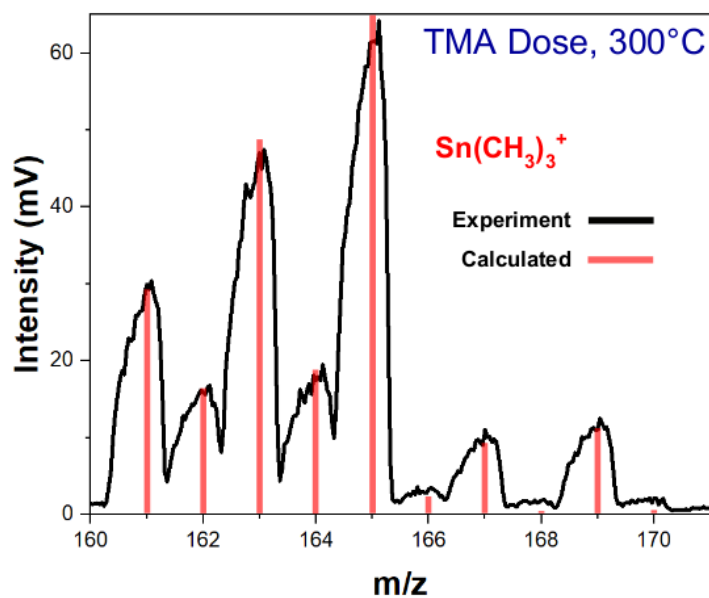


Supplemental Figure 1. QCM mass change vs time showing 50 SnO₂ ALE cycles using HF and TMA at 250, 275 and 300 °C.



Supplemental Figure 2. Mass spectrum showing ion signals for Sn(CH₃)₃⁺ from TMA dose during HF-TMA cycles on SnO₂ at 300 °C.