ELECTRONIC SUPPLEMENTARY INFORMATION

Enhanced microalgal lipid extraction using bio-based solvents for sustainable biofuel production

Wan M. Asyraf Wan Mahmood,[a,b] Constantinos Theodoropoulos,[a,b] Maria Gonzalez-Miquel*[a,b]

[a] School of Chemical Engineering and Analytical Sciences, Faculty of Science and Engineering, The University of Manchester, Manchester M13 9PL, UK
[b] Biochemical and Bioprocess Engineering Group, The University of Manchester, M13 9PL, UK

Table S1. GC-MS FAME spectrum

FAME	Label	FAME	Label
C14:0	A	C18:1	H
C15:0	B	C18:2	I
C16:0	C	C18:3	J
C16:1	D	C20:4	K
C16:2	E	C20:5	L
C16:3	F	C24:0	M
C18:0	G		

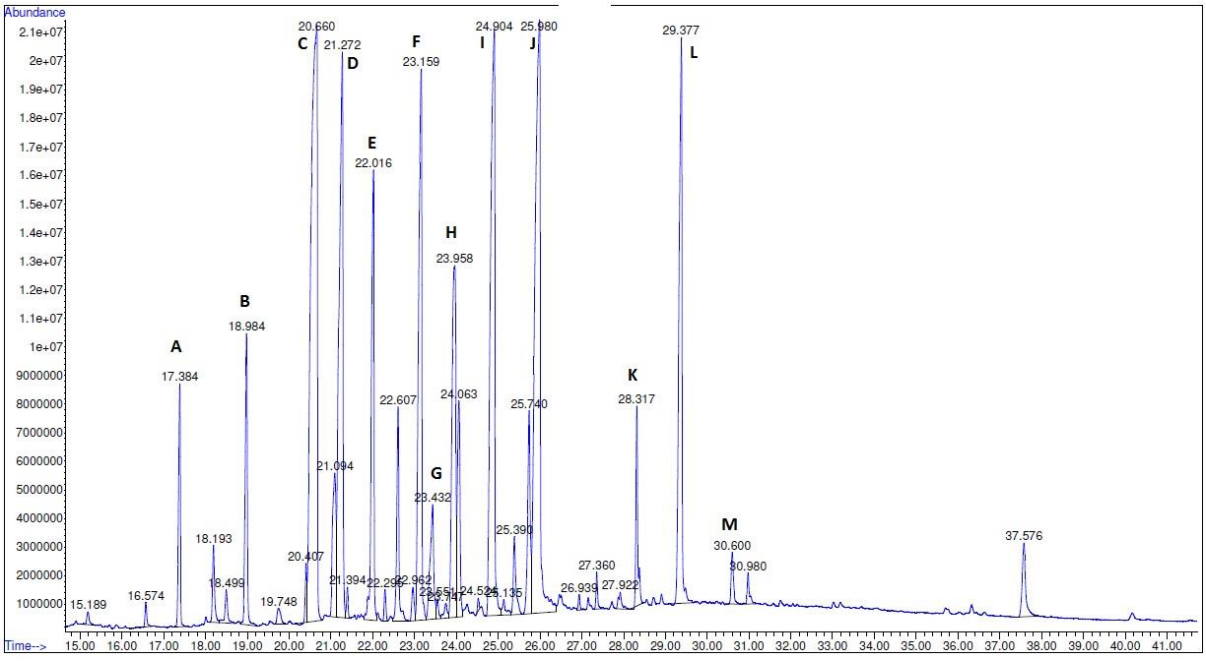

Figure S1. GC-MS chromatogram of FAME produced from *Chlorella vulgaris* (hexane extract)

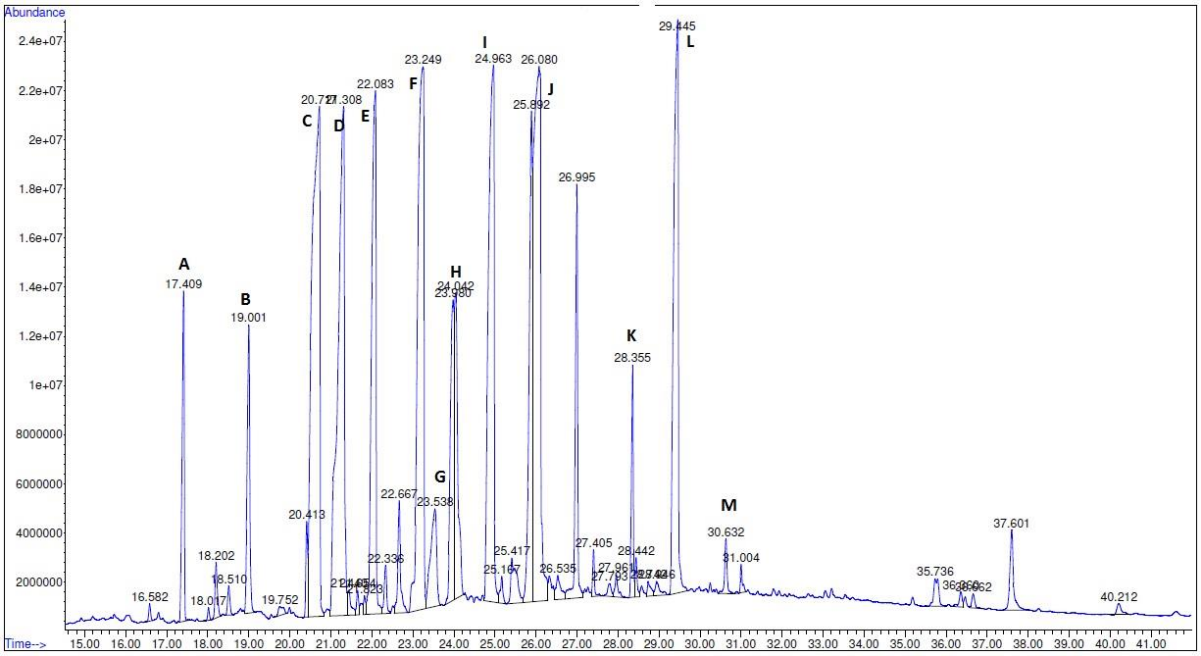

Figure S2. GC-MS chromatogram of FAME produced from *Chlorella vulgaris* (ethyl acetate extract)

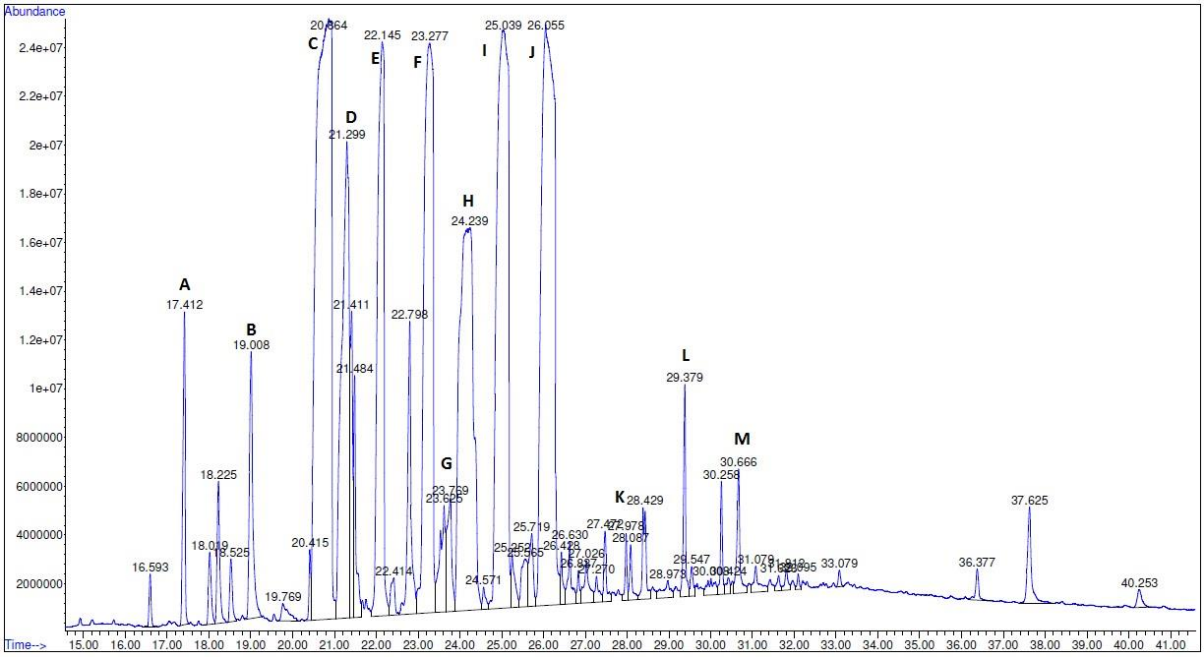

Figure S3. GC-MS chromatogram of FAME produced from *Chlorella vulgaris* (ethyl lactate extract)

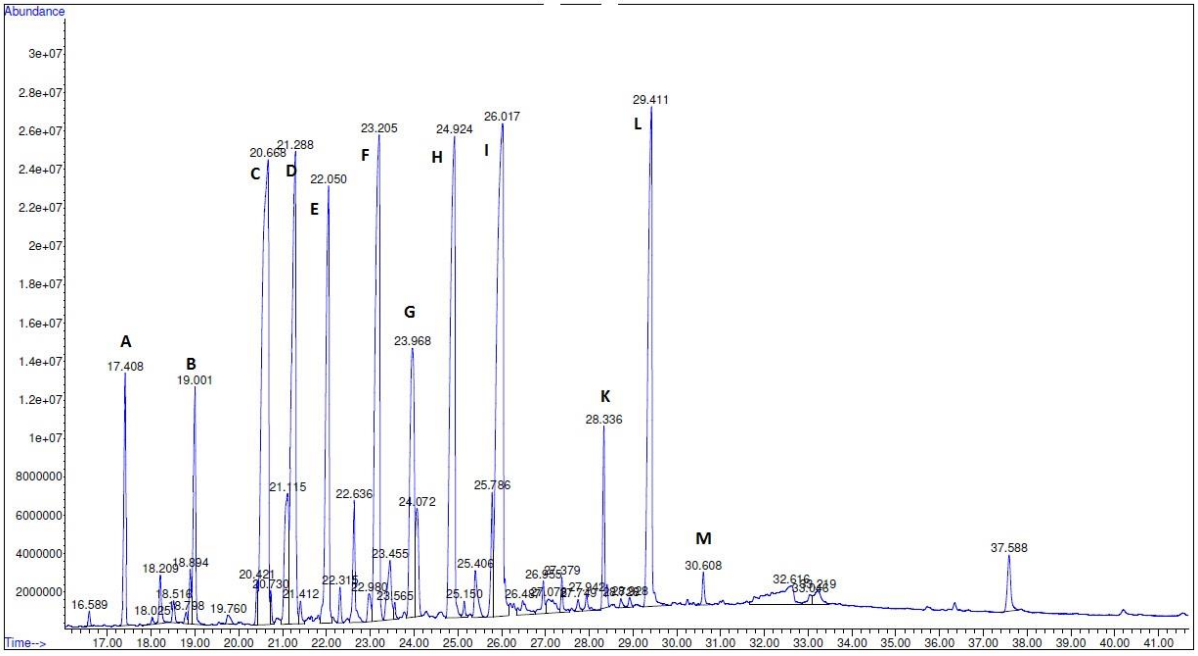

Figure S4. GC-MS chromatogram of FAME produced from *Chlorella vulgaris* (cyclopentyl methyl ether extract)

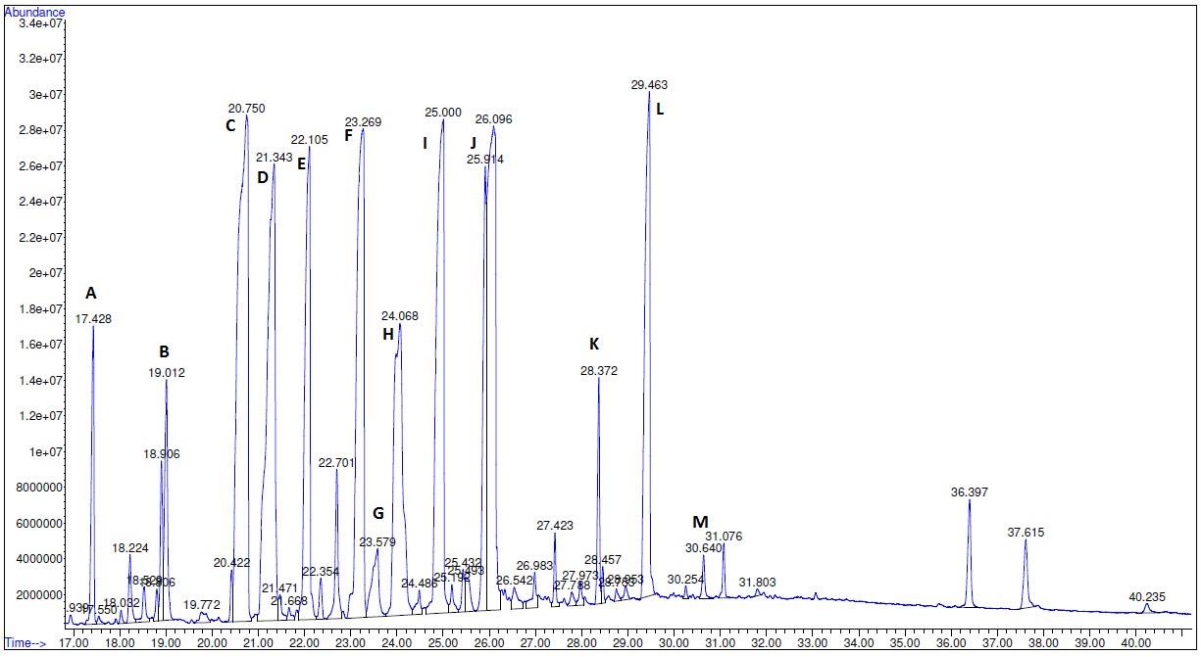

Figure S5. GC-MS chromatogram of FAME produced from *Chlorella vulgaris* (2-methyltetrahydrofuran extract)

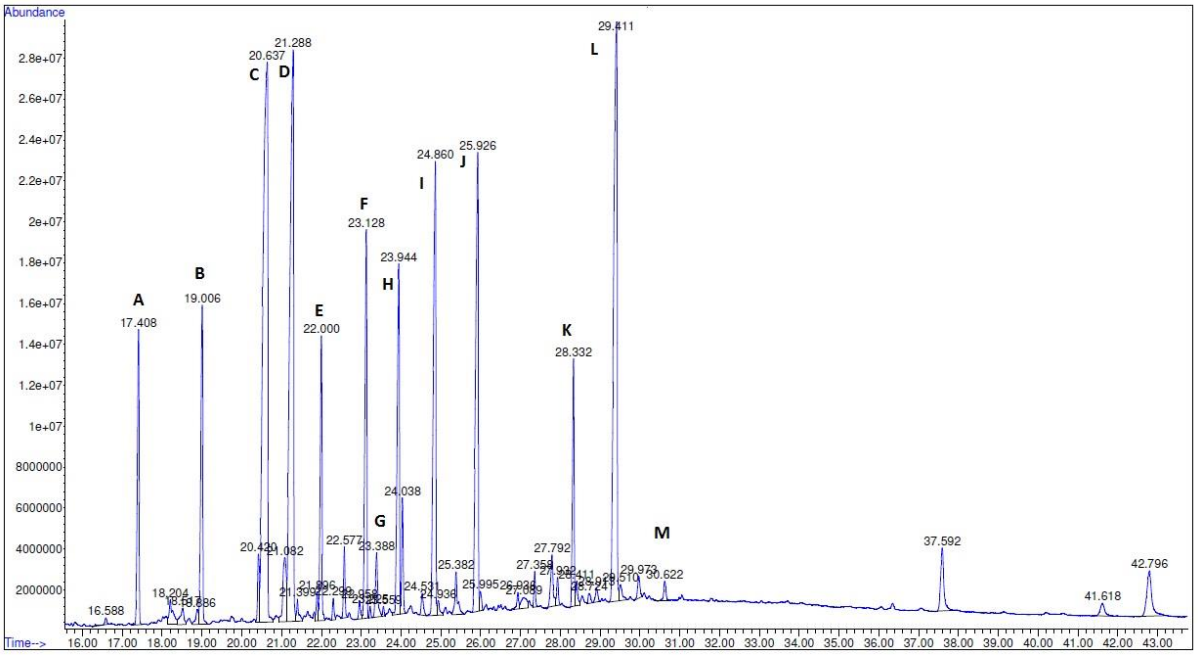

Figure S6. GC-MS chromatogram of FAME produced from *Nannochloropsis sp.* (hexane extract)

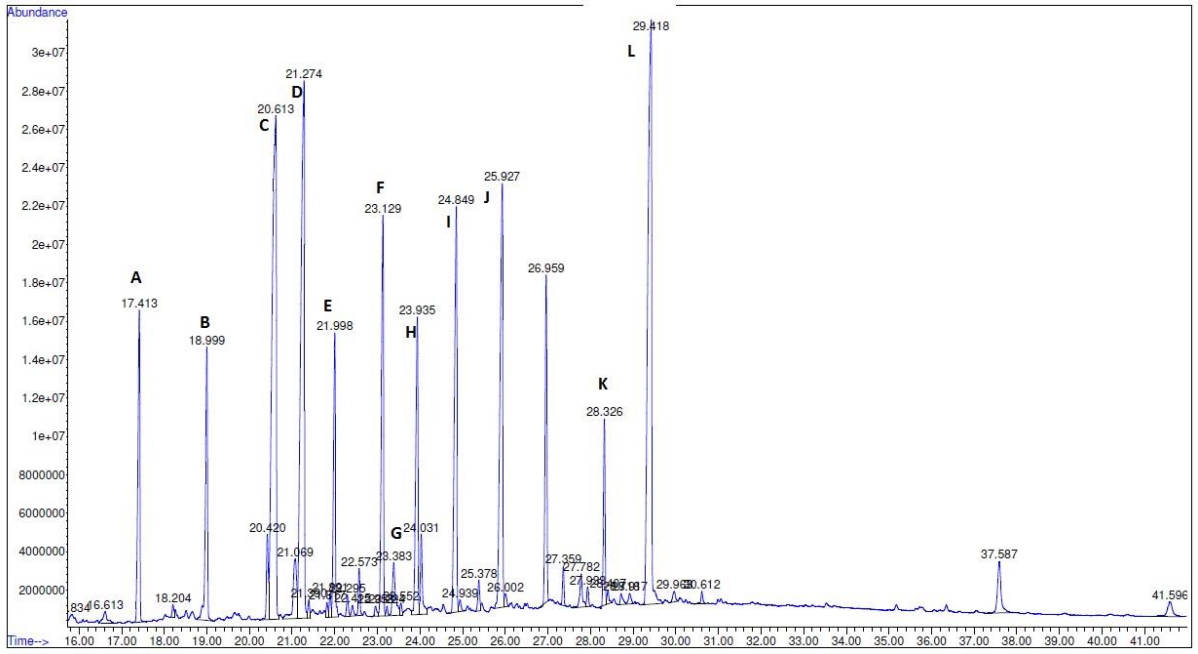

Figure S7. GC-MS chromatogram of FAME produced from *Nannochloropsis sp.* (ethyl acetate extract)

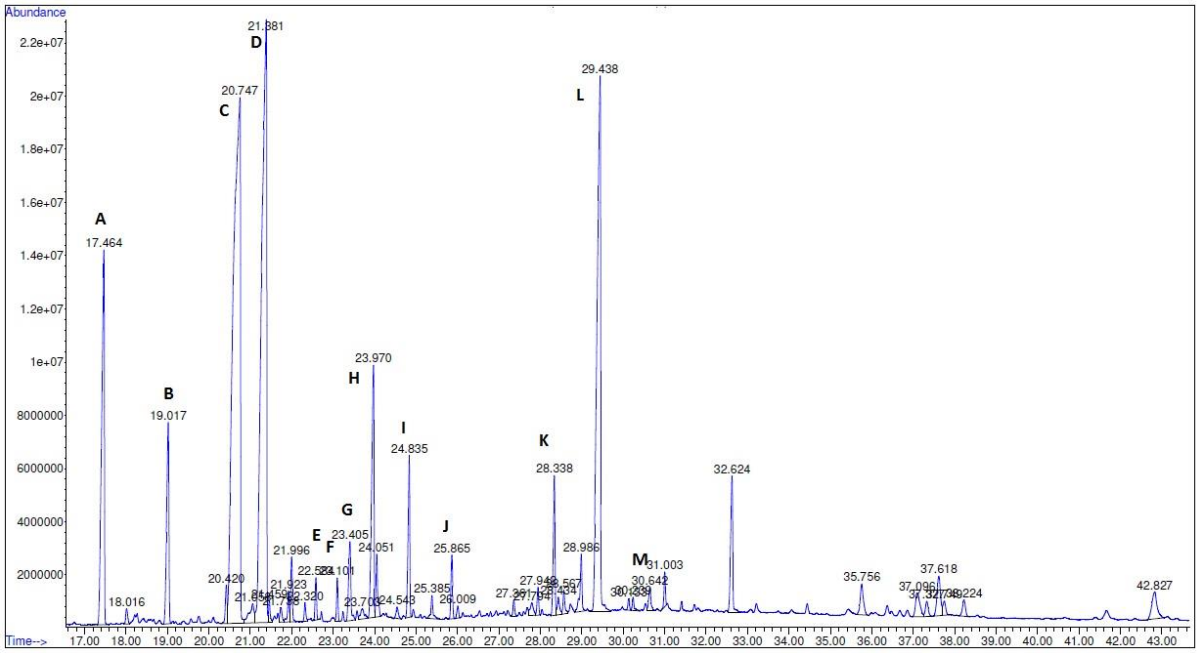

Figure S8. GC-MS chromatogram of FAME produced from *Nannochloropsis sp.* (ethyl lactate extract)

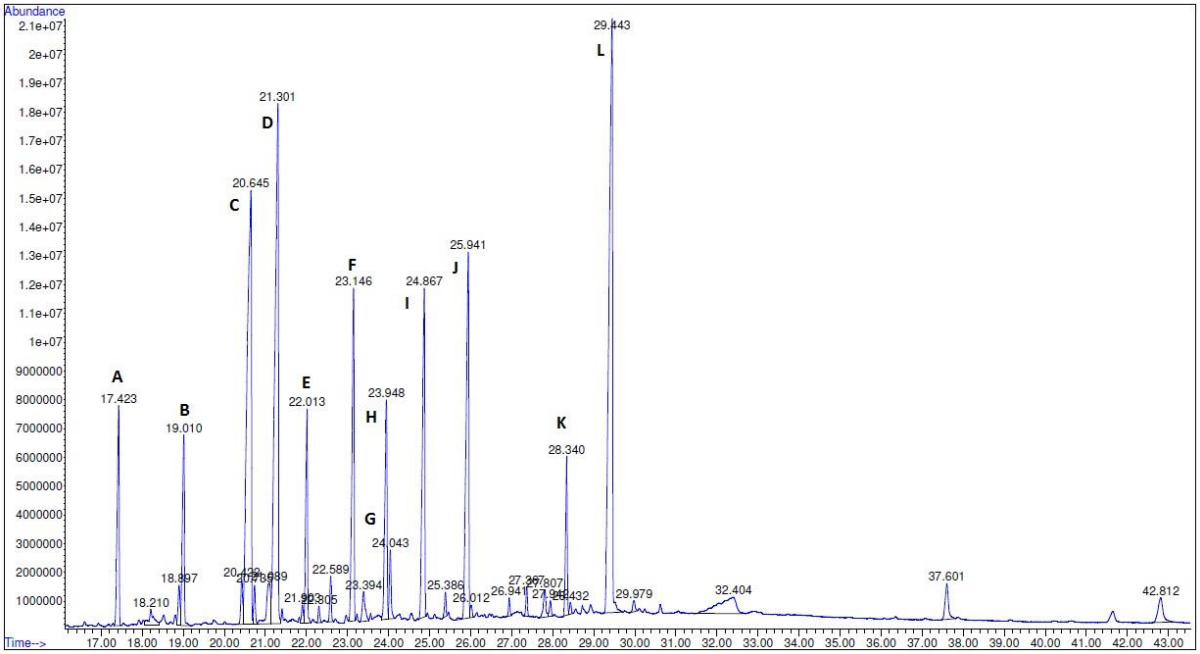

Figure S9. GC-MS chromatogram of FAME produced from *Nannochloropsis sp.* (cyclopentyl methyl ether extract)

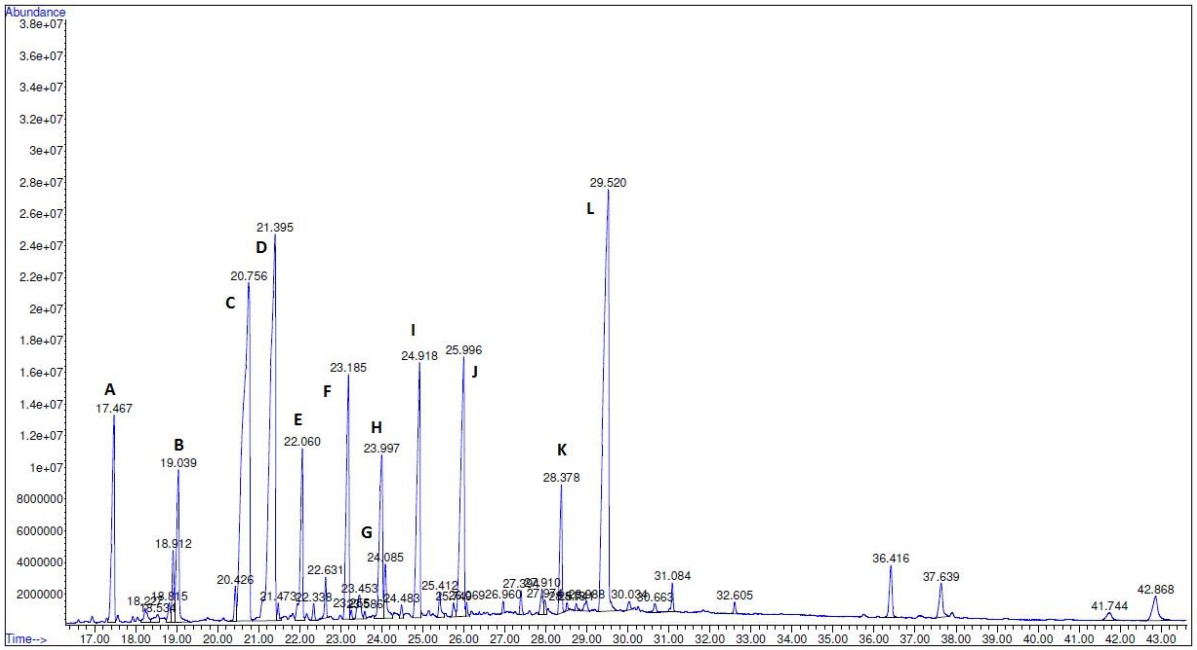

Figure S10. GC-MS chromatogram of FAME produced from *Nannochloropsis sp.* (2-methyltetrahydrofuran extract)