Electronic Supplementary Material (ESI) for RSC Mechanochemistry.
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Electronic Supplementary Information

Facile Mechanochemical Synthesis of Hypervalent Tin(IV)-Fused Azo/Azomethine Compounds Showing Solid-State Emission

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DART MS spectra

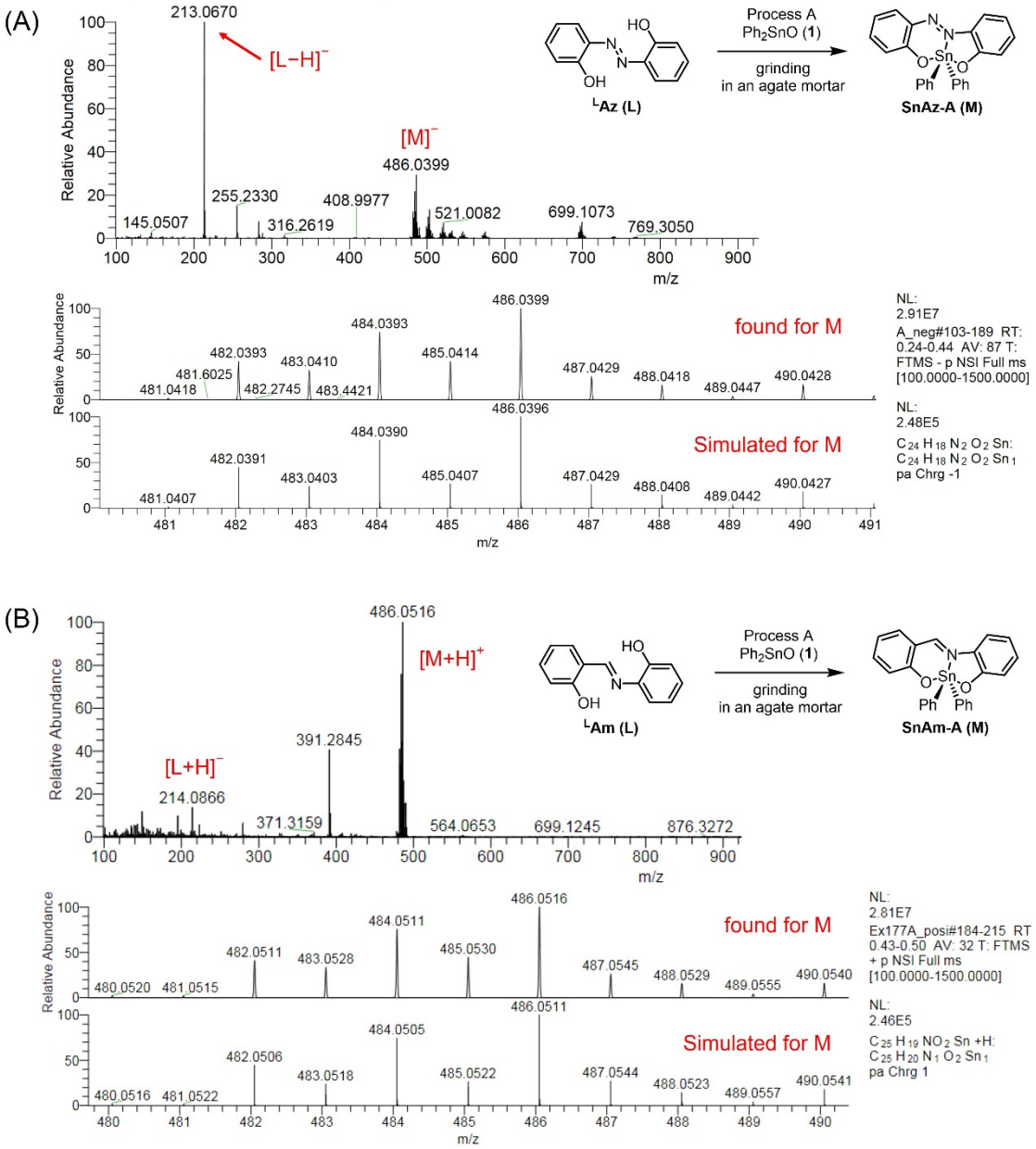

Fig. S1. DART MS spectra of **SnAz-A** and **SnAm-A**.

Solid-state ^{119}Sn CP/MAS NMR spectra

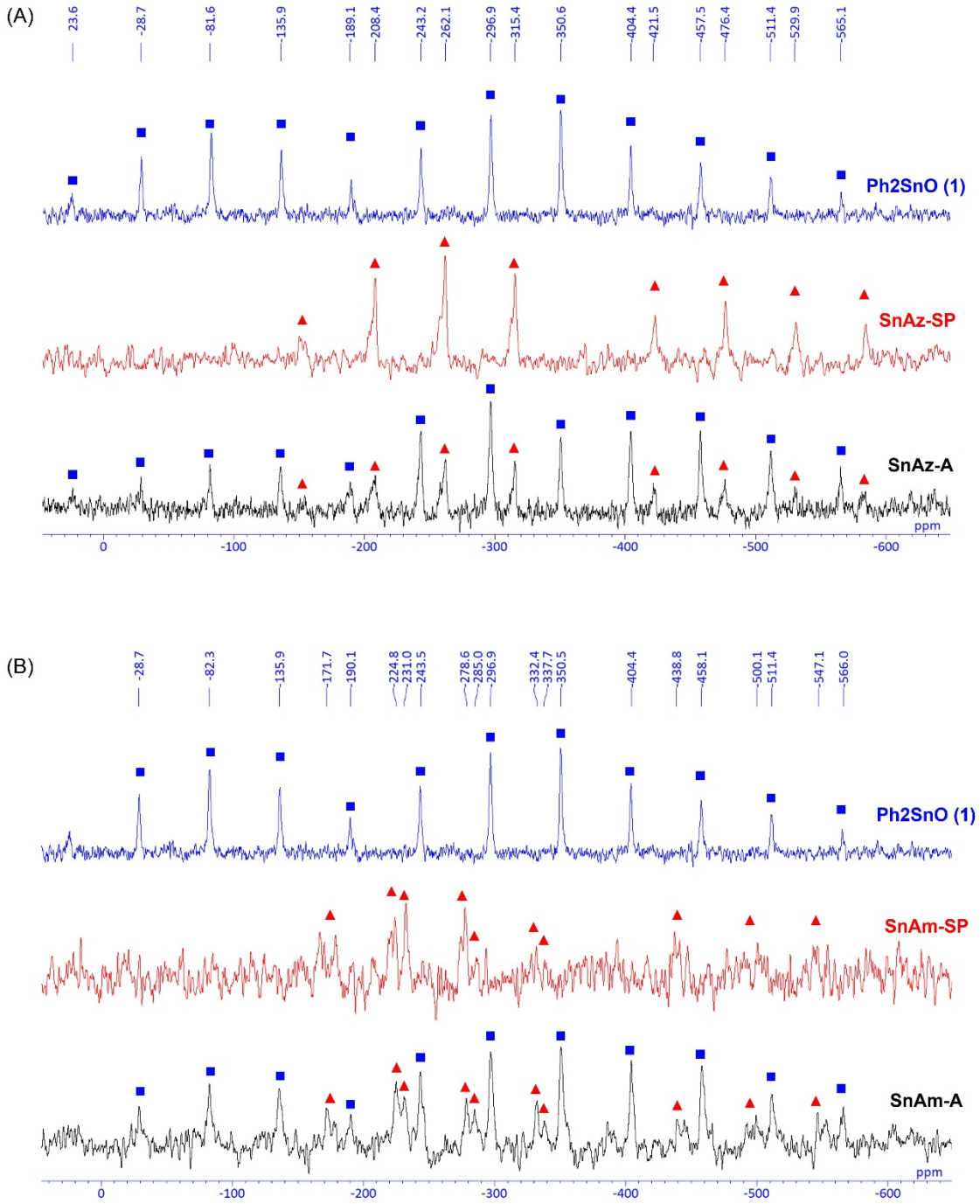

Fig. S2. Solid-state ^{119}Sn CP/MAS NMR spectra of (A) Ph_2SnO_2 (**1**), **SnAz-P**, and **SnAz-A**, (B) Ph_2SnO_2 (**1**), **SnAm-SP**, and **SnAm-A**. Square (■) and triangle (▲) denote the peaks derived from Ph_2SnO_2 (**1**) and **SnAz-SP**, respectively.

PXRD patterns

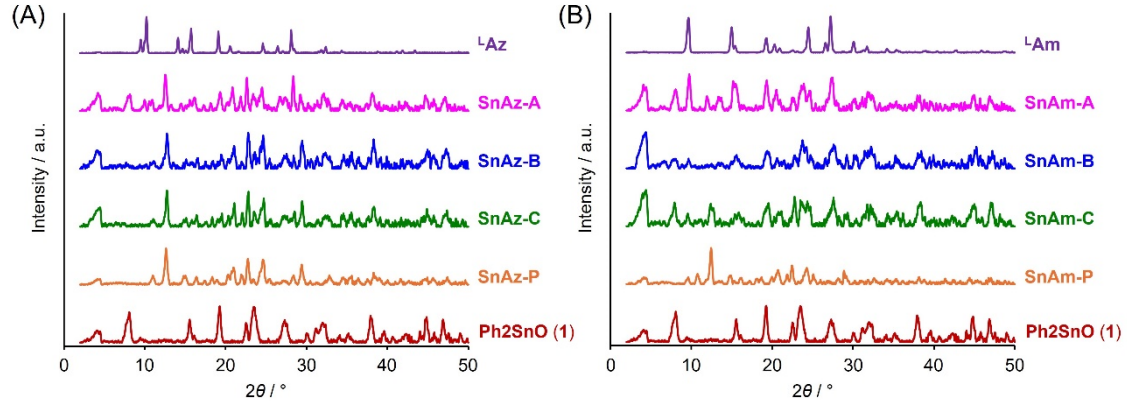

Fig. S3. PXRD patterns of (A) **^{L}Az**, **SnAz-A**, **B**, **C**, and **SP**, and Ph_2SnO_2 (**1**), (B) **^{L}Am**, **SnAm-A**, **B**, **C**, and **SP**, and Ph_2SnO_2 (**1**).

Time course profile of mechanochemical reaction

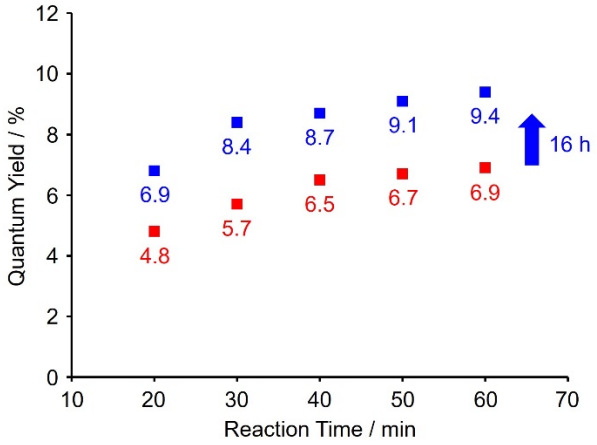

Fig. S4. Time course profile of the mechanochemical reaction to prepare **SnAm-A**. Red squares denote the quantum yields measured just after the mechanochemical reaction. Blue squares denote the quantum yields measured 16 h after the mechanochemical reaction.