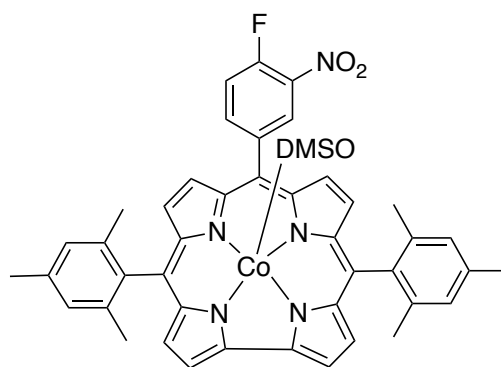
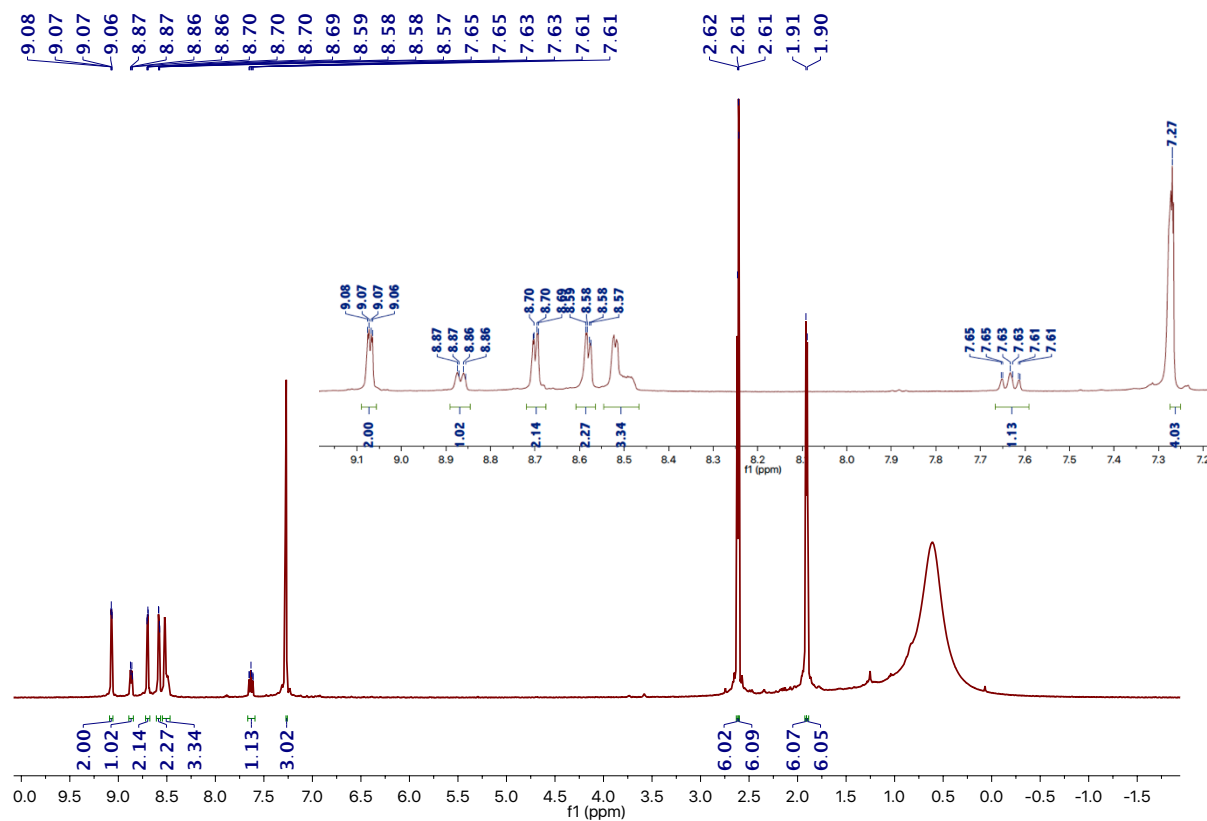


Supporting Information

Mono-DMSO Ligated Cobalt Nitrophenylcorroles: Electrochemical and Spectral Characterization

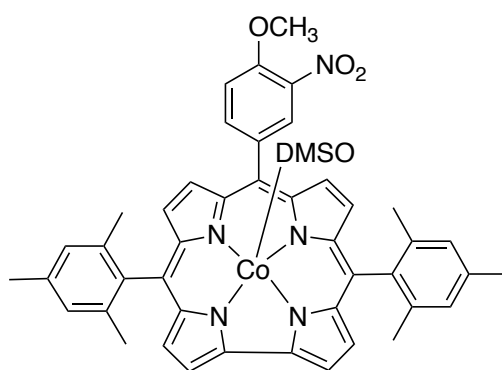
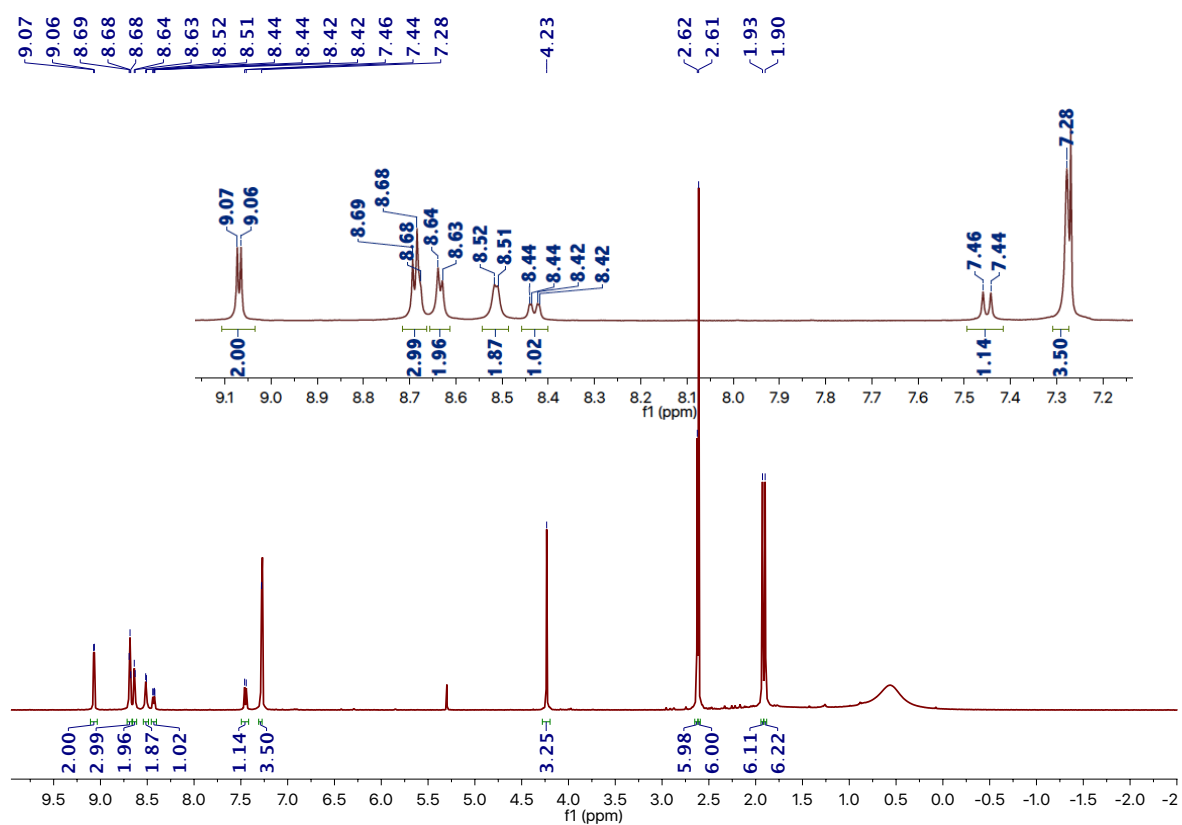
X. Jiang, W. Shan, N. Desbois, V. Quesneau, S. Brandès, E. V. Caemelbecke, W. R. Osterloh, V. Blondeau-Patissier, C. P. Gros and K. M. Kadish

Figure S1.	¹ H NMR spectrum of 1 in CDCl ₃ with NH ₃ (g)	p. 2
Figure S2.	¹ H NMR spectrum of 2 in CDCl ₃ with NH ₃ (g)	p. 3
Figure S3.	¹ H NMR spectrum of 3 in CDCl ₃ with NH ₃ (g)	p. 4
Figure S4.	¹ H NMR spectrum of 4 in CDCl ₃ with NH ₃ (g)	p. 5
Figure S5.	MS (MALDI/TOF) and HRMS (ESI) spectra of 1	p. 6
Figure S6.	MS (ESI) spectrum of 1	p. 7
Figure S7.	MS (MALDI/TOF) and HRMS (ESI) spectra of 2	p. 8
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Chemical Formula: C₄₅H₃₉CoFN₅O₃S
 Exact Mass: 807.2090
 Molecular Weight: 807.8306

Figure S1. ¹H NMR spectrum of **1**



Chemical Formula: C₄₆H₄₂CoN₅O₄S
 Exact Mass: 819.2290
 Molecular Weight: 819.8662

Figure S2. ¹H NMR spectrum of **2**

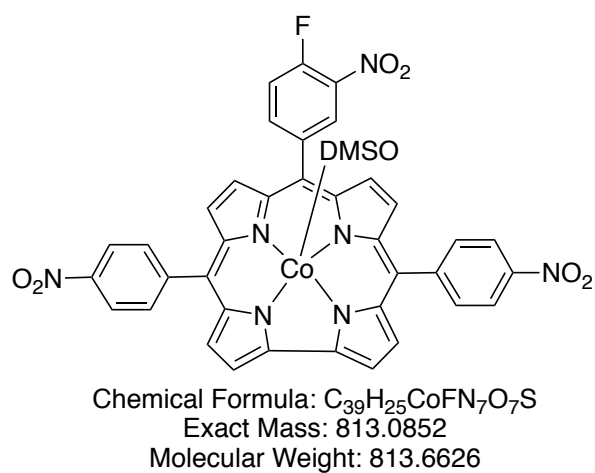
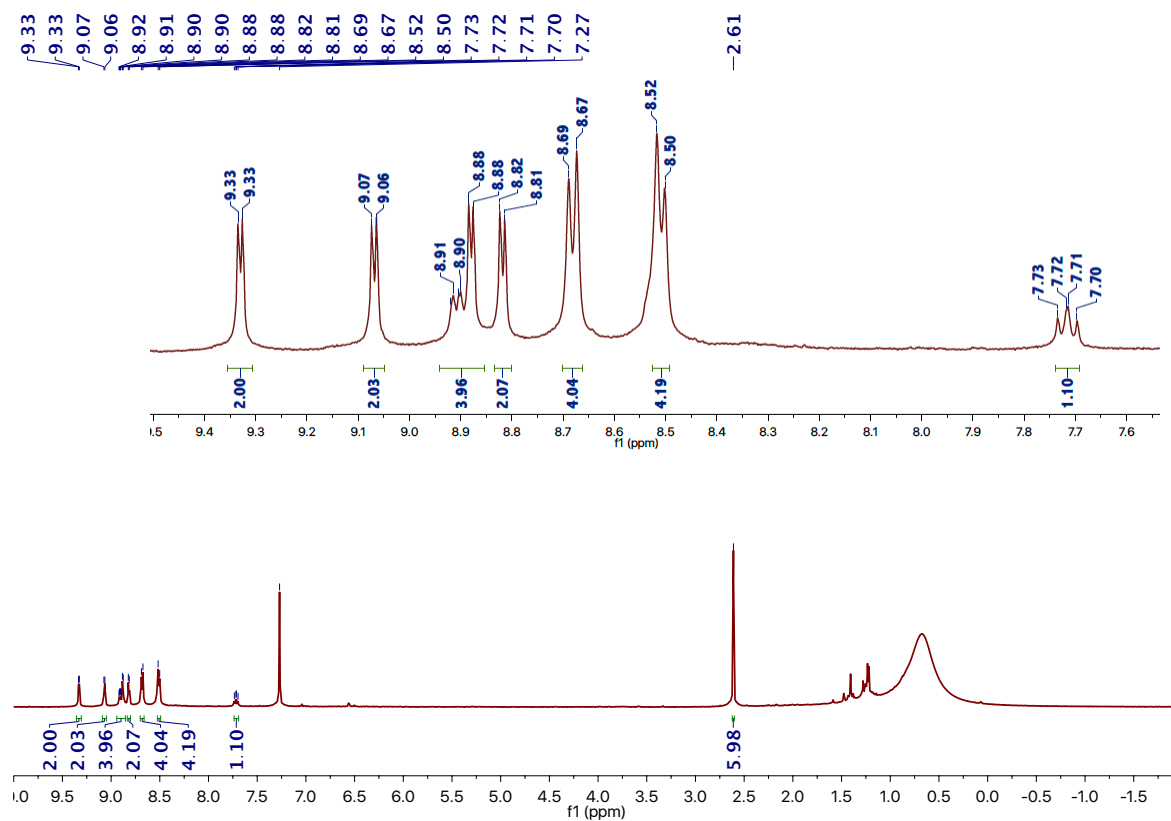
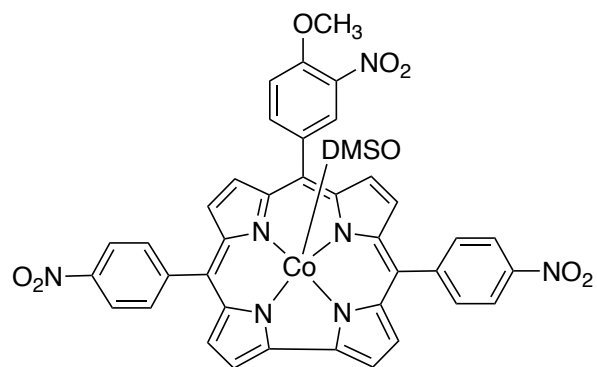
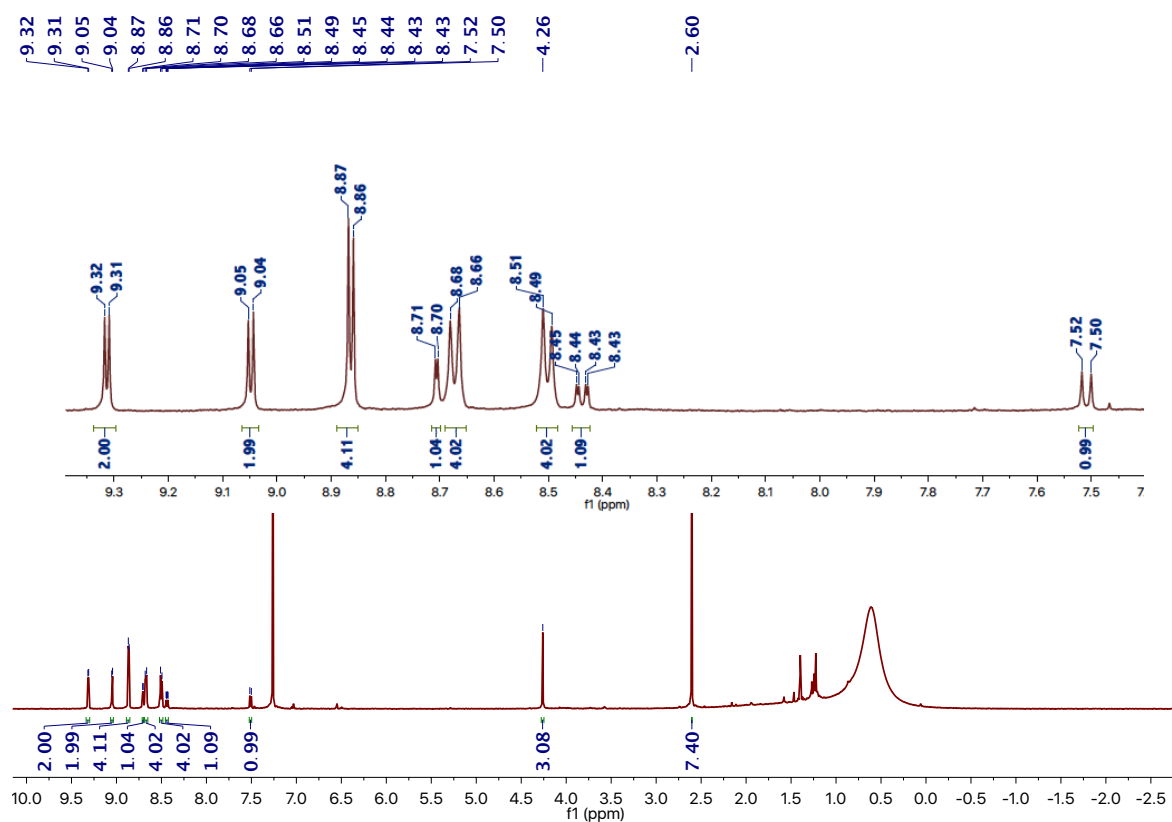


Figure S3. ¹H NMR spectrum of **3**



Chemical Formula: C₄₀H₂₈CoN₇O₈S
 Exact Mass: 825.1052
 Molecular Weight: 825.6982

Figure S4. ¹H NMR spectrum of **4**

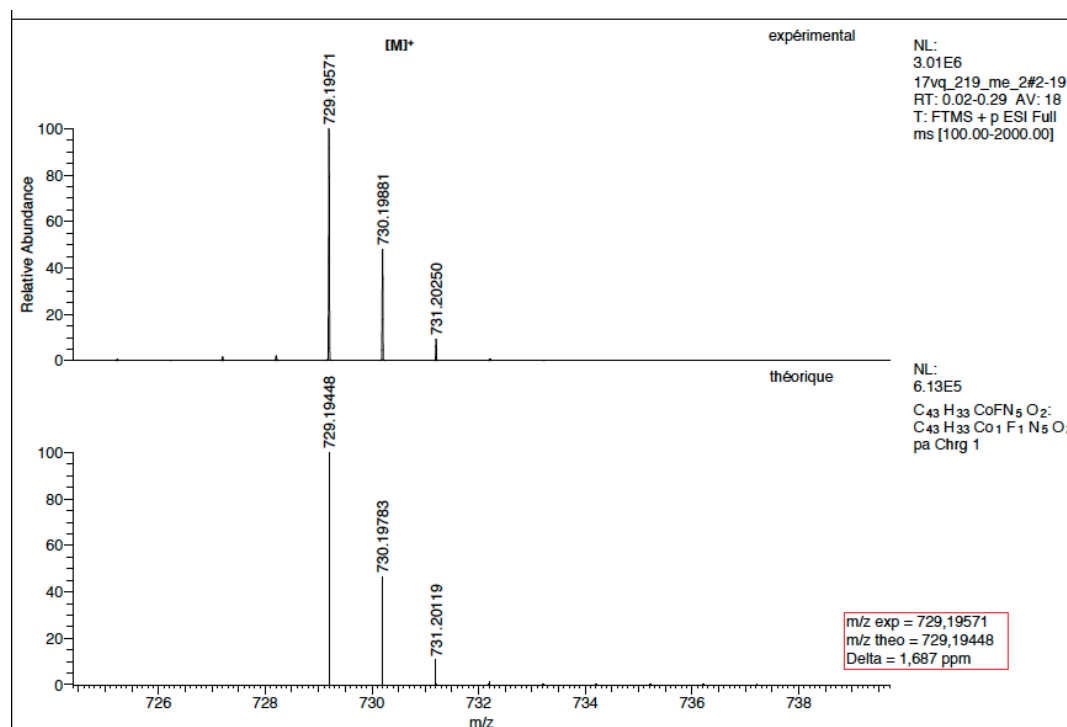
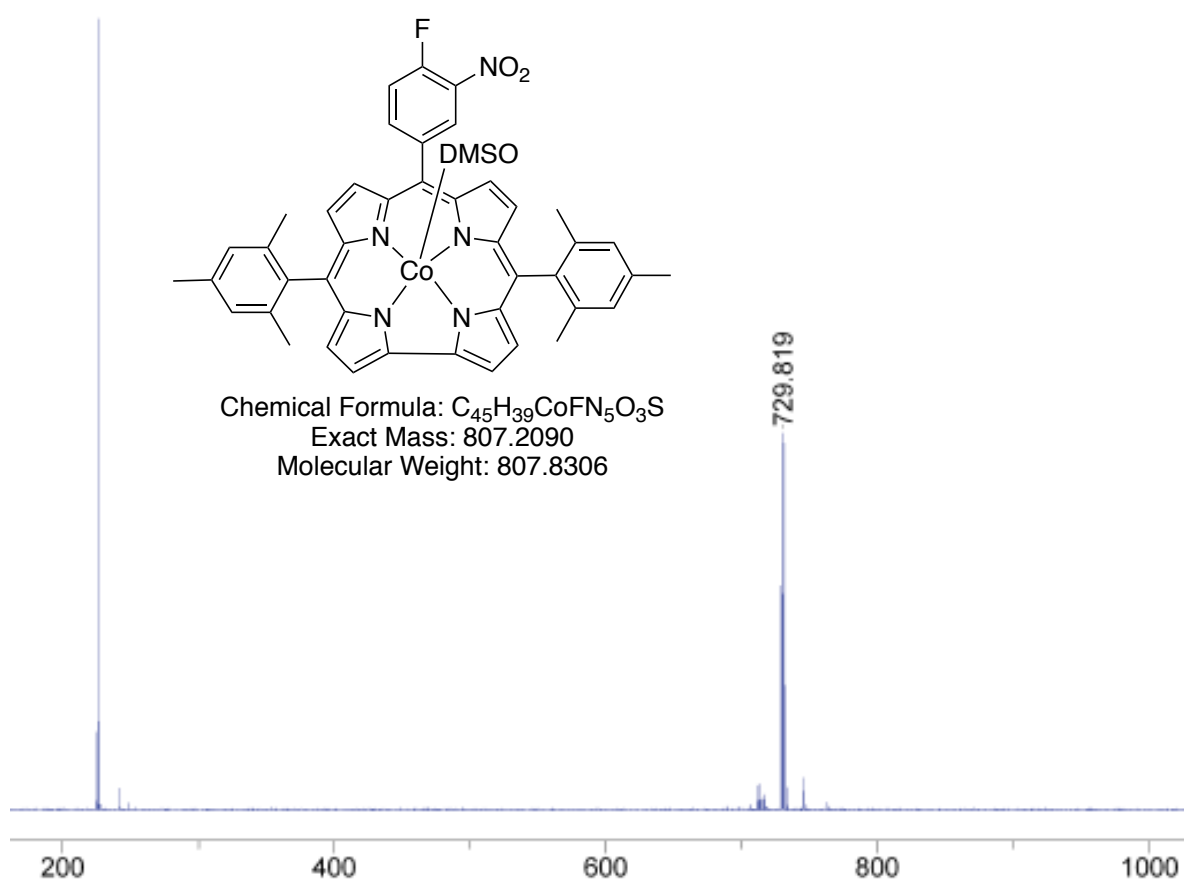


Figure S5. MS (MALDI/TOF) and HRMS (ESI) spectra of **1**

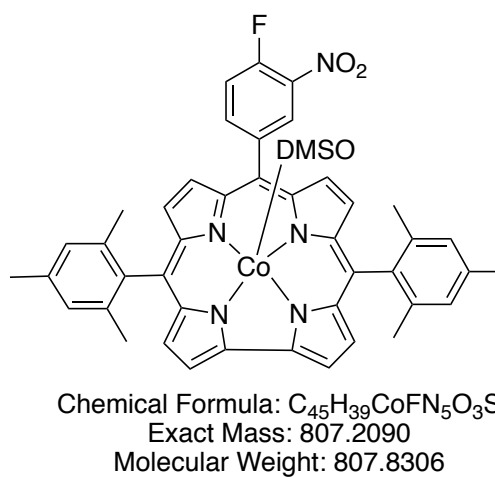
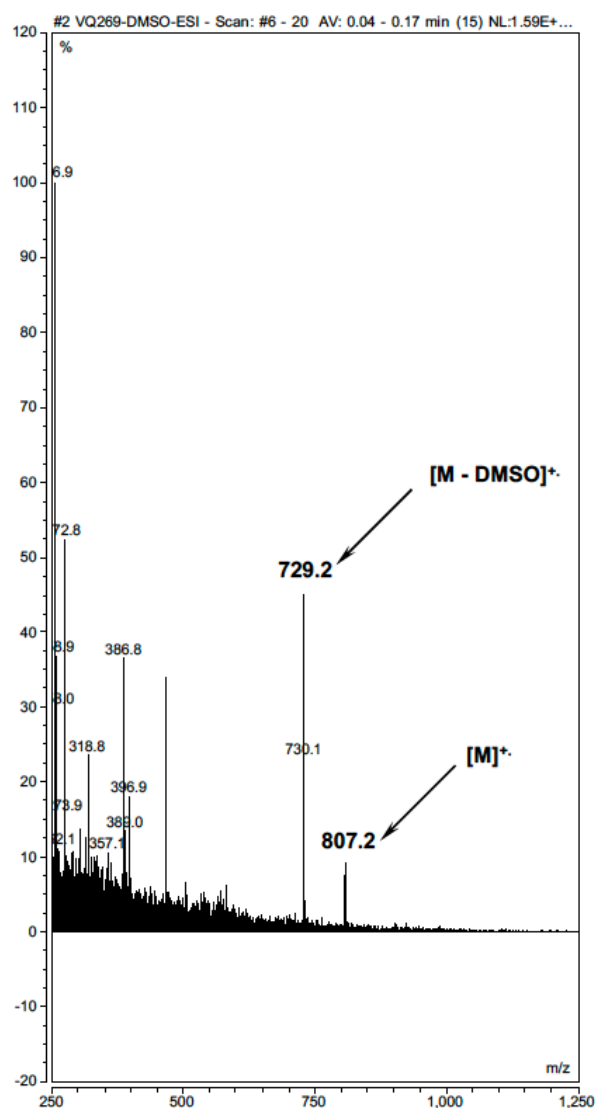


Figure S6. MS (ESI) spectrum of **1**

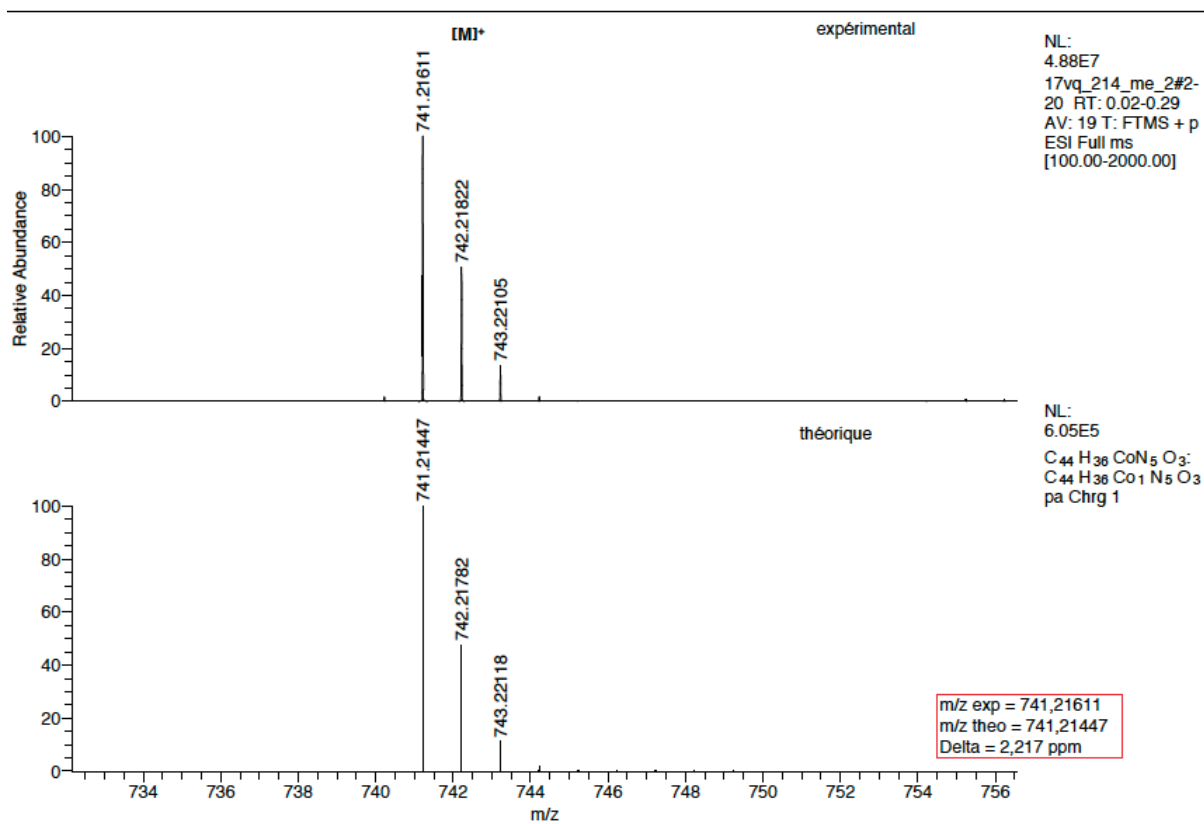
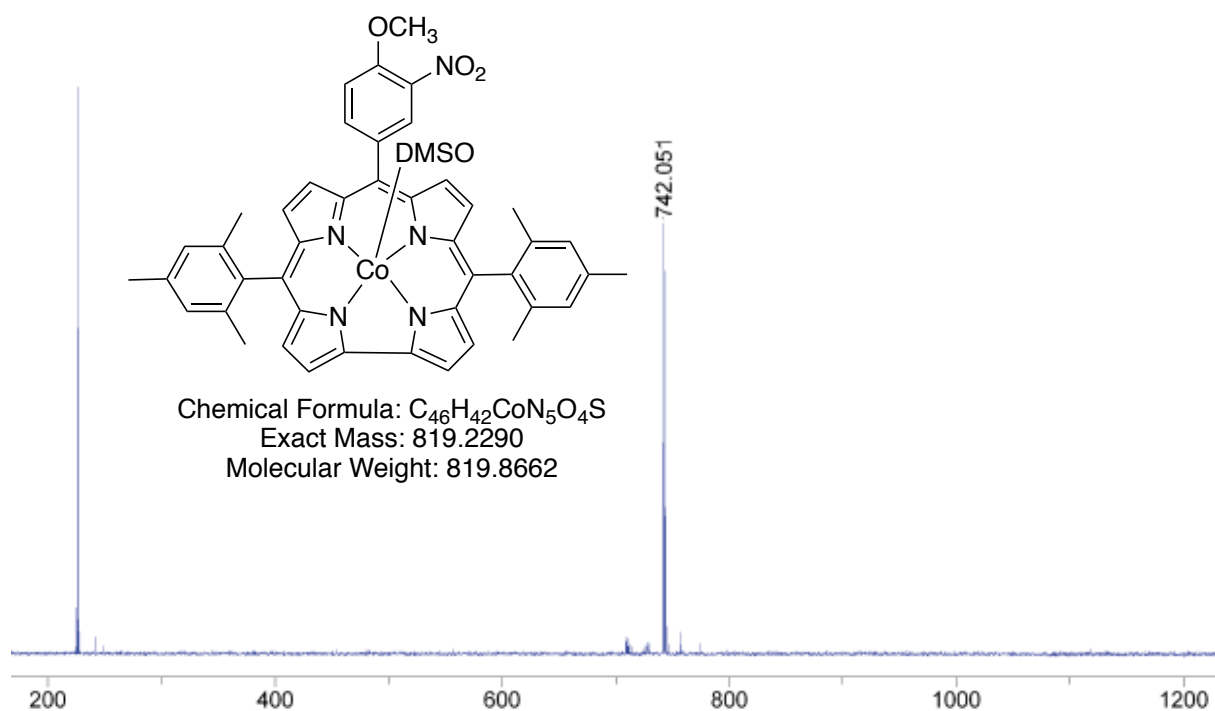
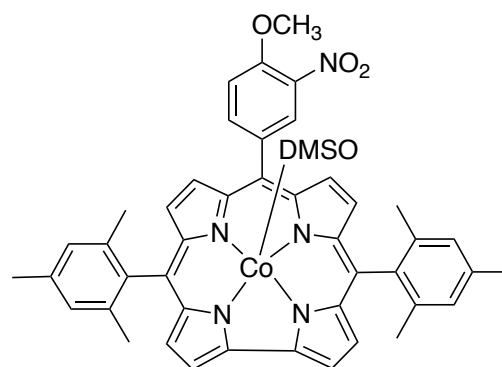
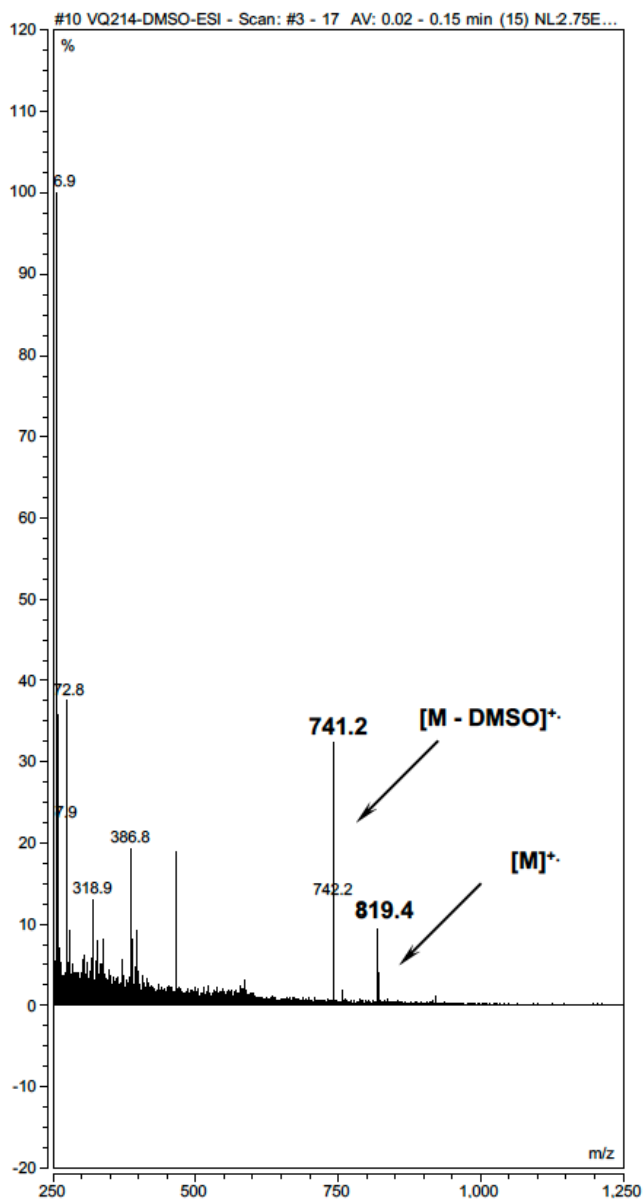


Figure S7. MS (MALDI/TOF) and HRMS (ESI) spectra of **2**



Chemical Formula: $C_{46}H_{42}CoN_5O_4S$
 Exact Mass: 819.2290
 Molecular Weight: 819.8662

Figure S8. MS (ESI) spectrum of **2**

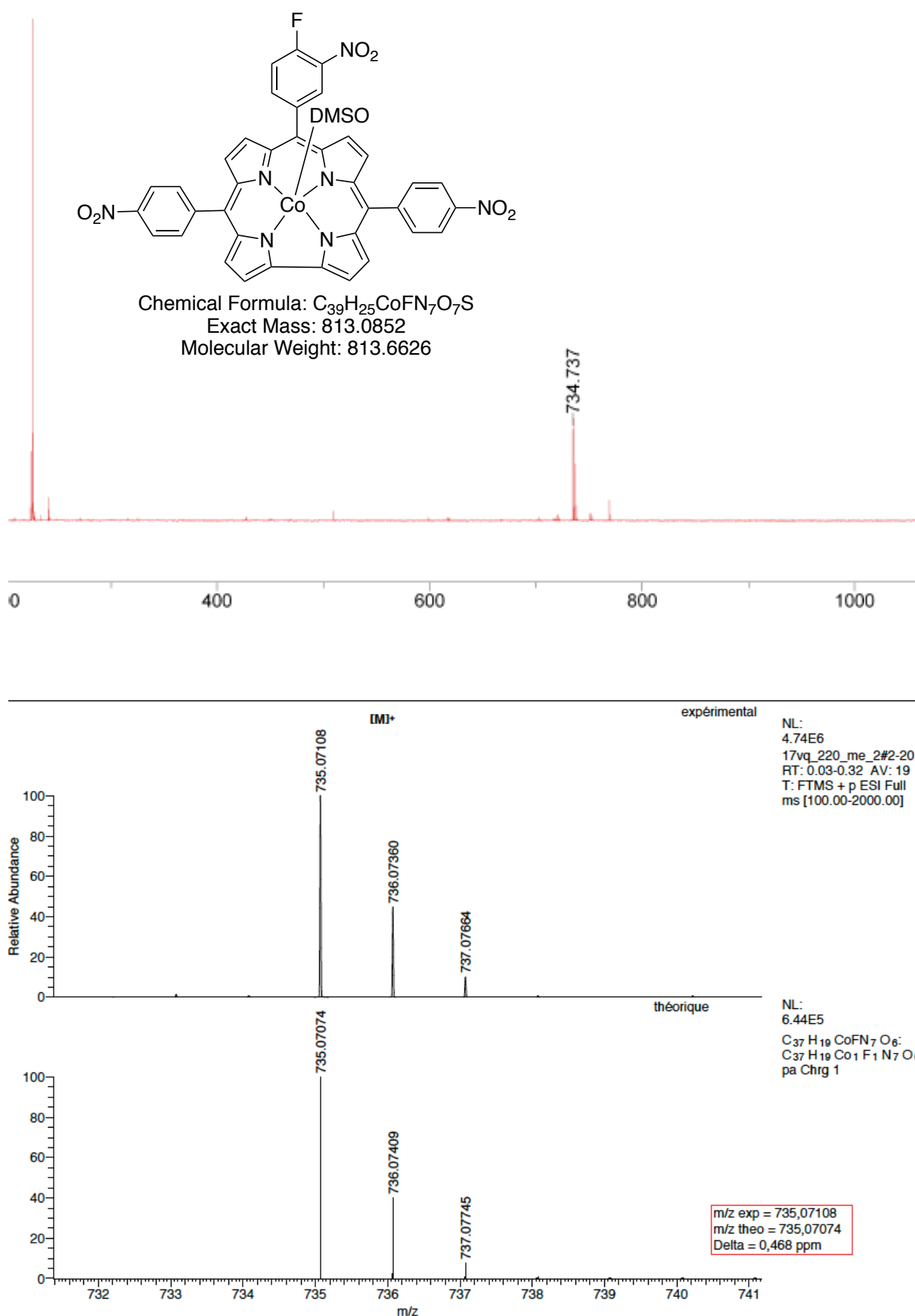
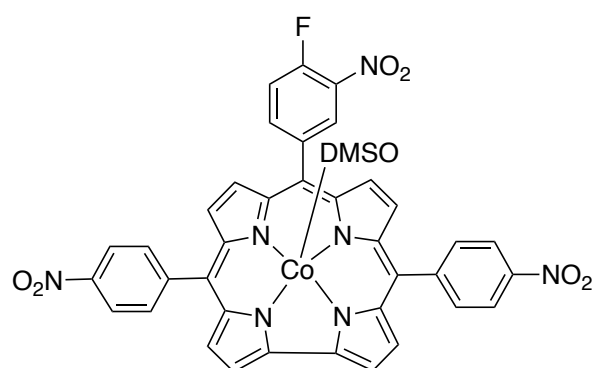
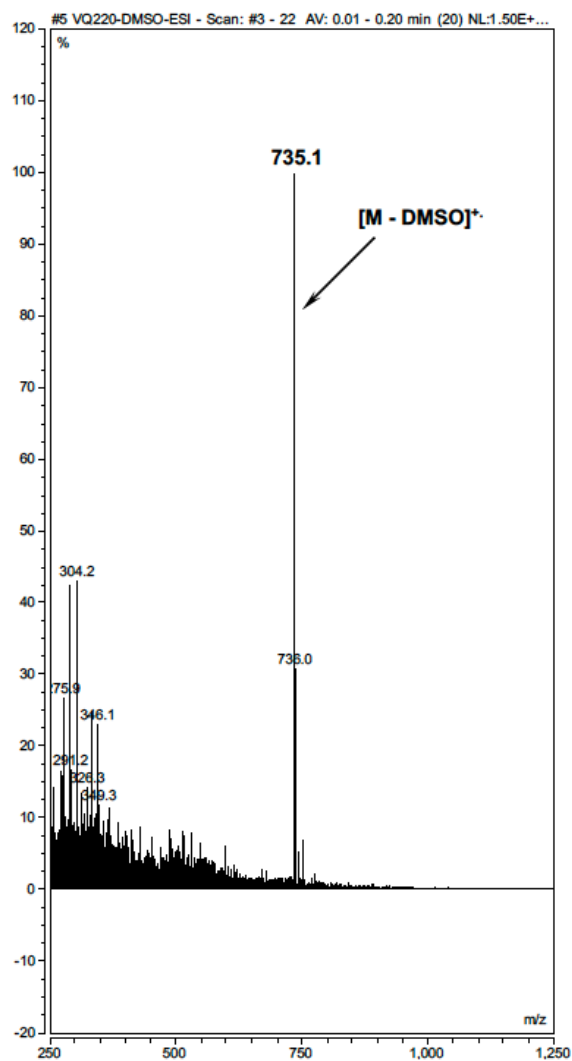


Figure S9. MS (MALDI/TOF) and HRMS (ESI) spectra of **3**



Chemical Formula: $C_{39}H_{25}CoFN_7O_7S$
 Exact Mass: 813.0852
 Molecular Weight: 813.6626

Figure S10. MS (ESI) spectrum of **3**

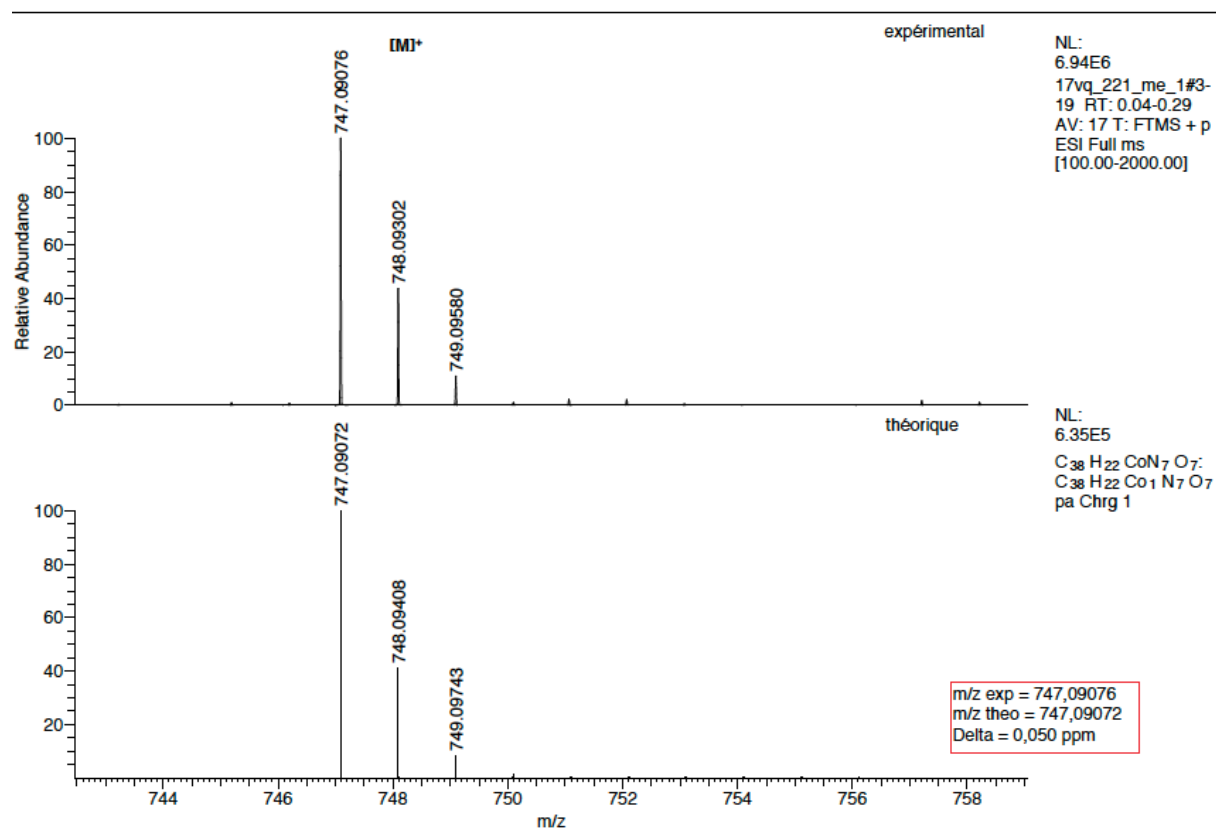
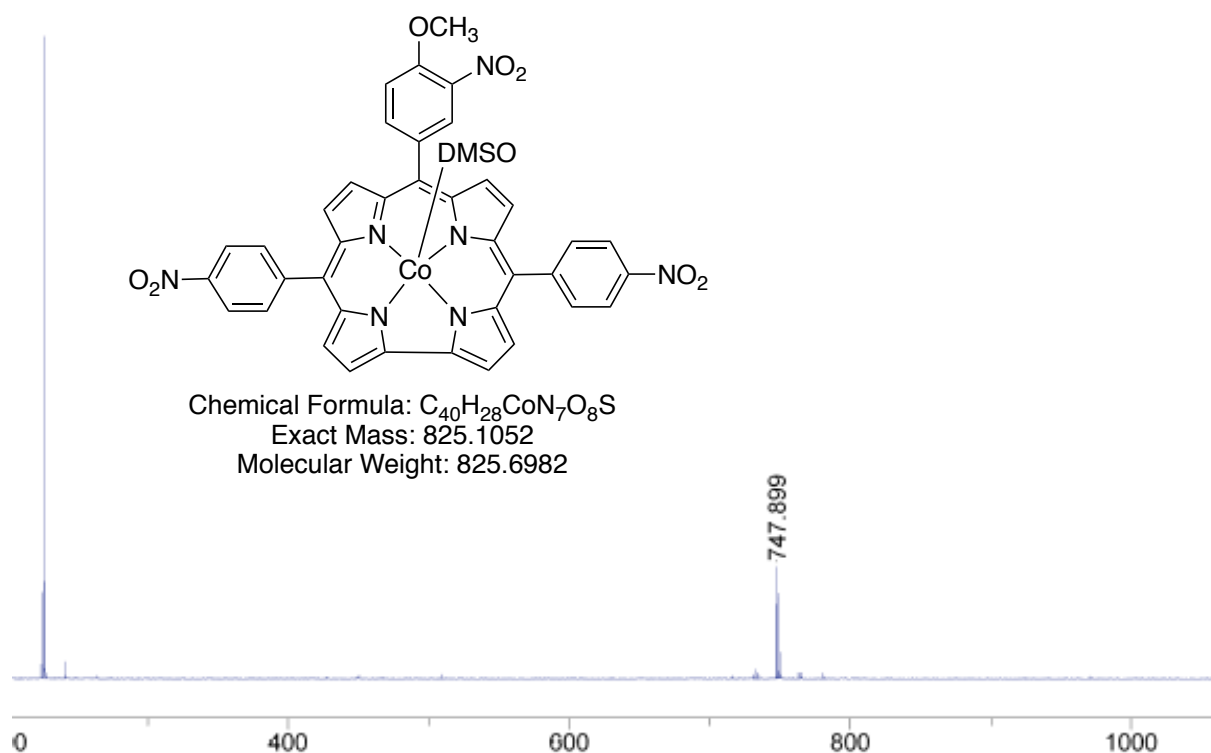
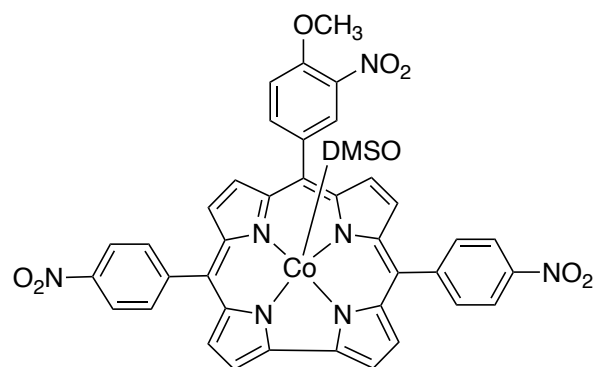
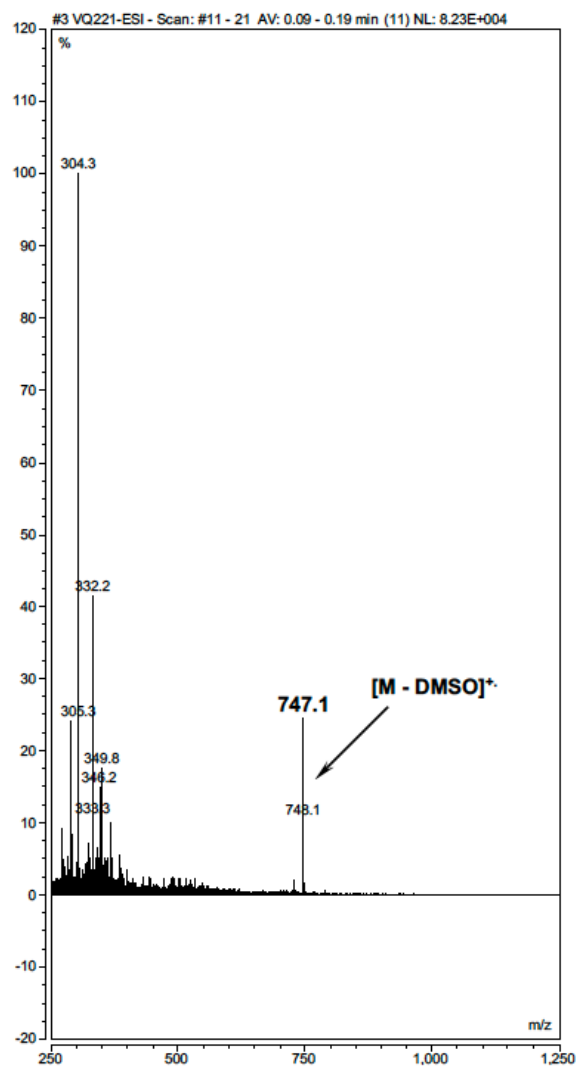


Figure S11. MS (MALDI/TOF) and HRMS (ESI) spectra of **4**



Chemical Formula: $C_{40}H_{28}CoN_7O_8S$
 Exact Mass: 825.1052
 Molecular Weight: 825.6982

Figure S12. MS (ESI) spectrum of **4**

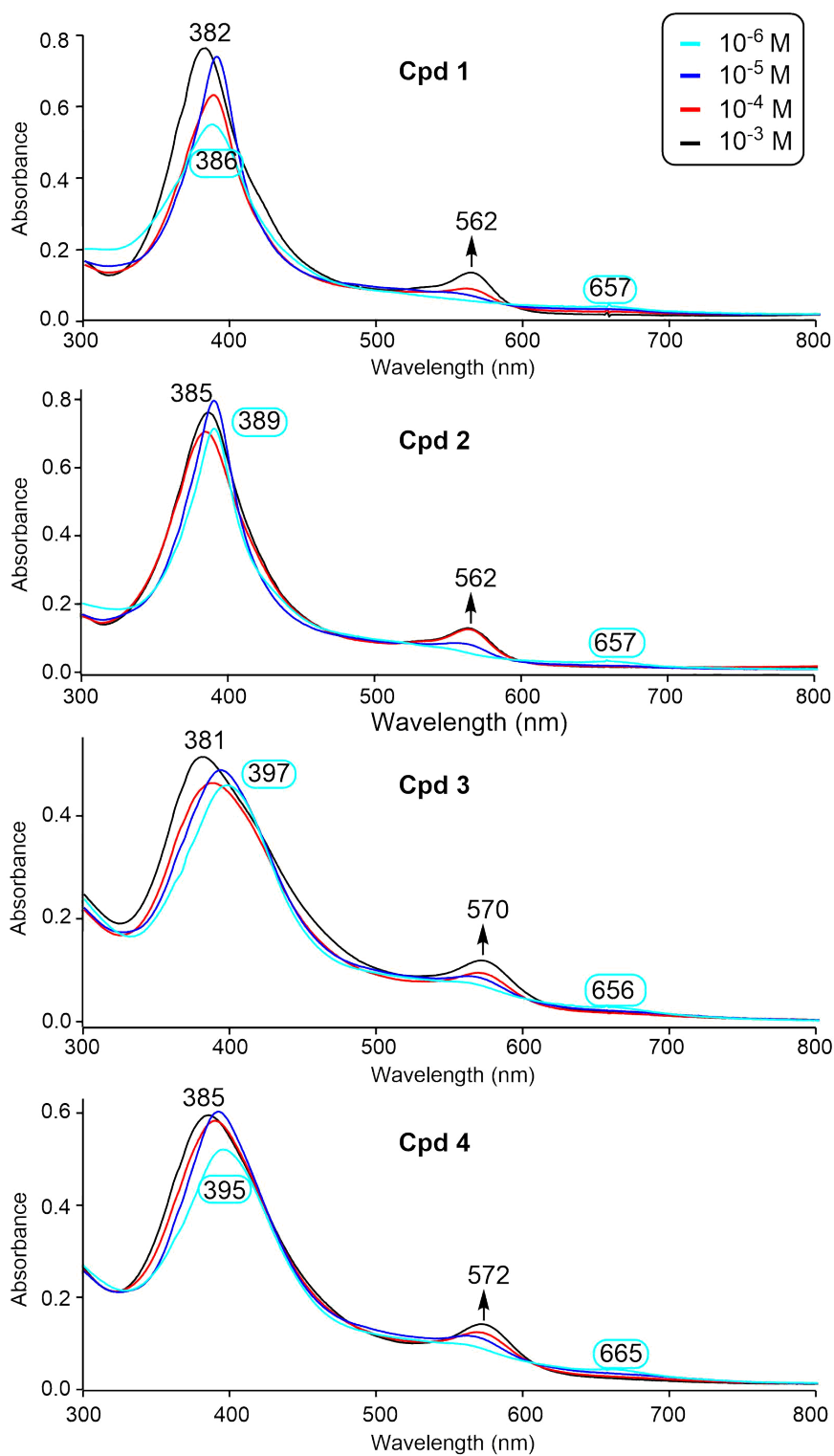


Figure S13. Changes in absorbance (A) of compounds **1-4** at concentrations ranging from 10^{-6} M to 10^{-3} M in CH_2Cl_2 while cell path length (b) times concentration (C) constant.

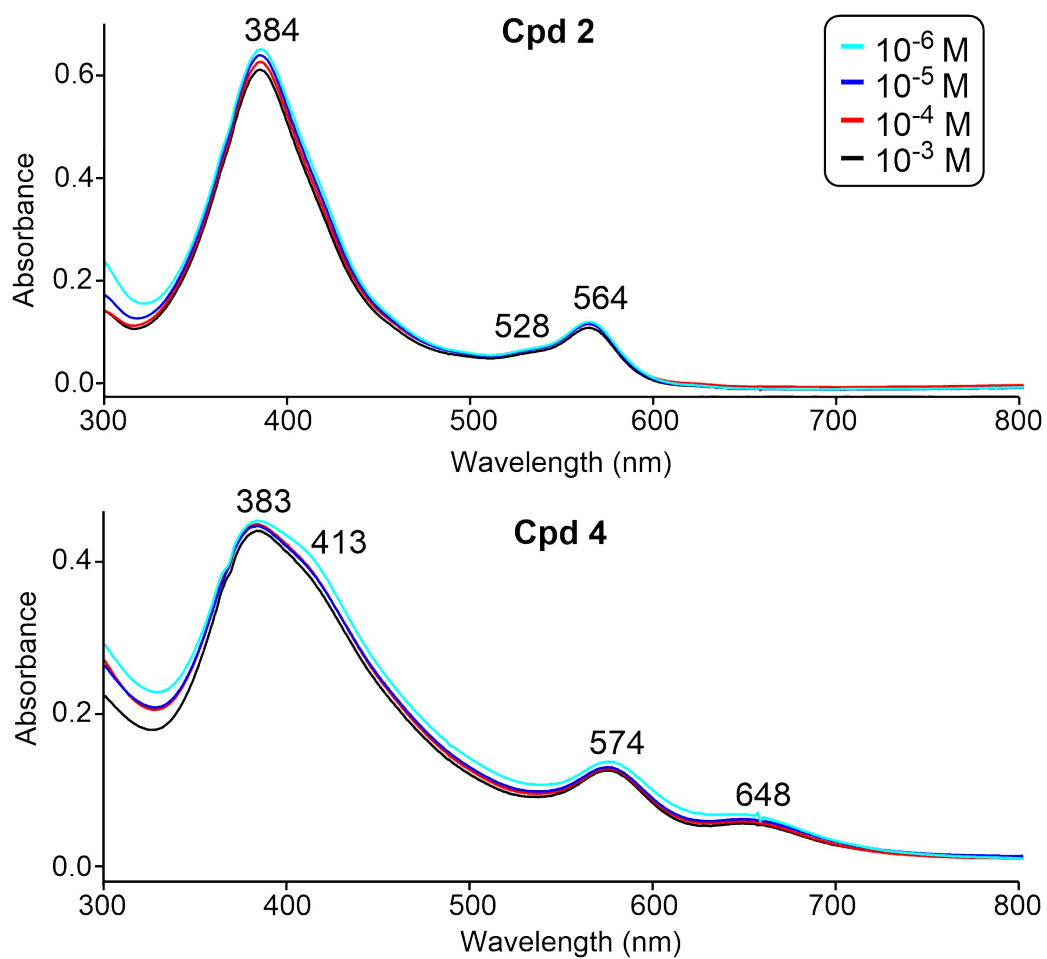


Figure S14. Changes in absorbance (A) of compounds **2** and **4** at concentrations ranging from 10^{-6} M to 10^{-3} M in DMSO while cell path length (b) times concentration (C) constant.

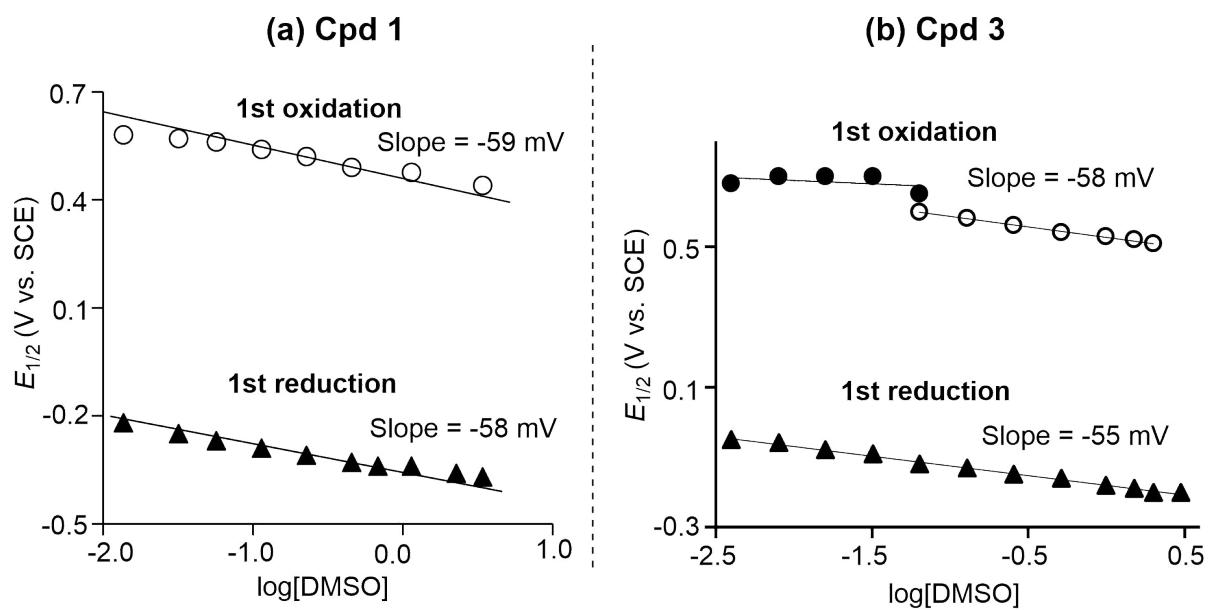


Figure S15. Plot of $E_{1/2}$ vs. $\log [\text{DMSO}]$ for the first oxidation and the first reduction of (a) compound **1** and (b) compound **3** in CH_2Cl_2 .