Supporting information

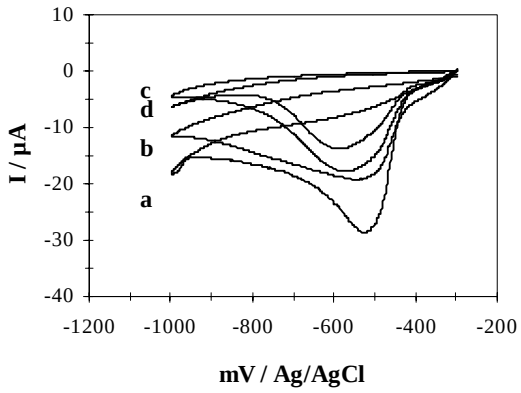

Figure S1. Cyclic Voltammetry of a copper electrode (diameter = 1 mm) in ACN + 0.1 M NBu_4BF_4 + 10 mM $N_2C_6H_5BF_4$ solution. a)1st, b) 2nd, c) 5th and d) 10th scan. Scan rate = 0.2 V s^{-1}.

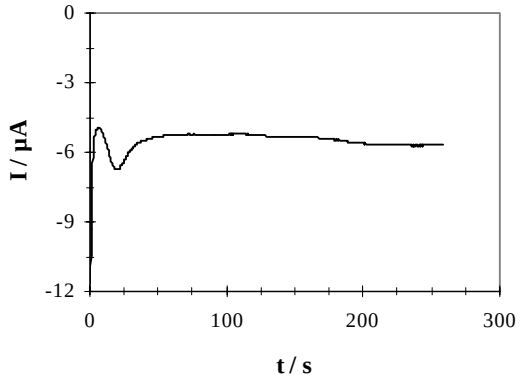

Figure S2. Chronoamperometric curve of a copper electrode (diameter = 1 mm), maintained at E = -0.8 V/SCE, in ACN + 0.1 M NBu_4BF_4 + 2 mM $N_2C_6H_5BF_4$.

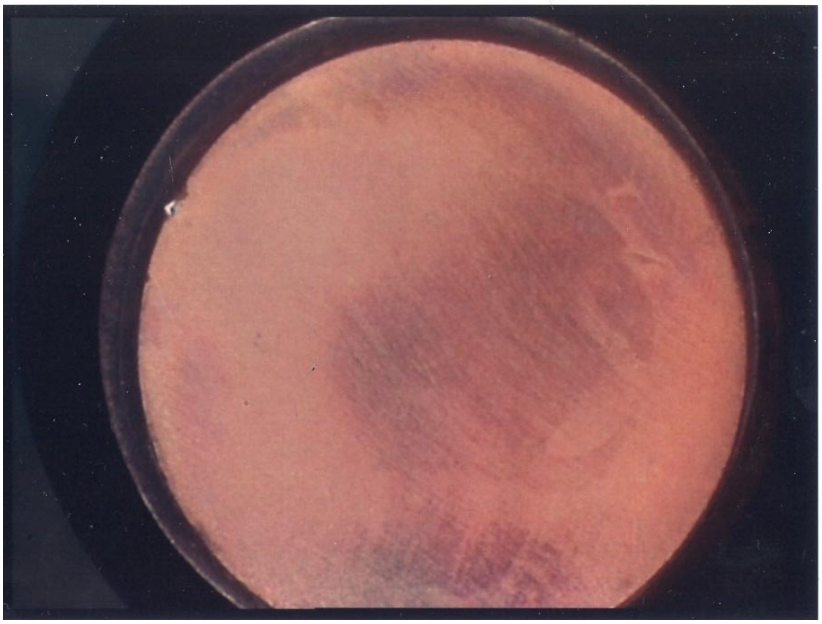

Figure S3. Copper electrode derivatized with a 1.54 µm thick PP film (diameter: 0.9 cm).

Figure S4. Copper electrode derivatized with a 1.54 µm thick PP film (93 µm x 67 µm).

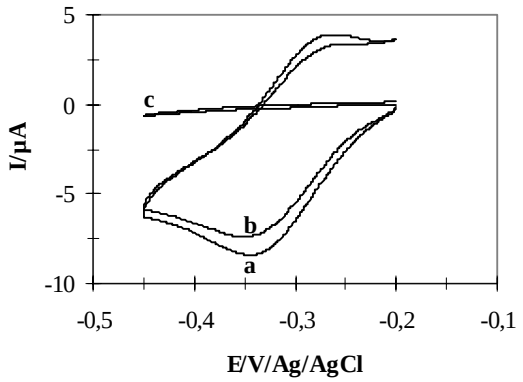

Figure S5. Cyclic Voltammetry of a copper electrode (diameter = 1 mm) in a 0,1 M KCl + 2 mM $[Ru(NH_3)_6]Cl_3$ aqueous solution, pH 7, phosphate buffer. a) bare, b) modified for 25 min in ACN + 0.1 M NBu_4BF_4 + 10 mM $N_2C_6H_5BF_4$ solution, c) modified for 25 min in ACN + 0.1 M NBu_4BF_4 + 10 mM $N_2C_6H_4NO_2BF_4$ solution. Scan rate = 0.2 V s^{-1}.