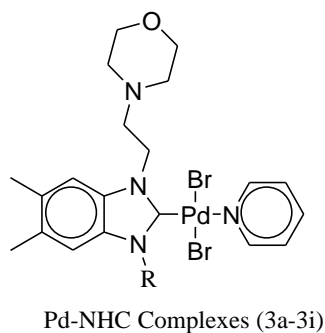
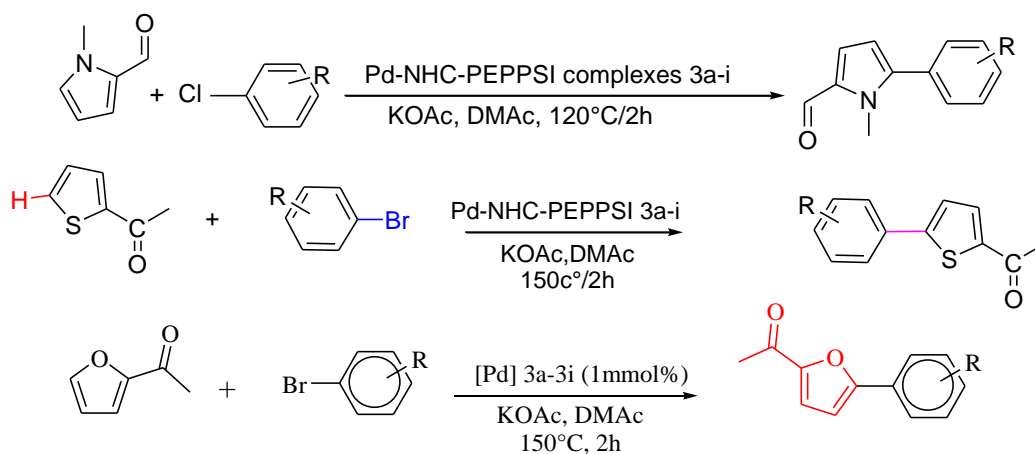


A table of contents entry

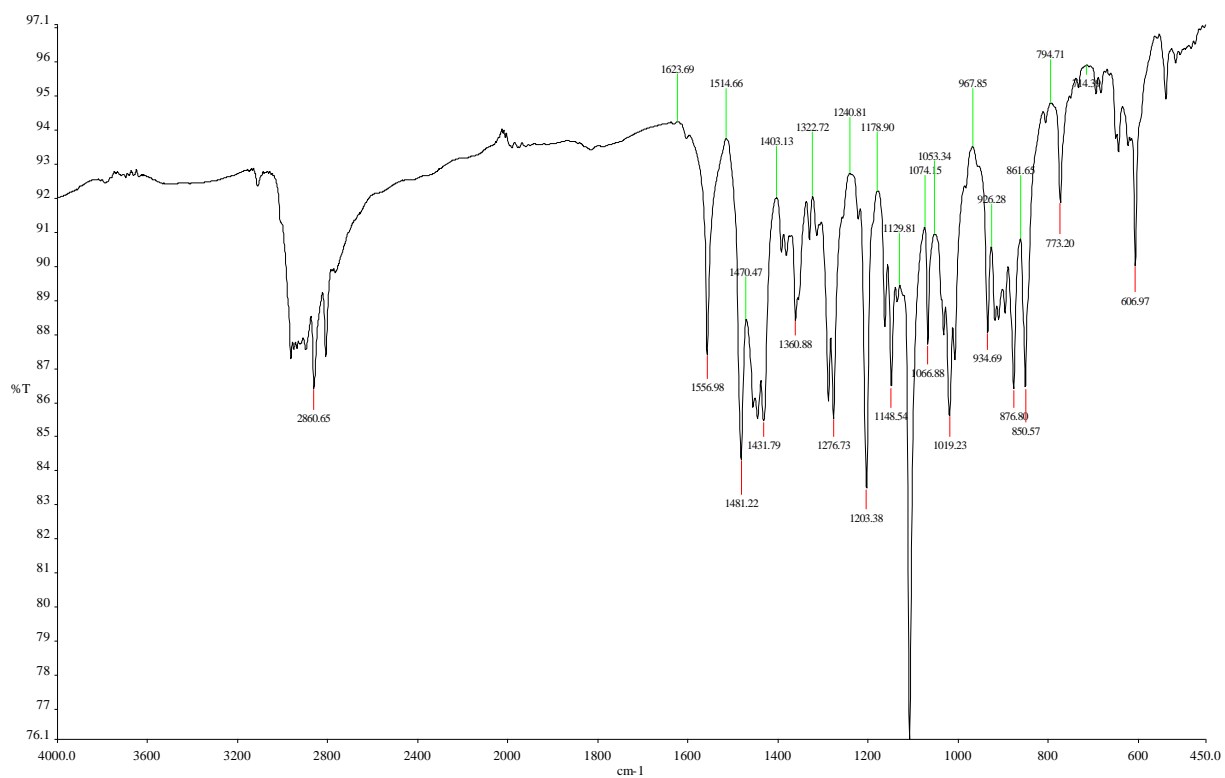
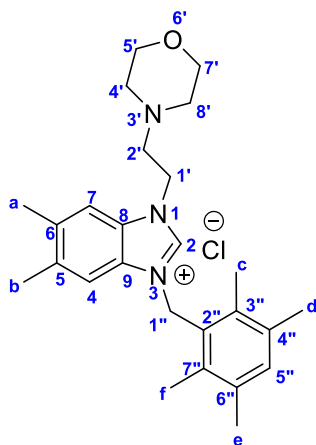
**Plausible PEPPSI Catalysts for Direct C-H Functionalization of Five-Membered Heterocyclic Bioactive Motifs: Synthesis, characterization and catalytic activity**

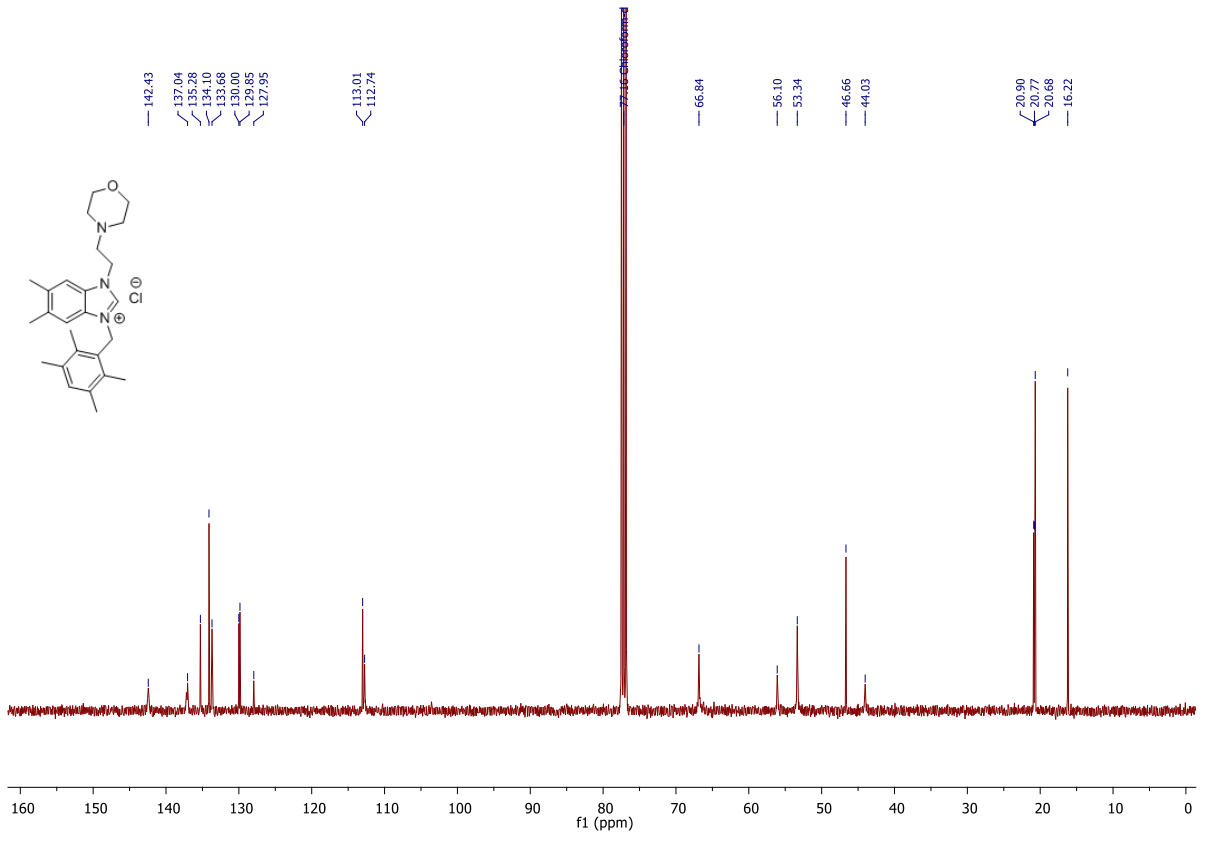
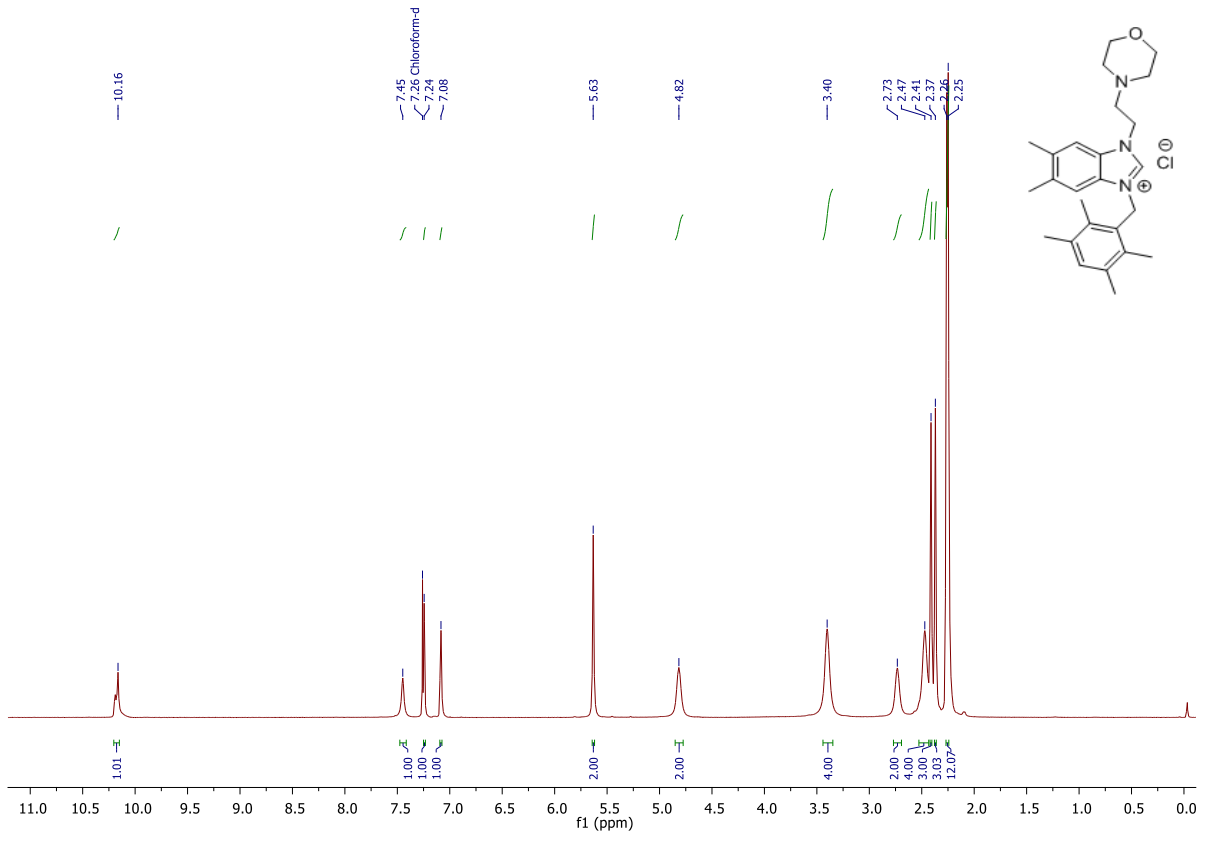
*Donia Bensalah, Lamjed Mansour, Mathieu Sauthier, Nevin Gurbuz Ismail Özdemir, Lotfi Beji, Rafik Gatri and Naceur Hamdi*

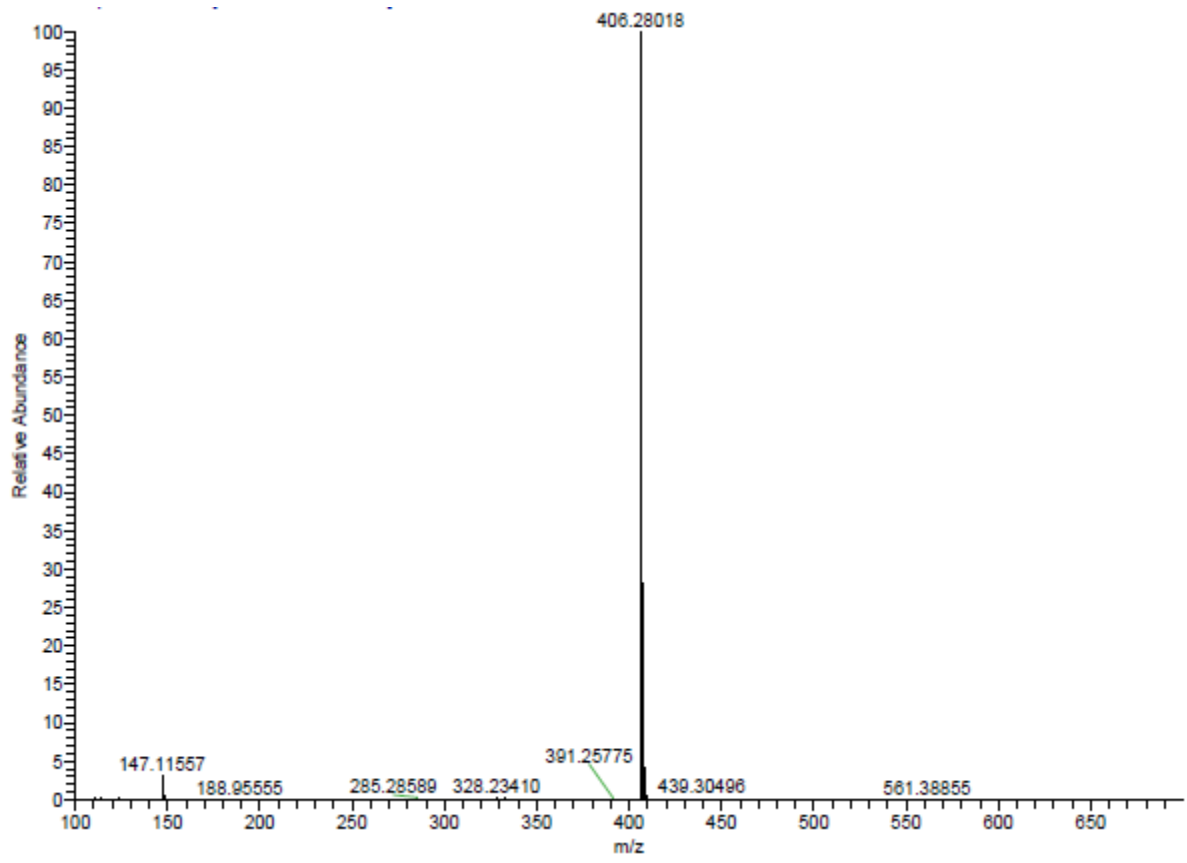


- 3a, R = CH<sub>2</sub>-Ph(Me)<sub>4</sub>-1,2,4,6
- 3b, R = CH<sub>2</sub>-Ph(Me)<sub>5</sub>-1,2,3,4,5
- 3c, R = CH<sub>2</sub>-C<sub>4</sub>H<sub>6</sub>
- 3d, R = CH<sub>2</sub>-PhCl-4
- 3e, R = CH<sub>2</sub>-Ph
- 3f, R = CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>3</sub>
- 3g, R = CH<sub>2</sub>-CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>3</sub>
- 3h, R = CH<sub>2</sub>-Ph(tBu)<sub>2</sub>-2,4
- 3i, R = CH<sub>2</sub>-Ph(tbu)-4

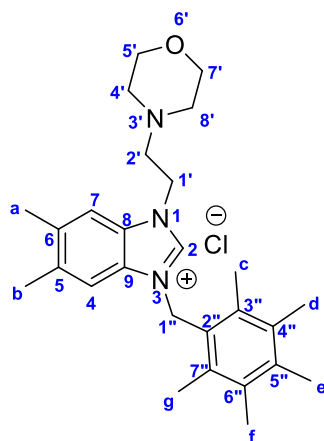
2a

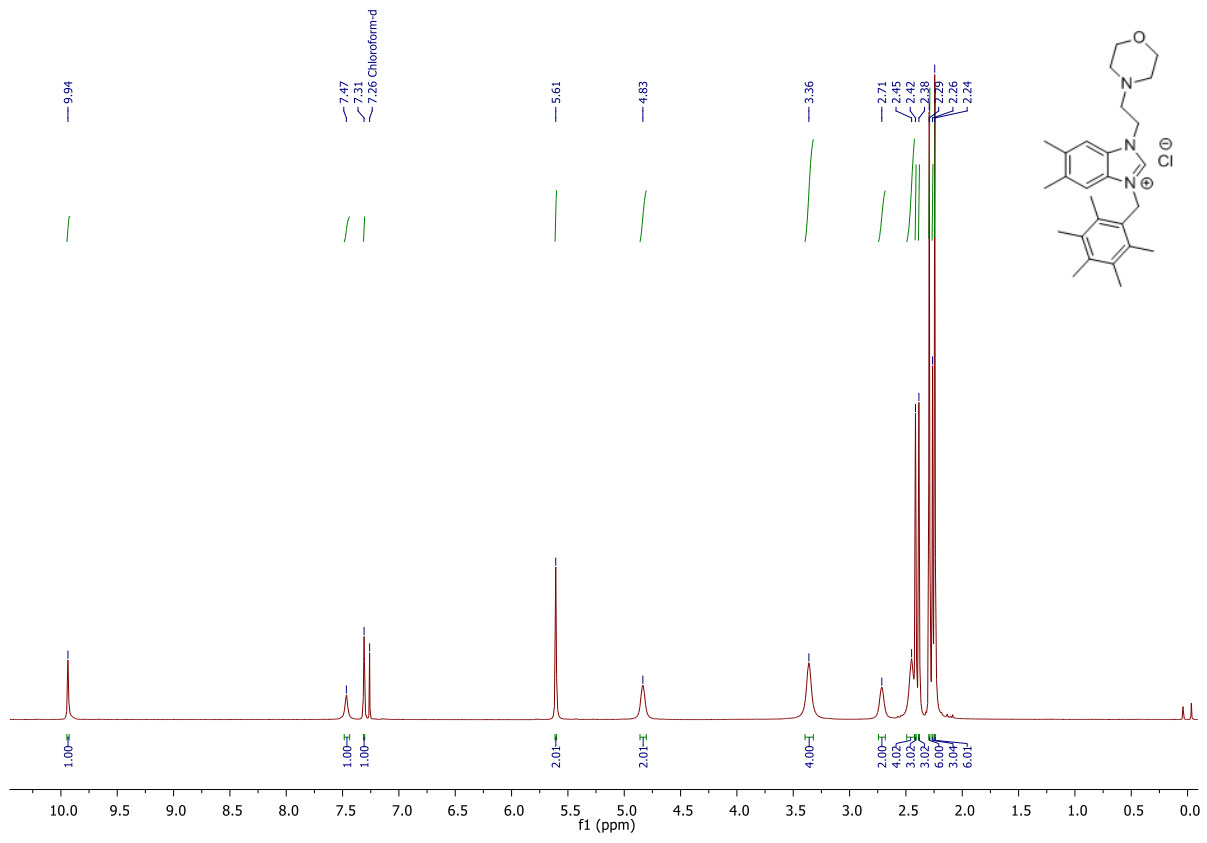
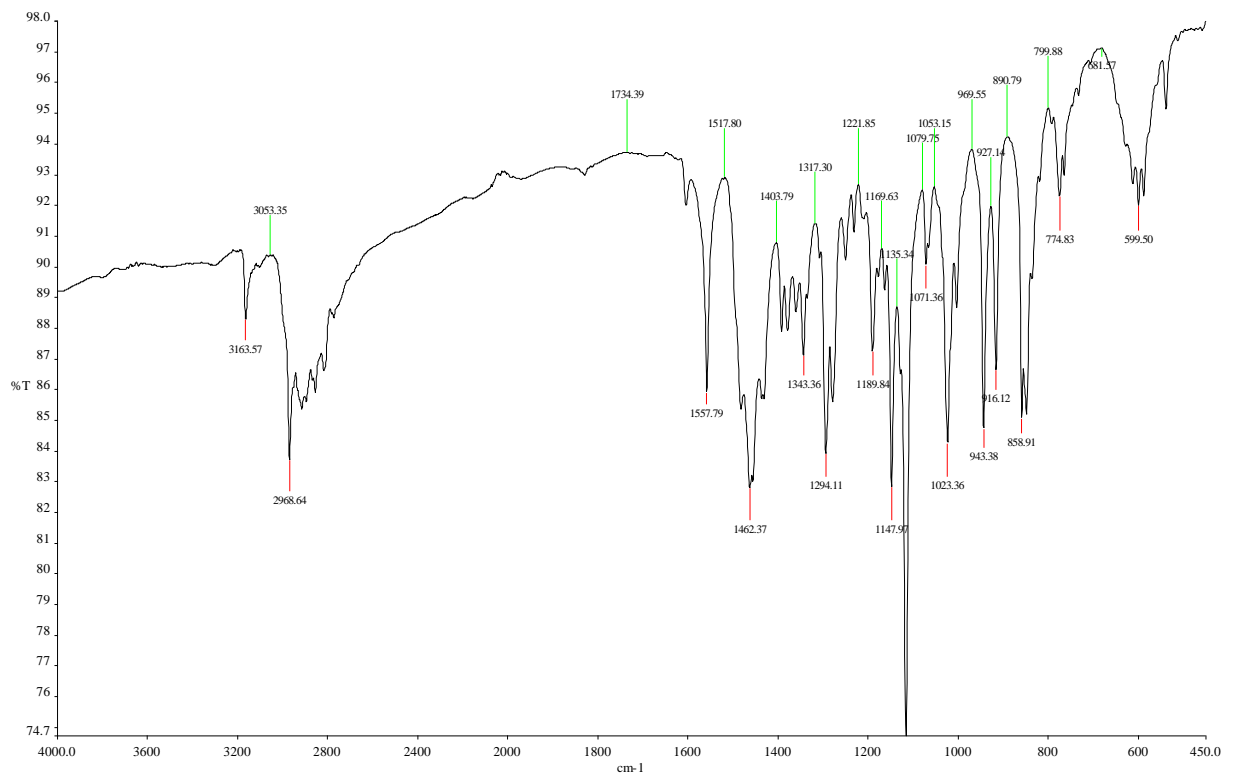


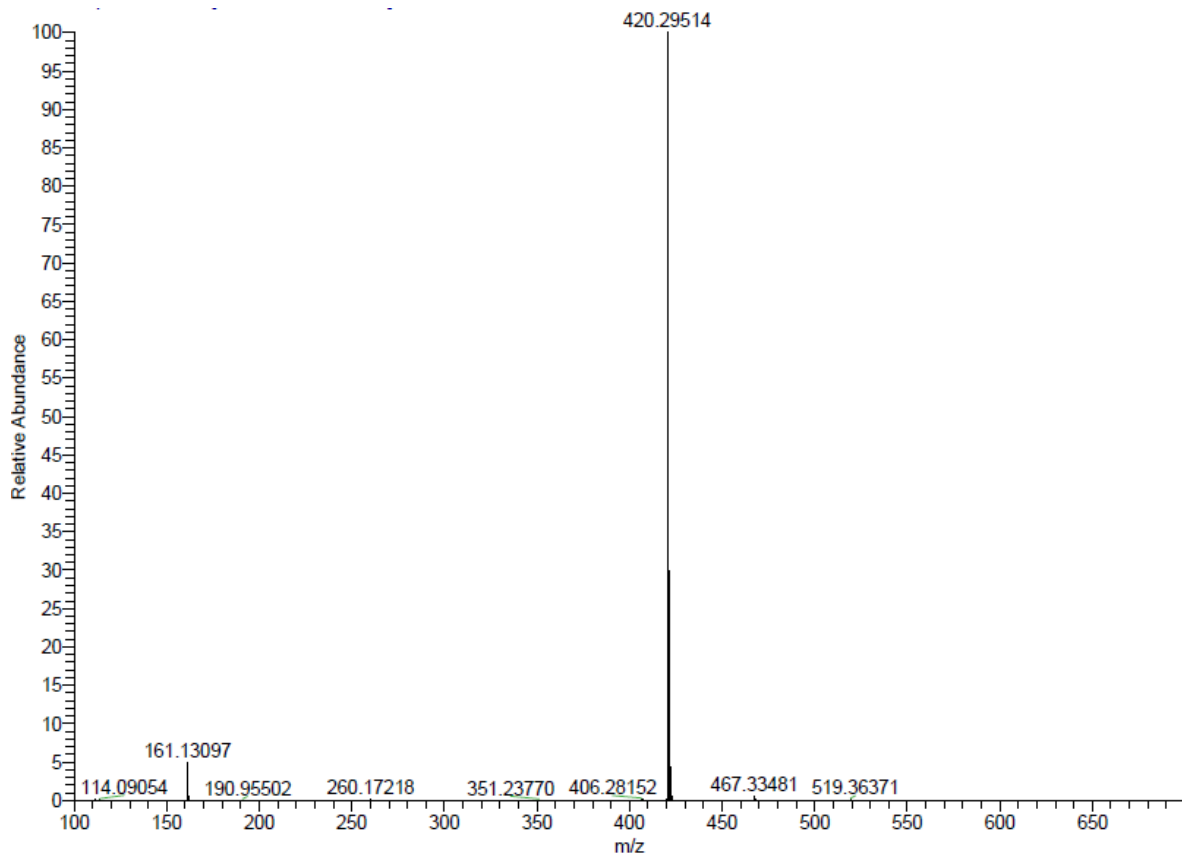
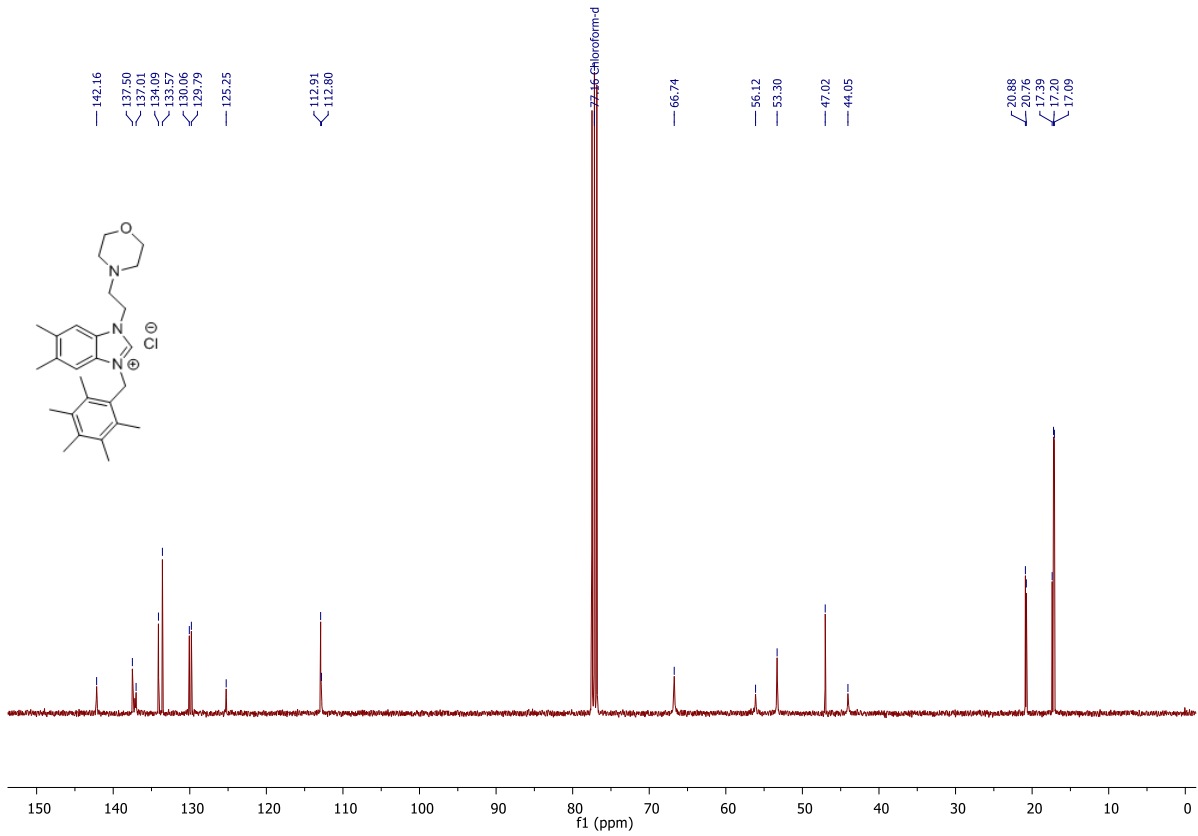




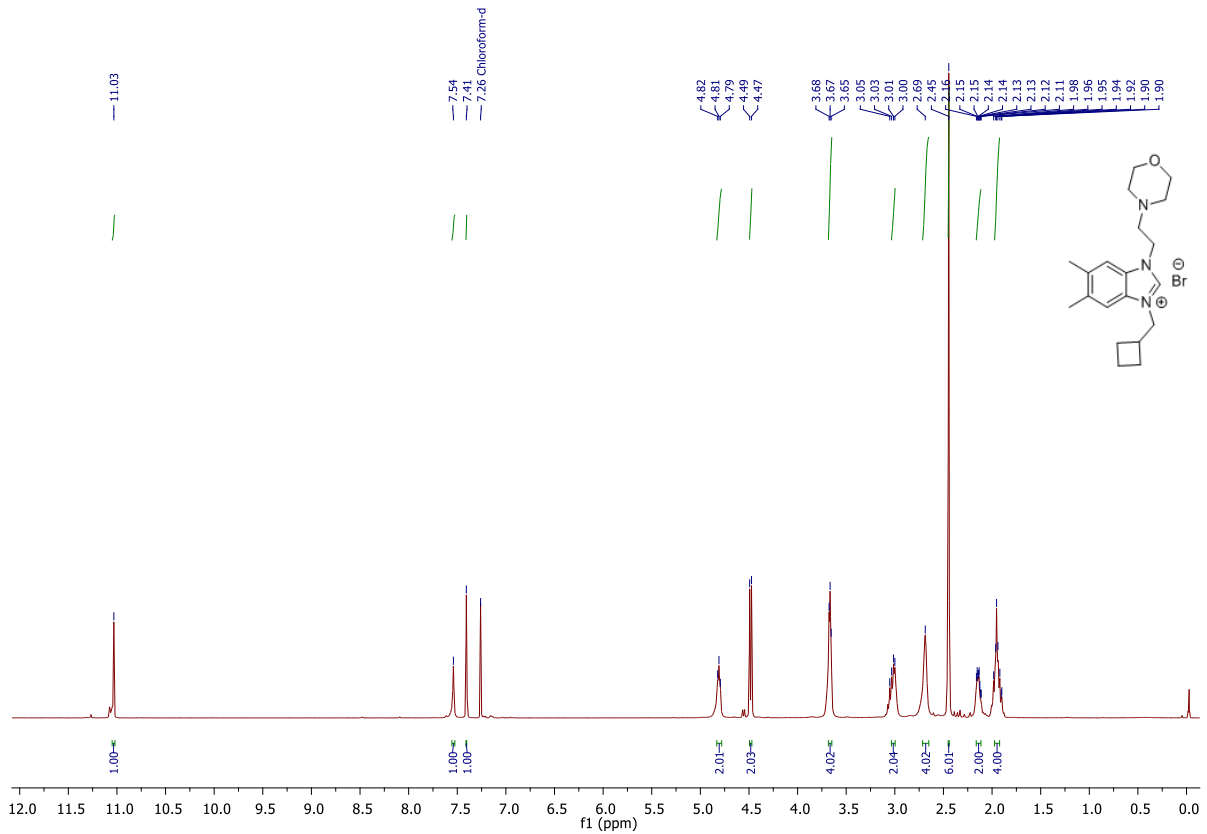
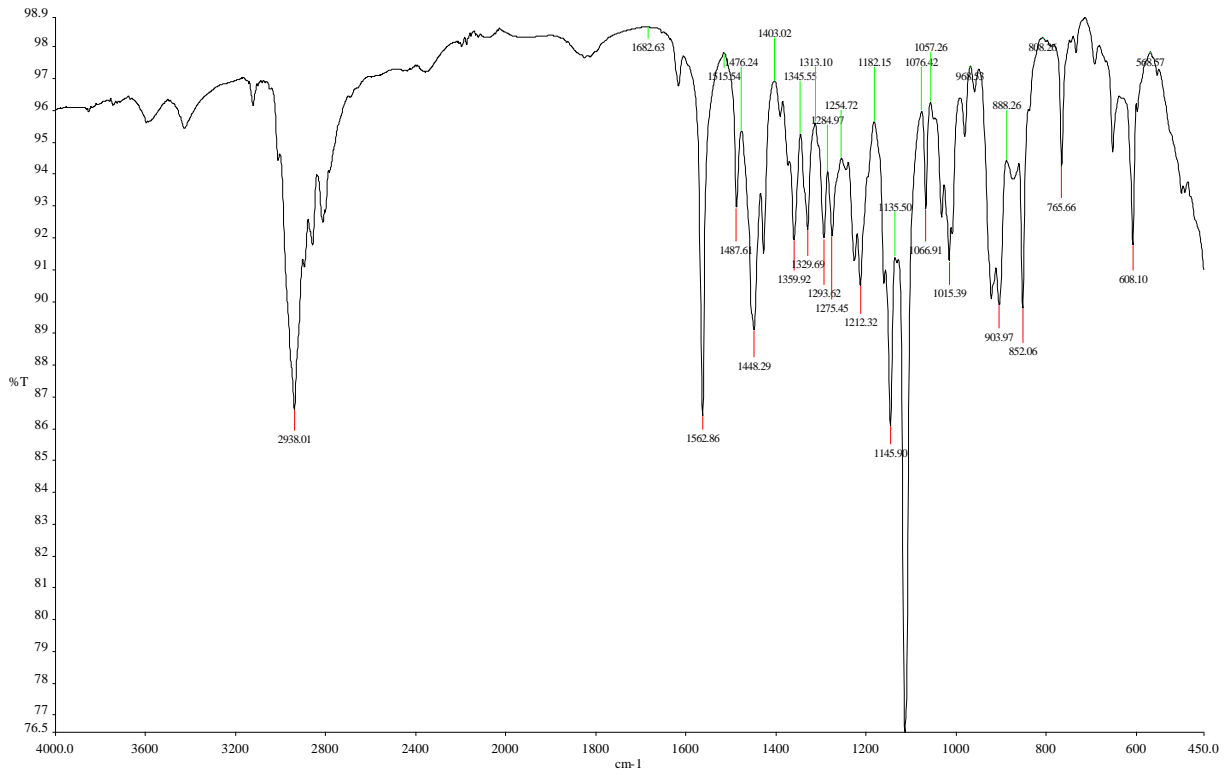
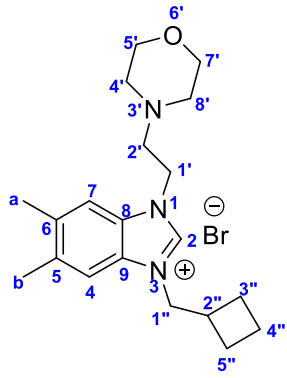
2b

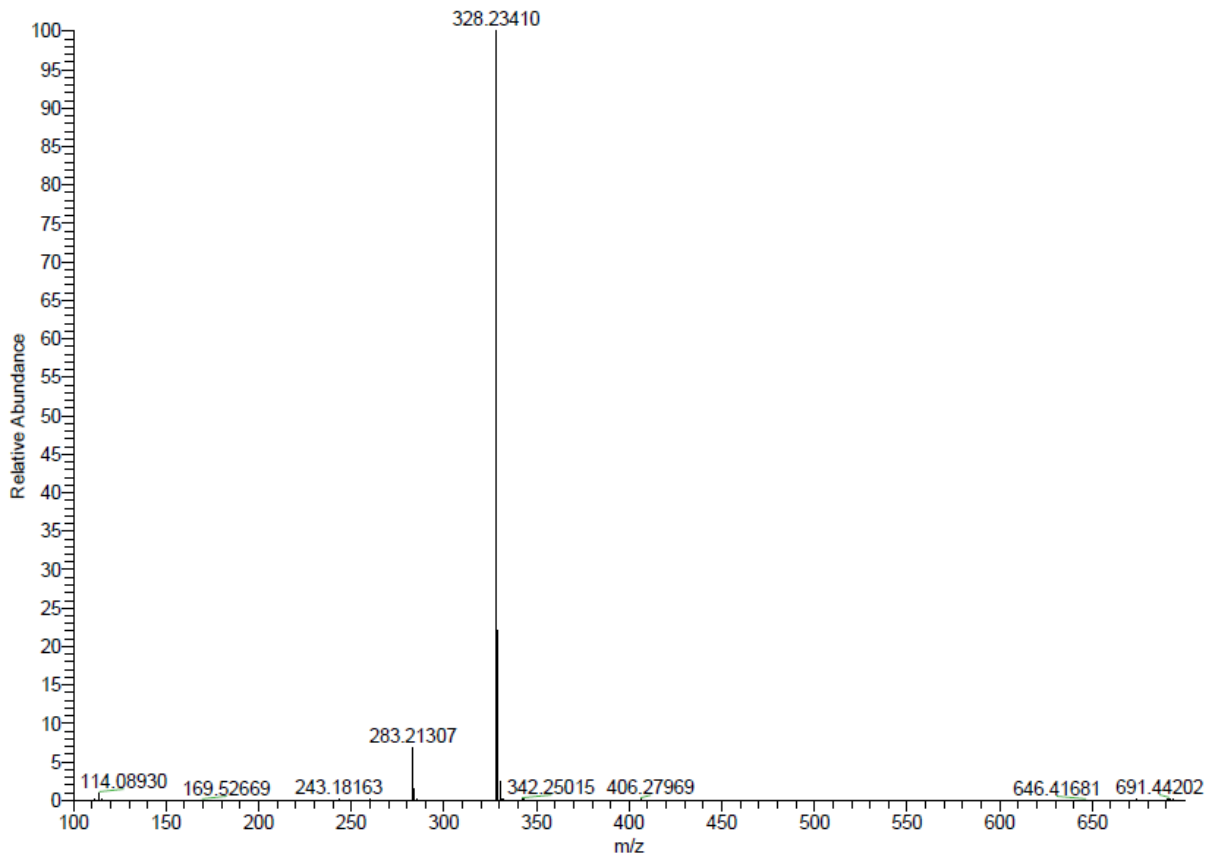
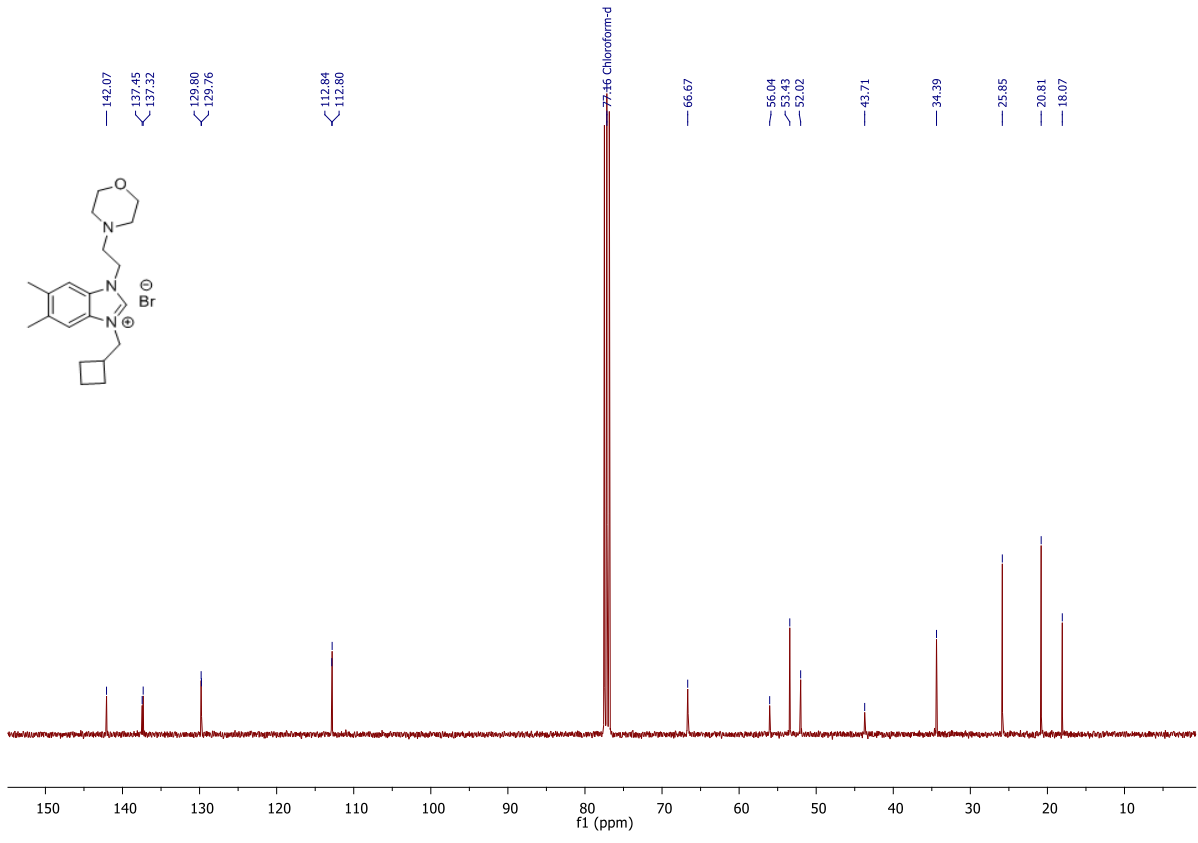






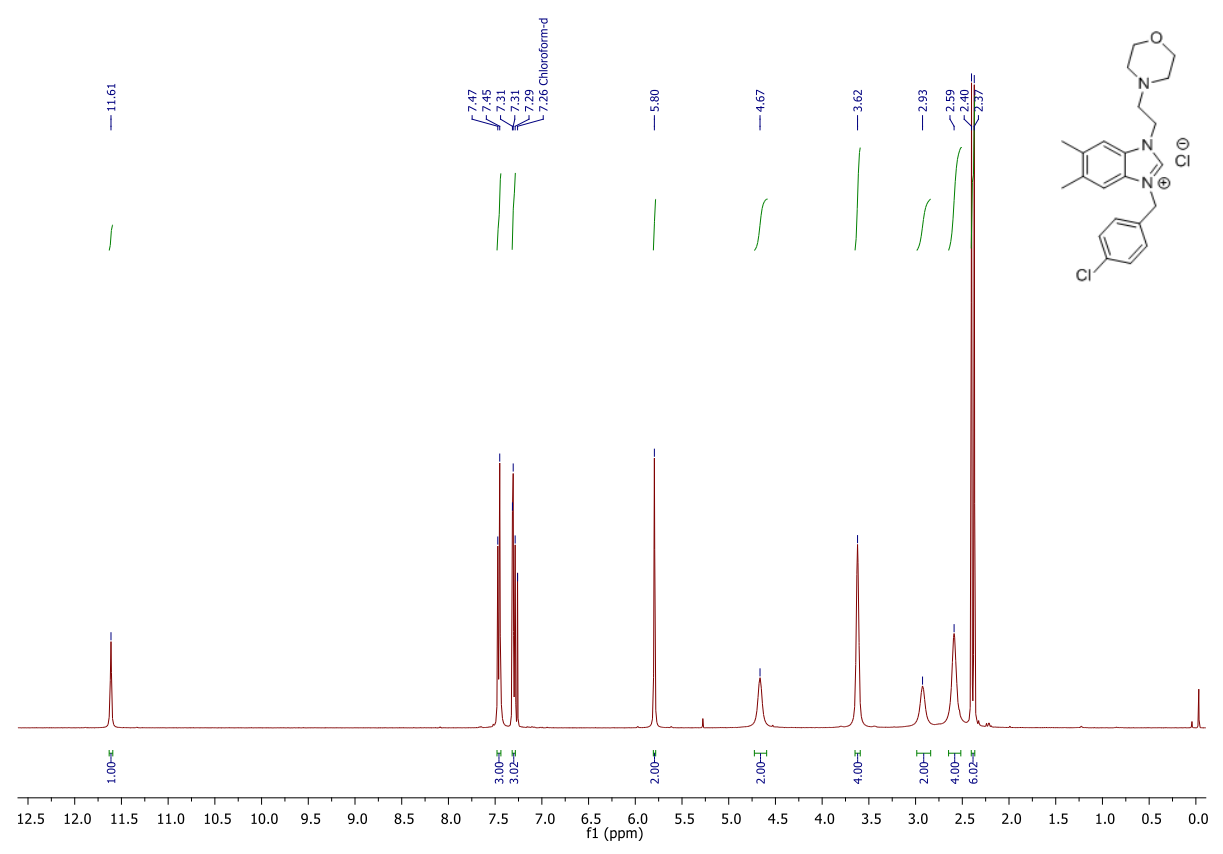
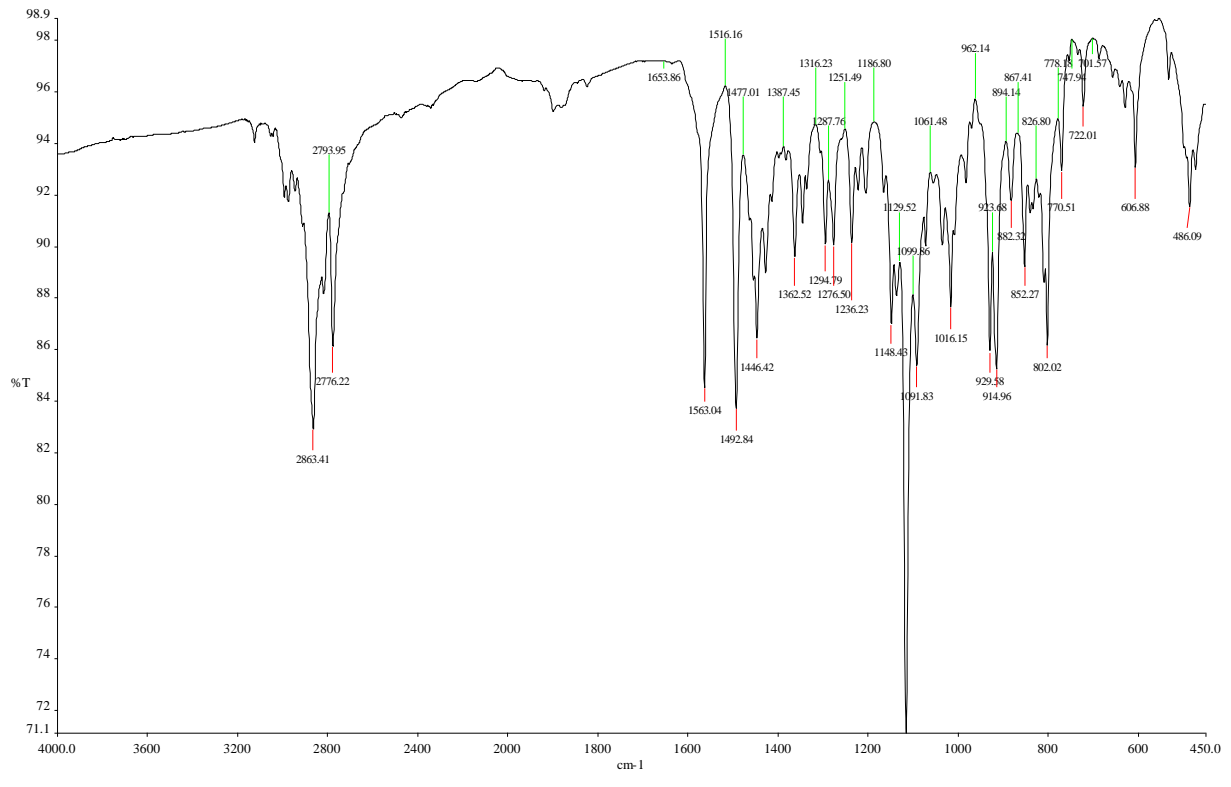
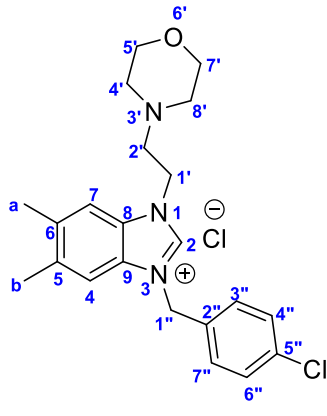
2c

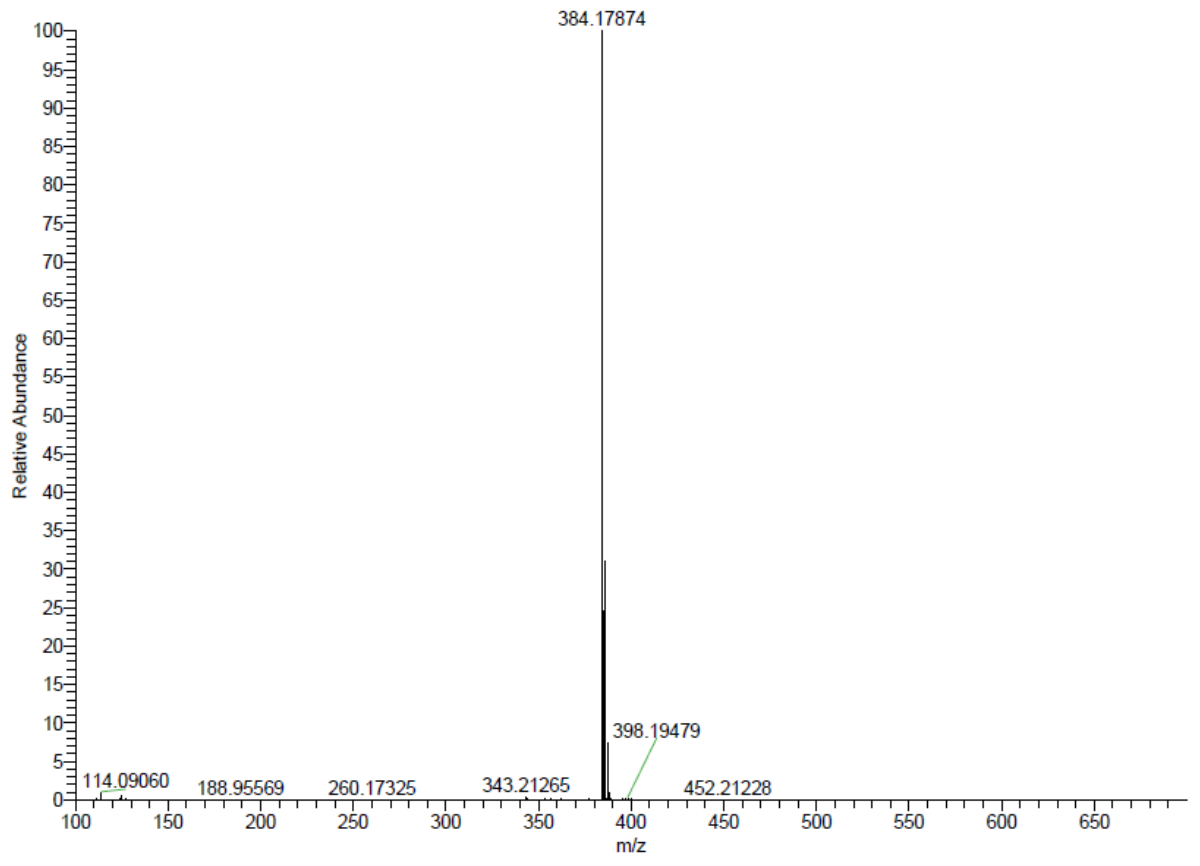
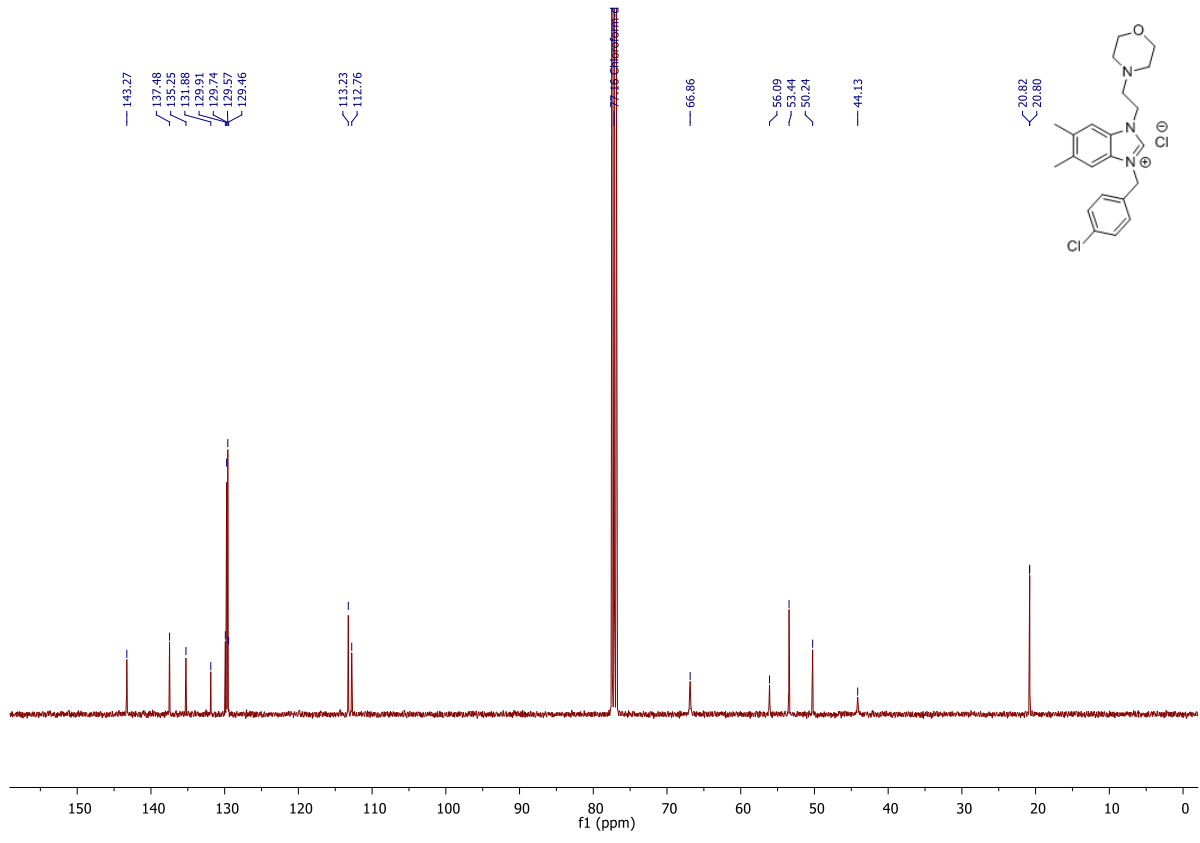




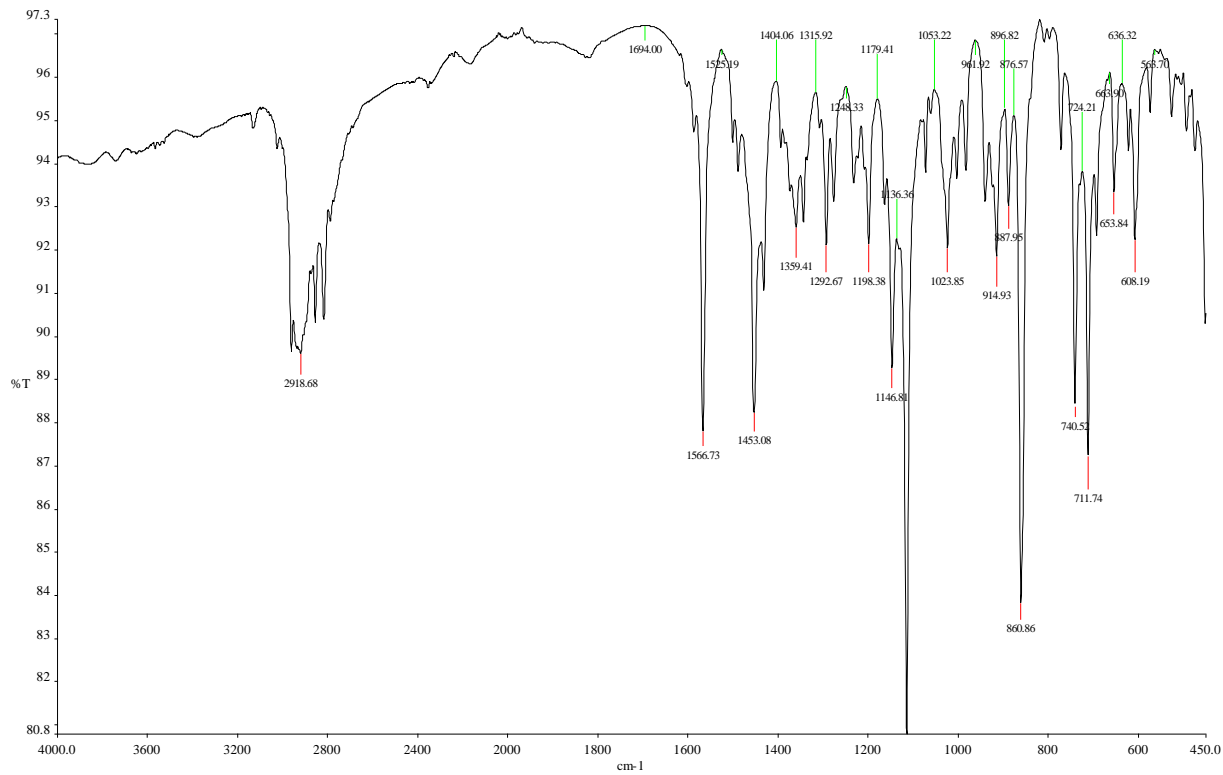
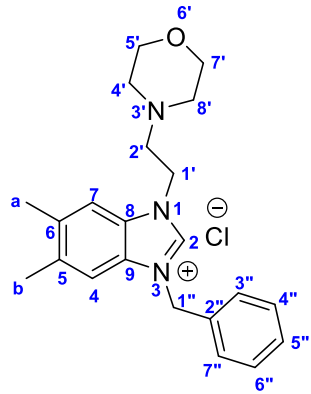
2d



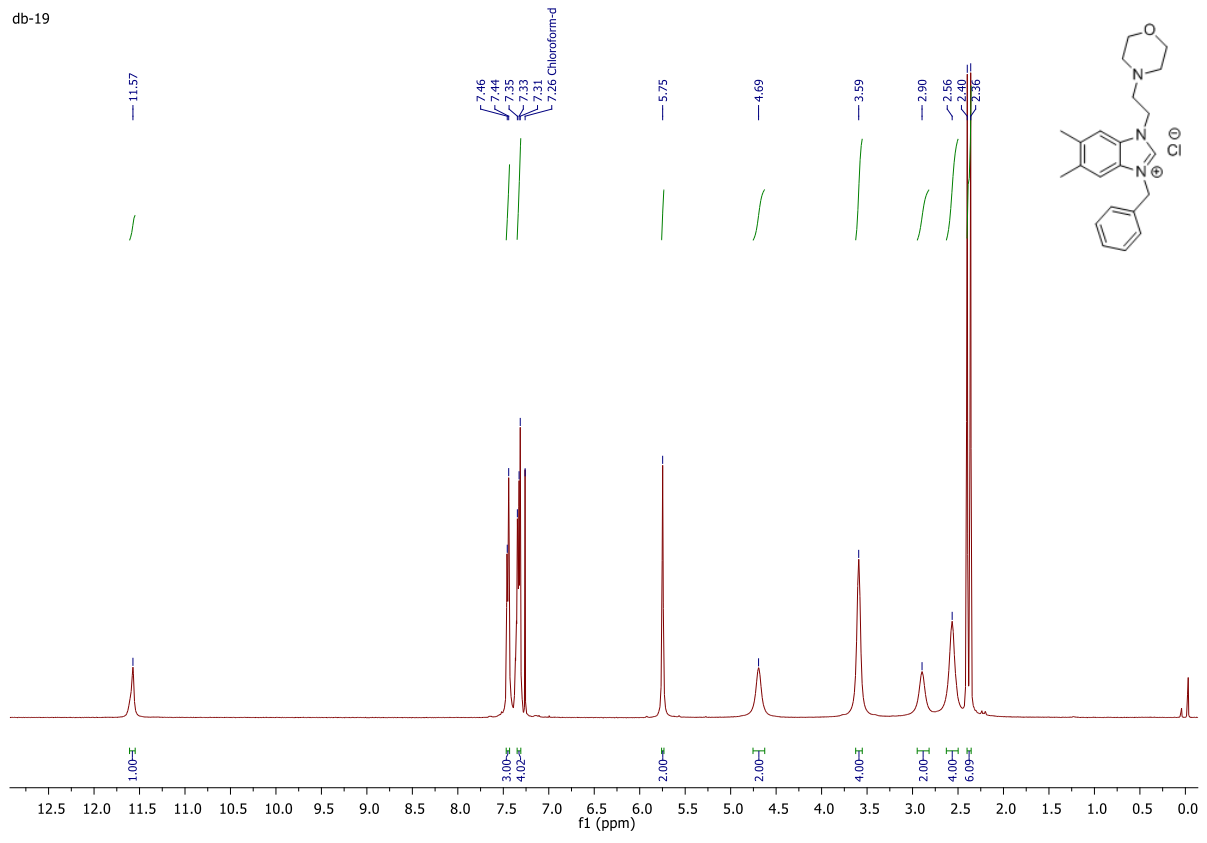


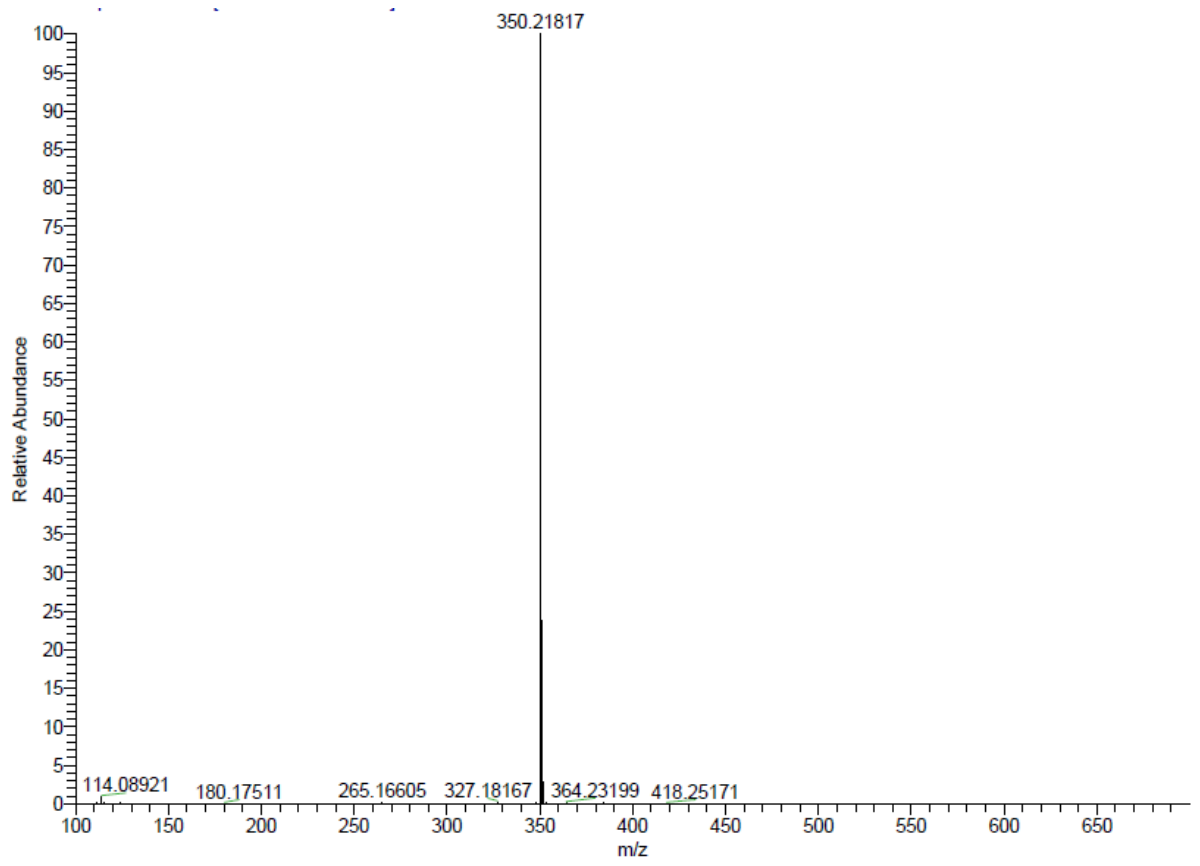
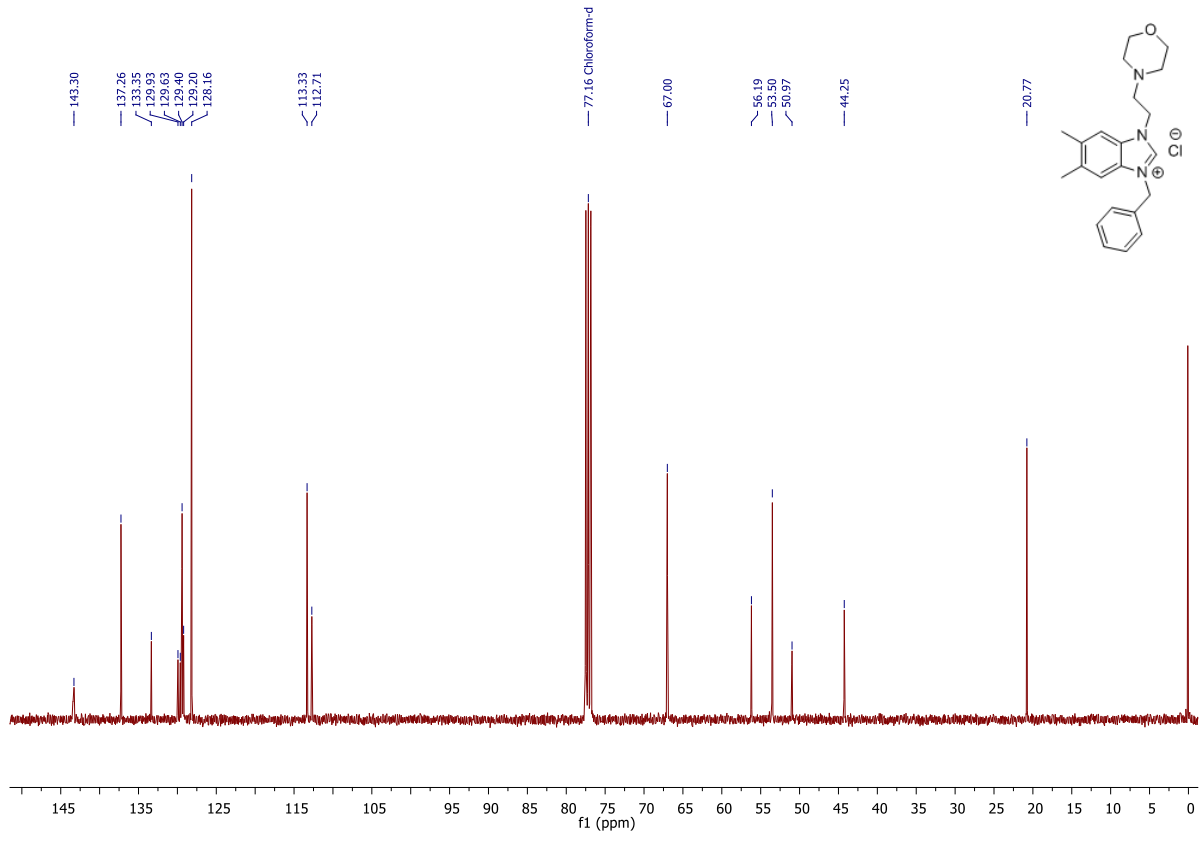


2e

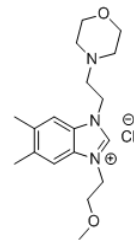
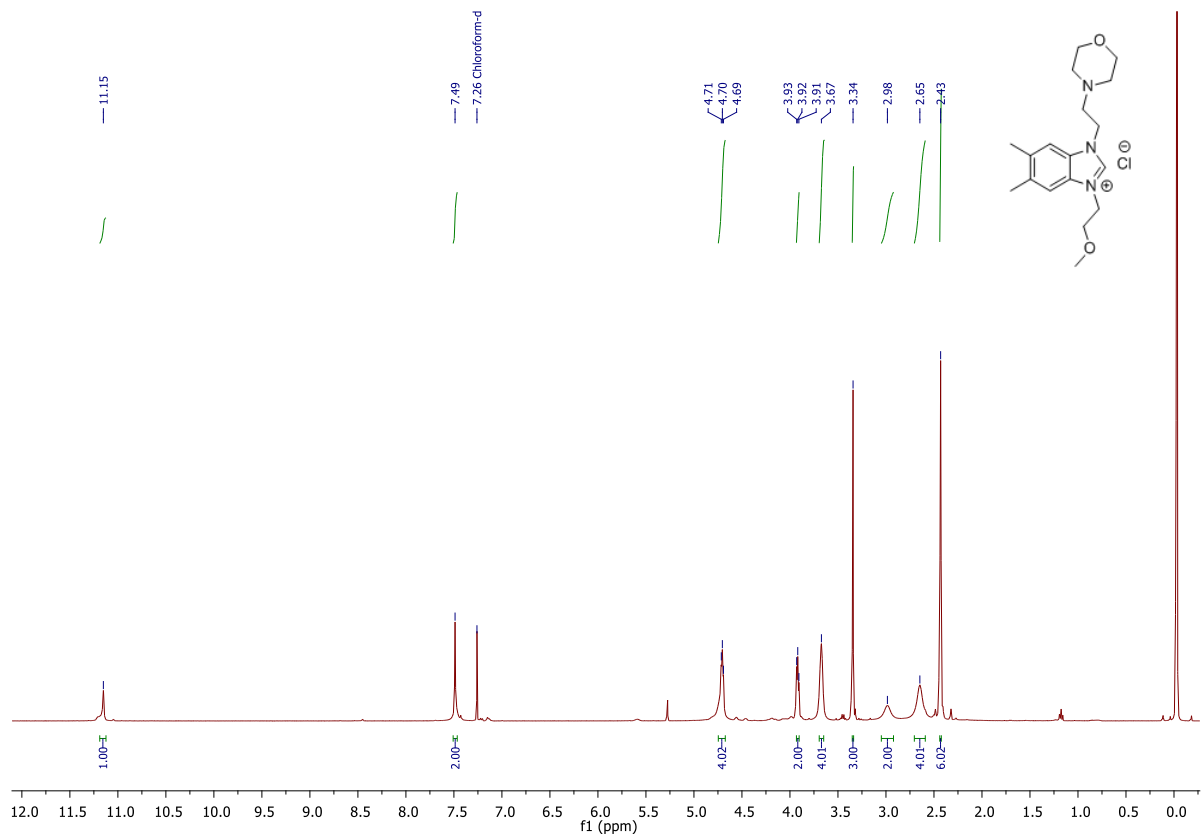
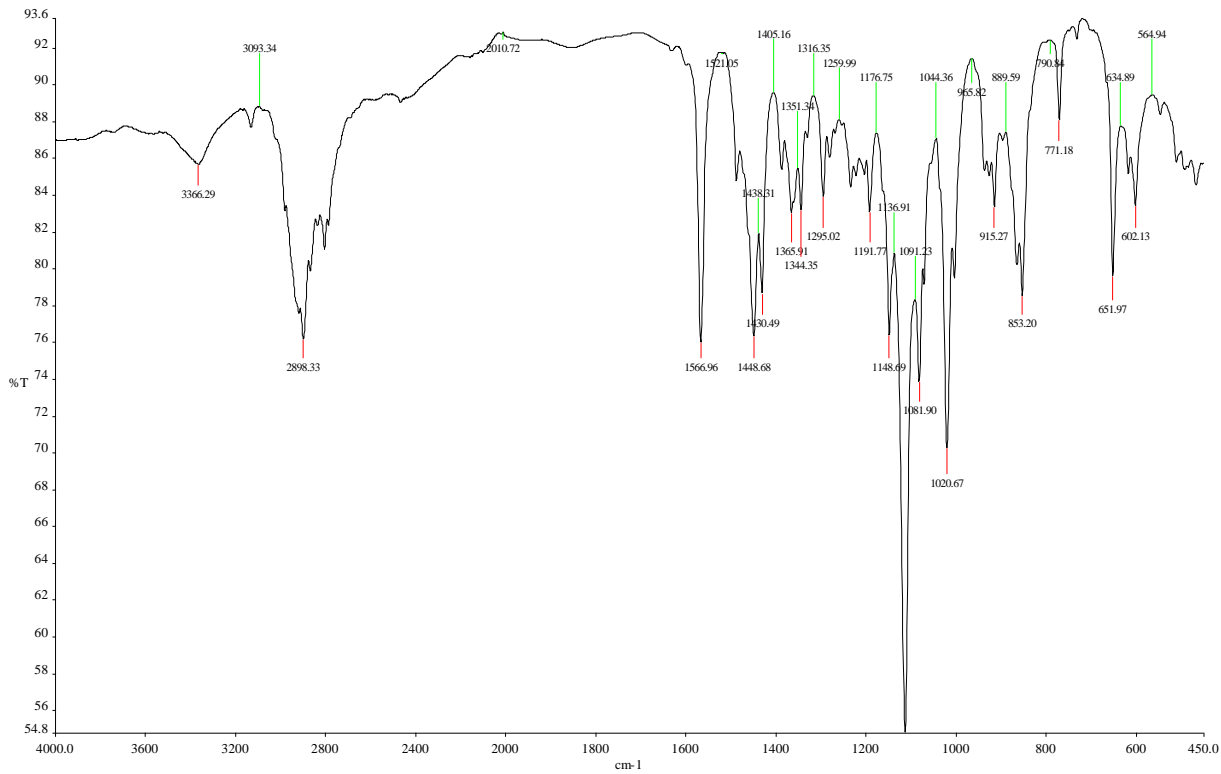
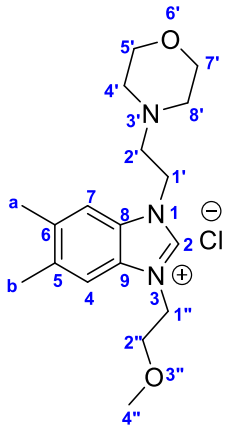


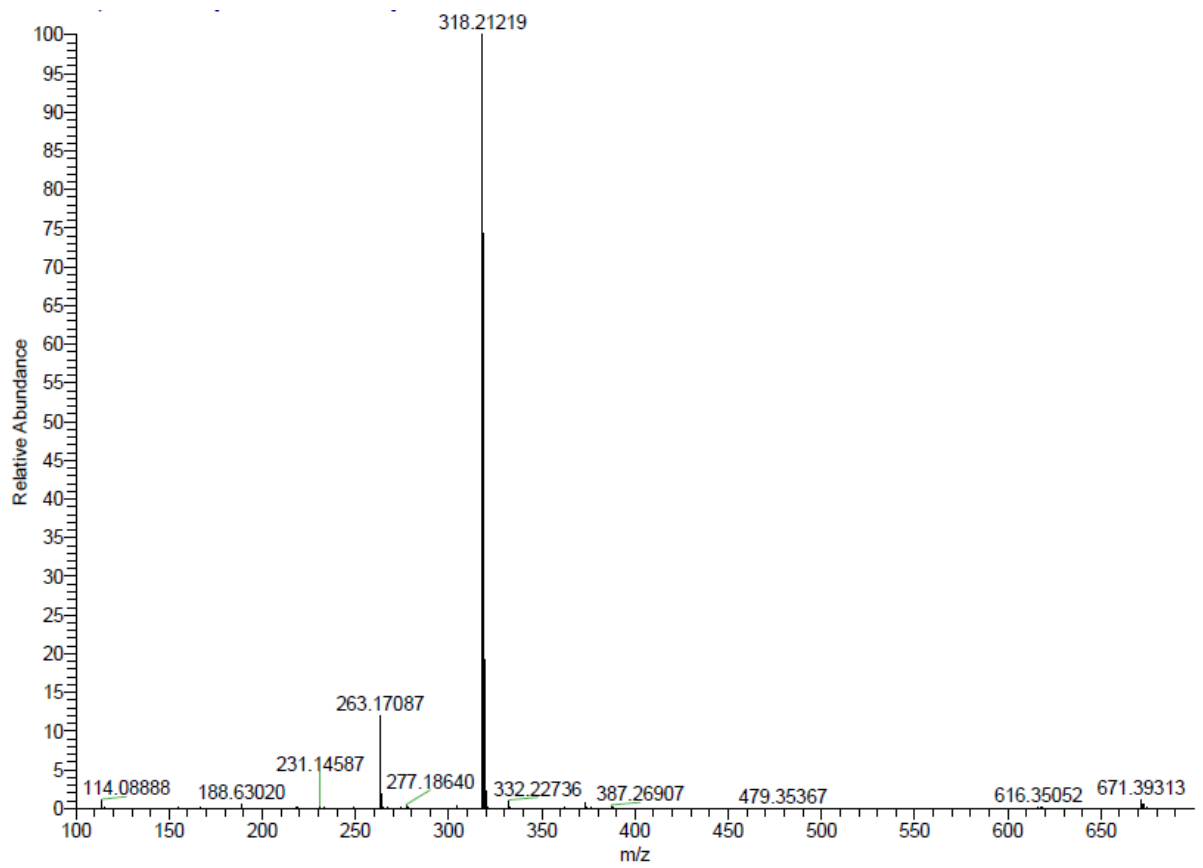
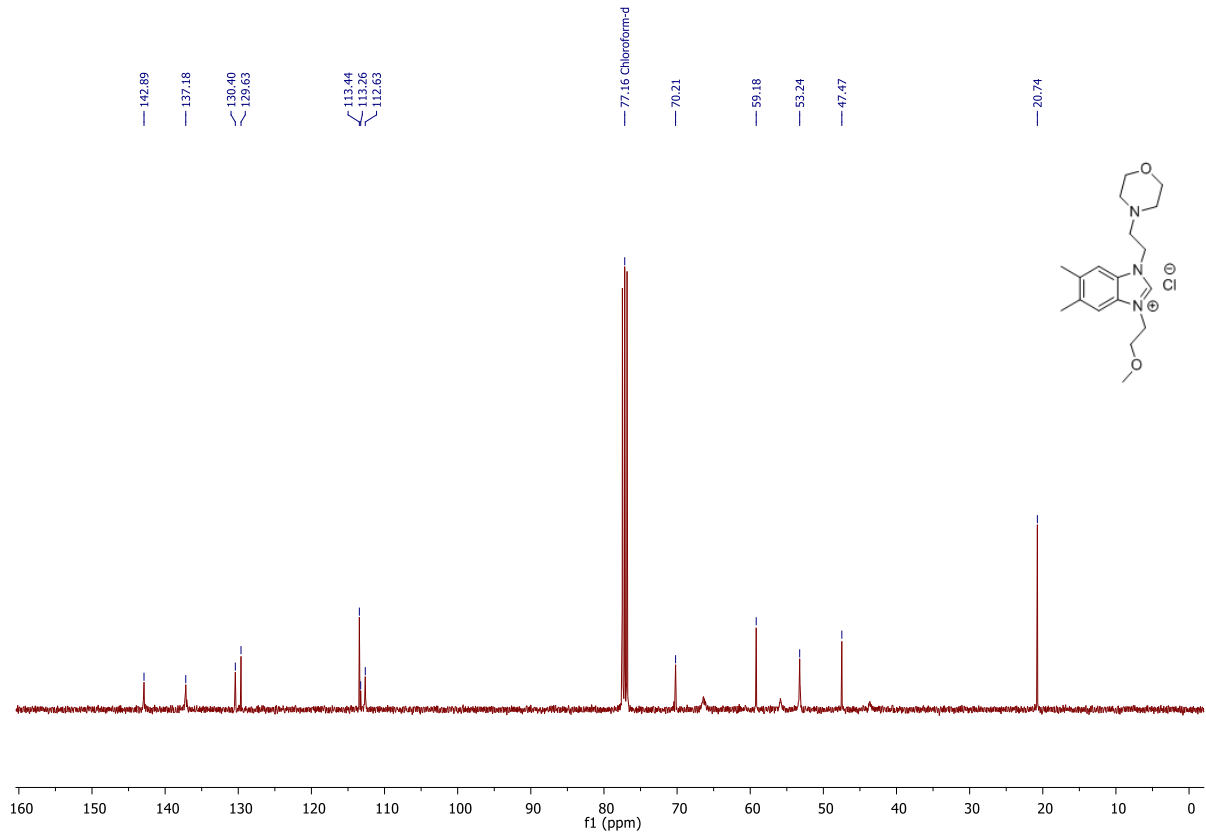
db-19



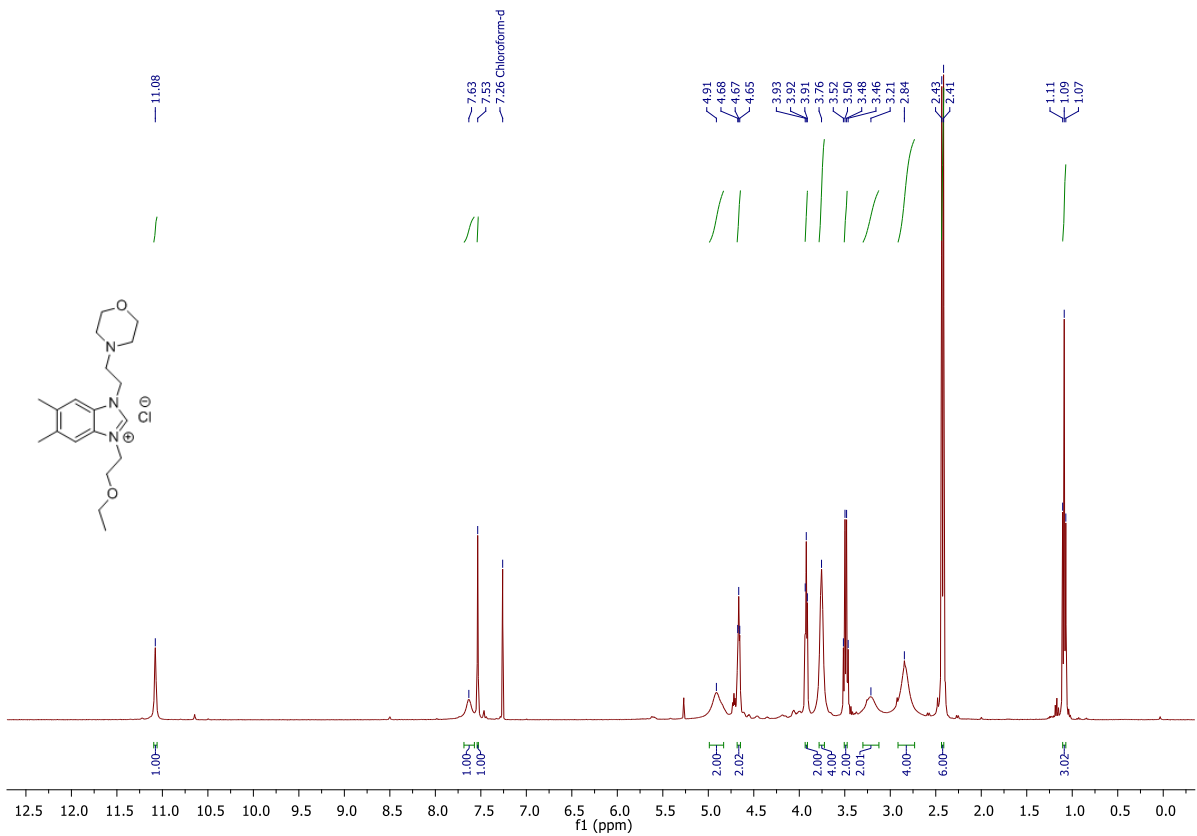
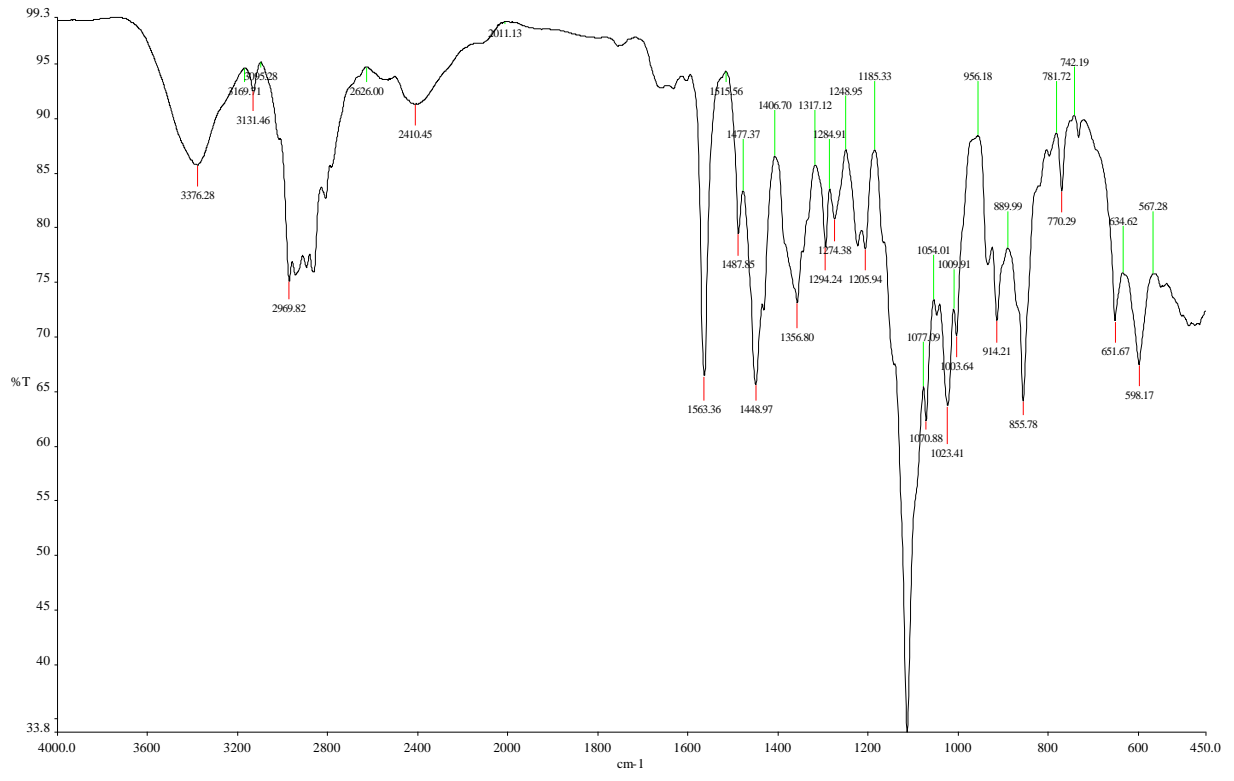
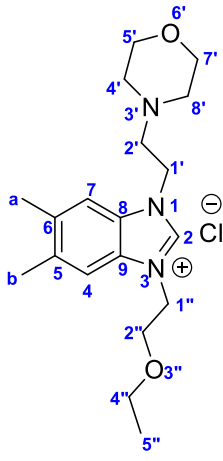


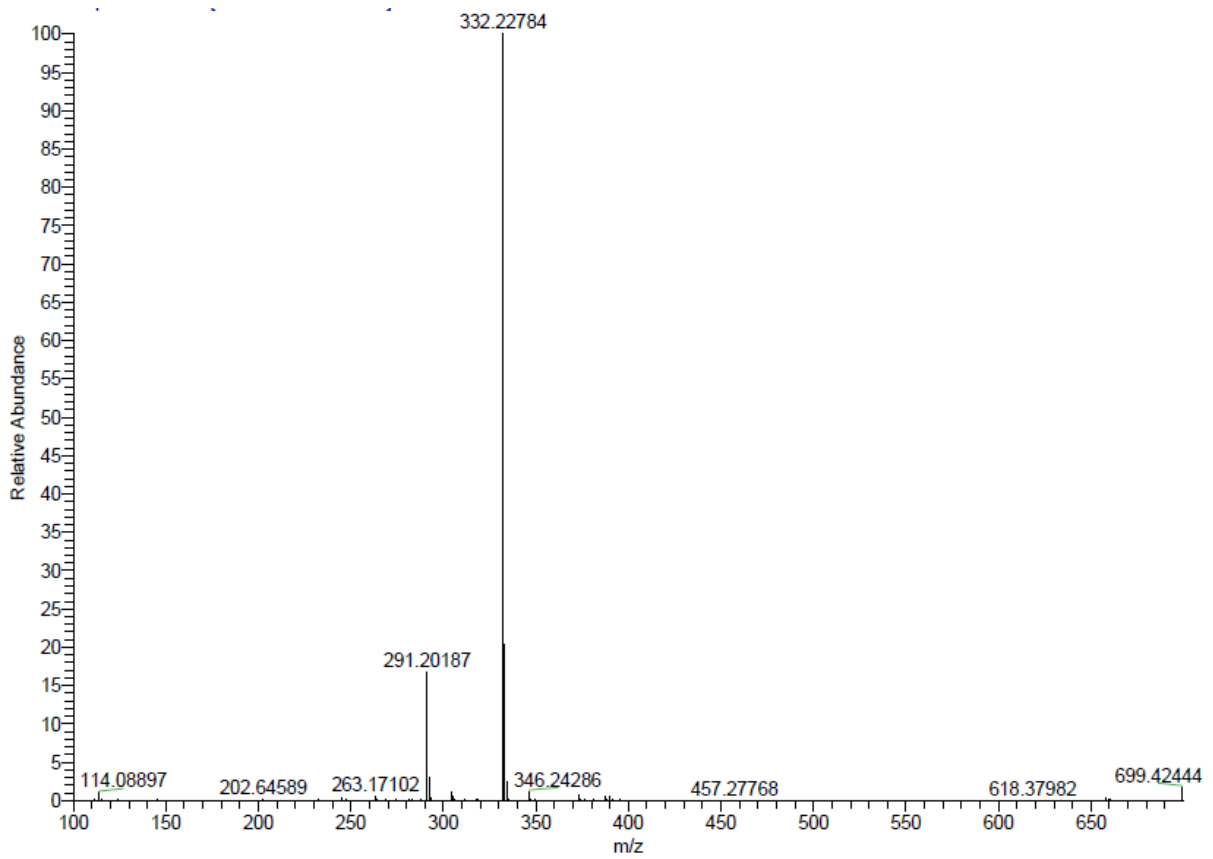
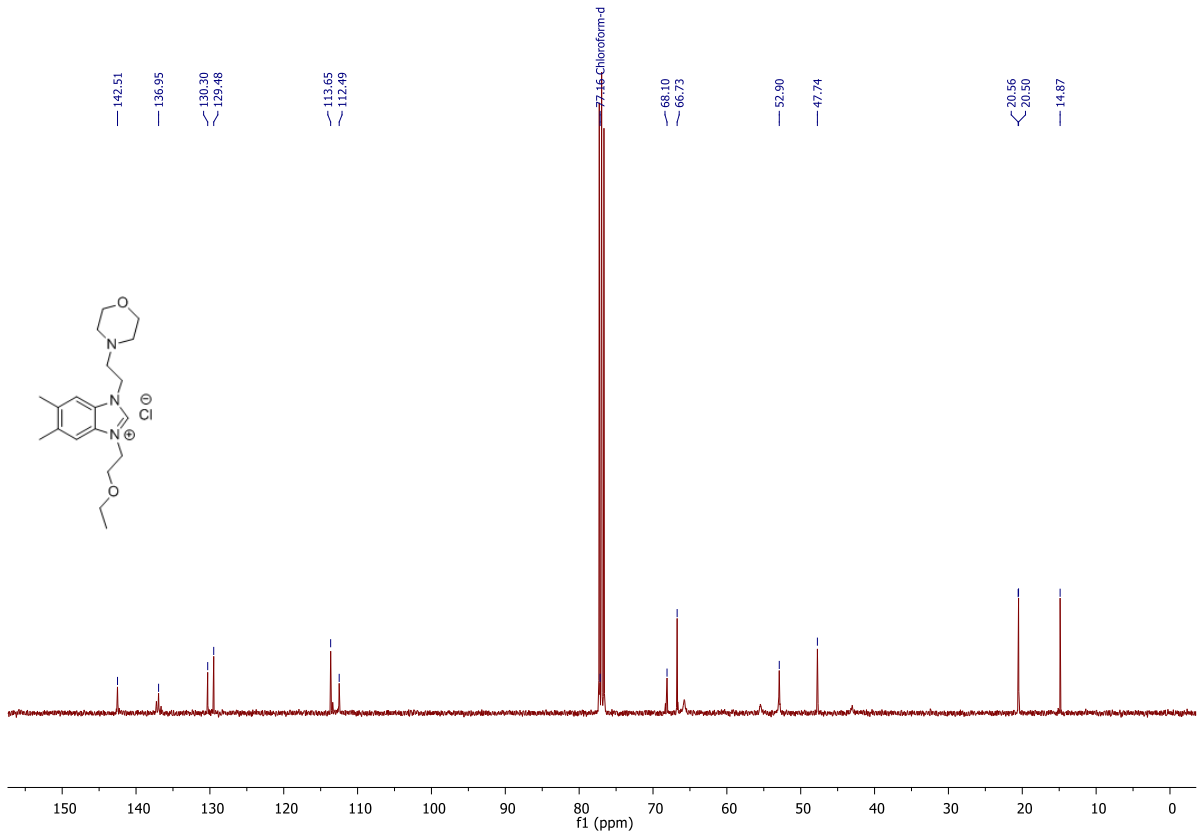
2f





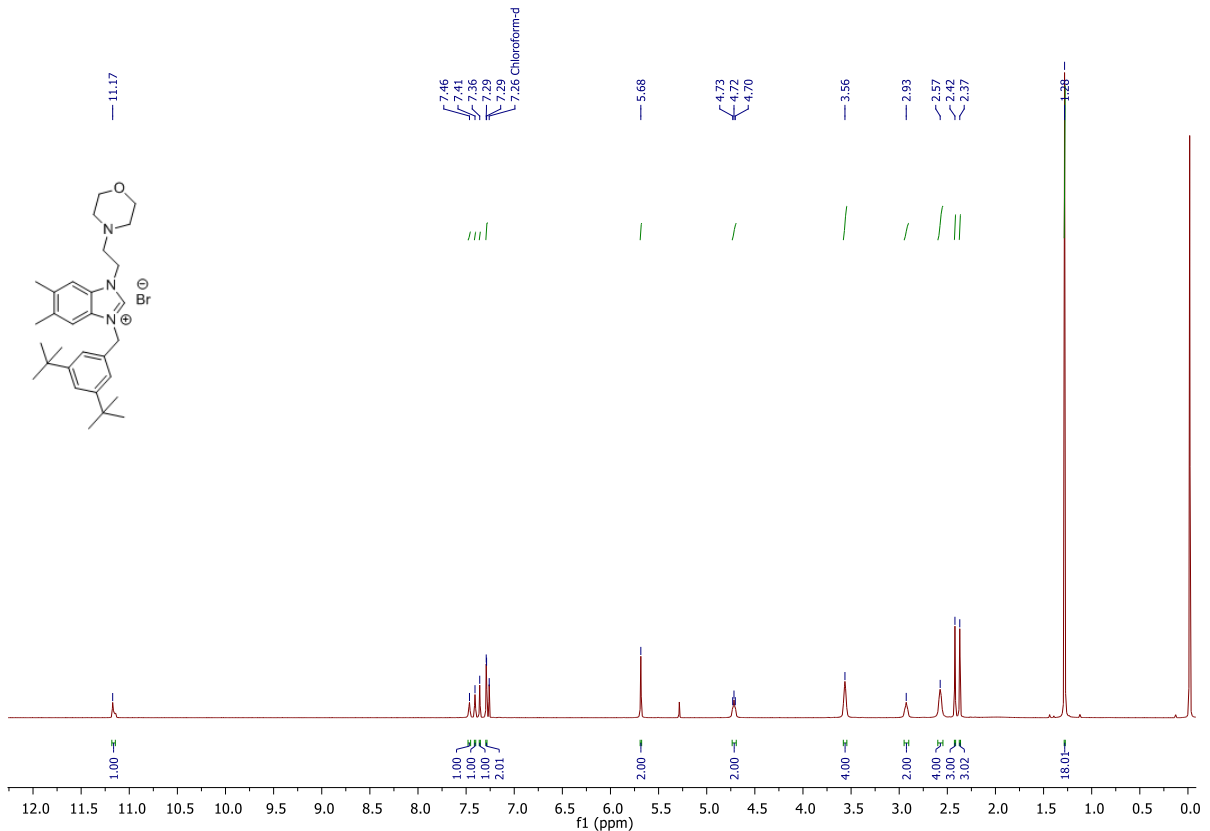
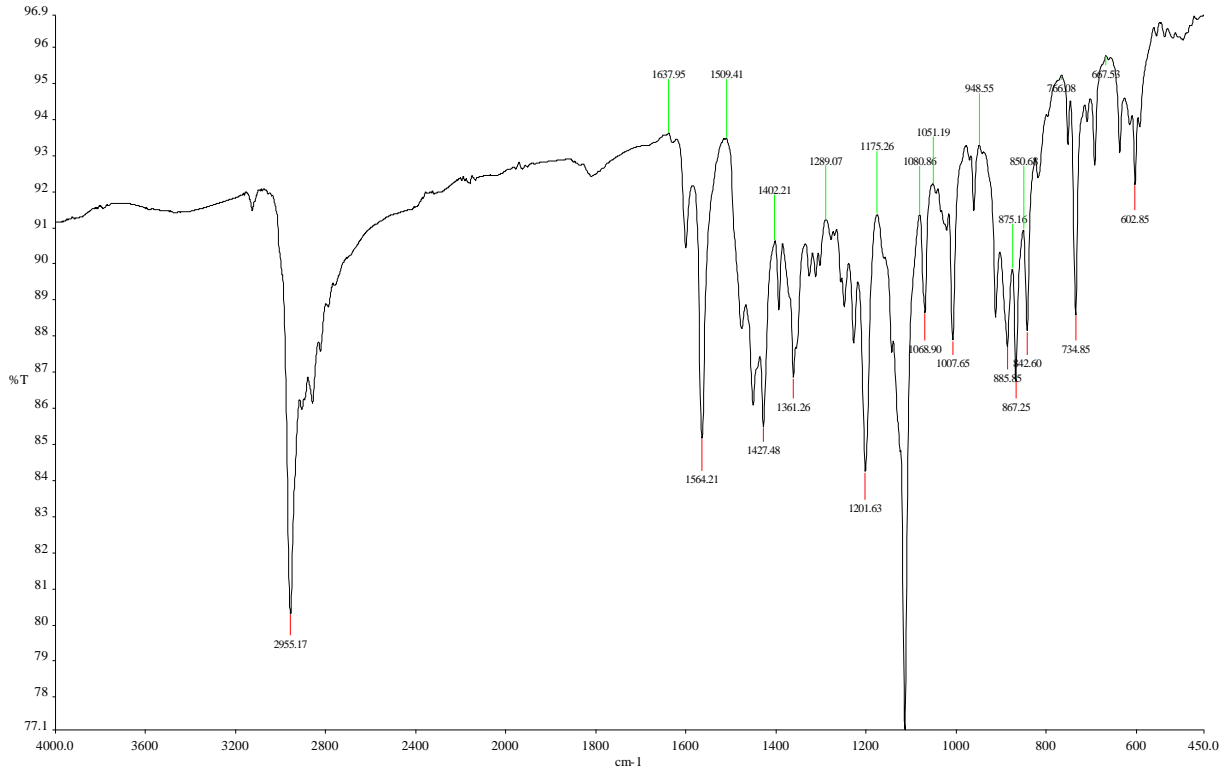
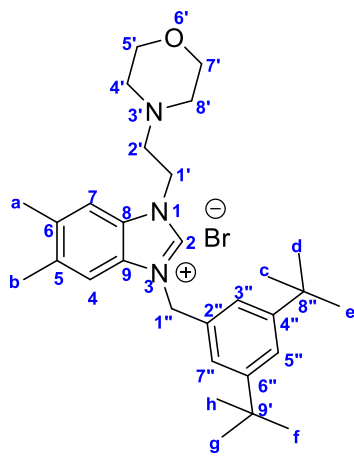
2g

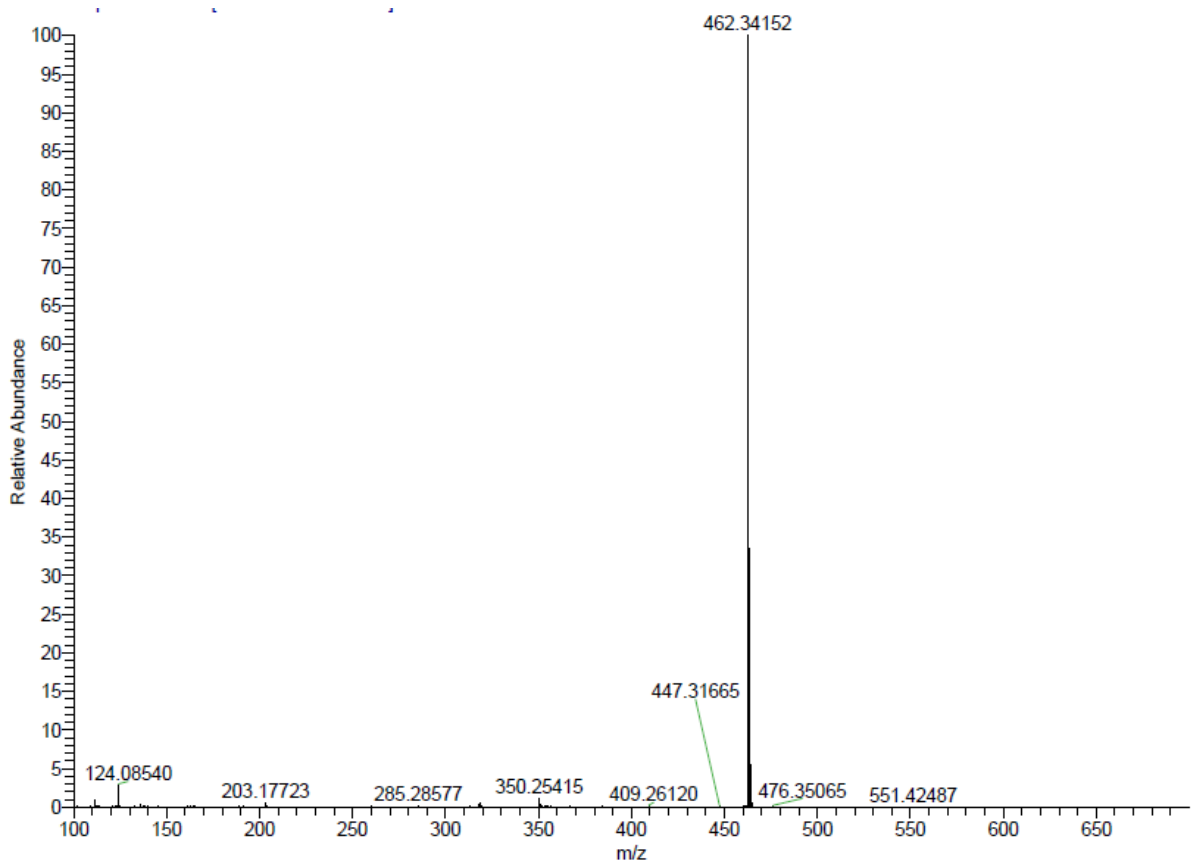
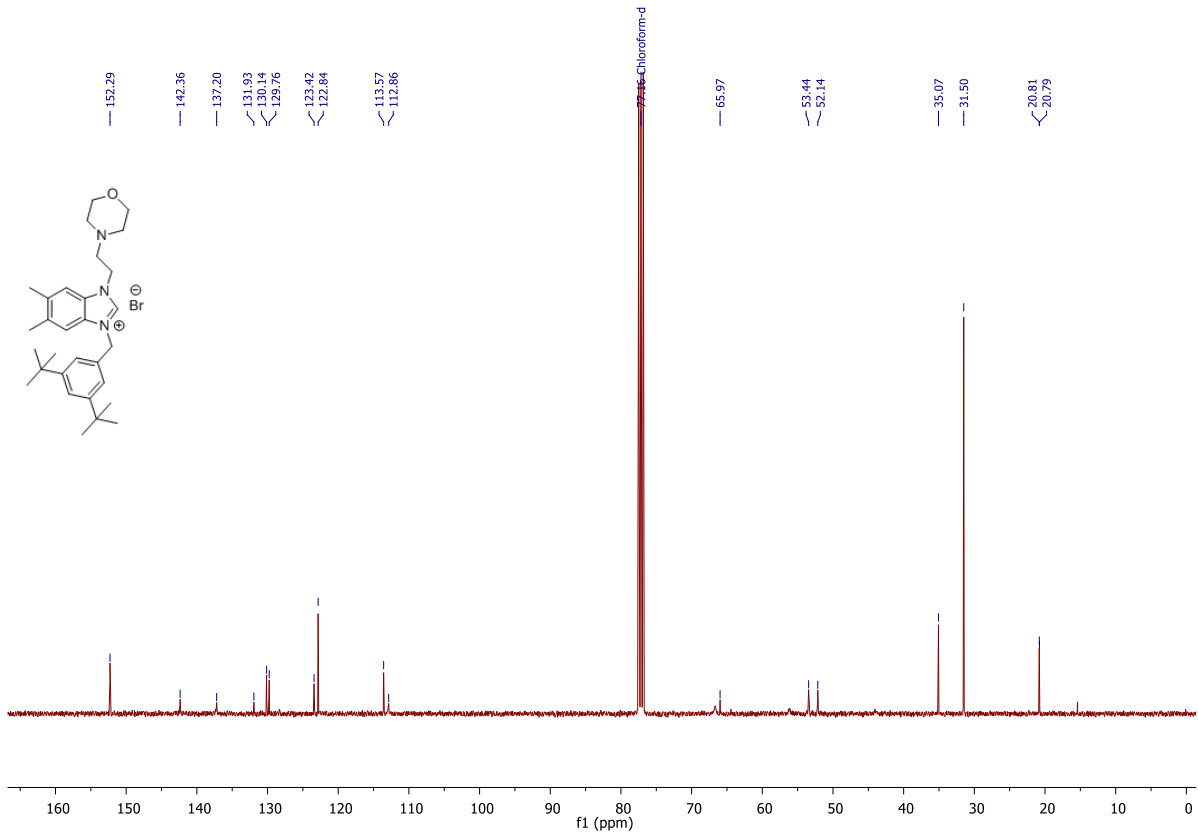


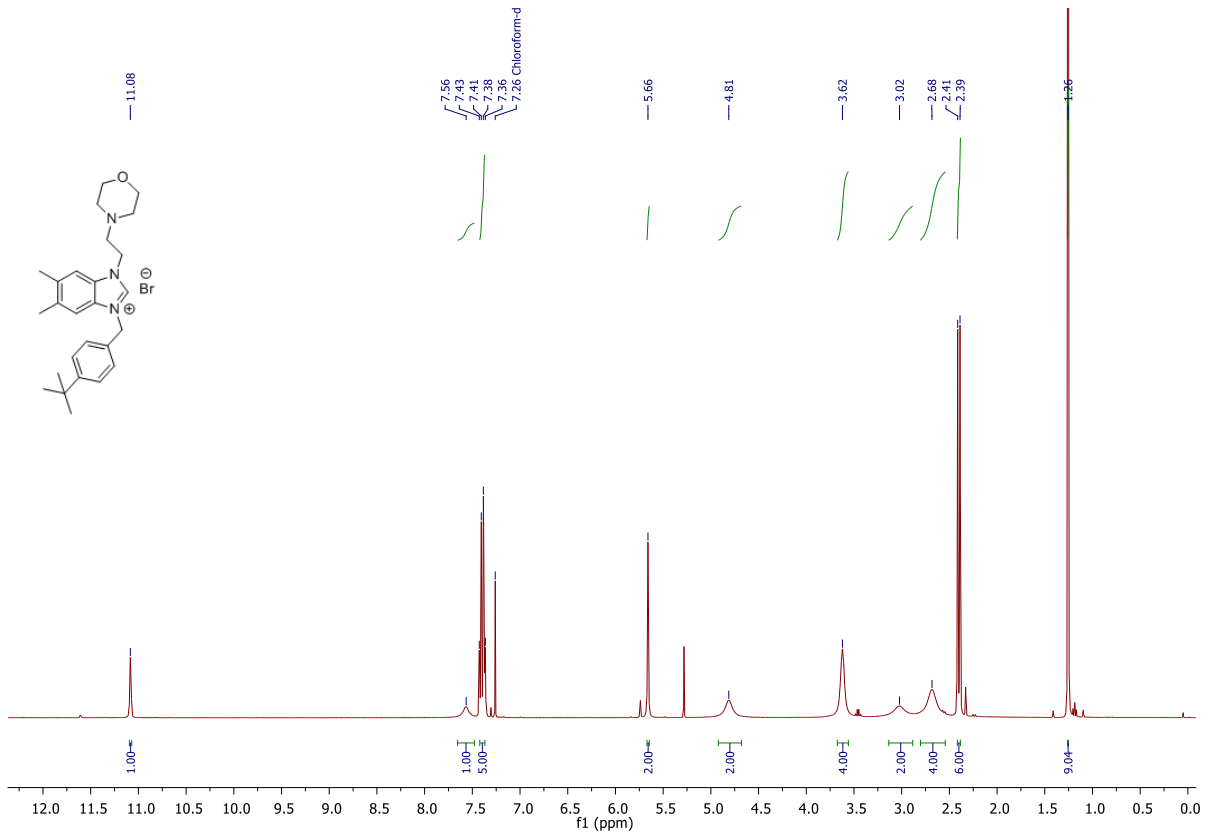
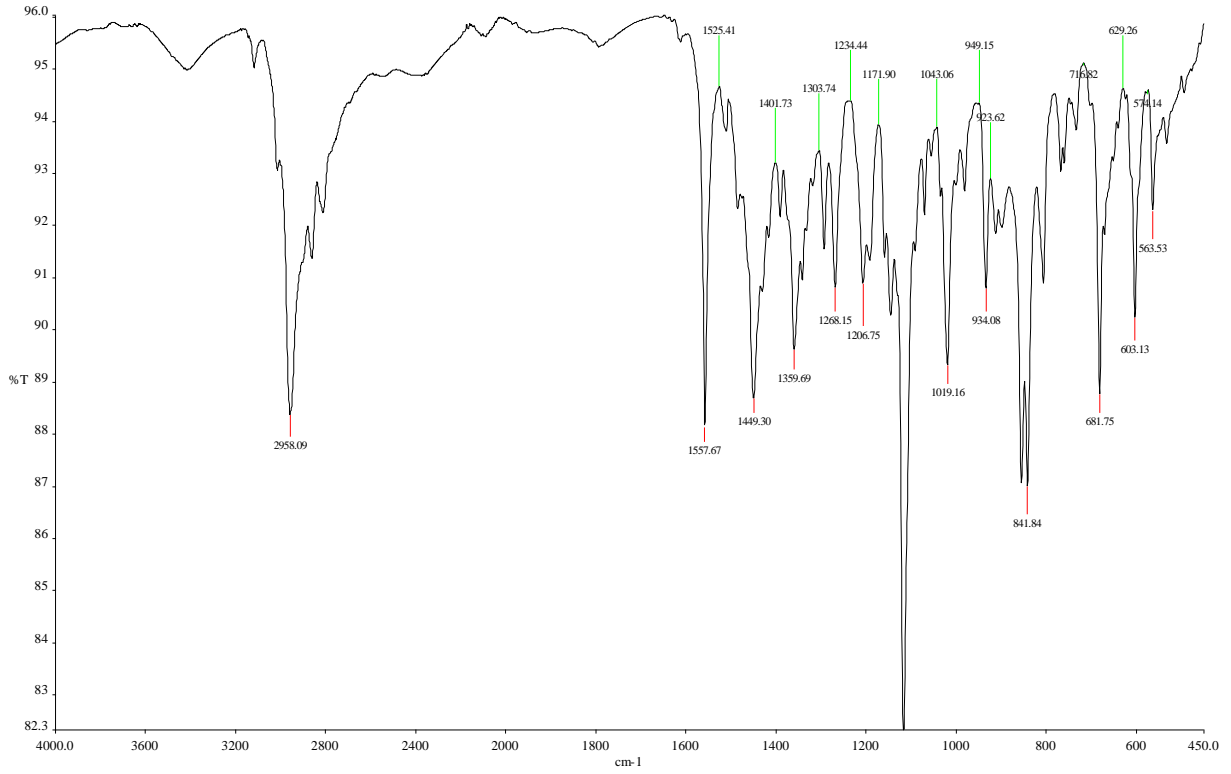
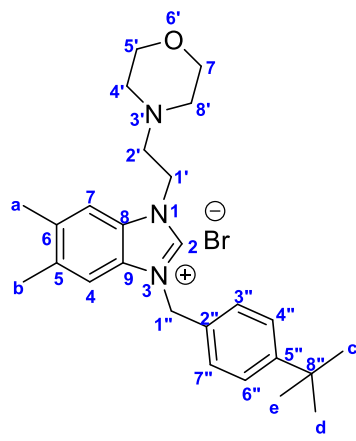


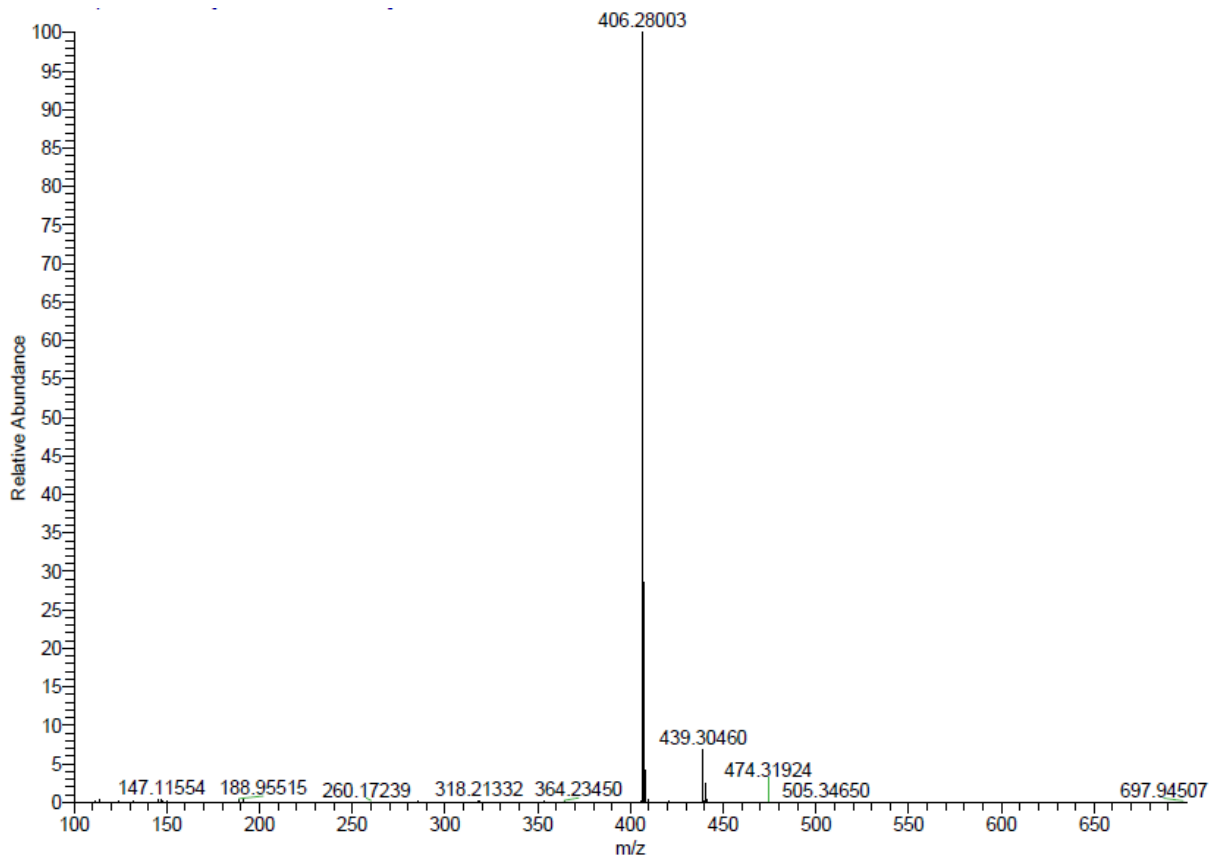
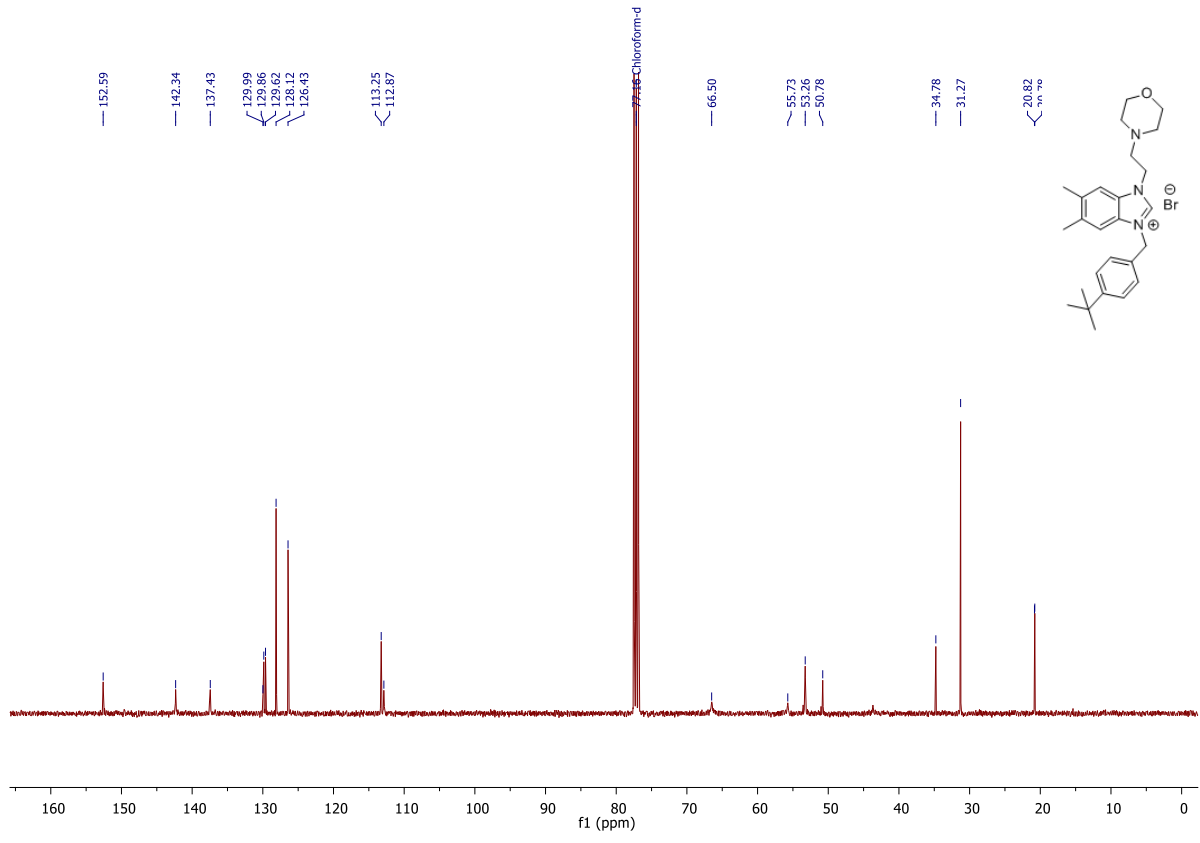
2h



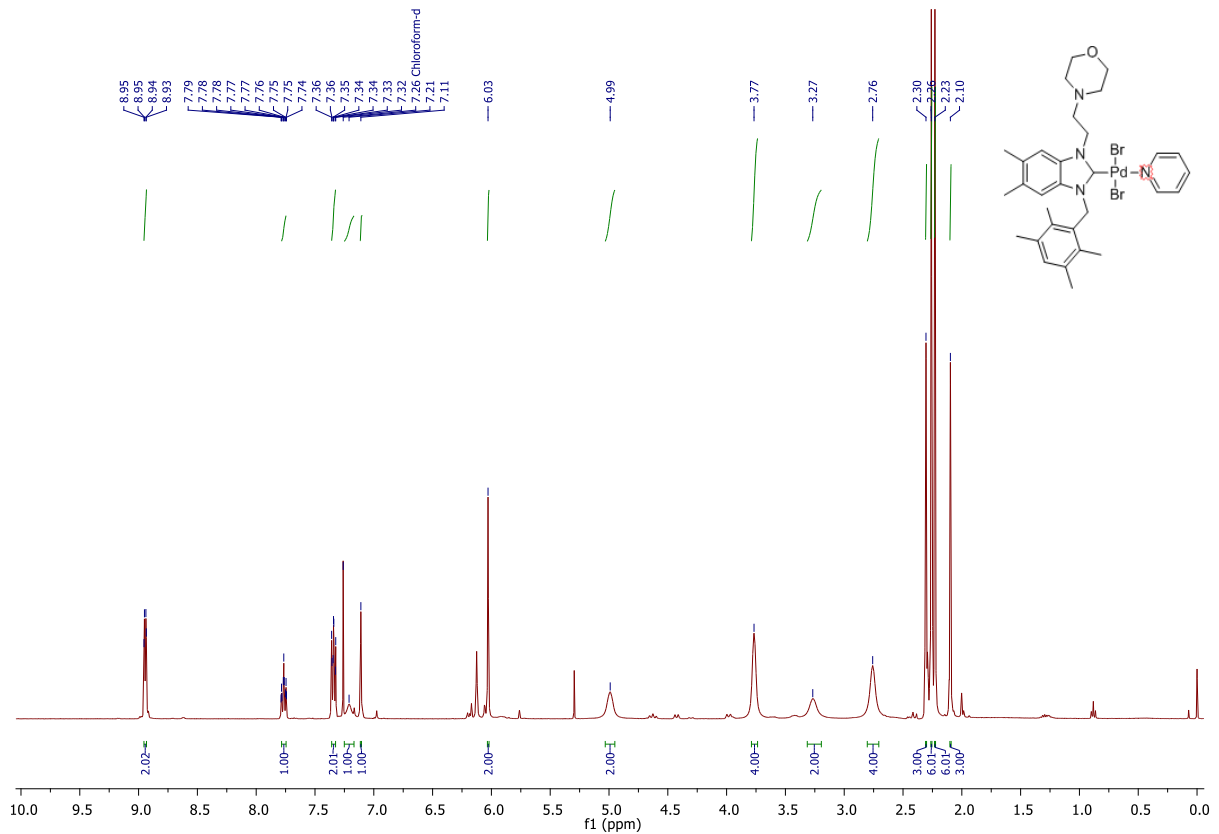
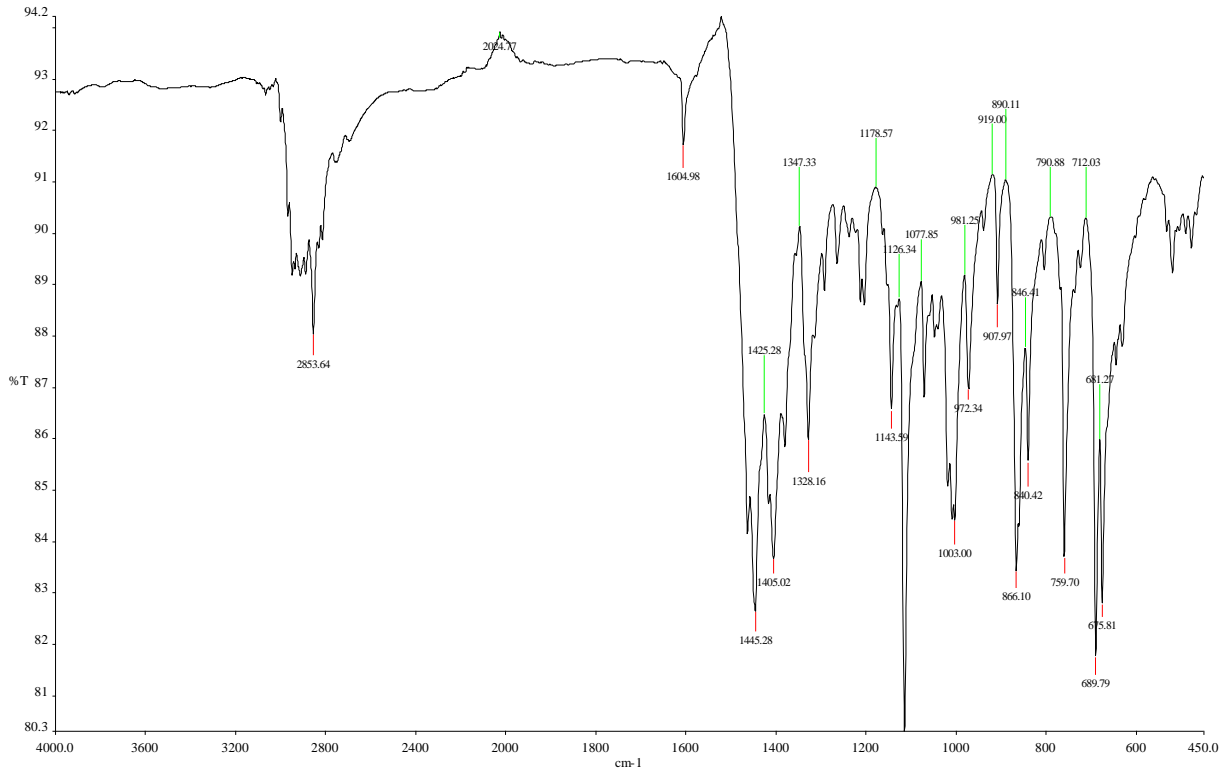
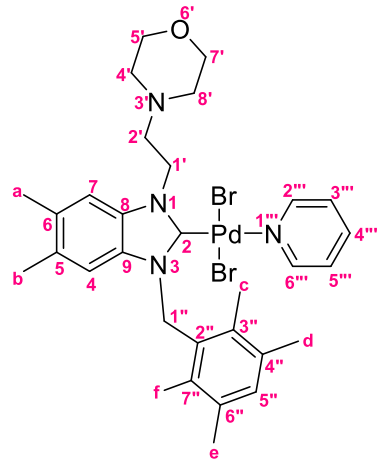


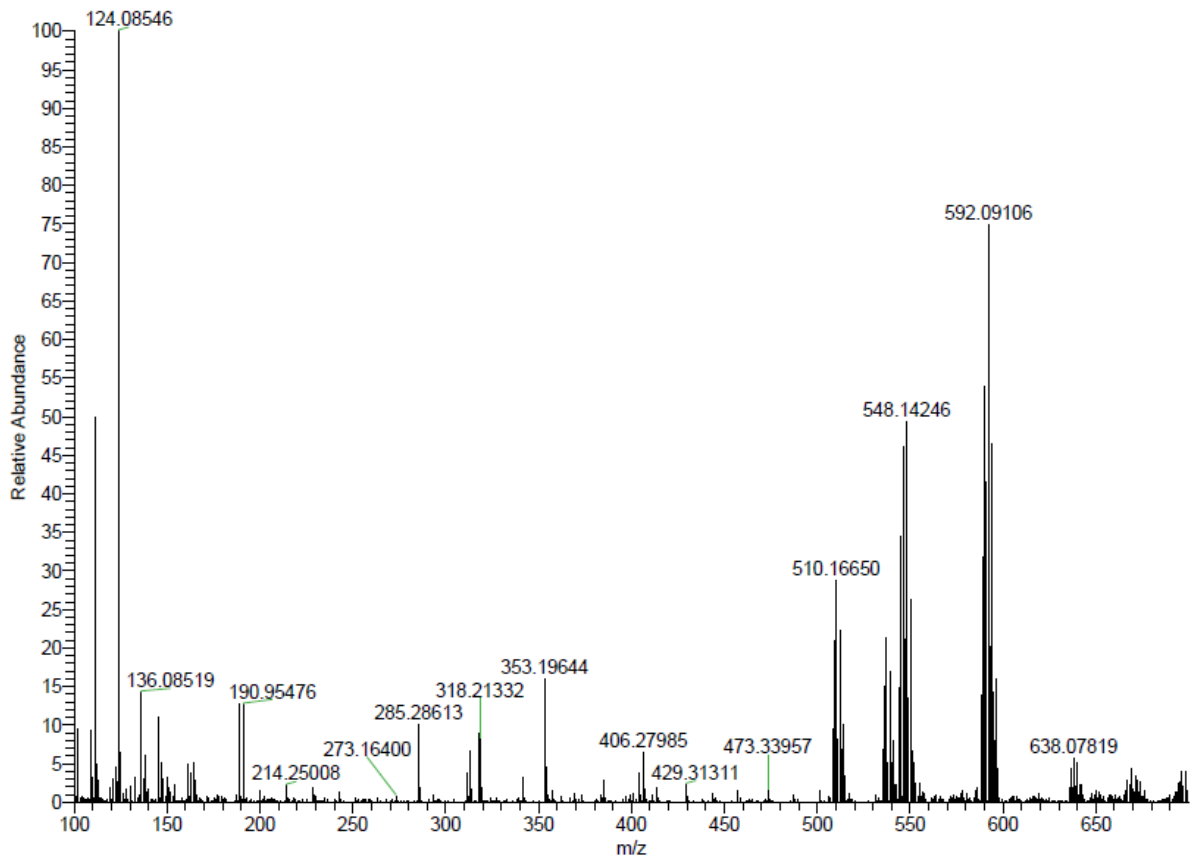
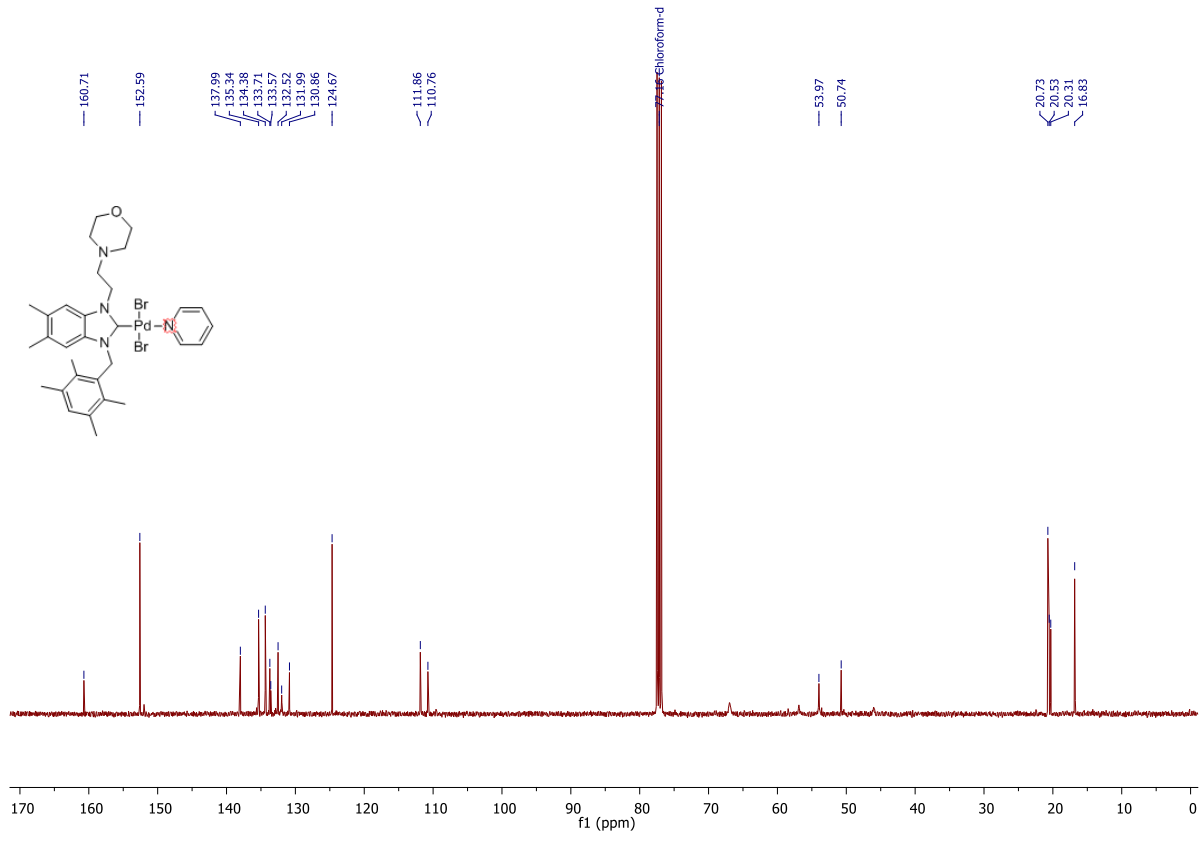




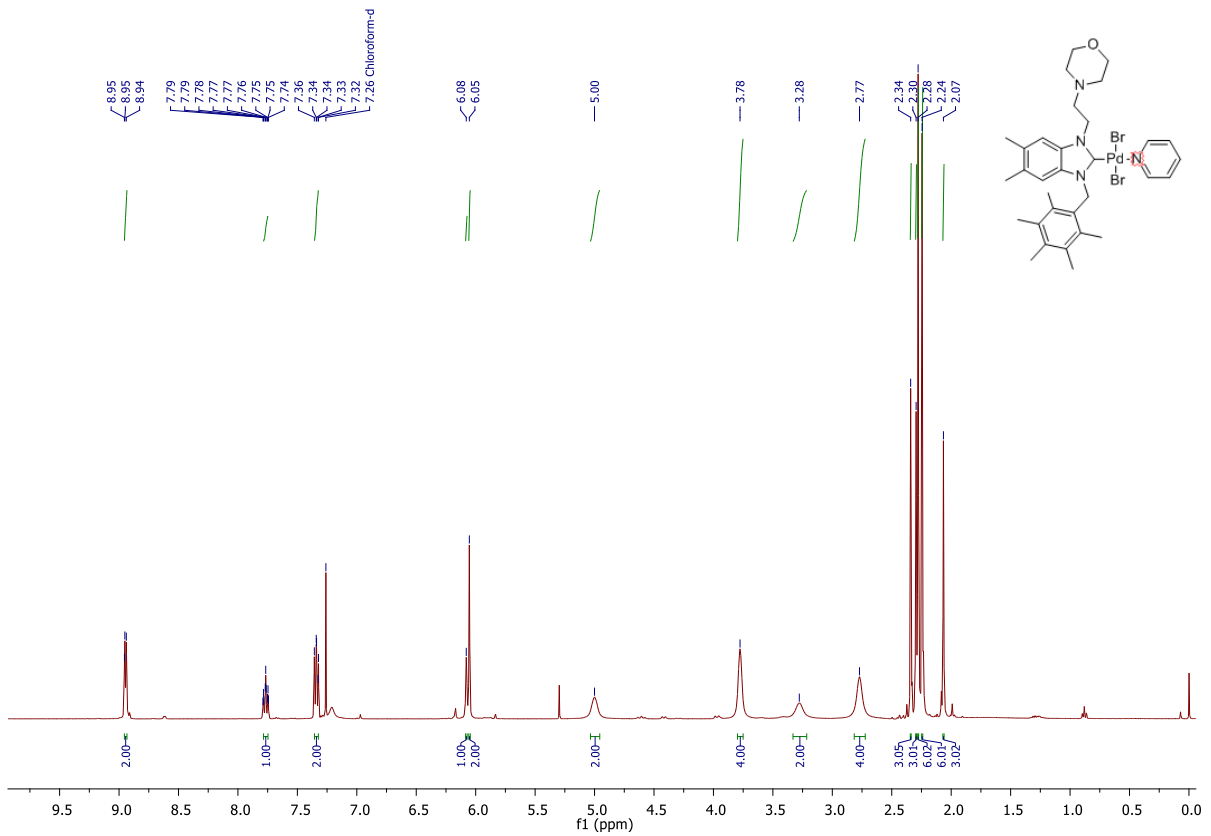
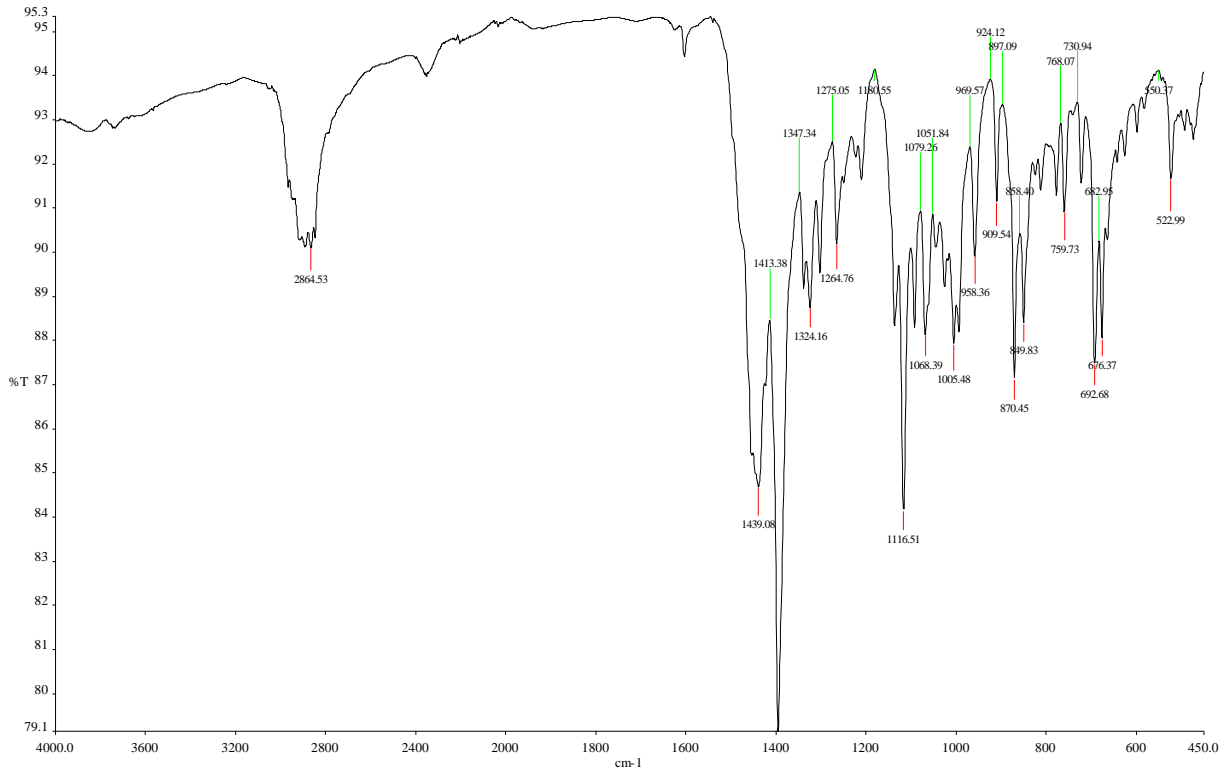
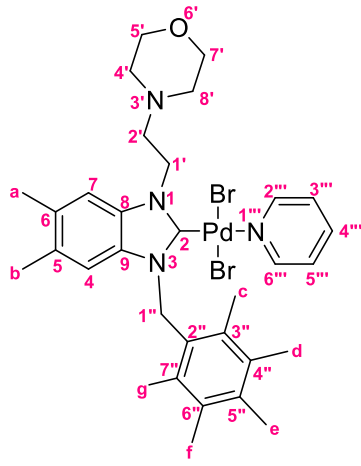


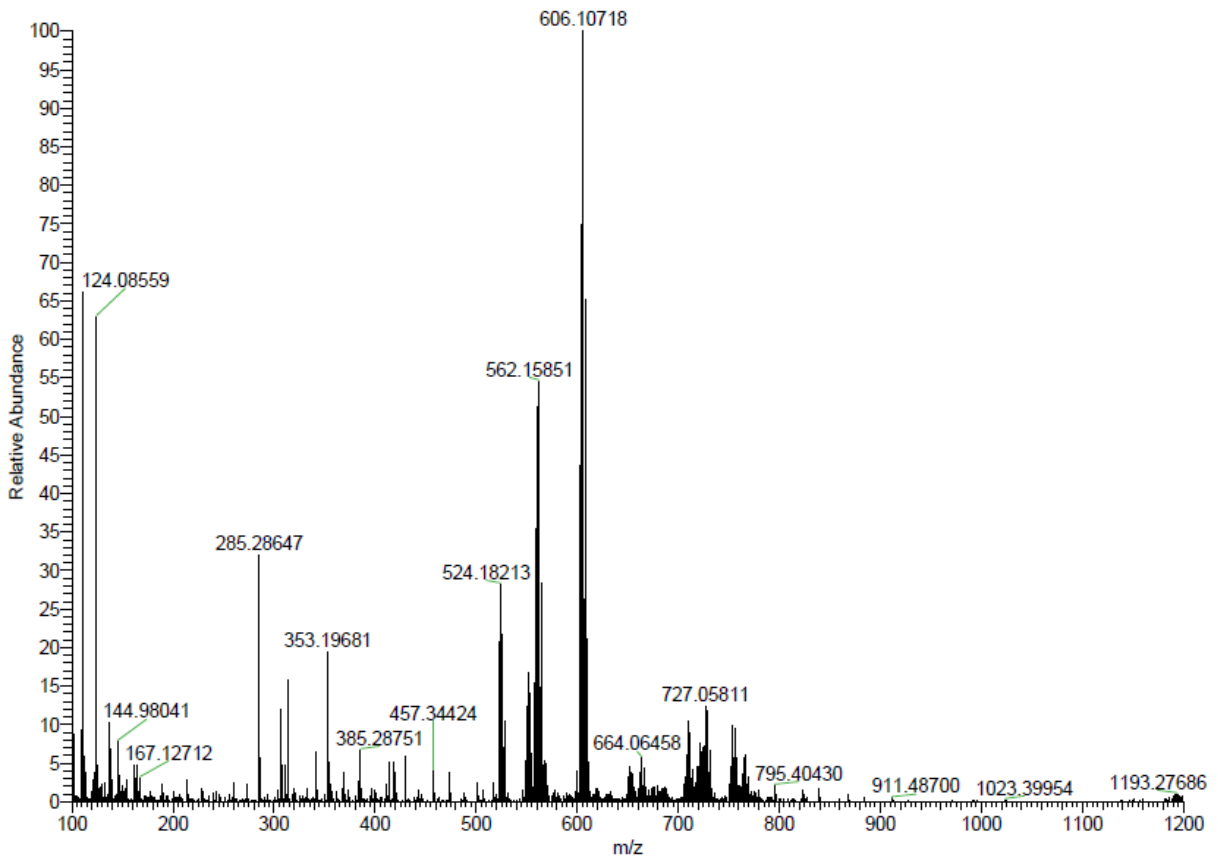
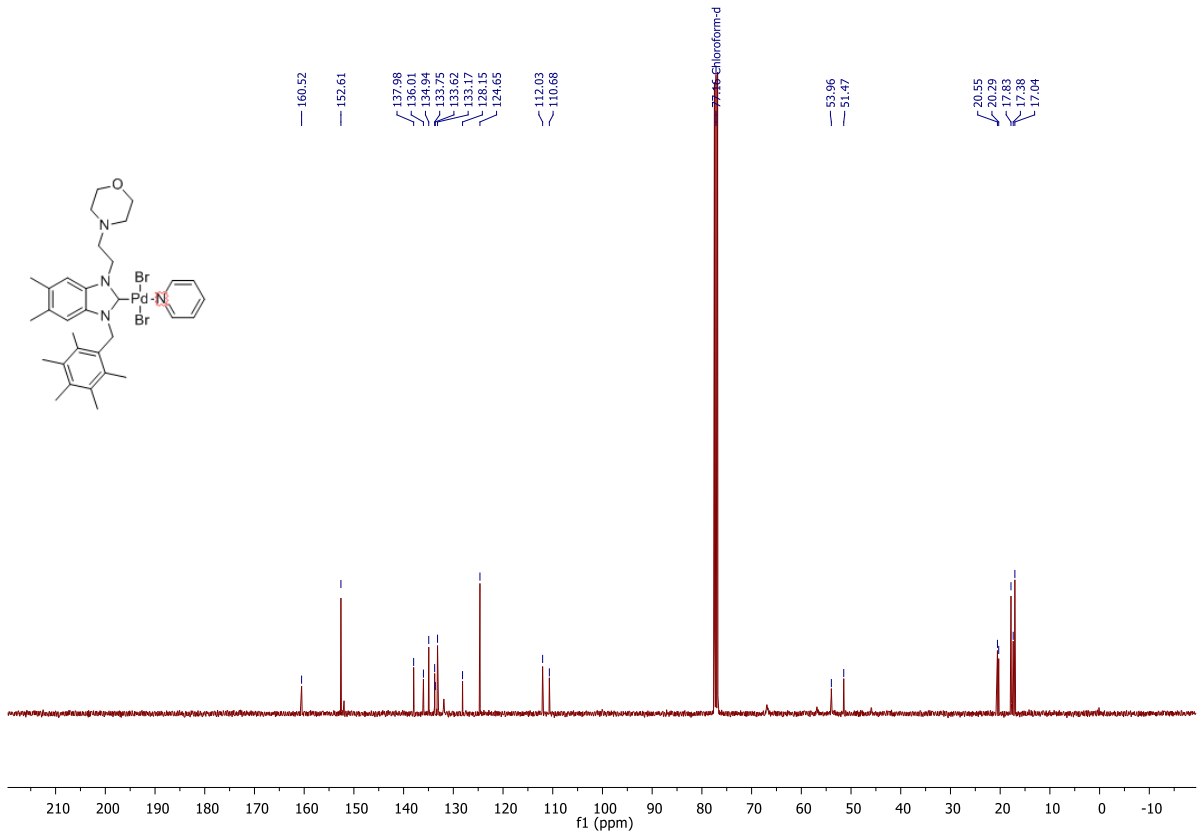
3a





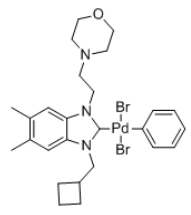
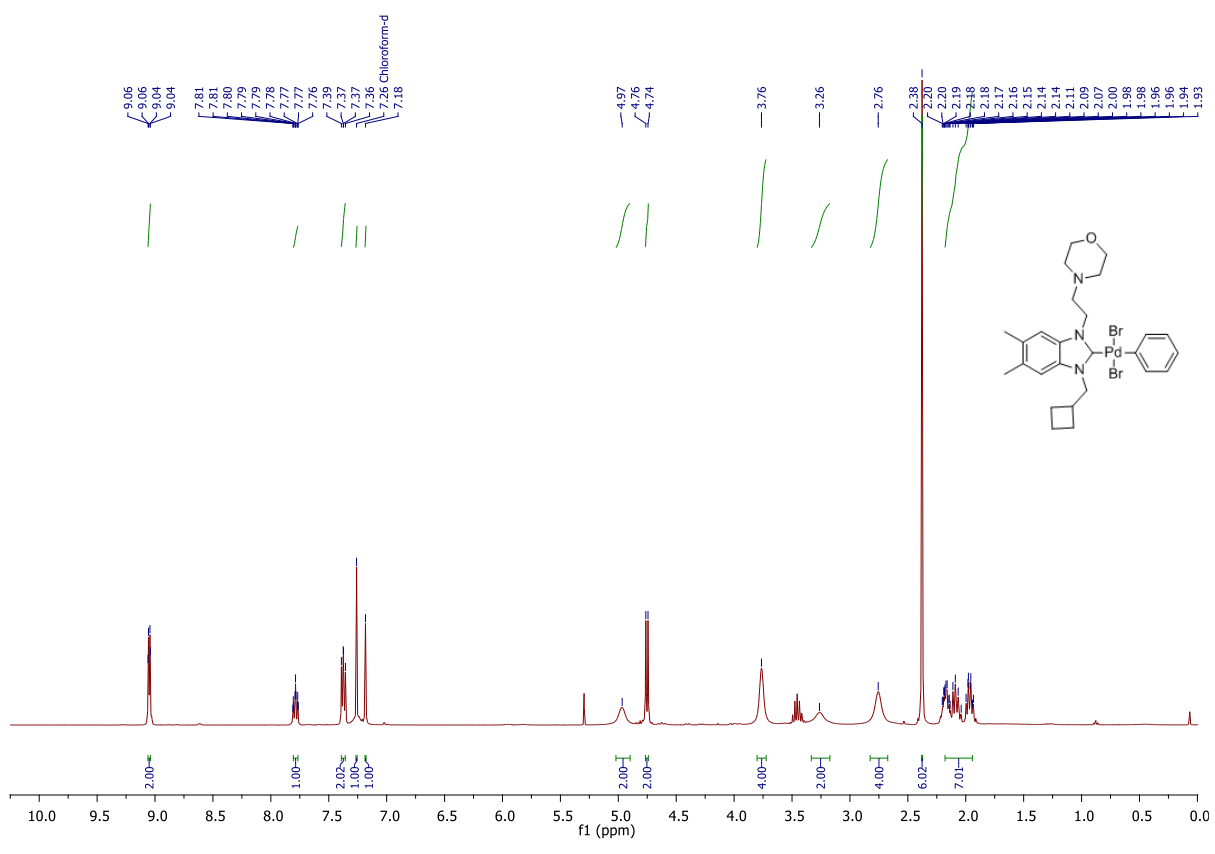
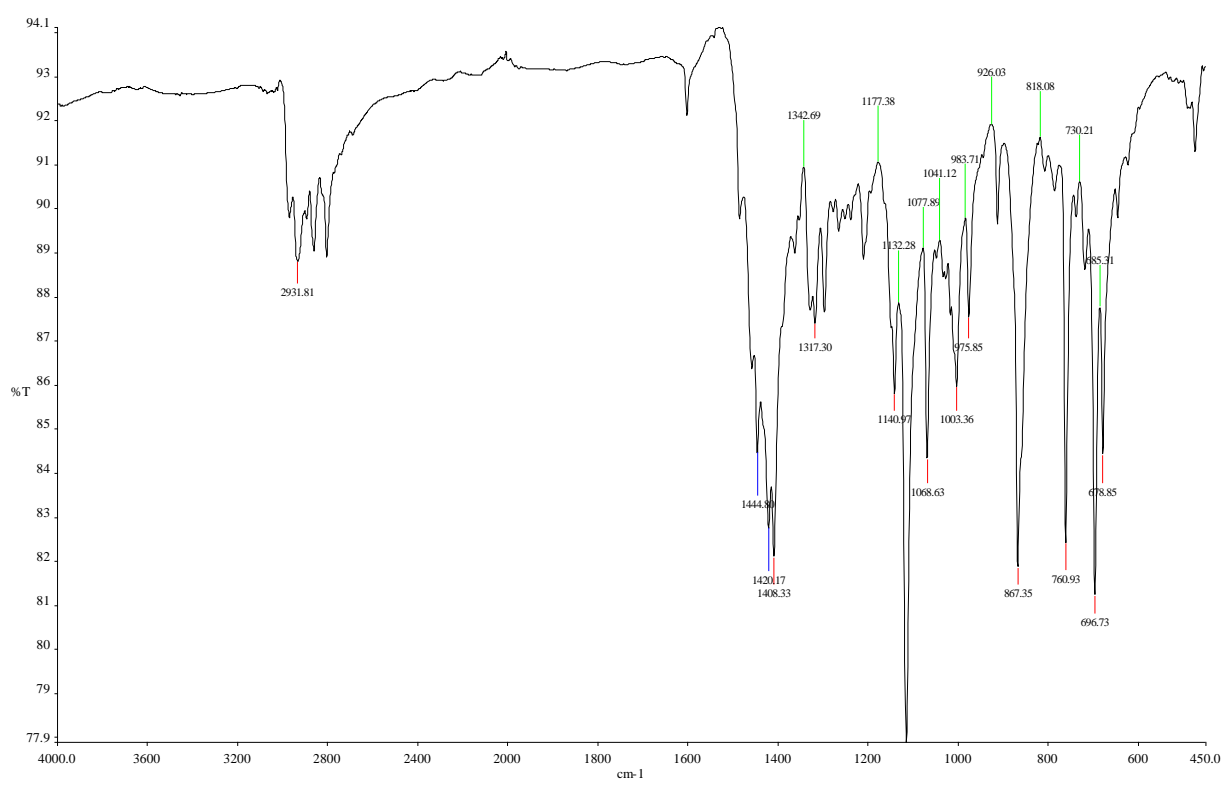
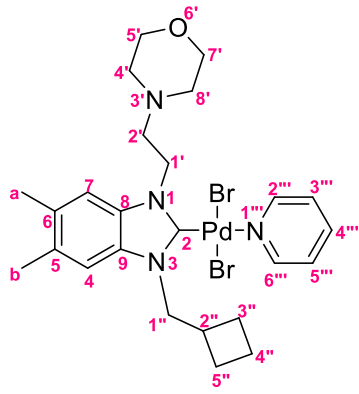
3b

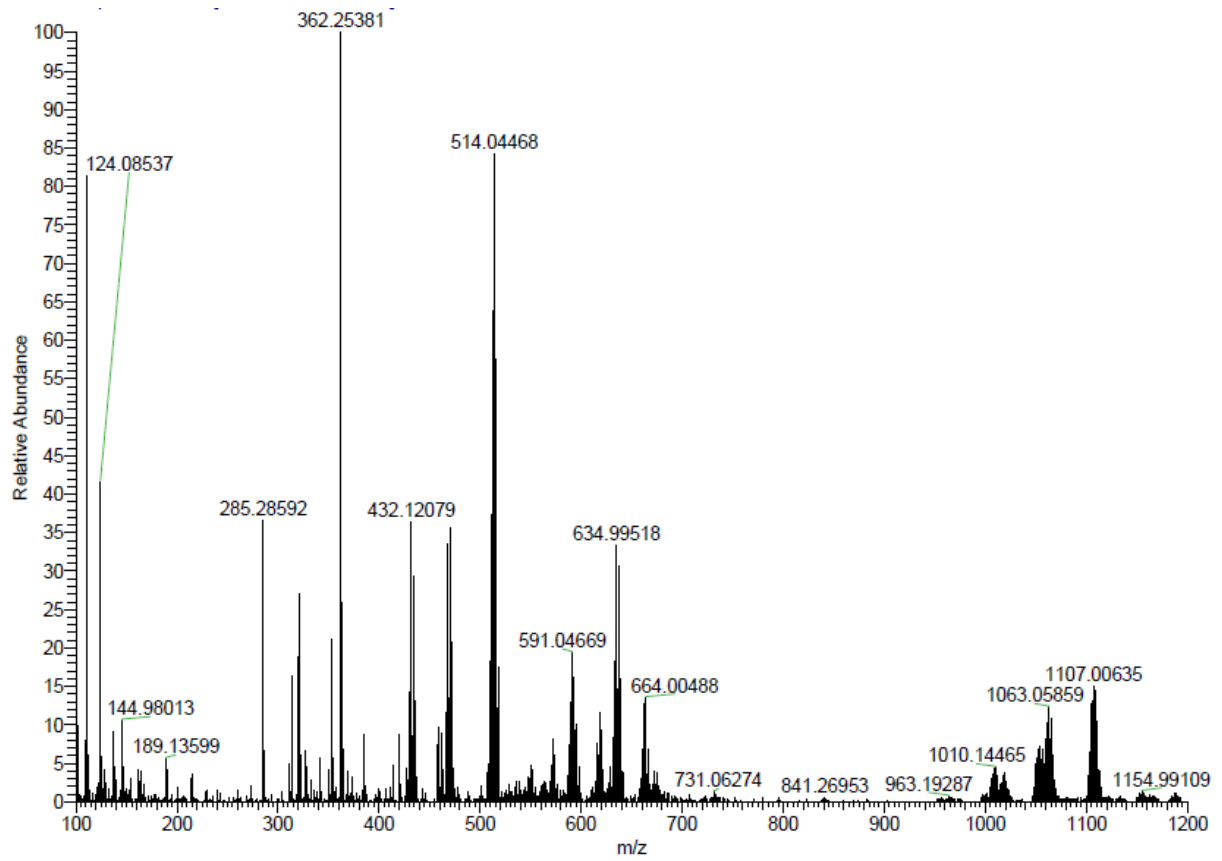
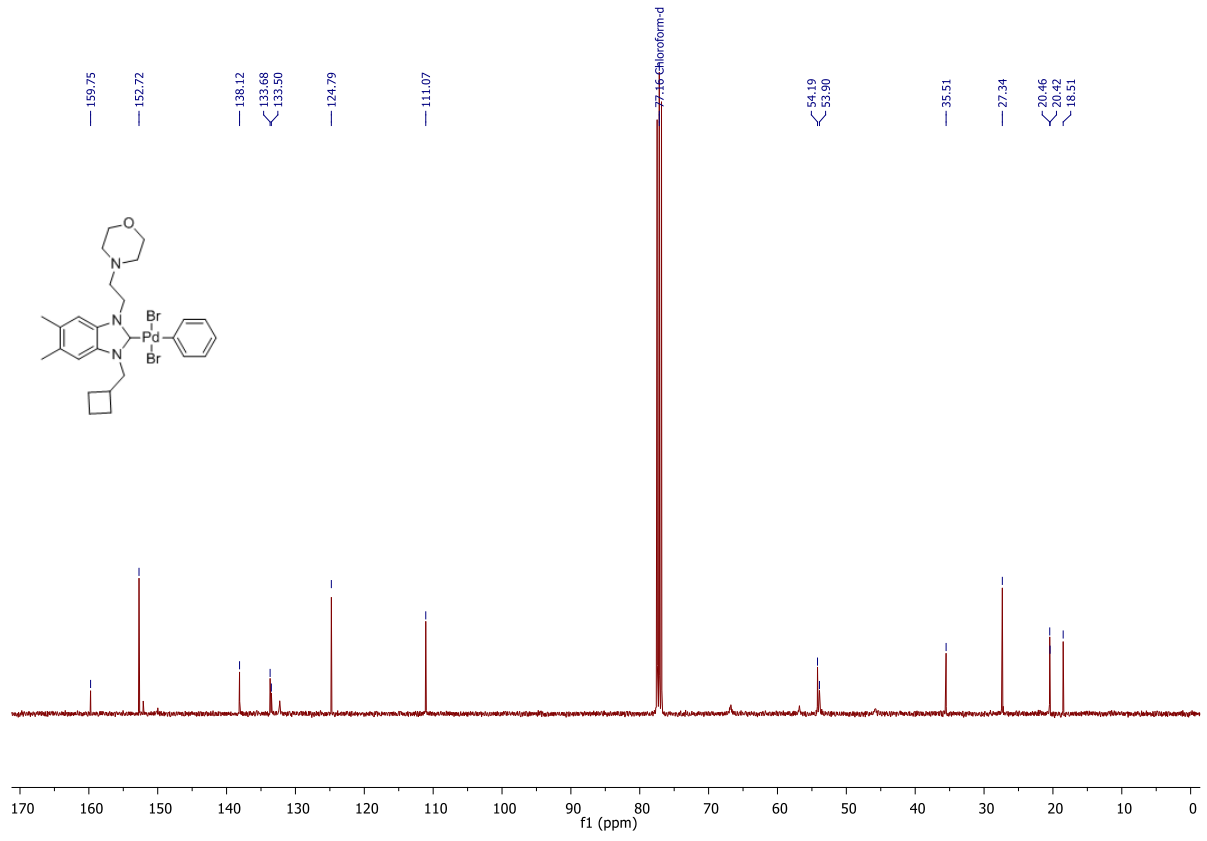




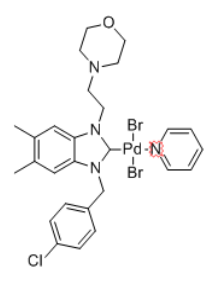
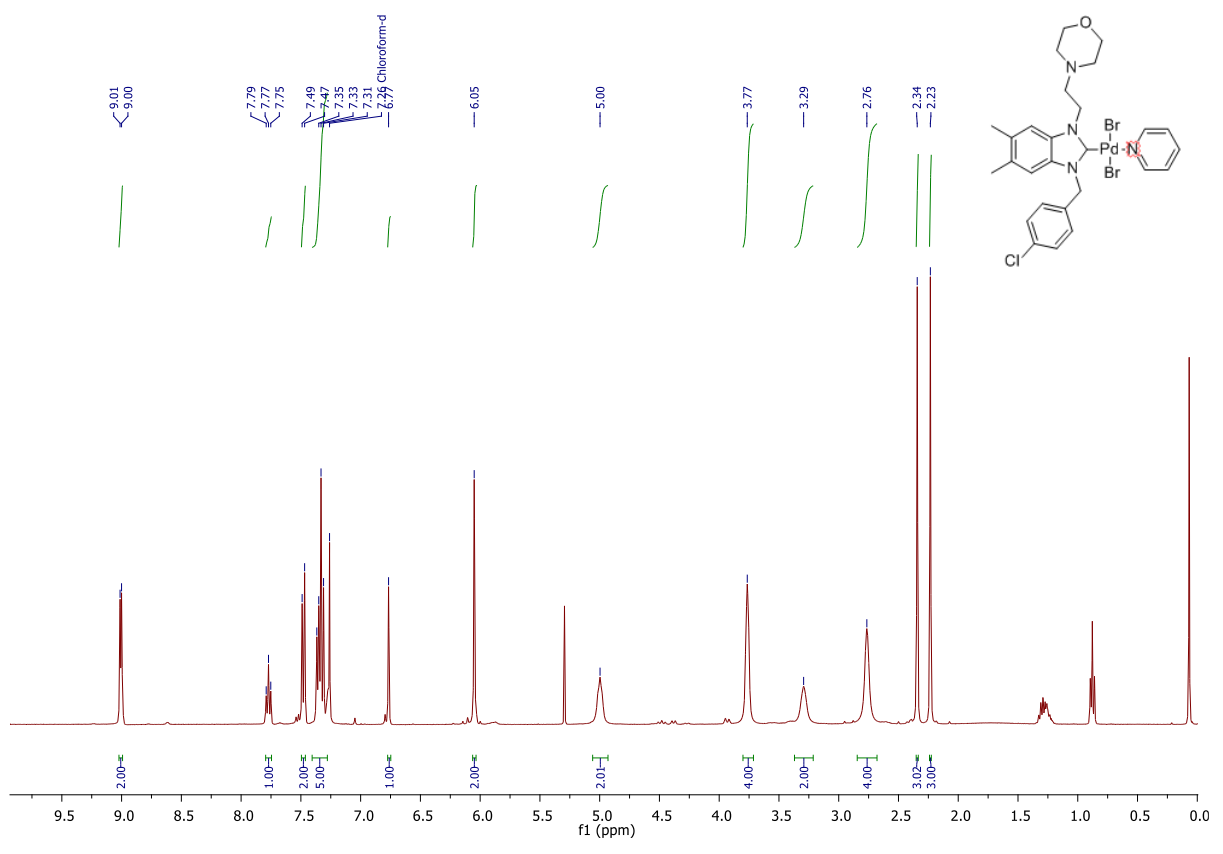
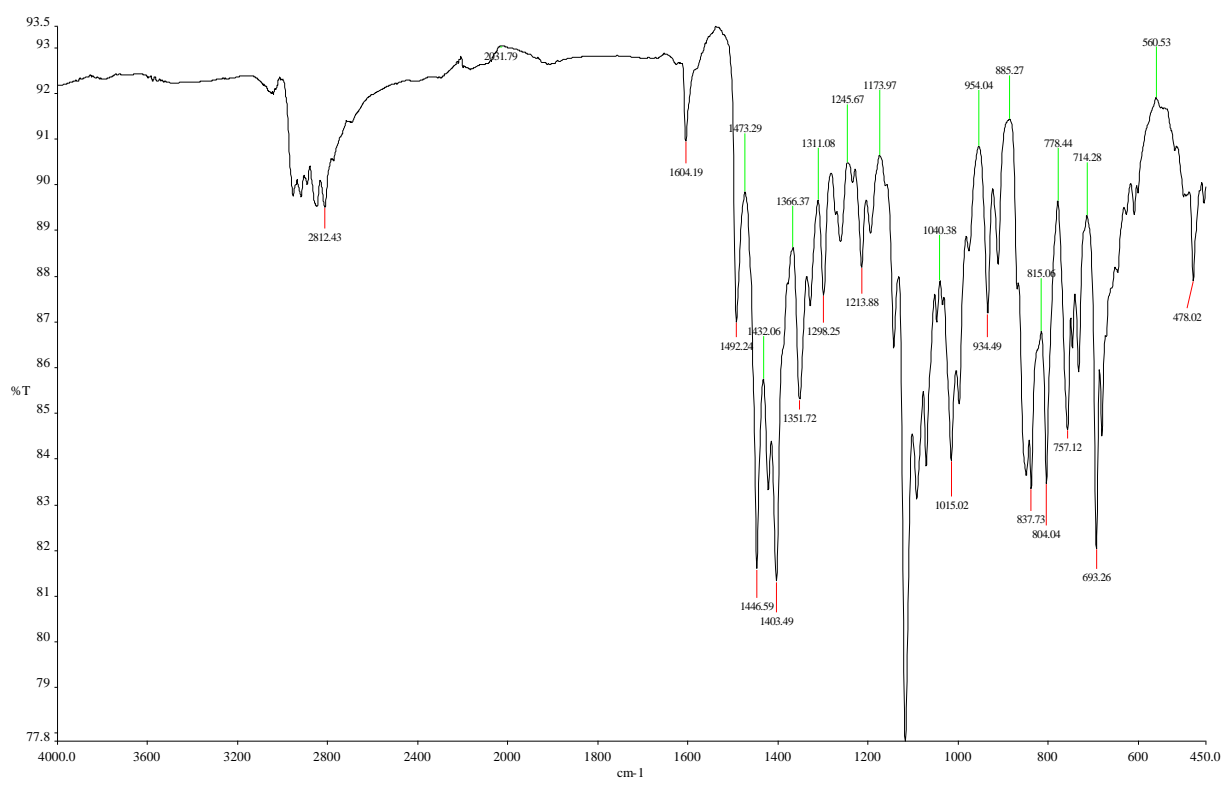
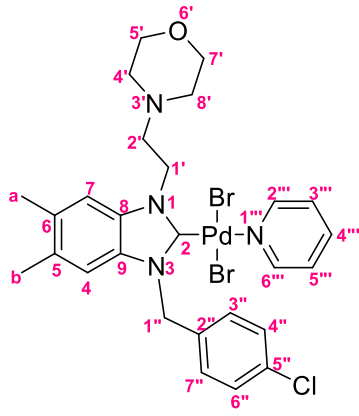
3c

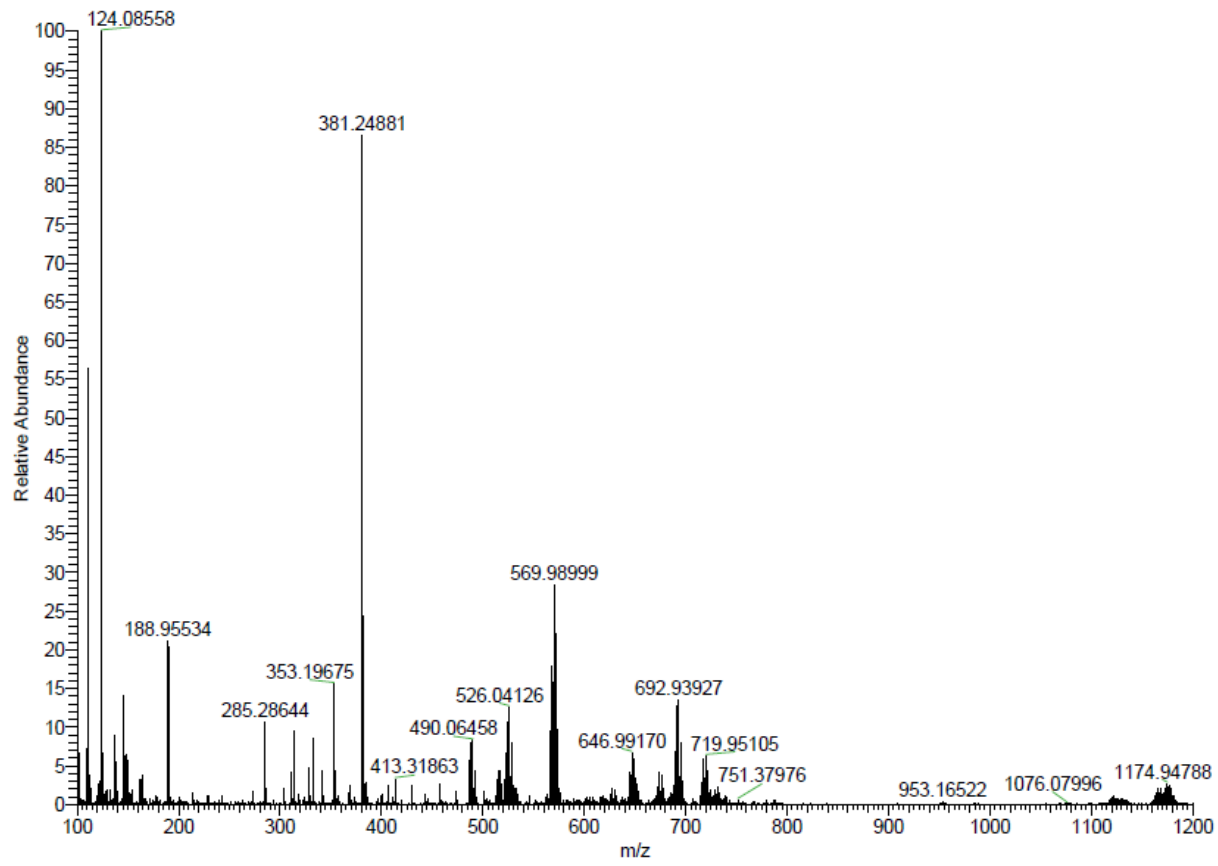
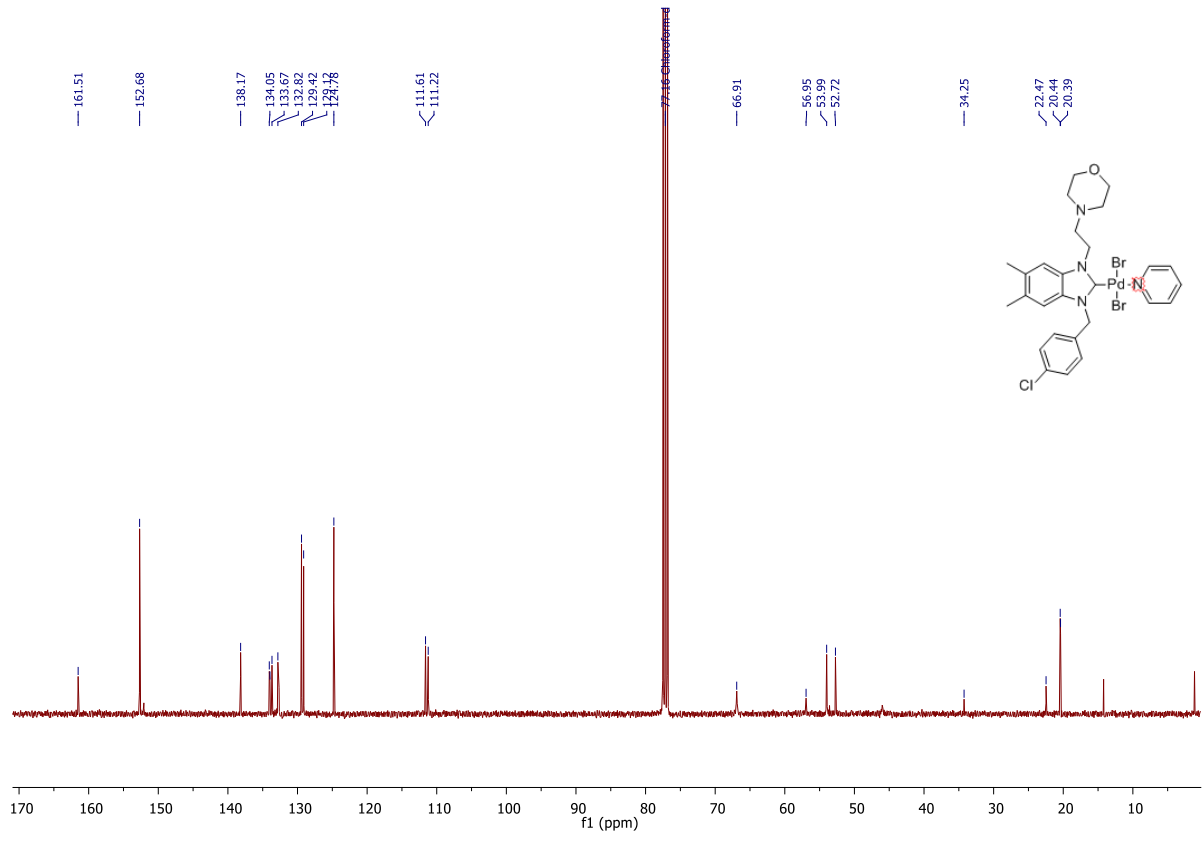




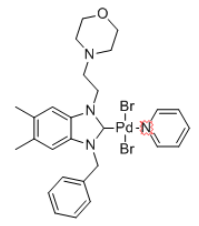
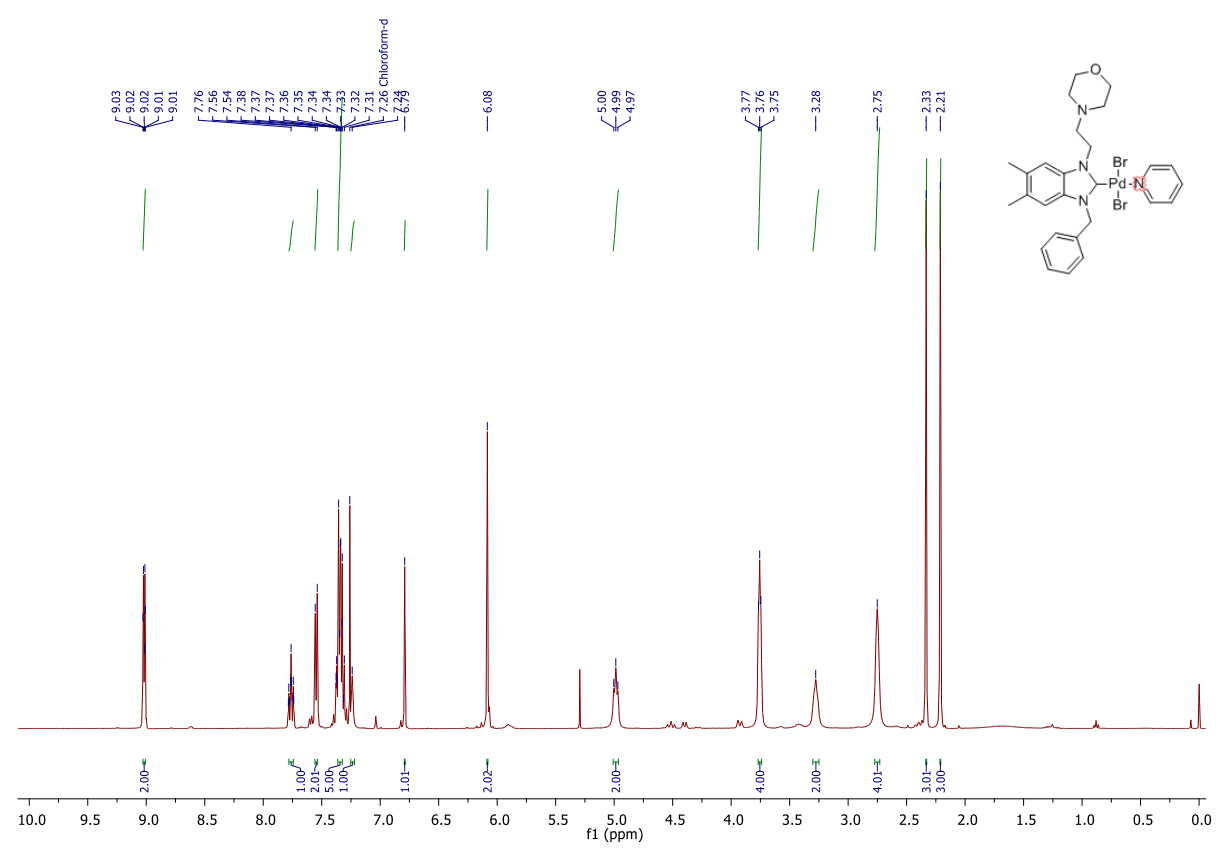
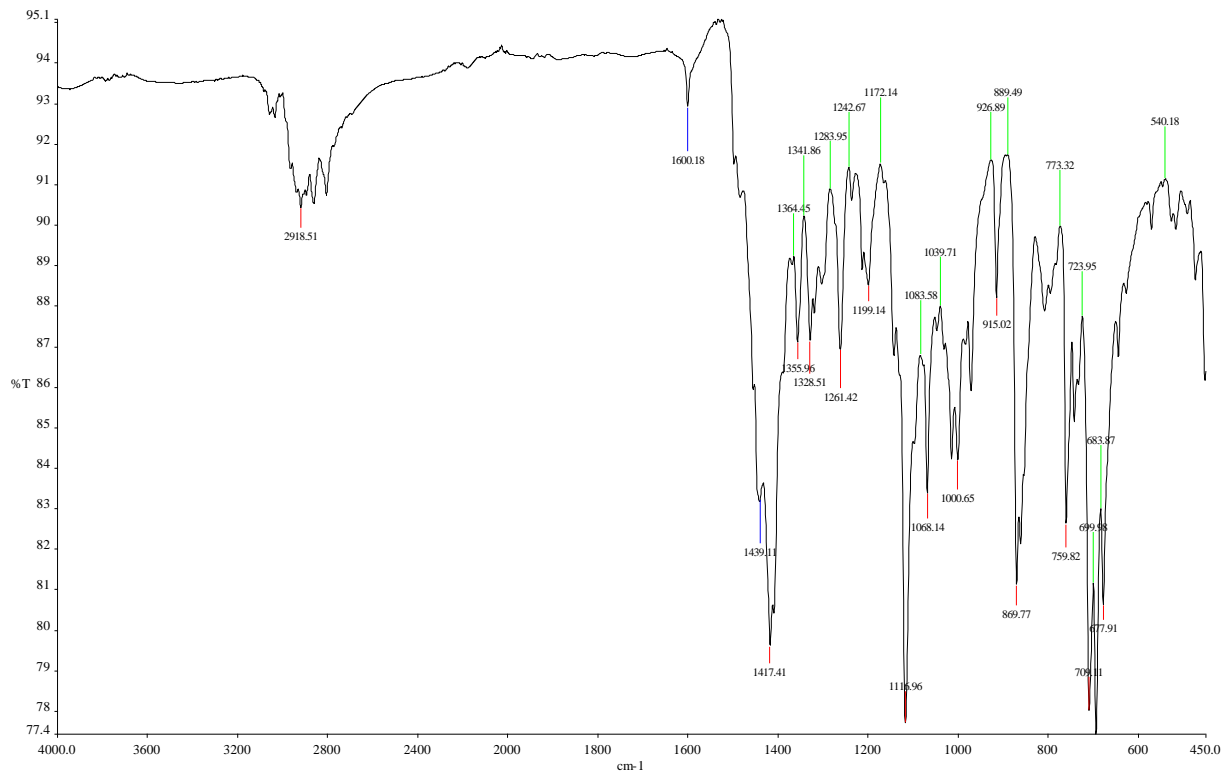
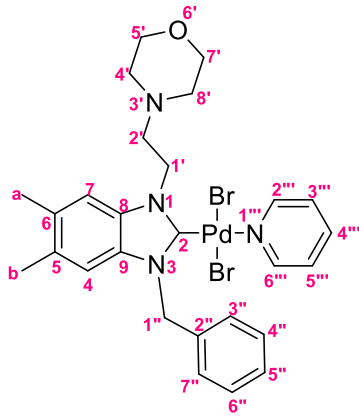


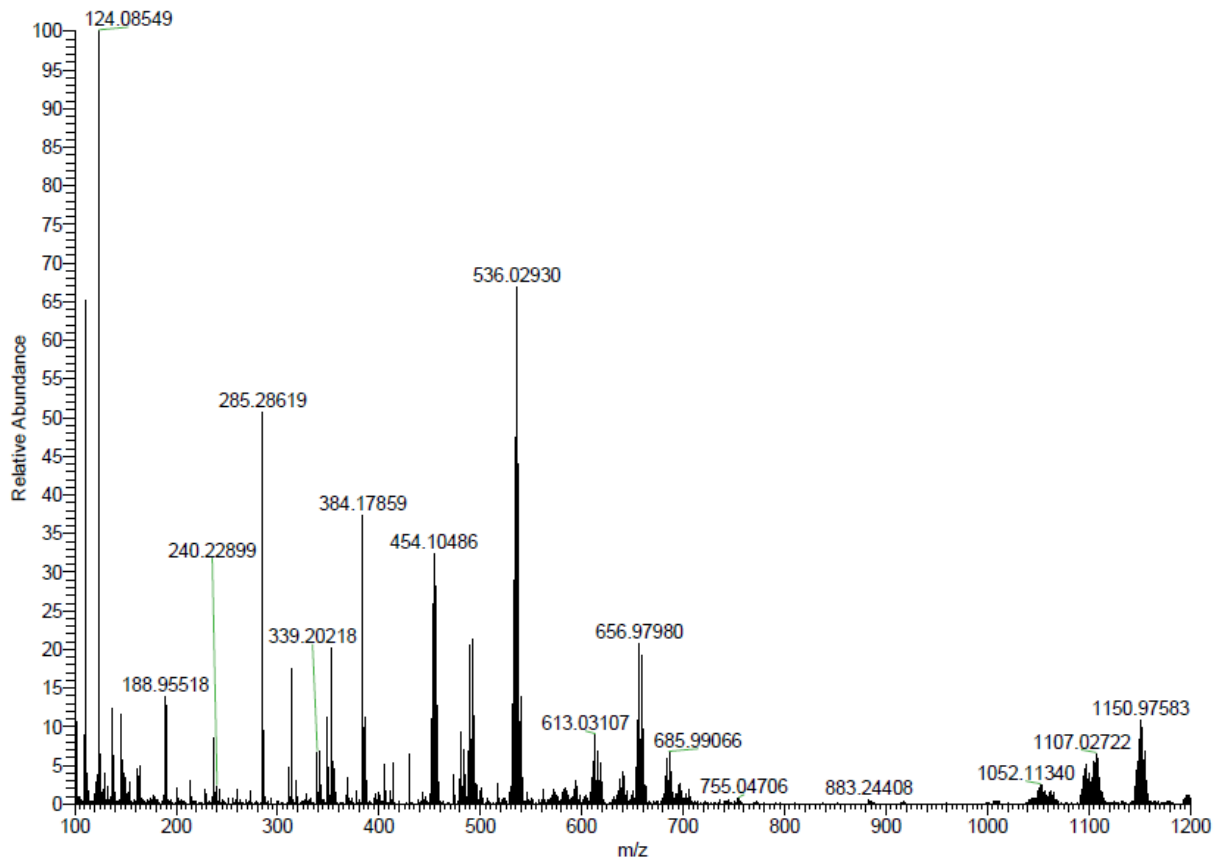
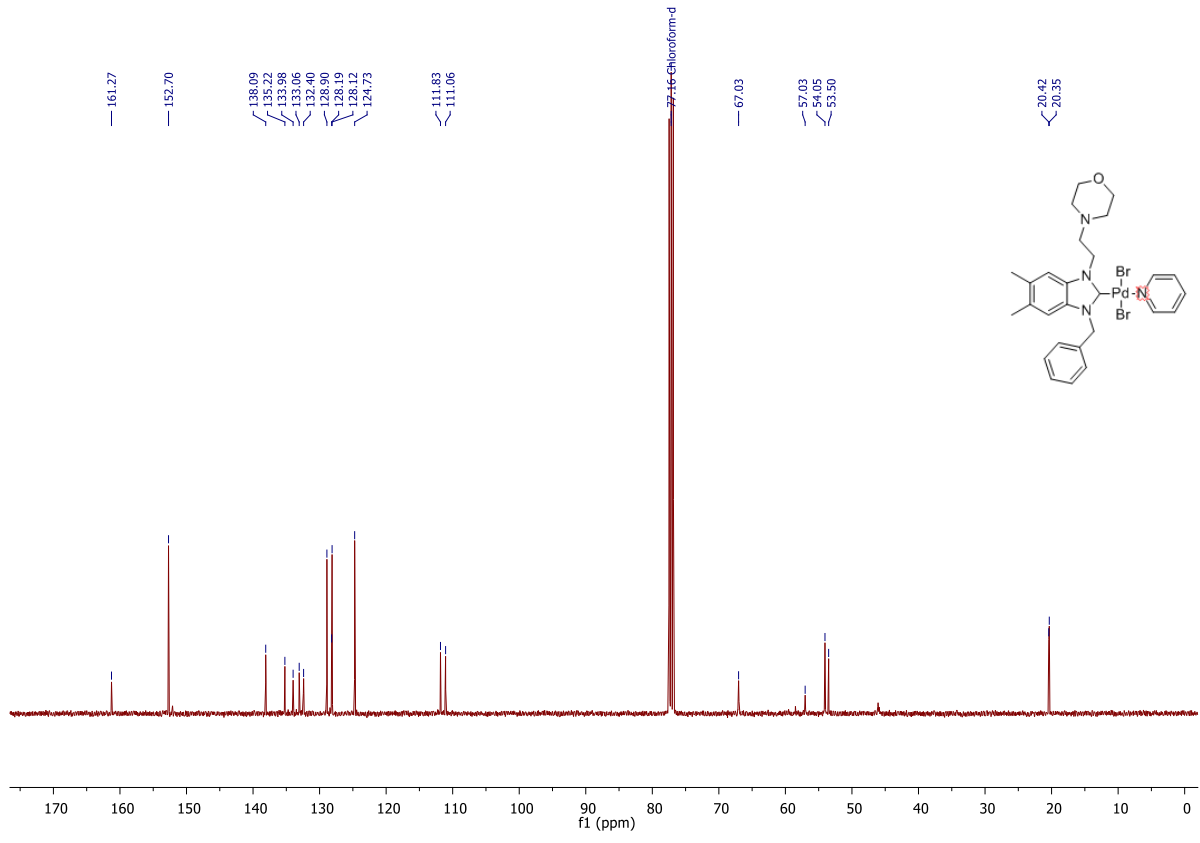
3d



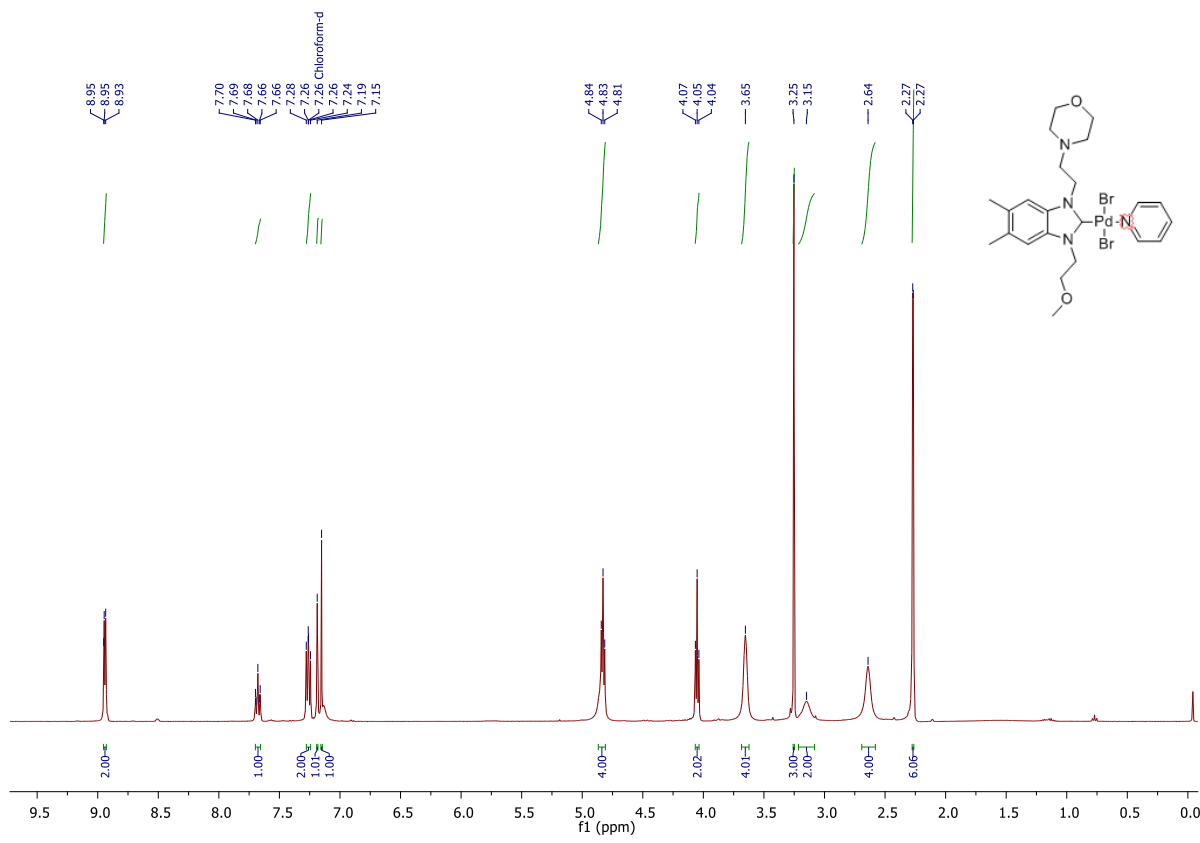
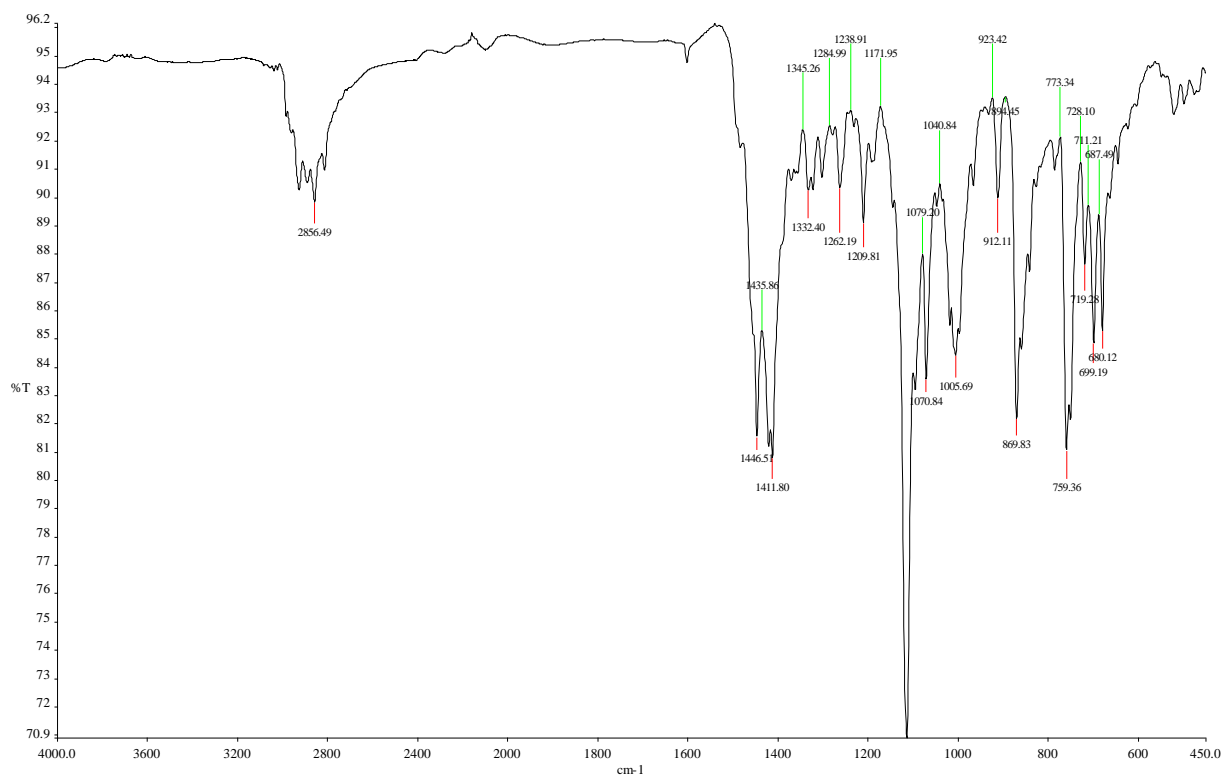
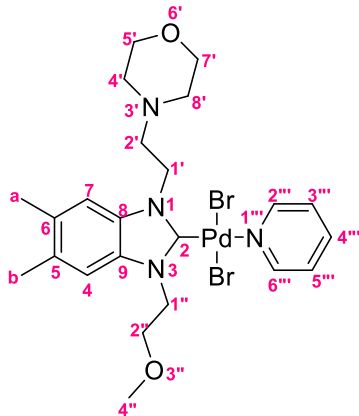


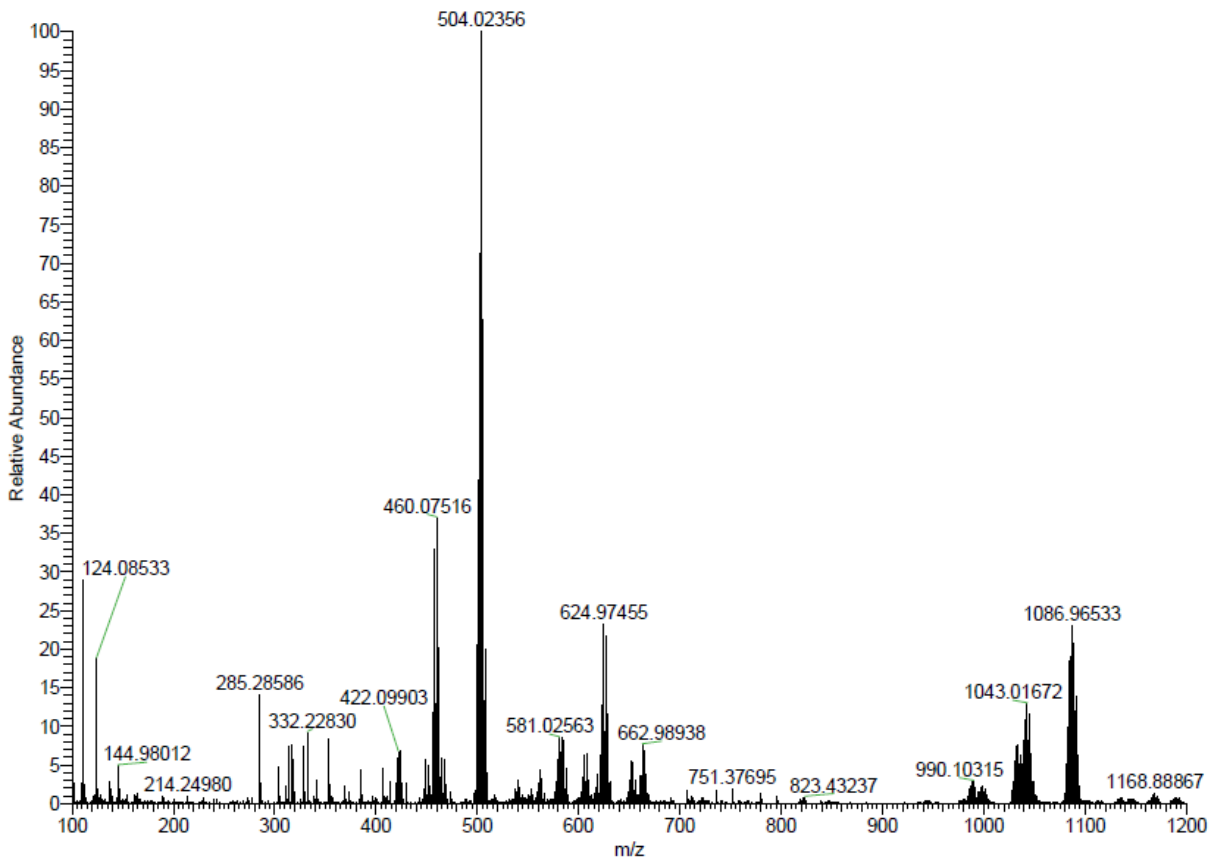
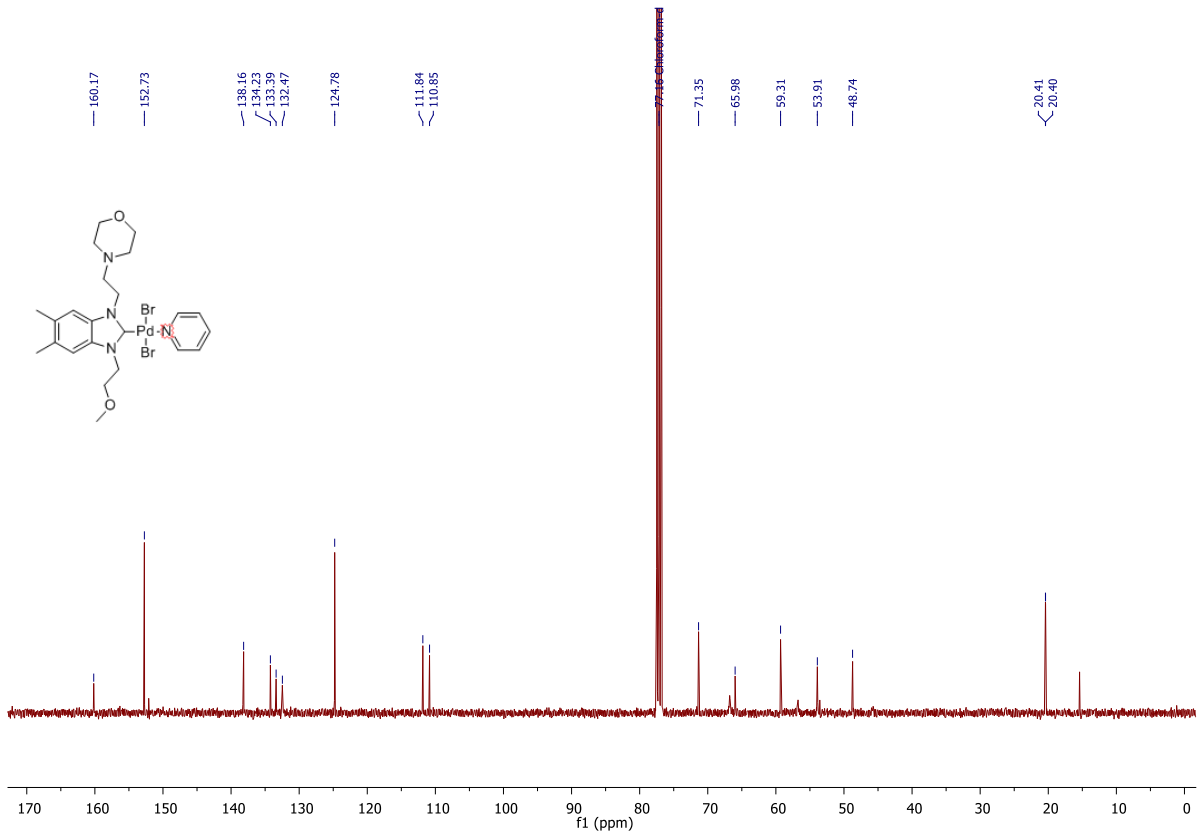
3e





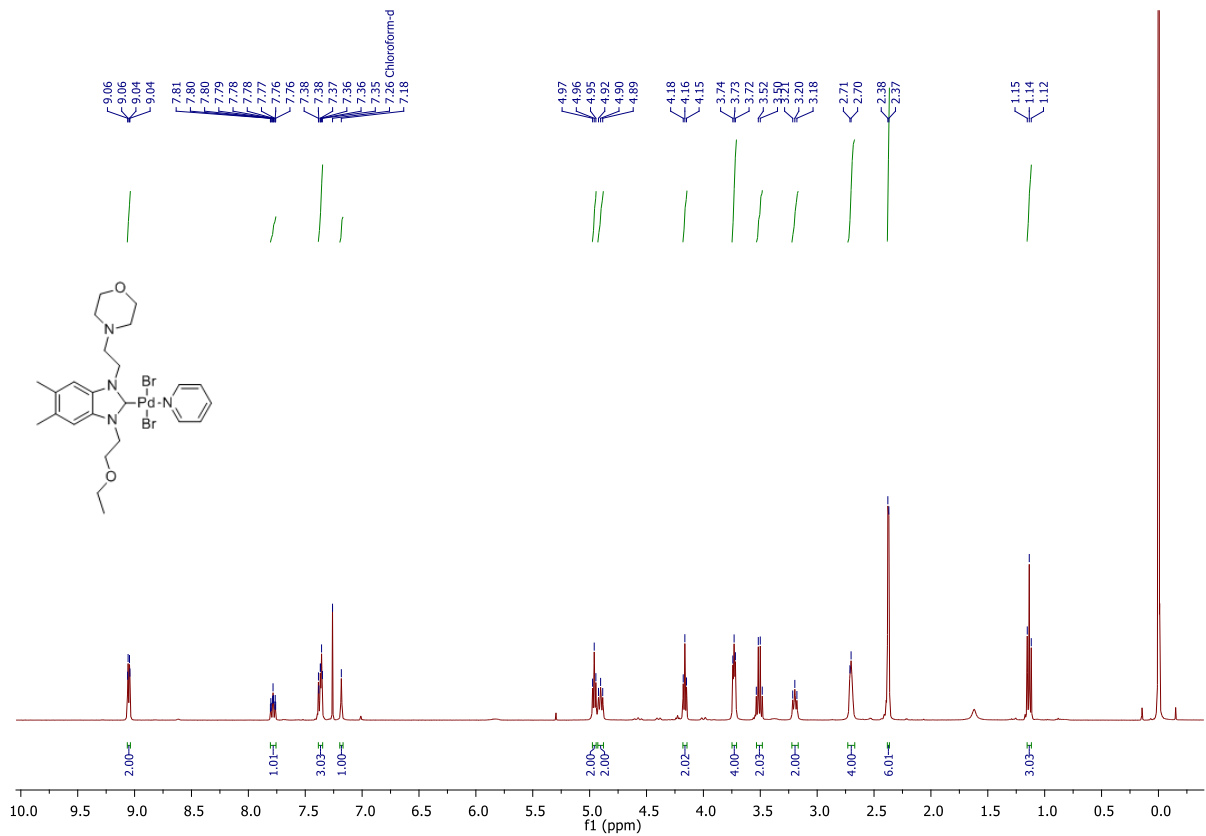
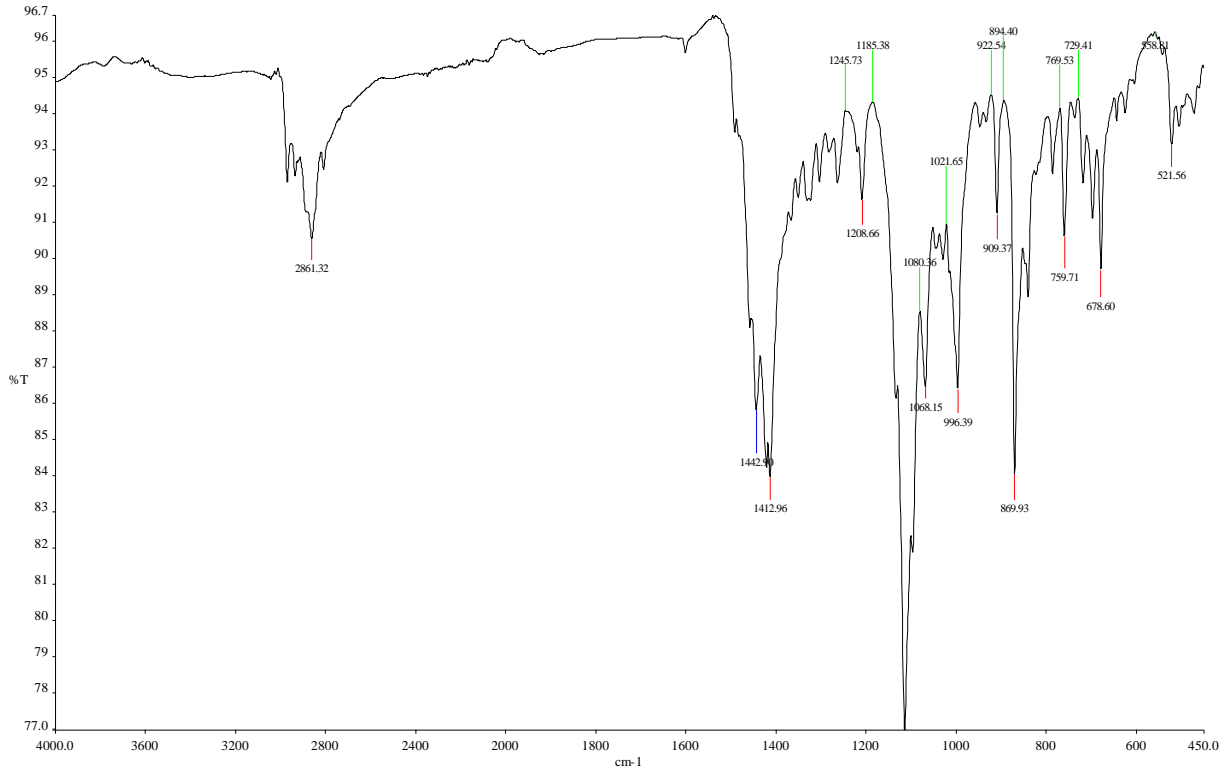
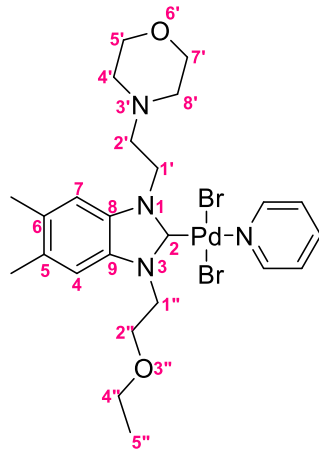
3f

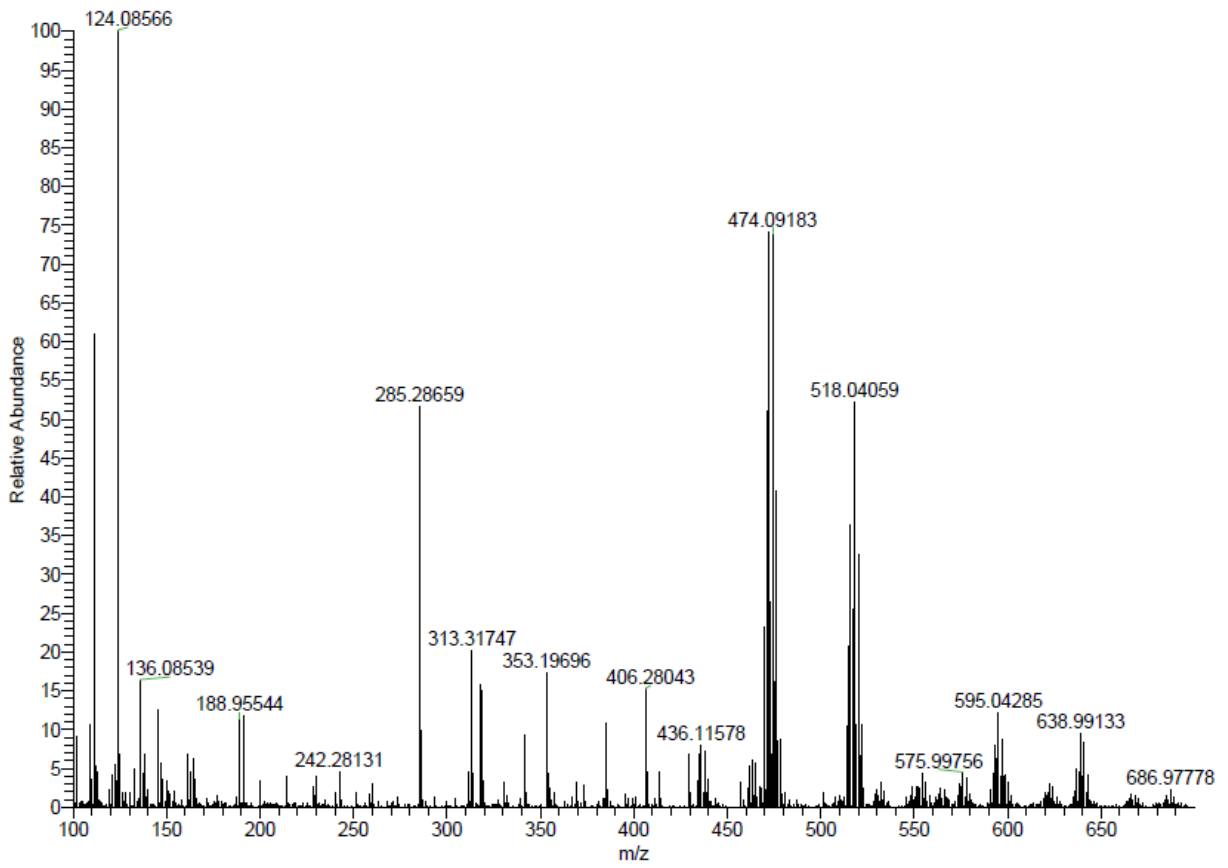
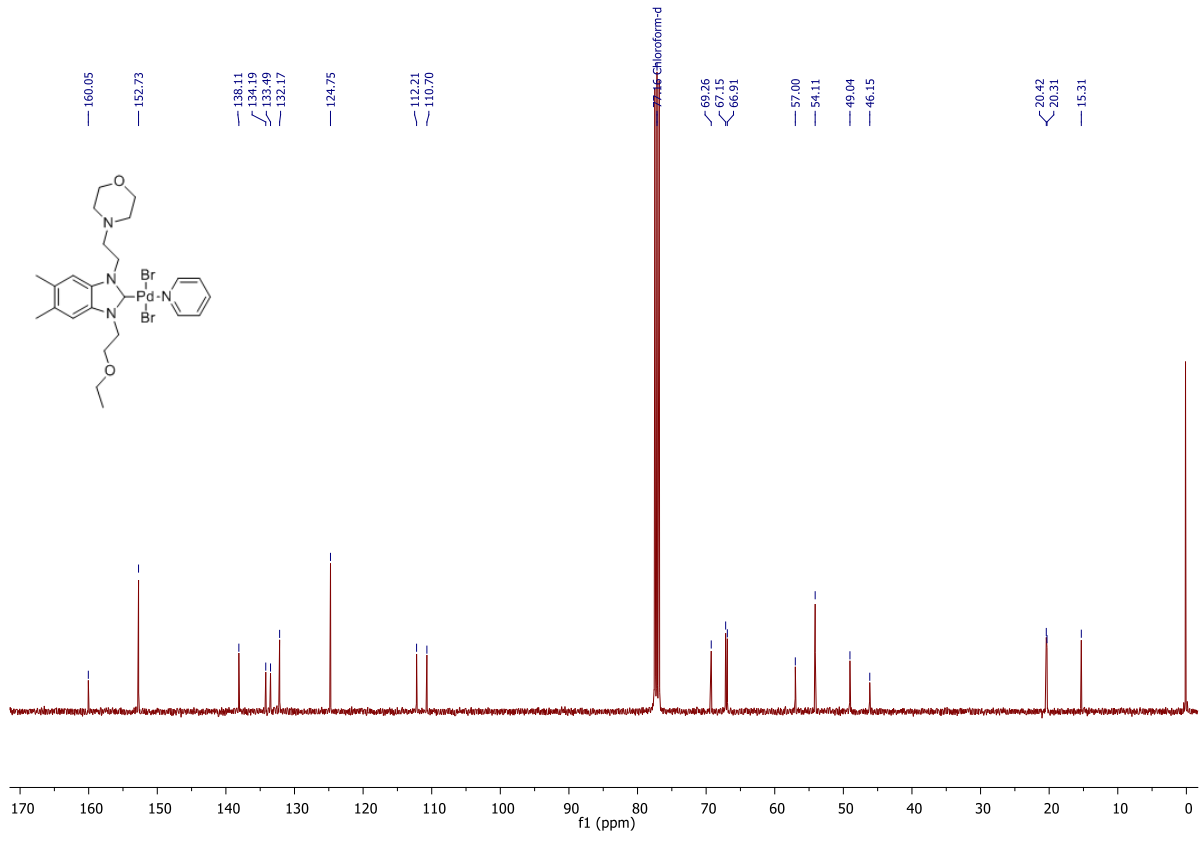




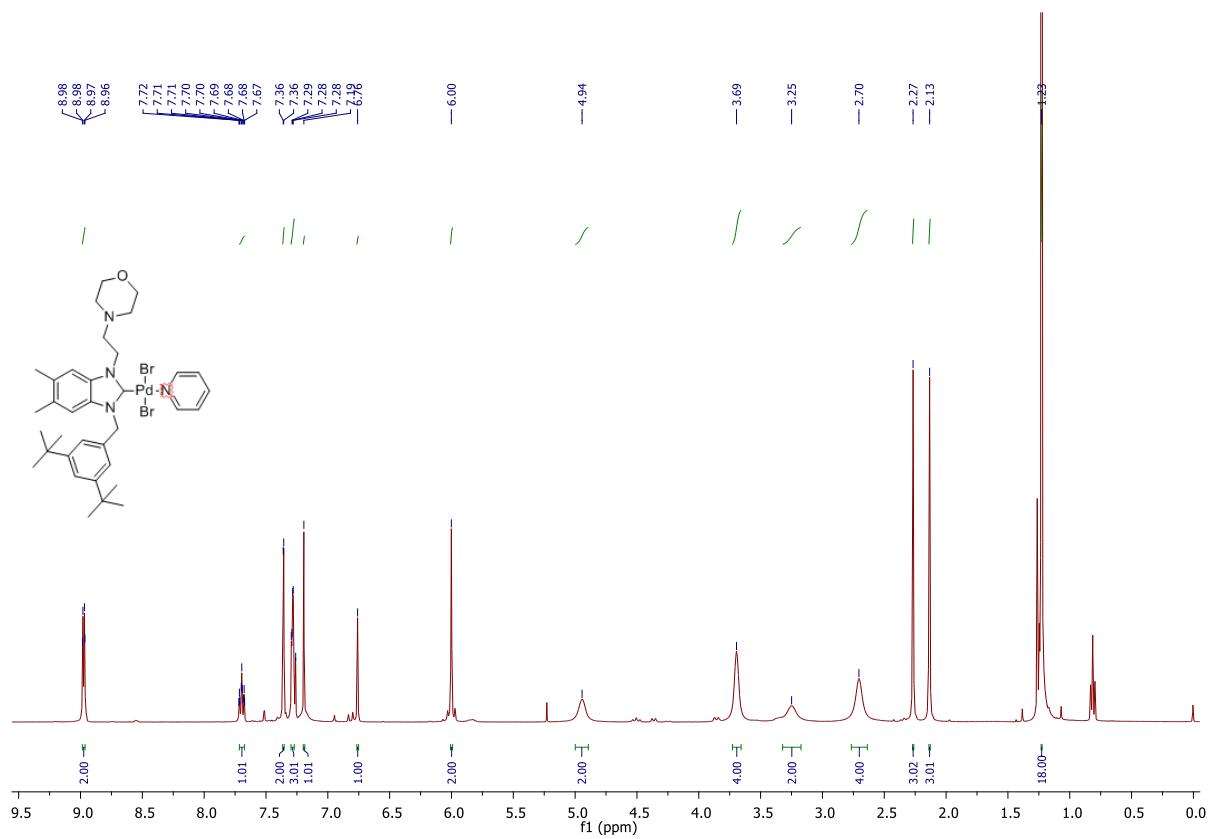
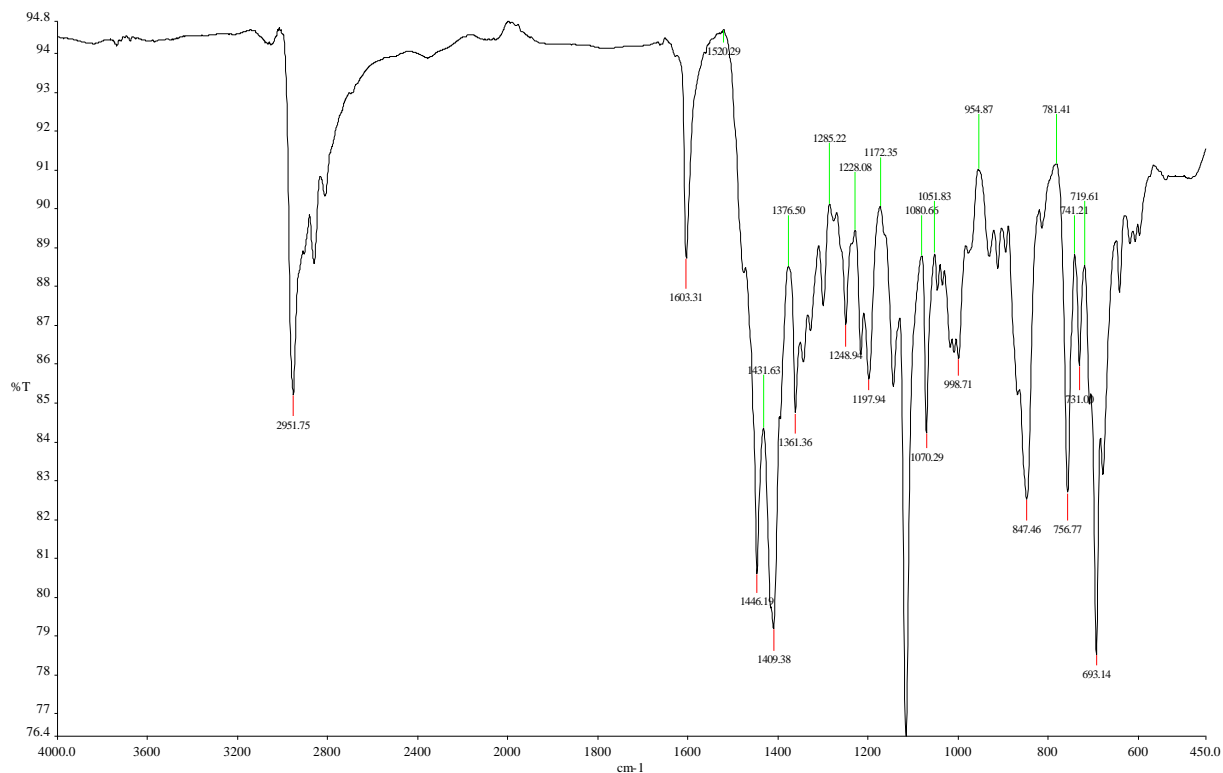
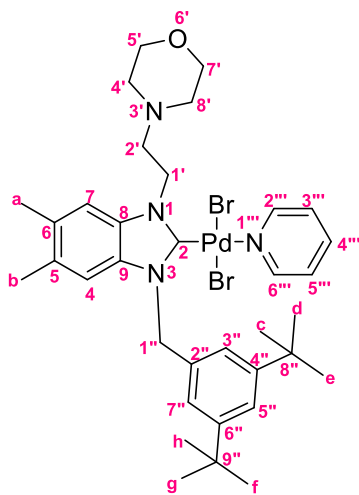
3g

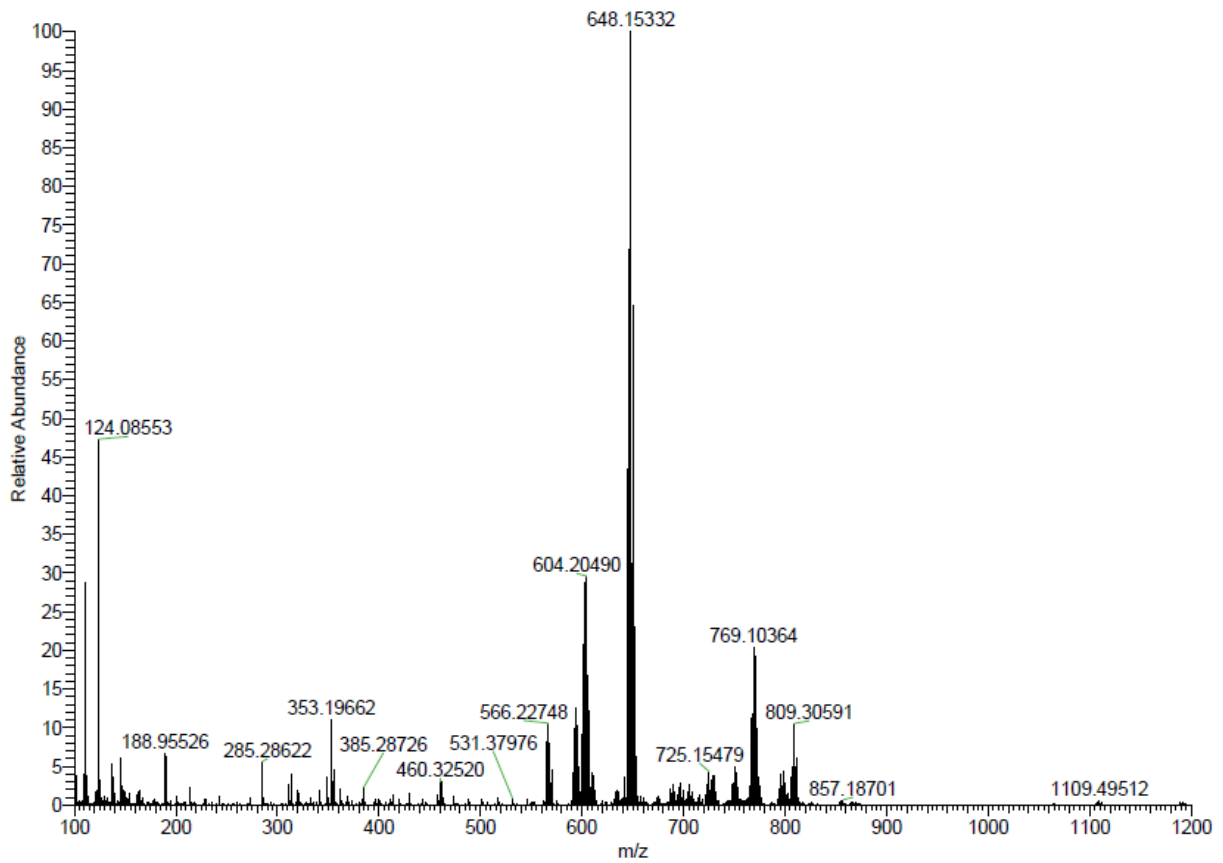
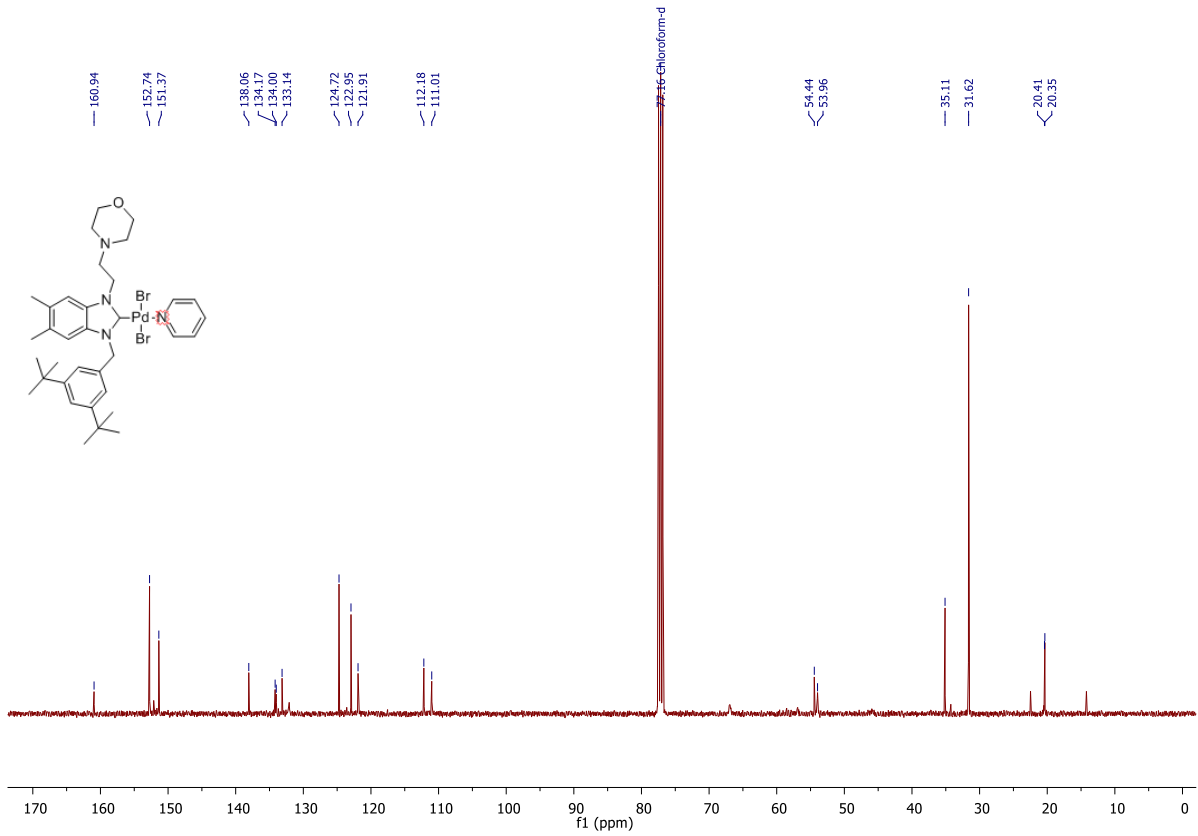




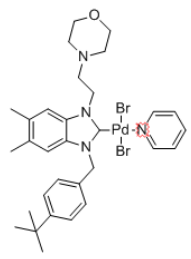
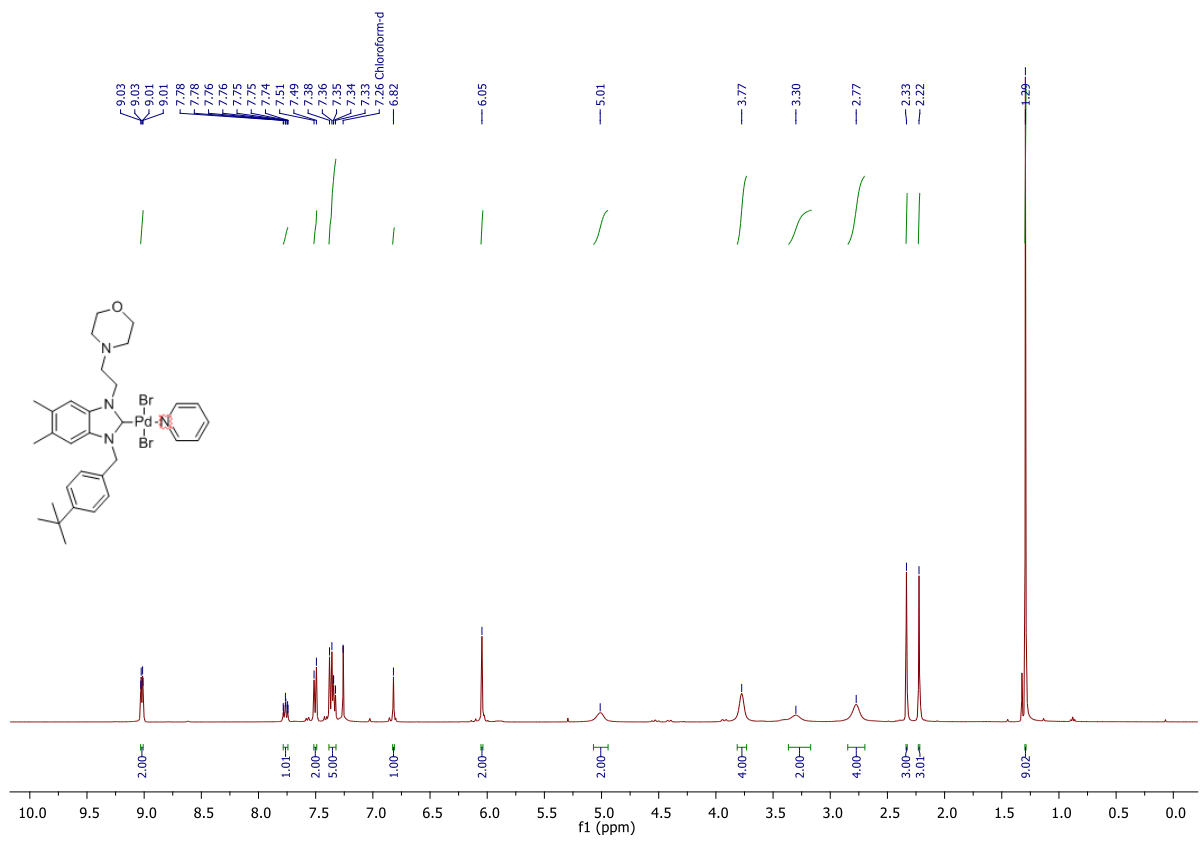
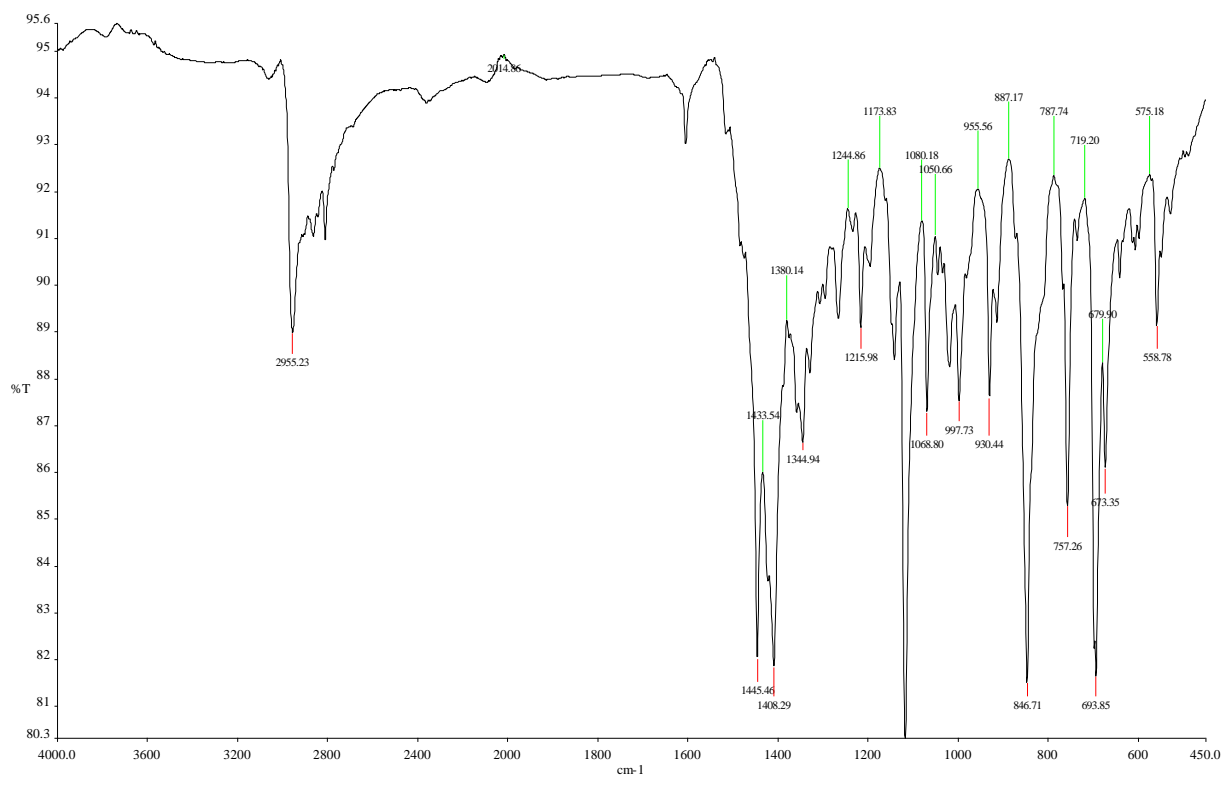
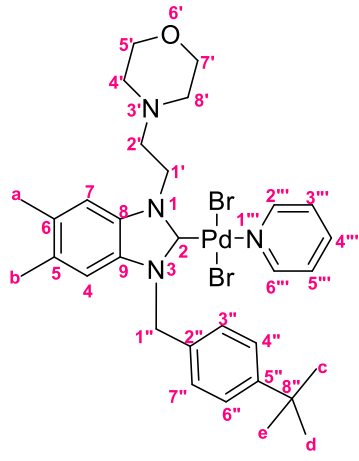


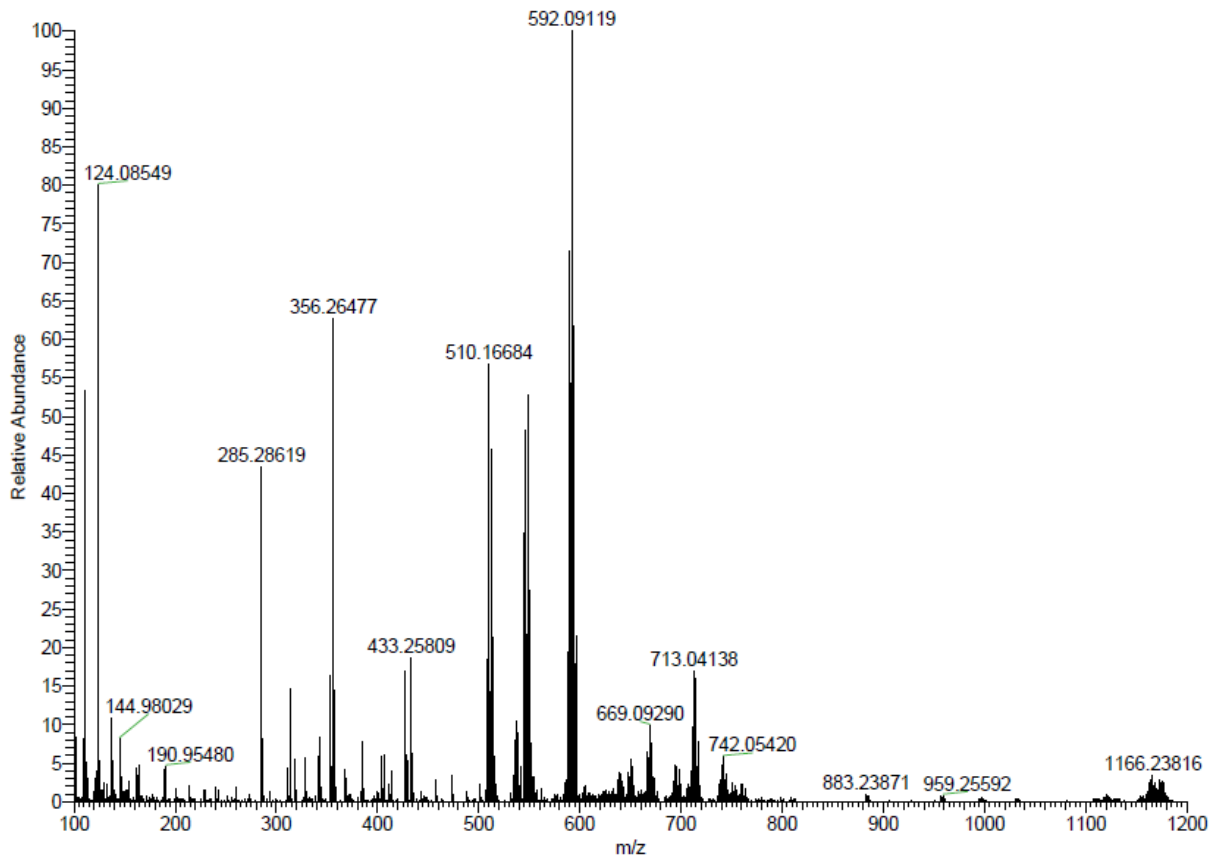
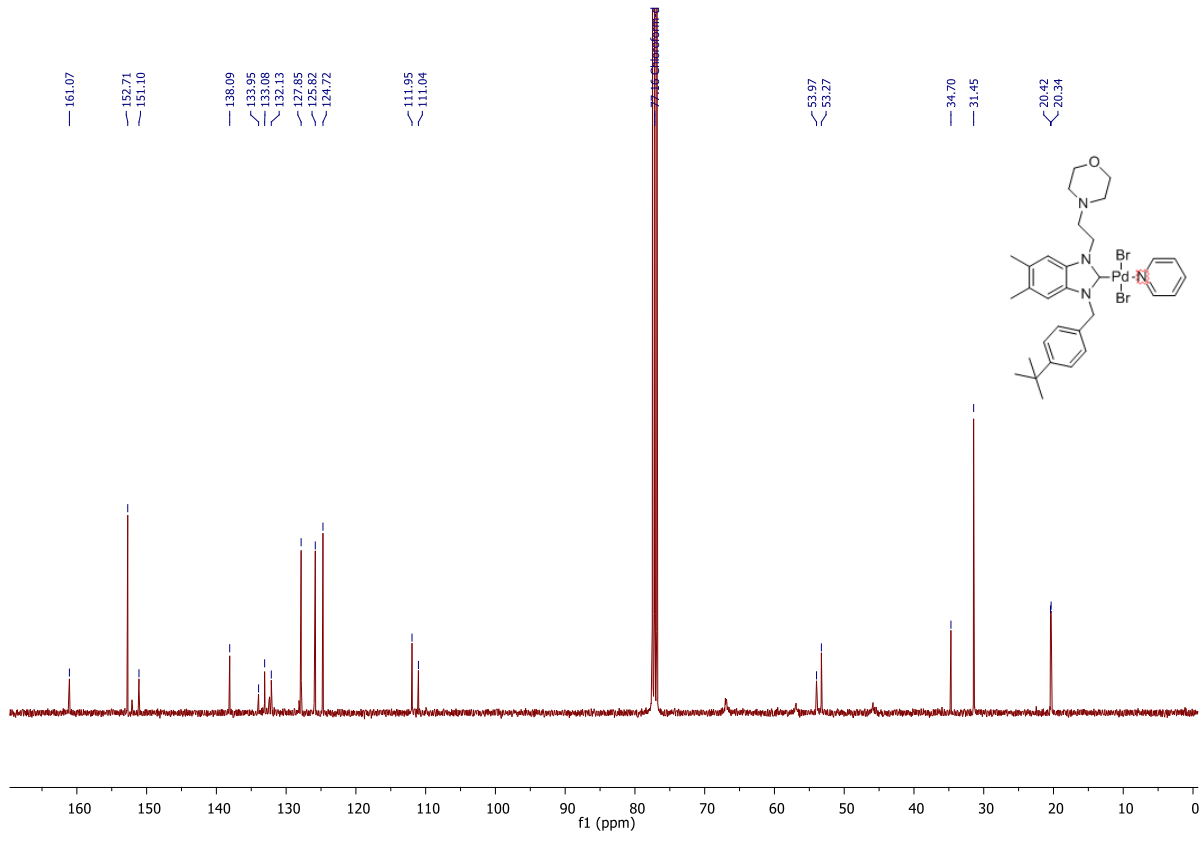
3h

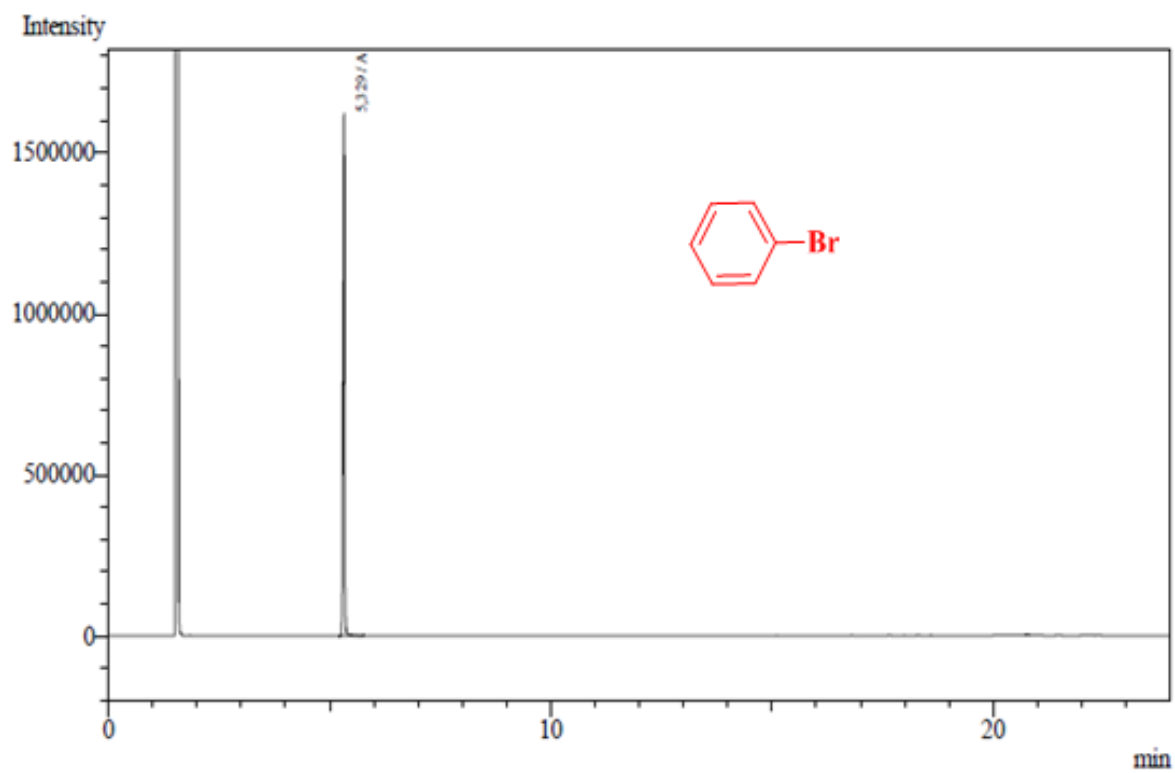
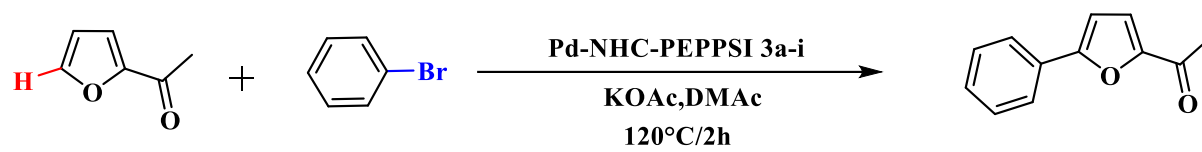




3i

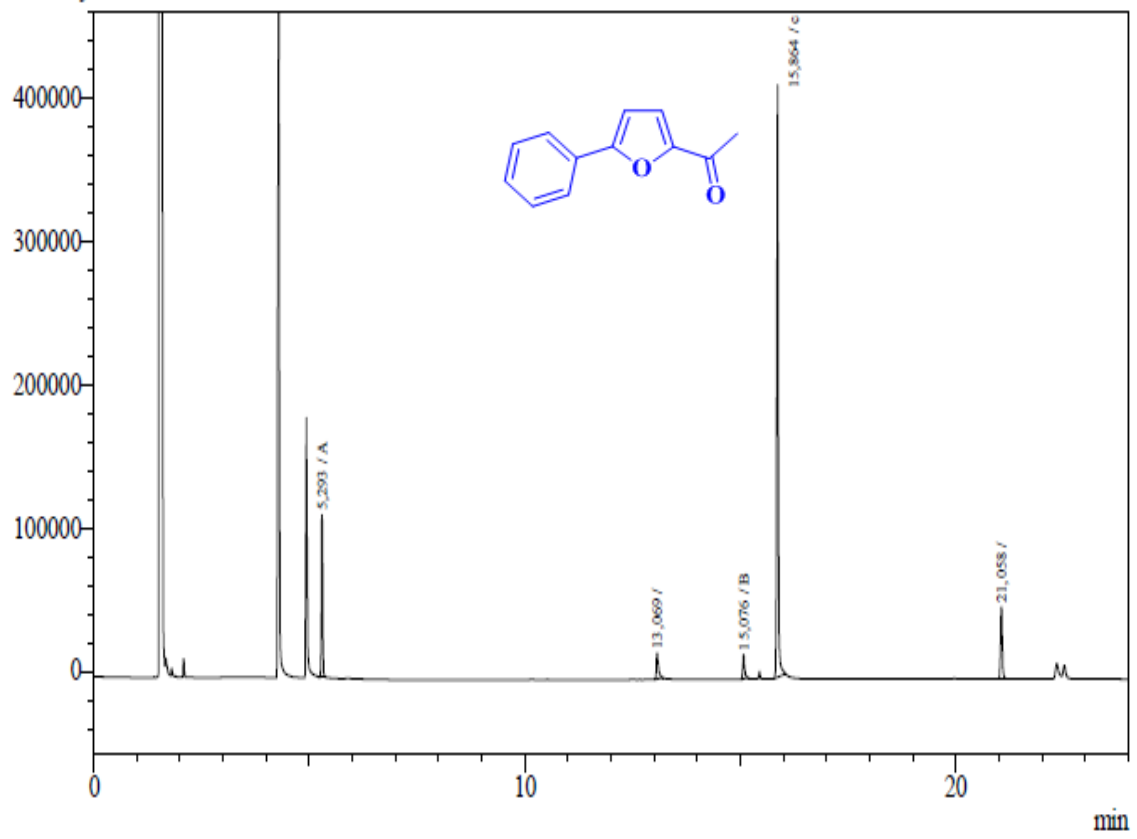






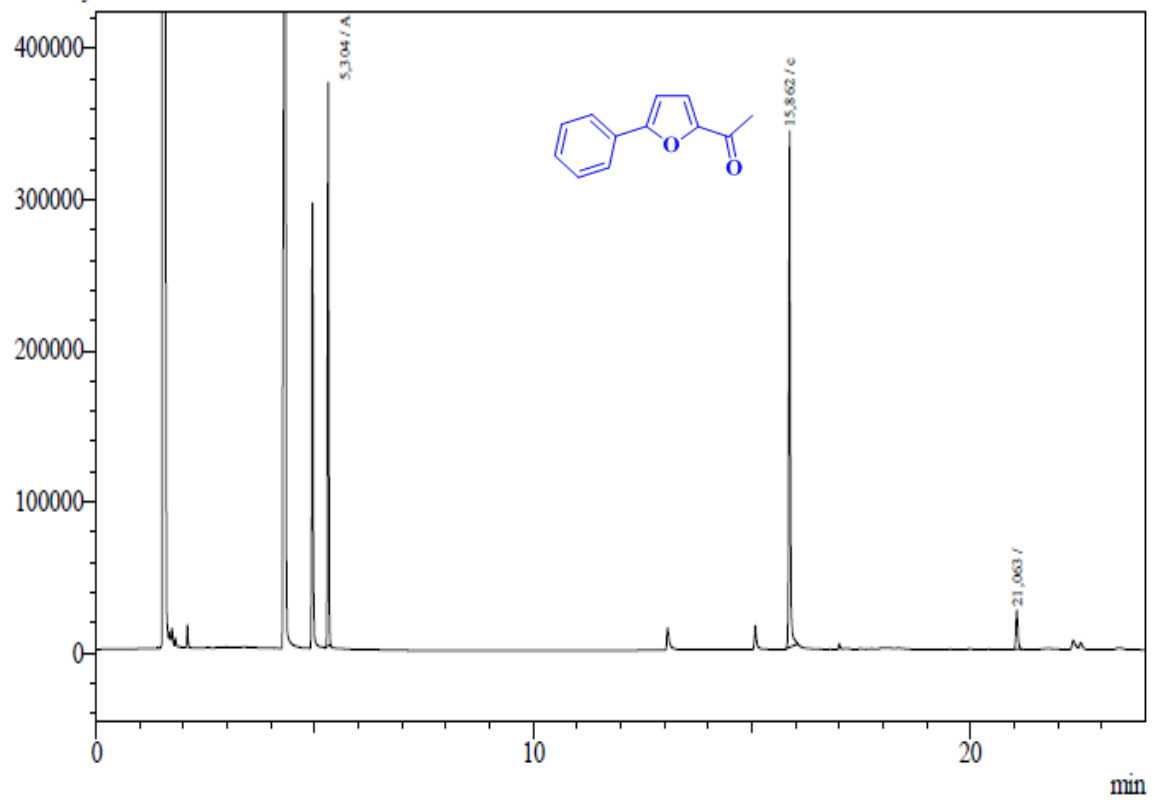
3a

Intensity



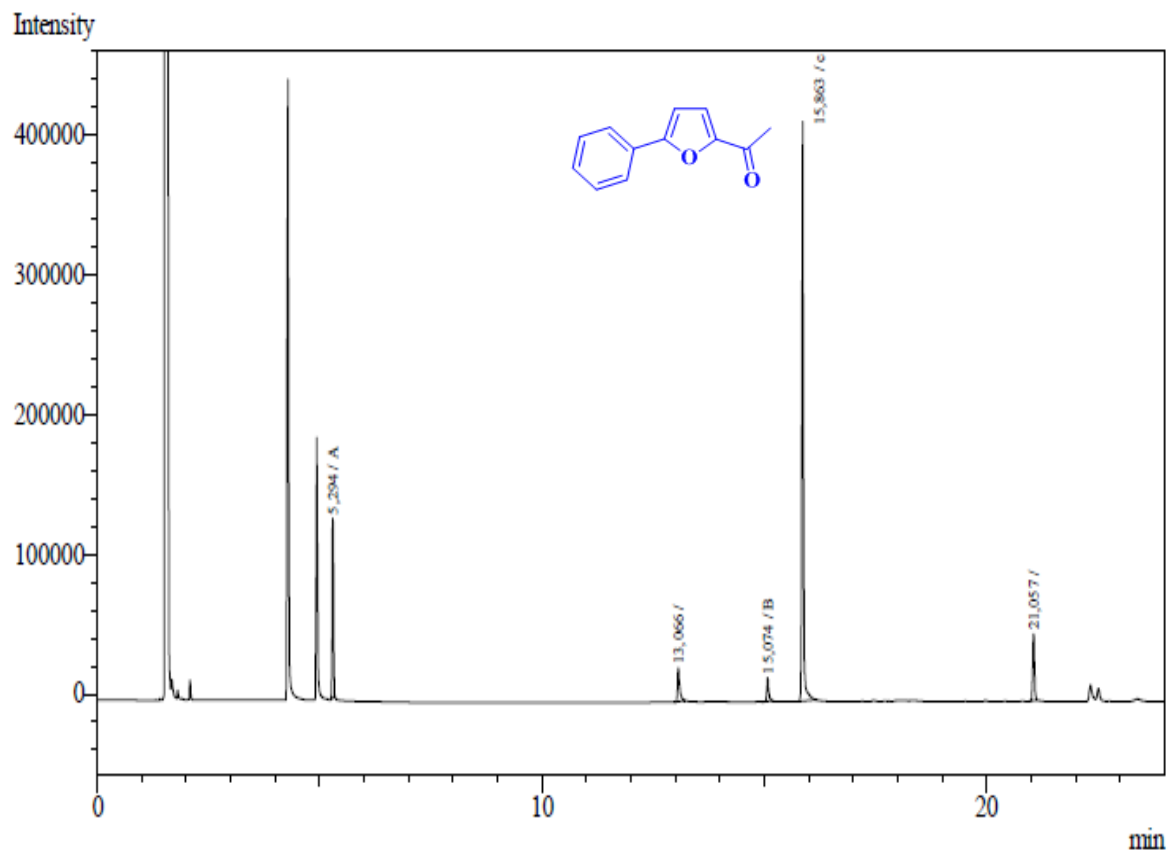
3b

Intensity

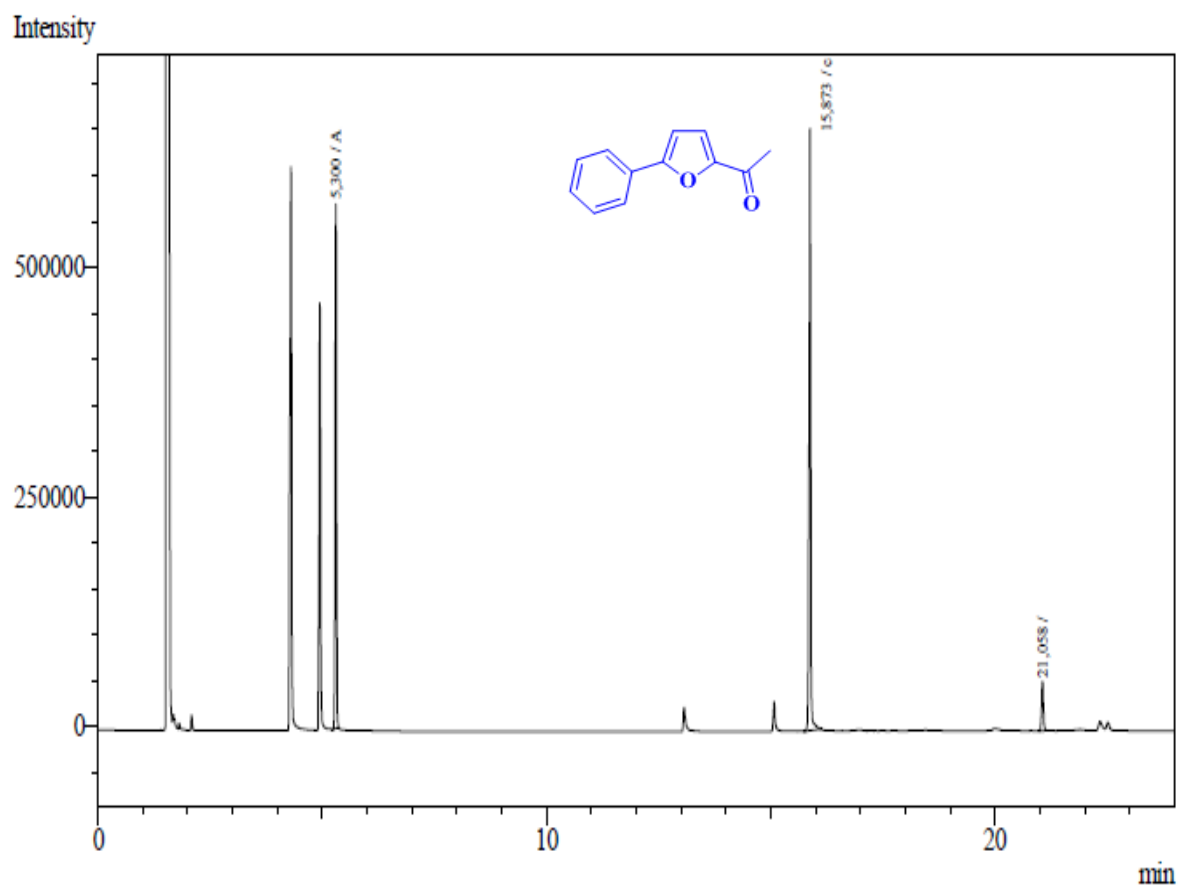


3c

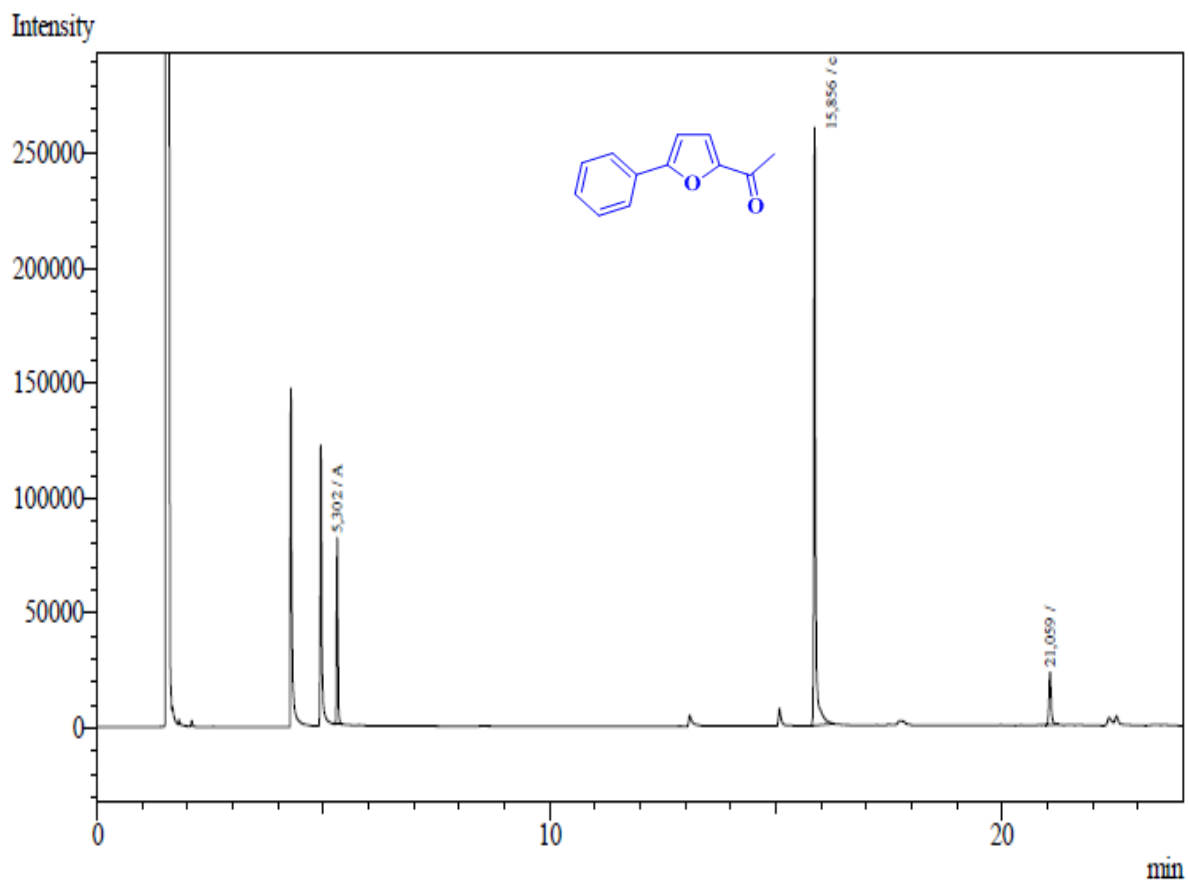




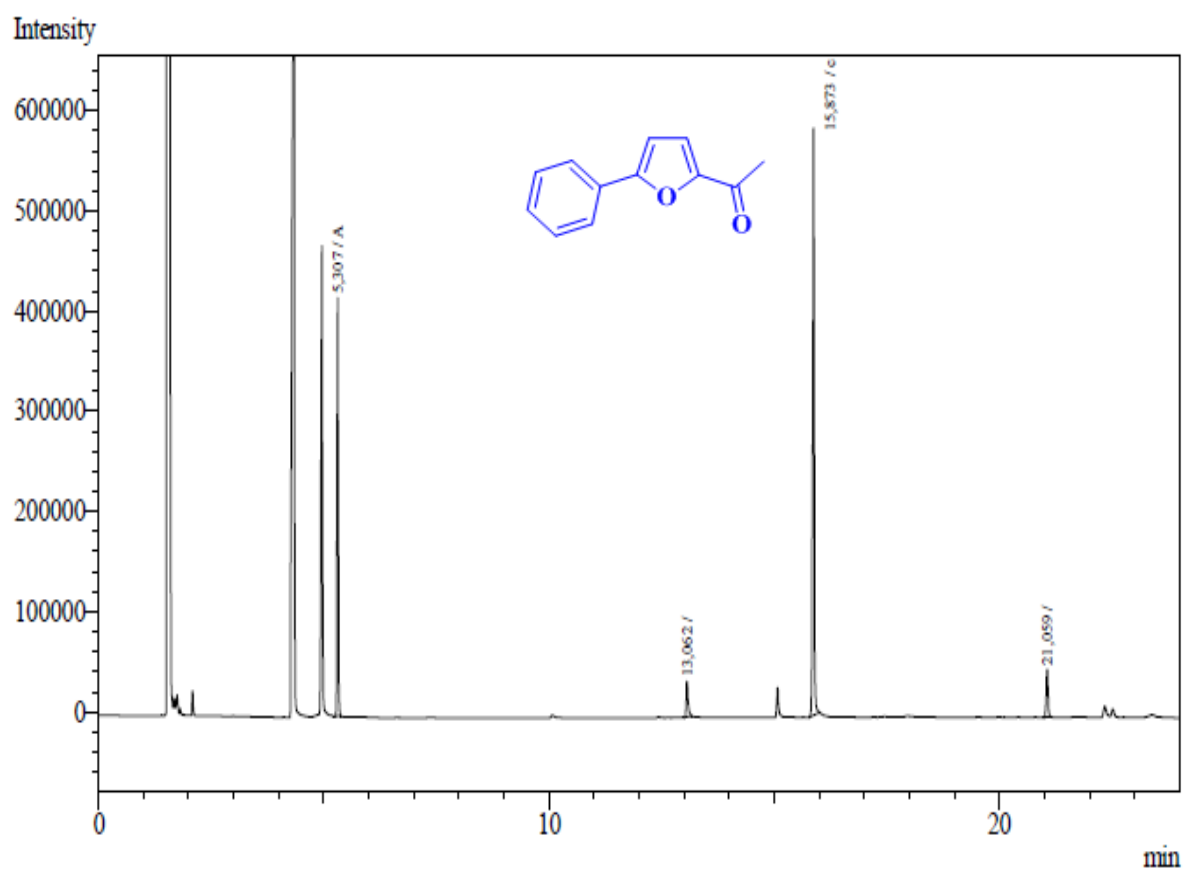
3d



3e

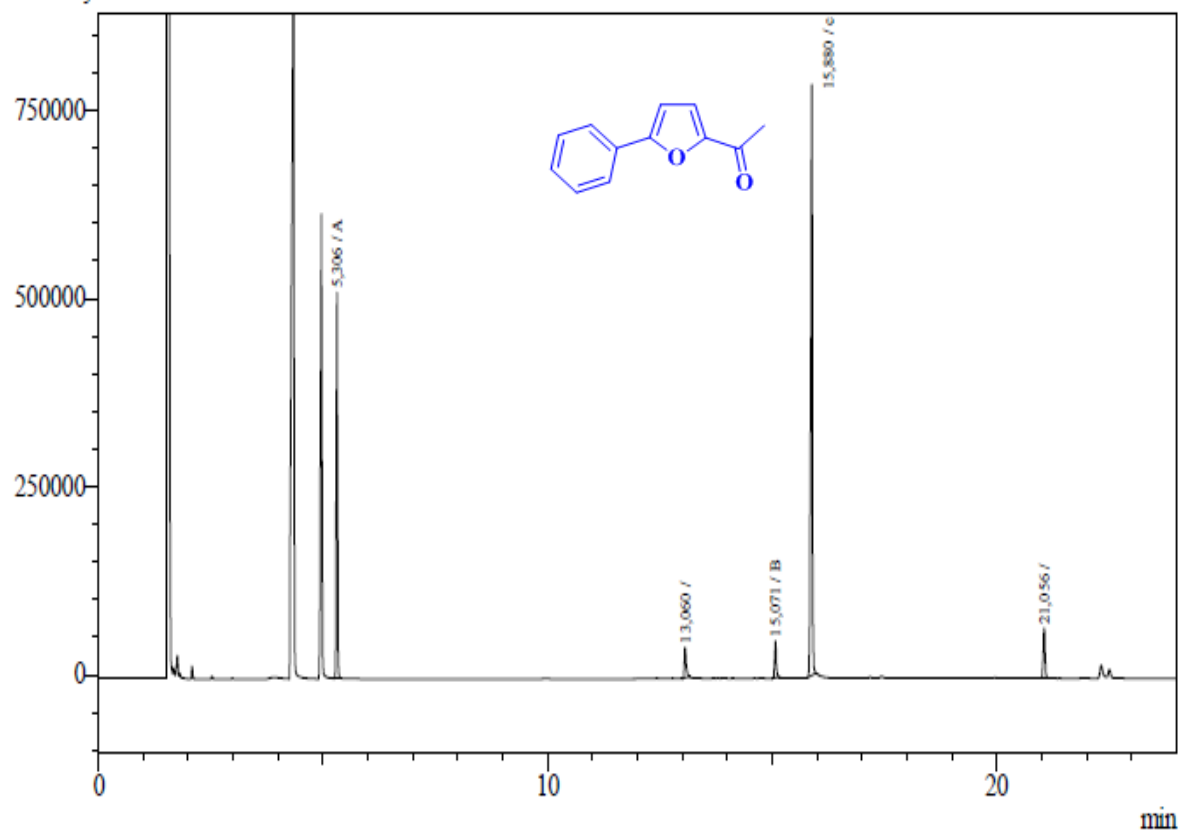


3f



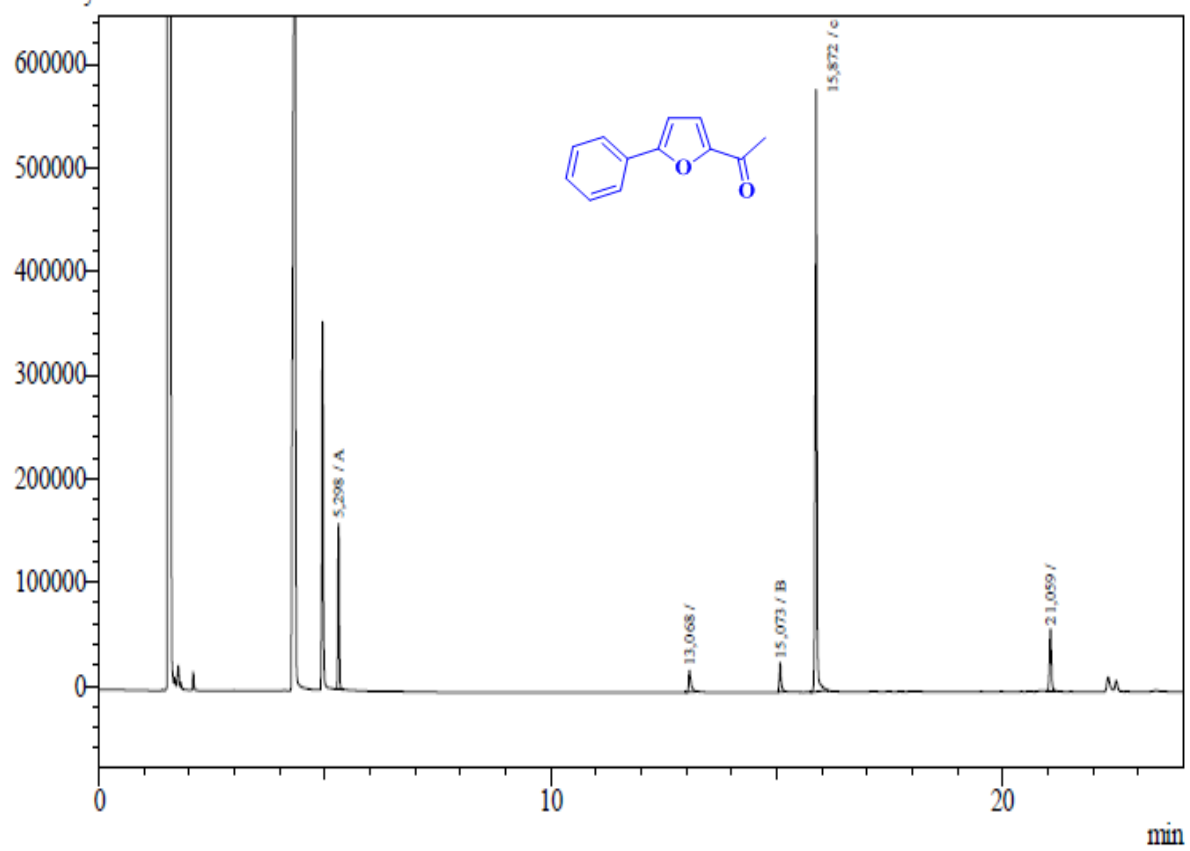
3g

Intensity

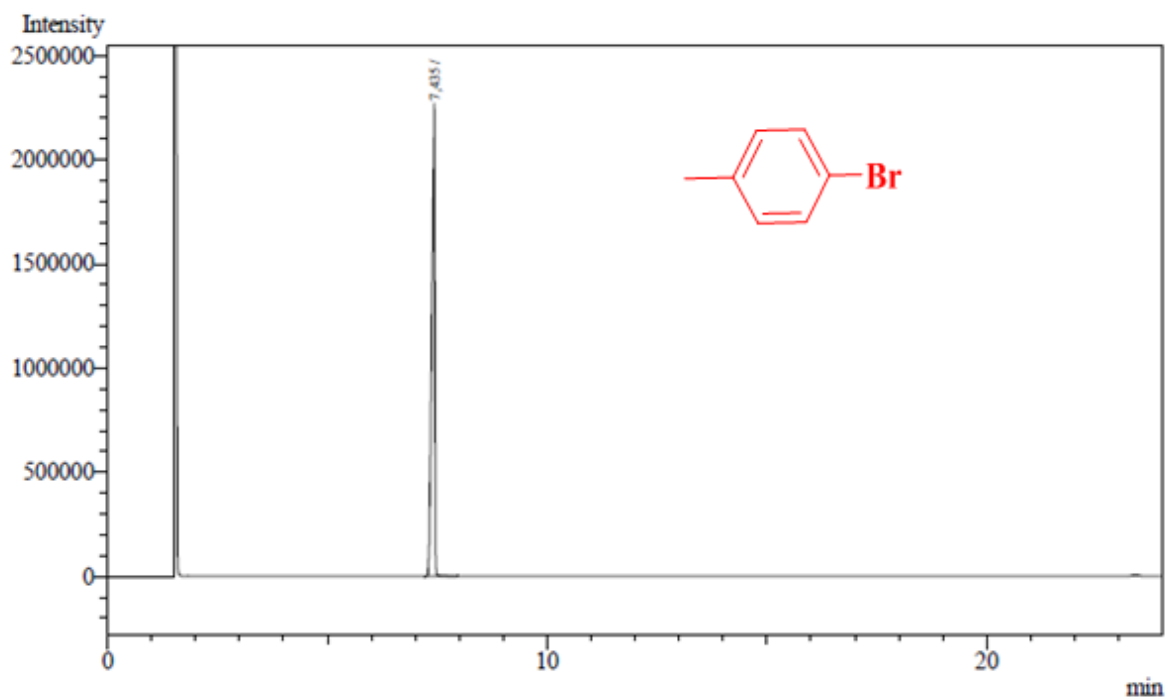
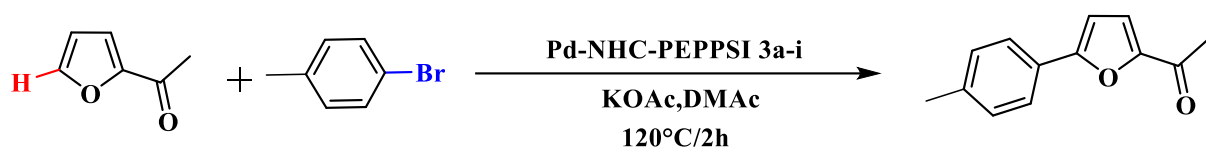
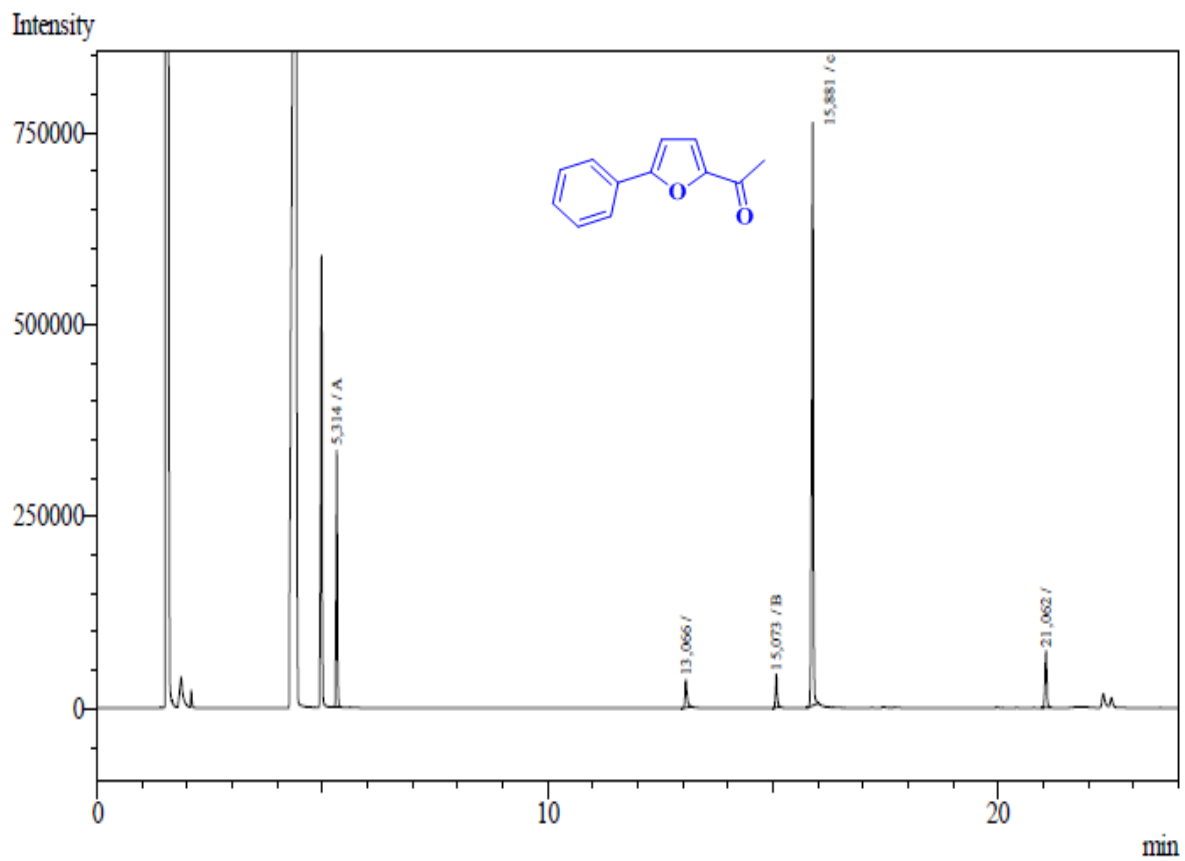


3h

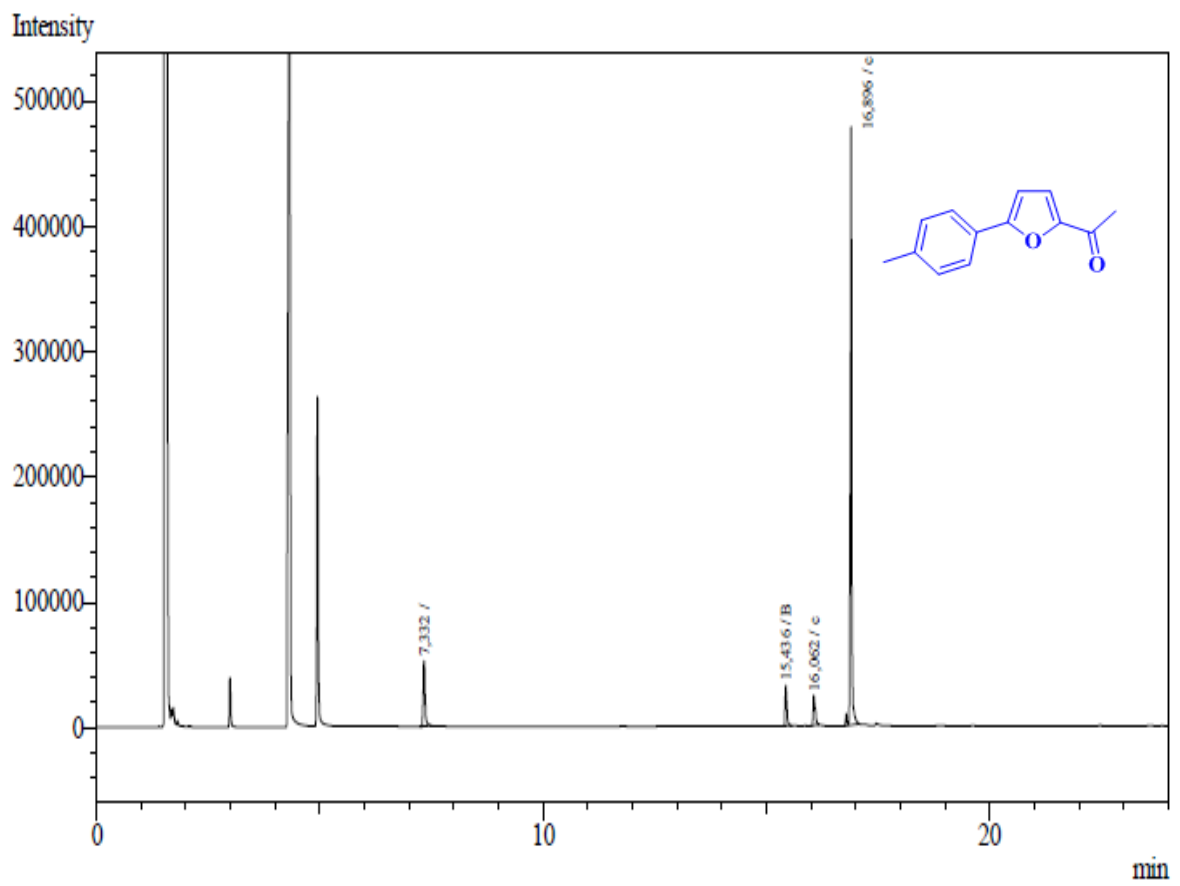
Intensity



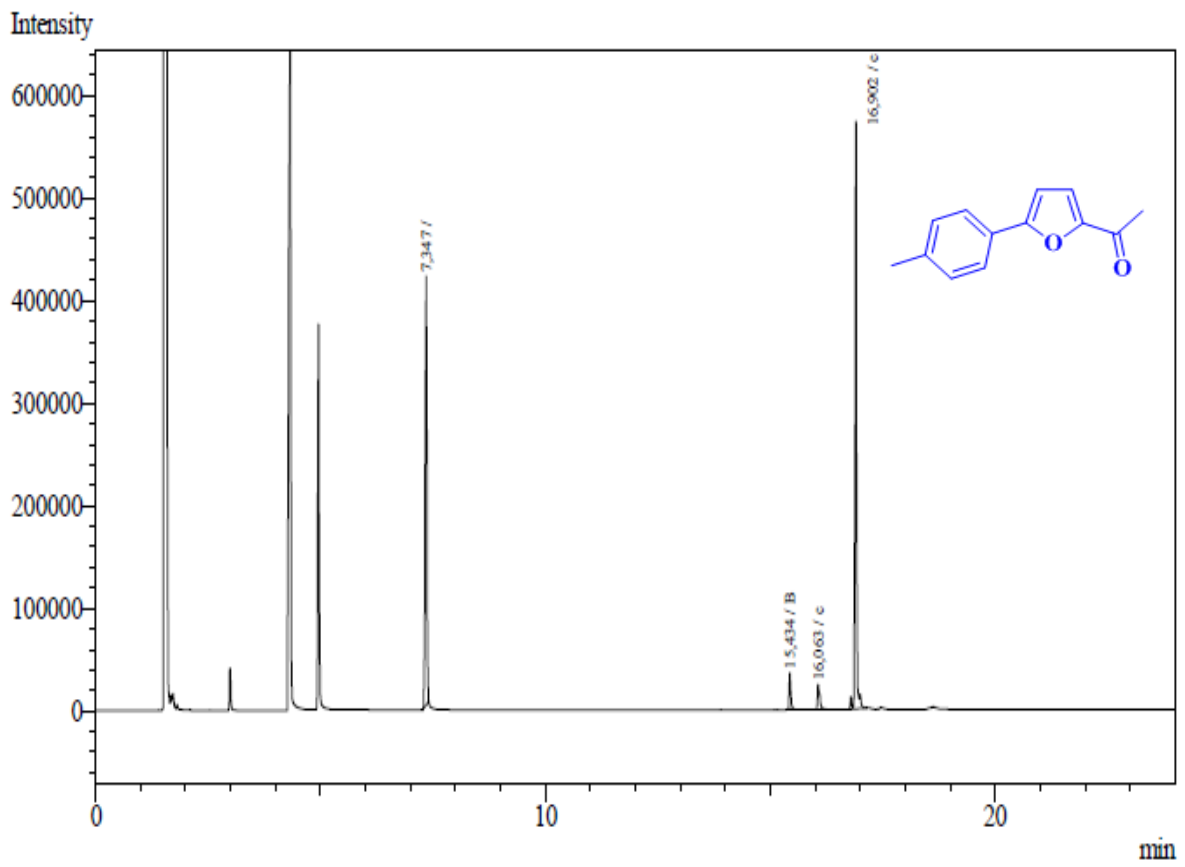
3i



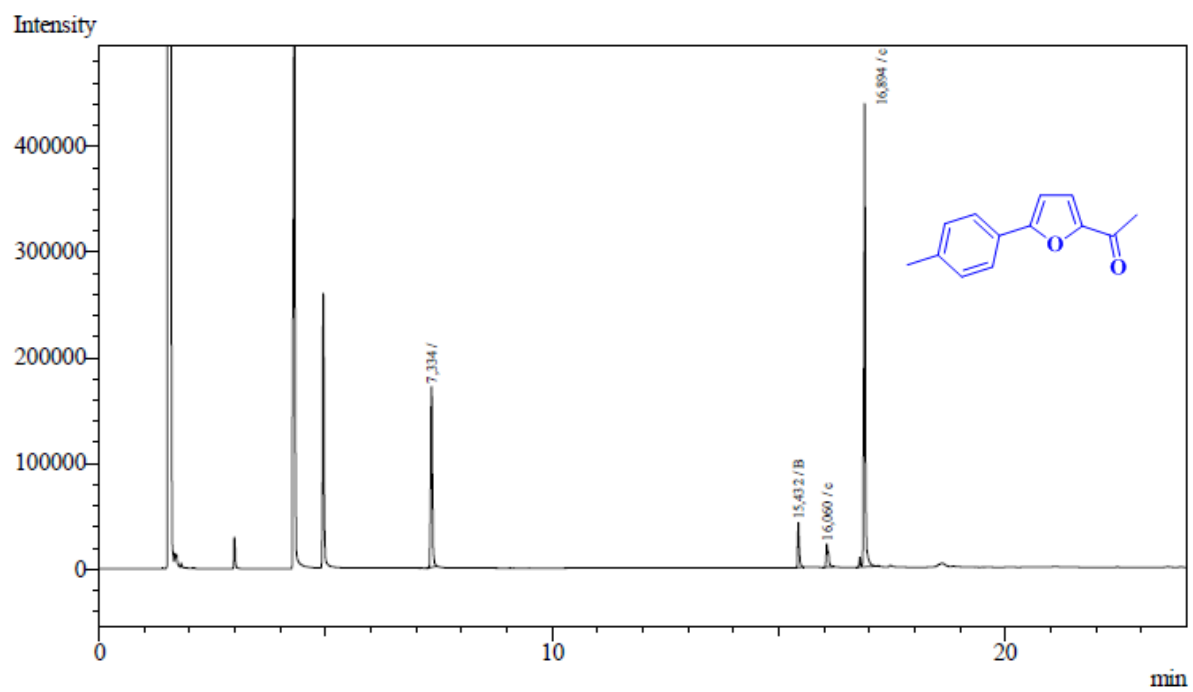
3a



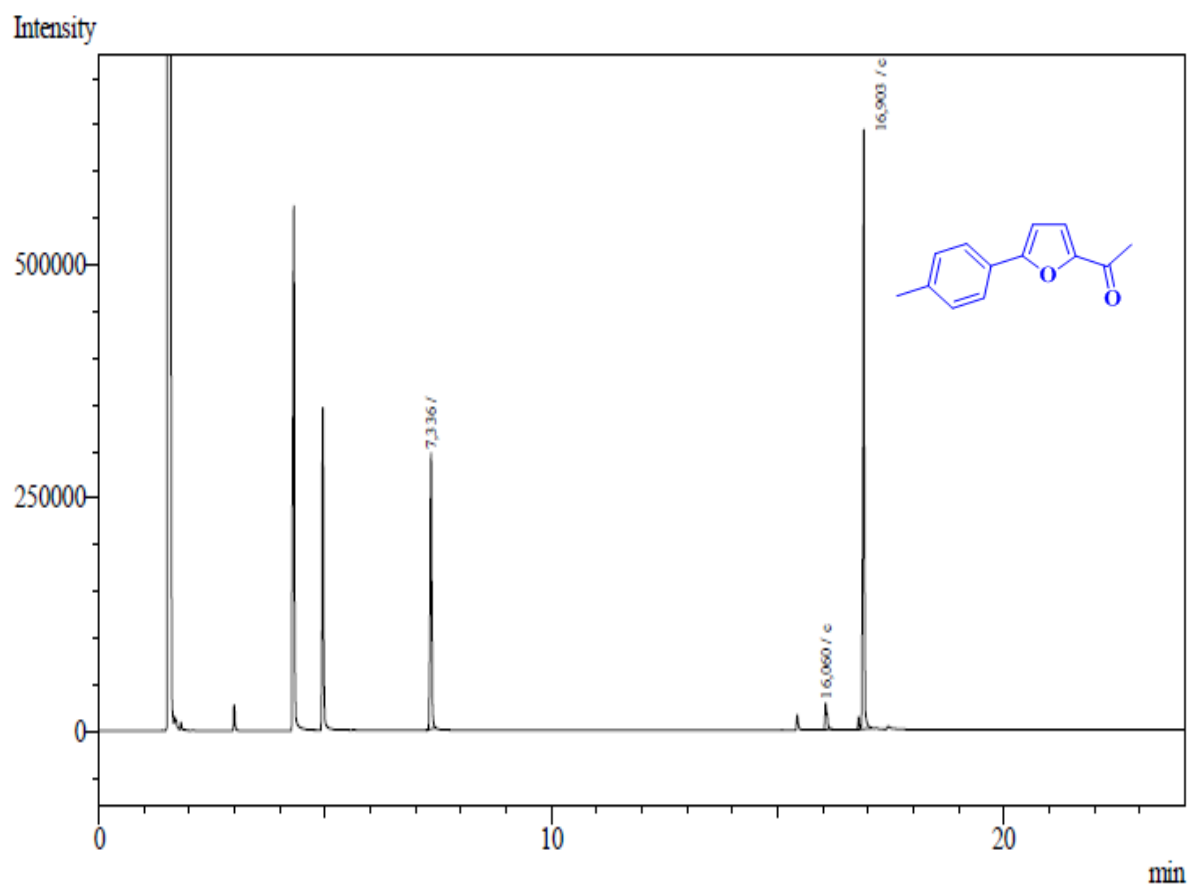
3b



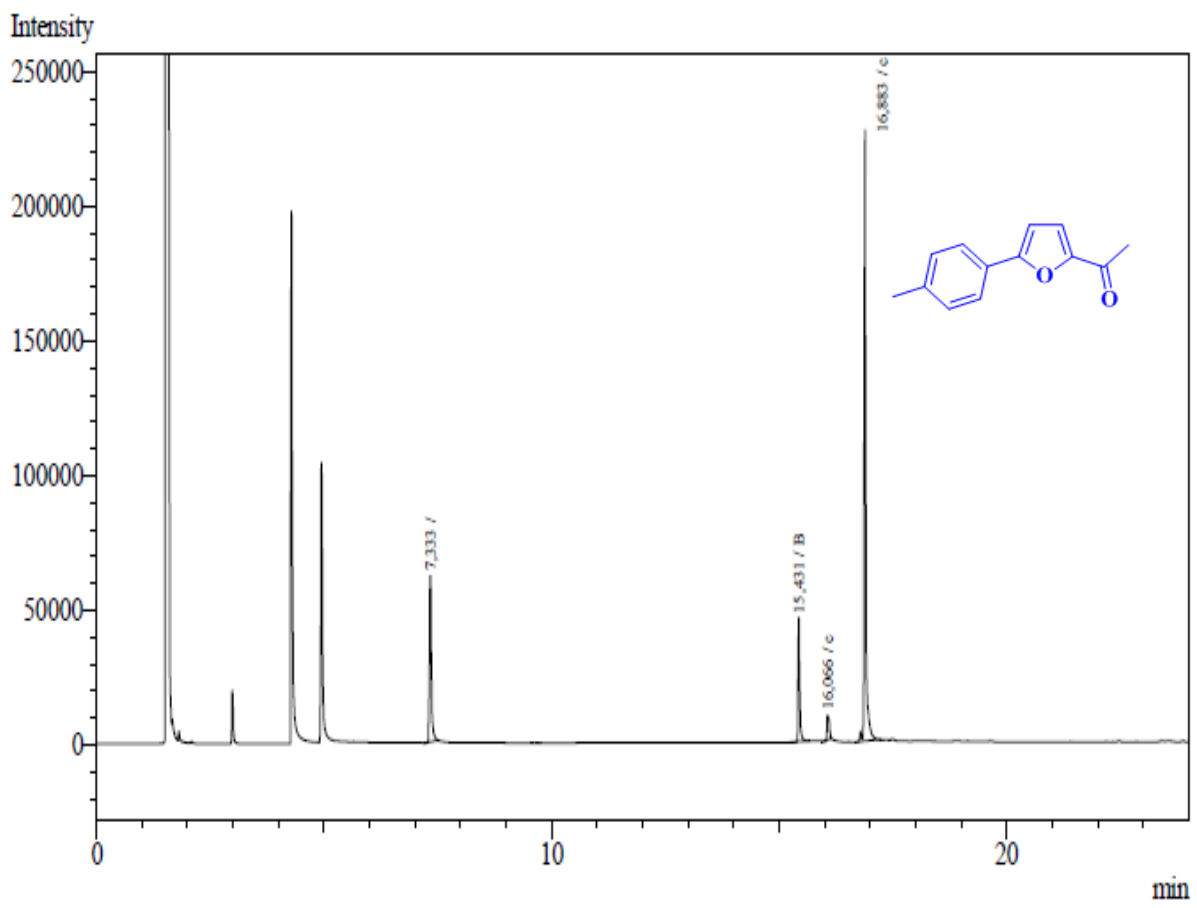
3c



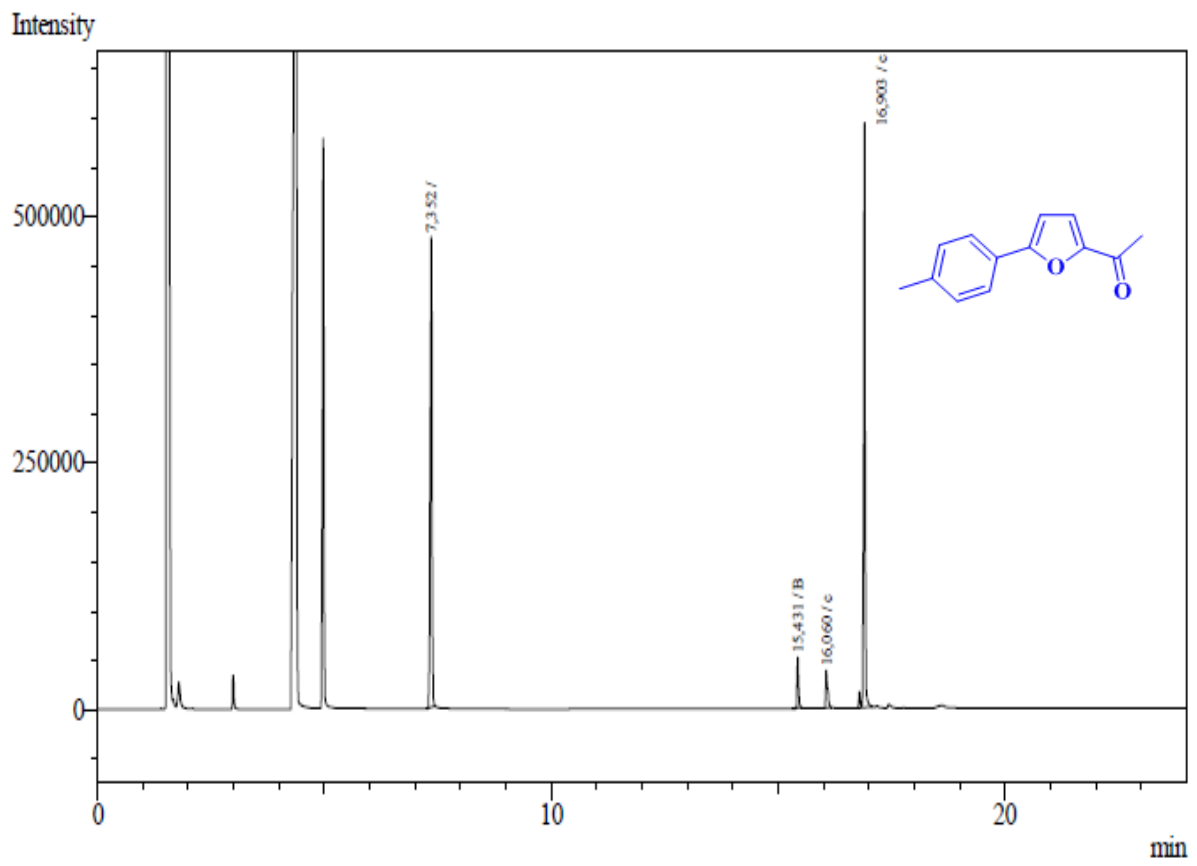
3d



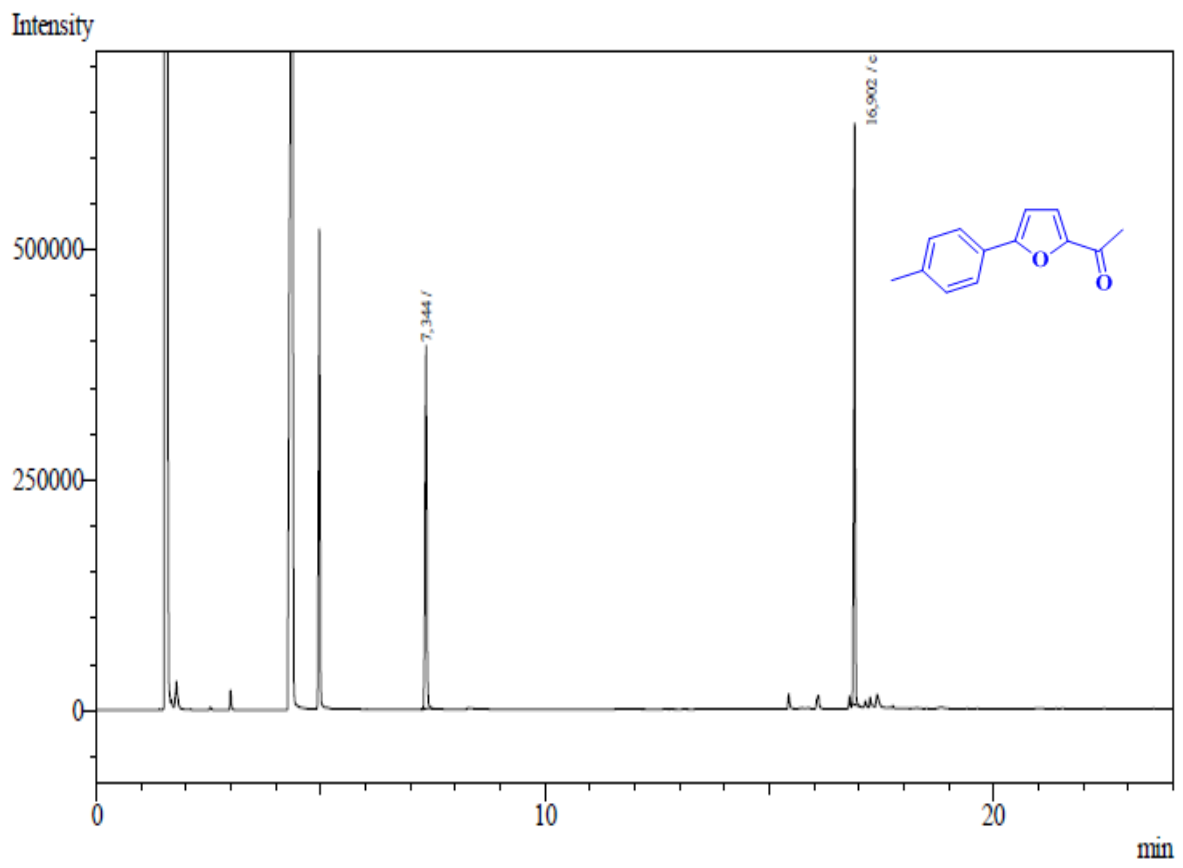
3e



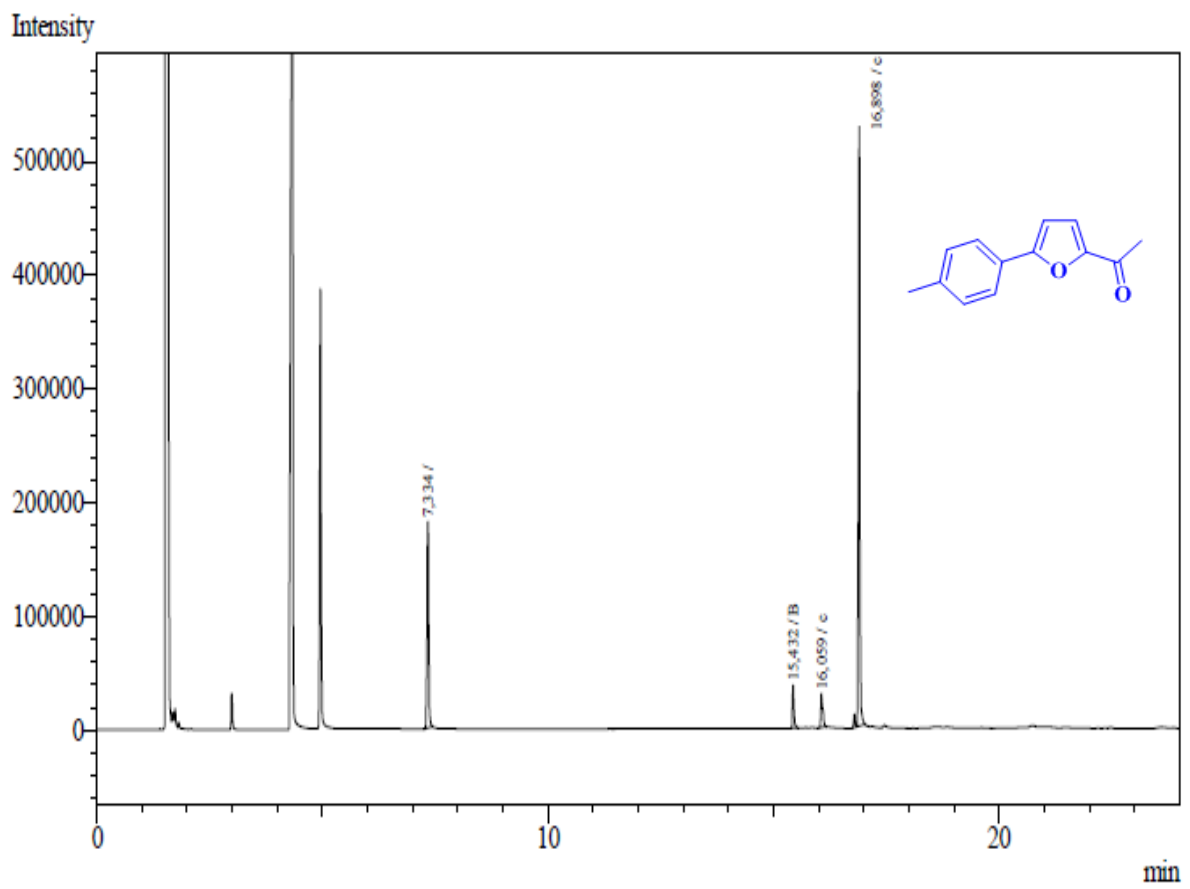
3f



3g

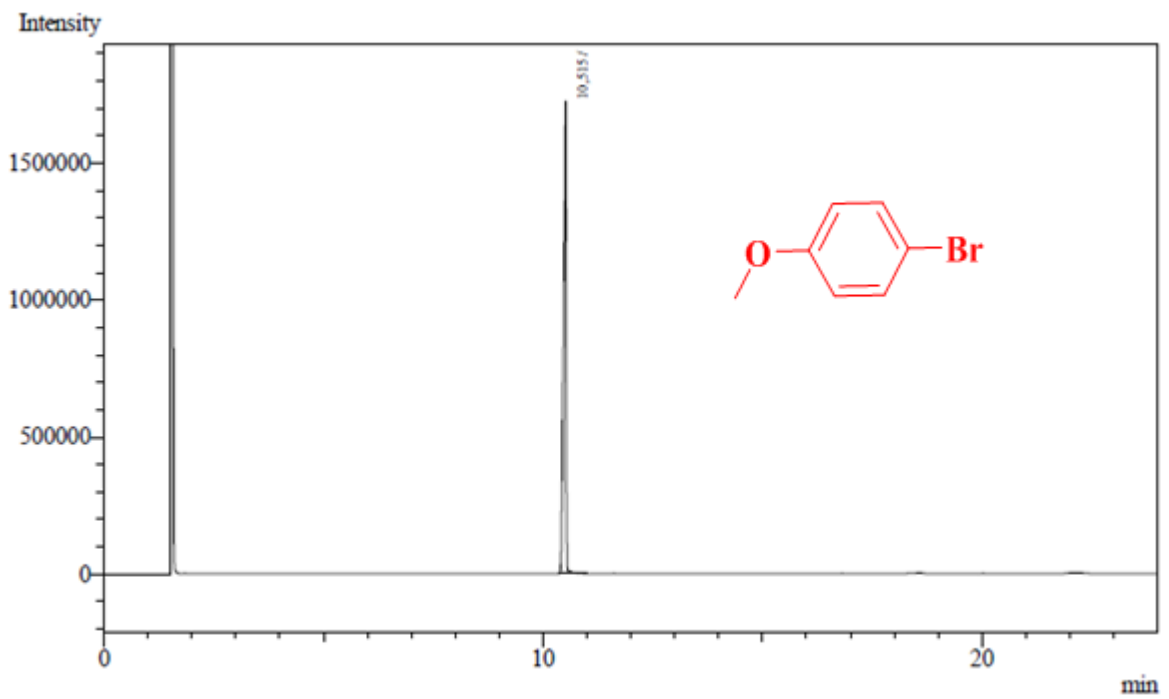
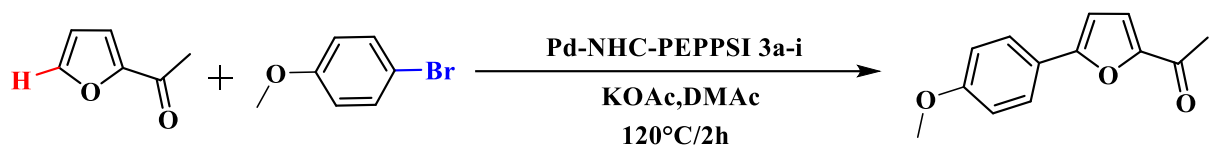
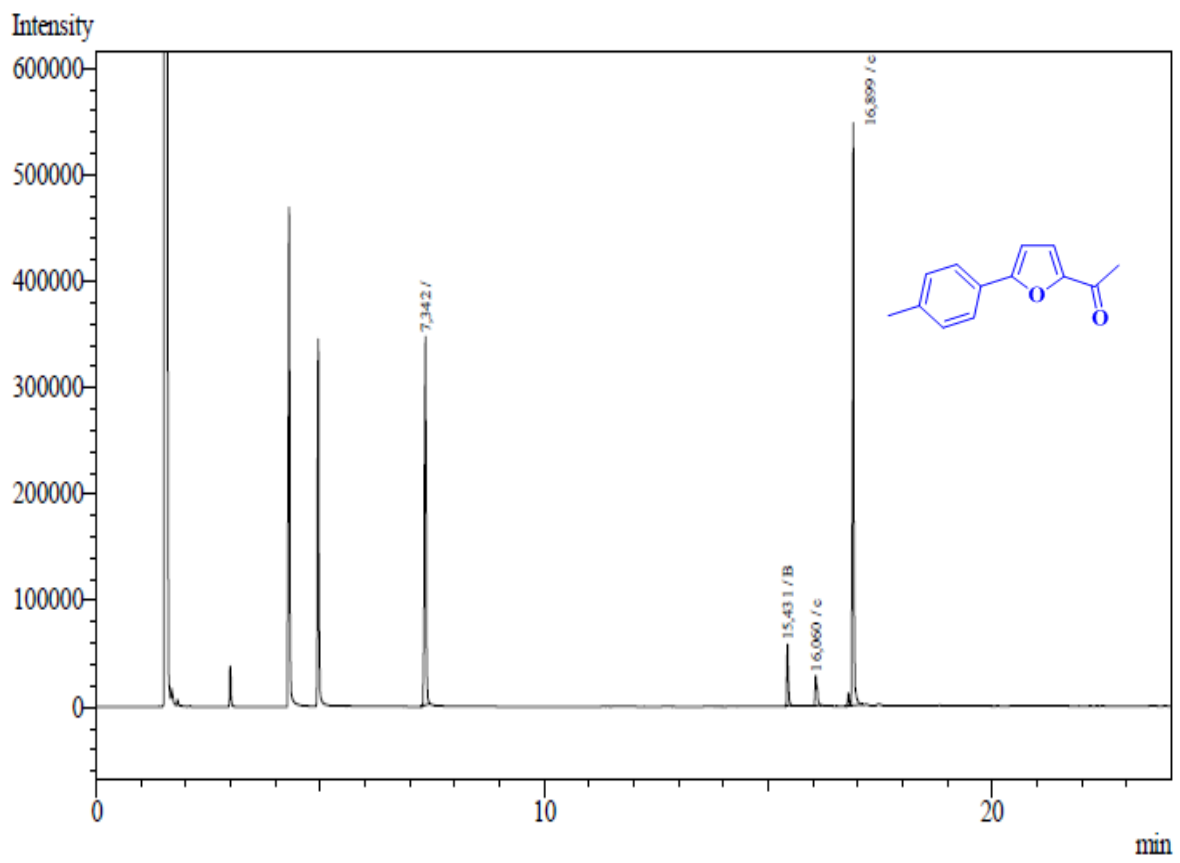


3h

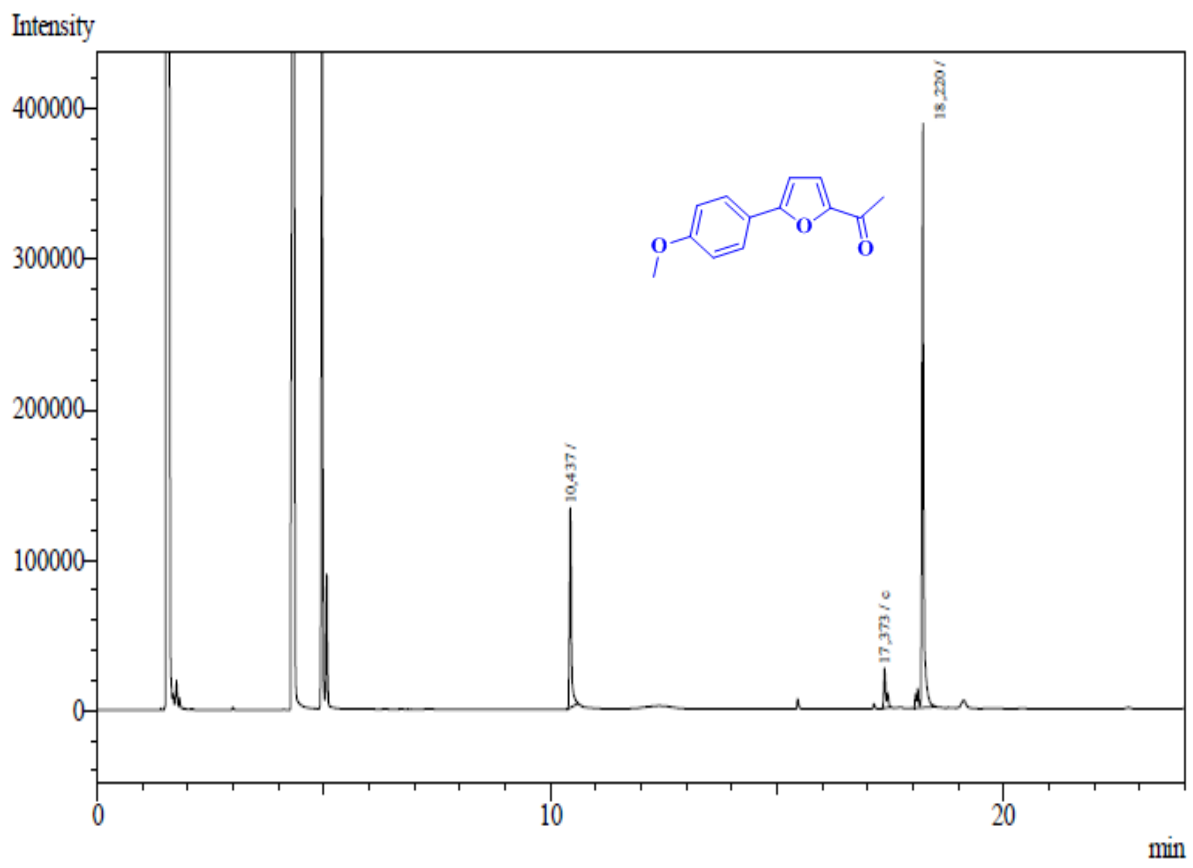


3i

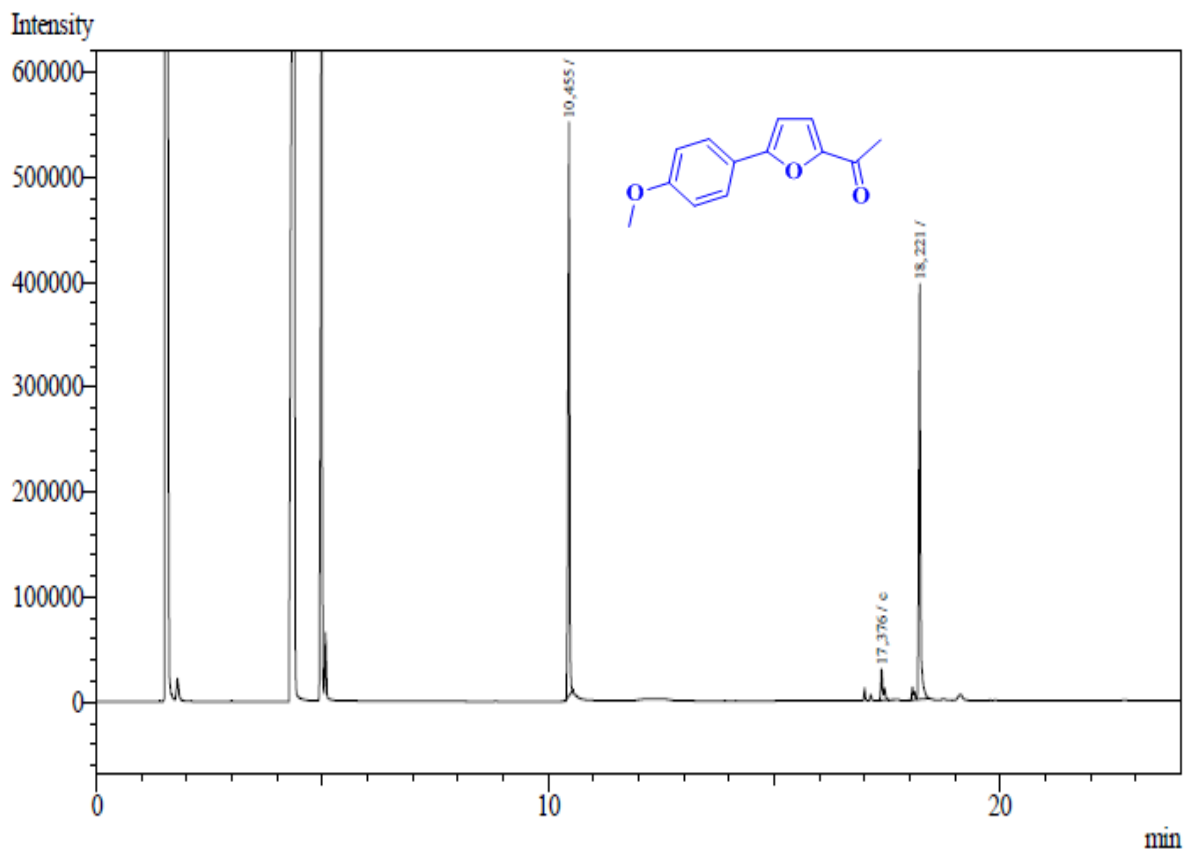




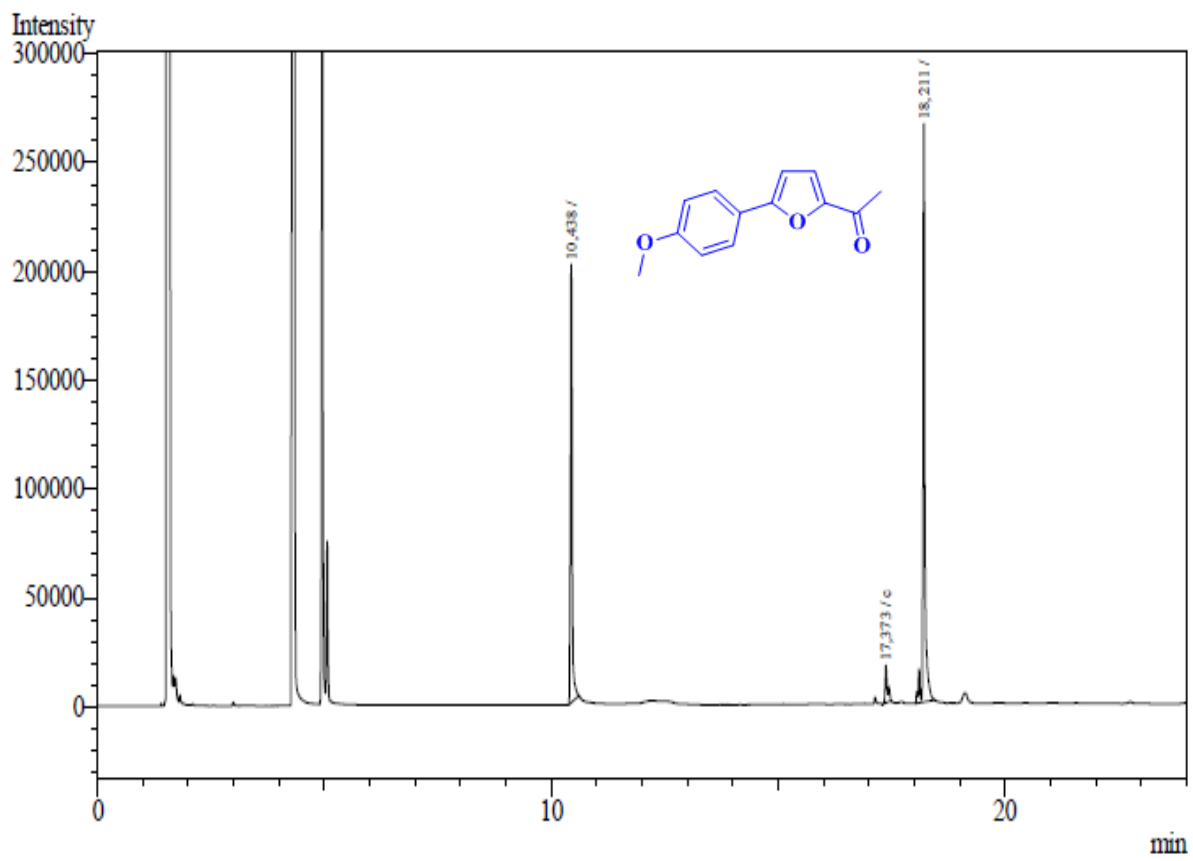
3a



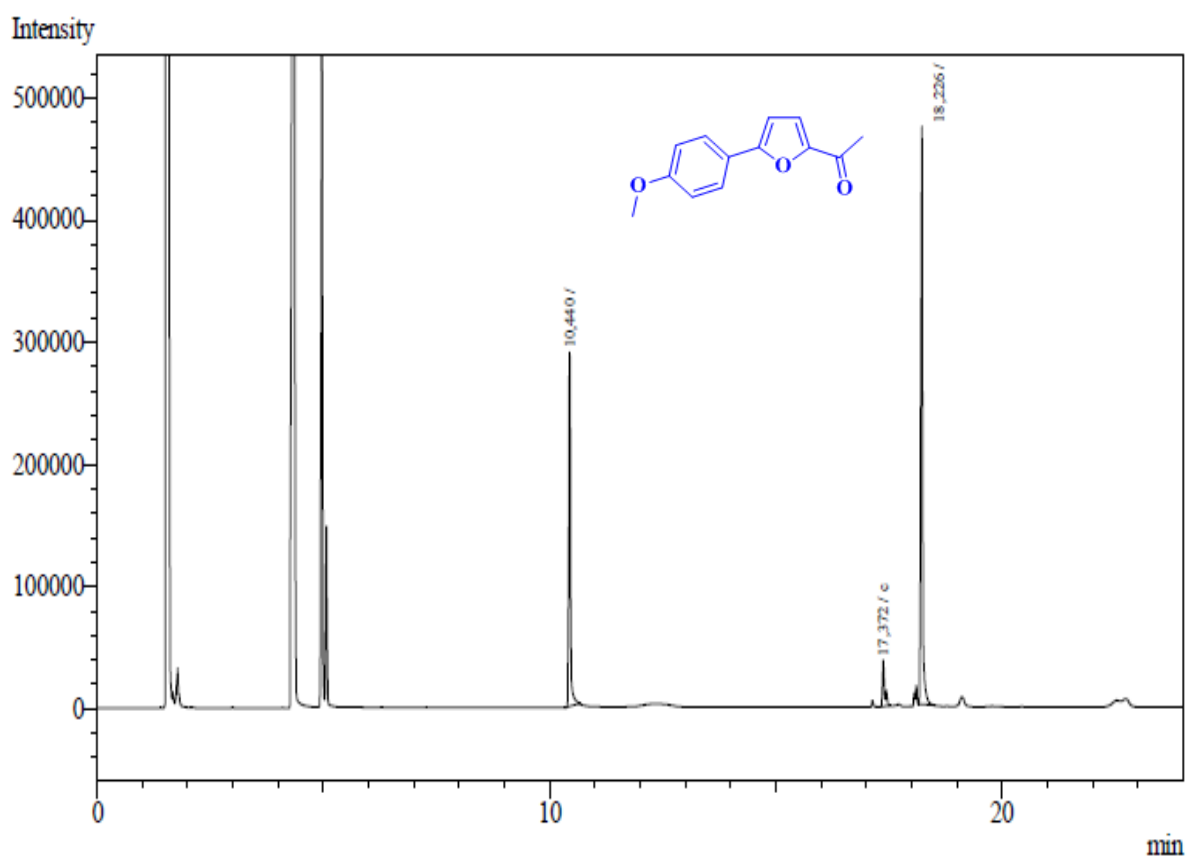
3b



3c

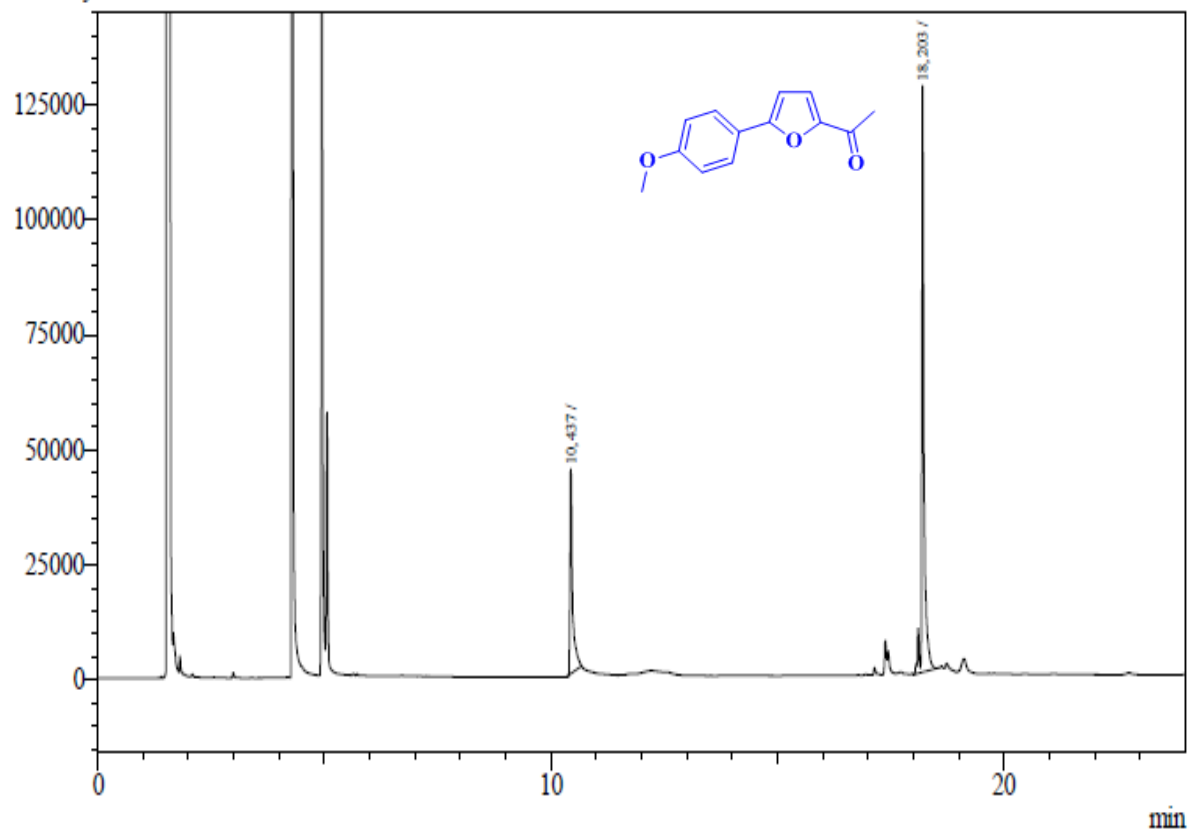


3d



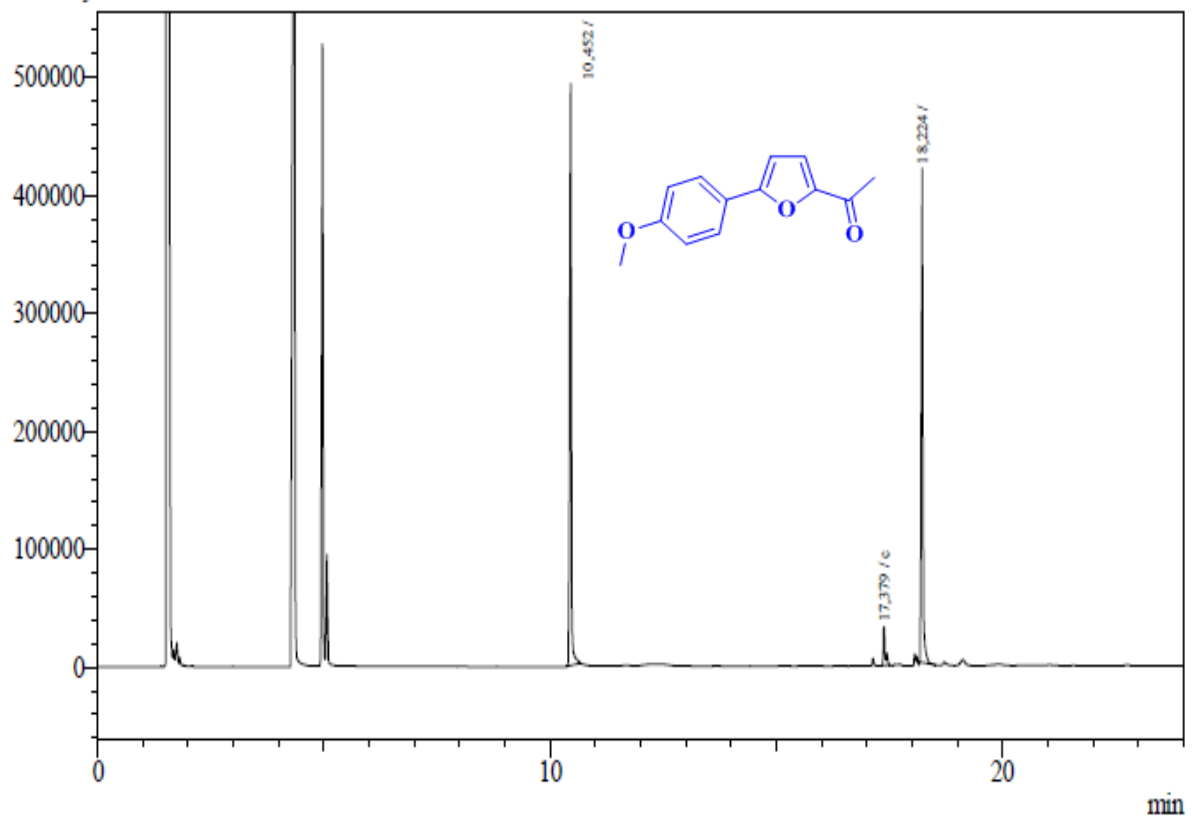
3e

Intensity

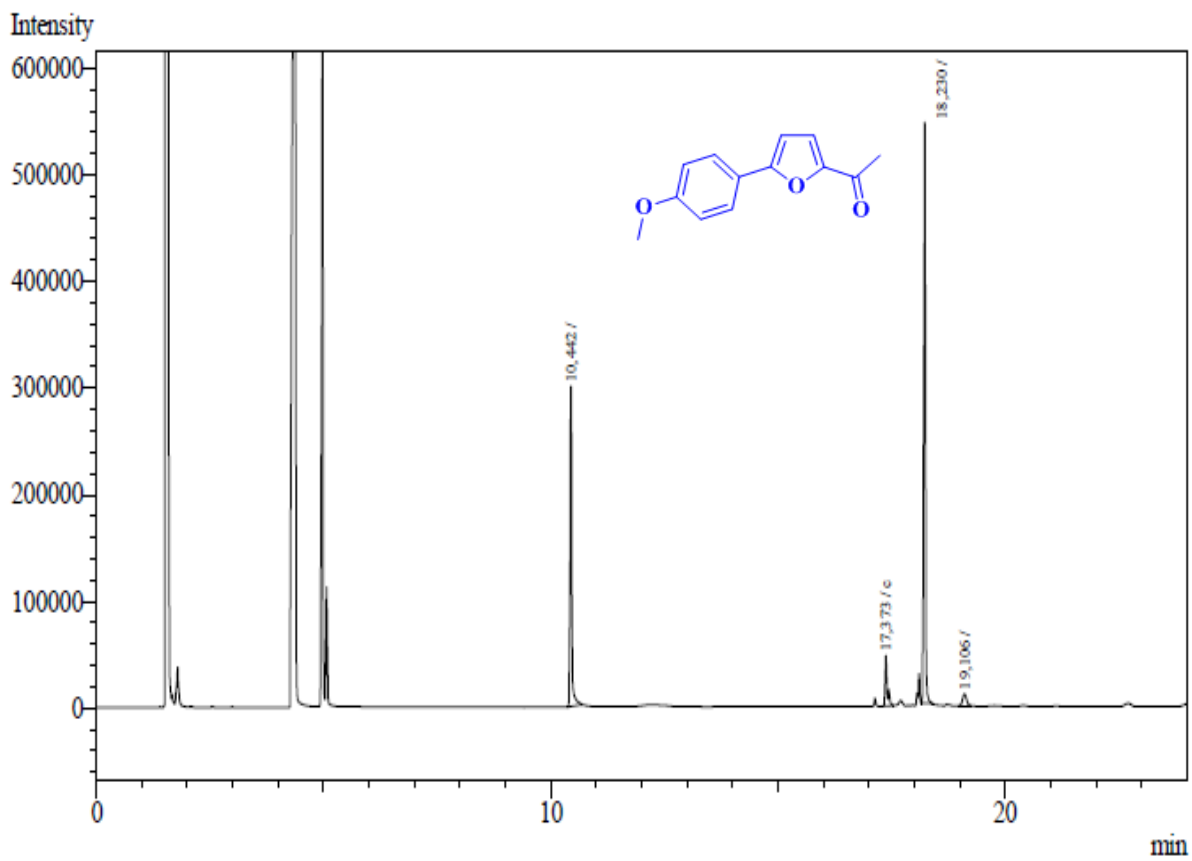


3f

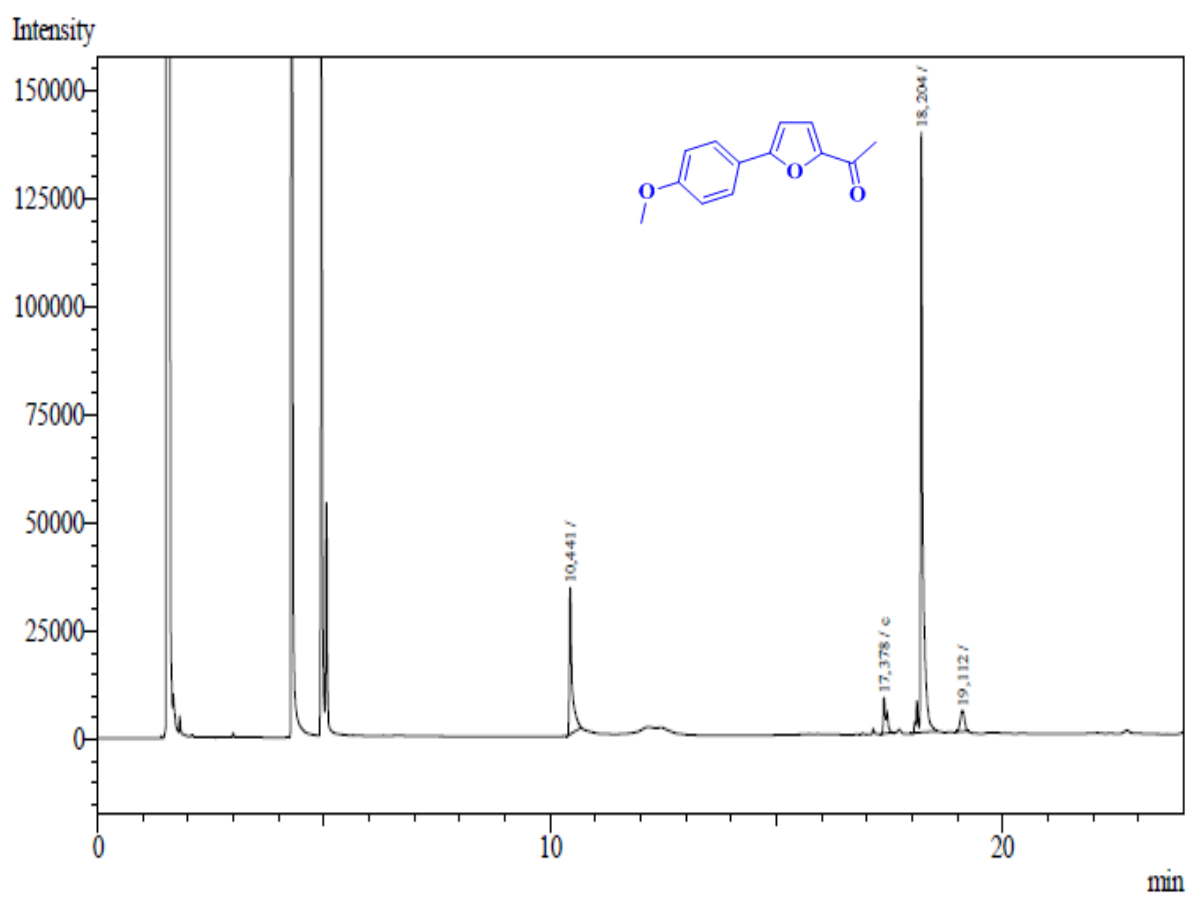
Intensity



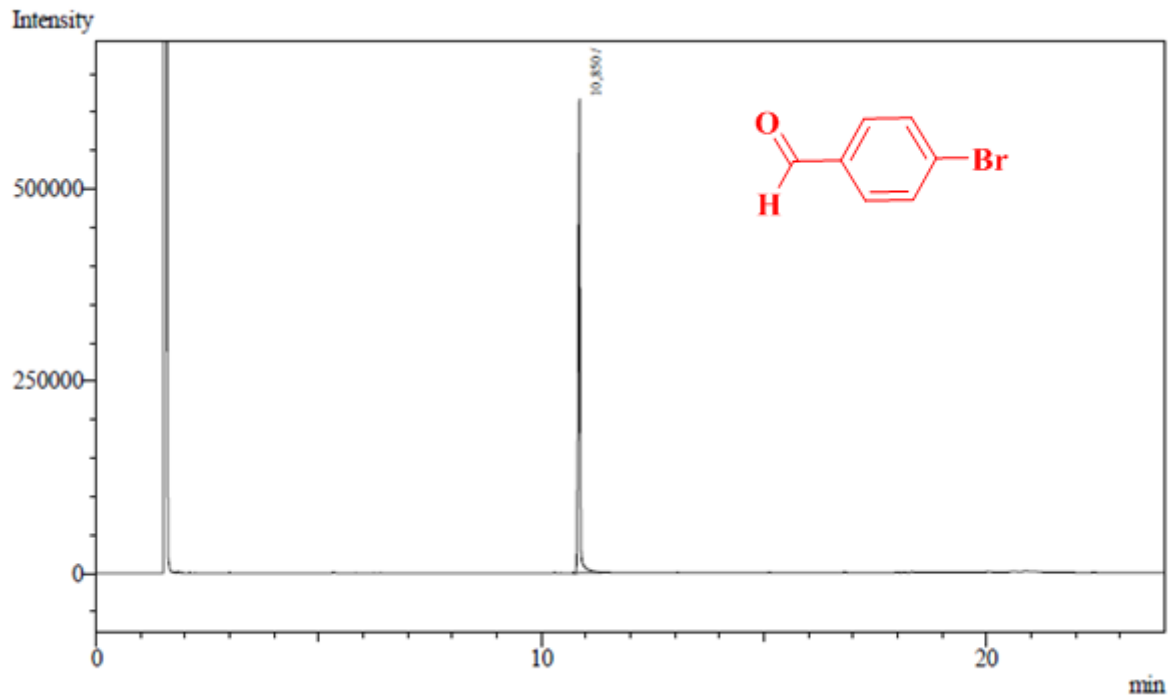
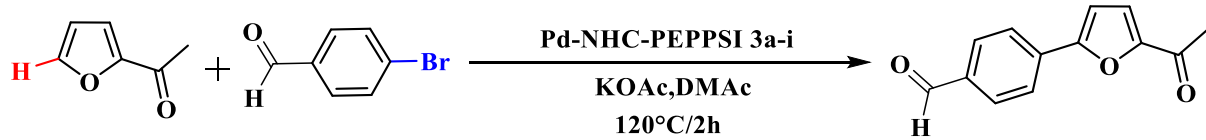
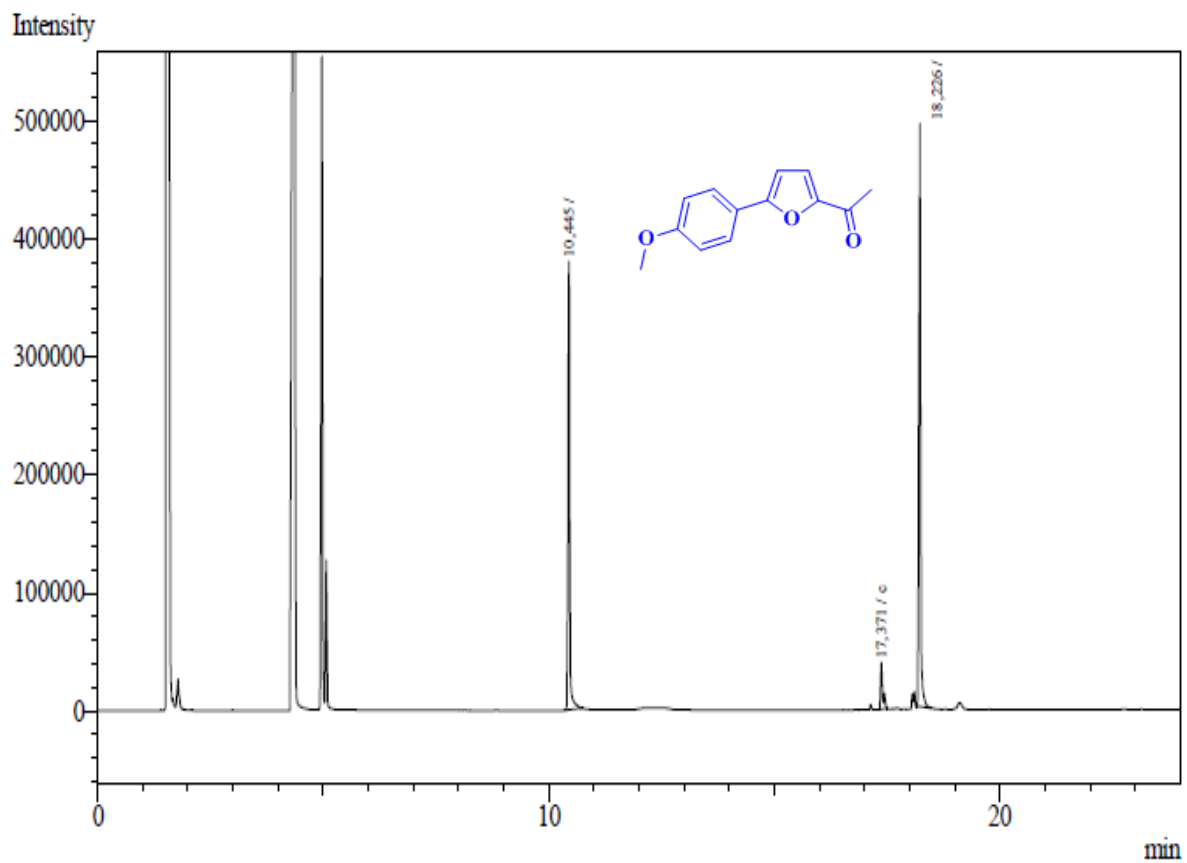
3g



3h

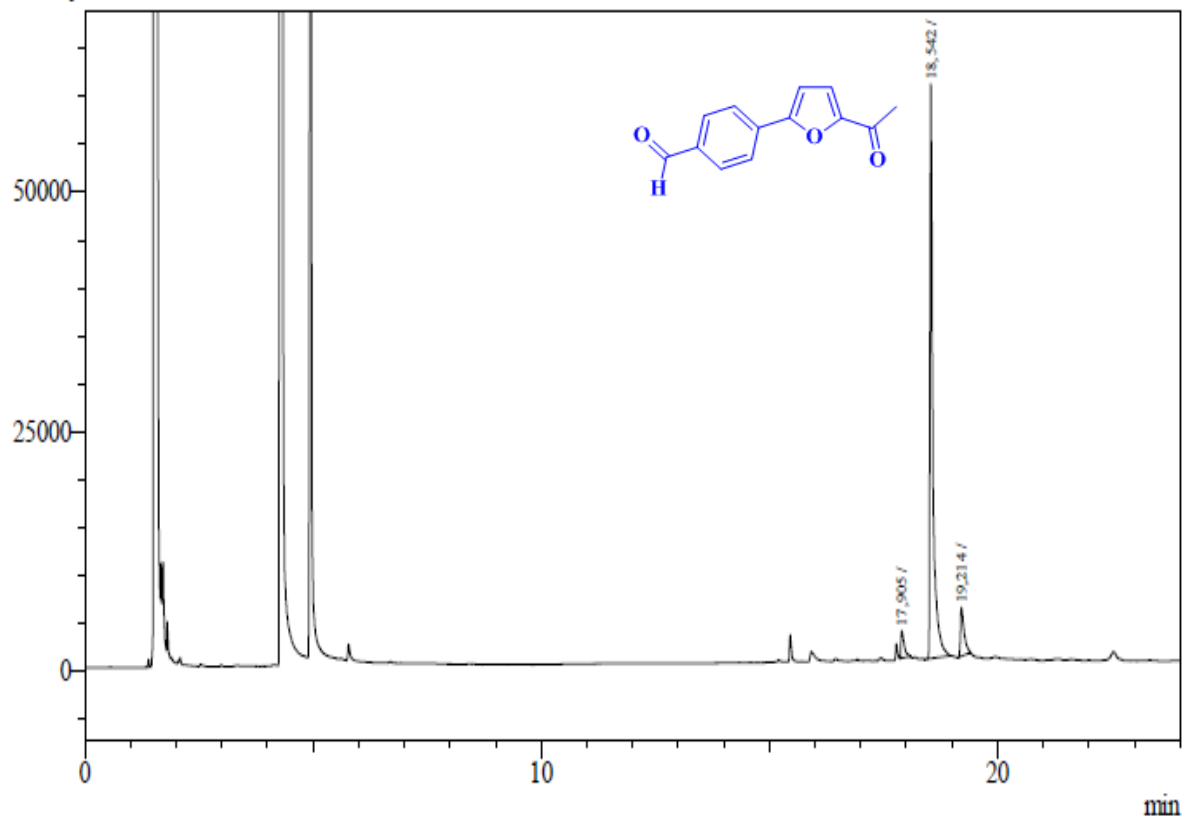


3i



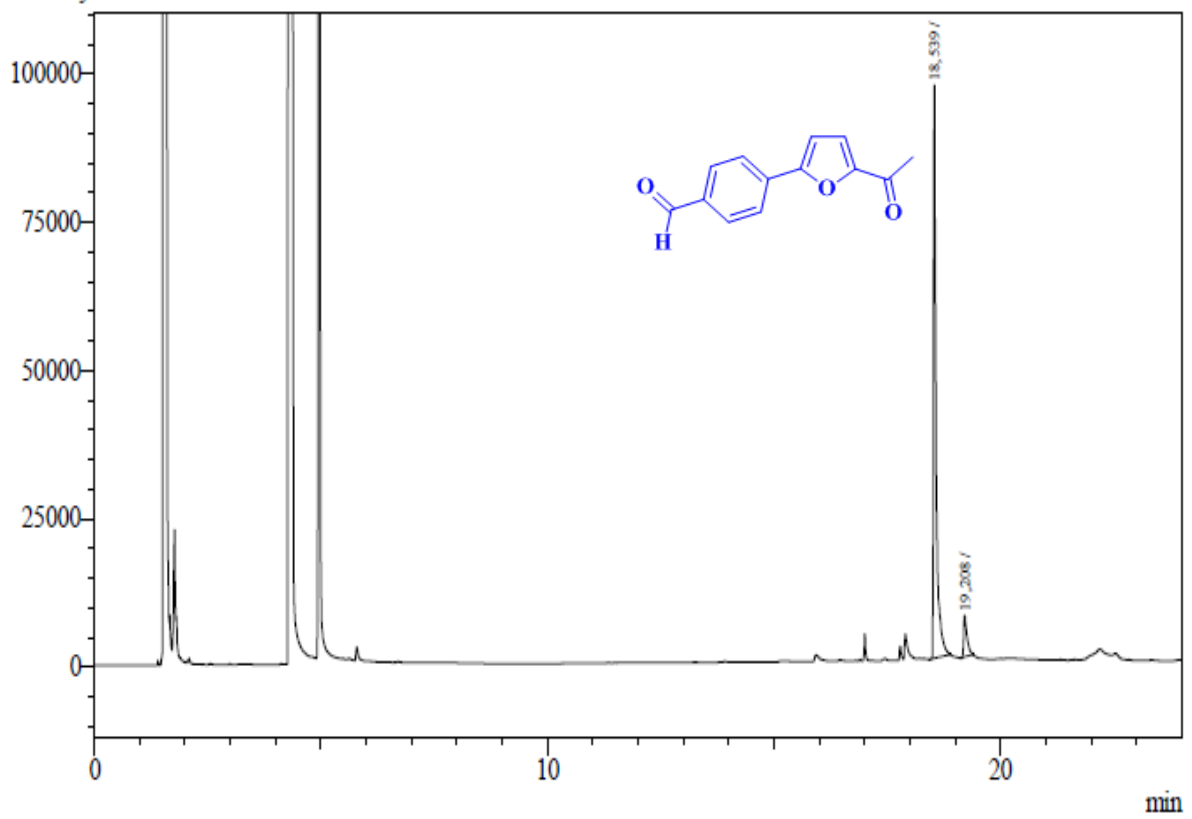
3a

Intensity



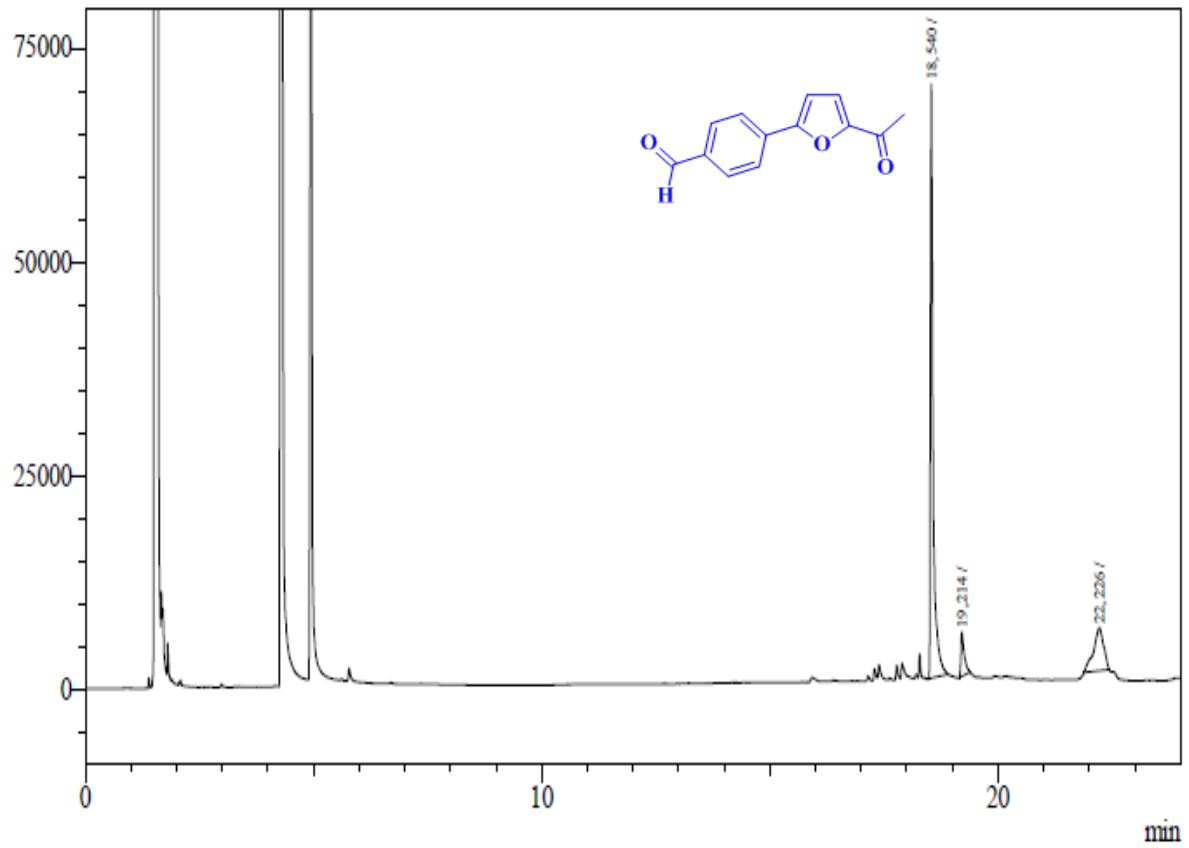
3b

Intensity



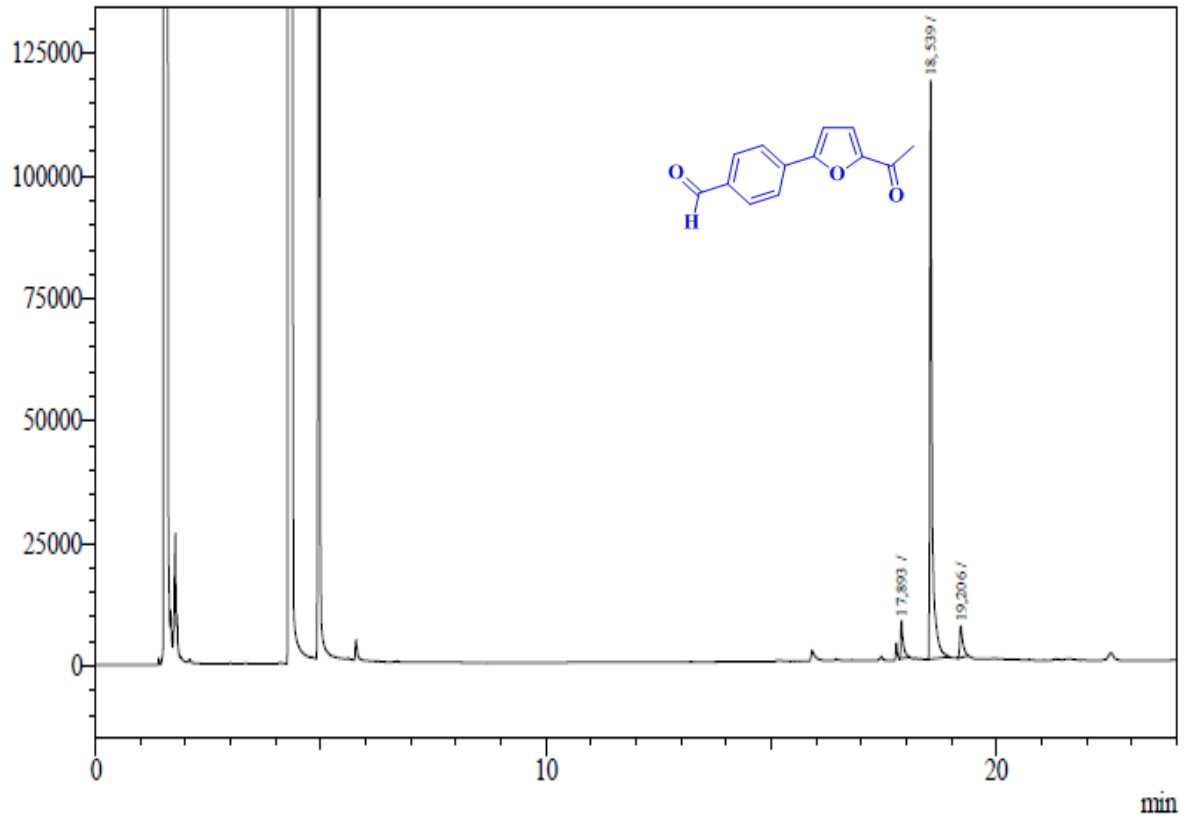
3c

Intensity



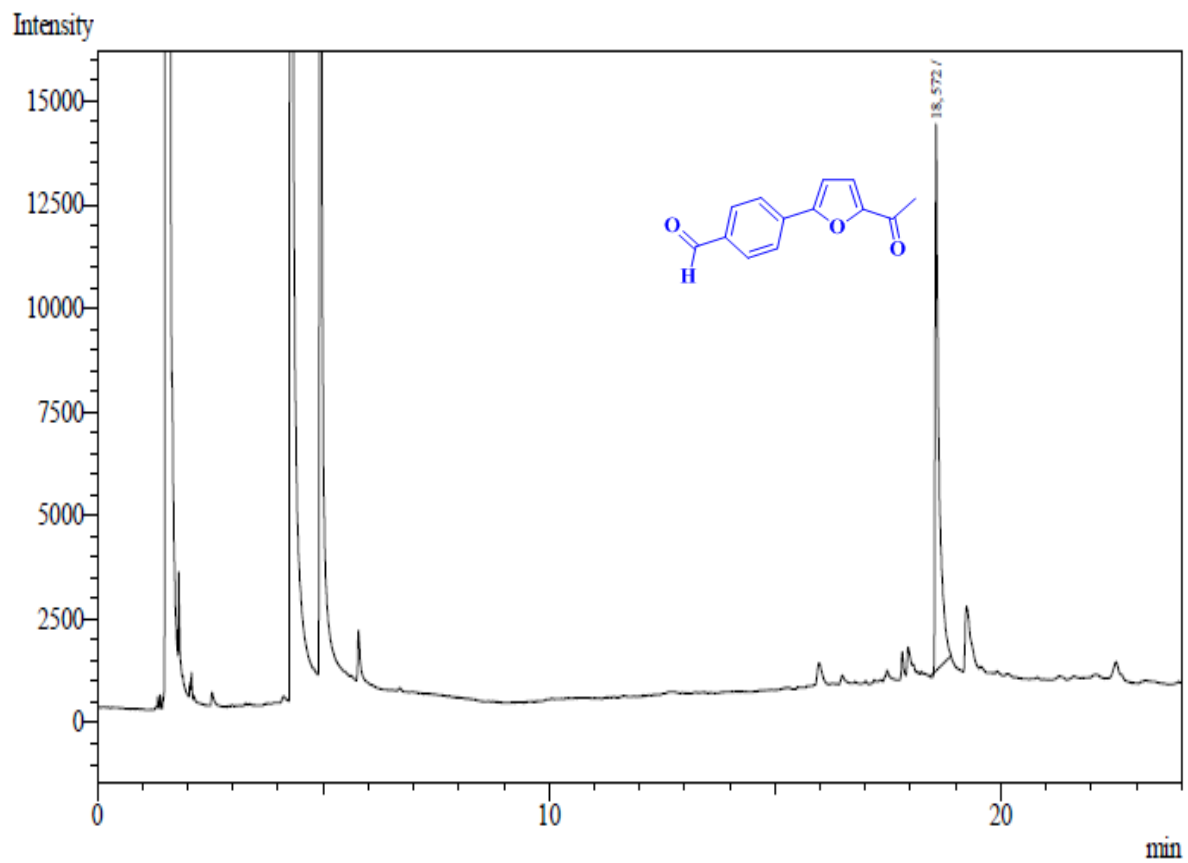
3d

Intensity

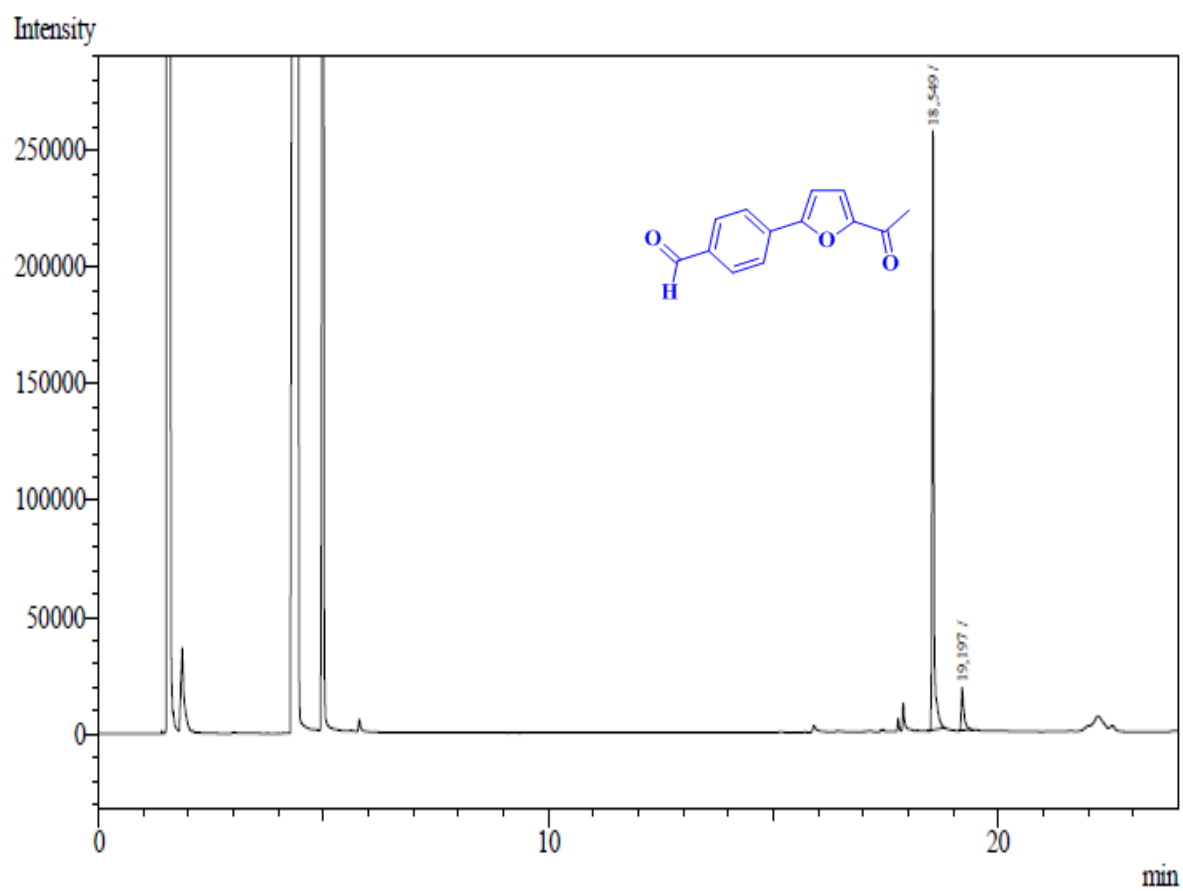


3e

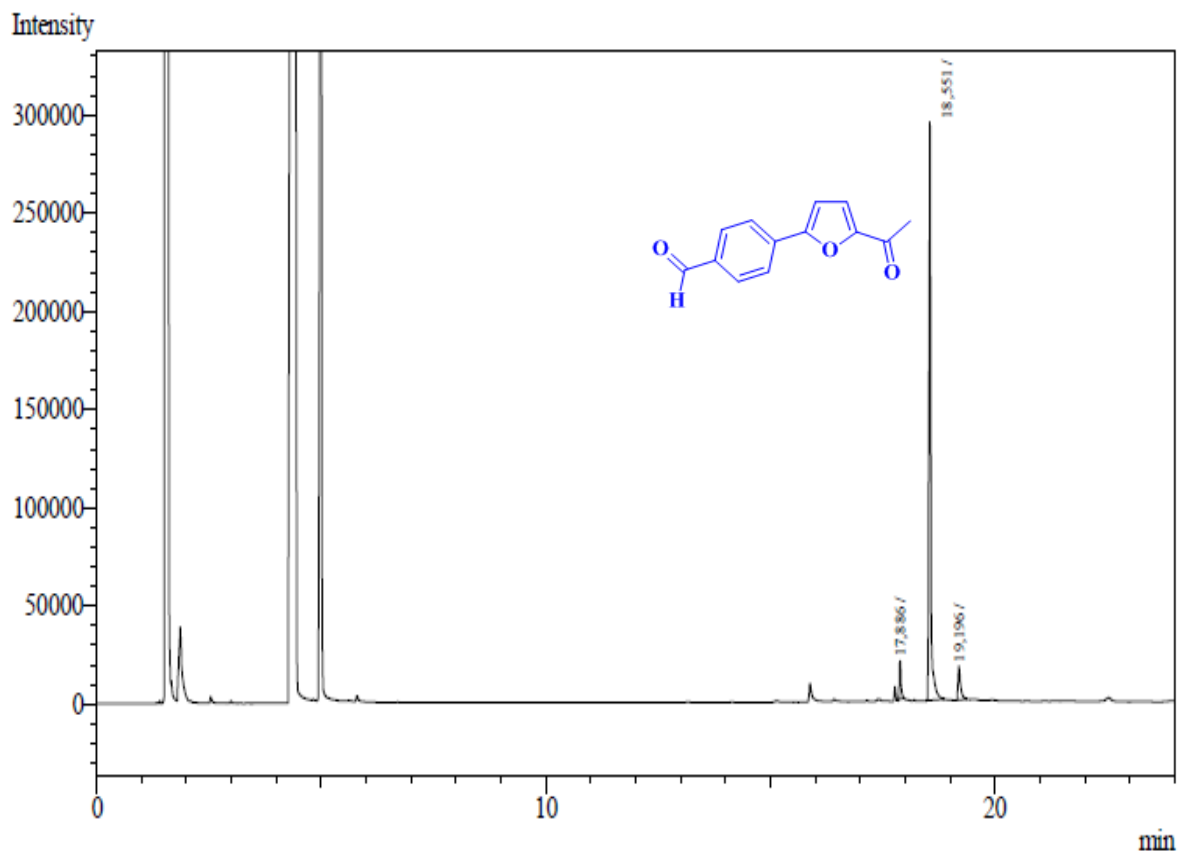




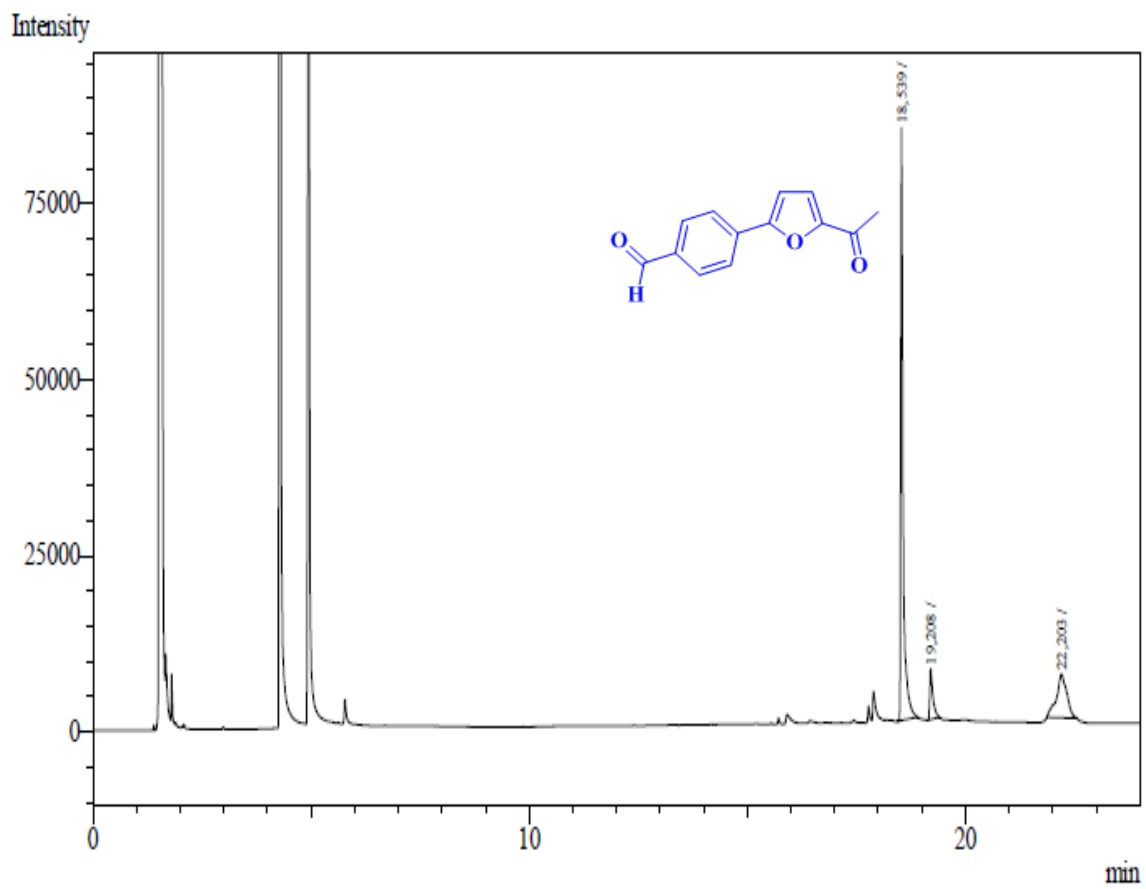
3f



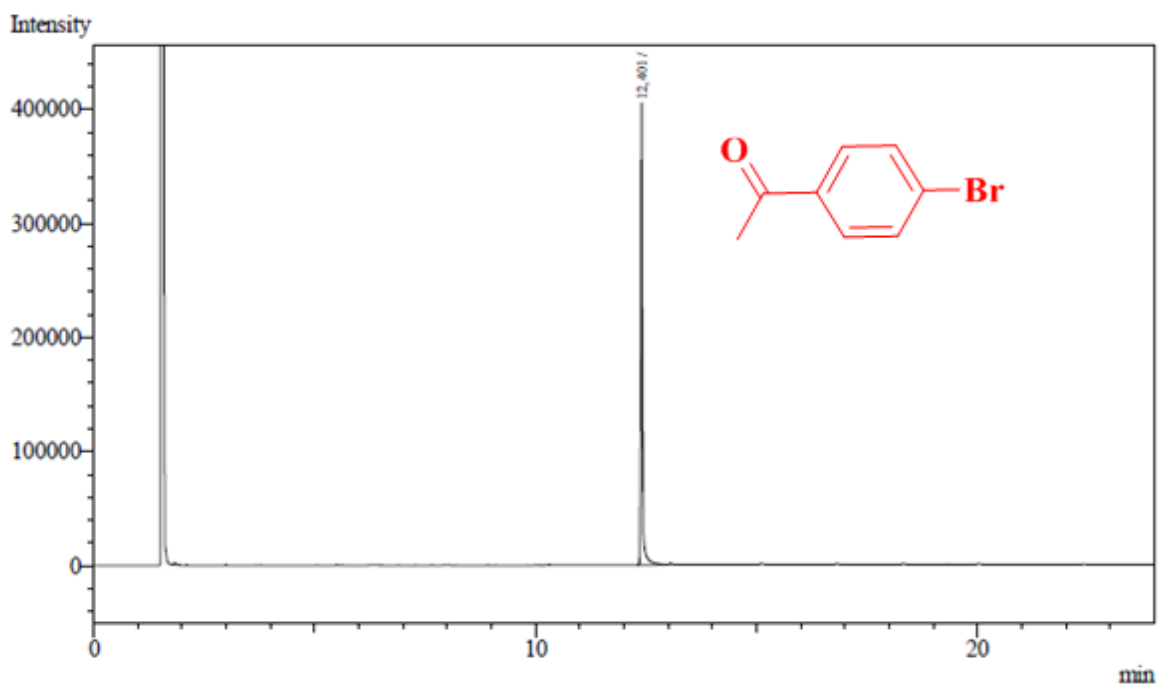
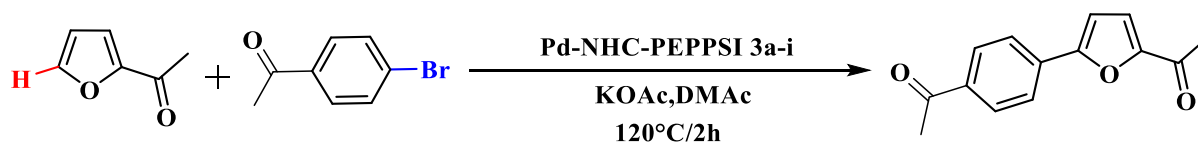
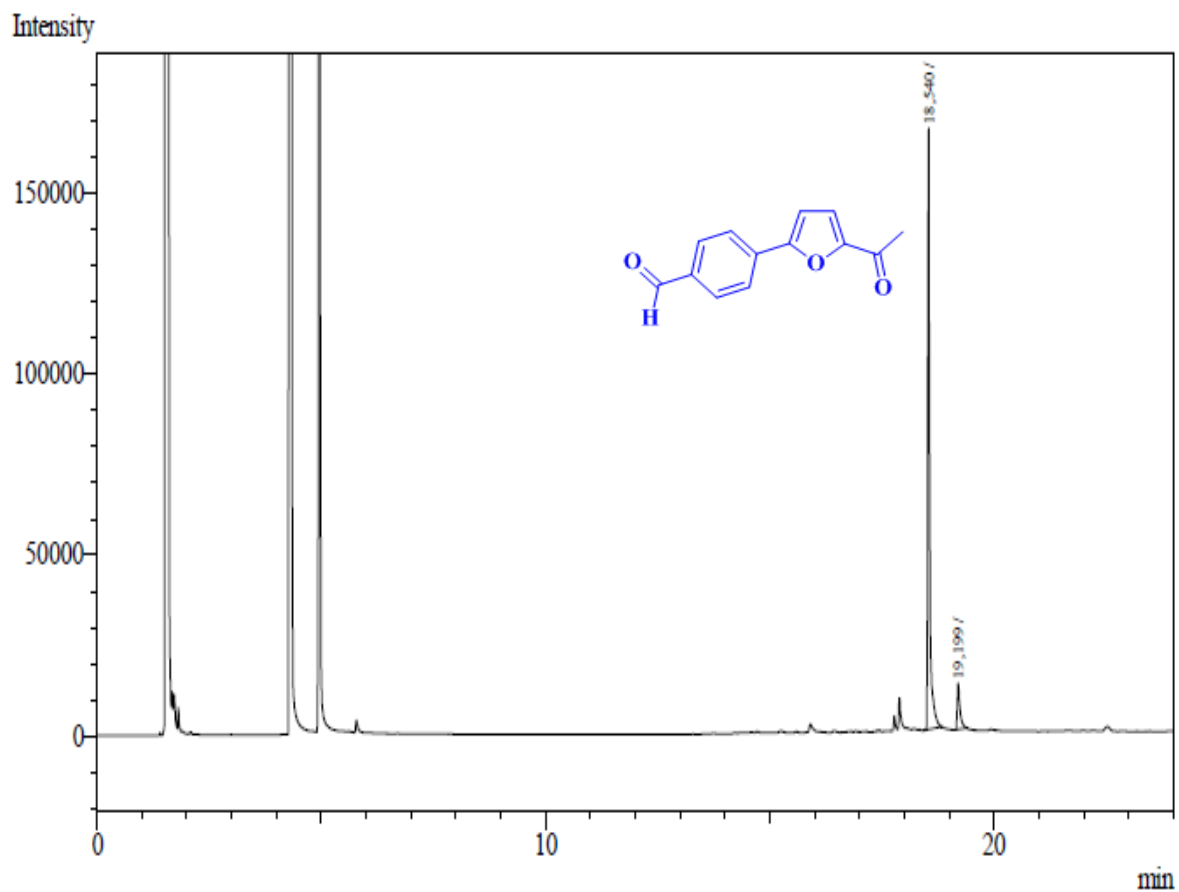
3g



3h

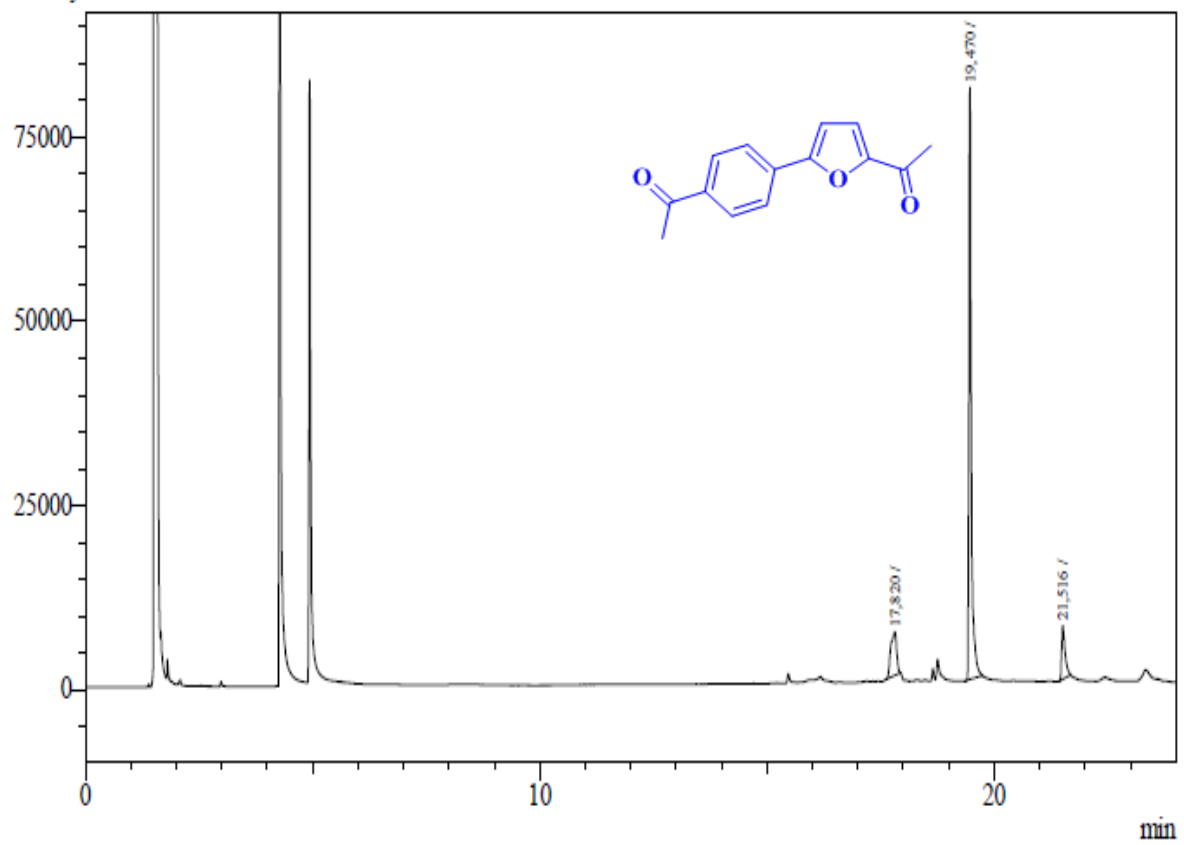


3i



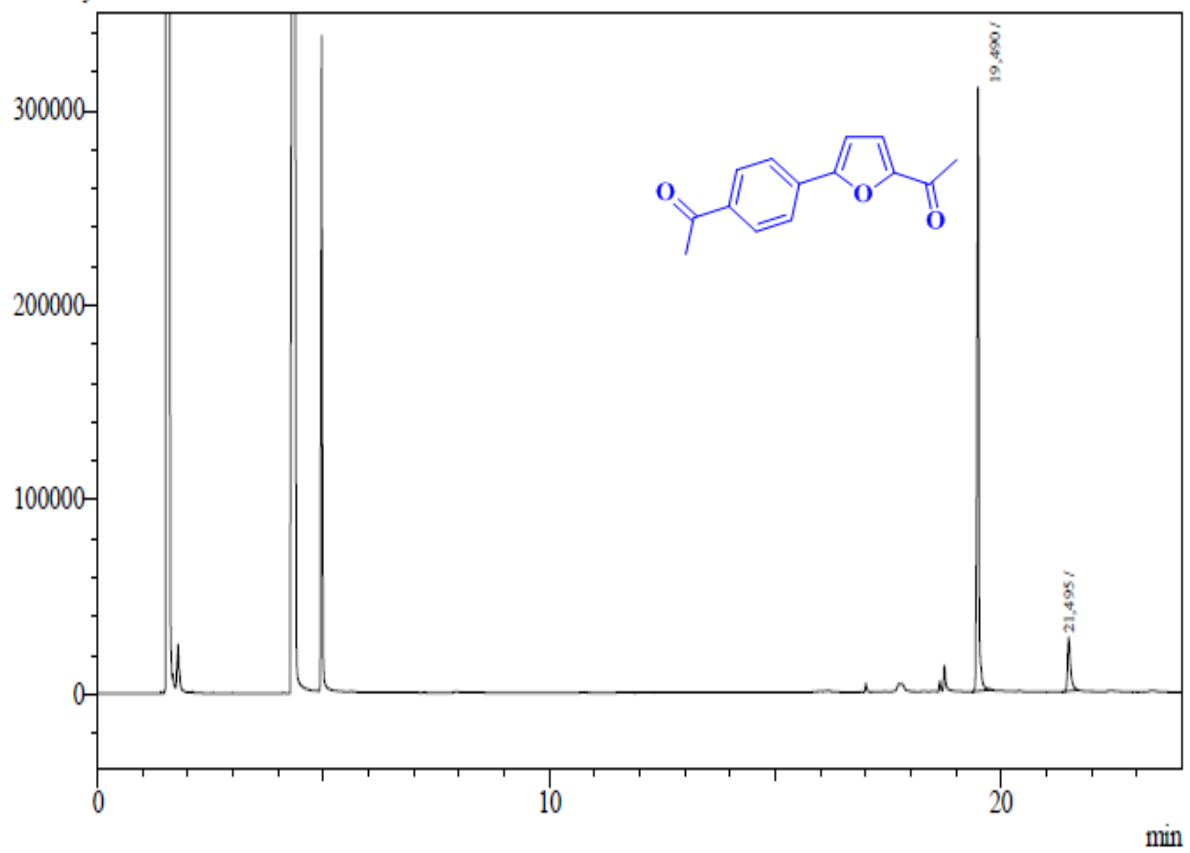
3a

Intensity

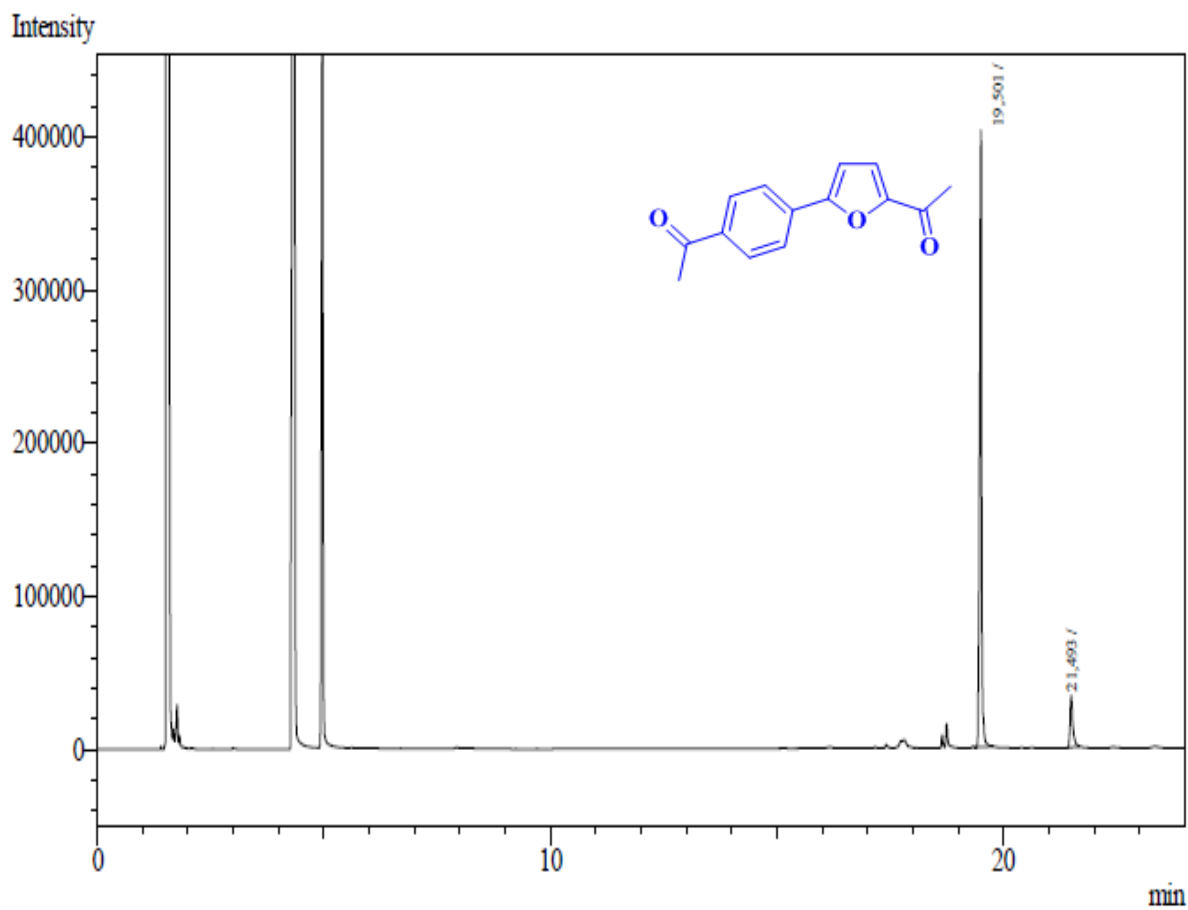


3b

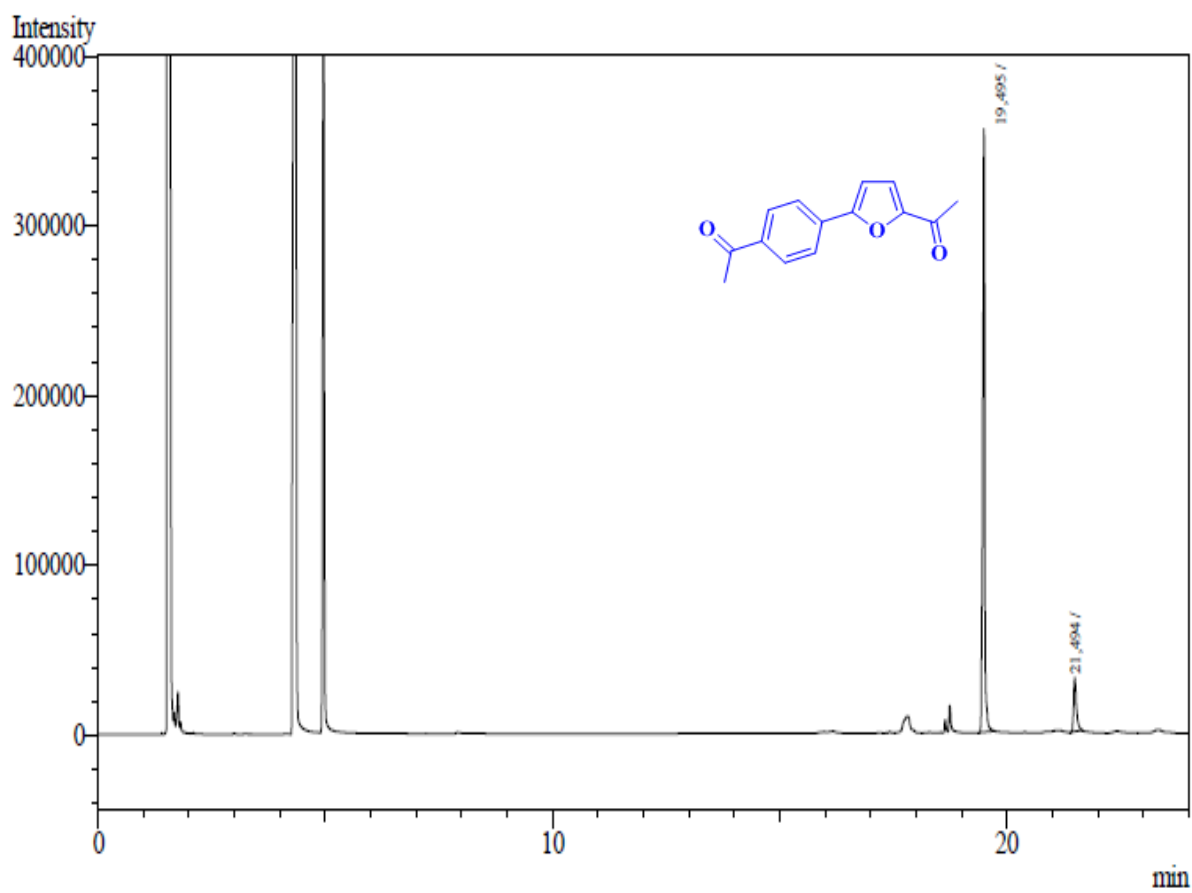
Intensity



3c

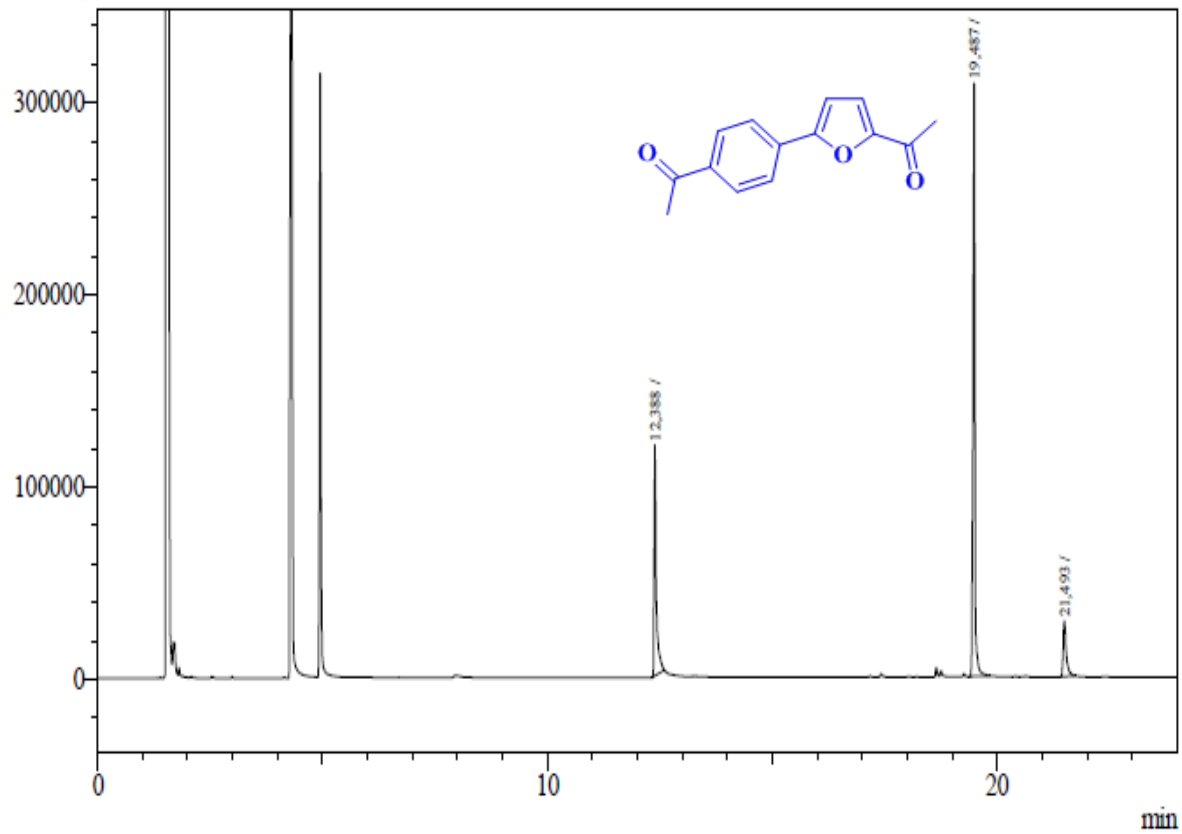


3d



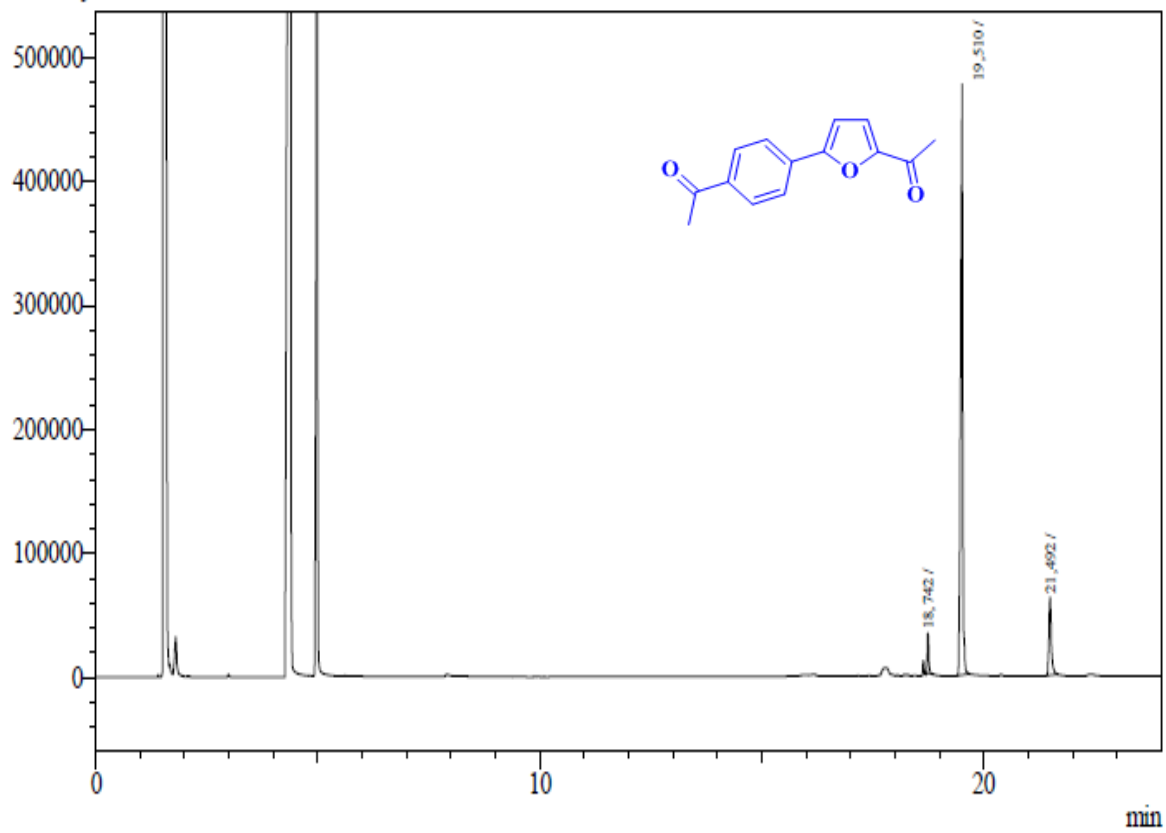
3e

Intensity

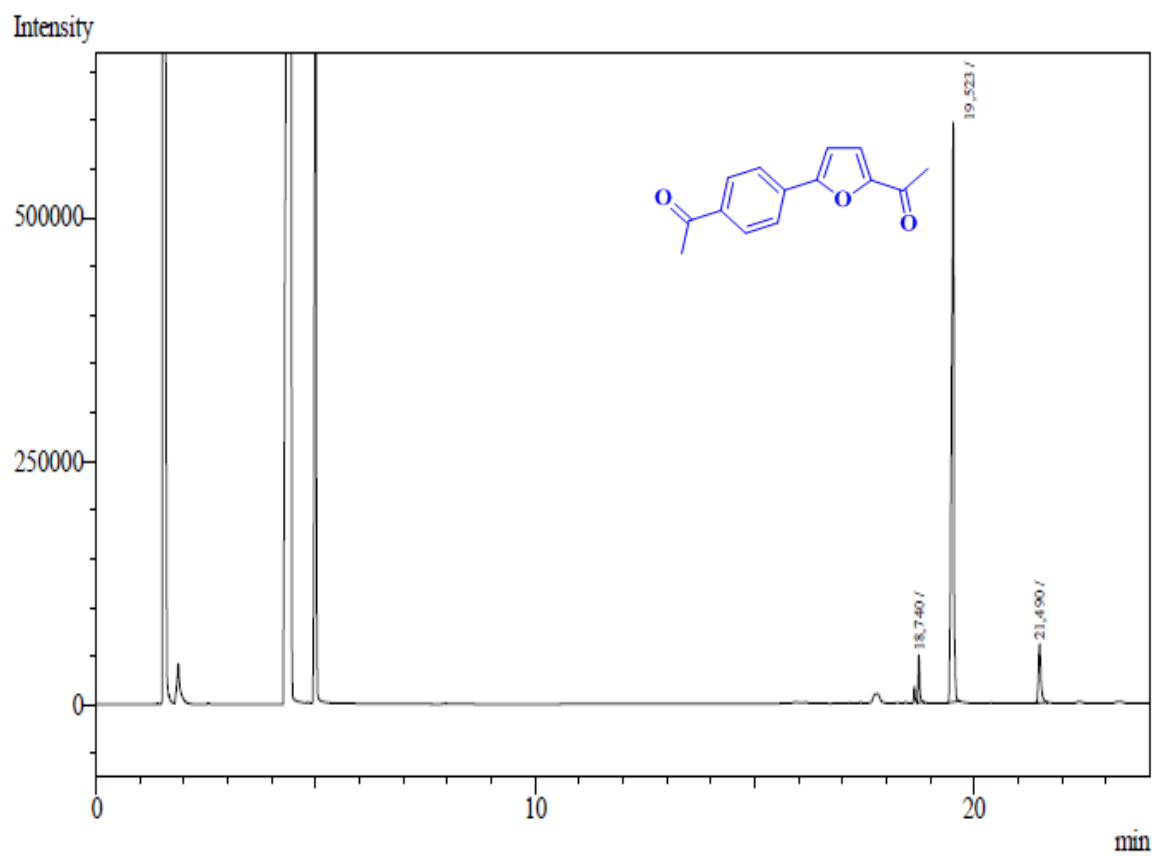


3f

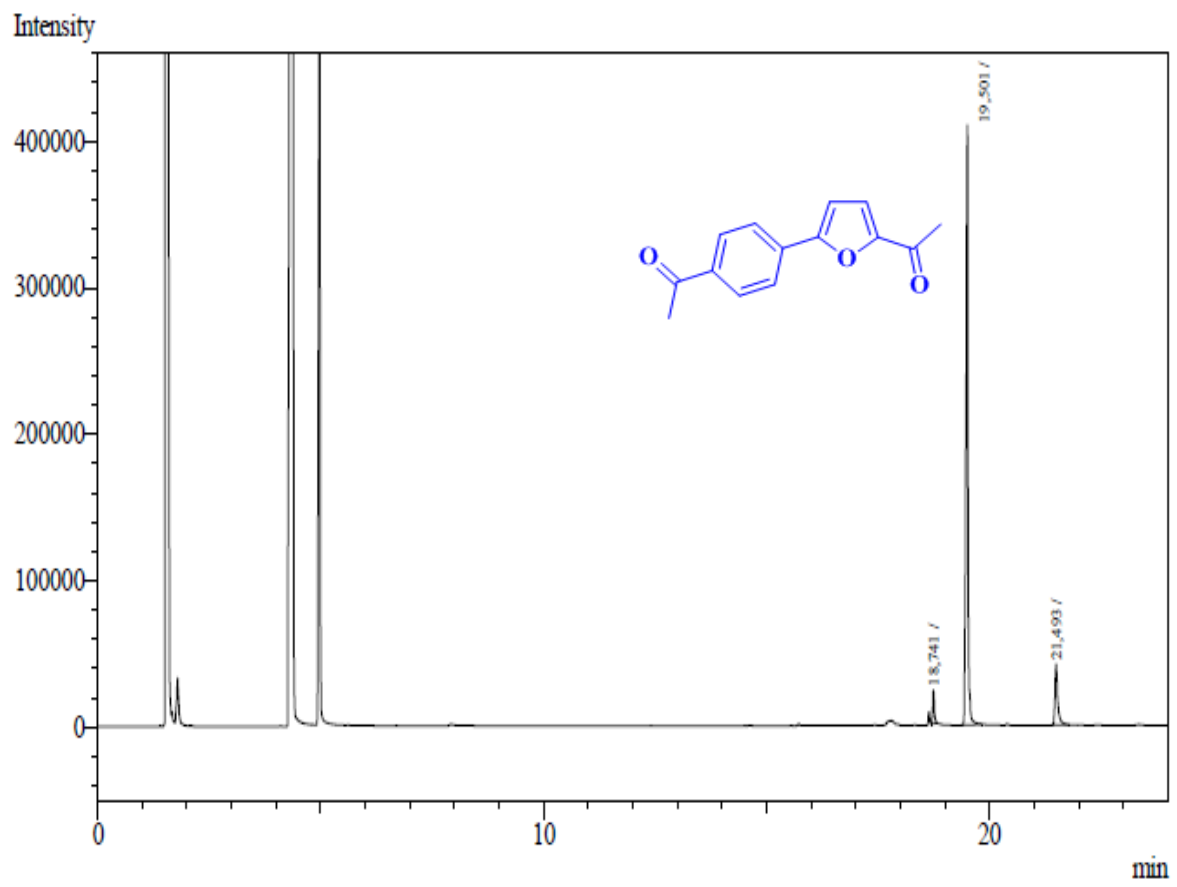
Intensity



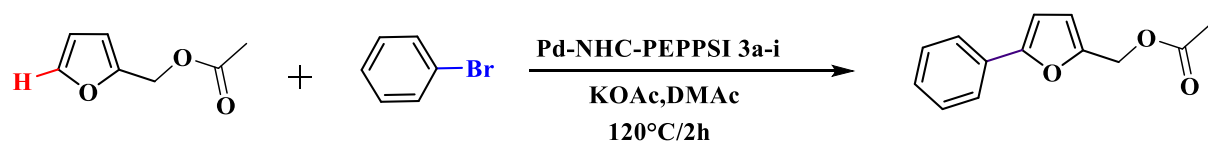
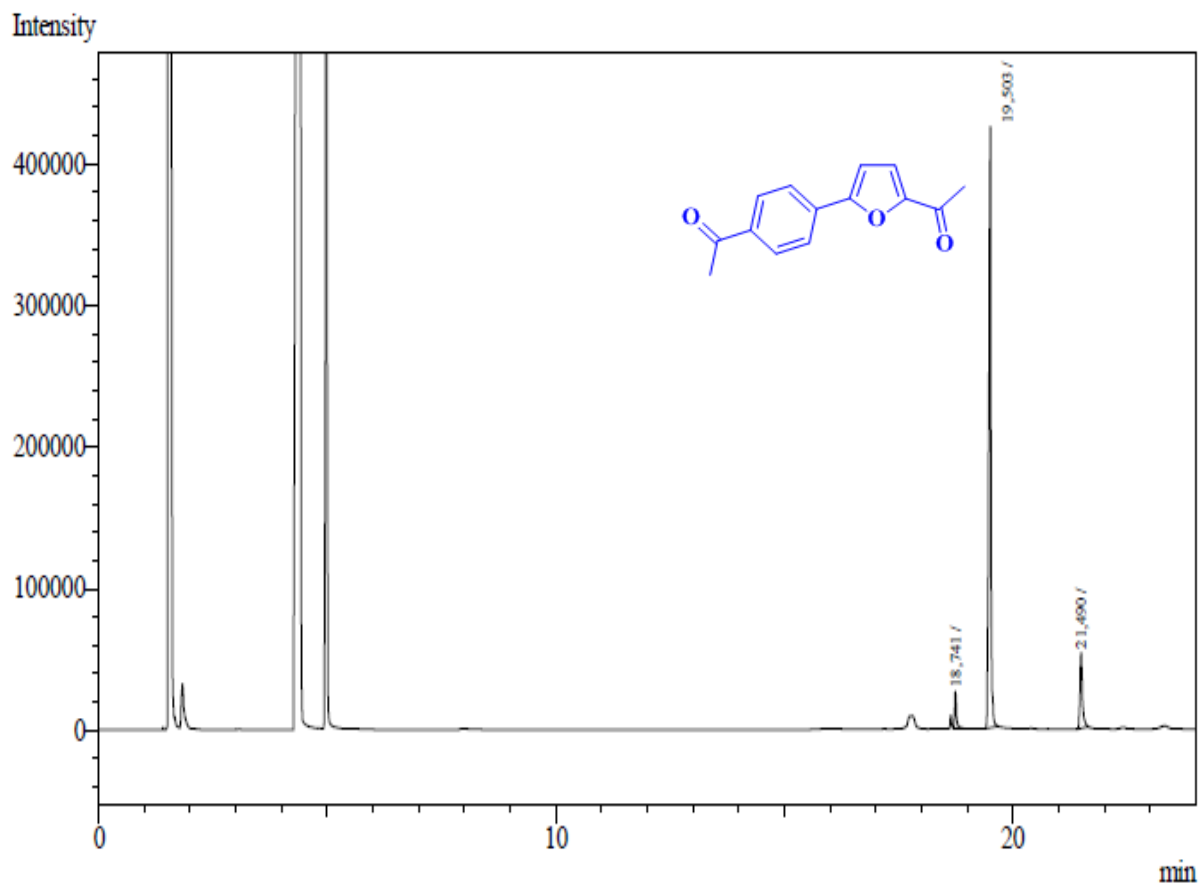
3g



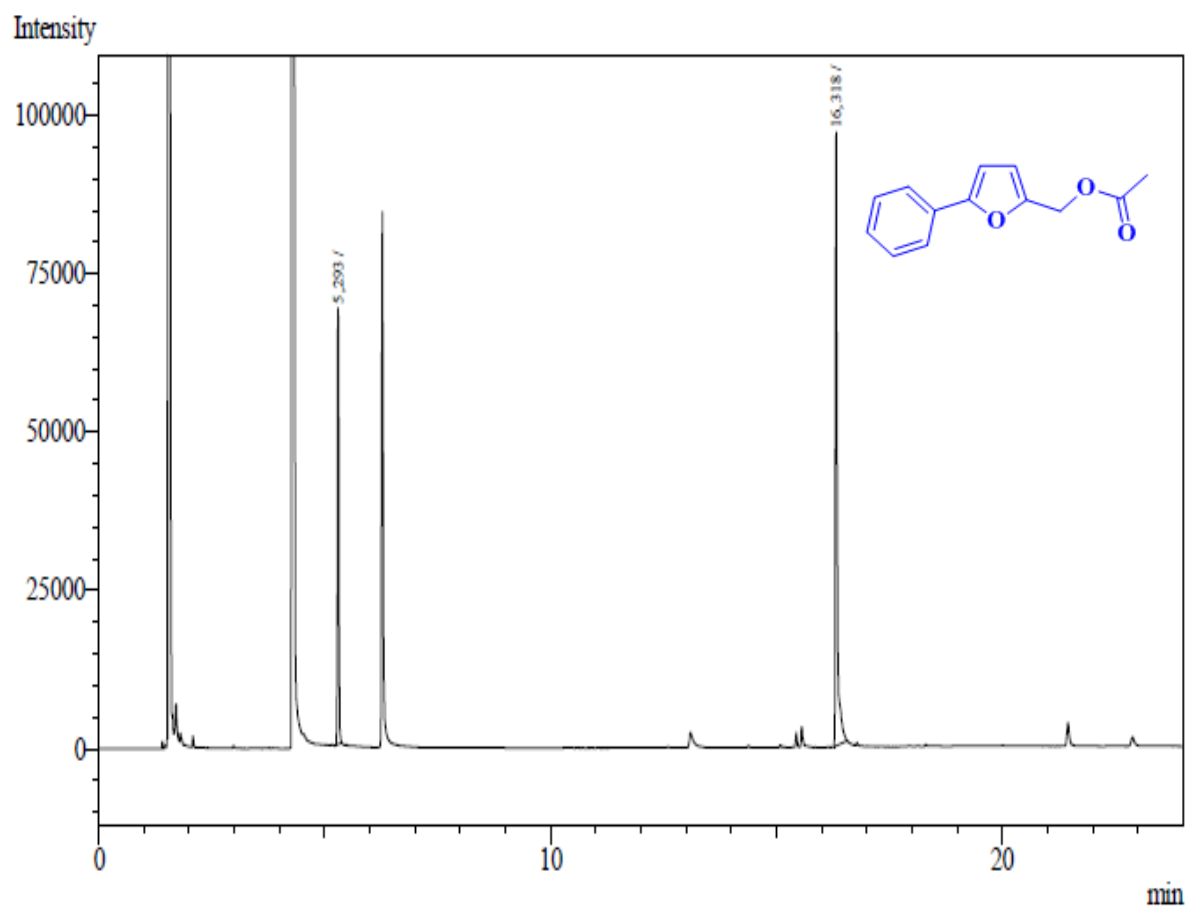
3h



3i

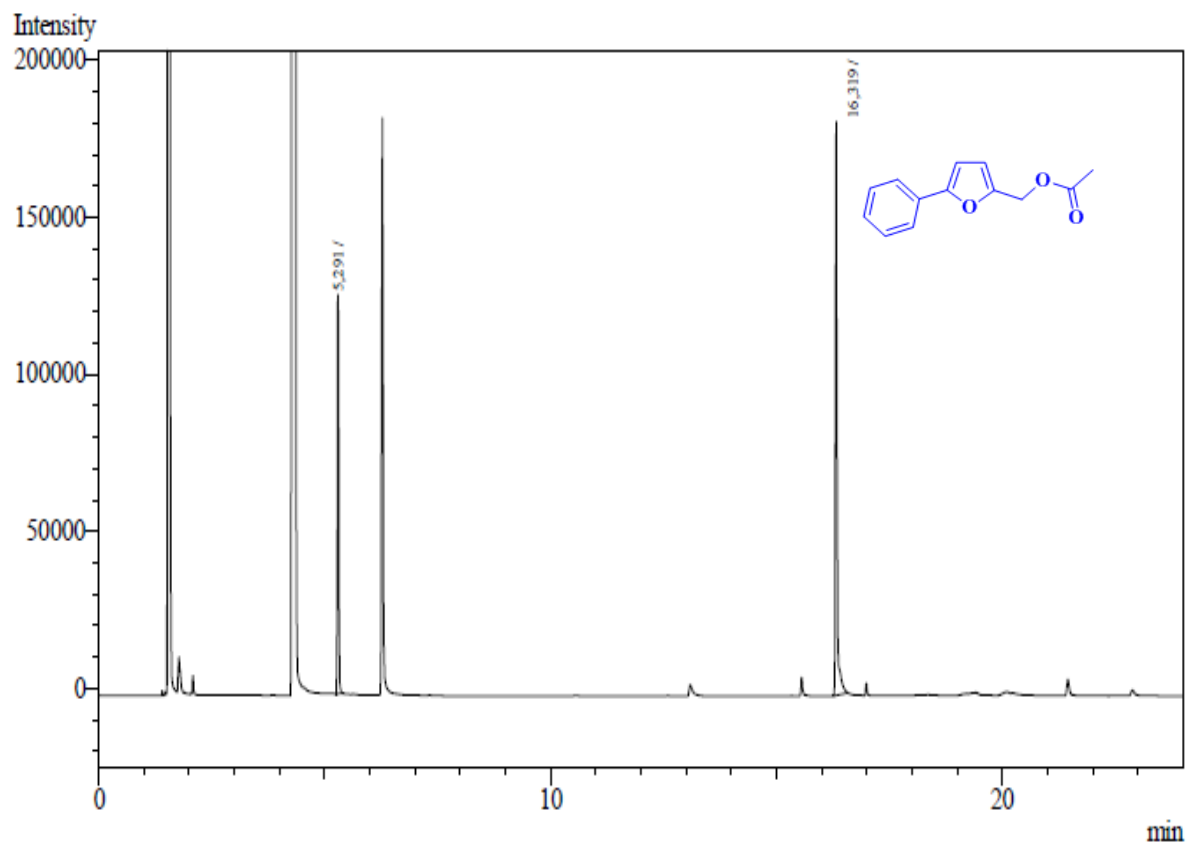


3a

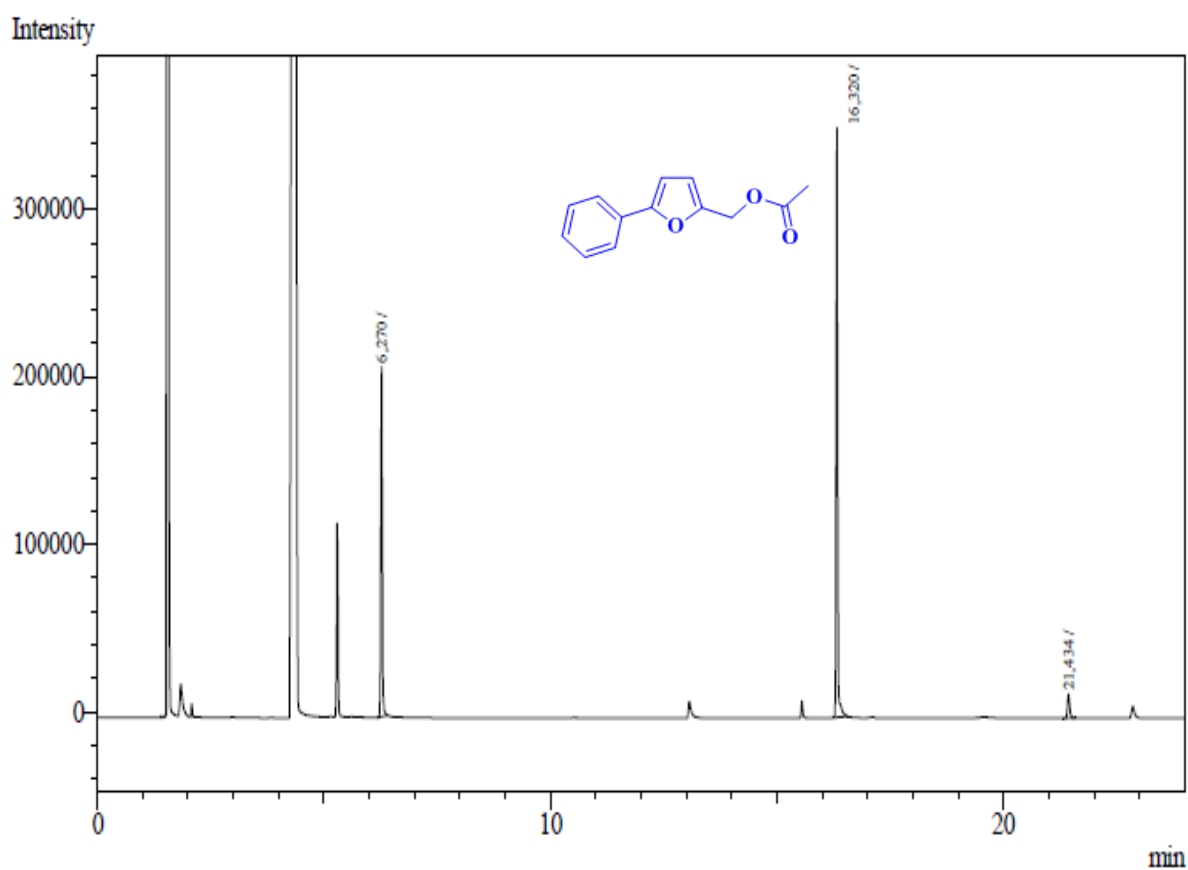


3b

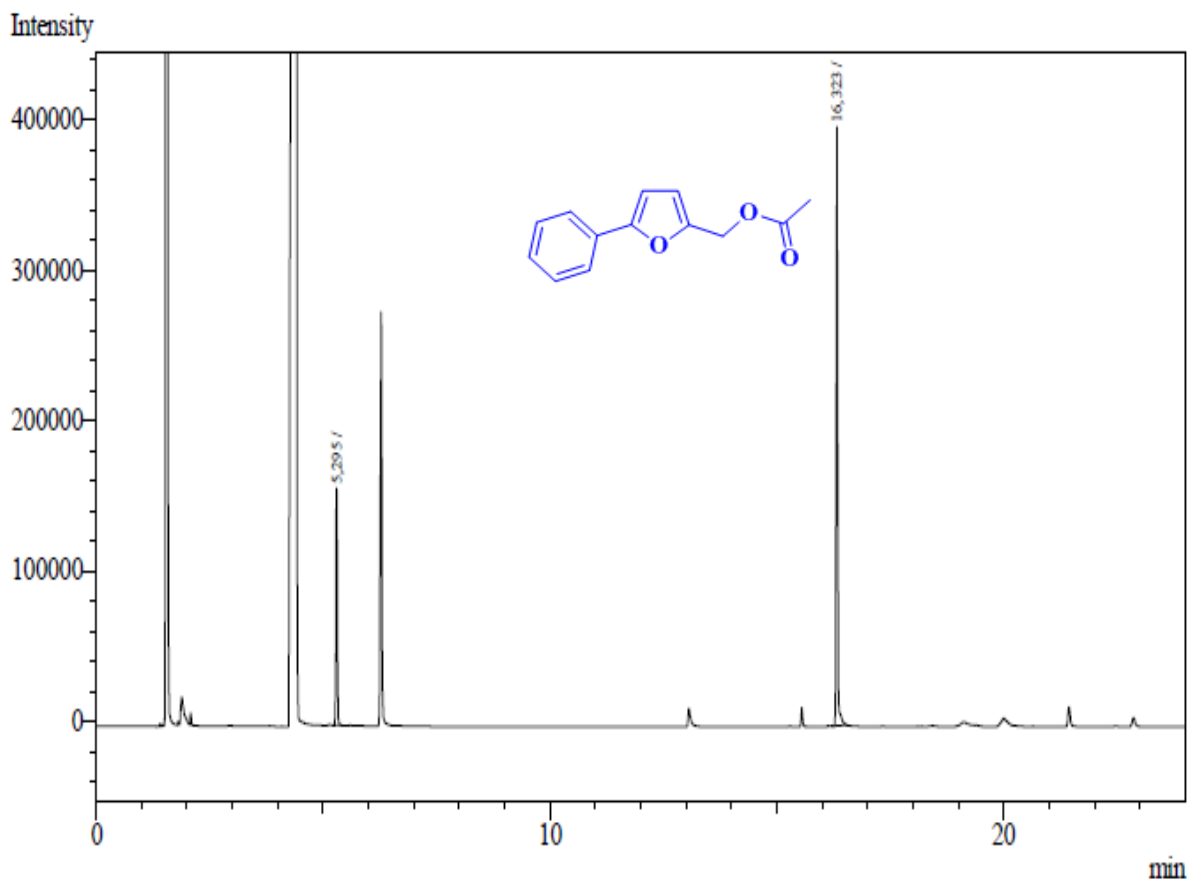




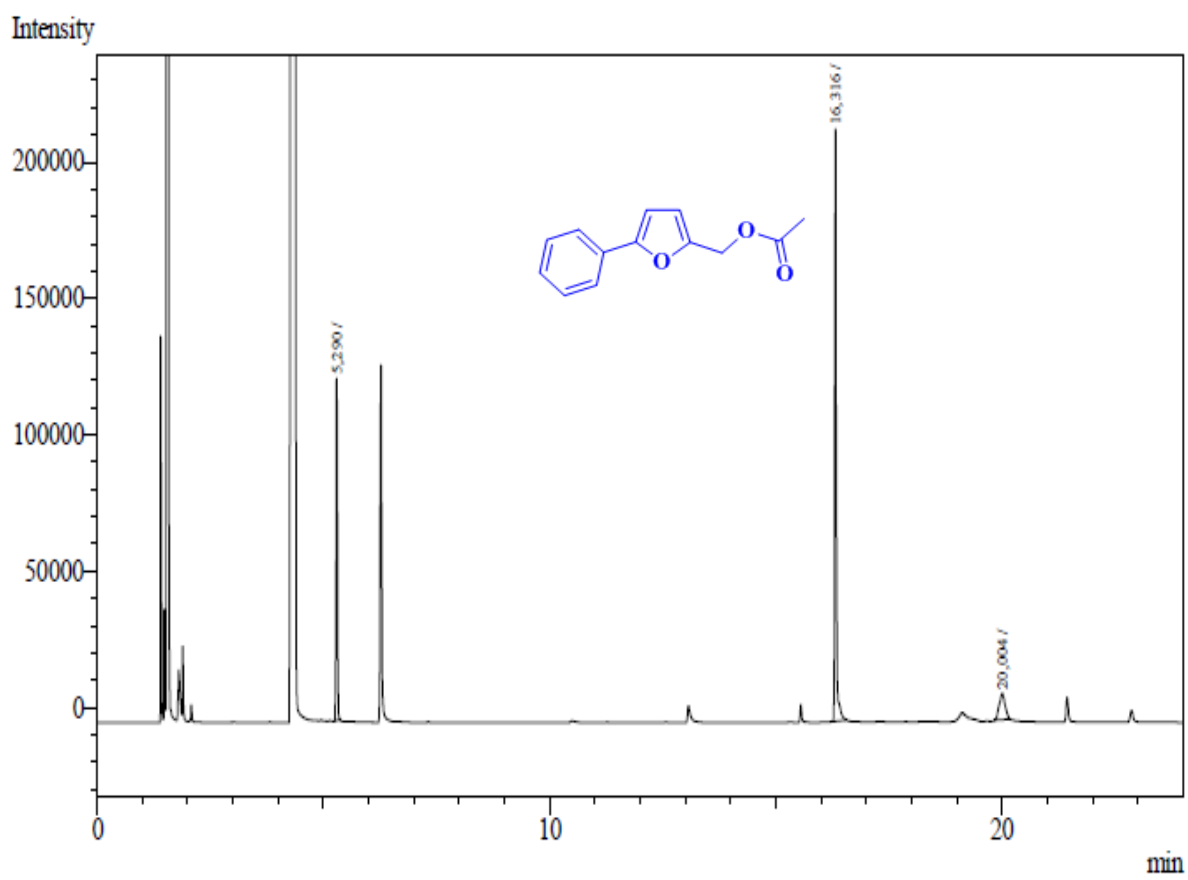
3c



3d

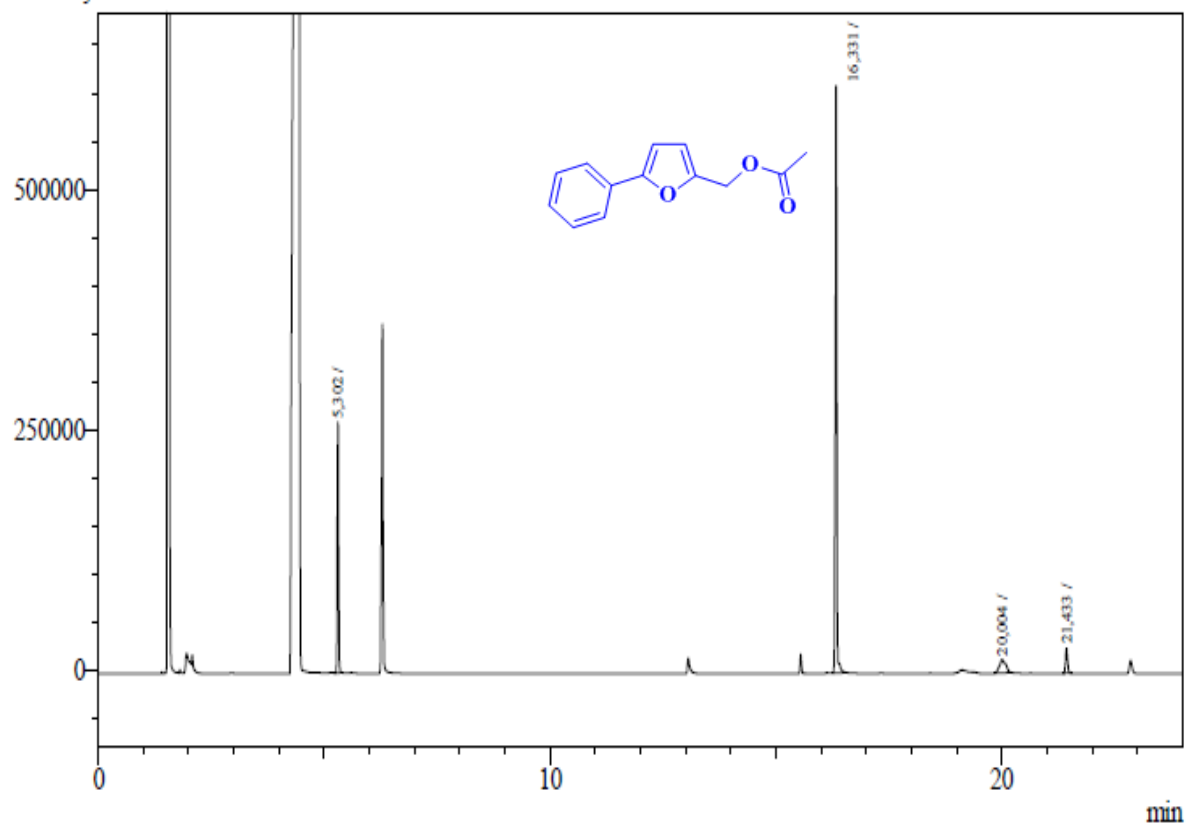


3e



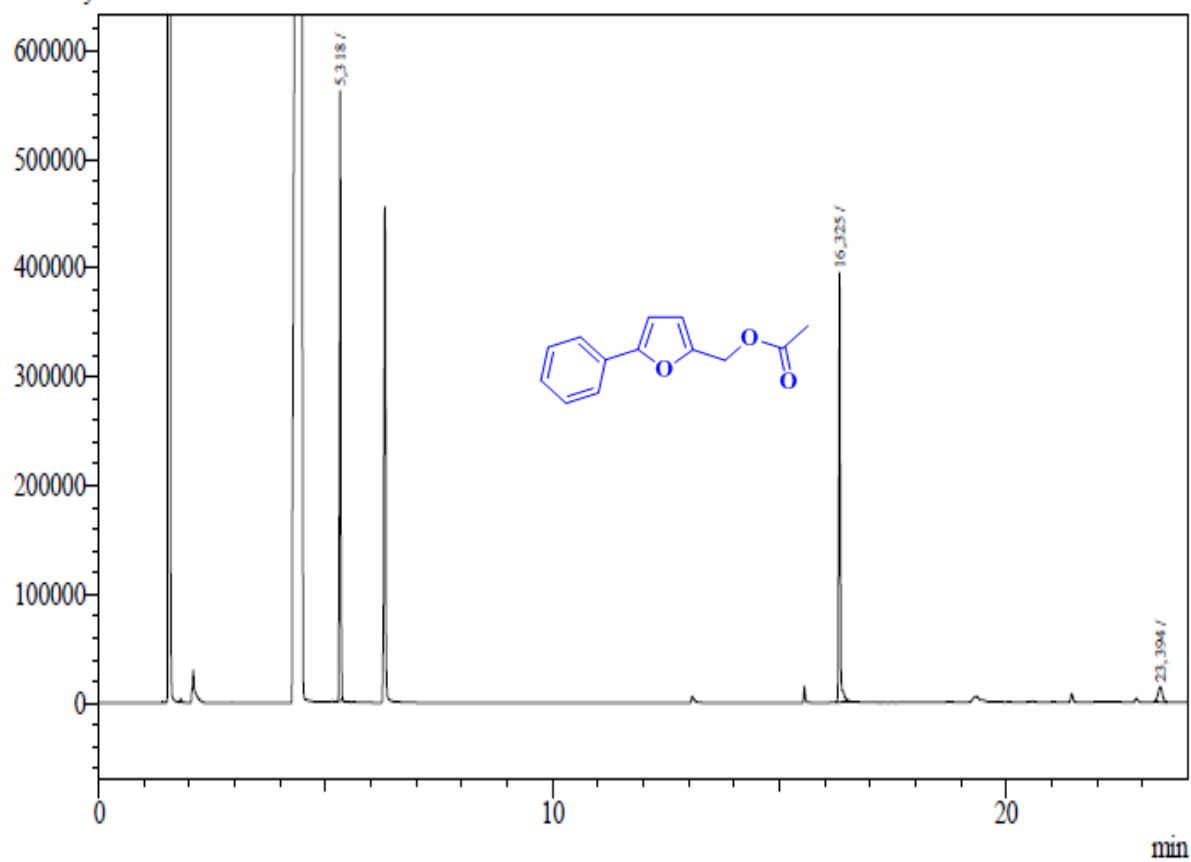
3f

Intensity

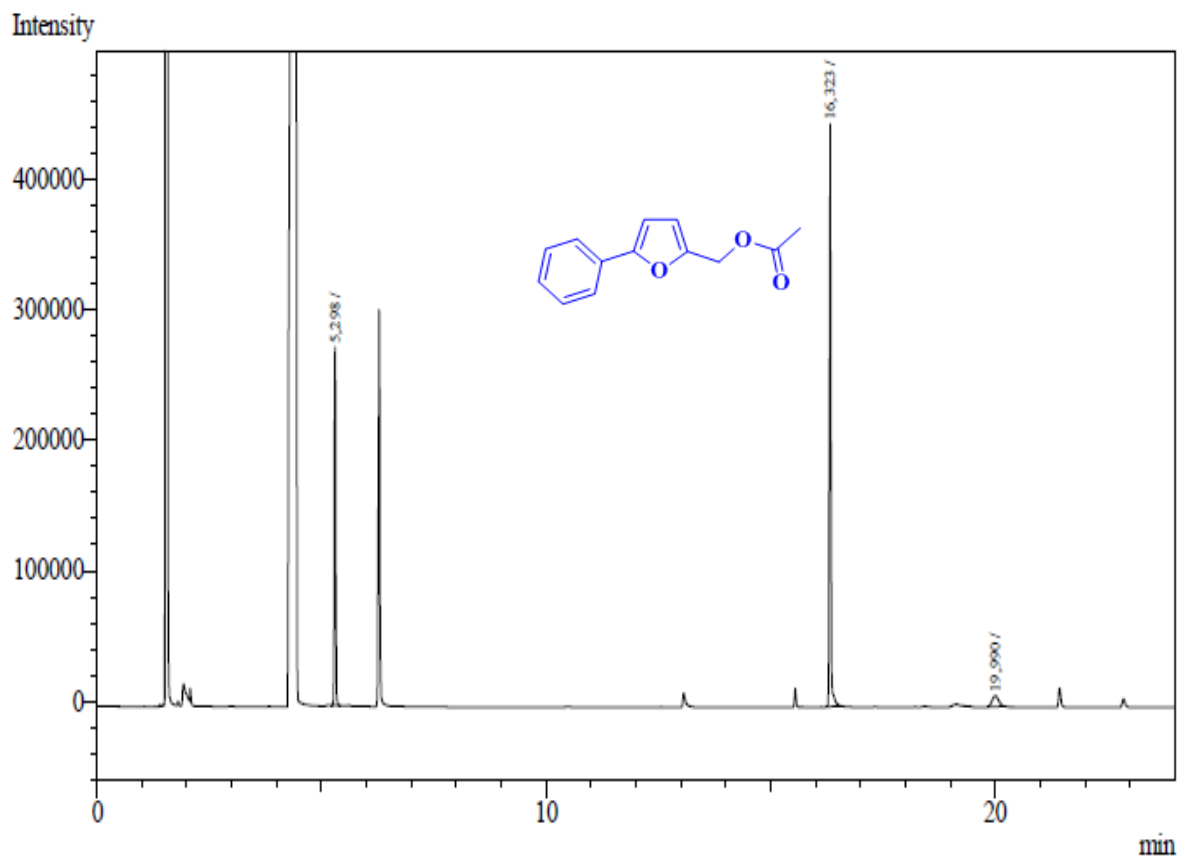


3g

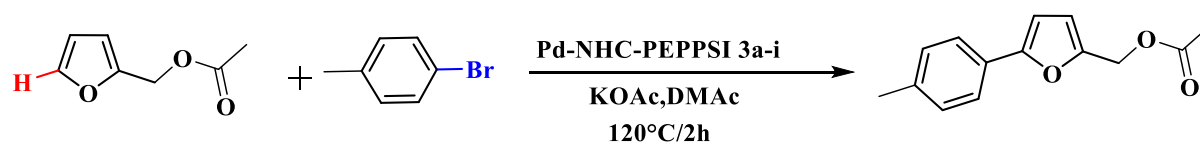
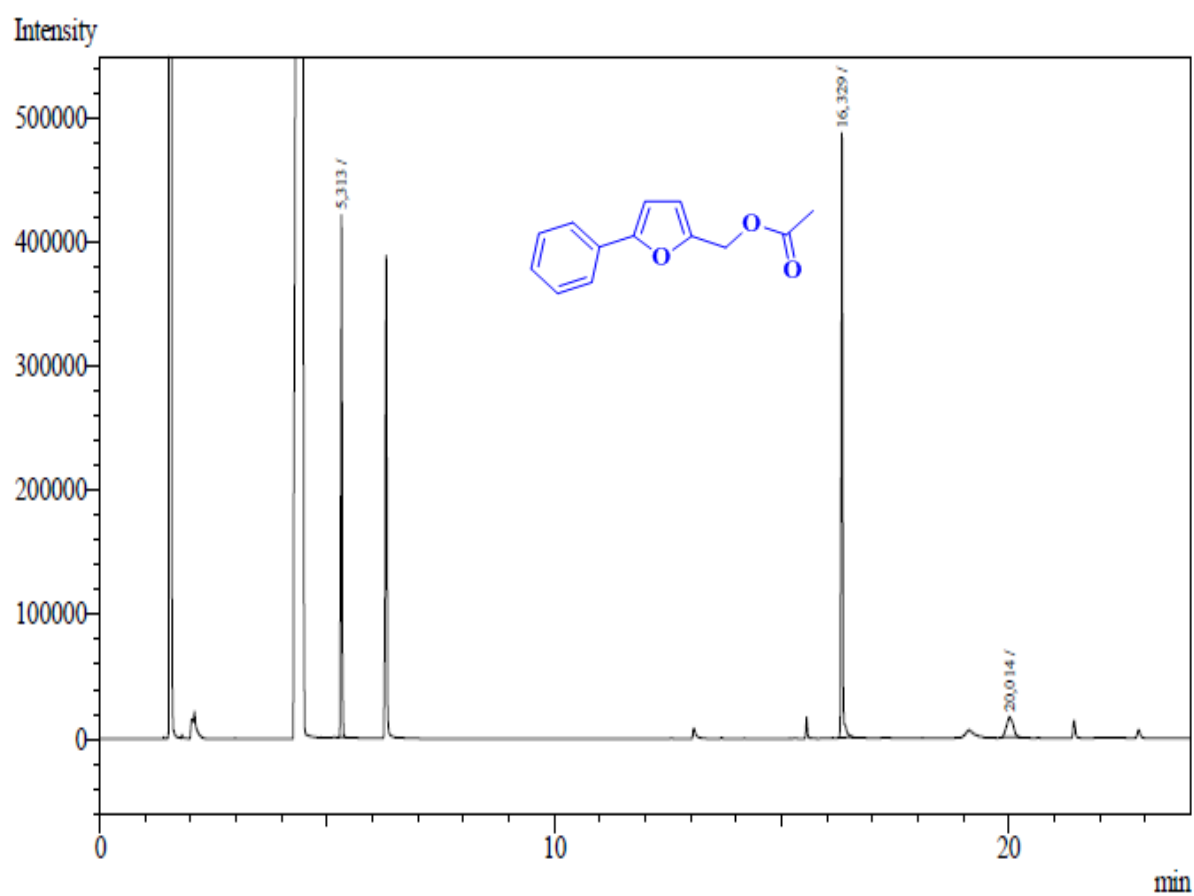
Intensity



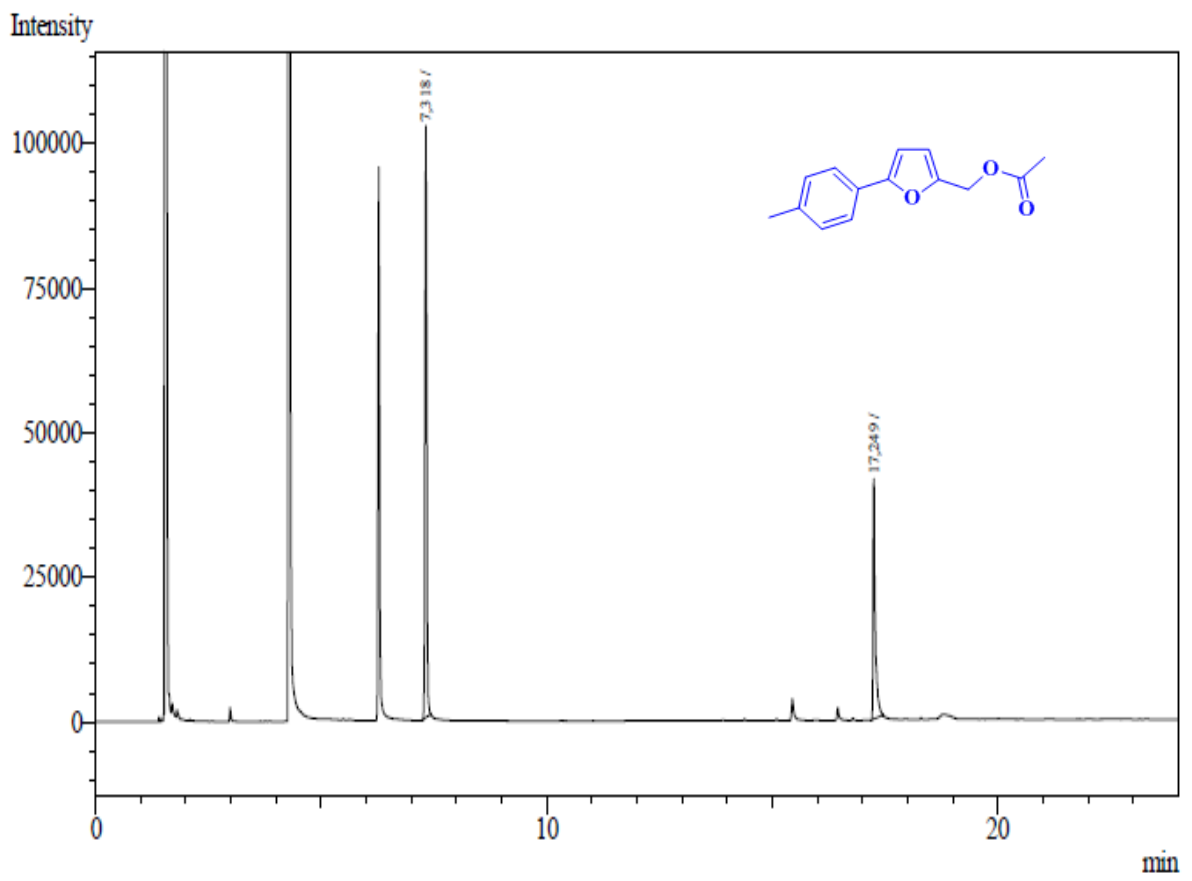
3h



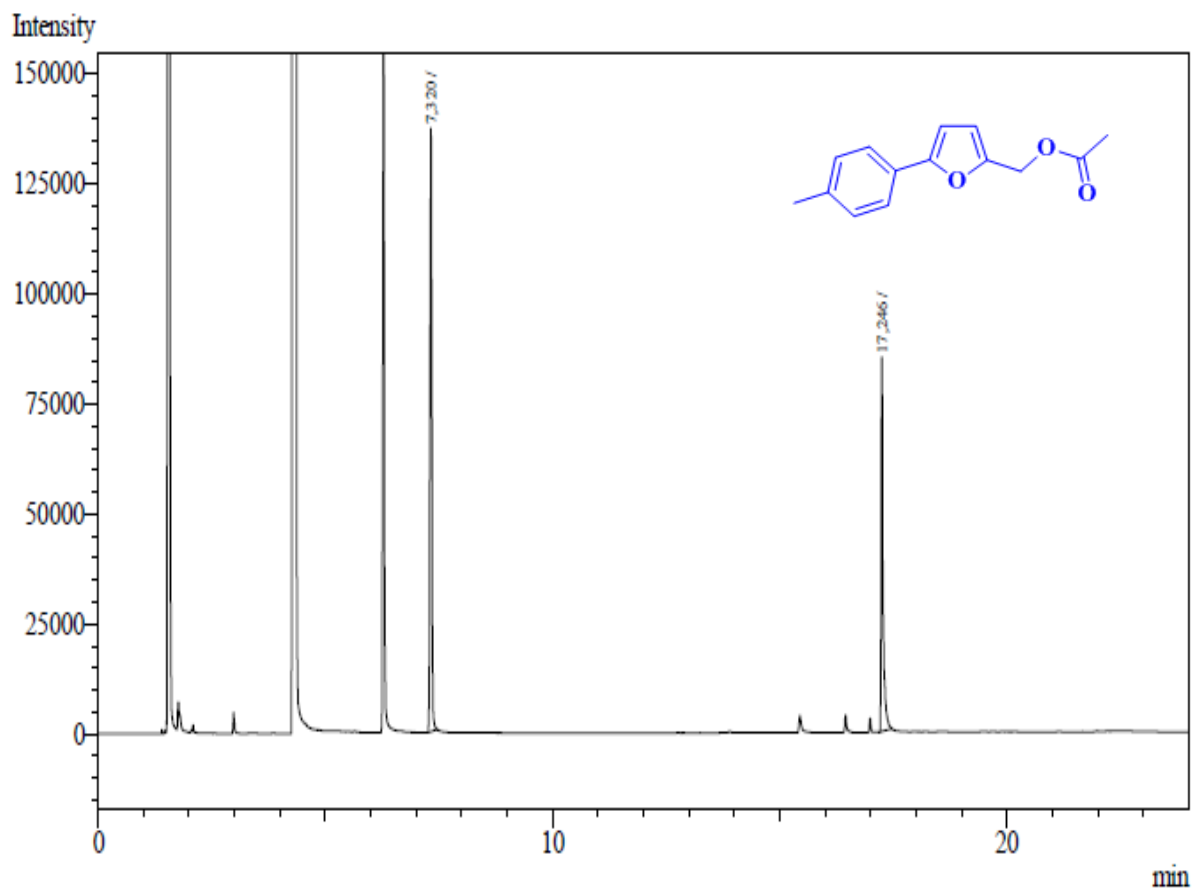
3i



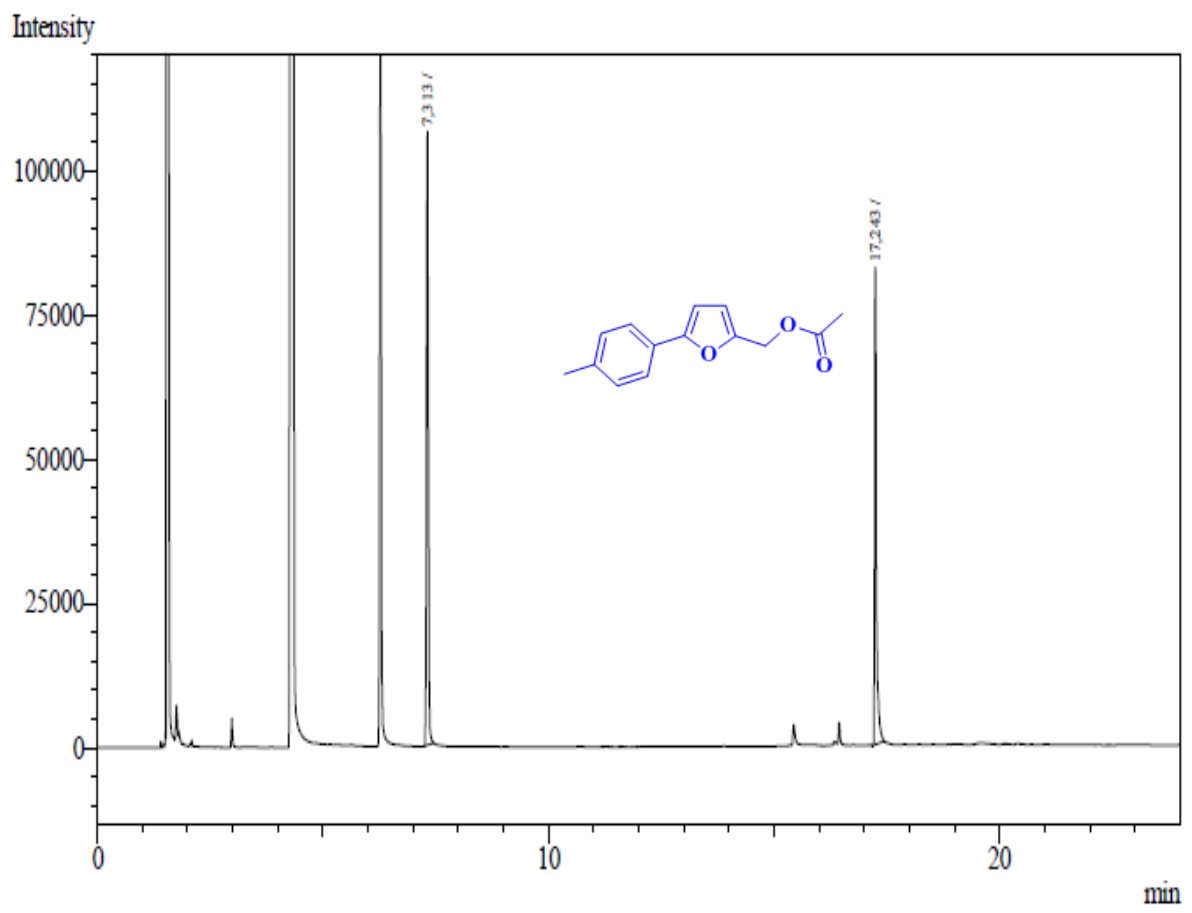
3a



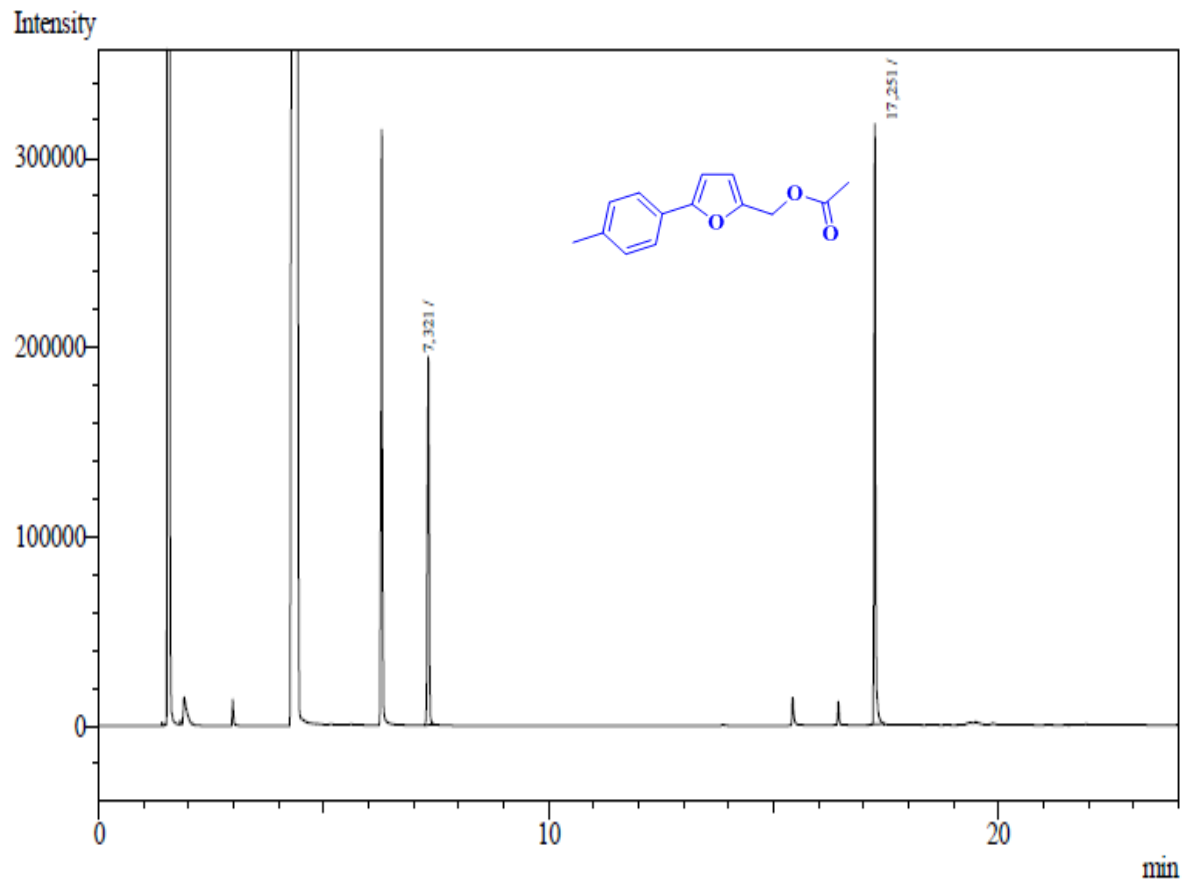
3b



3c

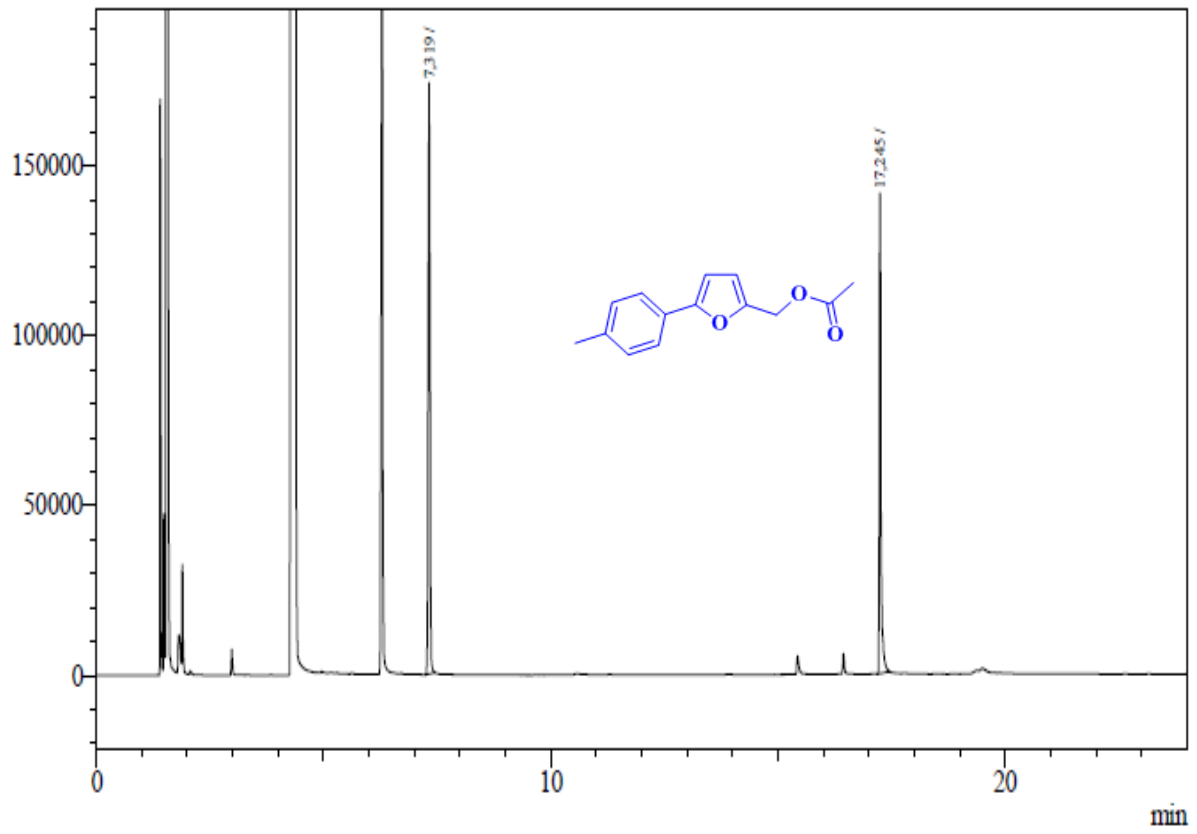


3d



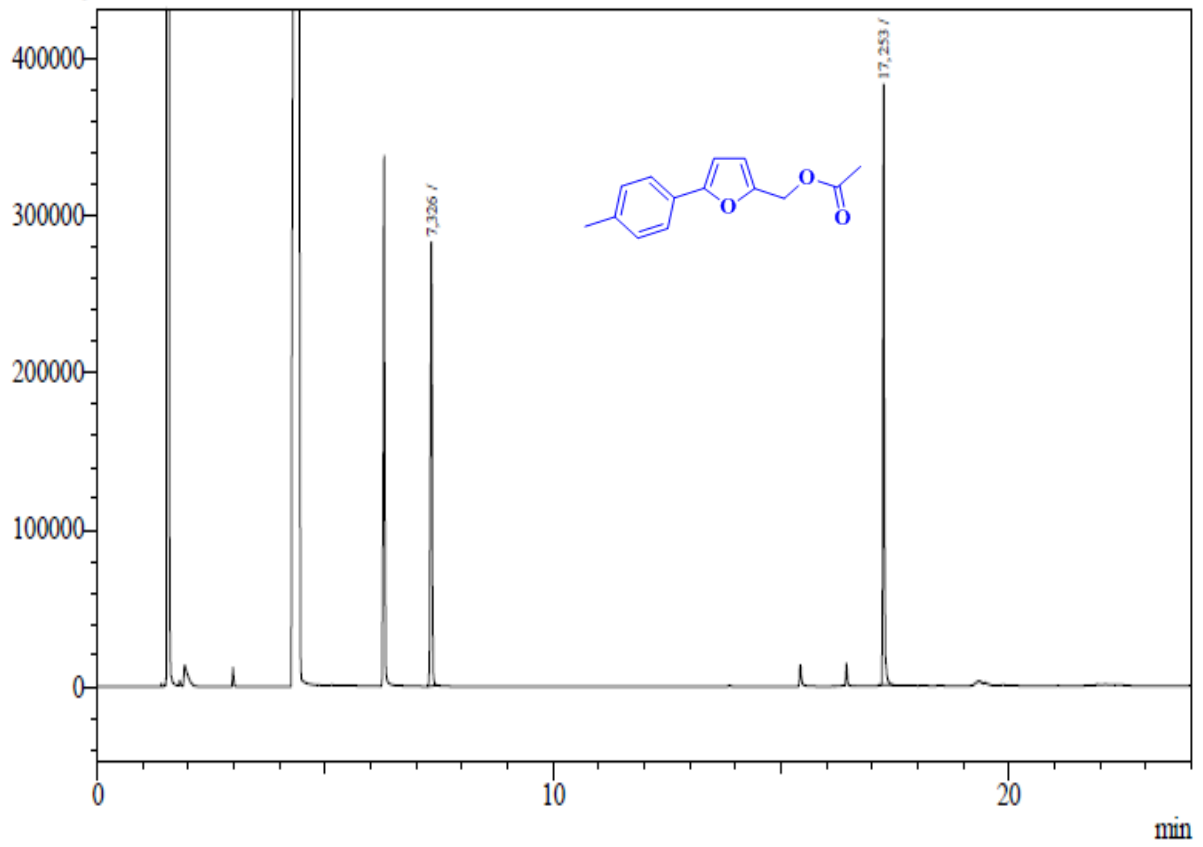
3e

Intensity

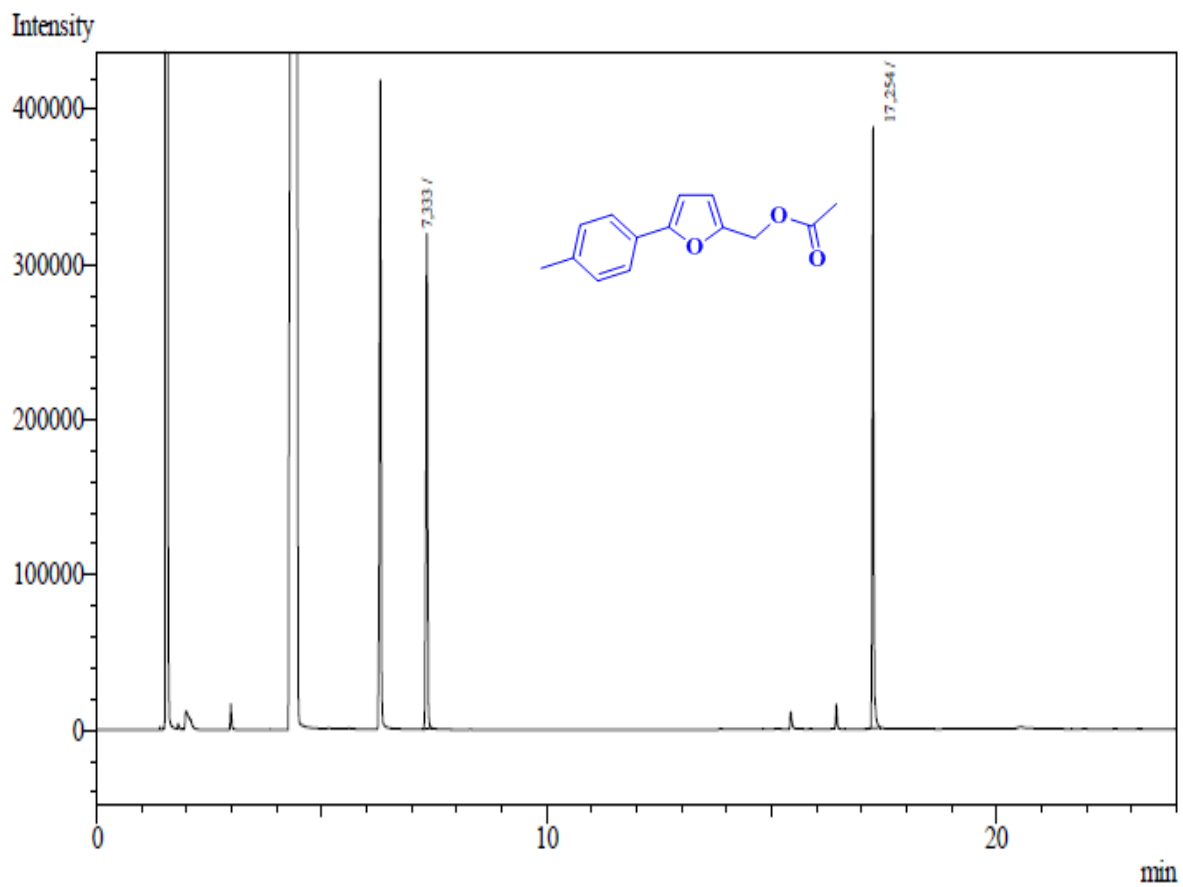


3f

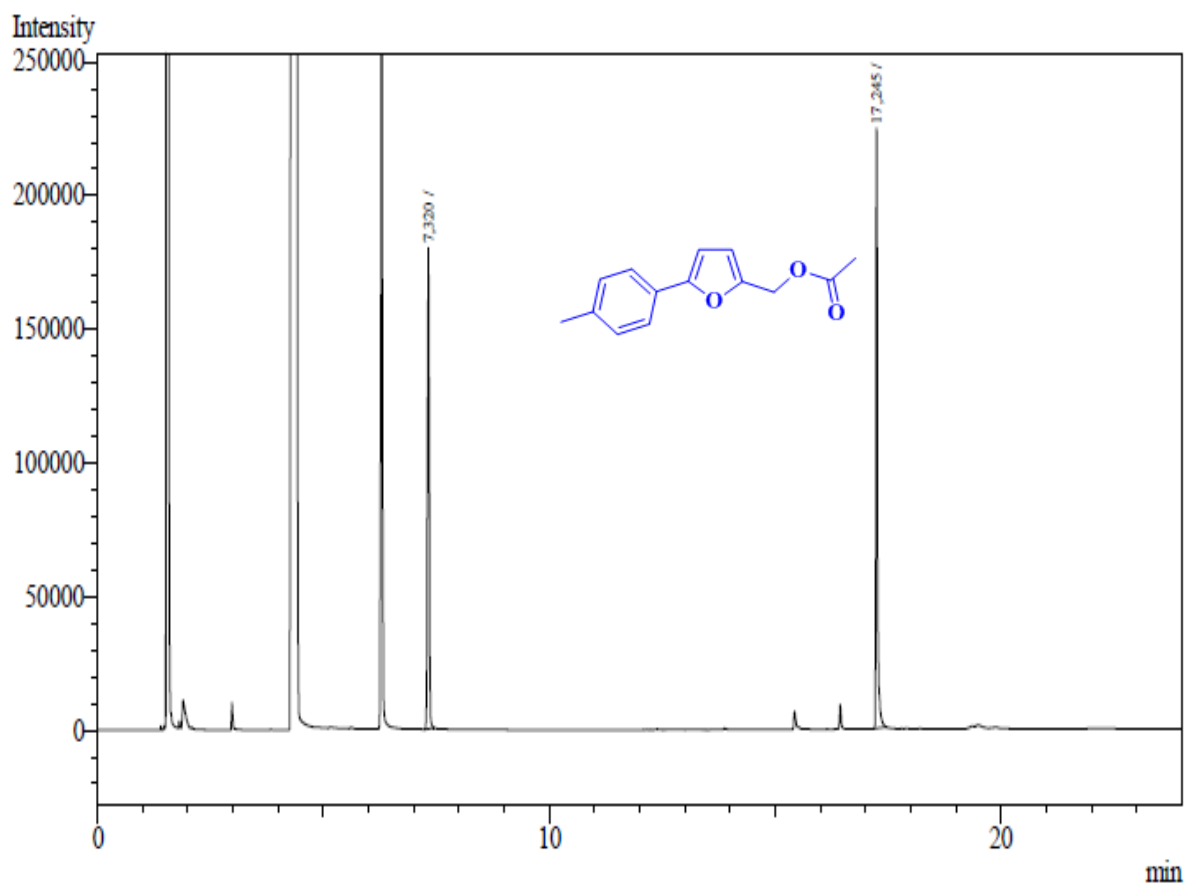
Intensity



3g

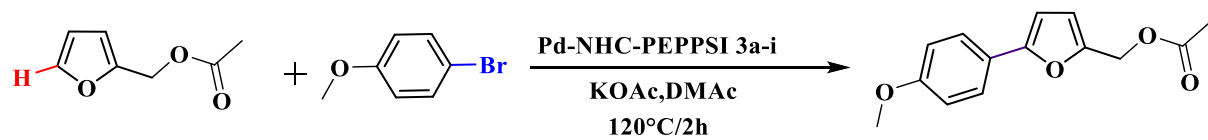
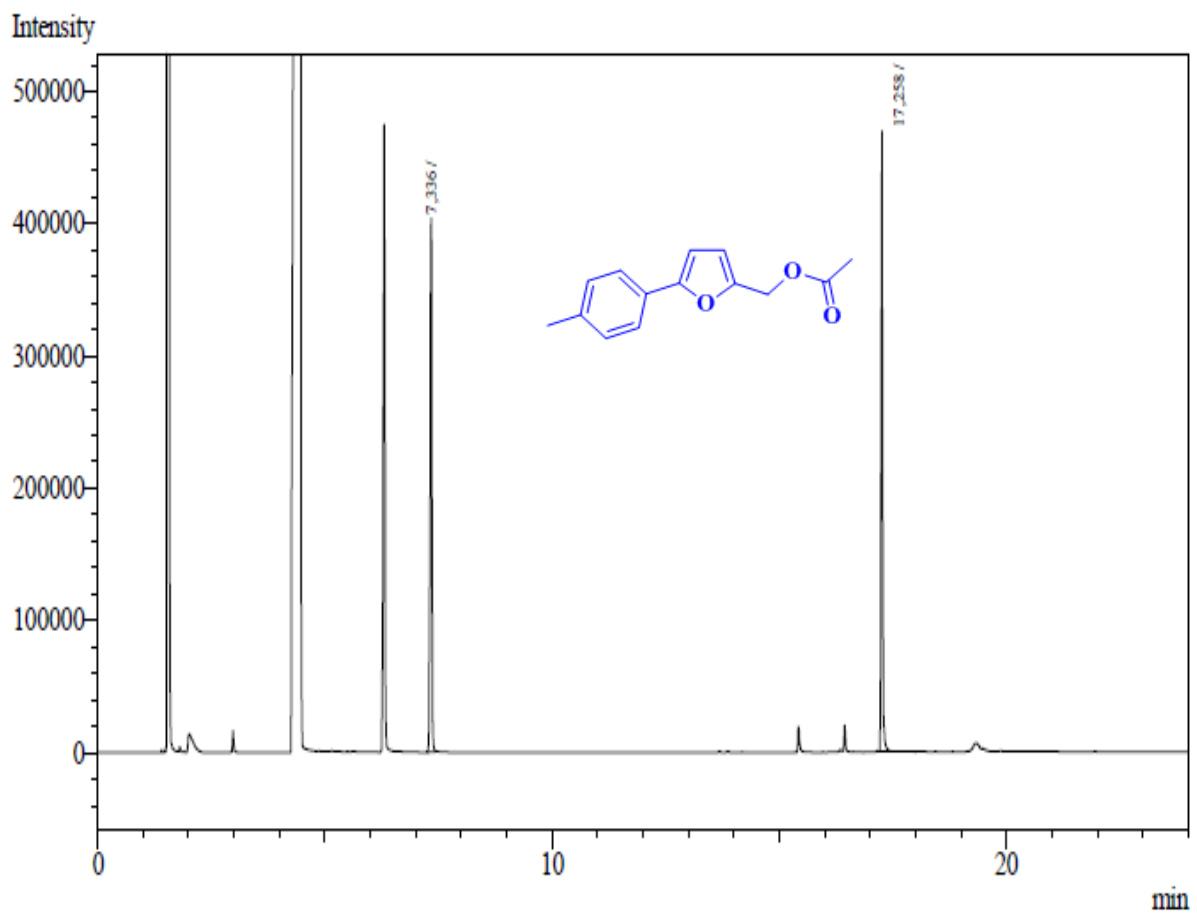


3h

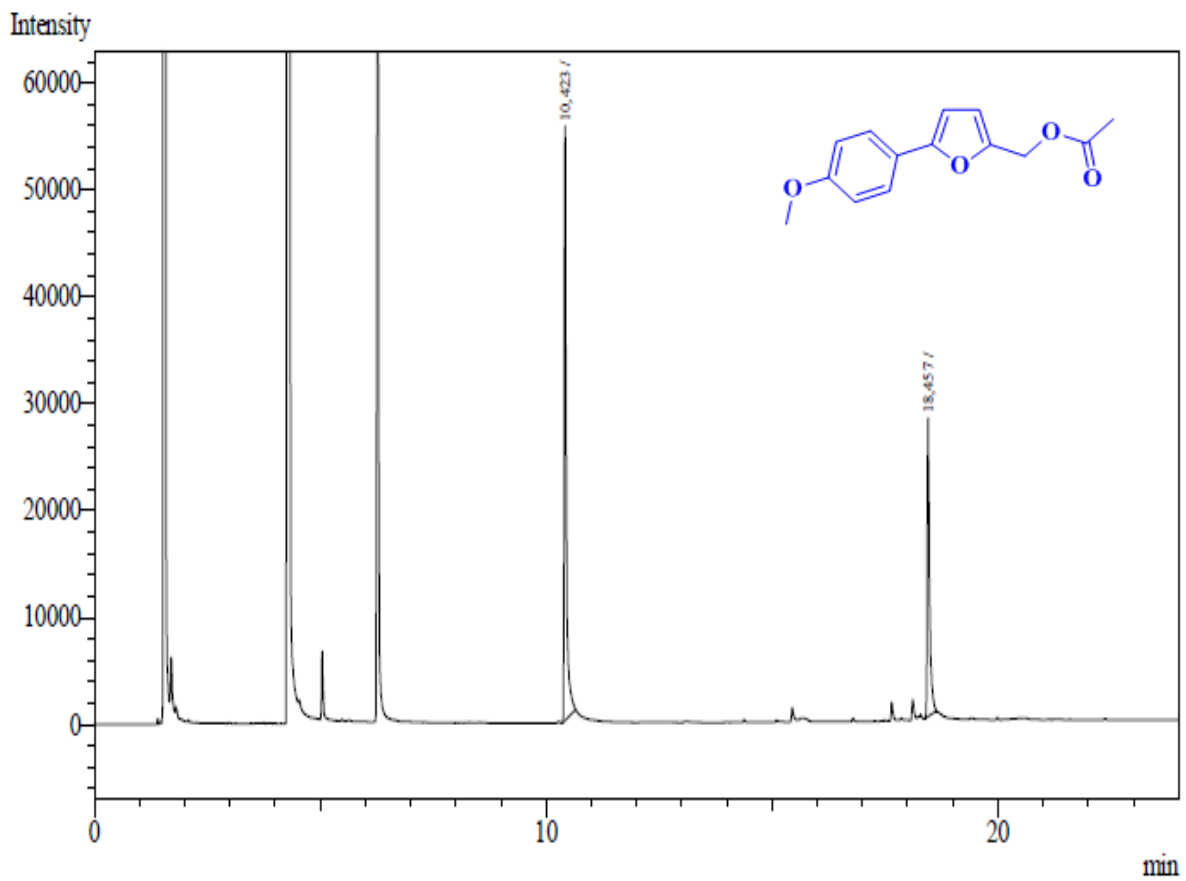


3i



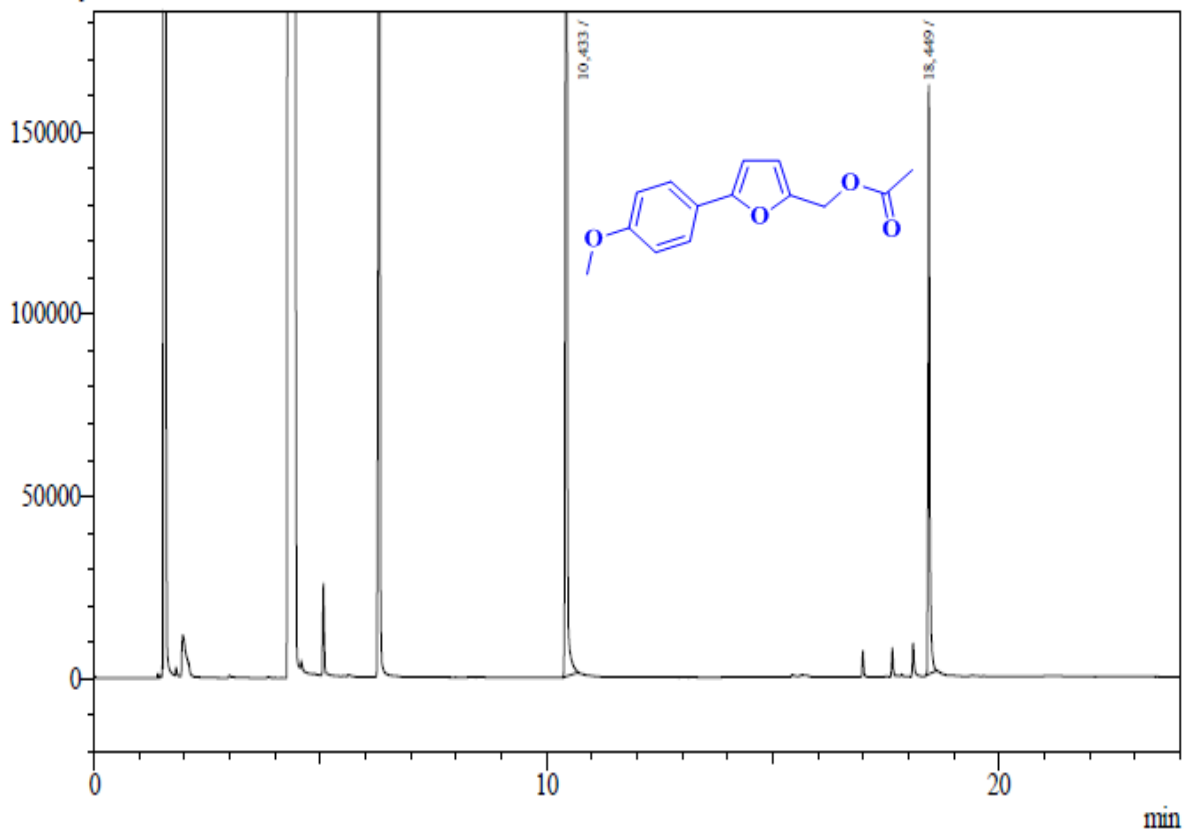


3a



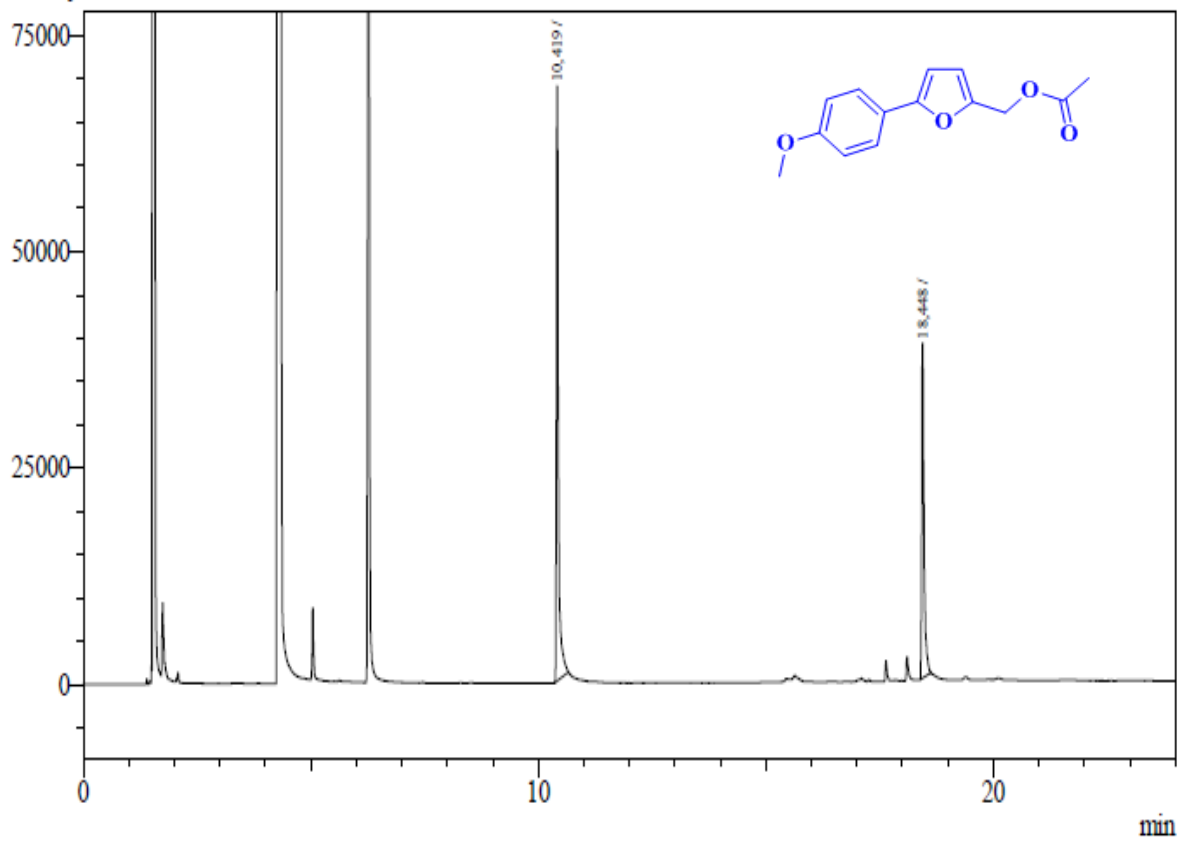
3b

Intensity

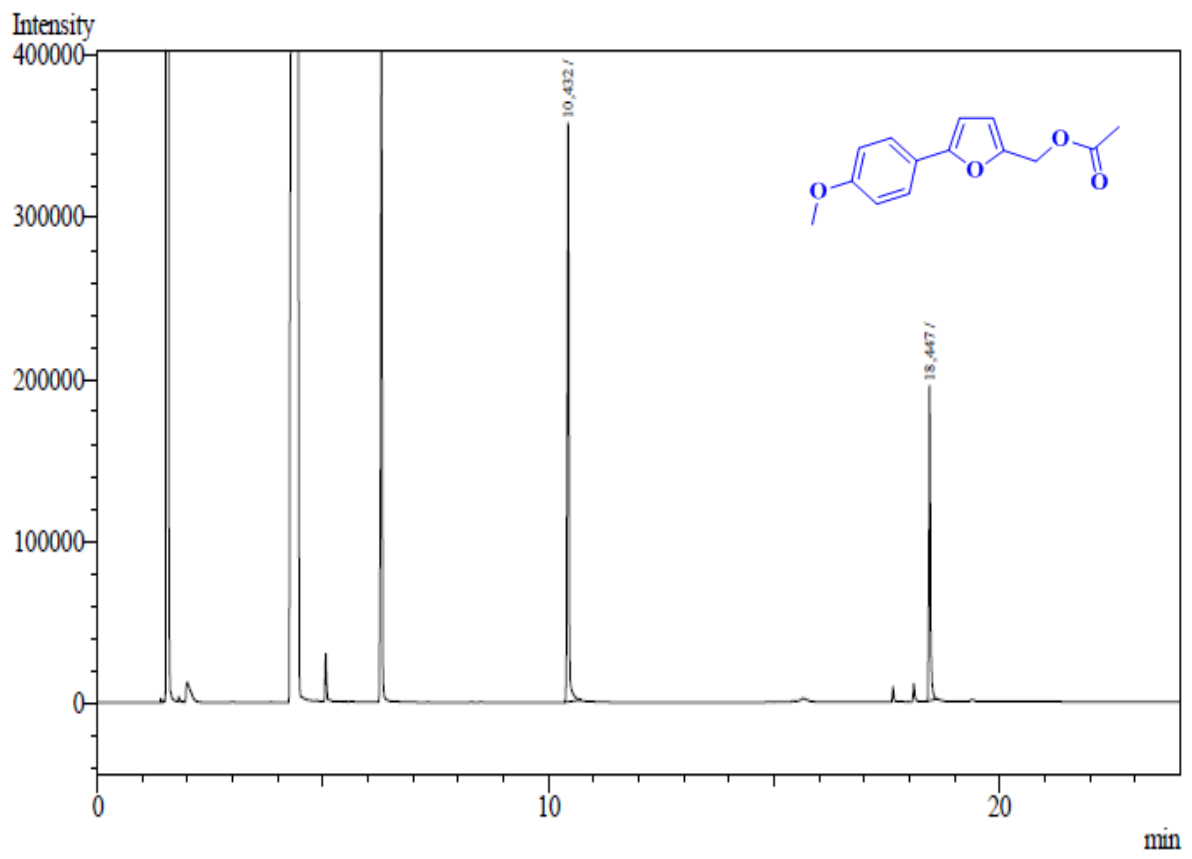


3c

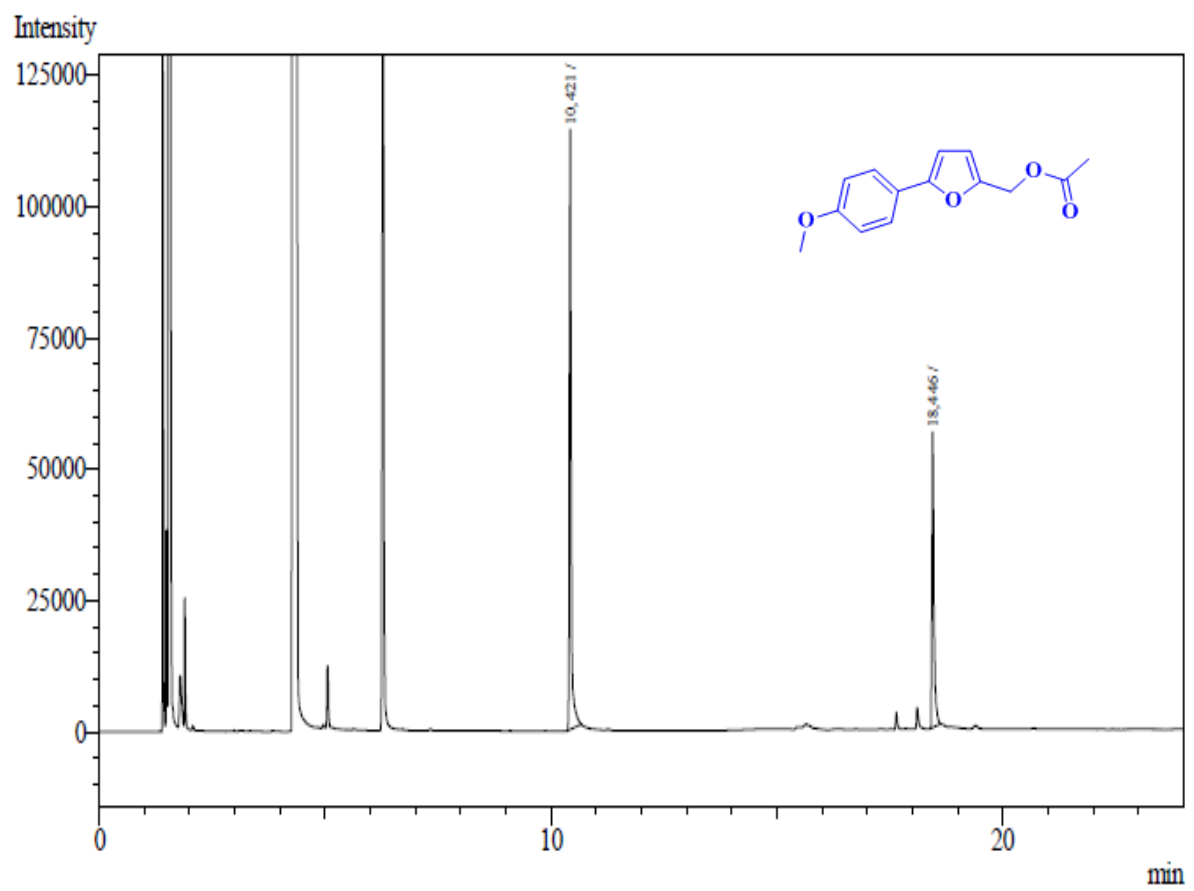
Intensity



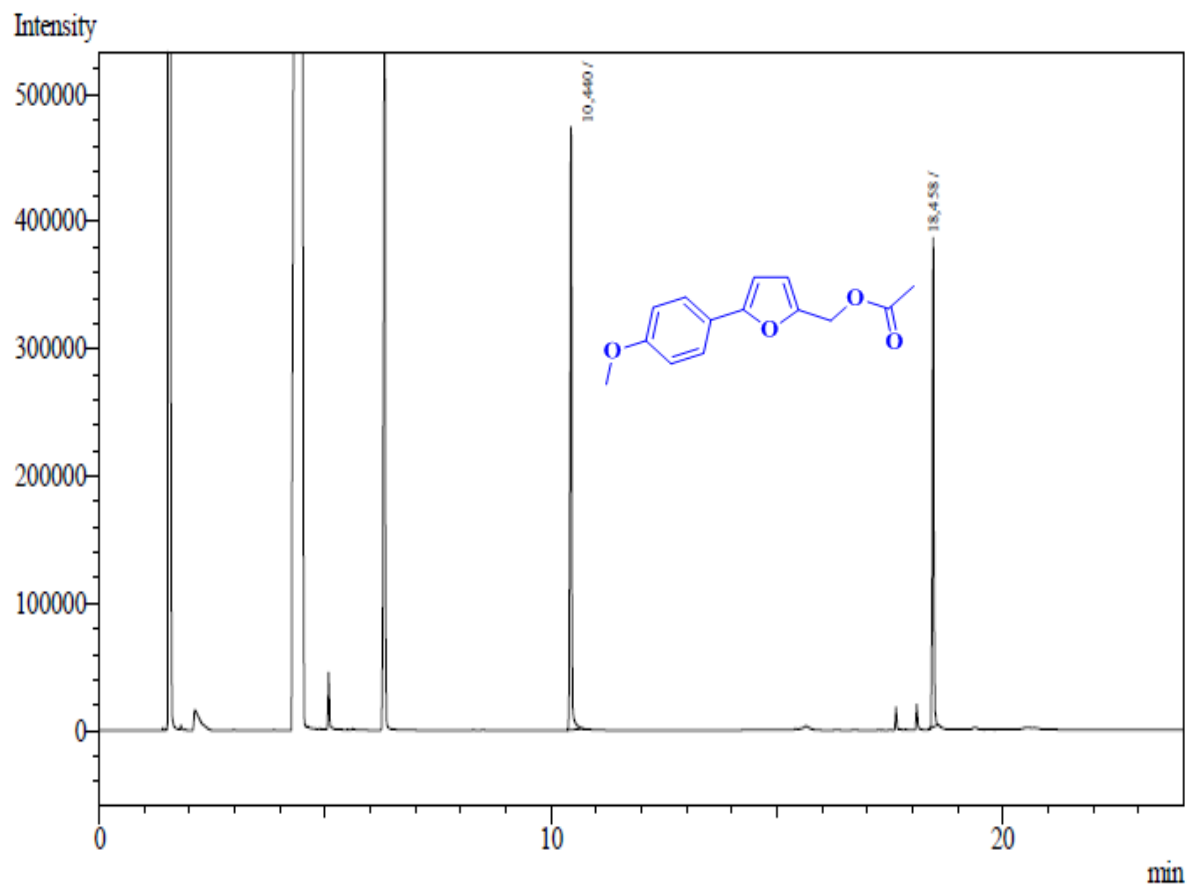
3d



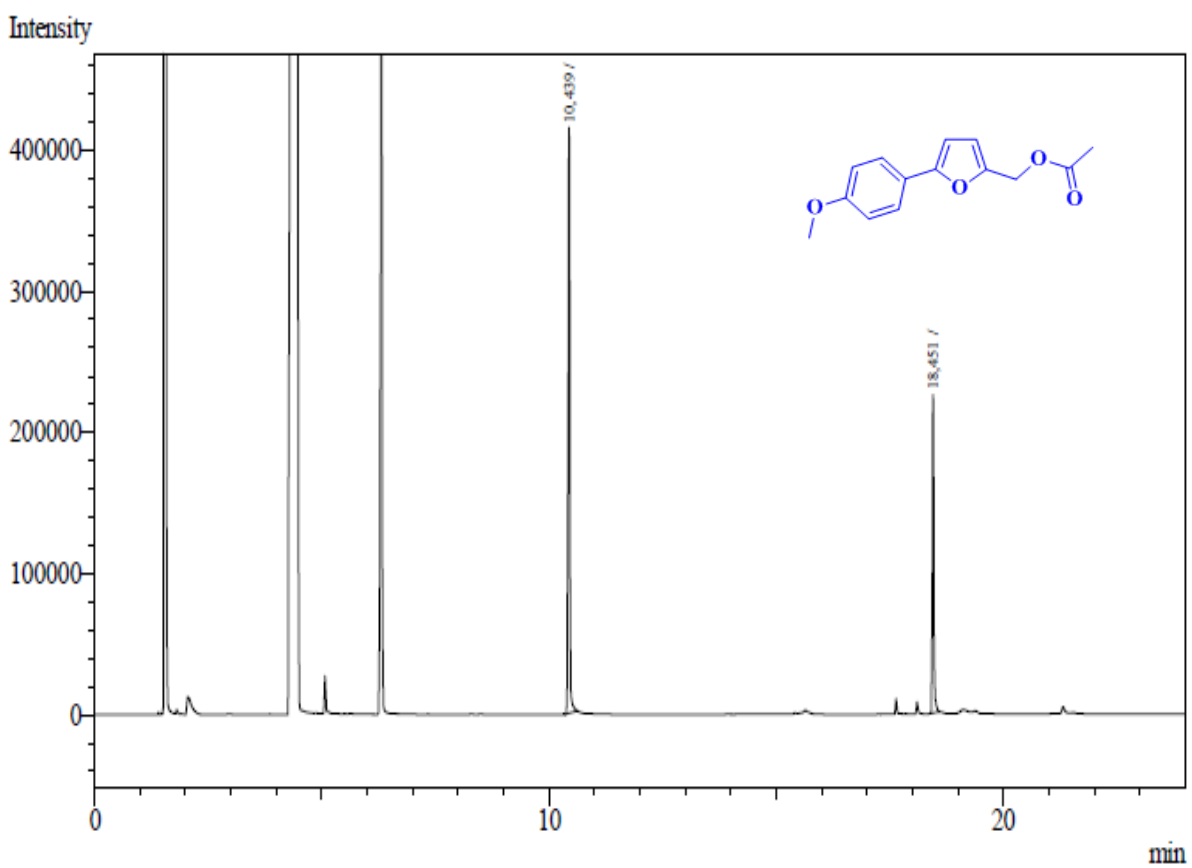
3e



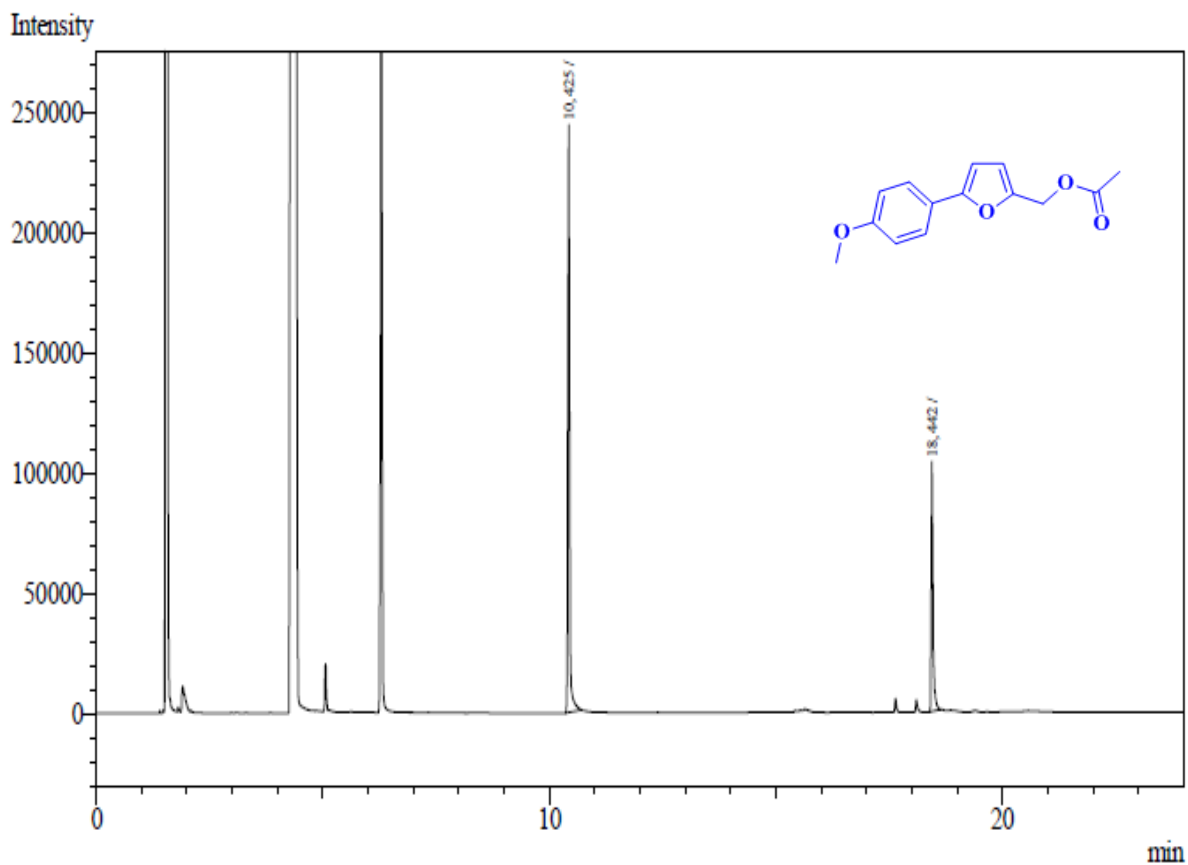
3f



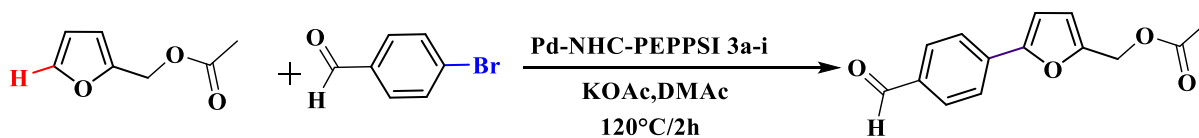
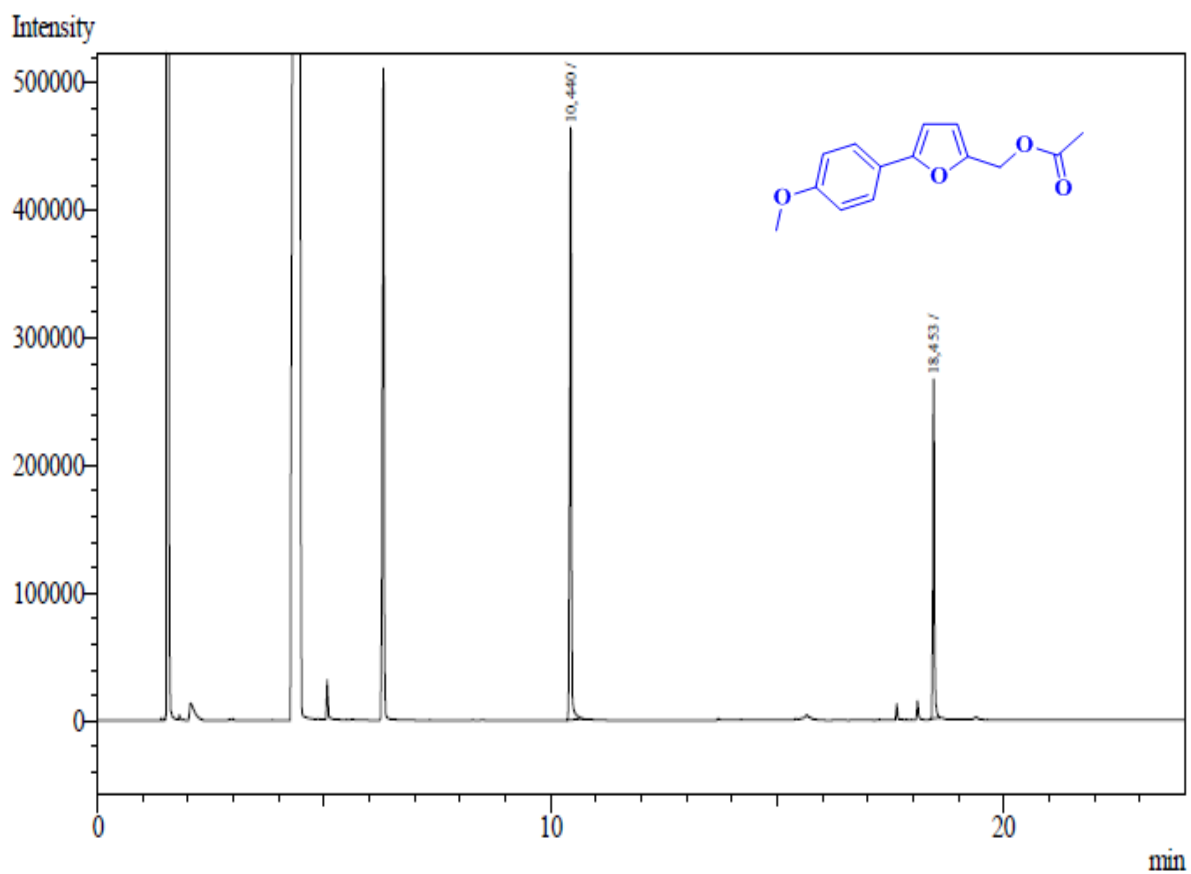
3g



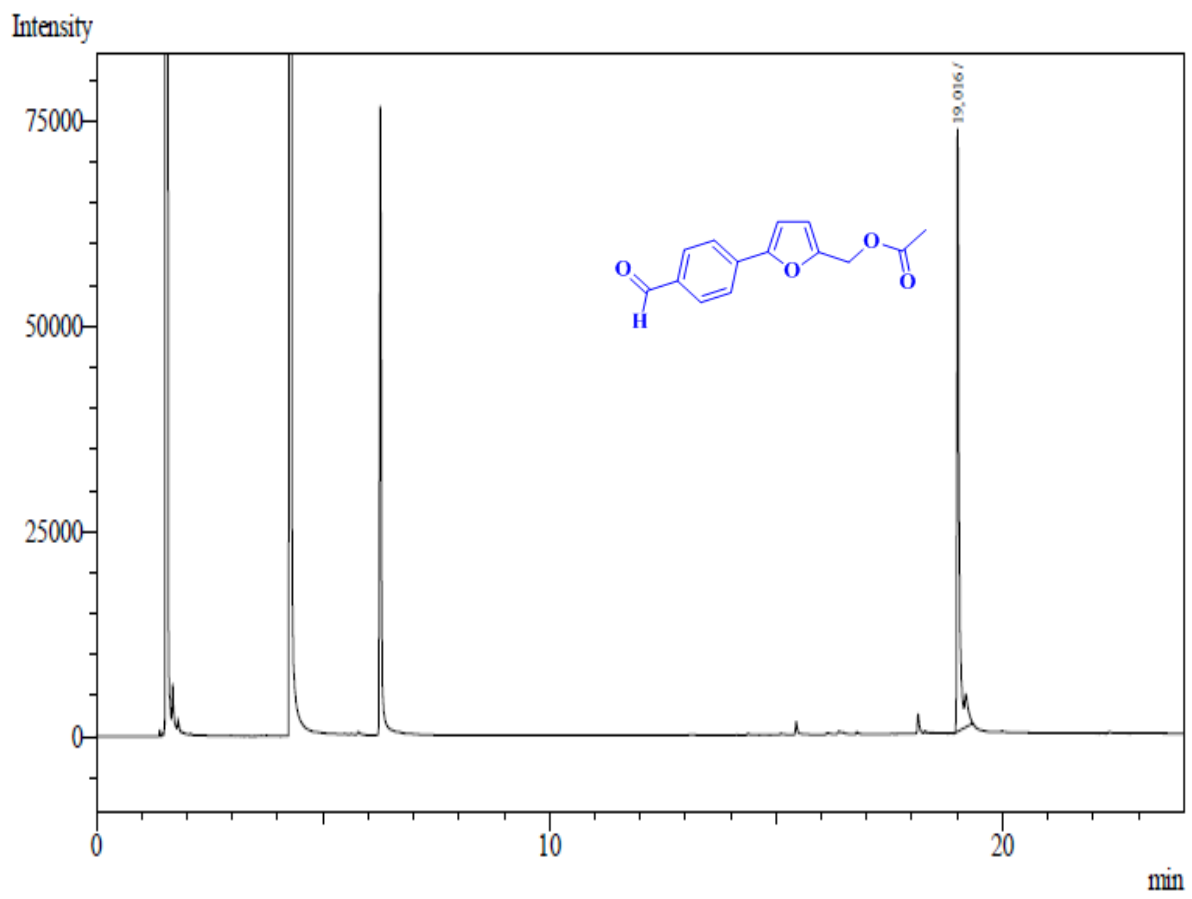
3h



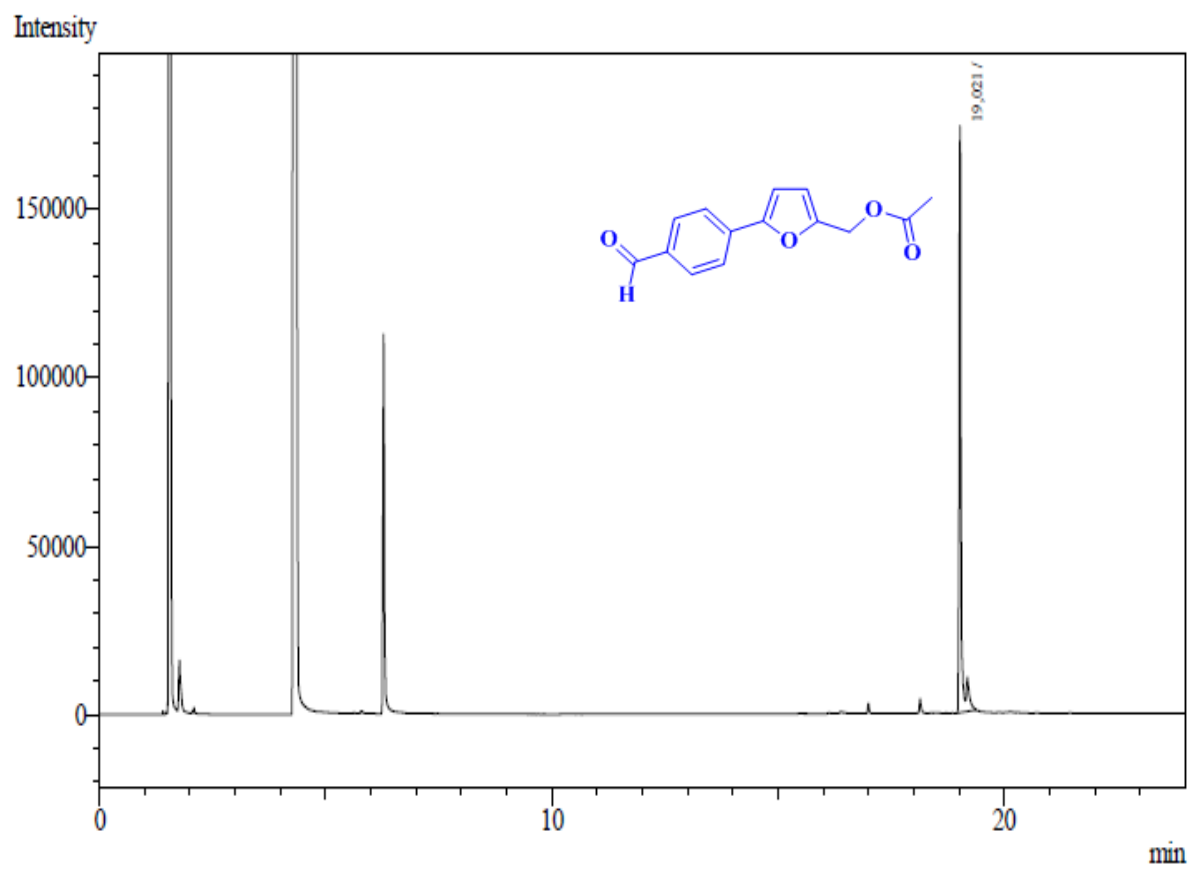
3i



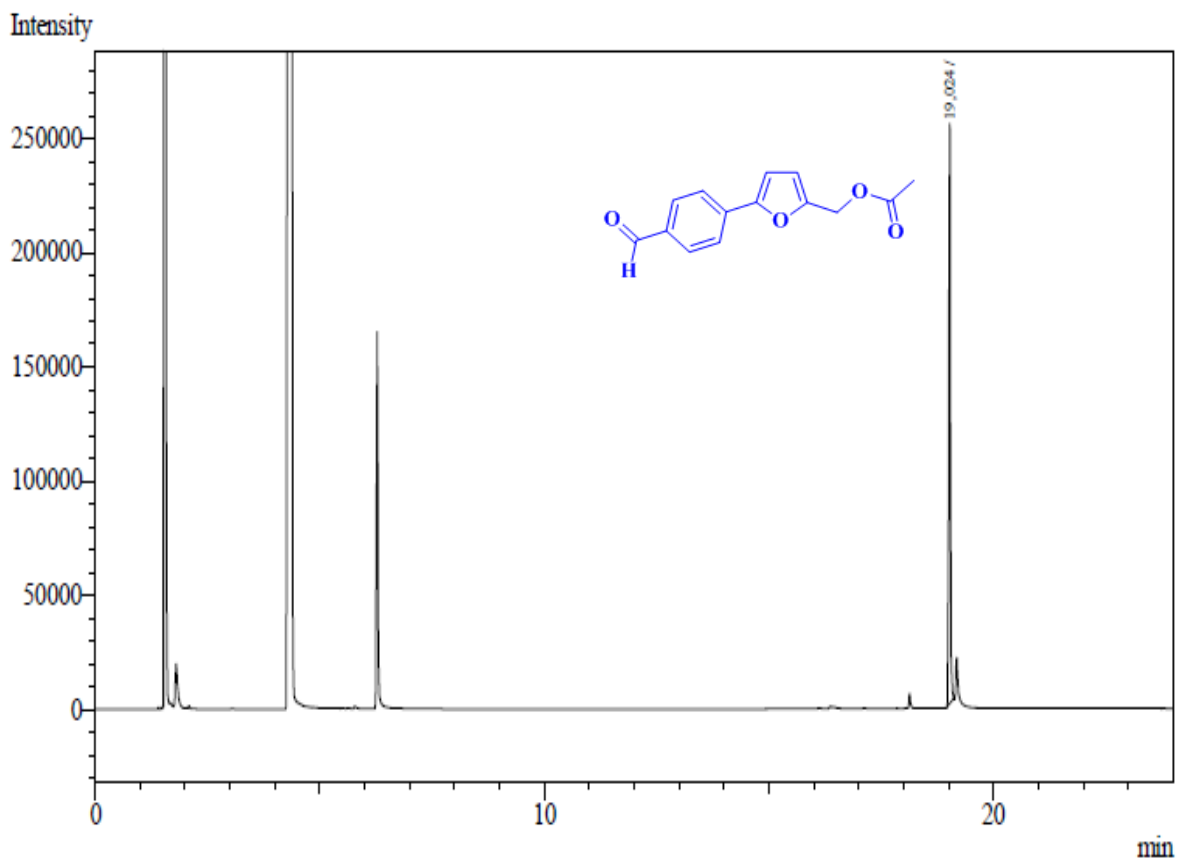
3a



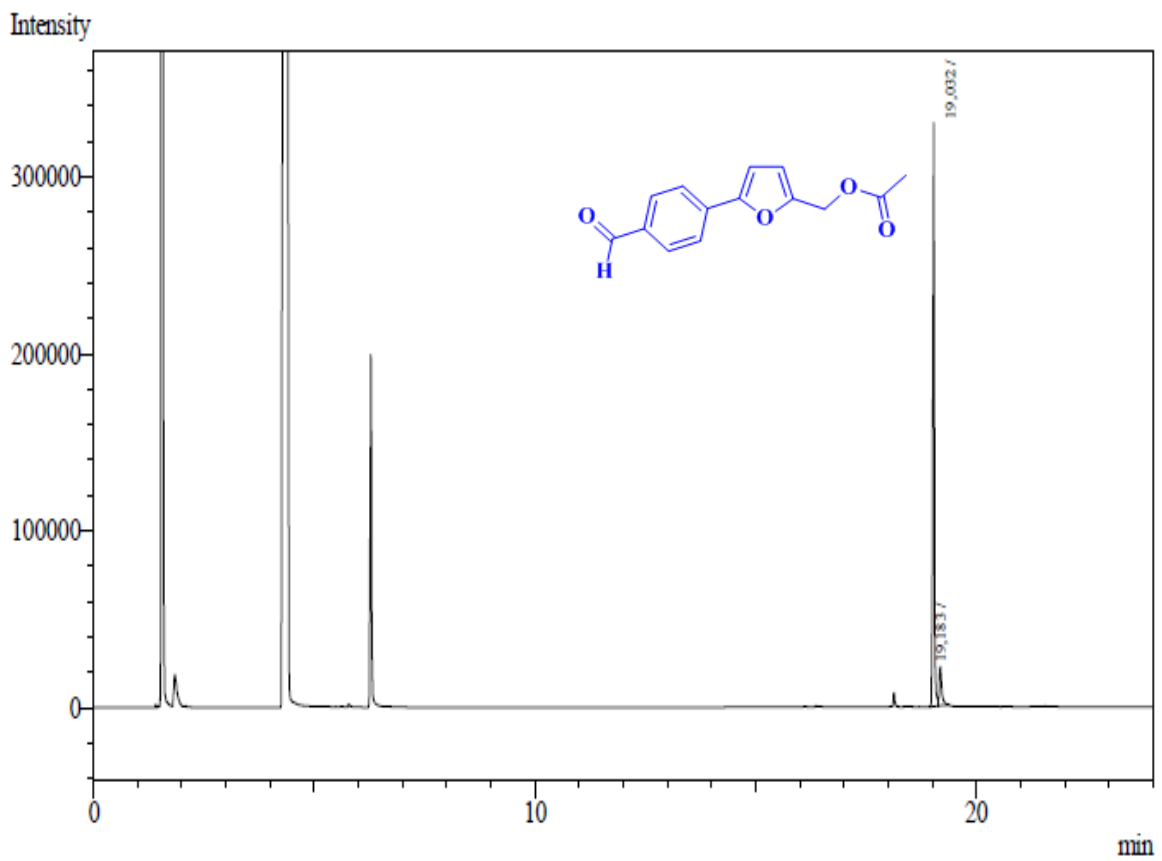
3b



3c

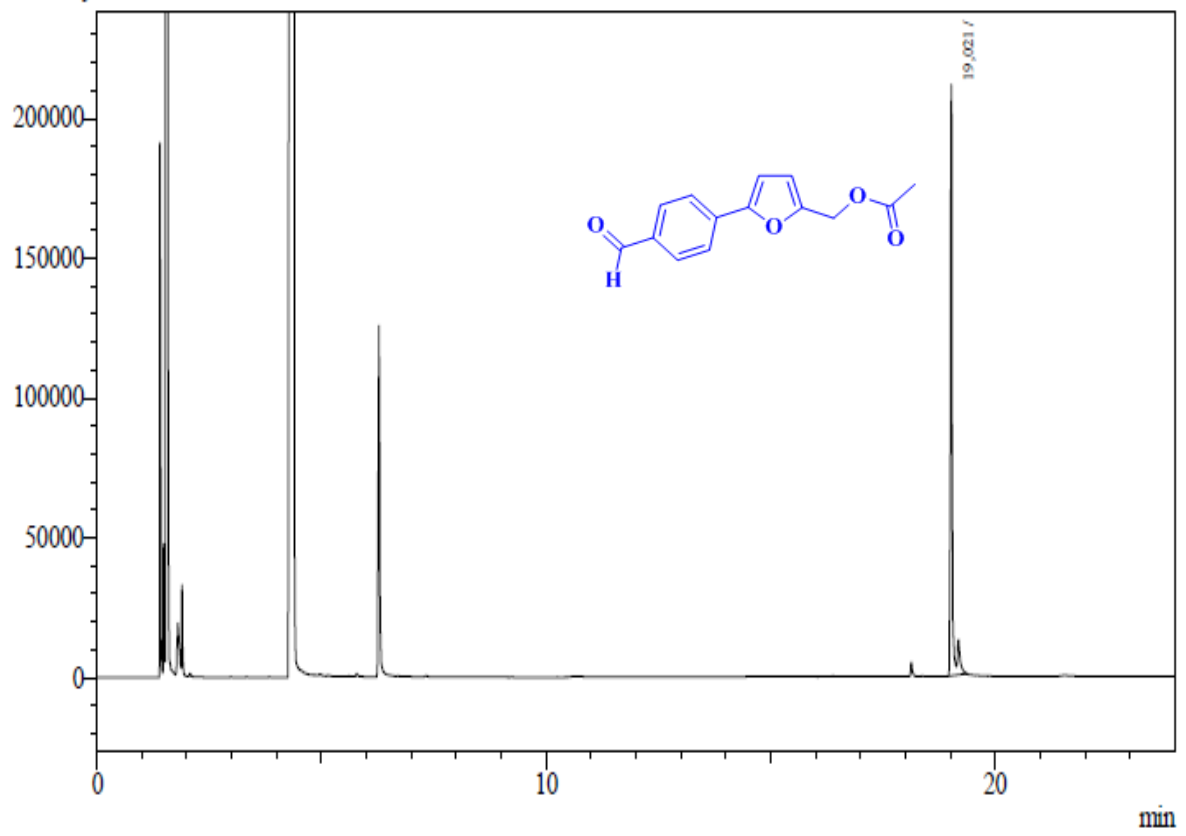


3d



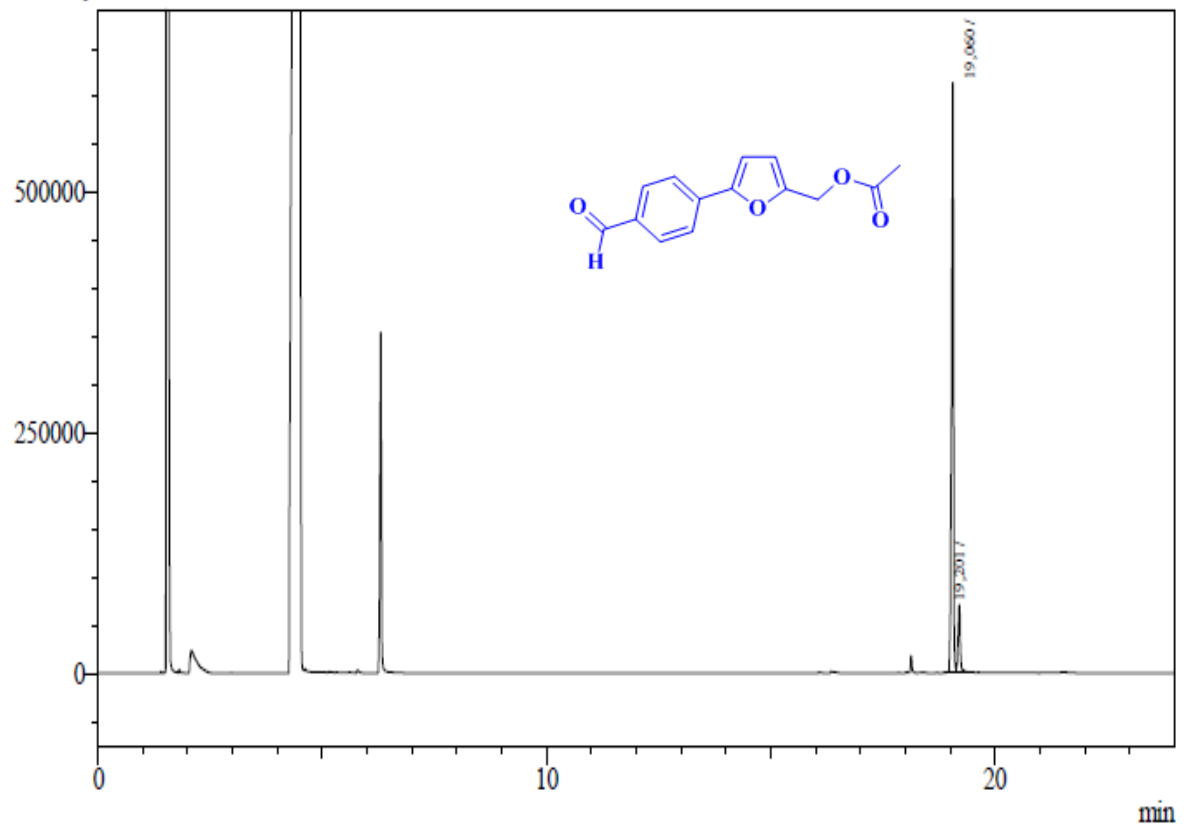
3e

Intensity



2f

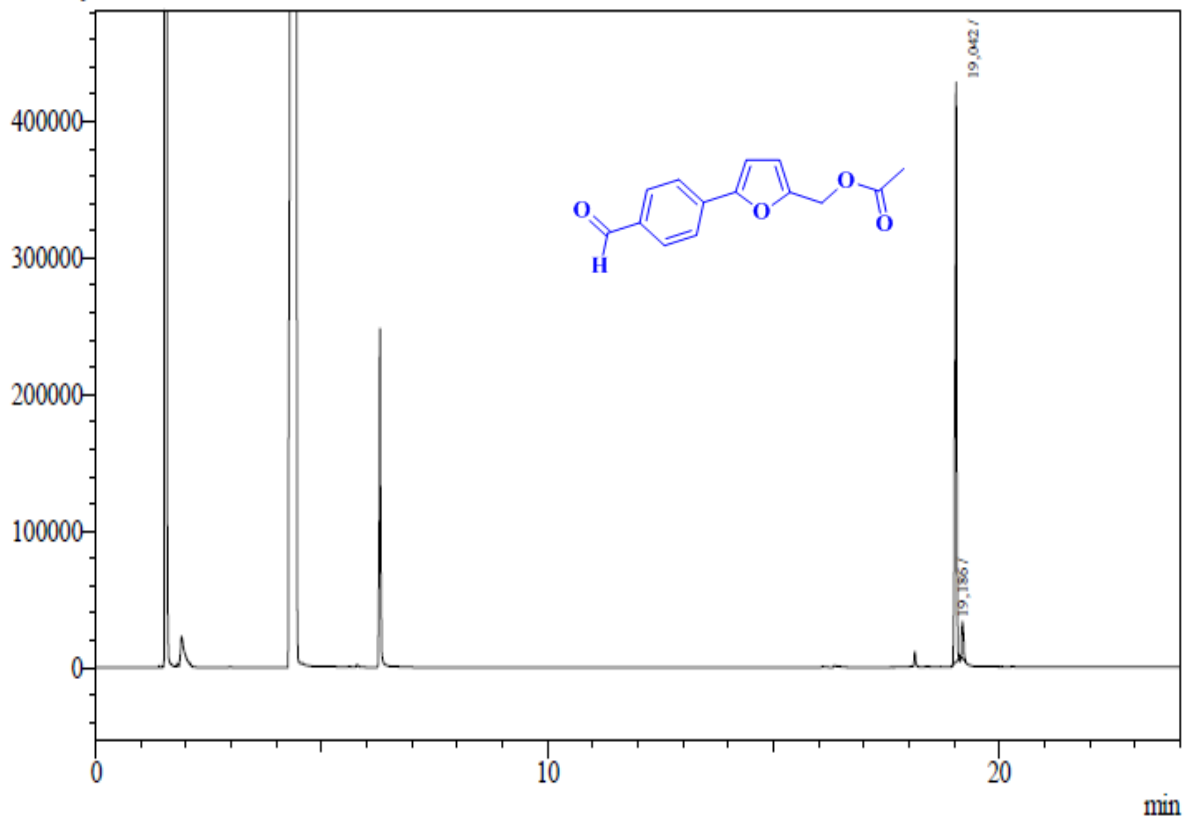
Intensity



3g

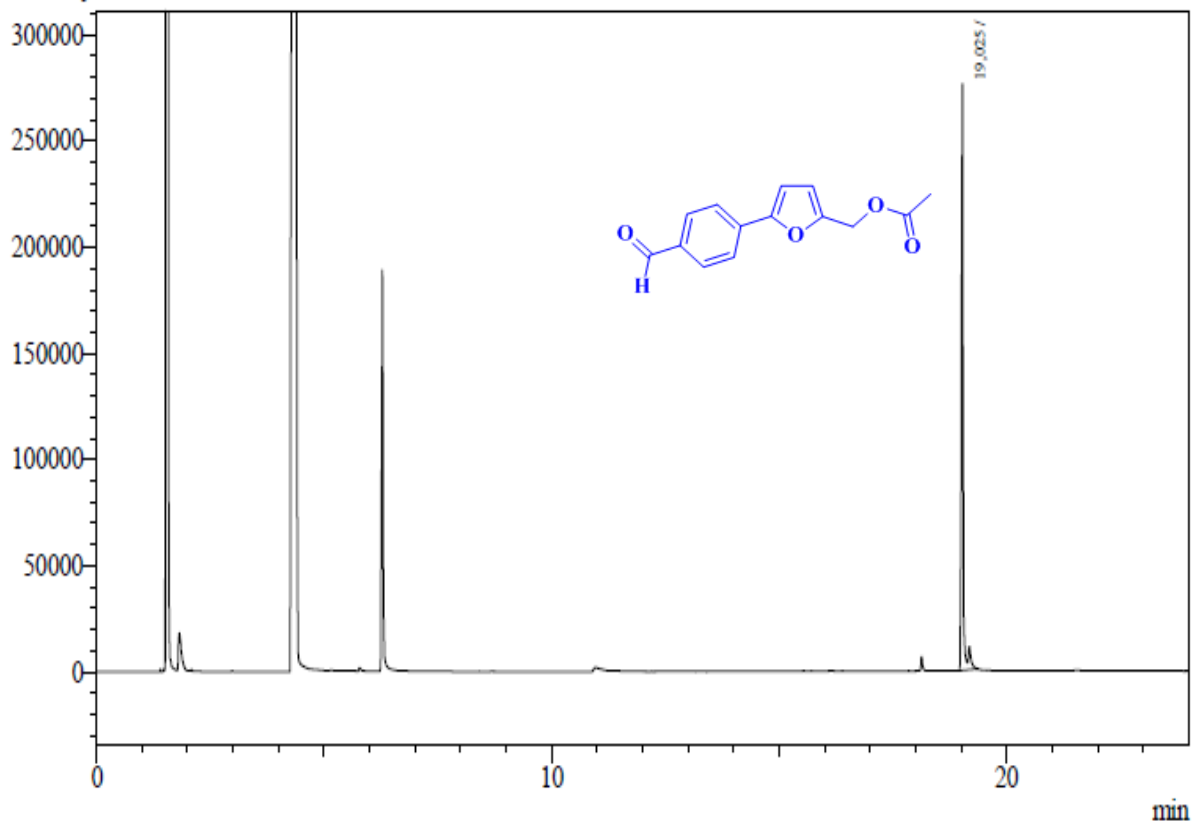


Intensity



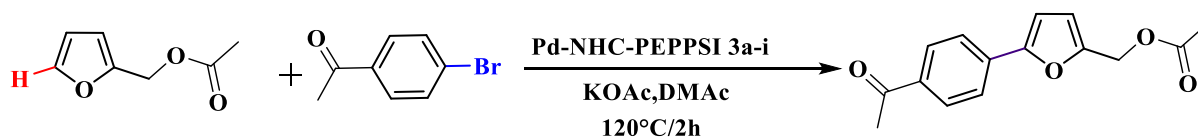
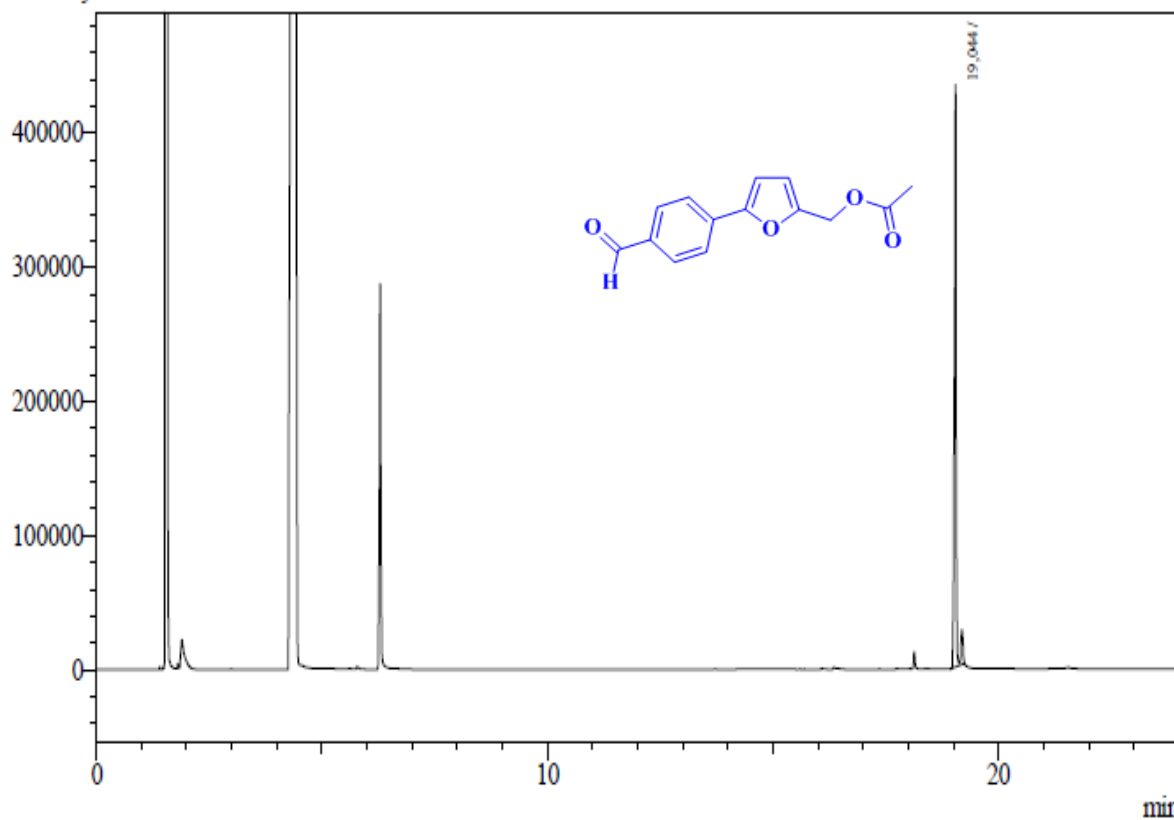
3h

Intensity



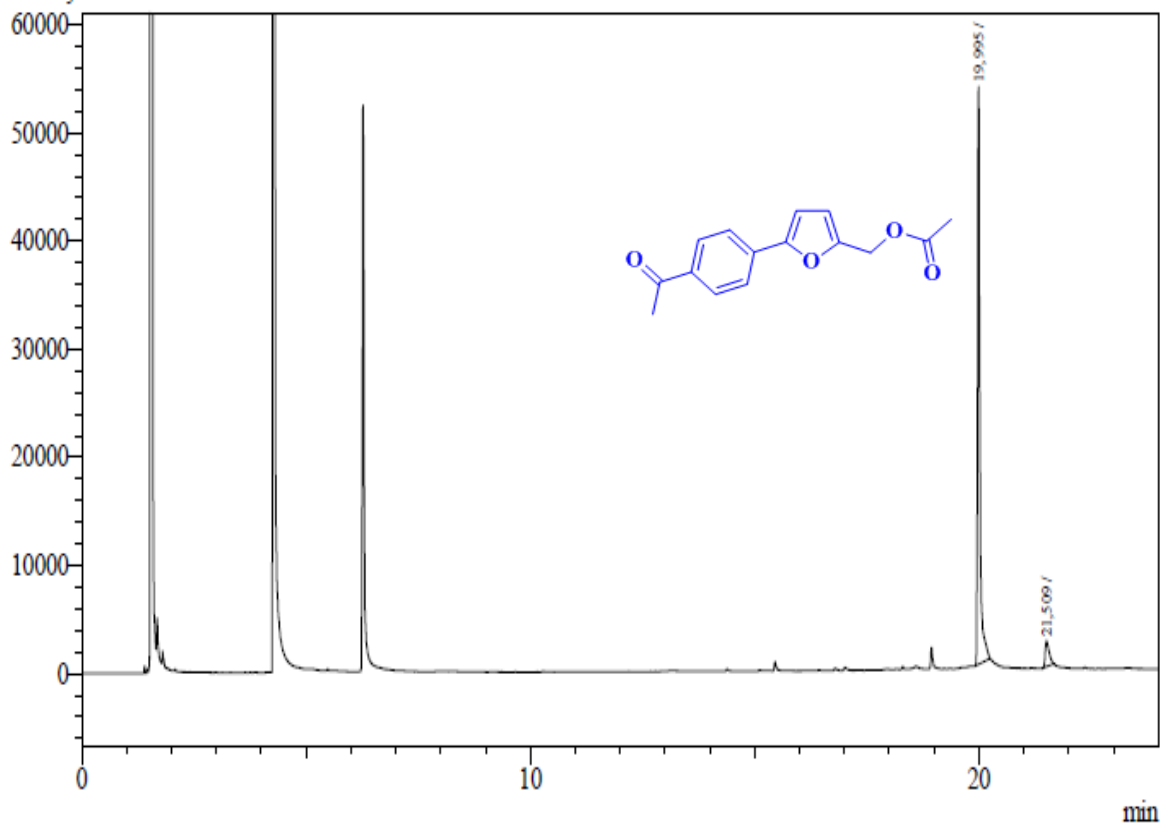
3i

Intensity



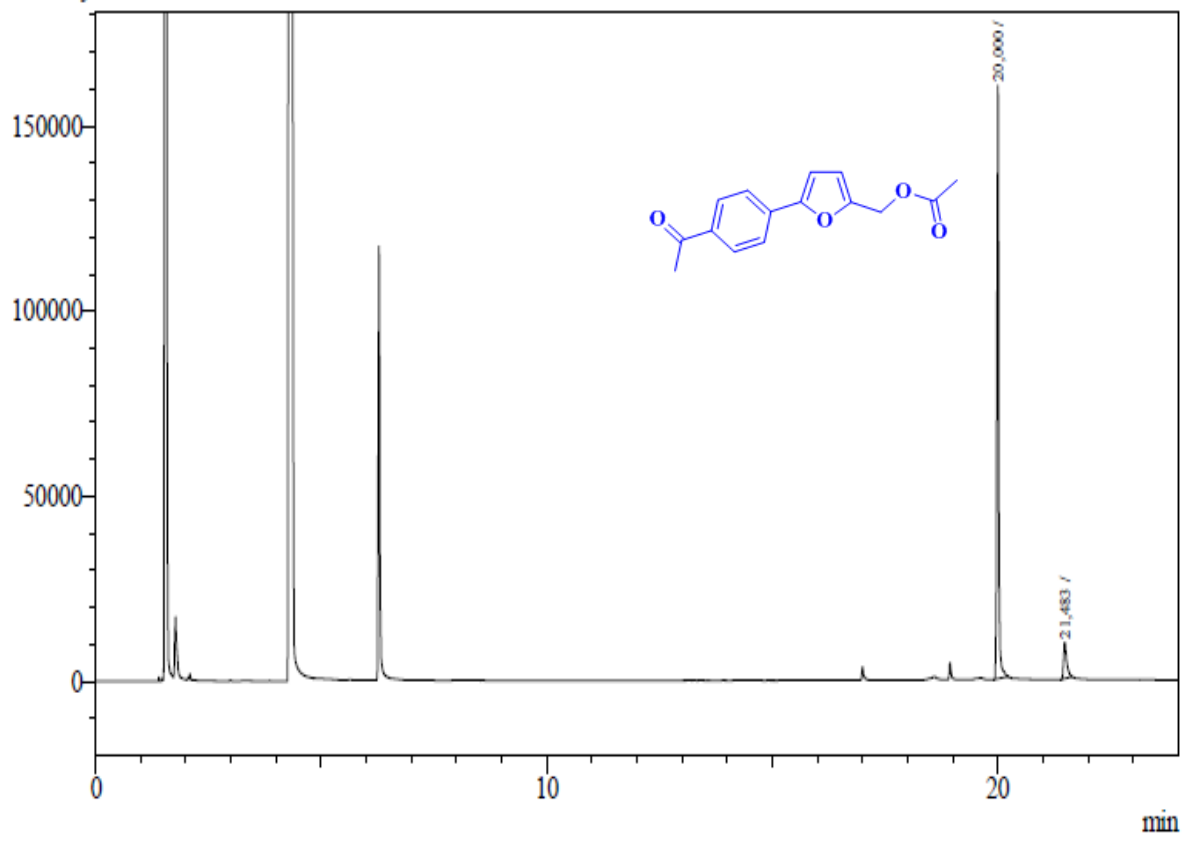
3a

Intensity



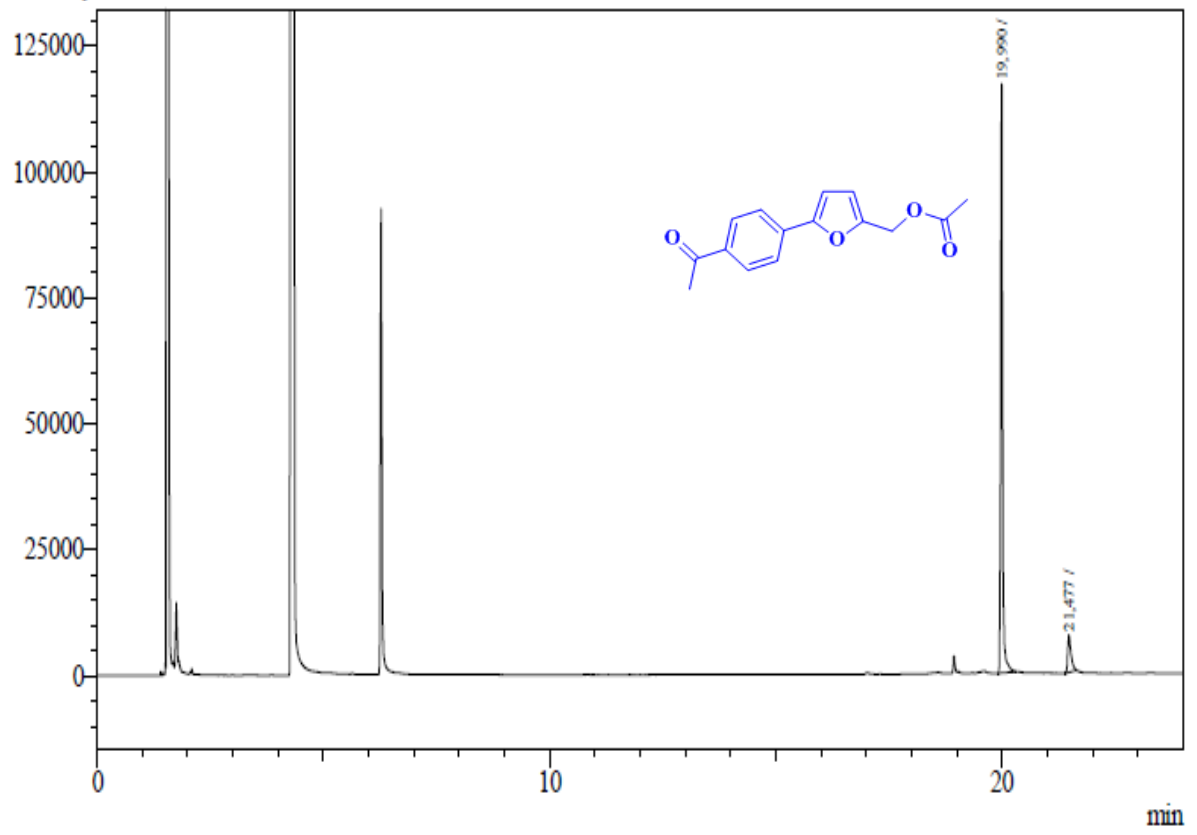
3b

Intensity

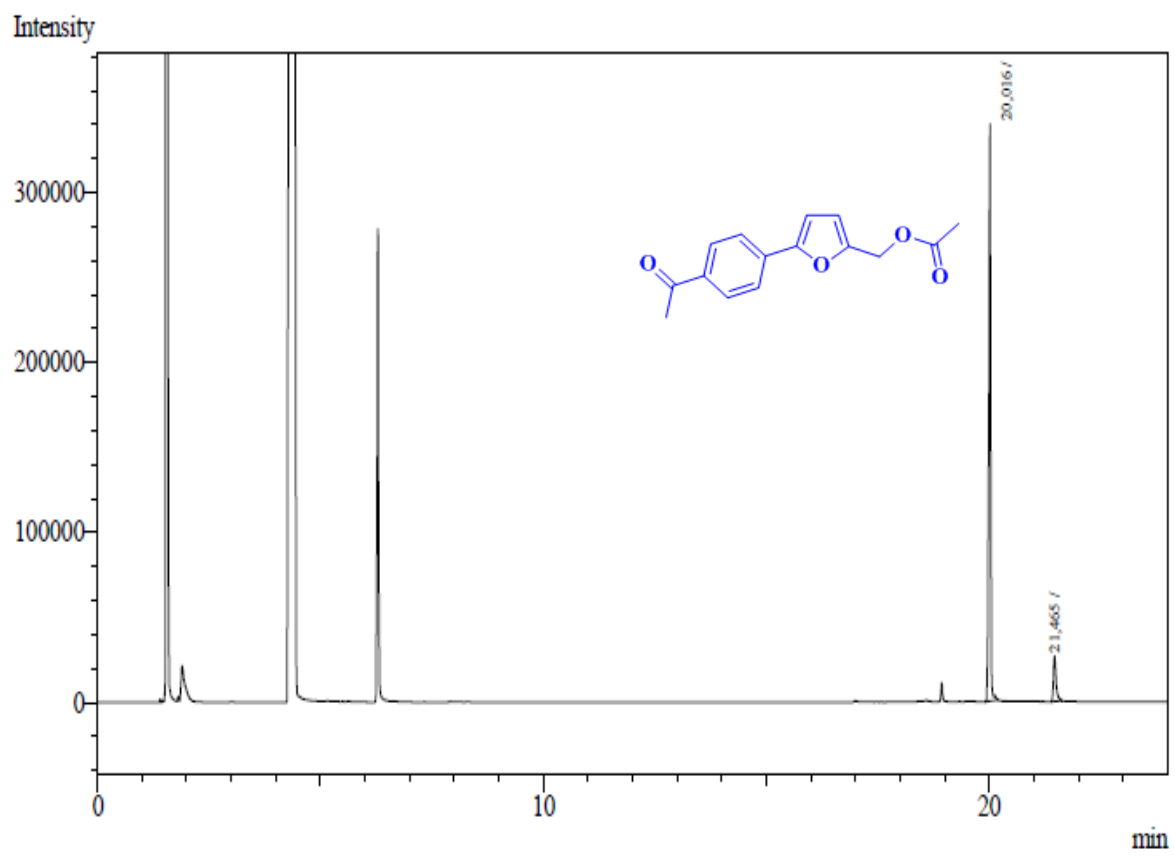


3c

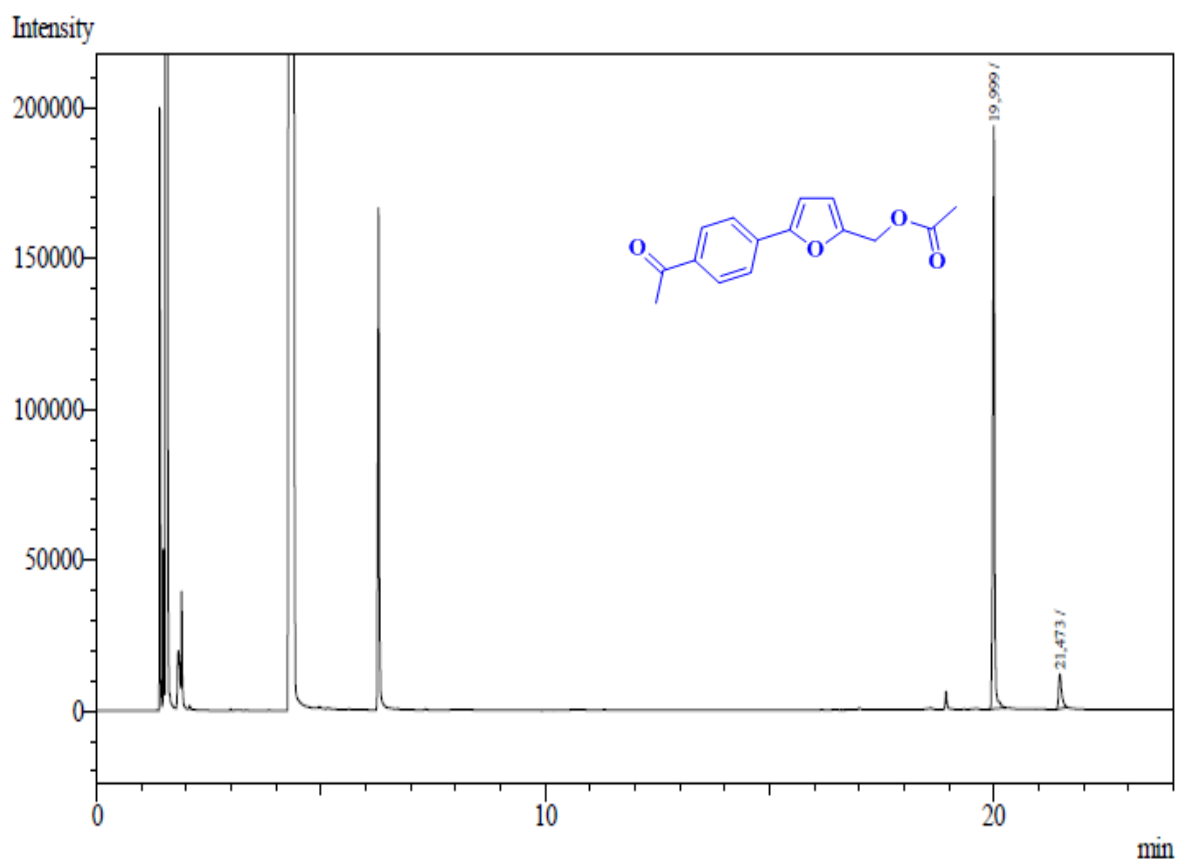
Intensity



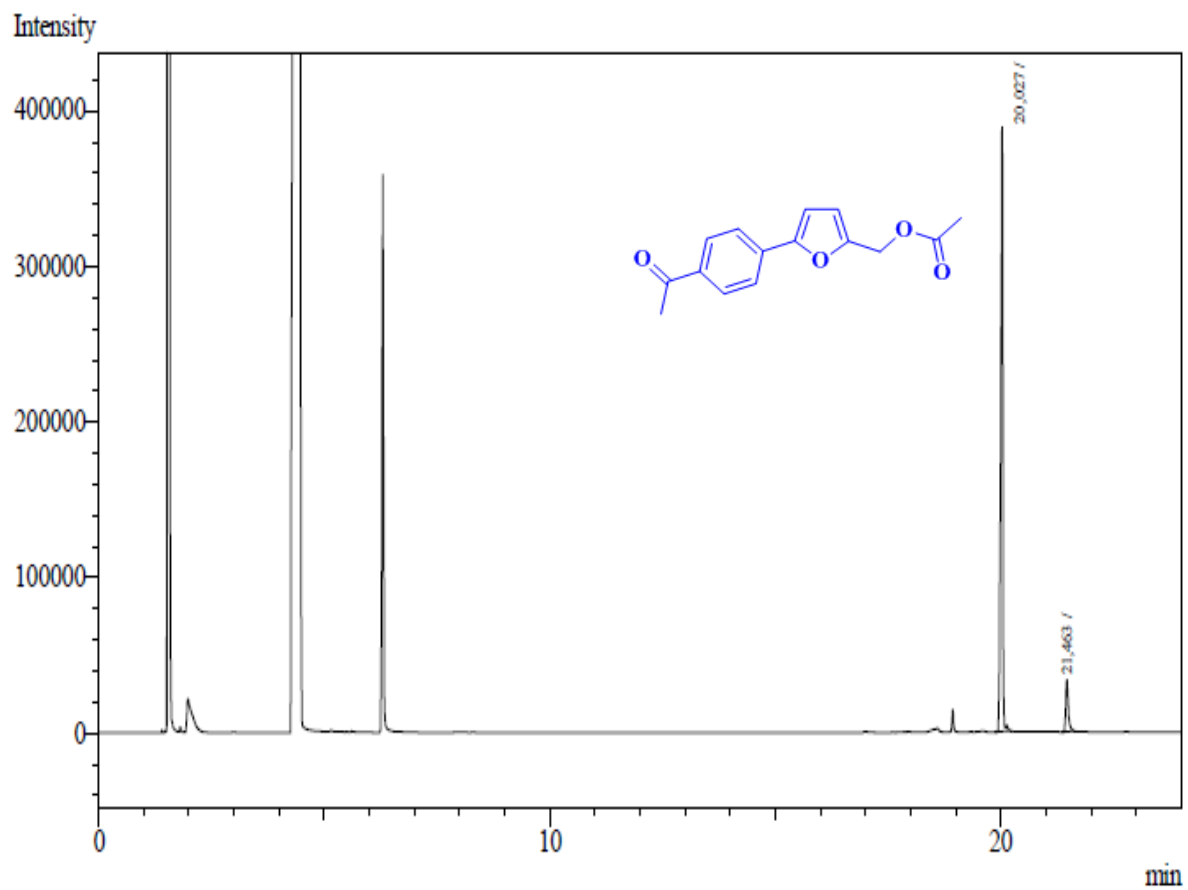
3d



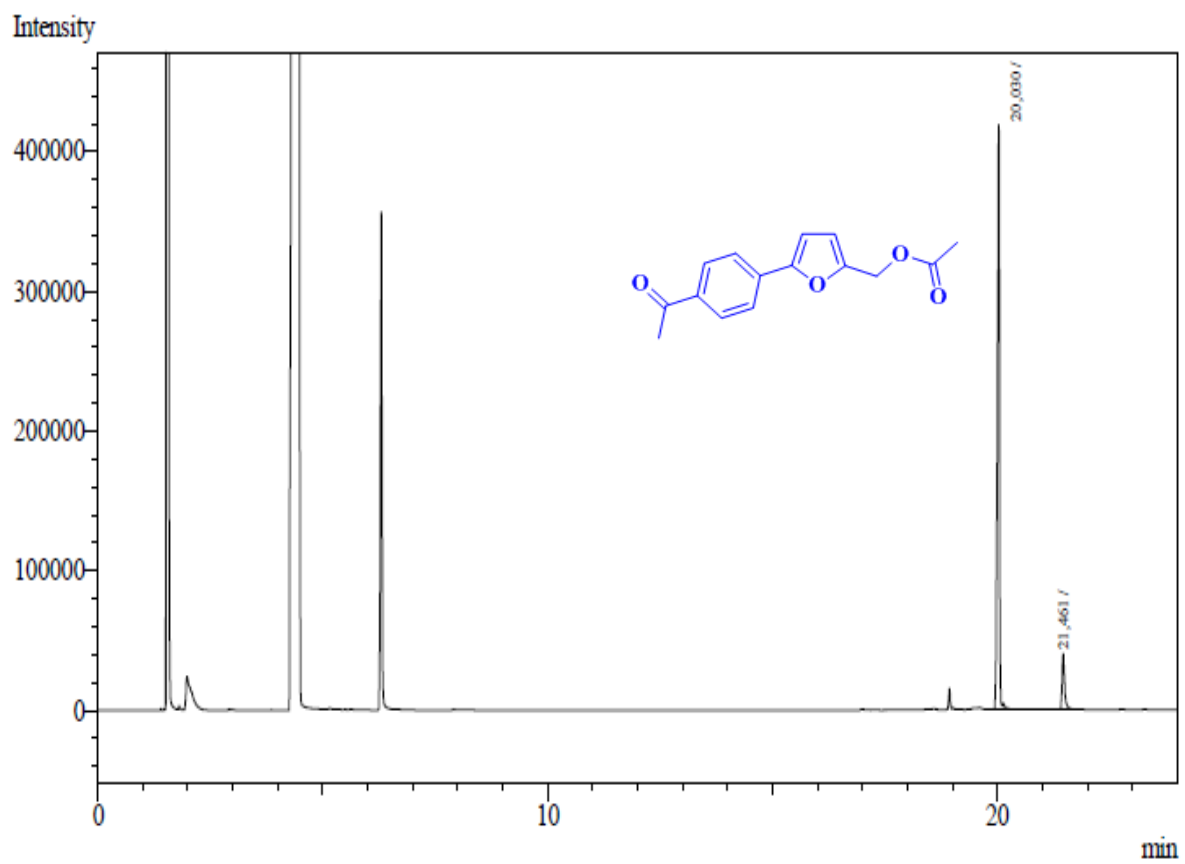
3e



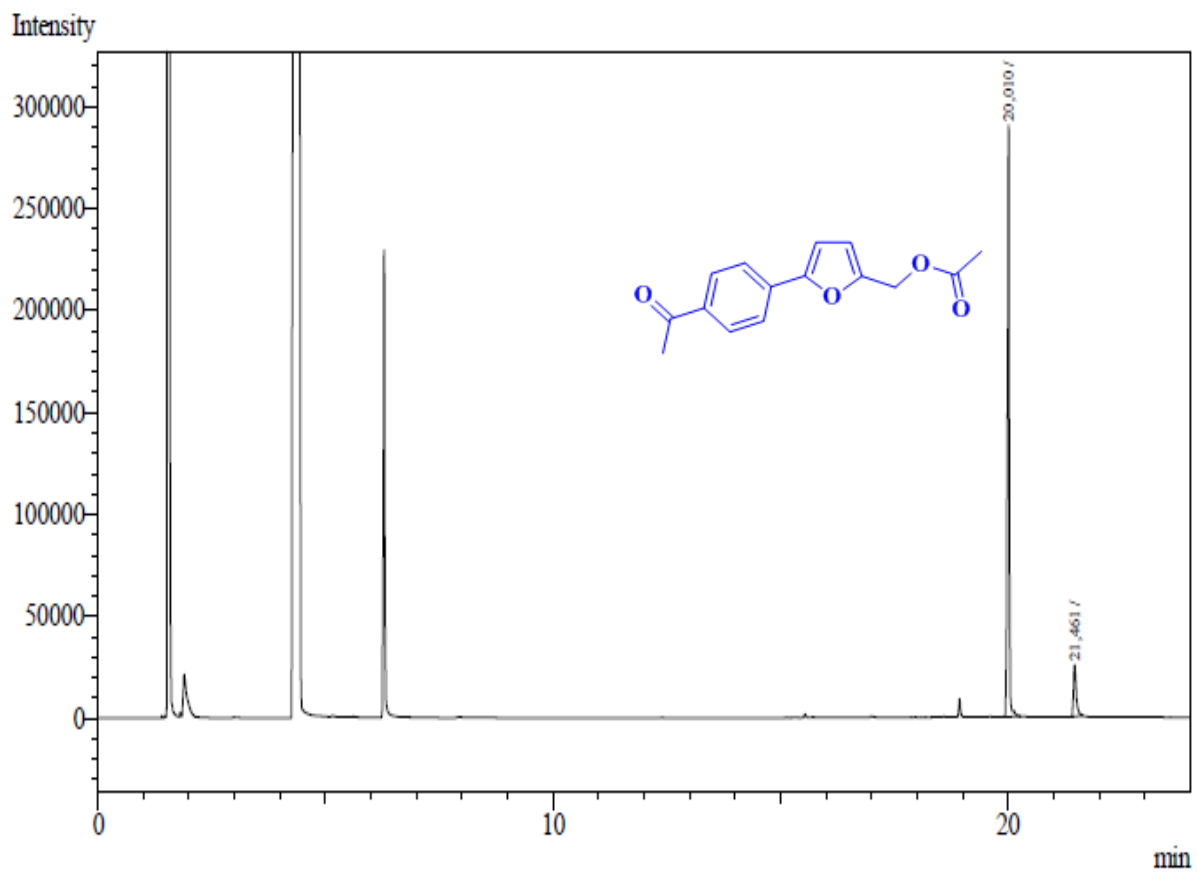
3f



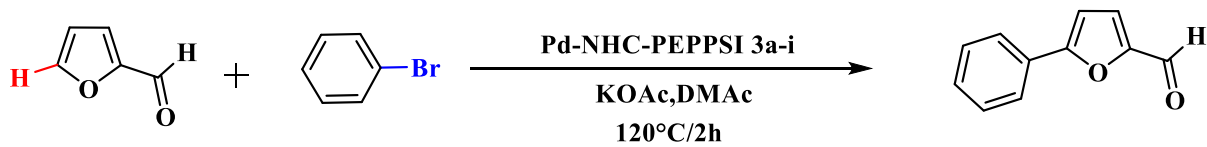
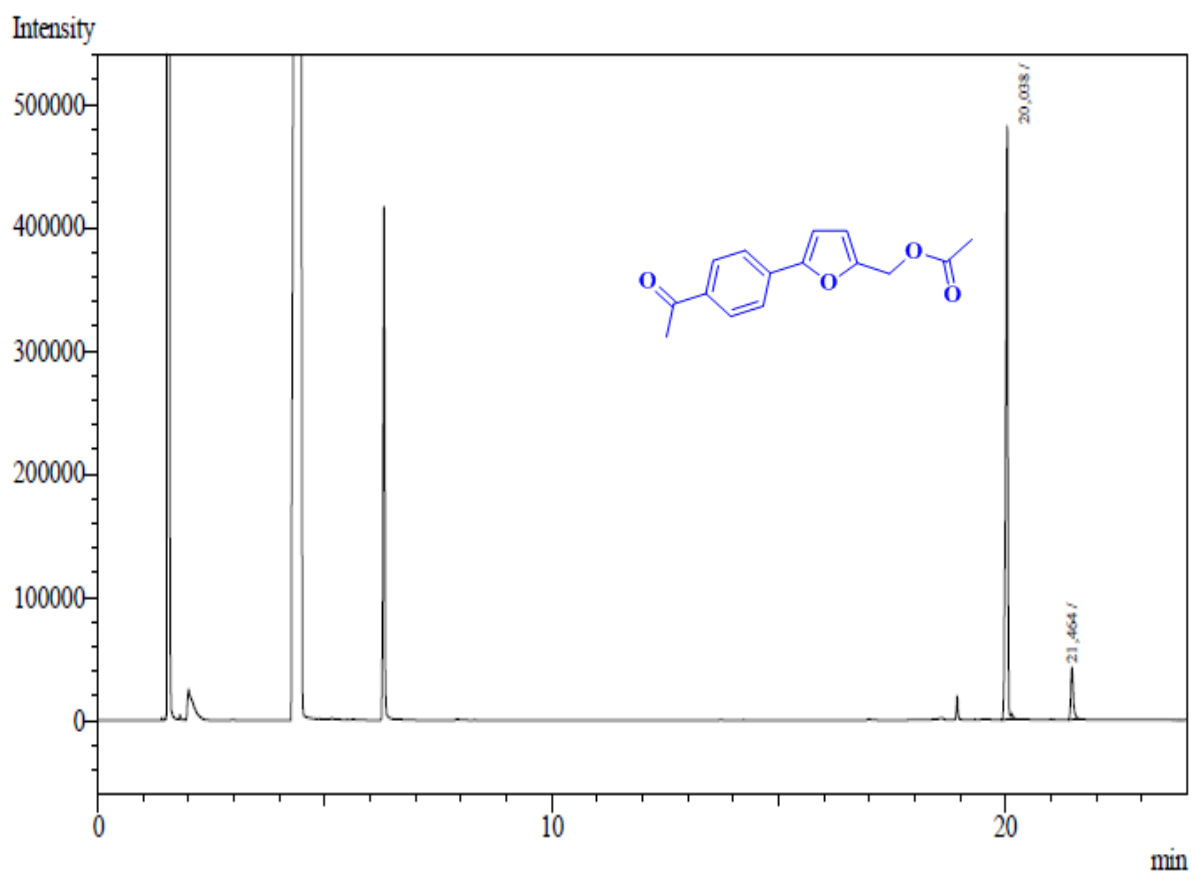
3g



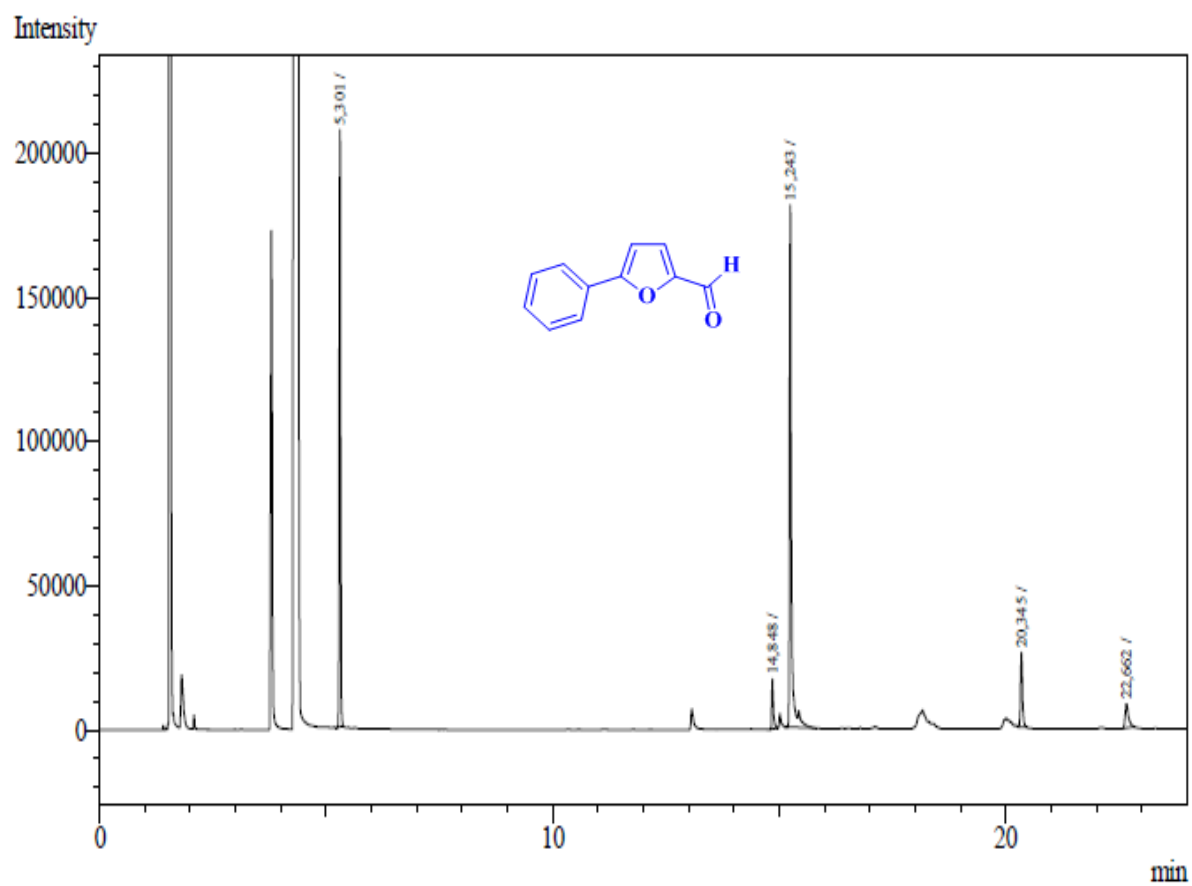
3h



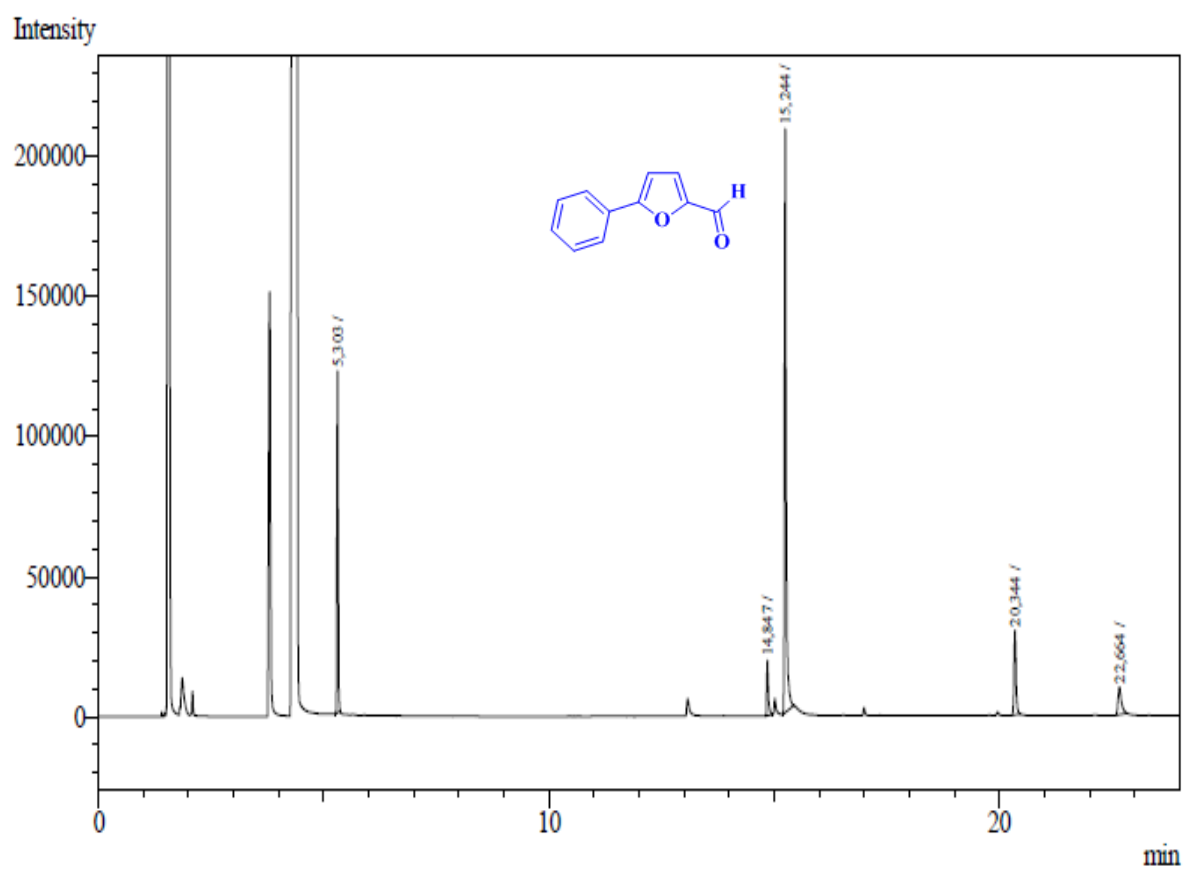
3i



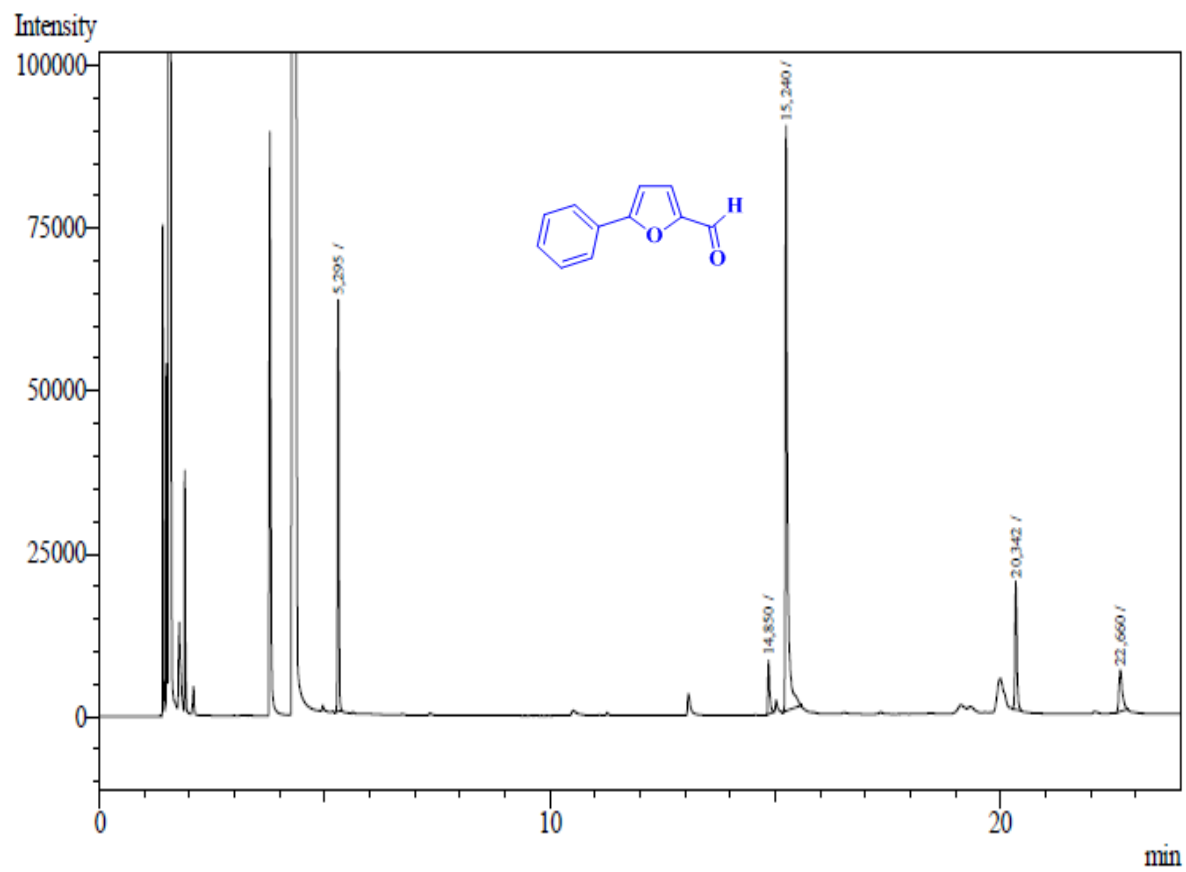
3a



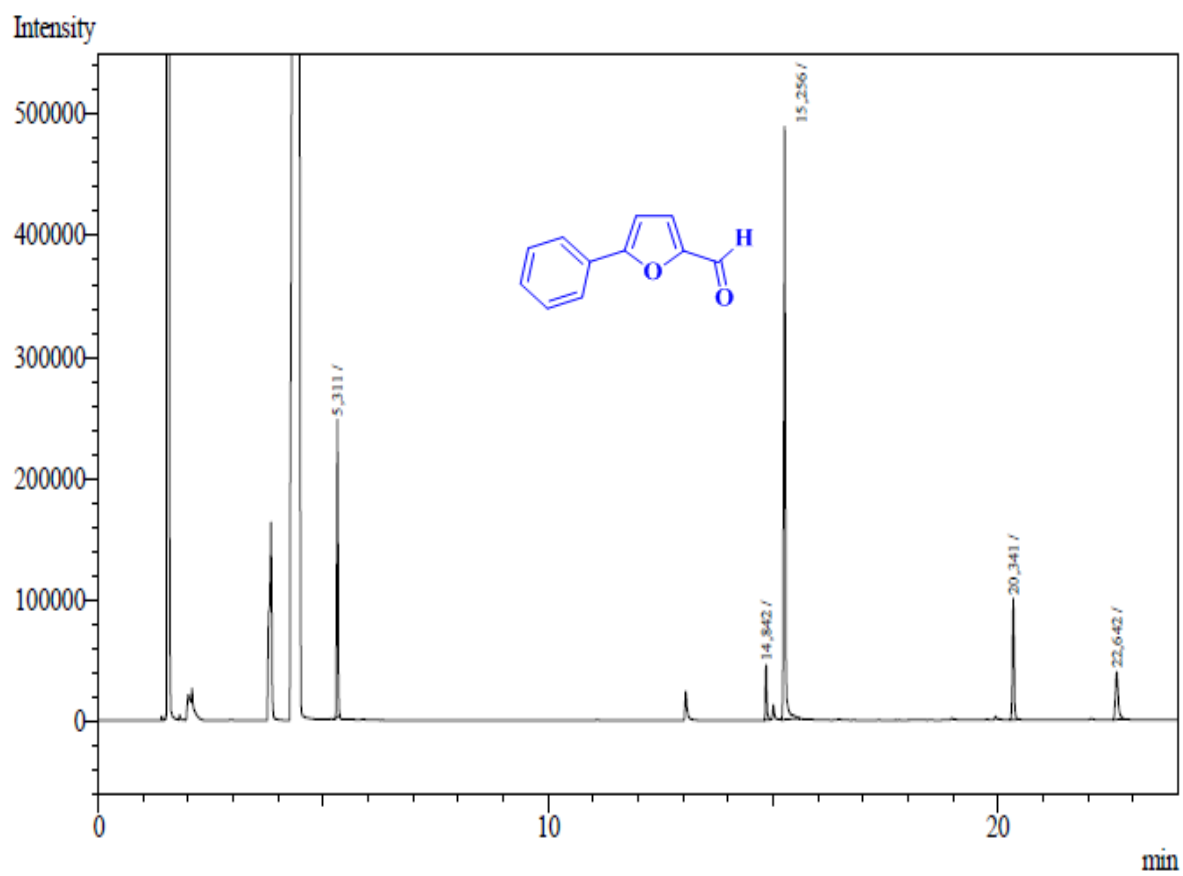
3b



3c



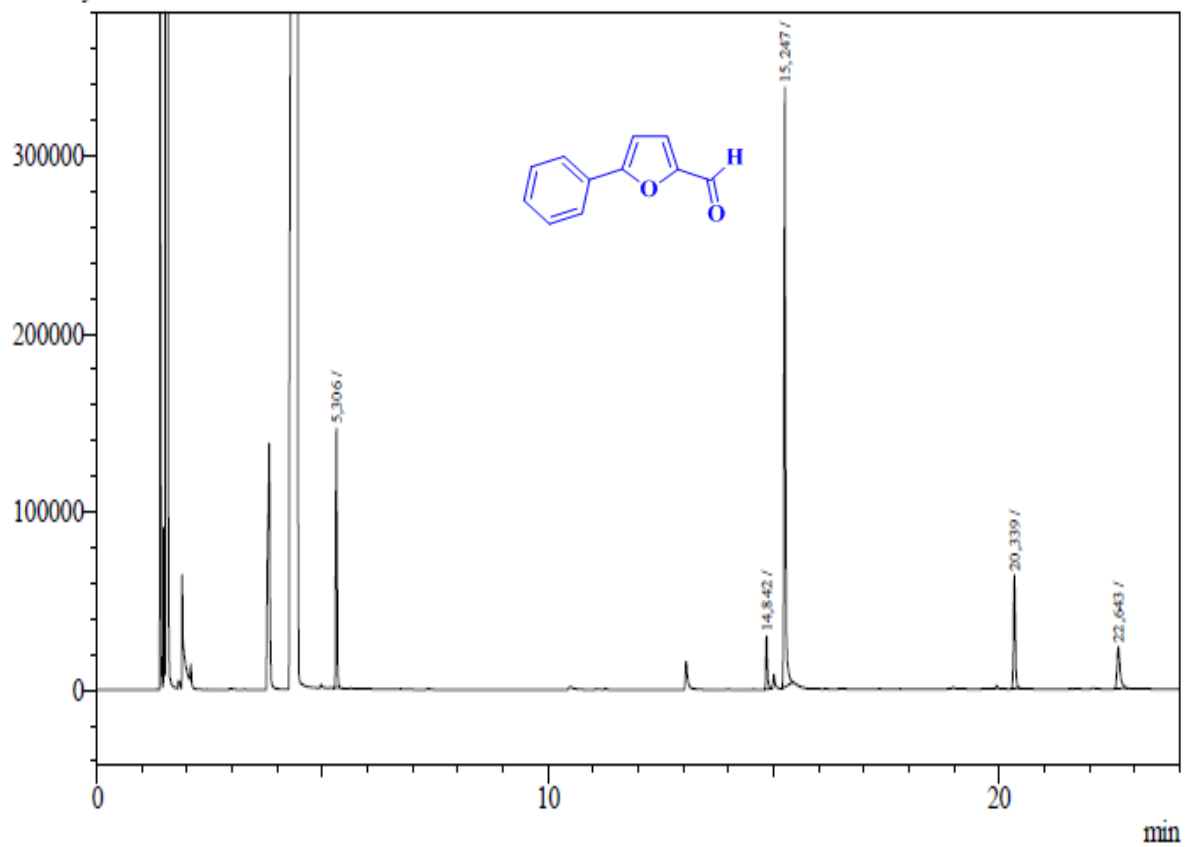
3d



3e

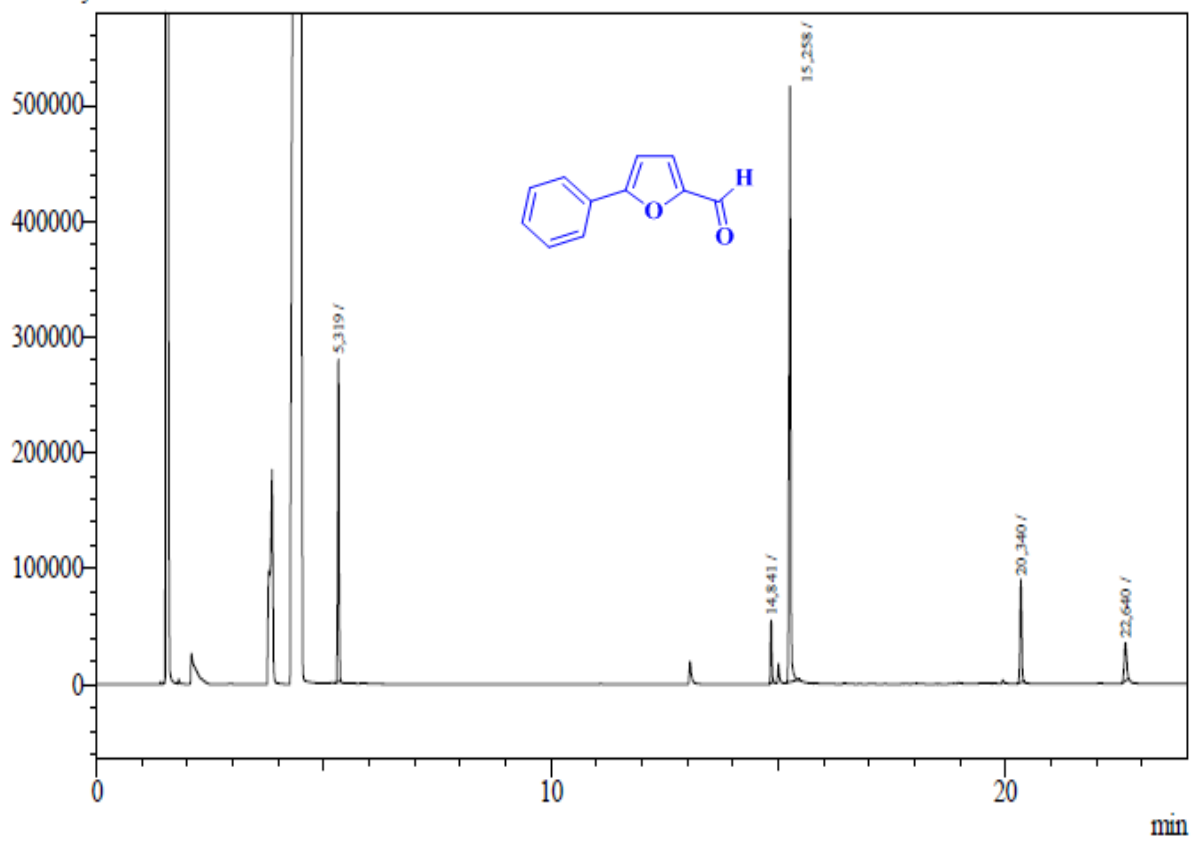


Intensity

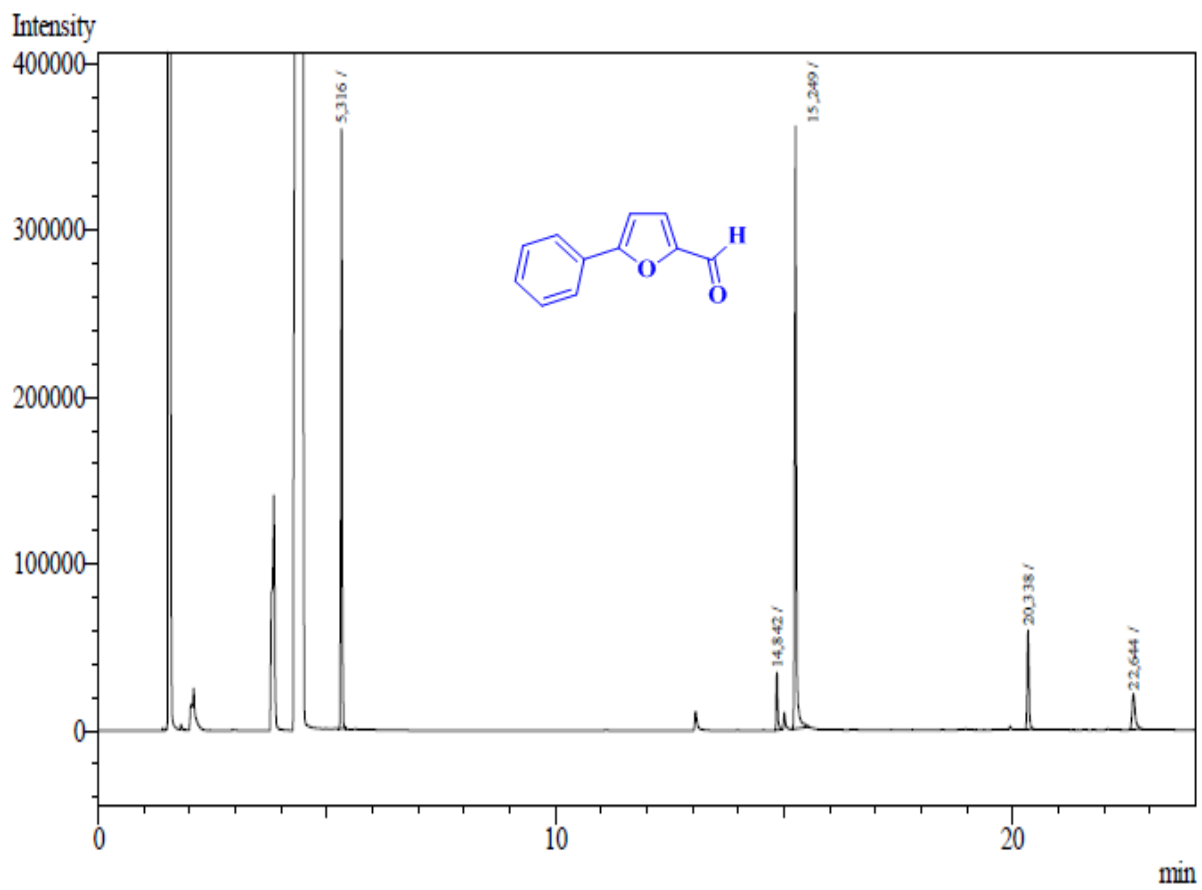


3f

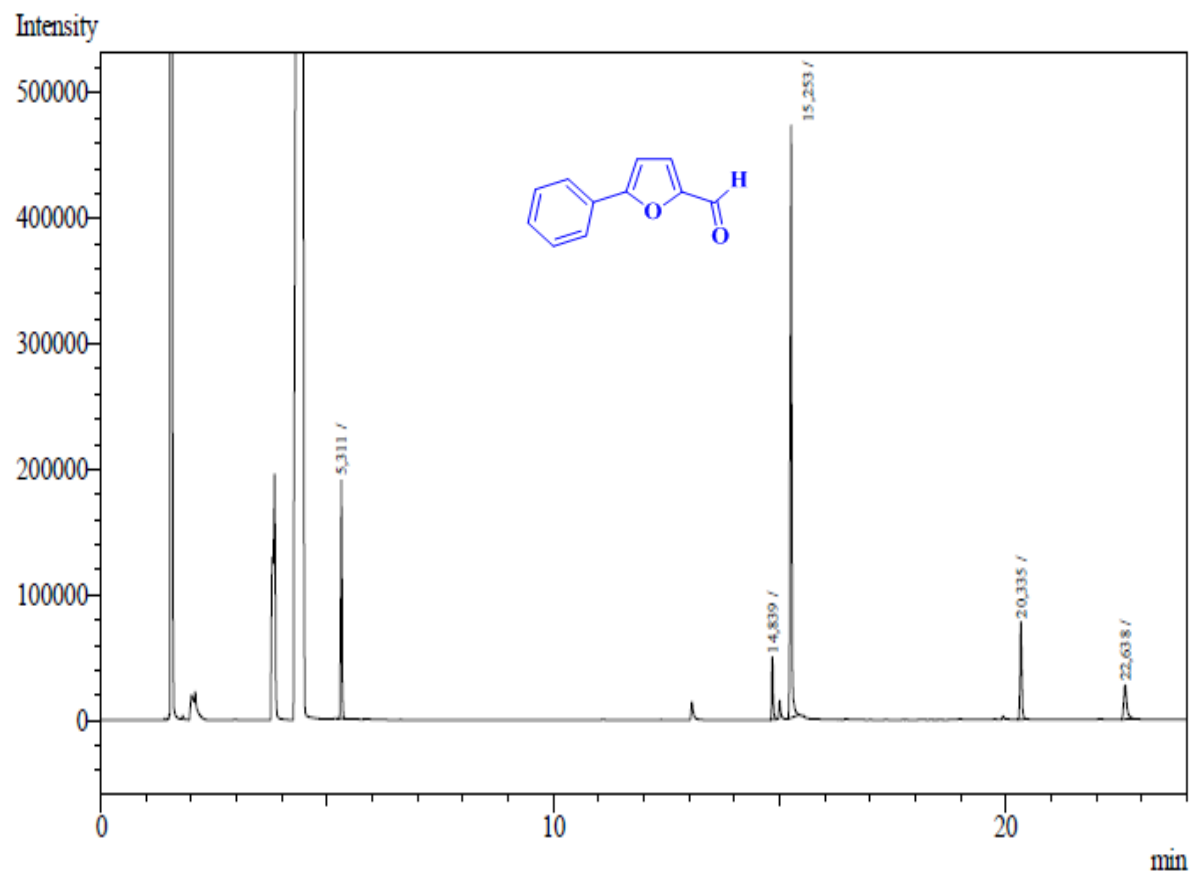
Intensity



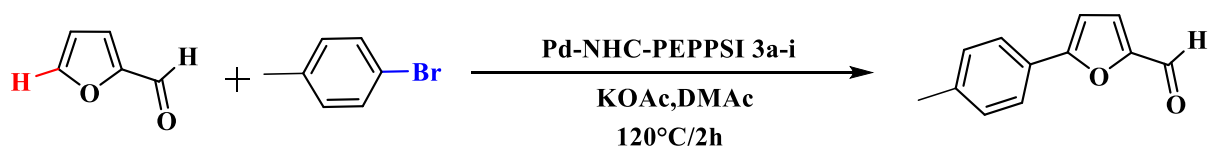
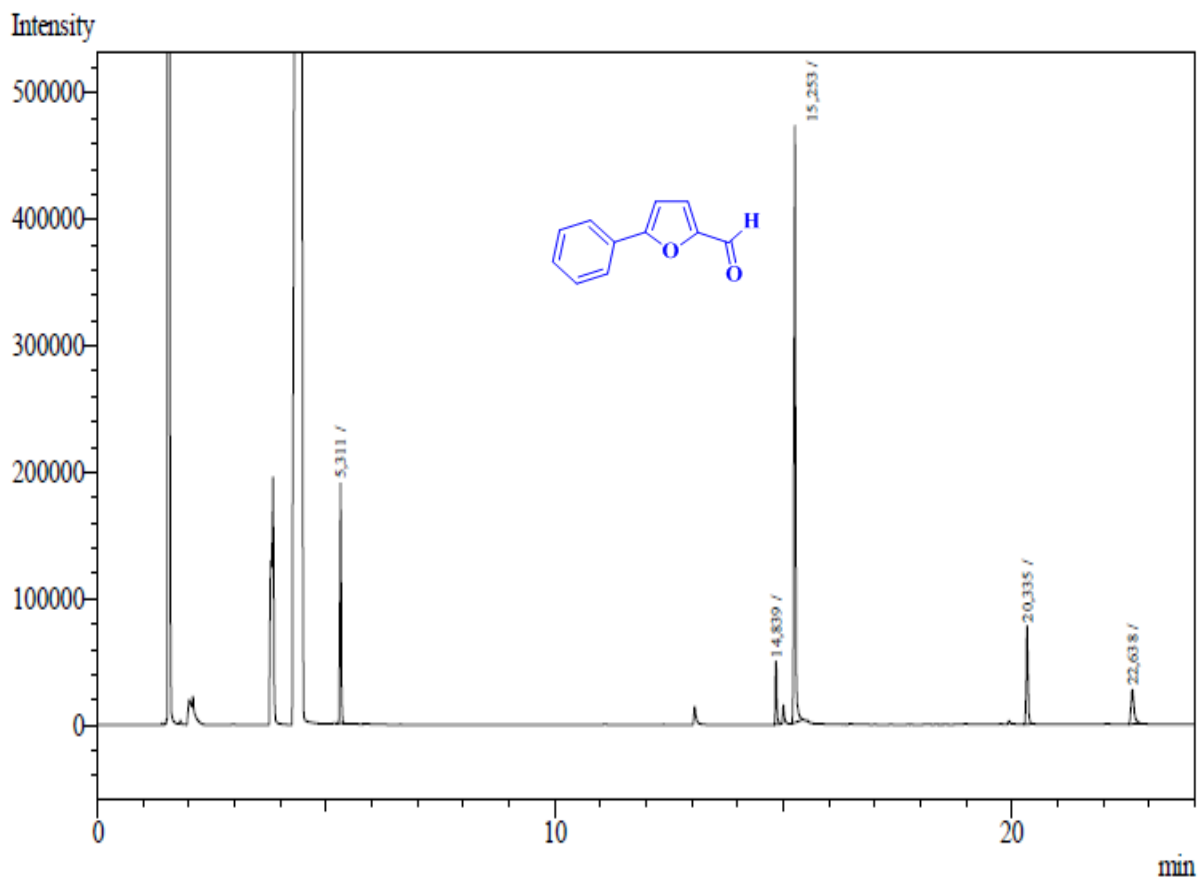
3g



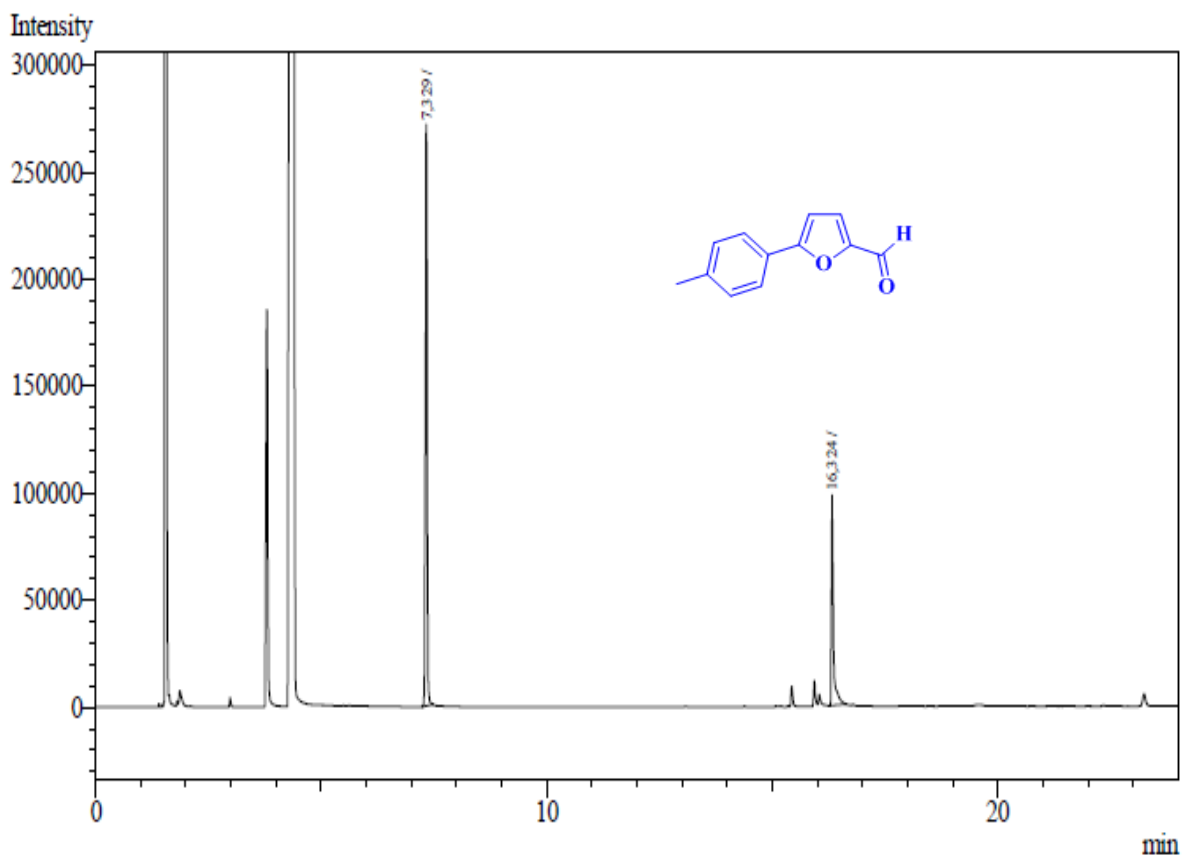
3h



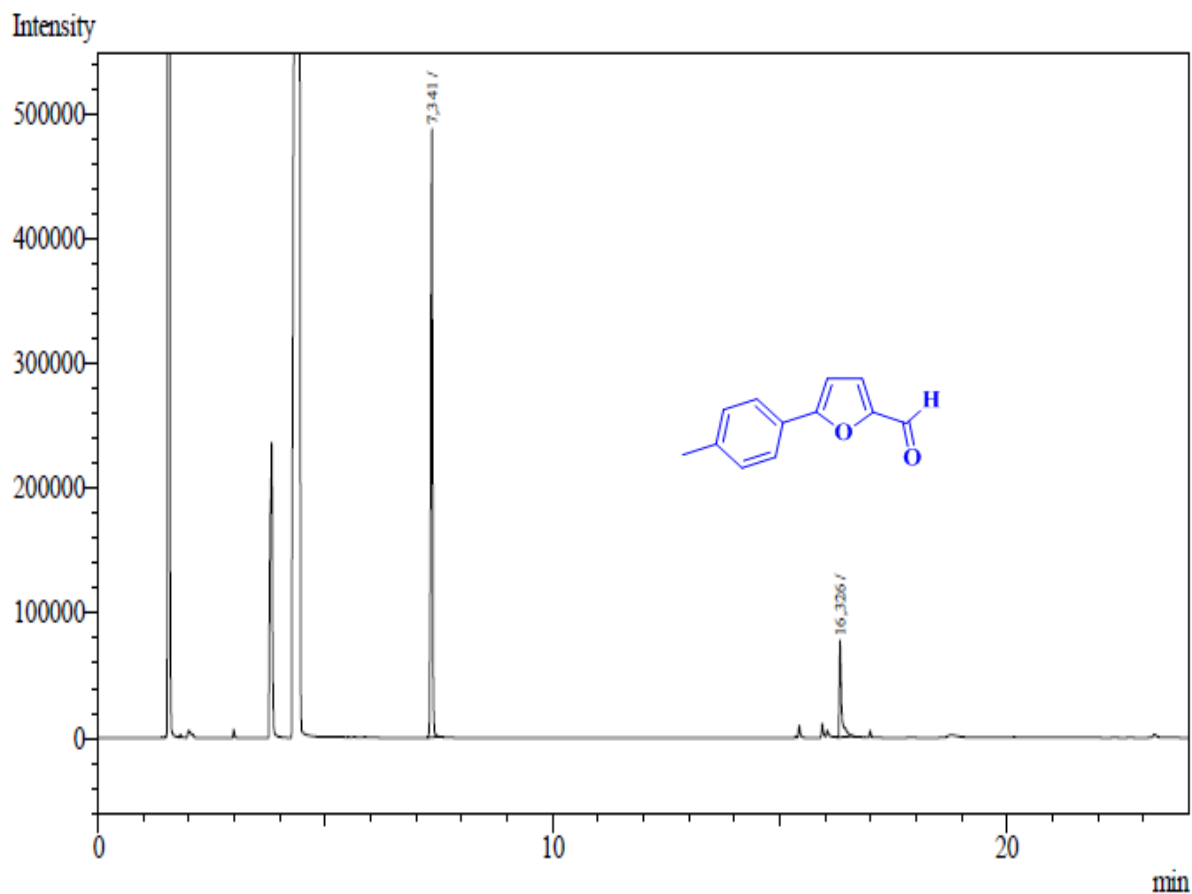
3i



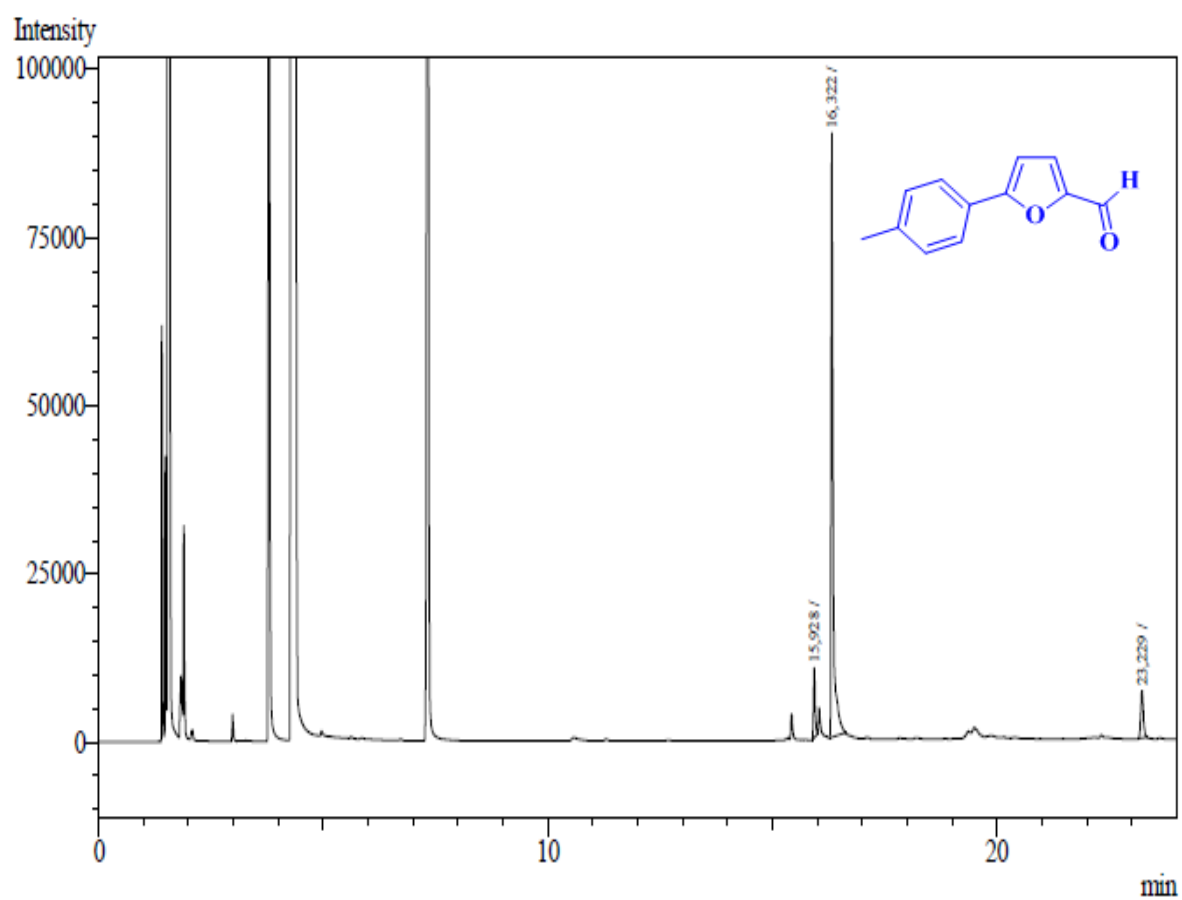
3a



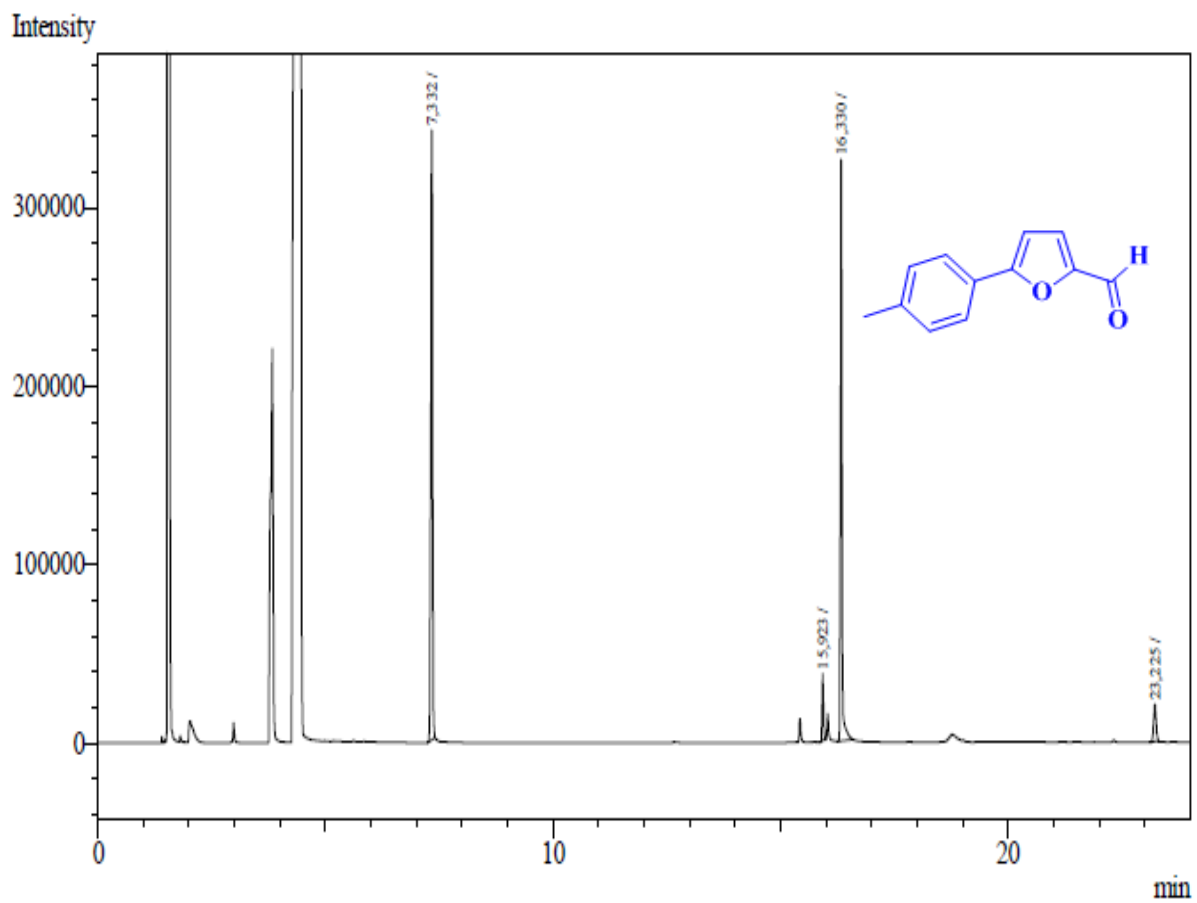
3b



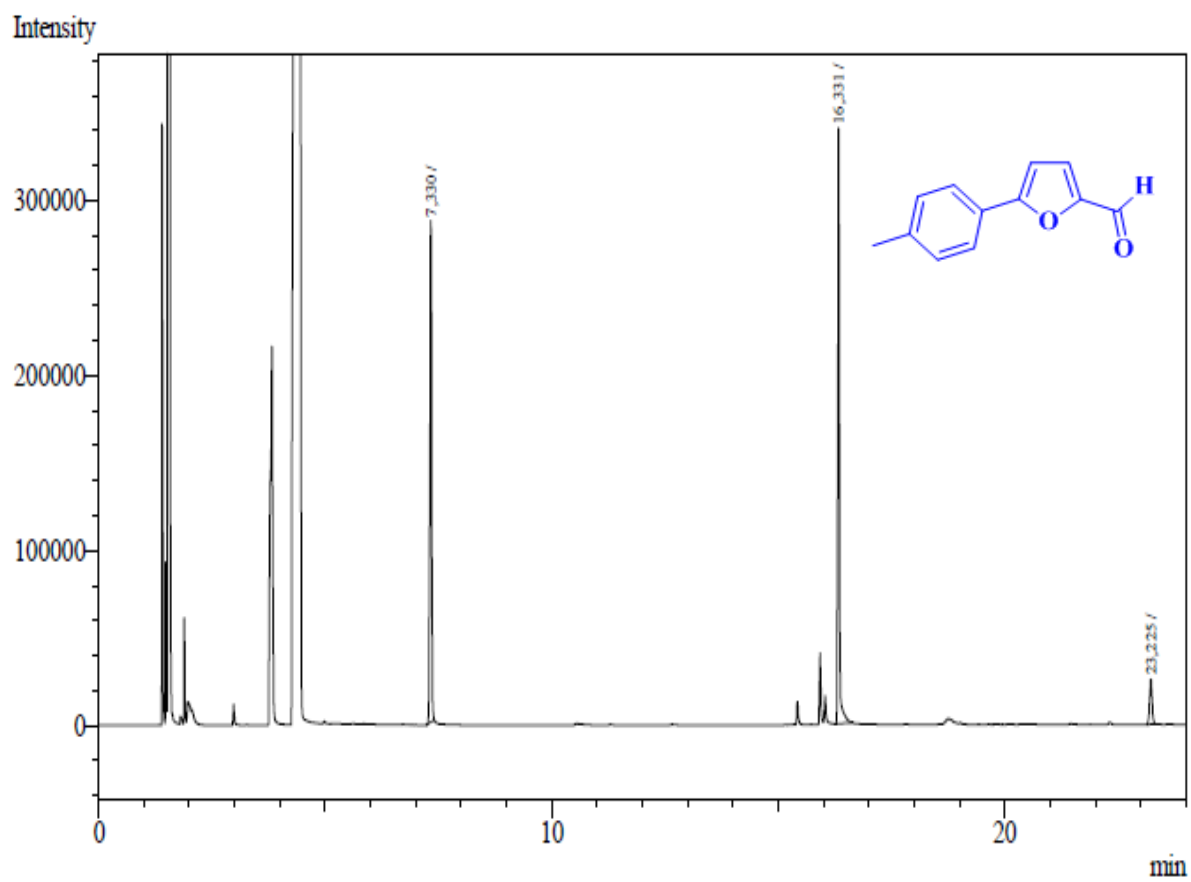
3c



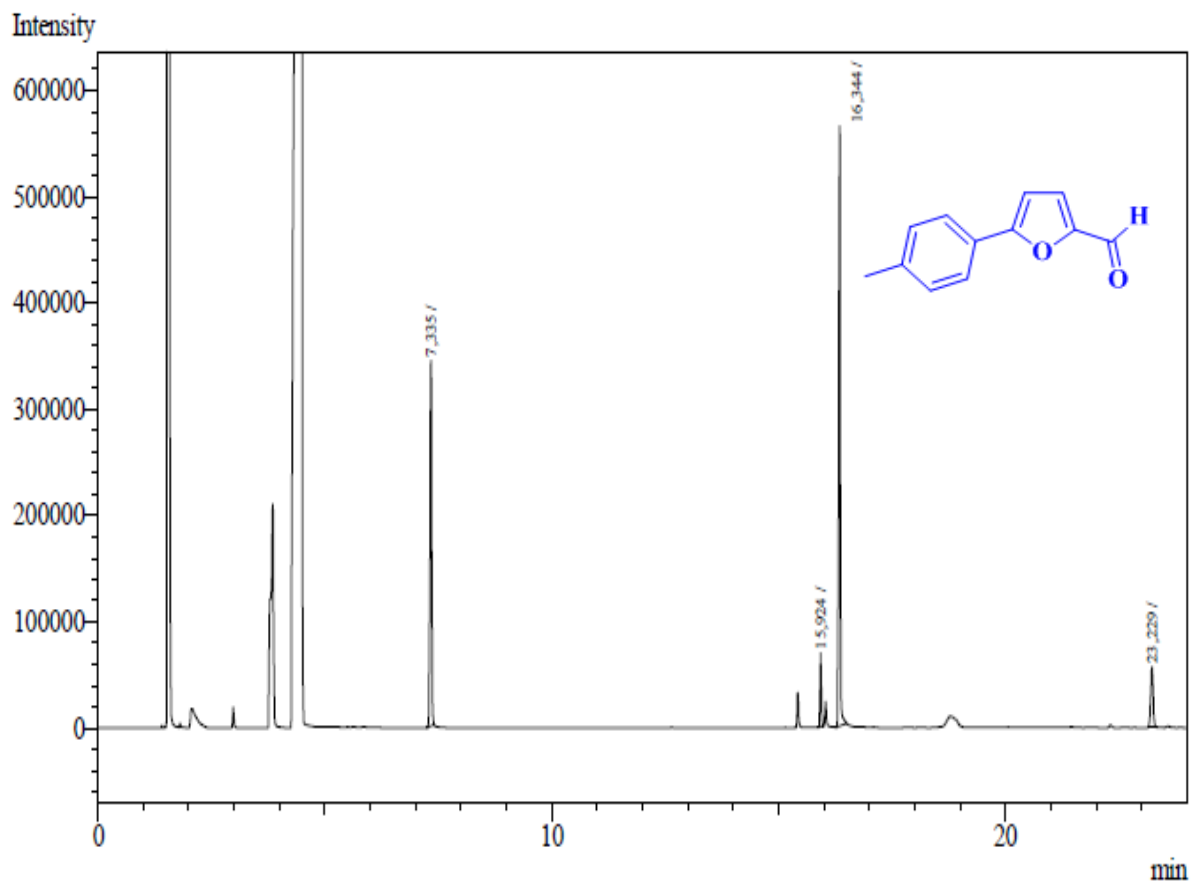
3d



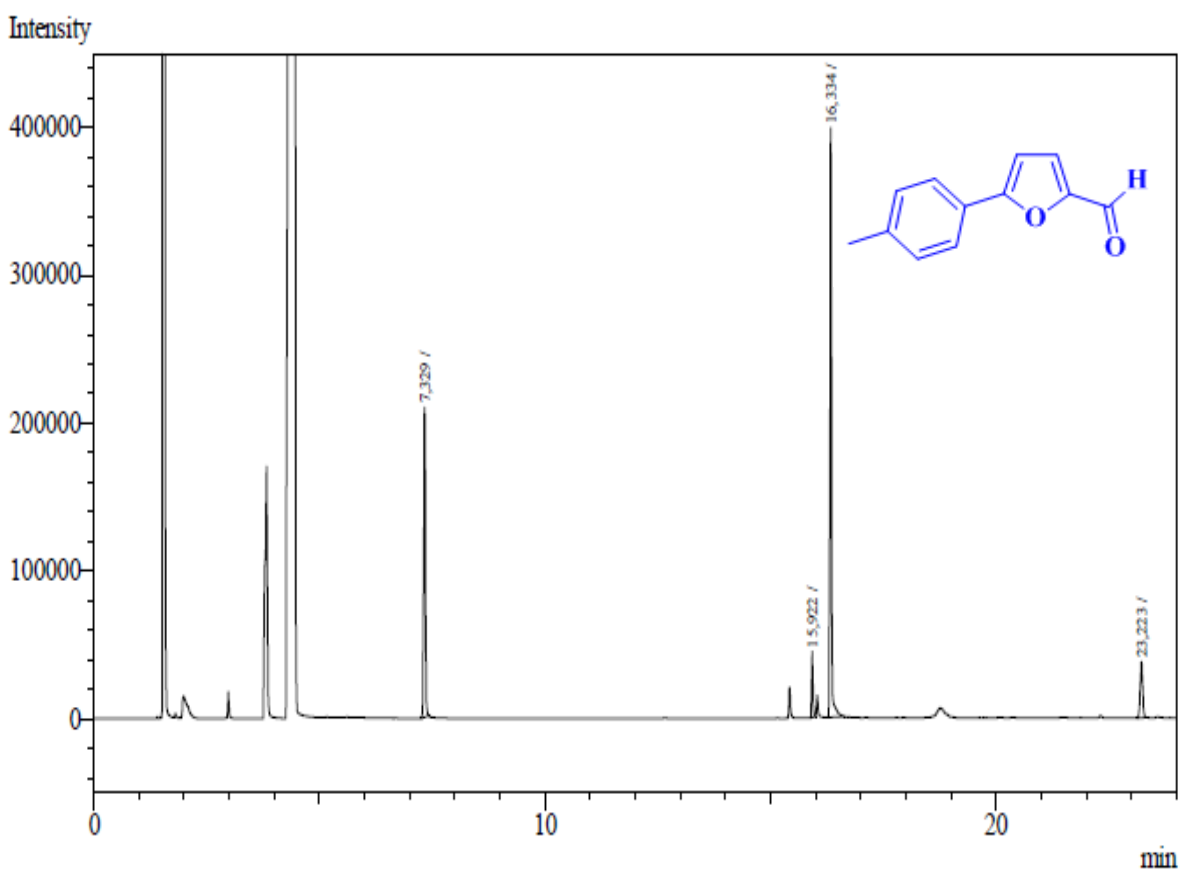
3e



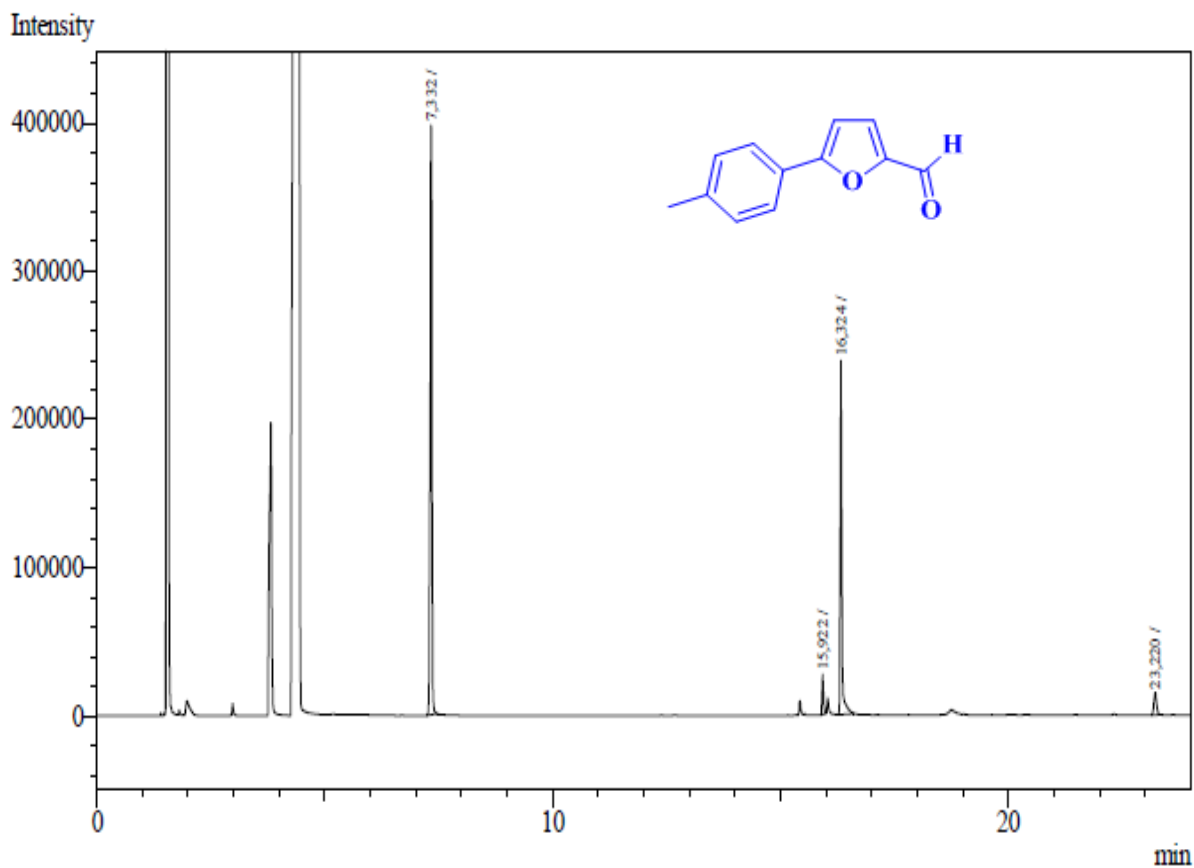
3f



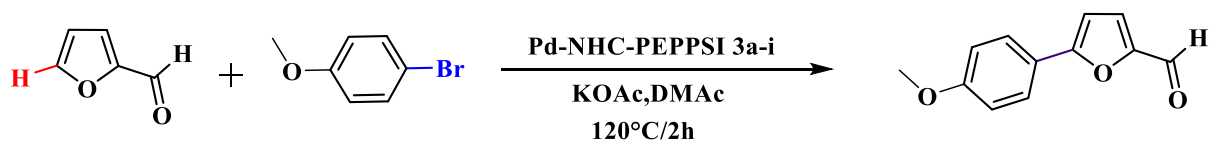
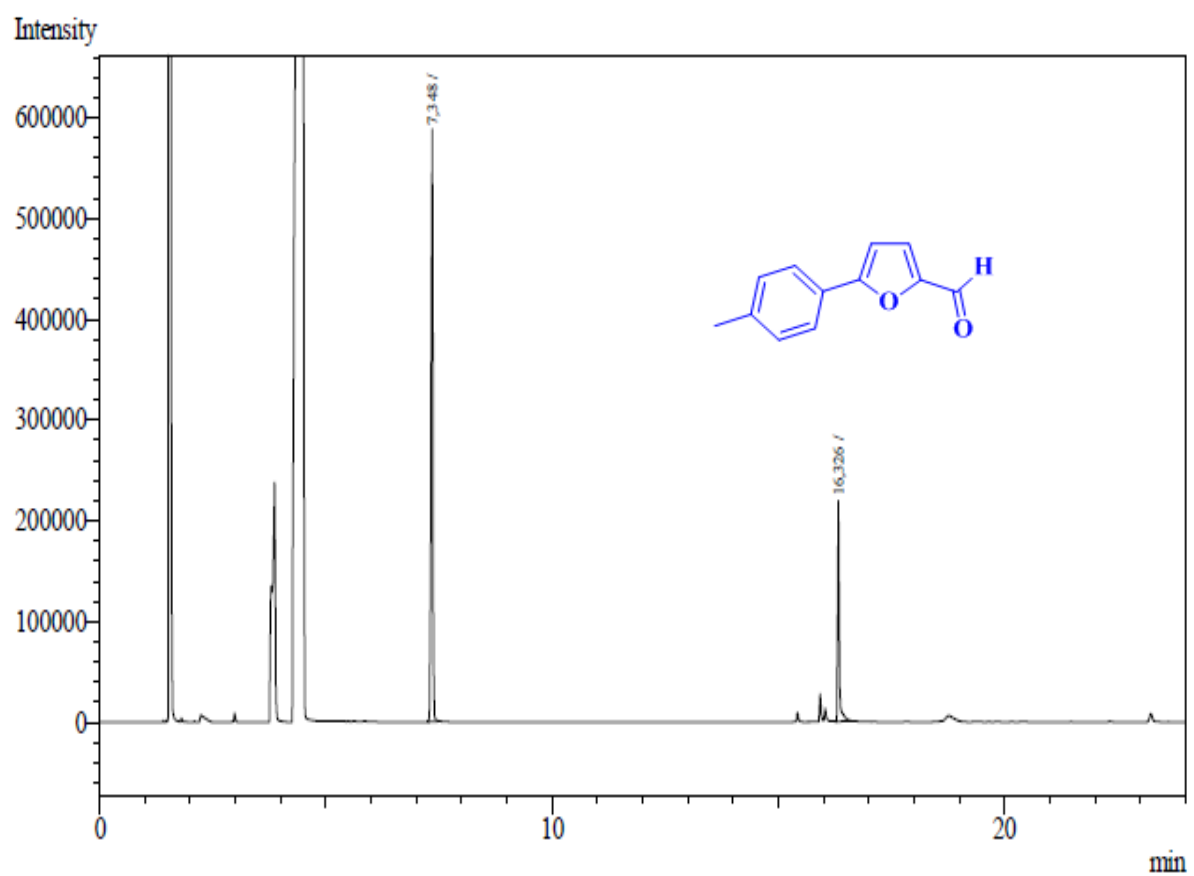
3g



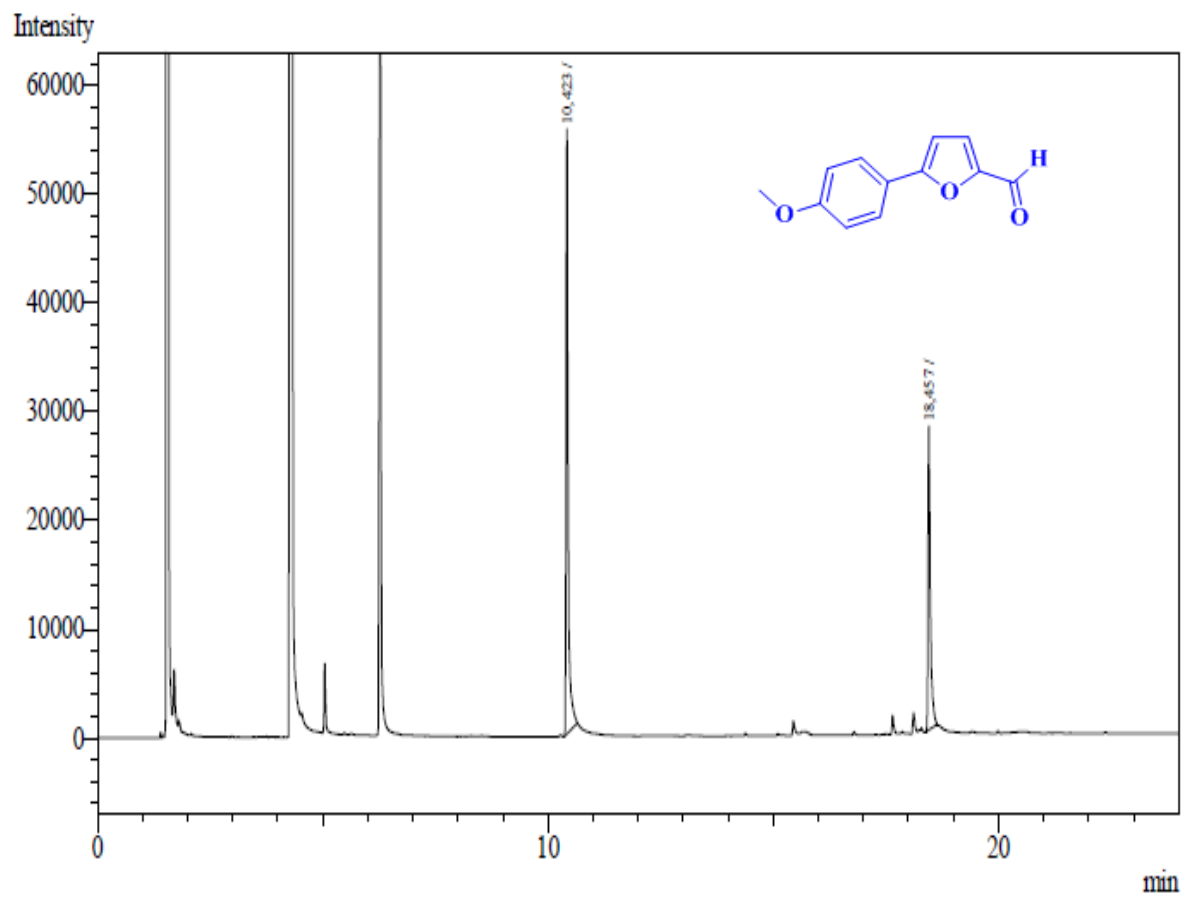
3h



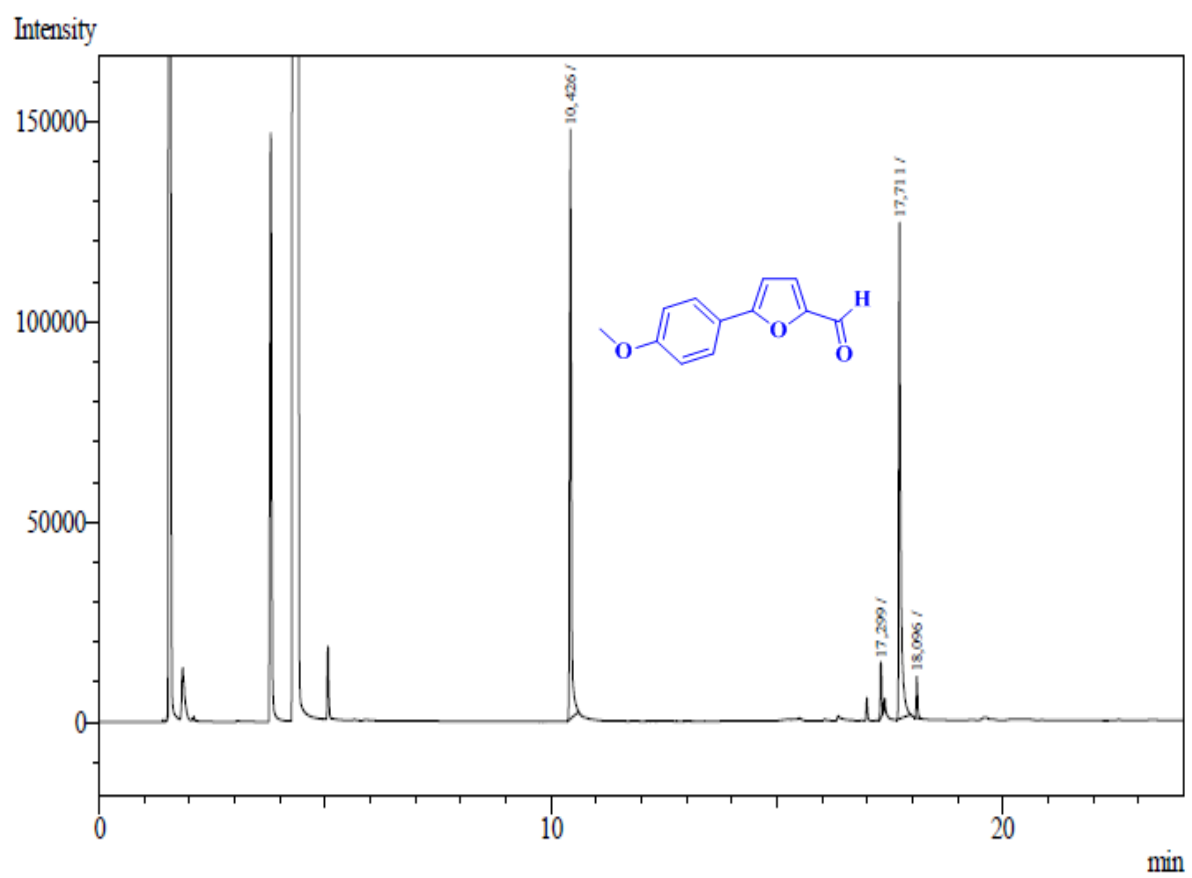
3i



3a

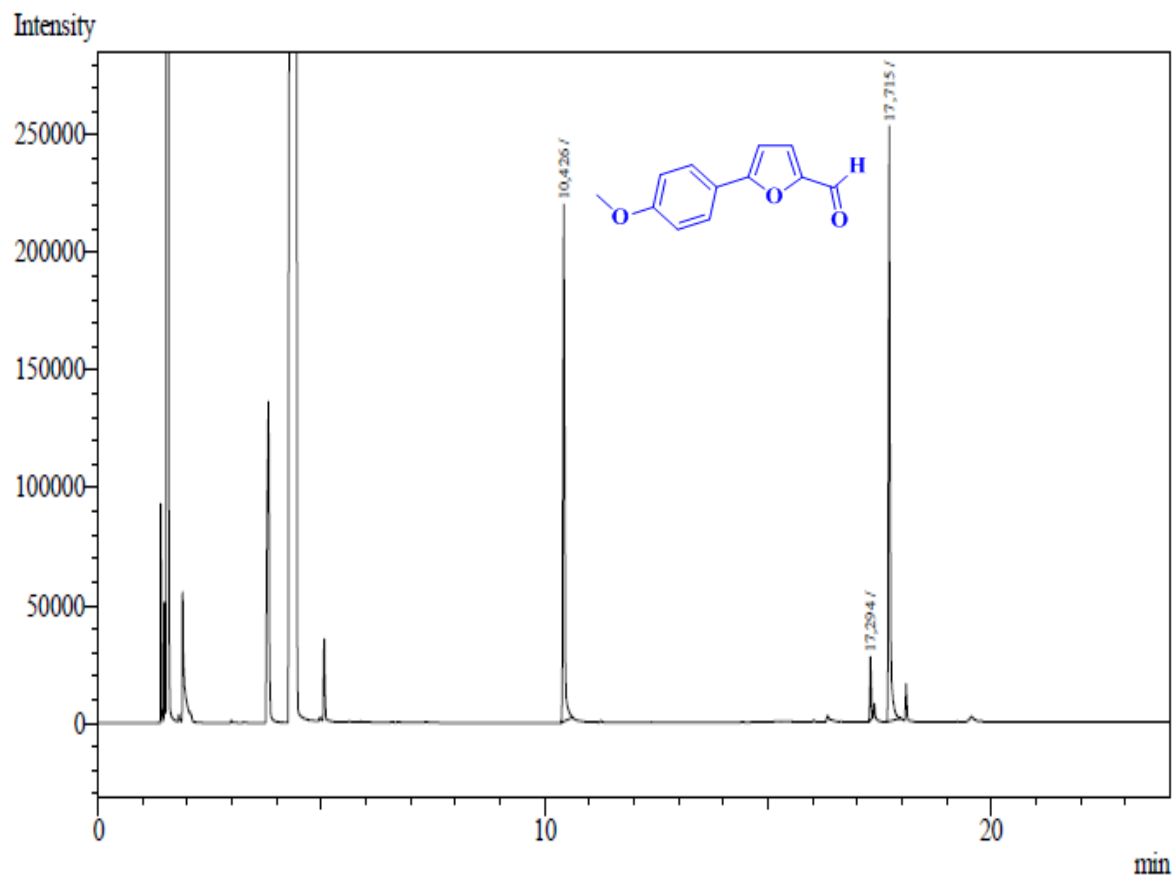


3b

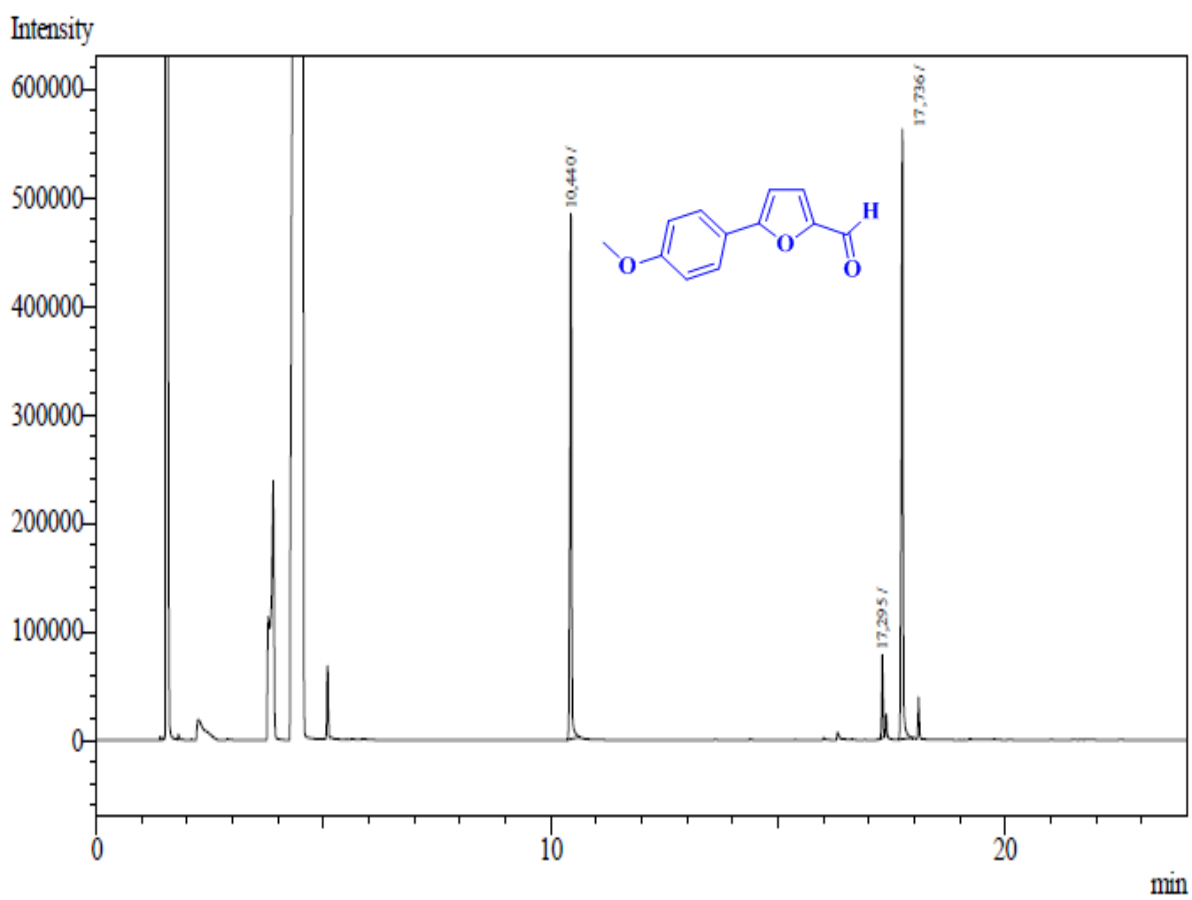


3c

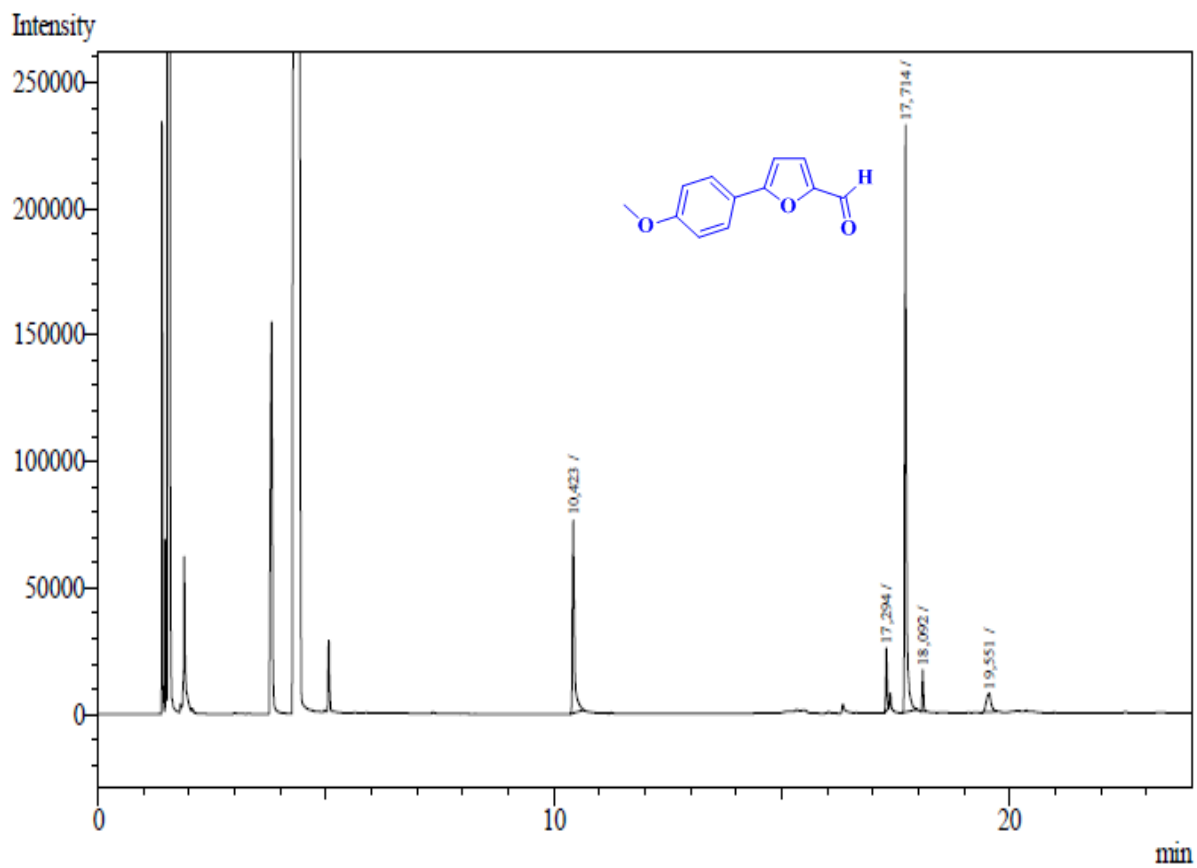




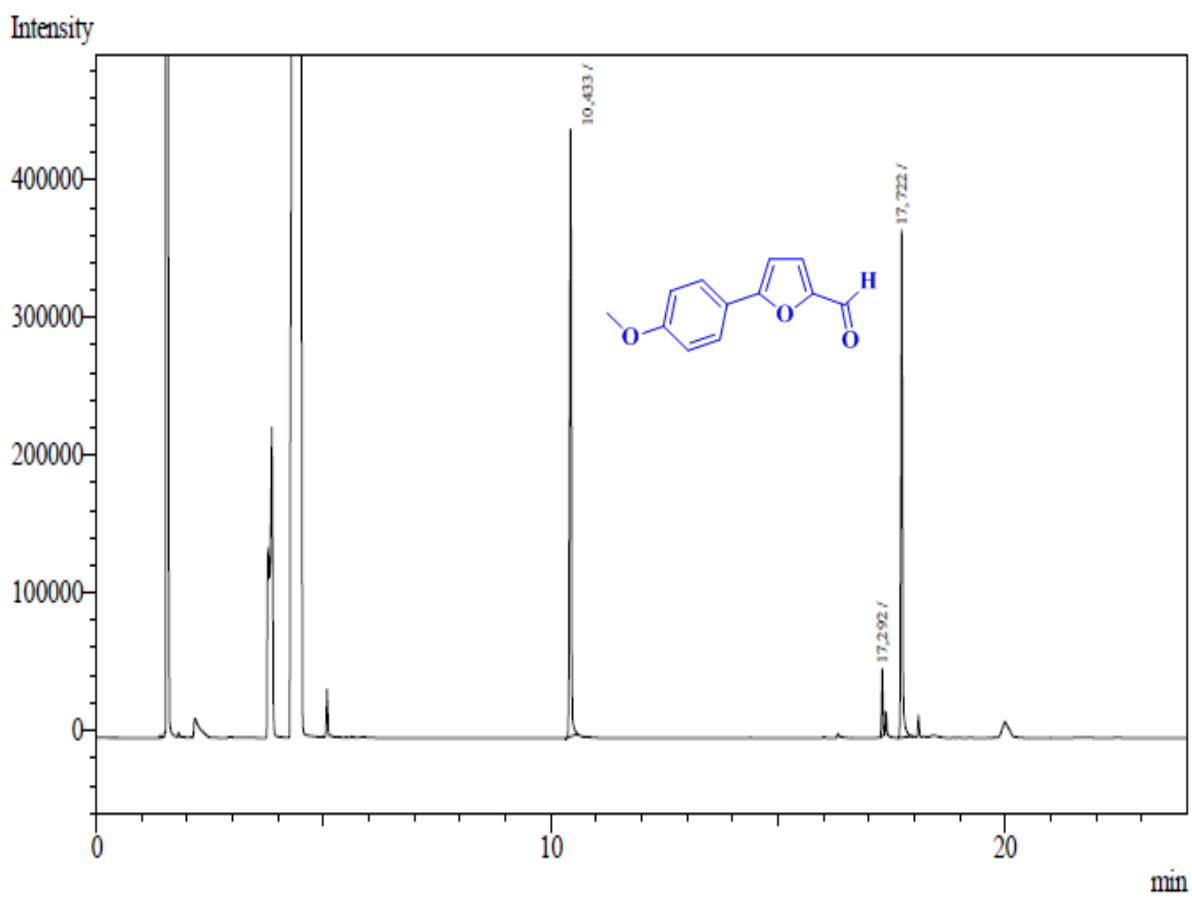
3d



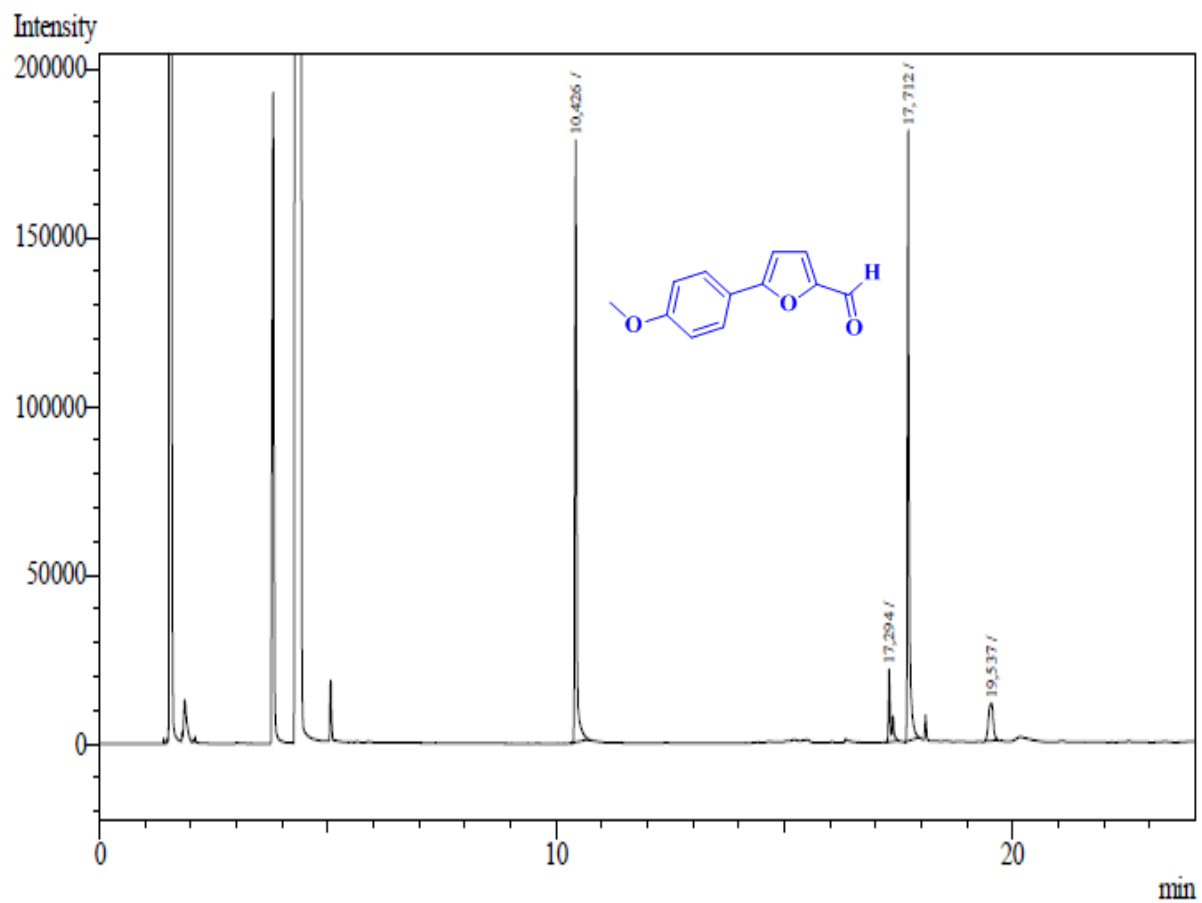
3e



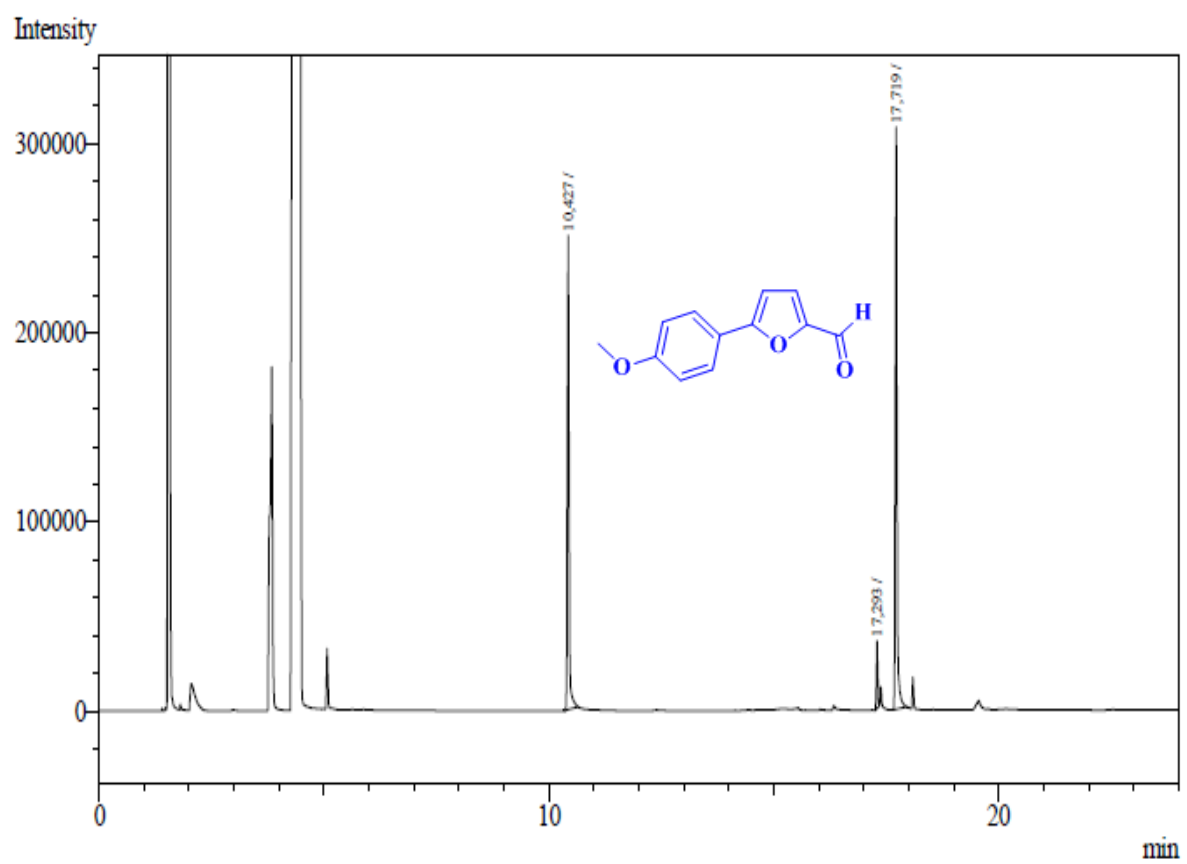
3f



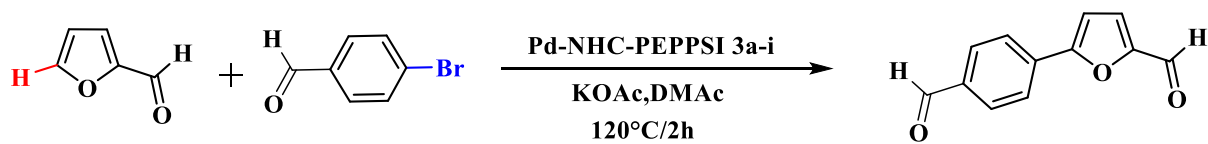
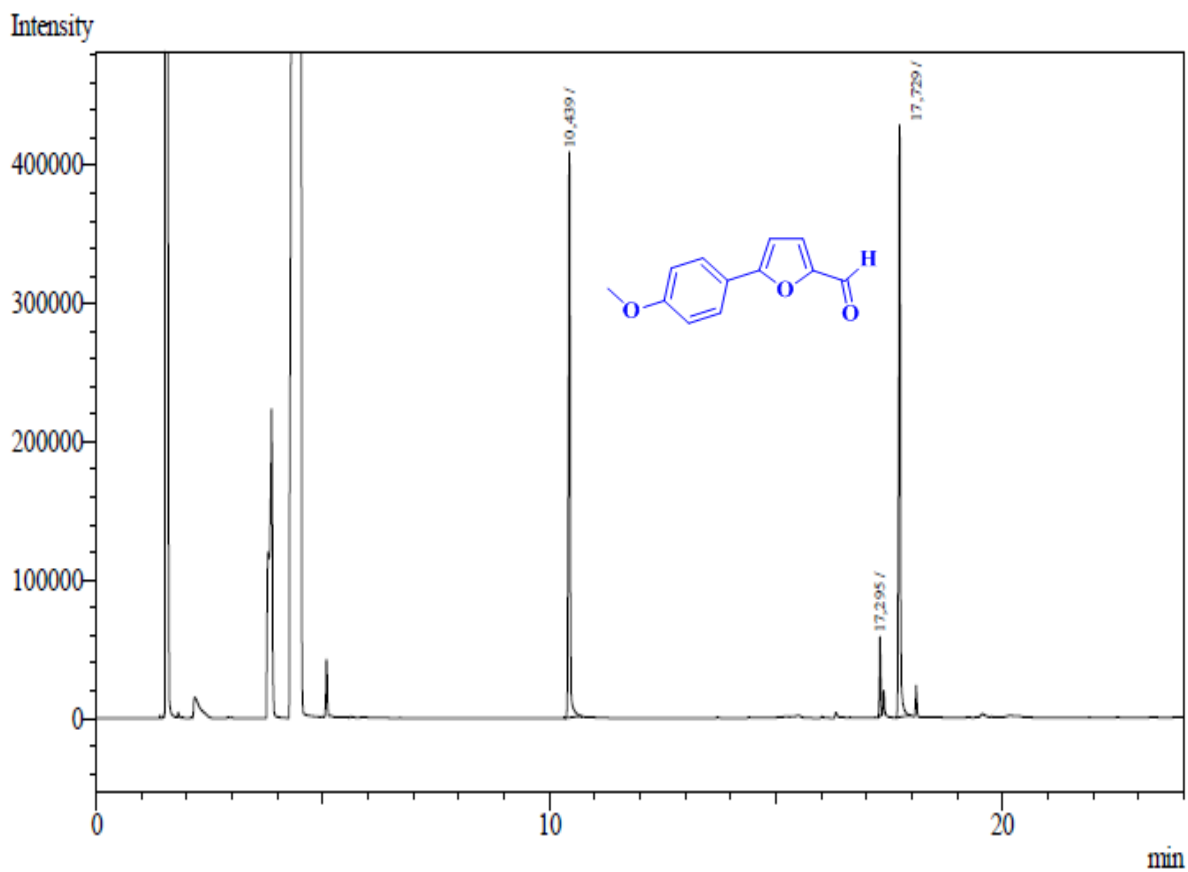
3g



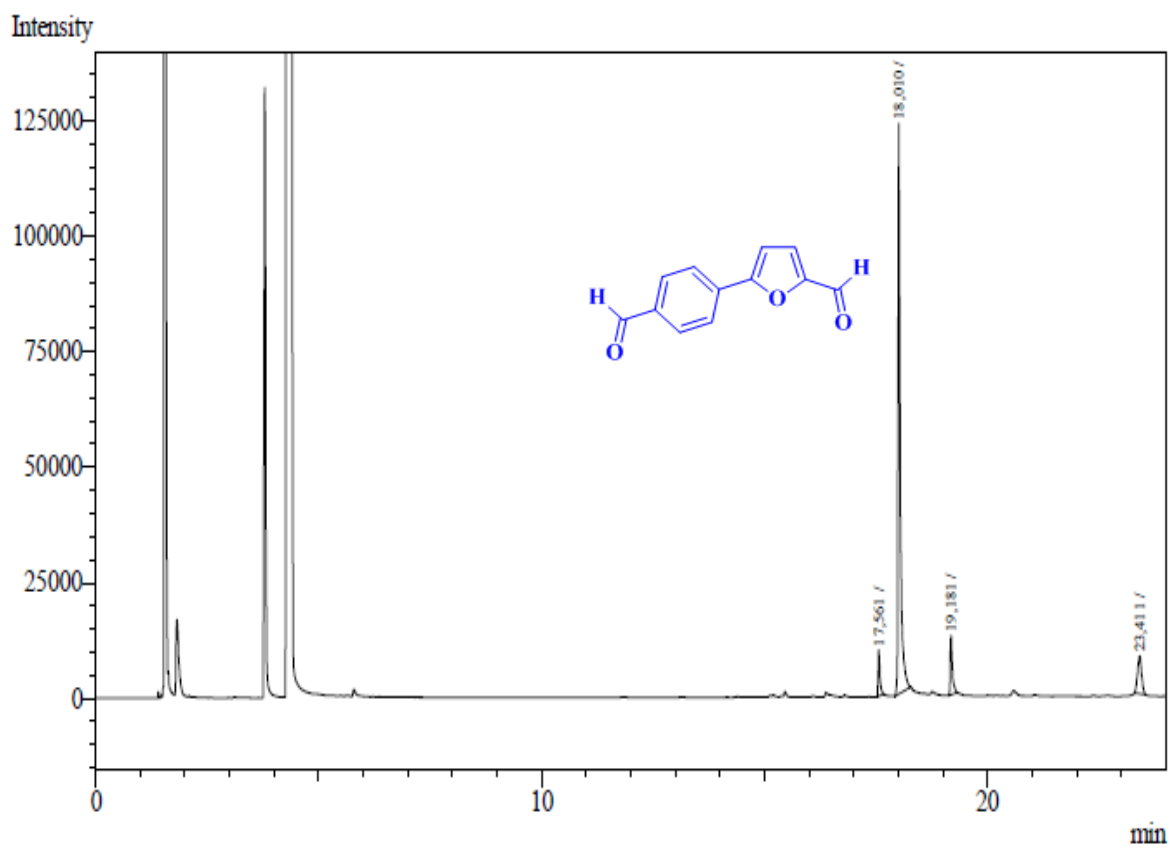
3h



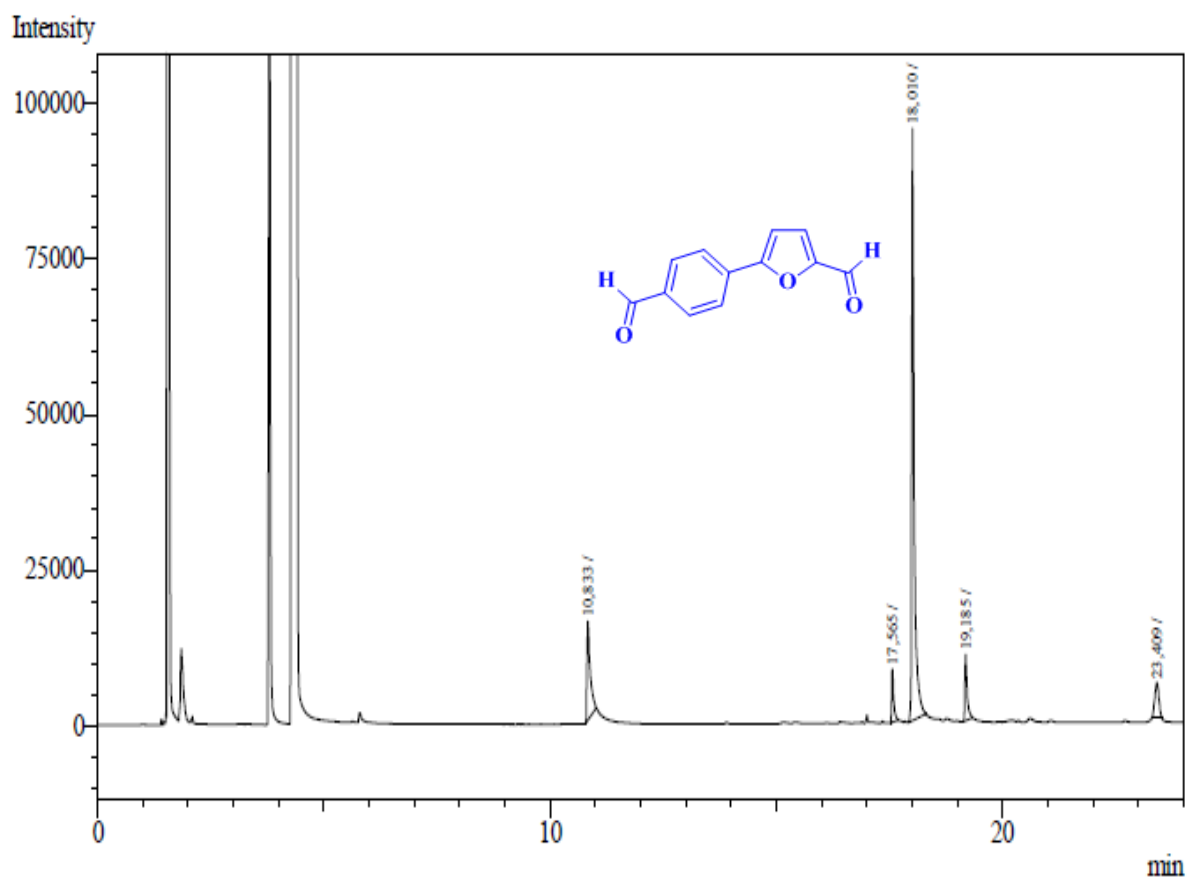
3i



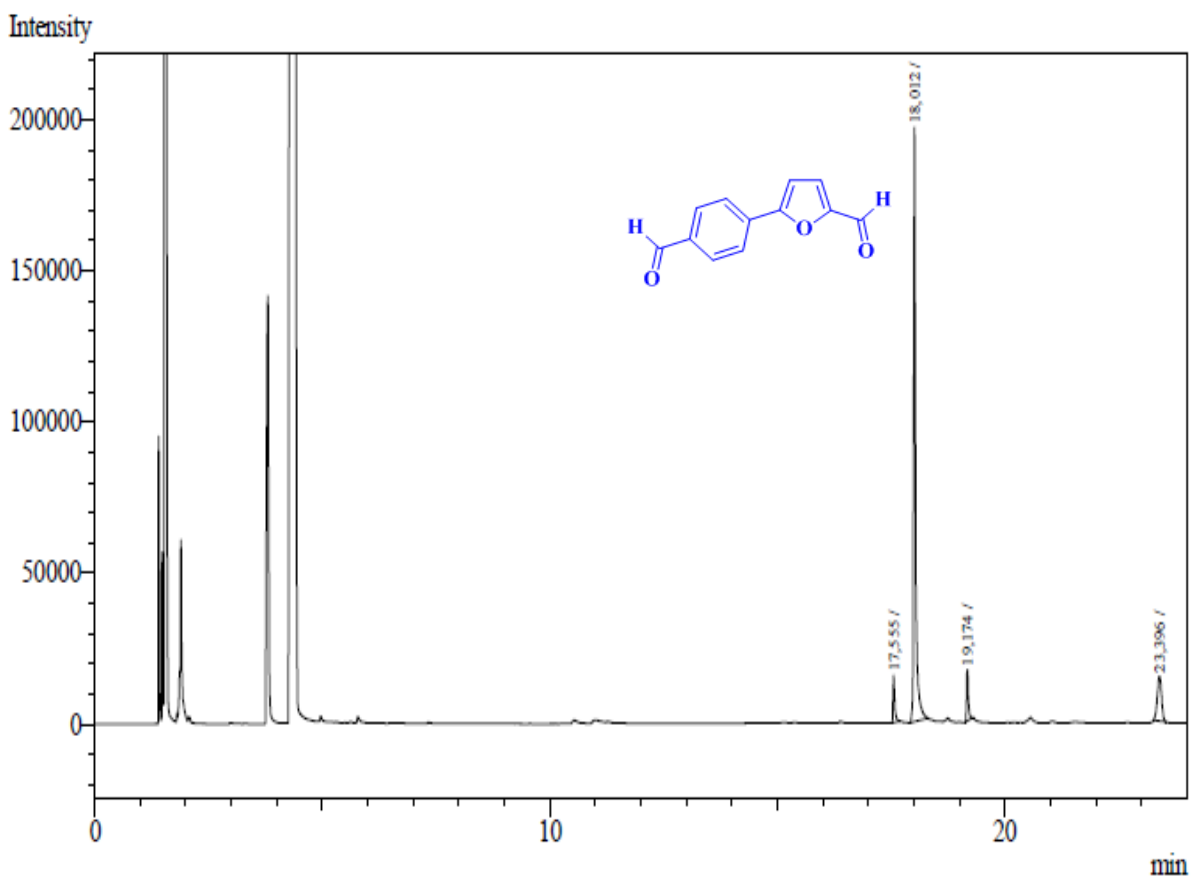
3a



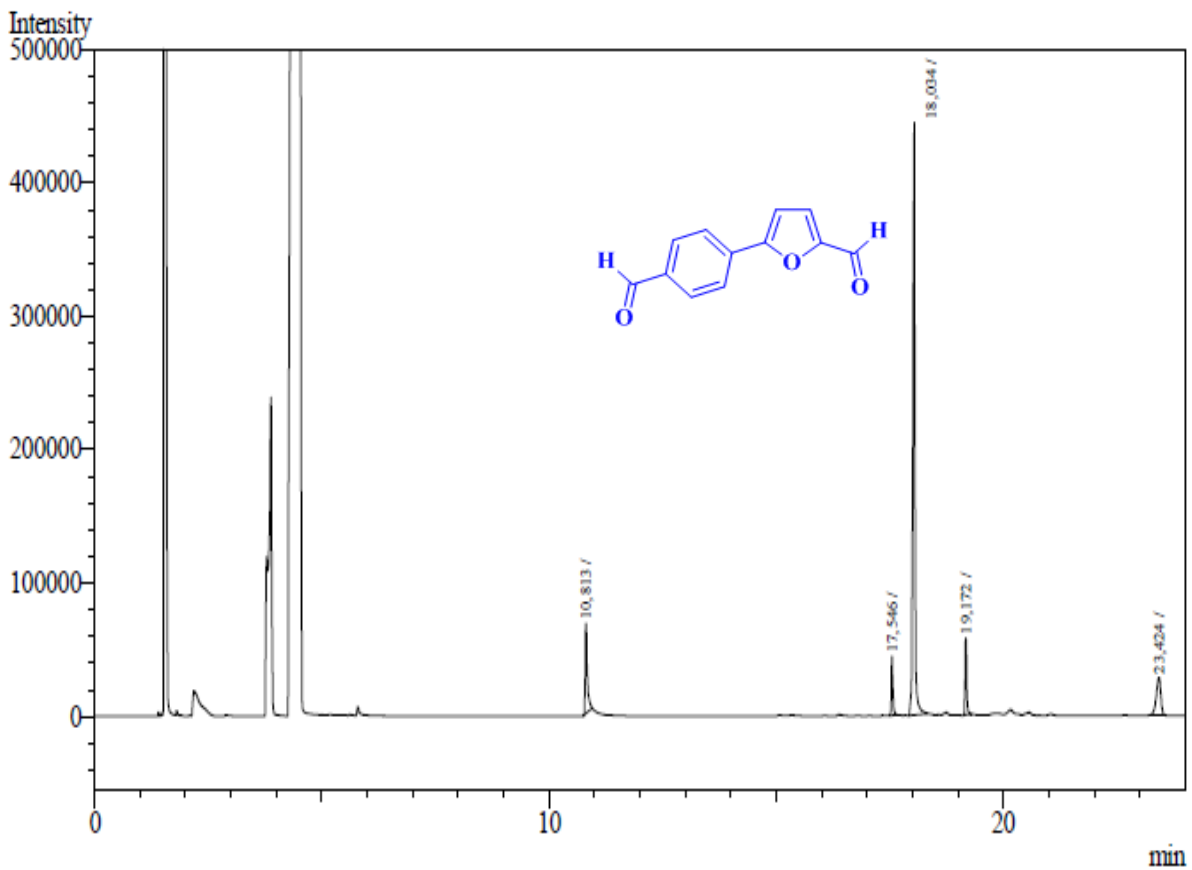
3b



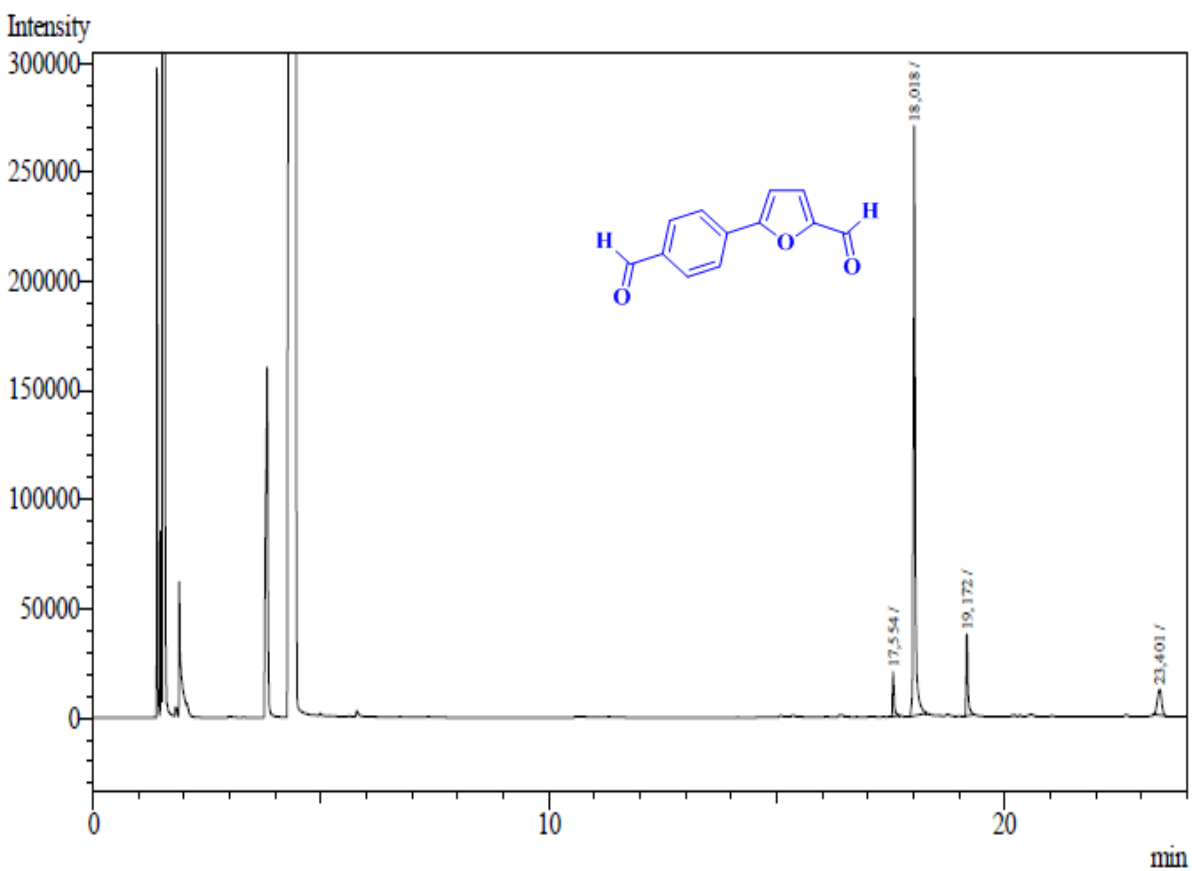
3c



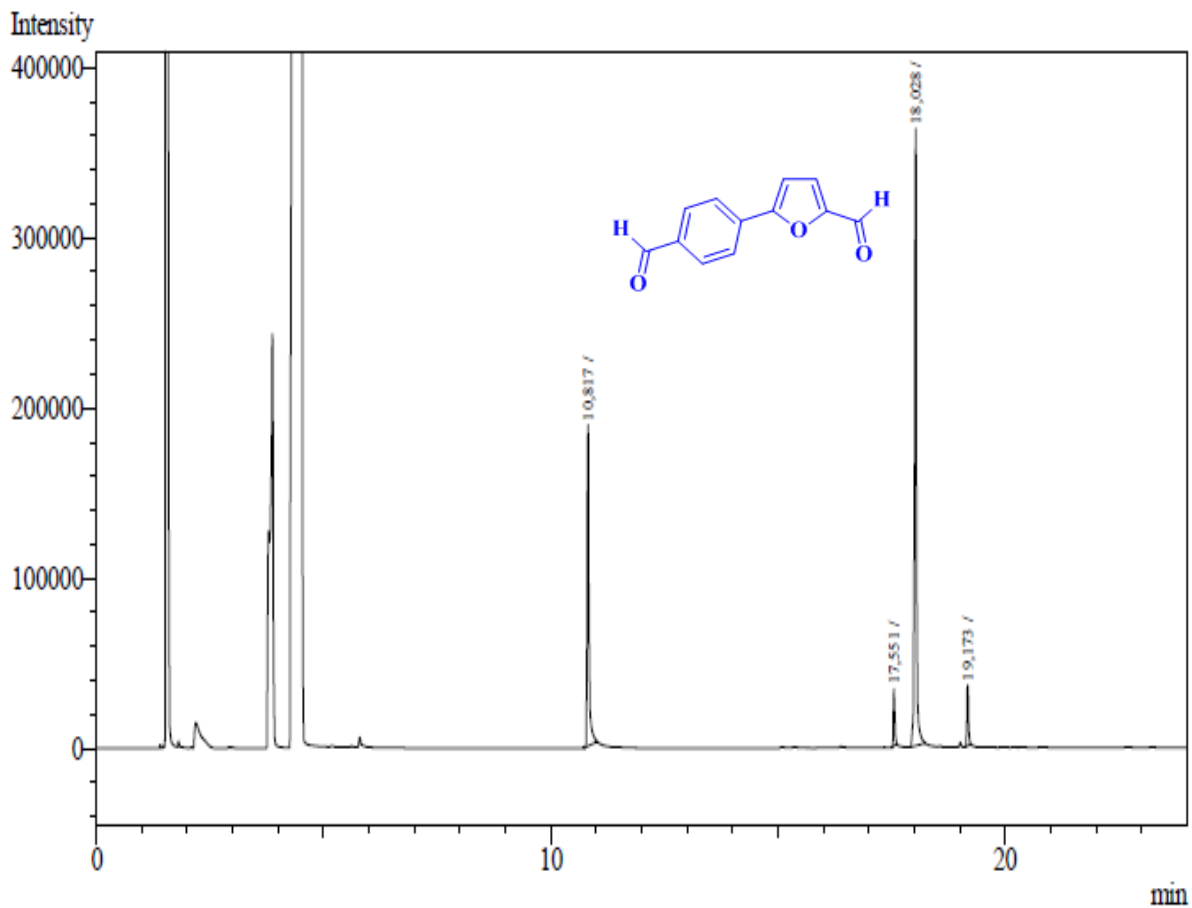
3d



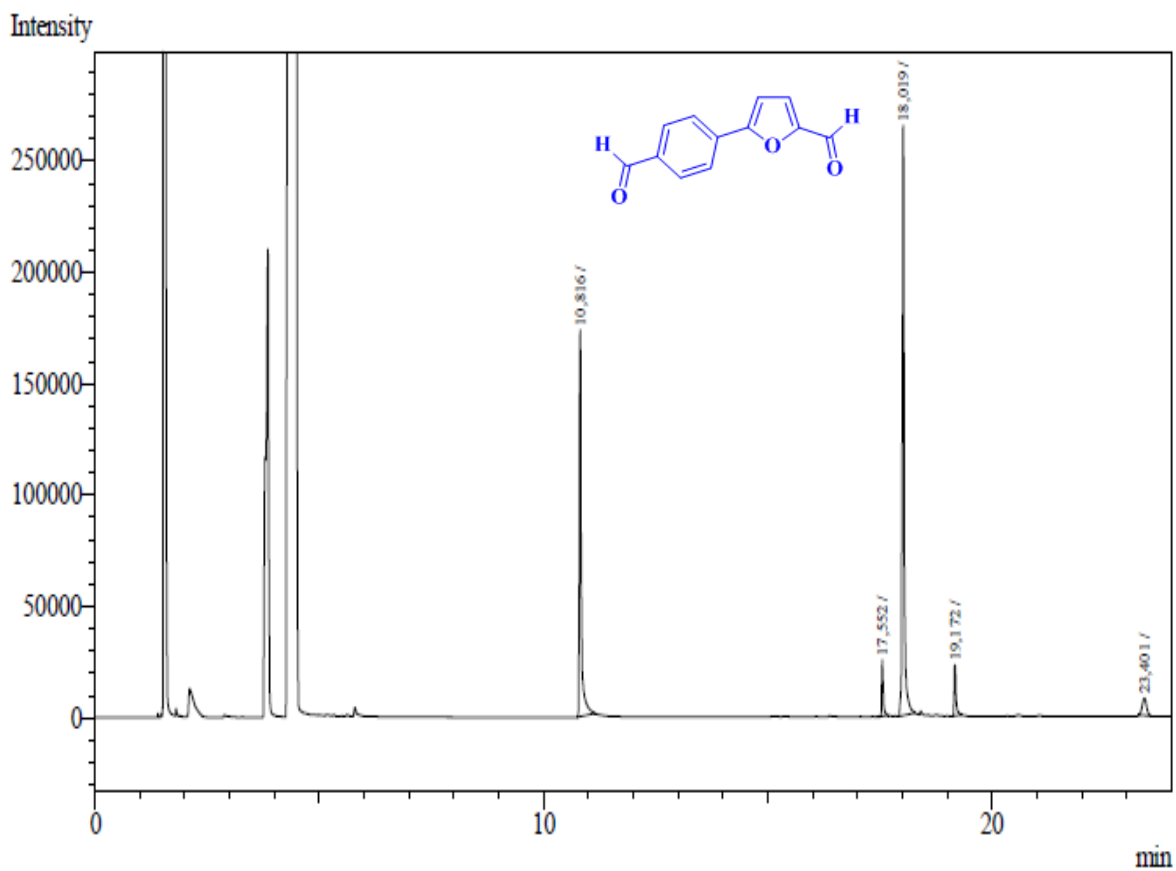
3e



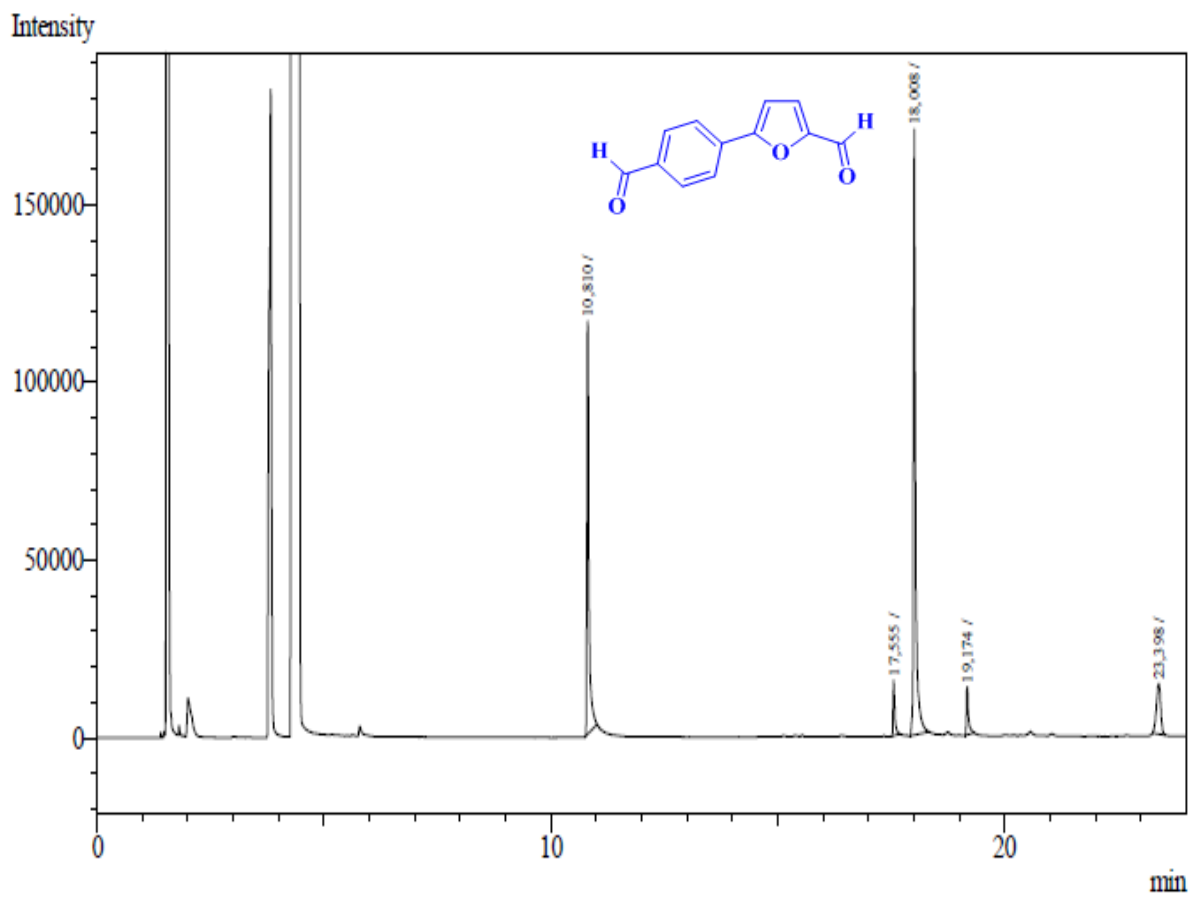
3f



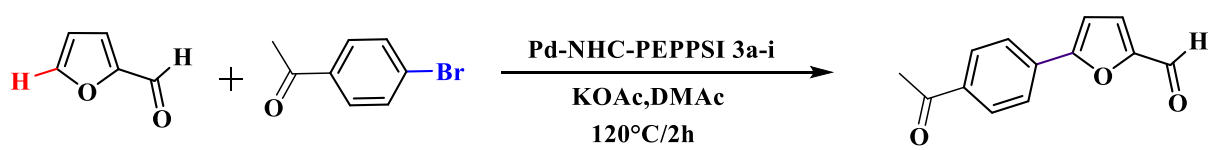
3g



3h

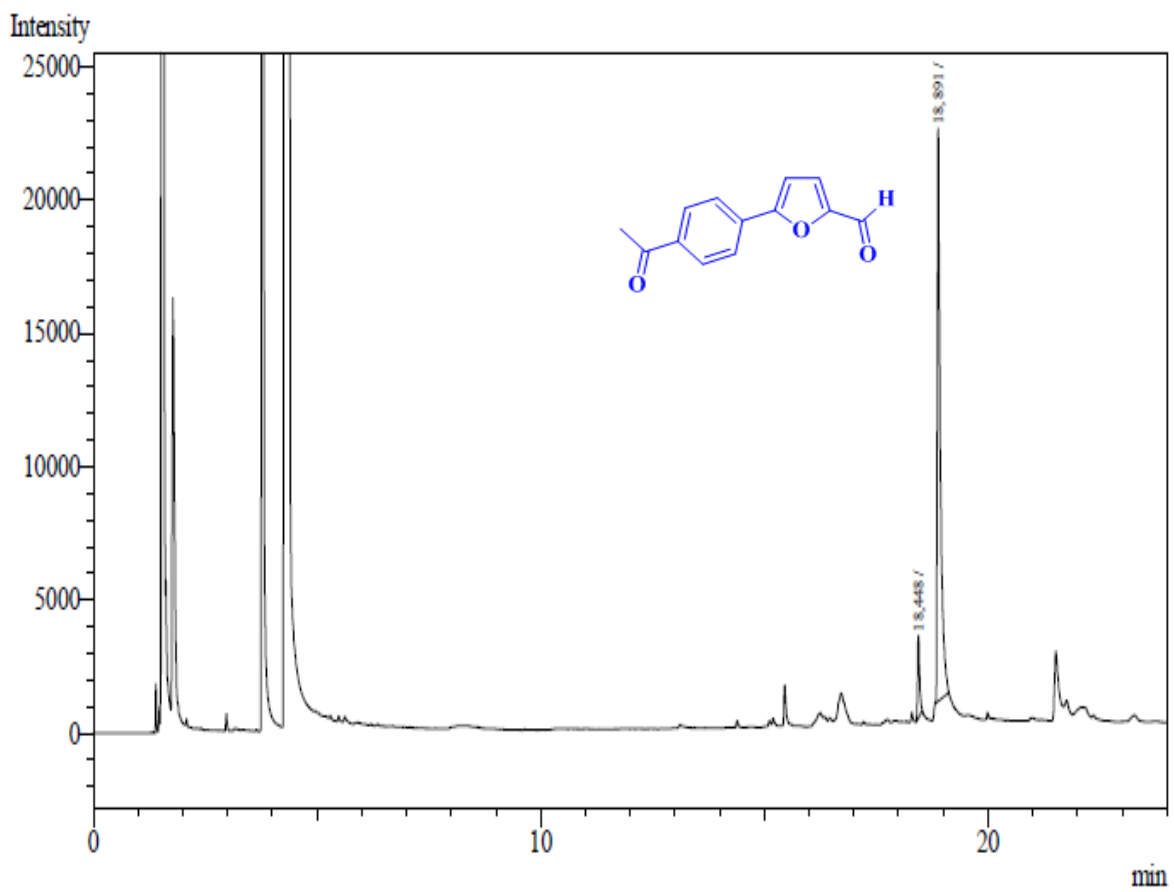


3i

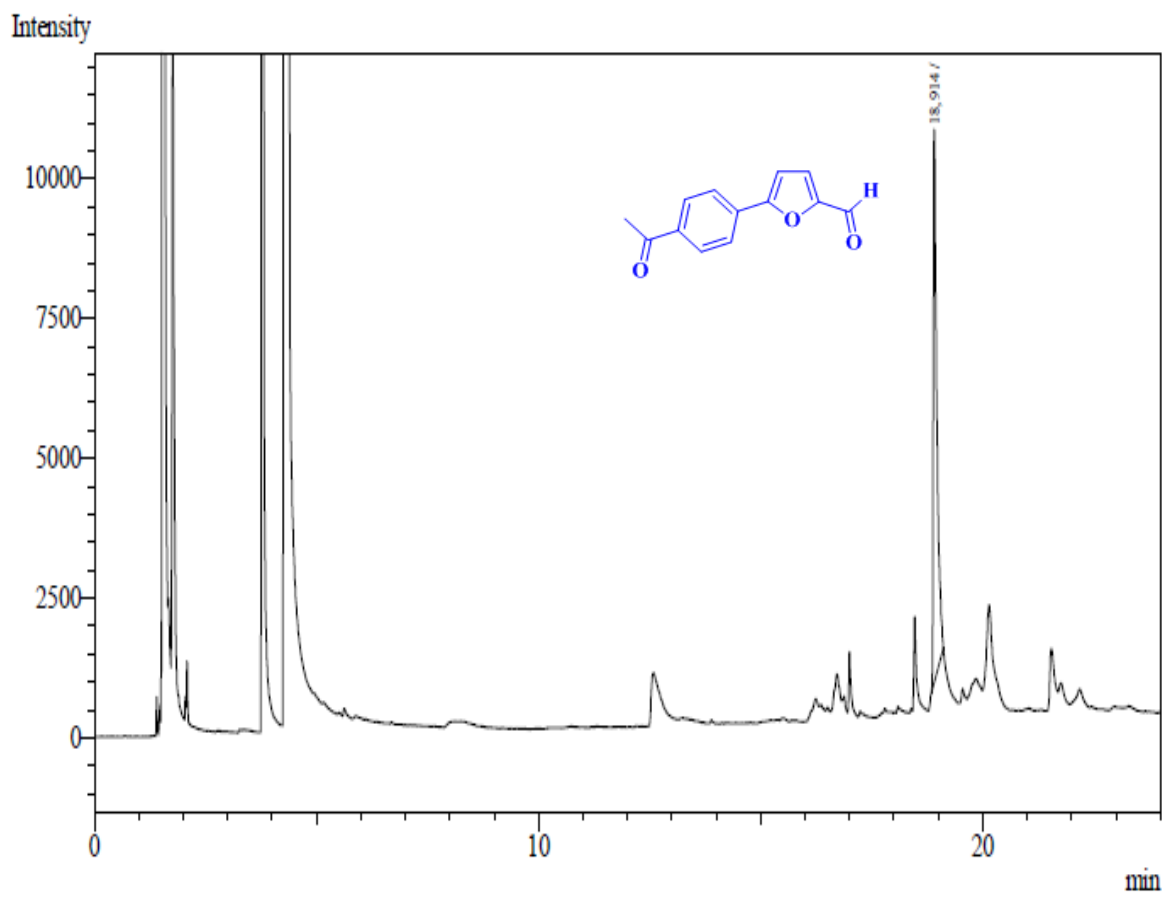


3a

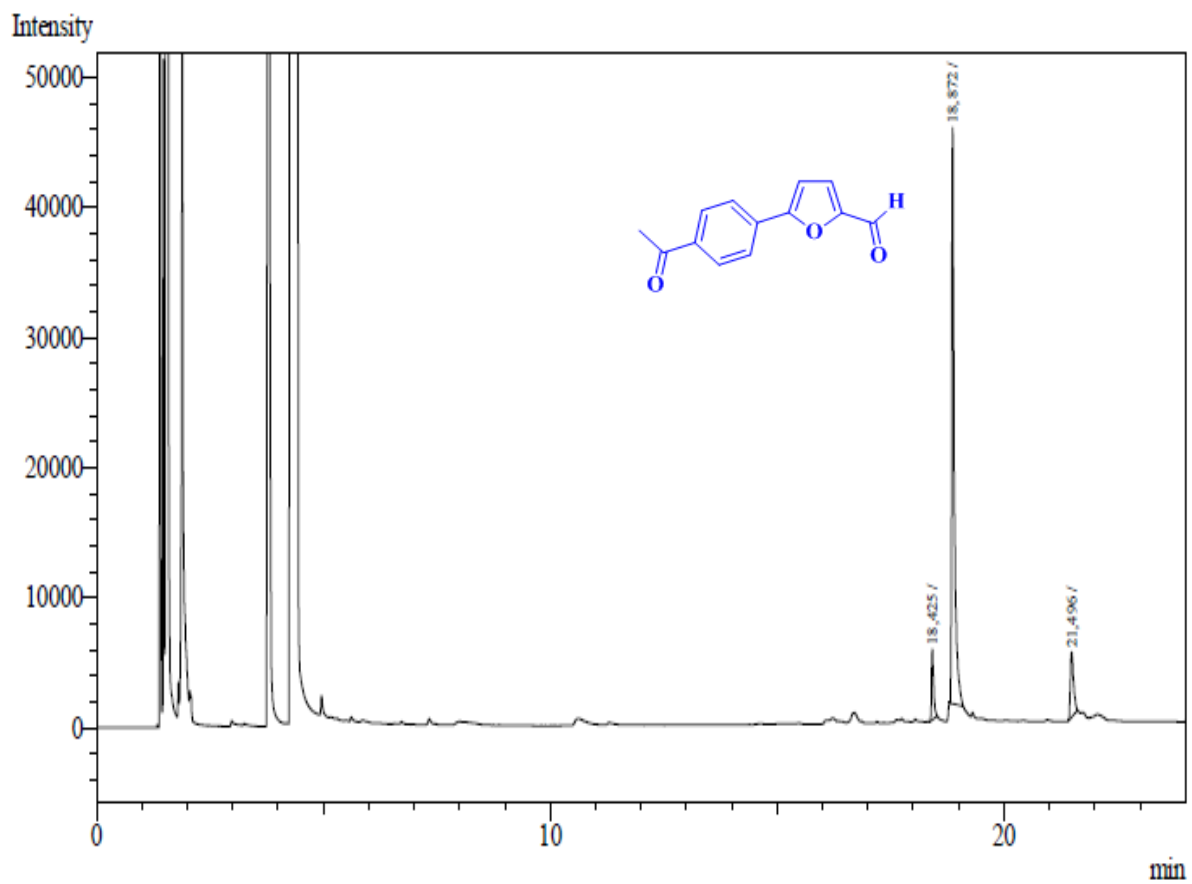




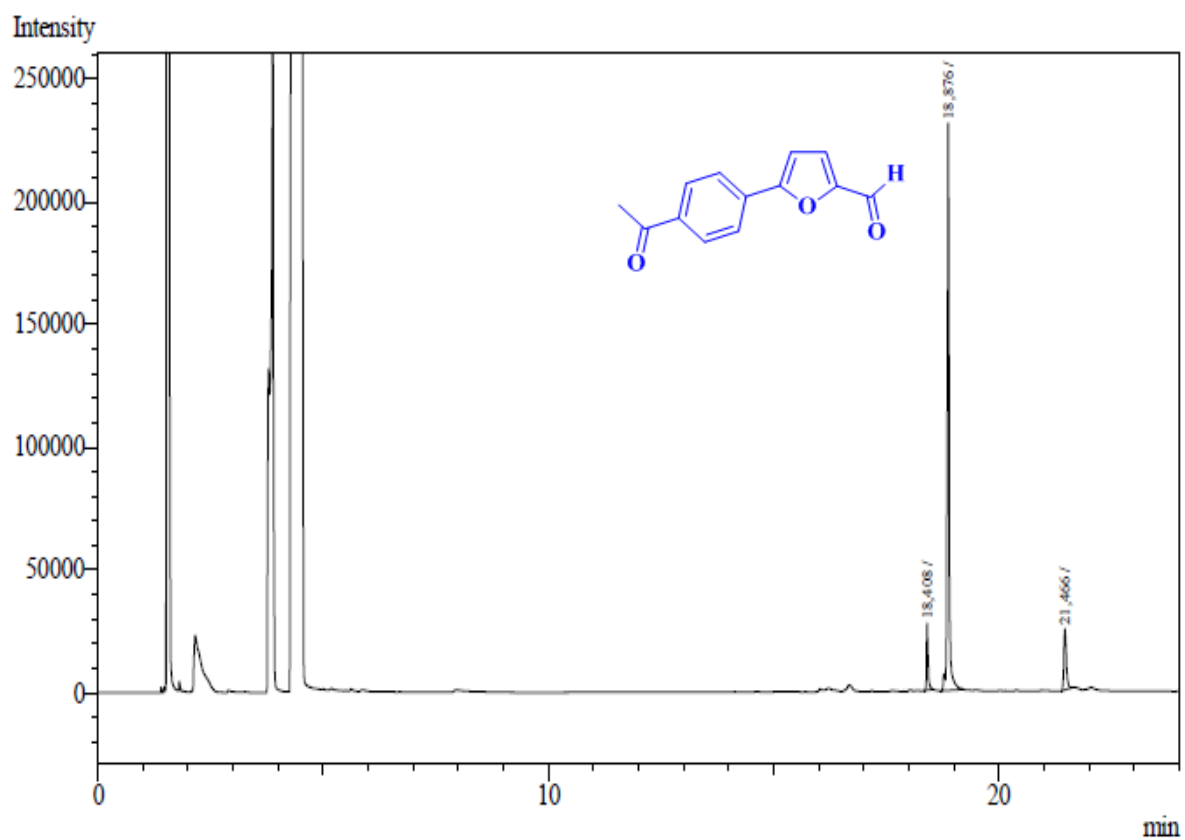
3b



3c

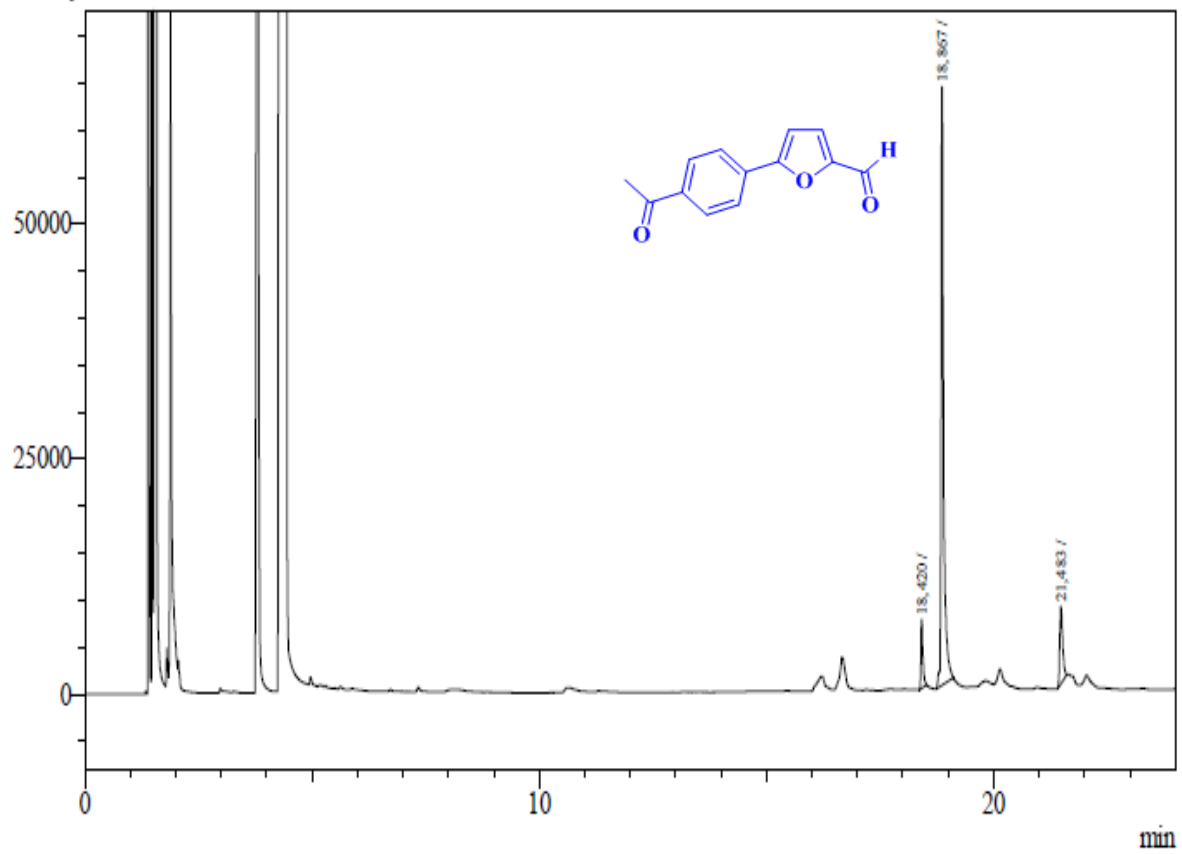


3d



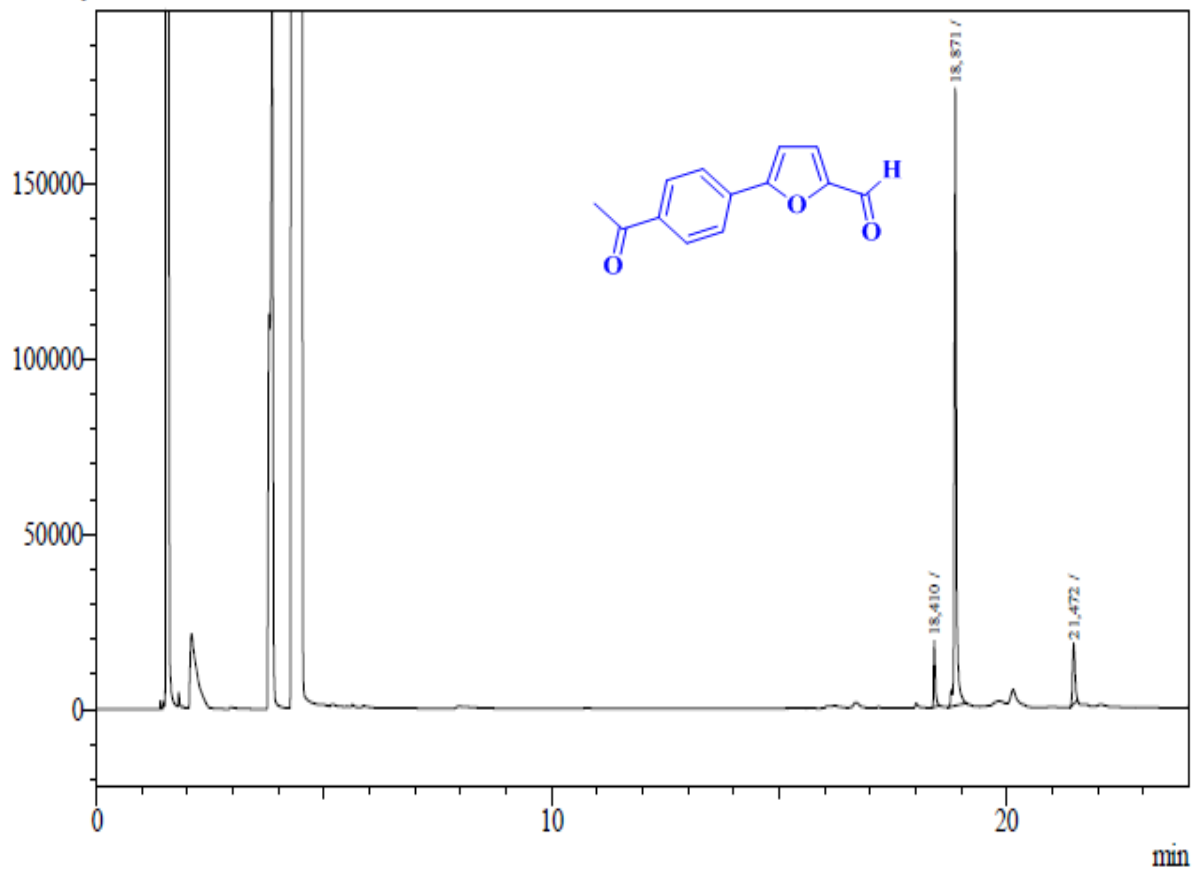
3e

Intensity

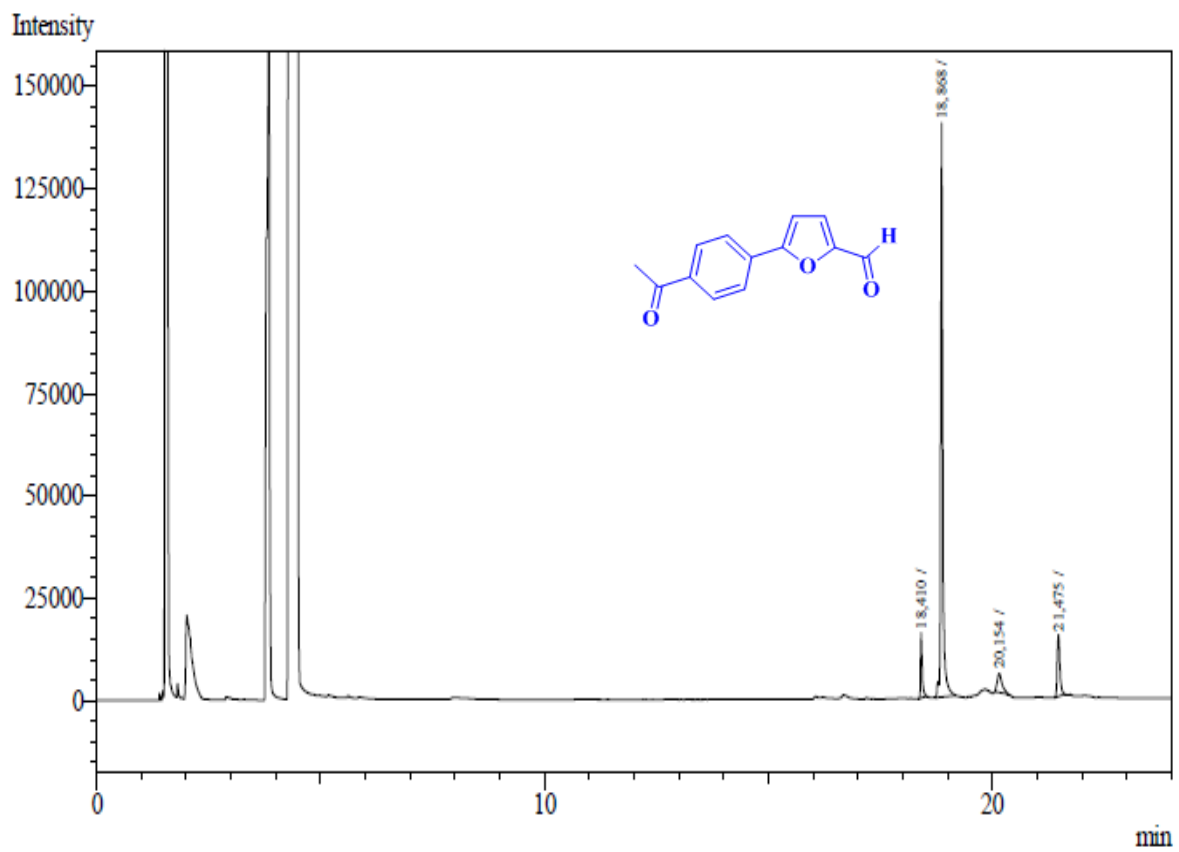


3f

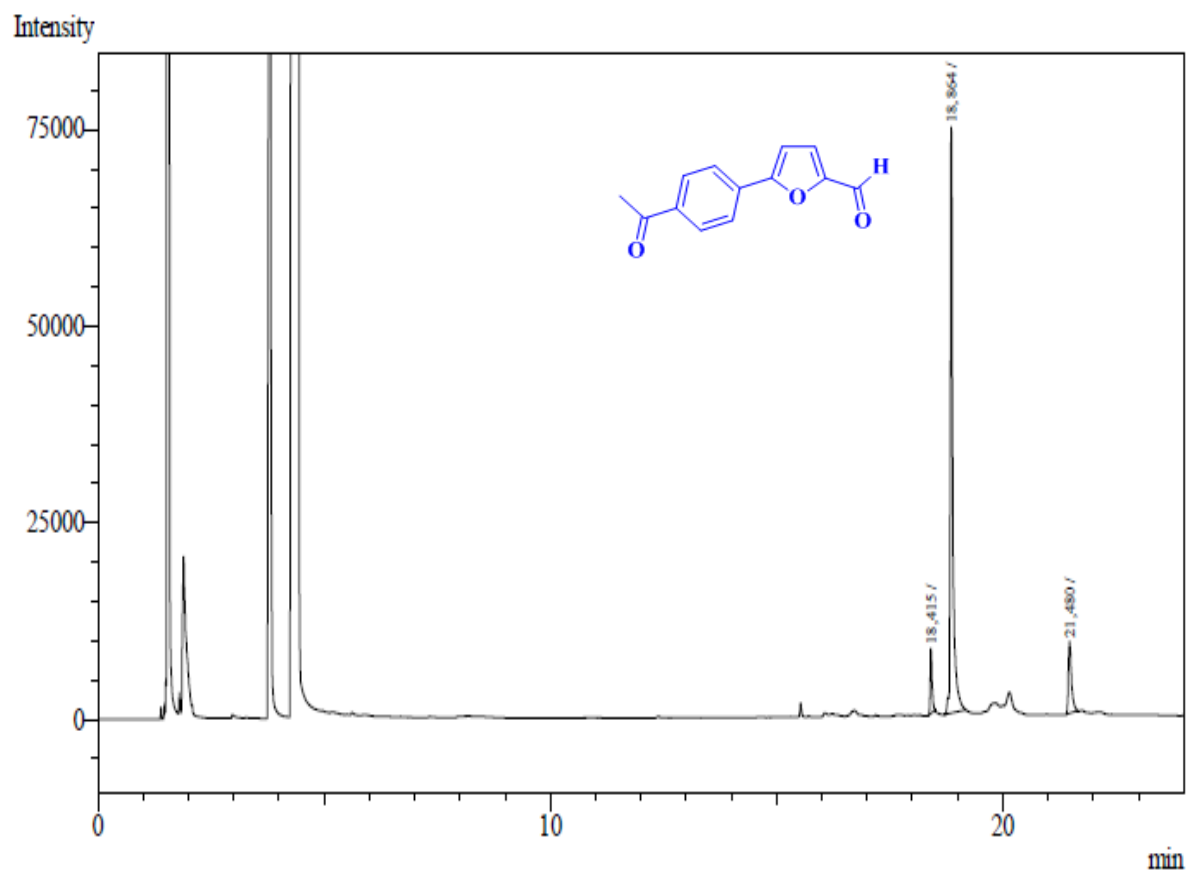
Intensity



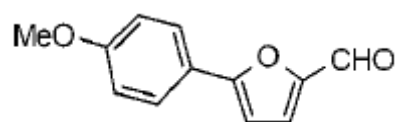
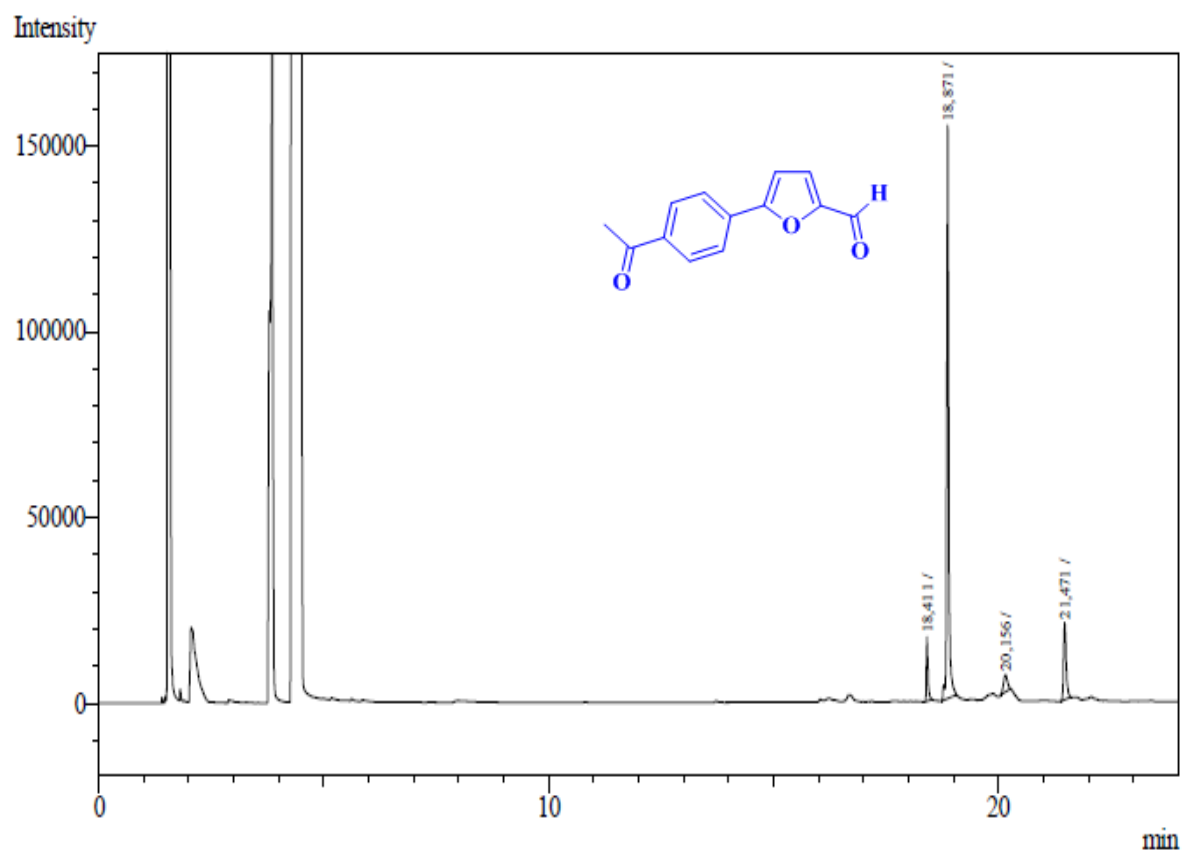
3g

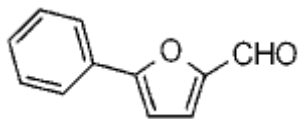
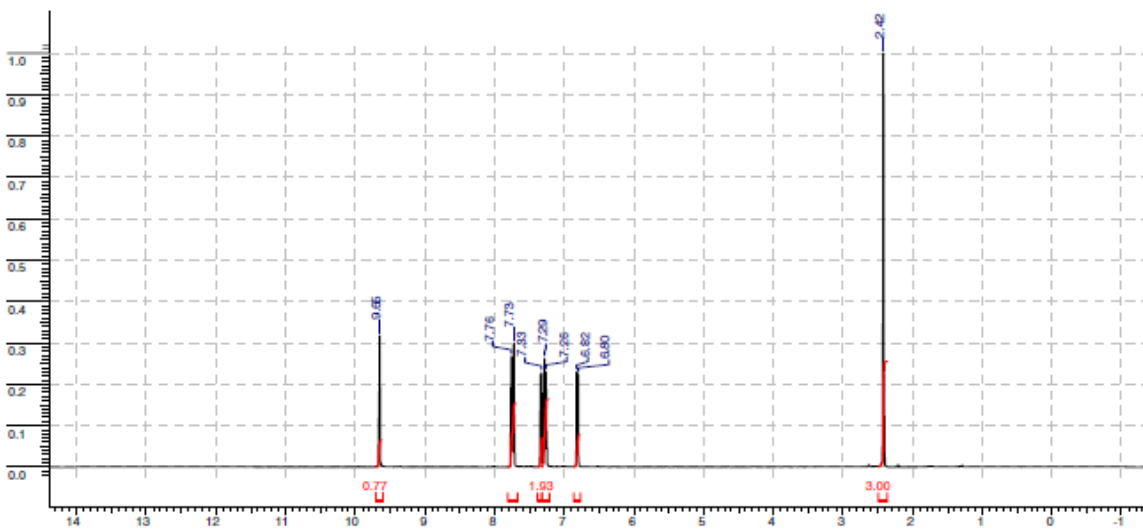
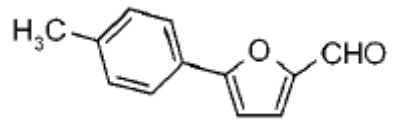
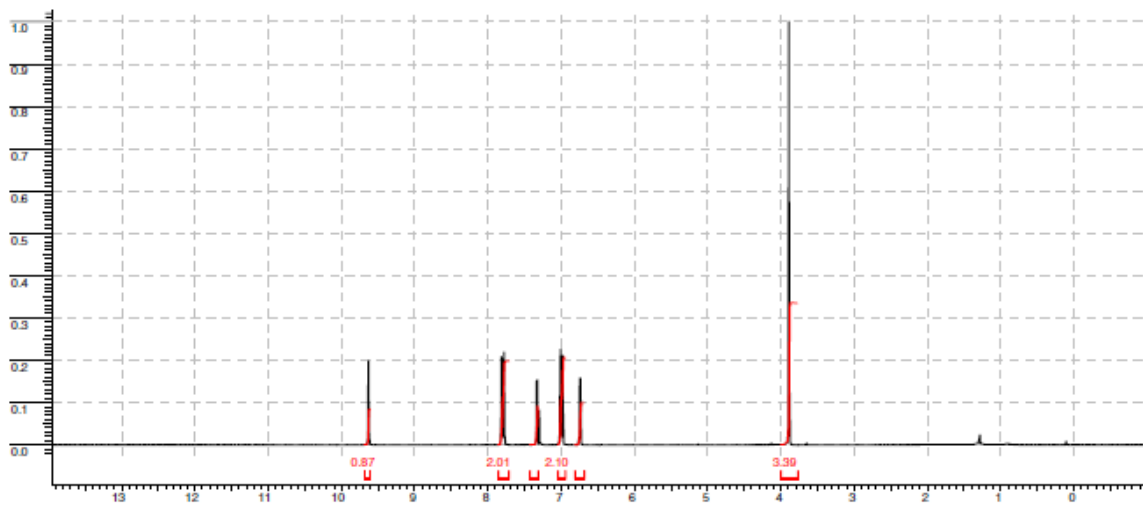


3h



3i





77

