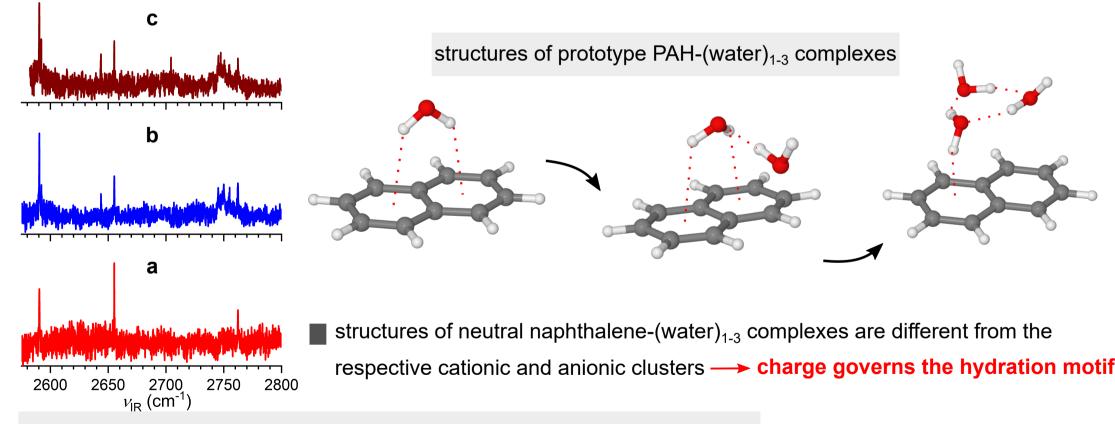
## P5572: Unravelling the Microsolvation Framework around Prototype Polycyclic

## Aromatic Hydrocarbon, Naphthalene, by High-Resolution Infrared Spectroscopy

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- polycyclic aromatic hydrocarbons (PAHs) are important in the context of astrochemistry
- vibrational spectroscopy of microsolvated, prototype PAH naphthalene (C<sub>10</sub>H<sub>8</sub>) in helium nanodroplets



IR spectra of naphthalene- $(D_2O)_{1-3}$  at monomer naphthalene partial pressure (a) monomer, (b) dimer, and (c) trimer  $D_2O$  partial pressure

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