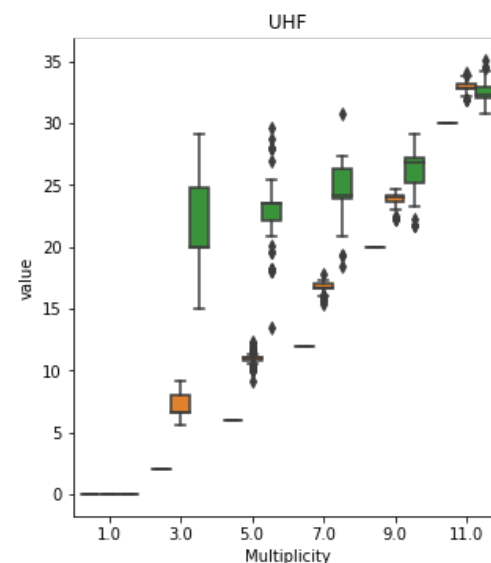
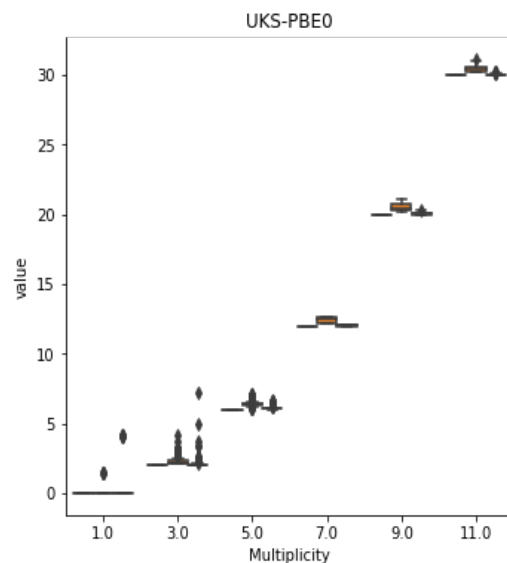
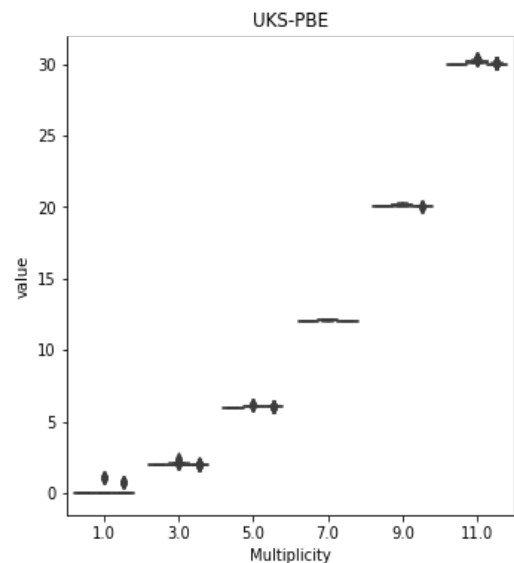


Exact Exchange in DFT

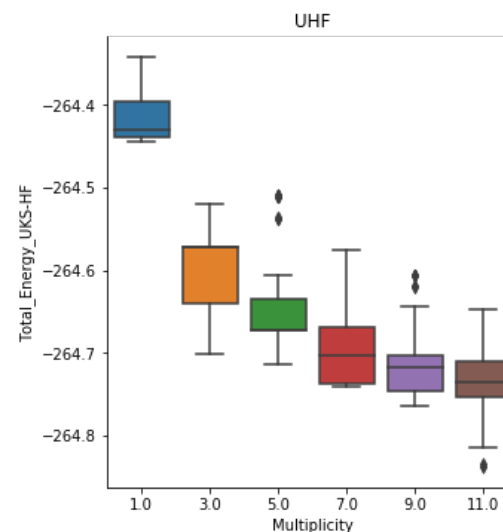
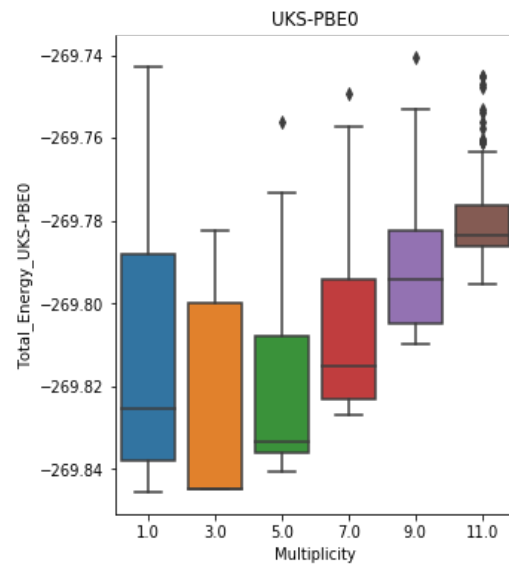
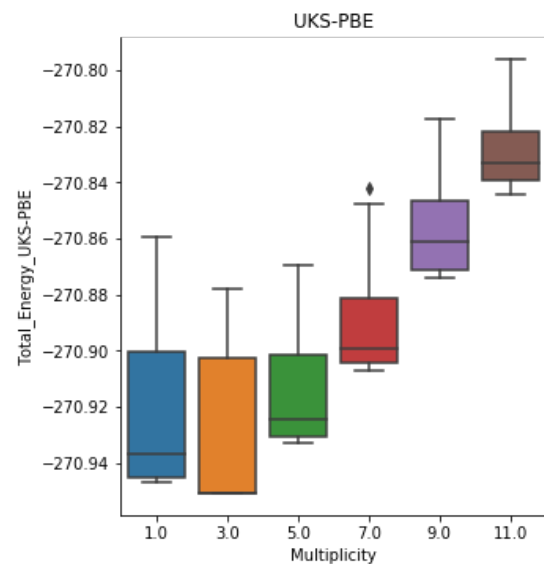
Jiri Hostas

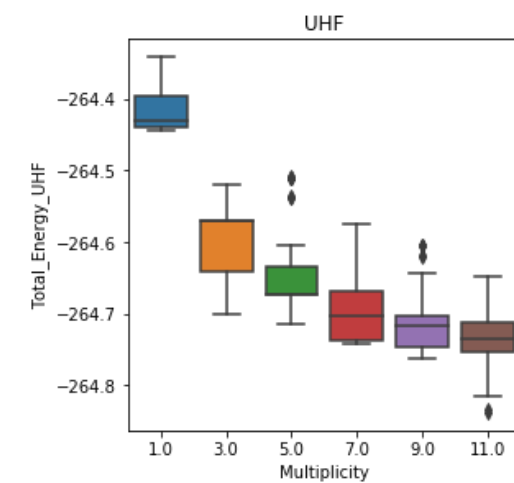
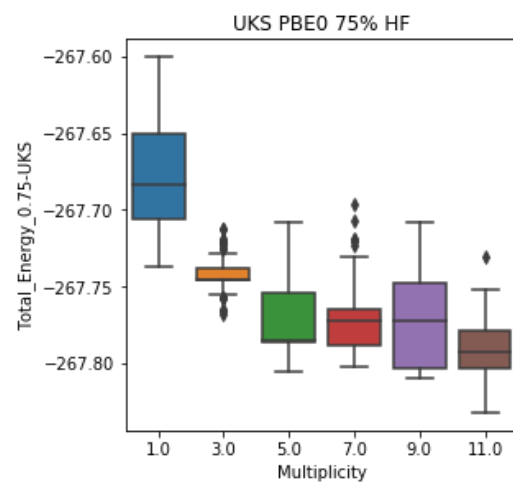
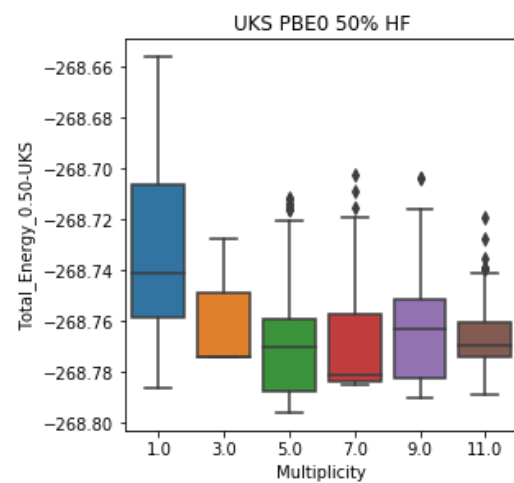
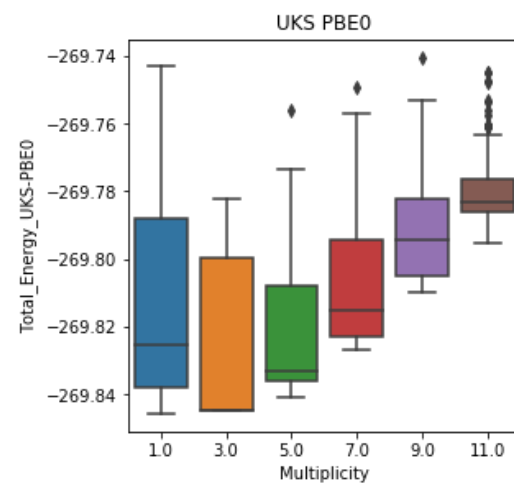
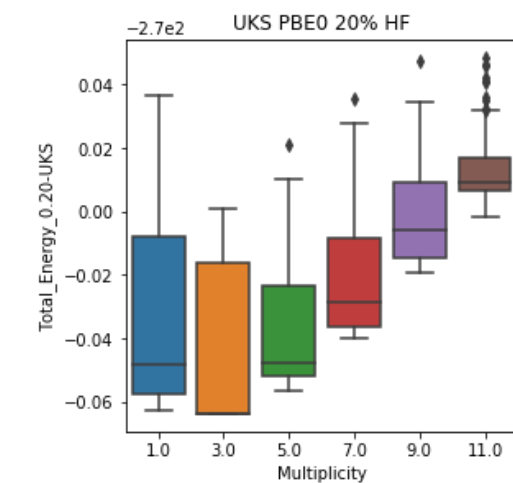
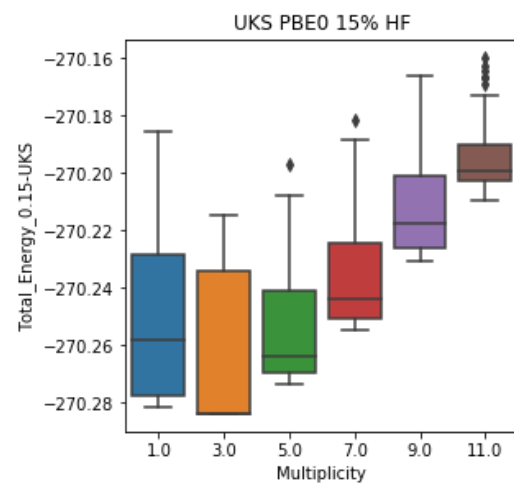
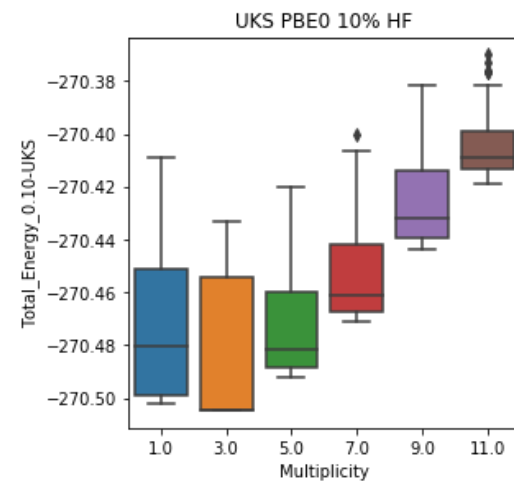
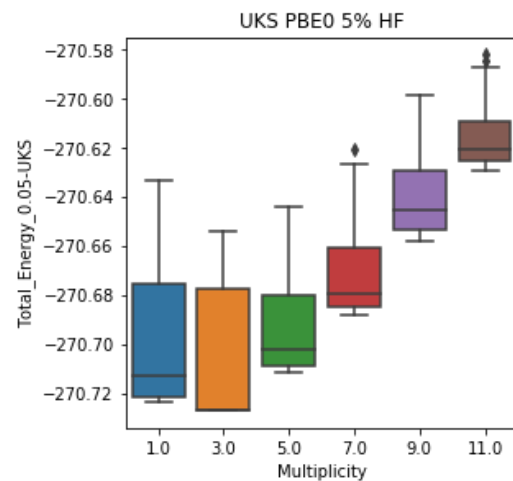
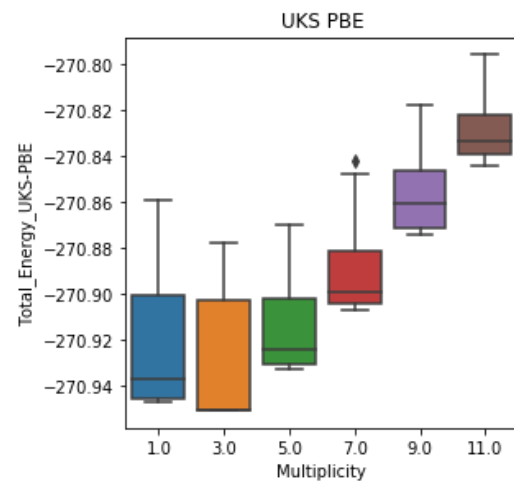
Spin contamination comparison



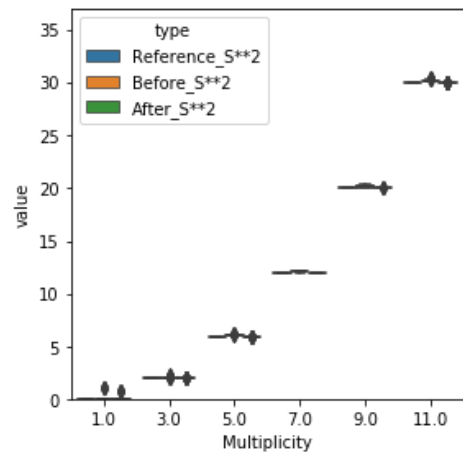
type

- Reference Value of S^*2 for Pure Spin State $S(S+1)$
- S^*2 Before Spin Projection
- S^*2 After Spin Projection

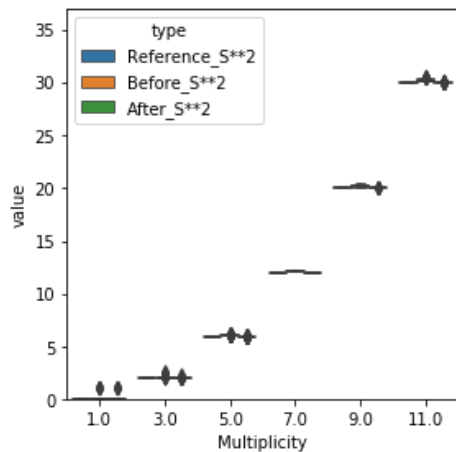




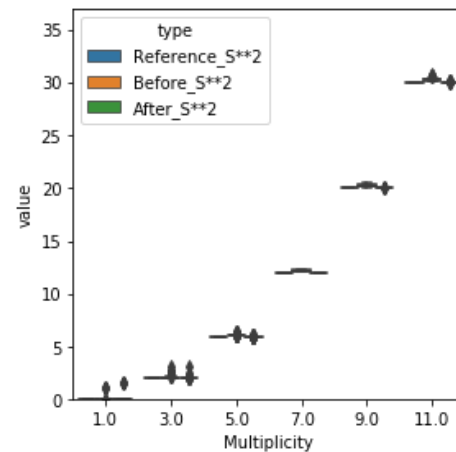
UKS PBE



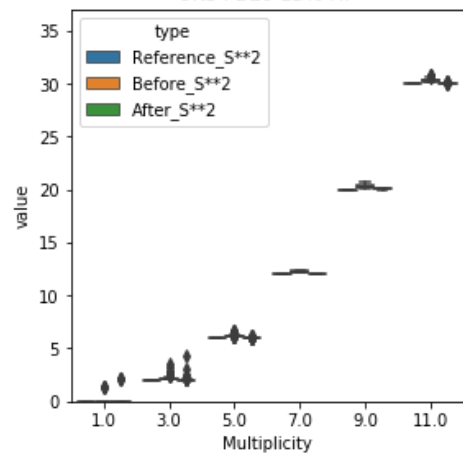
UKS PBE0 5% HF



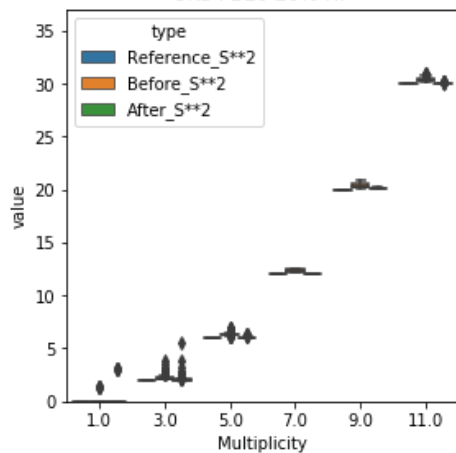
UKS PBE0 10% HF



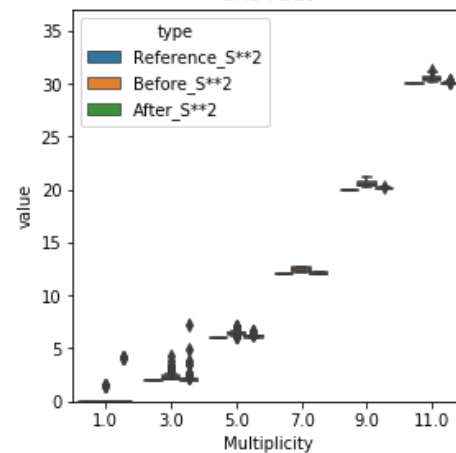
UKS PBE0 15% HF



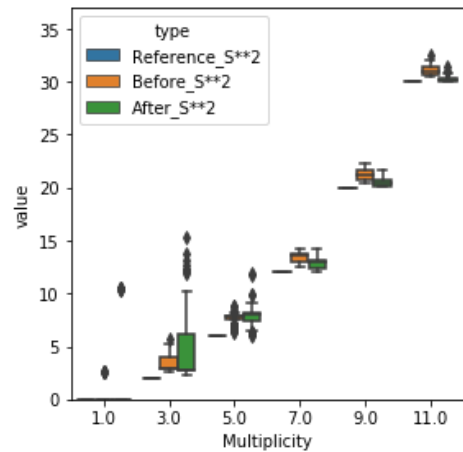
UKS PBE0 20% HF



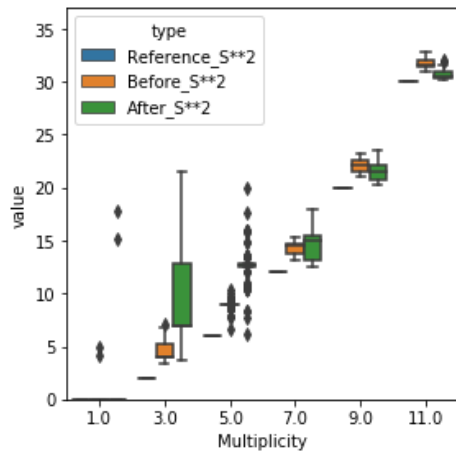
UKS PBE0



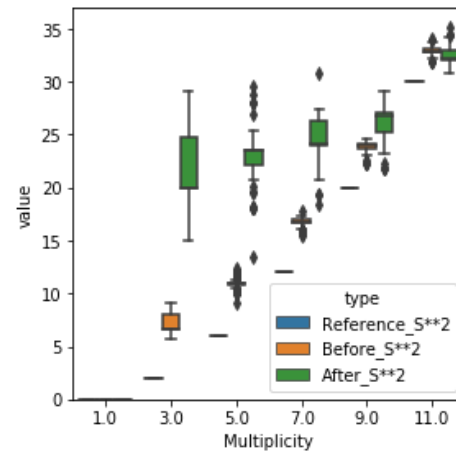
UKS PBE0 50% HF

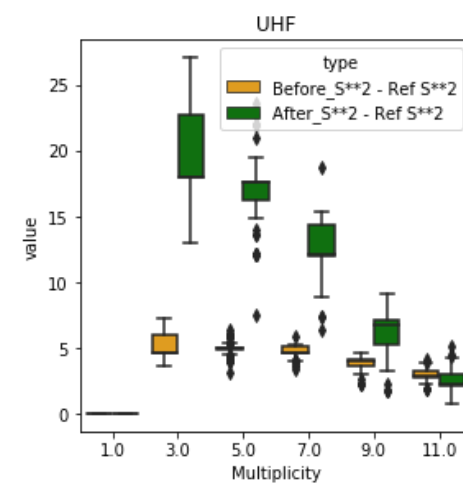
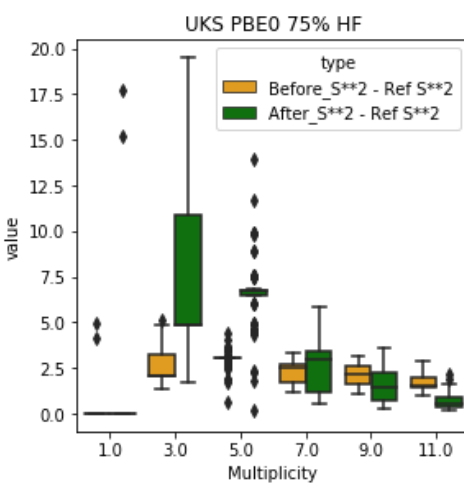
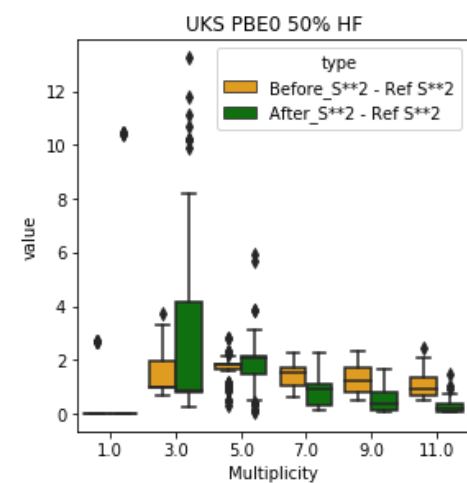
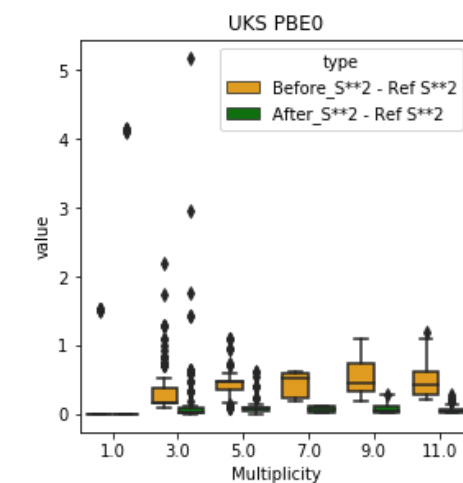
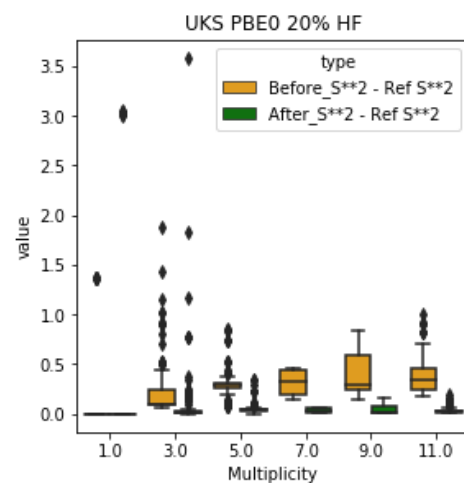
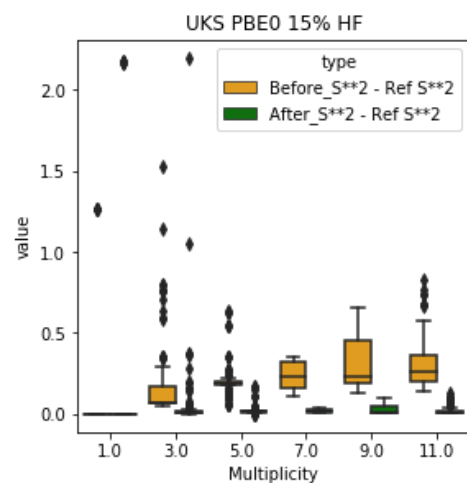
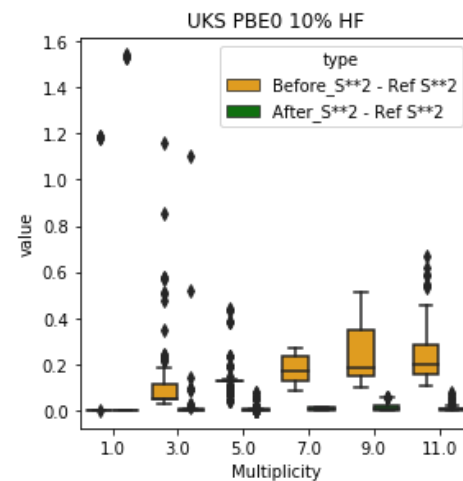
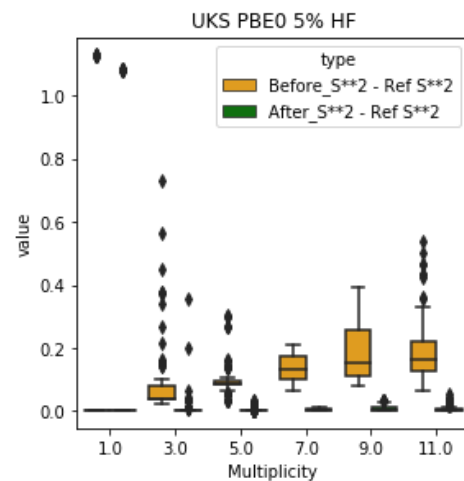
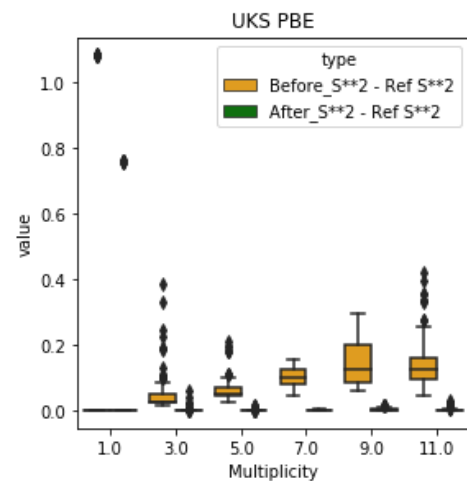


UKS PBE0 75% HF

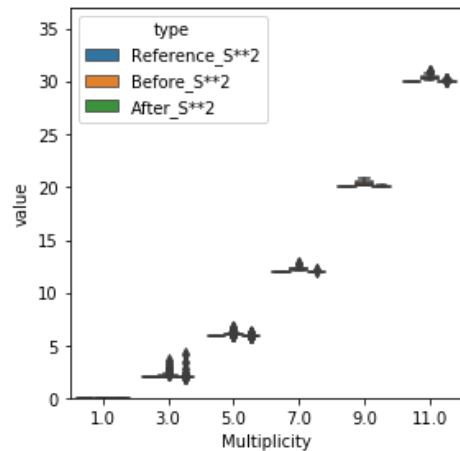


UHF

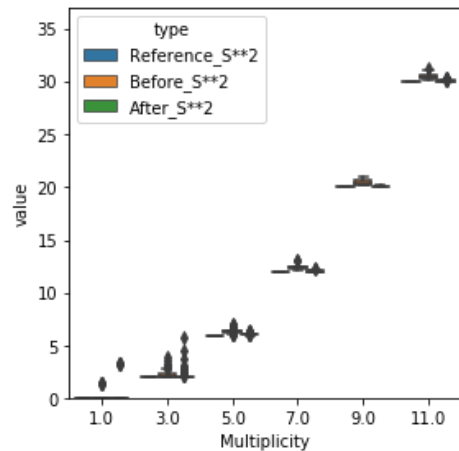




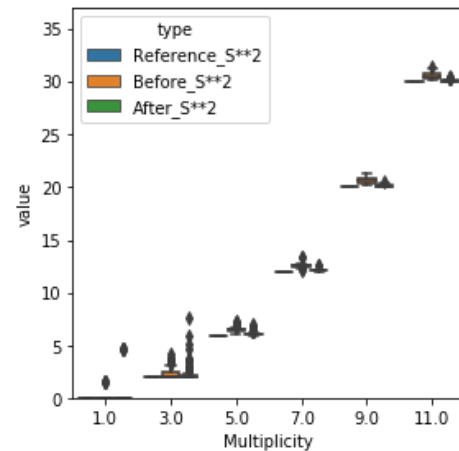
5 PBE0-NONE 15% HF



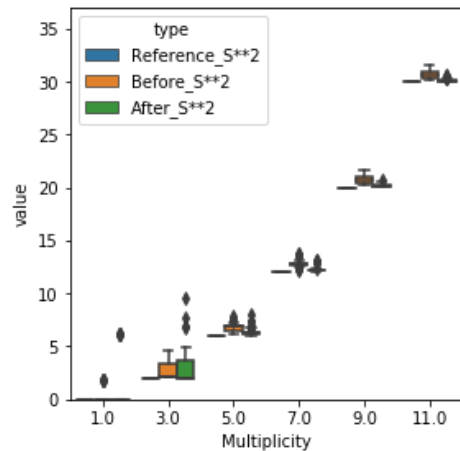
UKS PBE0-NONE 20% HF



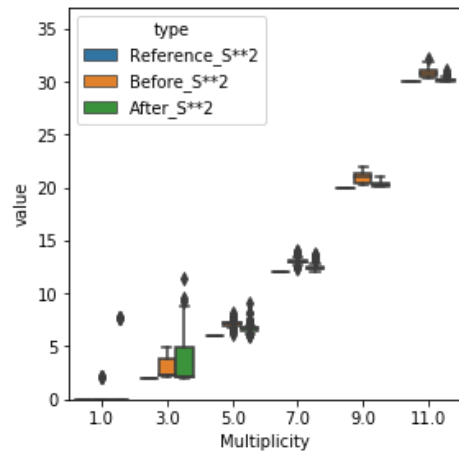
UKS PBE0-NONE



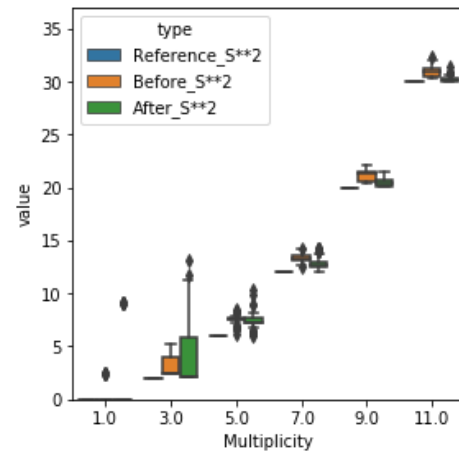
UKS PBE0-NONE 15% HF



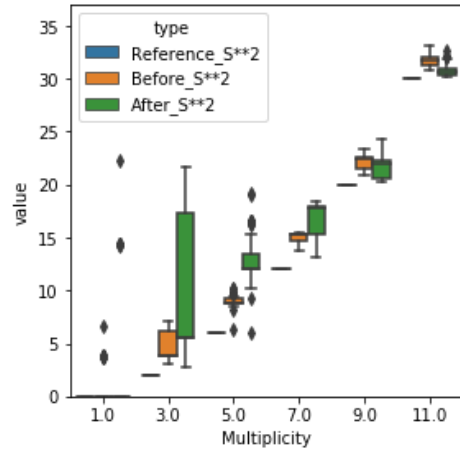
UKS PBE0-NONE 20% HF



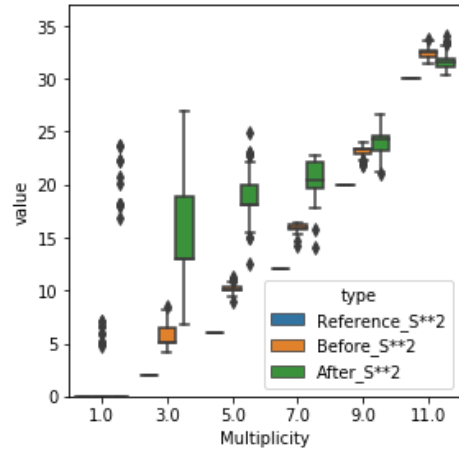
UKS PBE0-NONE



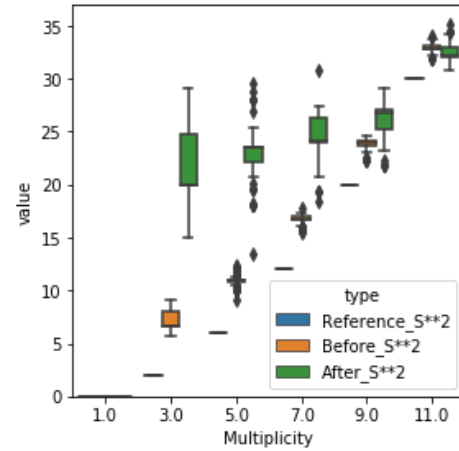
UKS PBE0-NONE 50% HF

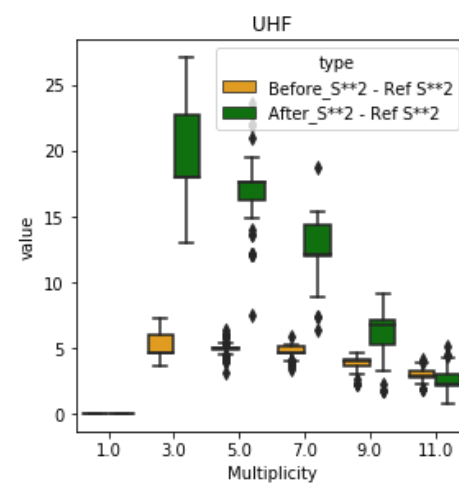
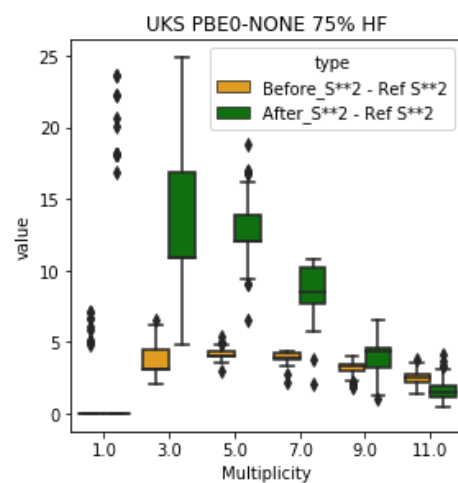
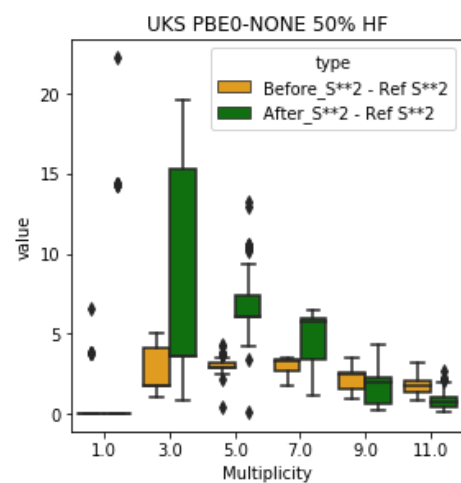
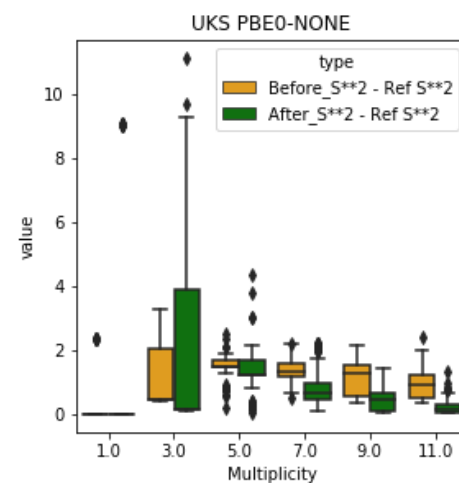
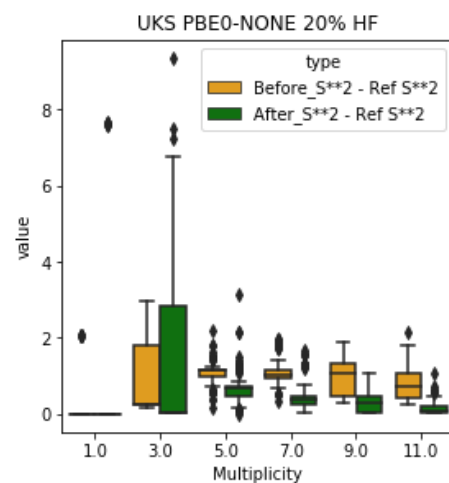
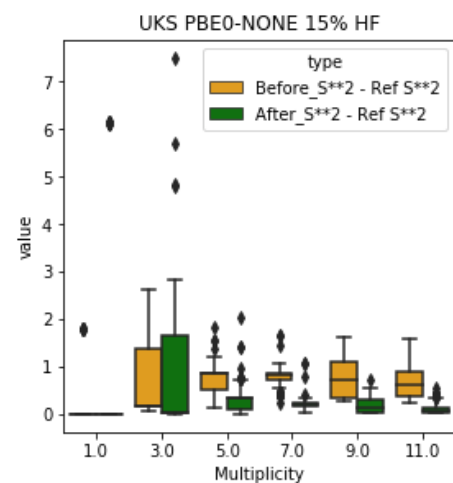
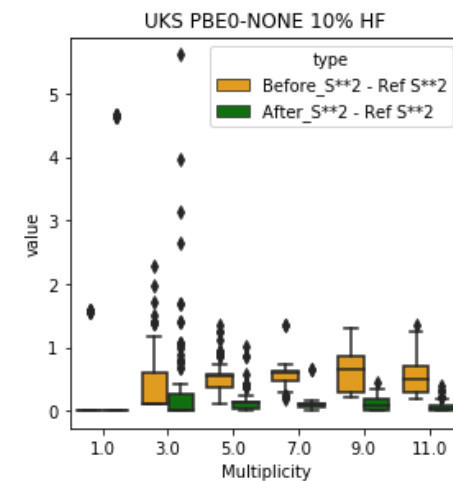
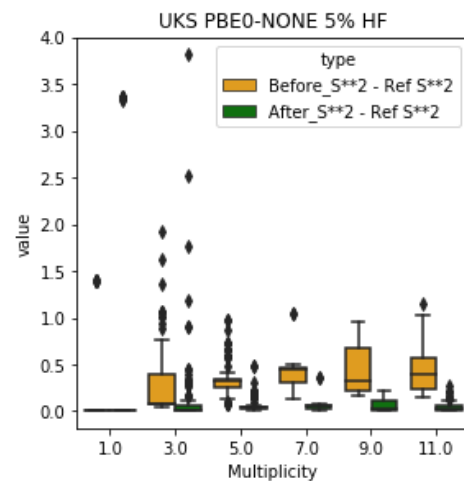
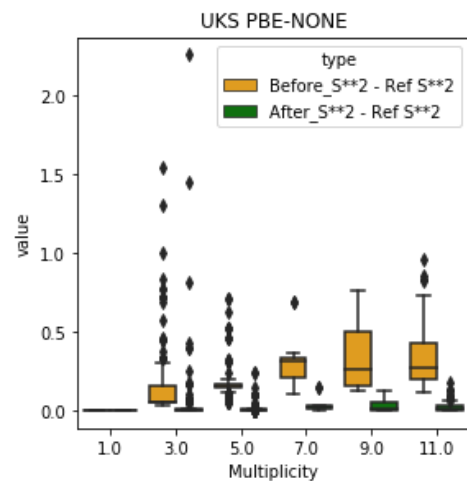


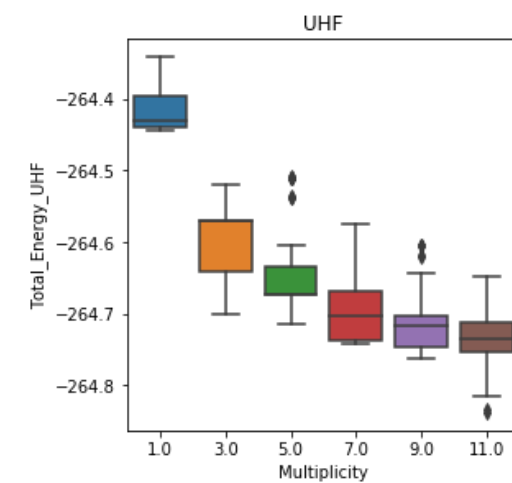
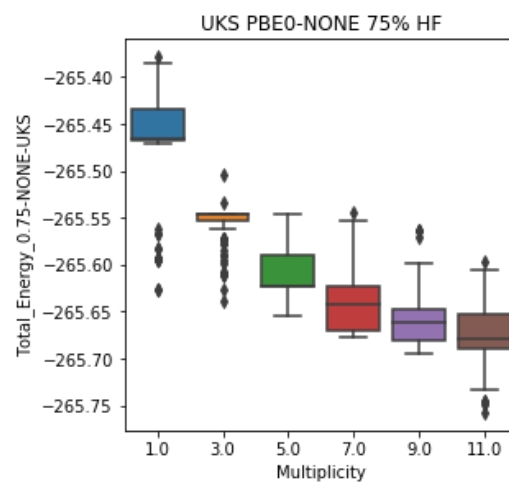
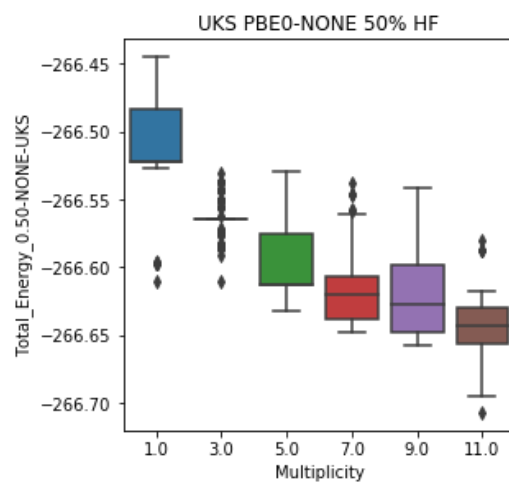
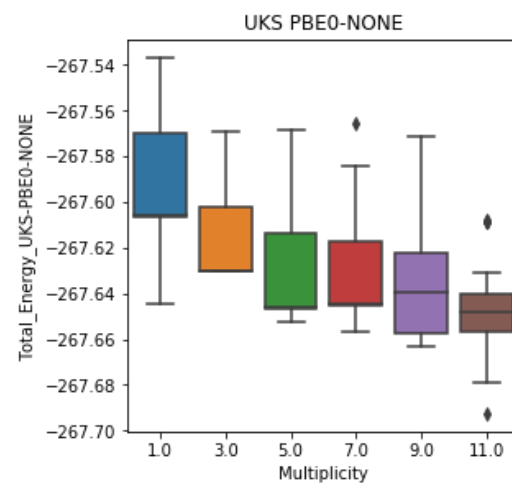
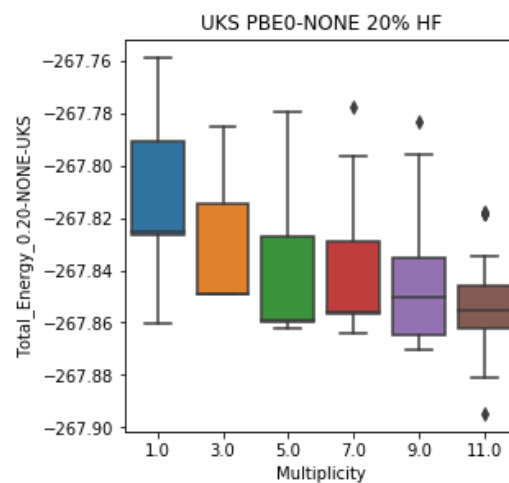
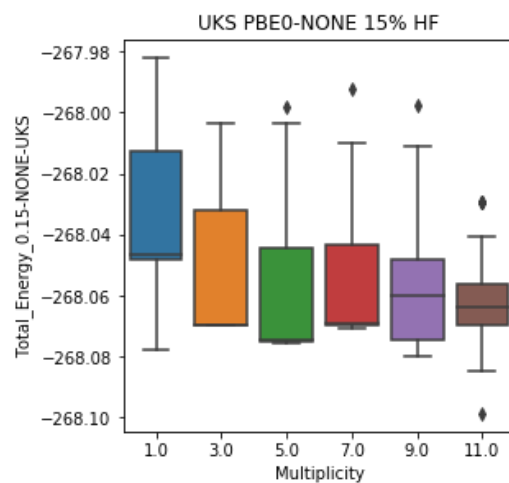
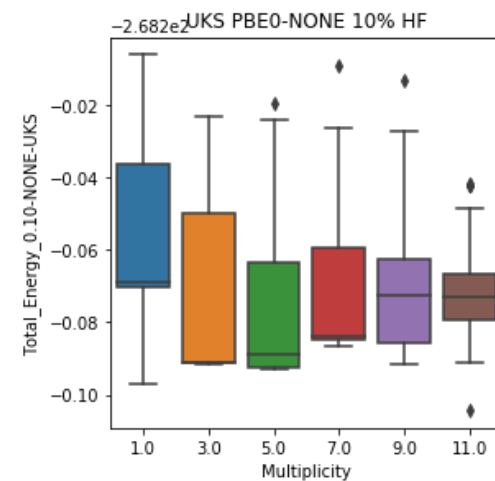
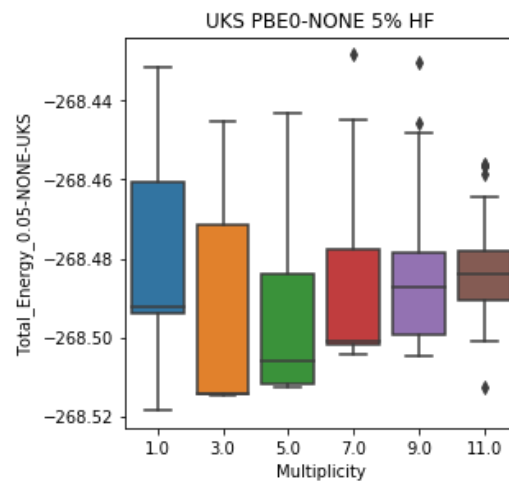
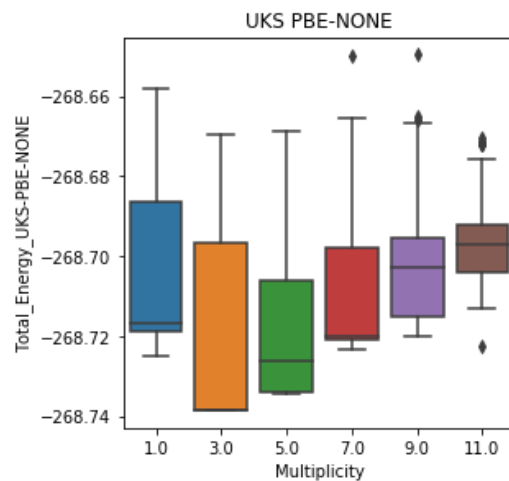
UKS PBE0-NONE 75% HF



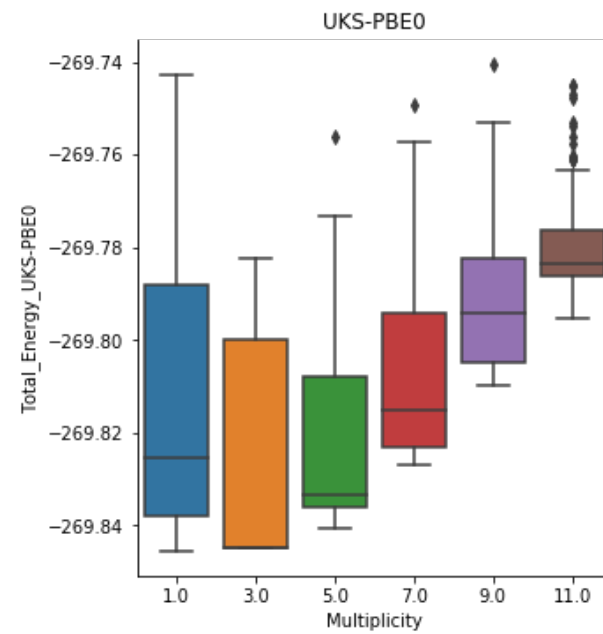
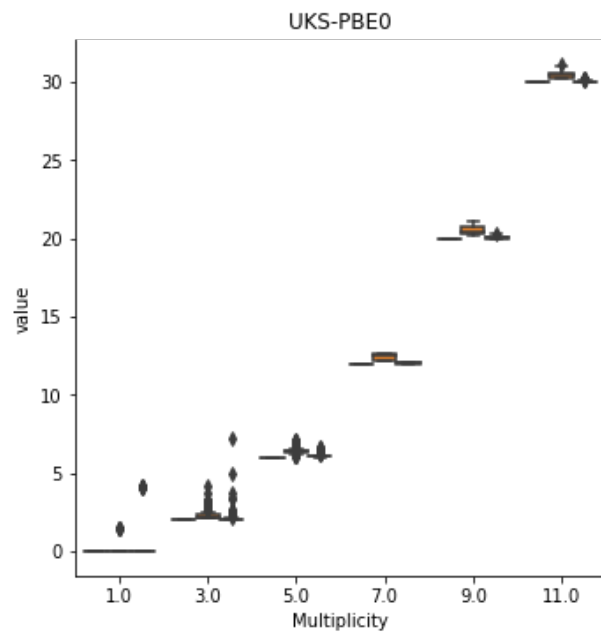
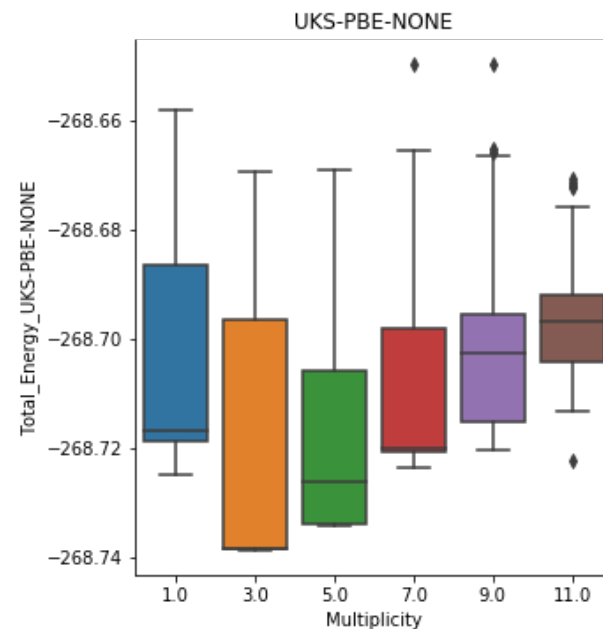
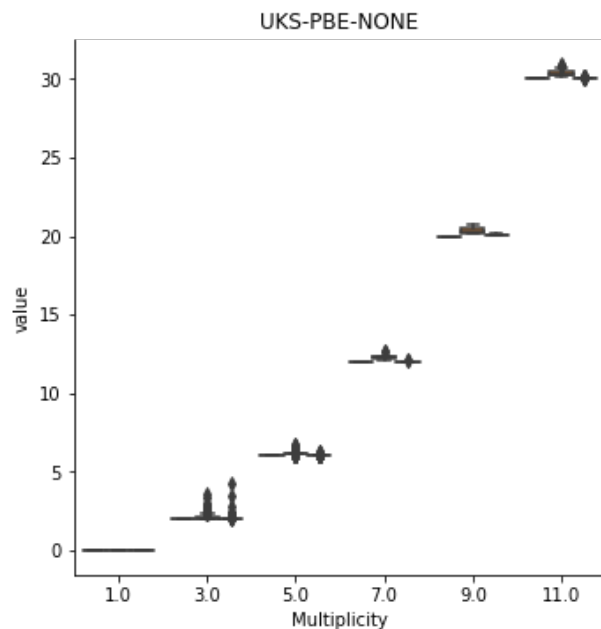
UHF







Is PBE-NONE similar to PBE0 ?



ROKS

