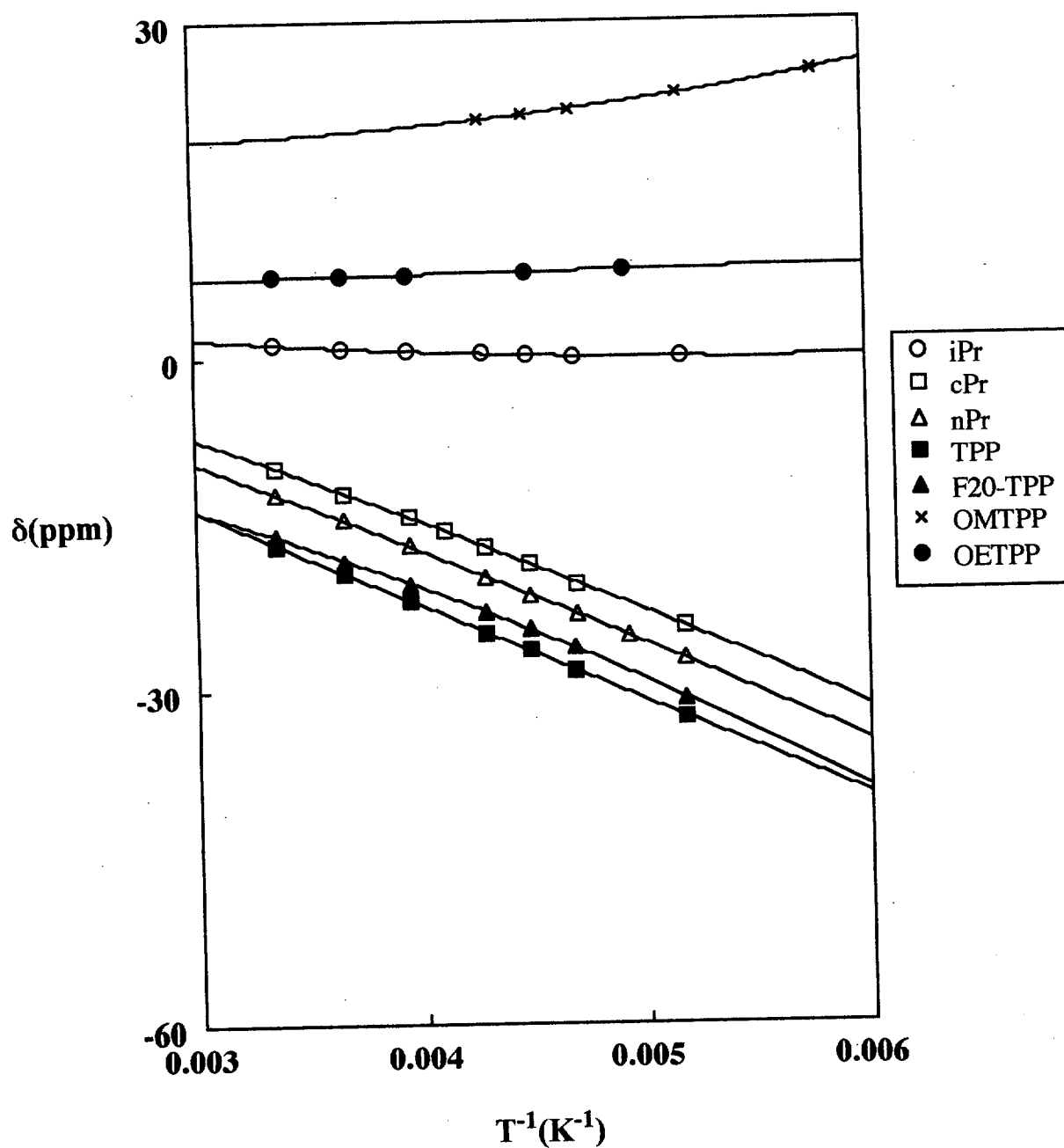


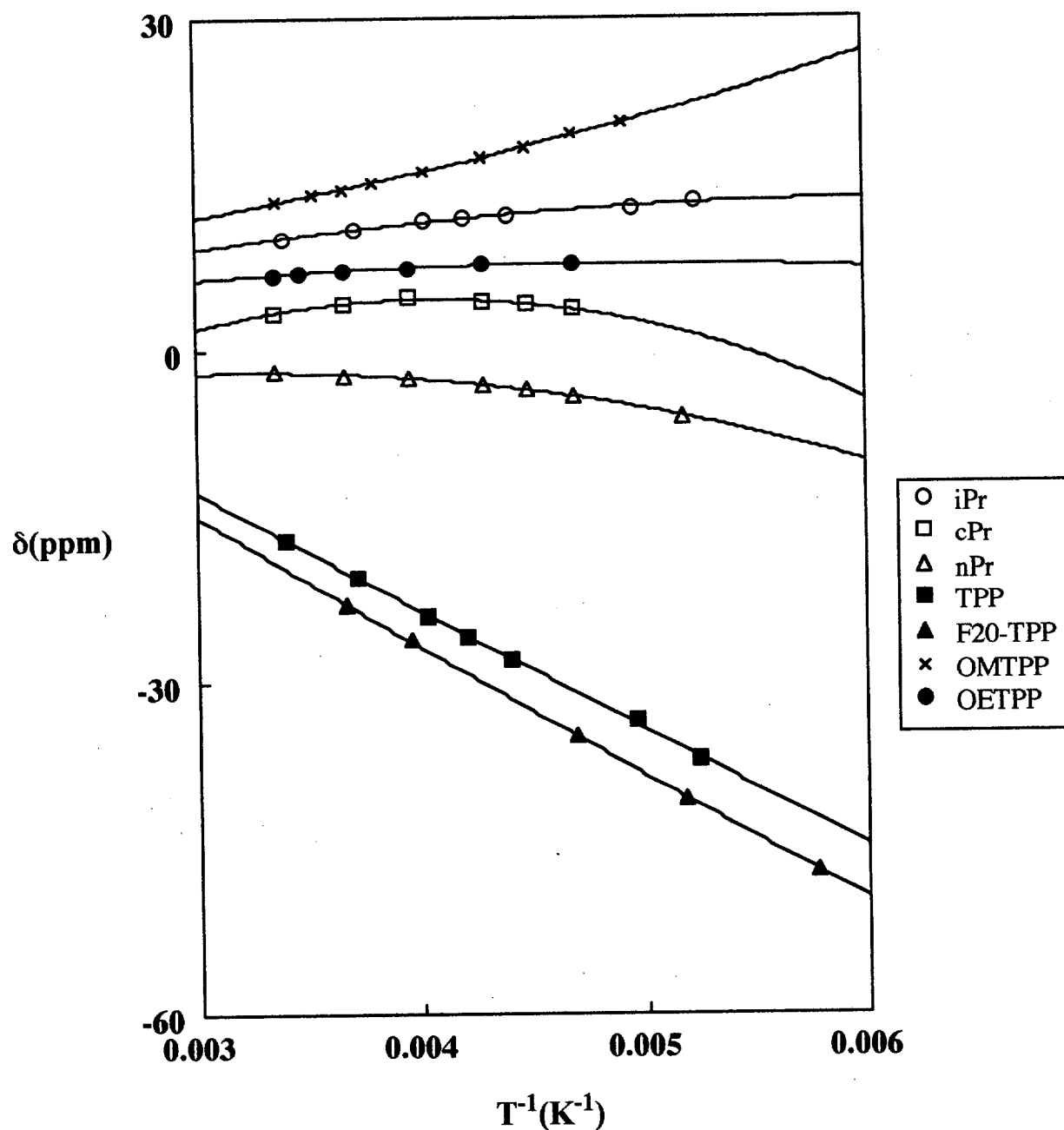
**Supporting Information 1.**

Curie plots of pyrrole-H and pyrrole-CH( $\alpha$ ) signals in  $[\text{Fe}(\text{TRP})(\text{HIm})_2]^+$ ,  $[\text{Fe}(\text{TPP})(\text{HIm})_2]^+$ ,  $[\text{Fe}(\text{F}_{20}\text{-TPP})(\text{HIm})_2]^+$ , and  $[\text{Fe}(\text{ORTPP})(\text{HIm})_2]^+$ .



**Supporting Information 2.**

Curie plots of pyrrole-H and pyrrole-CH( $\alpha$ ) signals in  $[\text{Fe}(\text{TRP})(\text{CN})_2]^-$ ,  $[\text{Fe}(\text{TPP})(\text{CN})_2]^-$ , and  $[\text{Fe}(\text{F}_{20}\text{-TPP})(\text{CN})_2]^-$  and pyrrole-CH( $\alpha$ ) signals in  $[\text{Fe}(\text{ORTPP})(\text{CN})_2]^-$ .



### Supporting Information 3.

Curie plots of pyrrole-H and pyrrole-CH( $\alpha$ ) signals in  $[\text{Fe}(\text{TRP})(^t\text{BuNC})_2]^+$ ,  $[\text{Fe}(\text{TPP})(^t\text{BuNC})_2]^+$ ,  $[\text{Fe}(\text{F}_{20}\text{-TPP})(^t\text{BuNC})_2]^+$ , and  $[\text{Fe}(\text{ORTPP})(^t\text{BuNC})_2]^+$ .

