

## Electronic Supplementary Information

### **Evidence for quantum effects in predissociation of methylamine isotopologues**

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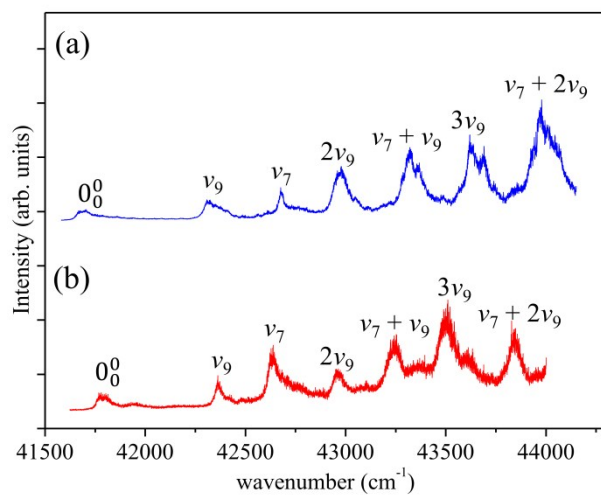


Fig. S1. Jet-cooled H photofragment action spectra obtained in predissociation of (a) methylamine and (b) methylamine- $d_3$ , taken from Refs. 24 and 25, respectively. The assignment of the observed bands is based on Ref. 14.

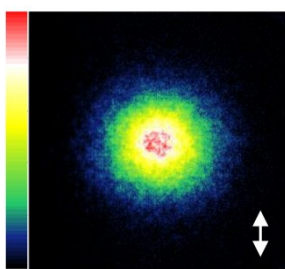


Fig. S2. Measured TCRD velocity map of the D photofragments, obtained from C–D bond breaking in methylamine- $d_3$ , following excitation to the  $0_0^0$  state.