# Supporting Information

# Mechanistic Insights into the Electrochemical Oxidation of Chlorpromazine: Beyond the Phenothiazine Core

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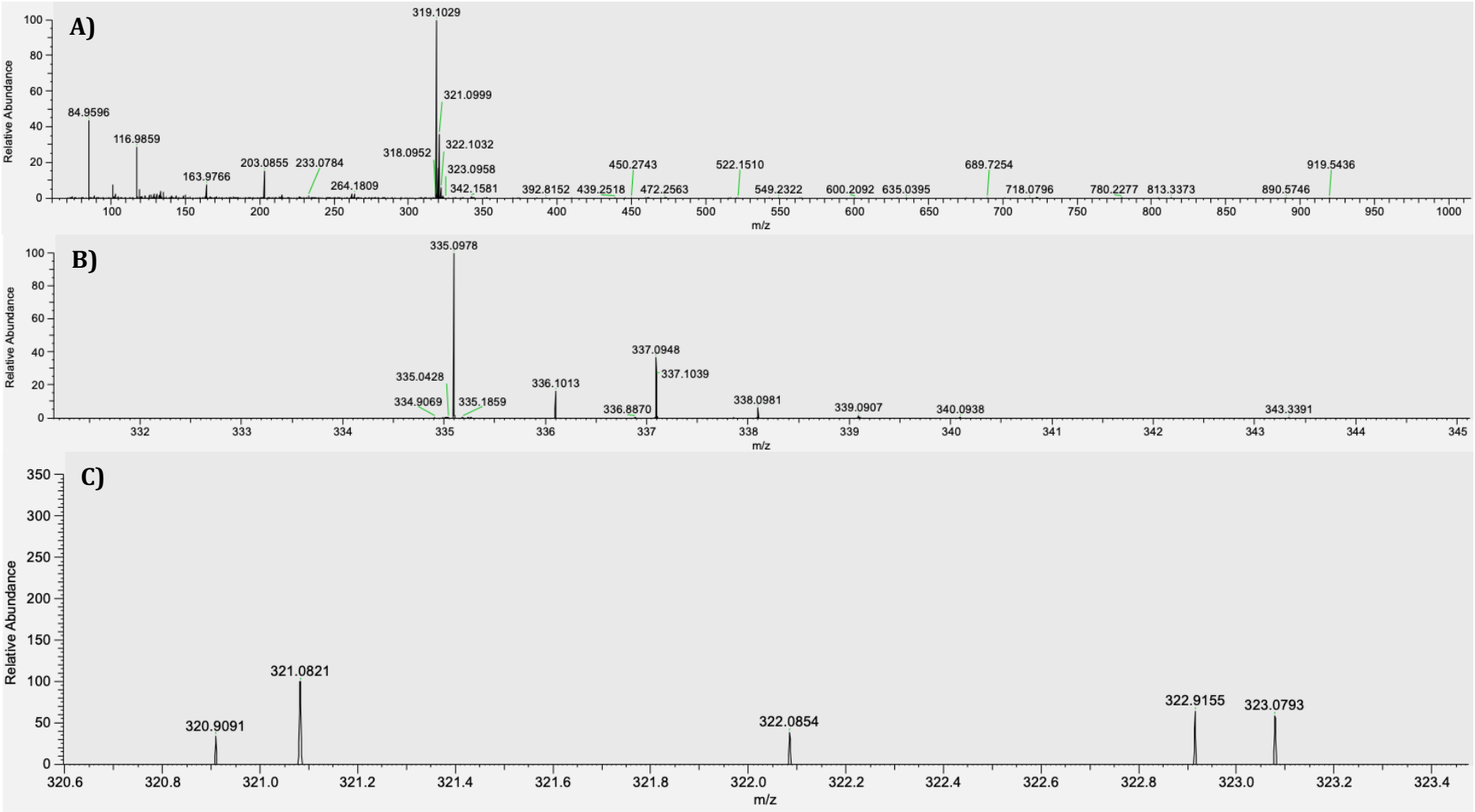



**Figure S1**. LC-MS/MS analysis of oxidation products from CPZ before and after BE. **A)** Mass spectrum of the starting CPZ material; **B)** Enlarged view highlighting the molecular ion ($M^+$) peak at 335.0978 m/z, corresponding to chlorpromazine sulfoxide (CPZS=O); **C)** Enlarged view showing the $M^+$ peak at 321.0821 m/z, corresponding to nor-chlorpromazine sulfoxide (nor-CPZS=O).