

Table S1. Method validation parameters for phenolic compounds by HPLC-DAD (Analytical curve, limits of detection (LOD) and quantification (LOQ), and Linearity).

Compounds ^a	Analytical curve	Absorbance wavelength (λ max in nm)	LOD (mg/mL)	LOQ (mg/mL)	Linearity (R ²)
Gallic acid	$y = 175,657,807.728x - 762,067.437$	280	0.018	0.055	0.982
Catechin	$y = 23,609,573.445x - 38,132.912$	280	0.007	0.021	0.997
Caffeine	$y = 95,192,334.561x + 317,642.498$	280	0.030	0.093	0.984
Caffeic acid	$y = 443,162,595.891x - 263,498.186$	280	0.003	0.011	0.998
Epigallocatechin gallate	$y = 39,028,042.430x - 50,321.872$	280	0.010	0.031	0.993
Chlorogenic acid	$y = 242,049,126.049x - 26,537.984$	280	0.005	0.016	0.997
Epicatechin	$y = 26,264,718.017x - 18,525.645$	280	0.010	0.031	0.993
Syringic acid	$y = 223,491,378.727x - 164,178.469$	280	0.05	0.018	0.998
p-coumaric acid	$y = 469,296,076.475x - 1,060,244.839$	280	0.014	0.043	0.986
Sinapic acid	$y = 422,664,972.800x - 44,328.913$	280	0.020	0.061	0.997
Myricetin	$y = 323,163,573.044x + 67,209.101$	360	0.003	0.011	0.999

^aConcentration range 0-0.2 mg/mL

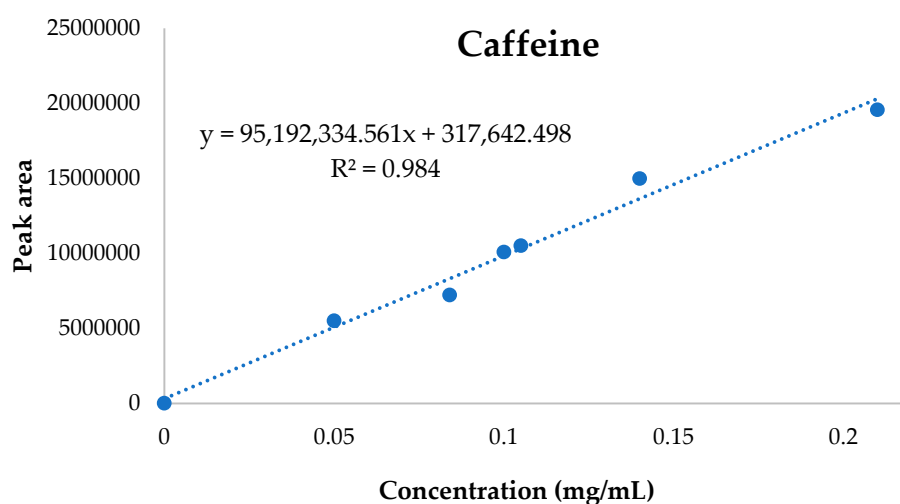


Figure S1. Graphical representation (n=2 replicates) of the calibration curve of caffeine.