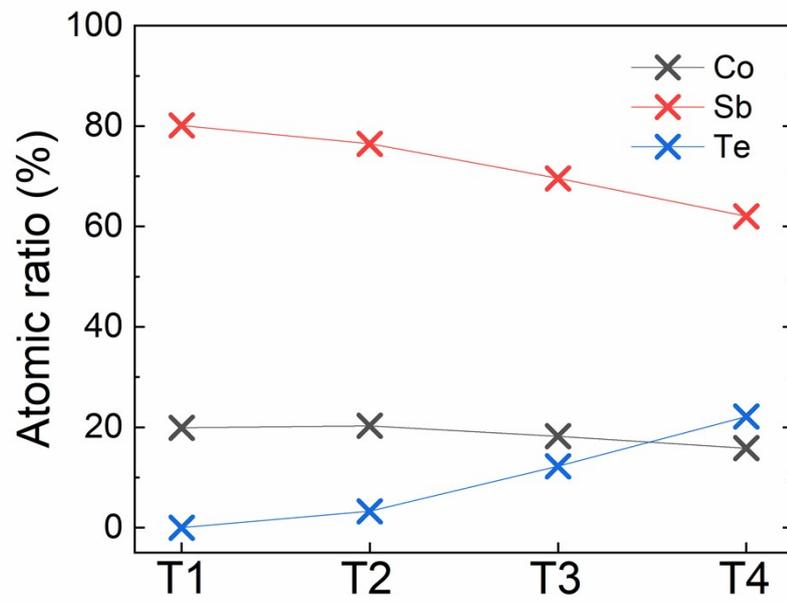
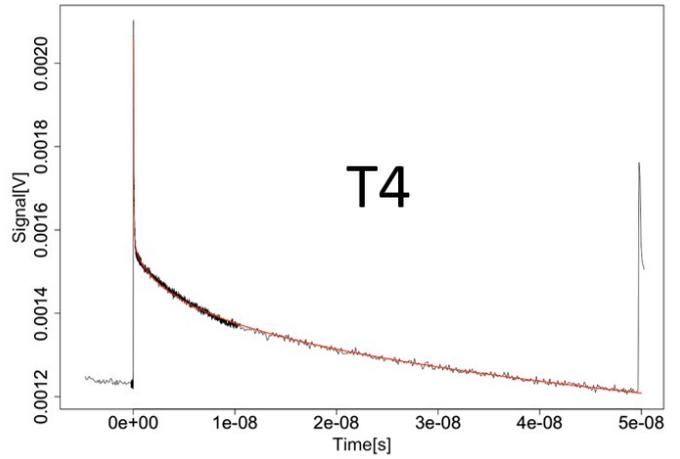
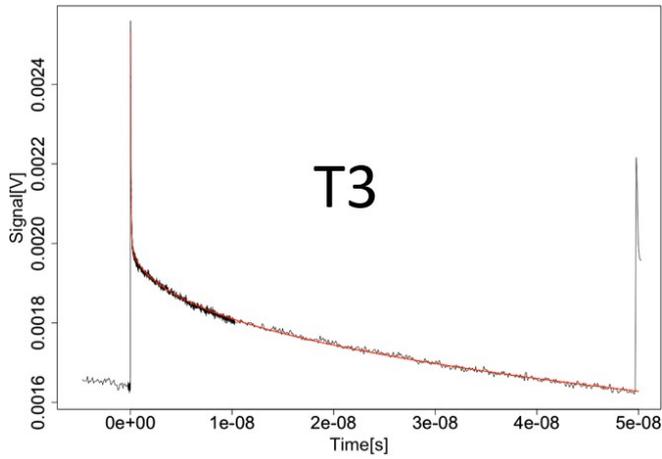
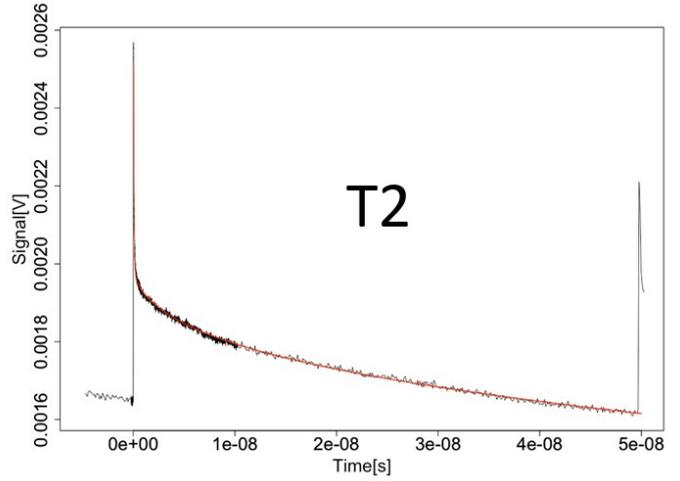
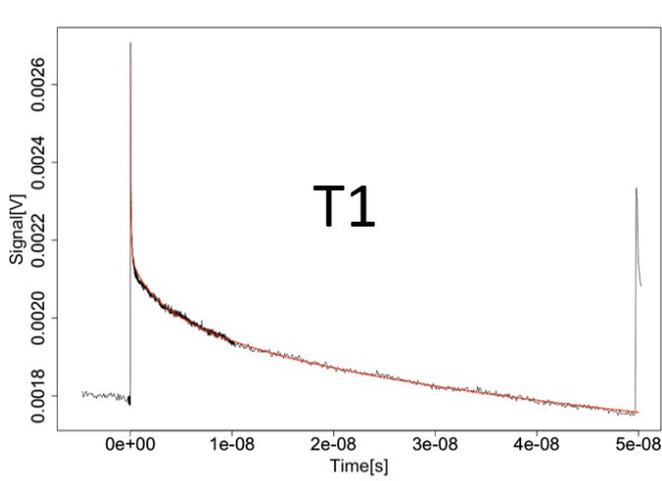


S1. Deposition rates of the  $\text{CoSb}_3$  doped Te thin films (T1, T2, T3, and T4)



S2. Atomic ratio measurements by SEM-EDS of the  $\text{CoSb}_3$  doped Te thin films (T1, T2, T3, and T4)



S3. Thermoreflectance measurements in front detection and resulting signal fitting of the  $\text{CoSb}_3$  doped Te thin films (T1, T2, T3, and T4)