Electronic Supplementary Material (ESI) for Physical Chemistry Chemical Physics.

Supplementary Information

Cryogenic IR and UV spectroscopy of isomer-selected cytosine radical cation

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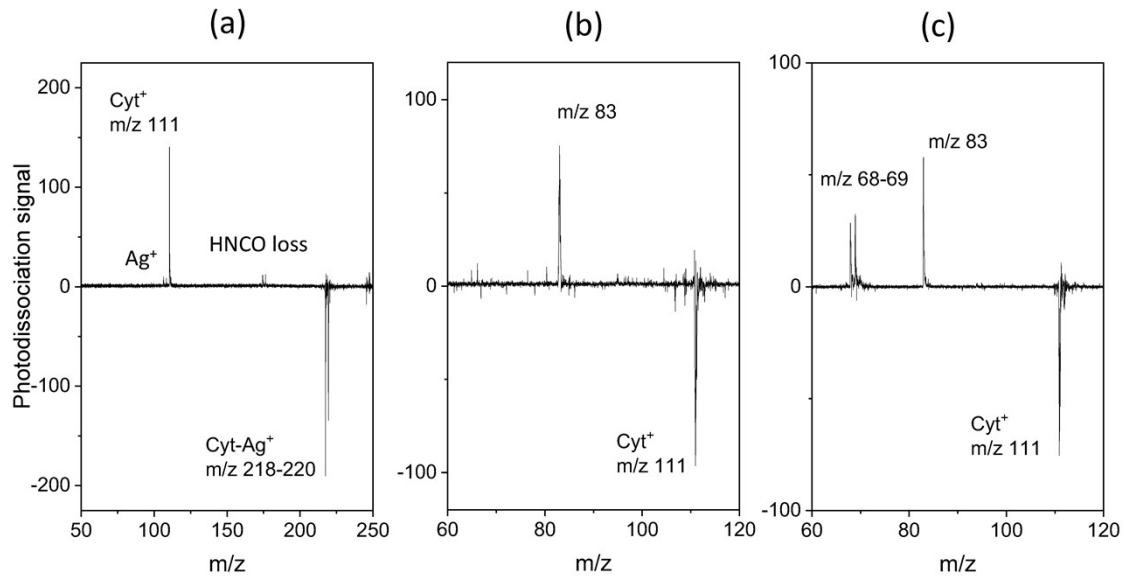
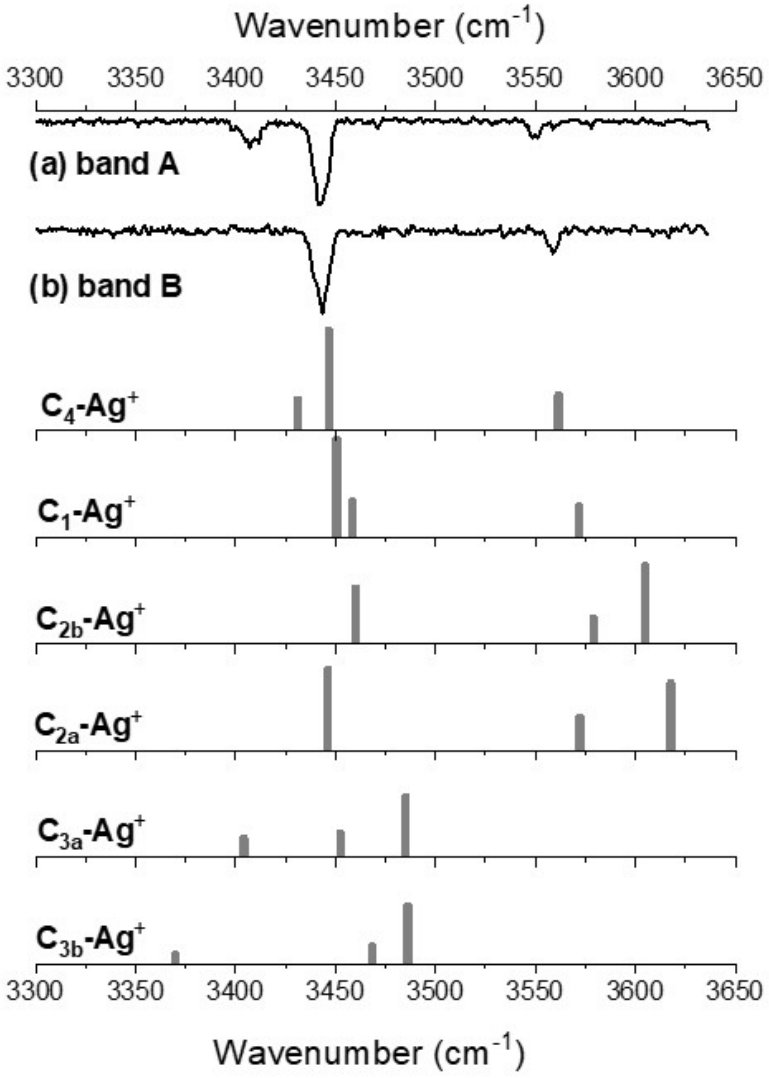


Fig SI1 Difference photodissociation mass spectra (laser on – laser off) of (a) Cyt-Ag$^+$ band A, (b) C$^+$ at 2.2 eV and (c) C$^+$ at 2.97 eV



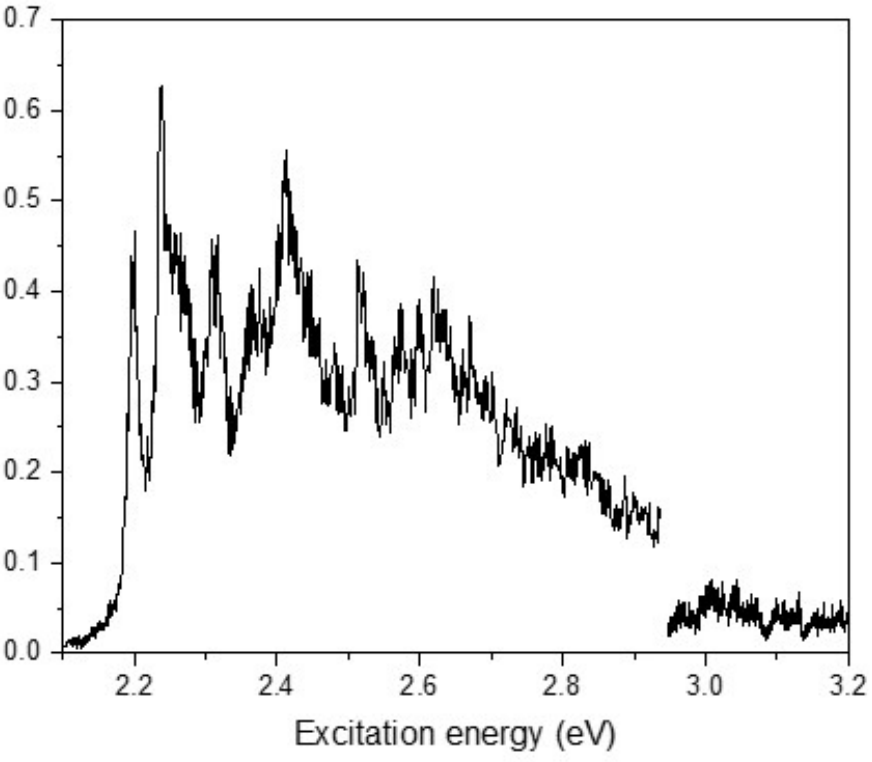


Fig. SI2
Comparison between the experimental and calculated IR spectra of C-Ag^+.

Fig. SI3 Photodissociation spectrum of C_4 over the full spectral range. The discontinuity at 2.95 eV is due to the different outputs of the OPA laser that changes at 420 nm (UV from 210 nm to 420 nm, about 50μJ/pulse, visible from 420 nm to 760 nm, about 500 μJ/pulse).