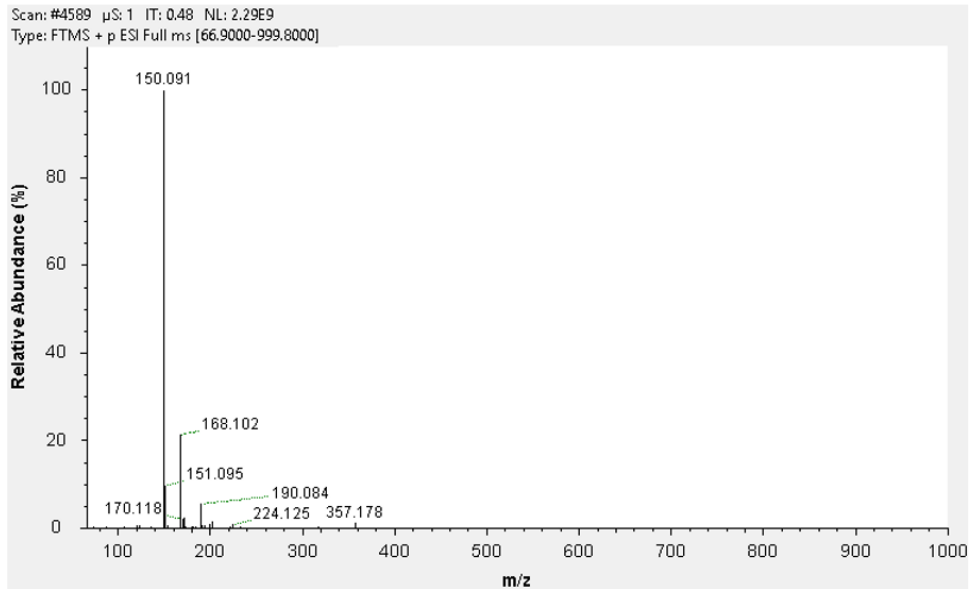
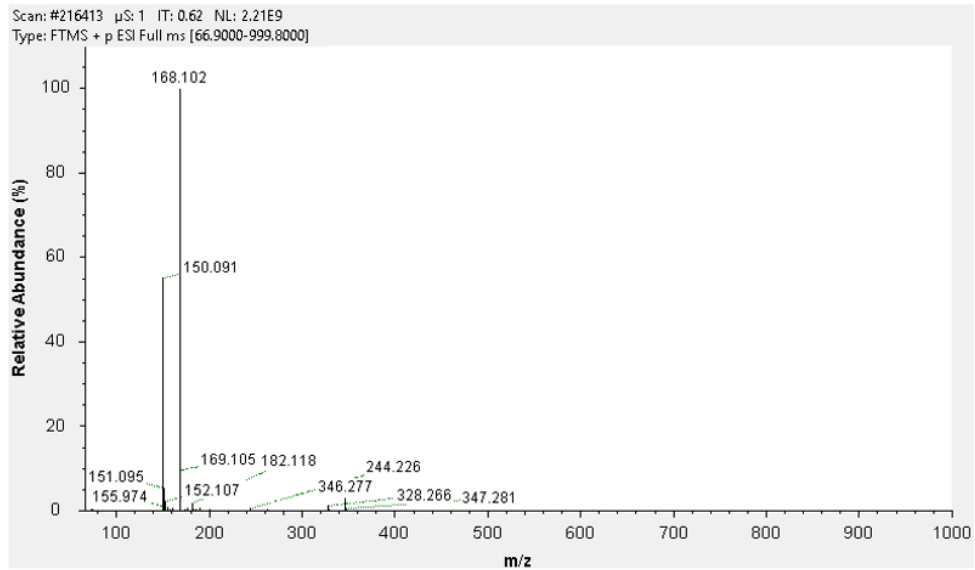


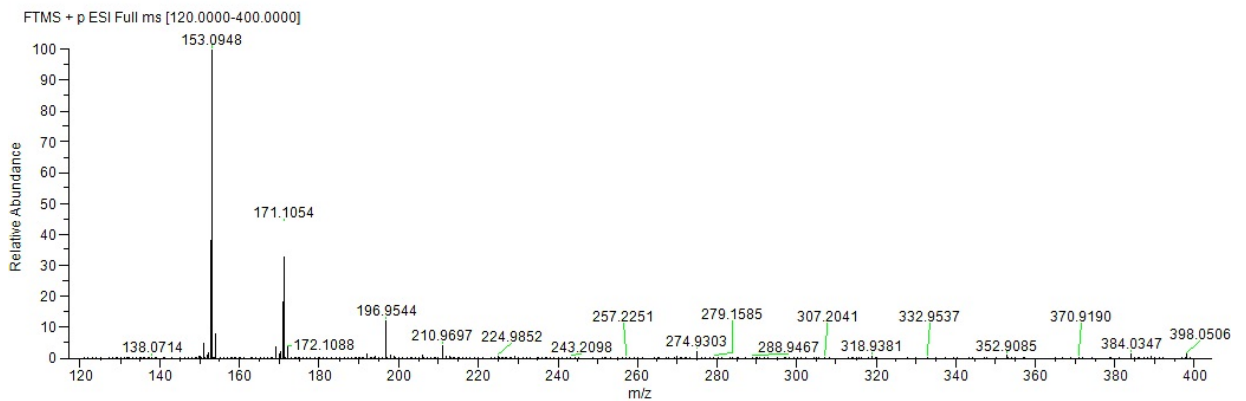
p-synephrine



m-synephrine



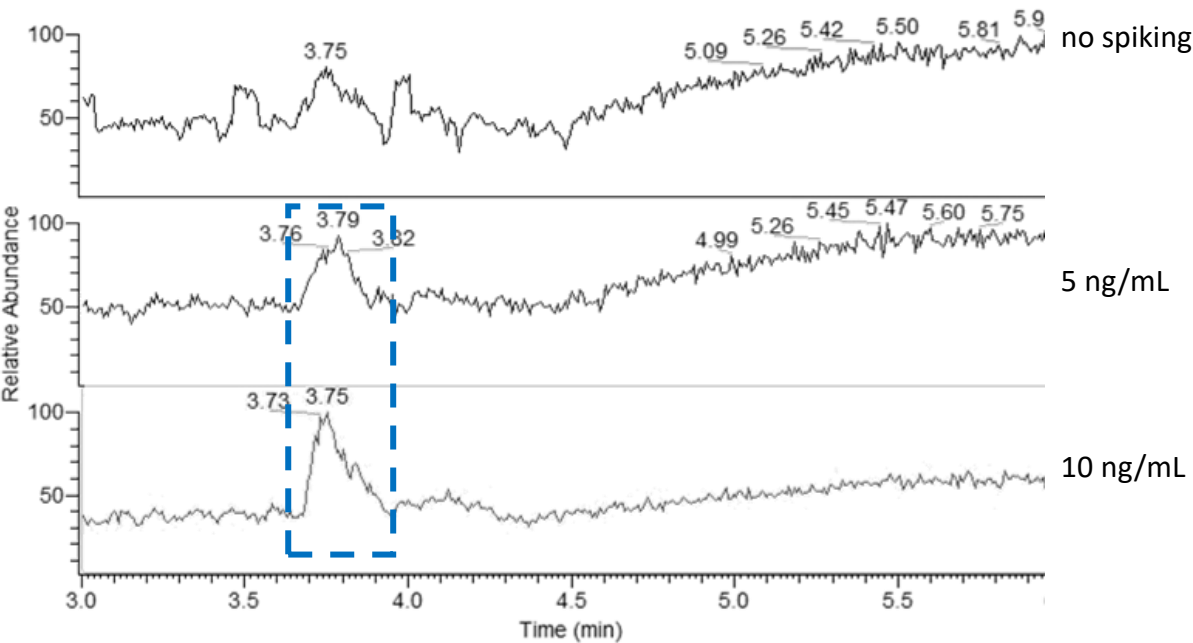
SIL *p*-synephrine



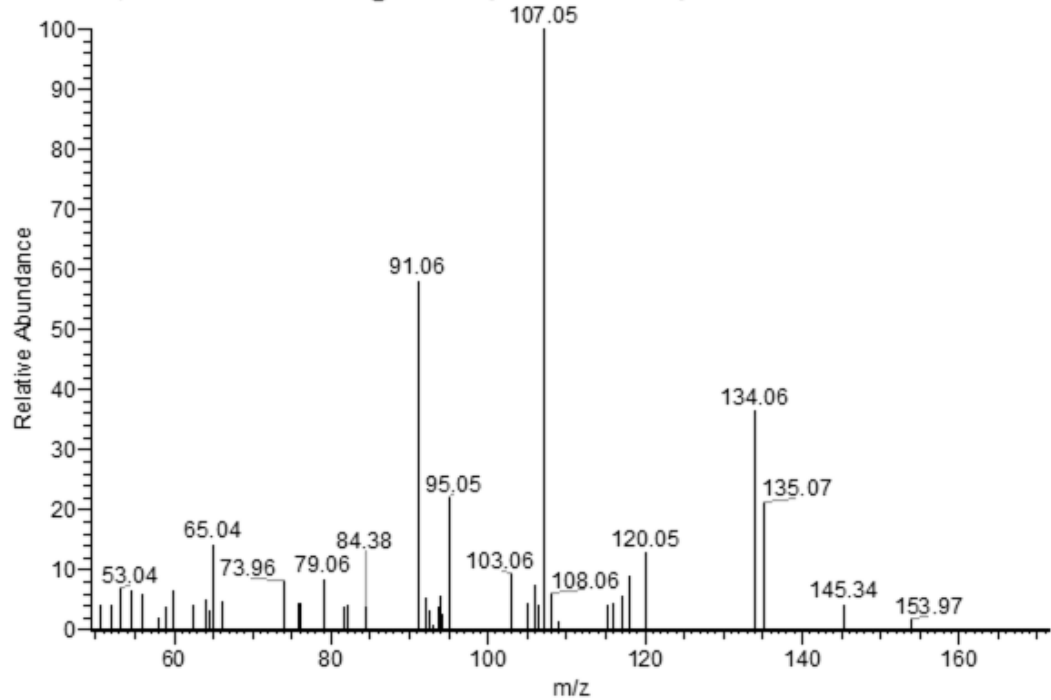
Supplemental data: The MS spectra obtained for *p*-synephrine and *m*-synephrine upon infusion under the current MS settings. The full scan MS spectra (m/z range 120-400) obtained for the SIL with the current MS settings,

A

SDL p-syneprine = 5 ng/mL in matrix

**B**

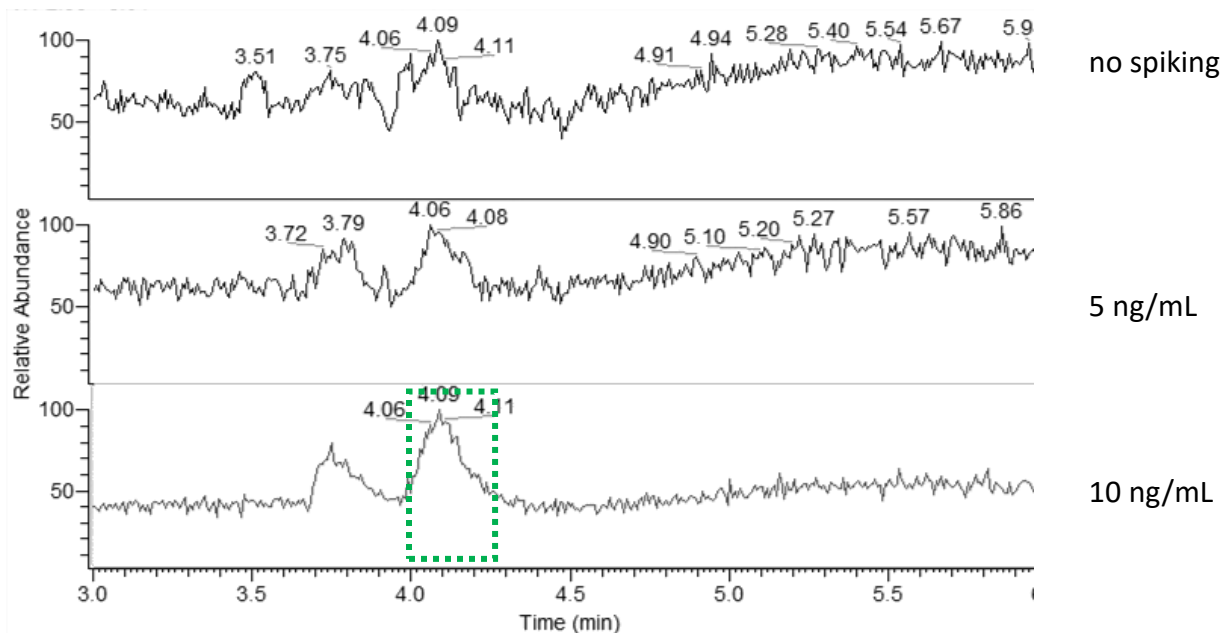
5ngC #308 RT: 3.79 AV: 1 SB: 134 3.00-3.53 , 3.98-4.49 NL: 2.29E4
F: FTMS + p ESI Full ms2 150.0910@hcd30.00 [50.0000-170.0000]



Supplemental data: The targeted LC-MS/MS chromatograms obtained in matrix 1 for different concentrations of *p*-syneprine to determine the LOD (A) and the obtained MS/MS spectrum (B).

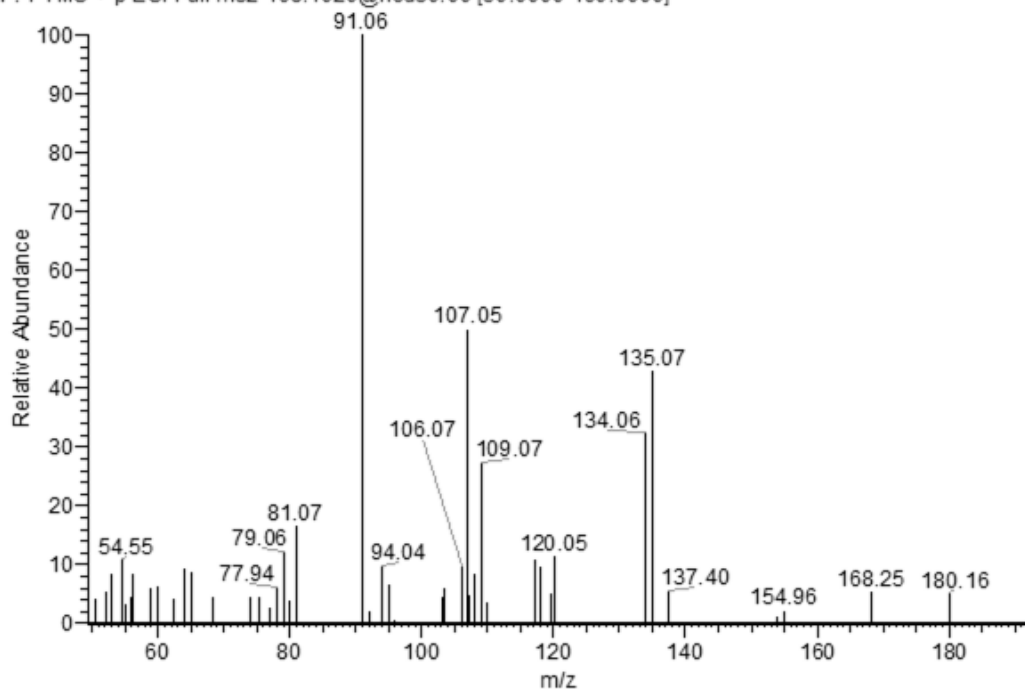
A

SDL m-syneprine = 10 ng/mL in matrix

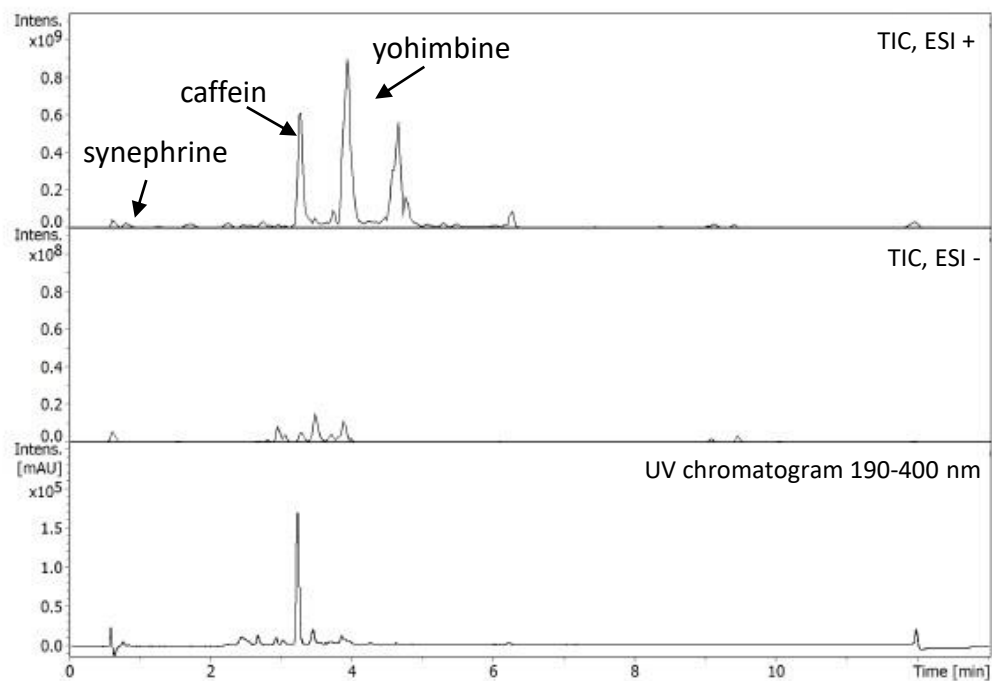
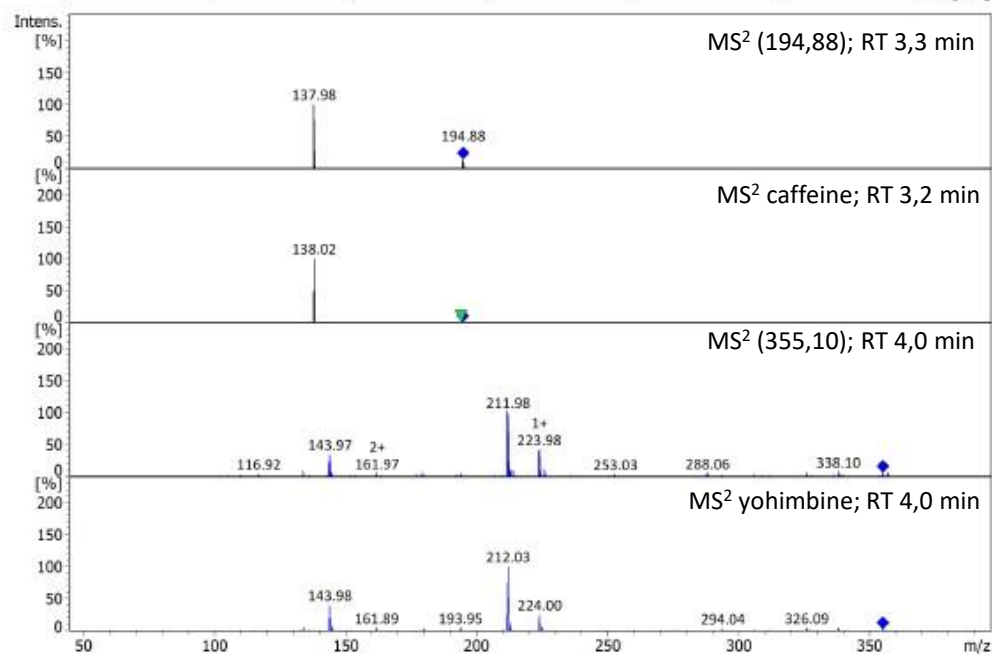


B

10ngC#430 RT: 4.10 AV: 1 SB: 162 4.40-4.97, 3.26-3.93 NL: 1.96E4
F: FTMS + p ESI Full ms2 168.1020@hcd30.00 [50.0000-190.0000]

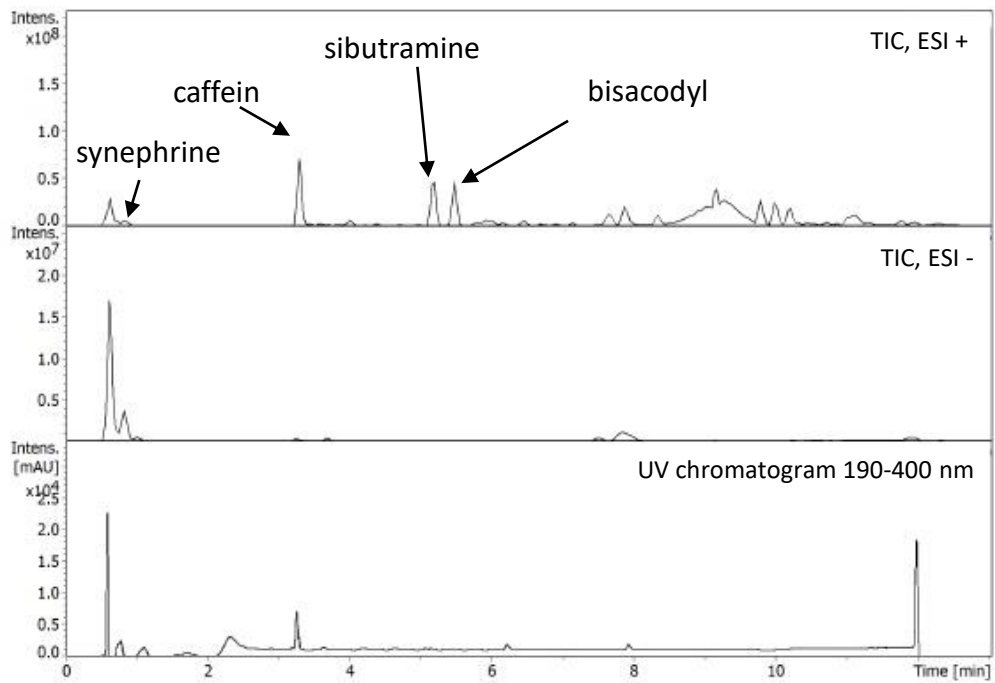


Supplemental data: The targeted LC-MS/MS chromatograms obtained in matrix 1 for different concentrations of *m*-syneprine to determine the LOD (A) and the obtained MS/MS spectrum (B).

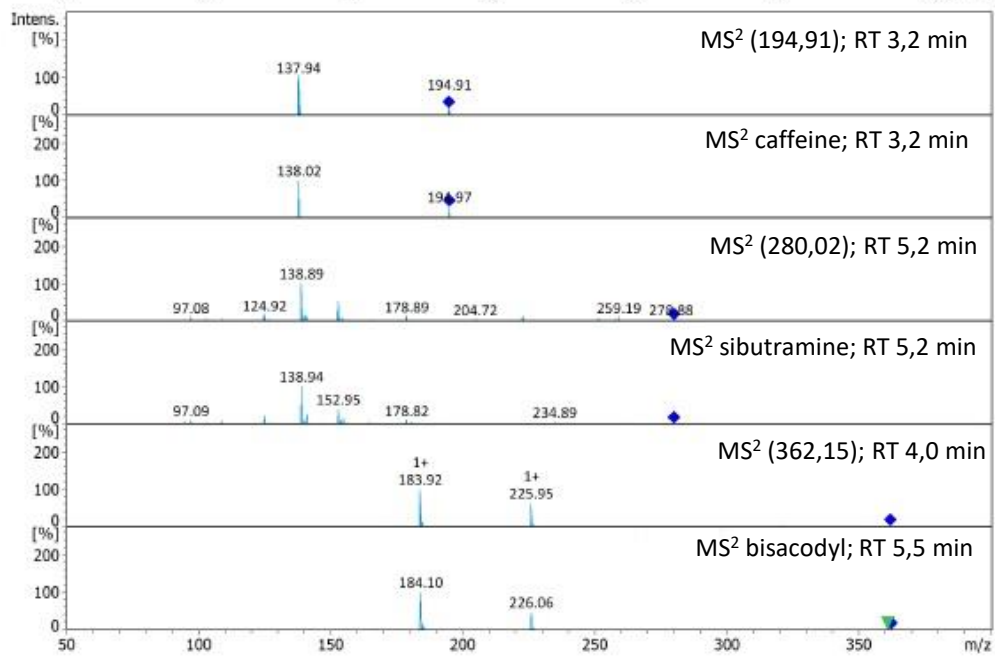
A**B**

Supplemental data: Overview of the total ion chromatograms (TIC) obtained with positive or negative ionization mode and the obtained LC-UV data (A) of sample 2. The obtained MS^2 data from the samples with observed retention time (RT) and the MS^2 data obtained for the reference standard of caffeine or yohimbine (B).

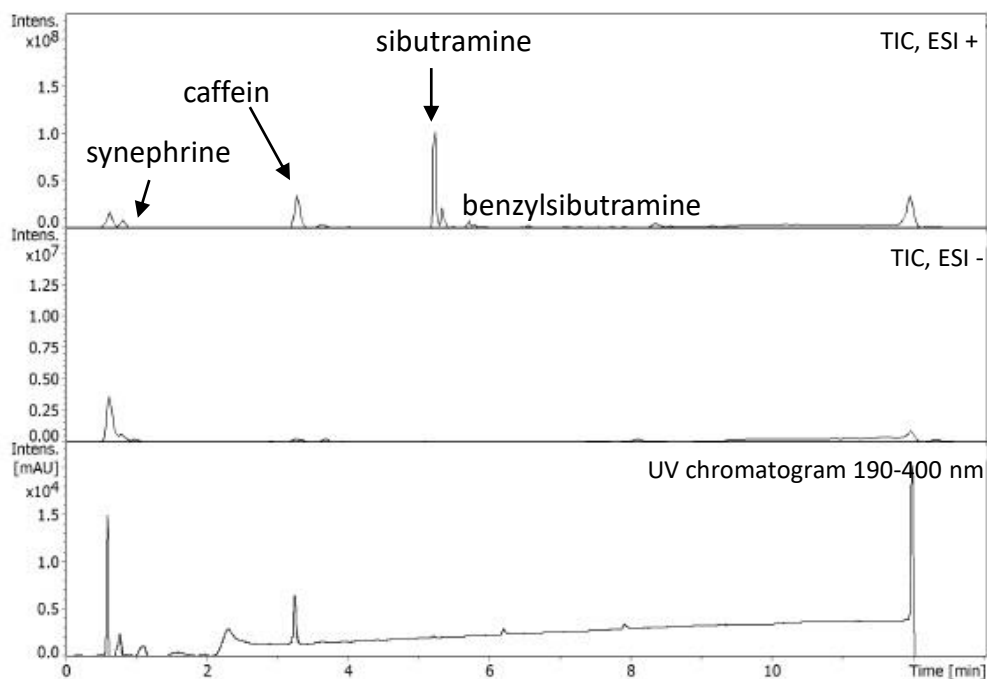
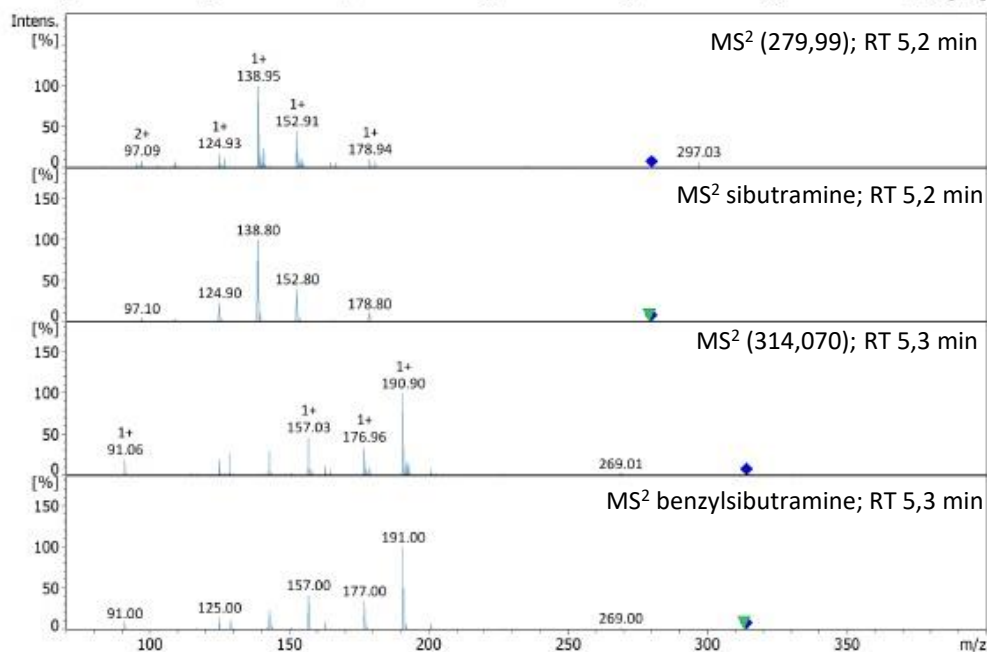
A



B



Supplemental data: Overview of the total ion chromatograms (TIC) obtained with positive or negative ionization mode and the obtained LC-UV data (A) of sample 7. The obtained MS² data from the samples with observed retention time (RT) and the MS² data obtained for the reference standard of caffeine or yohimbine (B).

A**B**

Supplemental data: Overview of the total ion chromatograms (TIC) obtained with positive or negative ionization mode and the obtained LC-UV data (A) of sample 8. The obtained MS^2 data from the samples with observed retention time (RT) and the MS^2 data obtained for the reference standard of caffeine or yohimbine (B).