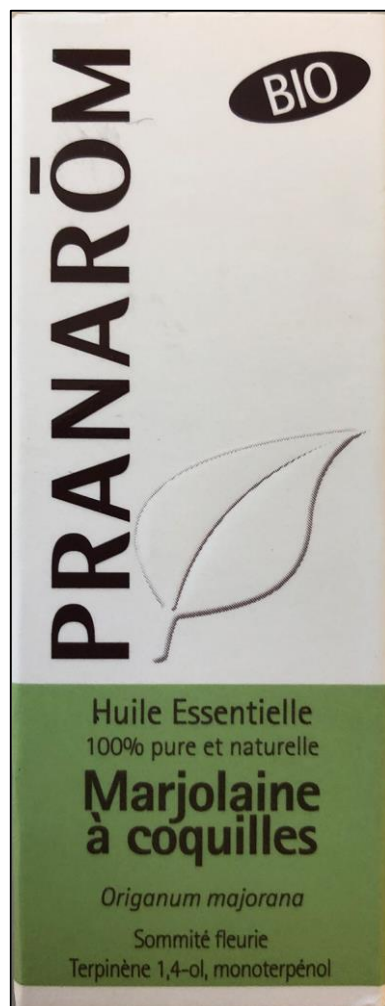


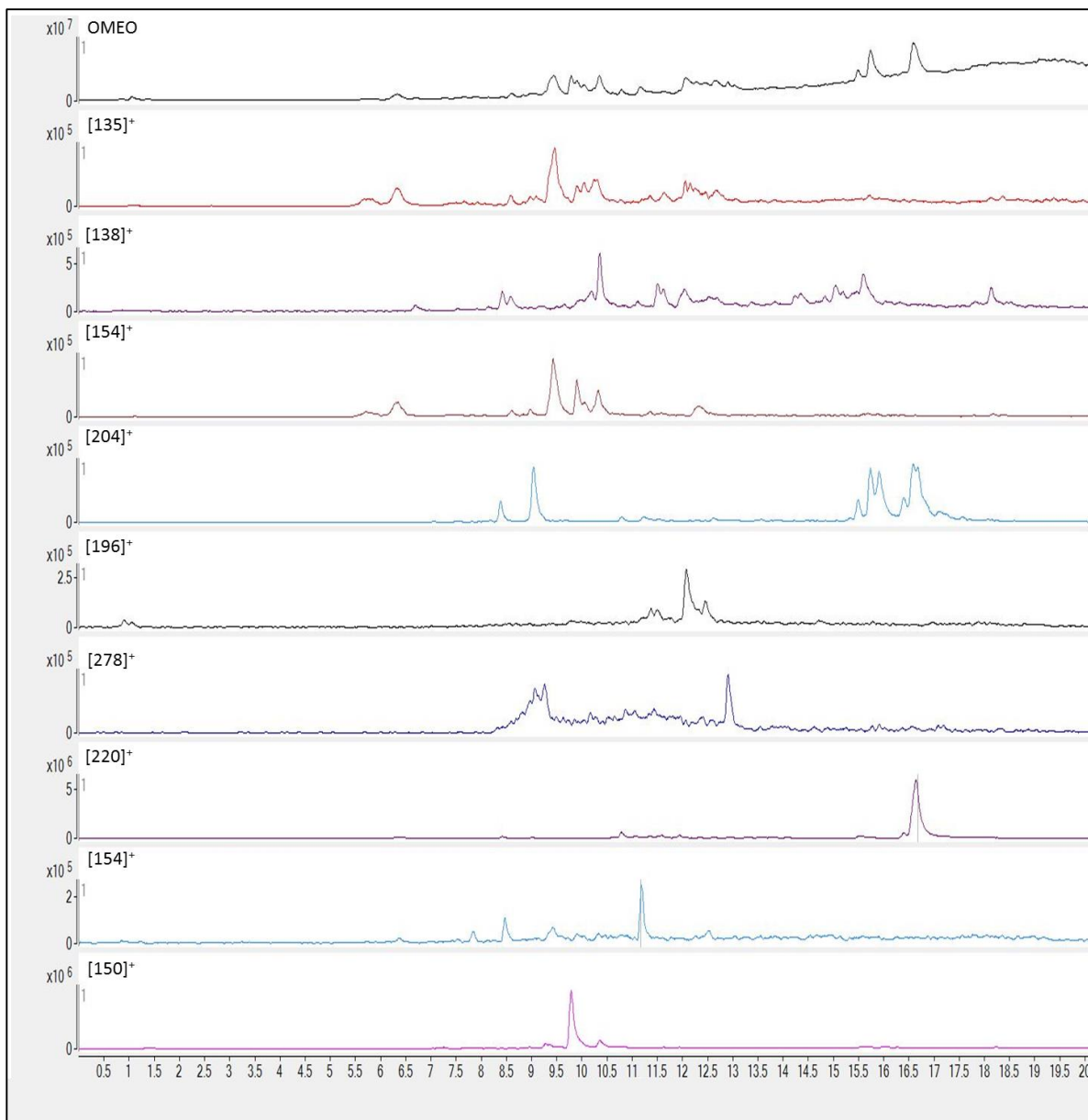
Supplementary material

***Origanum majorana* Essential Oil triggers a p38 MAPK–mediated protective autophagy, apoptosis and caspase-dependent cleavage of p70S6K in colorectal cancer cells**

Khawlah Athamneh^{1q}, Aysha Alneyadi^{1q}, Halima Alsamri^{1q}, Asma Alrashedi¹, Abdulrasheed Palakott¹, Khaled A. El-Tarabily¹, Ali Eid², Yusra Al Dhaheri¹ and Rabah Iratni^{1*}



Supplementary Figure 1. Commercial *Origanum majorana* essential oil brand used in this study.



Mass	Possible Compounds
135	Alpha-Pinene, Camphene, p-Cymol, alpha-terpinene
138	Cis-sabinene hydrate
150	Pinocarvone
154	Terpinen-4-ol, alpha-Terpinol
155	P-Meth-2-en-l-ol, Borneol
196	Terpenyl-acetate, Linalyl-acetate
204	B-Caryophyllene, Bicyclogermacrene, Viridoflorene
220	Spathulenol, Caryophyllene oxide
278	Neophytadiene

Supplementary Figure 2. Chromatograms (A) and names and mass of compounds (B) identified in OMEO by HPLC-MS.