

Supplementary Information

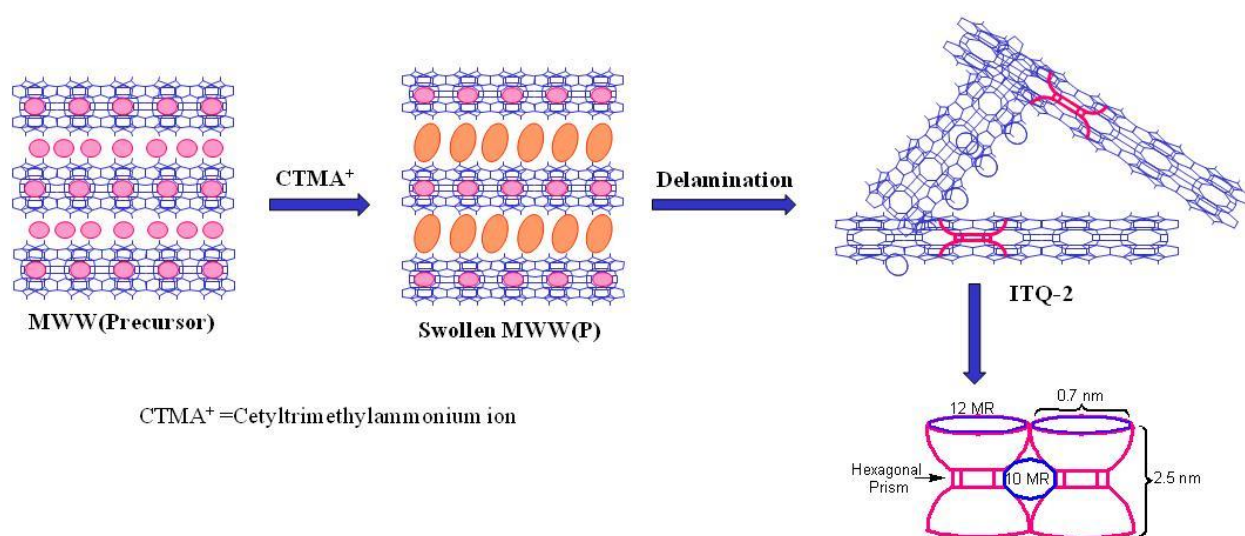


Figure S1. Schematic representation of the swelling step of MWW zeolite precursor with alkylammonium molecules followed by delamination giving a delaminated ITQ-2 zeolite conformed by disordered MWW sheets.

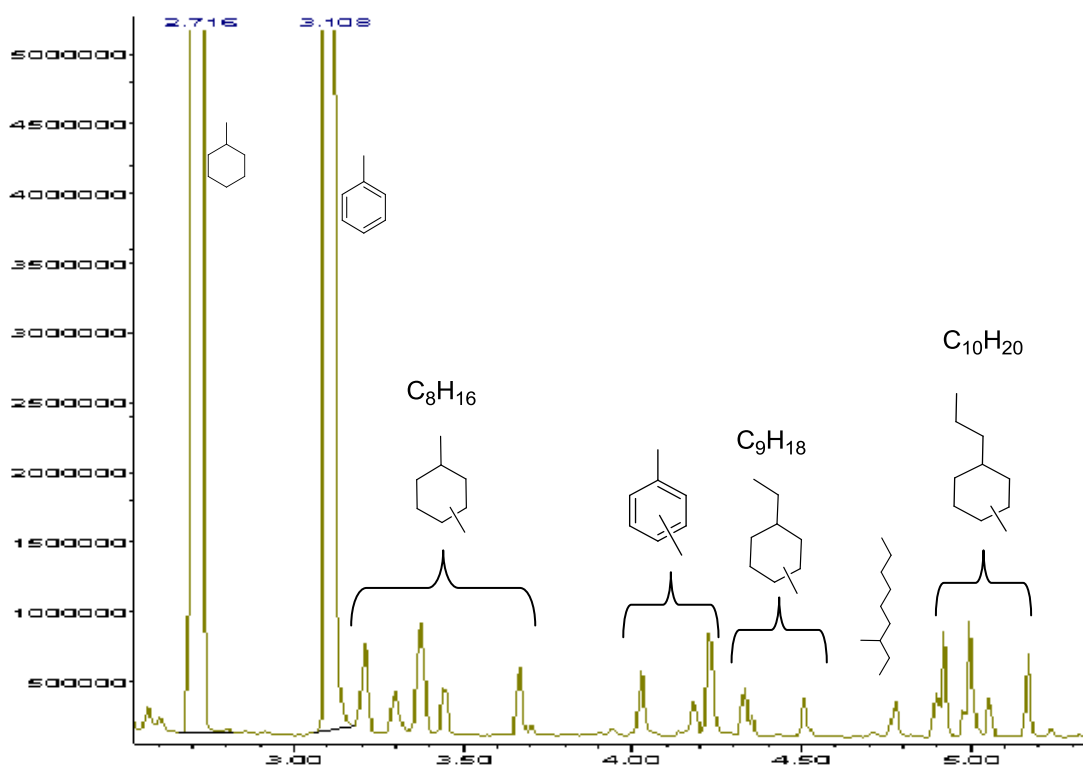
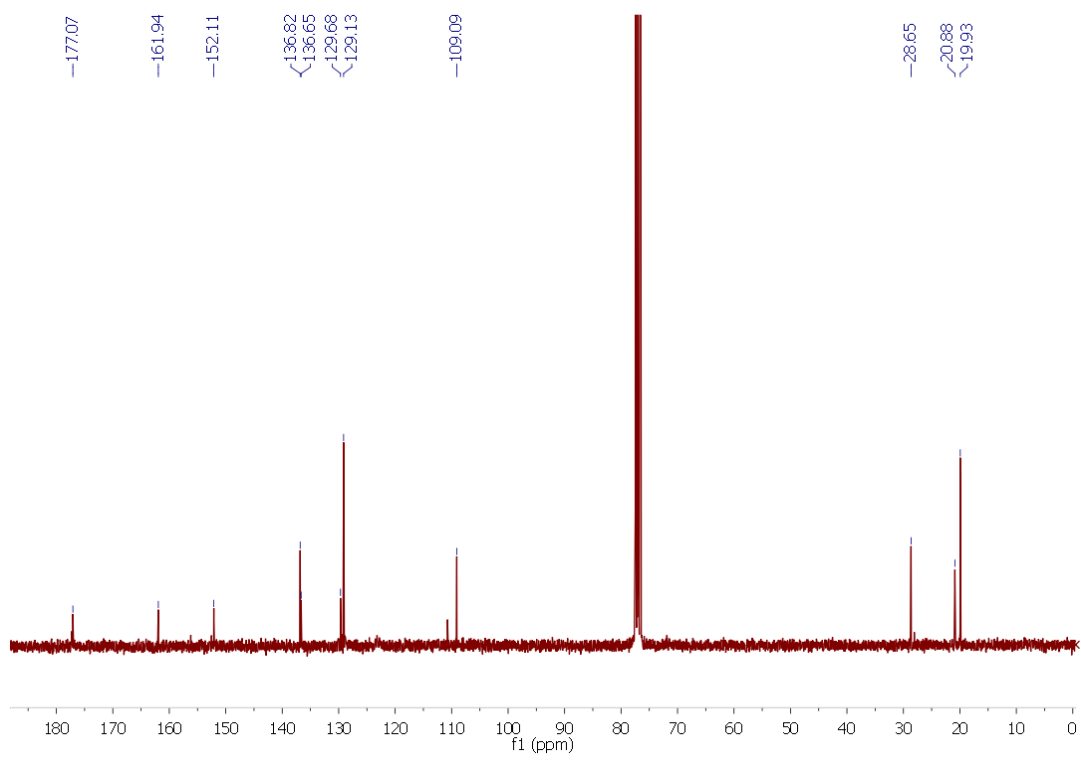
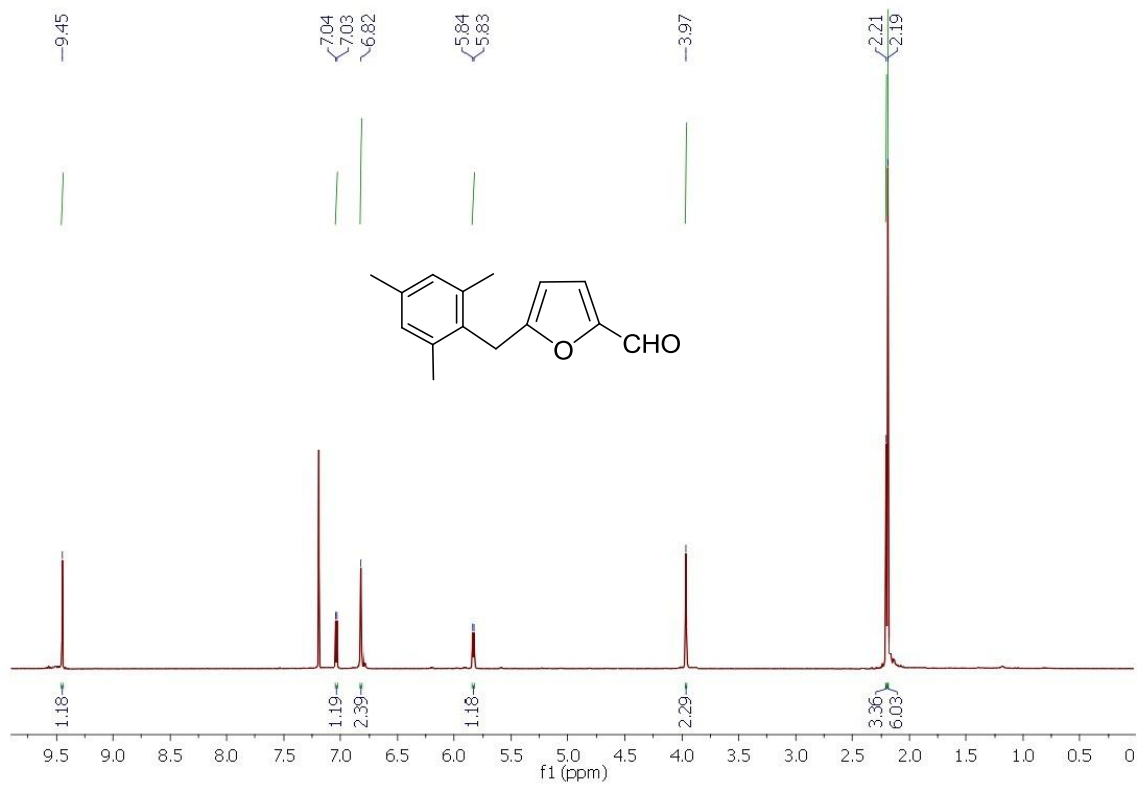


Figure S2. Analysis of the products boiling in the gasoline range (up to 200 °C).



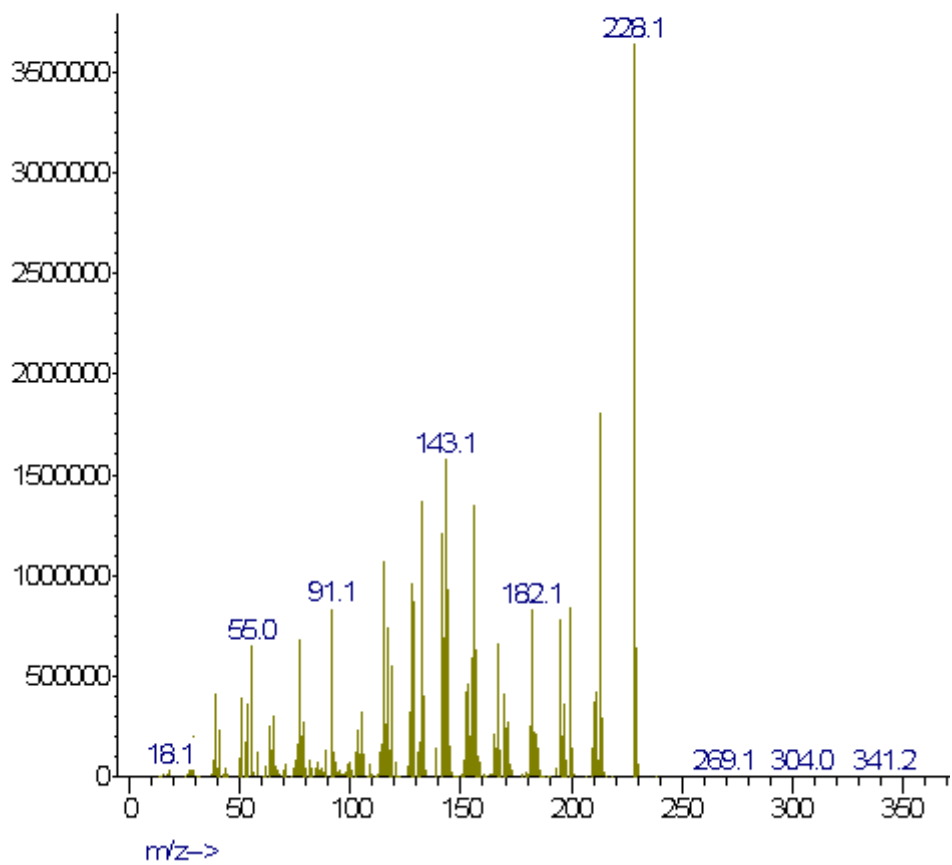
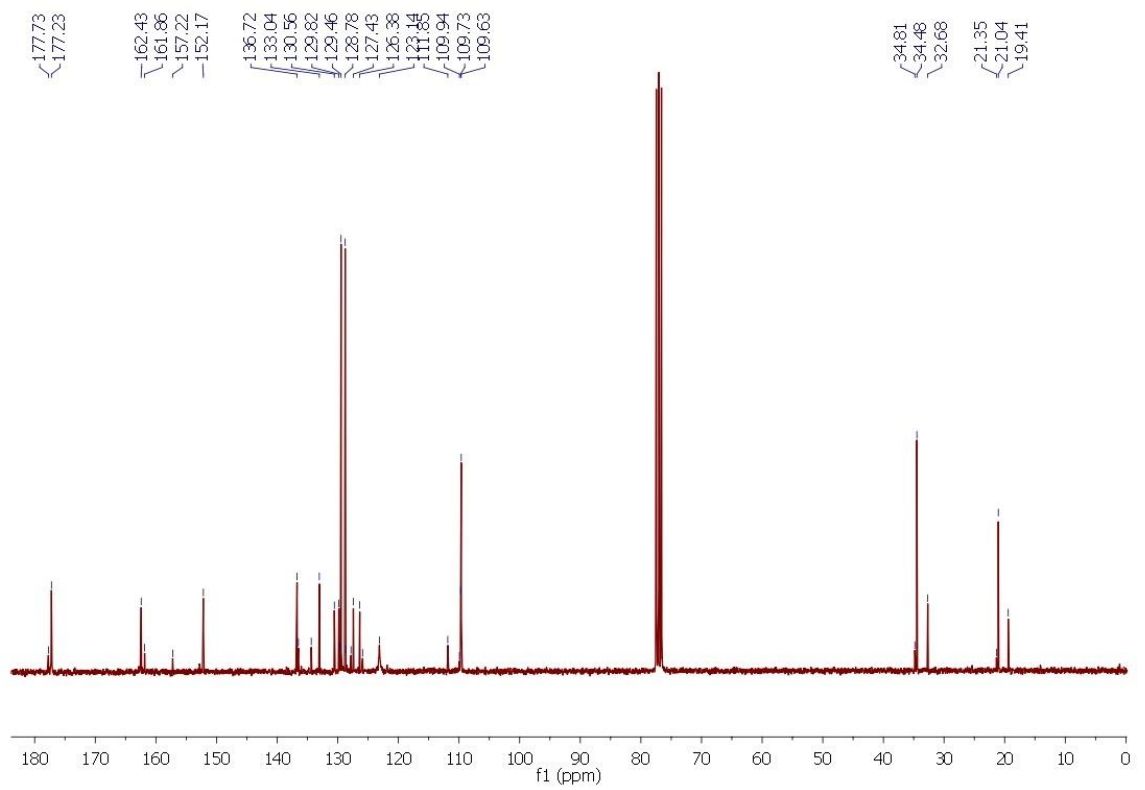
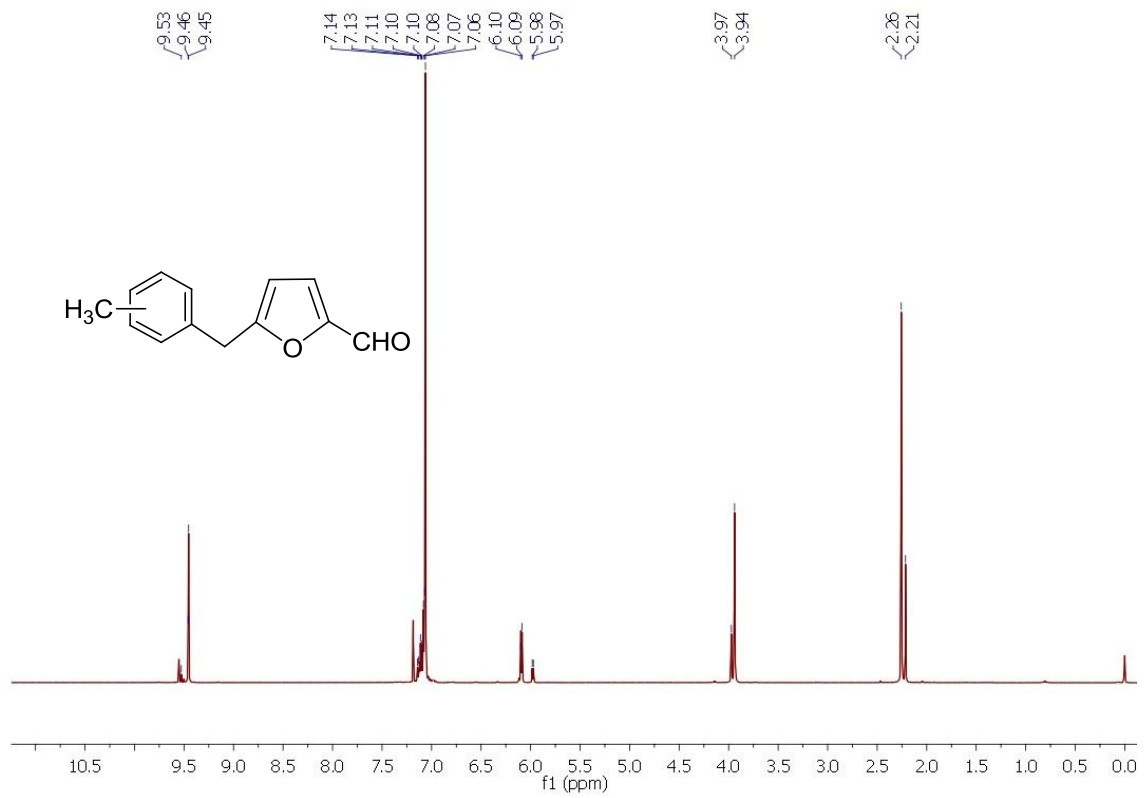
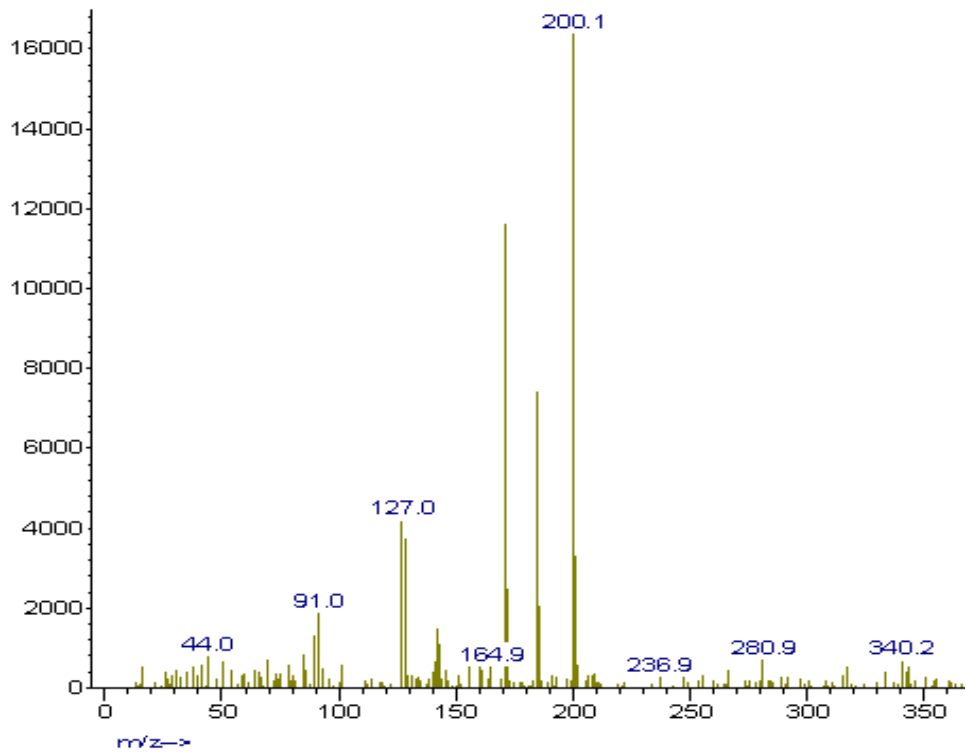
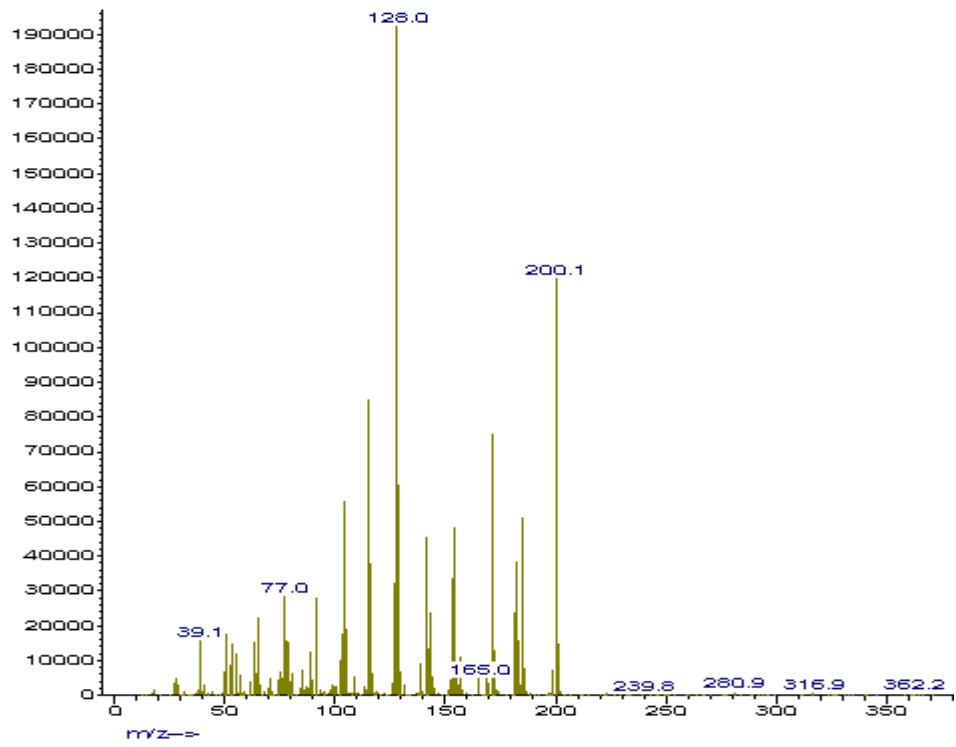


Figure S3. Mass and ^1H and ^{13}C spectra of the 5-(mesityl)benzylfuran-2-carbaldehyde.





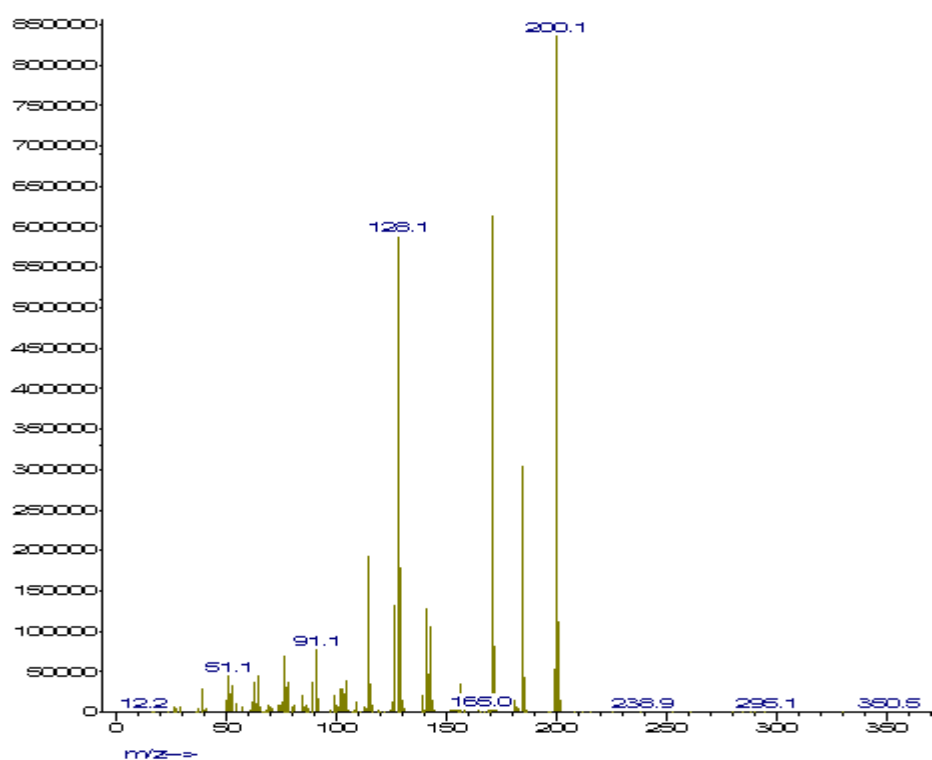
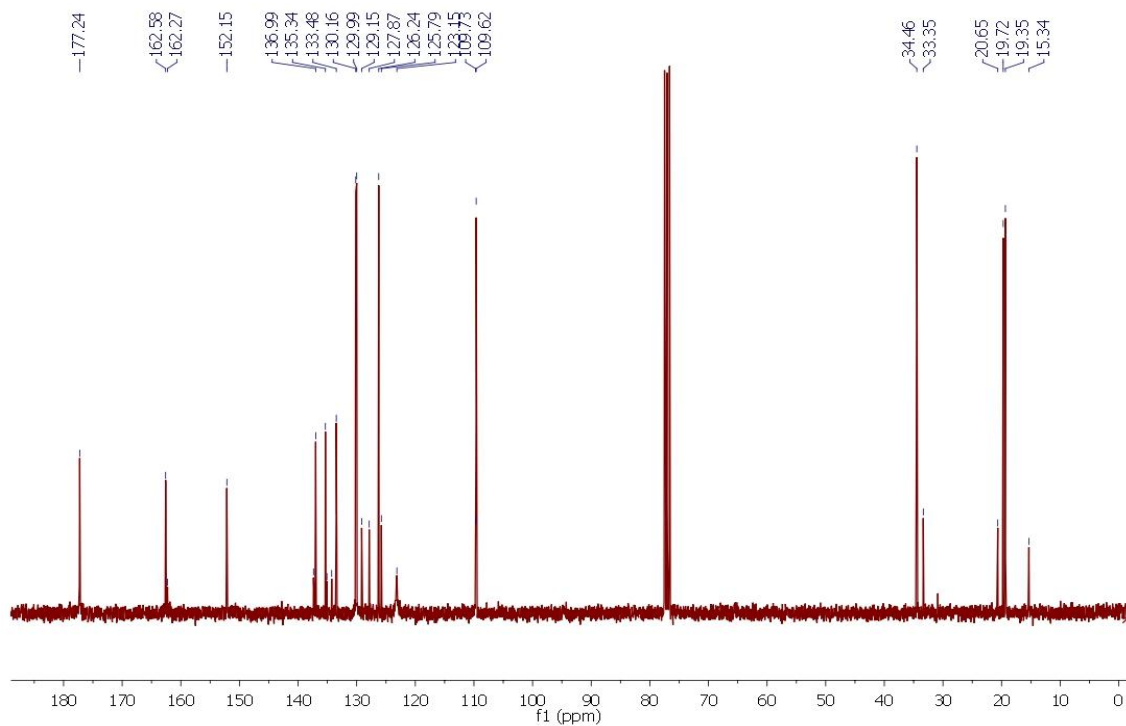
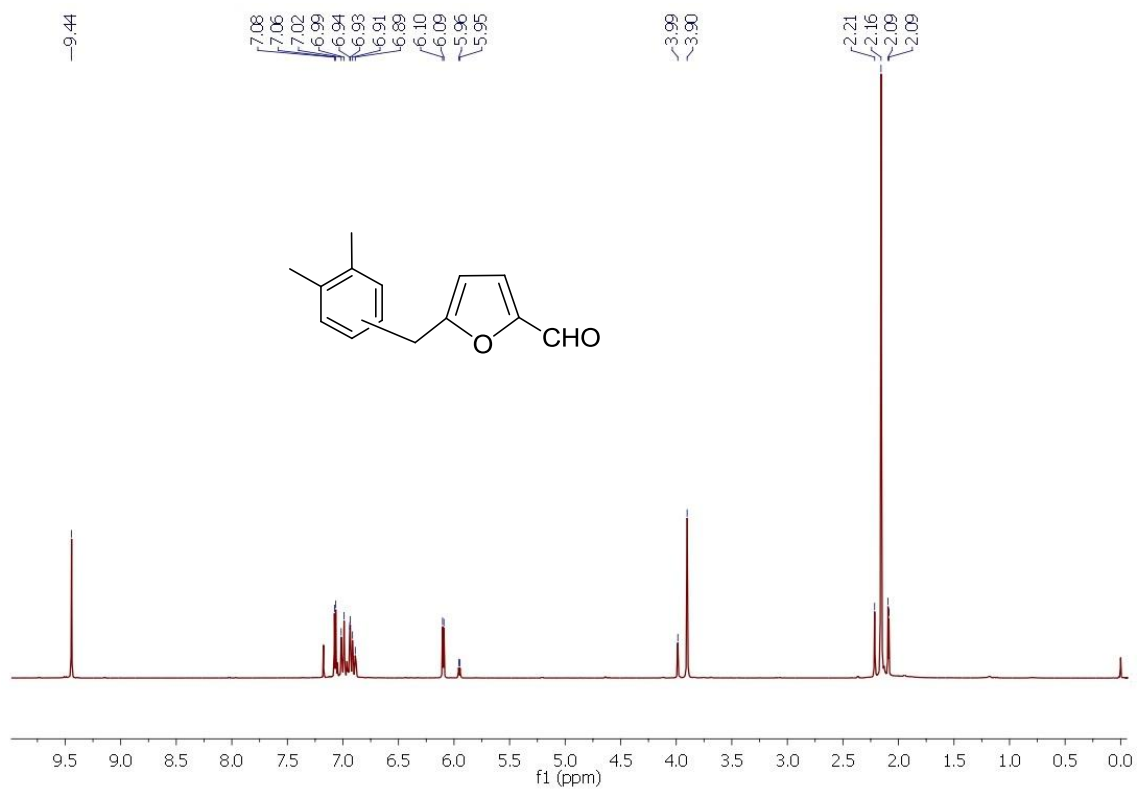


Figure S4. Mass and ^1H and ^{13}C spectra of the 5-(o-m and p-Methyl)benzylfuran-2-carbaldehyde.



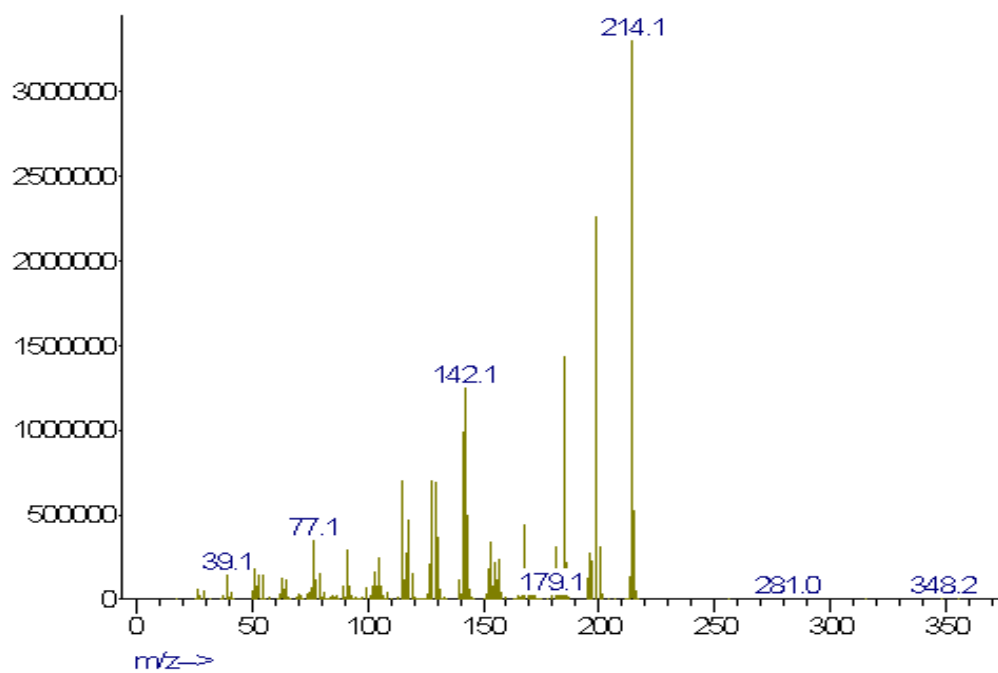
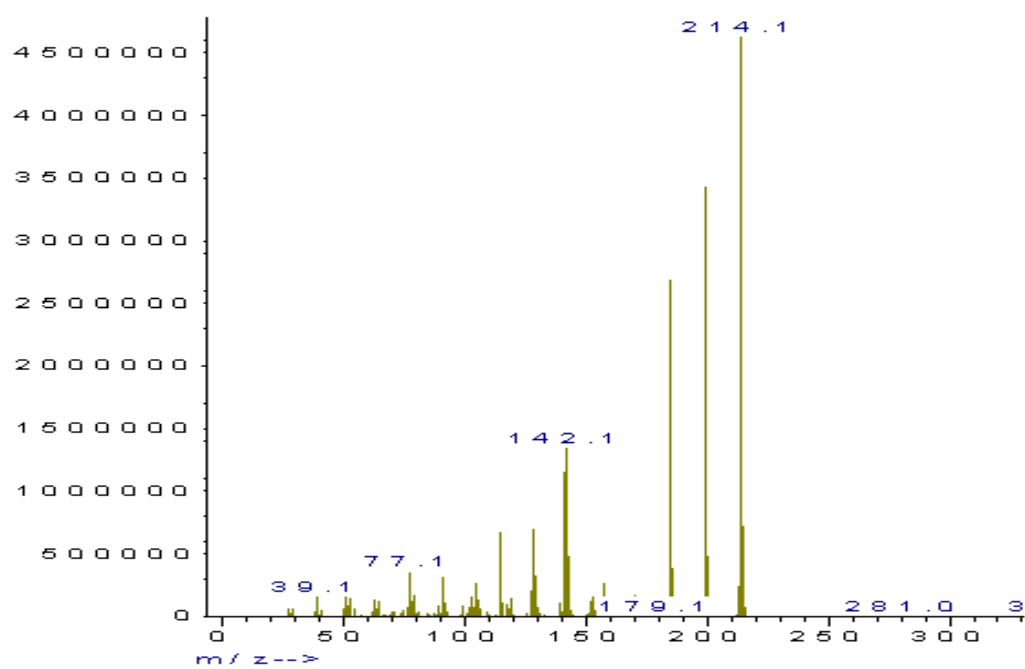
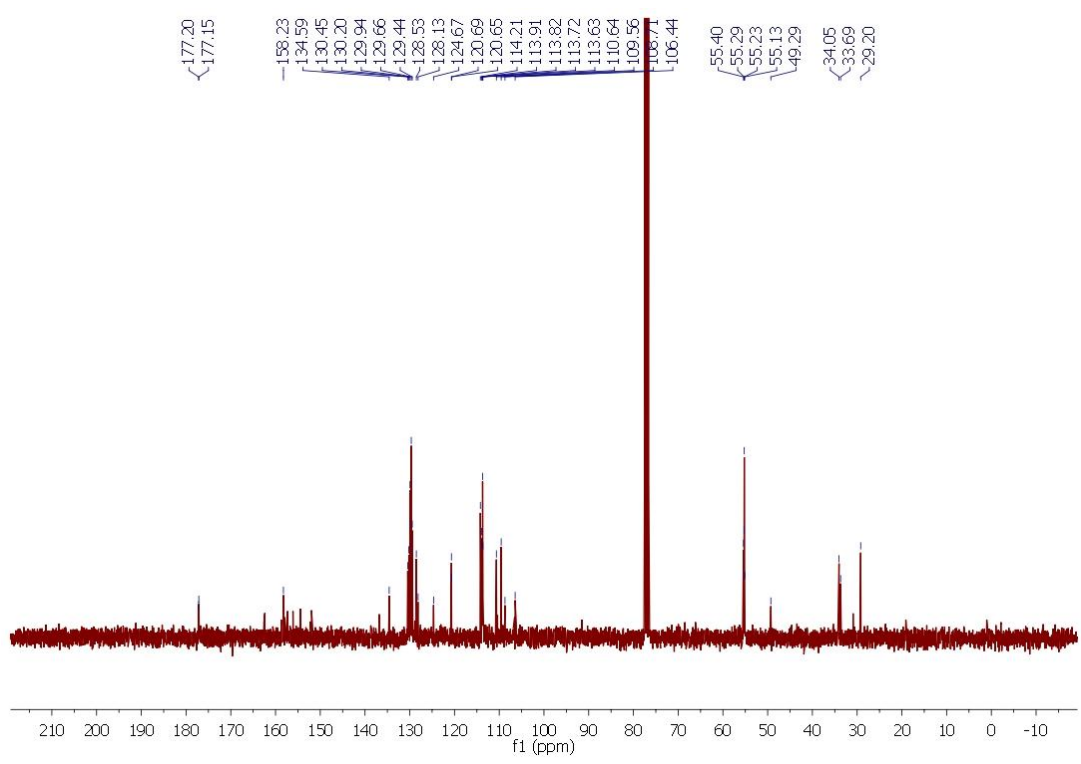
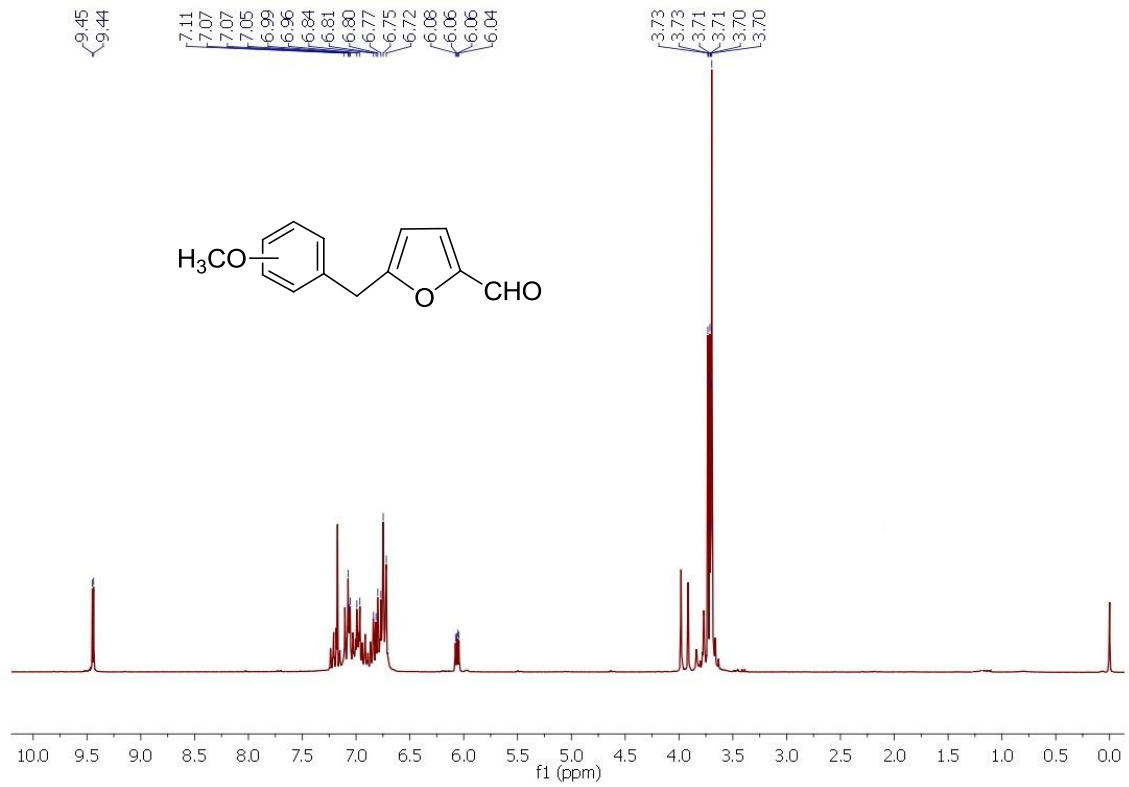


Figure S5. Mass and ^1H and ^{13}C spectra of the 5-(2,3-and 3,5-dimethyl)benzylfuran-2-carbaldehyde.



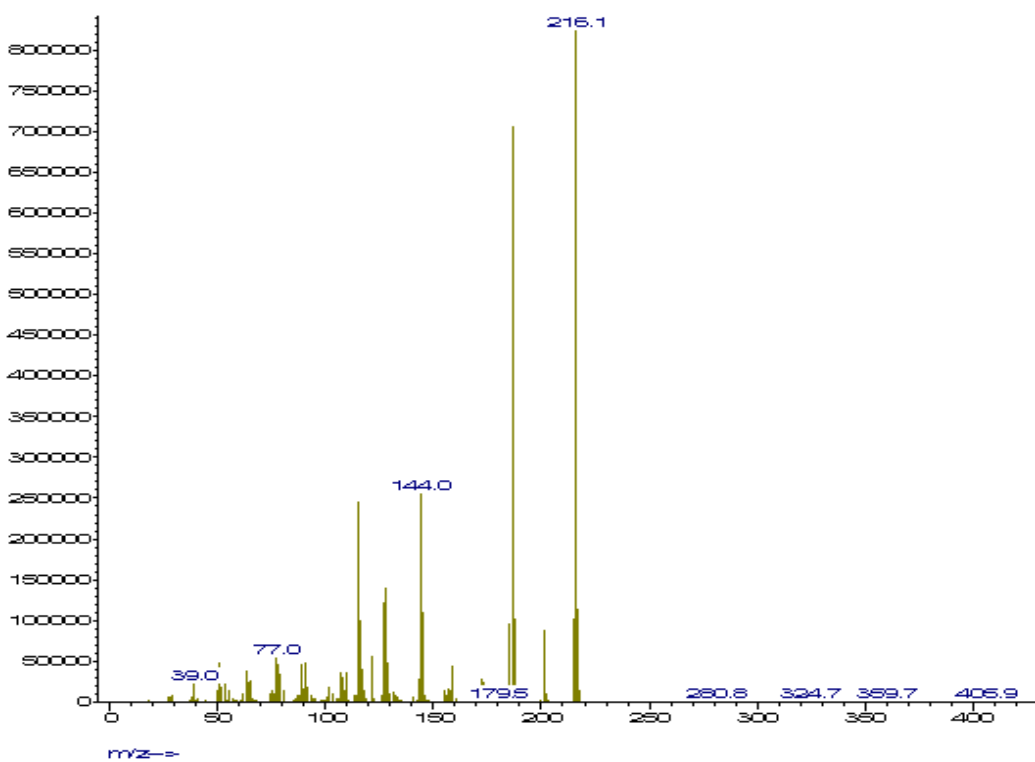
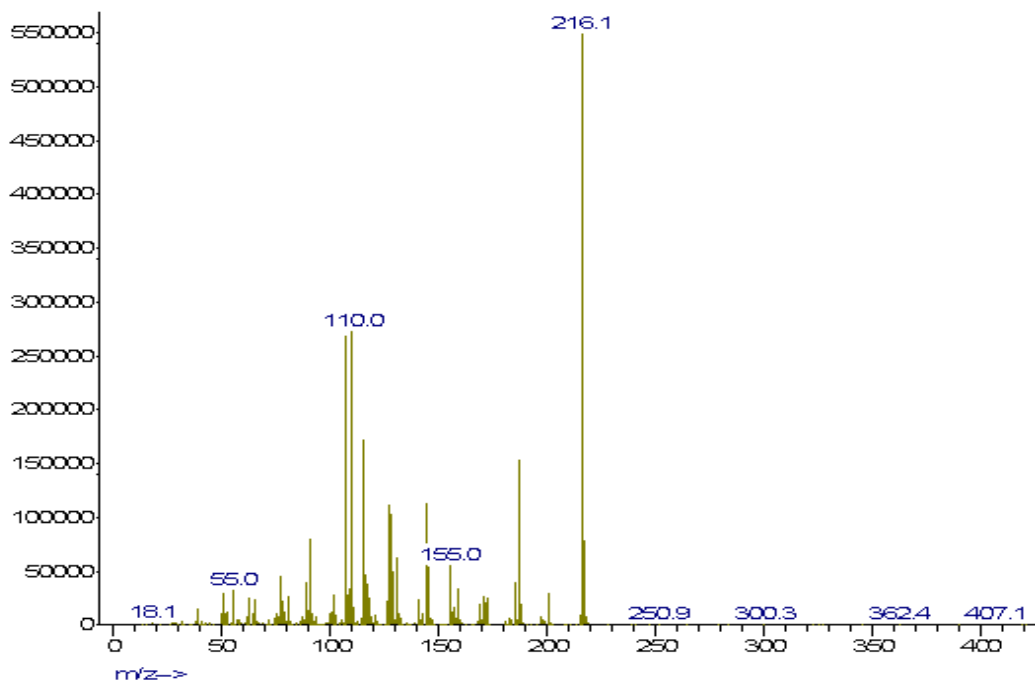
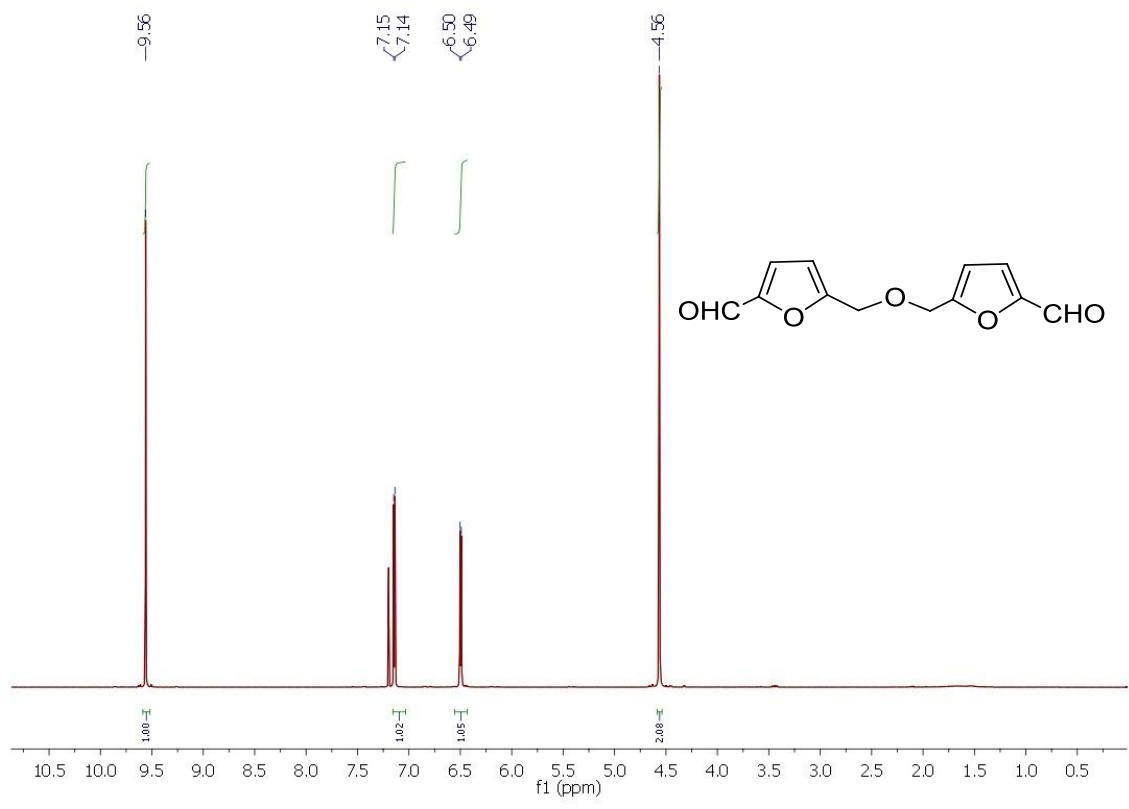


Figure S6. Mass and ¹H and ¹³C spectra of the 5-(o and p-methoxy)benzylfuran-2-carbaldehyde.



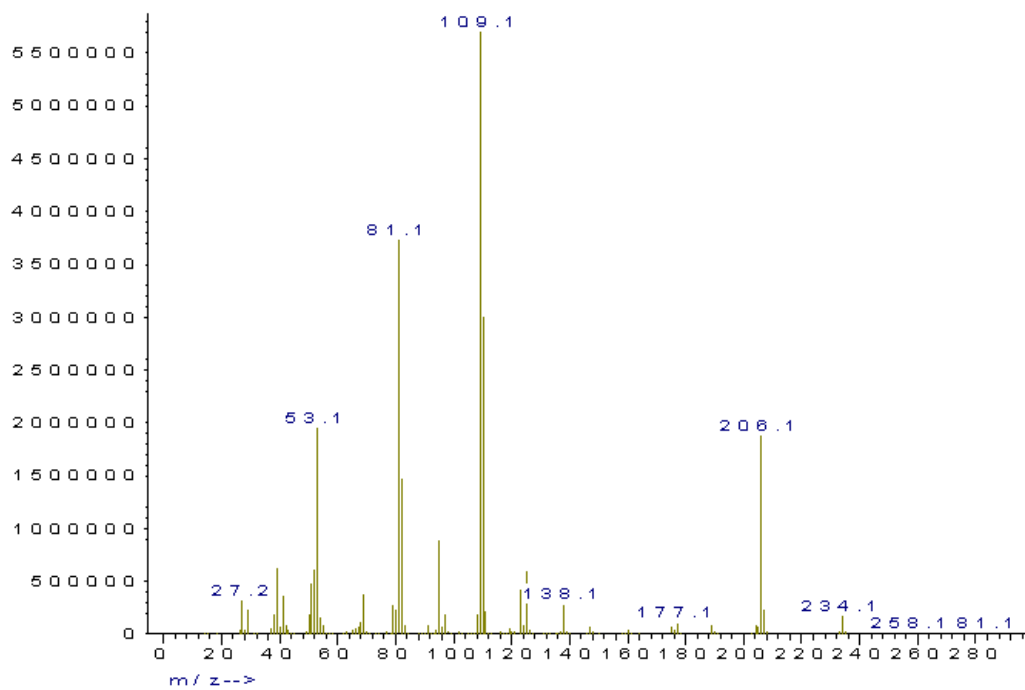
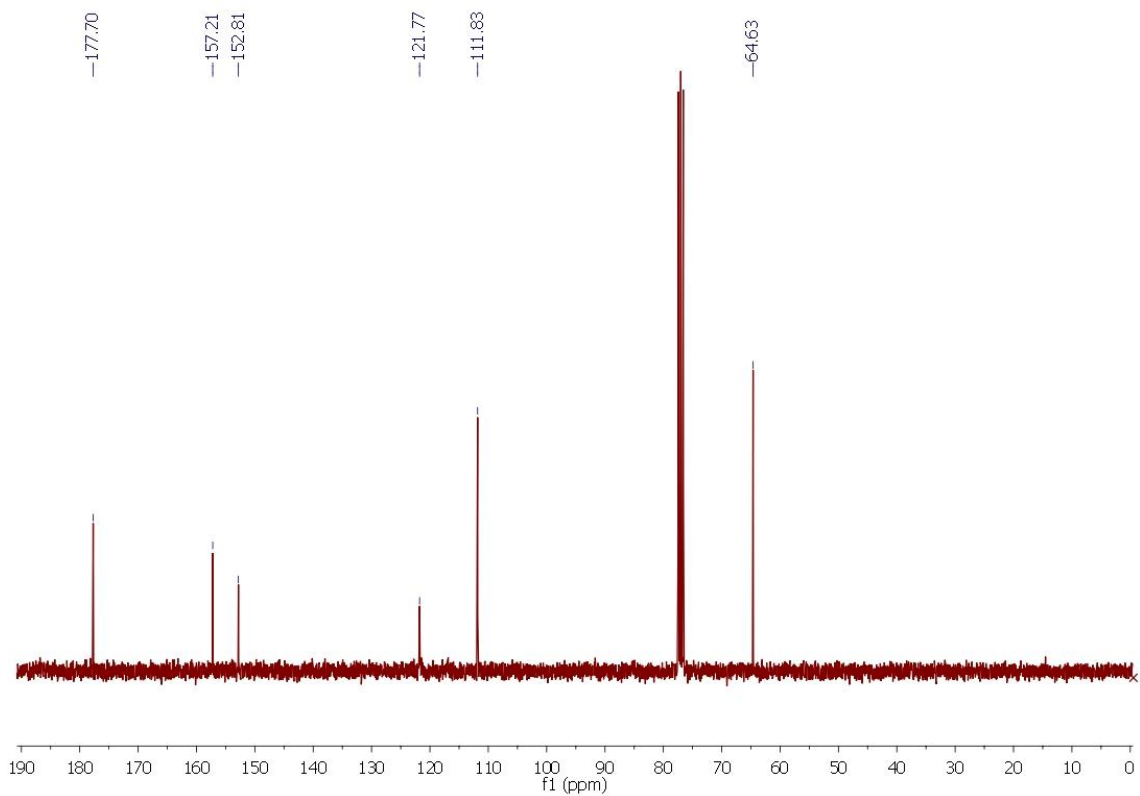


Figure S7. Mass and ^1H and ^{13}C spectra of the 5,5-oxy(bis-methylene)-2-furaldehyde.

Table S1. Crystal size of the different USY samples

Catalyst	Si/Al	Crystal size (nm)
USY-300	2.6	621
USY-500	2.7	573
USY-712	5.6	627
USY-720	12.2	586
USY-760	27	650
USY-MY	4.3	541
USY-HMY	5.3	513