Supporting Information:
Direct detection of condensed particulate polycyclic aromatic hydrocarbons on a molecular composition level at low pg m^{-3} mass concentrations via proton-transfer-reaction mass-spectrometry

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Supporting Figures

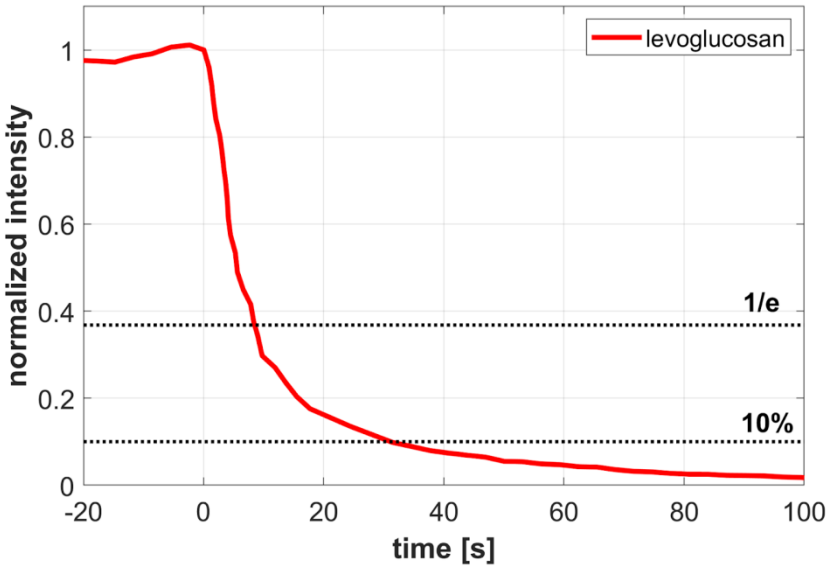


Figure S1: Response of the CHARON FUSION PTR-TOF 10k for atomized polydisperse levoglucosan particles. Levoglucosan mass concentrations were in the range of 0.5 µg m^{-3}. A constant concentration of levoglucosan particles was supplied for a few minutes prior to switching to CHARON HEPA mode to follow the signal decay. 1/e decay times equal to 8 s, a decay down to 10% equals to 34 s.

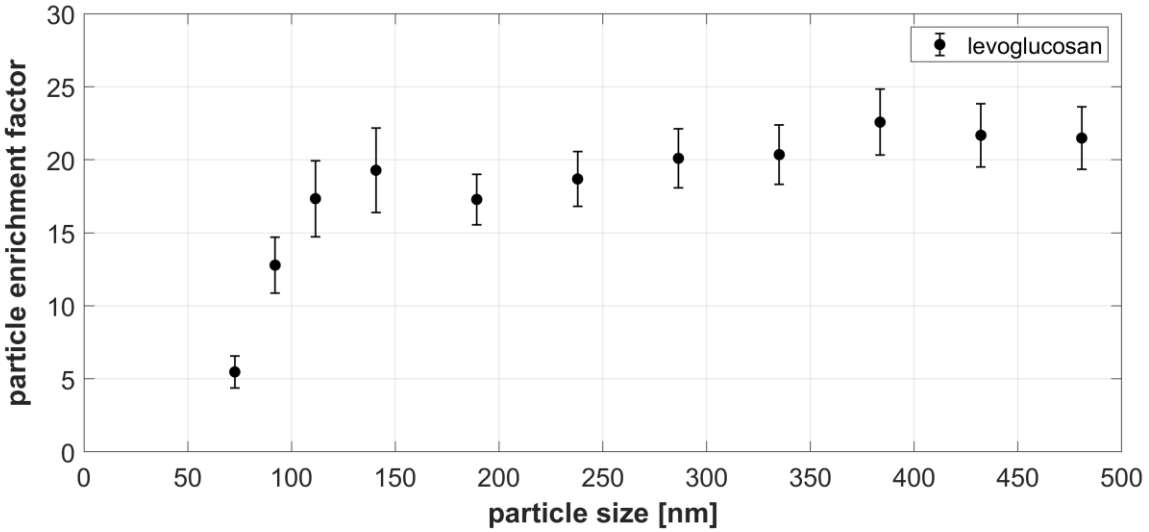
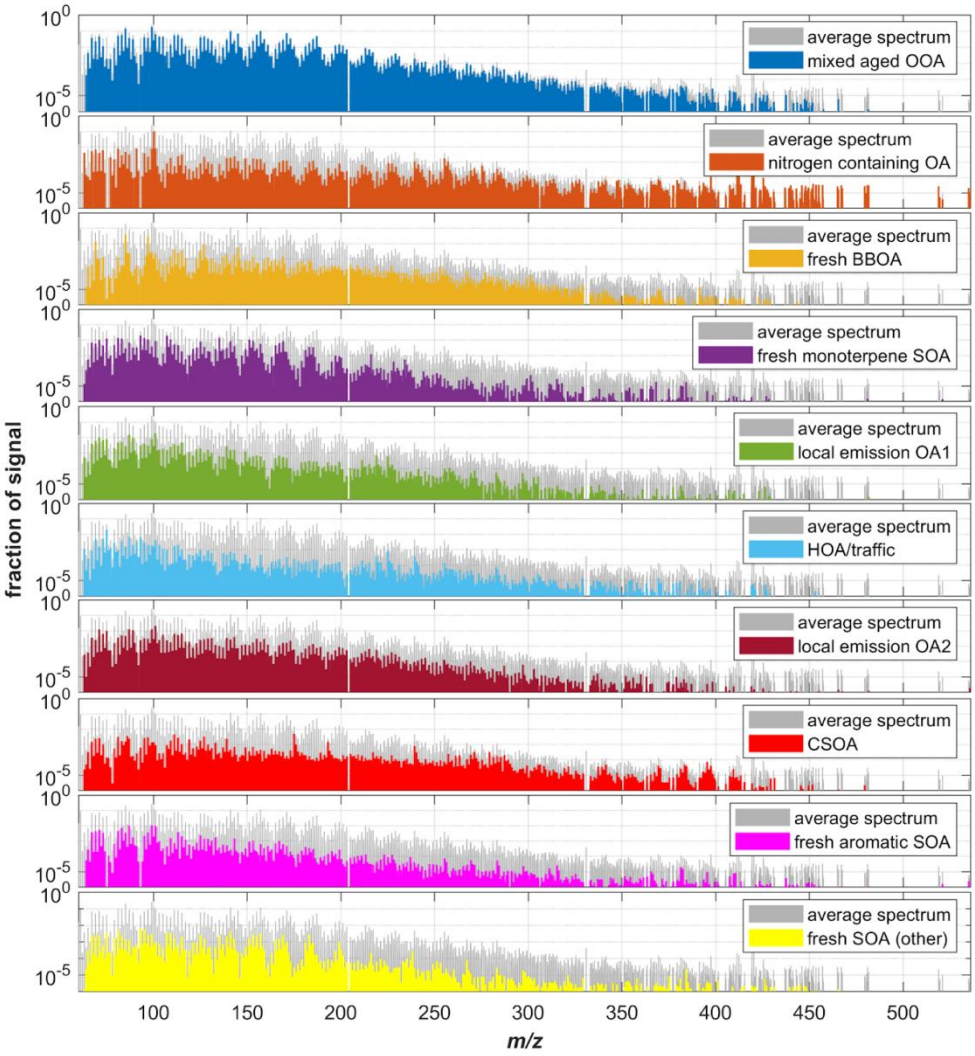
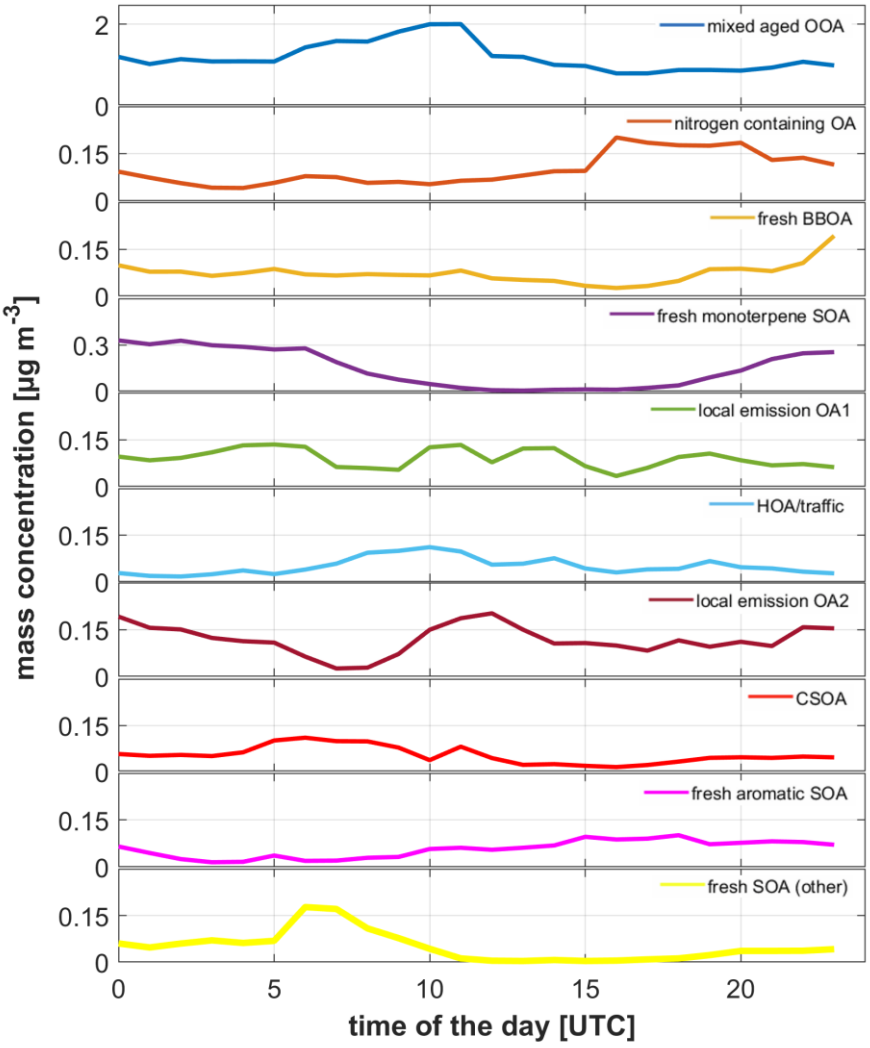


Figure S2: Particle size dependent enrichment factor of the CHARON particle inlet as measured for levoglucosan particles.



Figures S3: Mass spectra of all identified factors (in respective colors). Grey bars illustrate the average mass spectrum as recorded during the entire measurement period.



Figures S4: Diurnal variations of all identified factors.