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Supplementary Information for:

Transfer Hydrogenation and Hydration of Aromatic Aldehydes and Nitriles Using Heterogeneous NiO Nanofibers as a Catalyst

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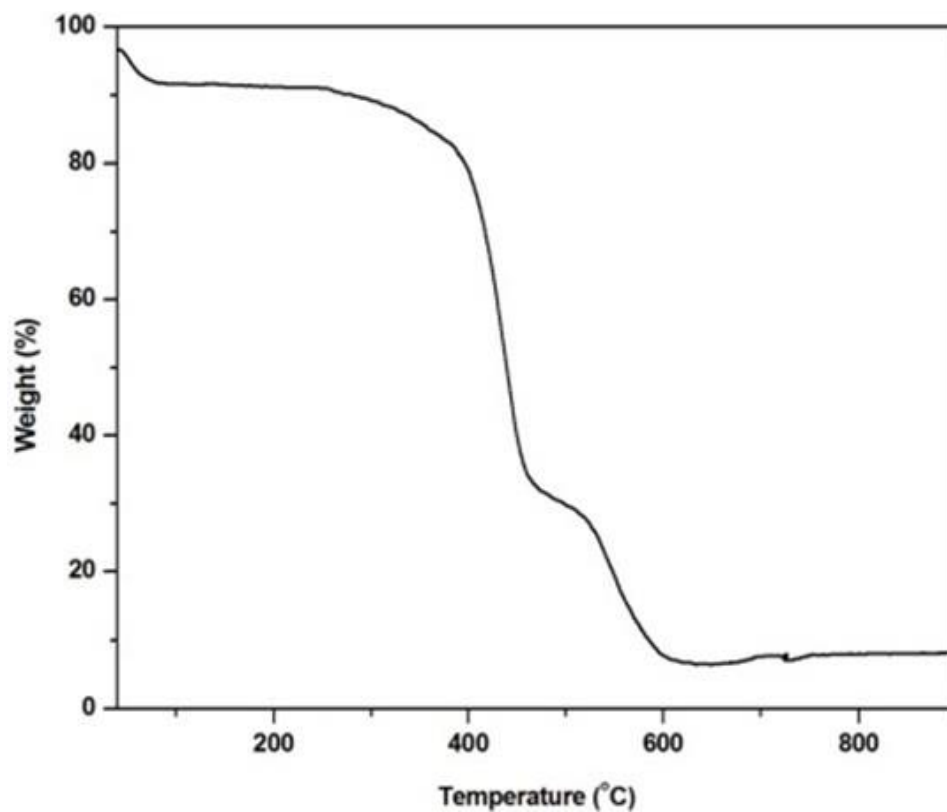


Figure S1. TGA curve of Composite NFs

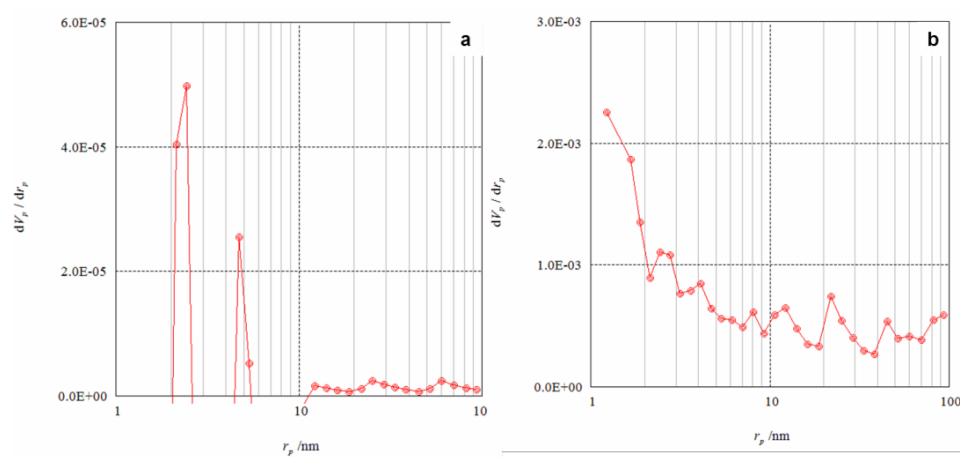
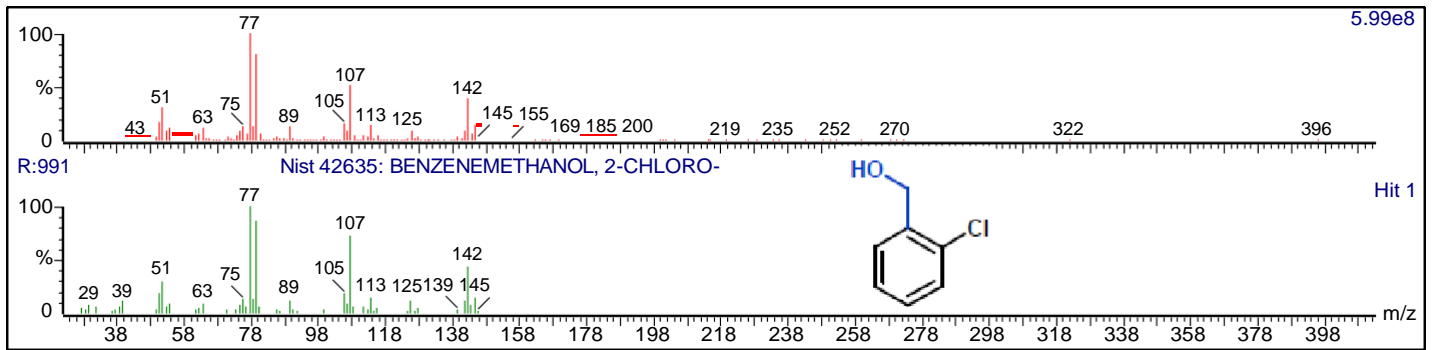


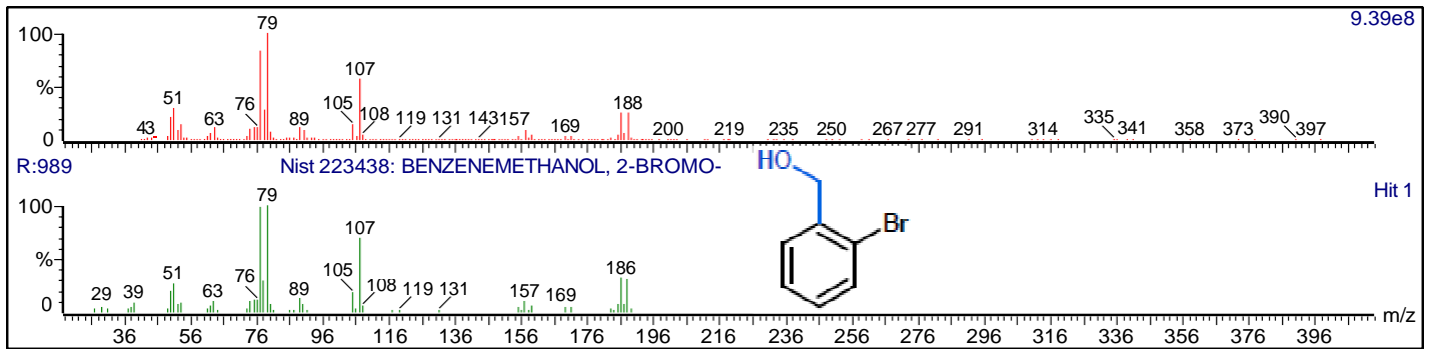
Figure S2. Plot of pore size distribution of (a) Composite and (b) NiO NFs

GC-MS spectra of Hydrogenated and Hydrated Products

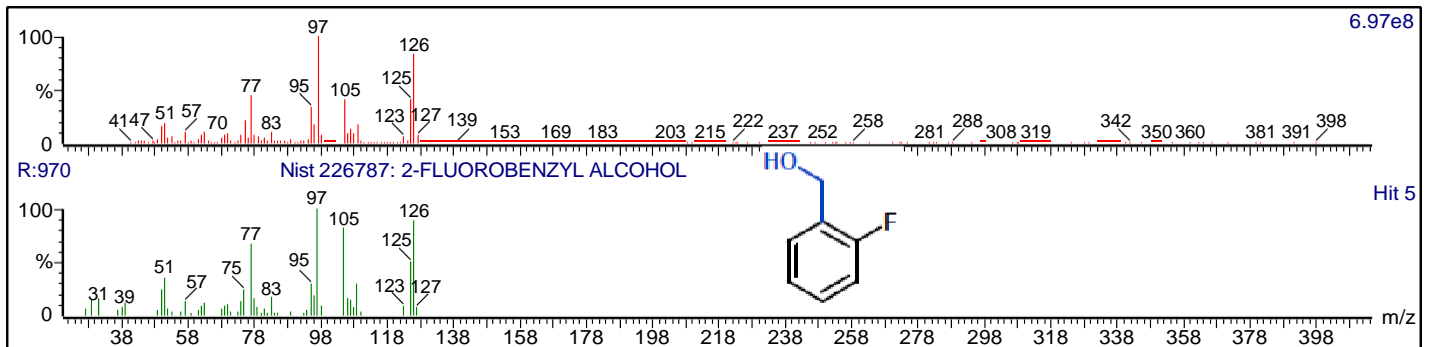
Compound 1a (2-Chlorobenzenemethanol)



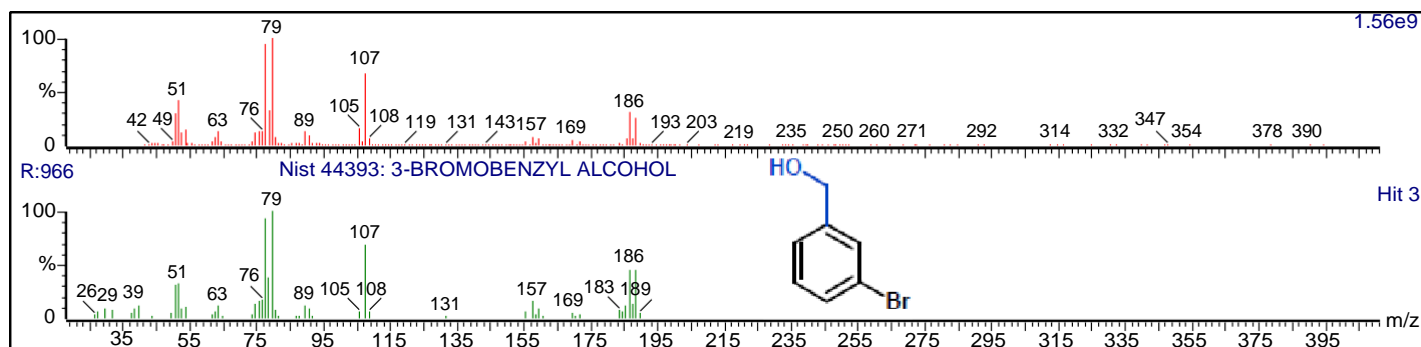
Compound 1b (2-Bromobenzenemethanol)



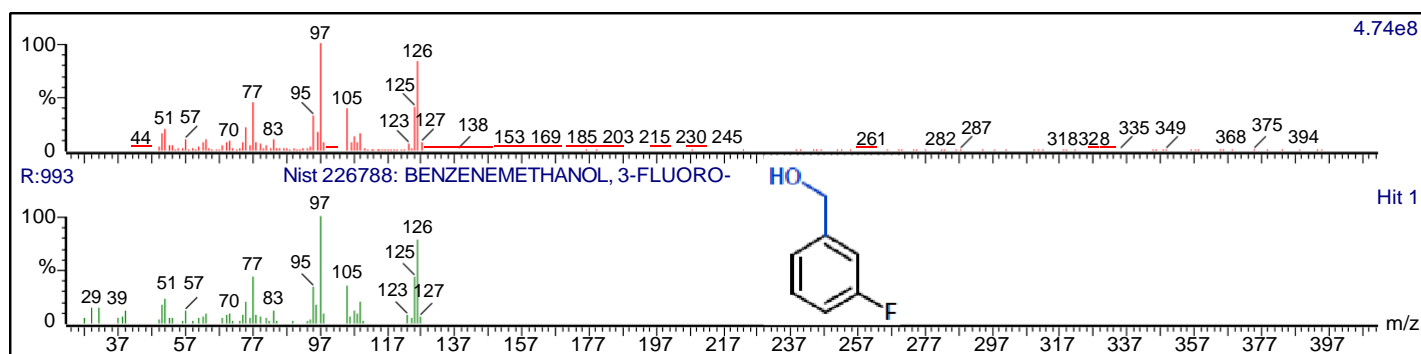
Compound 1c (2-Fluorobenzenemethanol)



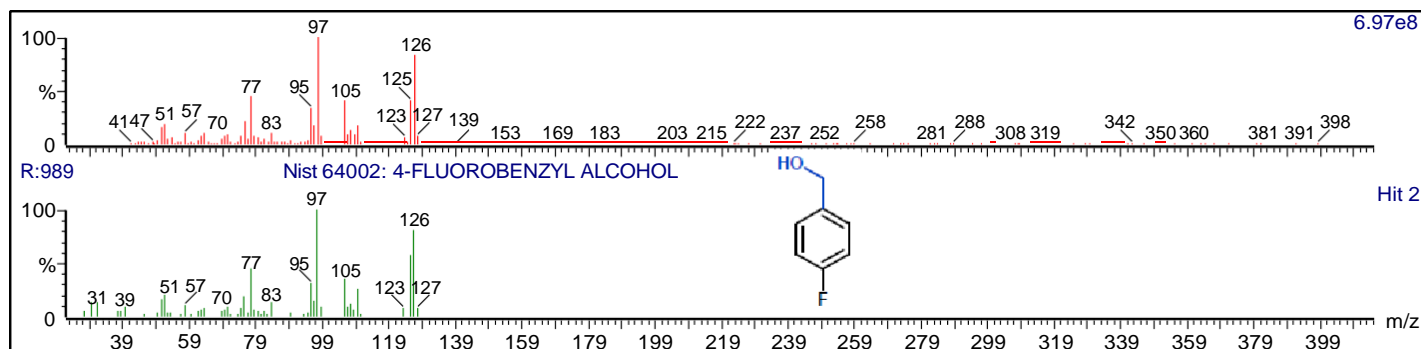
Compound 1d (3-Bromobenzenemethanol)



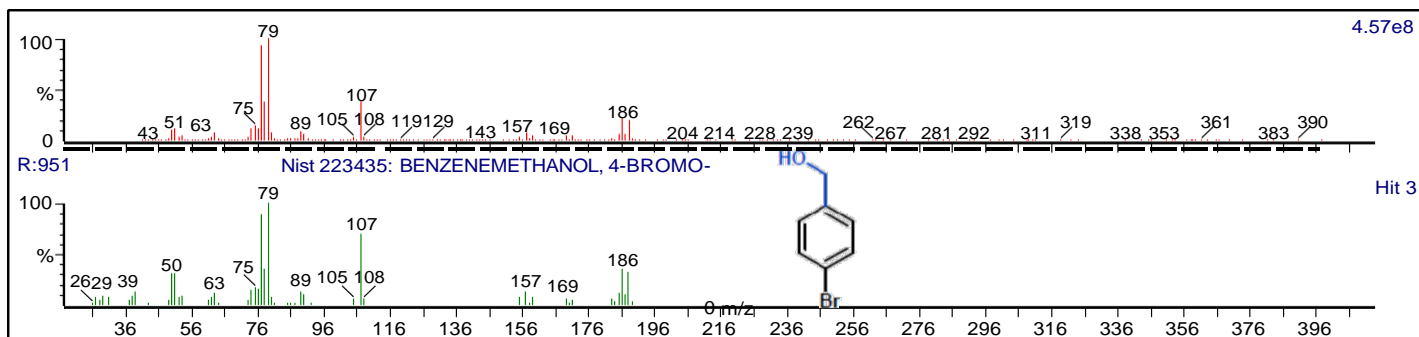
Compound 1g (3-Fluorobenzenemethanol)



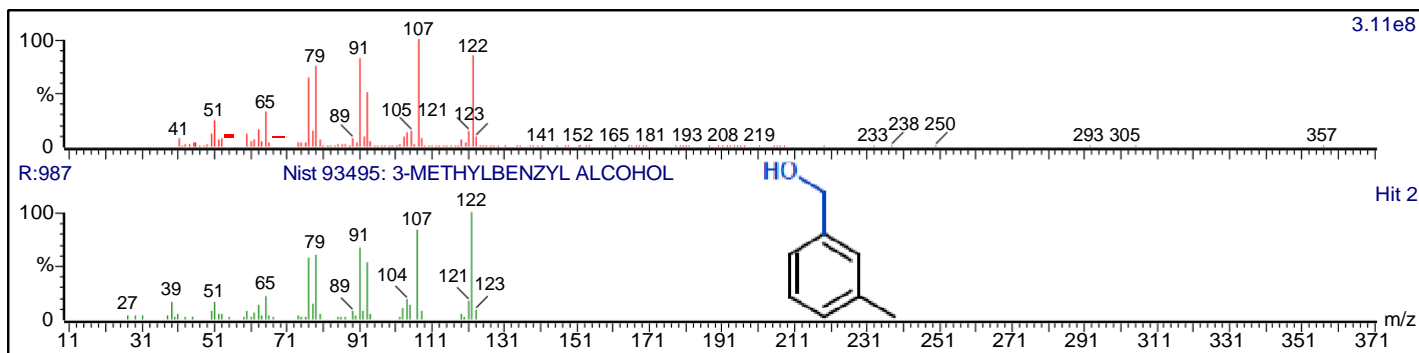
Compound 1f (4-Fluorobenzenemethanol)



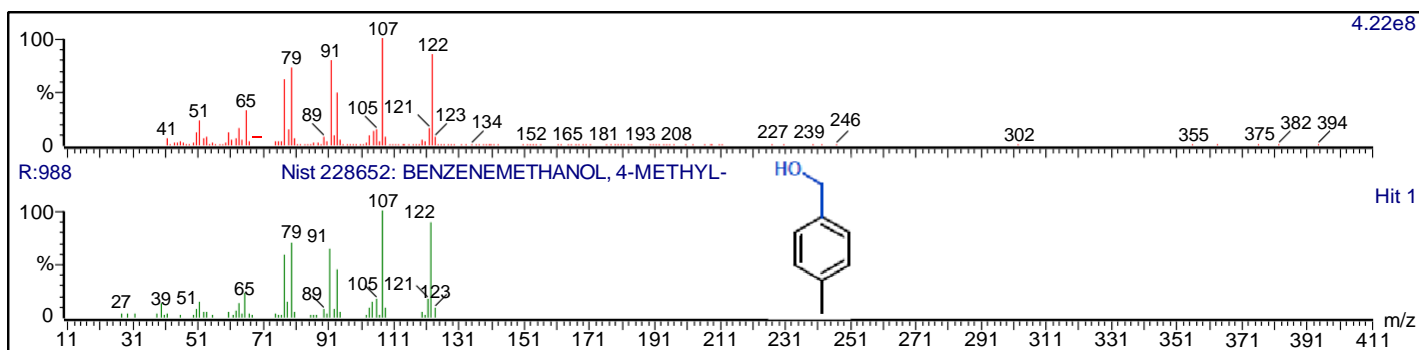
Compound 1e (4-Bromobenzenemethanol)



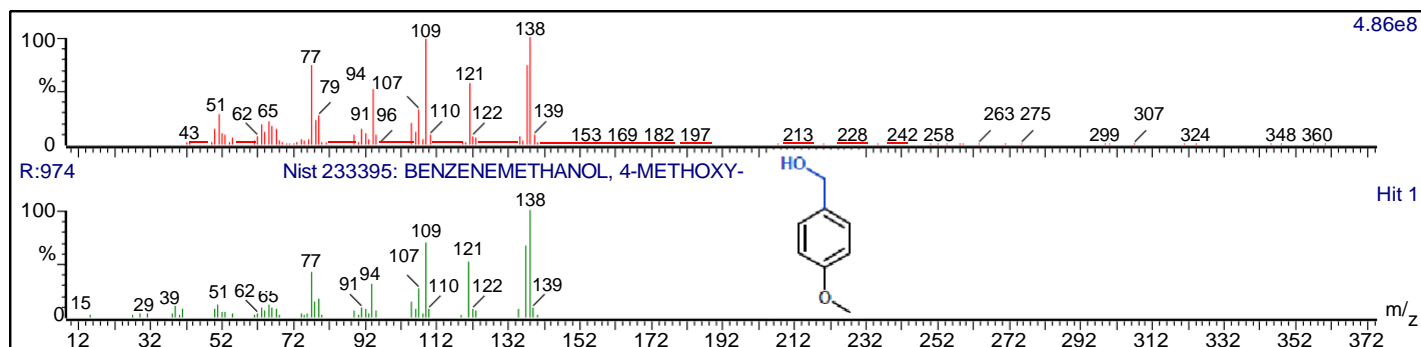
Compound 1i (3-Methylbenzenemethanol)



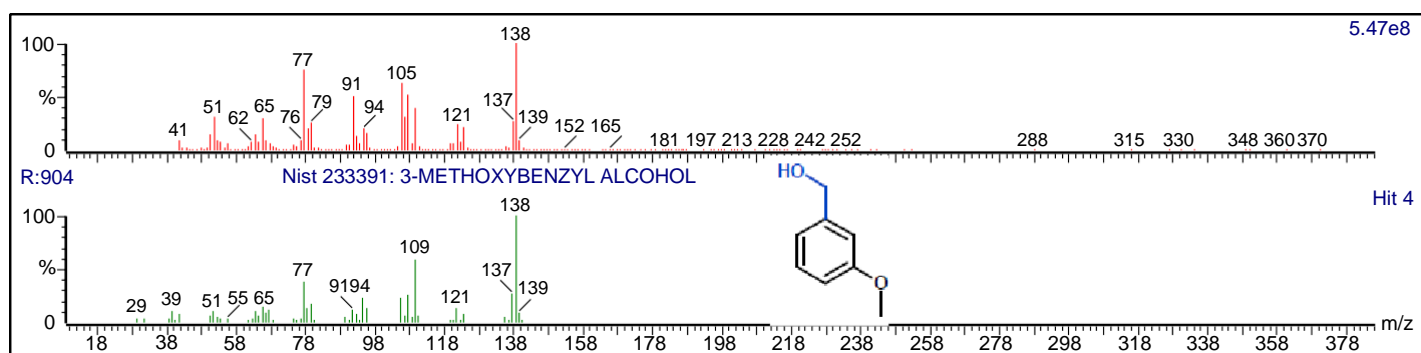
Compound 1h (4-Methylbenzenemethanol)



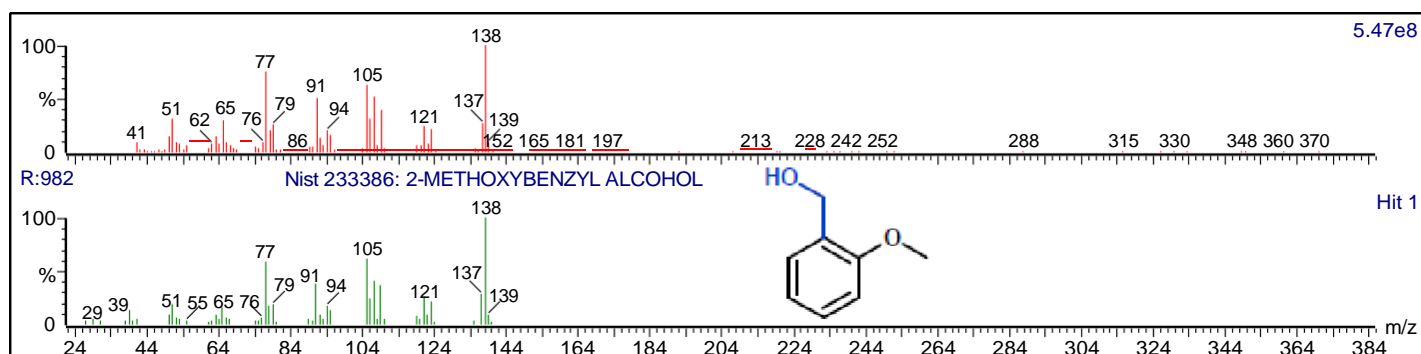
Compound 1k (4-Methoxybenzenemethanol)



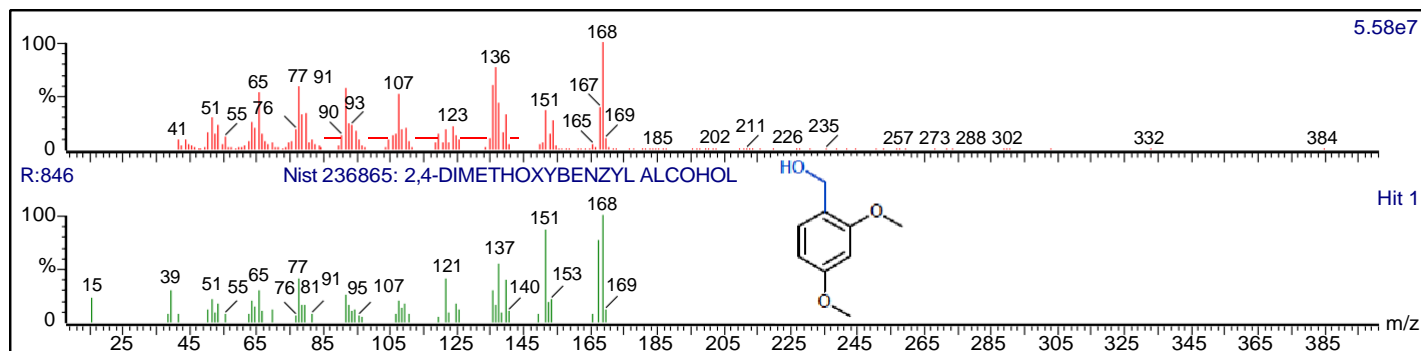
Compound 1j (3-Methoxybenzenemethanol)



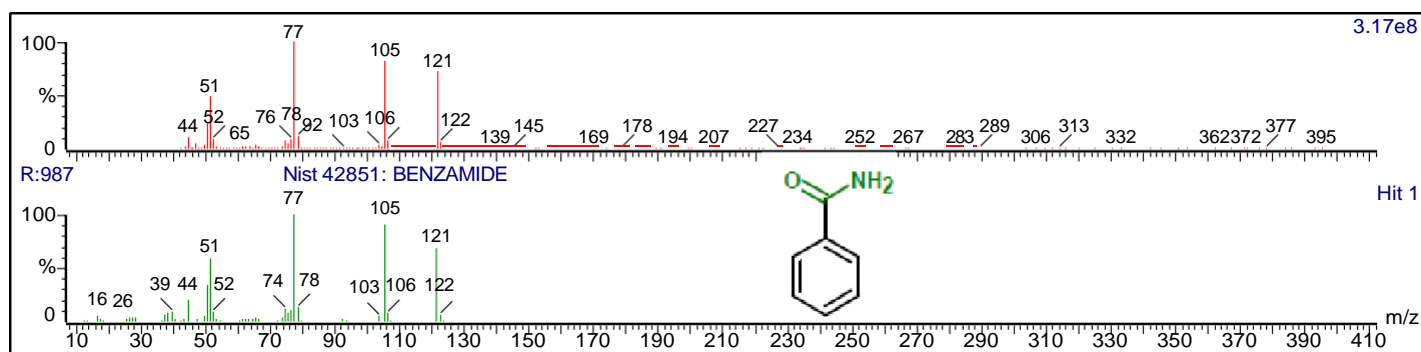
Compound 1l (2-Methoxybenzenemethanol)



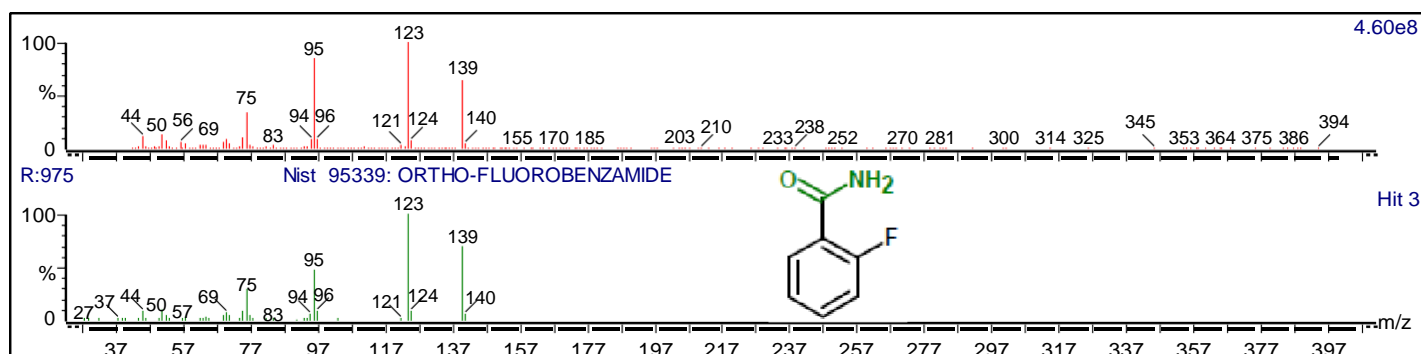
Compound 1m (2,4-Dimethoxybenzenemethanol)



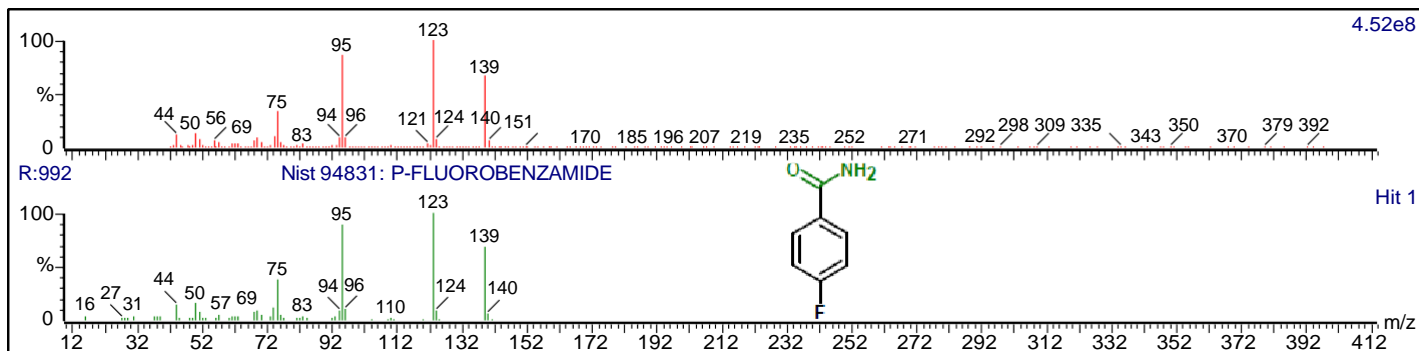
Compound 2a (Benzamide)



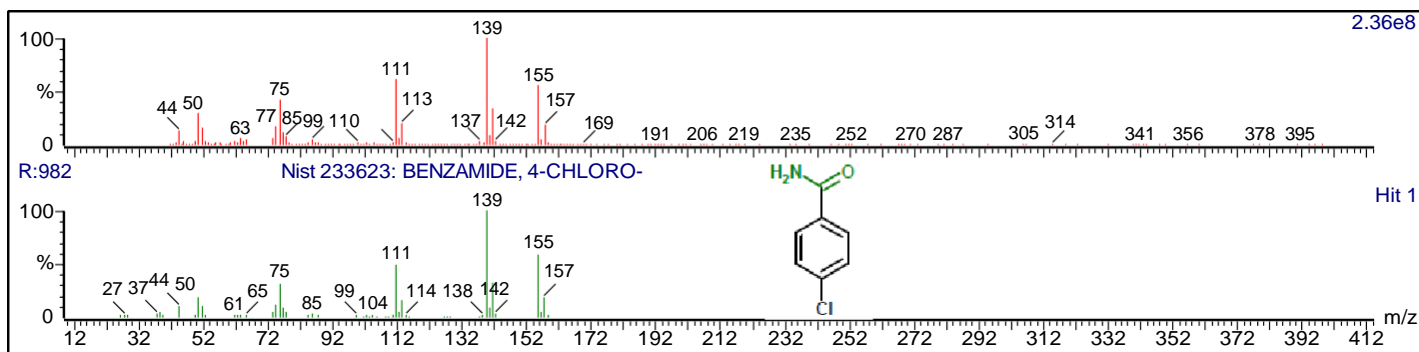
Compound 2e (2-Fluorobenzamide)



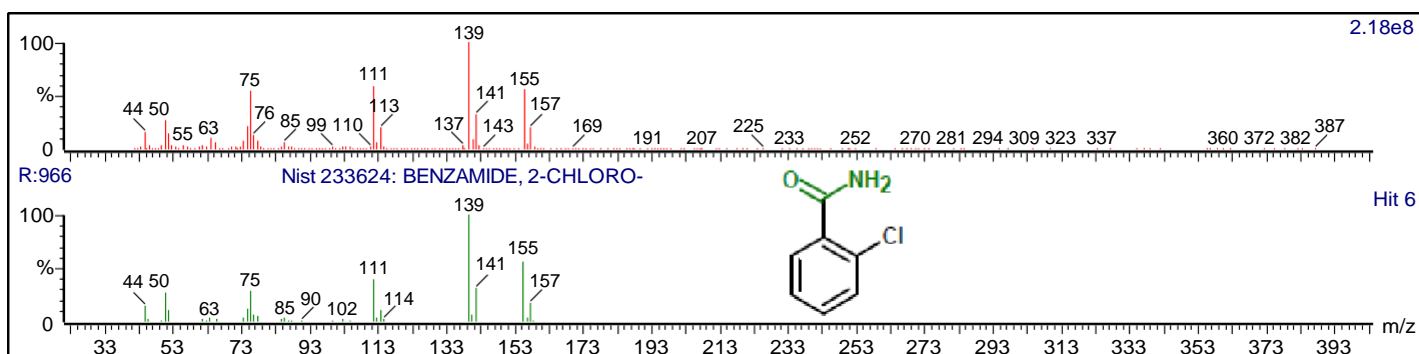
Compound 2f (4-Fluorobenzamide)



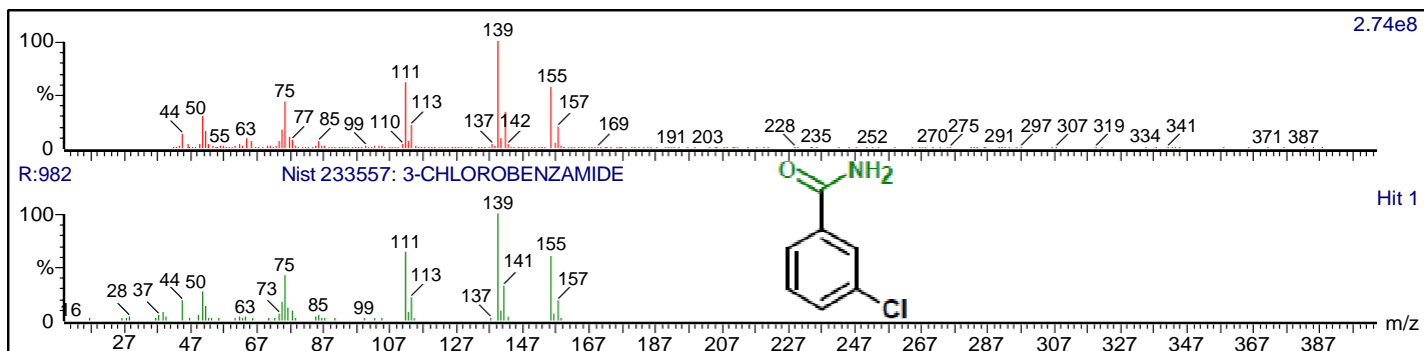
4-Chlorobenzamide



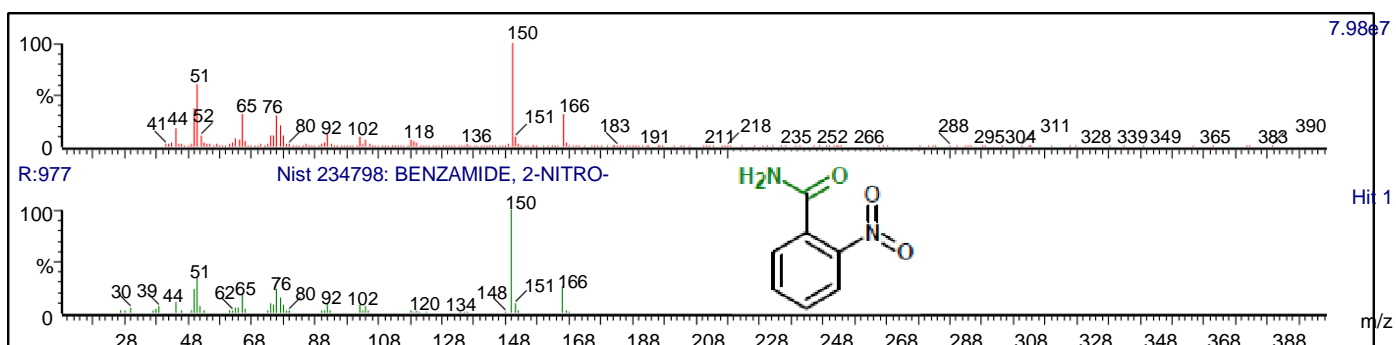
Compound 2b (2-Chlorobenzamide)



Compound 2c (3-Chlorobenzamide)

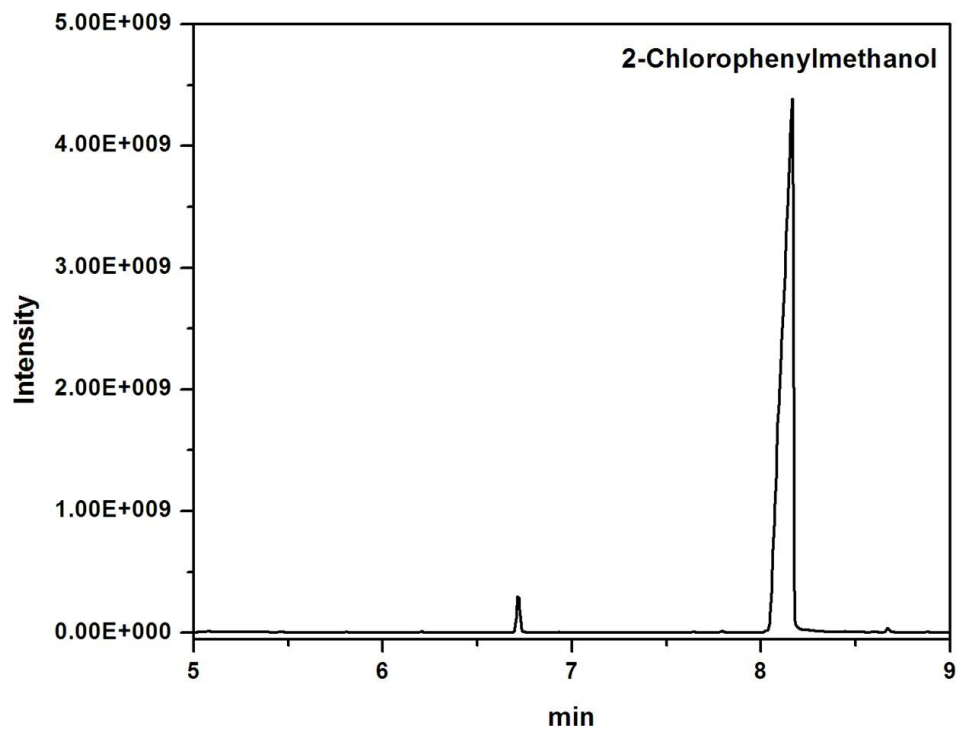


Compound 2g (2-Nitrobenzamide)

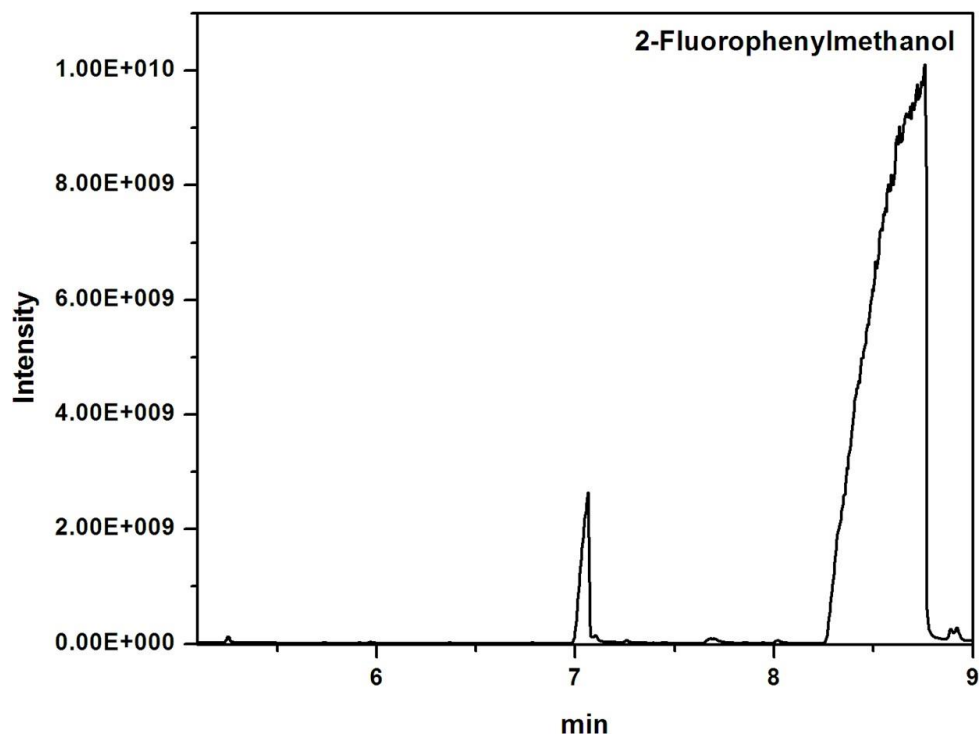


GC spectra of Hydrogenated and Hydrated Products

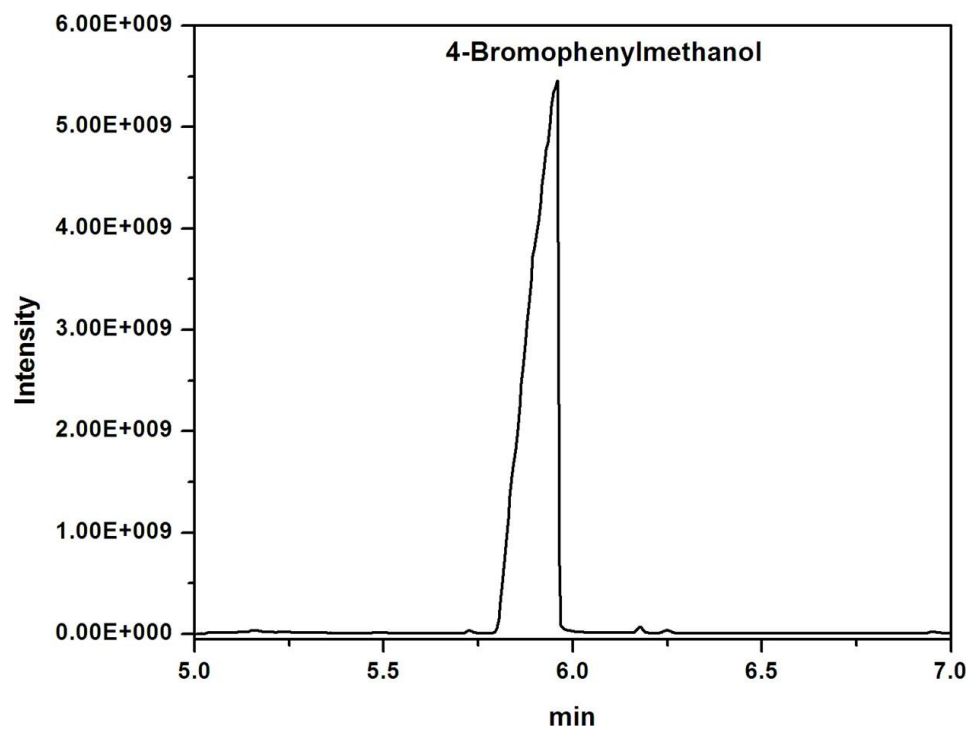
Compound 1a (2-Chlorobenzenemethanol)



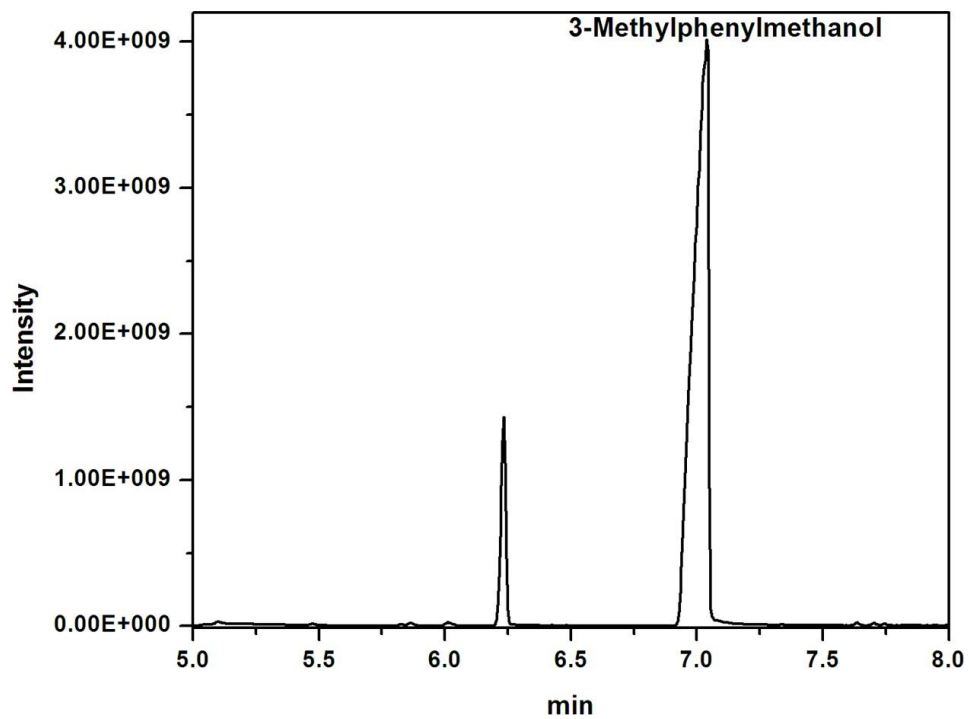
Compound 1c (2-Fluorobenzenemethanol)



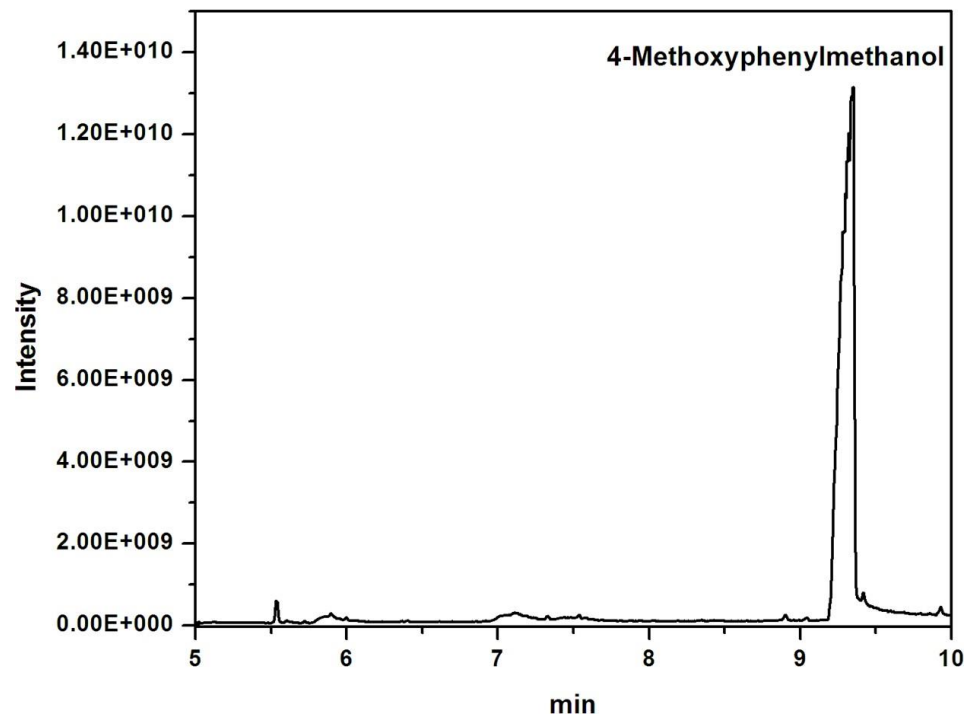
Compound 1e (4-Bromobenzenemethanol)



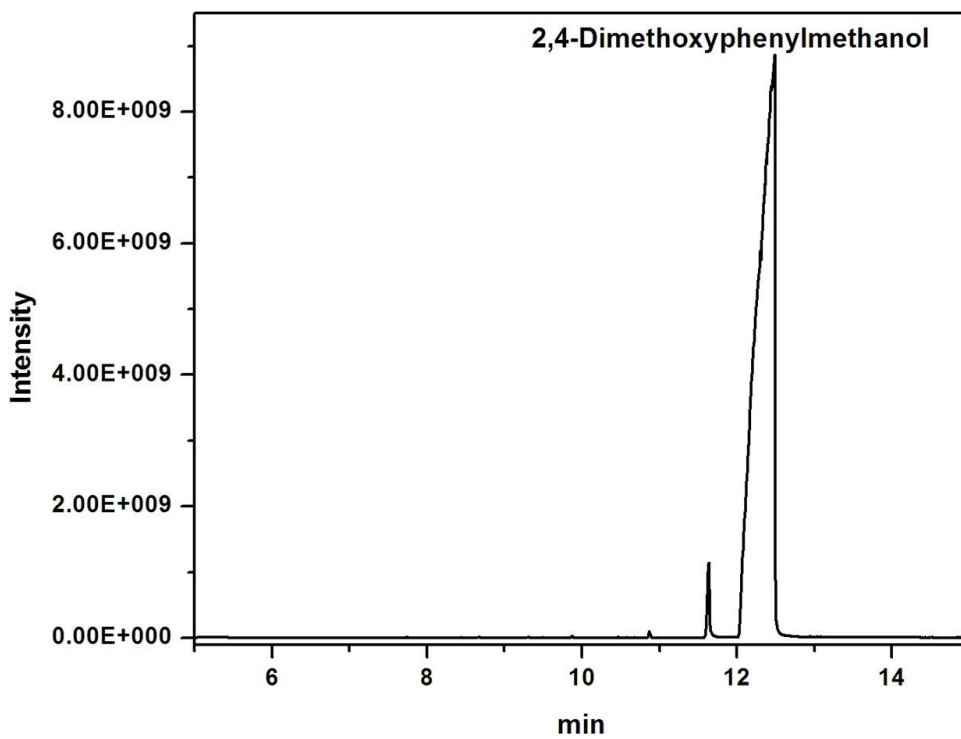
Compound 1i (3-Methylbenzenemethanol)



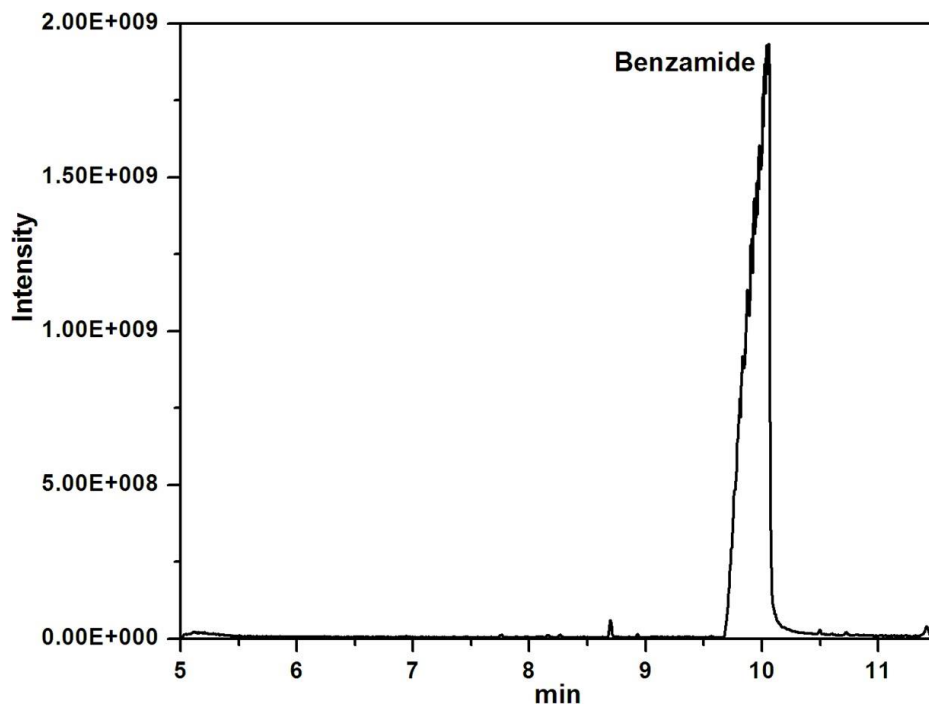
Compound 1k (4-Methoxybenzenemethanol)



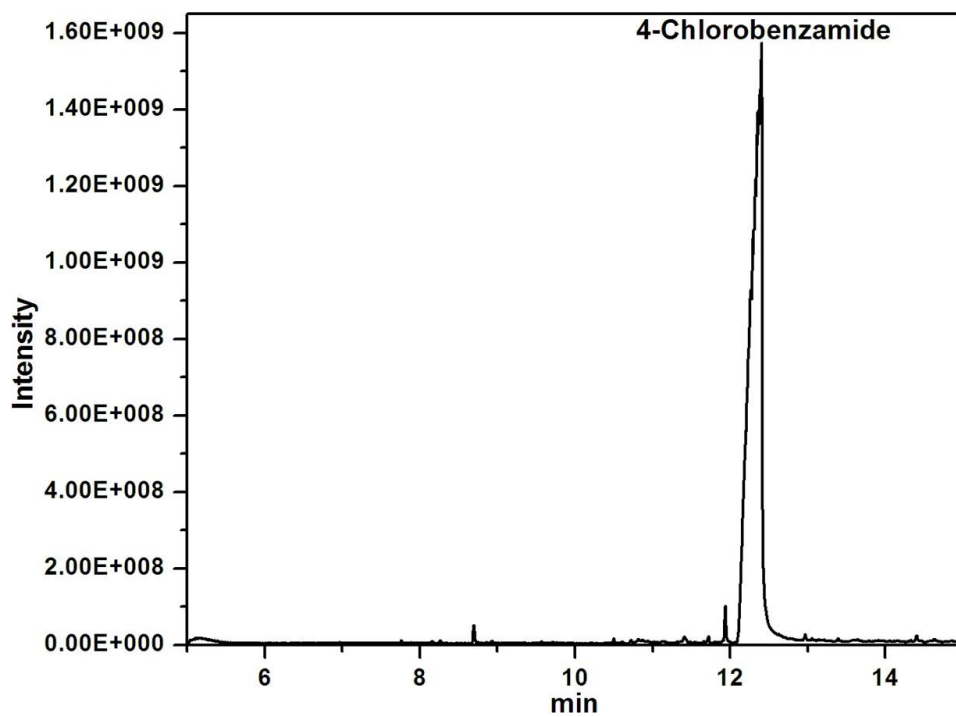
Compound 1m (2,4-Dimethoxybenzenemethanol)



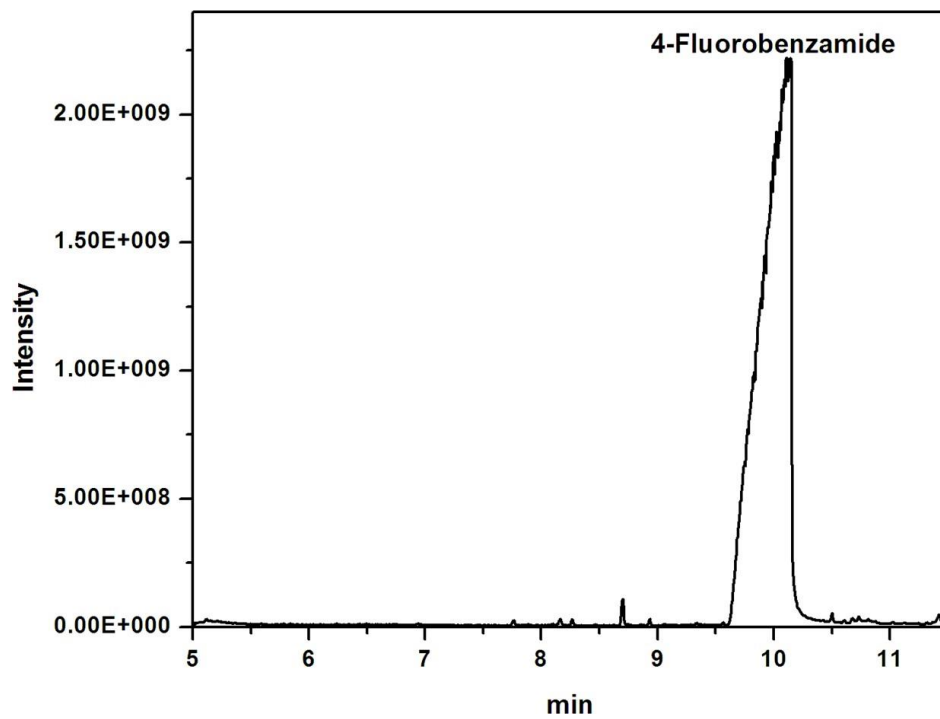
Compound 2a (Benzamide)



Compound 2c (4-Chlorobenzamide)



Compound 2f (4-Fluorobenzamide)



Compound 2g (2-Nitrobenzamide)

