

S8_Table. Data of Principal Component Analysis (PCA) (A) and Heatmap (B) of lipids profiles (fatty acids, phytosterols, and tocopherols), phenolic profiles (total phenols, flavonoids, and carotenoids content) and antioxidant activities (DPPH, FRAP, TOA, and KRL) of the three oils.

	SESO	SMSO	SMCSO
TPC	4.792	4.973	6.171
Flav	16.226	20.873	19.552
Cart	0.191	0.252	0.226
TOA	17.029	22.890	17.537
DPPH	6.309	6.595	2.009
FRAP	0.807	0.589	0.173
KRL(T)	137.204	237.786	143.473
KRL(G)	55.004	95.363	62.458
δ-toco	2.425	4.577	3.002
γ-toco	151.445	74.542	81.565
α-toco	215.550	400.833	551.001
∑Toco	369.420	479.952	635.568
C16:0	12.712	13.090	9.120
C18:0	5.350	5.299	13.510
∑SFA	21.942	23.199	30.030
C18:1 n-9	13.282	16.979	24.790
∑MUFA	14.584	18.517	26.570
C18:2 n-6	54.532	54.725	37.370
∑PUFA	55.028	55.832	37.710
∑UFA	69.613	74.349	64.280
Campesterol	556.087	195.687	266.298
Stigmasterol	269.951	345.965	301.945
Δ7 campesterol	93.005	140.933	135.711
Sitosterol	1861.892	1511.815	1598.607
b-amyrin	116.458	215.659	151.926
Δ7 stigmastenol	365.820	1333.318	1167.760
Cholesterol	646.170	323.113	560.541
∑phyto	4728.720	4500.004	4770.201