

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
 Data File : BF082326.D
 Acq On : 16 Oct 2015 15:20
 Operator : UM/IZ
 Sample : G4034-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CWC-1-20151014

Quant Time: Oct 17 01:12:33 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 17 01:08:23 2015
 Response via : Initial Calibration

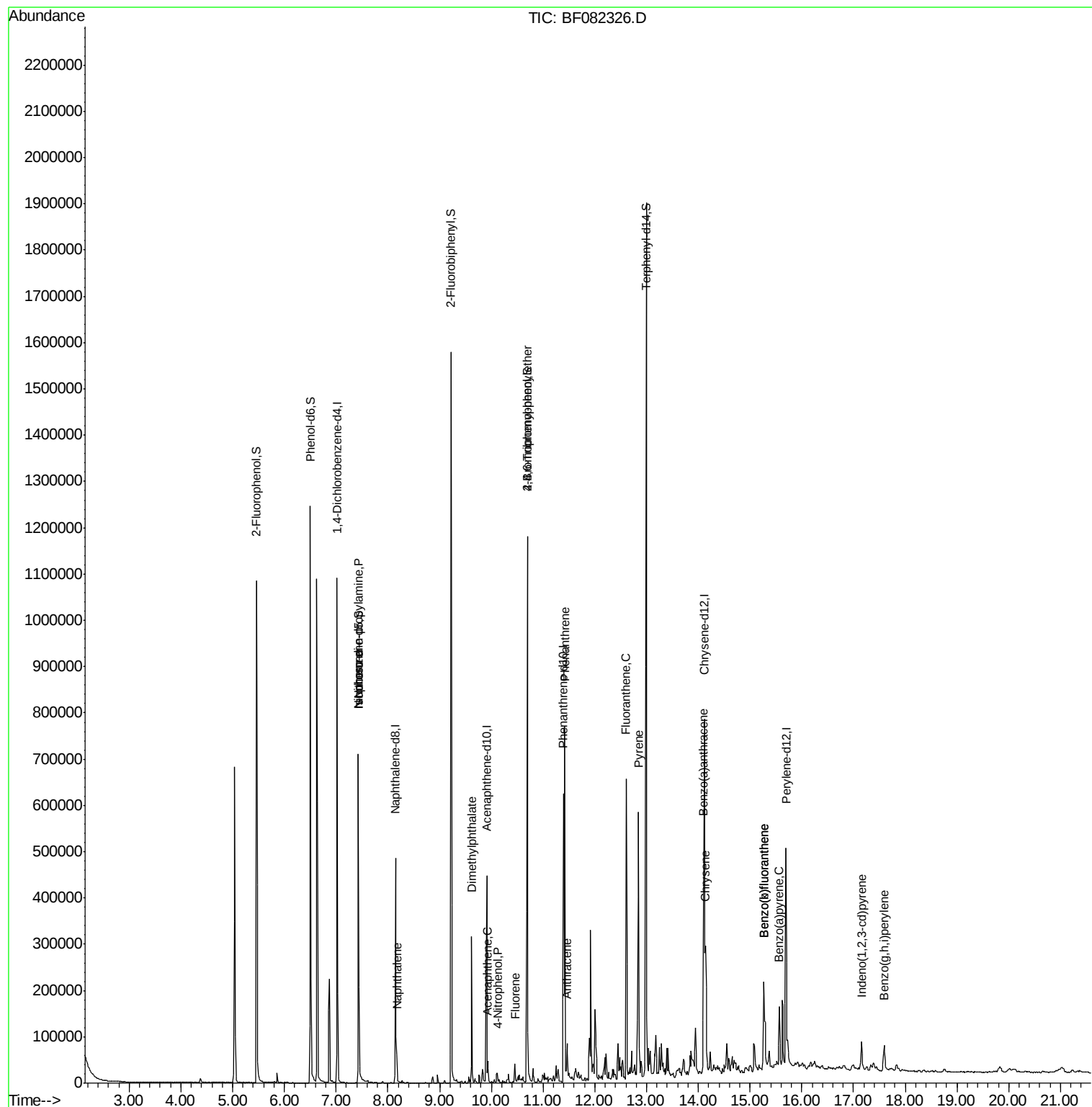
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	164381	20.00	ng	0.18
21) Naphthalene-d8	8.15	136	225442	20.00	ng	0.02
38) Acenaphthene-d10	9.91	164	113184	20.00	ng	0.02
63) Phenanthrene-d10	11.39	188	260604	20.00	ng	0.02
75) Chrysene-d12	14.12	240	283010	20.00	ng	0.05
86) Perylene-d12	15.69	264	233312	20.00	ng	0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	331747	40.73	ng	0.03
7) Phenol-d6	6.50	99	429280	40.50	ng	0.02
23) Nitrobenzene-d5	7.43	82	258206	76.91	ng	0.01
41) 2,4,6-Tribromophenol	10.70	330	149665	141.00	ng	0.01
44) 2-Fluorobiphenyl	9.22	172	519562	76.13	ng	0.01
78) Terphenyl-d14	13.00	244	705740	66.08	ng	0.03
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.43	70	33184	4.46	ng	# 82
25) Isophorone	7.43	82	240566	35.51	ng	# 66
31) Naphthalene	8.17	128	24353	2.49	ng	98
49) Dimethylphthalate	9.62	163	130209	16.34	ng	98
51) Acenaphthene	9.93	154	13282	2.09	ng	96
55) 4-Nitrophenol	10.11	139	4189	3.84	ng	# 11
57) Fluorene	10.46	166	19611	2.74	ng	93
66) 4-Bromophenyl-phenylether	10.70	248	10157	3.89	ng	# 1
70) Phenanthrene	11.42	178	299487	23.45	ng	99
71) Anthracene	11.46	178	55466	4.21	ng	97
74) Fluoranthene	12.61	202	288804	21.05	ng	97
77) Pvrene	12.85	202	322716	19.21	ng	96
80) Benzo(a)anthracene	14.10	228	150407	10.21	ng	98
82) Chrysene	14.14	228	121271	7.82	ng	97
85) Indeno(1,2,3-cd)pyrene	17.16	276	50579	4.10	ng	92
87) Benzo(b)fluoranthene	15.27	252	162368	11.44	ng	99
88) Benzo(k)fluoranthene	15.27	252	162368	13.61	ng	# 97
89) Benzo(a)pyrene	15.57	252	62796	5.15	ng	98
91) Benzo(a,h,i)perylene	17.59	276	53148	5.47	ng	99

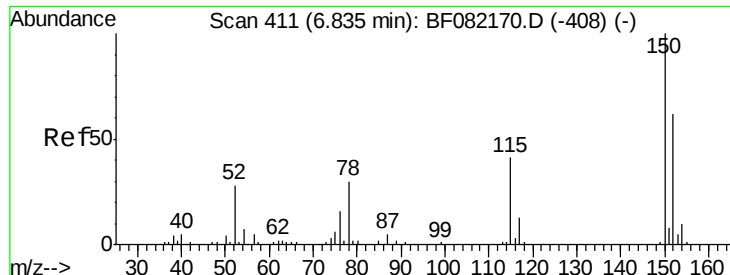
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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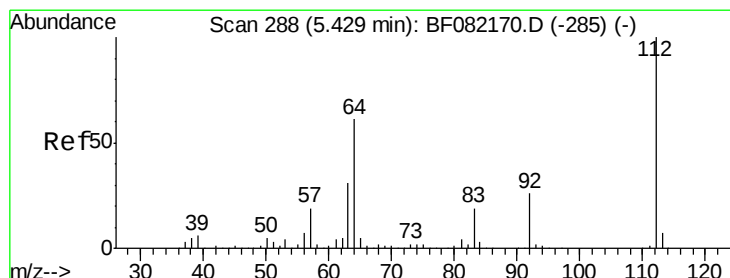
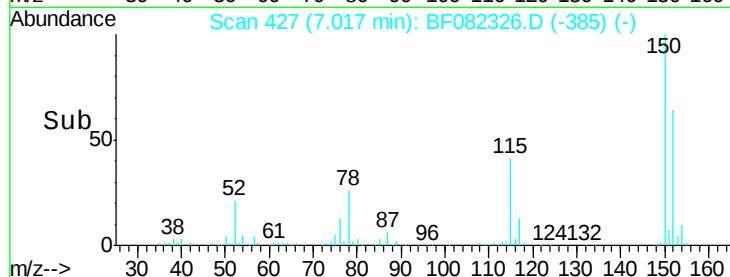
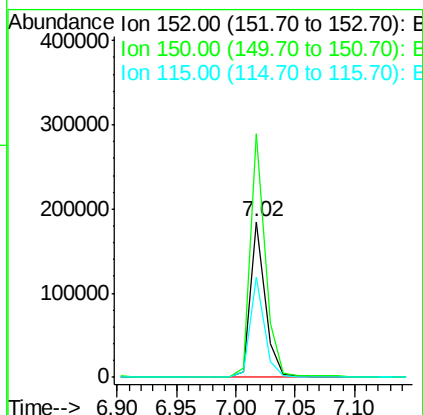
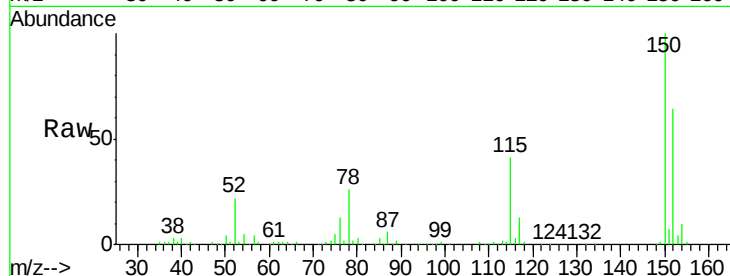


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.02 min Scan# 427
Delta R.T. 0.18 min
Lab File: BF082326.D
Acq: 16 Oct 2015 15:20

Instrument :
BNA_F
ClientSampleId :
CWC-1-20151014

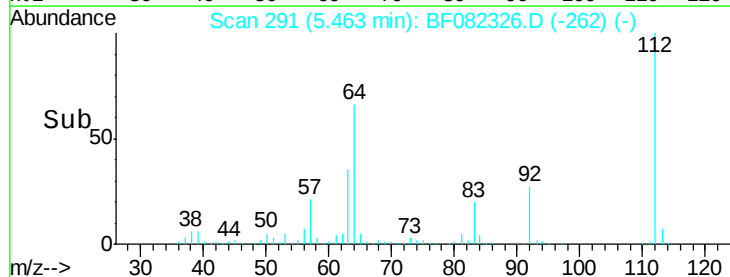
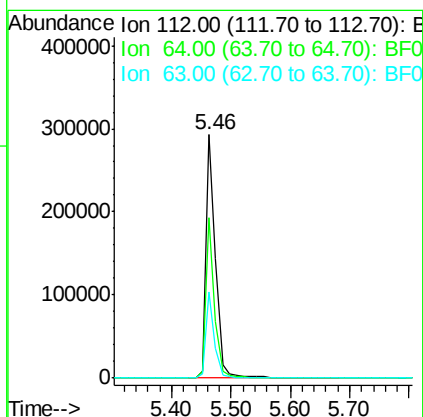
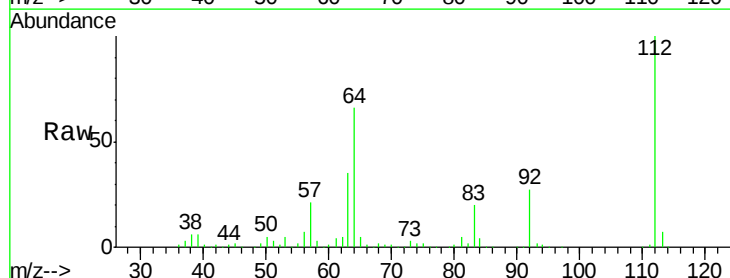
Tot Ion:152 Resp: 164381
Ion Ratio Lower Upper
152 100
150 156.3 129.0 193.4
115 64.2 52.1 78.1

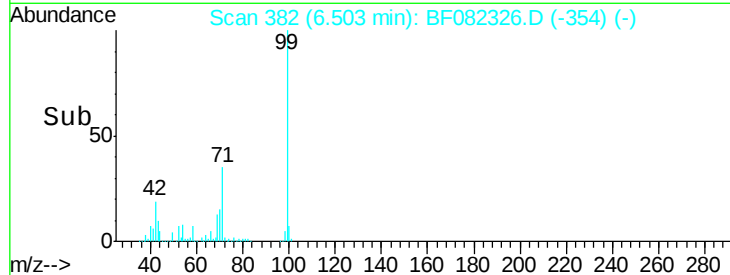
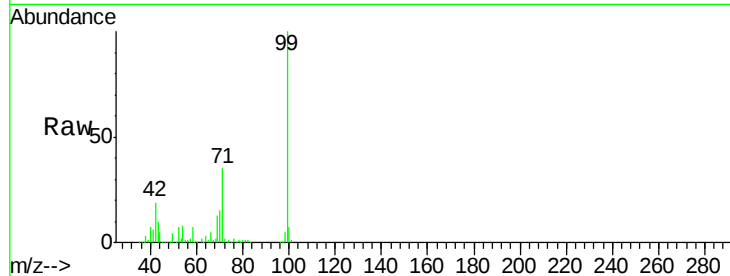


#5

2-Fluorophenol
Concen: 40.73 ng
RT: 5.46 min Scan# 291
Delta R.T. 0.03 min
Lab File: BF082326.D
Acq: 16 Oct 2015 15:20

Tgt Ion:112 Resp: 331747
Ion Ratio Lower Upper
112 100
64 65.7 48.6 73.0
63 35.3 25.1 37.7





#7

Phenol-d6

Concen: 40.50 ng

RT: 6.50 min Scan# 382

Delta R.T. 0.02 min

Lab File: BF082326.D

Acq: 16 Oct 2015 15:20

Instrument :

BNA_F

ClientSampleId :

CWC-1-20151014

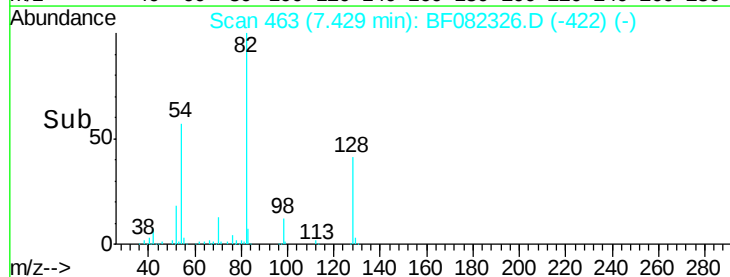
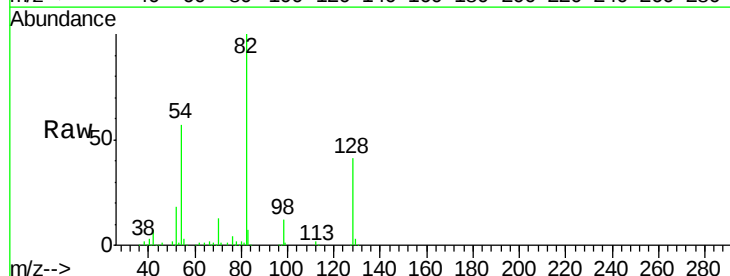
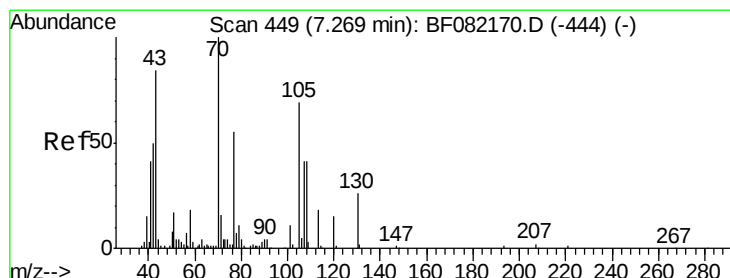
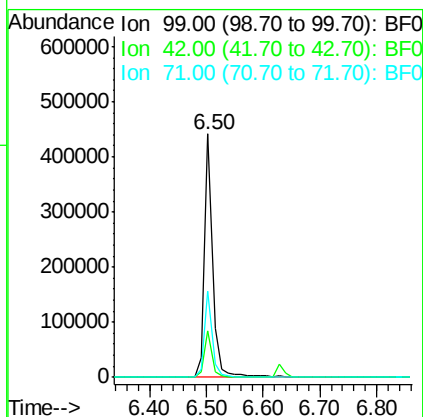
Tot Ion: 99 Resp: 429280

Ion Ratio Lower Upper

99 100

42 19.0 13.2 19.8

71 35.5 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 4.46 ng

RT: 7.43 min Scan# 463

Delta R.T. 0.17 min

Lab File: BF082326.D

Acq: 16 Oct 2015 15:20

Tgt Ion: 70 Resp: 33184

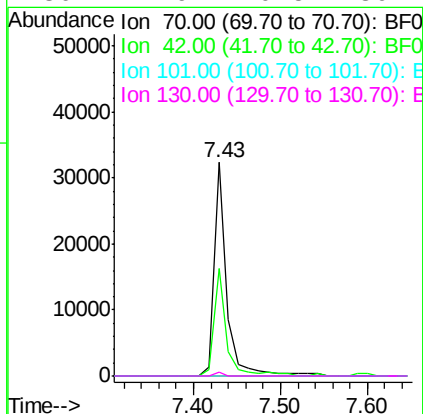
Ion Ratio Lower Upper

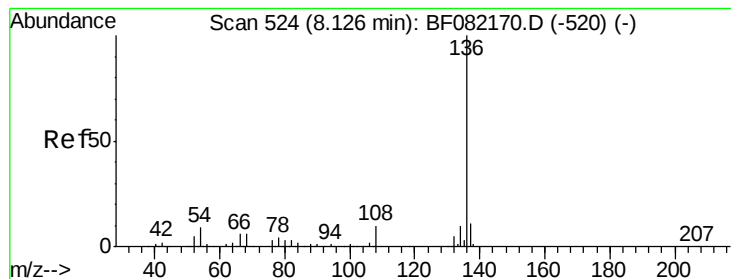
70 100

42 50.3 39.8 59.8

101 0.0 8.6 13.0#

130 1.9 20.5 30.7#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.15 min Scan# 526

Delta R.T. 0.02 min

Lab File: BF082326.D

Acq: 16 Oct 2015 15:20

Instrument :

BNA_F

ClientSampleId :

CWC-1-20151014

Tot Ion:136 Resp: 225442

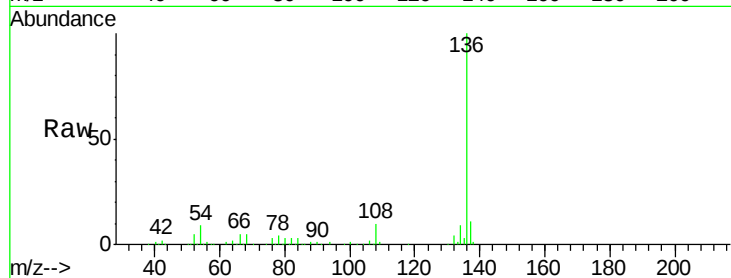
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.6

54 8.7 7.5 11.3

68 5.2 4.6 7.0

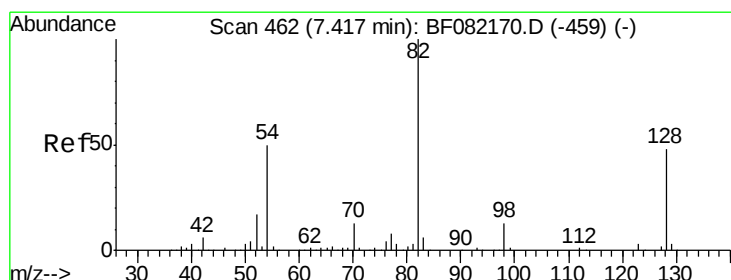
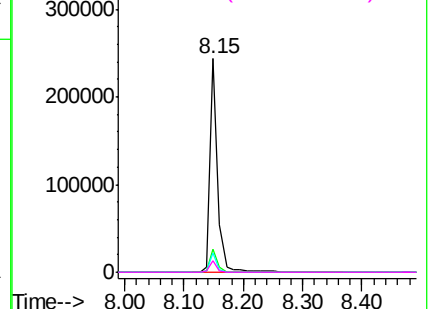
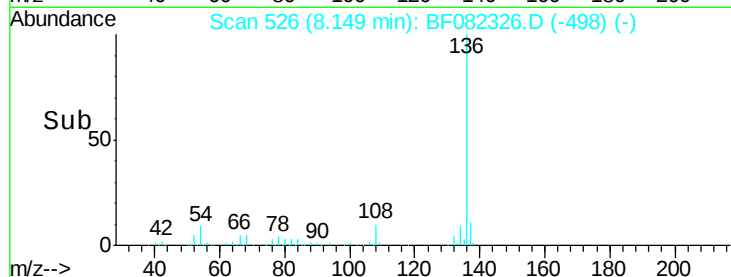


Abundance Ion 136.00 (135.70 to 136.70): E

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: 76.91 ng

RT: 7.43 min Scan# 463

Delta R.T. 0.01 min

Lab File: BF082326.D

Acq: 16 Oct 2015 15:20

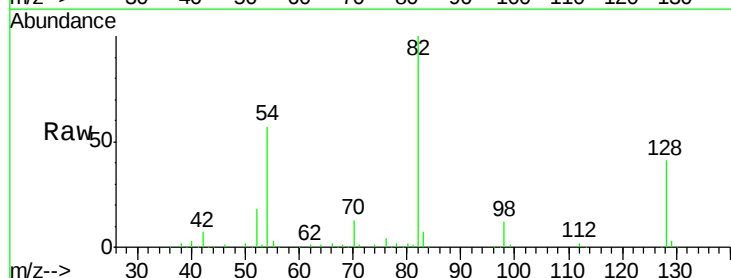
Tgt Ion: 82 Resp: 258206

Ion Ratio Lower Upper

82 100

128 41.0 38.7 58.1

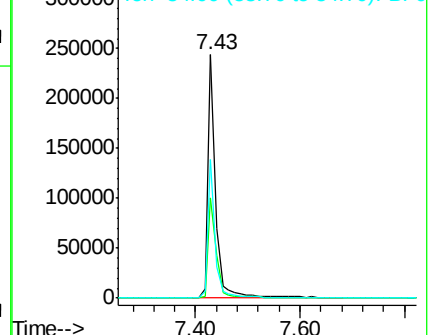
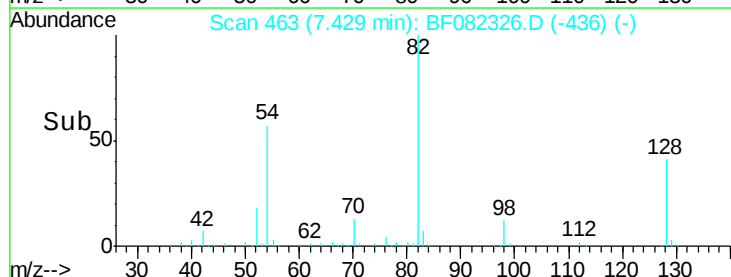
54 56.7 40.1 60.1

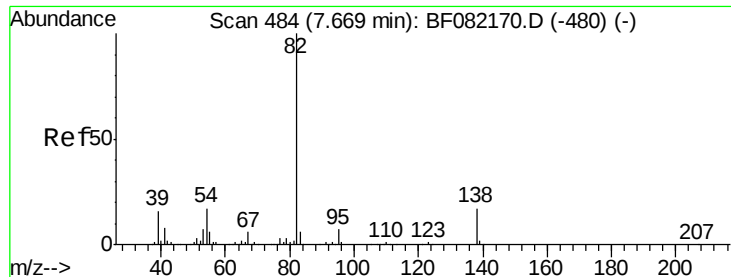


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 35.51 ng

RT: 7.43 min Scan# 463

Delta R.T. -0.24 min

Lab File: BF082326.D

Acq: 16 Oct 2015 15:20

Instrument :

BNA_F

ClientSampleId :

CWC-1-20151014

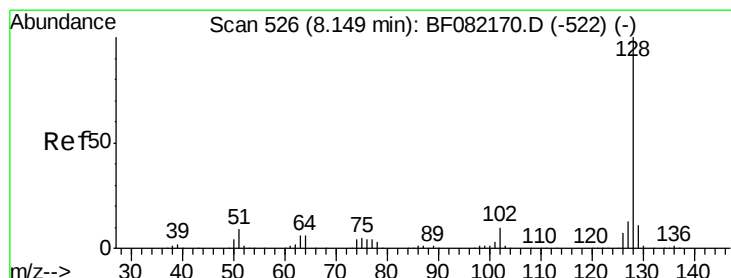
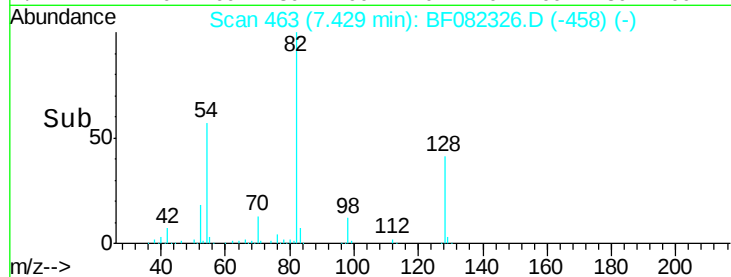
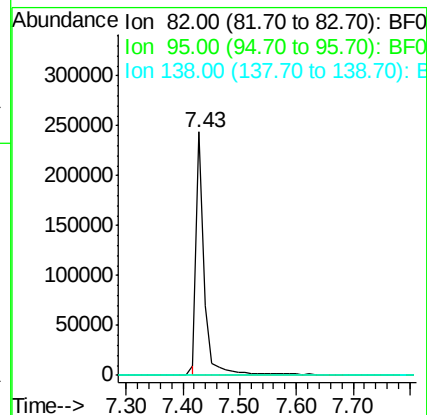
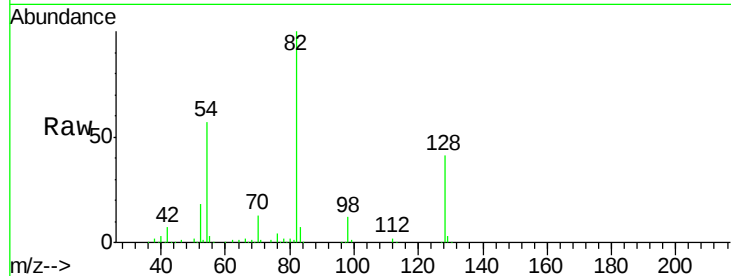
Tot Ion: 82 Resp: 240566

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 13.6 20.4#



#31

Naphthalene

Concen: 2.49 ng

RT: 8.17 min Scan# 528

Delta R.T. 0.02 min

Lab File: BF082326.D

Acq: 16 Oct 2015 15:20

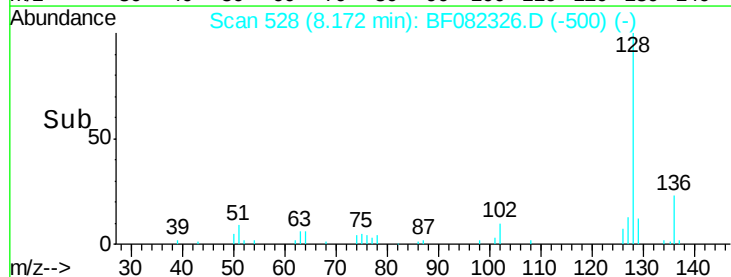
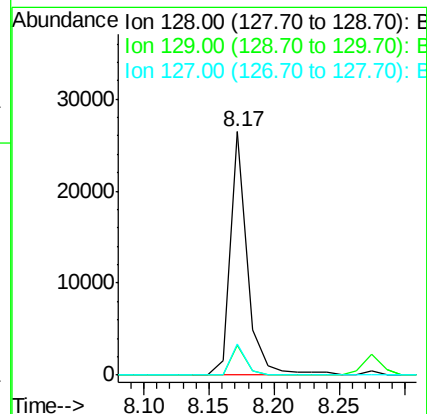
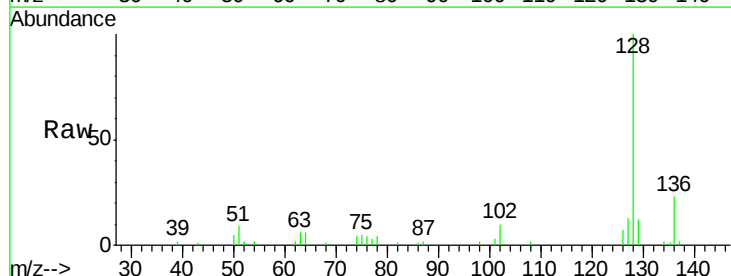
Tgt Ion: 128 Resp: 24353

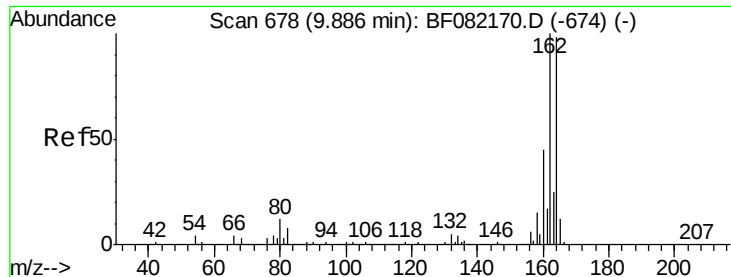
Ion Ratio Lower Upper

128 100

129 12.1 9.1 13.7

127 12.9 10.7 16.1





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.91 min Scan# 680

Delta R.T. 0.02 min

Lab File: BF082326.D

Acq: 16 Oct 2015 15:20

Instrument :

BNA_F

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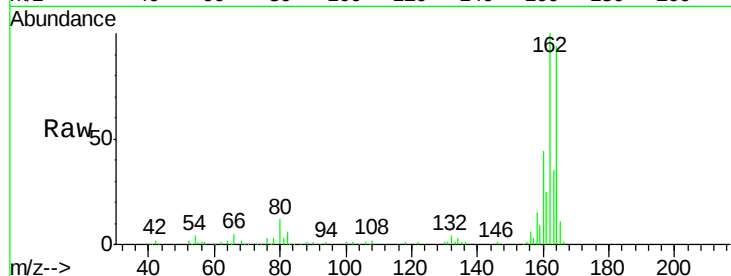
Tot Ion:164 Resp: 113184

Ion Ratio Lower Upper

164 100

162 106.3 81.6 122.4

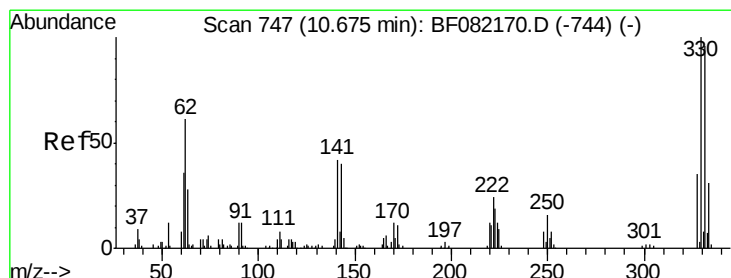
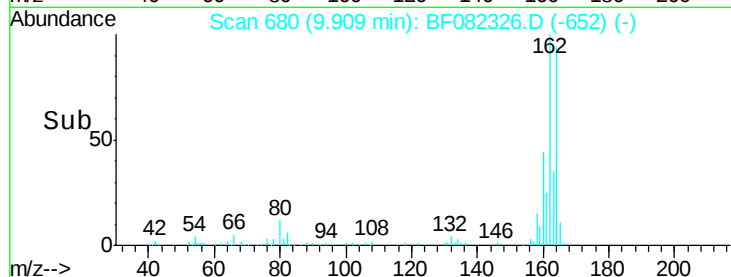
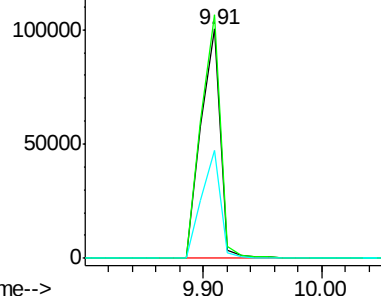
160 46.9 36.4 54.6



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: 141.00 ng

RT: 10.70 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF082326.D

Acq: 16 Oct 2015 15:20

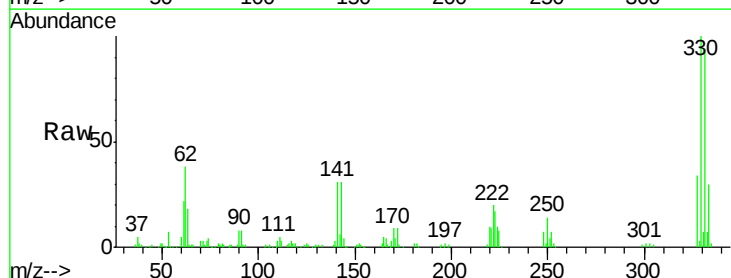
Tgt Ion:330 Resp: 149665

Ion Ratio Lower Upper

330 100

332 94.1 77.1 115.7

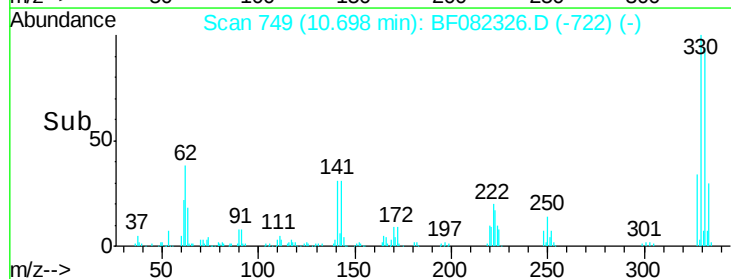
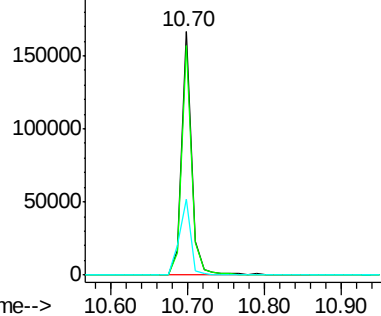
141 36.0 29.8 44.8



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

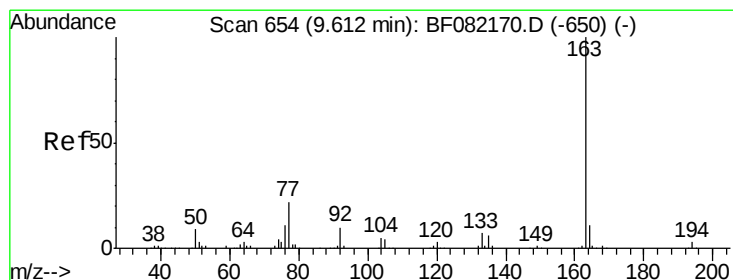
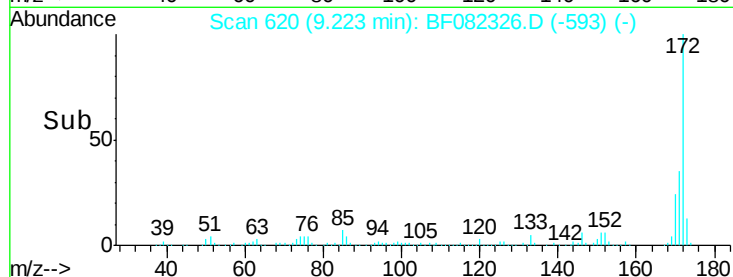
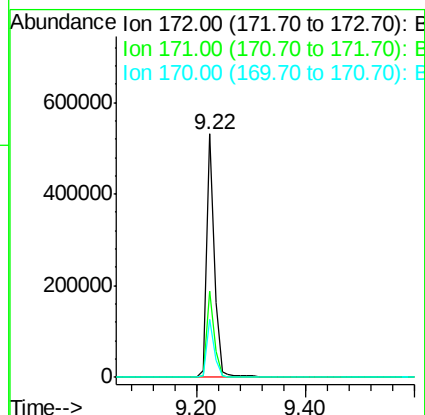
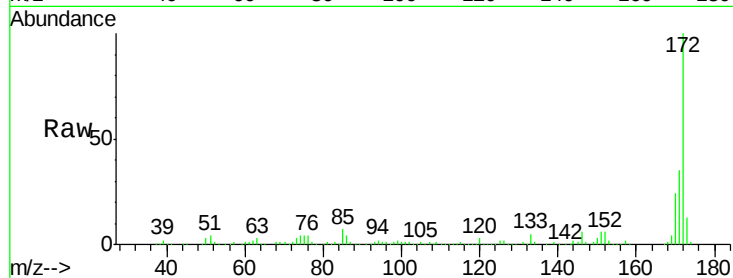




#44
2-Fluorobiphenyl
Concen: 76.13 ng
RT: 9.22 min Scan# 620
Delta R.T. 0.01 min
Lab File: BF082326.D
Acq: 16 Oct 2015 15:20

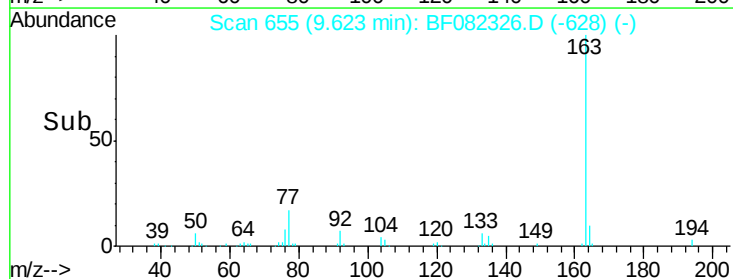
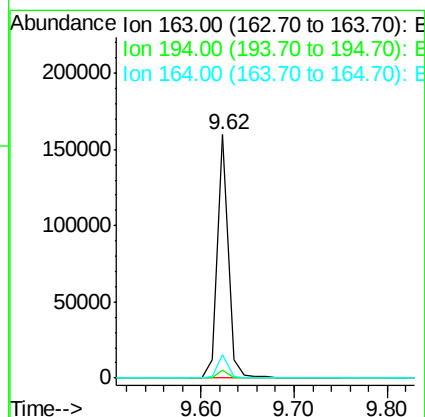
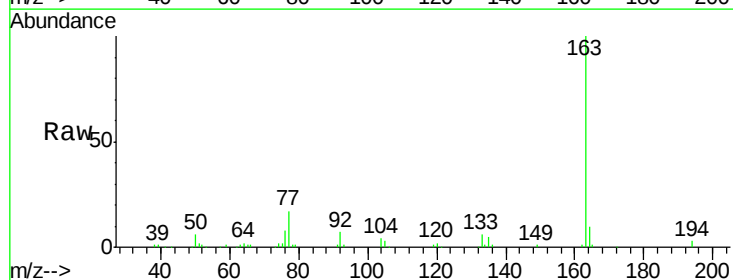
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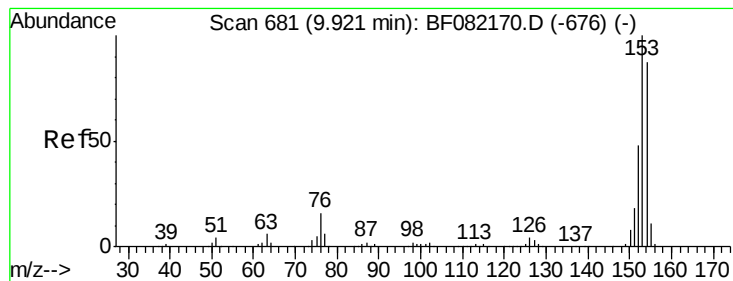
Tot Ion:172 Resp: 519562
Ion Ratio Lower Upper
172 100
171 35.2 28.6 42.8
170 23.6 19.7 29.5



#49
Dimethylphthalate
Concen: 16.34 ng
RT: 9.62 min Scan# 655
Delta R.T. 0.01 min
Lab File: BF082326.D
Acq: 16 Oct 2015 15:20

Tgt Ion:163 Resp: 130209
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 9.7 8.5 12.7





#51

Acenaphthene

Concen: 2.09 ng

RT: 9.93 min Scan# 682

Delta R.T. 0.01 min

Lab File: BF082326.D

Acq: 16 Oct 2015 15:20

Instrument :

BNA_F

ClientSampleId :

CWC-1-20151014

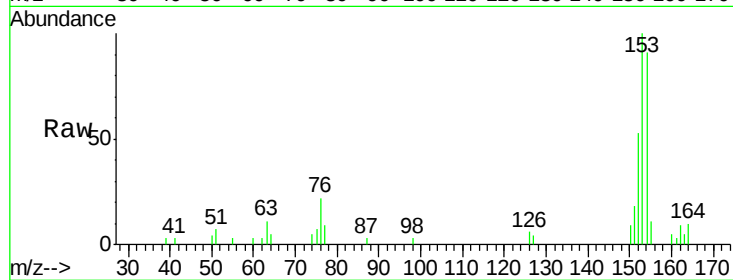
Tot Ion:154 Resp: 13282

Ion Ratio Lower Upper

154 100

153 109.4 91.4 137.2

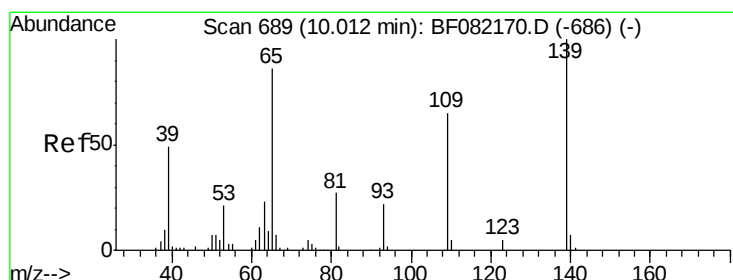
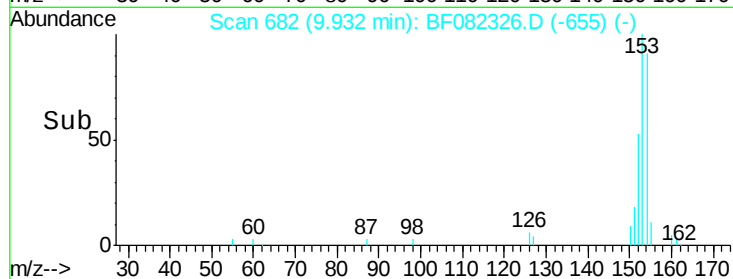
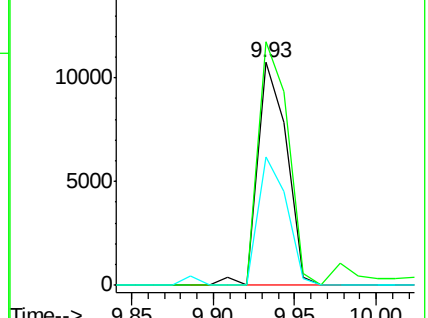
152 57.4 44.3 66.5



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

4-Nitrophenol

Concen: 3.84 ng

RT: 10.11 min Scan# 698

Delta R.T. 0.09 min

Lab File: BF082326.D

Acq: 16 Oct 2015 15:20

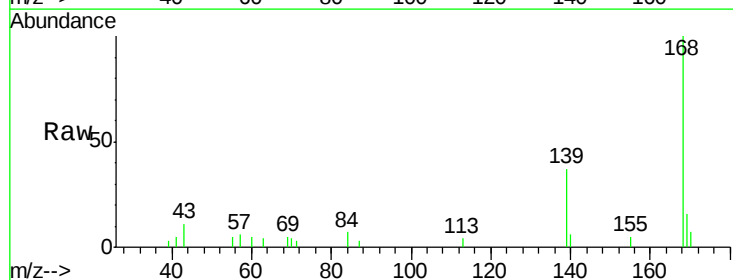
Tgt Ion:139 Resp: 4189

Ion Ratio Lower Upper

139 100

109 0.0 44.8 84.8#

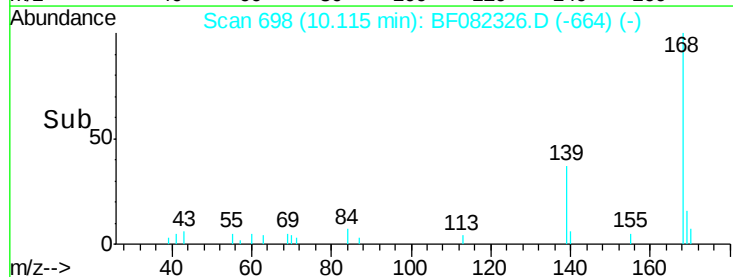
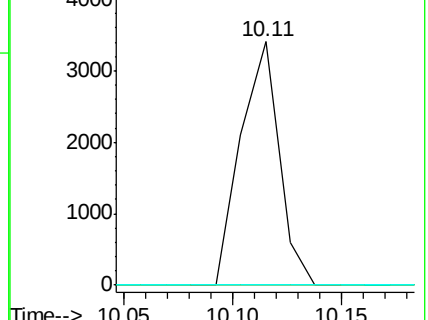
65 0.0 67.7 107.7#

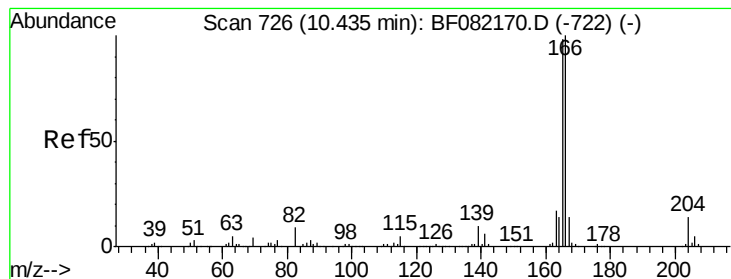


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#57

Fluorene

Concen: 2.74 ng

RT: 10.46 min Scan# 728

Delta R.T. 0.02 min

Lab File: BF082326.D

Acq: 16 Oct 2015 15:20

Instrument :

BNA_F

ClientSampleId :

CWC-1-20151014

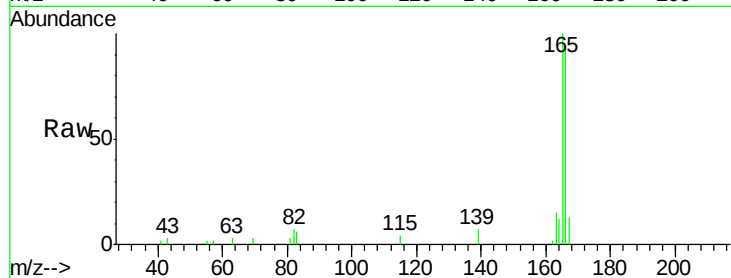
Tot Ion:166 Resp: 19611

Ion Ratio Lower Upper

166 100

165 106.3 78.3 117.5

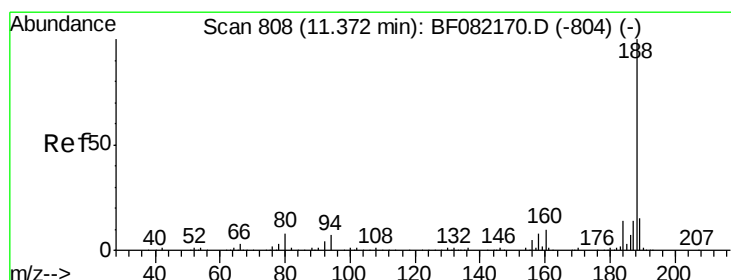
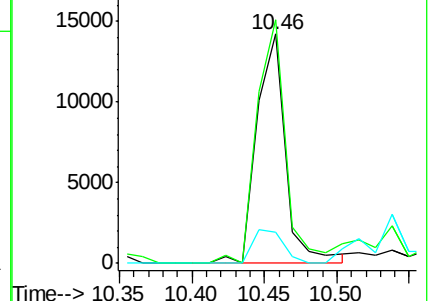
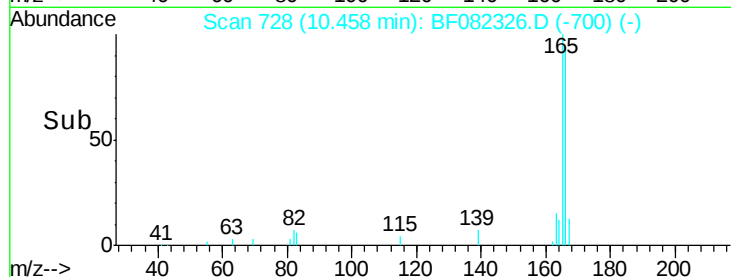
167 13.5 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.39 min Scan# 810

Delta R.T. 0.02 min

Lab File: BF082326.D

Acq: 16 Oct 2015 15:20

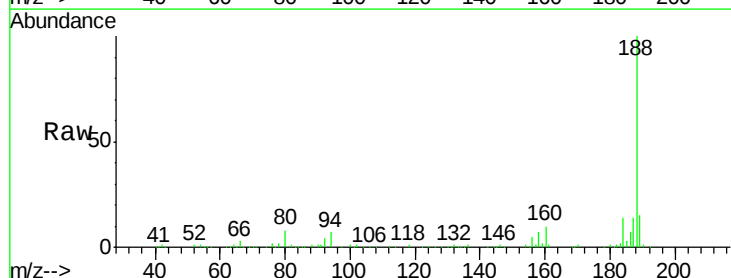
Tgt Ion:188 Resp: 260604

Ion Ratio Lower Upper

188 100

94 7.2 5.8 8.6

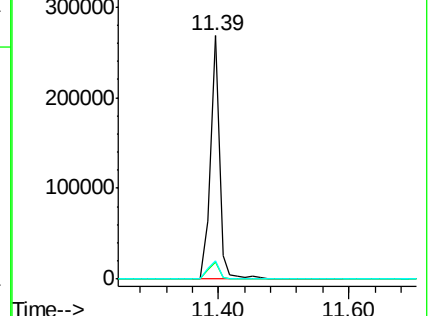
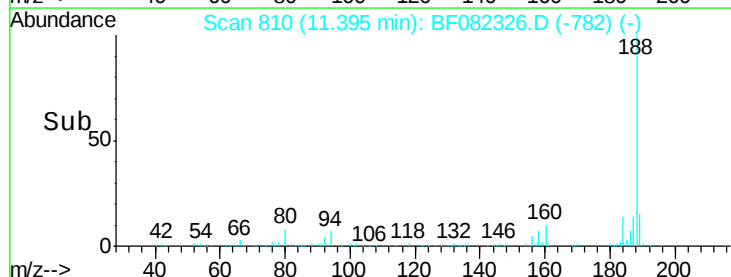
80 7.7 6.4 9.6

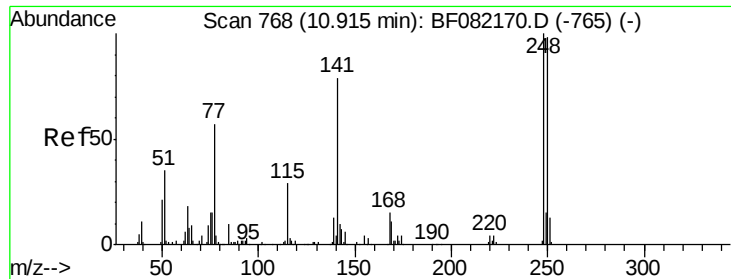


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

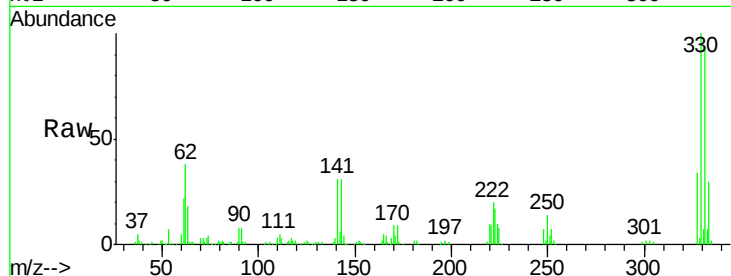




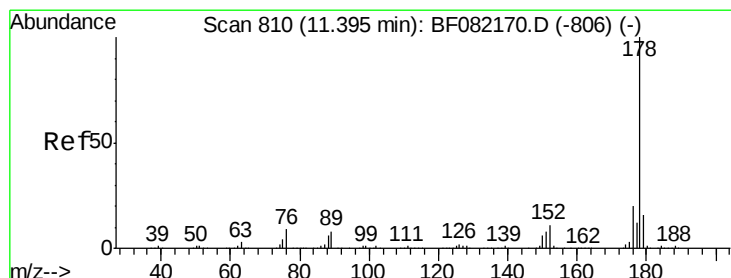
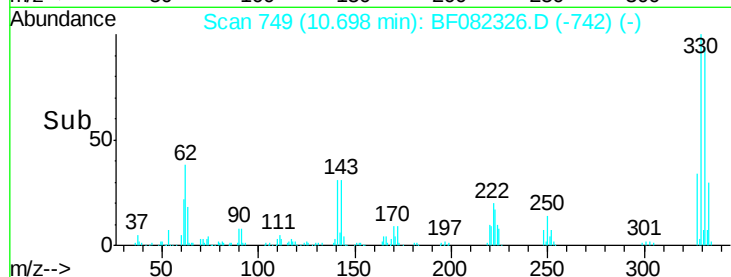
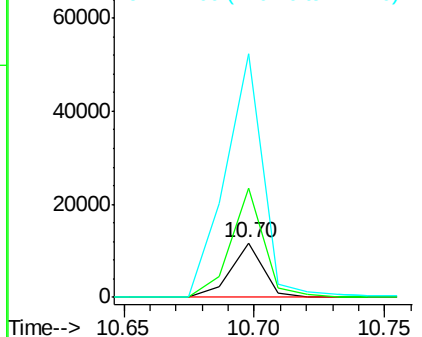
#66
4-Bromophenyl-phenylether
Concen: 3.89 ng
RT: 10.70 min Scan# 749
Delta R.T. -0.22 min
Lab File: BF082326.D
Acq: 16 Oct 2015 15:20

Instrument :
BNA_F
ClientSampleId :
CWC-1-20151014

Tot Ion:248 Resp: 10157
Ion Ratio Lower Upper
248 100
250 200.9 78.6 117.8#
141 449.5 63.3 94.9#

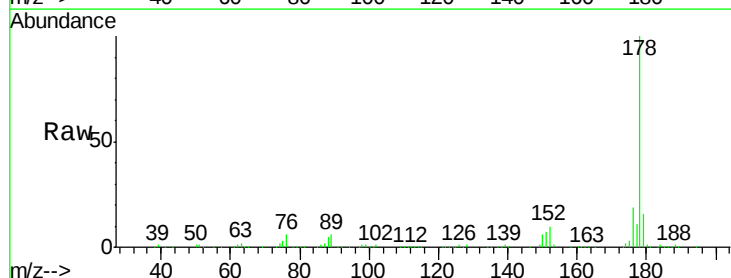


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

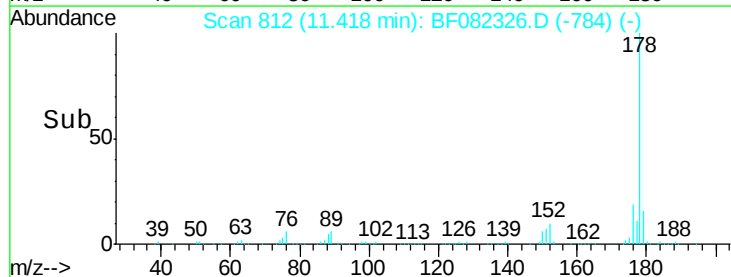
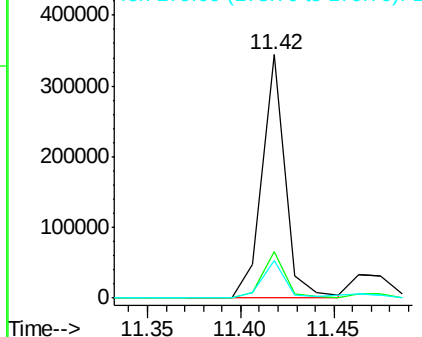


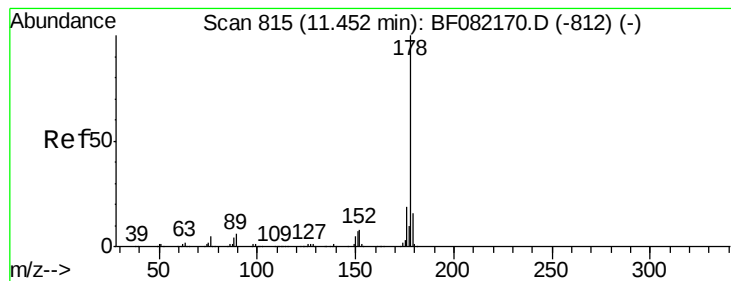
#70
Phenanthrene
Concen: 23.45 ng
RT: 11.42 min Scan# 812
Delta R.T. 0.02 min
Lab File: BF082326.D
Acq: 16 Oct 2015 15:20

Tgt Ion:178 Resp: 299487
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 15.7 12.6 19.0



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: 4.21 ng

RT: 11.46 min Scan# 816

Delta R.T. 0.01 min

Lab File: BF082326.D

Acq: 16 Oct 2015 15:20

Instrument :

BNA_F

ClientSampleId :

CWC-1-20151014

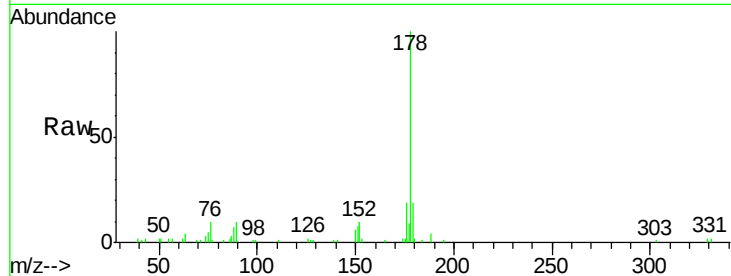
Tot Ion:178 Resp: 55466

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.0

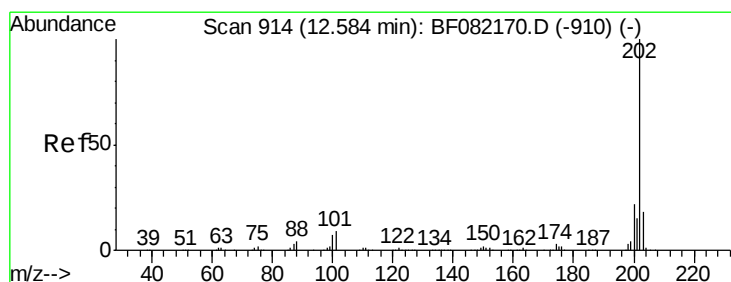
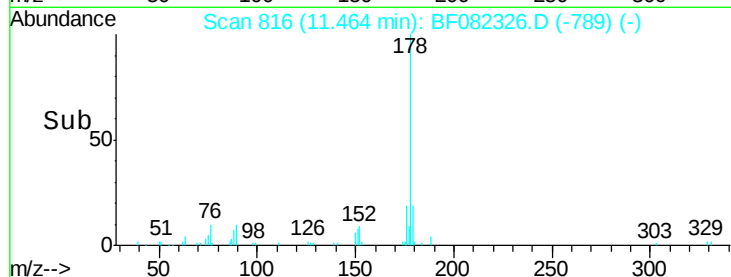
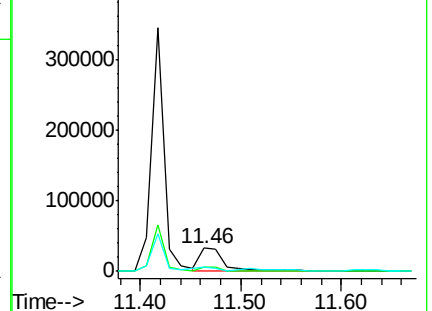
179 18.6 12.5 18.7



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: 21.05 ng

RT: 12.61 min Scan# 916

Delta R.T. 0.01 min

Lab File: BF082326.D

Acq: 16 Oct 2015 15:20

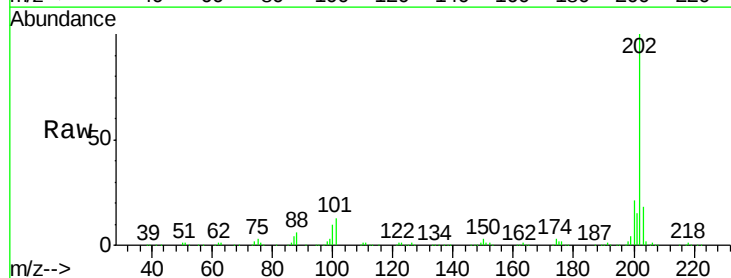
Tgt Ion:202 Resp: 288804

Ion Ratio Lower Upper

202 100

101 12.5 0.0 29.3

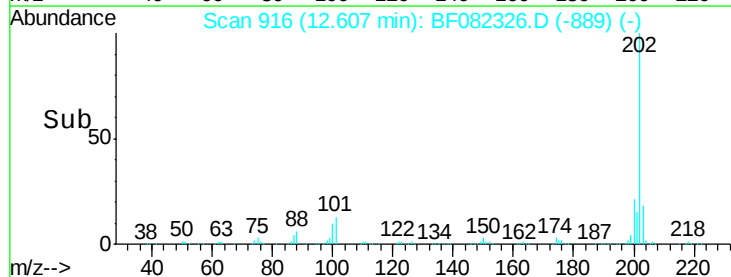
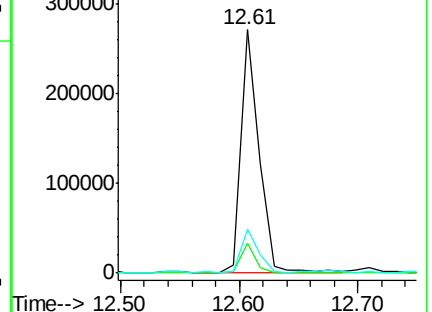
203 18.0 0.0 37.8

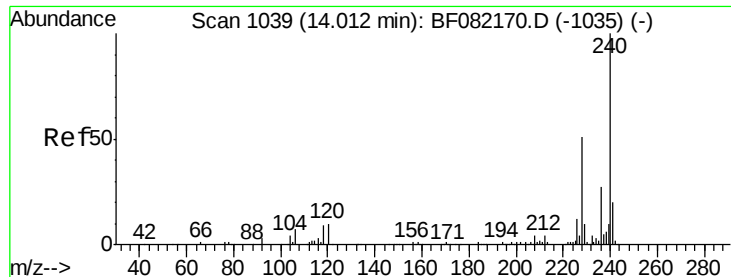


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.12 min Scan# 1048

Delta R.T. 0.05 min

Lab File: BF082326.D

Acq: 16 Oct 2015 15:20

Instrument :

BNA_F

ClientSampleId :

CWC-1-20151014

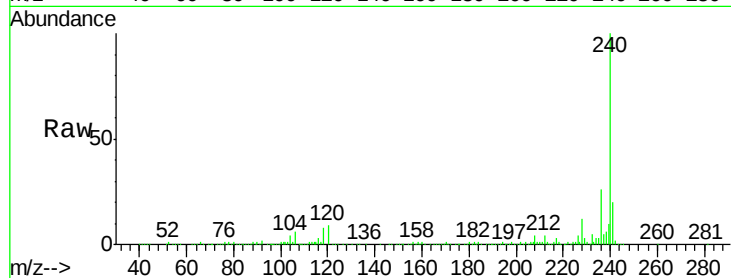
Tot Ion:240 Resp: 283010

Ion Ratio Lower Upper

240 100

120 9.4 8.1 12.1

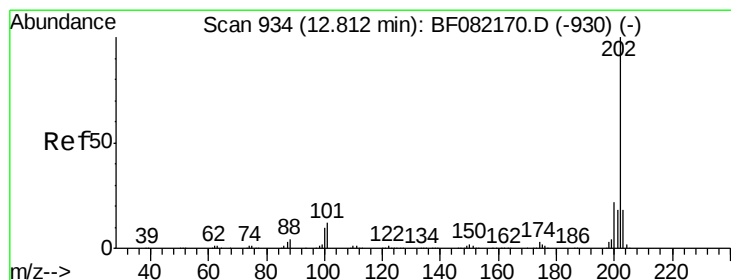
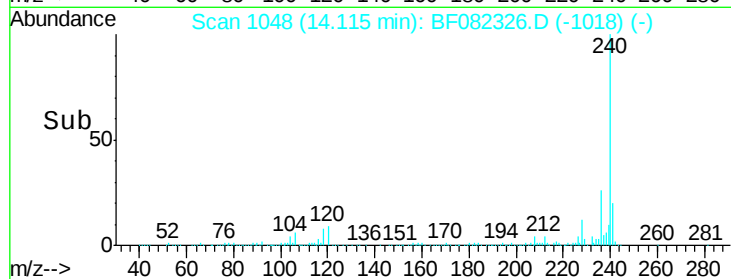
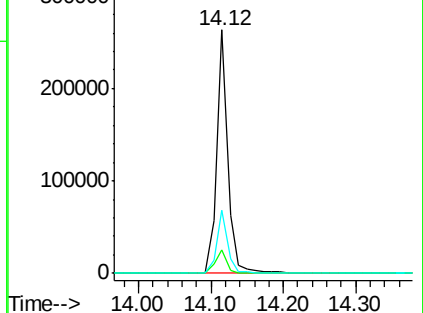
236 26.1 21.3 31.9



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: 19.21 ng

RT: 12.85 min Scan# 937

Delta R.T. 0.02 min

Lab File: BF082326.D

Acq: 16 Oct 2015 15:20

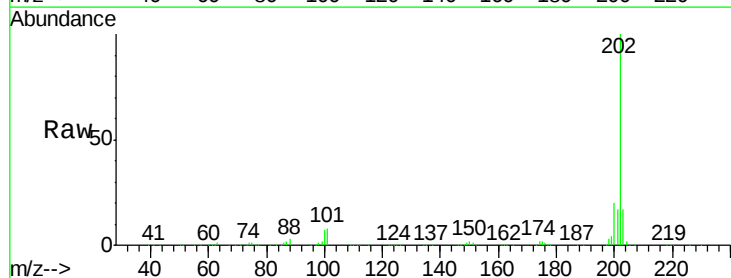
Tgt Ion:202 Resp: 322716

Ion Ratio Lower Upper

202 100

200 20.4 17.9 26.9

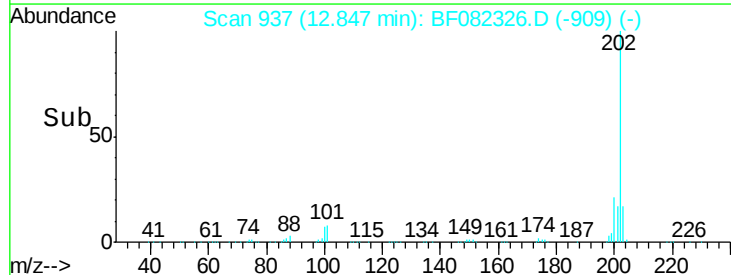
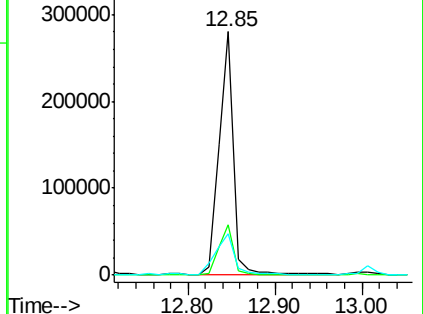
203 16.8 14.5 21.7

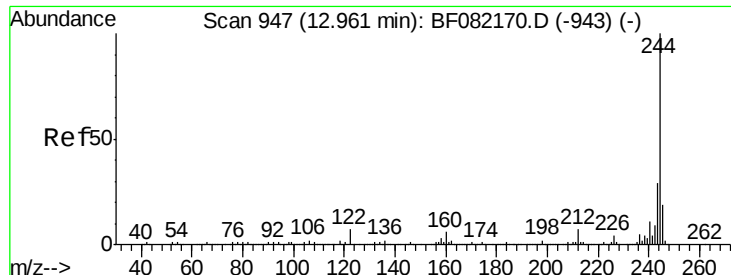


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 66.08 ng

RT: 13.00 min Scan# 950

Delta R.T. 0.03 min

Lab File: BF082326.D

Acq: 16 Oct 2015 15:20

Instrument :

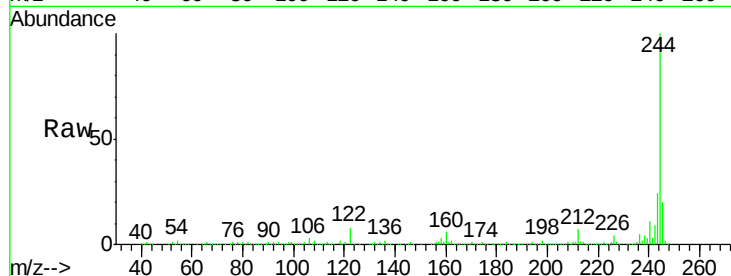
BNA_F

ClientSampleId :

CWC-1-20151014

Tot Ion:244 Resp: 705740

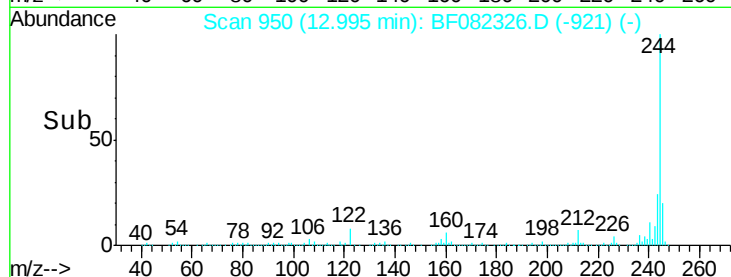
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	8.3	5.9	8.9



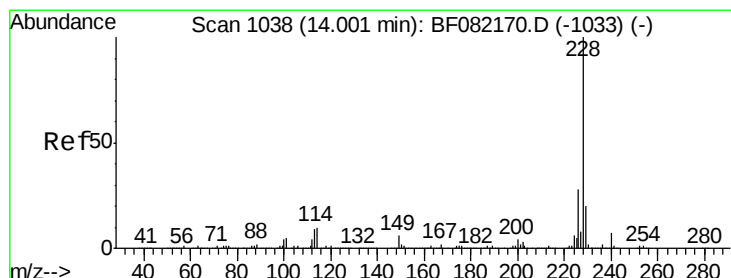
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#80

Benzo(a)anthracene

Concen: 10.21 ng

RT: 14.10 min Scan# 1047

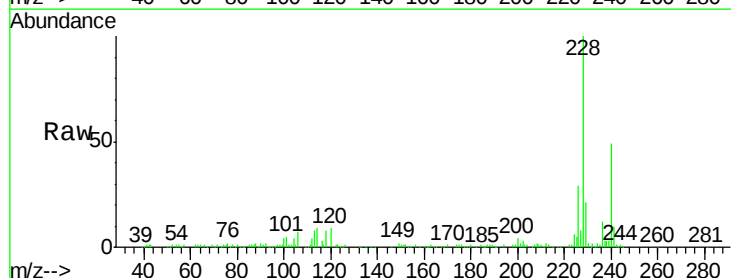
Delta R.T. 0.05 min

Lab File: BF082326.D

Acq: 16 Oct 2015 15:20

Tgt Ion:228 Resp: 150407

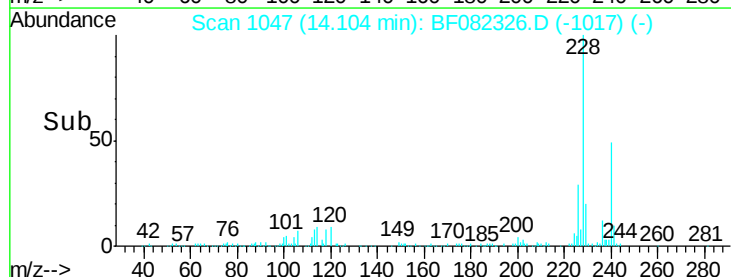
Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.3	33.5
229	20.7	16.2	24.2



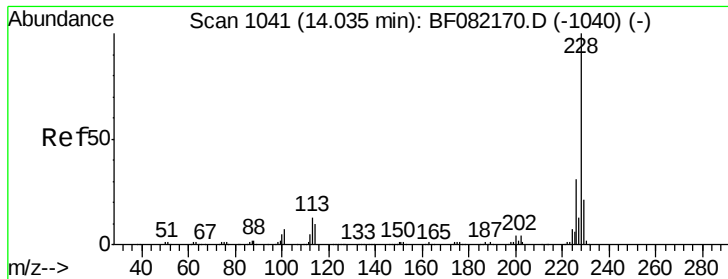
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#82

Chrysene

Concen: 7.82 ng

RT: 14.14 min Scan# 1050

Delta R.T. 0.05 min

Lab File: BF082326.D

Acq: 16 Oct 2015 15:20

Instrument :

BNA_F

ClientSampleId :

CWC-1-20151014

Tot Ion:228 Resp: 121271

Ion Ratio Lower Upper

228 100

226 28.9 24.4 36.6

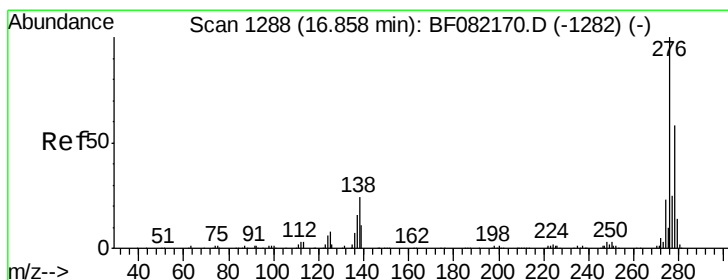
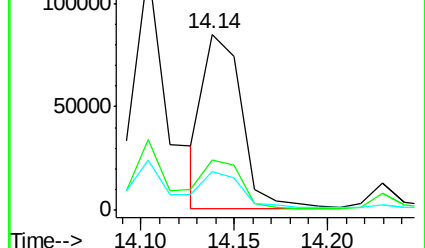
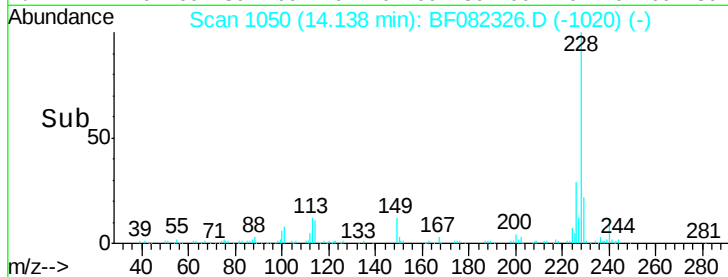
229 22.3 16.3 24.5



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.10 ng

RT: 17.16 min Scan# 1314

Delta R.T. 0.13 min

Lab File: BF082326.D

Acq: 16 Oct 2015 15:20

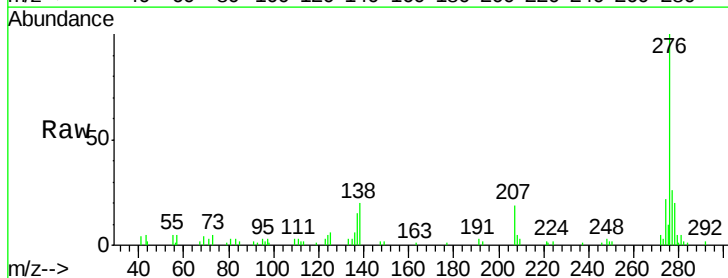
Tgt Ion:276 Resp: 50579

Ion Ratio Lower Upper

276 100

138 20.0 19.7 29.5

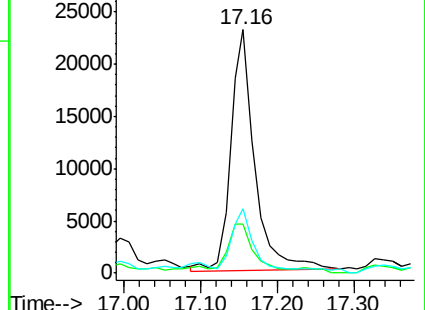
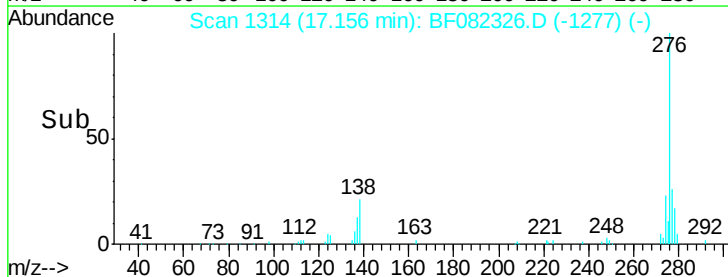
277 28.1 20.1 30.1

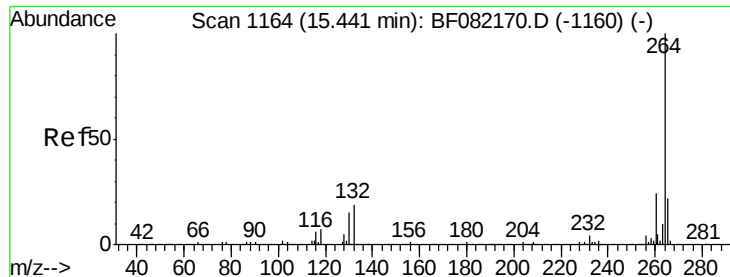


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



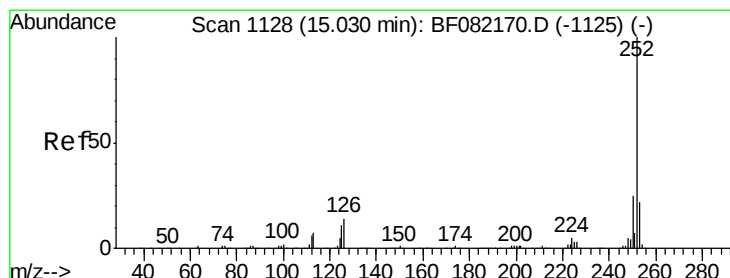
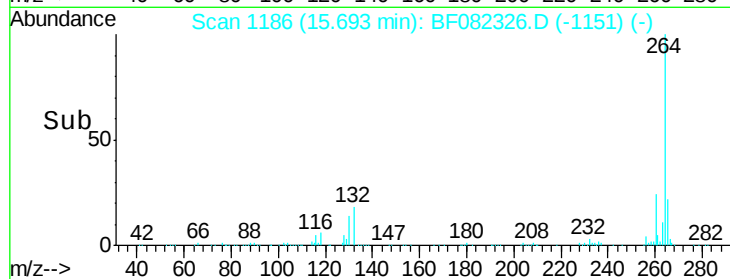
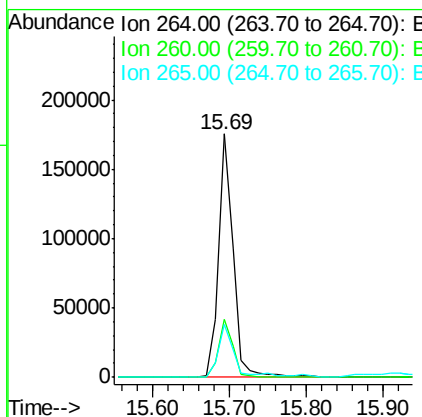
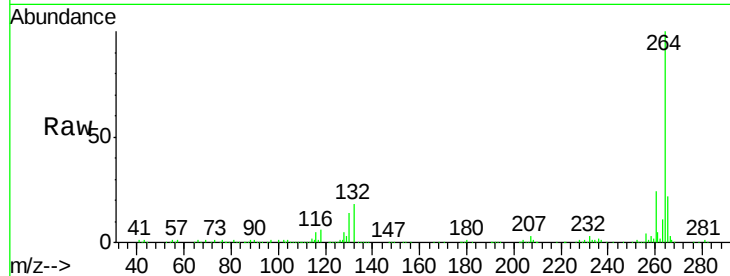


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.69 min Scan# 1186
Delta R.T. 0.10 min
Lab File: BF082326.D
Acq: 16 Oct 2015 15:20

Instrument :
BNA_F
ClientSampleId :
CWC-1-20151014

Tot Ion:264 Resp: 233312

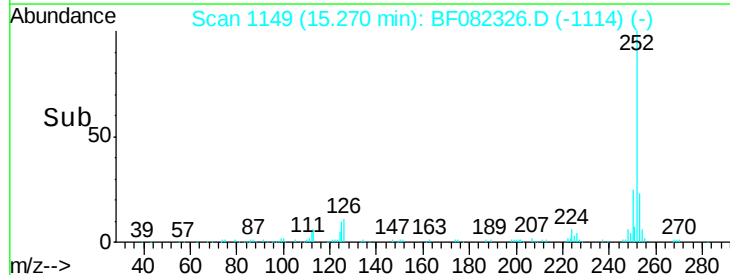
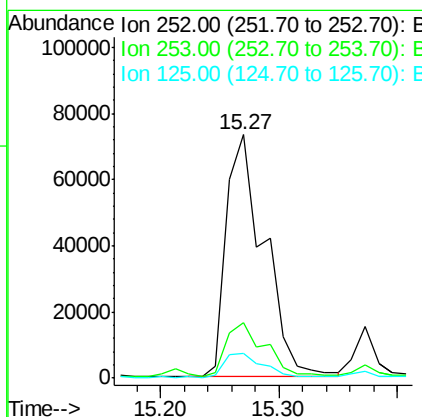
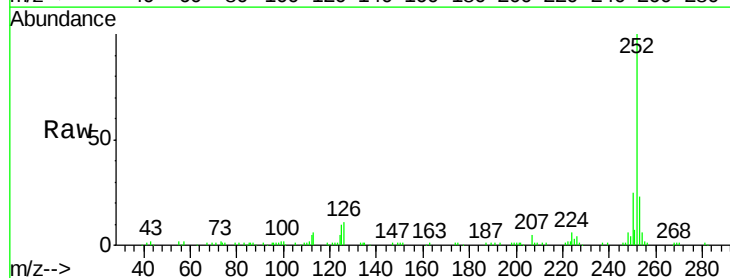
Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.0	28.6
265	21.8	17.3	25.9

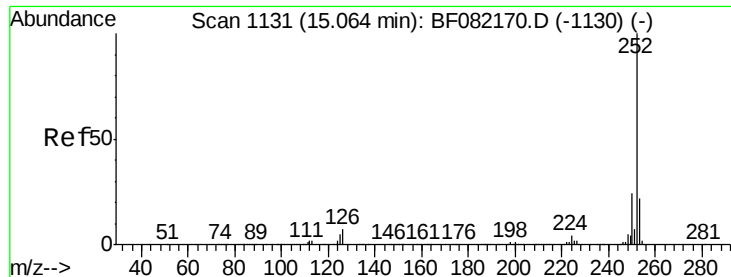


#87
Benzo(b)fluoranthene
Concen: 11.44 ng
RT: 15.27 min Scan# 1149
Delta R.T. 0.10 min
Lab File: BF082326.D
Acq: 16 Oct 2015 15:20

Tgt Ion:252 Resp: 162368

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	10.4	8.6	12.8





#88

Benzo(k)fluoranthene

Concen: 13.61 ng

RT: 15.27 min Scan# 1149

Delta R.T. 0.07 min

Lab File: BF082326.D

Acq: 16 Oct 2015 15:20

Instrument :

BNA_F

ClientSampleId :

CWC-1-20151014

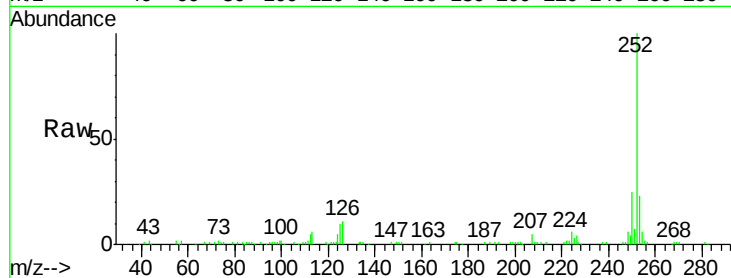
Tot Ion:252 Resp: 162368

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.6

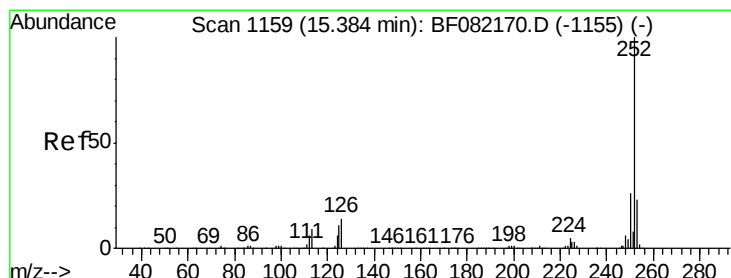
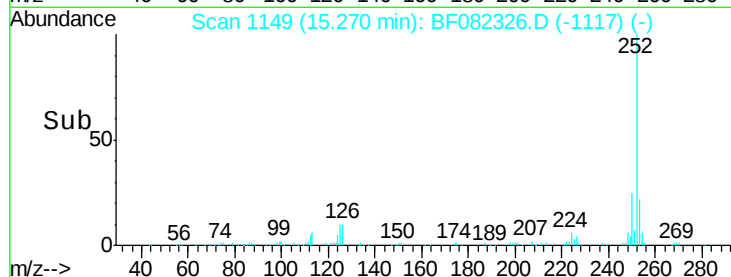
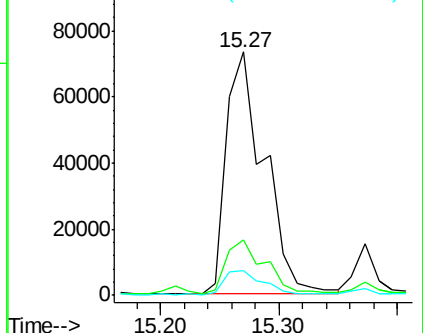
125 10.4 6.7 10.1#



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: 5.15 ng

RT: 15.57 min Scan# 1175

Delta R.T. 0.03 min

Lab File: BF082326.D

Acq: 16 Oct 2015 15:20

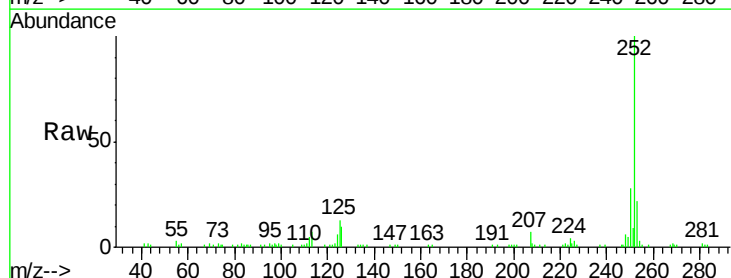
Tgt Ion:252 Resp: 62796

Ion Ratio Lower Upper

252 100

253 21.9 18.2 27.2

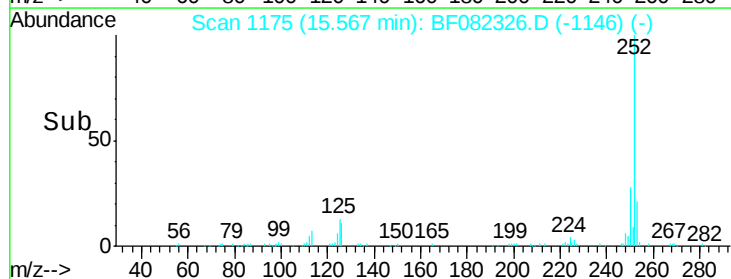
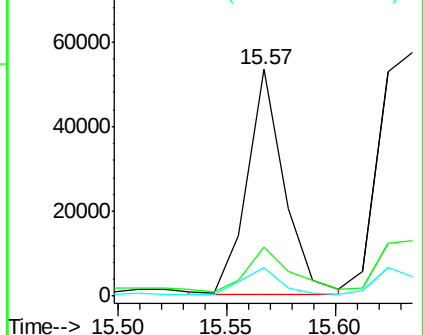
125 12.6 8.9 13.3

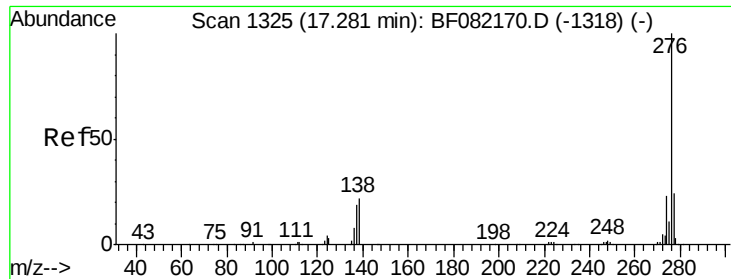


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 5.47 ng

RT: 17.59 min Scan# 1352

Delta R.T. 0.13 min

Lab File: BF082326.D

Acq: 16 Oct 2015 15:20

Instrument :

BNA_F

ClientSampleId :

CWC-1-20151014

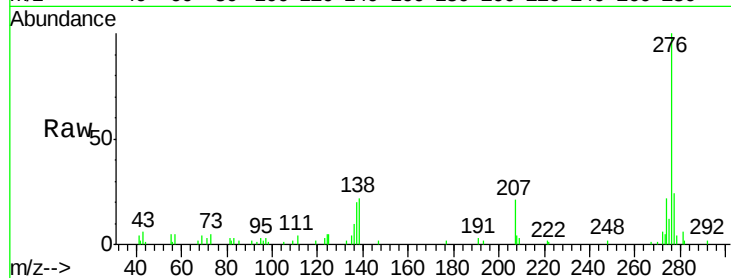
Tot Ion:276 Resp: 53148

Ion Ratio Lower Upper

276 100

277 24.5 18.8 28.2

138 21.7 17.4 26.2



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

