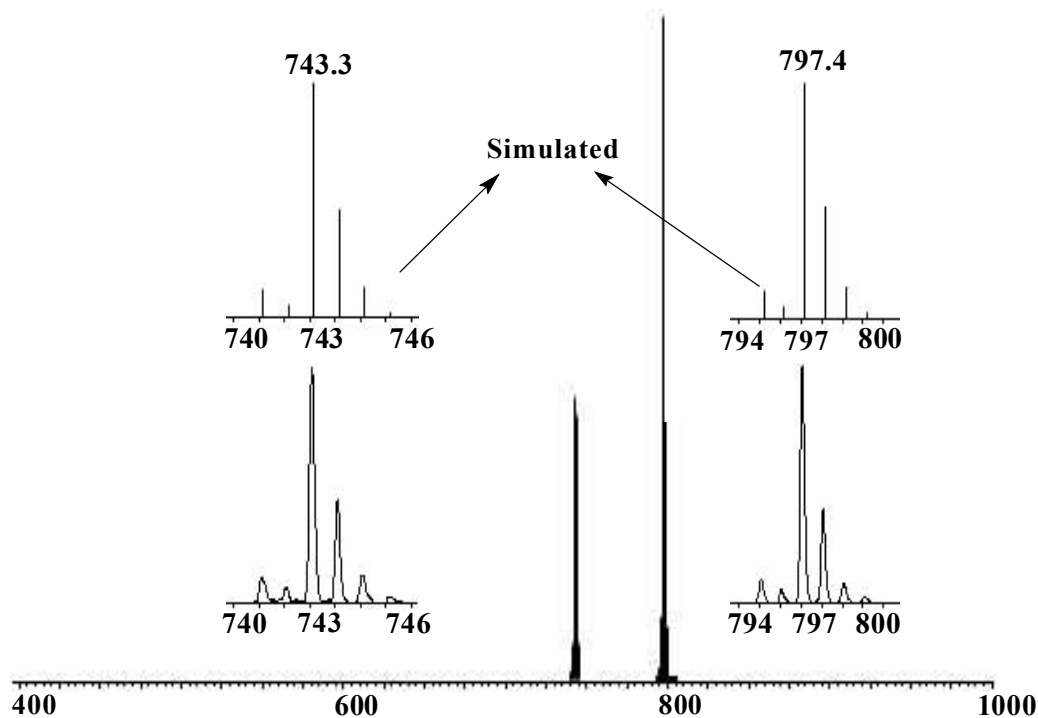


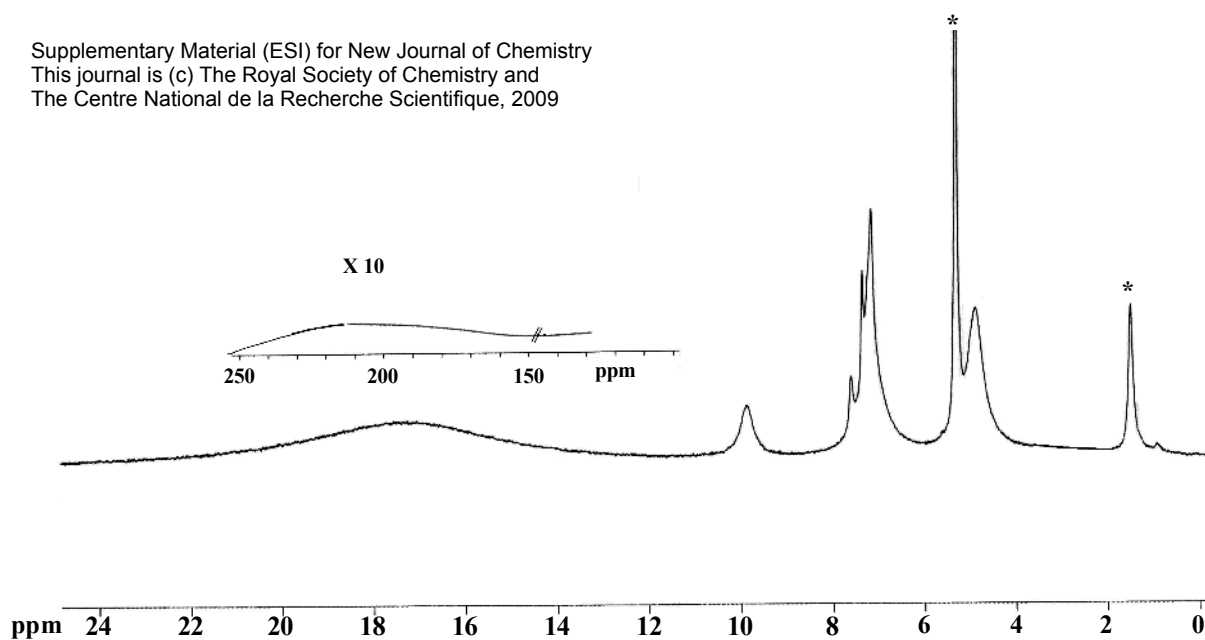
**Electronic Supplementary Information**

**Methoxy-bridged diiron(III) complex of *m*-xylylenebis-(acetylacetonate) showing remarkable thermal stability for encapsulated dichloromethane**

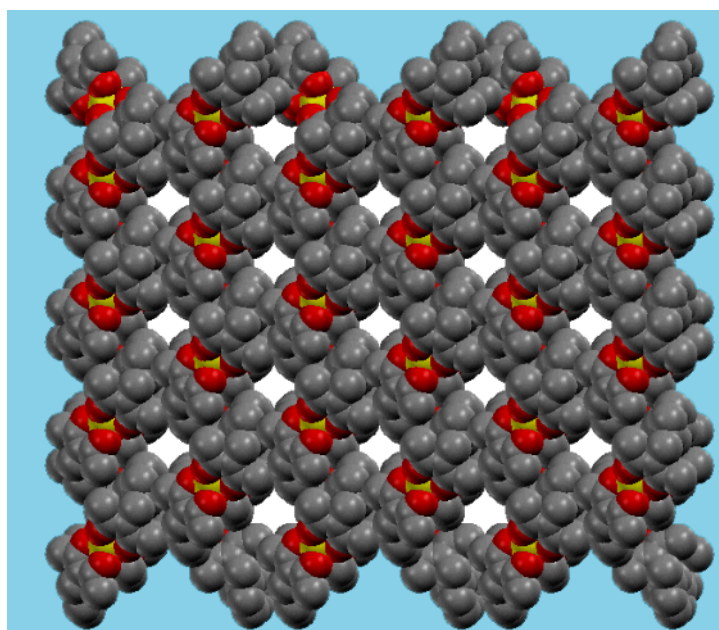
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**Fig. S1** Observed and Simulated ESI-MS of  $[\text{Fe}_2(m\text{-xba})_2(\mu\text{-OCH}_3)_2]\cdot\text{CH}_2\text{Cl}_2$  (**1**).



**Fig. S2** Proton NMR spectra of  $[\text{Fe}_2(m\text{-xba})_2(\mu\text{-OCH}_3)_2]\cdot\text{CH}_2\text{Cl}_2$  (**1**) in  $\text{CD}_2\text{Cl}_2$ . Asterisks show peaks due to the solvent.



**Fig. S3** Space filling diagram of **1** showing void space after removal of  $\text{CH}_2\text{Cl}_2$ .