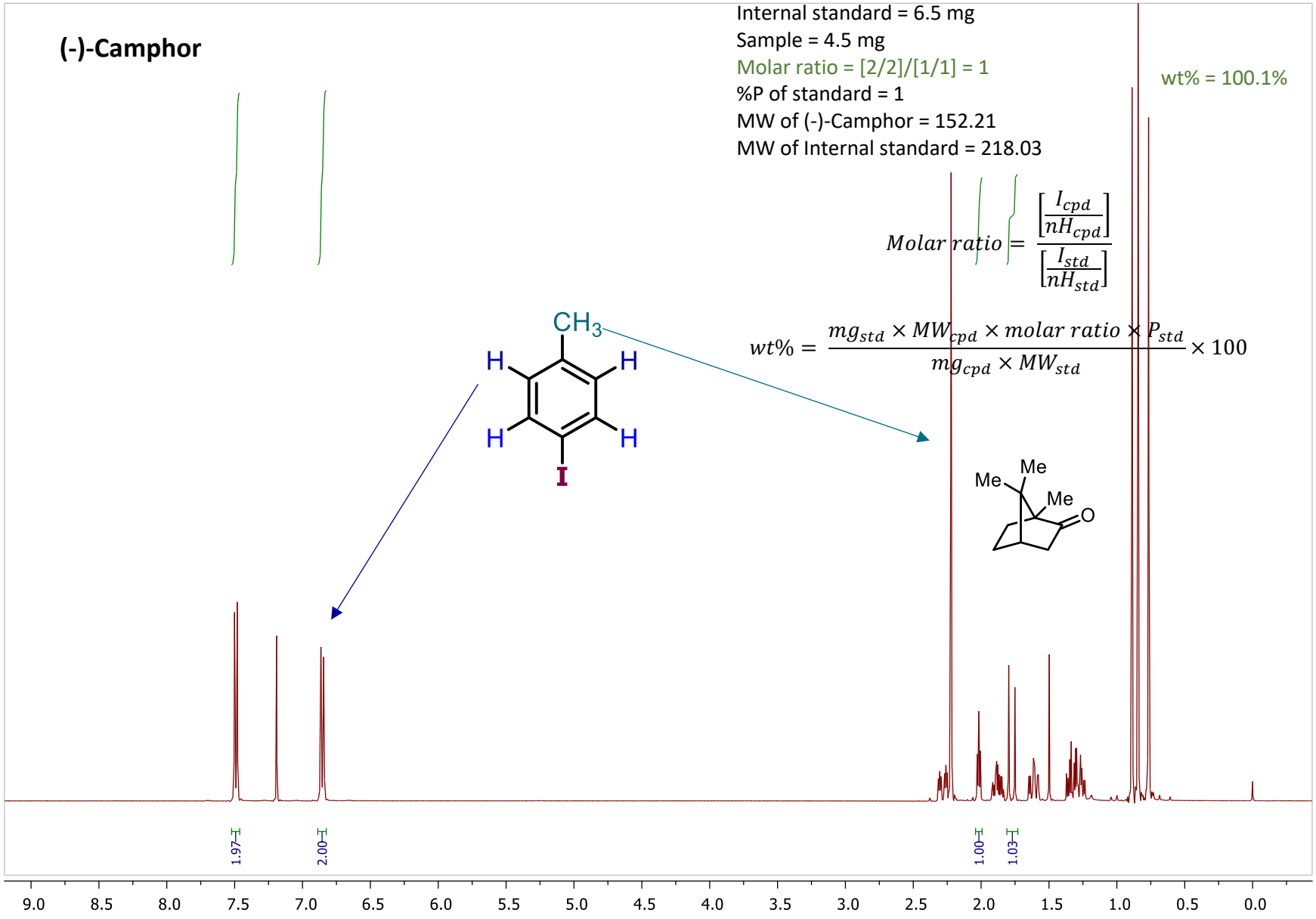
(-)-Camphor
Internal standard = 6.5 mg
Sample = 4.5 mg
Molar ratio = [2/2]/[1/1] = 1
%P of standard = 1
MW of (-)-Camphor = 152.21
MW of Internal standard = 218.03
wt% = 100.1%
$Molar\ ratio = \frac{\left[\frac{I_{cpd}}{nH_{cpd}}\right]}{\left[\frac{I_{std}}{nH_{std}}\right]}$
$wt\% = \frac{mg_{std} \times MW_{cpd} \times molar\ ratio \times P_{std}}{mg_{cpd} \times MW_{std}} \times 100$
CH3
H
H
H
H
I
Me
Me
Me
O
1.97
2.00
1.00
1.03
9.0
8.5
8.0
7.5
7.0
6.5
6.0
5.5
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0