

## S. Supplementary Materials

This part shows the different tables that are related to the different results discussed in the text but could not be included.

**Table S1.** List of the major products present in BW-PS catalytic pyrolytic oil.

Compounds	BW	BW-PS	PS
Furan	✓	✓	
1,2,3-Propanetriol, monoacetate	✓	✓	
Benzene	✓	✓	✓
2,5-dimethyl-Furan	✓	✓	
Acetic acid	✓	✓	
2-propanone, 1-hydroxy-	✓	✓	
Toluene	✓	✓	✓
2-Butene, 1-butoxy-, (E)-	✓	✓	
1,2-Ethanediol, monoacetate	✓		
Ethylbenzene		✓	✓
o-Xylene	✓	✓	✓
p-Xylene		✓	✓
Styrene	✓	✓	✓
Furfural	✓	✓	
2-Cyclopenten-1-one	✓		
Benzene, 2-propenyl-		✓	
$\alpha$ -Methylstyrene		✓	✓
2-Cyclopenten-1-one, 2-hydroxy-	✓	✓	
Indane		✓	✓
Benzene, (1-methylenepropyl)-	✓	✓	
Indene	✓	✓	✓
Phenol	✓	✓	
Guaiacol	✓	✓	
Naphthalene	✓	✓	✓
Orthocresol	✓	✓	
3-methylphenol	✓	✓	
Phenol, 2,6-dimethyl-	✓	✓	
Naphthalene, 2-methyl-	✓	✓	✓
Naphthalene, 1-methyl-	✓	✓	✓
Eugenol	✓	✓	
Levoglucozan	✓	✓	