

Source	LogWorth		PValue
Surfactants	11.923		0.00000
Temperature(40,65)	7.705		0.00000
Surfactants*Temperature	7.419		0.00000
Temperature*Time	4.276		0.00005
Time(15,60)	2.949		0.00113
Surfactants*Time	2.654		0.00222
Surfactants*Temperature*Time	2.555		0.00279

Figure S1: Effect summary for PAHs (bench-scale)

Source	LogWorth		PValue
Temperature(40,65)	5.694		0.00000
Temperature*Time	4.897		0.00001
Surfactants	4.190		0.00006
Surfactants*Temperature	3.490		0.00032
Surfactants*Temperature*Time	2.626		0.00237
Surfactants*Time	0.722		0.18964
Time(15,60)	0.348		0.44924

Figure S2: Effect summary of phthalates (bench-scale)

Source	LogWorth		PValue
Temperature(40,65)	3.875		0.00013
Surfactants	3.331		0.00047
Temperature*Time	1.546		0.02846
Time(15,60)	1.336		0.04615
Surfactants*Time	1.260		0.05499
Surfactants*Temperature*Time	0.868		0.13547
Surfactants*Temperature	0.657		0.22051

Figure S3: Effect summary for phenols (bench-scale)

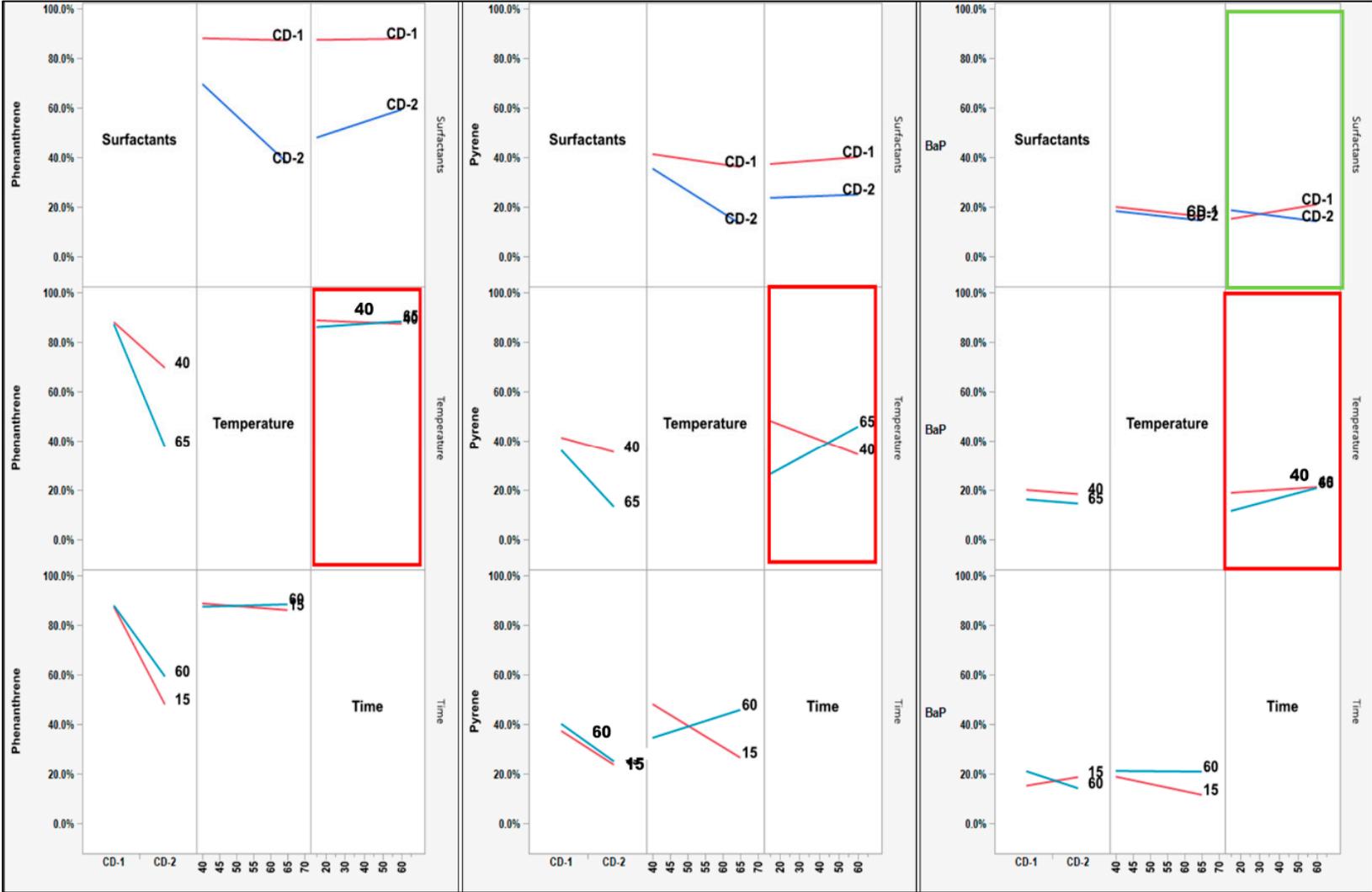


Figure S4: Interaction plots for PAHs (Bench-scale)

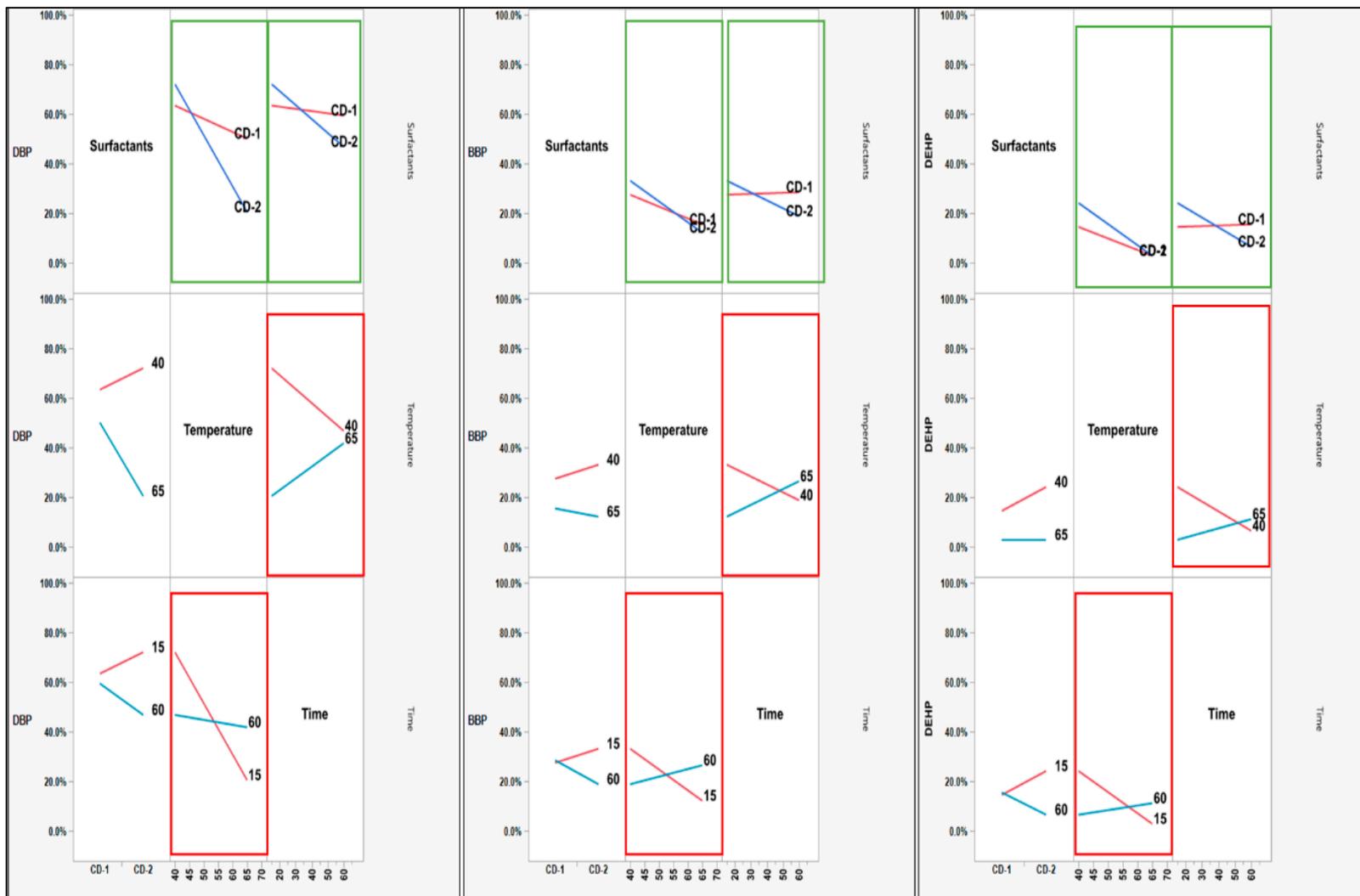


Figure S5: Interaction plots for phthalates (Bench-scale)

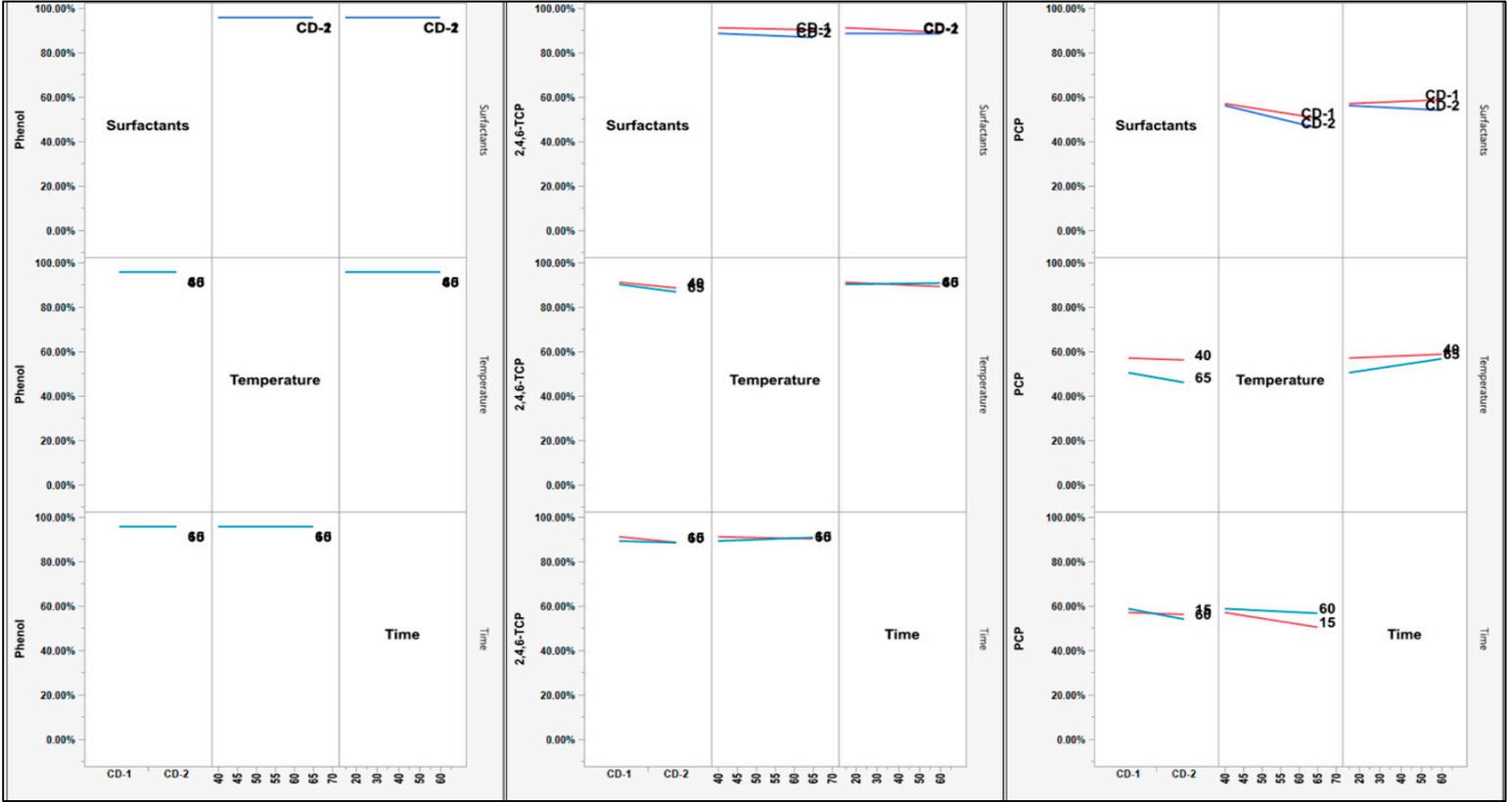


Figure S6: Interaction plots for phenols (Bench-scale)

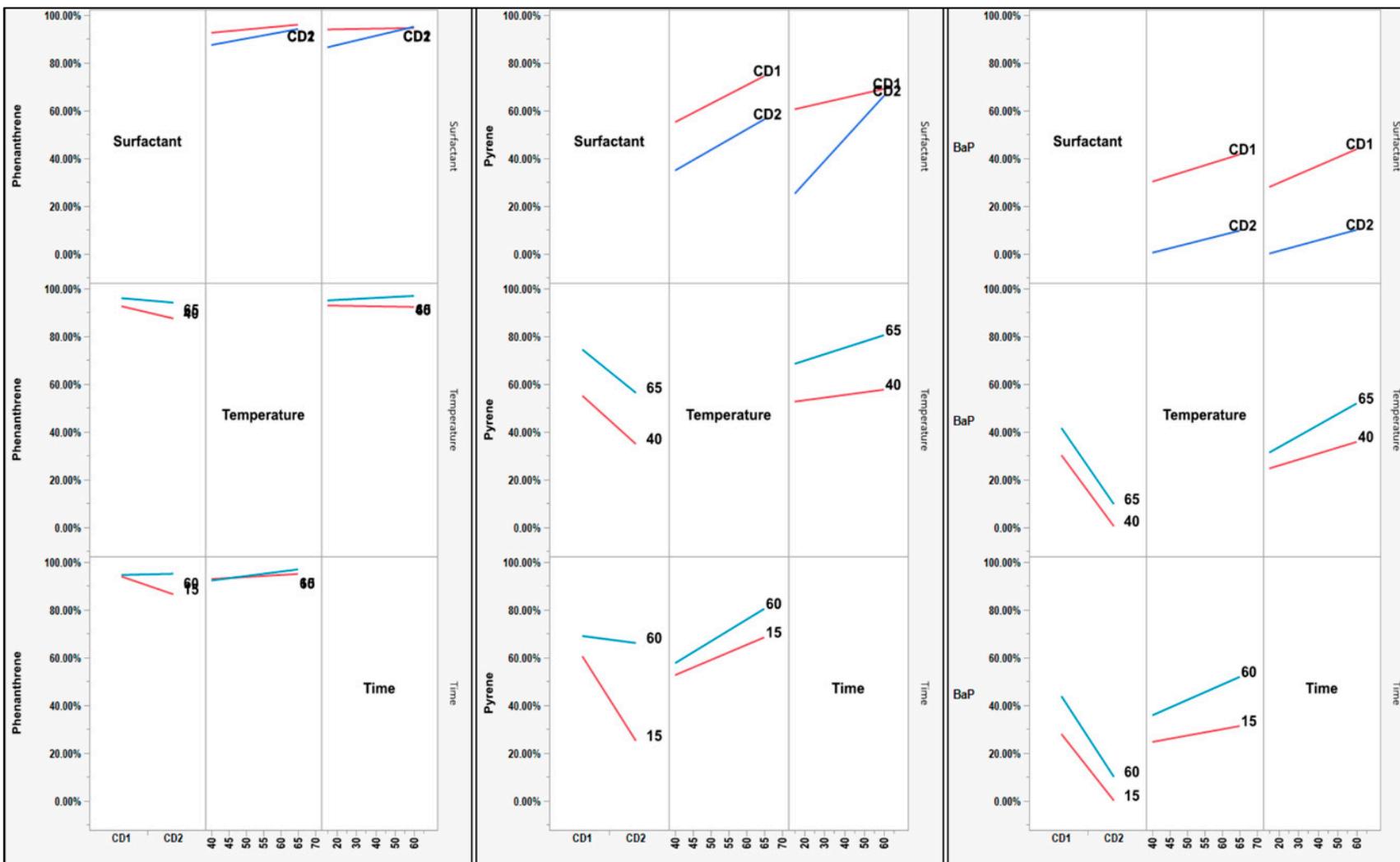


Figure S7: Interaction plots for PAHs (Full-scale)

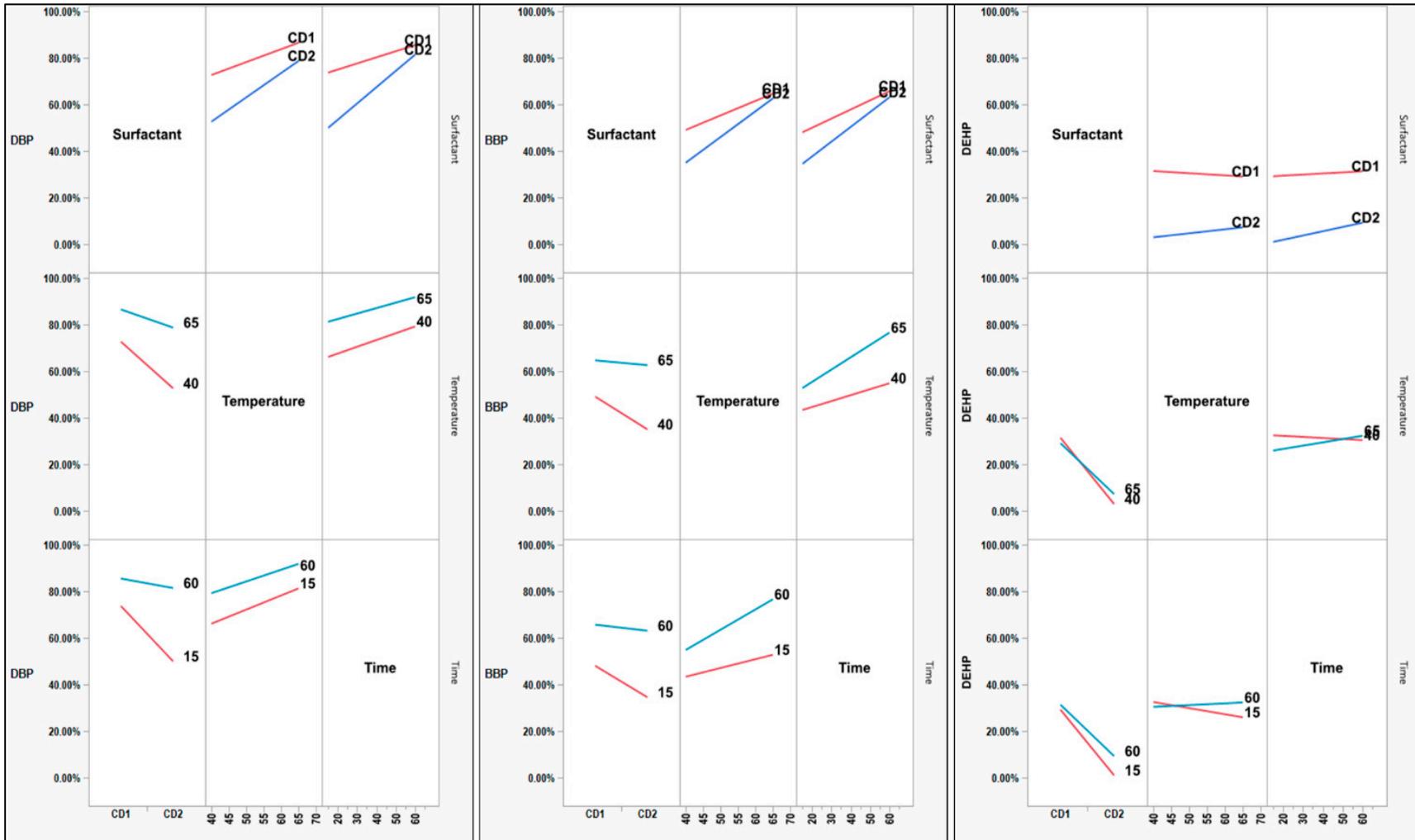


Figure S8: Interaction plots for phthalates (Full-scale)

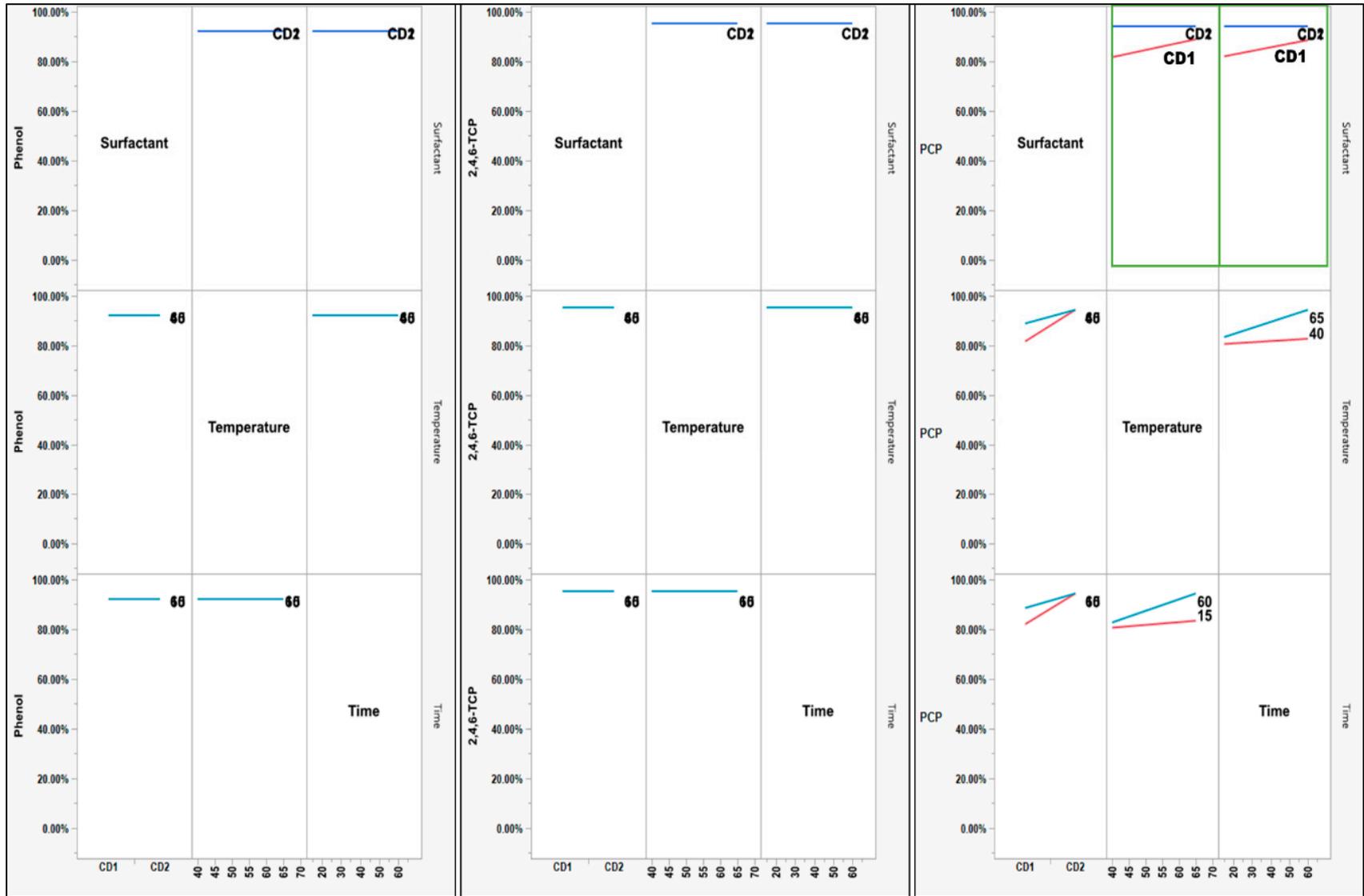


Figure S9: Interaction plots for phenols (Full-scale)