Supplementary Materials

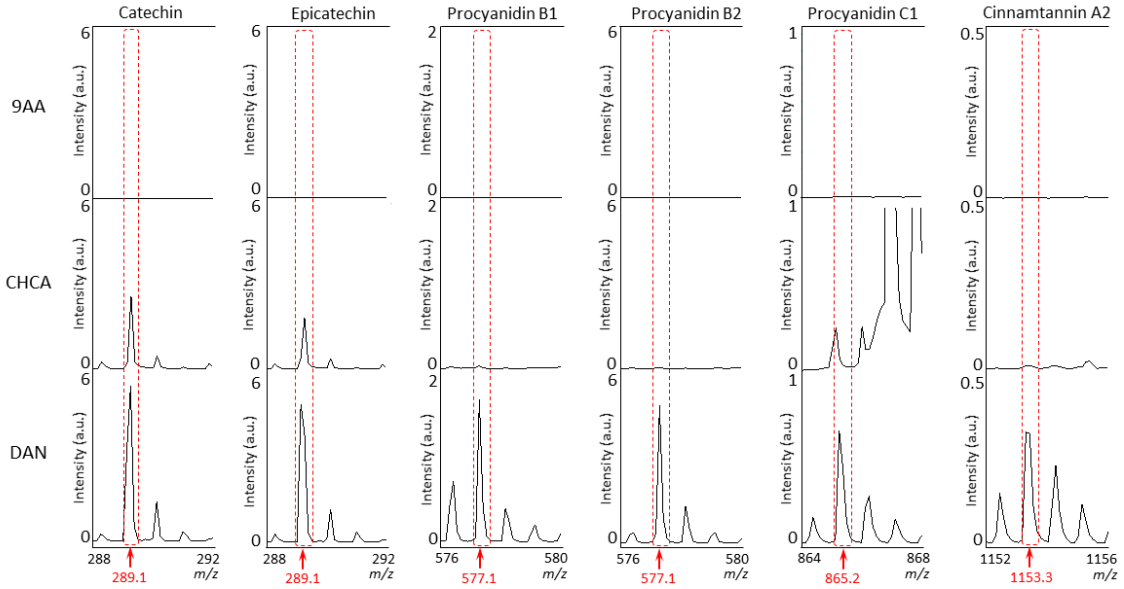

Figure S1. Mass spectra of flavan-3-ol standards by matrix-assisted laser desorption/ionization-mass spectrometry imaging. Catechin, epicatechin, procyanidin B1, procyanidin B2, procyanidin C1, and cinnamtannin A2 standards were measured using 9-aminoacridine (9AA), α-cyano-4-hydroxycinnamic acid (CHCA), and 1,5-diaminonaphthalene (DAN) in the negative ion mode. The standards were detected as the $[M - H]^-$ ion. Red dotted lines indicate each frava-3-ol standard peak.

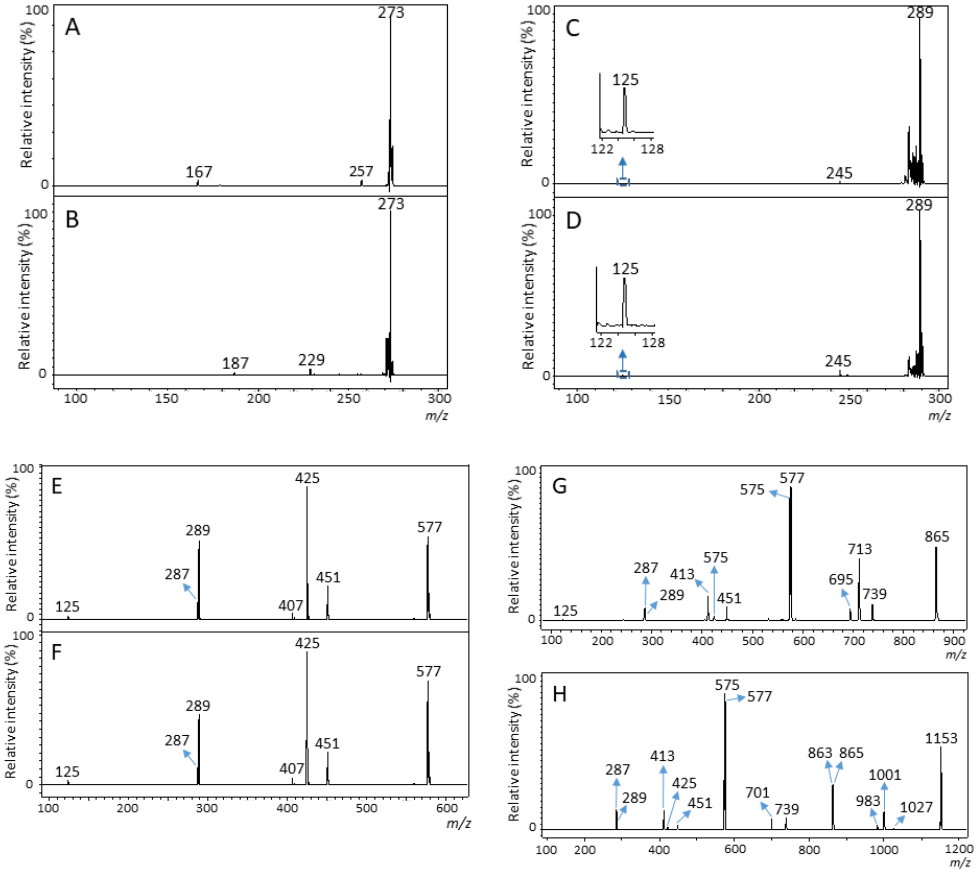

Figure S2. Matrix-assisted laser desorption/ionization-tandem mass spectrometry (MS/MS) analyses of flavan-3-ol standards. Representative MS/MS spectra of the (A) afzelechin standard $[M - H]^-$ ion, (B) precursor ion at *m*/*z* 273 with a strawberry section, (C) catechin standard $[M - H]^-$ ion, (D) epicatechin standard $[M - H]^-$ ion, (E) procyanidin B1 standard $[M - H]^-$ ion, (F) procyanidin B2 standard $[M - H]^-$ ion, (G) procyanidin C1 standard $[M - H]^-$ ion, and (H) cinnamtannin A2 standard $[M - H]^-$ ion. MS/MS spectra were obtained using ultrafleXtreme instrument operated in the collision-induced dissociation "LIFT" MS/MS.

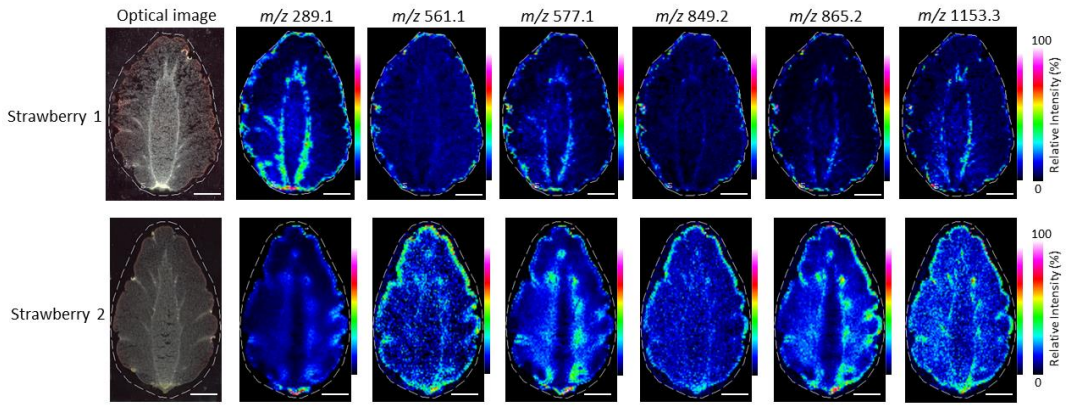

Figure S3. Representative ion images of the identified flavan-3-ol species in strawberry fruit by matrix-assisted laser desorption/ionization-mass spectrometry imaging. These ion images were obtained from two strawberry fruits different from that shown in Figure 2. The dotted white line shows the analyzed region. Scale bar = 5 mm.