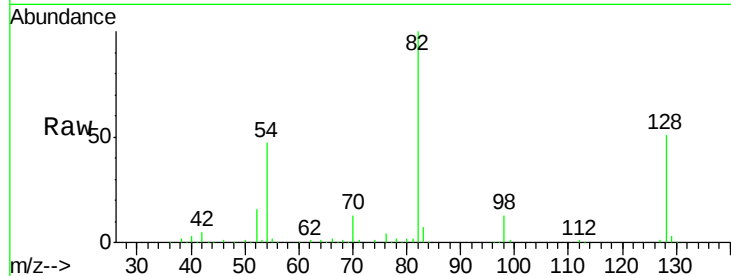




#23
 Nitrobenzene-d5
 Concen: 106.35 ng
 RT: 7.29 min Scan# 451
 Delta R.T. -0.01 min
 Lab File: BF082565.D
 Acq: 28 Oct 2015 00:07

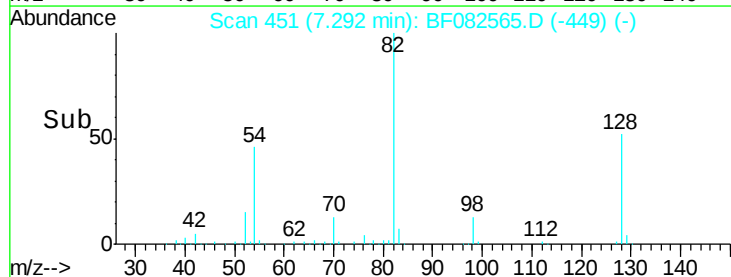
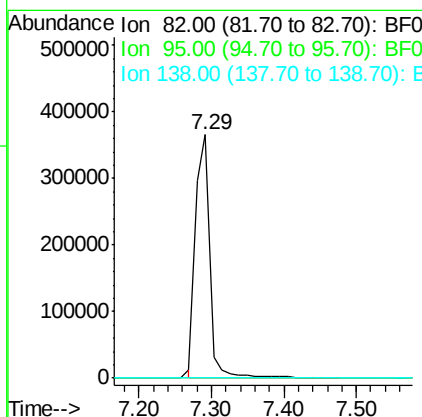
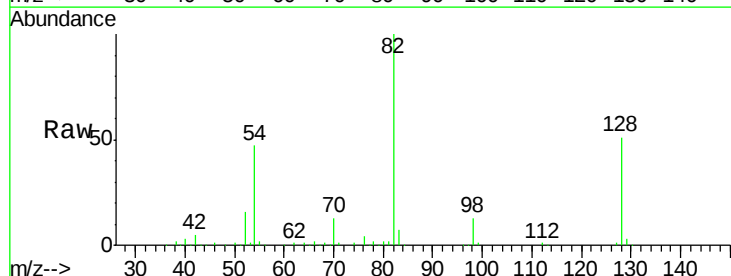
Instrument :
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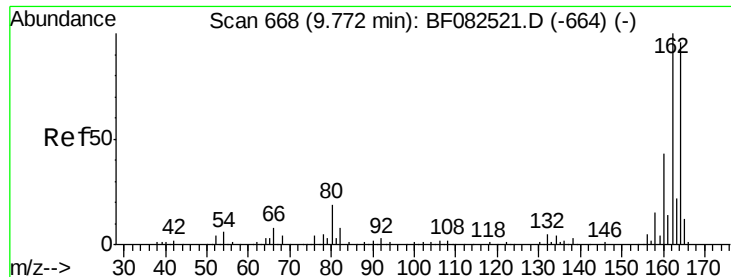
Tgt Ion: 82 Resp: 514999
 Ion Ratio Lower Upper
 82 100
 128 50.8 33.4 50.0#
 54 47.2 43.5 65.3



#25
 Isophorone
 Concen: 51.62 ng
 RT: 7.29 min Scan# 451
 Delta R.T. -0.27 min
 Lab File: BF082565.D
 Acq: 28 Oct 2015 00:07

Tgt Ion: 82 Resp: 496633
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.7 8.5#
 138 0.0 15.0 22.4#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.75 min Scan# 666

Delta R.T. -0.02 min

Lab File: BF082565.D

Acq: 28 Oct 2015 00:07

Instrument :

BNA_F

ClientSampleId :

CWC-3-20151026

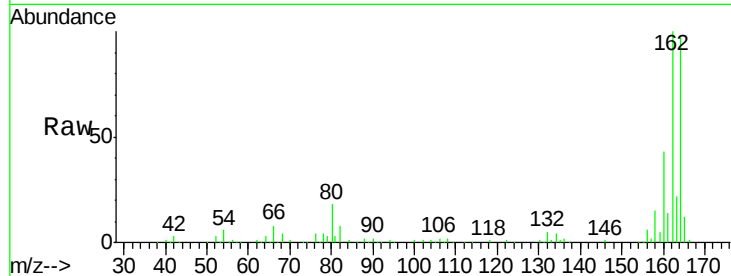
Tgt Ion:164 Resp: 150873

Ion Ratio Lower Upper

164 100

162 102.7 83.6 125.4

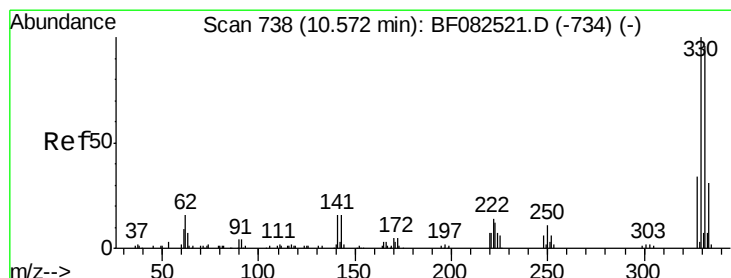
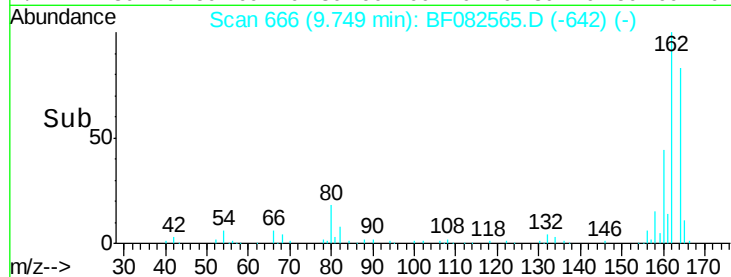
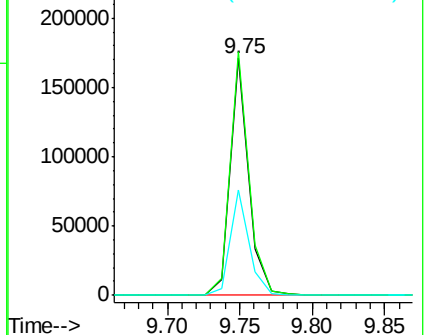
160 44.5 36.0 54.0



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: 121.86 ng

RT: 10.55 min Scan# 736

Delta R.T. -0.02 min

Lab File: BF082565.D

Acq: 28 Oct 2015 00:07

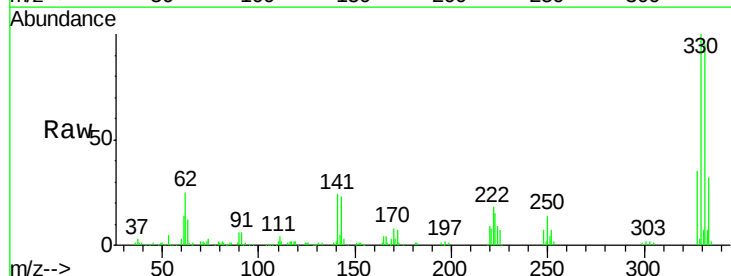
Tgt Ion:330 Resp: 137681

Ion Ratio Lower Upper

330 100

332 96.0 77.4 116.0

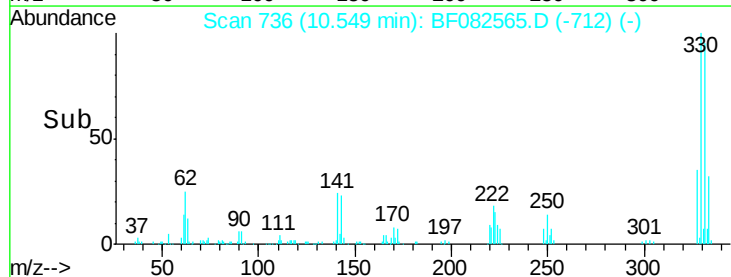
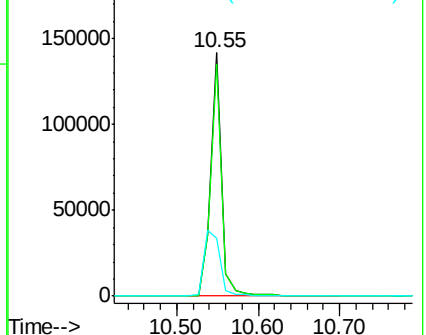
141 39.1 32.5 48.7

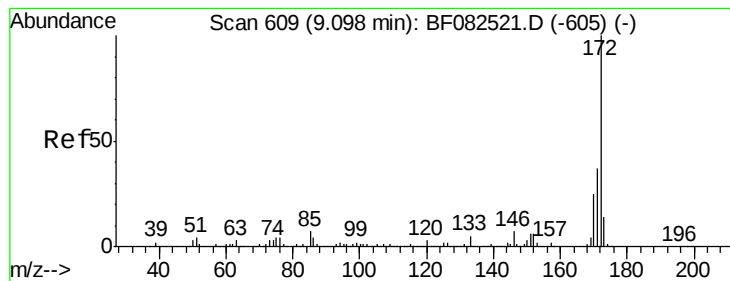


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

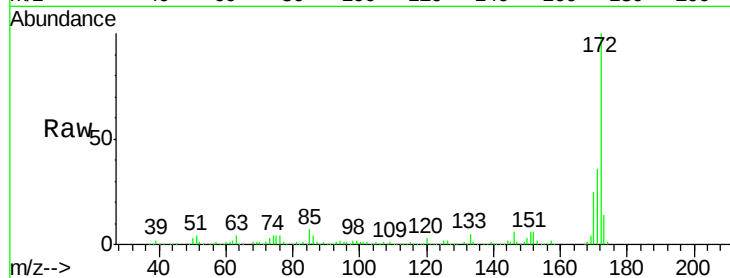




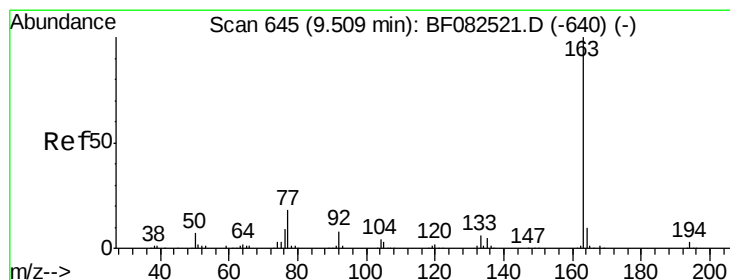
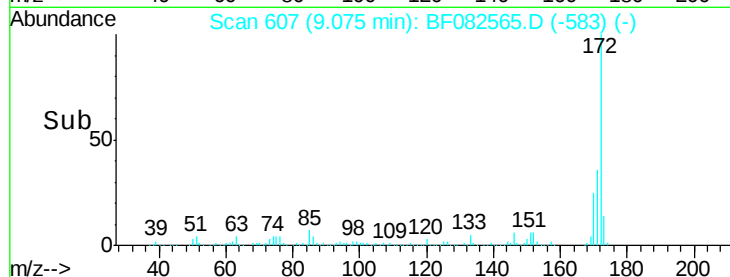
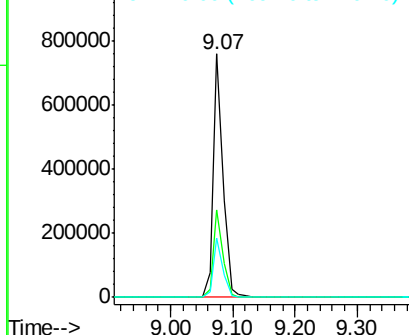
#44
 2-Fluorobiphenyl
 Concen: 86.08 ng
 RT: 9.07 min Scan# 607
 Delta R.T. -0.02 min
 Lab File: BF082565.D
 Acq: 28 Oct 2015 00:07

Instrument :
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Tgt Ion:172 Resp: 816738
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.3 43.9
 170 24.6 19.8 29.6

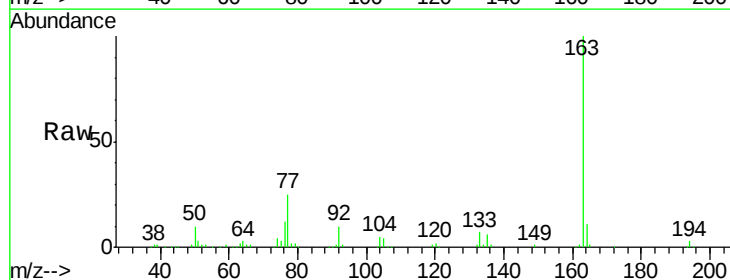


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

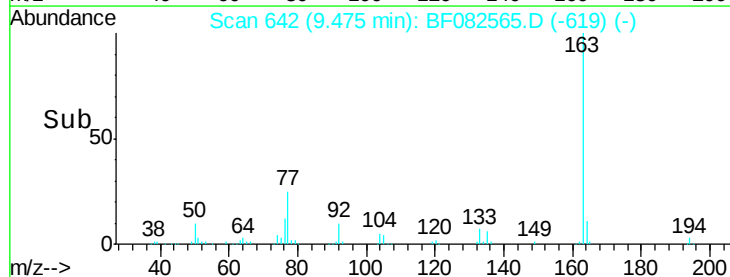
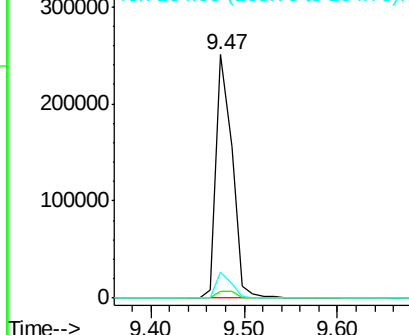


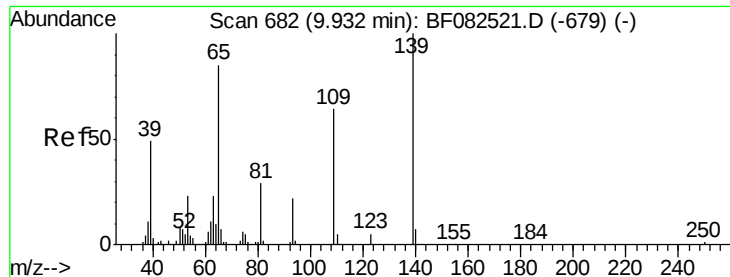
#49
 Dimethylphthalate
 Concen: 28.48 ng
 RT: 9.47 min Scan# 642
 Delta R.T. -0.03 min
 Lab File: BF082565.D
 Acq: 28 Oct 2015 00:07

Tgt Ion:163 Resp: 299004
 Ion Ratio Lower Upper
 163 100
 194 3.0 2.8 4.2
 164 10.8 8.2 12.4



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

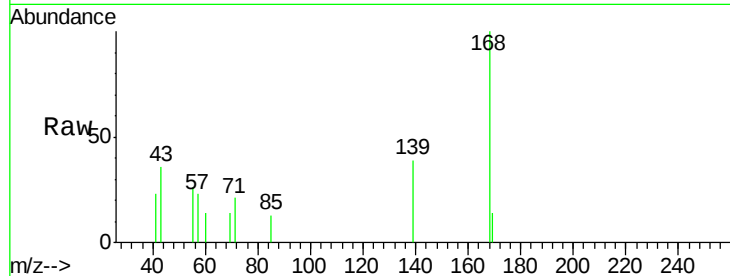




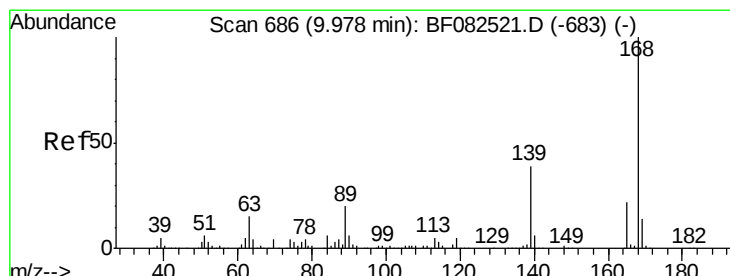
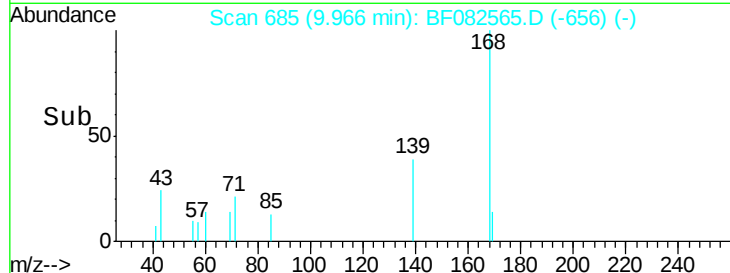
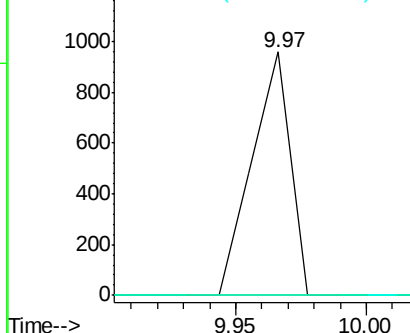
#55
4-Nitrophenol
Concen: 7.35 ng
RT: 9.97 min Scan# 685
Delta R.T. 0.04 min
Lab File: BF082565.D
Acq: 28 Oct 2015 00:07

Instrument :
BNA_F
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Tgt Ion:139 Resp: 988
Ion Ratio Lower Upper
139 100
109 0.0 44.2 84.2#
65 0.0 68.1 108.1#

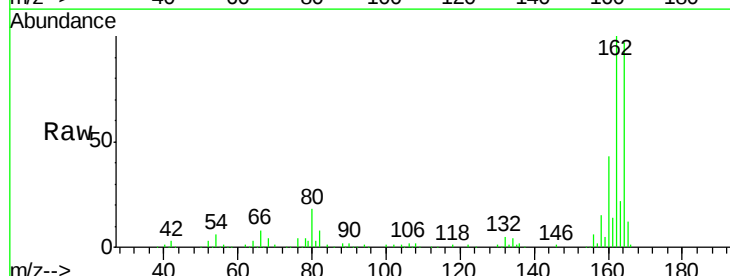


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): E

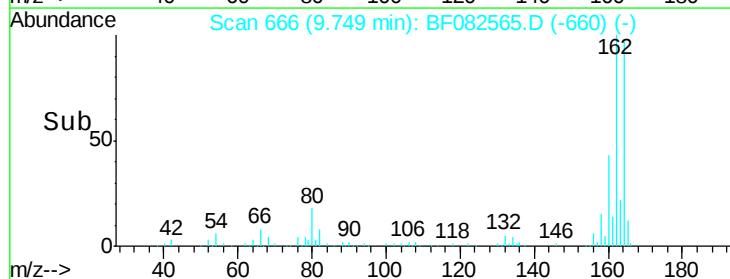
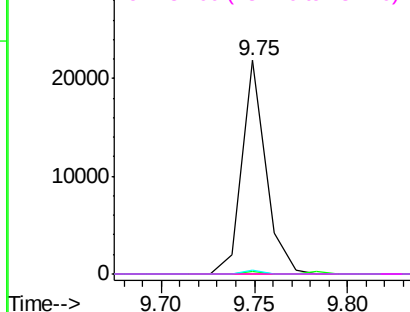


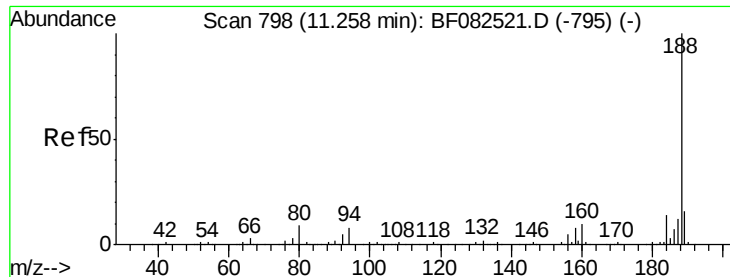
#56
2,4-Dinitrotoluene
Concen: 6.97 ng
RT: 9.75 min Scan# 666
Delta R.T. -0.23 min
Lab File: BF082565.D
Acq: 28 Oct 2015 00:07

Tgt Ion:165 Resp: 19447
Ion Ratio Lower Upper
165 100
63 1.4 58.6 88.0#
89 1.6 72.3 108.5#
182 0.0 1.8 2.8#



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

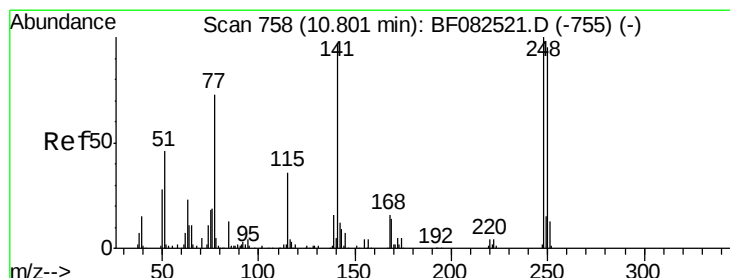
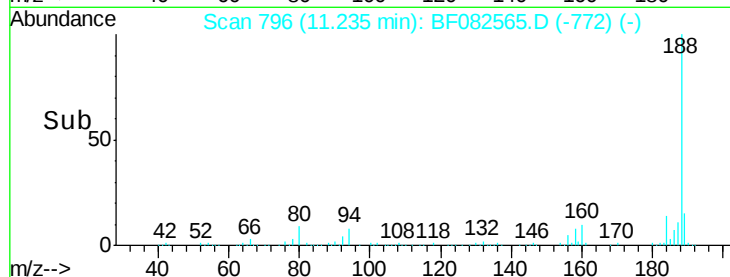
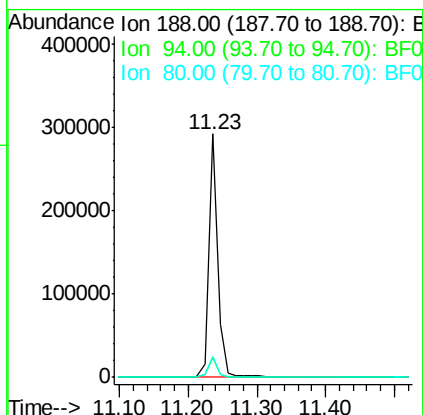
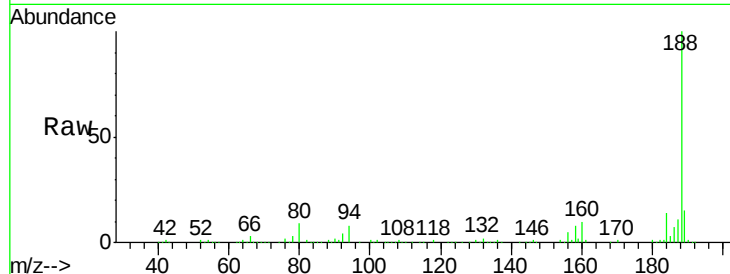




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.23 min Scan# 796
Delta R.T. -0.02 min
Lab File: BF082565.D
Acq: 28 Oct 2015 00:07

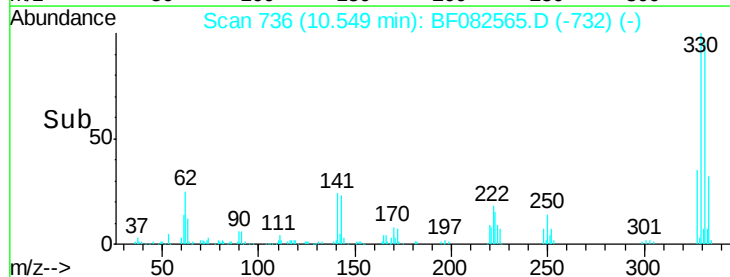
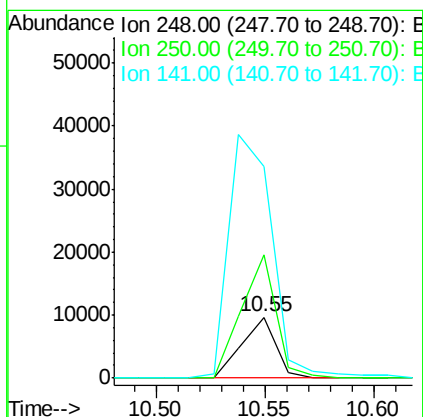
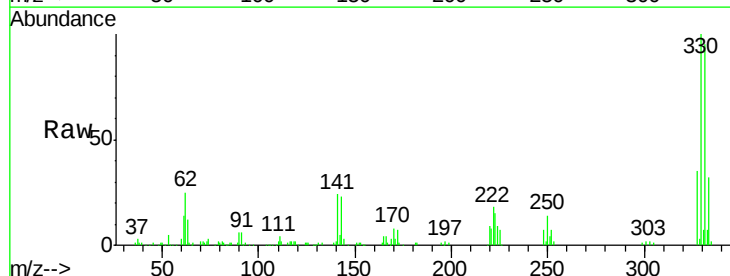
Instrument :
BNA_F
ClientSampleId :
CWC-3-20151026

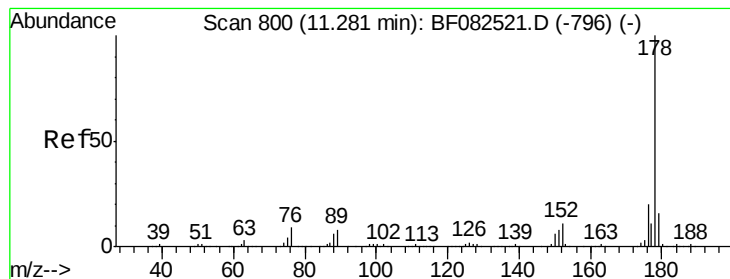
Tgt Ion:188 Resp: 268912
Ion Ratio Lower Upper
188 100
94 8.1 6.4 9.6
80 8.8 7.0 10.6



#66
4-Bromophenyl-phenylether
Concen: 4.13 ng
RT: 10.55 min Scan# 736
Delta R.T. -0.25 min
Lab File: BF082565.D
Acq: 28 Oct 2015 00:07

Tgt Ion:248 Resp: 10419
Ion Ratio Lower Upper
248 100
250 202.1 76.0 114.0#
141 347.4 77.5 116.3#





#70

Phenanthrene

Concen: 6.82 ng

RT: 11.26 min Scan# 798

Delta R.T. -0.02 min

Lab File: BF082565.D

Acq: 28 Oct 2015 00:07

Instrument :

BNA_F

ClientSampleId :

CWC-3-20151026

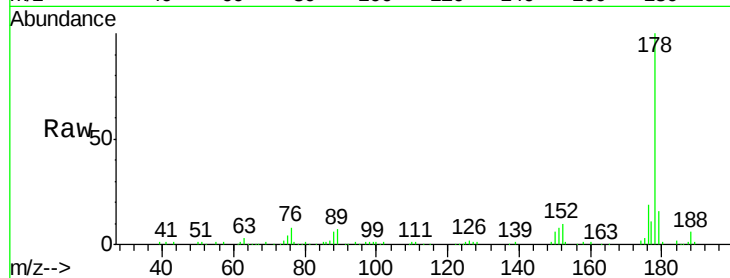
Tgt Ion:178 Resp: 94399

Ion Ratio Lower Upper

178 100

176 19.1 15.9 23.9

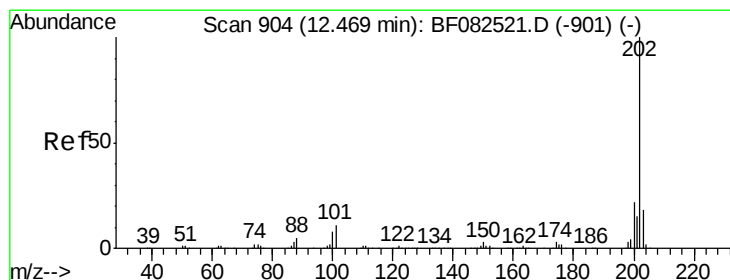
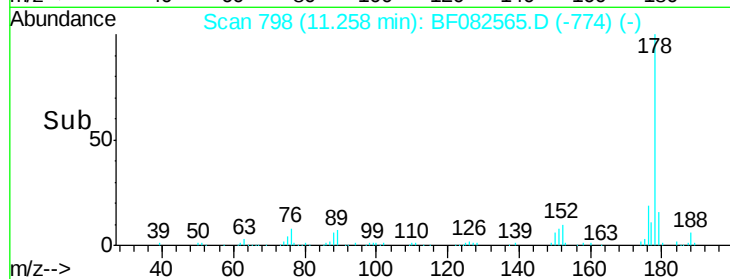
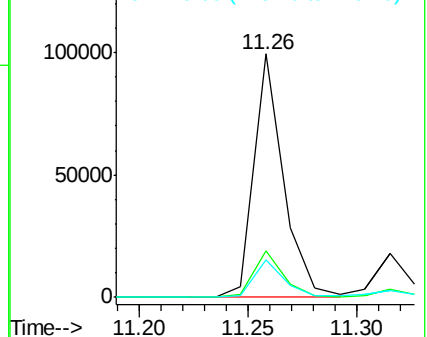
179 15.5 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 8.61 ng

RT: 12.45 min Scan# 902

Delta R.T. -0.02 min

Lab File: BF082565.D

Acq: 28 Oct 2015 00:07

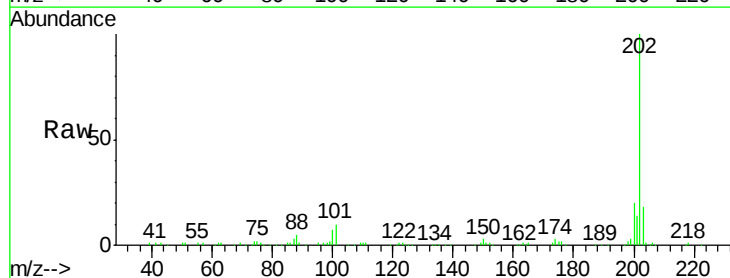
Tgt Ion:202 Resp: 122381

Ion Ratio Lower Upper

202 100

101 9.7 0.0 31.2

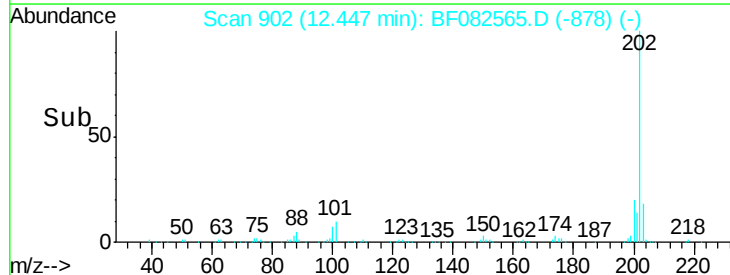
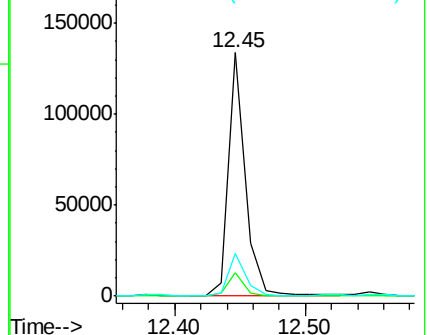
203 17.6 0.0 38.1

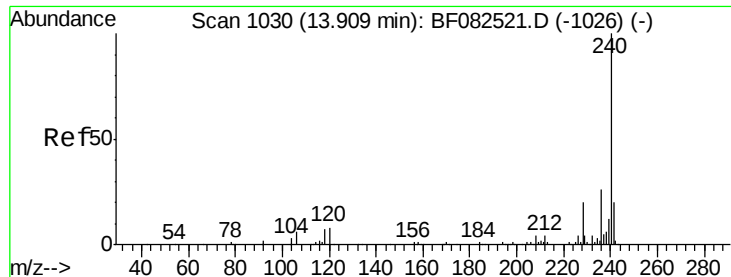


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.88 min Scan# 1027

Delta R.T. -0.03 min

Lab File: BF082565.D

Acq: 28 Oct 2015 00:07

Instrument :

BNA_F

ClientSampleId :

CWC-3-20151026

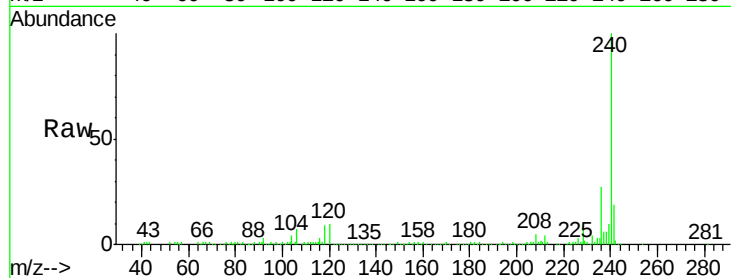
Tgt Ion:240 Resp: 165297

Ion Ratio Lower Upper

240 100

120 10.2 6.5 9.7#

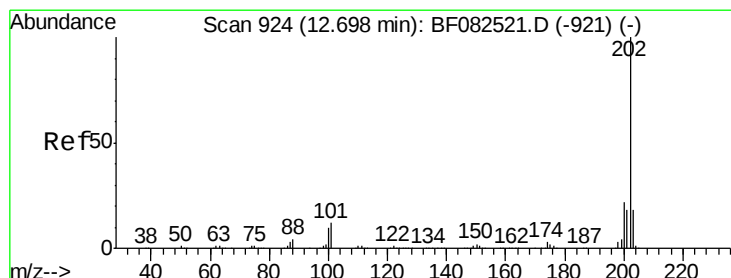
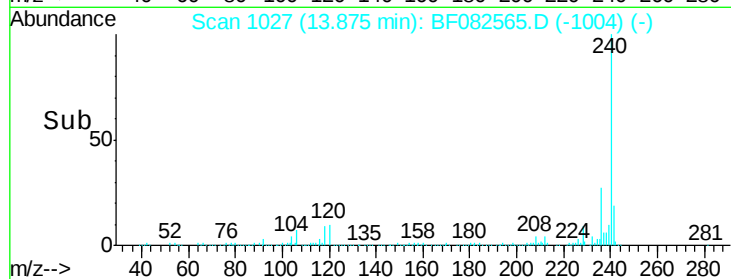
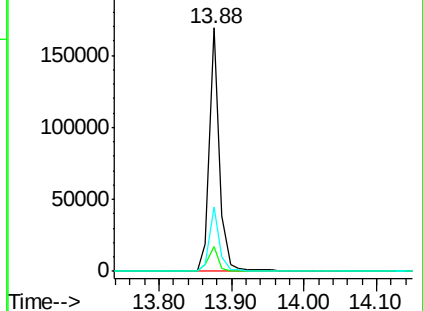
236 26.6 20.5 30.7



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: 11.53 ng

RT: 12.68 min Scan# 922

Delta R.T. -0.02 min

Lab File: BF082565.D

Acq: 28 Oct 2015 00:07

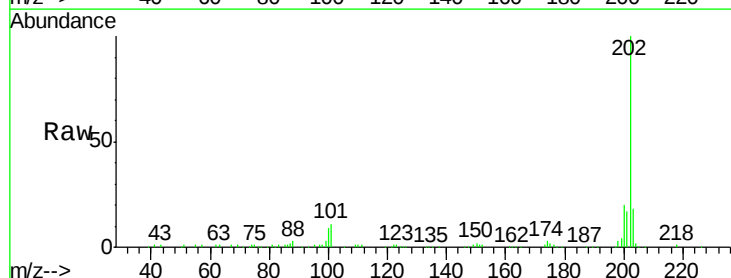
Tgt Ion:202 Resp: 117239

Ion Ratio Lower Upper

202 100

200 20.4 17.6 26.4

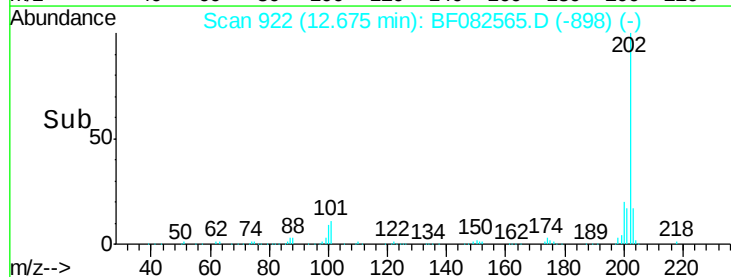
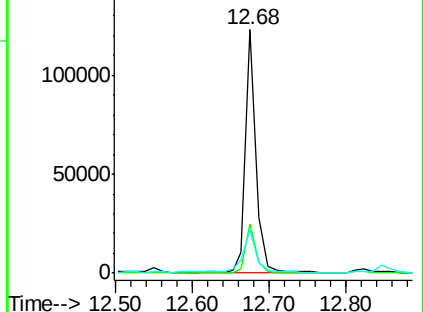
203 17.6 14.6 22.0

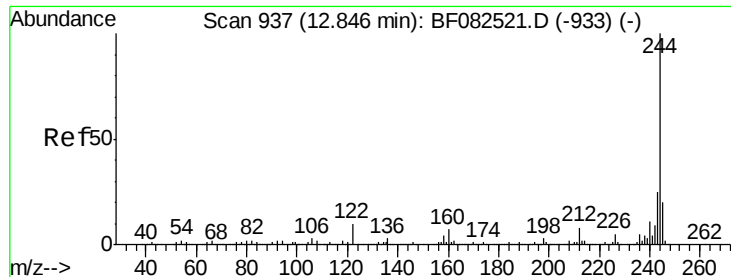


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 104.50 ng

RT: 12.82 min Scan# 935

Delta R.T. -0.02 min

Lab File: BF082565.D

Acq: 28 Oct 2015 00:07

Instrument :

BNA_F

ClientSampleId :

CWC-3-20151026

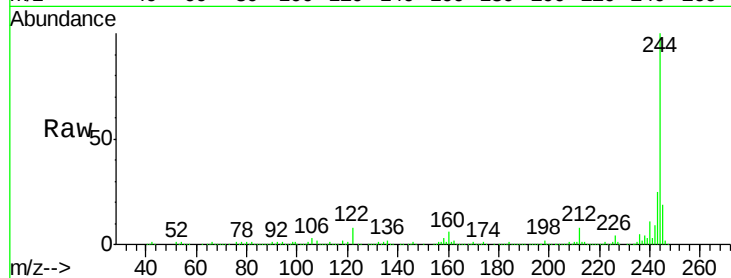
Tgt Ion:244 Resp: 599572

Ion Ratio Lower Upper

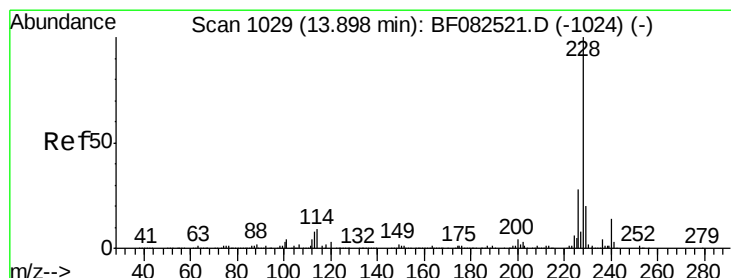
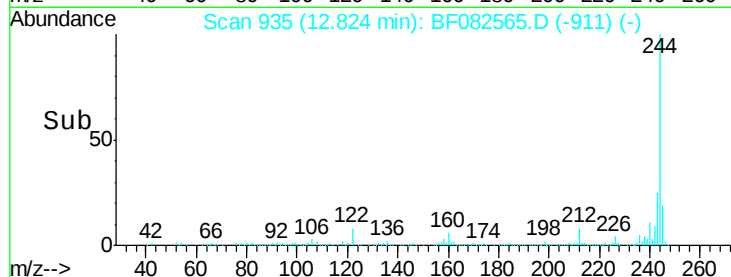
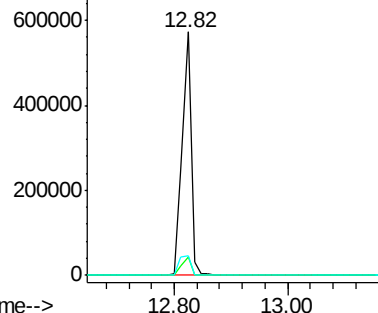
244 100

212 7.5 6.4 9.6

122 7.9 8.1 12.1#



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: 5.60 ng

RT: 13.86 min Scan# 1026

Delta R.T. -0.03 min

Lab File: BF082565.D

Acq: 28 Oct 2015 00:07

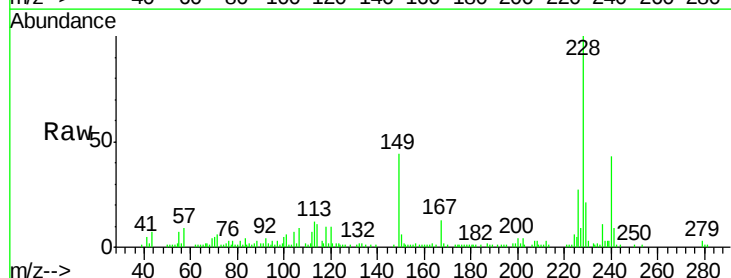
Tgt Ion:228 Resp: 49610

Ion Ratio Lower Upper

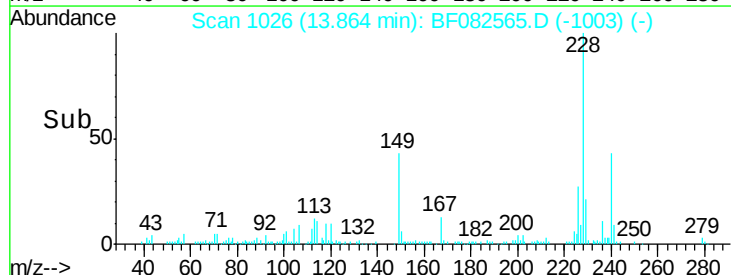
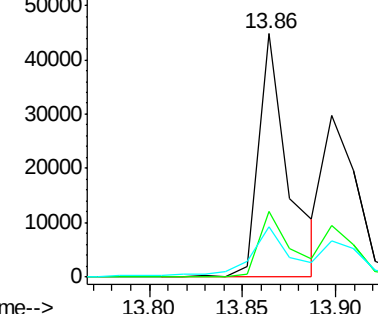
228 100

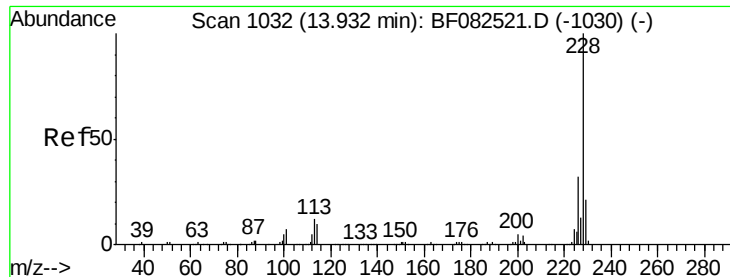
226 27.1 22.1 33.1

229 20.8 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.52 ng

RT: 13.90 min Scan# 1029

Delta R.T. -0.03 min

Lab File: BF082565.D

Acq: 28 Oct 2015 00:07

Instrument :

BNA_F

ClientSampleId :

CWC-3-20151026

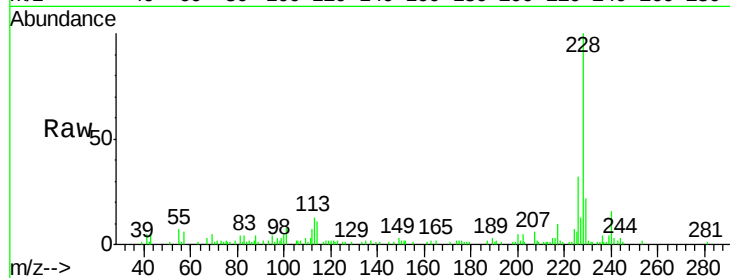
Tgt Ion:228 Resp: 37850

Ion Ratio Lower Upper

228 100

226 31.6 25.2 37.8

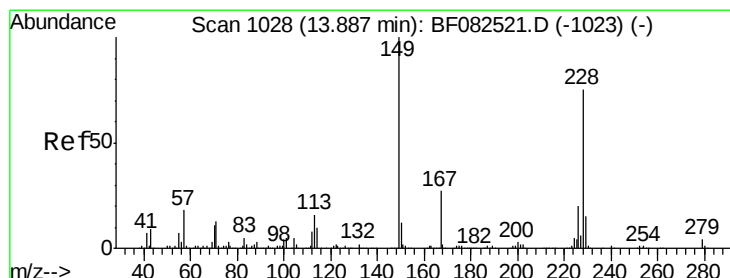
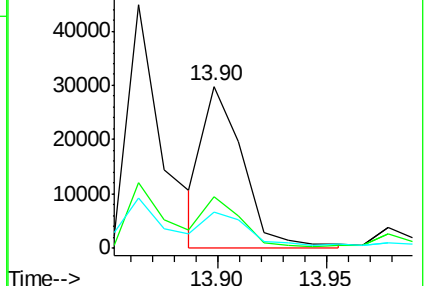
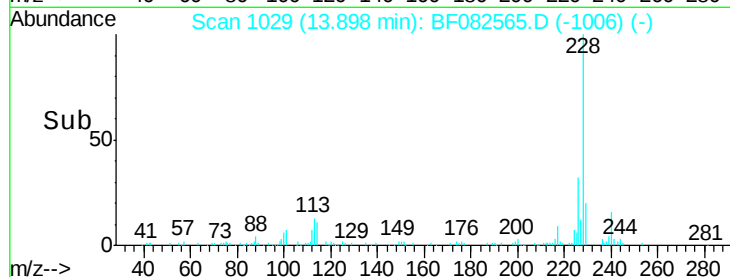
229 22.4 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 26.91 ng

RT: 13.85 min Scan# 1025

Delta R.T. -0.03 min

Lab File: BF082565.D

Acq: 28 Oct 2015 00:07

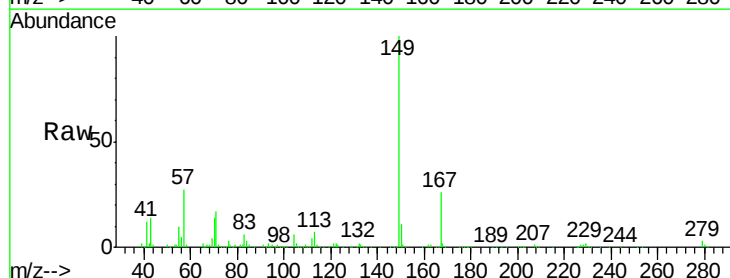
Tgt Ion:149 Resp: 154054

Ion Ratio Lower Upper

149 100

167 25.8 21.8 32.6

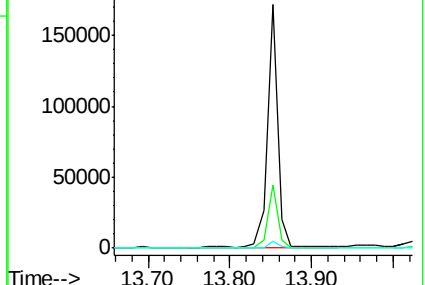
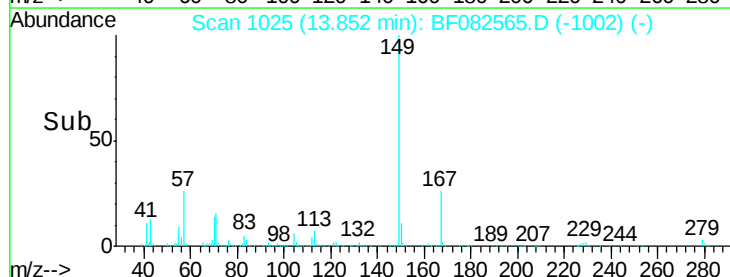
279 2.8 3.0 4.6#

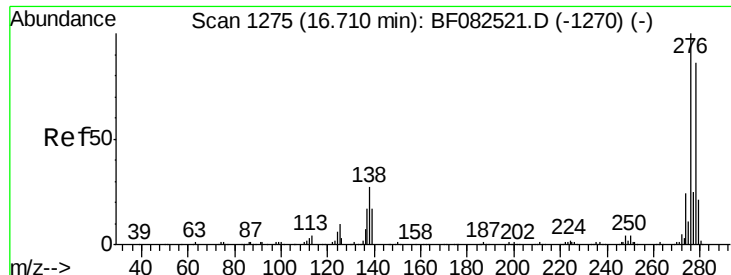


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

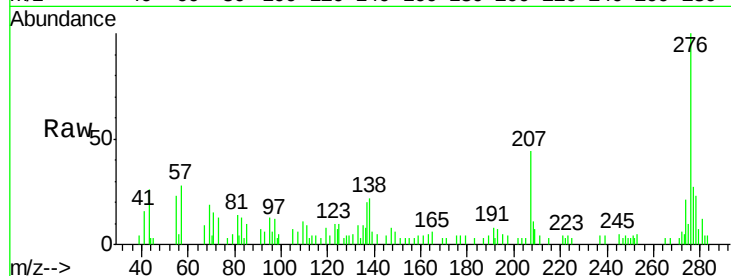




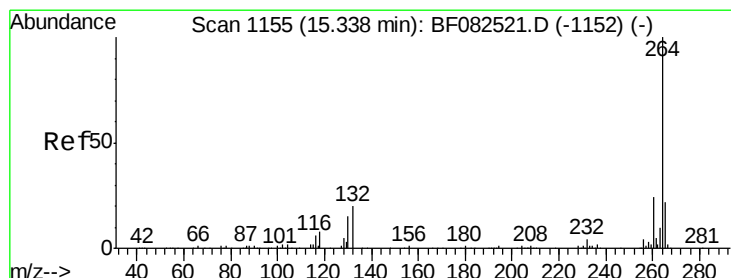
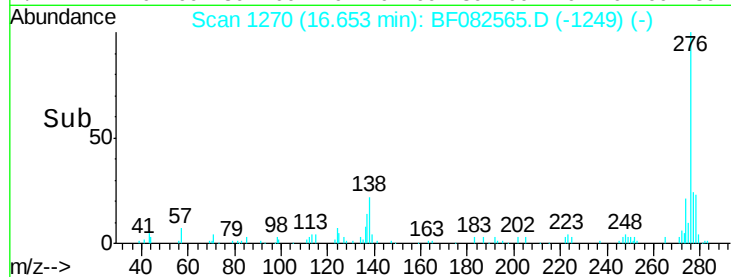
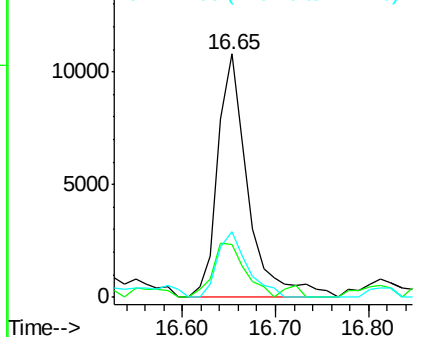
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.17 ng
 RT: 16.65 min Scan# 1270
 Delta R.T. -0.06 min
 Lab File: BF082565.D
 Acq: 28 Oct 2015 00:07

Instrument :
 BNA_F
 ClientSampleId :
 CWC-3-20151026

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.0	20.6	30.8
277	26.6	19.9	29.9

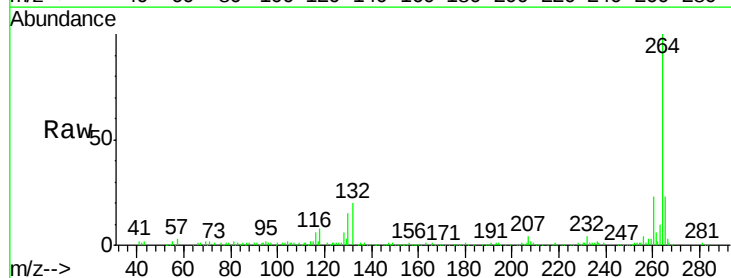


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

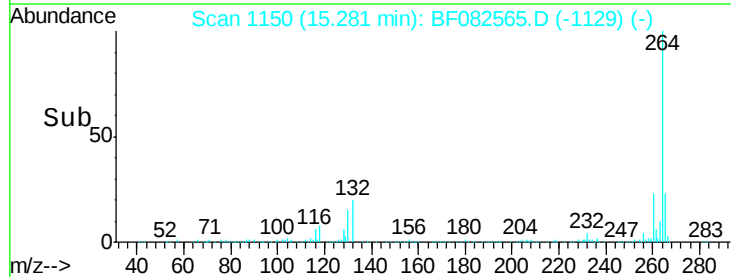
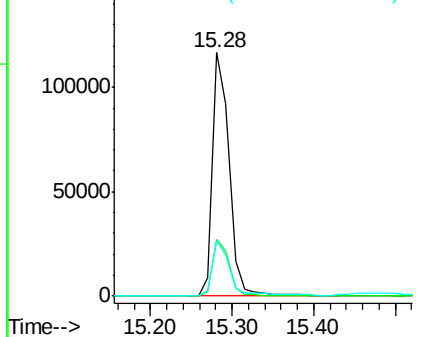


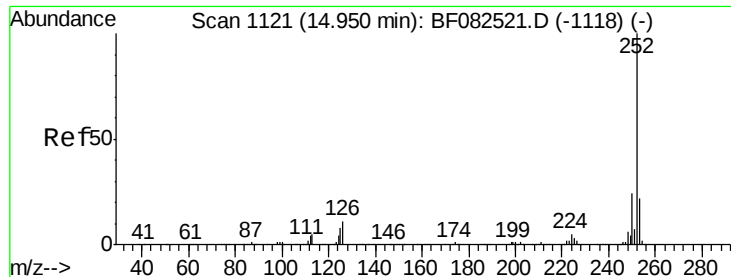
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.28 min Scan# 1150
 Delta R.T. -0.06 min
 Lab File: BF082565.D
 Acq: 28 Oct 2015 00:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.0	28.6
265	22.5	17.8	26.6



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

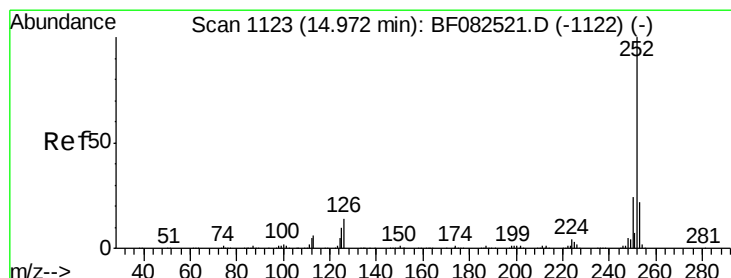
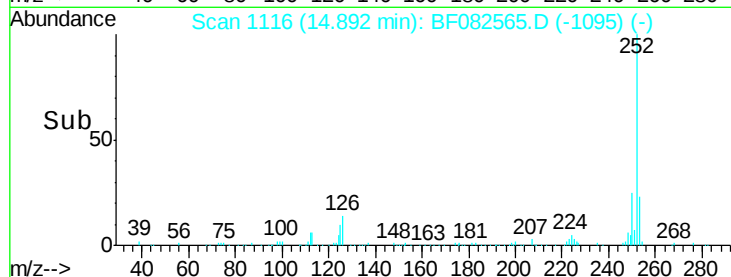
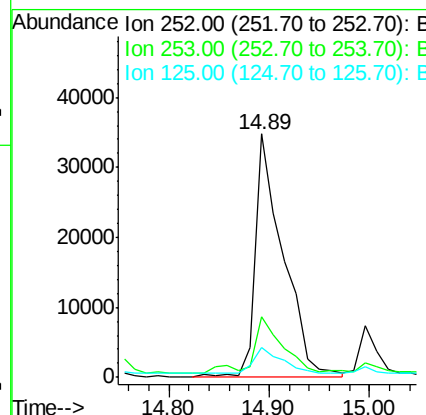
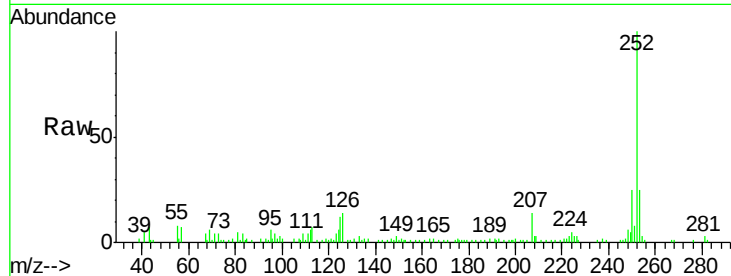




#87
Benzo(b)fluoranthene
Concen: 6.70 ng
RT: 14.89 min Scan# 1116
Delta R.T. -0.06 min
Lab File: BF082565.D
Acq: 28 Oct 2015 00:07

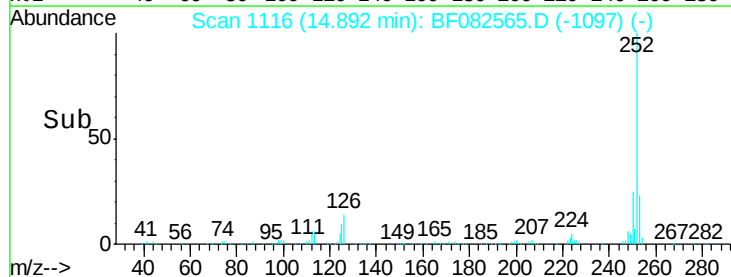
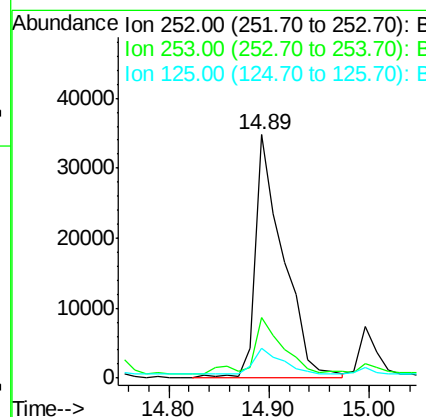
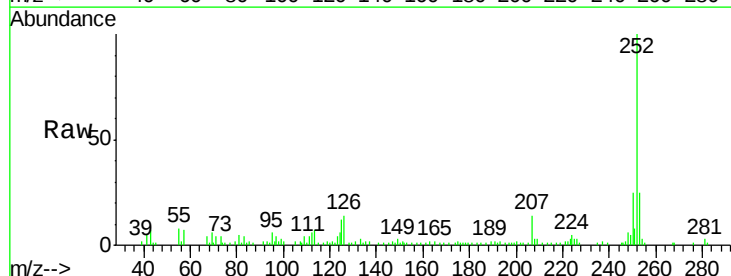
Instrument :
BNA_F
ClientSampleId :
CWC-3-20151026

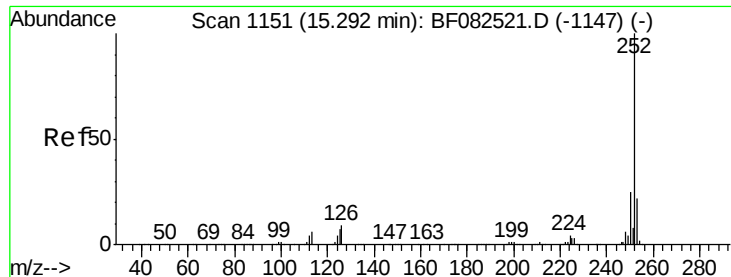
Tgt Ion:252 Resp: 66901
Ion Ratio Lower Upper
252 100
253 24.8 17.8 26.8
125 12.1 6.6 10.0#



#88
Benzo(k)fluoranthene
Concen: 8.22 ng
RT: 14.89 min Scan# 1116
Delta R.T. -0.08 min
Lab File: BF082565.D
Acq: 28 Oct 2015 00:07

Tgt Ion:252 Resp: 66901
Ion Ratio Lower Upper
252 100
253 24.8 17.8 26.6
125 12.1 8.7 13.1

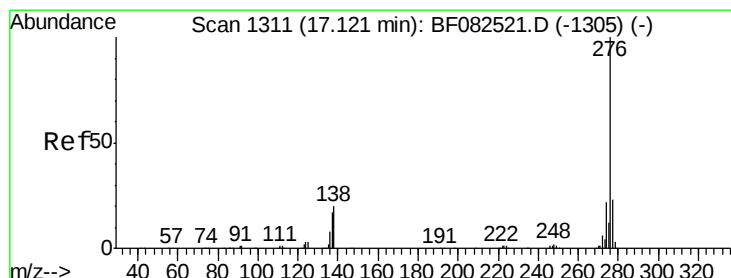
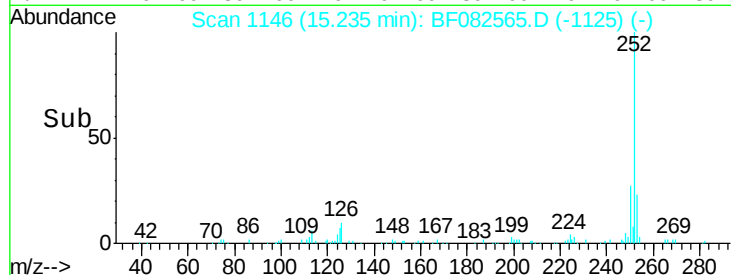
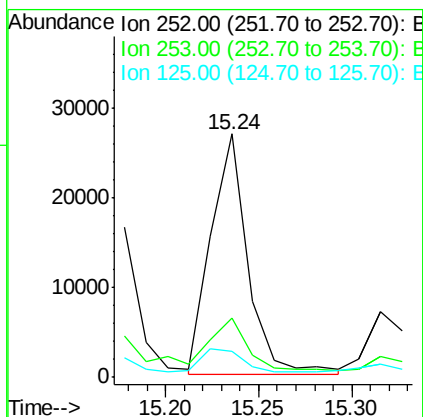
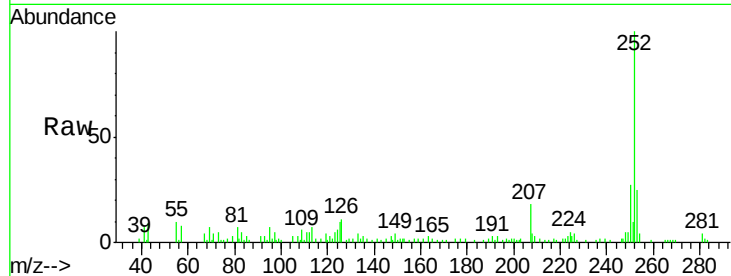




#89
Benzo(a)pyrene
Concen: 4.27 ng
RT: 15.24 min Scan# 1146
Delta R.T. -0.06 min
Lab File: BF082565.D
Acq: 28 Oct 2015 00:07

Instrument :
BNA_F
ClientSampleId :
CWC-3-20151026

Tgt Ion:252 Resp: 36936
Ion Ratio Lower Upper
252 100
253 24.5 17.3 25.9
125 10.4 5.9 8.9#



#91
Benzo(g,h,i)perylene
Concen: 3.26 ng
RT: 17.05 min Scan# 1305
Delta R.T. -0.07 min
Lab File: BF082565.D
Acq: 28 Oct 2015 00:07

Tgt Ion:276 Resp: 23333
Ion Ratio Lower Upper
276 100
277 25.7 18.3 27.5
138 24.4 16.0 24.0#

