Drug Metabolism and Disposition #063271 – Supplemental Data

Glucuronidation of OTS167 in humans is catalyzed by UDP-glucuronosyltransferases UGT1A1, UGT1A3, UGT1A8 and UGT1A10

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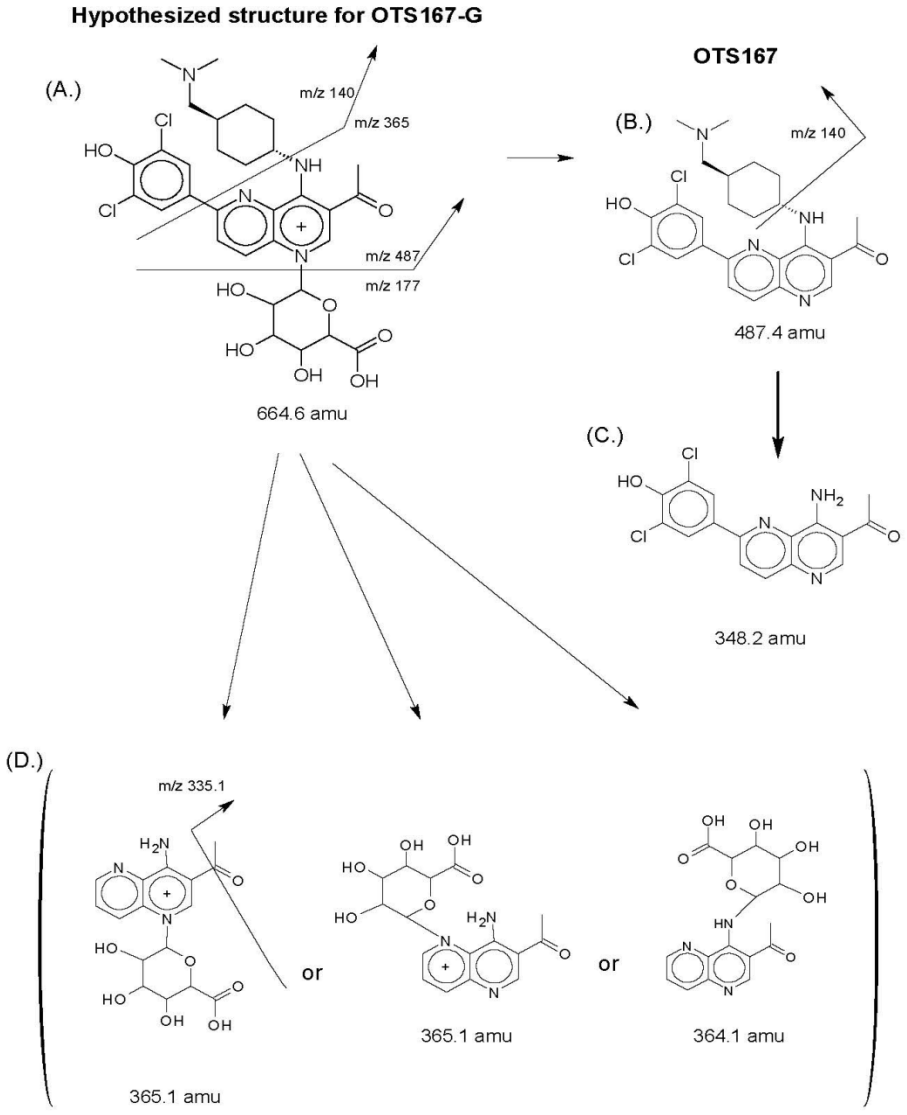
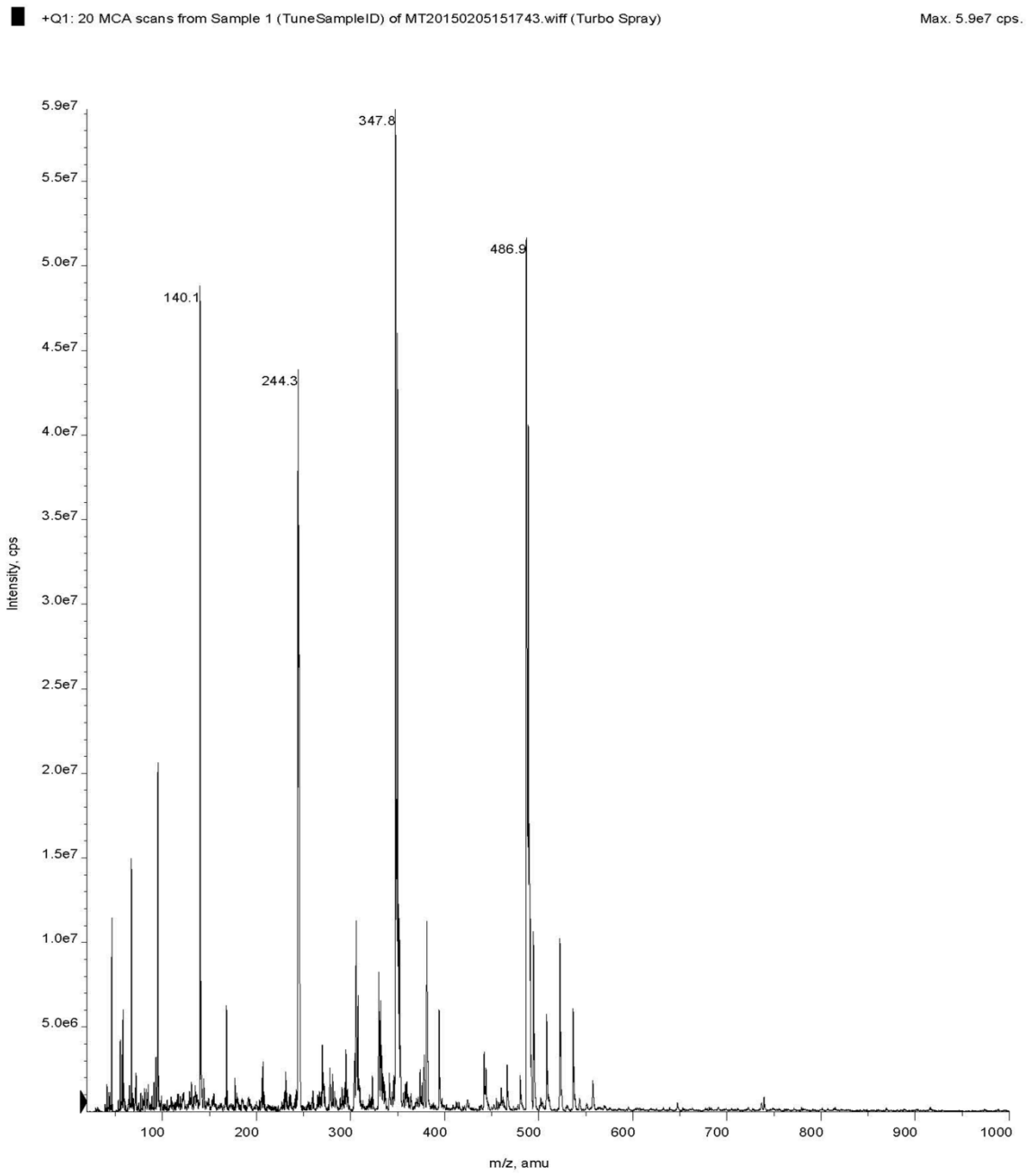
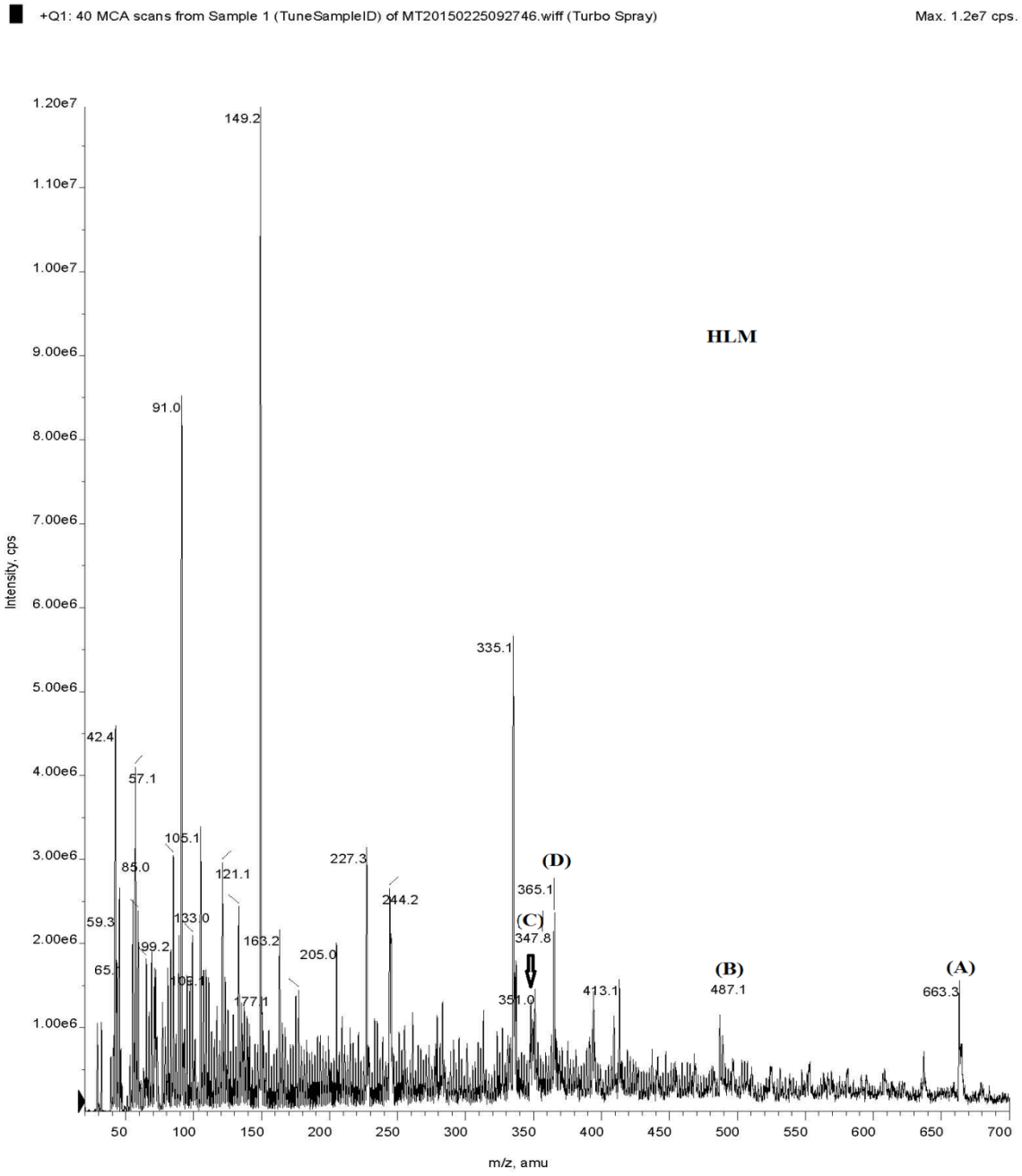


Supplemental Figure 1. Hypothesized structure of OTS167-G (A), structure of OTS167 (B), and fragment molecules (C) and (D).

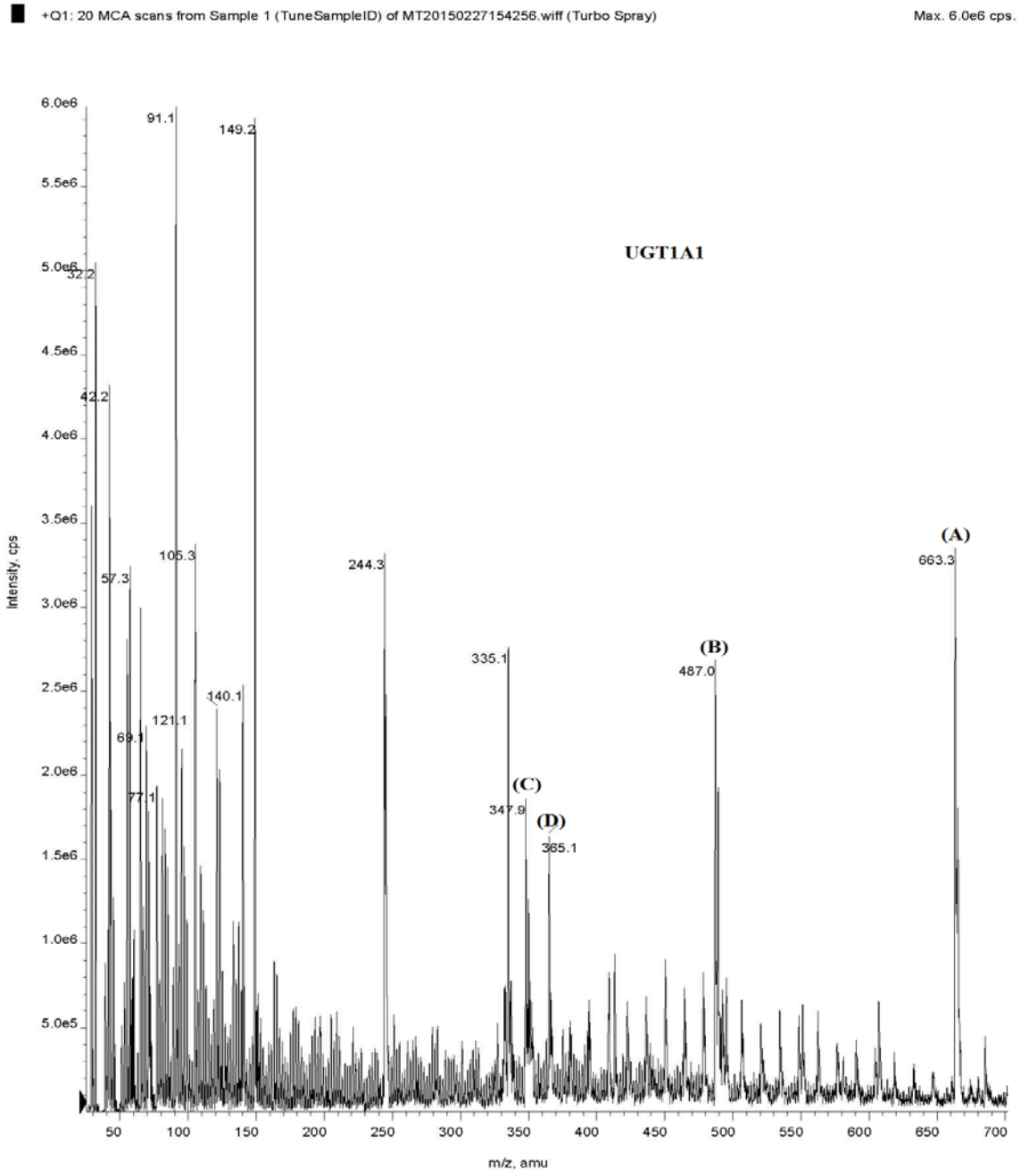


Supplemental Figure 2. Multi-channel averaged Q1 mass spectrometry scan for OTS167.

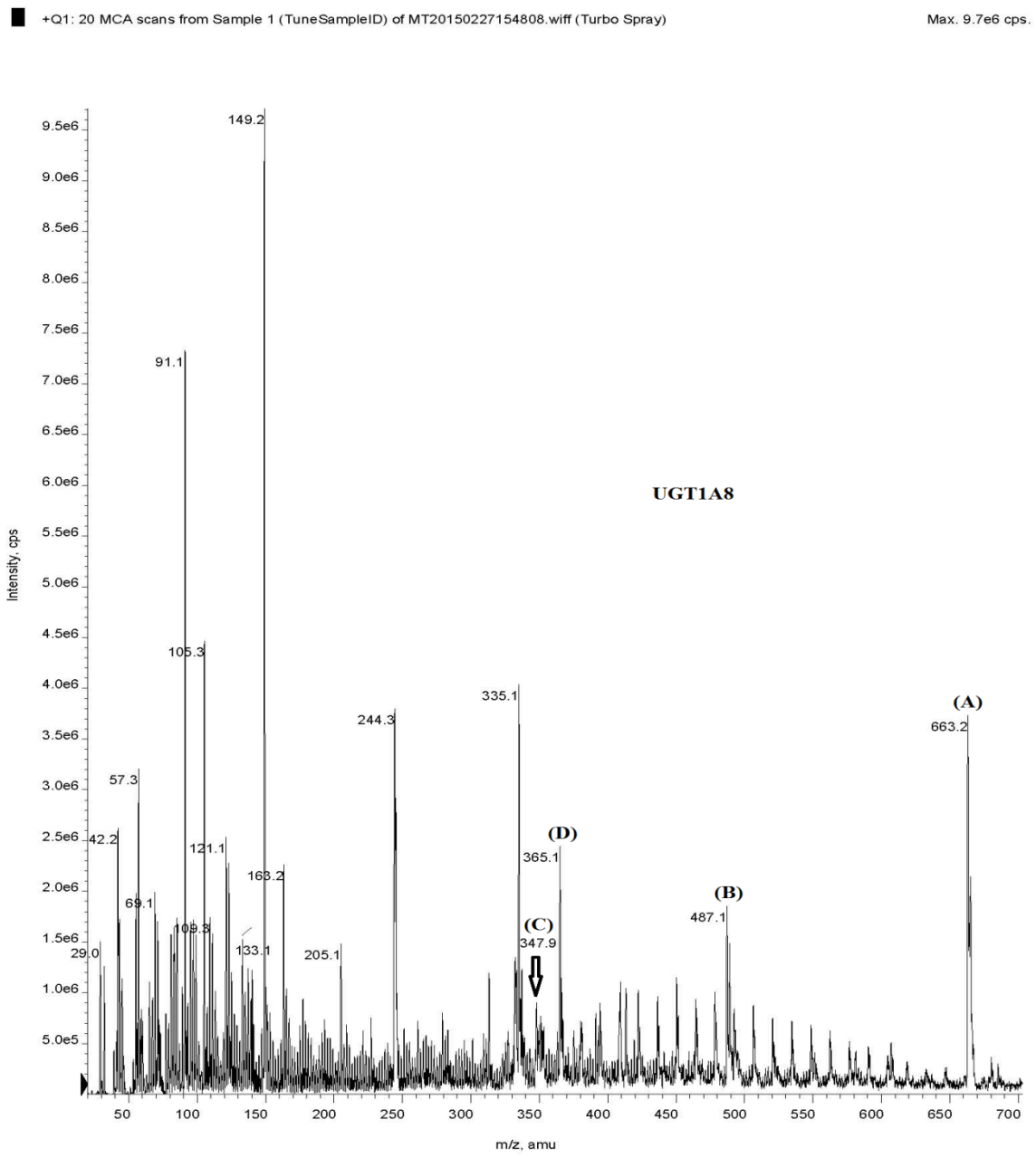
The most intense signals occurred at m/z's of: 486.9 [M+], 347.8 fragment, 244.3 $[M+2H]^{2+}$, and 140.1 fragment. The parent compound (486.9 m/z) and the 347.8 m/z fragment refer to structures in Supplemental Figure 1.



Supplemental Figure 3. Multi-channel averaged Q1 mass spectrometry scan for collected glucuronide peak formed during incubation with HLM. (A), (B), (C) and (D) refer to structures in Supplemental Figure 1.



Supplemental Figure 4. Multi-channel averaged Q1 mass spectrometry scan for collected glucuronide peak formed during incubation with UGT1A1. (A), (B), (C) and (D) refer to structures in Supplemental Figure 1.



Supplemental Figure 5. Multi-channel averaged Q1 mass spectrometry scan for collected glucuronide peak formed during incubation with UGT1A8. (A), (B), (C) and (D) refer to structures in Supplemental Figure 1.