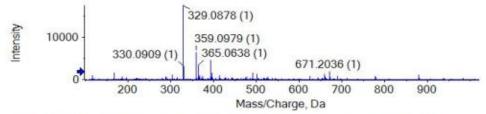


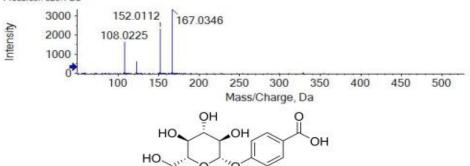
Figure S1. The total ion current chromatogram of BPIS.

(1) vanillic acid 4-O-β-D-glucopyranoside

Spectrum from SA-MI-NEG2.wiff (sample 1) - Sample001, Experiment 1, -TOF MS (100 - 2000) from 4.720 min



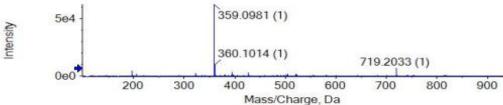
Spectrum from SA-MI-NEG2.wiff (sample 1) - Sample001, Experiment 3, -TOF MS^2 (50 - 2000) from 4.763 min Precursor: 329.1 Da



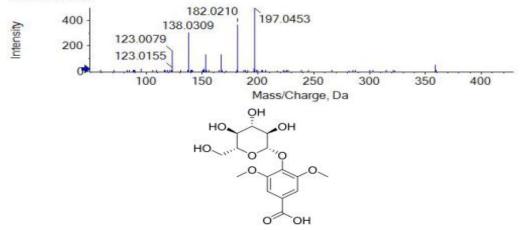
Chemical Formula: C₁₄H₁₈O₉ Exact Mass: 330.09508

(2) glucosyringic acid

Spectrum from SA-MI-NEG2.wiff (sample 1) - Sample001, Experiment 1, -TOF MS (100 - 2000) from 5.568 min



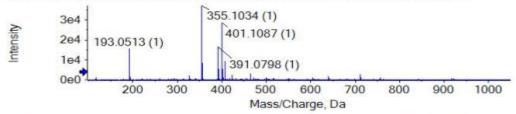
Spectrum from SA-MI-NEG2 wiff (sample 1) - Sample001, Experiment 8, -TOF MS^2 (50 - 2000) from 5.504 min Precursor: 359.1 Da



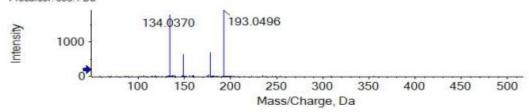
Chemical Formula: C₁₅H₂₀O₁₀ Exact Mass: 360.10565

(3) ferulic acid 4-O-β-D-glucopyranoside

Spectrum from SA-MI-NEG2.wiff (sample 1) - Sample001, Experiment 1, -TOF MS (100 - 2000) from 7.003 min



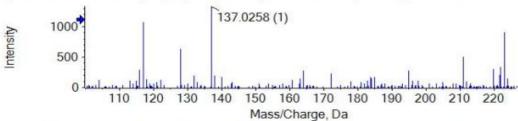
Spectrum from SA-MI-NEG2.wiff (sample 1) - Sample001, Experiment 3, -TOF MS^2 (50 - 2000) from 7.008 min Precursor: 355.1 Da



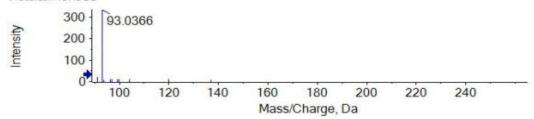
Chemical Formula: C₁₆H₂₀O₉ Exact Mass: 356.11073

(4) 4-Hydroxybenzoic acid

Spectrum from SA-MI-NEG2.wiff (sample 1) - Sample001, Experiment 1, -TOF MS (100 - 2000) from 7.428 min



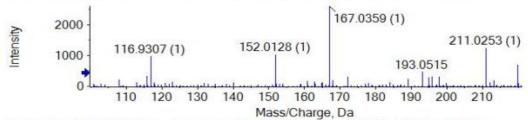
Spectrum from SA-MI-NEG2.wiff (sample 1) - Sample001, Experiment 2, -TOF MS^2 (50 - 2000) from 7.431 min Precursor: 137.0 Da



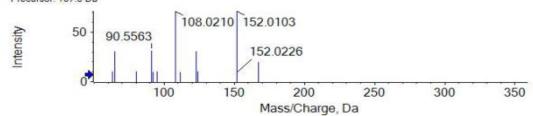
Chemical Formula: C₇H₆O₃ Exact Mass: 138.03169

(5) Vanillic acid

Spectrum from SA-MI-NEG2.wiff (sample 1) - Sample001, Experiment 1, -TOF MS (100 - 2000) from 8.523 min



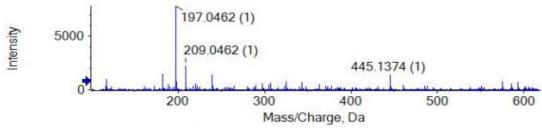
Spectrum from SA-MI-NEG2.wiff (sample 1) - Sample001, Experiment 3, -TOF MS^2 (50 - 2000) from 8.508 min Precursor: 167.0 Da



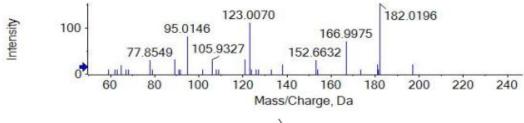
Chemical Formula: C₈H₈O₄ Exact Mass: 168.04226

(6) Syringic acid

Spectrum from SA-MI-NEG2.wiff (sample 1) - Sample001, Experiment 1, -TOF MS (100 - 2000) from 8.972 min



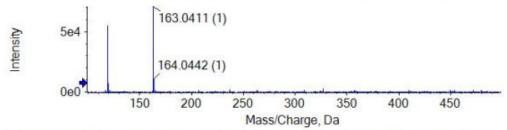
Spectrum from SA-MI-NEG2.wiff (sample 1) - Sample001, Experiment 3, -TOF MS^2 (50 - 2000) from 8.897 min Precursor: 197.0 Da



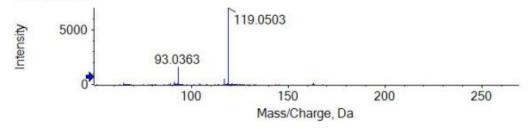
Chemical Formula: C₉H₁₀O₅ Exact Mass: 198.05282

(7) p-Coumaric acid

Spectrum from SA-MI-NEG2.wiff (sample 1) - Sample001, Experiment 1, -TOF MS (100 - 2000) from 10.840 min



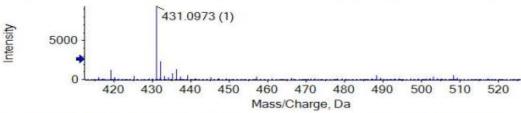
Spectrum from SA-MI-NEG2.wiff (sample 1) - Sample001, Experiment 3, -TOF MS^2 (50 - 2000) from 10.750 min Precursor: 163.0 Da



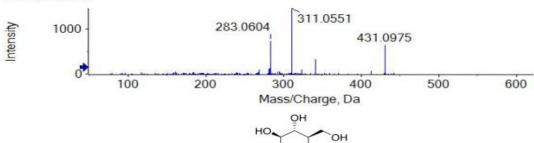
Chemical Formula: C₉H₈O₃ Exact Mass: 164.04734

(8) Vitexin

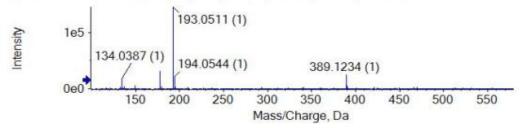
Spectrum from SA-MI-NEG2.wiff (sample 1) - Sample001, E...ment 1, -TOF MS (100 - 2000) from 11.305 to 11.343 min



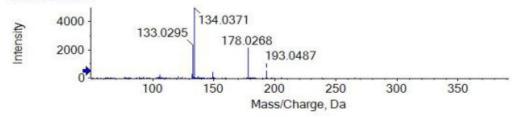
Spectrum from SA-MI-NEG2.wiff (sample 1) - Sample001, Experiment 8, -TOF MS^2 (50 - 2000) from 11.318 min Precursor: 431.1 Da



Chemical Formula: C₂₁H₂₀O₁₀ Exact Mass: 432.10565 Spectrum from SA-MI-NEG2.wiff (sample 1) - Sample001, Experiment 1, -TOF MS (100 - 2000) from 11.670 min



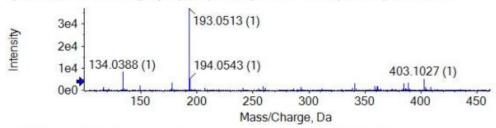
Spectrum from SA-MI-NEG2 wiff (sample 1) - Sample001, Experiment 4, -TOF MS^2 (50 - 2000) from 11.676 min Precursor: 193.1 Da



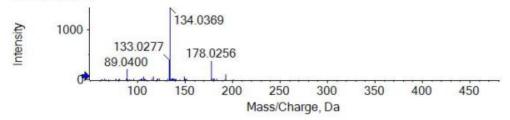
Chemical Formula: C₁₀H₁₀O₄ Exact Mass: 194.05791

(10) Isoferulic acid

Spectrum from SA-MI-NEG2.wiff (sample 1) - Sample001, Experiment 1, -TOF MS (100 - 2000) from 12.352 min

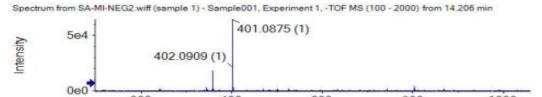


Spectrum from SA-MI-NEG2.wiff (sample 1) - Sample001, Experiment 4, -TOF MS^2 (50 - 2000) from 12.320 min Precursor: 193.1 Da



Chemical Formula: C₁₀H₁₀O₄ Exact Mass: 194.05791

(11) biferulic acid



600

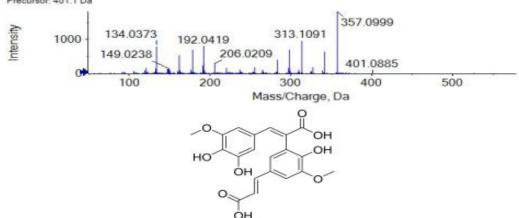
Mass/Charge, Da

800

1000

Spectrum from SA-MI-NEG2 wiff (sample 1) - Sample001, Experiment 6, -TOF MS*2 (50 - 2000) from 14,158 min Precursor; 401.1 Da

400

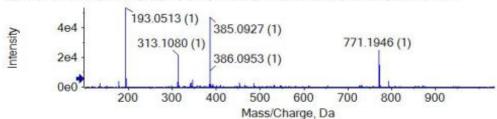


Chemical Formula: C20H18O9 Exact Mass: 402.09508

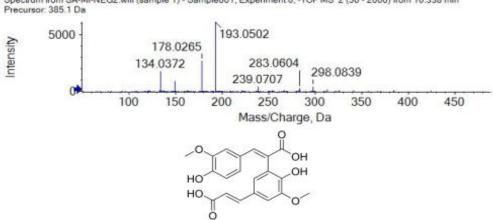
(12) 4,4'-dihydroxy-3,5'-dimethoxy, 3'-bicinnamic acid

200

Spectrum from SA-MI-NEG2.wiff (sample 1) - Sample001, Experiment 1, -TOF MS (100 - 2000) from 16.386 min



Spectrum from SA-MI-NEG2.wiff (sample 1) - Sample001, Experiment 6, -TOF MS^2 (50 - 2000) from 16.338 min Precursor: 385.1 Da



Chemical Formula: C₂₀H₁₈O₈ Exact Mass: 386.10017

Figure S2. Mass spectrum and structural formula of BPIS components.