

Supplementary Material

Characterization of organic isomers: CID fragmentation technique on protonated hydroxybenzophenone isomers

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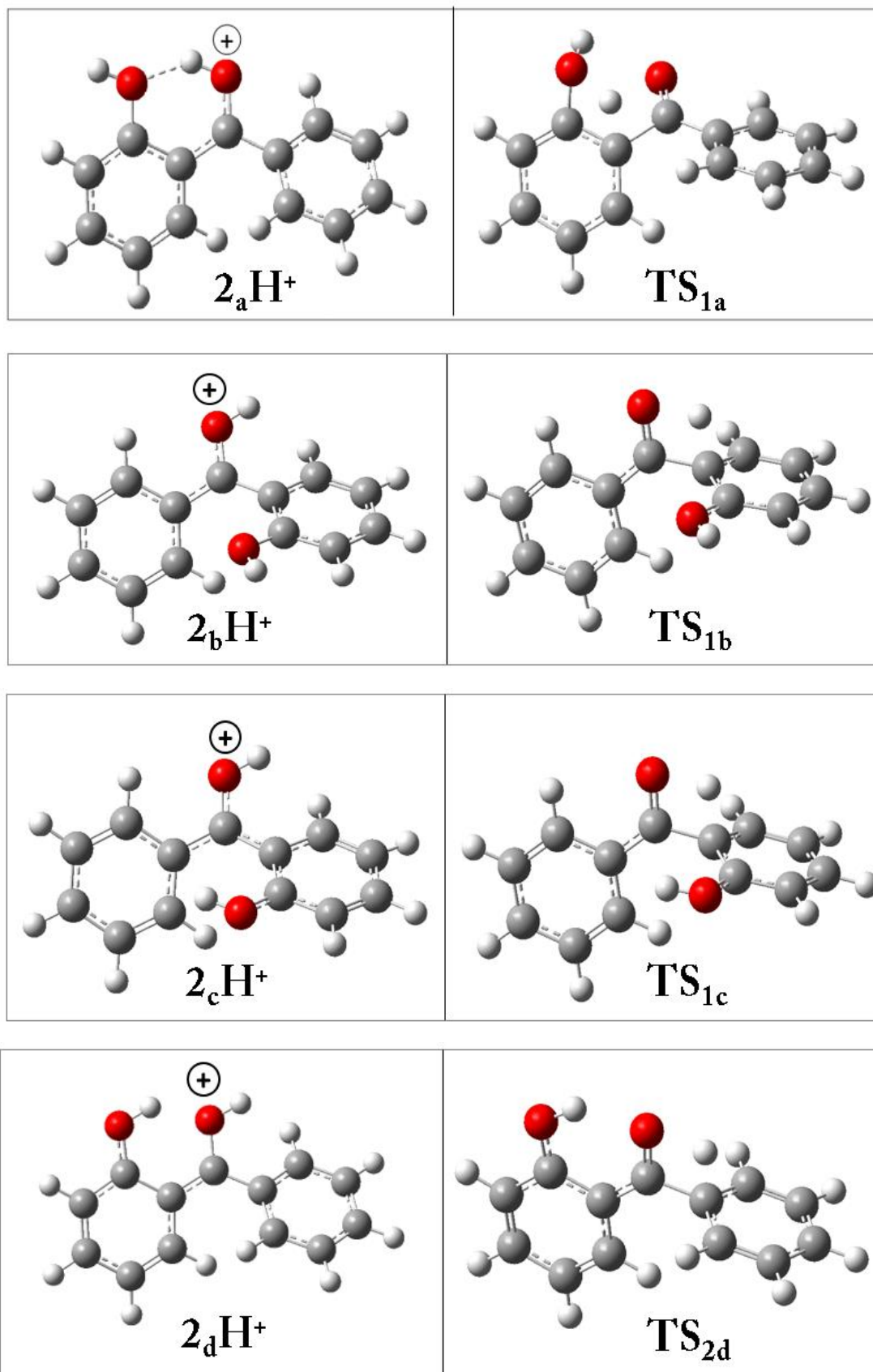
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Figure S1. Optimized geometries, at the B3LYP/6-311++G(d,p) level of theory, of the of 2H^+ rotamers and the transition states of their corresponding fragmentation routes.



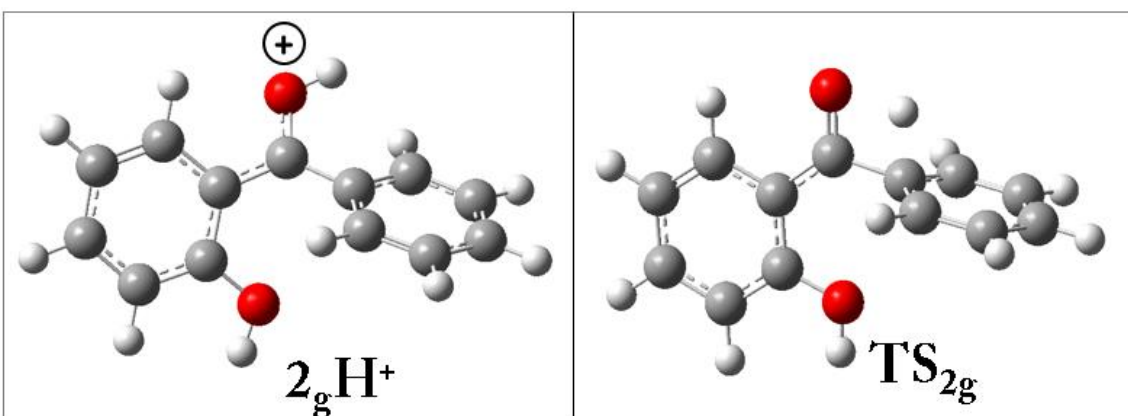
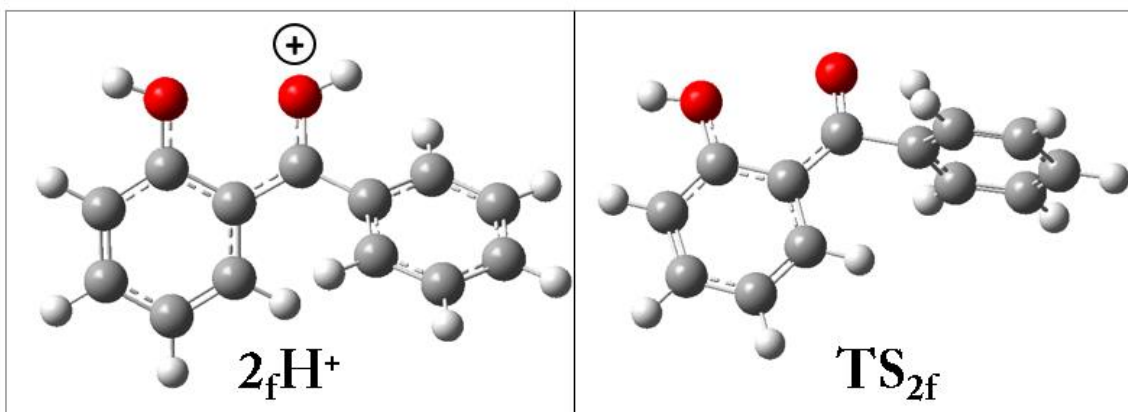
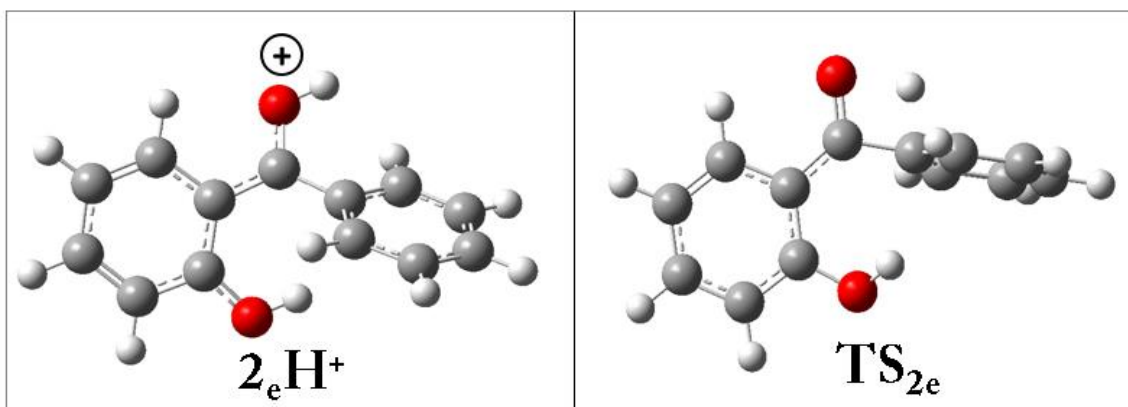
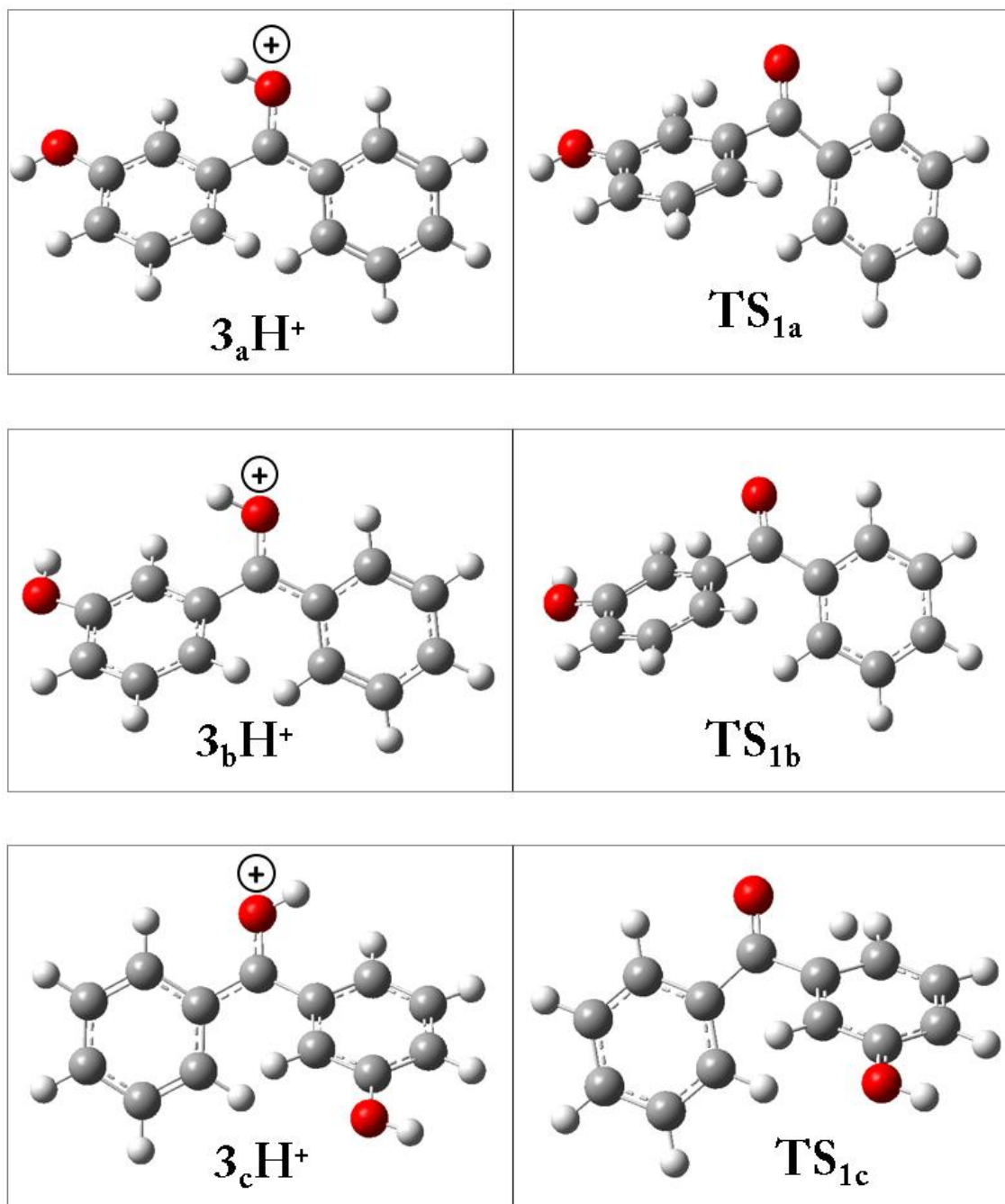
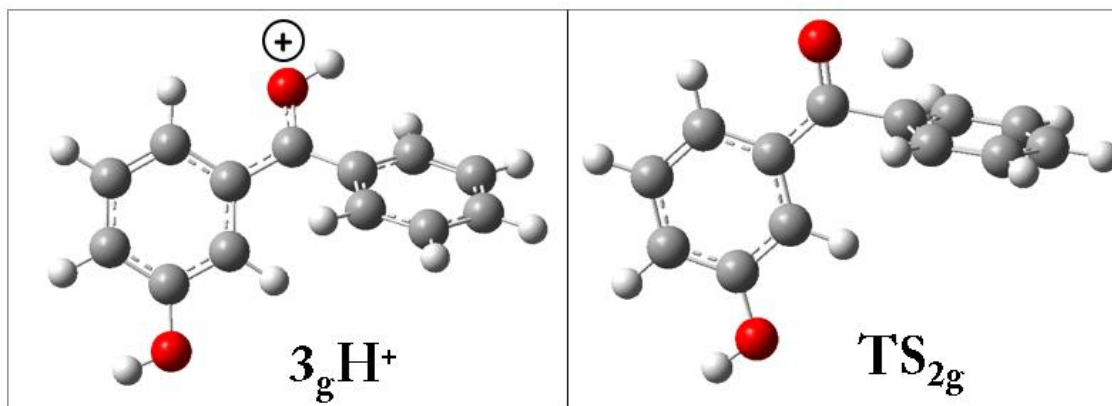
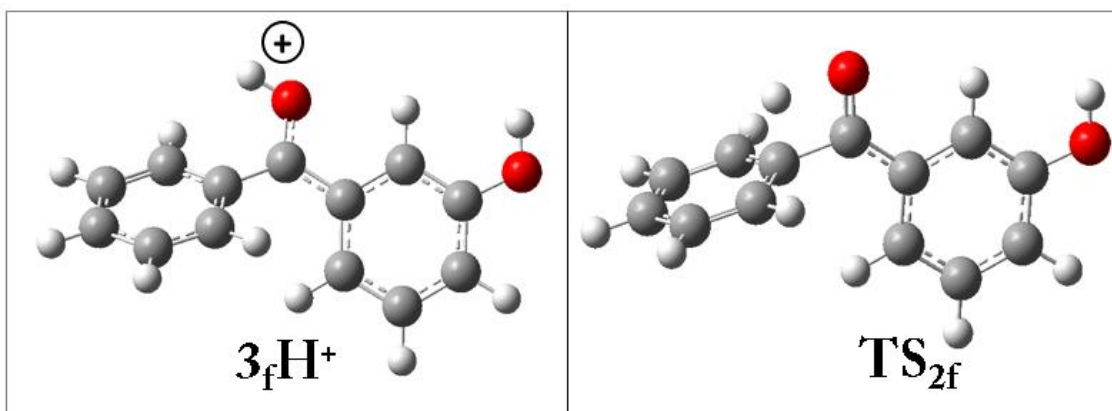
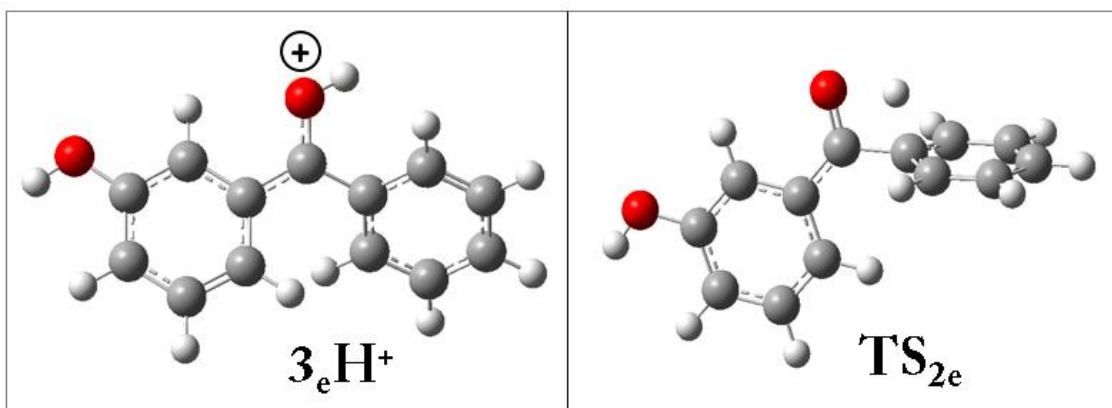
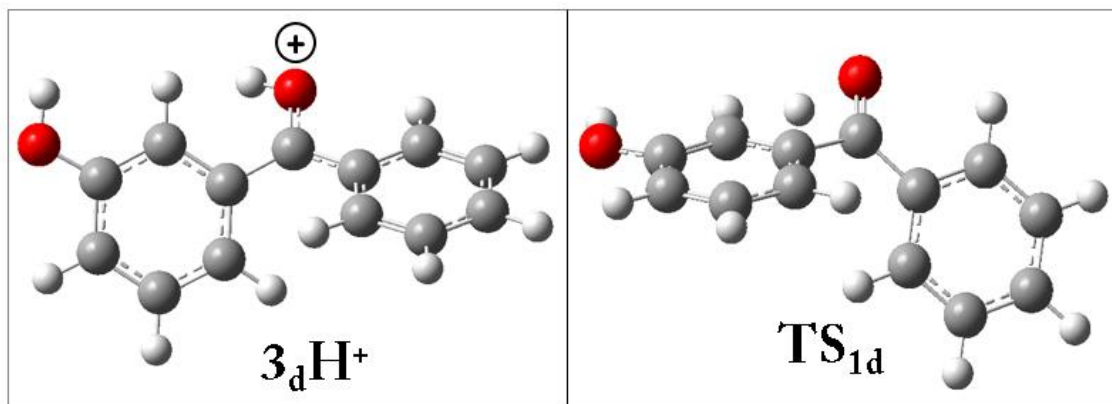


Figure S2. Optimized geometries, at the B3LYP/6-311++G(d,p) level of theory, of the of 3H^+ rotamers and the transition states of their corresponding fragmentation.





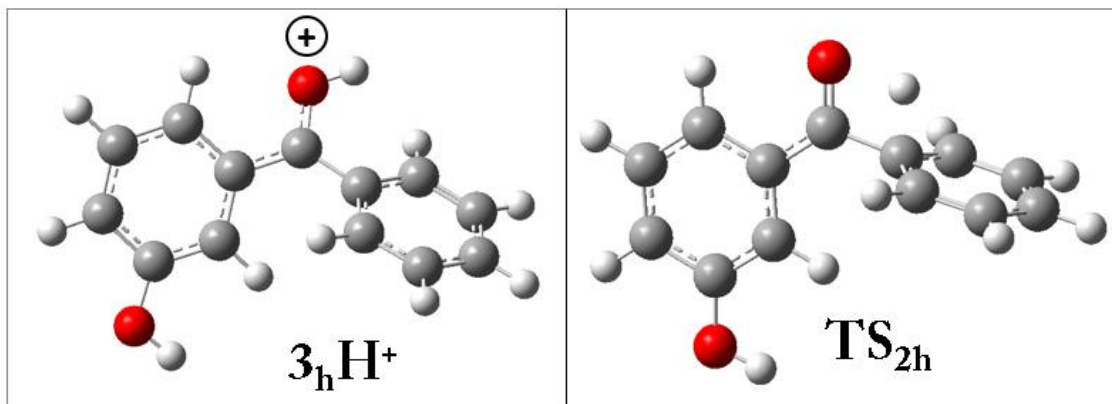
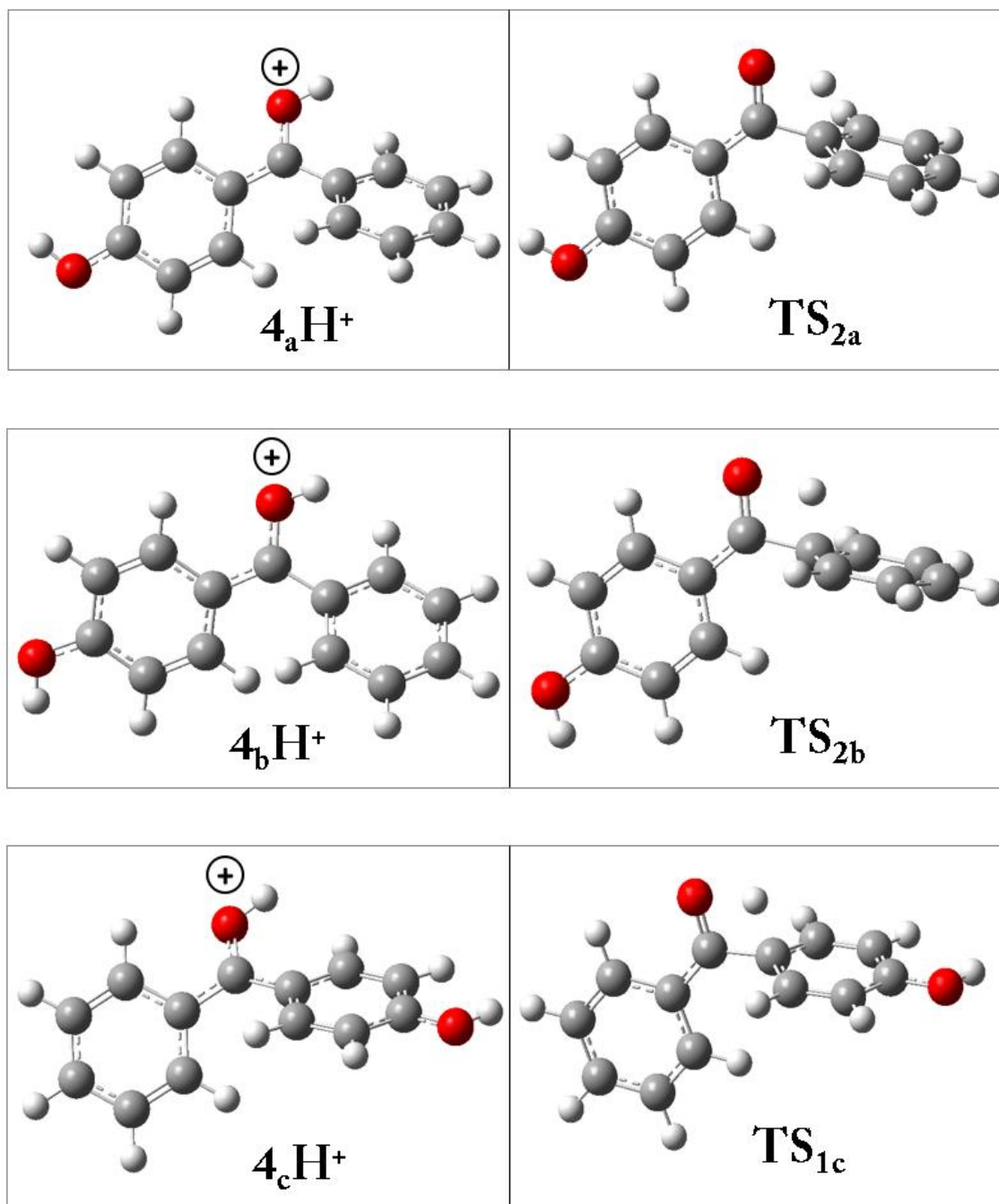


Figure S3. Optimized geometries, at the B3LYP/6-311++G(d,p) level of theory, of the of 4H^+ rotamers and the transition states of their corresponding fragmentation routes.



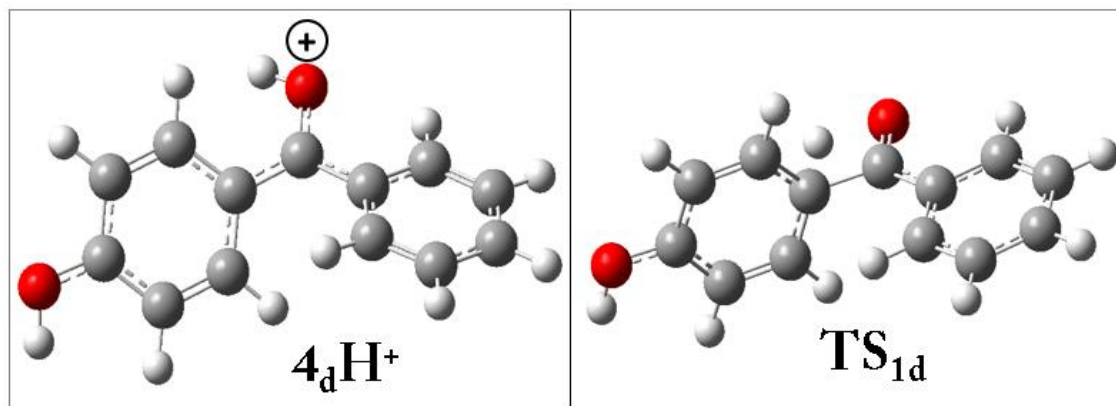


Figure S4. Optimized geometries, at B3LYP/6-311++G(d,p) level of theory, of fragments 105 m/z and 121 m/z .

