

Supplementary File:

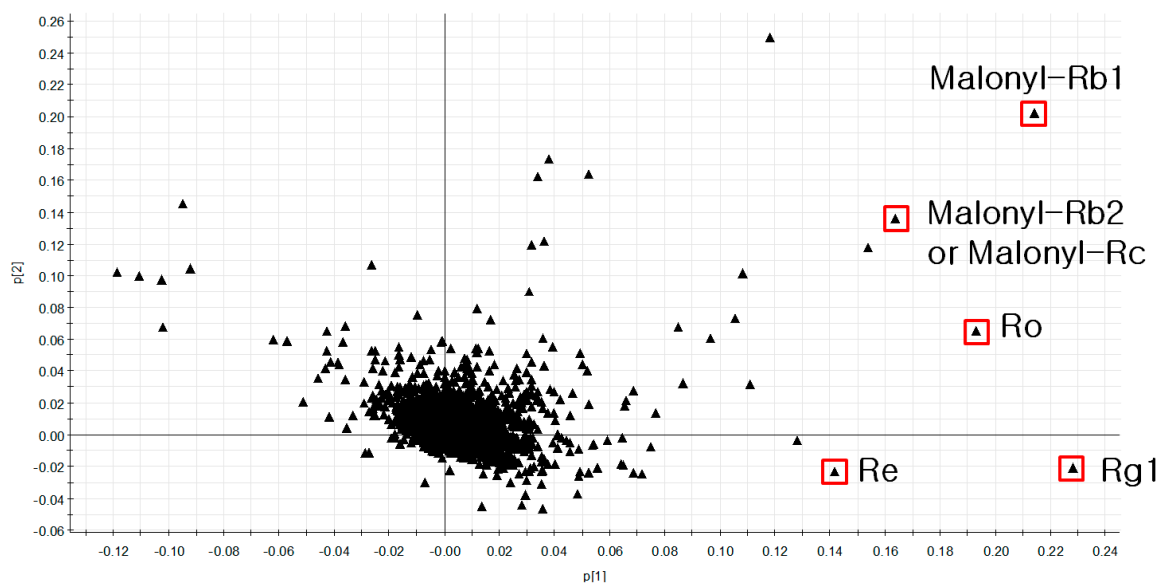


Figure S1. Principal component analysis loading plot of ginsenoside extracts from the ginseng roots, cultivated for 4, 5, and 6 years. Several points, the main variables having m/z _RT pairs, were identified as follows: m/z 845.489_5.38 (Rg1), m/z 955.489_15.82 (Ro), m/z 991.546_5.69 (Re), m/z 1193.594_15.35 (malonyl-Rb1), and m/z 1163.583_17.23 (malonyl-Rb2 or malonyl-Rc).

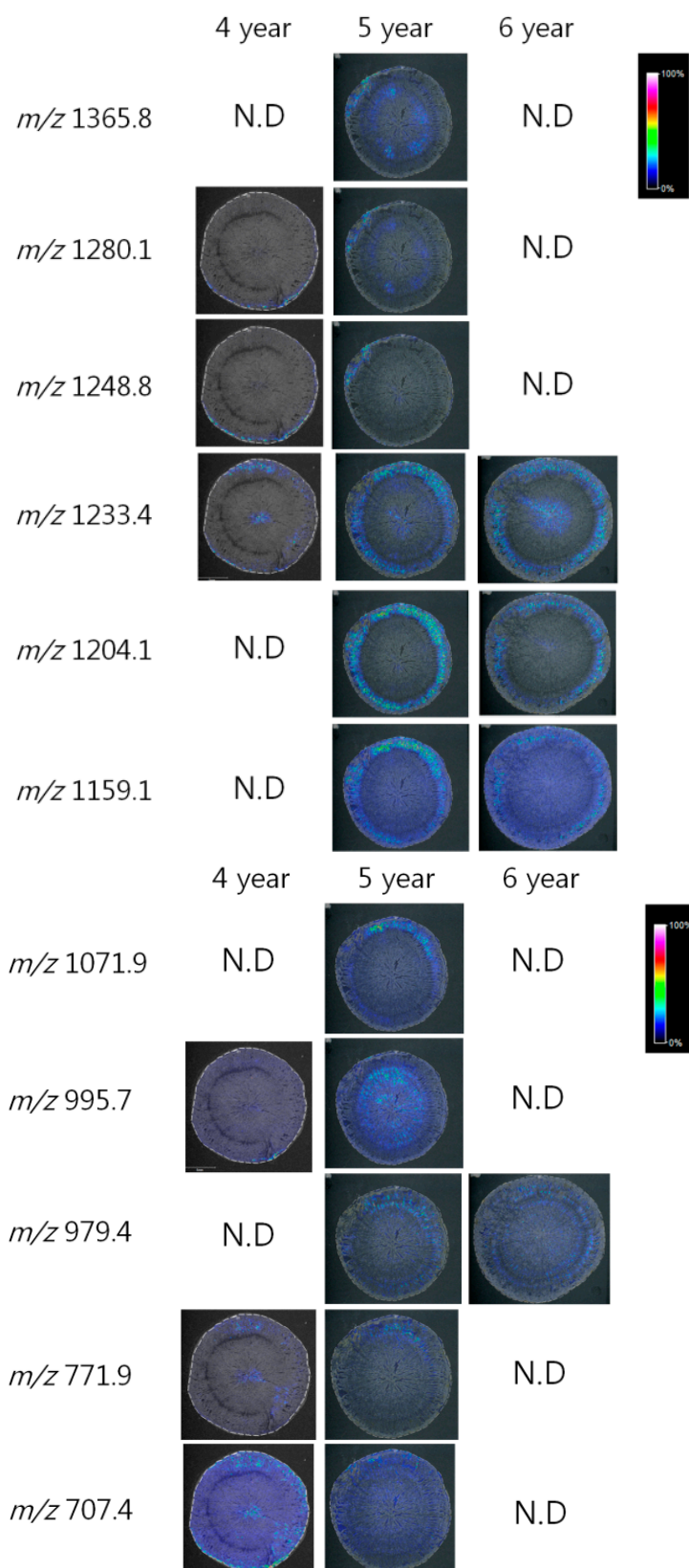


Figure S2. MALDI-MSI cross sections showing the localization of unknown ions having different m/z values (m/z 1365.8, m/z 1280.1, m/z 1248.8, m/z 1233.4, m/z 1204.1, m/z 1159.1, m/z 1071.9, m/z 995.7, m/z 979.4, m/z 771.9, m/z 707.4) from ginseng roots cultivated for 4, 5, and 6 years.