Supporting Information

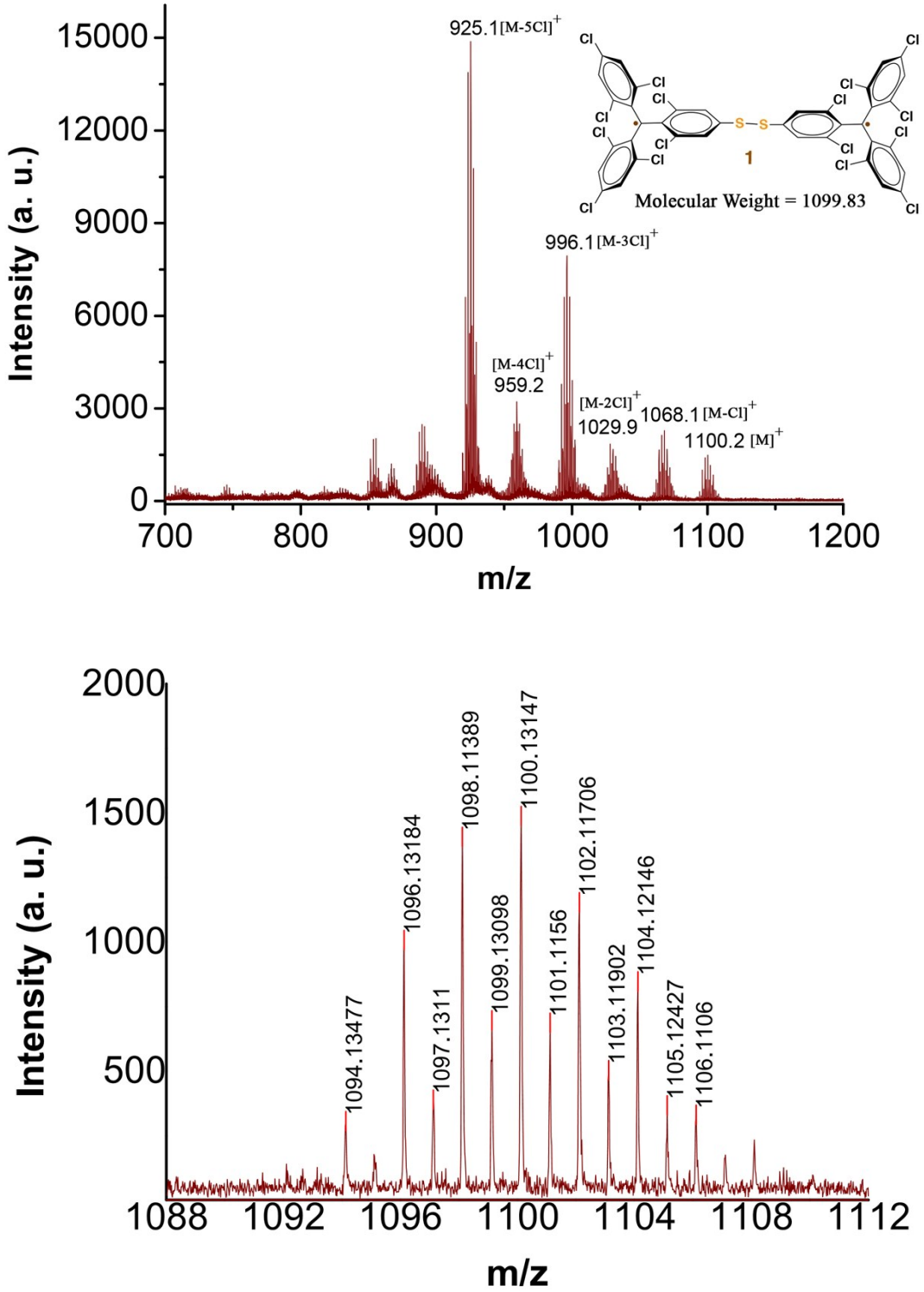

Figure S1: MALDI-TOF of **1** diradical under positive mode. The enlarged plot at m/z = 1100 also showed.

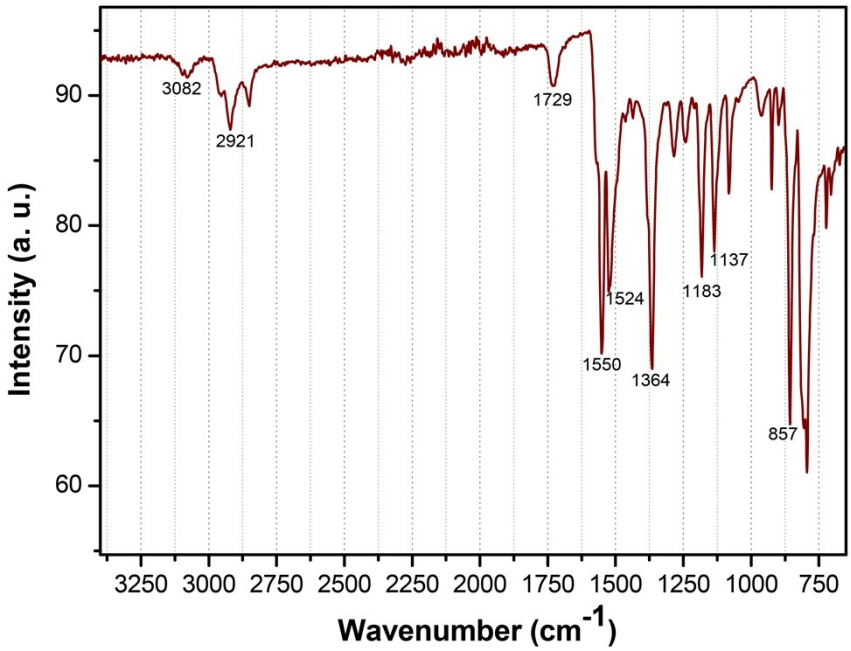

Figure S2: IR (ATR) of **1.**

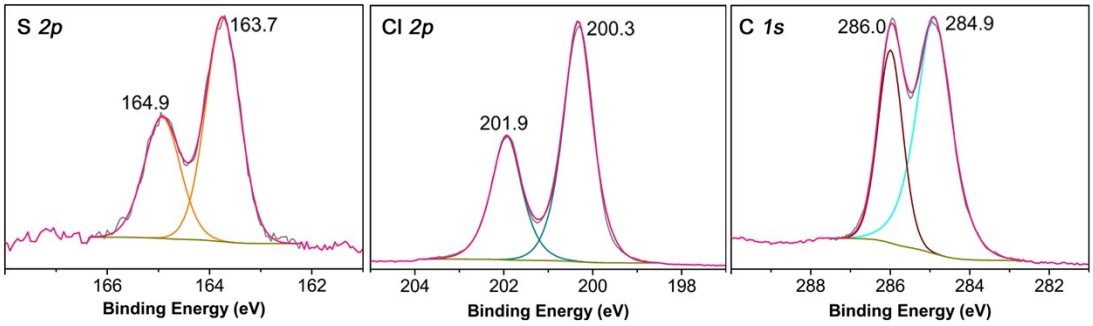

Figure S3: XPS of **1** drop-casted on Au.

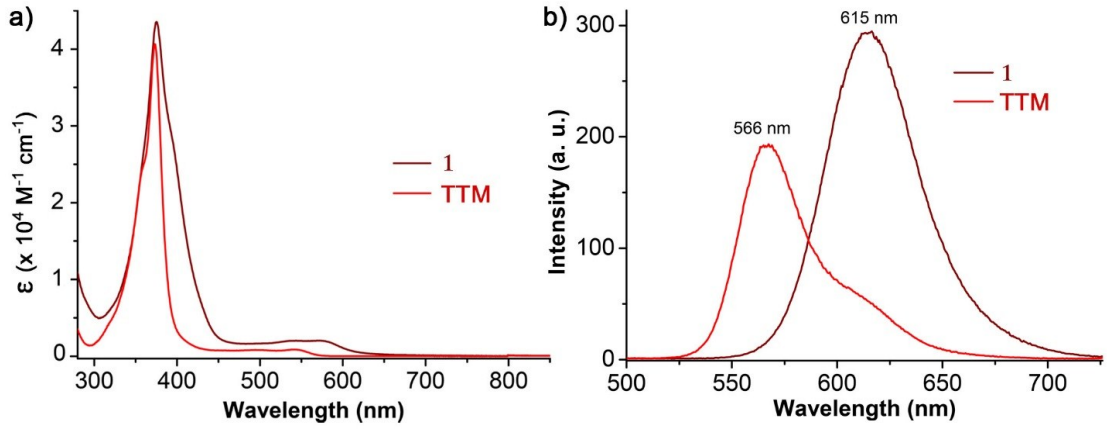

Figure S4: a) UV-vis and b) fluorescence spectra of **1** and TTM in CH_2Cl_2. Solutions of 1.3×10^{-5} M and 1×10^{-6} M were used for UV-vis and fluorescence spectroscopy, respectively (λ_{ex} = 375 nm).

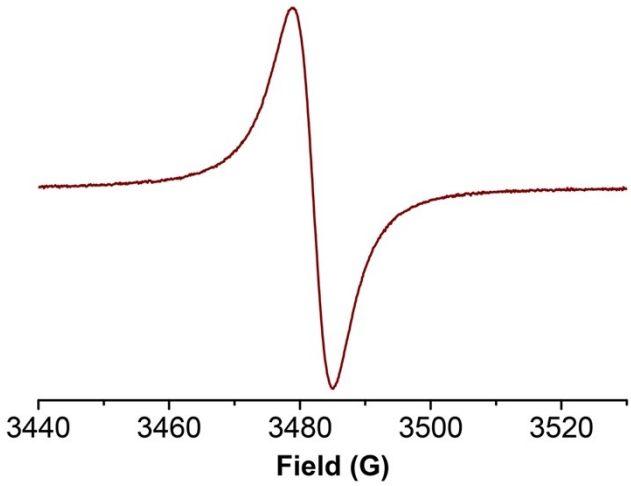

Figure S5: EPR of **1** (solid) at 300 K.

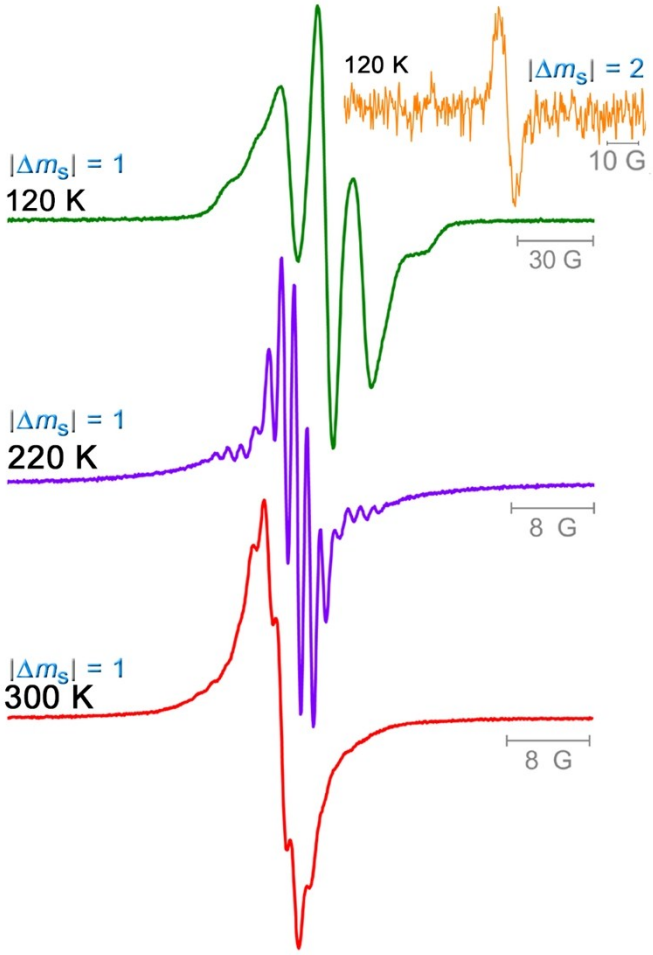

Figure S6: The temperature-dependent EPR of **1** (5×10^{-4} M) in CH_2Cl_2/toluene (1:1 *v/v*).

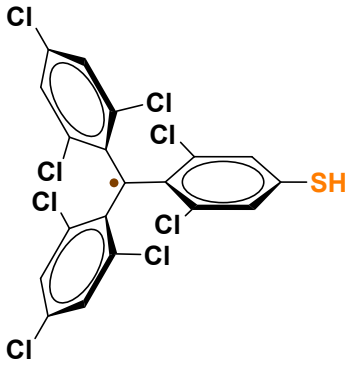

Figure S7: Monoradical by-product that is formed during the synthesis if **1**.

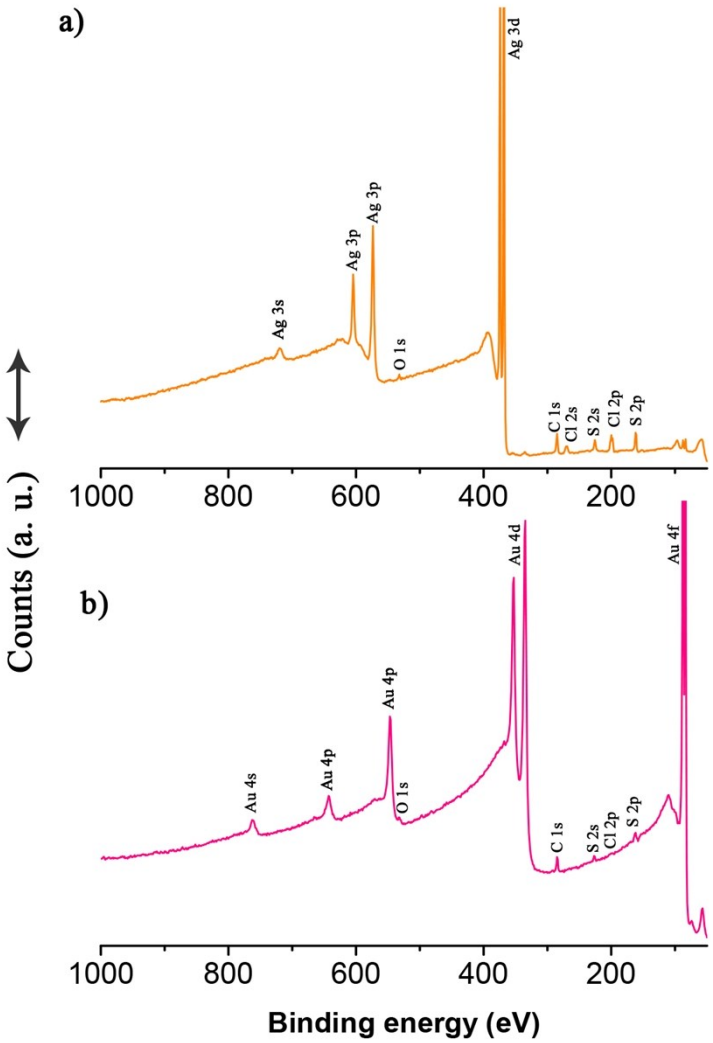

Figure S8: XPS general survey of a) **1**/Ag and b) **1**/Au.

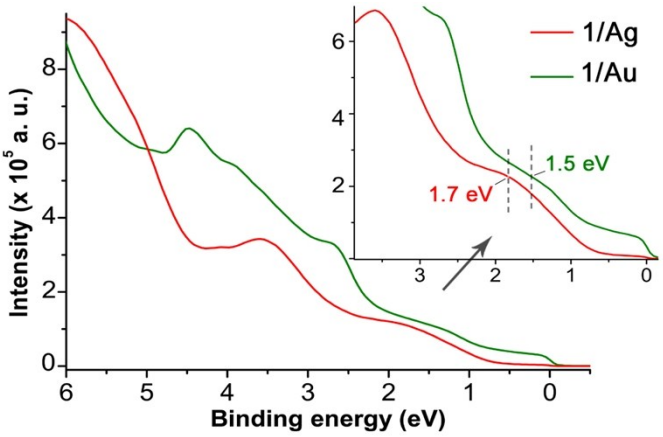

Figure S9: UPS of **1**/Ag and **1**/Au.

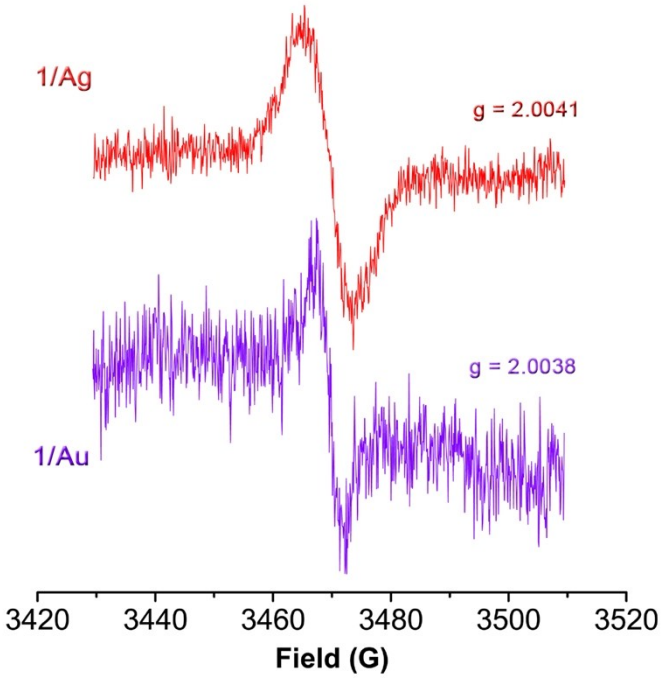

Figure S10: ESR of **1**/Ag and **1**/Au under ambient conditions.