

Table S1. Correlation between antioxidants content (total polyphenols, total flavonoids total anthocyanins, total carotenoids) in flowers of *Agastache aurantiaca* and their radical scavenger activity (DPPH-assay and FRAP-assay)

		Equation	R ²
FRAP	DPPH	$y = -286,79x + 382,74$	R ² = 0,8385
FRAP	total polyphenols	$y = 13,449x - 33,246$	R ² = 0,9855
DPPH	total polyphenols	$y = -0,0408x + 1,3026$	R ² = 0,8917
FRAP	total Flavonoids	$y = 14,107x - 12,658$	R ² = 0,9775
DPPH	total Flavonoids	$y = -0,0431x + 1,2454$	R ² = 0,8944
FRAP	total anthocyanins	$y = 0,7139x + 101,07$	R ² = 0,3868
DPPH	total anthocyanins	$y = -0,003x + 1,1087$	R ² = 0,6495
FRAP	total carotenoids	$y = -1,5225x + 542,86$	R ² = 0,3096
DPPH	total carotenoids	$y = 84,366x + 136,78$	R ² = 0,5433

Table S2: Bivariate correlation test in the main compounds.

	Pearson correlation	Sig. (2-tailed)
Caryophyllene	-0.618	0.057
Eugenol	0.597	0.068
Piperitone	0.763	0.010*
Mentufurane	-0.014	0.970
Piperitenone	0.332	0.348
Hedione	0.401	0.174
1-Cyclohexene-1-carboxaldehyde, 4-hydroxy-2,6,6-trimethyl-3-oxo-	0.584	0.076
Octy ether	0.459	0.133
1,4-Dimethyl-4-acetylcyclohexene	0.599	0.067

* Correlation is significant at the 0.05 level (2-tailed).