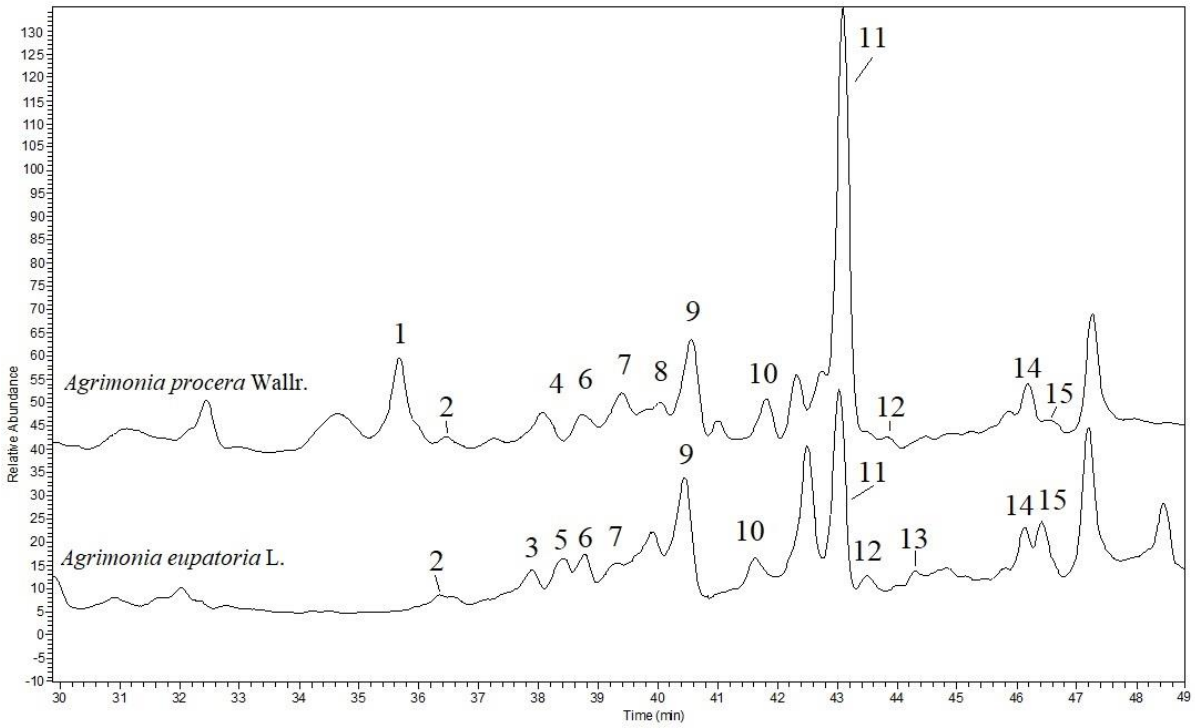

Figure S1. UHPLC-ESI-MS chromatograms of *Agrimonia procera* Wallr. and *Agrimonia eupatoria* L. leaves extract. Peak numbers correspond to Table 1.

Table S1. Eigenvalues and eigenvectors from PCA analysis for *Agrimonia procera* Wallr.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**	**PC6**
Eigenvalues	8.73	1.30	0.54	0.18	0.16	0.06
Proportion of total variance	79.39	11.86	4.91	1.64	1.43	0.56
Cumulative proportion of total variance	79.39	91.25	96.16	97.81	99.24	99.80
Eigenvectors						
Compound			PC1		PC2	
Agrimoniin			0.549058		0.558452	
Ellagic acid			-0.015257		-0.923788	
Quercetin arabinoglycoside			-0.966533		-0.118485	
Quercetin 3-O-rhamnoglucoside			-0.970366		-0.058606	
Quercetin 3-O-galactoside			-0.949280		-0.155712	
Keampferol 3-O glucoside			-0.977404		0.155143	
Sum of kaempferol-3-O-β-d-(6″-E-pcoumaroyl)-glucopyranoside isomer			-0.956959		0.024811	
Luteolin 7-O-glucuronide			-0.993645		0.053699	
Luteolin 7-O-glucoside			-0.960692		0.061087	
Apigenin 7-O-glucuronide			-0.971336		0.177226	
Apigenin 7-O-glucoside			-0.964197		0.187047	

Table S2. Eigenvalues and eigenvectors from PCA analysis for *Agrimonia eupatoria* L.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**	**PC6**
Eigenvalues	9.09	1.41	0.51	0.38	0.34	0.11
Proportion of total variance	75.78	11.77	4.27	3.19	2.83	0.89
Cumulative proportion of total variance	75.78	87.55	91.82	95.01	97.84	98.73
Eigenvectors						
Compound		PC1		PC2		
Agrimoniin		-0.404565		-0.785010		
Ellagic acid		0.461876		-0.766948		
Quercetin 3-O-rhamnoglucoside		-0.904345		0.157717		

Quercetin 3-O-galactoside	-0.828027	-0.027387
Quercetin 3-O-rhamnoside	-0.989227	0.033654
Sum of kaempferol-3-O-β-d-(6″-E-pcoumaroyl)-glucopyranoside isomer	-0.928683	-0.095744
Luteolin 7-O-glucuronide	-0.976022	-0.053351
Luteolin 7-O-glucoside	-0.818659	0.348285
Apigenin 7-O-glucuronide	-0.974242	-0.142686
Apigenin 7-O-glucoside	-0.981983	0.021586
Apigenin 8-C-glucoside (vitexin)	-0.975031	-0.087596
Apigenin 6-C-glucoside (isovitexin)	-0.940611	-0.139067

Table S3. Analytical parameters used for quantitative analysis

	Linear range	**Calibration curves**	**R^2**	**LOD**	**LOQ**
Substance	mg/L			mg/L	mg/L
Agrimoniin	5.0 – 249.0	y = 18.190x – 4.580	0.9998	1.290	3.901
Ellagic acid	2.5 – 76.6	y = 16.736x – 25.347	0.9997	0.168	0.508
Quercetin 3-O-glucoside	4.1– 41.4	y = 19.976x – 39.975	0.9999	0.202	0.611
Quercetin 3-O-rhamnoglucoside	1.14 –11.4	y = 25.741x – 11.244	0.9997	0.219	0.663
Quercetin 3-O-galactoside	1.6 – 16.0	y = 20.33x – 18.862	0.9999	0.013	0.039
Kaempferol 3-O-glucoside	1.4 – 14.0	y = 16.234x – 11.244	0.9999	0.187	0.566
KpCG*	1.2 – 12.0	y = 10.282x – 5.400	0.9999	0.0419	0.127
Luteolin	1.23 – 12.30	y = 30.717x – 22.356	0.9999	0.019	0.058
Apigenin 7-O-glucoside	1.0 – 100.0	y = 17.314x – 26.702	0.9993	0.148	0.448

KpCG* - kaempferol-3-O-β-d-(6″-E-pcoumaroyl)-glucopyranoside (tiliroside).