Supplementary Material (ESI) for Dalton Transactions

Supporting Online Information for

Preparation and characterization of μ-nitrido diiron phthalocyanines with electronwithdrawing substituents: application for catalytic aromatic oxidation.

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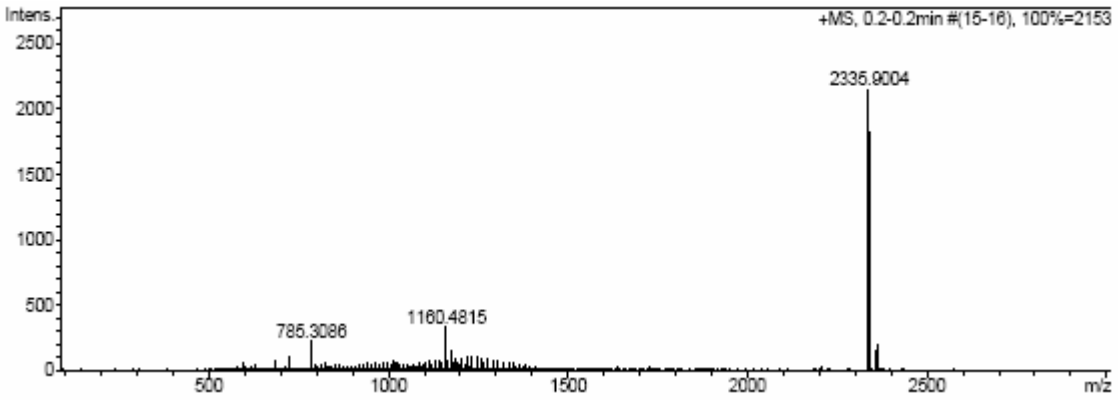
Supplementary Figures S1 to S6

a)



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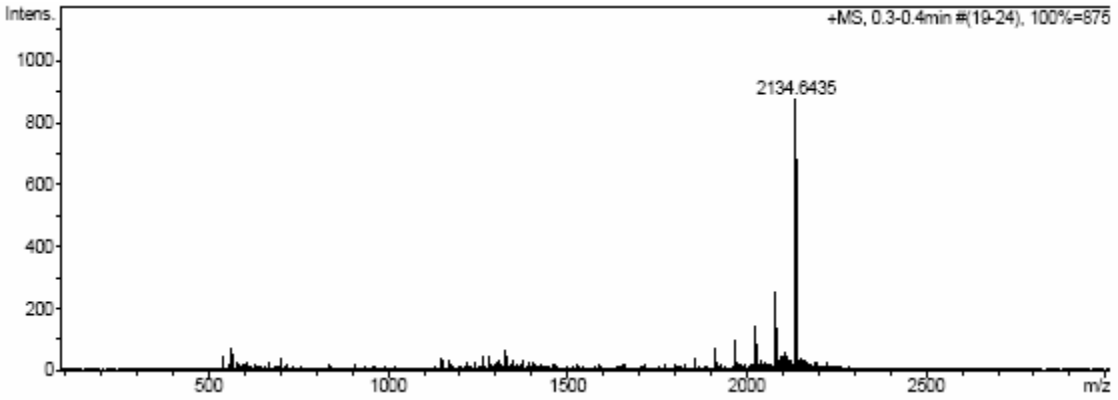
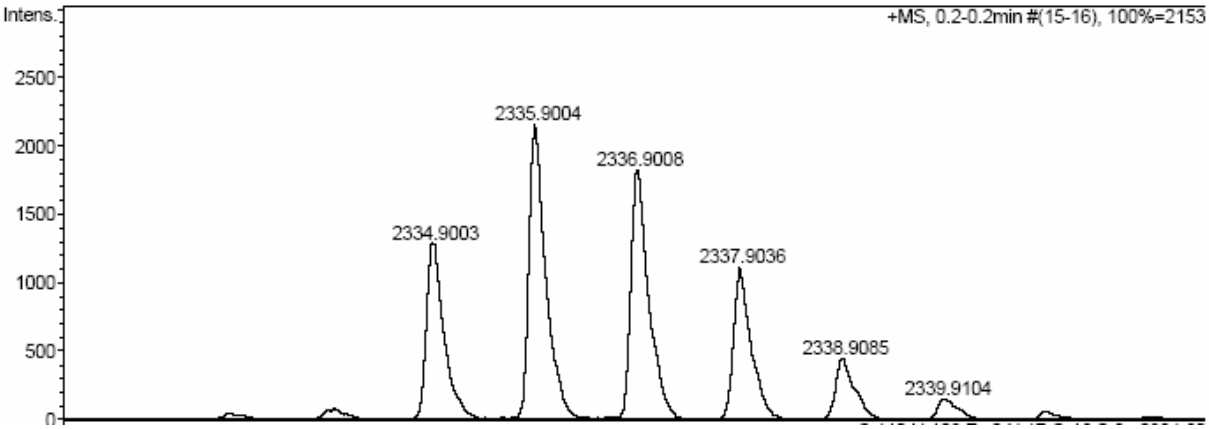


Supplementary Figure 1. ESI-MS spectra of **3a** (a) and **3b** (b).

a)



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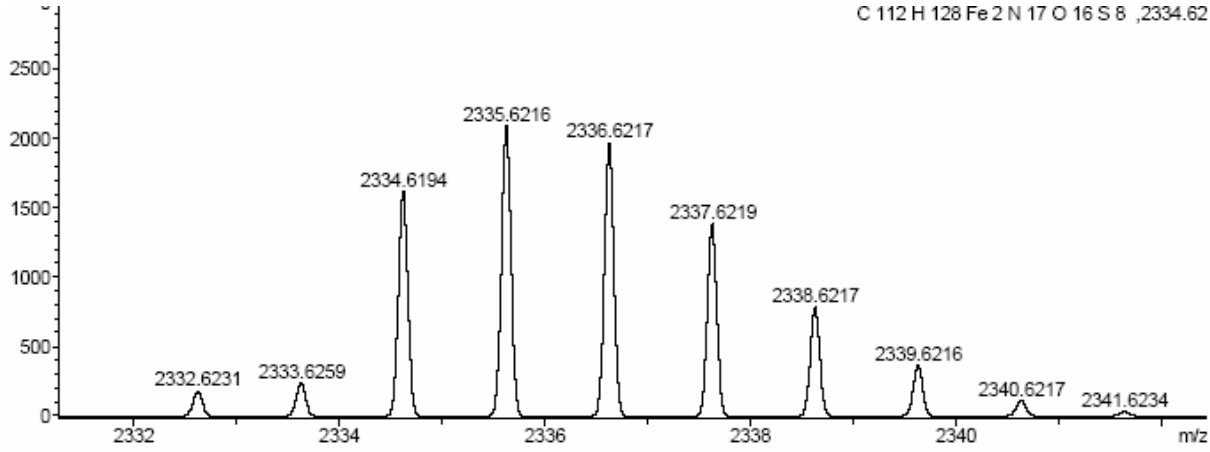
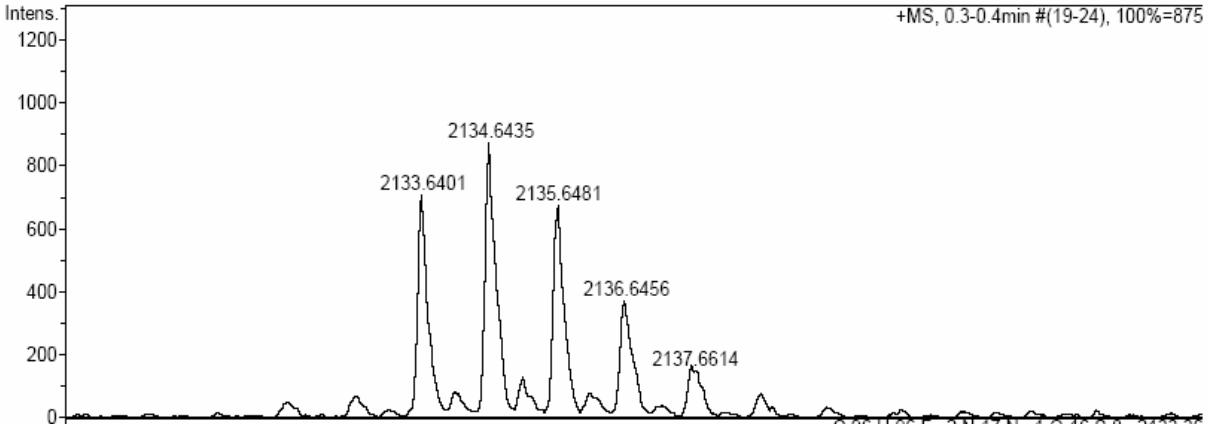
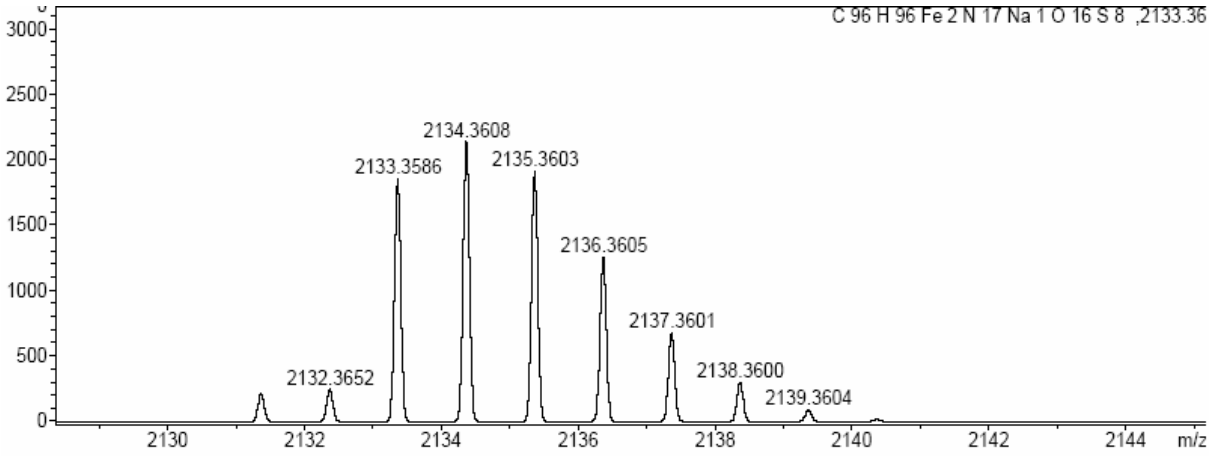


Supplementary Figure 2. Molecular peak cluster of **3a** in ESI-MS spectrum (a) and simulated molecular peak cluster for **3a**, $C_{112}H_{128}N_{17}O_{16}S_8Fe_2$ (b).

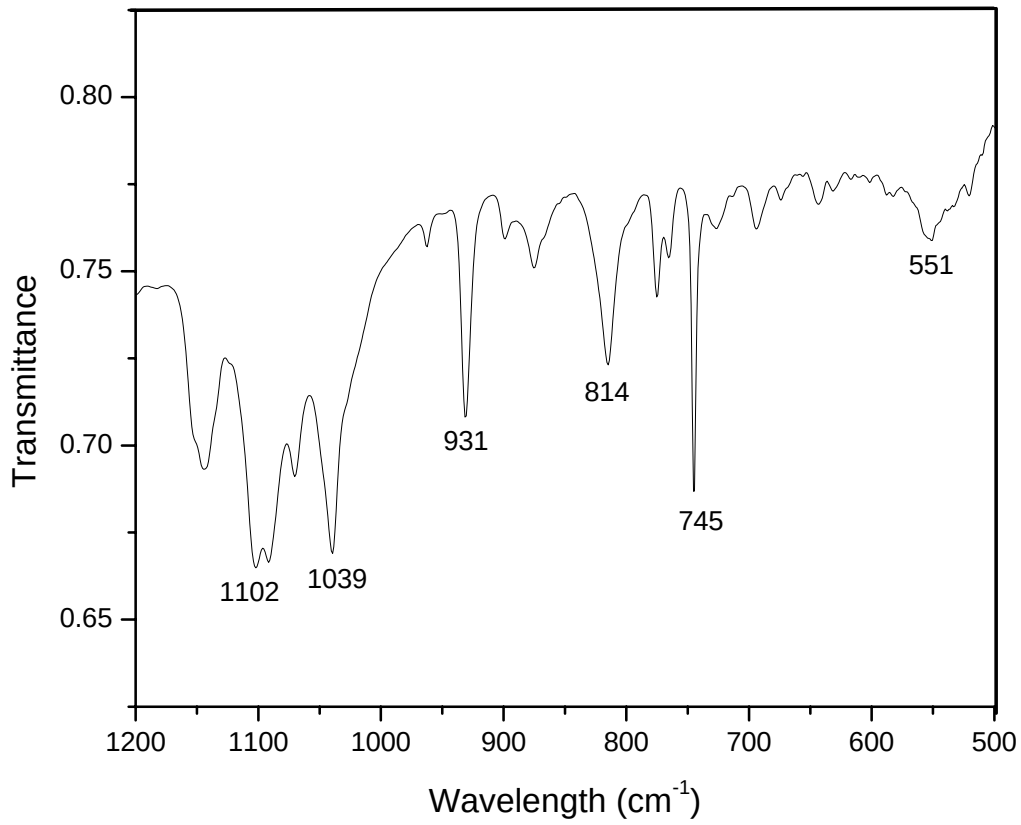
a)



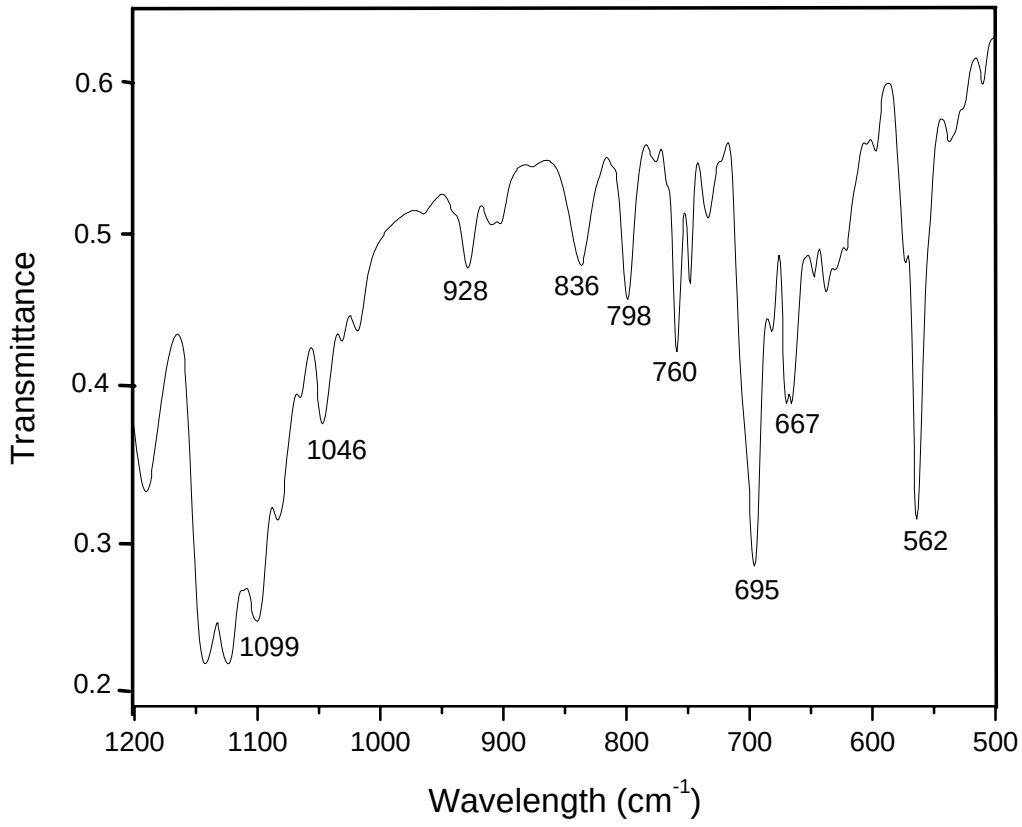
b)



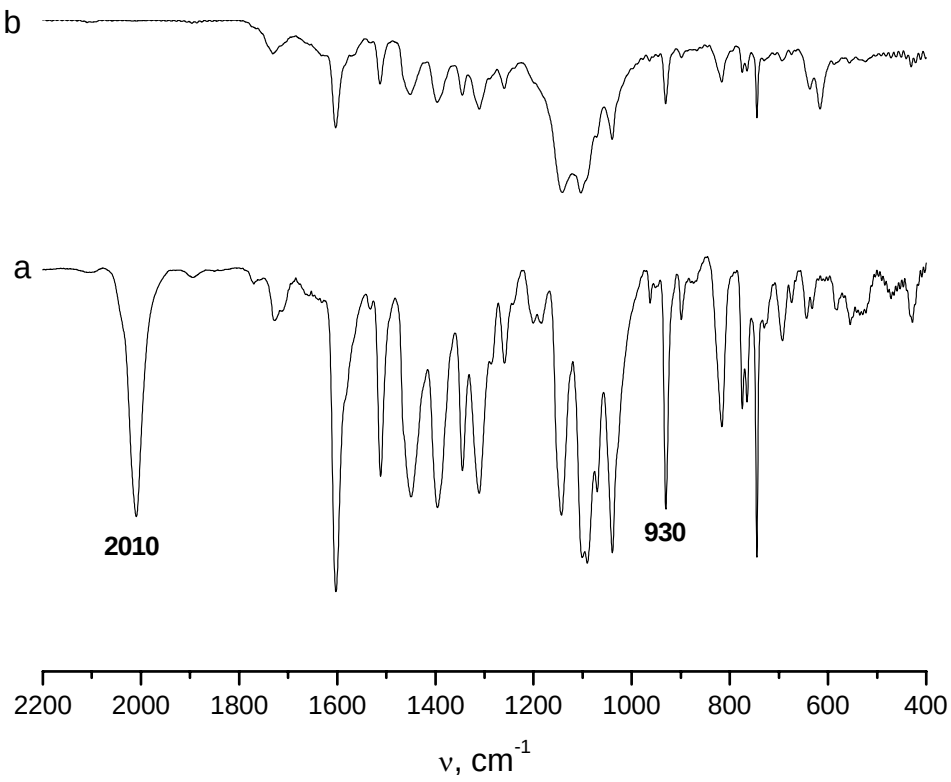
Supplementary Figure 3. Molecular peak cluster of **(3b + Na)**$^+$ in ESI-MS spectrum (a) and simulated molecular peak cluster for **(3b + Na)+**, $C_{96}H_{96}N_{17}O_{16}S_8Fe_2Na$ (b).



Supplementary Figure 4. IR of **3a**.



Supplementary Figure 5. IR of **3b**.



Supplementary Figure 6. IR spectrum of **3a** before (a) and after reduction with $Na_2S_2O_4$ (b). Procedure for the reduction of **3a**: 20 mL of 10^{-3} M **3a** solution in CH_2Cl_2 were stirred with 100 mL of deoxygenated 0.02 M $Na_2S_2O_4$ solution for 5 min. Organic layer was separated and washed with water. The solvent was evaporated under reduced pressure. The product was dried.

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