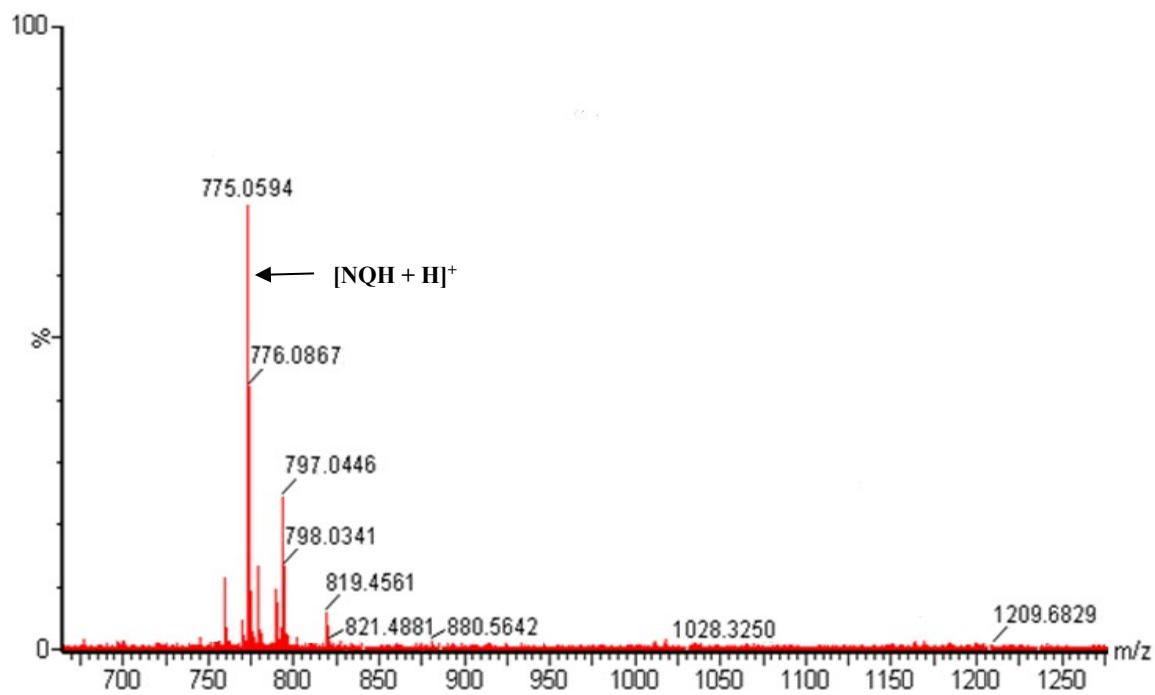
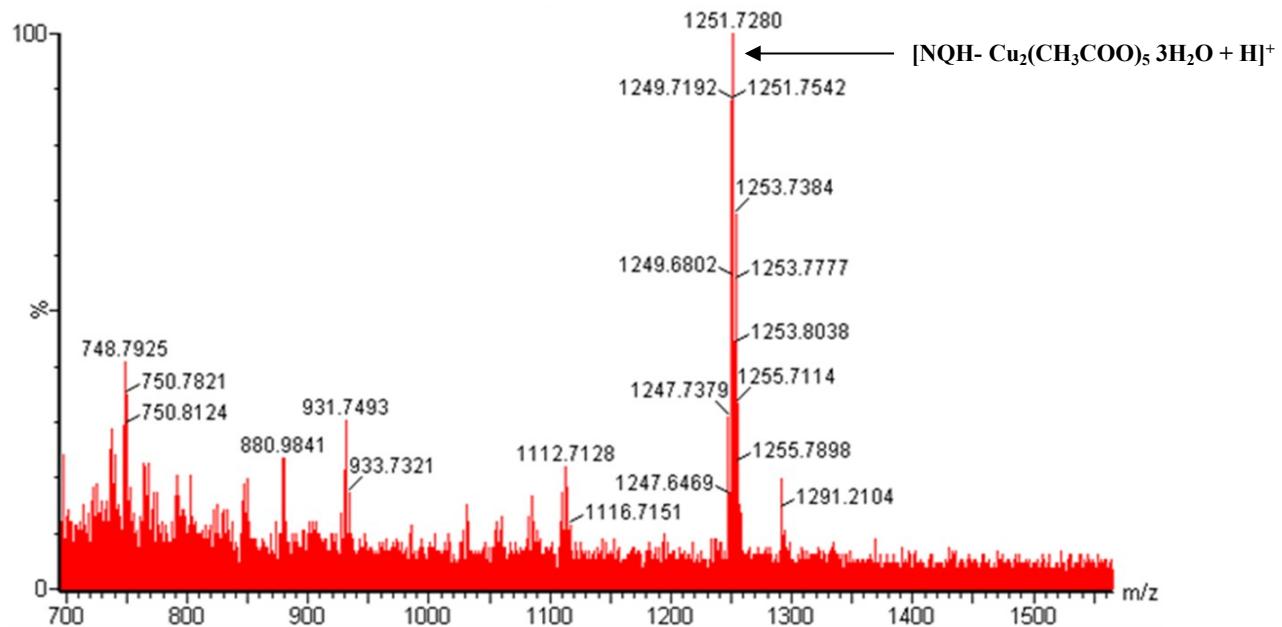


**Fig. S1.** (a) Mass spectrum of NQH and NQH-Cu<sup>2+</sup>.

**Fig. S2.** The EIS response of NQH in presence of different metal ions.



(a)



(b)

**Figure S1**

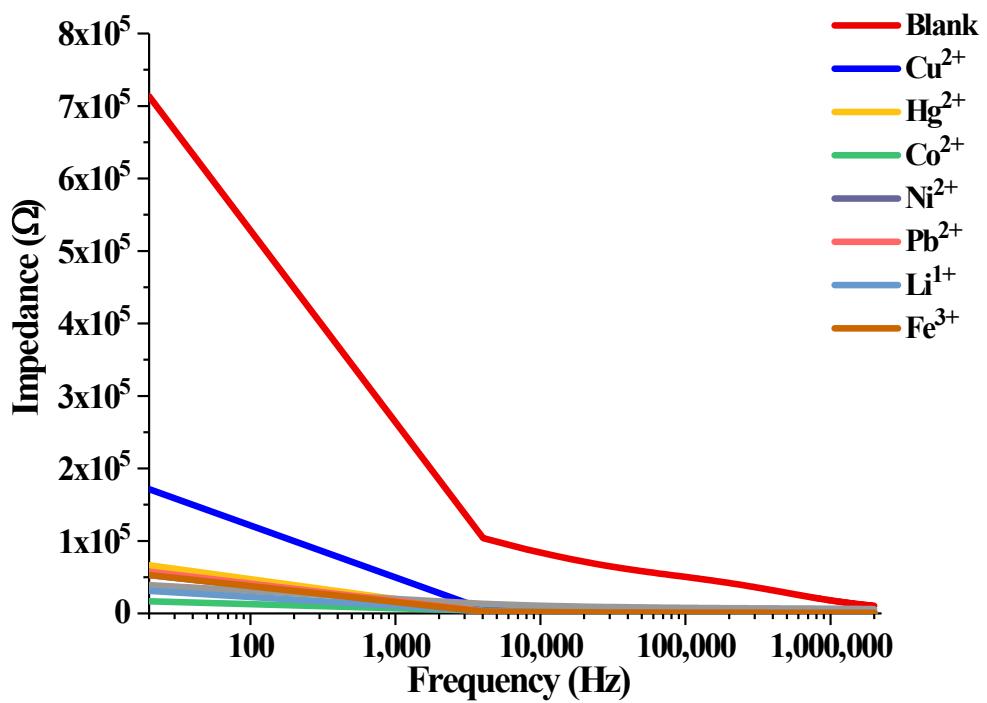


Figure S2