

## **Supporting Information**

**For**

### **Electronic Excitations at the Metal-Bioorganic interface illustrated on Histidine-Silver Hybrids**

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Fig. S1. UVPD Spectra at 270 nm of [His+Ag]<sup>+</sup>, [His+Ag<sub>3</sub>]<sup>+</sup>, [His+3Ag-2H]<sup>-</sup> and [His+Ag-2H]<sup>-</sup>

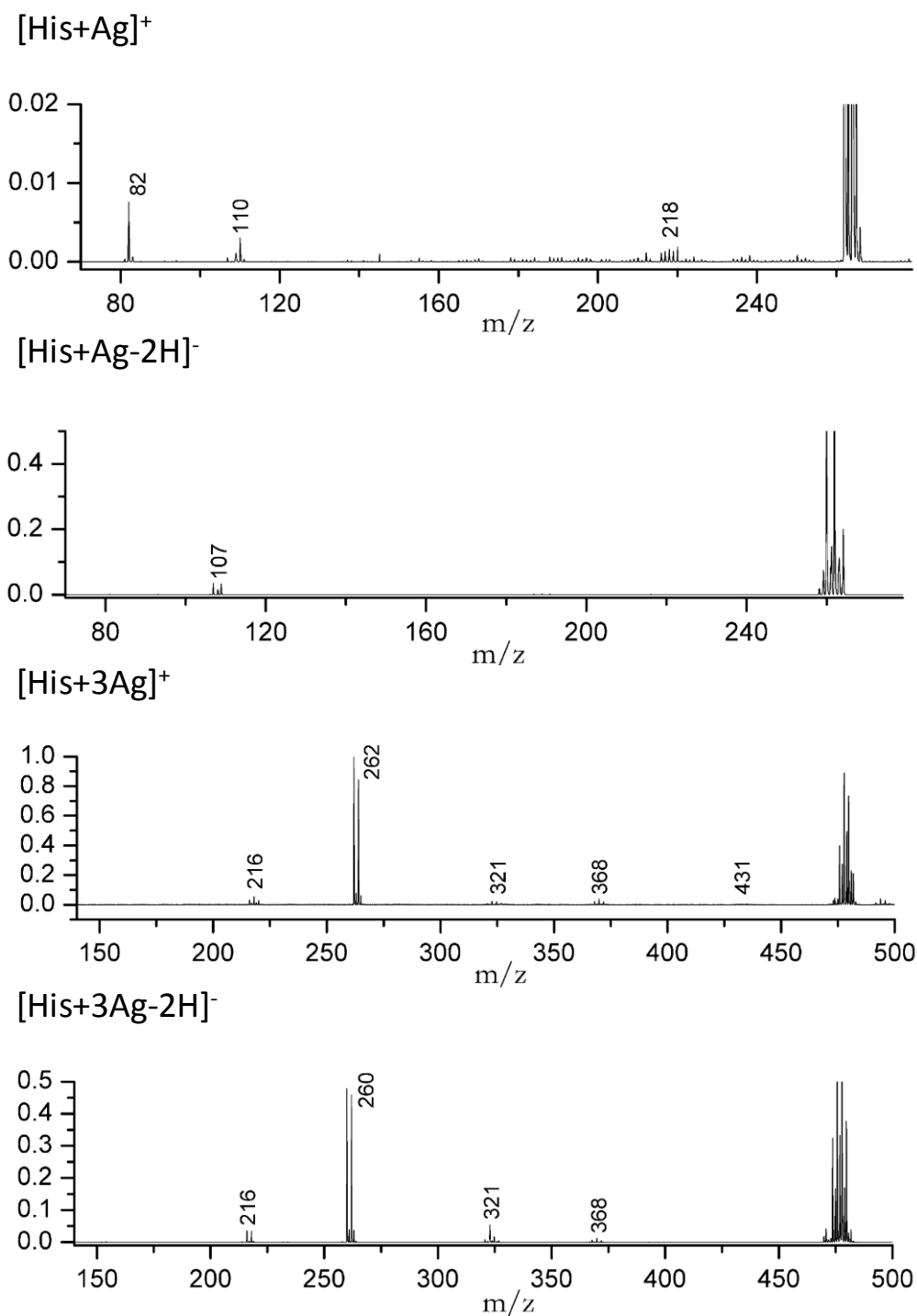


Fig S2. Isomers for [His+H]<sup>+</sup>

[Histidine+H]<sup>+</sup>

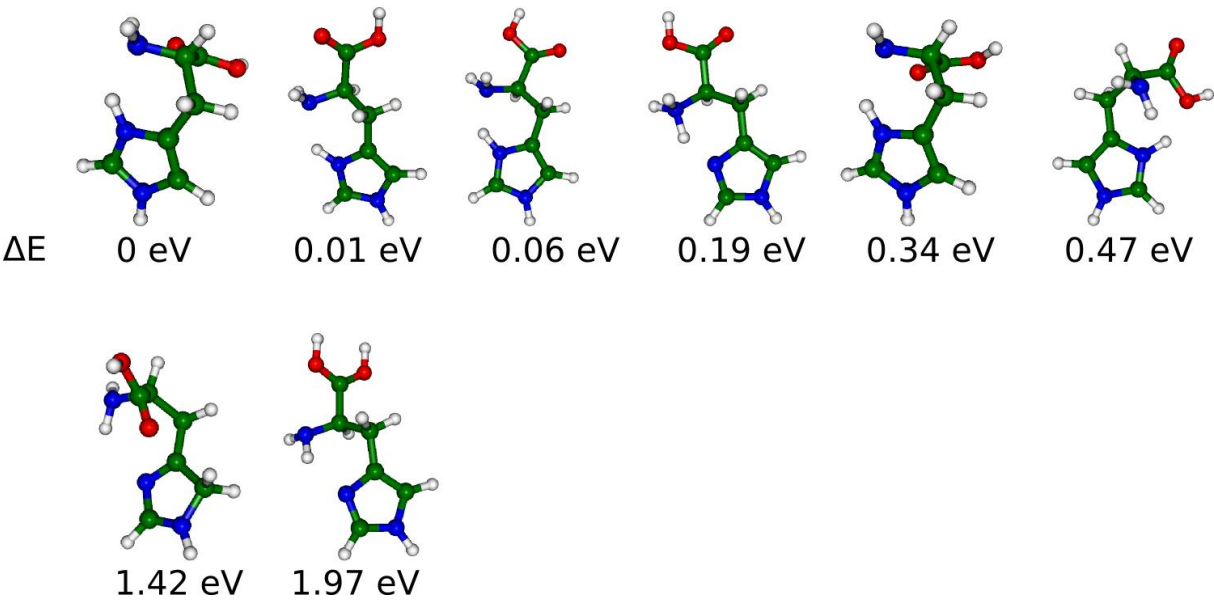
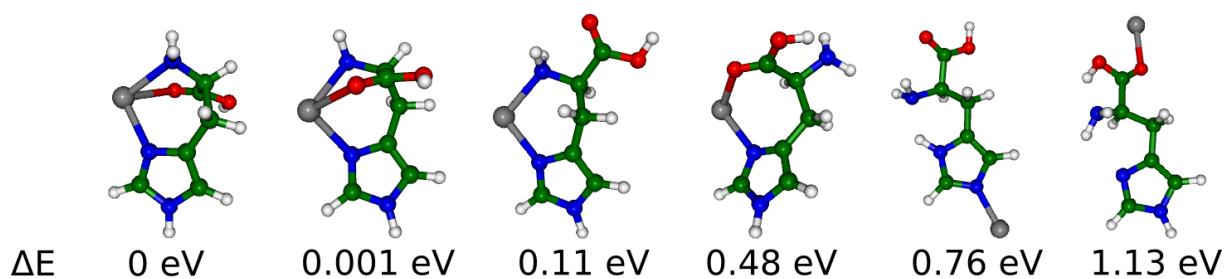


Fig S3. Isomers for  $[\text{His}+\text{Ag}]^+$  and  $[\text{His}+\text{Ag}-2\text{H}]^-$

$[\text{Histidine}+\text{Ag}]^+$



$[\text{Histidine}+\text{Ag}-2\text{H}]^-$

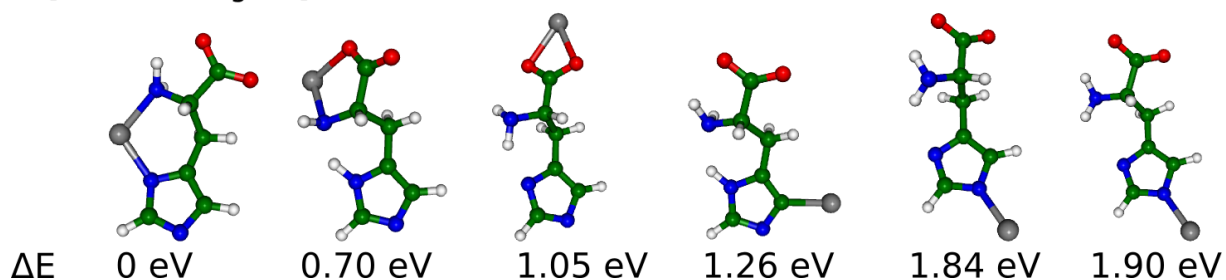
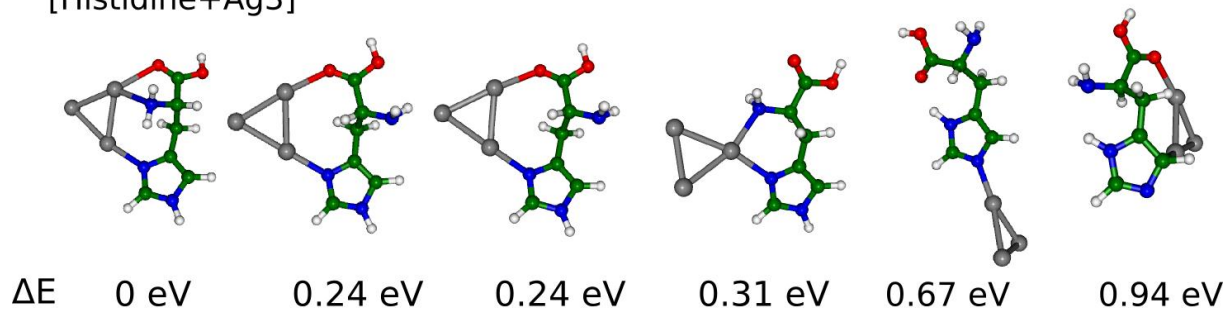


Fig S4. Isomers for  $[\text{His}+\text{Ag}_3]^+$  and  $[\text{His}+\text{Ag}_3-2\text{H}]^-$

$[\text{Histidine}+\text{Ag}_3]^+$



$[\text{Histidine}+\text{Ag}_3-2\text{H}]^-$

