





Figure S1. Representative MRM chromatograms of standard mixture: Anthracene-9-carboxylic acid (AN), Ferulic acid (FE), Kaemferol (KAM), Quercetin (KVE), Salicylic acid (SA), Sinapic acid (SIN) (upper), and representative MRM chromatograms of kale (*Brassica oleracea* var. *acephala*) (lower).

Table S1. List of phenolic compounds and used internal standard (anthracene-9-carboxylic acid) determined by UPLC–MS/MS, and the MRM transitions of precursor to product ion pairs.

Compound (Abbreviation)	MRM (<i>m/z</i>)
<i>cis, trans</i> - Sinapic acid (SiA)	223.0 -> 164.0
<i>trans</i> -Ferulic acid (FA)	193.0 -> 178.0
Salicylic acid (SA)	137.0 -> 93.0
Quercetin (QUE)	301.0 -> 151.0
Kaemferol (KAE)	285.0 -> 93.0
Anthracene-9-carboxylic acid (AN)	221.0 -> 177.0