

Supporting Information

1-*O*-Alkylglycerol Ethers from the Marine Sponge *Guitarra abbotti* and their cytotoxic activity

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Figure S1. ^1H NMR spectrum of AGE mixture in CDCl_3 (300 MHz).

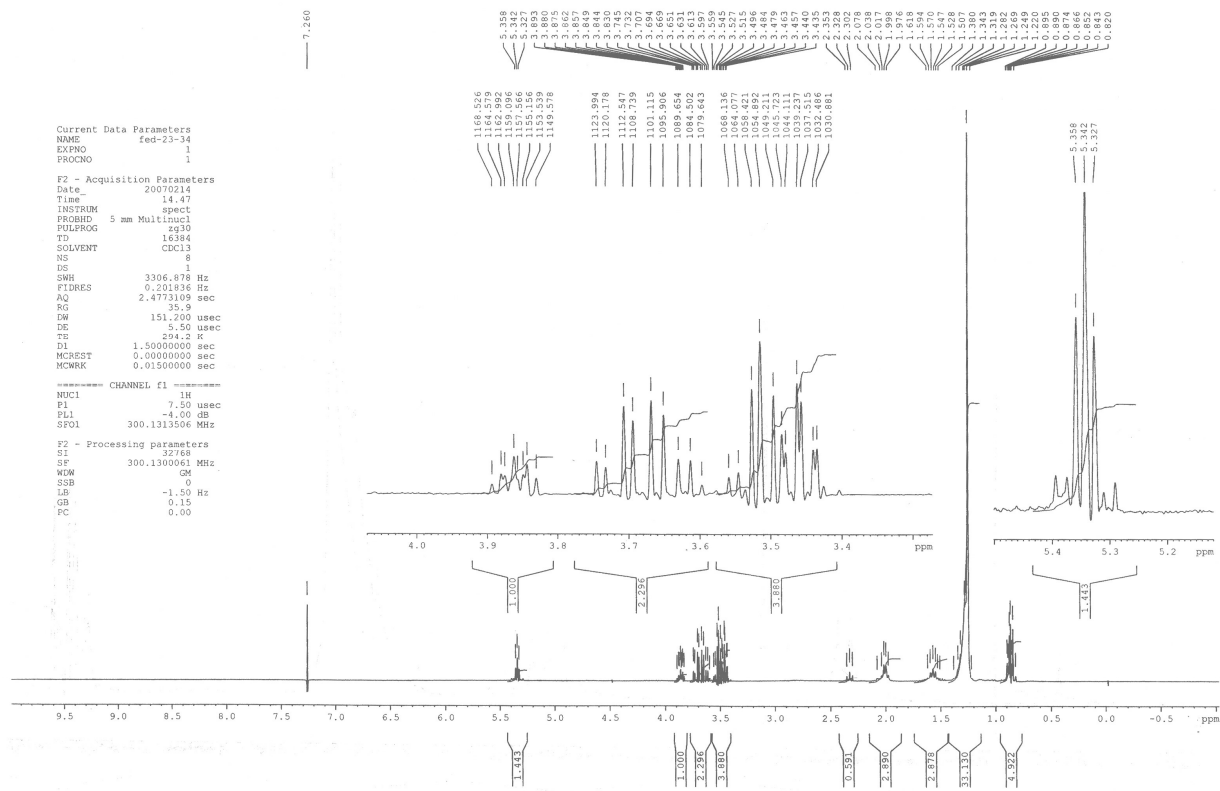


Figure S2. ^{13}C NMR spectrum of AGE mixture in CDCl_3 (75 MHz).

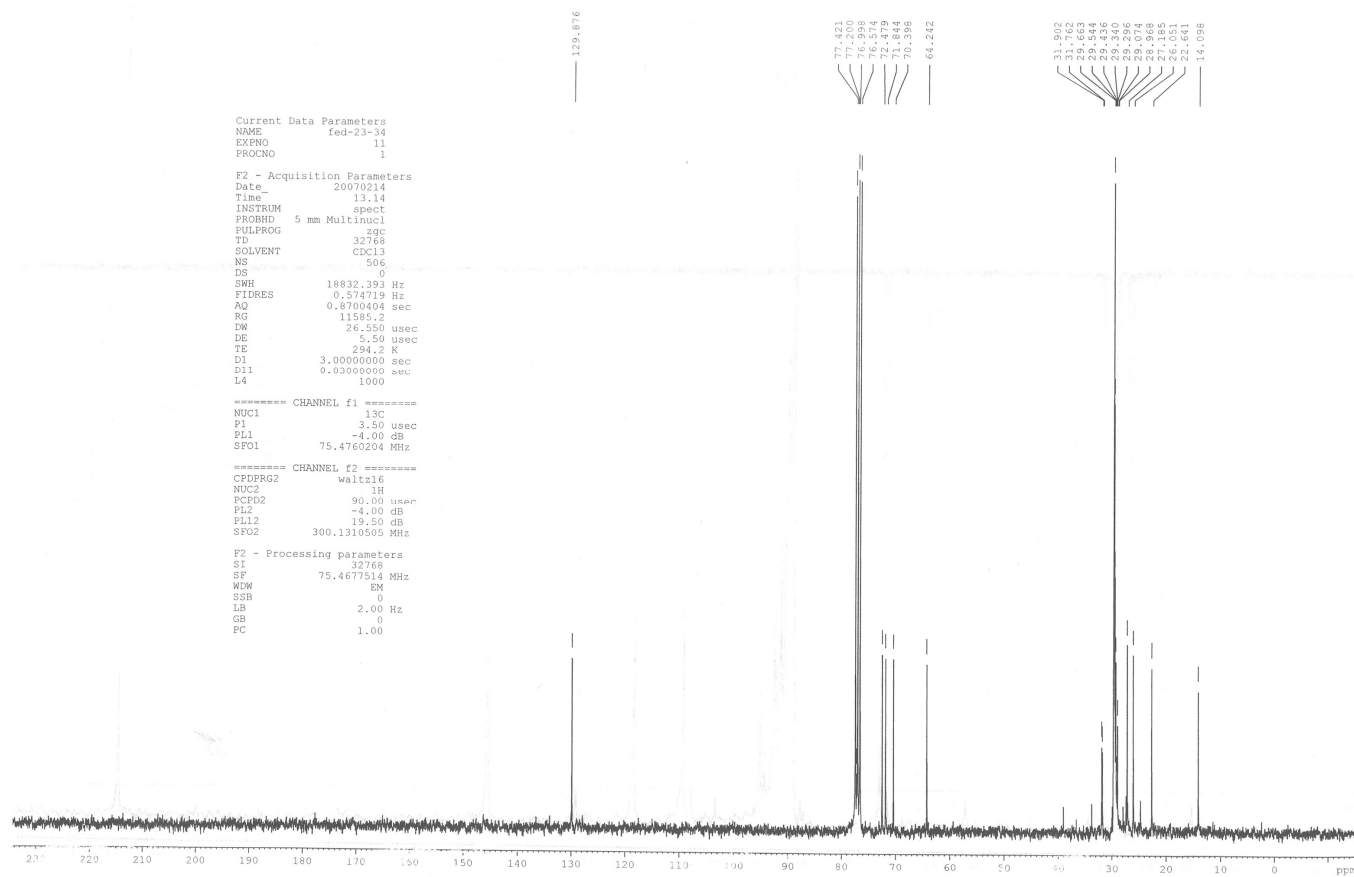


Figure S3. DEPT spectrum of AGE mixture in CDCl_3 .

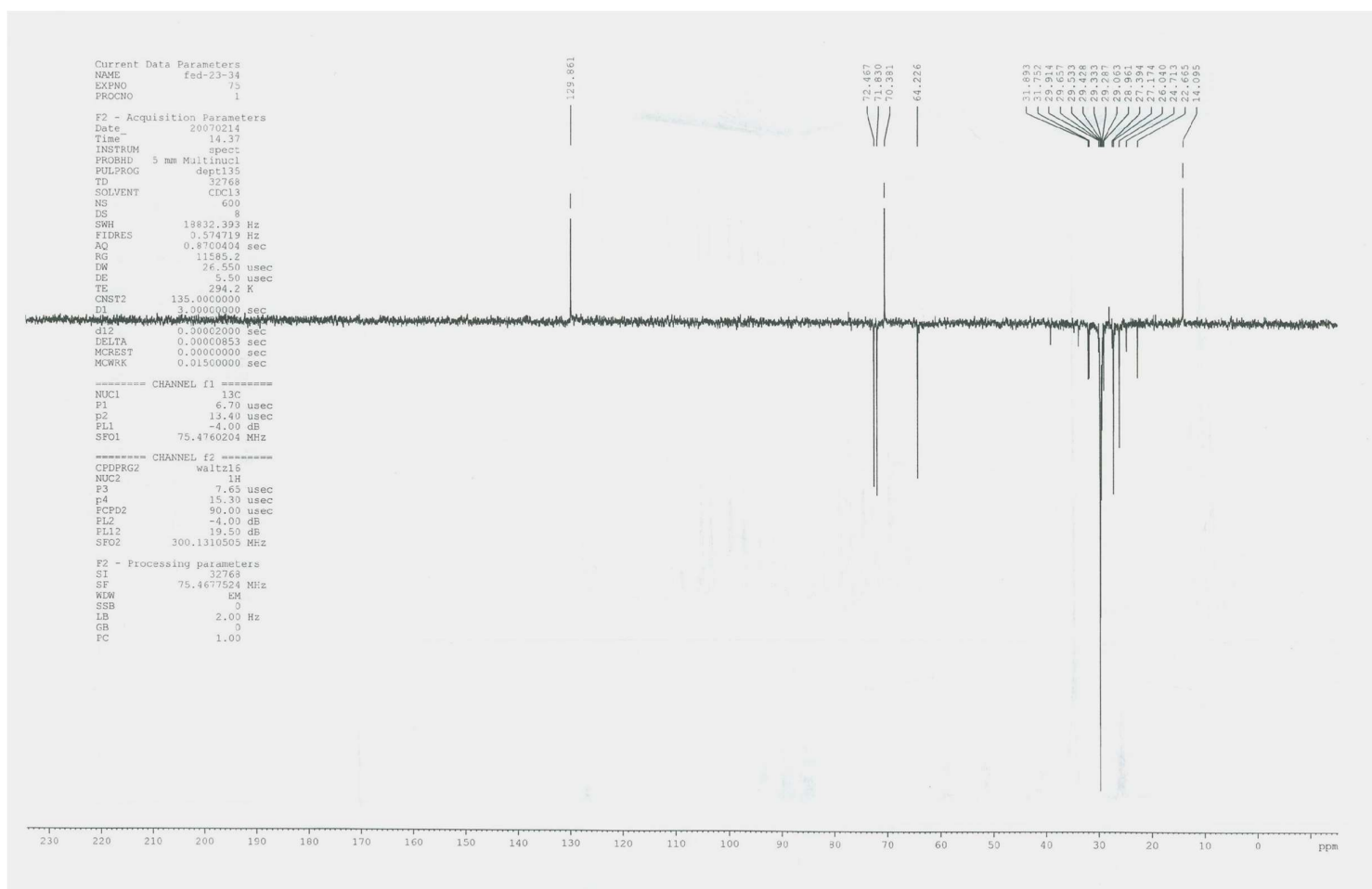
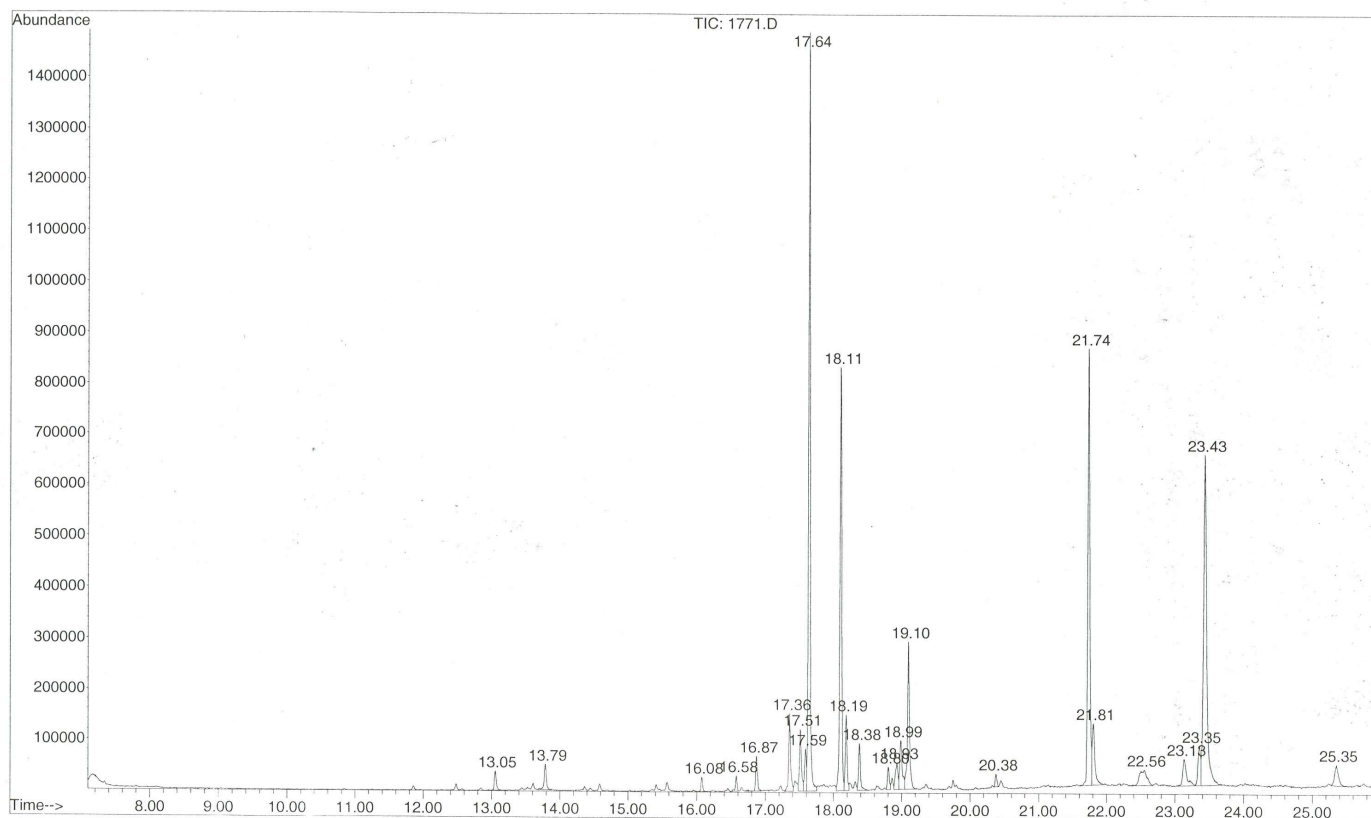


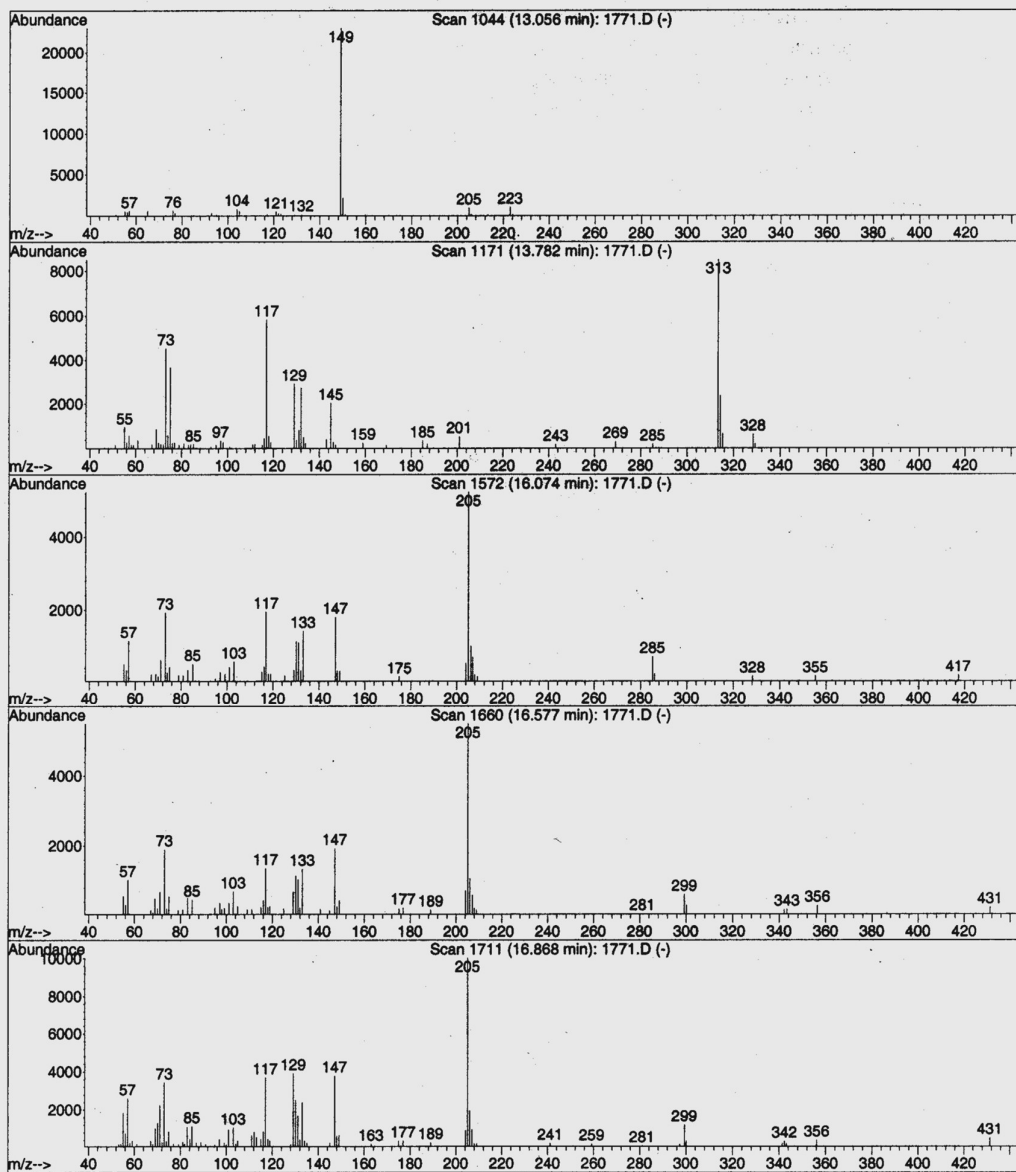
Figure S4. GC data for the TMS-derivatives of AGEs



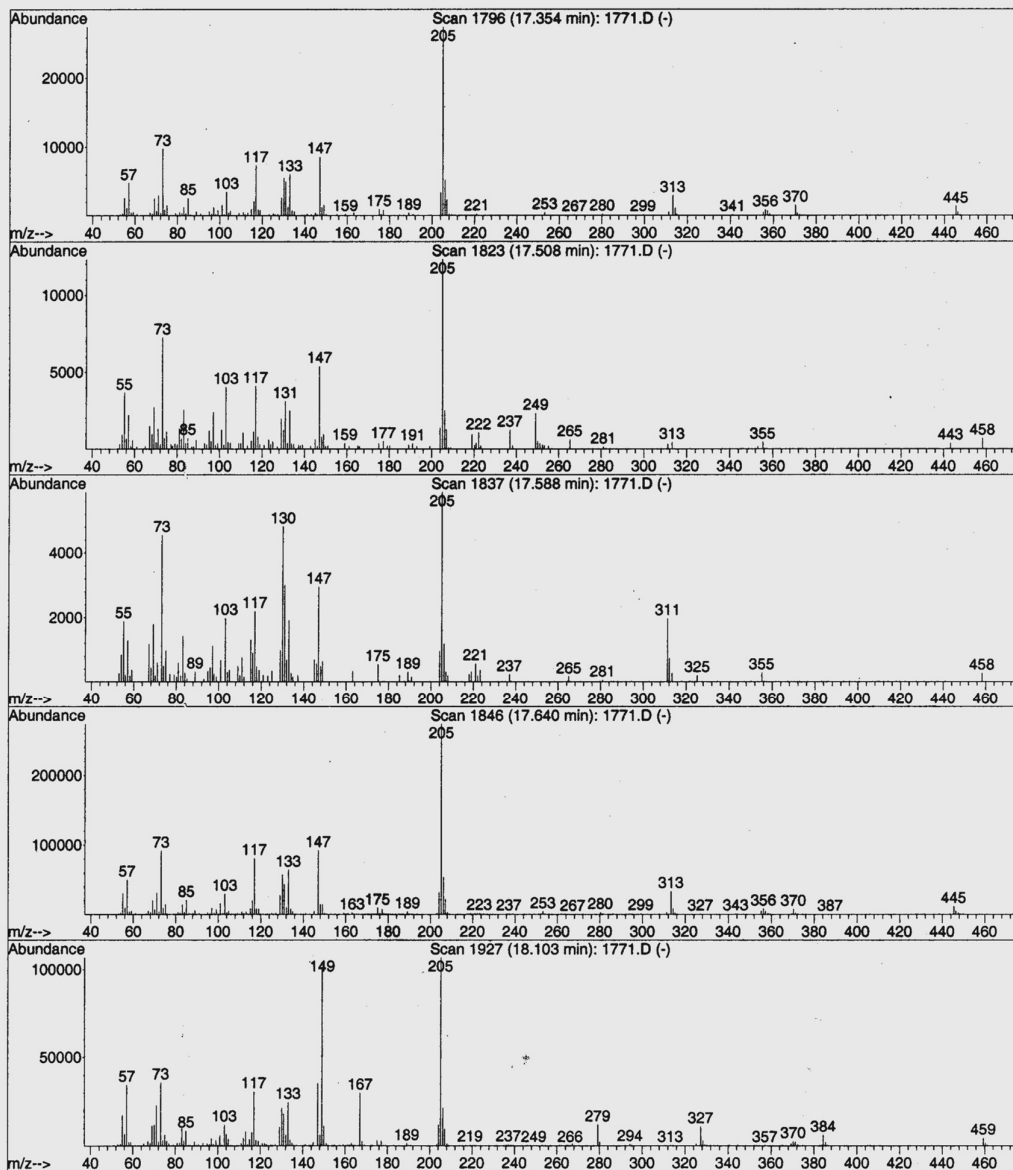
The injector and transfer line temperature was 270°C. A capillary column Hewlett Packard HP-5MS (Agilent Technologies Inc, Santa Clara, CA, USA), 30 m × 0.25 mm, phase layer 0.25 µm was used at 100°C with a 2°C/min ramp to 270°C, which was held for 30 min. Column contains 5% phenylmethylsiloxane and He was used as mobile phases, flow rate 1 mL/min. The sample was dissolved in chloroform at a concentration of 10 mg/ml. Injection volume 0.2 µL, split ratio 15:1. The mass-spectra were recorded at 70 eV.

Figure S5. GC/MS data for the TMS-derivatives of AGEs

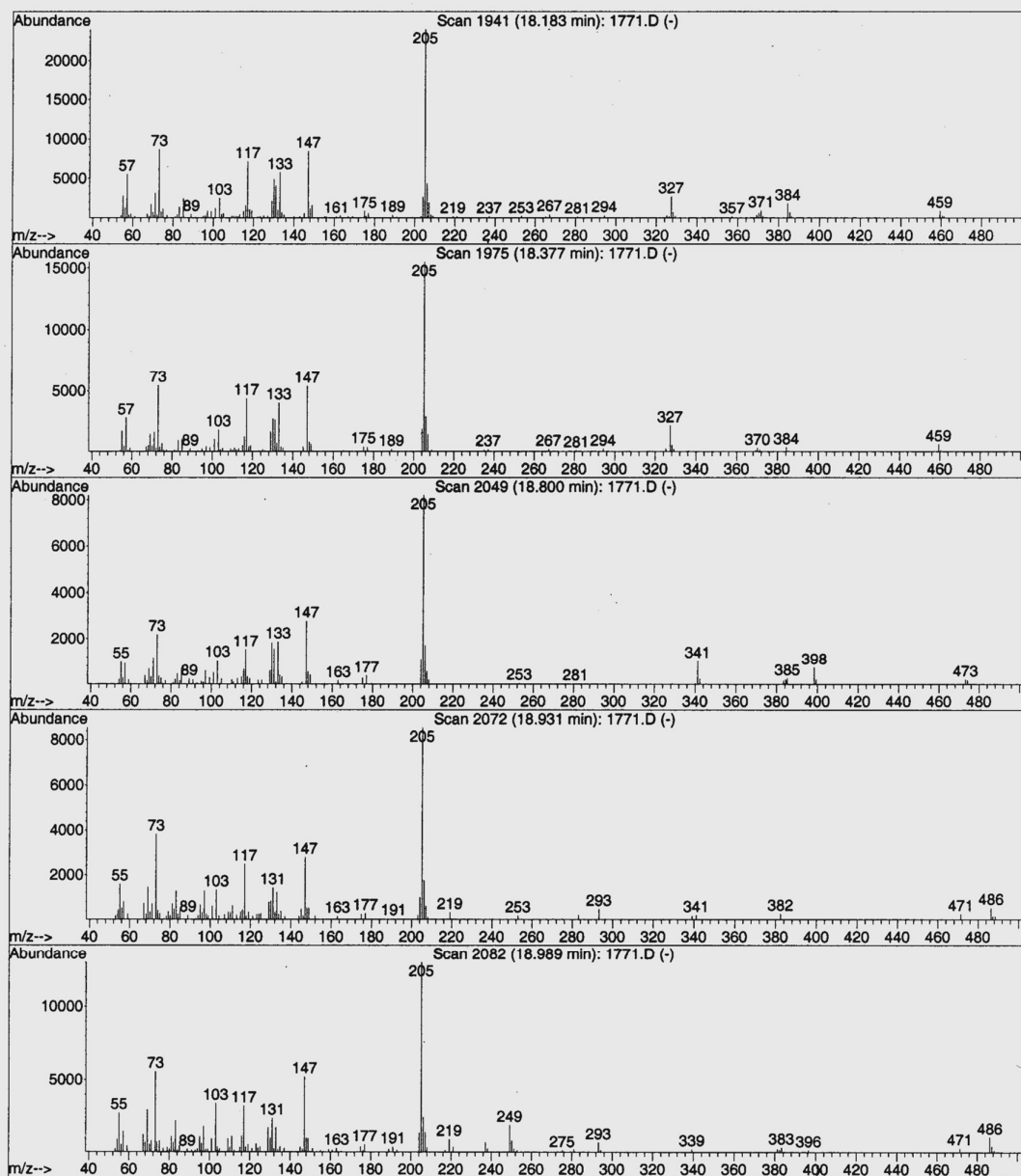
File : C:\HPCHEM\1\DATA\1771.D
Operator : Moiseenko O.P.
Acquired : 22 Feb 2007 11:55 using AcqMethod STONIKST
Instrument : GC/MS Ins
Sample Name: Si
Misc Info : 0,2 mkl
Vial Number: 1



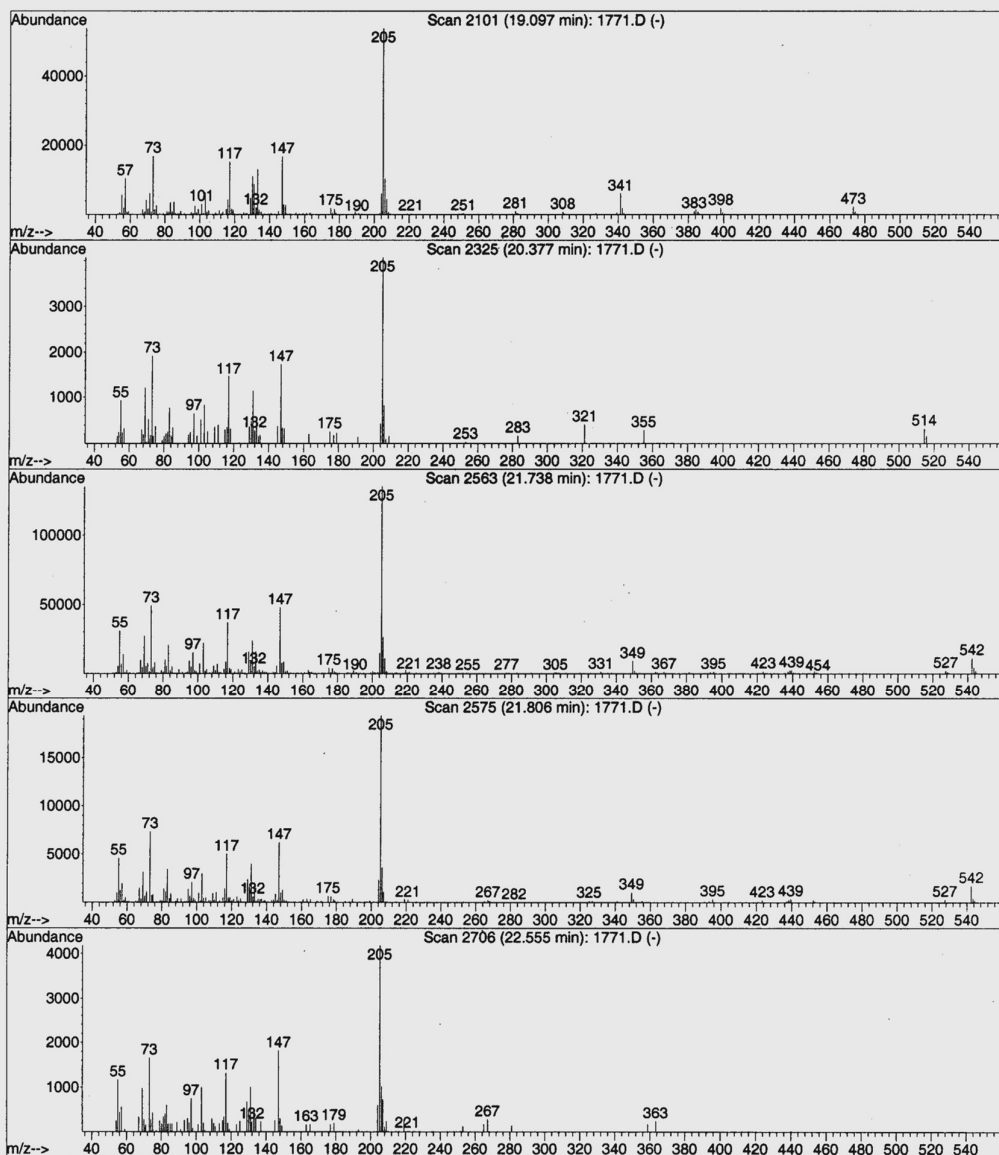
File : C:\HPCHEM\1\DATA\1771.D
Operator : Moiseenko O.P.
Acquired : 22 Feb 2007 11:55 using AcqMethod STONIKST
Instrument : GC/MS Ins
Sample Name: Si
Misc Info : 0,2 mkl
Vial Number: 1



File : C:\HPCHEM\1\DATA\1771.D
Operator : Moiseenko O.P.
Acquired : 22 Feb 2007 11:55 using AcqMethod STONIKST
Instrument : GC/MS Ins
Sample Name: Si
Misc Info : 0,2 mkl
Vial Number: 1



File : C:\HPCHEM\1\DATA\1771.D
Operator : Moiseenko O.P.
Acquired : 22 Feb 2007 11:55 using AcqMethod STONIKST
Instrument : GC/MS Ins
Sample Name: Si
Misc Info : 0,2 mkl
Vial Number: 1



File : C:\HPCHEM\1\DATA\1771.D
Operator : Moiseenko O.P.
Acquired : 22 Feb 2007 11:55 using AcqMethod STONIKST
Instrument : GC/MS Ins
Sample Name: Si
Misc Info : 0,2 mkl
Vial Number: 1

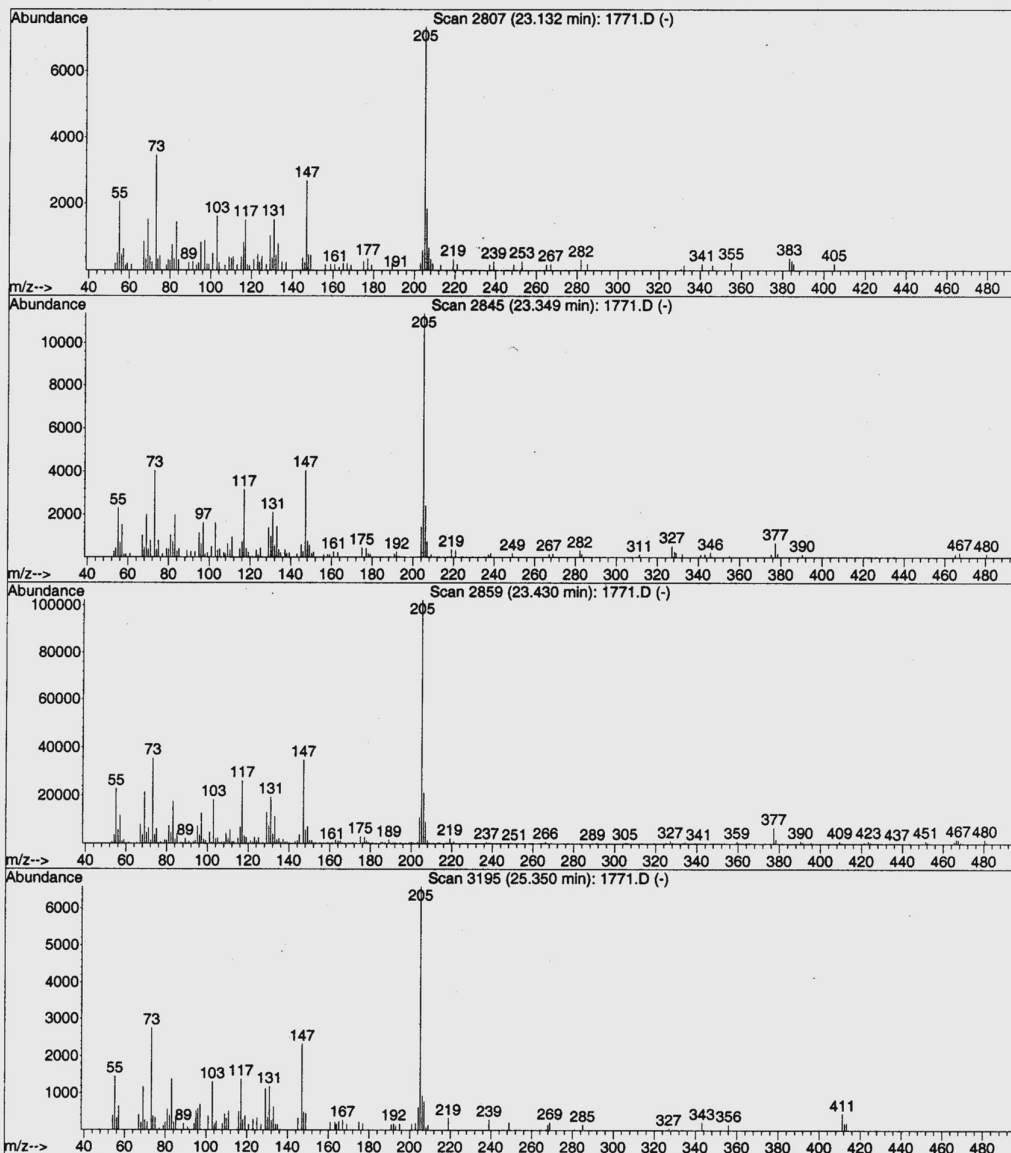
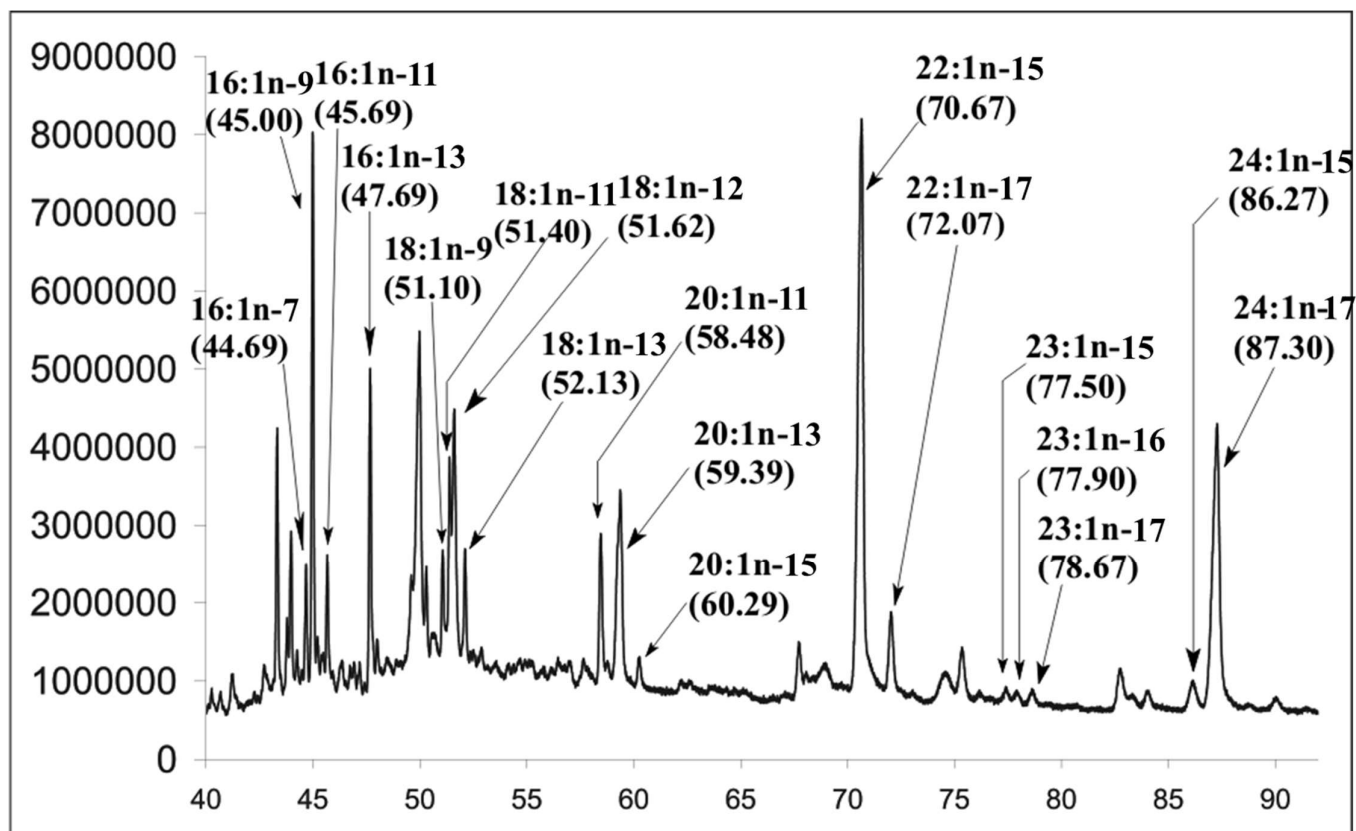


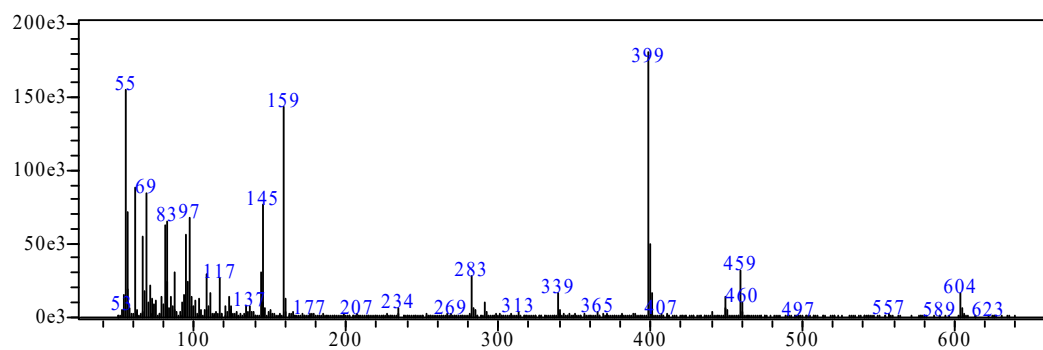
Figure S6. GC data for the DMDS-derivatized AGEs



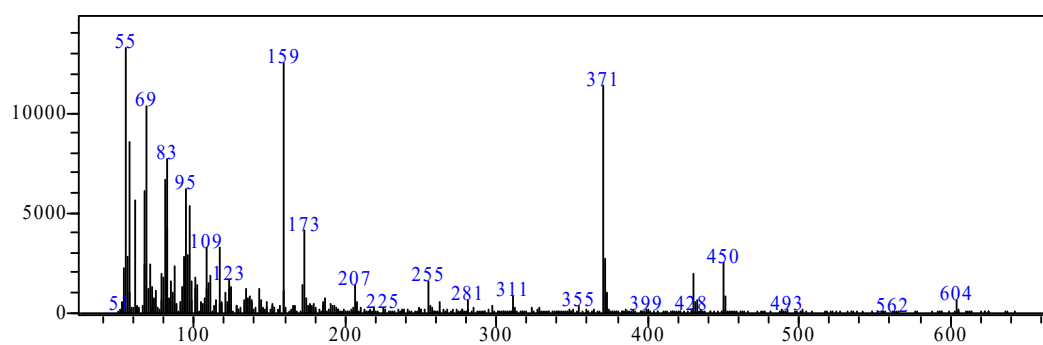
A capillary column MDN-5S (Shimadzu, Kyoto, Japan), 30 m × 0.25 mm, phase layer 0.25 μm, was used at 200 °C with a 2 °C/min ramp to 300 °C, which was held for 45 min. Split ratio 15 : 1, flow rate 1 mL/min. The injector temperature was 270 °C. The mass-spectra were recorded at 70 eV.

Figure S7. GC/MS data for the DMDS-derivatized AGEs

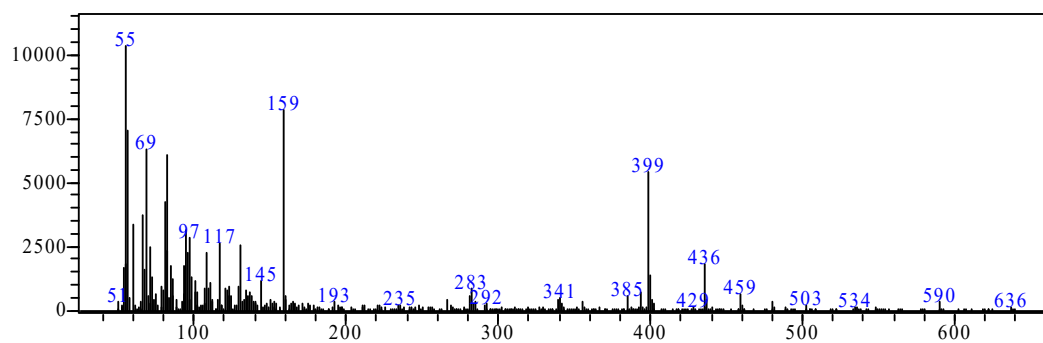
Compound **28** (24:1n-17, RT=87.30 min)



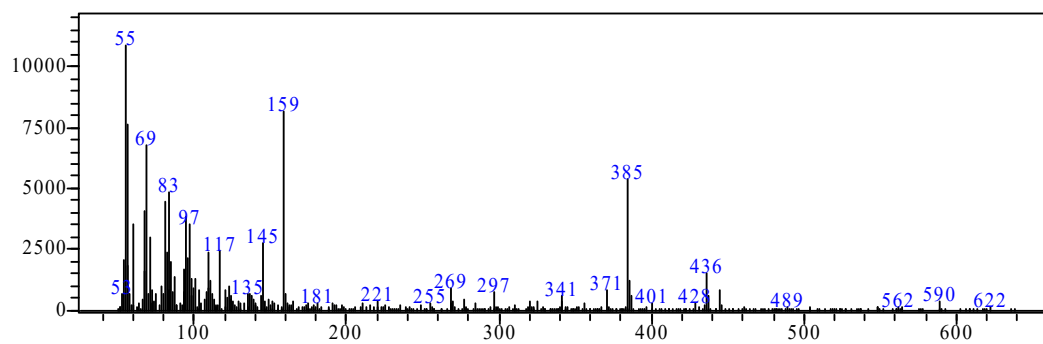
Compound **6** (24:1n-15, RT=86.27 min)



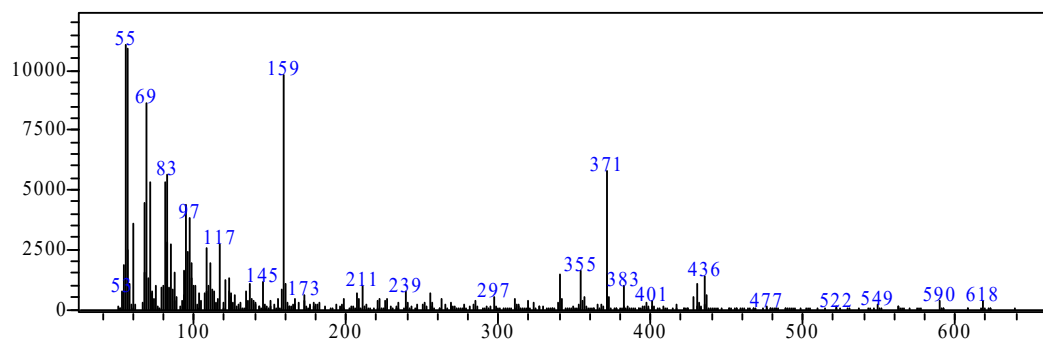
Compound **5** (23:1n-17, RT=78.67 min)



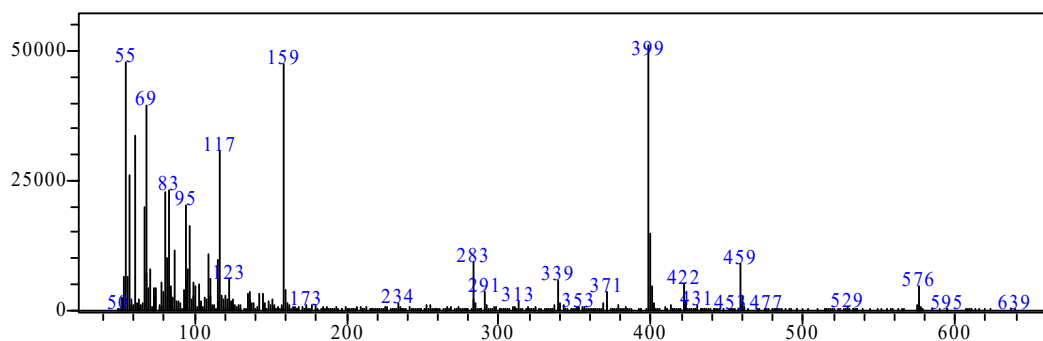
Compound **4** (23:1n-16, RT=77.90 min)



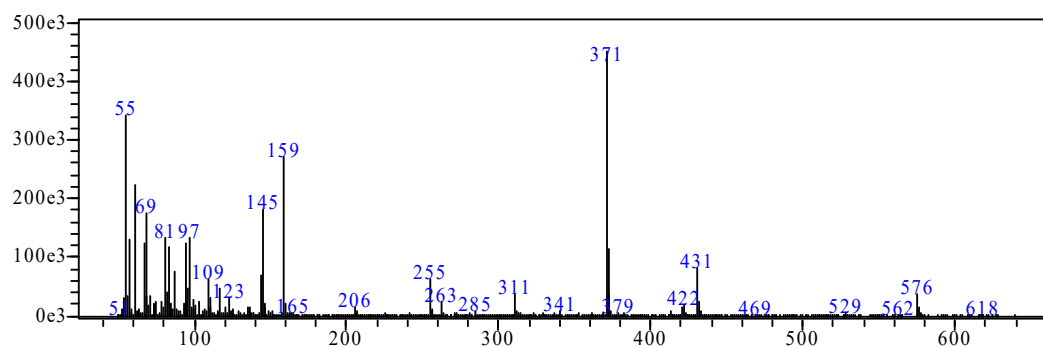
Compound **3** (23:1n-15, RT=77.50 min)



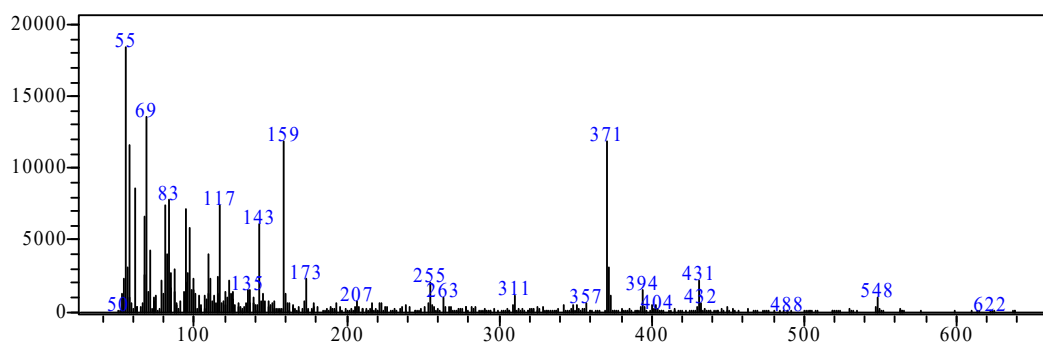
Compound **2** (22:1n-17, RT=72.07 min)



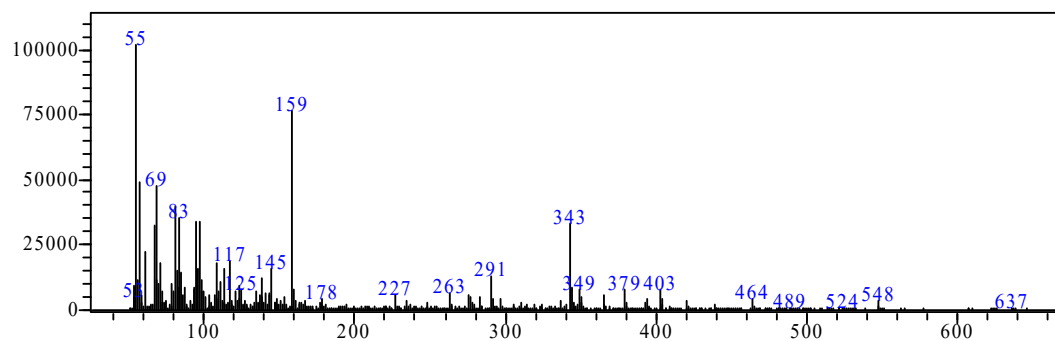
Compound **1** (22:1n-15, RT=70.67 min)



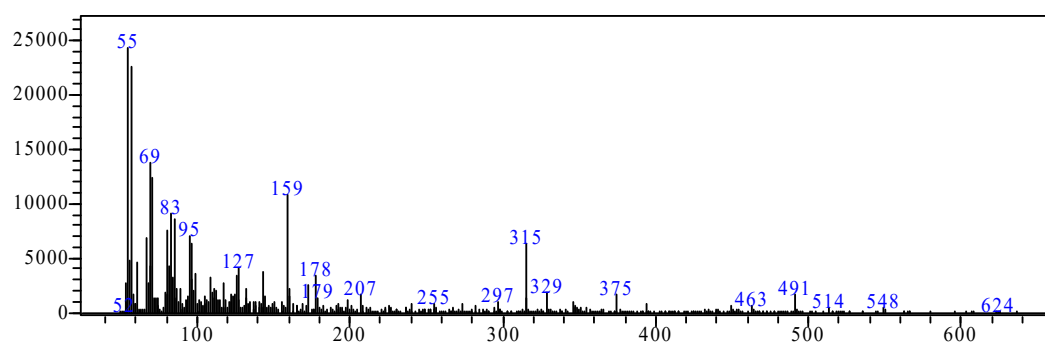
Compound **27** (20:1n-15, RT=60.29 min)



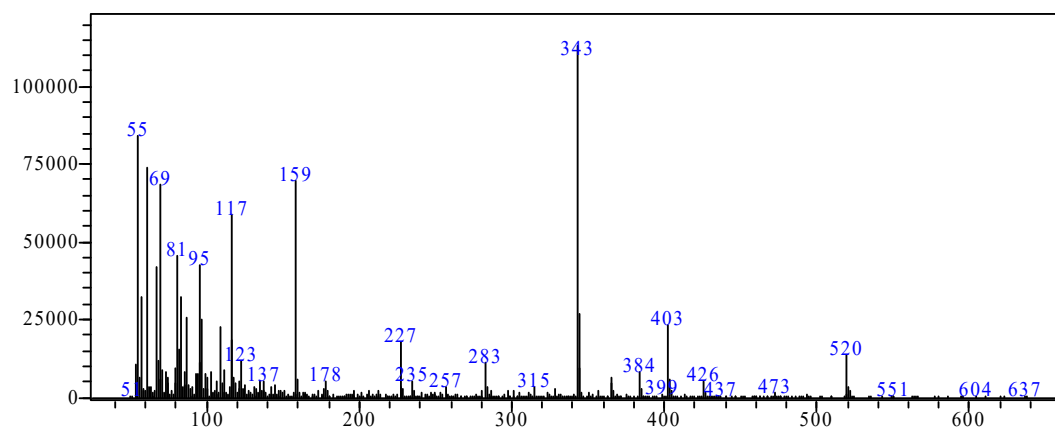
Compound **26** (20:1n-13, RT=59.39 min)



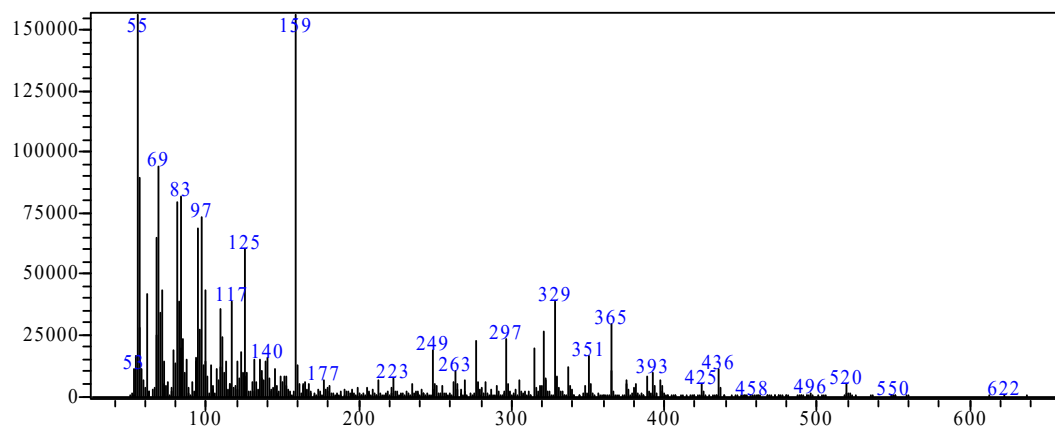
Compound **25** (20:1n-11, RT=58.48 min)



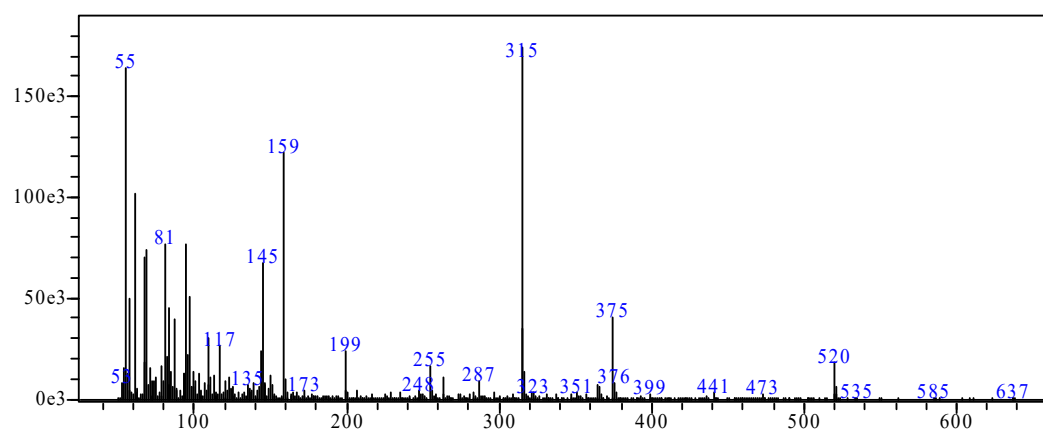
Compound **24** (18:1n-13, RT=52.13 min)



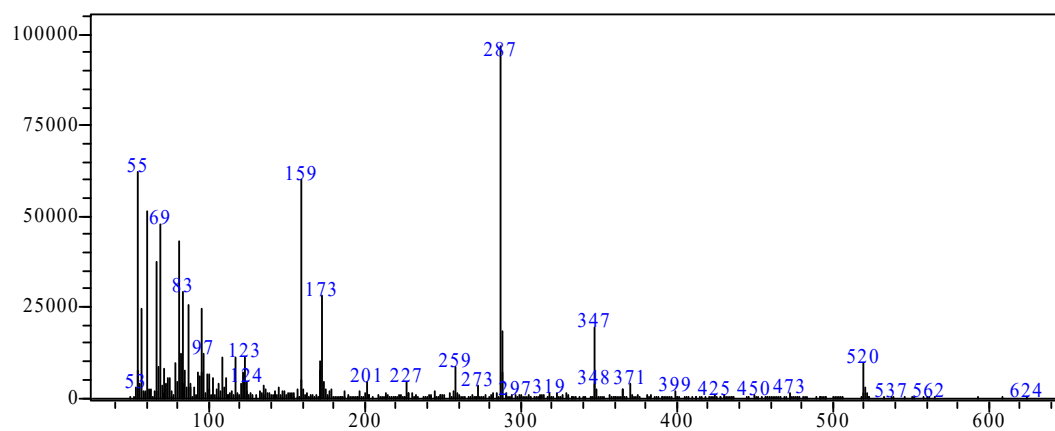
Compound **23** (18:1n-12, RT=51.62 min)



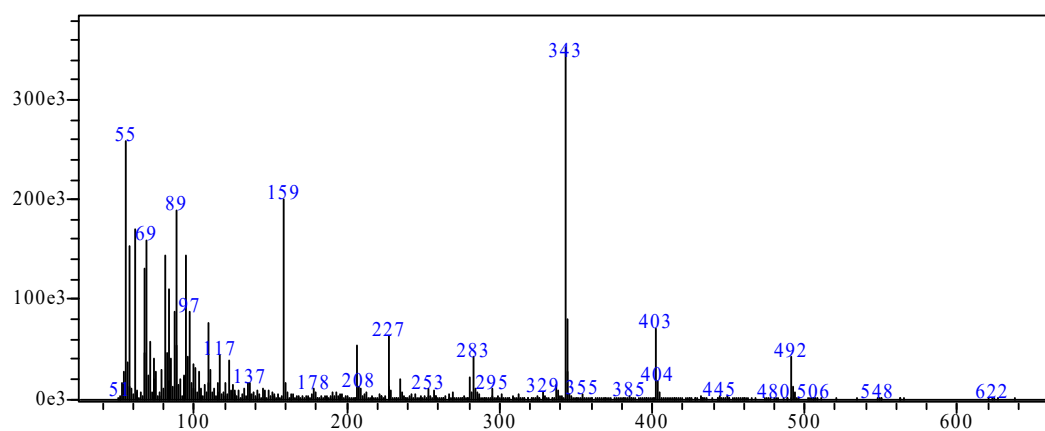
Compound **22** (18:1n-11, RT=51.40 min)



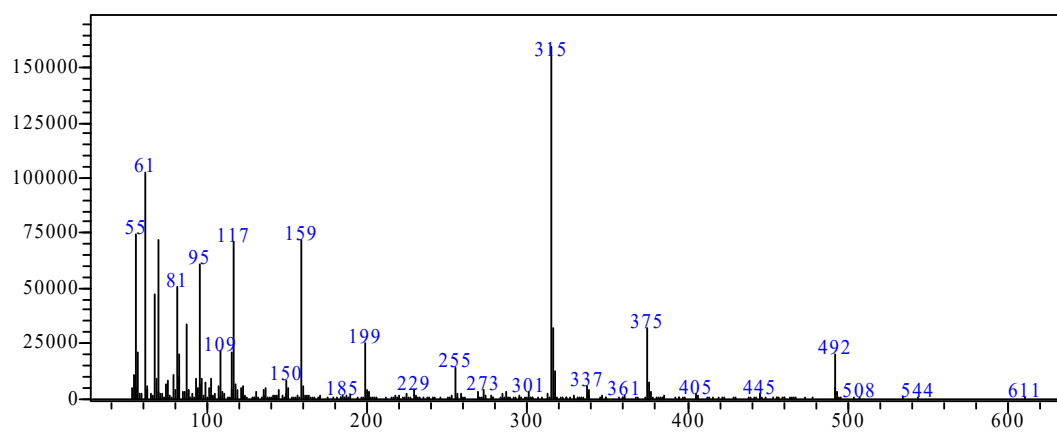
Compound **21** (18:1n-9, RT=51.10 min)



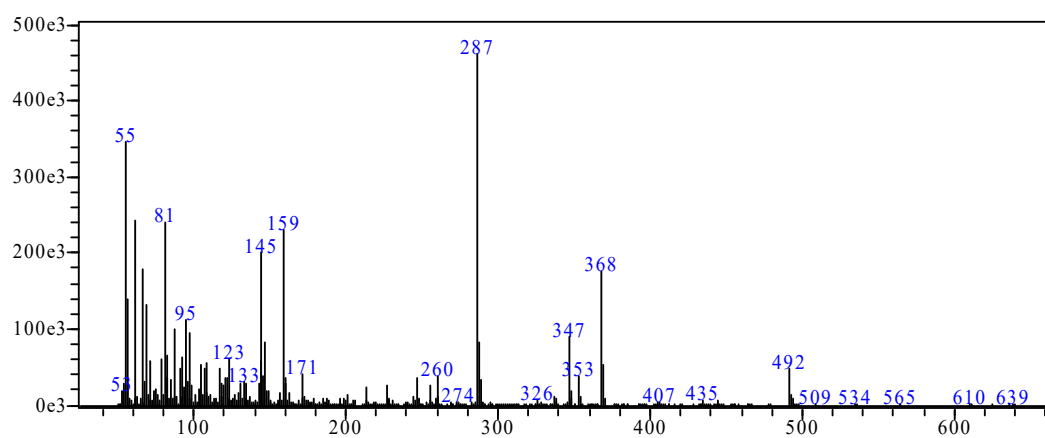
Compound **20** (16:1n-13, RT=47.69 min)



Compound **19** (16:1n-11, RT=45.69 min)



Compound **18** (16:1n-9, RT=45.00 min)



Compound **17** (16:1n-7, RT=44.69 min)

