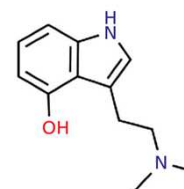
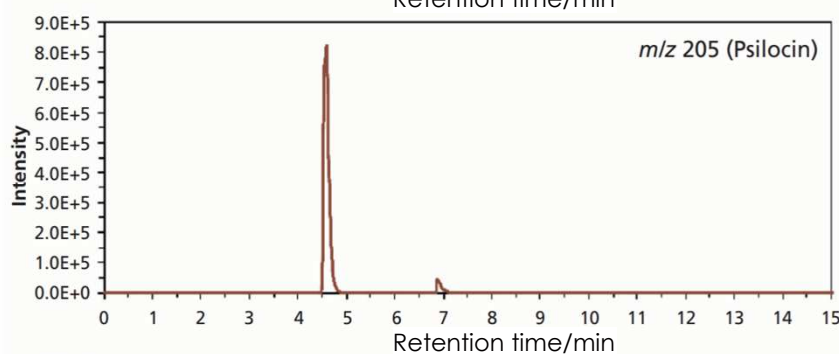
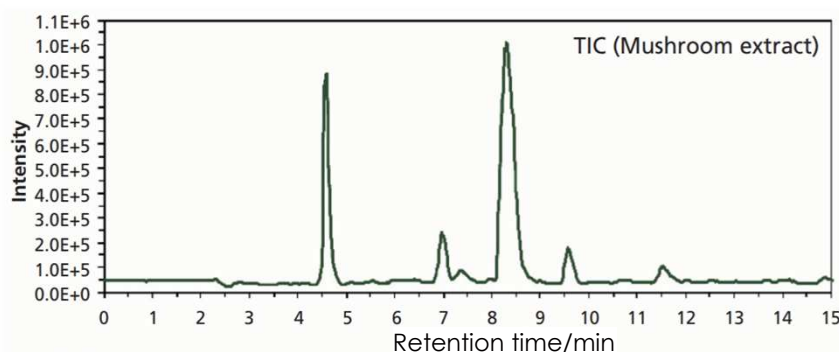


サイロシンとサイロシビンの分離(LC/MS)

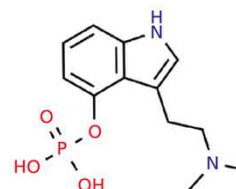
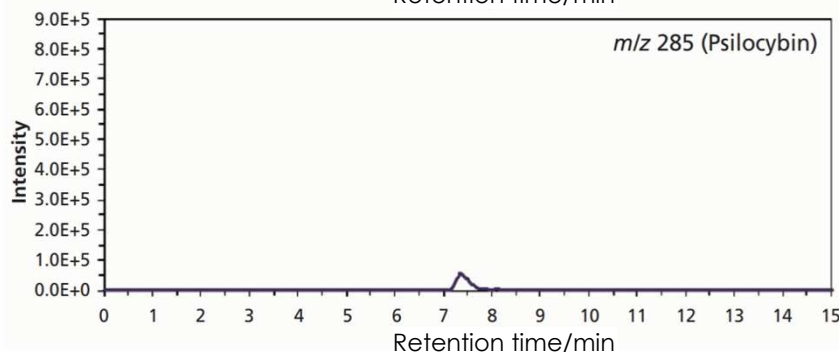
Psilocin and Psilocybin (LC/MS)

iHILIC-Fusion 3.5 μm , 150 \times 4.6 mm i.d.

made by HILICON AB



Psilocin



Psilocybin

LC-MS System: Agilent 1100 LC system and Bruker Esquire 6000 ion trap mass spectrometer, operated in positive ionization mode (ESI+). Chromatographic data were acquired and evaluated with ChemStation Rev. A. 10.02.

Column: iHILIC-Fusion 3.5 μm 100 \AA , 150 \times 4.6 mm i.d.

Mobile Phase: Ammonium format (10 mM, pH 3.5):acetonitrile=20:80(v/v)

Flow Rate: 0.5 mL/min

Column Temperature: 12 $^{\circ}\text{C}$

Sample Preparation: Quasi-counter current extraction with methanol at 60 $^{\circ}\text{C}$ in a Shimadzu 10/A HPLC system. A 50- mg measure of air-dried and homogenized hallucinogenic mushroom was filled in the extractor chamber (an empty 250 \times 4.6 mm HPLC column). The standard solutions were 5 $\mu\text{g}/\text{mL}$ and 500 $\mu\text{g}/\text{mL}$ for psilocin and psilocybin, respectively. Methanol was used as the solvent.

Injection Volume: 1 μL