

Supporting Information

From plant to drug: Ionic liquids for the reactive dissolution of biomass

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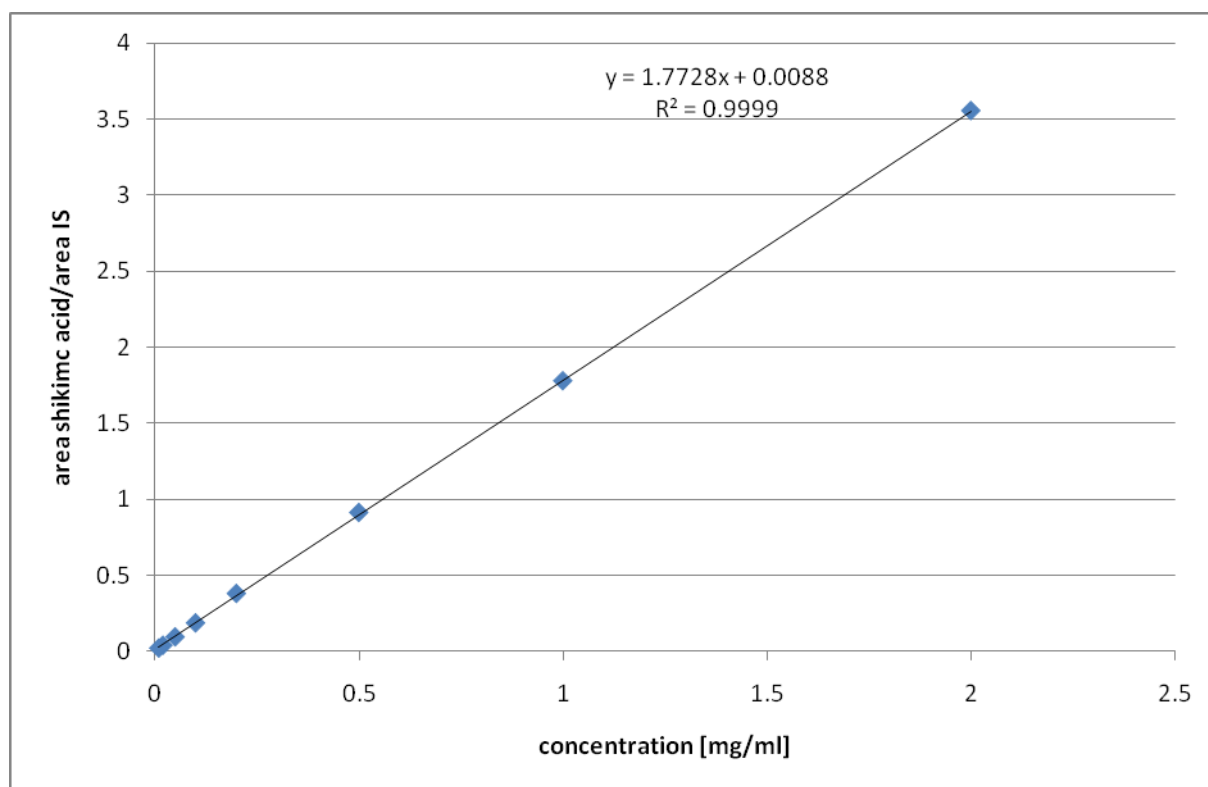
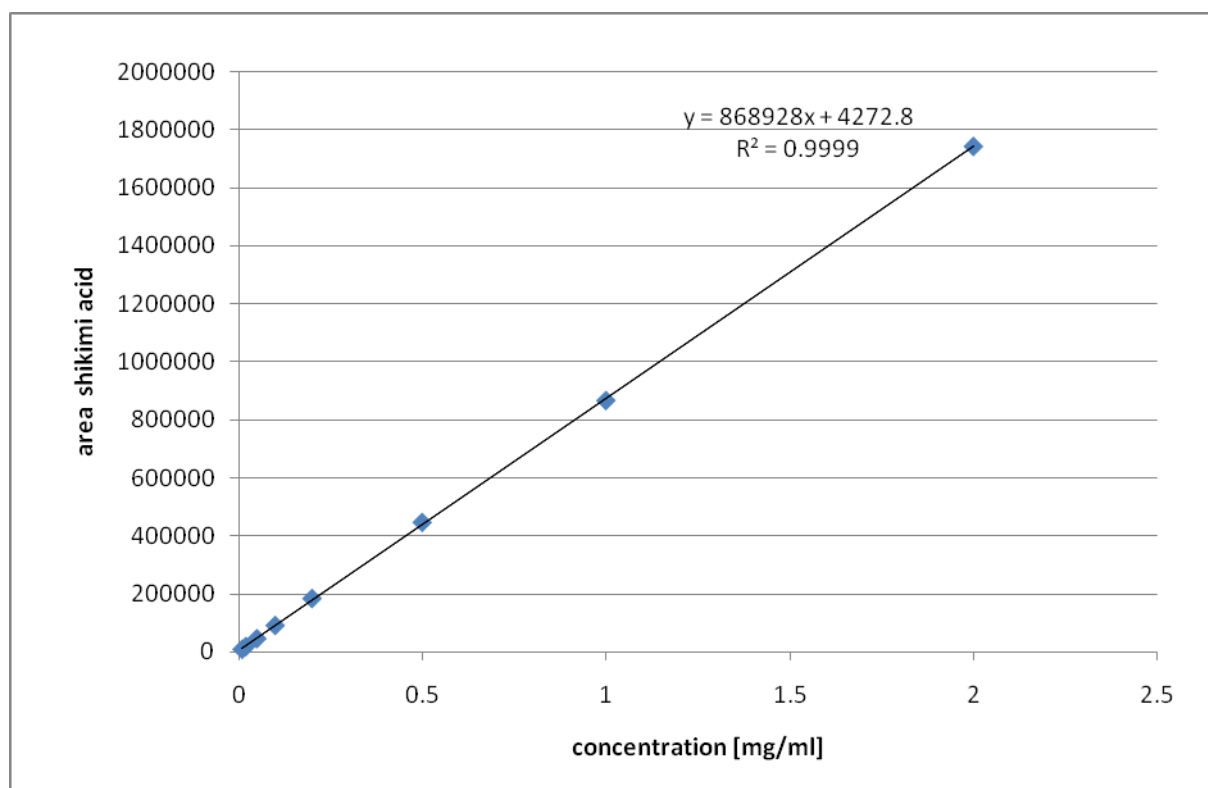
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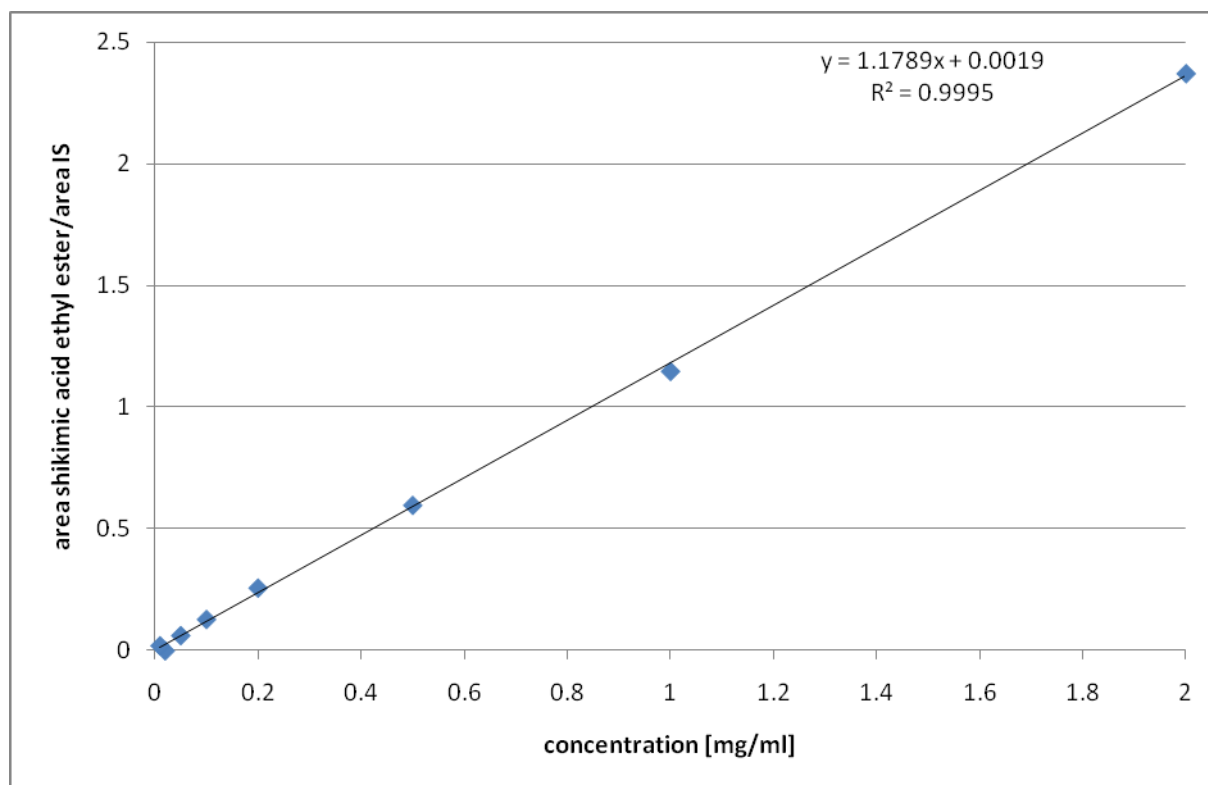
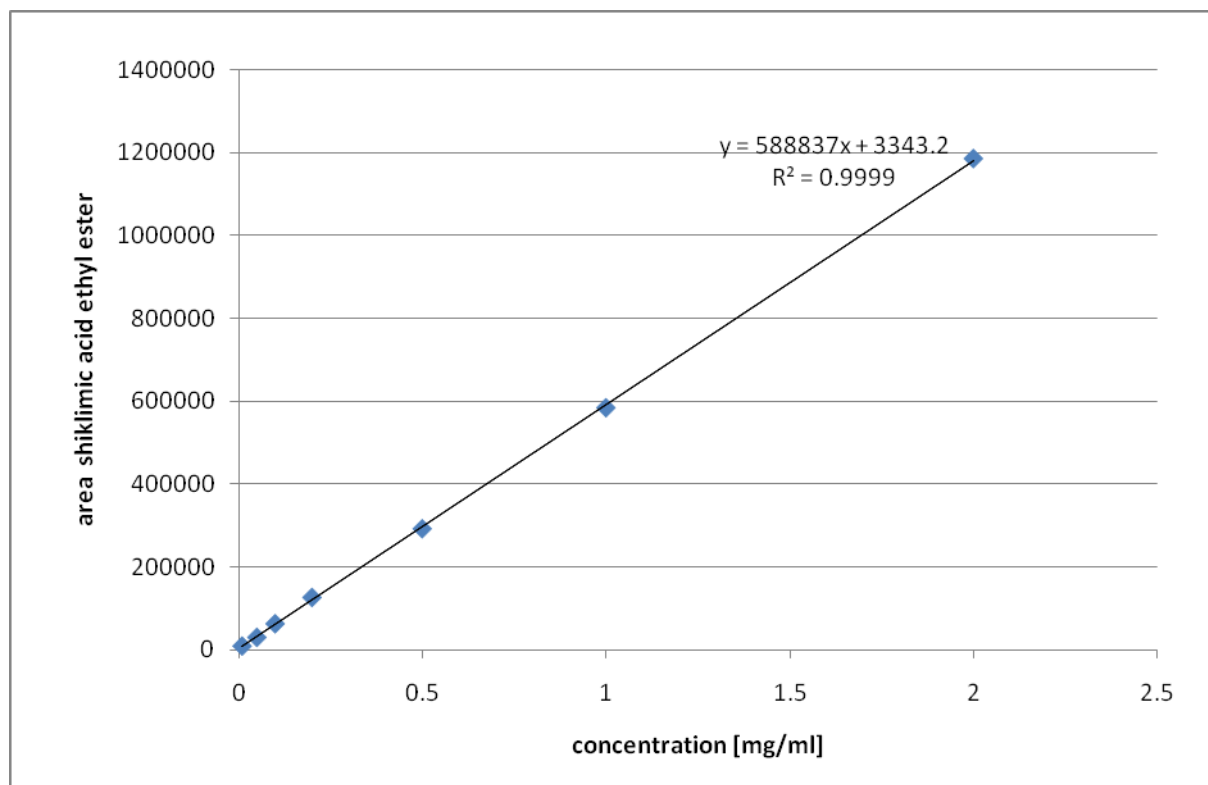
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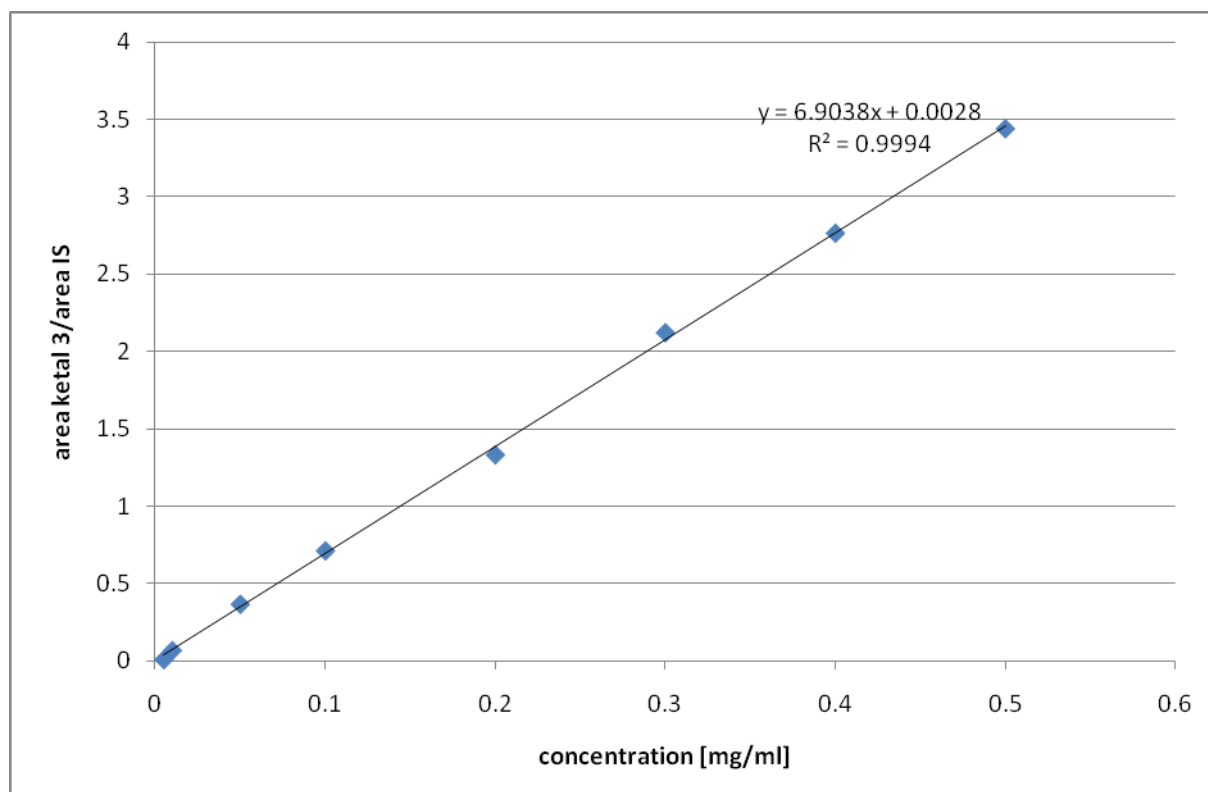
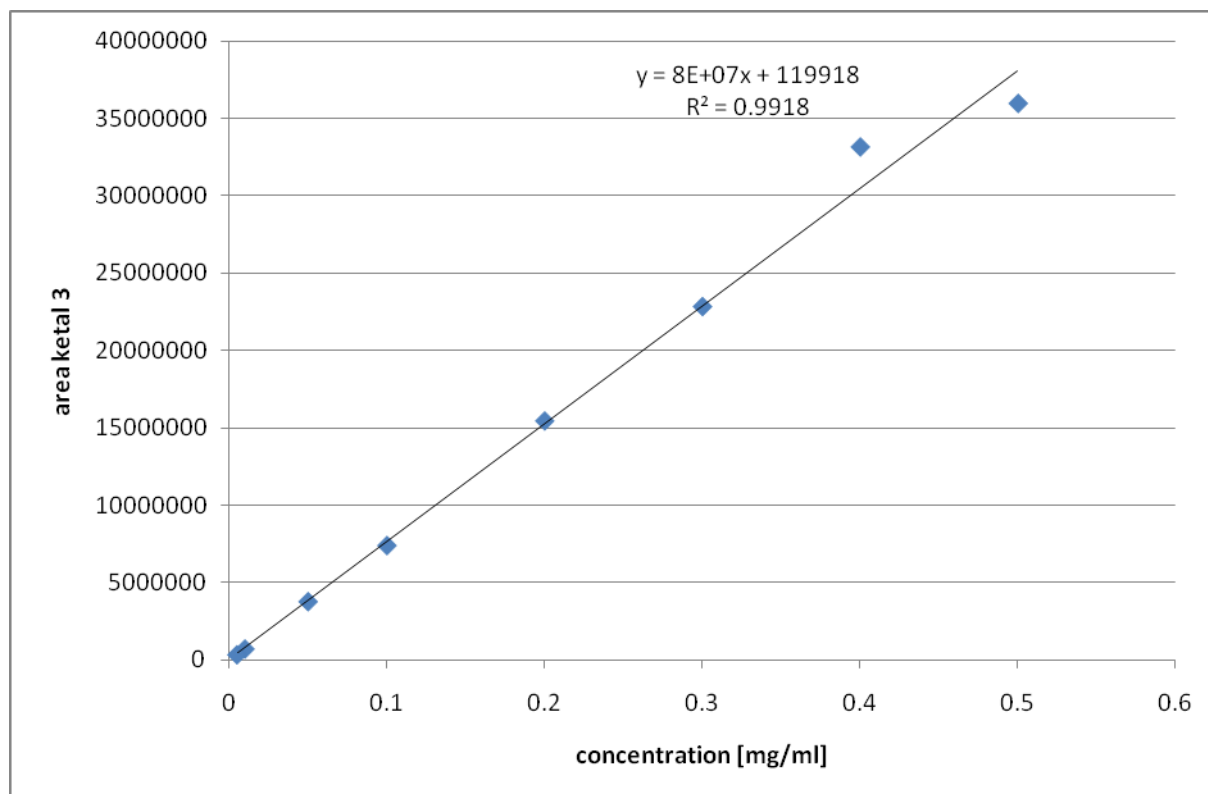
1. Fig. S1: Calibration curve for the determination of shikimic acid 1



2. Fig. S2: Calibration curve for the determination of shikimic acid ethyl ester 2

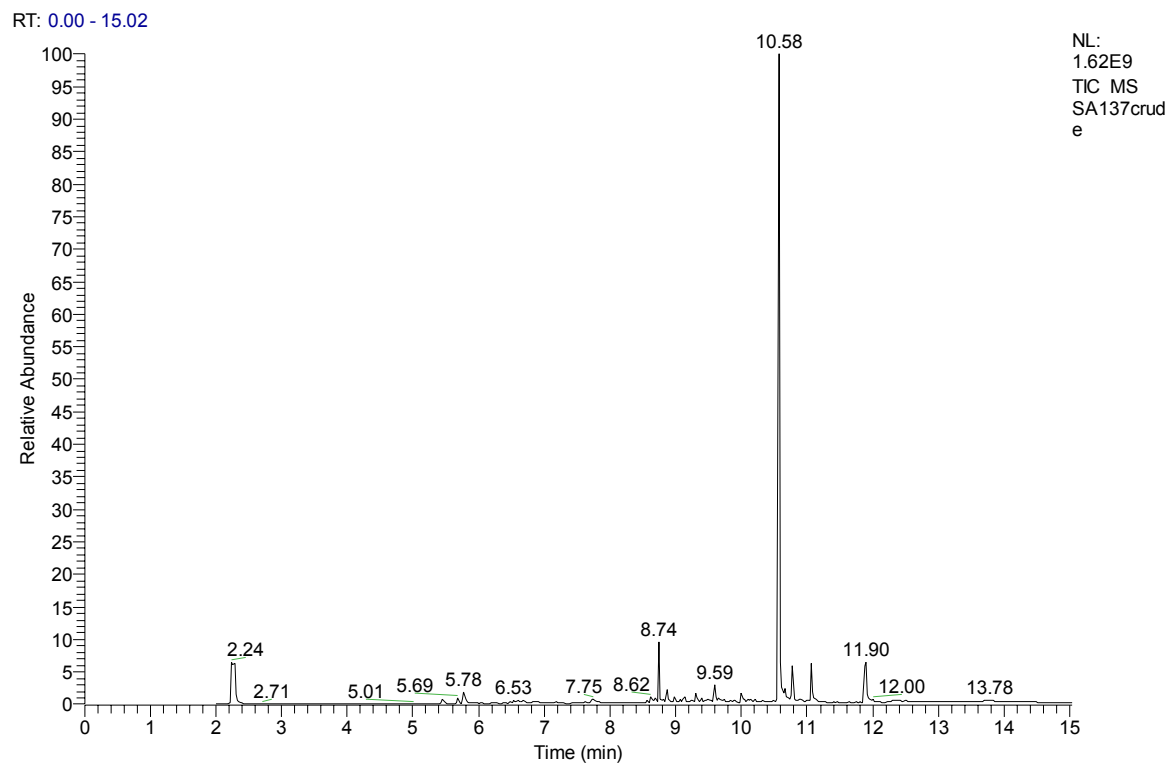


3. Fig. S3: Calibration curve for the determination of *ketal intermediate 3*

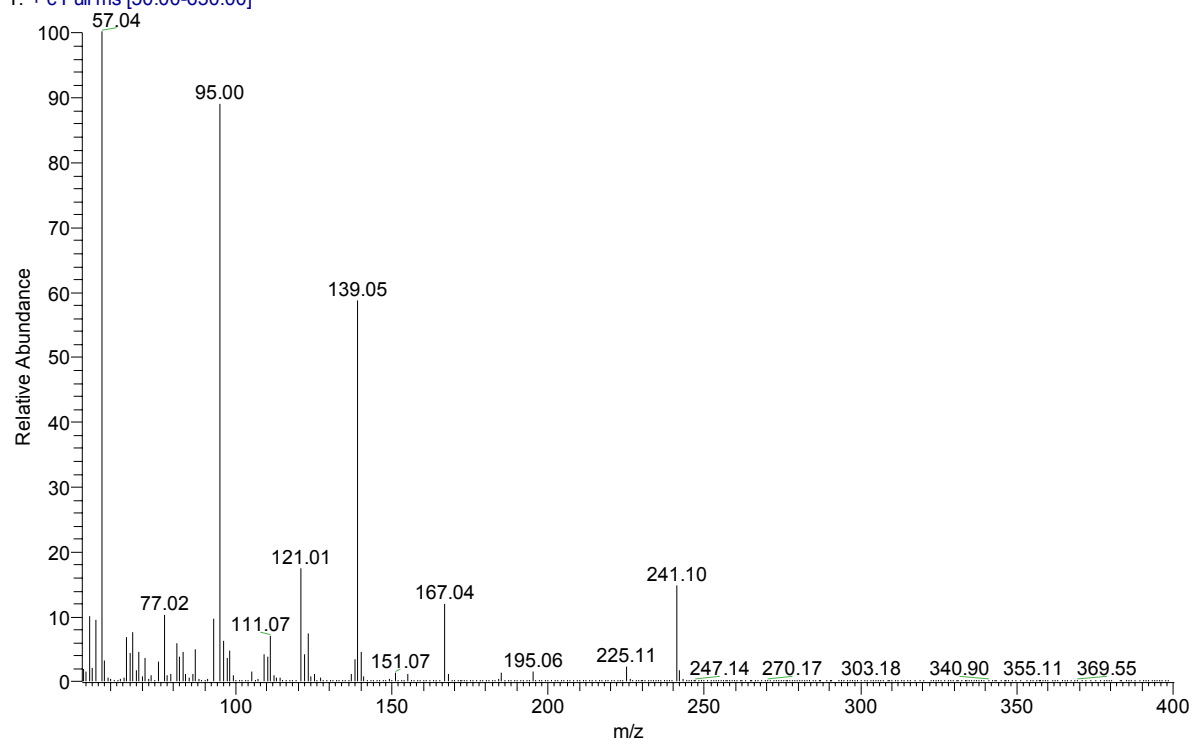


4. Fig. S4: GC-MS trace of crude ketal **3 after extraction from biomass (top) and analytical standard for comparison (bottom)**

Crude ketal **3** from biomass extract:

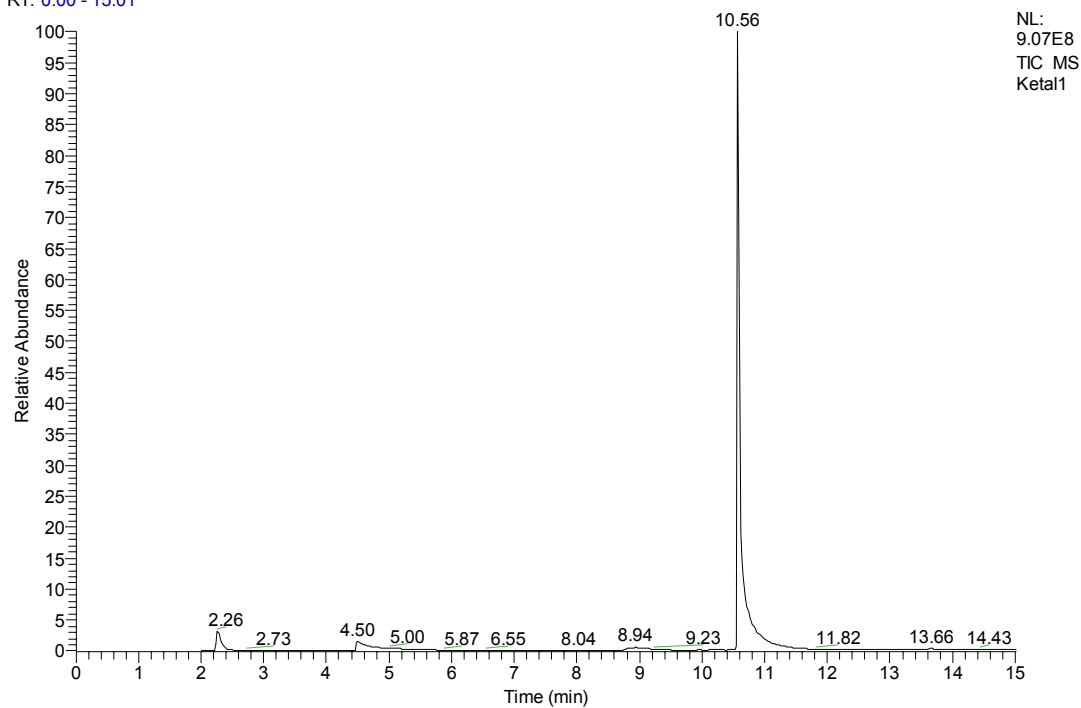


SA137crude #371 RT: 10.58 AV: 1 NL: 3.44E8
T: + c Full ms [50.00-650.00]

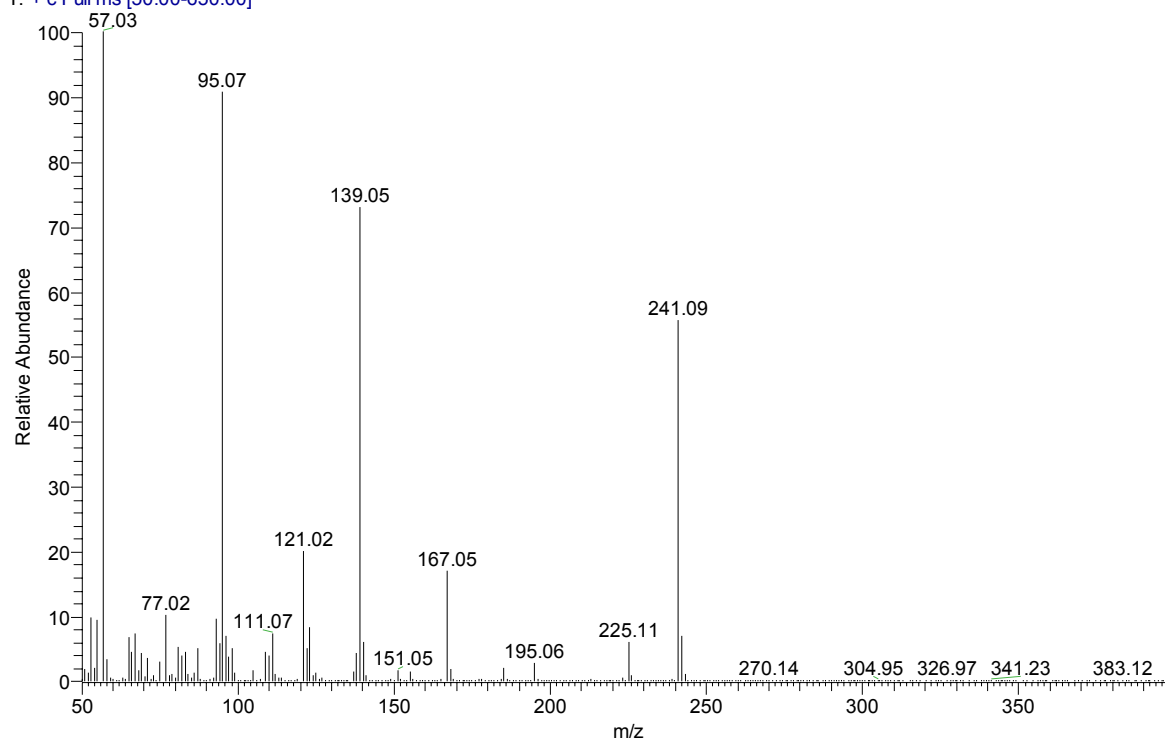


Pure ketal 3:

RT: 0.00 - 15.01



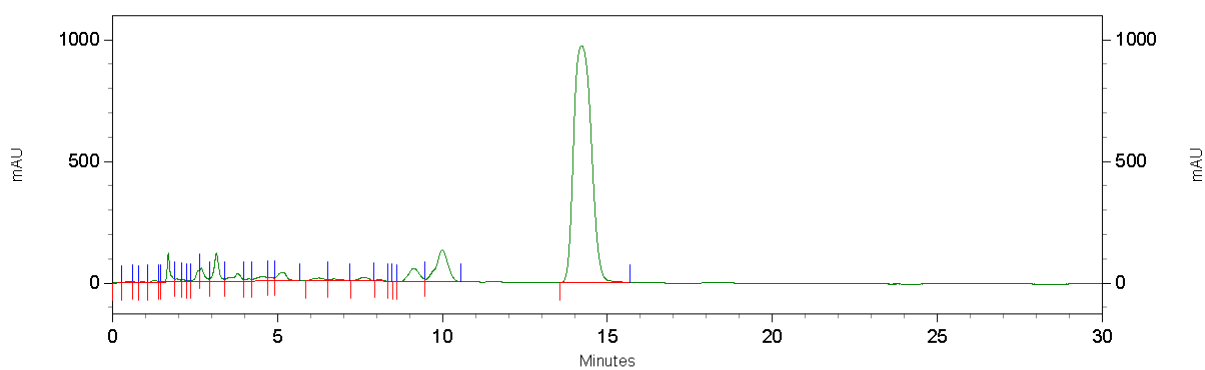
Ketal1 #372 RT: 10.56 AV: 1 NL: 1.60E8
T: + c Full ms [50.00-650.00]



5. Fig. S5: HPLC traces of crude ketal 3 after extraction from biomass (top) and analytical standard for comparison (bottom)

Crude ketal **3** after extraction from biomass:

UV (210nm) :



Pure ketal **3**:

UV (210nm) :

