

Supplementary Data

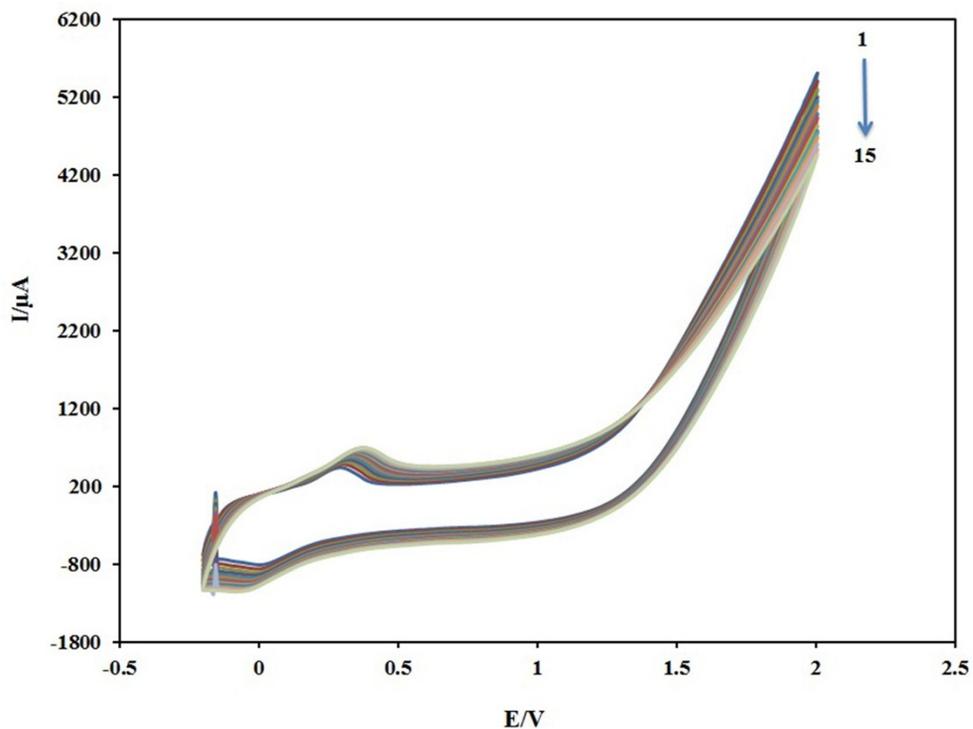


Fig.S1. Cyclic voltammograms of the electro-polymerization of Aspartic acid on TOHS/MWCNTs/CPE surface in 0.1 M PBS (pH 7.0) containing 0.05 M Aspartic acid in the potential range of -0.2 to 2.0 V at $100 \text{ mV}\cdot\text{s}^{-1}$ for 15 cycles.

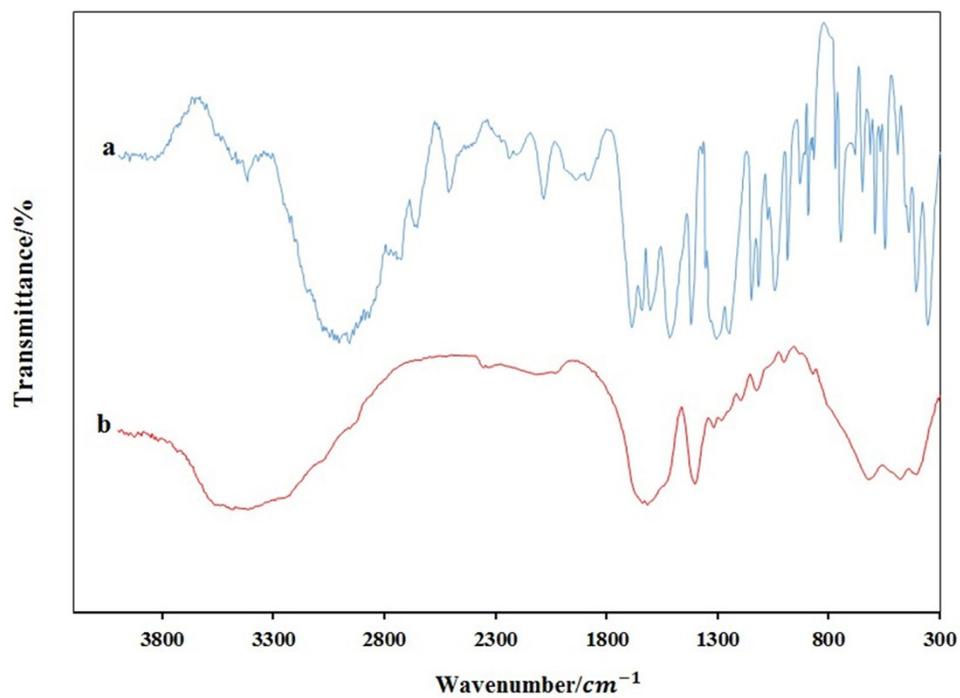


Fig. S2. The FTIR spectra of aspartic acid (a) and P-ASP film (b).

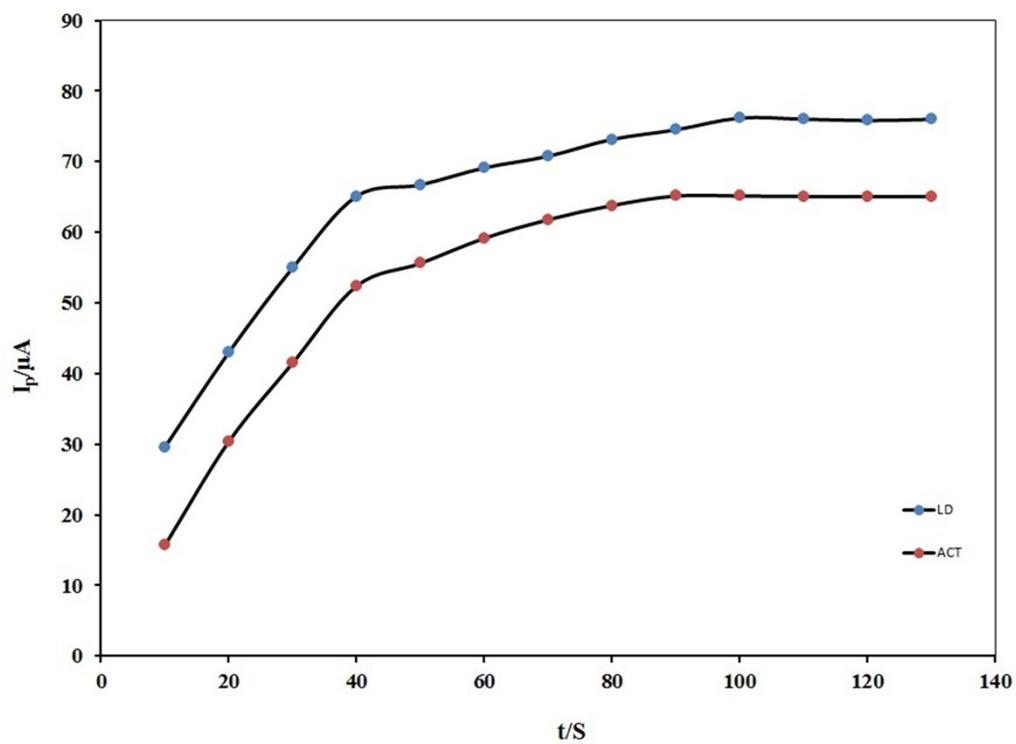


Fig.S3. The variations of differential pulse anodic peak currents of 150 μM of LD and 50 μM of ACT with respect to accumulation time.

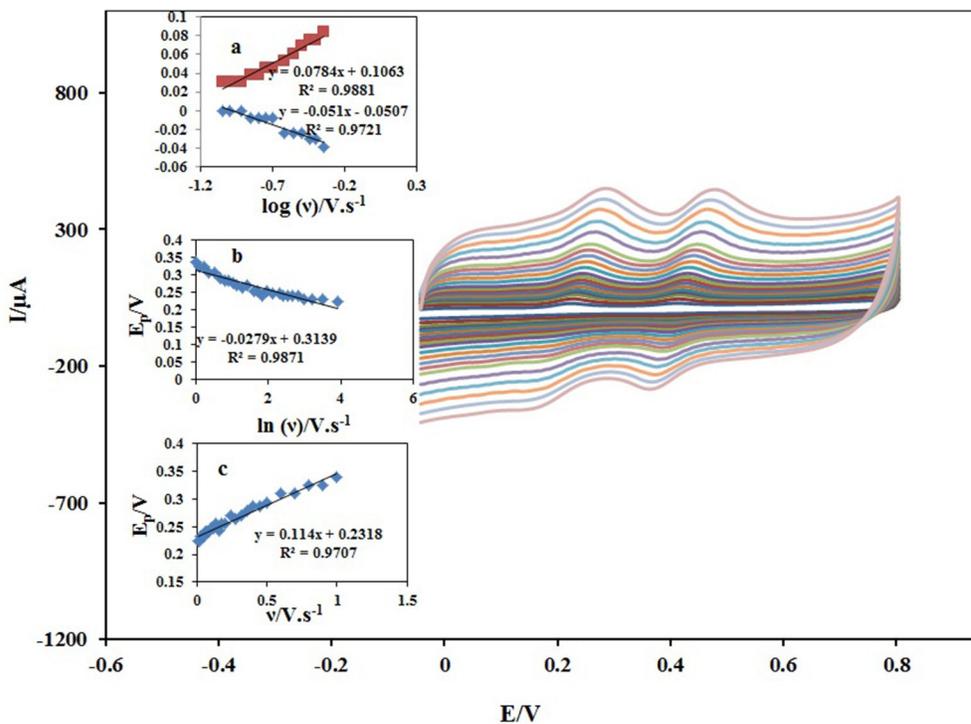


Fig.S4. Cyclic voltammograms 100 μM LD and 50 μM ACT at different scan rates (from inner to outer) 0.01, 0.02, 0.03, 0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.1, 0.12, 0.14, 0.16, 0.18, 0.2, 0.24, 0.28, 0.32, 0.36, 0.4 $\text{V}\cdot\text{s}^{-1}$. Insets: (a) peak separations (ΔE_p) for ACT as a function of $\log(v)$, (b) peak potential for LD as a function of $\ln(v)$ and (c) peak potential for LD as a function of $\ln(v)$.