Table S1 Main pyrolytic products of tagua nut from Py-GC/MS experiments

Compounds	RT
Anhydrosugars	
1,4:3,6-dianhydro-α-D-glucopyranose	8.907
1,6-Anhydro-β-D-mannpyranose, Levomannosan	12.257
1,6-Anhydro-β-D-glucopyranose, Levoglucosan	12.618
Furans	
3-Furanmethanol	4.976
Furfural	5.012
2-Ethyl-5-methyl-furan	5.862
5-Methy-l,2-furancarboxaldejhyde	6.564
2(5*H*-Furanone)	6.627
5-Hexyldihydro-2(3*H*)-furanone	6.779
Furaneol	7.979
Methyl-2-furoate	8.021
5-Hdroxymethylfurfural	9.866
Ketones	
1,2-Cyclopentanedione	6.108
2,2,7-trimethyl-octa-5,6-dien-3-one	8.718
5-Hydroxy-2-(hydroxymethyl)-4*H*-pyran-4-one	8.907
Esters	
2,3-Pentadienoic acid, ethyl ester	5.206
2,3-Nonadienoic acid, ethyl ester	8.268
Acids	
4-Methylcyclohexaneacetic acid	5.128
2-Ethyl-2,3,3-trimethylbutanoic acid	5.322
2-Methyl-2-(1-methylethyl)-butanedioic acid	7.833

Table S2 Main pyrolytic products of bodhi root from Py-GC/MS

Compound	RT
Anhydrosugars	
1,4:3,6-dianhydro-β-D-glucofuranose	8.891
1,6-Anhydro-β-D-mannpyranose, Levomannosan	12.210
1,6-Anhydro-β-D-glucopyranose, Levoglucosan	12.580
Furans	
3-Furanmethanol	4.976
Furfural	5.012
5-Methy-l,2-furancarboxaldejhyde	6.564
2(5*H*-Furanone)	6.627
Furaneol	7.978
5-Heptyldihydro-2(3*H*)-furanone	8.042
5-Hydroxymethylfurfural	9.851
Ketones	
1,2-Cyclopentanedione	6.108
2,2,7-trimethyl-octa-5,6-dien-3-one	8.718
5-Hydroxy-2-(hydroxymethyl)-4*H*-pyran-4-one	8.907
Esters	
2,3-Pentadienoic acid, ethyl ester	5.206
2,3- Nonadienoic acid, ethyl ester	8.268
Acids	
4-Methylcyclohexaneacetic acid	5.128
2-Ethyl-2,3,3-trimethylbutanoic acid	5.322
2-Methyl-2-(1-methylethyl)-butanedioic acid	7.833
Dodecanoic acid	11.339

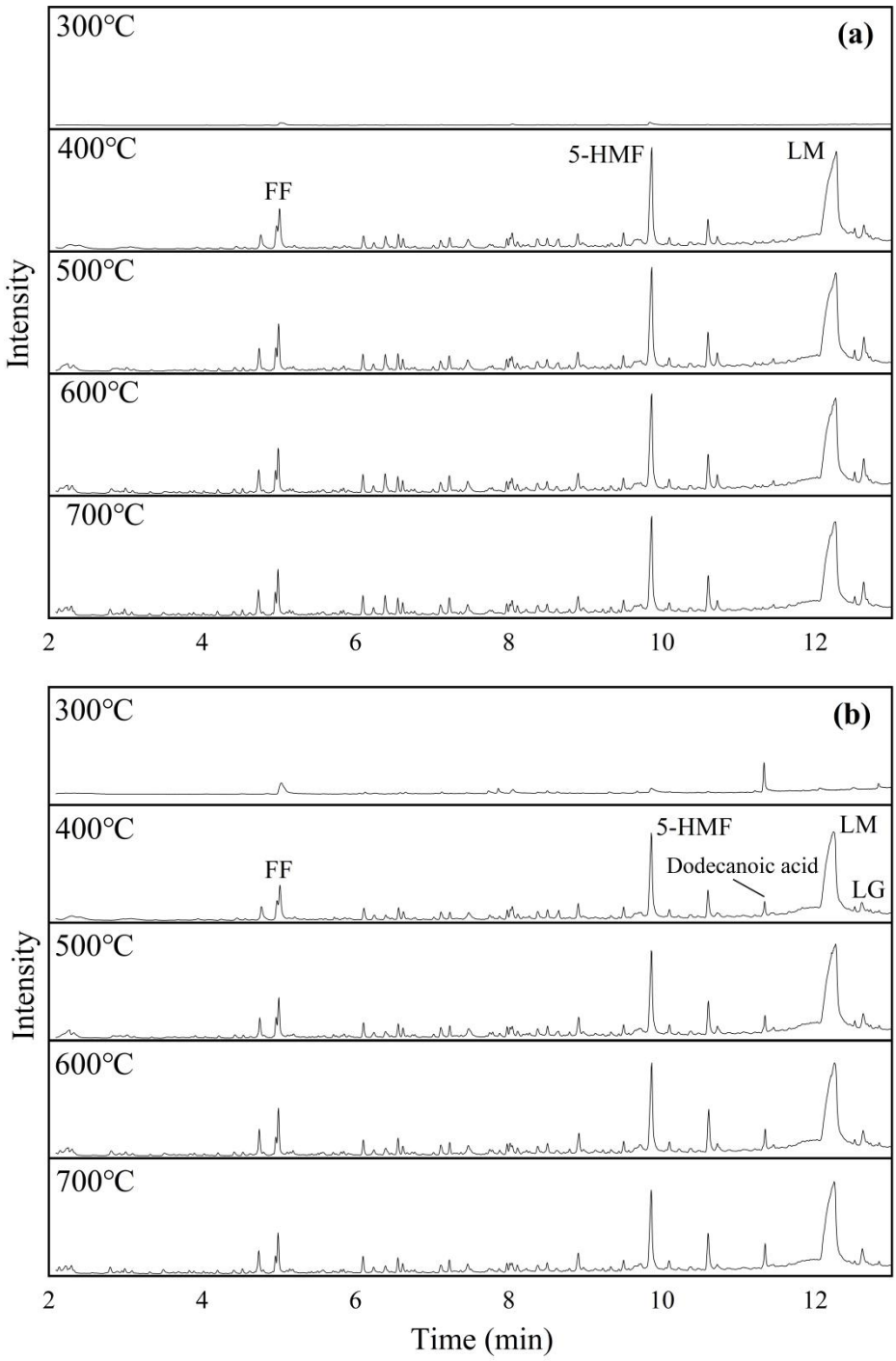

Fig. S1 Ion chromatograms of the pyrolysis products of tagua nut (a) and bodhi roots (b) from Py-GC/MS experiments.

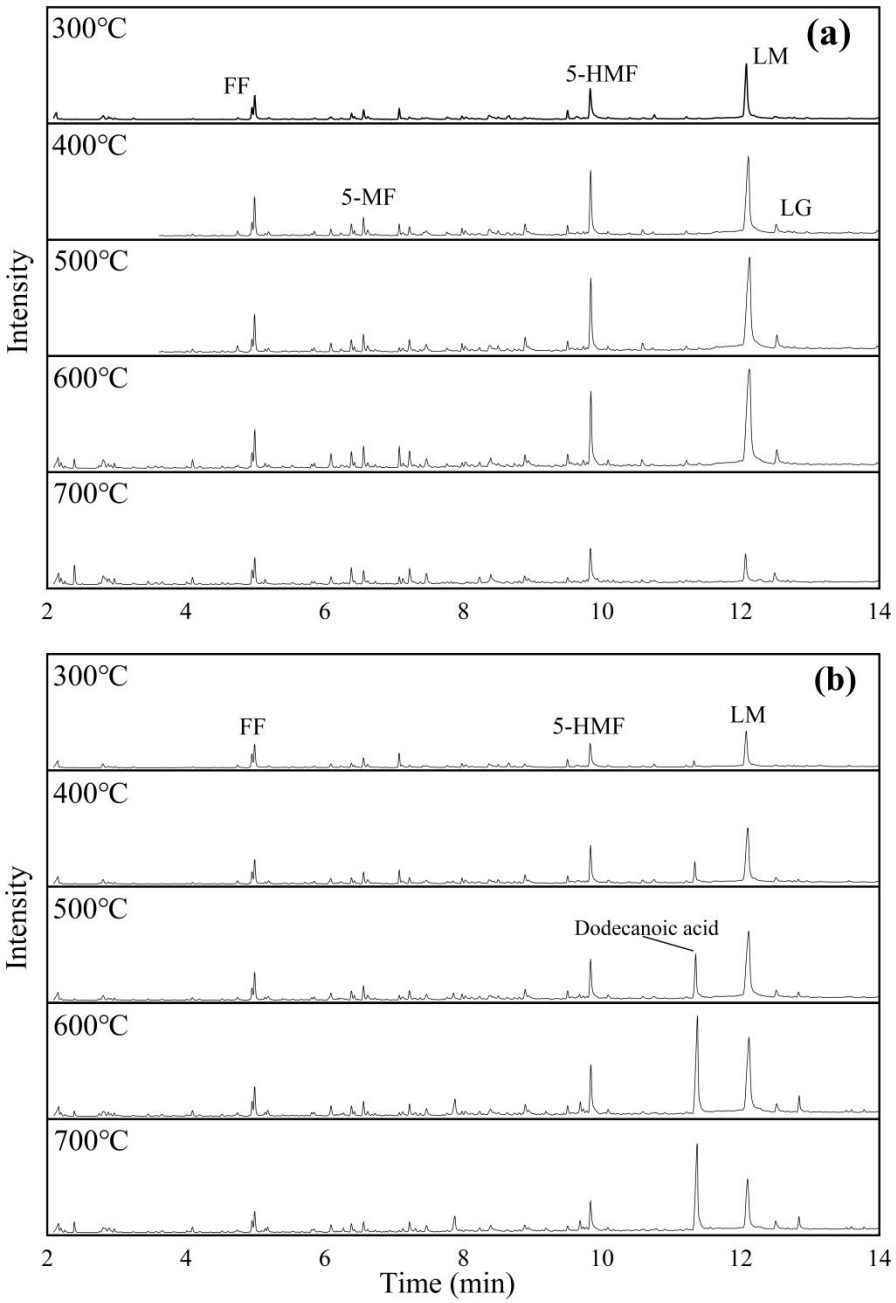

Fig. S2 Ion chromatograms of the pyrolysis products of tagua nut (a) and bodhi roots (b) from fixed-bed experiments.