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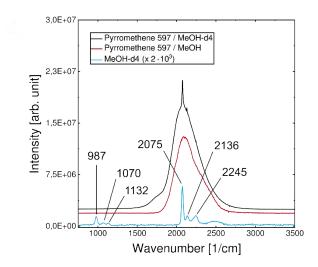
## **Supporting Information for**

## Stimulated Raman Scattering by Intracavity Mixing of Nanosecond Laser Excitation and Fluorescence in Acoustically Levitated Droplets

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*Figure S1:* Recorded vibrational spectra of methanol-d4, pyrromethene 597 in methanol, and pyrromethene 597 in methanol-d4.

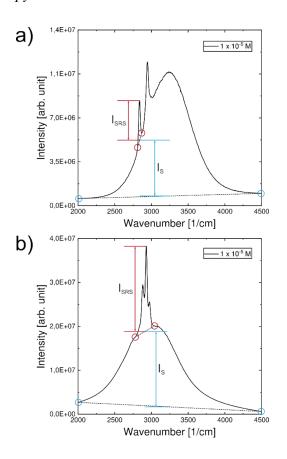


Figure S2: Procedure of data extraction and background correction.  $I_{SRS}$  was determined as the peak height of the spectral feature from the underlying background intensity derived from a linear fit between the visually determined onset points (circles). The same background intensity was used to determine  $I_S$ . For the background correction of the latter, again a linear fit of the baseline was performed.