Supporting Information

J.Chem. Metrol. **13:x (2019) xx-xx**

Investigation the fatty acid profile of commercial black cumin seed oils and seed oil capsules: Application to real samples

Selin Isik [1], Sinem Aslan Erdem[*2] and Murat Kartal[3,4]

[1] Department of Analytical Chemistry, Faculty of Pharmacy, Near East University, 99138 Nicosia, Turkish Republich of Northern Cyprus
[2] Department of Pharmacognosy, Faculty of Pharmacy, Ankara University, 06560, Ankara, Türkiye

[3] Center of Education, Practice and Research in Phytotherapy, Bezmialem Vakif University,34093, Fatih, Istanbul, Türkiye

[4]Faculty of Pharmacy, Bezmialem Vakif University,34093, Fatih, Istanbul, Türkiye

Table of Contents **Page**

[*] Corresponding author E-Mail: **sinemaslanerdem@yahoo.com**

S.1. General Procedures of Method

Table S1. Gas Chromatography conditions of black cumin oils fatty acids

GC Instrument	Agilent 6890N Network GC system
Dedector	Agilent 5973 Network Mass Selective Detector (GC-MS)
Column	Agilent 19091N–136 (HP Innowax Capillary; 60,0 m x 0,25 mm x 0,25 μm)
Carrier Gas	Helium
Flow Rate	3.3 mL/min.
Injection Volume	1 μl
Split Ratio	20:1
Injector Temperature	250°C
FID Temperature	250°C
Mass Spectrum Libraries	Wiley and NIST

Table S2. Gas Chromatography temperature program

Temperature °C	Accrual	Hold Time (min.)	Total Time(min.)
100	-	1	1
170	10	-	8
215	5	5	22
240	10	10,5	35

S.2. GC/MS Chromatograms of FAMEs

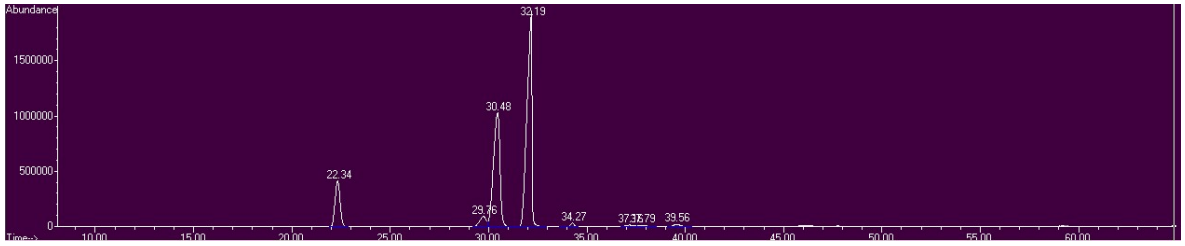

Figure S1: GC/MS chromatogram of sampe NO1

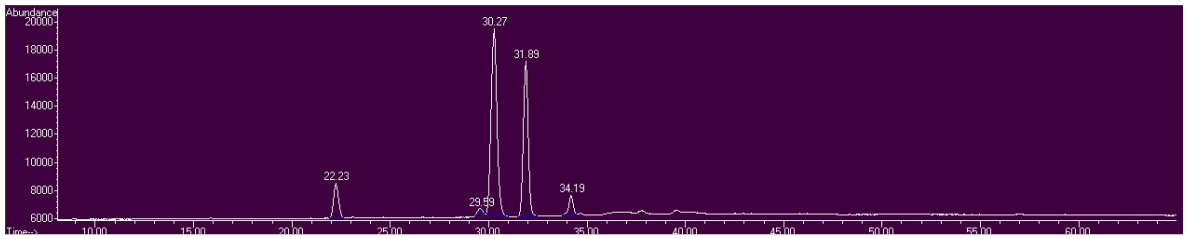

Figure S2: GC/MS chromatogram of sample NO2

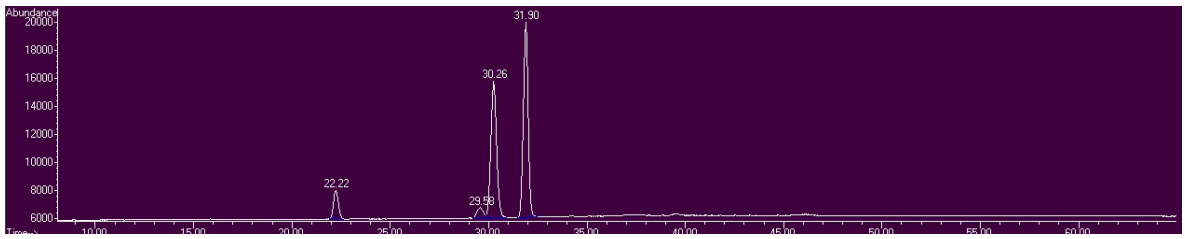

Figure S3: GC/MS chromatogram of sample NO3

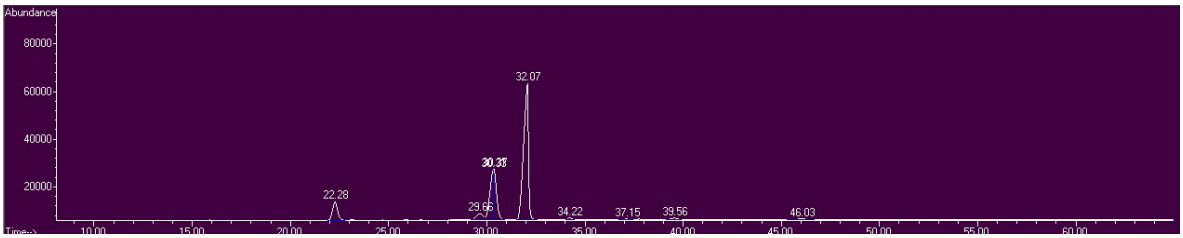

Figure S4: GC/MS chromatogram of sample NO4

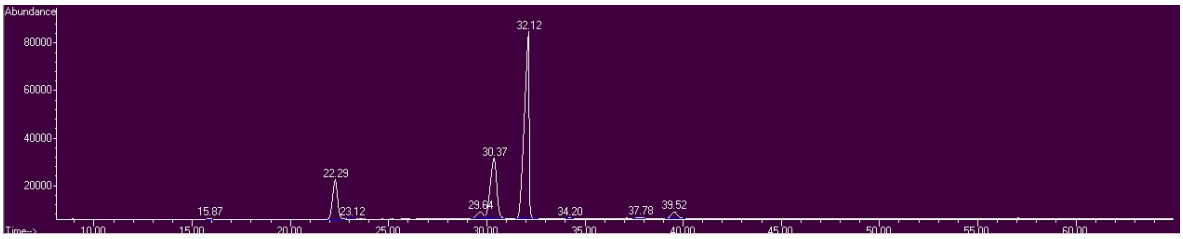

Figure S5: GC/MS chromatogram of sample NO5

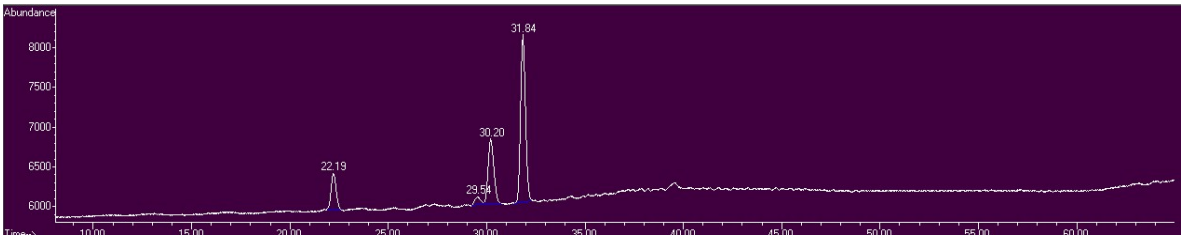

Figure S6: GC/MS chromatogram of sample NO7

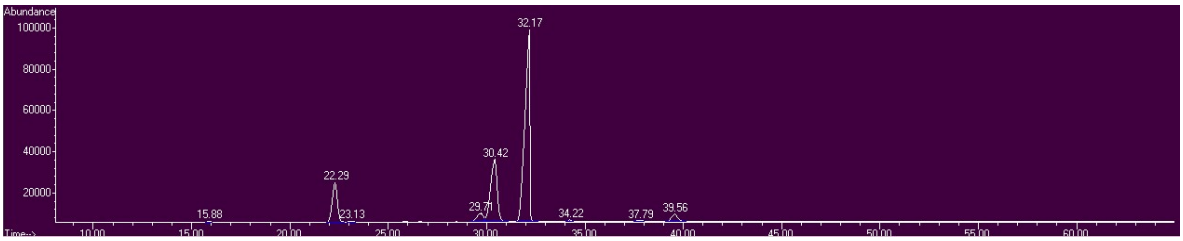

Figure S7: GC/MS chromatogram of sample NO8

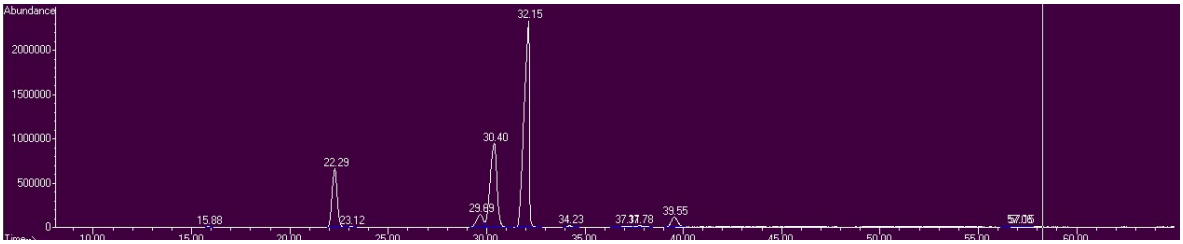

Figure S8: GC/MS chromatogram of sample NO9

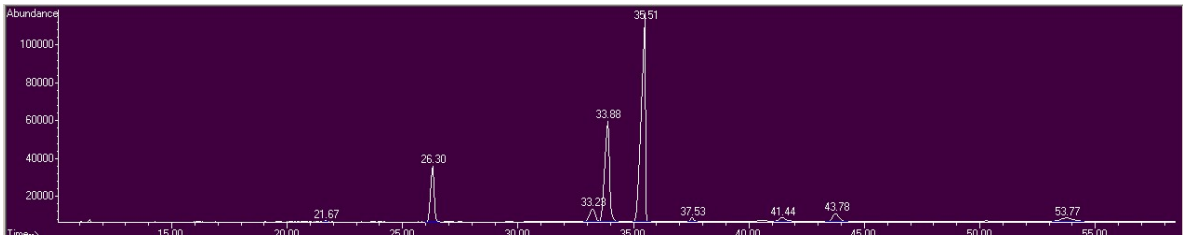

Figure S9: GC/MS chromatogram of sample NOC1

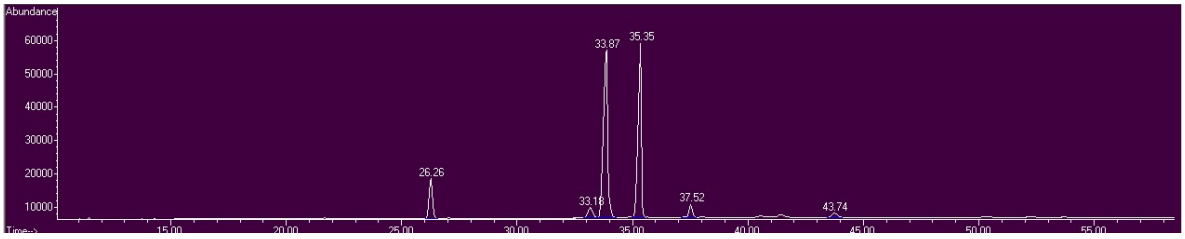

Figure S10: GC/MS chromatogram of sample NOC2

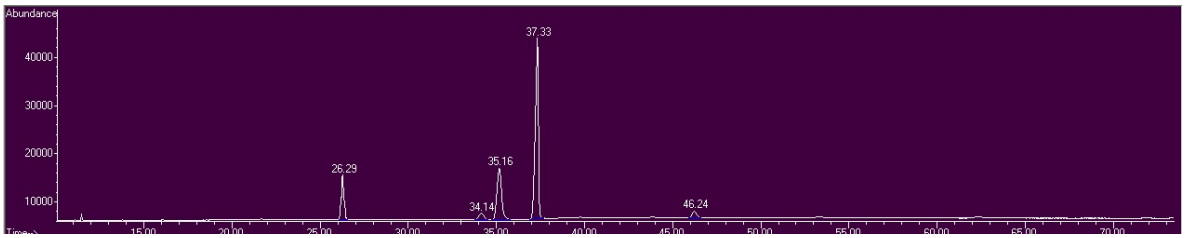

Figure S11: GC/MS chromatogram of sample NOC3

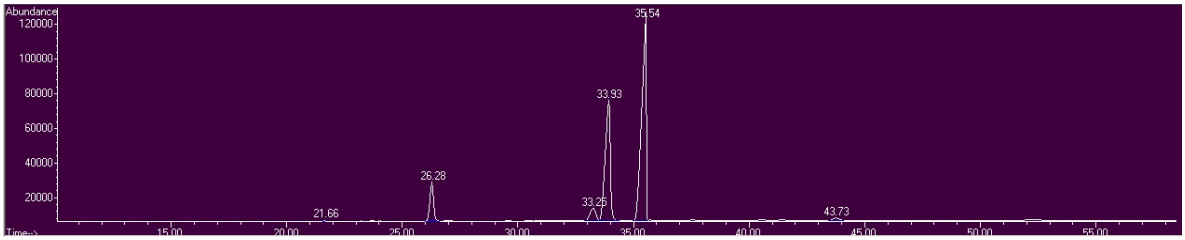

Figure S12: GC/MS chromatogram of sample NOC4

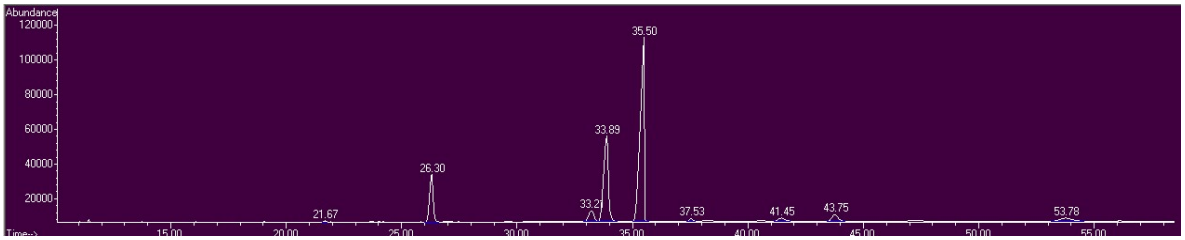

Figure S13: GC/MS chromatogram of sample NOC5

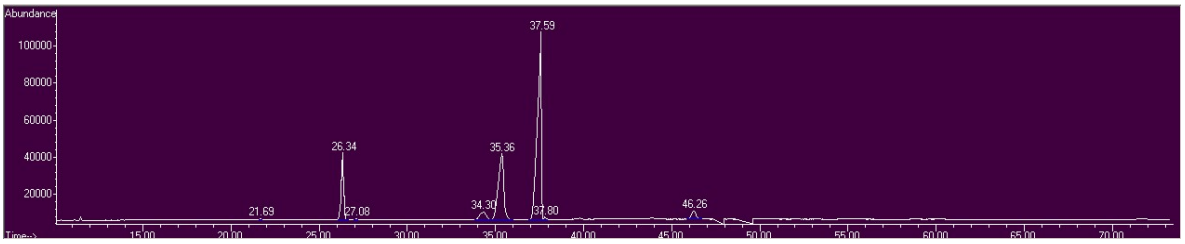

Figure S14: GC/MS chromatogram of sample NOC6

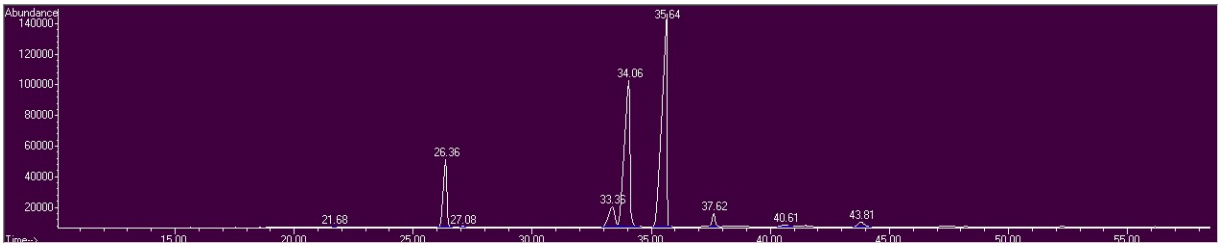

Figure S15: GC/MS chromatogram of sample NOC7

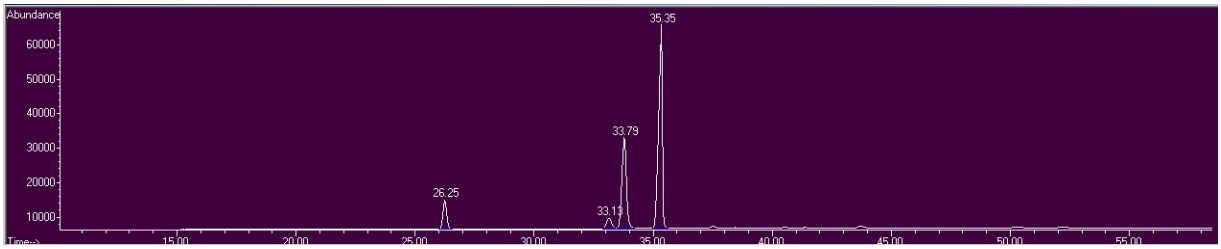

Figure S16: GC/MS chromatogram of sample NOC8

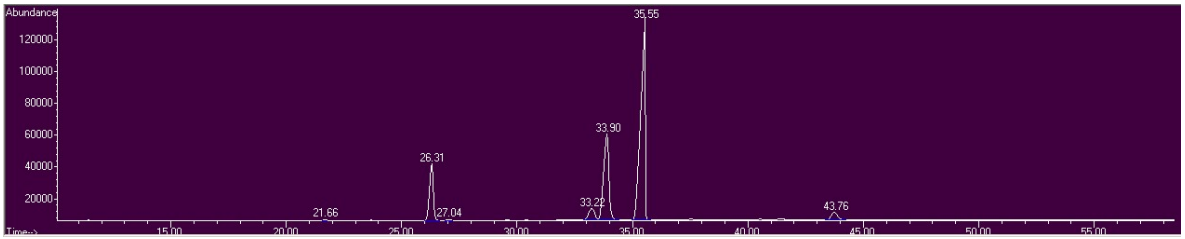

Figure S17: GC/MS chromatogram of sample NOC9

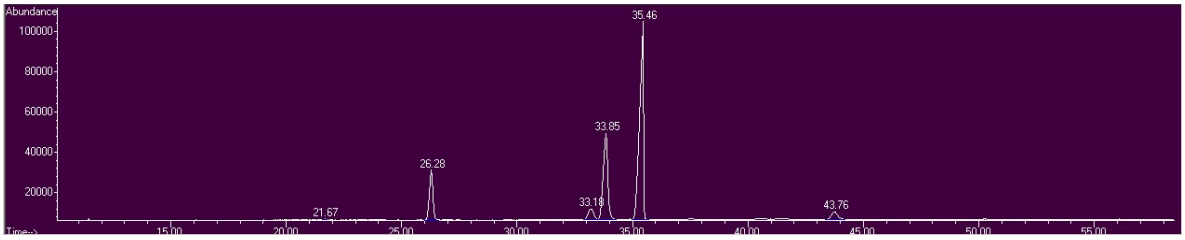

Figure S18: GC/MS chromatogram of sample NOC10