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Electronic Supplementary Information

for

Sulfonated Schiff base dinuclear and polymeric copper(II) complexes: crystal structures, magnetic properties and catalytic application in Henry reaction

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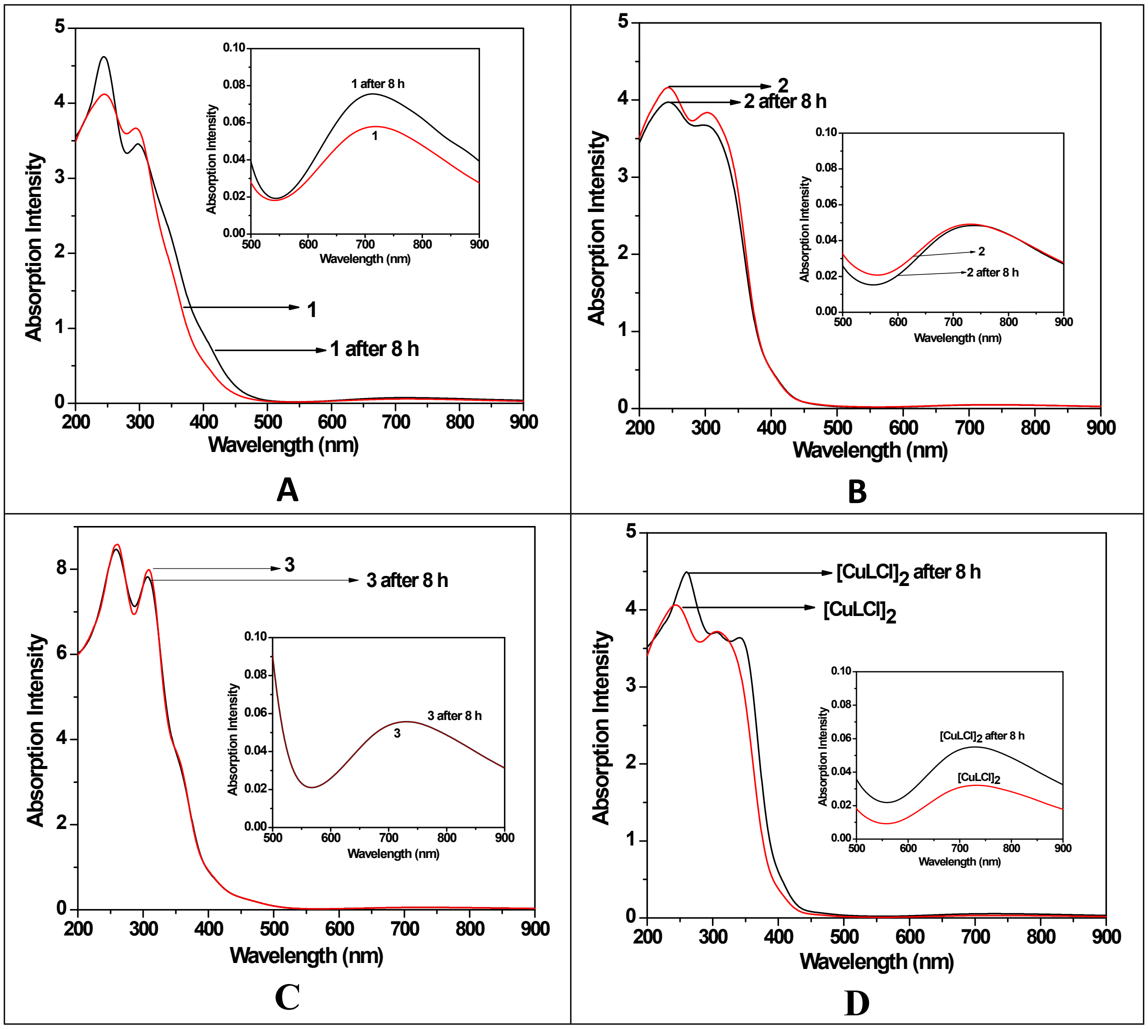

Fig. S1. UV-vis spectra (200–900 nm) of **1**–**3** and $[CuLCl]_2$ in aqueous solution at room temperature. Red and black lines indicate the spectra obtained at the beginning and after 8 h of the solution preparation, respectively. Graphs **A**, **B**, **C** and **D** are for **1**, **2**, **3** and $[CuLCl]_2$, respectively. Inset graphs concern the visible spectral range.

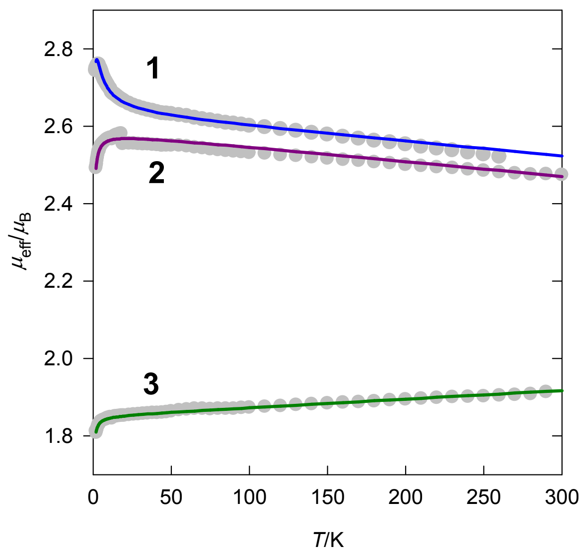

Fig. S2. Experimental (circles) and calculated (lines) magnetic susceptibility data converted to the effective magnetic moment for **1**, **2** and **3**.

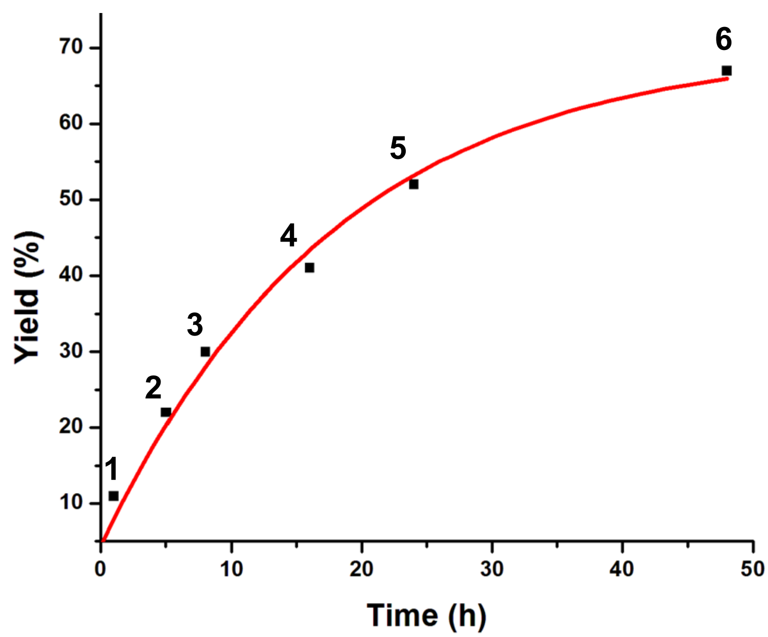

Fig. S3. Plot of β-nitroalkanol yield *vs.* time for the Henry reaction of benzaldehyde and nitroethane with **3** (points 1–6 concern the corresponding entries in Table 2).

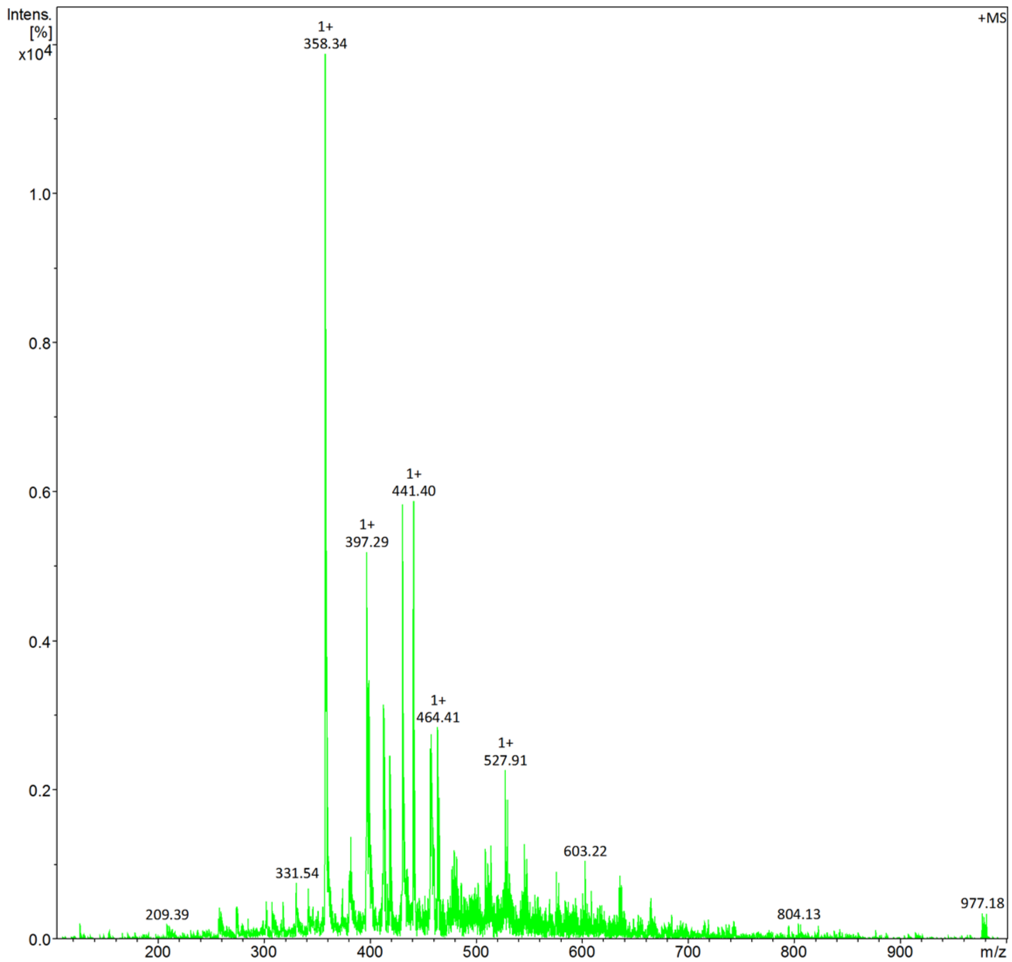

Fig. S4. ESI-MS spectrum of complex **1** in aqueous solution.

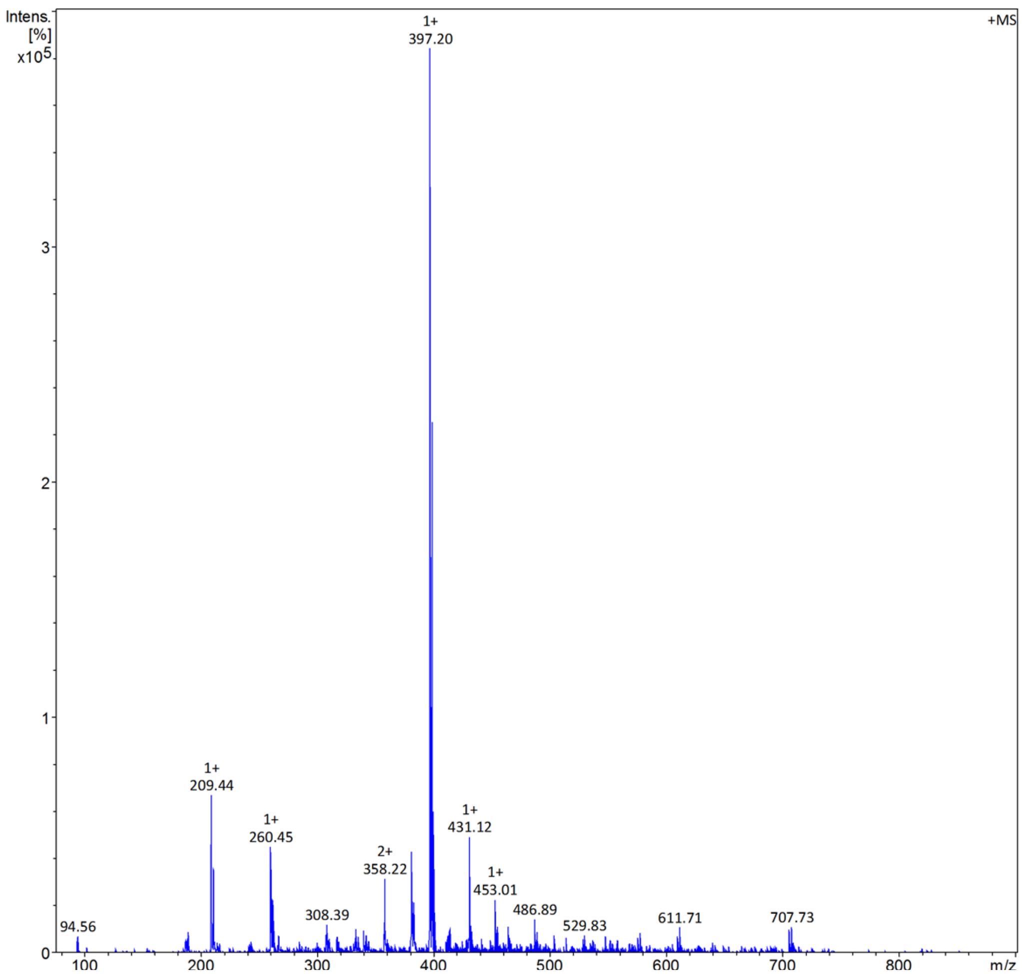

Fig. S5. ESI-MS spectrum of complex **2** in aqueous solution.

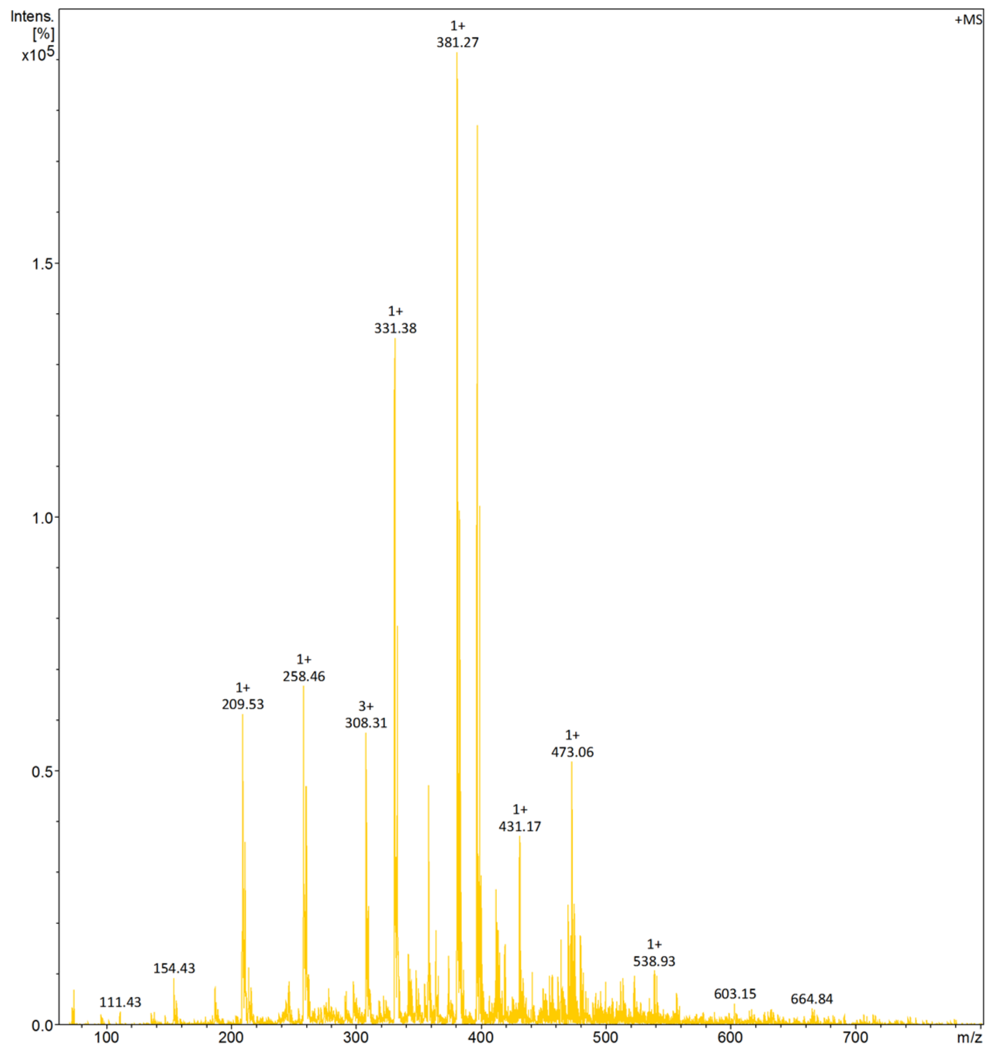

Fig. S6. ESI-MS spectrum of complex **3** in aqueous solution.

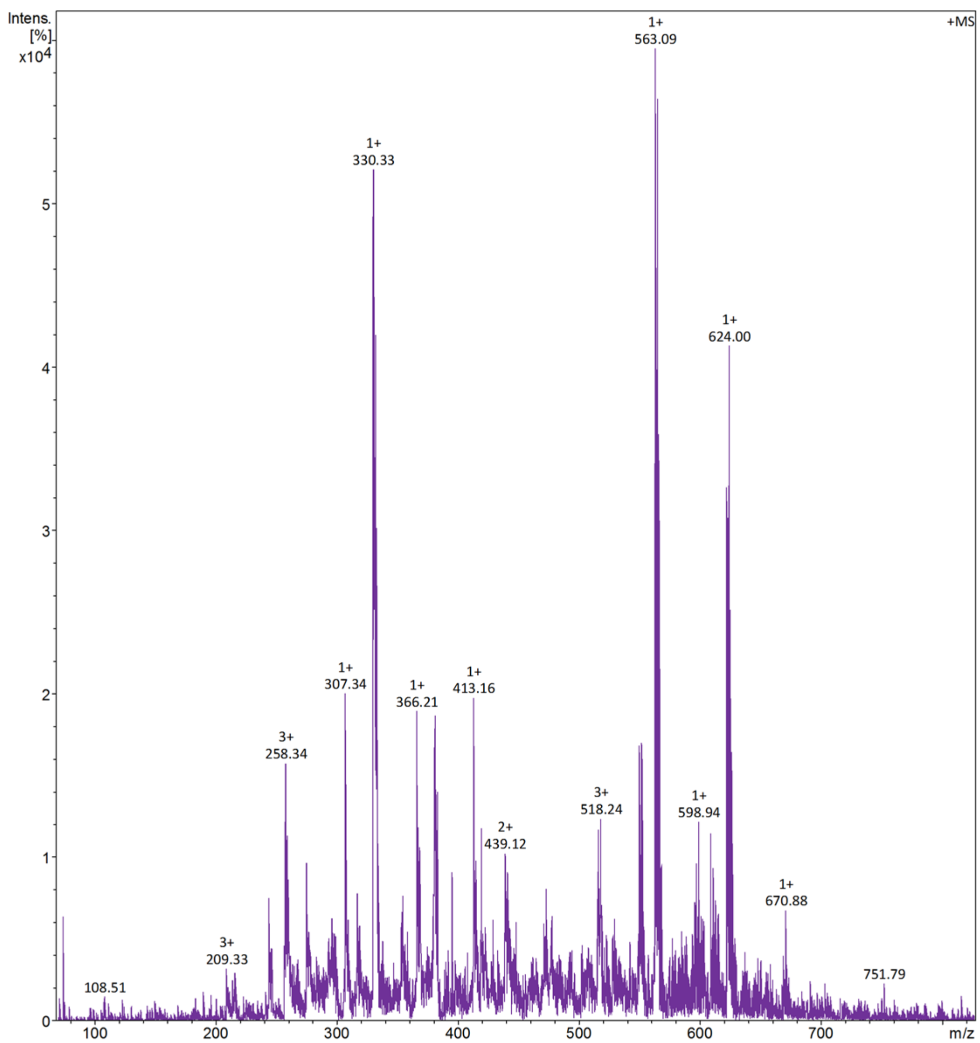

Fig. S7. ESI-MS spectrum of complex **1** in catalytic reaction solution.

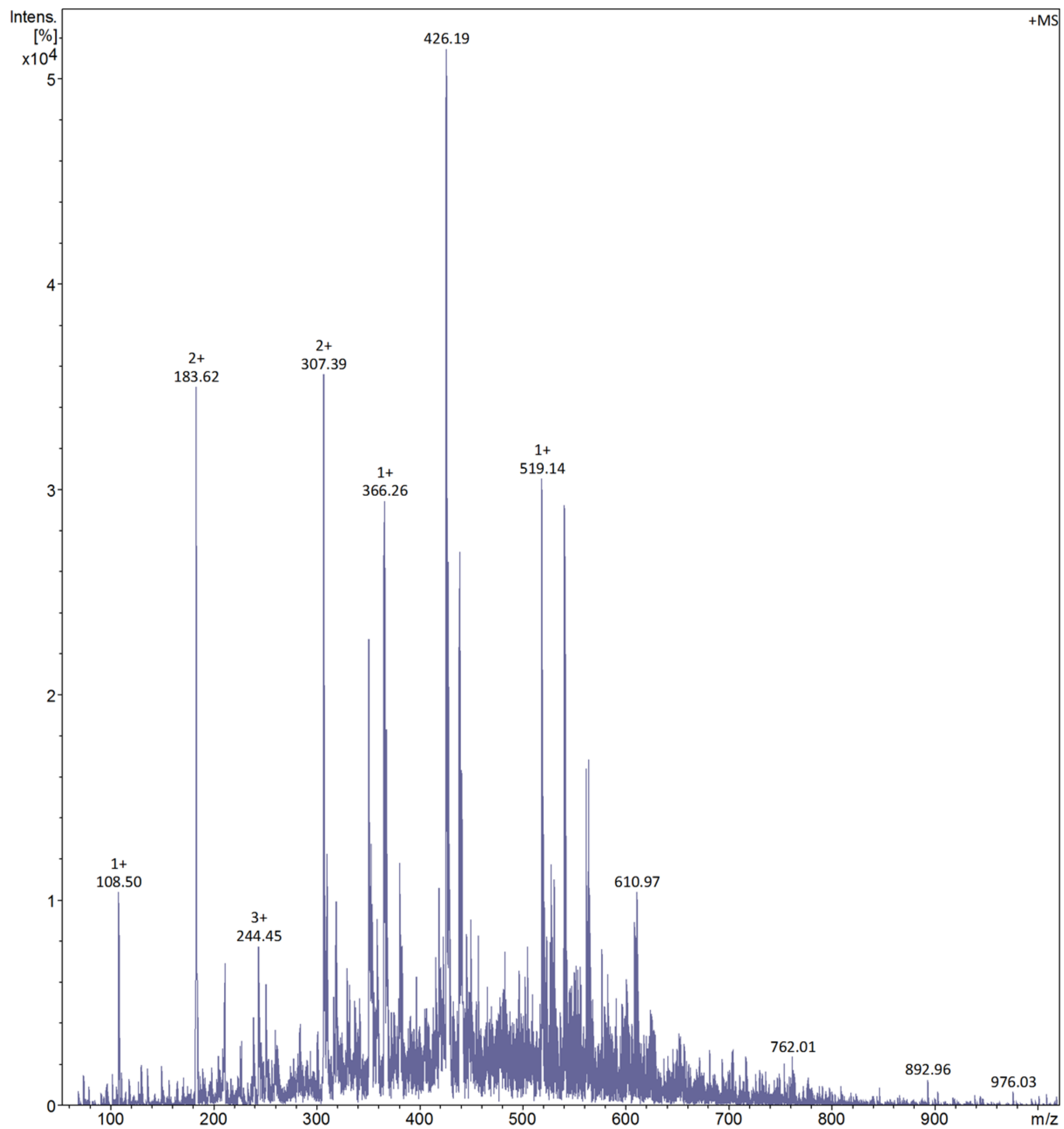

Fig. S8. ESI-MS spectrum of complex **2** in catalytic reaction solution.

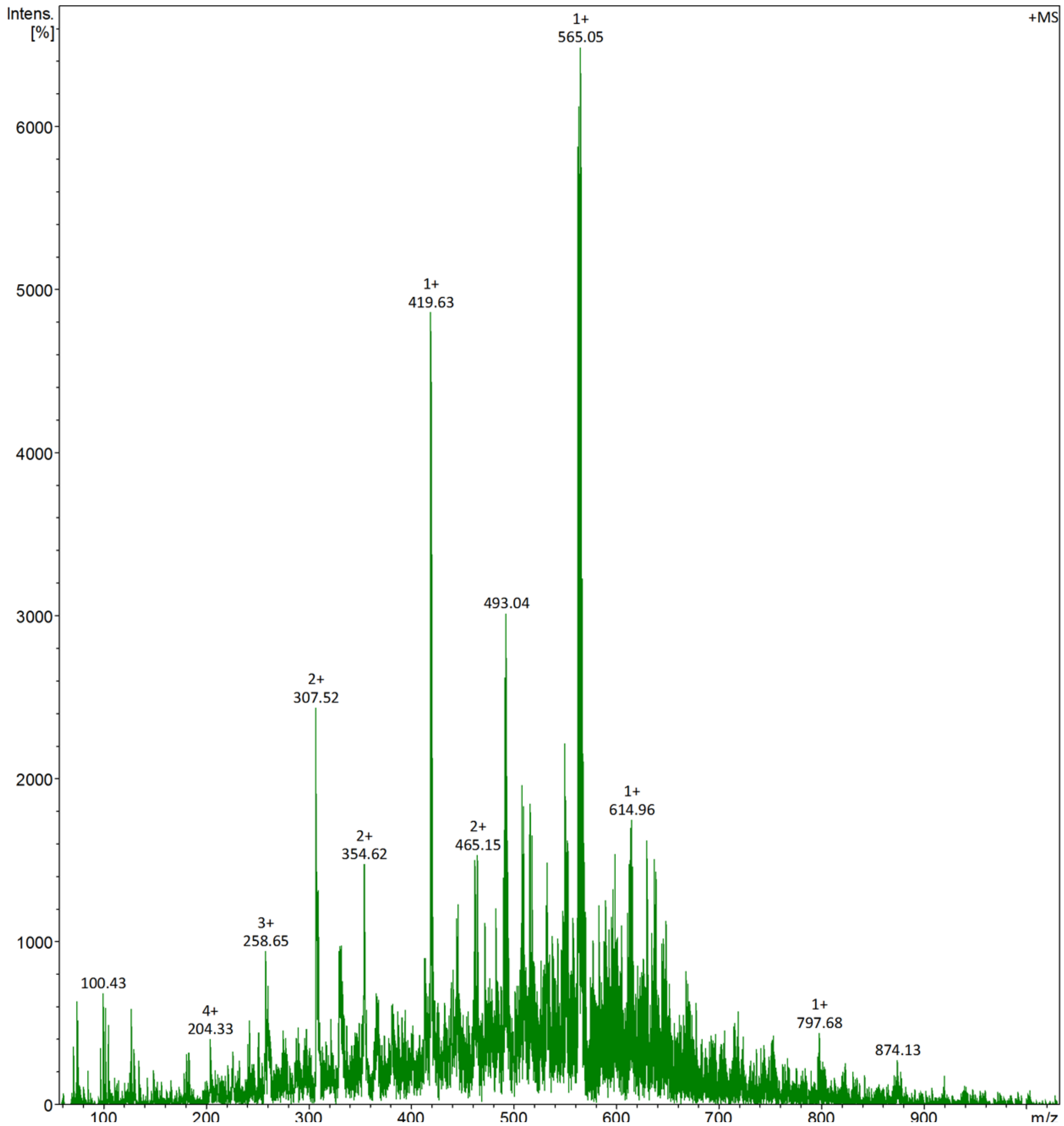

Fig. S9. ESI-MS spectrum of complex **3** in catalytic reaction solution.