

## *Supporting Information for*

# “Electrooxidation of rhodamine B hydrazide”

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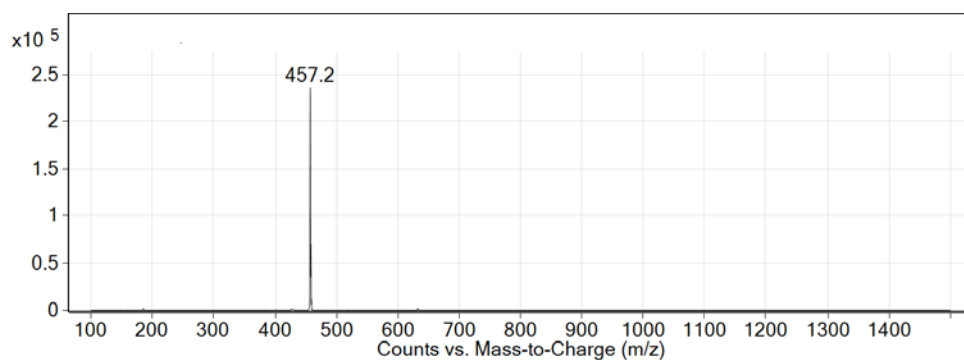
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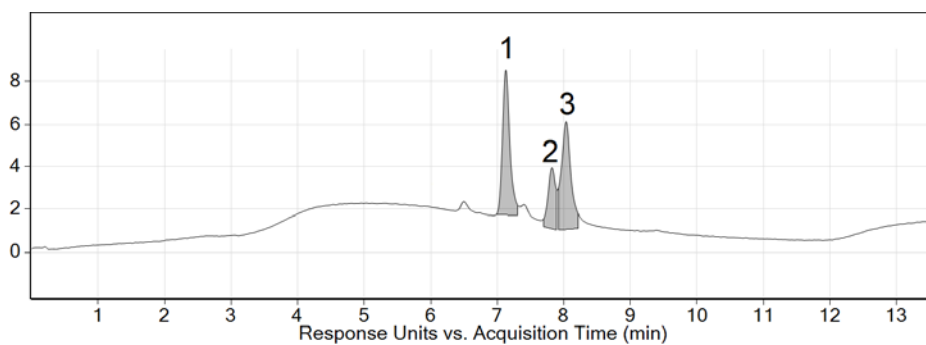
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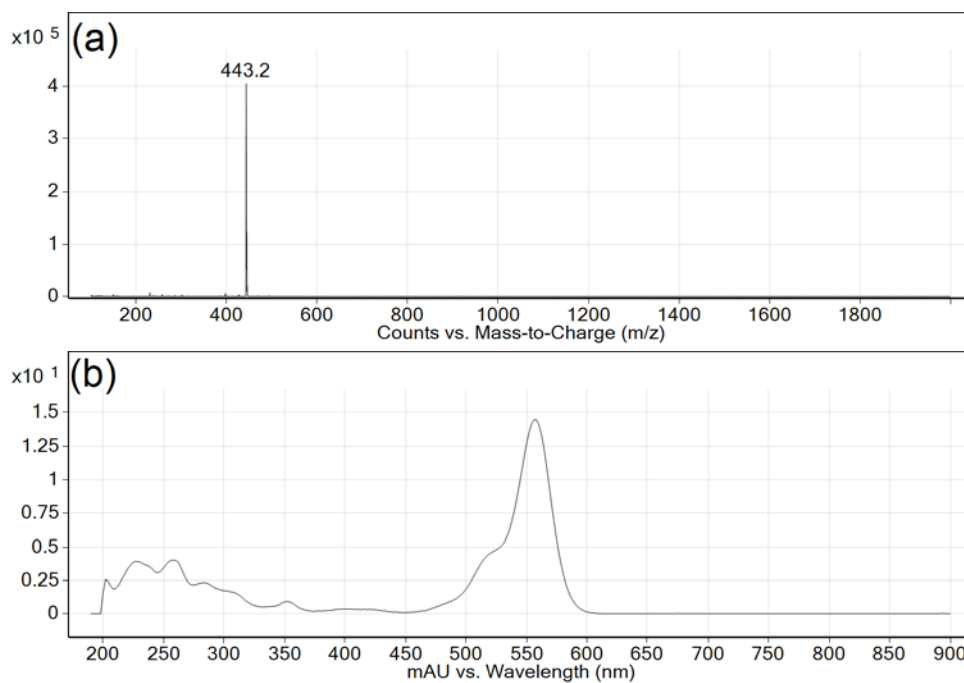
The Supporting Information contains additional LC/MS data. Figure S1 shows the mass spectrum for as-synthesized rhodamine B hydrazide (RBH). Figure S2 presents the chromatogram obtained after the electrooxidation of RBH. Figures S3–S5 demonstrate the absorption and mass spectra for the electrooxidation products of RBH: rhodamine B (compound **1**), a phenanthrenone derivative (compound **2**), and a phtalazinone derivative (compound **3**).



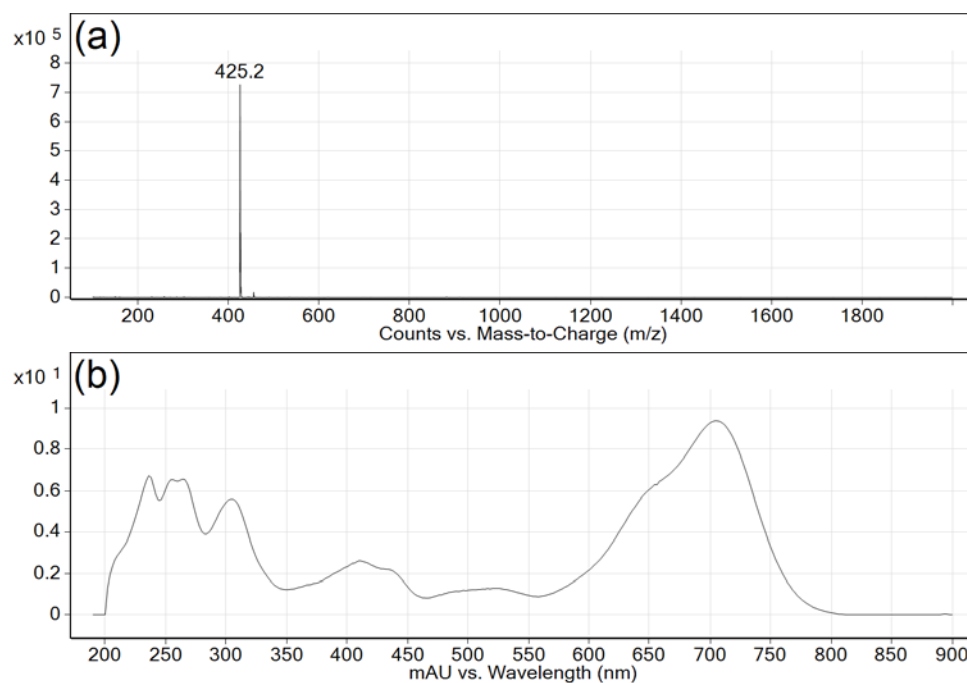
**Figure S1.** Mass spectrum for as-synthesized RBH.



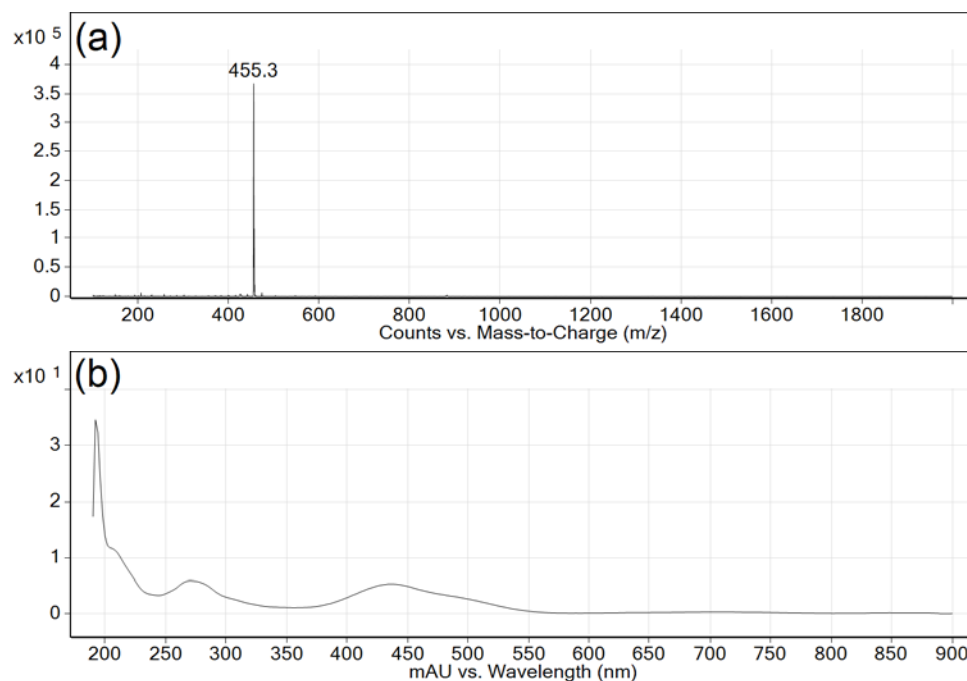
**Figure S2.** Chromatogram for a 0.2 mM solution of RBH in the supporting electrolyte (0.1 M LiClO<sub>4</sub> in acetonitrile) after electrolysis at 0.9 V (vs. SCE) for 60 min. The chromatogram was recorded at 510 nm.



**Figure S3.** Mass spectrum (a) and UV-Vis absorption spectrum (b) for peak 1 in the chromatogram of Figure S3. This peak is assigned to compound 1 (rhodamine B).



**Figure S4.** Mass spectrum (a) and UV-Vis absorption spectrum (b) for peak **2** in the chromatogram of Figure S3. This peak is assigned to compound **2** (a phenanthrenone derivative).



**Figure S5.** Mass spectrum (a) and UV-Vis absorption spectrum (b) for peak **3** in the chromatogram of Figure S3. This peak is assigned to compound **3** (a phthalazinone derivative).