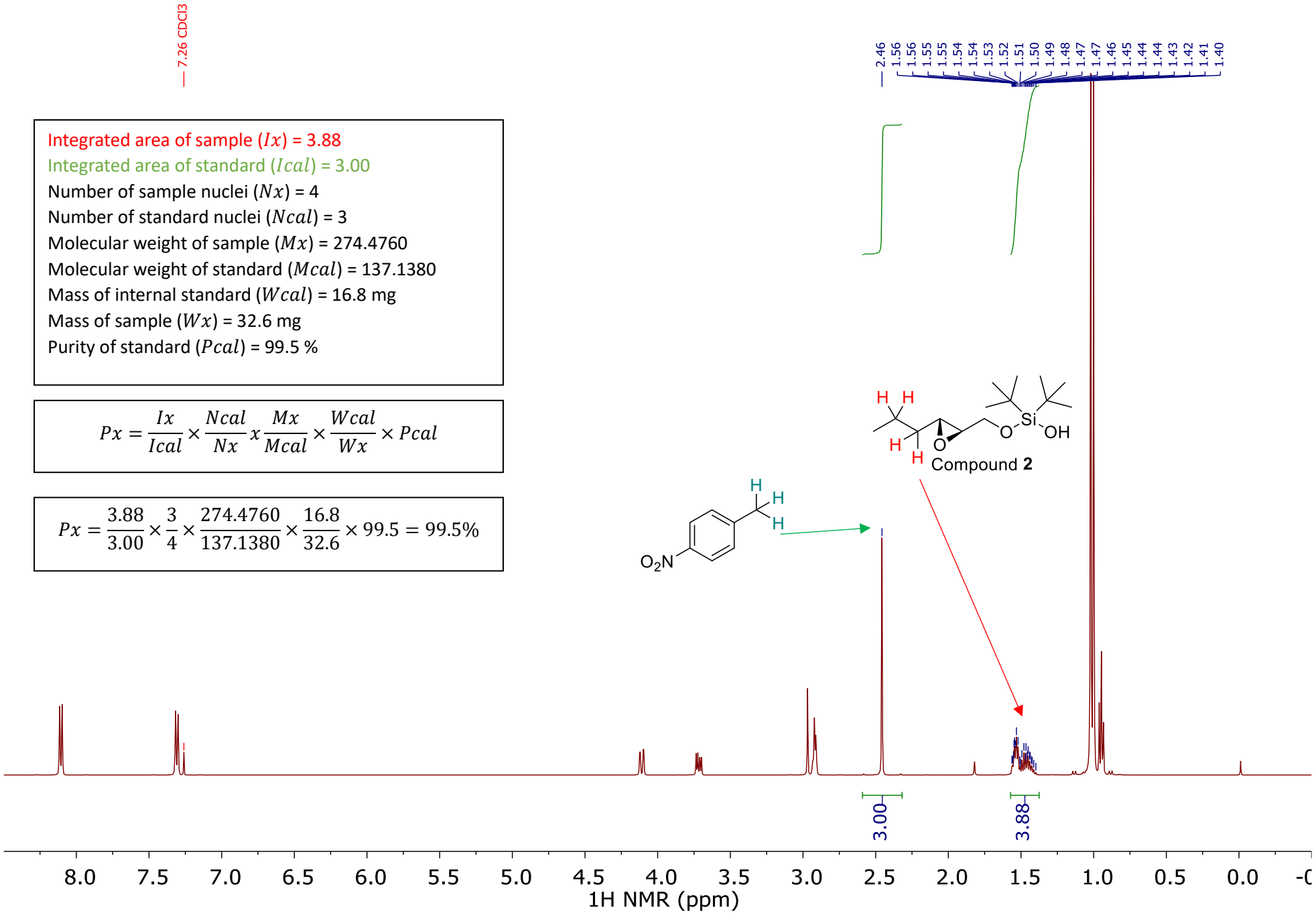
7.26 CDCl3
2.46
1.56
1.56
1.55
1.55
1.54
1.54
1.53
1.52
1.51
1.50
1.49
1.48
1.47
1.47
1.46
1.45
1.44
1.44
1.43
1.42
1.41
1.40
Integrated area of sample (Ix) = 3.88
Integrated area of standard (Ical) = 3.00
Number of sample nuclei (Nx) = 4
Number of standard nuclei (Ncal) = 3
Molecular weight of sample (Mx) = 274.4760
Molecular weight of standard (Mcal) = 137.1380
Mass of internal standard (Wcal) = 16.8 mg
Mass of sample (Wx) = 32.6 mg
Purity of standard (Pcal) = 99.5 %
$Px = \frac{Ix}{Ical} \times \frac{Ncal}{Nx} x \frac{Mx}{Mcal} \times \frac{Wcal}{Wx} \times Pcal$
$Px = \frac{3.88}{3.00} \times \frac{3}{4} \times \frac{274.4760}{137.1380} \times \frac{16.8}{32.6} \times 99.5 = 99.5\%$
H H
H H
O
Si
O
OH
Compound 2
H
H
H
O_2N
3.00
3.88
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
1H NMR (ppm)