Electronic Supplementary Information (ESI)

Influence of coordinating groups of organotin compounds on the Fries rearrangement of diphenyl carbonate

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Table S1 Comparison of this synthetic method of PS and XA with those reported in the literatures.

Entry	Reactant	Catalyst	Base	Solvent	Yield (%)		Reference
					PS	XA	
1	Salicylic acid, phenol	Zeolite (H-β)	-	-	70	-	S1
2	Phenol, CO_2	$ZnBr_2$	K_2CO_3	CCl_4	23	-	S2
3	Salicylic acid, benzonitrile	Thionyl chloride	-	-	74	-	S3
4	2-nitrobenzaldehyde, phenol	Cu NPs	K_3PO_4	Toluene	-	84	S4
5	2-phenoxybenzenediazonium tetrafluoroborate, CO	$Pd(PPh_3)_4$	K_2CO_3	Toluene	-	72	S5
6	2-aryloxybenzaldehydes	$RhCl_3(PPh_4)$	-	PhCl	-	93	S6
7	DPC	Bu_2SnO	-	-	62	42	This work

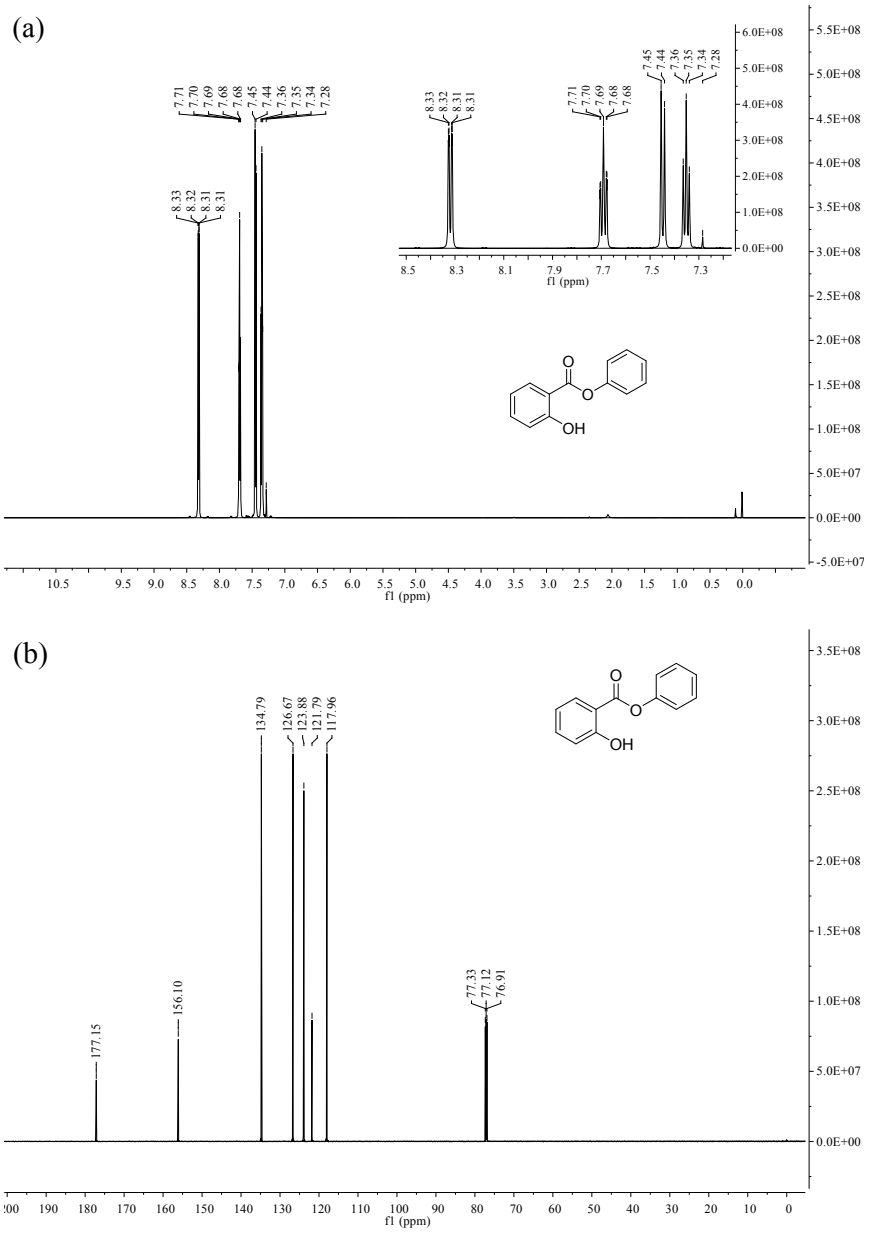

Fig. S1 ^{1}H (a) and ^{13}C NMR (b) spectra of PS.

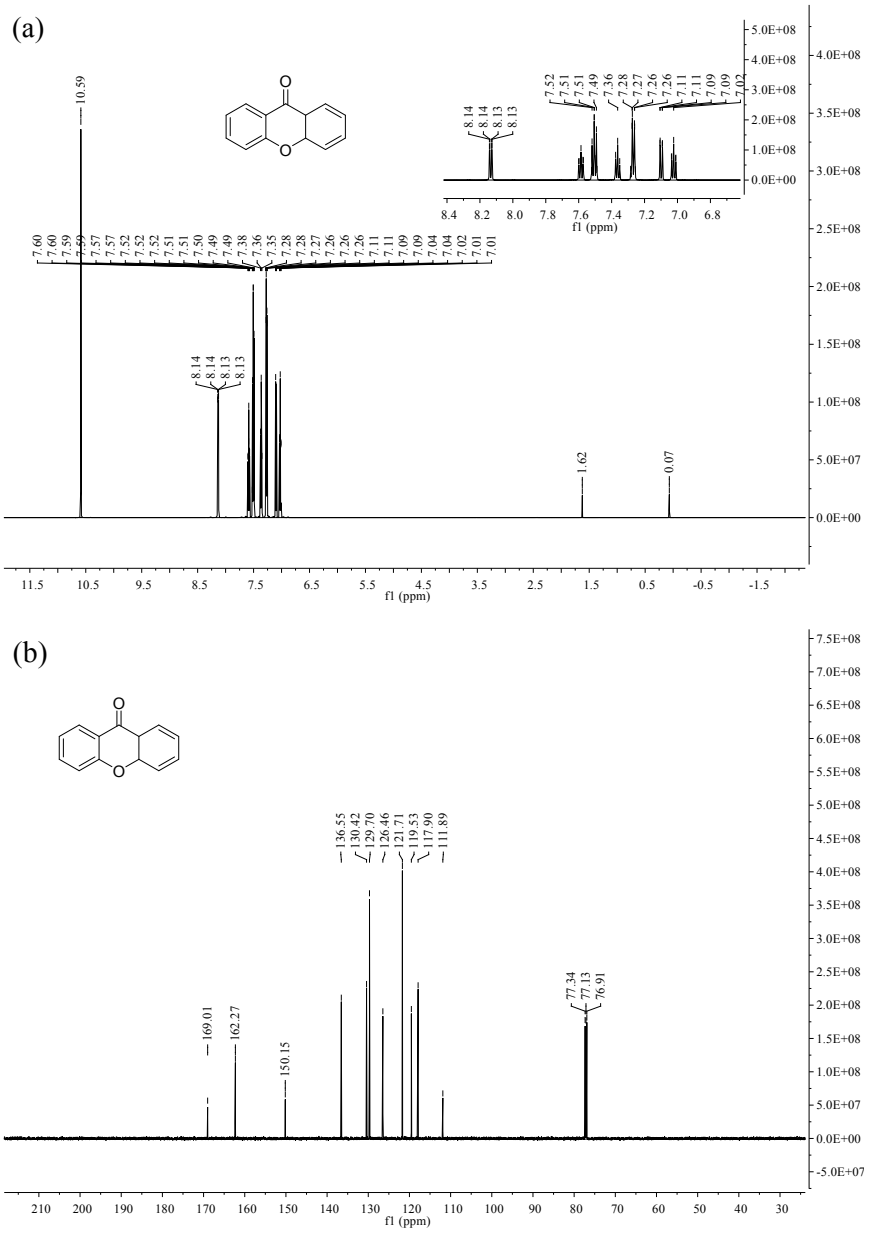

Fig. S2 ^{1}H (a) and ^{13}C NMR (b) spectra of XA.

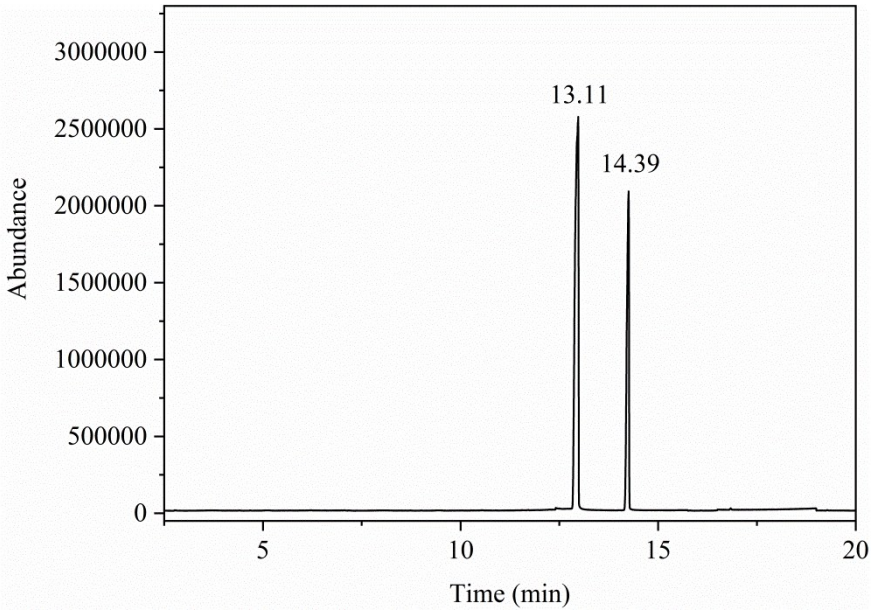

Fig. S3 The total ion current chromatogram of PS (retention time, 13.11 min) and XA (retention time, 14.39 min).

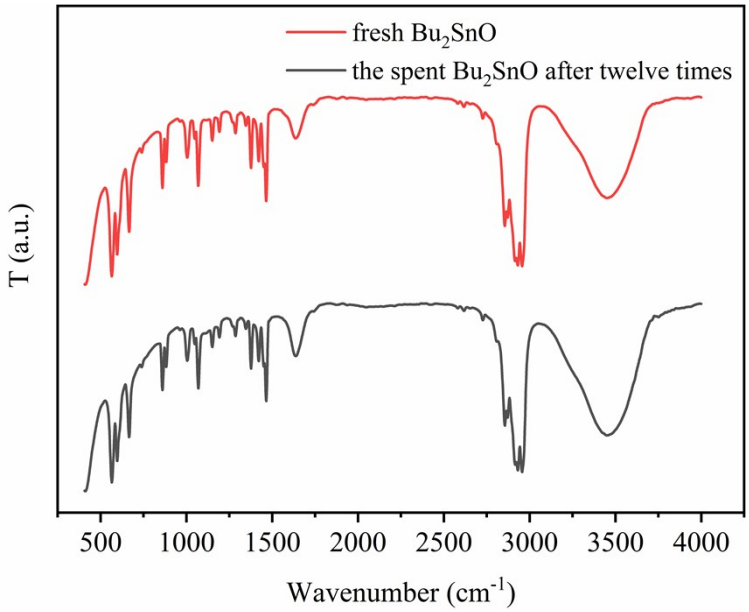

Fig. S4 FT-IR spectra of the fresh Bu_2SnO and the spent Bu_2SnO after twelve times.

Reference

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