Electronic supplementary information

Analysis of flavonoids by graphene-based surface-assisted laser desorption/ionization time-of-flight mass spectrometry

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Supplementary Table

Table S1. Molecular weight and structure information of analytes used in this				
study.				
name	M.W.	structure		
Quercetin 3-β-D-glucoside	464.38	OH O OH O OH O OH OH OH OH		
Kaempferol	286.24	НО ОН ОН		
Rutin trihydrate	664.56	но но но но он но но но от он но но но от он но но но от он		

Quercitrin hydrate	448.38	он
		HO HO OH
		HO
		ОН
Myricetin	318.24	OH L O
		-OH
		HO
		НО ОН
Morin Hydrate	302.24	OH OH
		ОН
		HU
		HO
		ОН
Apigenin	270.24	он о
		HO
		ОН
.	140.20	04
Isoorientin	448.38	
		HO HO OH
		OH OH
		ÓН
Esculetin	178.14	HOOO
		HO
1	I	

Isoscopoletin	192.17	HO
Scopoletin	192.17	H ₃ CO HO O O

Supplementary Figures



Fig. S1. MALDI mass spectra obtained from flavonoids standards using DHB as the matrix. Quercetin 3- β -D-glucoside (A, B), kaempferol (C, D), rutin trihydrate (E, F) and myricetin (G, H) were ionized in the positive (A, C, E, G) and negative (B, D, F, H) ion LDI-TOF MS.



Fig. S2. Picture of 3GO and 5GO dropped on the stainless steel plate.