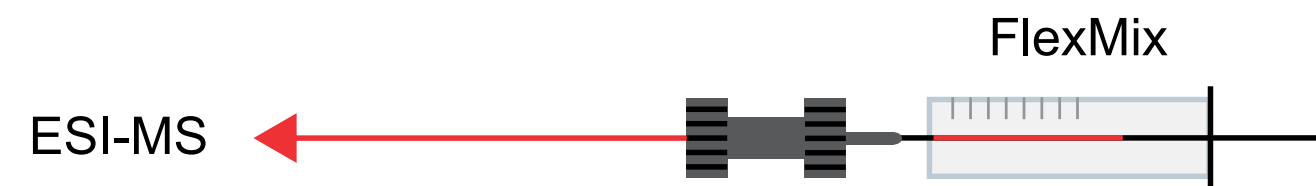
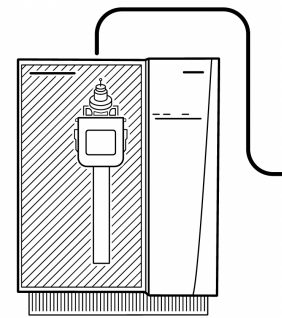


Procedure 1

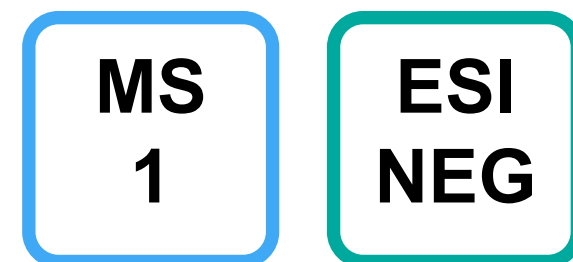
Direct infusion

Instrument setup

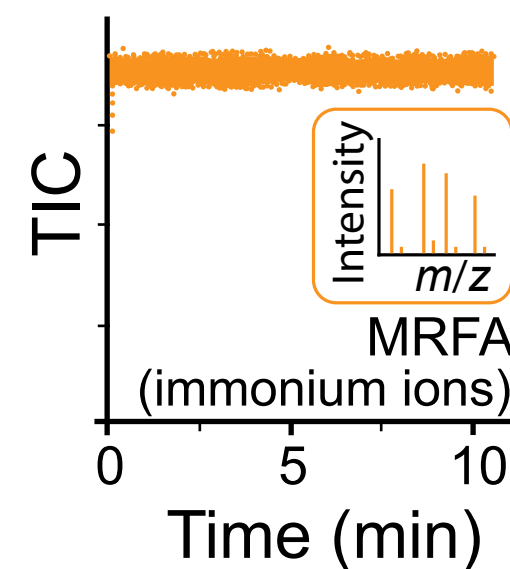
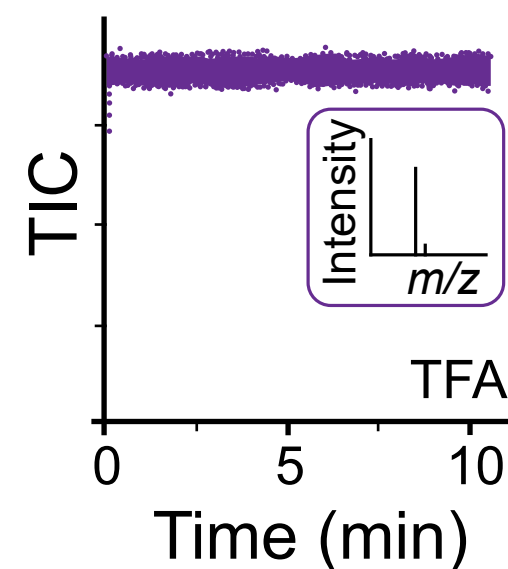
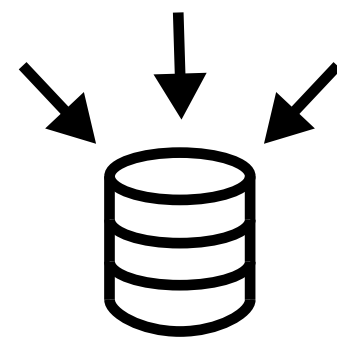


TFA

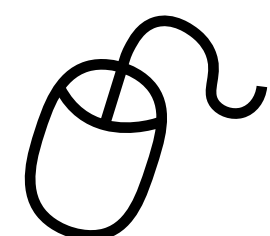
MRFA peptide



Data acquisition



Data analysis

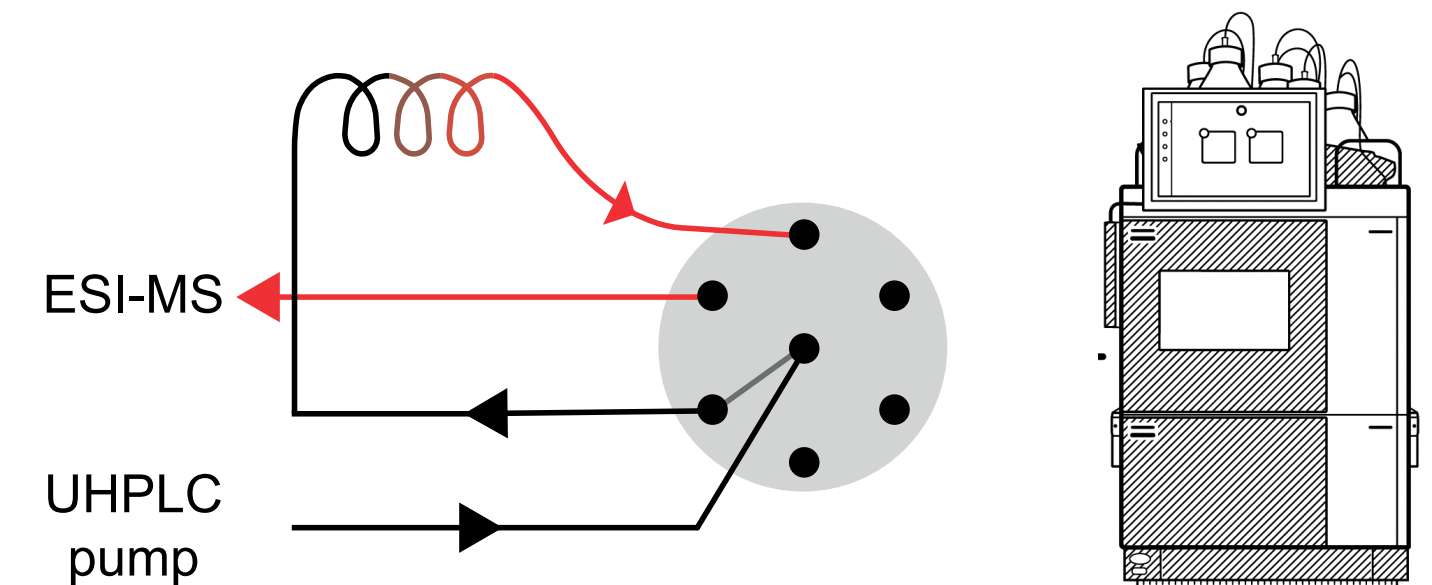


Assess basic IRMS performance

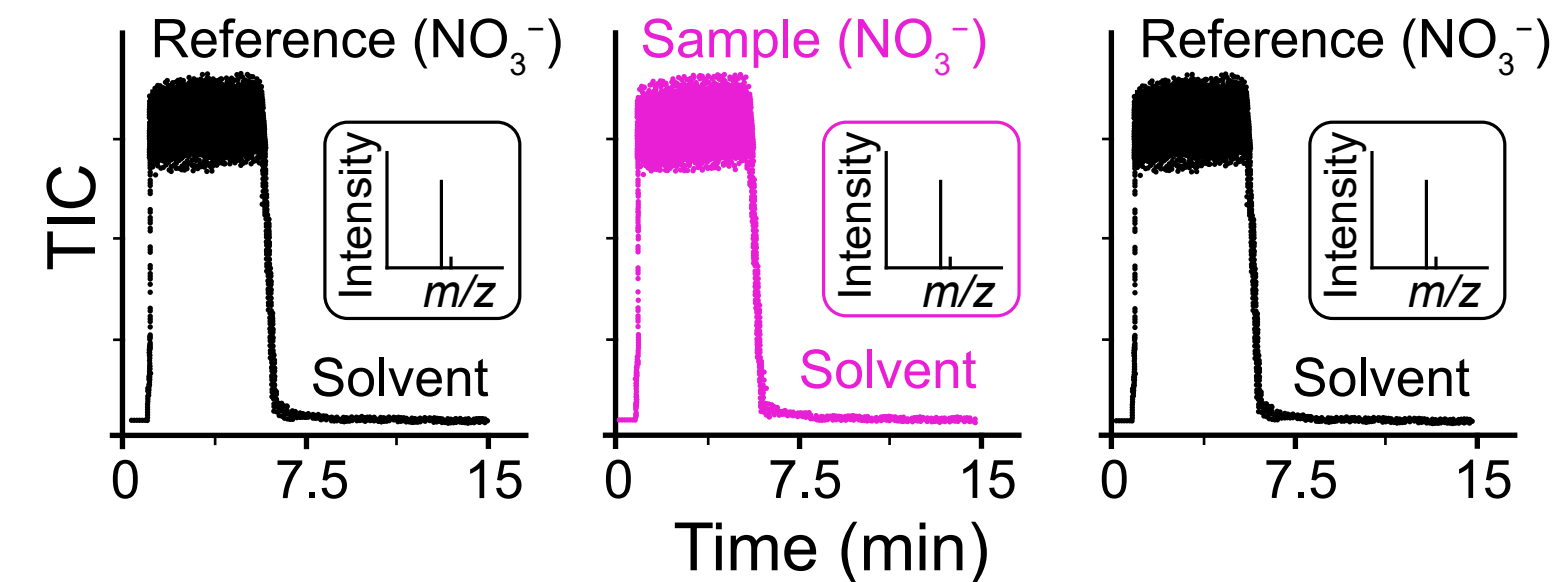
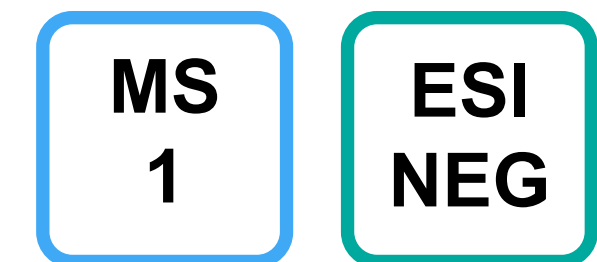
- Relative IRMS precision
- Poisson noise analysis

Procedure 2

Automated flow injection



Nitrate samples



Assess IRMS performance

- Sample/reference standardization
- Geochemical $\delta^{15}\text{N}$ and $\delta^{18}\text{O}$ values