Figure S1. Overlay ^{1}H NMR spectra of the three dried *P. niruri* extracts
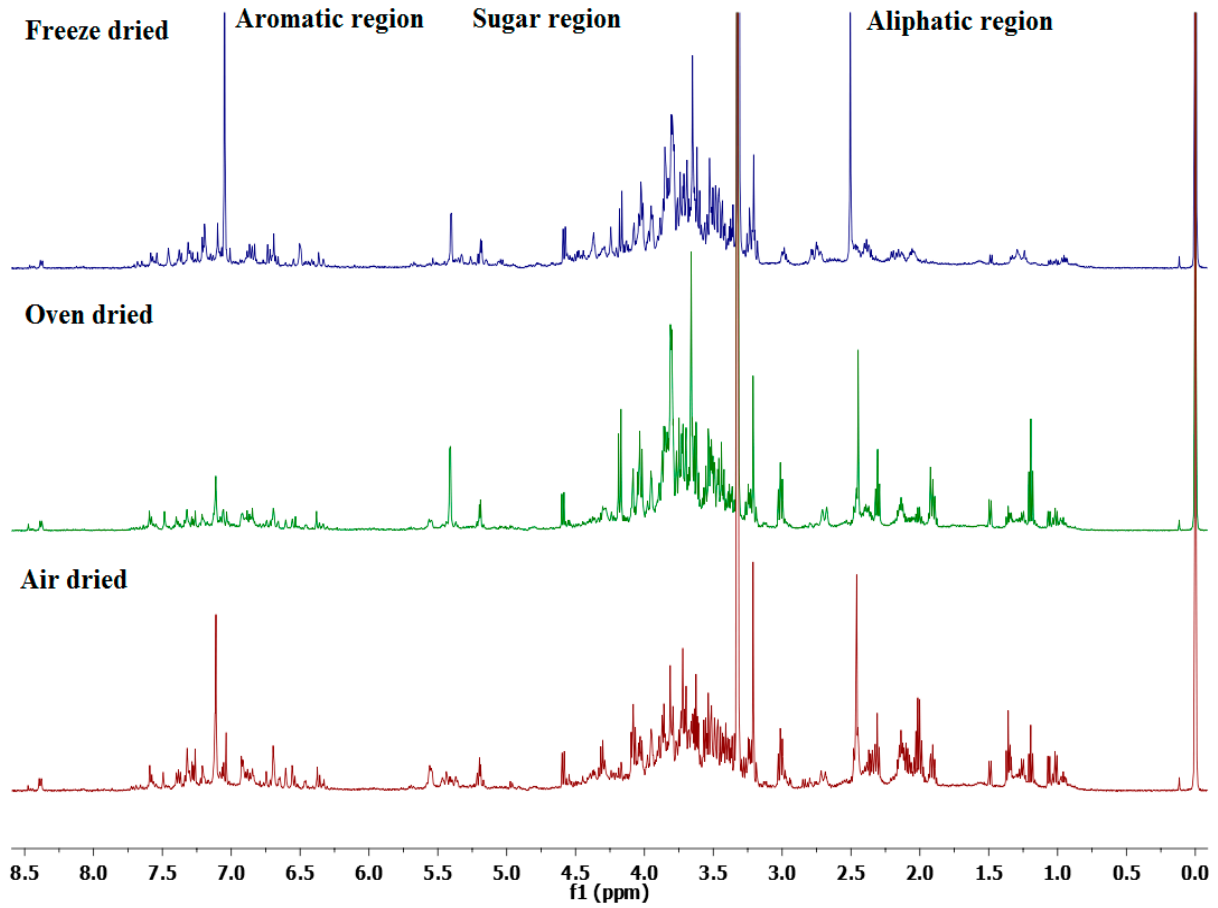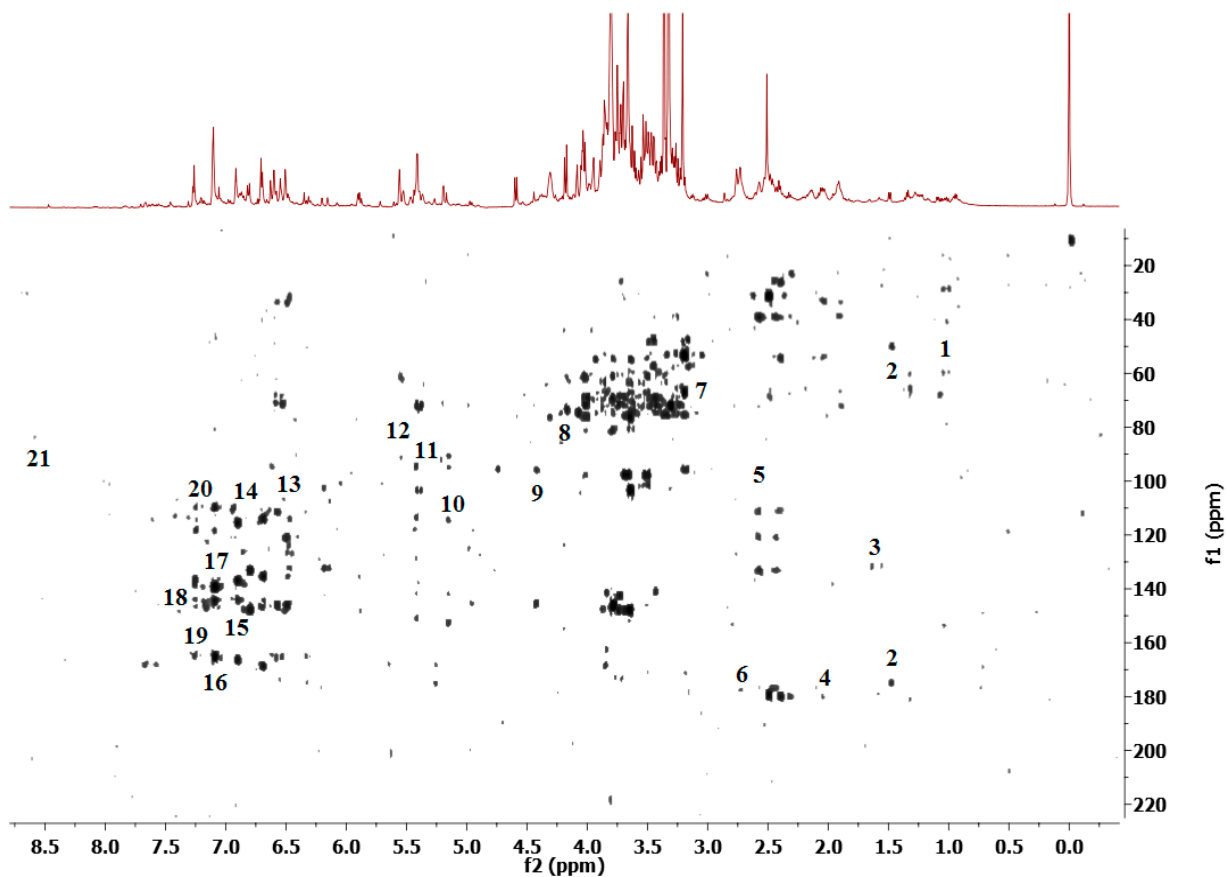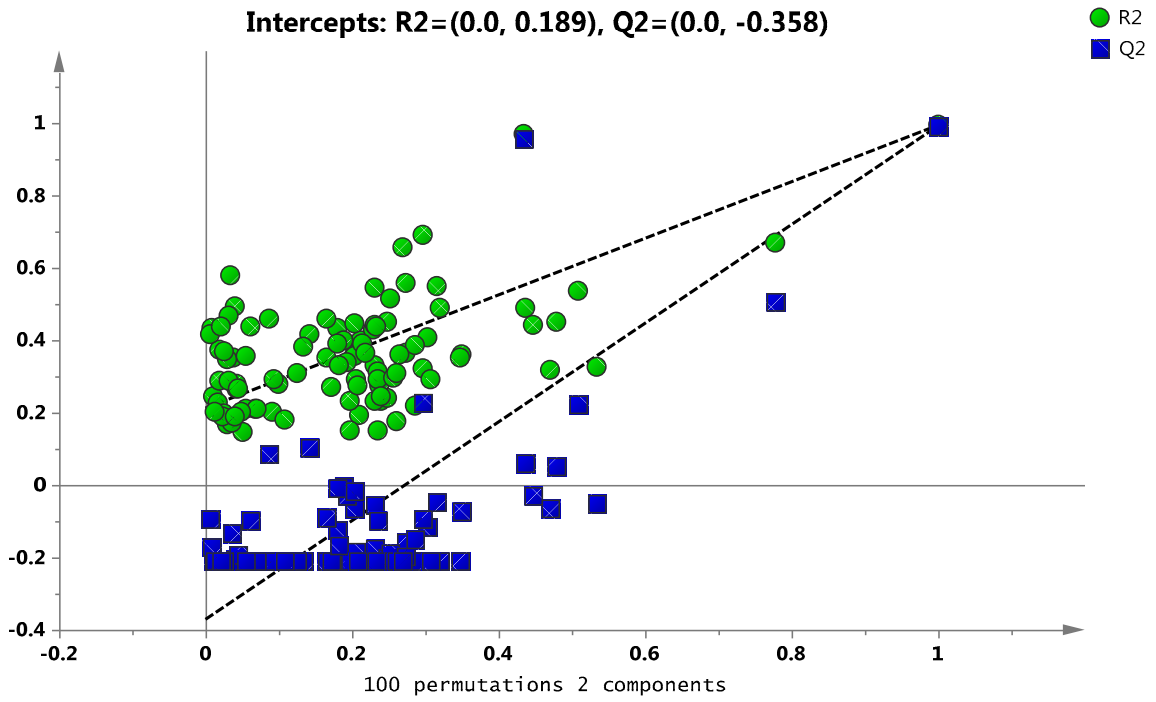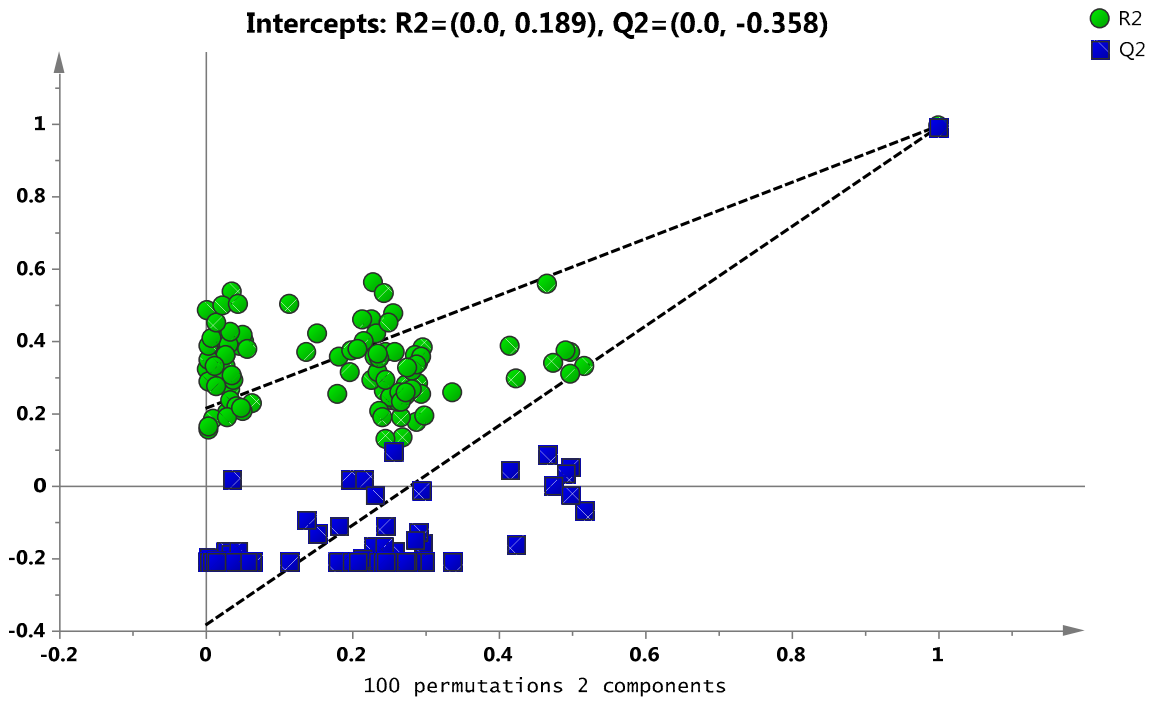
Figure S2. Representative HMBC spectra of *P. niruri* extract

Assignments: 1, Leucine; 2, alanine; 3, valine; 4, acetic acid; 5, catechin; 6, malic acid; 7, choline; 8, fructose; 9, β-glucose; 10, α-glucose; 11, sucrose; 12, hypophyllanthin; 13, rutin; leucine; 14, phyllanthin; 15, epicatechin; 16, caffeic acid; 17, quercetin derivatives; 18, ellagic acid; 19, gallic acid; 20, chlorogenic acid; and 21, formic acid

DPPH

Intercepts: R2=(0.0, 0.189), Q2=(0.0, -0.358)

100 permutations 2 components

FRAP

Intercepts: R2=(0.0, 0.189), Q2=(0.0, -0.358)
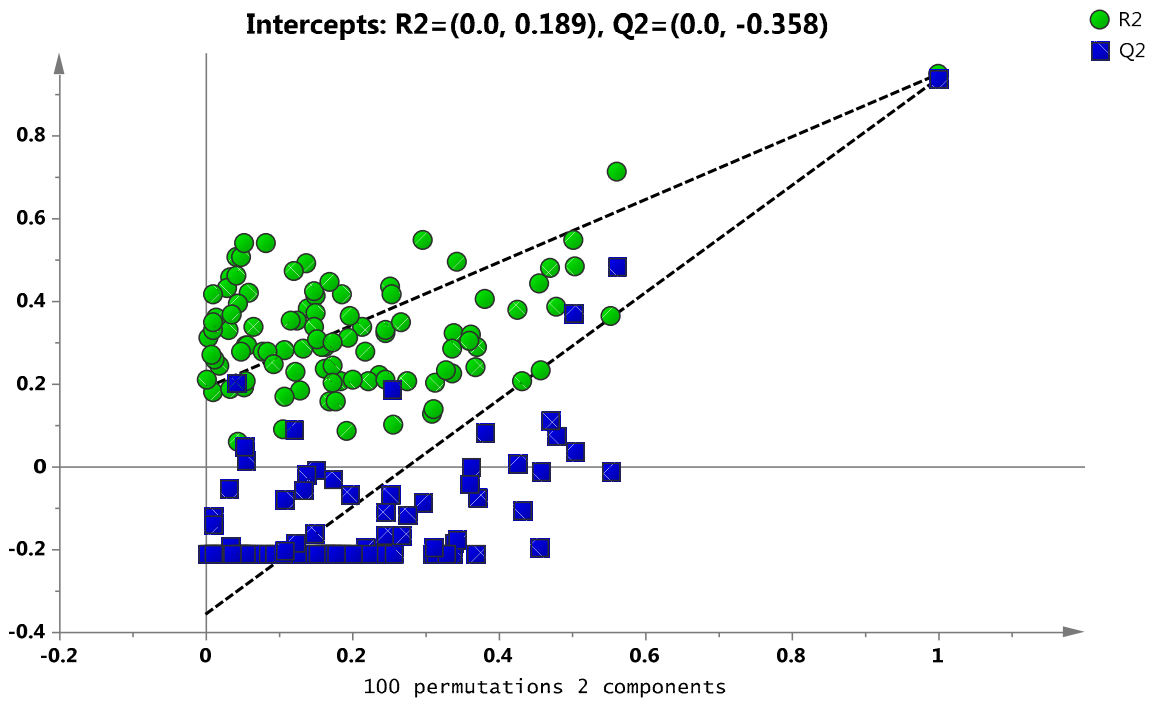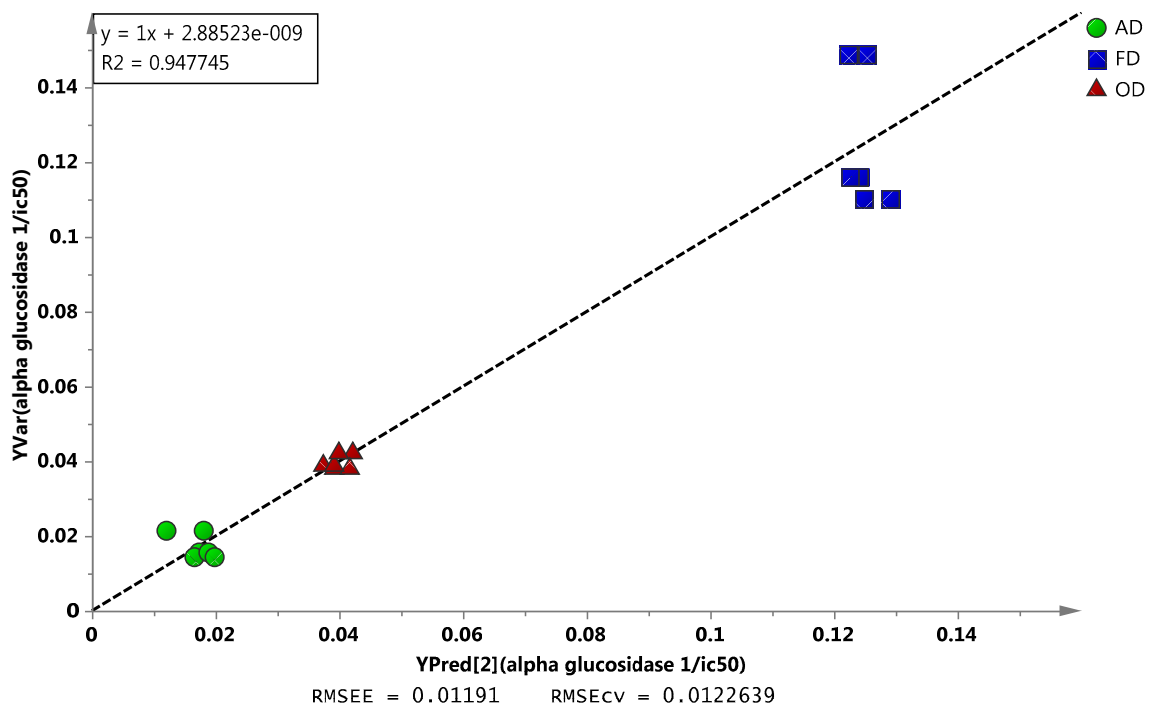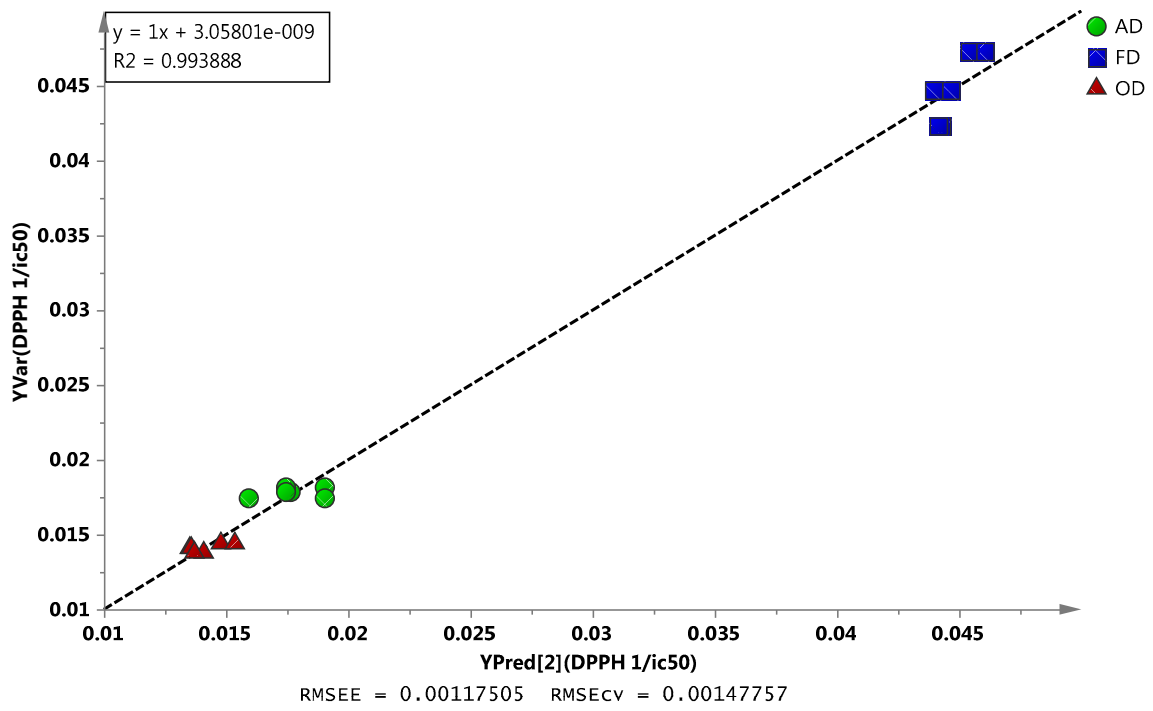

100 permutations 2 components

Alpha glucosidase

Figure S3. The permutations for validation of partial least square (PLS) model

y = 1x + 3.05801e-009
R2 = 0.993888

YVar(DPPH 1/ic50)

YPred[2](DPPH 1/ic50)

AD
FD
OD

RMSEE = 0.00117505   RMSEcv = 0.00147757

y = 1x + 2.88523e-009
R2 = 0.947745

YVar(alpha glucosidase 1/ic50)

YPred[2](alpha glucosidase 1/ic50)

AD
FD
OD

RMSEE = 0.01191   RMSEcv = 0.0122639
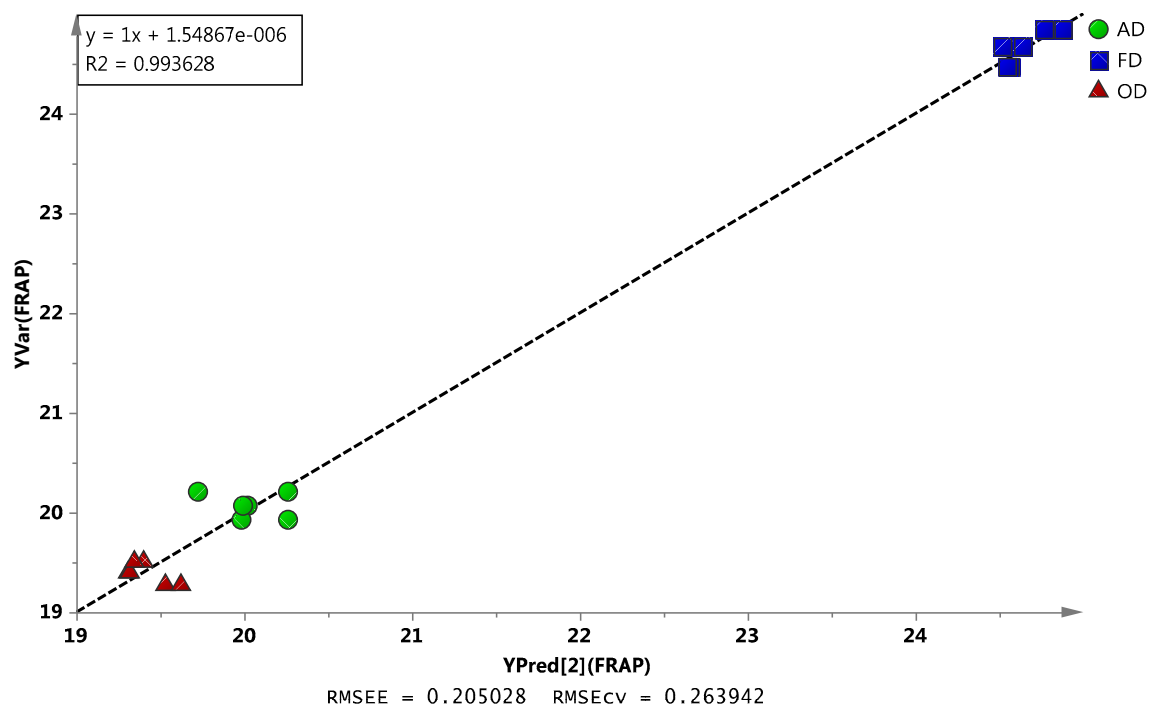
AD – Air drying; OD – Oven drying; FD – Freeze drying

Figure S4. Observed versus predicted plots of partial least square (PLS) model