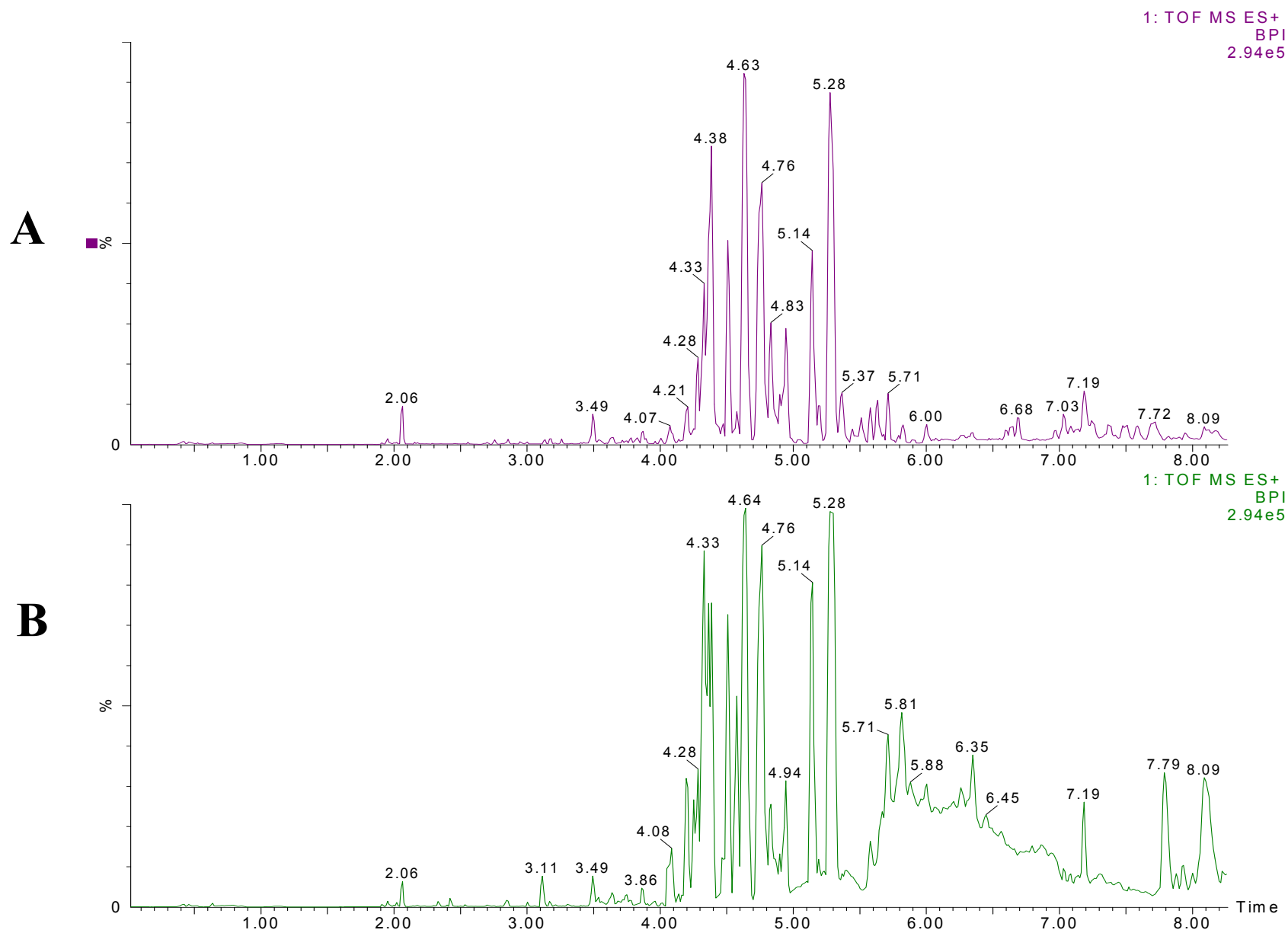


Electronic supplementary data for “A Multi-Analytical Platform Approach to the Metabonomic Analysis of Plasma from Normal and Zucker (fa/fa) Obese Rats”.

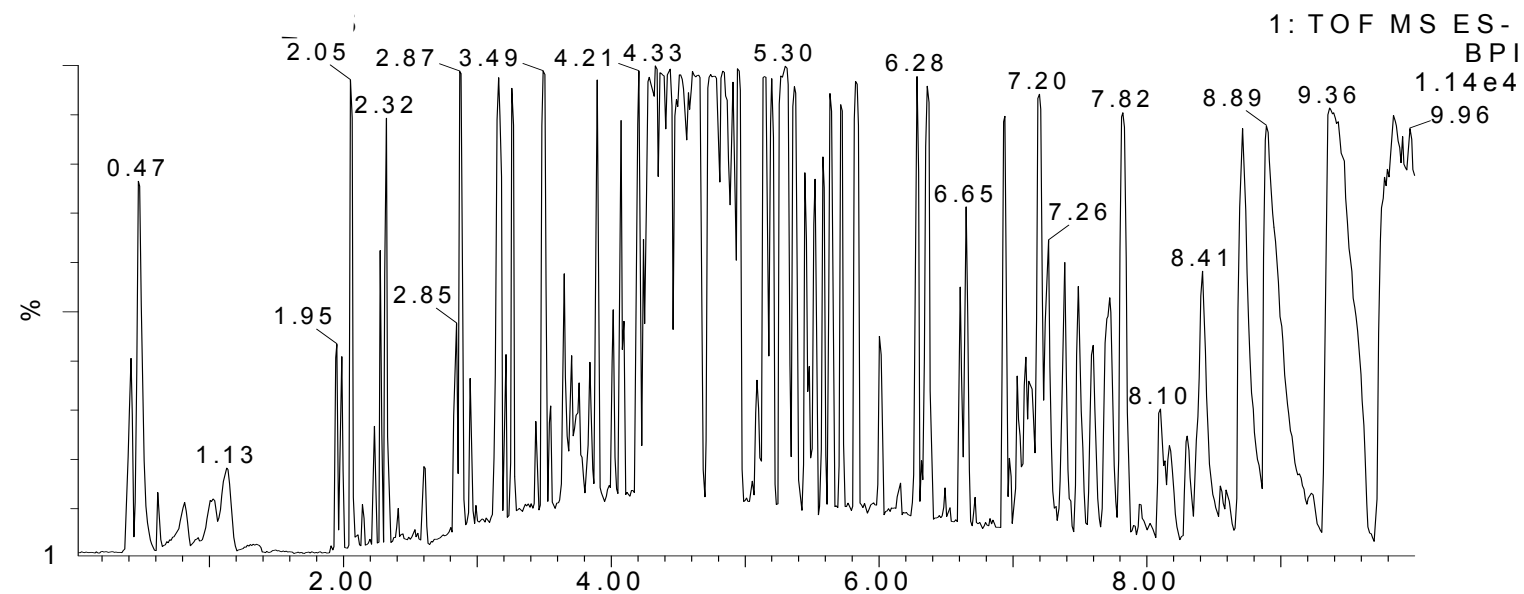
The attached figures show typical examples of the HPLC-MS, GC-MS total ion current chromatograms and NMR spectra obtained for plasma and plasma extracts from 20 week old male Wistar-derived and Zucker (fa/fa) obese rats.

Typical TICs obtained from UPLC-MS (positive ESI) analysis of plasma obtained from A) Zucker (fa/fa) and B) Wistar-derived rats.

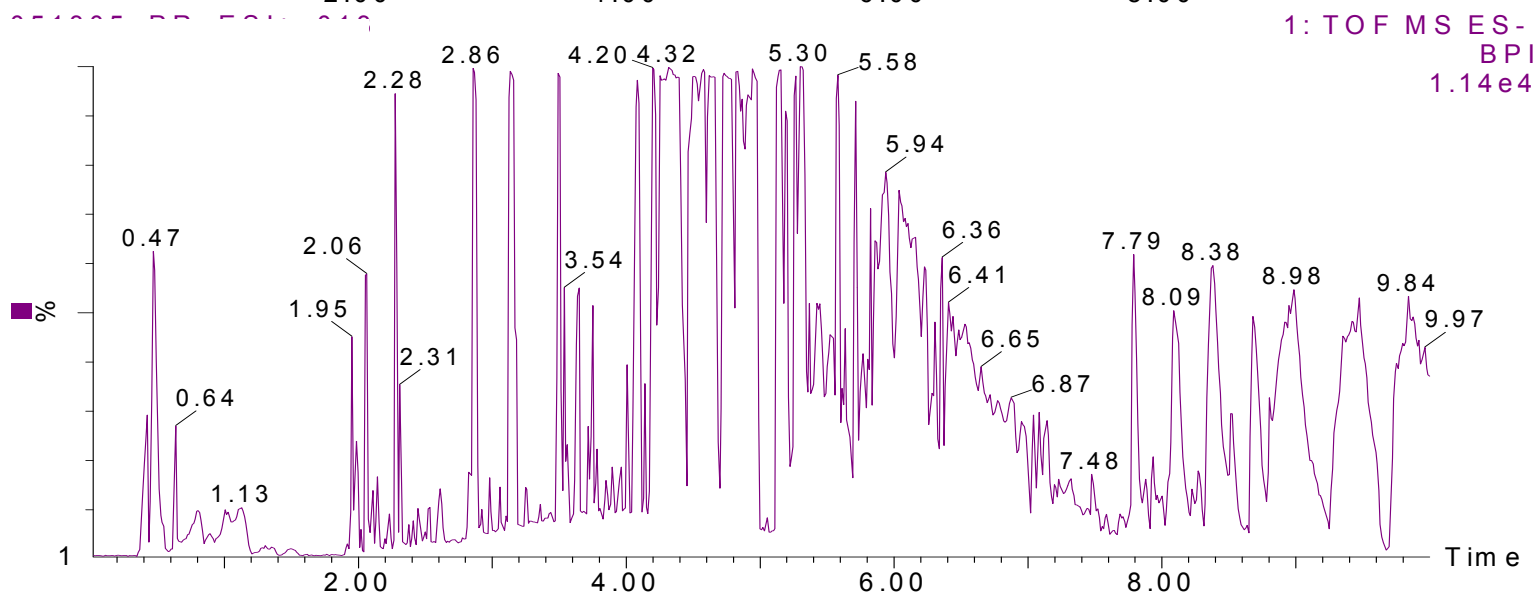


Typical TICs obtained from UPLC-MS (negative ESI) analysis of plasma obtained from A) Wistar-derived and B) Zucker (fa/fa) rats.

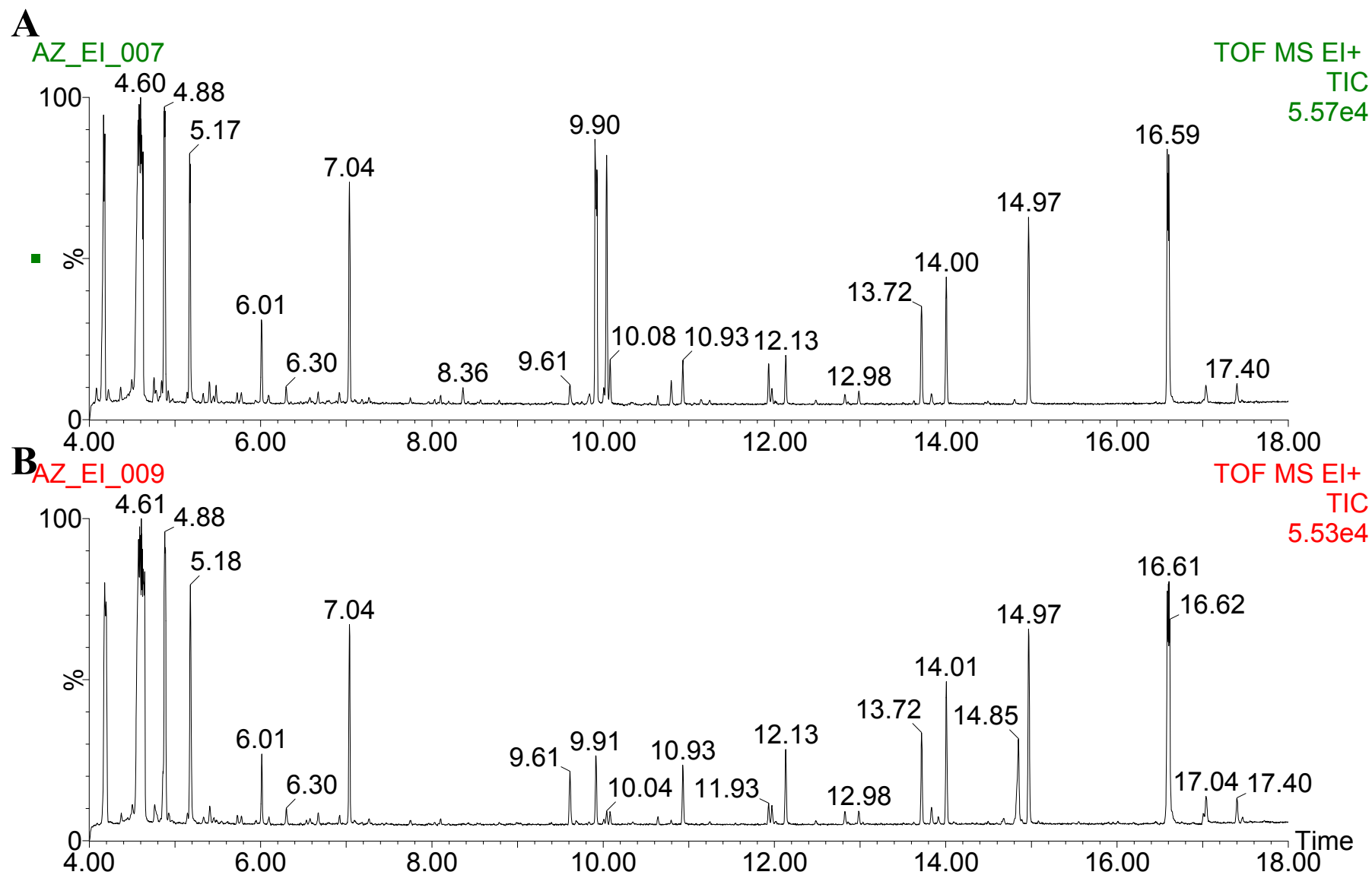
A



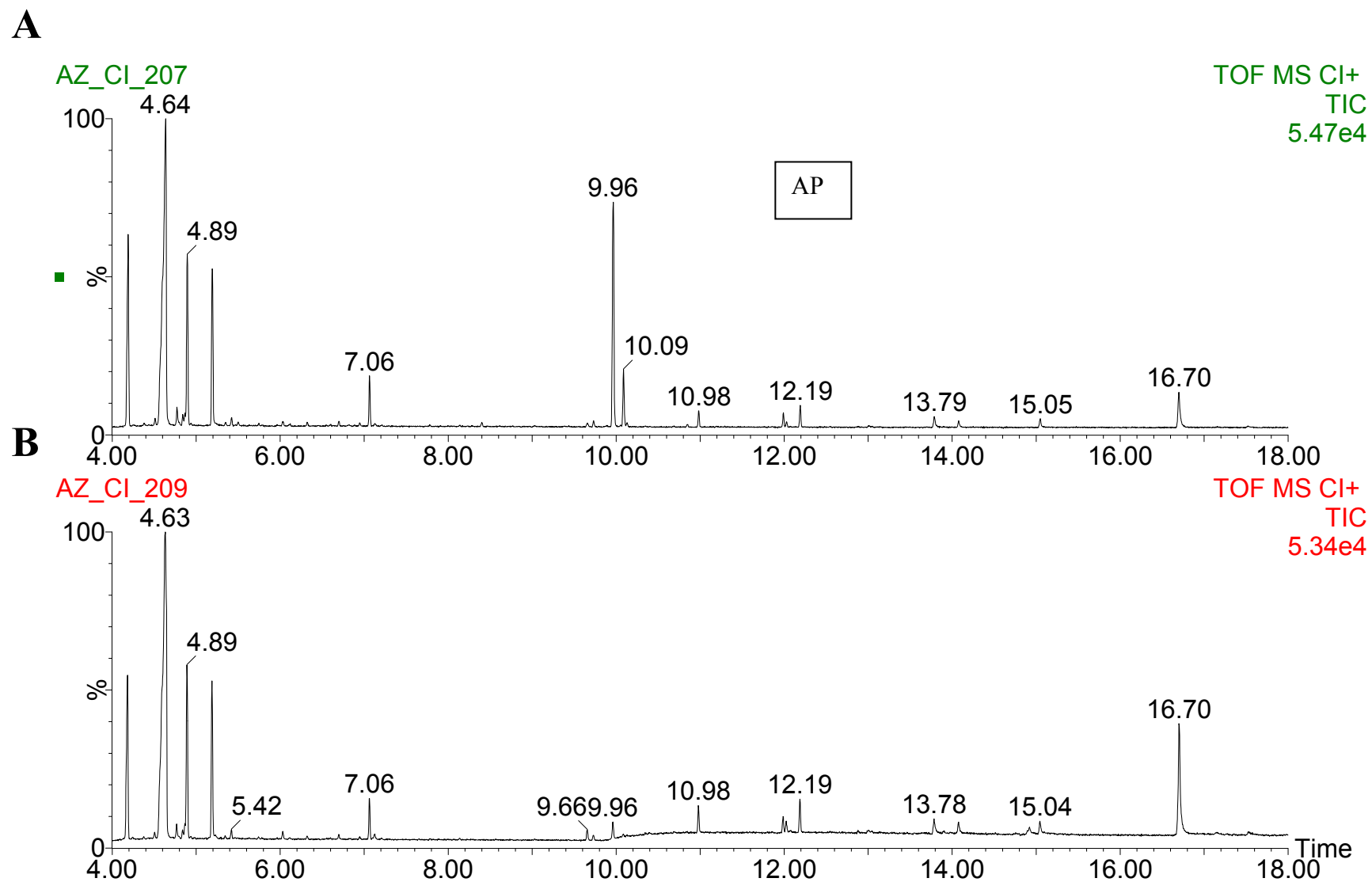
B



Typical TICs obtained from GC-EIMS analysis of plasma obtained from A) Wistar-derived and B) Zucker (fa/fa) rats.

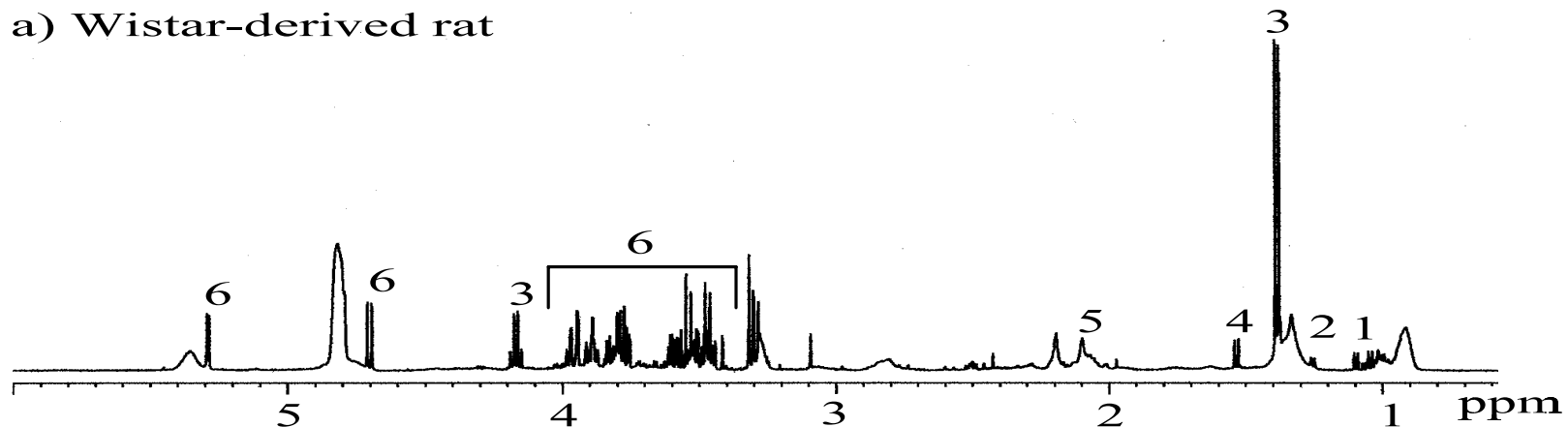


Typical TICs obtained from GC-CIMS analysis of plasma obtained from A) Wistar-derived and B) Zucker (fa/fa) rats

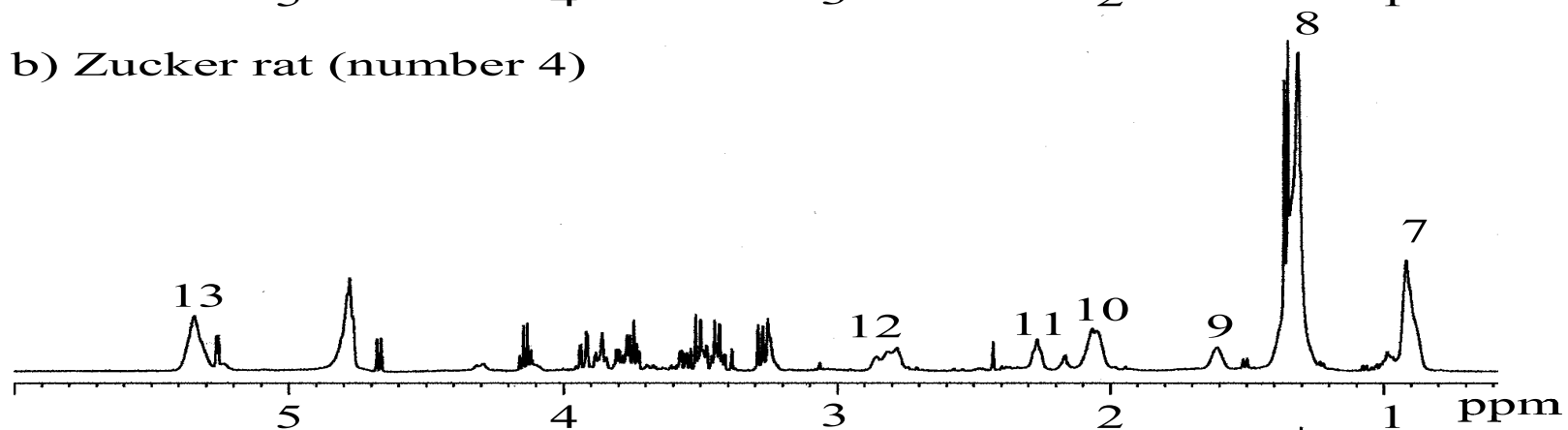


Typical ^1H NMR spectra (CPMG) of plasma obtained from 20 week old A) Wistar-derived and B,C) Zucker rats.

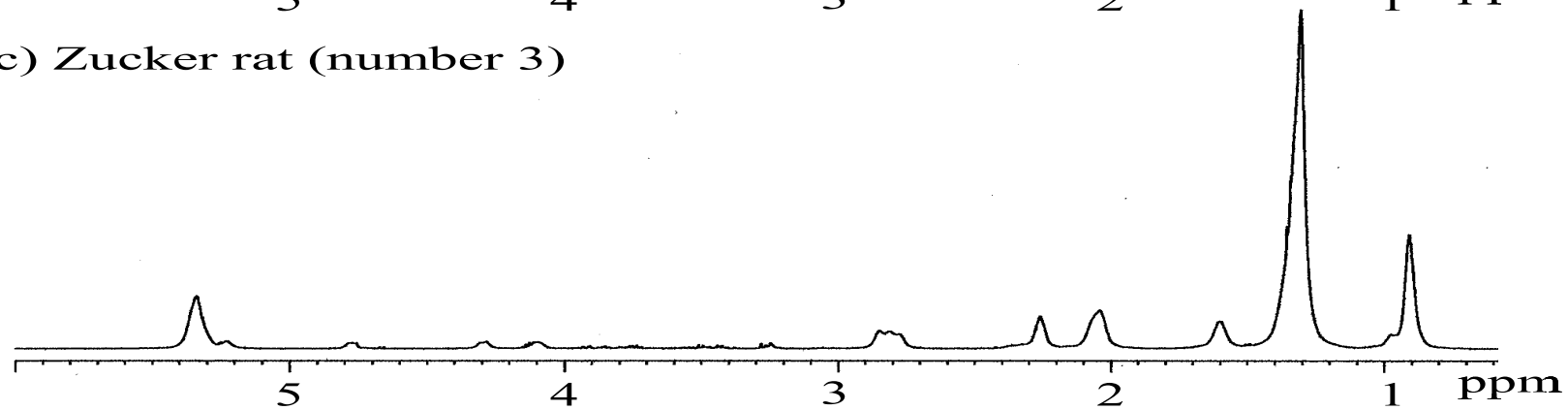
a) Wistar-derived rat



b) Zucker rat (number 4)



c) Zucker rat (number 3)



Key 1, isoleucine/leucine; 2, valine; 3, lactate; 4, alanine; 5, acetate; 6, glucose; 7 very low/low-density lipoprotein terminal methyl;
8, very low/low density lipoprotein $(\text{CH}_2)_n$, 9, lipid $\text{CH}_2^*\text{CH}_2\text{CO}$; 10, *N*-acetyl glycoprotein / lipid $\text{CH}_2^*-\text{C}=\text{C}$; 11, lipid CH_2^*CO ;
12, lipid $\text{C}=\text{C}-\text{CH}_2^*-\text{C}=\text{C}$; 13, unsaturated lipid $\text{C}=\text{CH}^*\text{CH}_2\text{CH}_2$