

# Application Report 30

## Analysis of Amphetamines on Discovery HS F5

This application demonstrates the suitability of Discovery HS F5 for the analysis of amphetamines. Amphetamine, methamphetamine, MDA and MDMA structures as well as the chromatogram obtained on Discovery HS F5 are presented below.

### Key Words

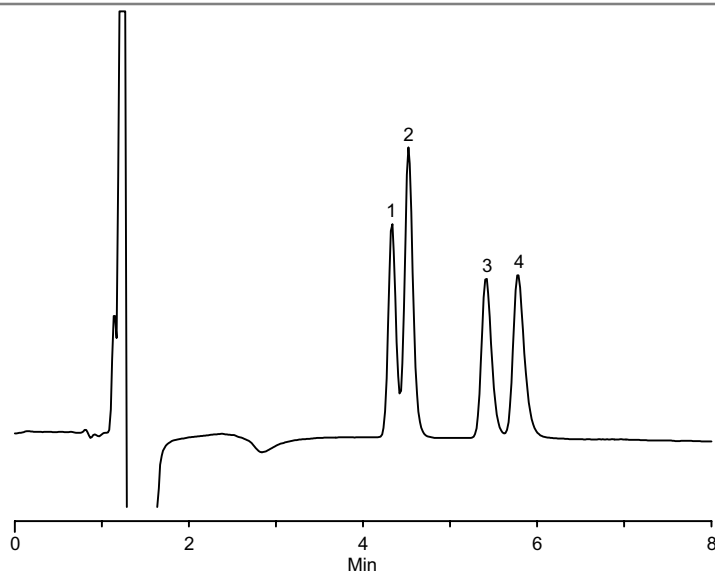
amphetamine, A2262, 60-13-9, methamphetamine, M5260, 51-57-0, MDA, 3,4-methylenedioxyamphetamine, M3272, MDMA, 13673-99-9, 3,4-methylenedioxymethamphetamine, M5029, 92279-84-0, ecstasy

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Raw Data File Name: Project "s\_wyatt", Result ID #1566

Acquisition System: Lab 35, Waters Alliance

Notebook Reference: 1445-13



G002081

### Conditions

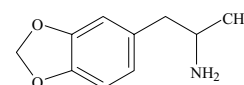
Column: Discovery HS F5, 15cm x 4.6mm ID, 5µm particles  
Cat. No.: 567516-U  
Mobile Phase: 10 mM ammonium acetate in 10:90 water:CH<sub>3</sub>CN  
Temperature: 35°C  
Flow Rate: 1.5mL/min  
Detection: UV, 210nm  
Injection Volume: 5µL  
Sample: 50µg/mL each (amphetamine, methamphetamine, MDA and MDMA) in methanol

### Peak IDs

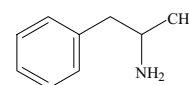
1. MDA
2. Amphetamine
3. MDMA
4. Methamphetamine

### Structures

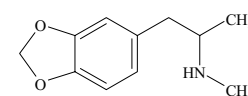
MDA - G002038



Amphetamine - G002037



MDMA - G002036



Methamphetamine - G002035

