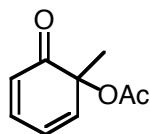
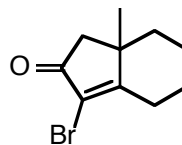


Name_____

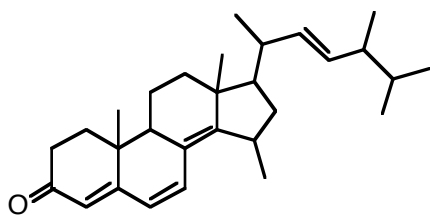
2. Calculate the UV maximum for the following compounds. (20 points)



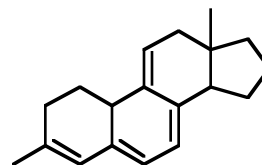
Base	215
Double bond extension(DBE)	30
δ alkyl	18
homodiene	39
	302 nm



Base	202
α bromo	25
2 β alkyls	24
Exocyclic olefin	5
	256 nm



Base	215
2 DBE	60
β alkyl	54
3 $>\gamma$ alkyl	39
3 exocyclic olefins	15
	356 nm



Base(homodiene)	253
2 DBE	60
6 alkyls	30
3 exocyclic olefins	15
	358 nm