

Table S4. Volatile emissions of compounds detected in the headspace of nuts collected from Varnavas (NV), Fenos (NF) and Kastanitsa (NK), expressed in $\mu\text{g h}^{-1} \pm \text{SE}$.

RI ¹	RI ²	Compound	NV	NF	NK	X ²	df, n	p
864	868	o-Xylene	0.088±0.033					
932	929	α -pinene		0.013±0.011				
946	947	Camphene		0.002±0.000	0.068±0.005	3.000	1, 5	0.083
974	978	β -pinene		0.025±0.006	0.042±0.012	0.600	1, 4	0.439
981	988	6-Methyl-5-hepten-2-one		0.024±0.013				
995	990	2,2,4,6,6-Pentamethyl-heptane	0.037±0.006					
1008	1010	3- δ -carene		0.024±0.012				
1014	1016	α -Terpinene	0.022±0.004					
1020	1025	p-cymene	0.025±0.004					
1030	1029	Limonene	0.049±0.005	0.253±0.156		3.750	1, 7	0.053
1031	1030	β -phelladrene	0.025±0.005					
	1052	Alkane 1	0.011±0.001					
	1055	Unknown 1	0.003±0.001					
1059	1059	γ -Terpinene	0.043±0.009					
1086	1085	α -terpinolene	0.008±0.001					
1100	1100	Undecane	0.061±0.019					
1101	1101	Linalool		0.192±0.019	0.227±0.048	0.333	1, 5	0.564
1100	1107	n-Nonanal		0.089±0.034				
1117	1117	(E)-DMNT		0.120±0.083	0.130±0.017	<0.001	1, 5	1.000
1150	1152	Camphor		0.109±0.090				
1184	1184	4-Terpineol	0.008±0.003					
1195	1195	Methyl salicylate		0.058±0.008	0.052±0.014	0.429	1, 6	0.513
1200	1199	n-Dodecane		0.046±0.020	0.048±0.023	0.048	1, 6	0.827
1209	1209	Decanal		0.129±0.033				
	1272	Alkane 2	0.008±0.001					
1300	1300	n-Tridecane		0.029±0.025				
	1348	Alkane 3		0.042±0.025				
	1374	ester		0.055±0.024				
1374	1376	longicyclene	0.010±0.000					
1400	1400	n-Tetradecane		0.048±0.037				
1407	1409	Longifolene	0.015±0.002					
1419	1419	(E)- β -Caryophyllene	0.008±0.000	0.014±0.006	0.009±0.002	1.149	2, 10	0.563
1419	1425	β -Cedrene	0.007±0.001					
1429	1437	cis-Thujopsene	0.022±0.005					
1453	1450	(E)-Geranylacetone		0.050±0.025	0.035±0.025	0.429	1, 6	0.513
1452	1457	α -Humulene	0.010±0.001					
	1476	terpene	0.013±0.003					
1484	1480	Germacrene D	0.008±0.001		0.012±0.002	1.190	1, 6	0.275
1489	1491	β -Selinene	0.008±0.001					
1498	1497	α -Selinene	0.006±0.000					
1500	1500	Pentadecane		0.055±0.044				
1505	1504	(E,E)- α -Farnesene	0.010±0.002a ³	0.086±0.034b	0.017±0.001a,b	8.727	2, 11	0.013
1600	1600	n-hexadecane		0.051±0.040				
1640	1634	Hinesol	0.013±0.003					
	1637	terpene	0.012±0.004					
1652	1659	α -Eudesmol	0.098±0.021					
1700	1701	Heptadecane	0.048±0.027					

1800	1800	Octadecane	0.009±0.004
1828	1830	Isopropyl myristate	0.014±0.003

¹ RI: Retention Index values obtained from Adams [20] and the NIST database [21].

² RT_c: Retention Index values were calculated relative to C_{7–30} n-alkanes on a column with 5% diphenyl/95% dimethyl polysiloxane stationary phase.

³ Different letters within a row, are significantly differ based on the Kruskal–Wallis test (p = 0.05).