

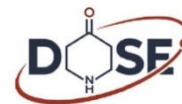


DEA Overdose Surveillance Exchange (DOSE)



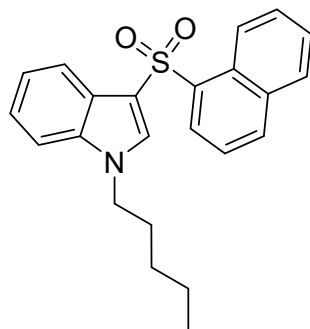
March 2026
DEA-SFL1-DOSE-26-002

The Five Core Pillars of the DOSE Approach



New Substance Public Alert:

JWH-018-S



Evidence → Intelligence → Action → Lives Saved

Background

Substance was submitted by the DEA Western Laboratory as an unknown substance. A total of eleven bottles containing liquid were obtained in the State of Washington in April 2025. One of the bottles contained MDMB-4en-PINACA, CH-PIATA, and ADB-FUBIATA. The remaining ten bottles contained the unknown substance.

Chemical Information

Chemical Name: 3-(naphthalen-1-ylsulfonyl)-1-pentyl-1H-indole

Molecular Formula: C₂₃H₂₃NO₂S

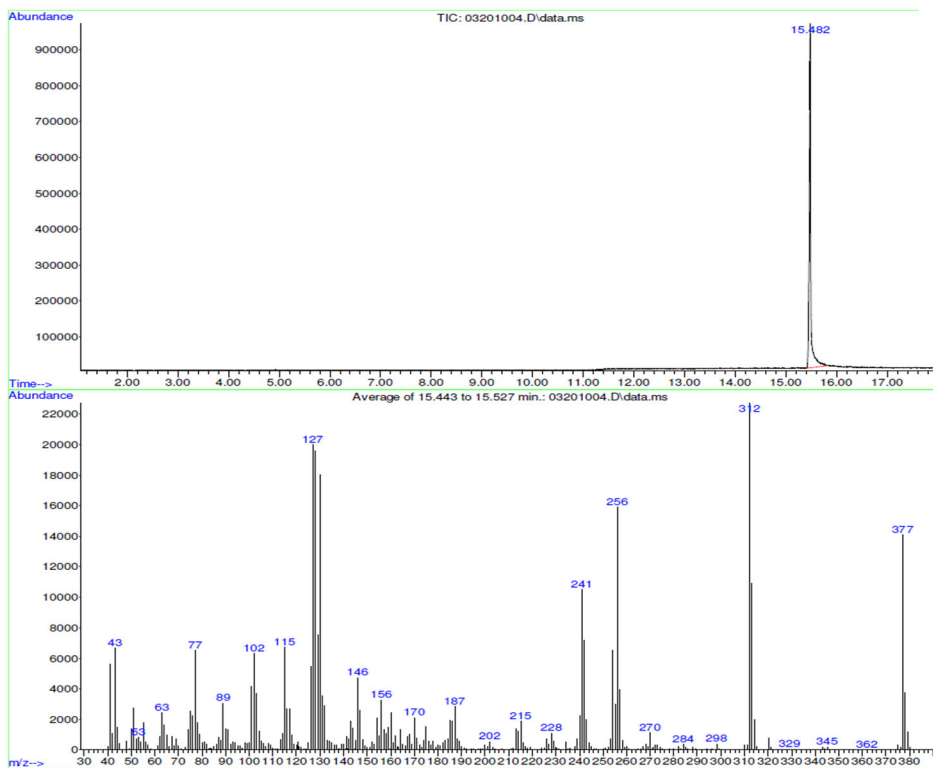
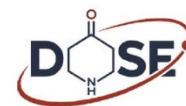
Molecular Weight: 377.502 g/mol

CAS RN: N/A

Reference Material: Not available commercially

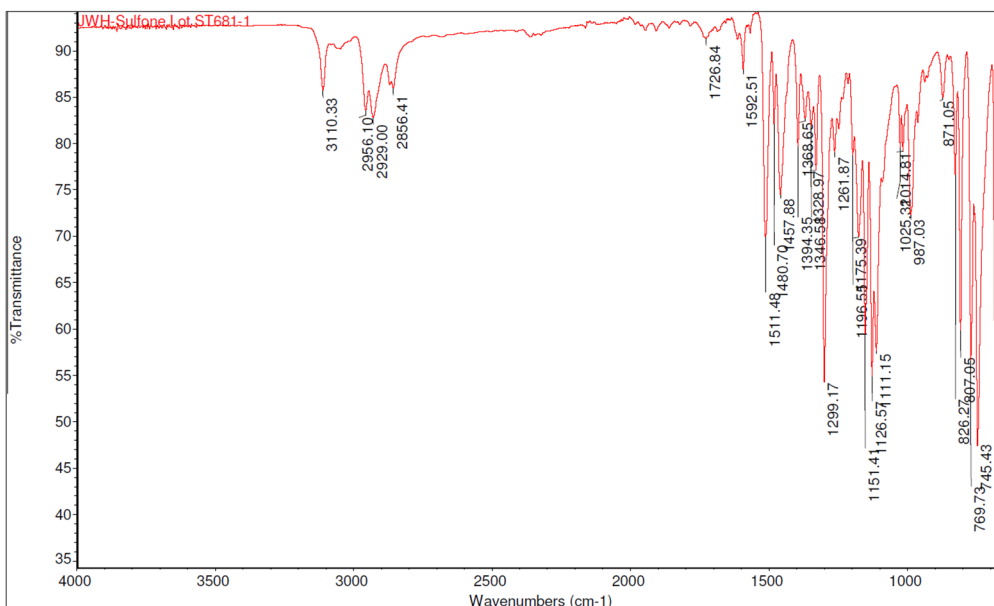


Analytical Data

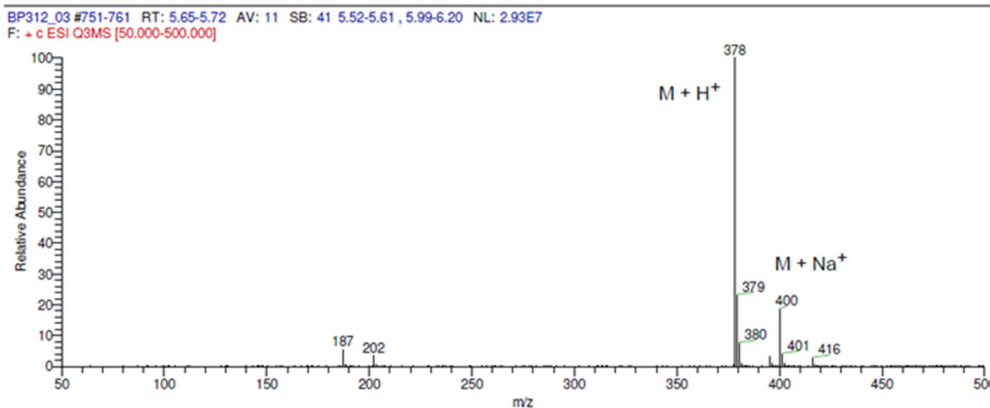
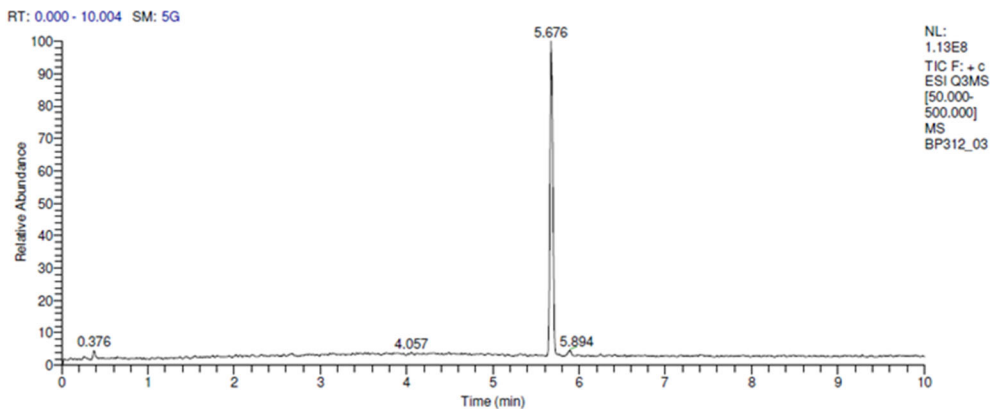
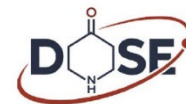


GC-EI-MS Data for JWH-018-S

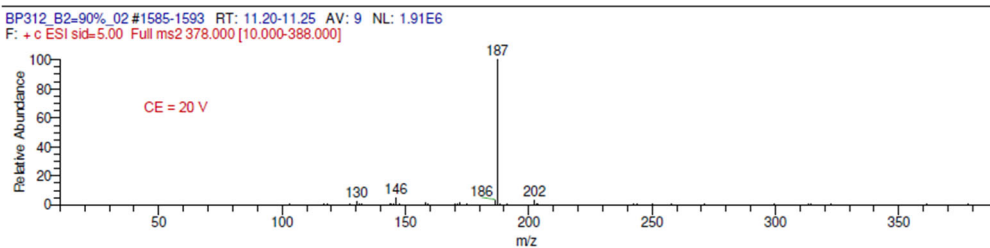
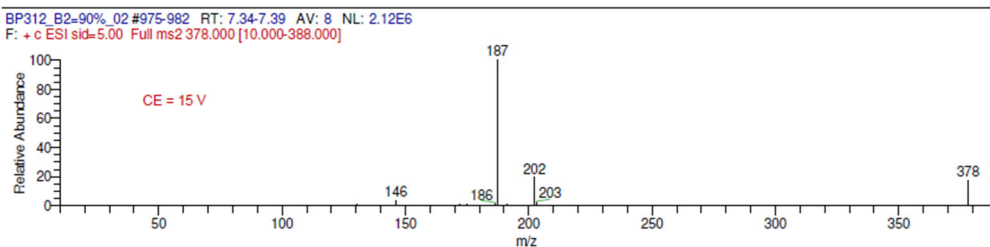
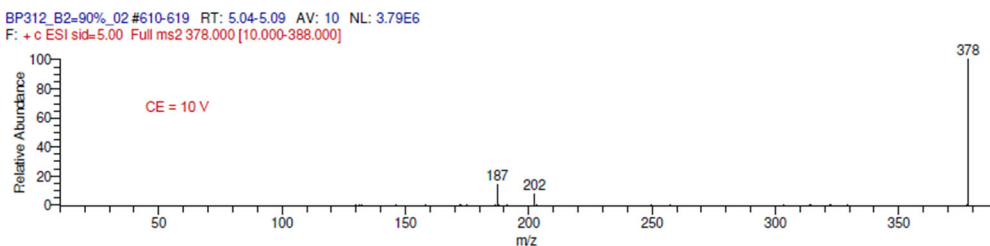
Note: A peak using the DEA-GUARDS method with a retention time of 15.4 minutes was observed. No good library matches for GC-MSD search.



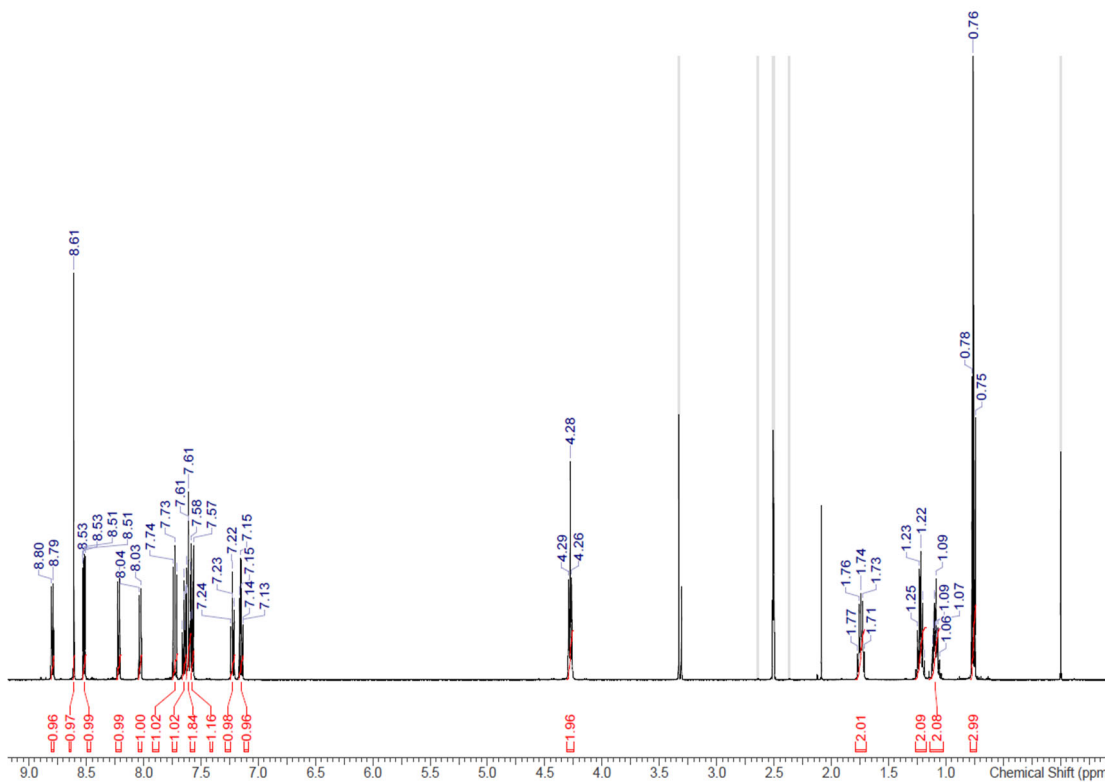
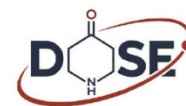
FTIR Data for JWH-018-S



LC-ESI-MS data showing retention time and the protonated and sodiated molecular ions



ESI-MS/MS data at 3 different collision energies



¹H NMR Data for JWH-018-S (solvent DMSO-d6)

Recommended Citation:

Drug Enforcement Administration. DEA Overdose Surveillance Exchange (DOSE): New Substance Public Alert – JWH-018-S Bulletin. Dulles, Virginia: US. Special Testing and Research Laboratory, DEA; 2026, March 31.



Click or scan QR code to contact and learn more about DOSE.