

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090117\
 Data File : BF098224.D
 Acq On : 1 Sep 2017 14:08
 Operator : SJ/JU
 Sample : I5006-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-14-COMP

Quant Time: Sep 01 16:21:26 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	113762	20.00	ng	-0.04
21) Naphthalene-d8	8.00	136	460067	20.00	ng	-0.03
38) Acenaphthene-d10	9.75	164	196497	20.00	ng	-0.04
63) Phenanthrene-d10	11.23	188	316480	20.00	ng	-0.03
75) Chrysene-d12	13.87	240	226251	20.00	ng	-0.03
86) Perylene-d12	15.29	264	205703	20.00	ng	-0.02

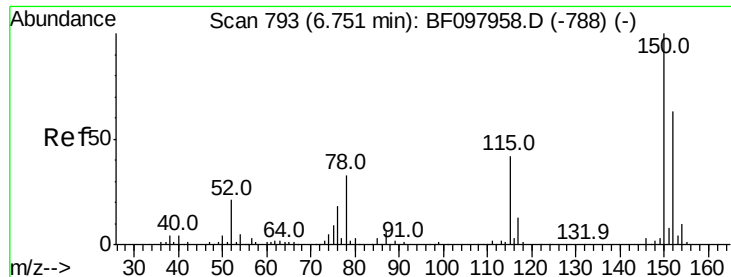
System Monitoring Compounds

5) 2-Fluorophenol	5.33	112	920121	123.03	ng	-0.02
7) Phenol-d6	6.37	99	1258466	123.84	ng	-0.02
23) Nitrobenzene-d5	7.29	82	780872	92.21	ng	-0.04
41) 2,4,6-Tribromophenol	10.55	330	208039	122.02	ng	-0.03
44) 2-Fluorobiphenyl	9.08	172	1047087	78.29	ng	-0.03
78) Terphenyl-d14	12.82	244	677773	62.47	ng	-0.03

Target Compounds

						Qvalue
10) Phenol	6.38	94	47706	4.014	ng	87
19) n-Nitroso-di-n-propylamine	7.29	70	103529	14.883	ng	# 71
25) Isophorone	7.29	82	769657	43.706	ng	# 67
32) Benzoic acid	7.80	122	157	6.430	ng	# 30
49) Dimethylphthalate	9.47	163	199467	13.887	ng	99
55) 4-Nitrophenol	9.96	139	11428	3.873	ng	# 27
56) 2,4-Dinitrotoluene	9.75	165	25466	7.078	ng	# 33
57) Fluorene	10.30	166	27880	2.052	ng	# 97
64) 4,6-Dinitro-2-methylphenol	10.54	198	356	8.518	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	13494	4.106	ng	# 1
70) Phenanthrene	11.26	178	308092	18.269	ng	99
71) Anthracene	11.31	178	85027	4.971	ng	98
74) Fluoranthene	12.45	202	342825	19.476	ng	99
77) Pyrene	12.67	202	308698	16.682	ng	98
80) Benzo(a)anthracene	13.86	228	159486	11.761	ng	98
82) Chrysene	13.89	228	131718	9.765	ng	98
87) Benzo(b)fluoranthene	14.88	252	208811	16.104	ng	97
88) Benzo(k)fluoranthene	14.88	252	208811	17.141	ng	96
89) Benzo(a)pyrene	15.23	252	112328	9.786	ng	98
91) Benzo(a,h,i)perylene	17.06	276	45176	4.633	ng	92

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

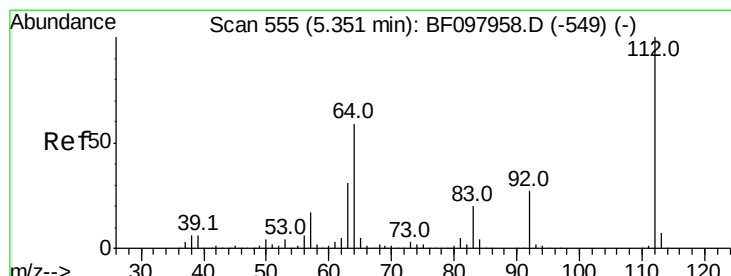
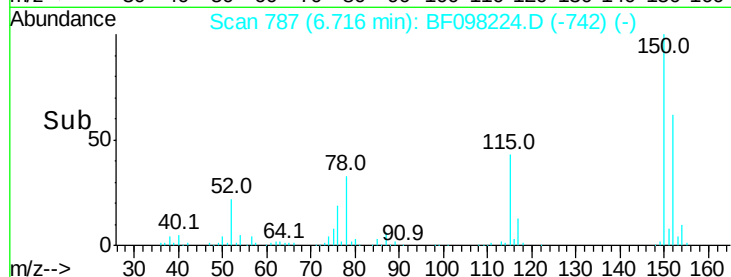
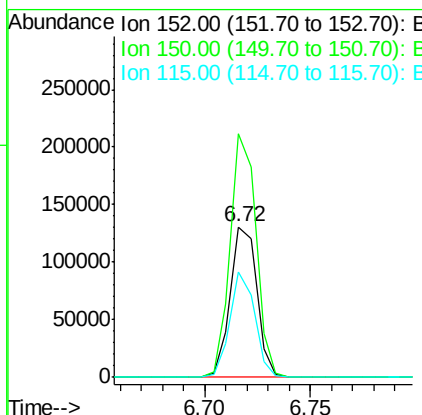
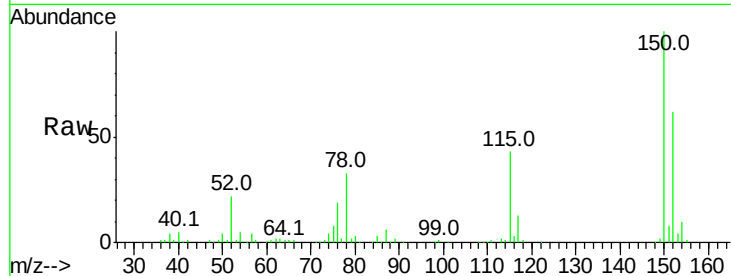


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.04 min
Lab File: BF098224.D
Acq: 1 Sep 2017 14:08

Instrument :
BNA_F
ClientSampleId :
SB-14-COMP

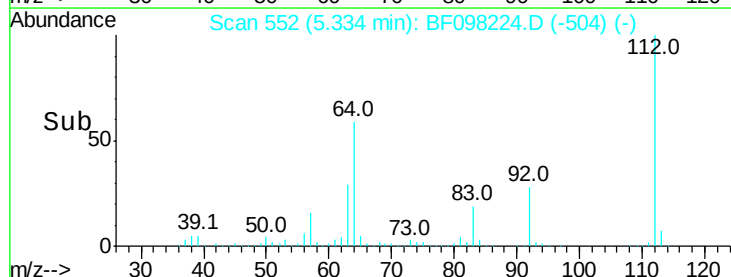
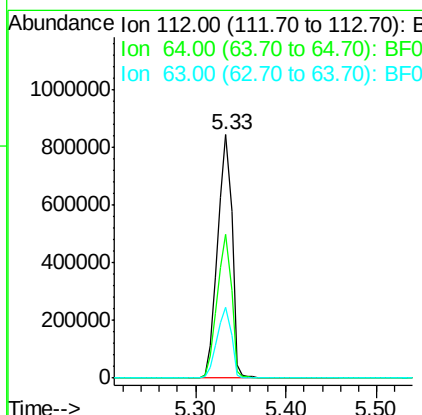
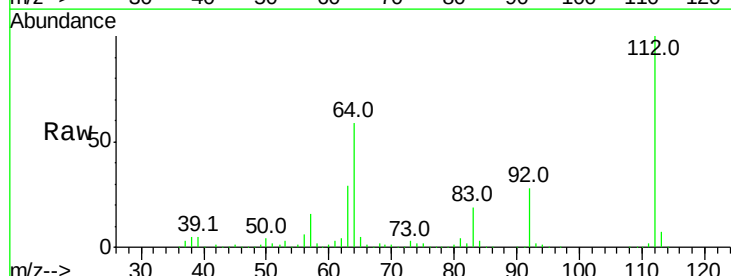
Tot Ion:152 Resp: 113762
Ion Ratio Lower Upper
152 100
150 162.0 126.2 189.2
115 70.1 52.2 78.2

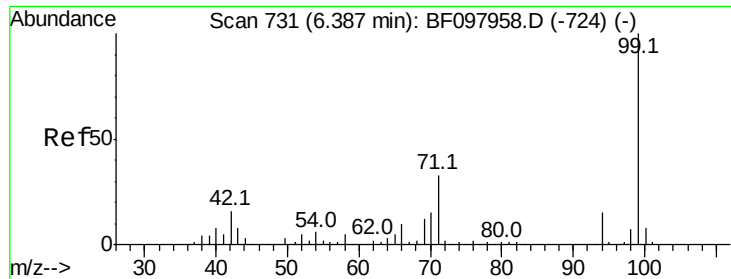


#5

2-Fluorophenol
Concen: 123.026 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.02 min
Lab File: BF098224.D
Acq: 1 Sep 2017 14:08

Tgt Ion:112 Resp: 920121
Ion Ratio Lower Upper
112 100
64 58.9 46.0 69.0
63 29.3 23.4 35.0





#7

Phenol-d6

Concen: 123.842 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF098224.D

Acq: 1 Sep 2017 14:08

Instrument :

BNA_F

ClientSampleId :

SB-14-COMP

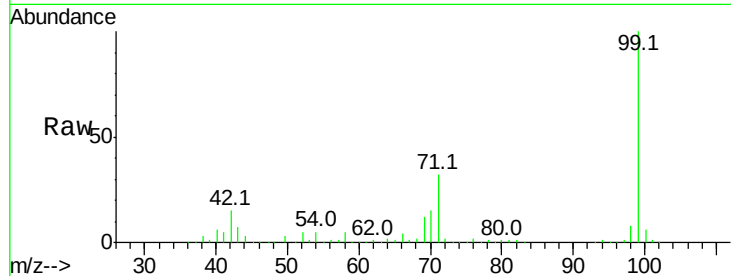
Tot Ion: 99 Resp: 1258466

Ion	Ratio	Lower	Upper
99	100		
42	14.8	13.5	20.3
71	32.3	24.5	36.7

99 100

42 14.8 13.5 20.3

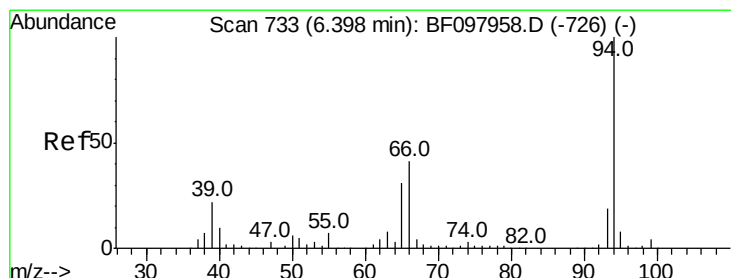
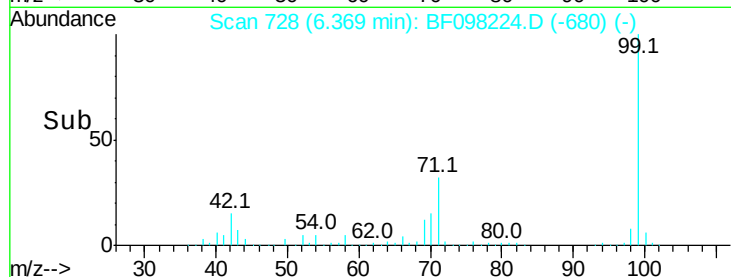
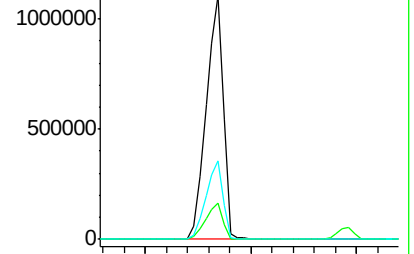
71 32.3 24.5 36.7



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



#10

Phenol

Concen: 4.014 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.02 min

Lab File: BF098224.D

Acq: 1 Sep 2017 14:08

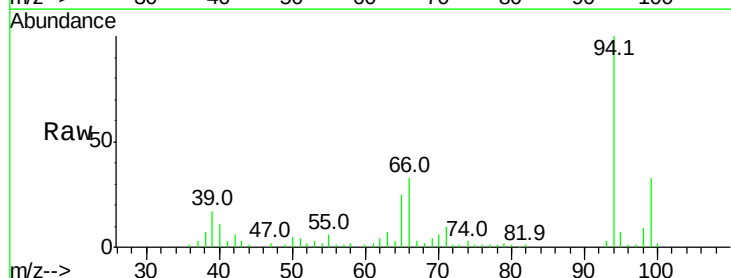
Tgt Ion: 94 Resp: 47706

Ion	Ratio	Lower	Upper
94	100		
65	25.3	9.9	49.9
66	32.9	23.1	63.1

94 100

65 25.3 9.9 49.9

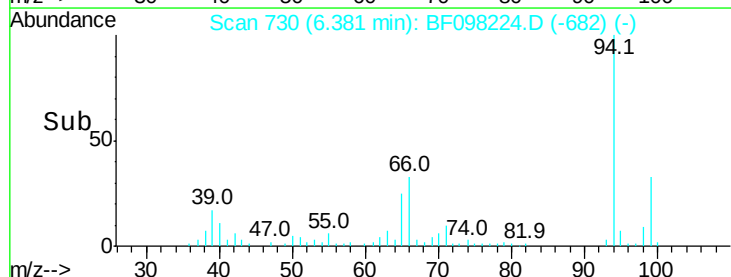
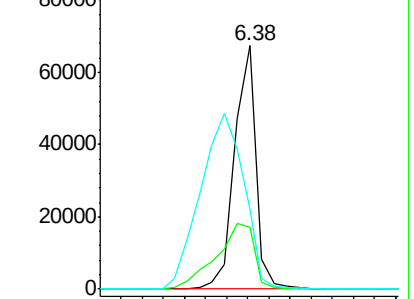
66 32.9 23.1 63.1

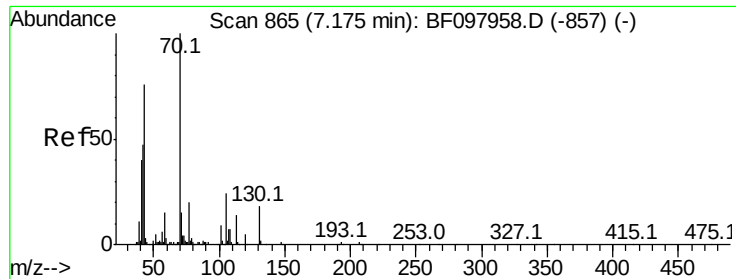


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 14.883 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.11 min

Lab File: BF098224.D

Acq: 1 Sep 2017 14:08

Instrument :

BNA_F

ClientSampleId :

SB-14-COMP

Tot Ion: 70 Resp: 103529

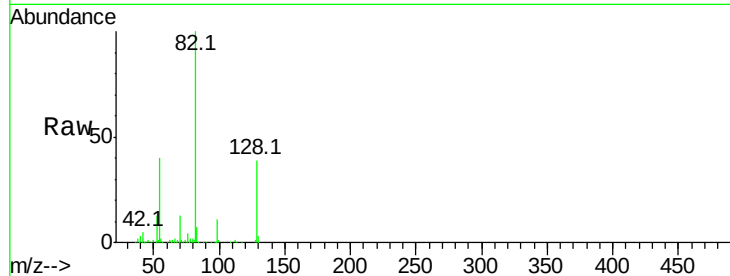
Ion Ratio Lower Upper

70 100

42 39.8 47.2 70.8#

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#

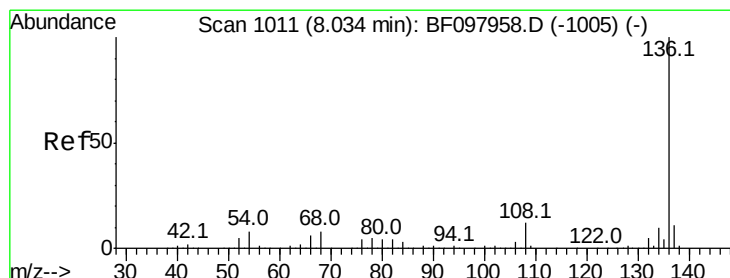
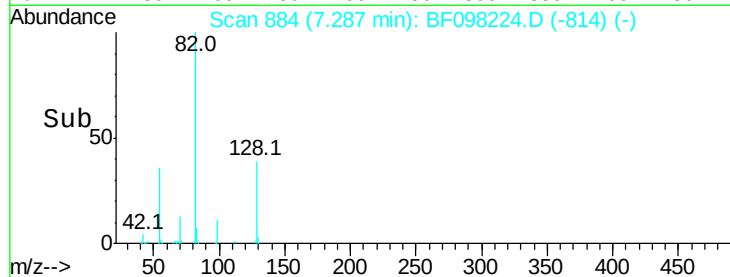
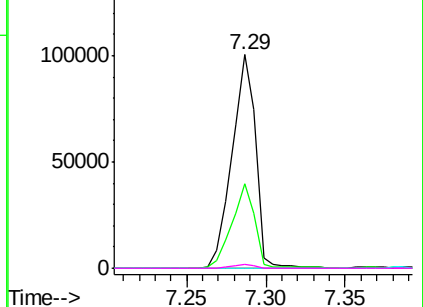


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.03 min

Lab File: BF098224.D

Acq: 1 Sep 2017 14:08

Tgt Ion: 136 Resp: 460067

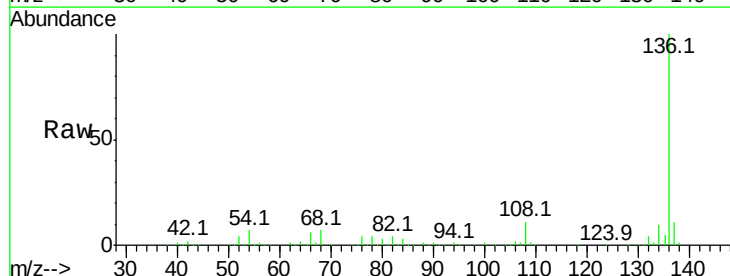
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 6.9 4.9 7.3

68 6.8 4.1 6.1#

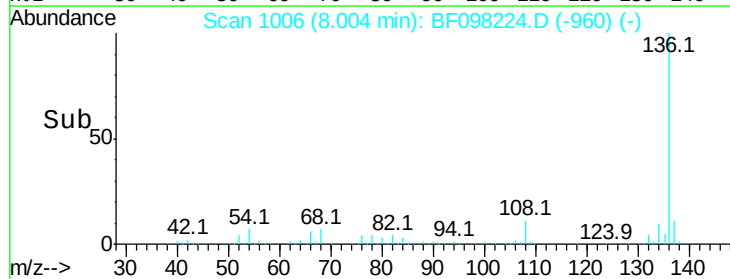
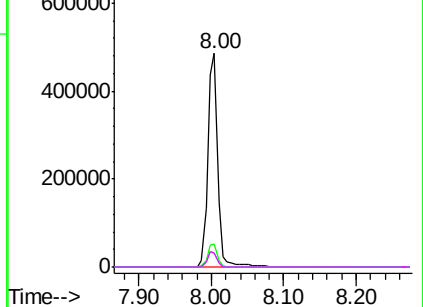


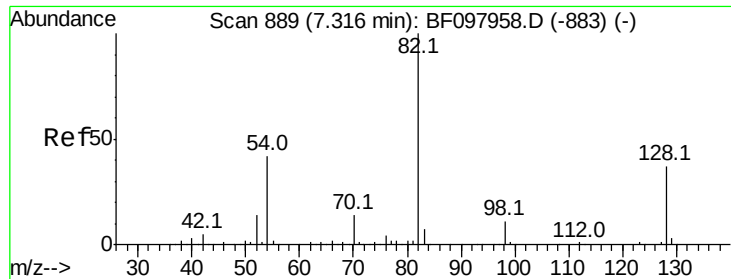
Abundance Ion 136.00 (135.70 to 136.70): E

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

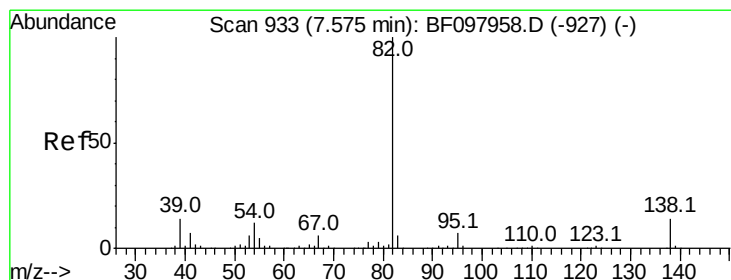
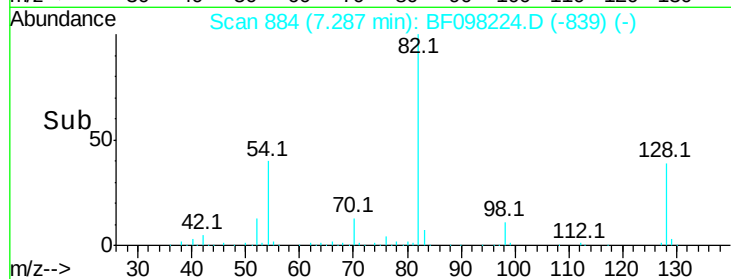
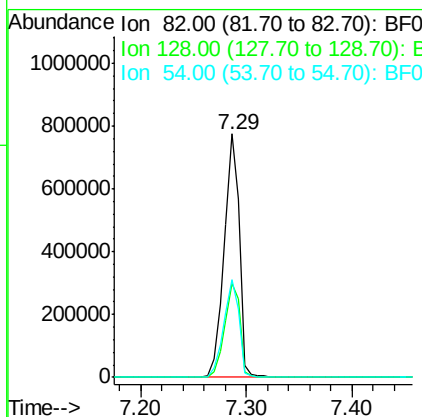
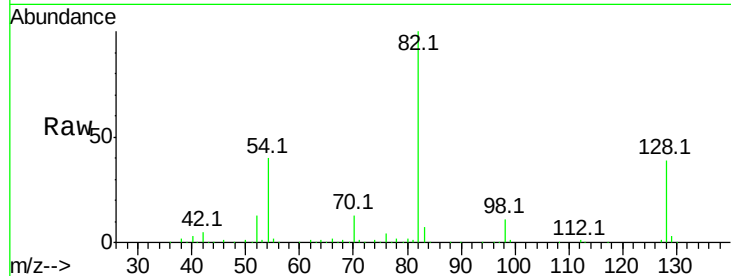




#23
 Nitrobenzene-d5
 Concen: 92.205 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.04 min
 Lab File: BF098224.D
 Acq: 1 Sep 2017 14:08

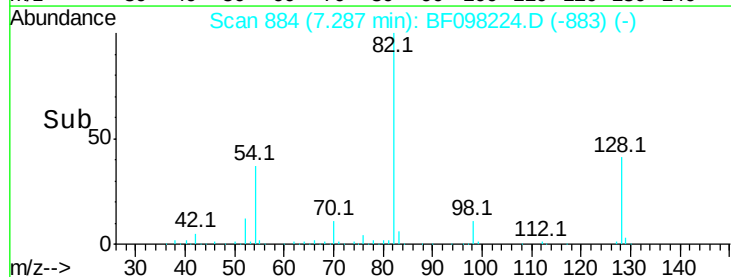
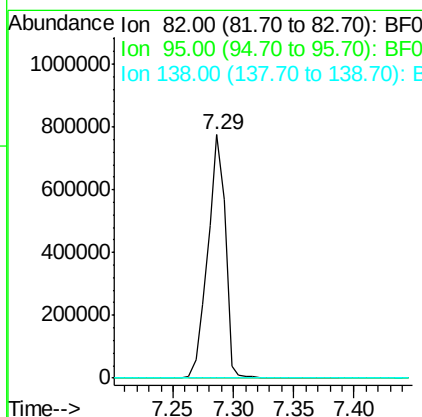
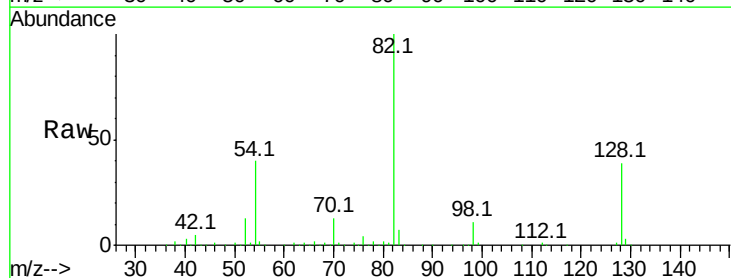
Instrument :
 BNA_F
 ClientSampleId :
 SB-14-COMP

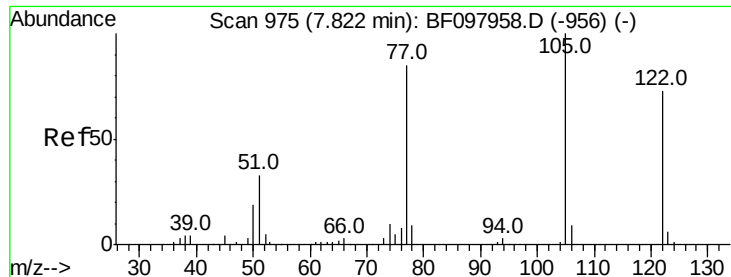
Tot Ion	82	Resp	780872
Ion Ratio	100	Lower	Upper
128	38.7	34.0	51.0
54	40.2	42.2	63.2#



#25
 Isophorone
 Concen: 43.706 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.29 min
 Lab File: BF098224.D
 Acq: 1 Sep 2017 14:08

Tgt Ion	82	Resp	769657
Ion Ratio	100	Lower	Upper
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

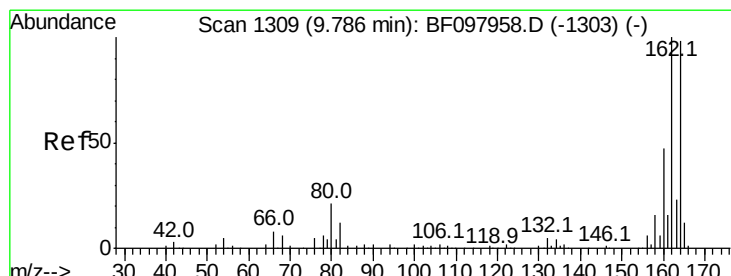
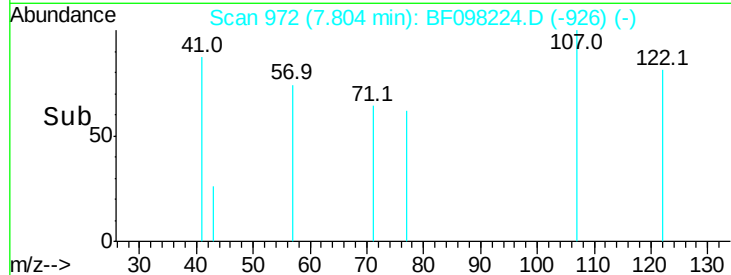
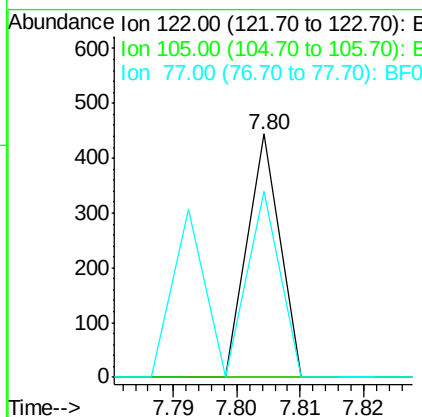
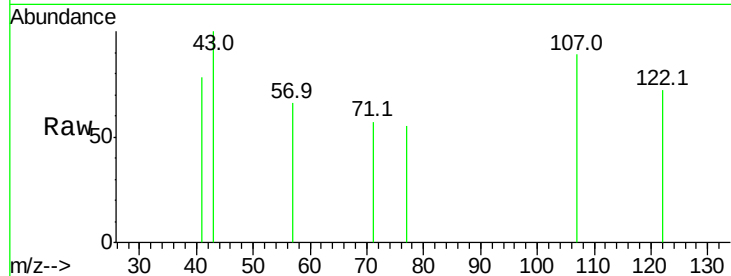




#32
Benzoic acid
Concen: 6.430 ng
RT: 7.80 min Scan# 972
Delta R.T. -0.03 min
Lab File: BF098224.D
Acq: 1 Sep 2017 14:08

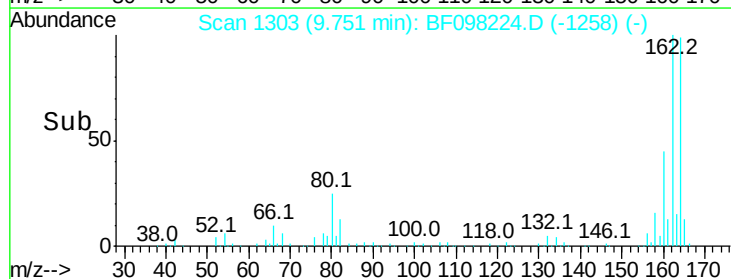
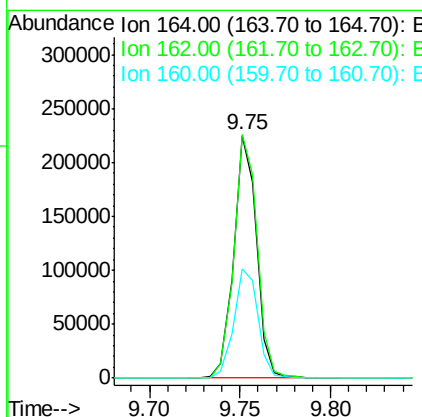
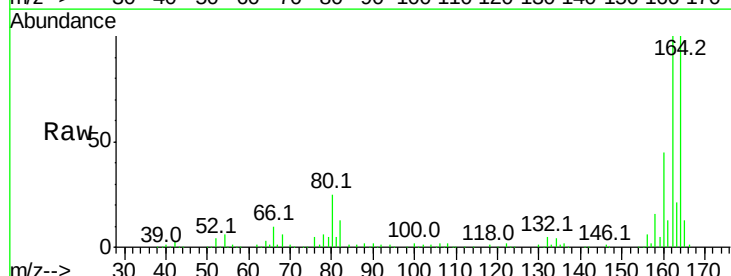
Instrument :
BNA_F
ClientSampleId :
SB-14-COMP

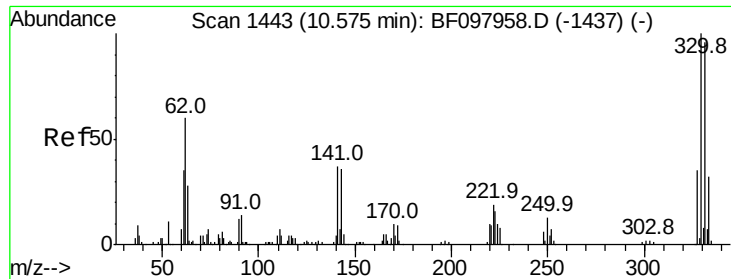
Tot Ion:122 Resp: 157
Ion Ratio Lower Upper
122 100
105 0.0 103.3 143.3#
77 76.6 73.7 113.7



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.04 min
Lab File: BF098224.D
Acq: 1 Sep 2017 14:08

Tgt Ion:164 Resp: 196497
Ion Ratio Lower Upper
164 100
162 100.3 82.6 123.8
160 44.8 36.2 54.2

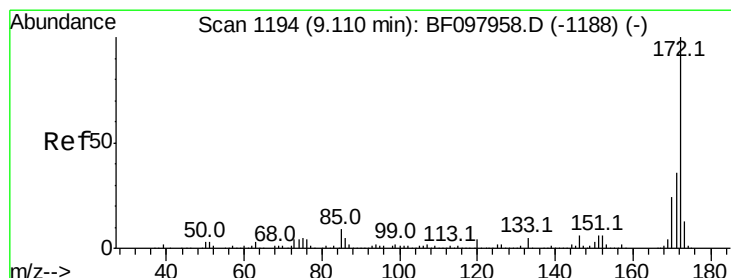
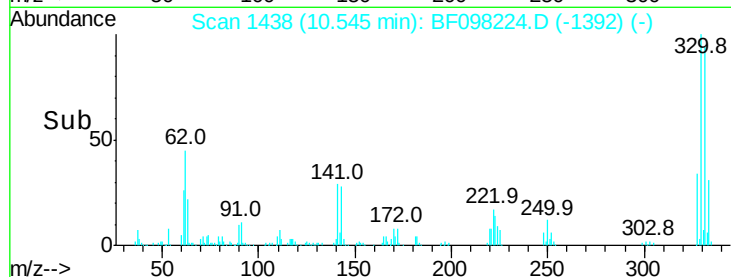
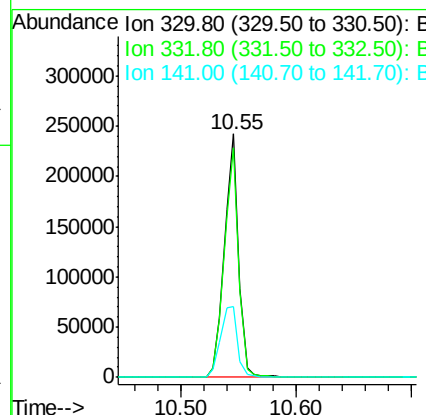
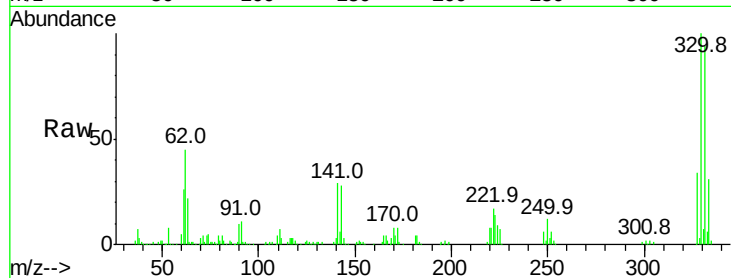




#41
 2,4,6-Tribromophenol
 Concen: 122.022 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.03 min
 Lab File: BF098224.D
 Acq: 1 Sep 2017 14:08

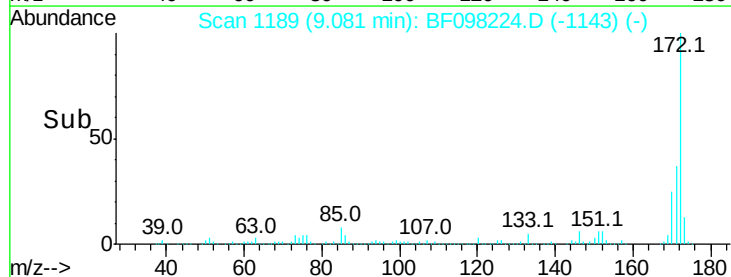
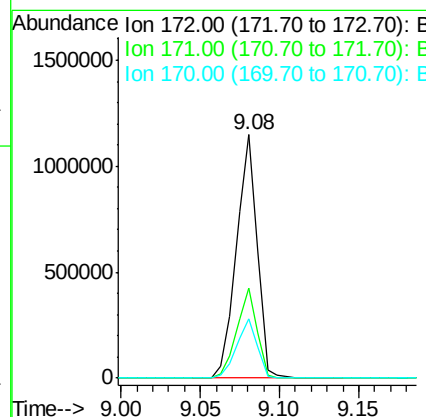
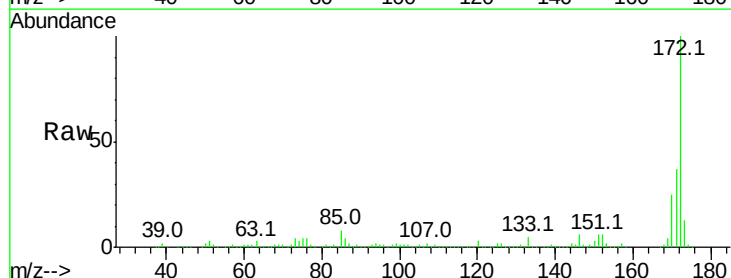
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 SB-14-COMP

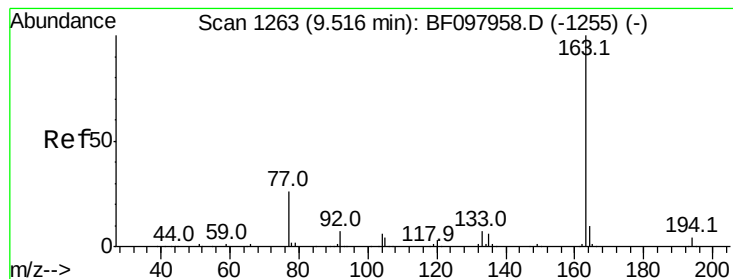
Tot Ion:330 Resp: 208039
 Ion Ratio Lower Upper
 330 100
 332 95.4 76.6 115.0
 141 35.2 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 78.291 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.03 min
 Lab File: BF098224.D
 Acq: 1 Sep 2017 14:08

Tgt Ion:172 Resp: 1047087
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.6 44.4
 170 24.6 19.8 29.8





#49

Dimethylphthalate

Concen: 13.887 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.04 min

Lab File: BF098224.D

Acq: 1 Sep 2017 14:08

Instrument :

BNA_F

ClientSampleId :

SB-14-COMP

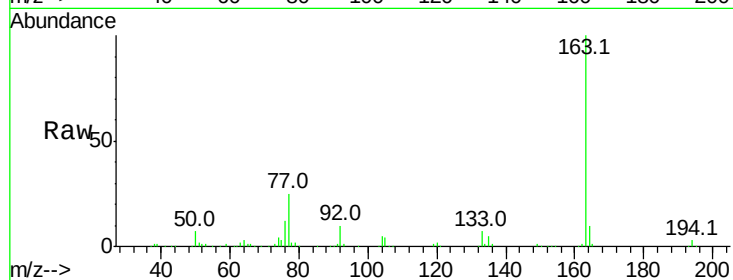
Tot Ion:163 Resp: 199467

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

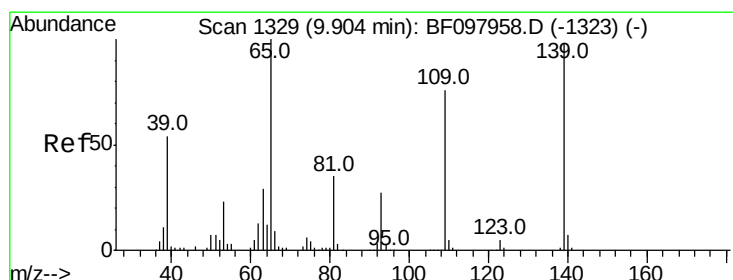
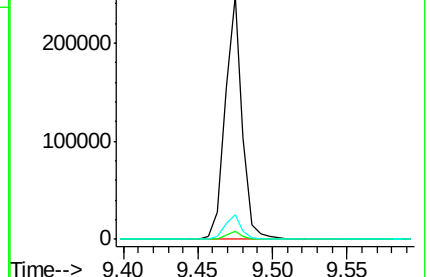
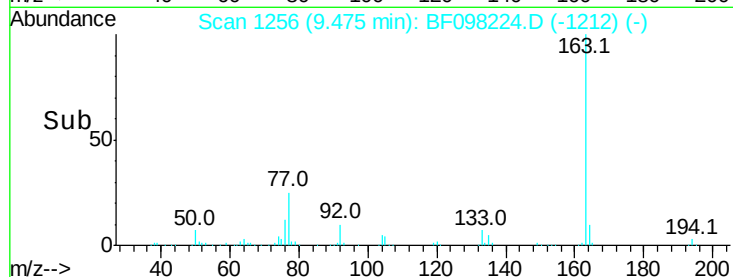
164 10.1 8.4 12.6



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: 3.873 ng

RT: 9.96 min Scan# 1338

Delta R.T. 0.06 min

Lab File: BF098224.D

Acq: 1 Sep 2017 14:08

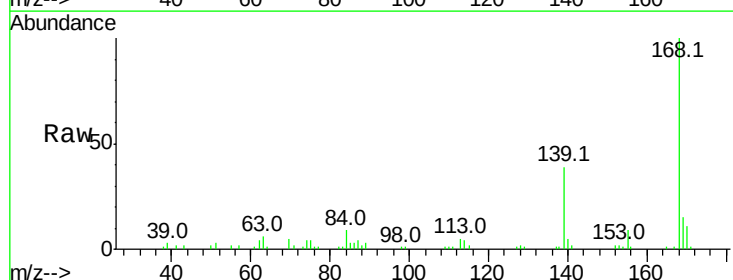
Tgt Ion:139 Resp: 11428

Ion Ratio Lower Upper

139 100

109 2.3 34.1 74.1#

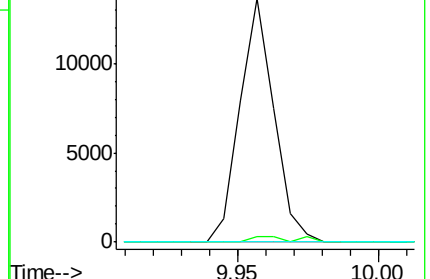
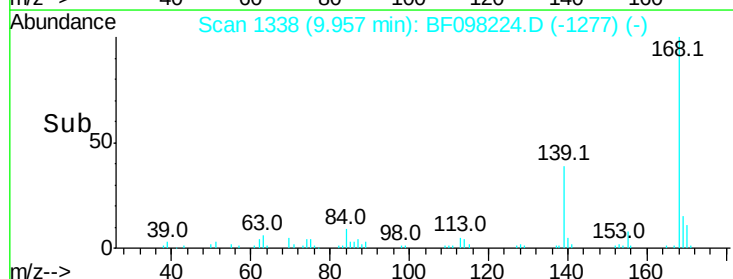
65 0.0 31.4 71.4#

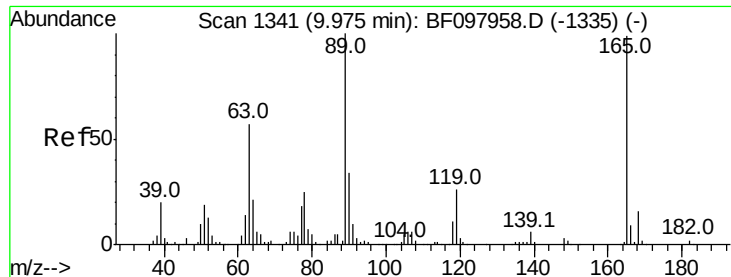


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

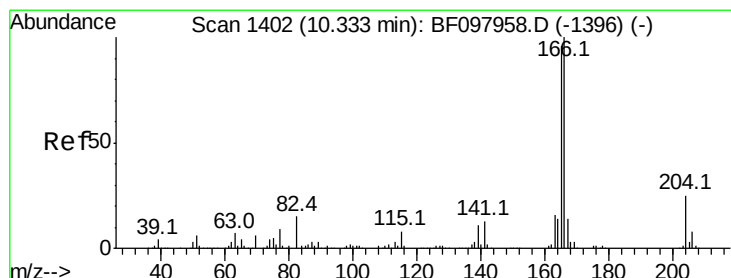
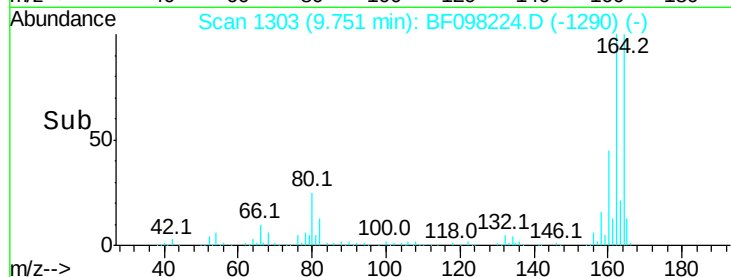
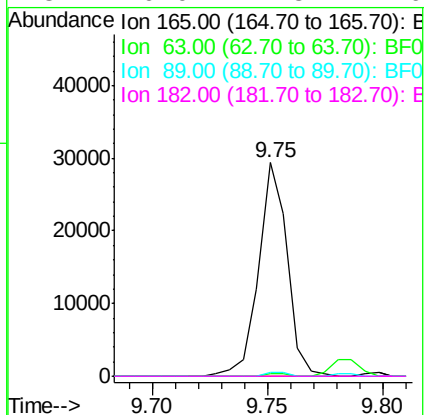
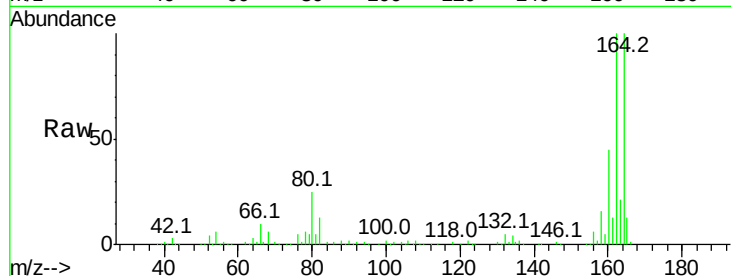




#56
2,4-Dinitrotoluene
Concen: 7.078 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.22 min
Lab File: BF098224.D
Acq: 1 Sep 2017 14:08

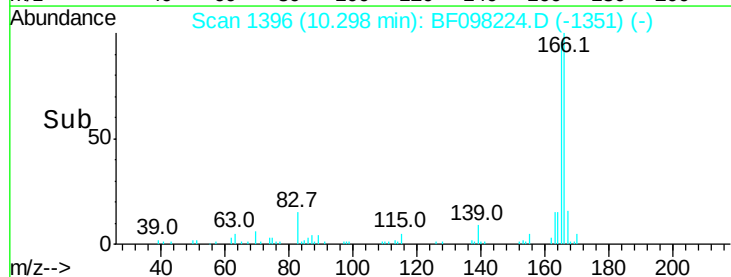
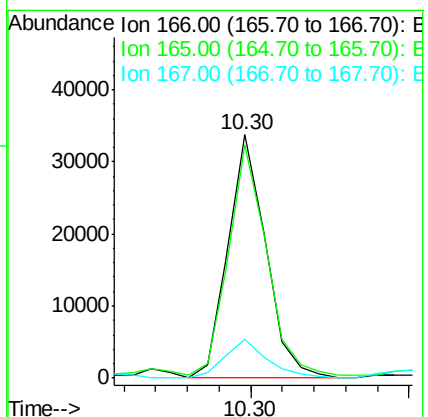
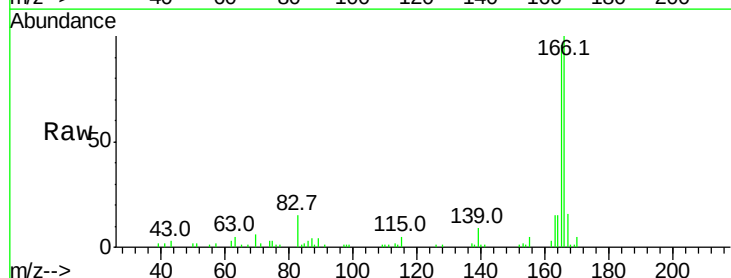
Instrument :
BNA_F
ClientSampleId :
SB-14-COMP

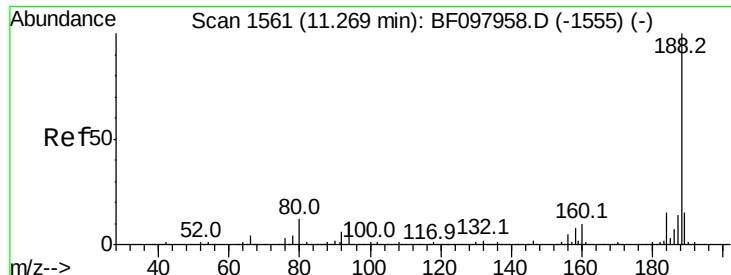
Tot Ion:165 Resp: 25466
Ion Ratio Lower Upper
165 100
63 1.1 25.4 38.0#
89 2.0 46.4 69.6#
182 0.0 1.8 2.6#



#57
Fluorene
Concen: 2.052 ng
RT: 10.30 min Scan# 1396
Delta R.T. -0.04 min
Lab File: BF098224.D
Acq: 1 Sep 2017 14:08

Tgt Ion:166 Resp: 27880
Ion Ratio Lower Upper
166 100
165 95.8 78.8 118.2
167 16.2 10.6 16.0#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.03 min

Lab File: BF098224.D

Acq: 1 Sep 2017 14:08

Instrument :

BNA_F

ClientSampleId :

SB-14-COMP

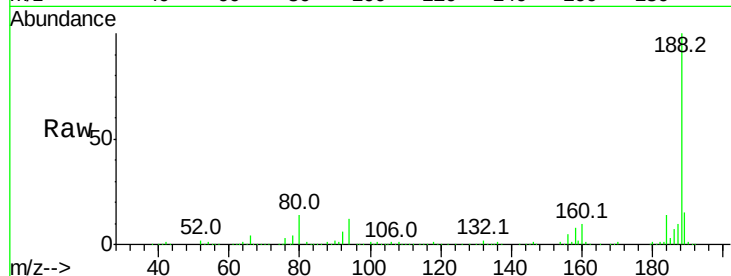
Tot Ion:188 Resp: 316480

Ion	Ratio	Lower	Upper
188	100		
94	12.4	9.4	14.2
80	14.0	10.2	15.2

188 100

94 12.4 9.4 14.2

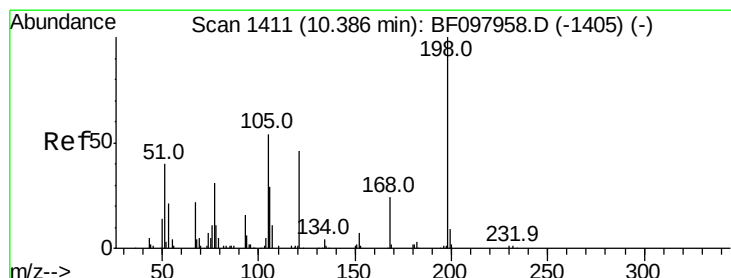
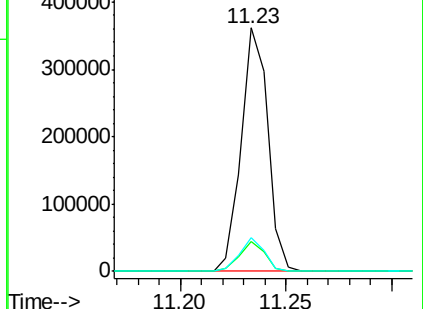
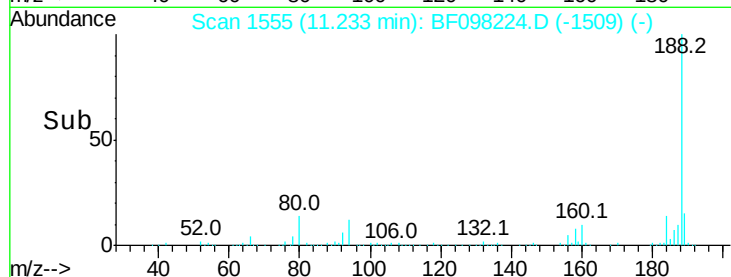
80 14.0 10.2 15.2



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



#64

4,6-Dinitro-2-methylphenol

Concen: 8.518 ng

RT: 10.54 min Scan# 1437

Delta R.T. 0.16 min

Lab File: BF098224.D

Acq: 1 Sep 2017 14:08

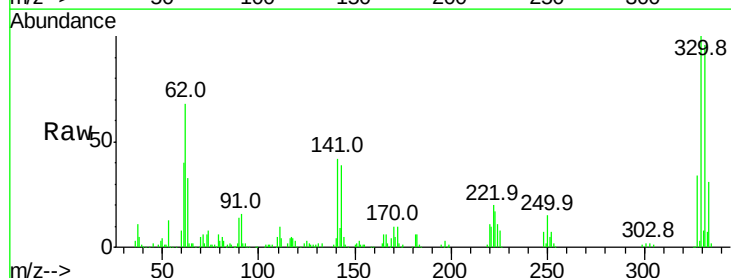
Tgt Ion:198 Resp: 356

Ion	Ratio	Lower	Upper
198	100		
51	190.9	53.2	93.2#
105	179.7	45.8	85.8#

198 100

51 190.9 53.2 93.2#

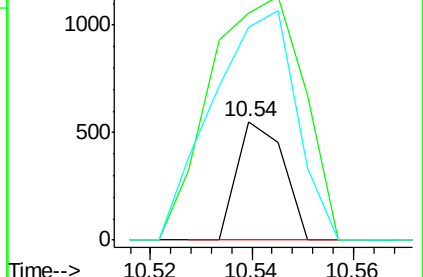
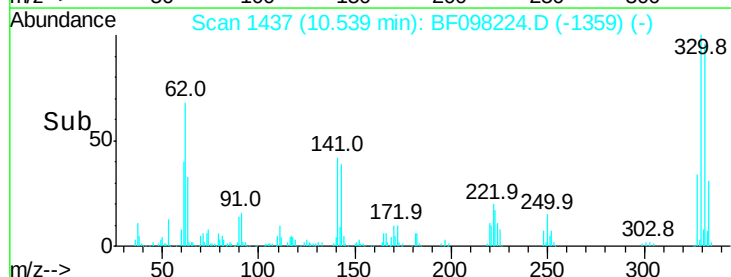
105 179.7 45.8 85.8#

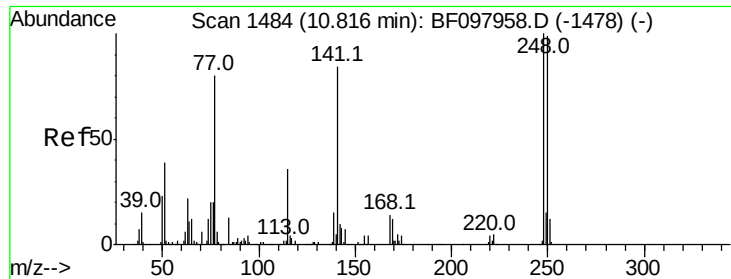


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

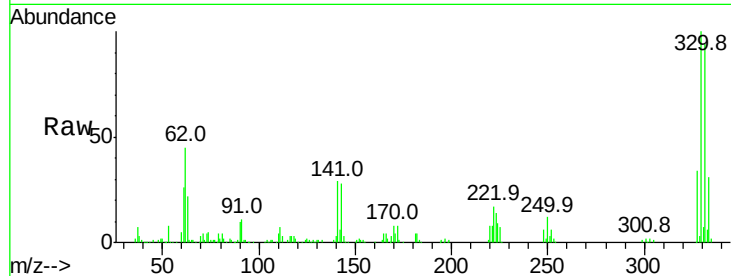




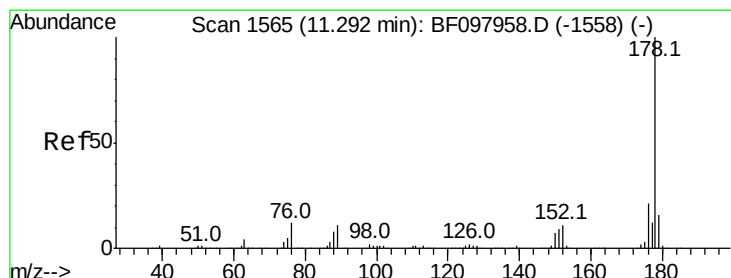
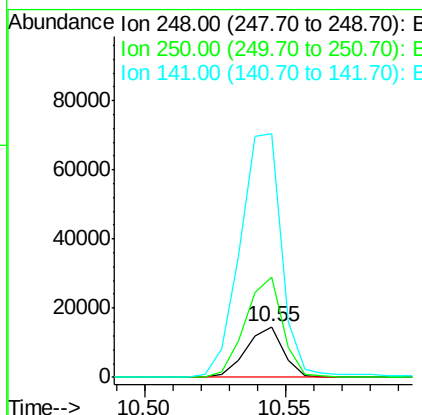
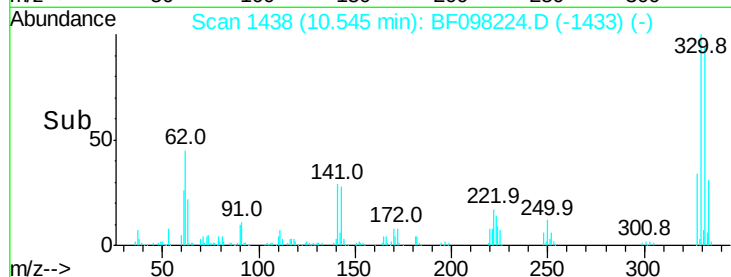
#66
 4-Bromophenyl-phenylether
 Concen: 4.106 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.27 min
 Lab File: BF098224.D
 Acq: 1 Sep 2017 14:08

Instrument :
 BNA_F
 ClientSampleId :
 SB-14-COMP

Tot Ion:248 Resp: 13494
 Ion Ratio Lower Upper
 248 100
 250 197.4 76.8 115.2#
 141 479.3 68.6 103.0#

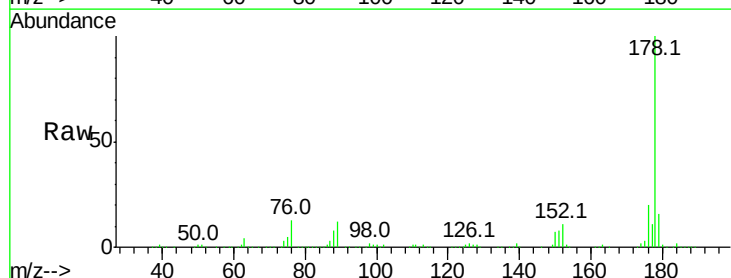


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

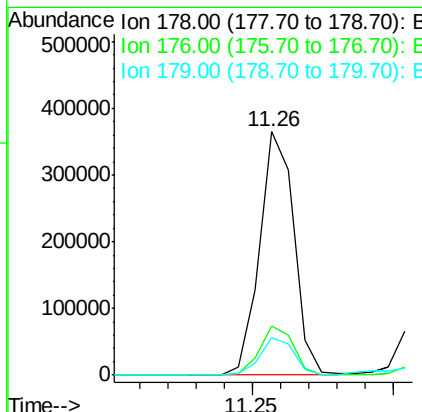
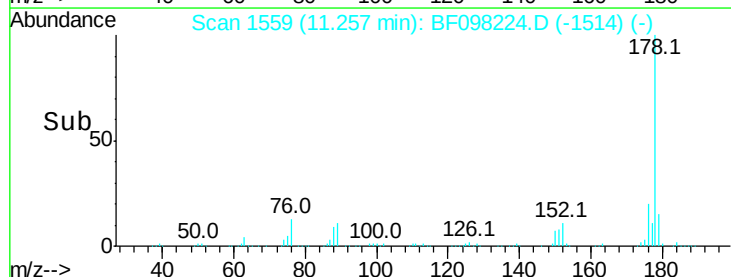


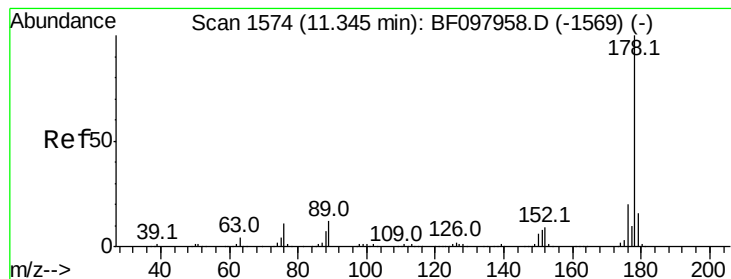
#70
 Phenanthrene
 Concen: 18.269 ng
 RT: 11.26 min Scan# 1559
 Delta R.T. -0.04 min
 Lab File: BF098224.D
 Acq: 1 Sep 2017 14:08

Tgt Ion:178 Resp: 308092
 Ion Ratio Lower Upper
 178 100
 176 20.1 16.2 24.4
 179 15.5 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: 4.971 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.04 min

Lab File: BF098224.D

Acq: 1 Sep 2017 14:08

Instrument :

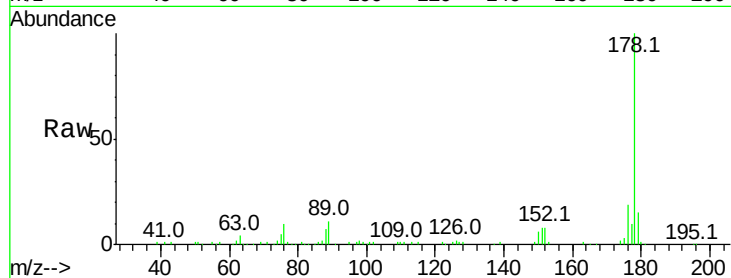
BNA_F

ClientSampleId :

SB-14-COMP

Tot Ion:178 Resp: 85027

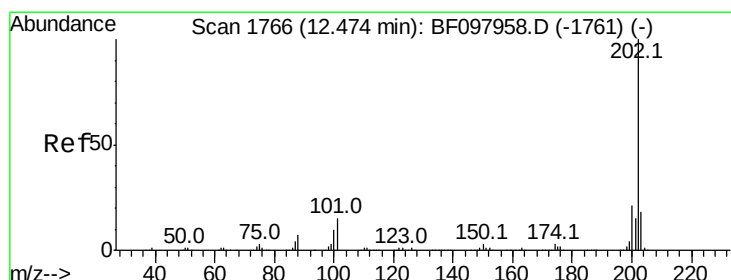
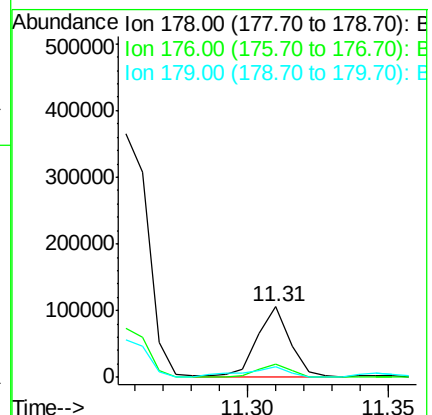
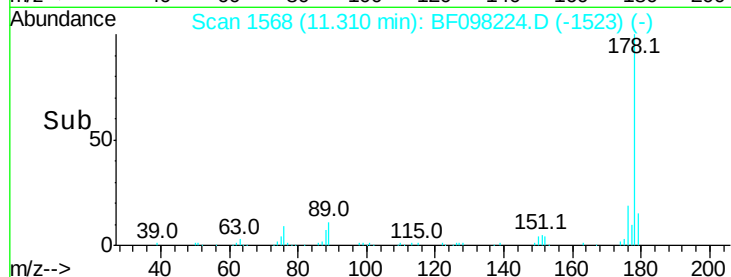
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	14.6	12.7	19.1



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: 19.476 ng

RT: 12.45 min Scan# 1761

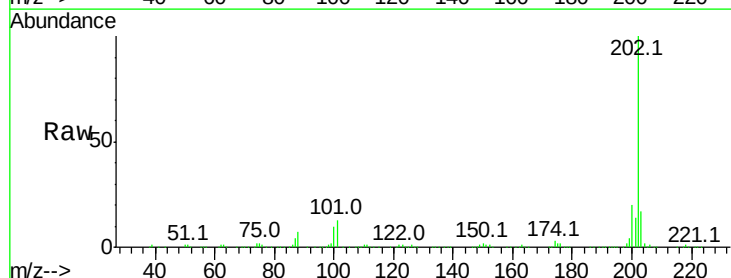
Delta R.T. -0.03 min

Lab File: BF098224.D

Acq: 1 Sep 2017 14:08

Tgt Ion:202 Resp: 342825

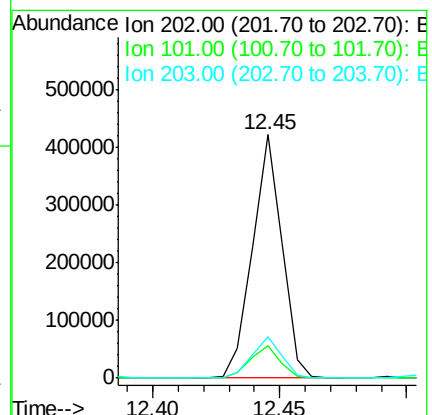
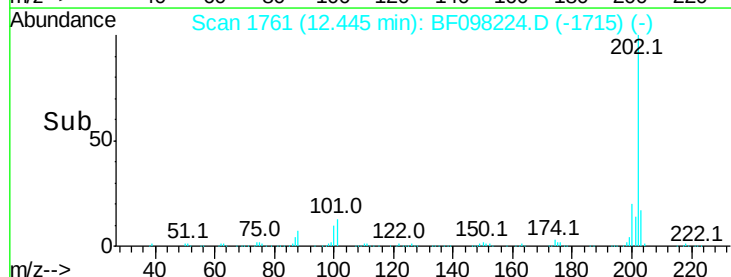
Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	33.2
203	17.2	0.0	38.1

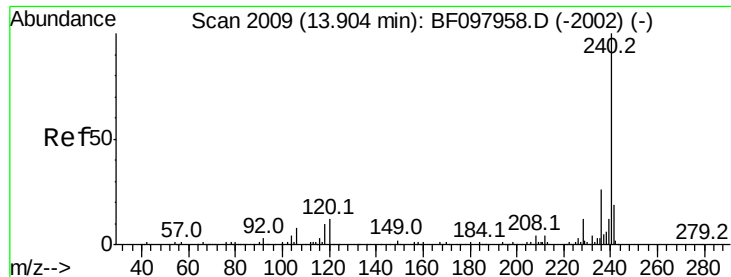


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.03 min

Lab File: BF098224.D

Acq: 1 Sep 2017 14:08

Instrument :

BNA_F

ClientSampleId :

SB-14-COMP

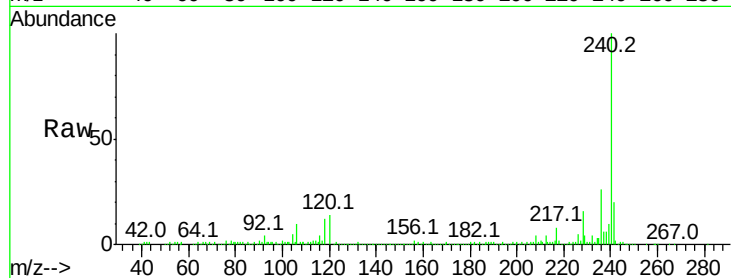
Tot Ion:240 Resp: 226251

Ion Ratio Lower Upper

240 100

120 14.5 5.8 8.8#

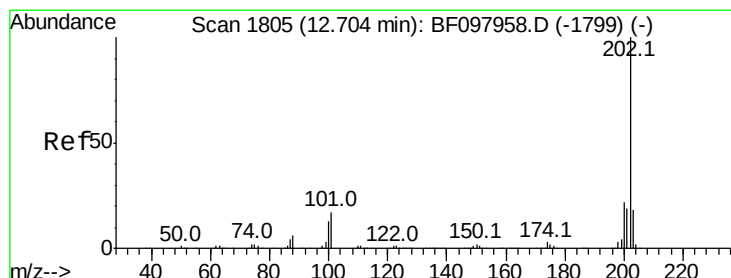
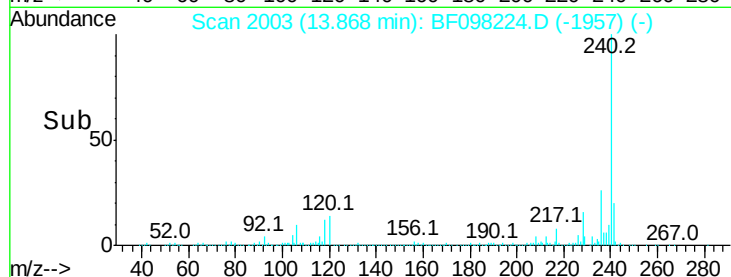
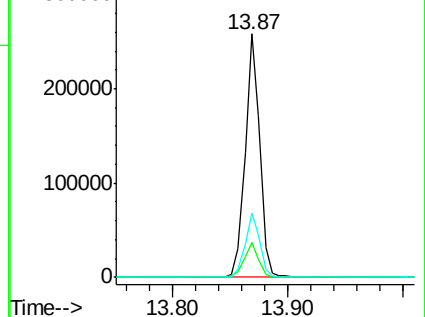
236 26.3 20.5 30.7



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: 16.682 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.03 min

Lab File: BF098224.D

Acq: 1 Sep 2017 14:08

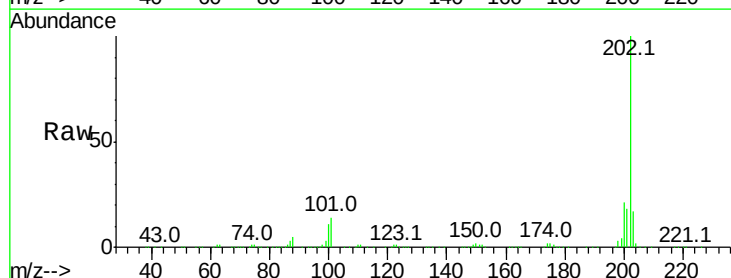
Tgt Ion:202 Resp: 308698

Ion Ratio Lower Upper

202 100

200 20.9 17.6 26.4

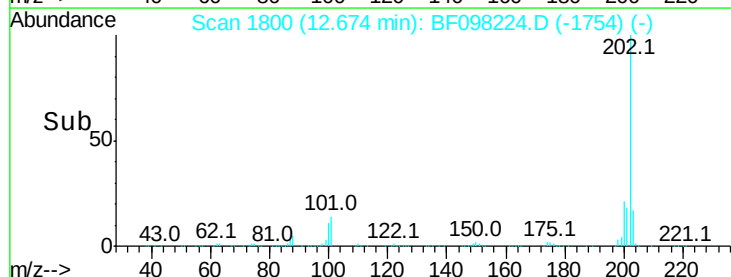
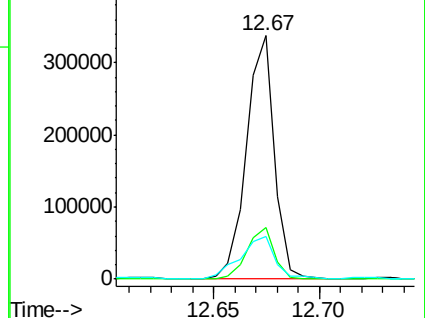
203 17.4 14.4 21.6

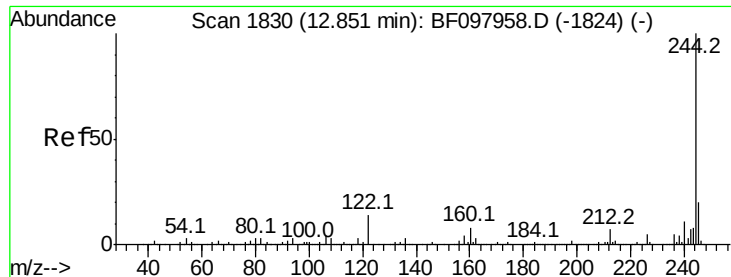


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

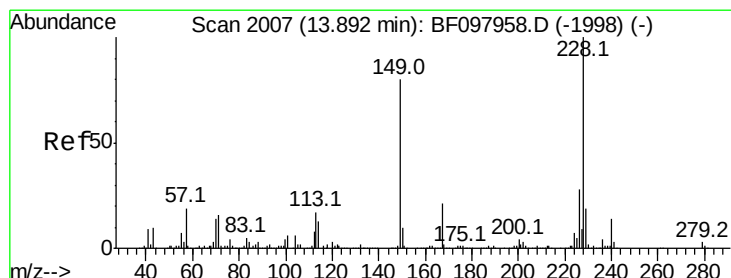
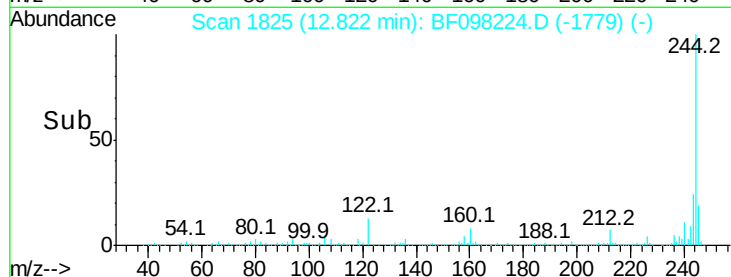
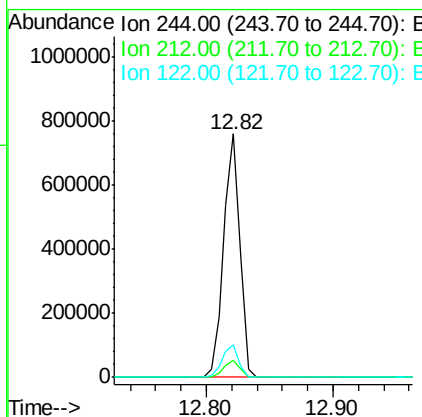
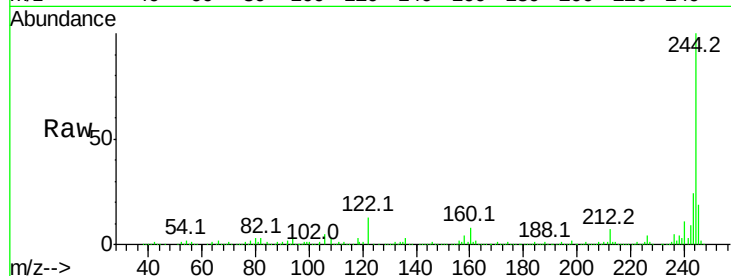




#78
 Terphenyl-d14
 Concen: 62.470 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.03 min
 Lab File: BF098224.D
 Acq: 1 Sep 2017 14:08

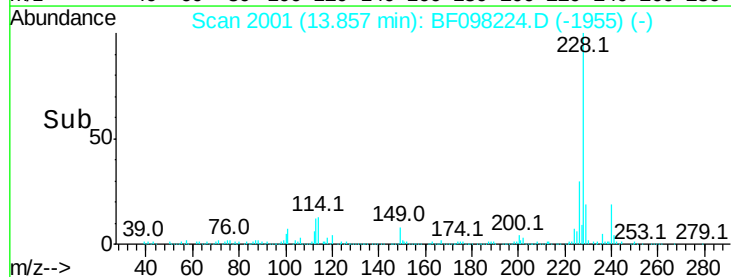
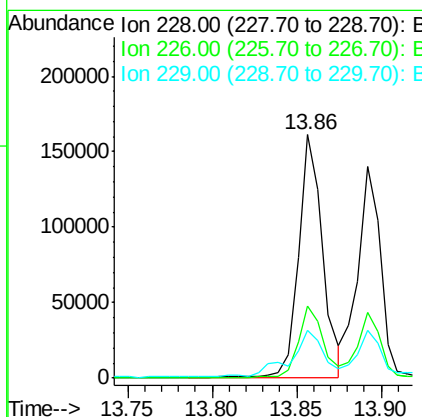
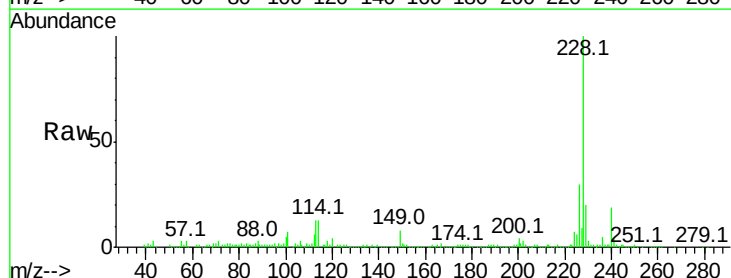
Instrument :
 BNA_F
 ClientSampleId :
 SB-14-COMP

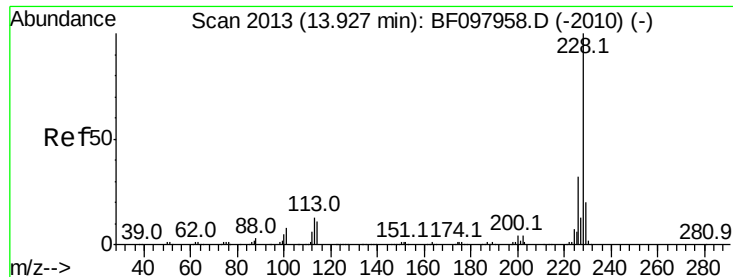
Tot Ion:244 Resp: 677773
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 13.1 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 11.761 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. -0.03 min
 Lab File: BF098224.D
 Acq: 1 Sep 2017 14:08

Tgt Ion:228 Resp: 159486
 Ion Ratio Lower Upper
 228 100
 226 29.7 22.6 33.8
 229 19.7 16.3 24.5





#82

Chrysene

Concen: 9.765 ng

RT: 13.89 min Scan# 2007

Delta R.T. -0.04 min

Lab File: BF098224.D

Acq: 1 Sep 2017 14:08

Instrument :

BNA_F

ClientSampleId :

SB-14-COMP

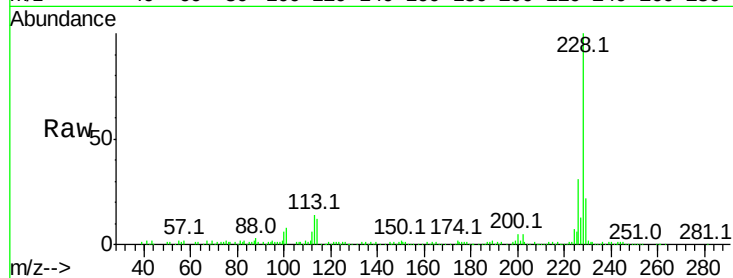
Tot Ion:228 Resp: 131718

Ion Ratio Lower Upper

228 100

226 31.2 24.9 37.3

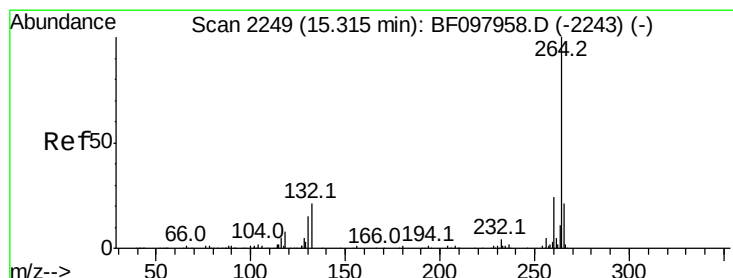
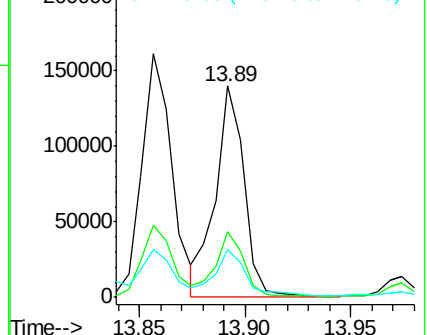
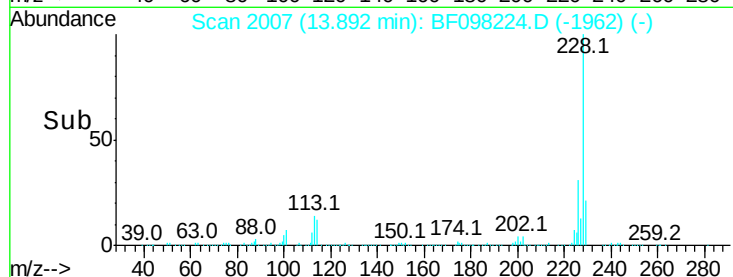
229 22.5 15.8 23.6



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.29 min Scan# 2244

Delta R.T. -0.02 min

Lab File: BF098224.D

Acq: 1 Sep 2017 14:08

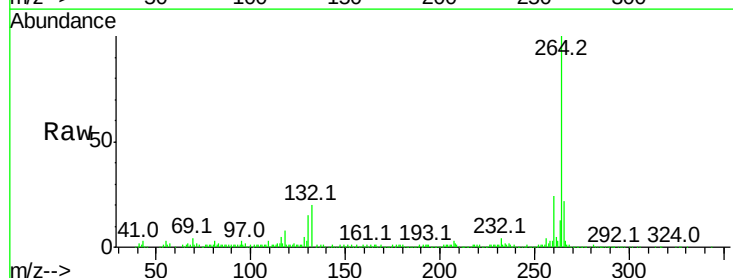
Tgt Ion:264 Resp: 205703

Ion Ratio Lower Upper

264 100

260 23.7 19.5 29.3

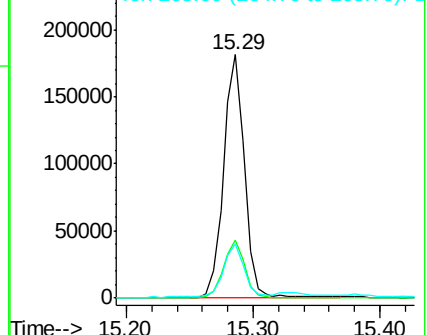
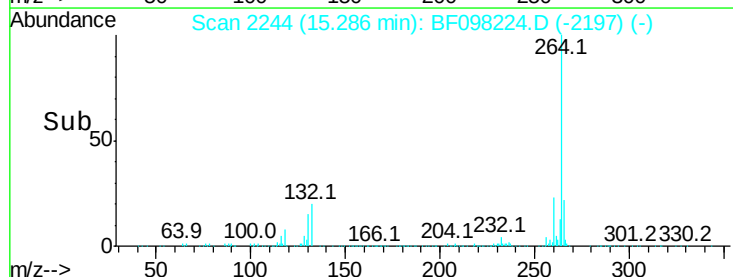
265 22.0 17.2 25.8

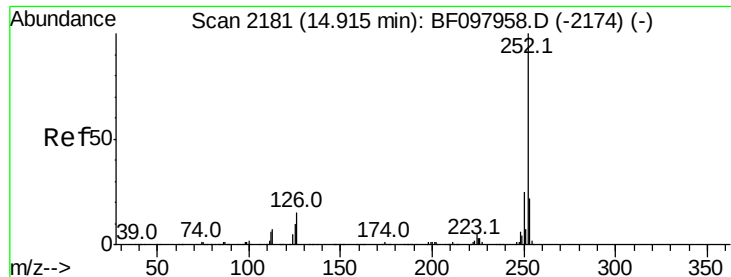


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 16.104 ng

RT: 14.88 min Scan# 2175

Delta R.T. -0.03 min

Lab File: BF098224.D

Acq: 1 Sep 2017 14:08

Instrument :

BNA_F

ClientSampleId :

SB-14-COMP

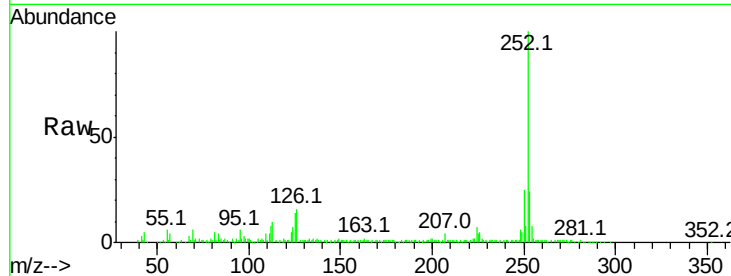
Tot Ion:252 Resp: 208811

Ion Ratio Lower Upper

252 100

253 23.8 18.1 27.1

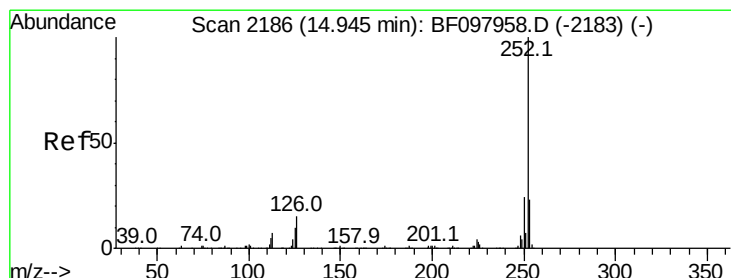
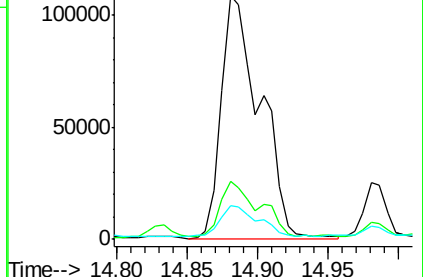
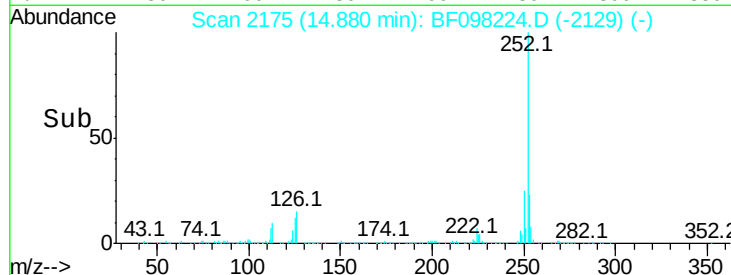
125 13.7 9.8 14.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 17.141 ng

RT: 14.88 min Scan# 2175

Delta R.T. -0.06 min

Lab File: BF098224.D

Acq: 1 Sep 2017 14:08

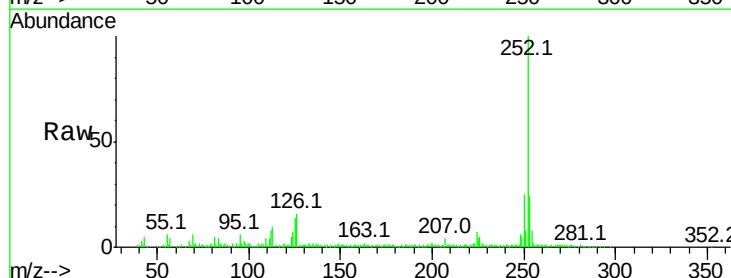
Tgt Ion:252 Resp: 208811

Ion Ratio Lower Upper

252 100

253 23.8 18.4 27.6

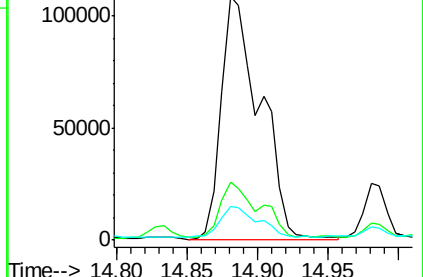
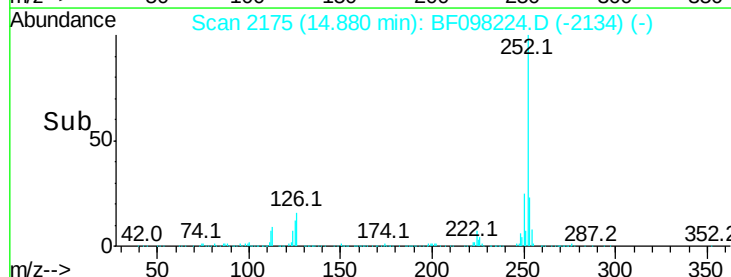
125 13.7 13.1 19.7

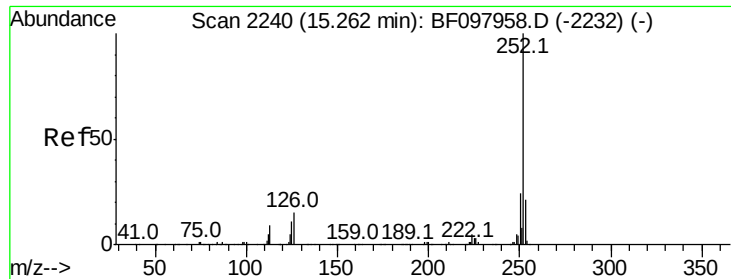


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

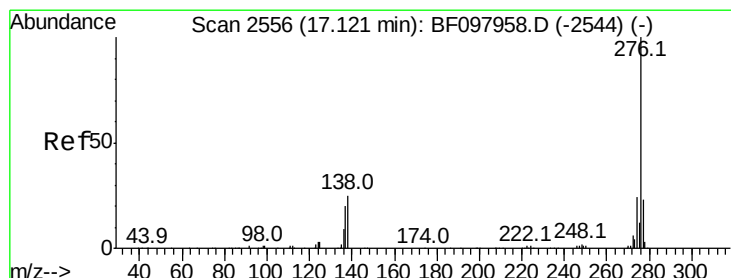
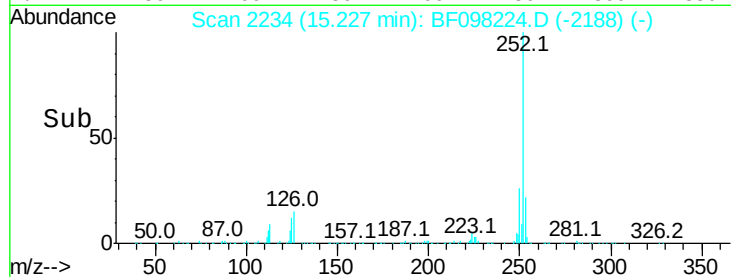
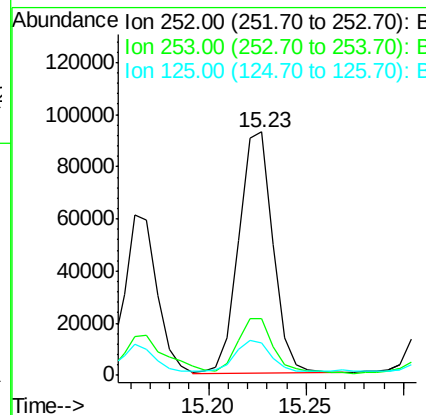
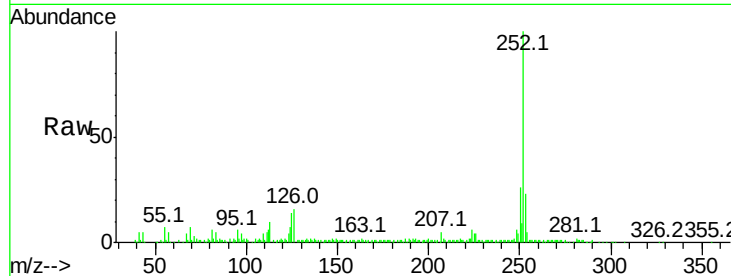




#89
Benzo(a)pyrene
Concen: 9.786 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.03 min
Lab File: BF098224.D
Acq: 1 Sep 2017 14:08

Instrument :
BNA_F
ClientSampleId :
SB-14-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	13.5	11.0	16.4



#91
Benzo(g,h,i)perylene
Concen: 4.633 ng
RT: 17.06 min Scan# 2546
Delta R.T. -0.05 min
Lab File: BF098224.D
Acq: 1 Sep 2017 14:08

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.6	28.0
138	25.5	25.4	38.0

