Electronic Supplementary Information

## Forensic Electrochemistry: Sensing the Molecule of Murder Atropine

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## ESI 1

Cyclic voltammograms obtained for the electrochemical oxidation of 1 mM atropin in a pH 10 buffer solution at an edge plane pyrolytic graphite electrode (solid line), a basal plane pyrolytic graphite electrode (dotted line), a polycrystalline gold macro electrode (dashed line) and a polycrystalline platinum macro electrode (dot-dash line). All scans vs. SCE at 100 mVs<sup>-1</sup>.



## ESI 2

A plot of peak potential,  $E_p$ , as a function of pH for the oxidation of 1 mM atropine using an edge plane pyrolytic graphite electrode.



## ESI 3

Typical cyclic voltammetric responses recorded at a screen printed graphite electrochemical sensing platform in a pH 10 buffer solution containing 250  $\mu$ M atropine and a range (50 – 500  $\mu$ M) of ascorbic acid (A) and caffeine (B). All scans vs. SCE at 50 mVs<sup>-1</sup>.

