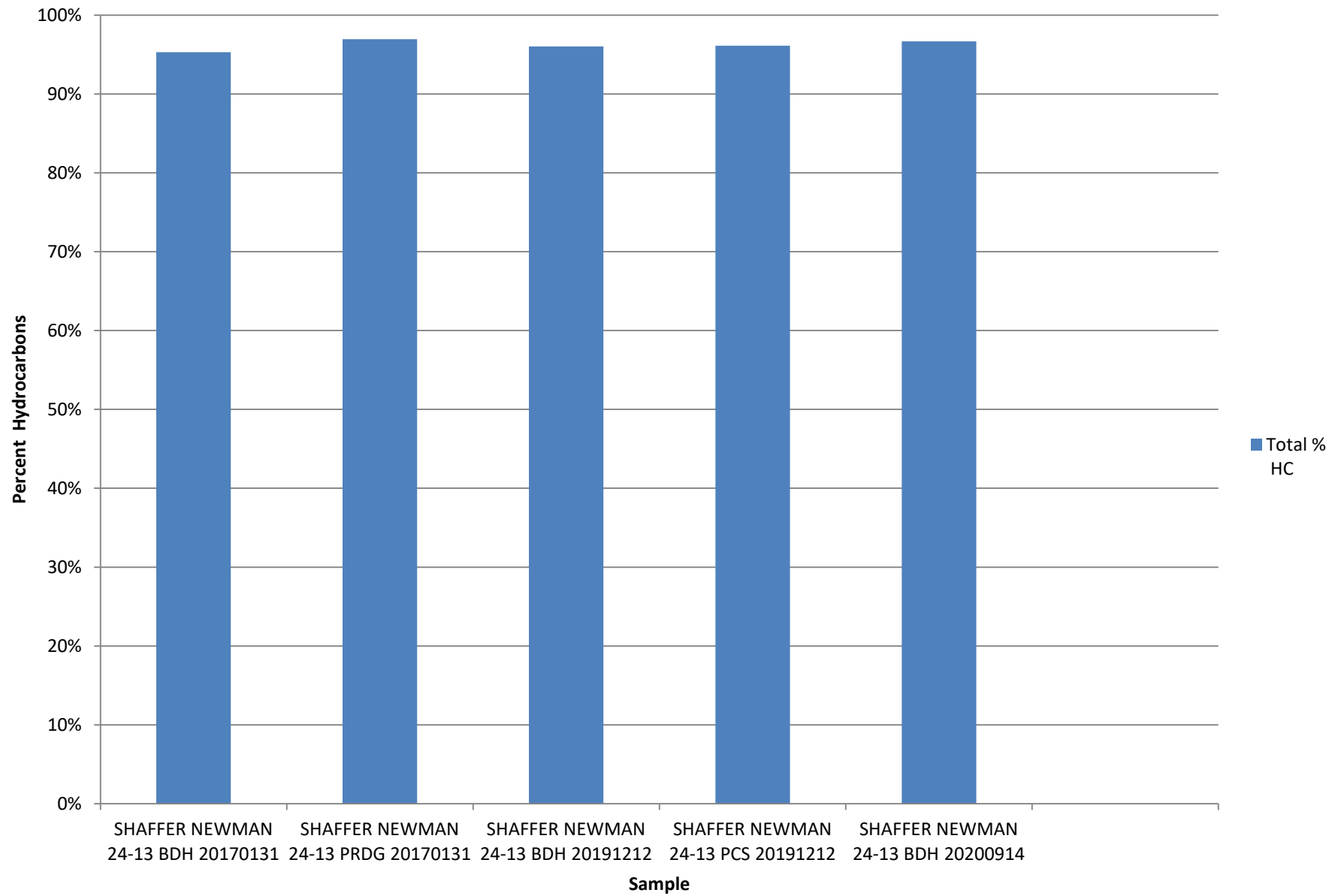
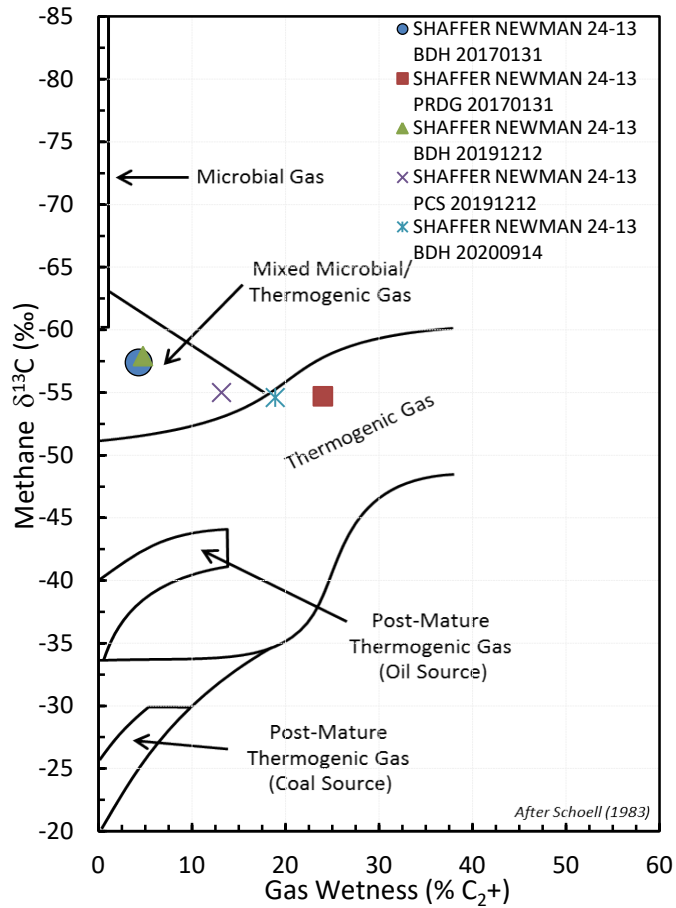


## Total Percent Hydrocarbons

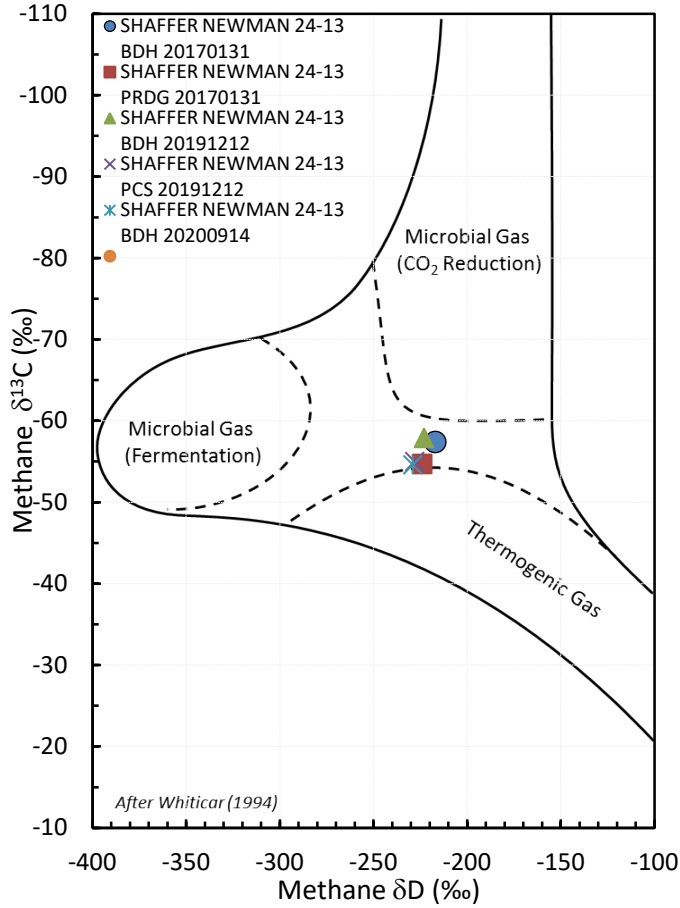


# Stable Isotope Interpretive Plots

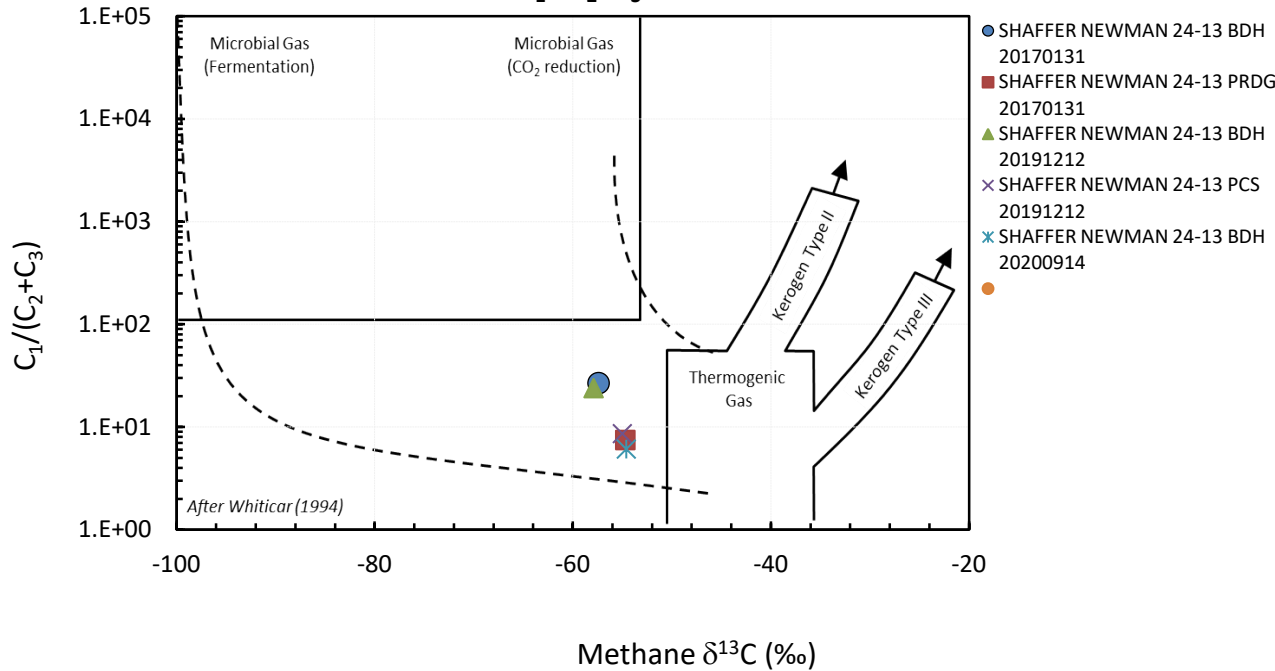
### Methane vs Gas Wetness Genetic Classification

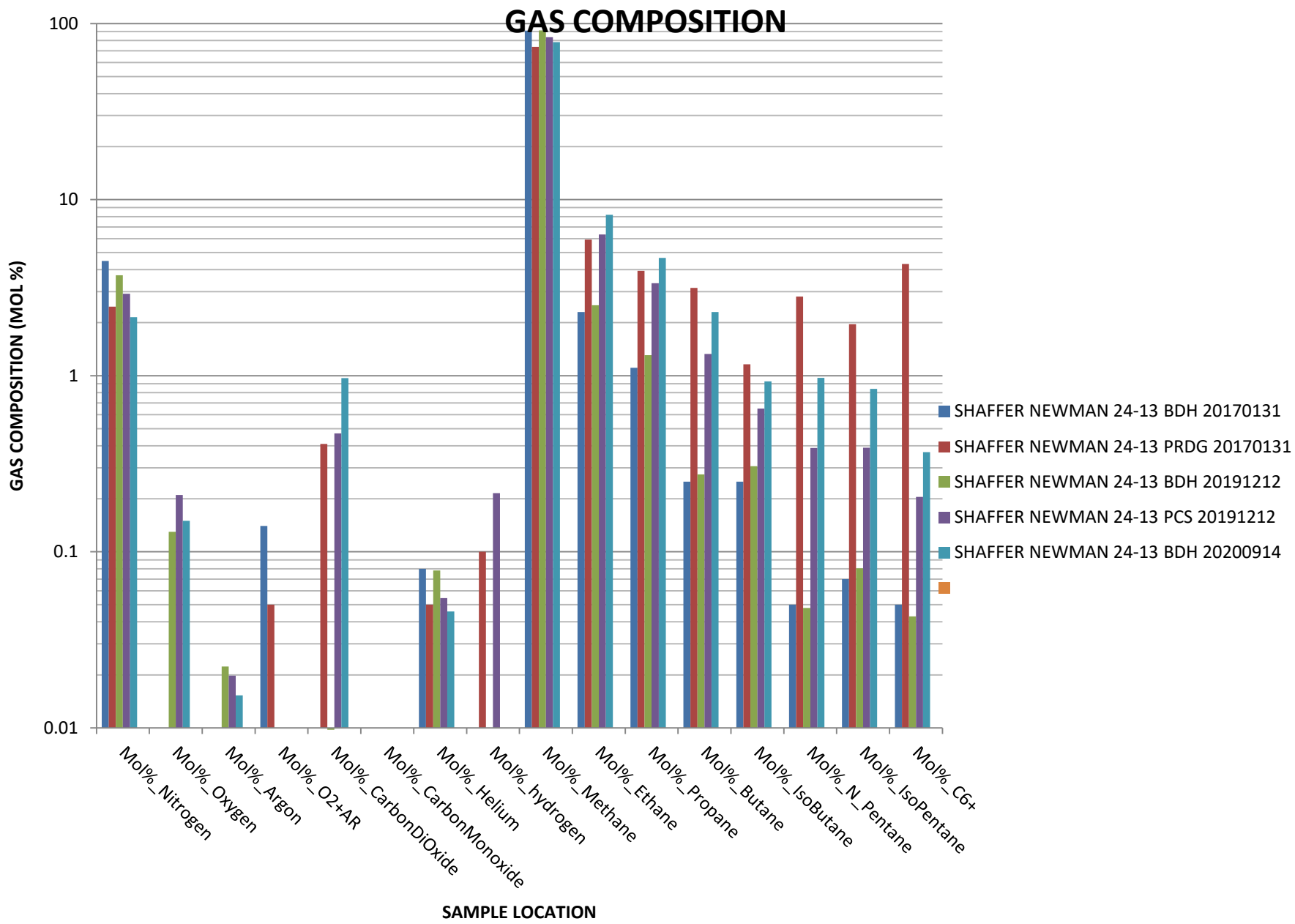


### Methane $\delta^{13}\text{C}$ vs $\delta\text{D}$ Genetic Classification Plot

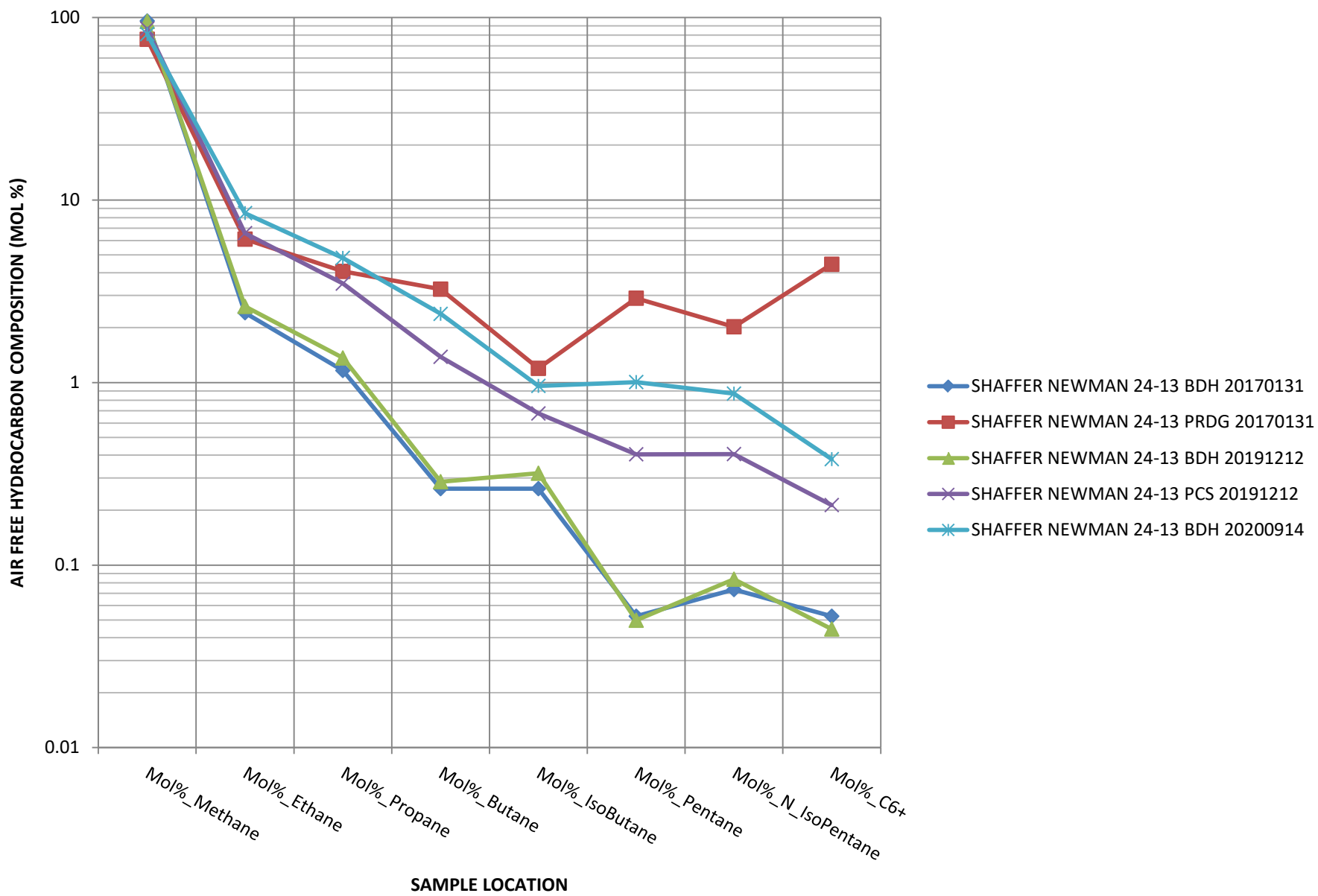


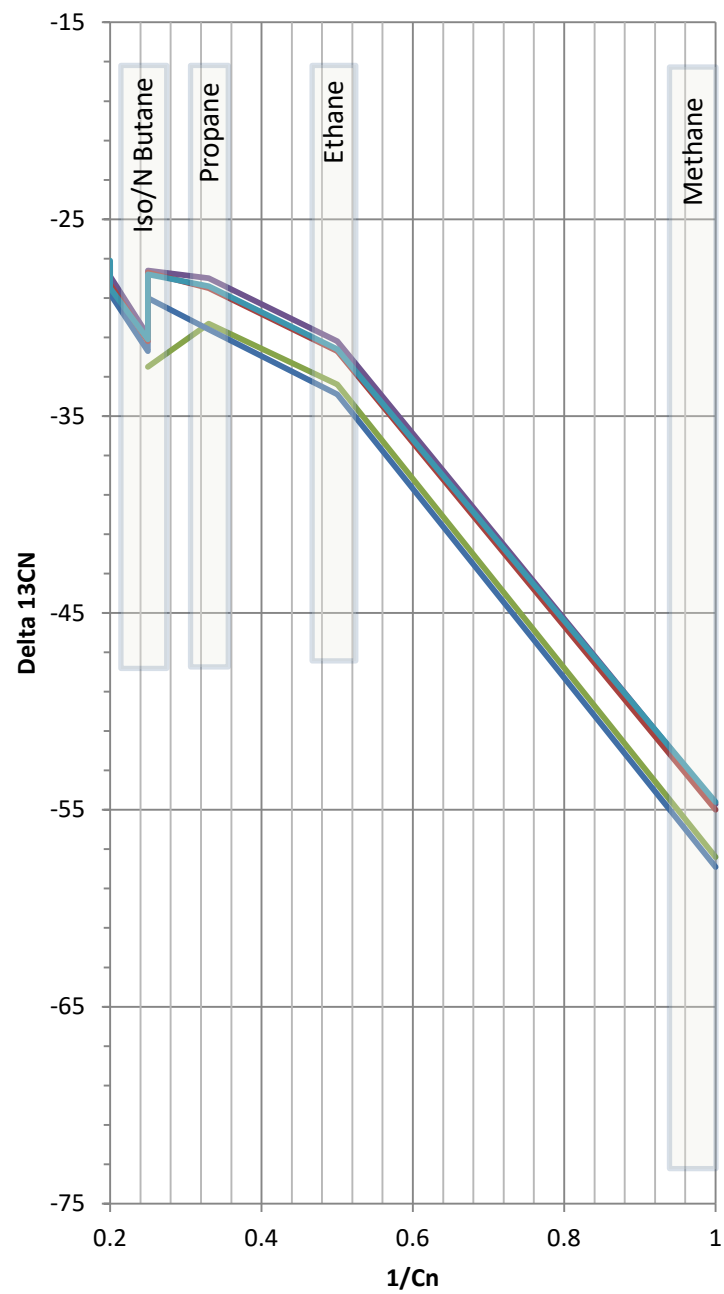
### Methane $\delta^{13}\text{C}$ vs $\text{C}_1/(\text{C}_2+\text{C}_3)$ Genetic Classification Plot



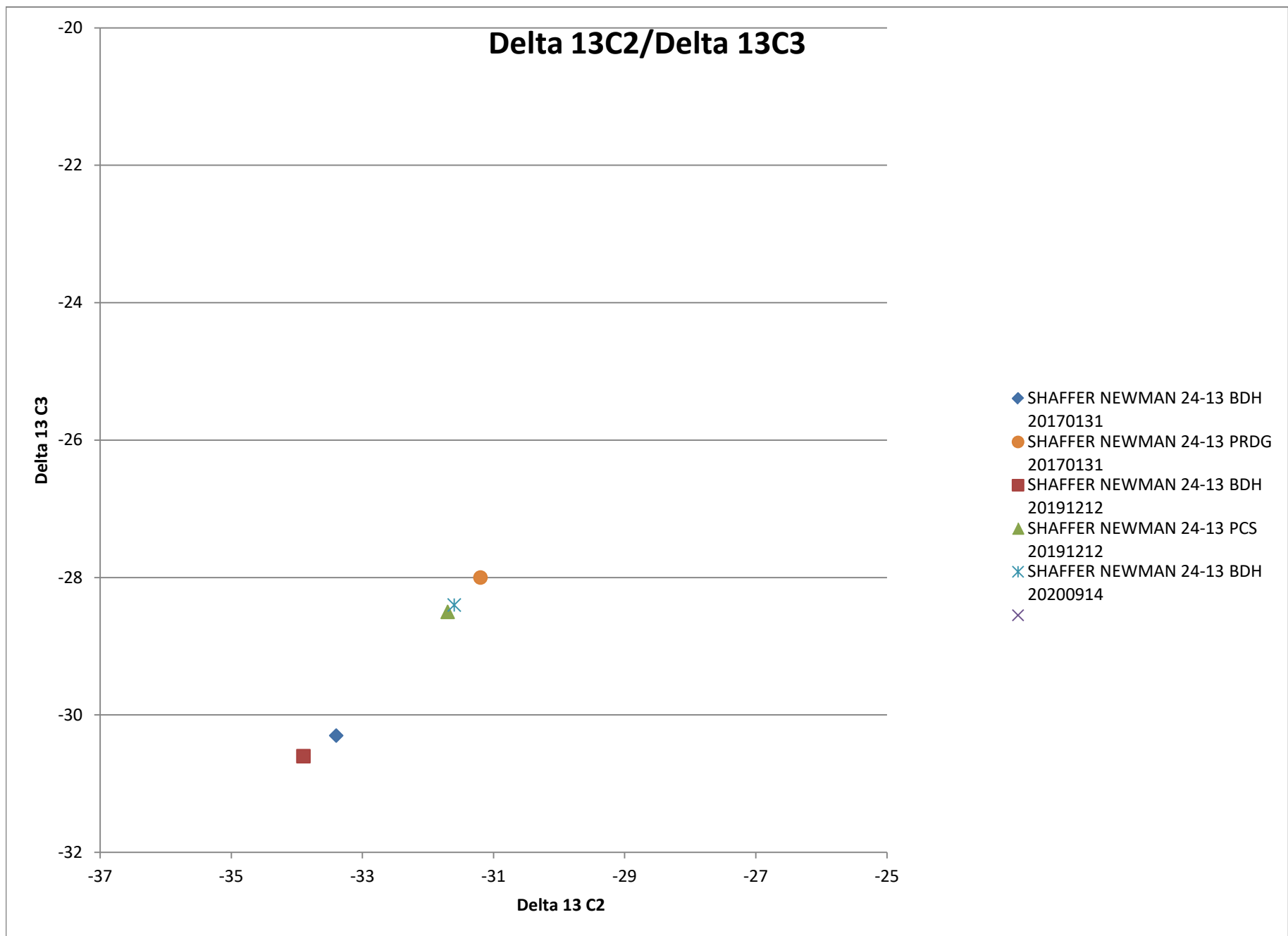


## HYDROCARBON COMPOSITION

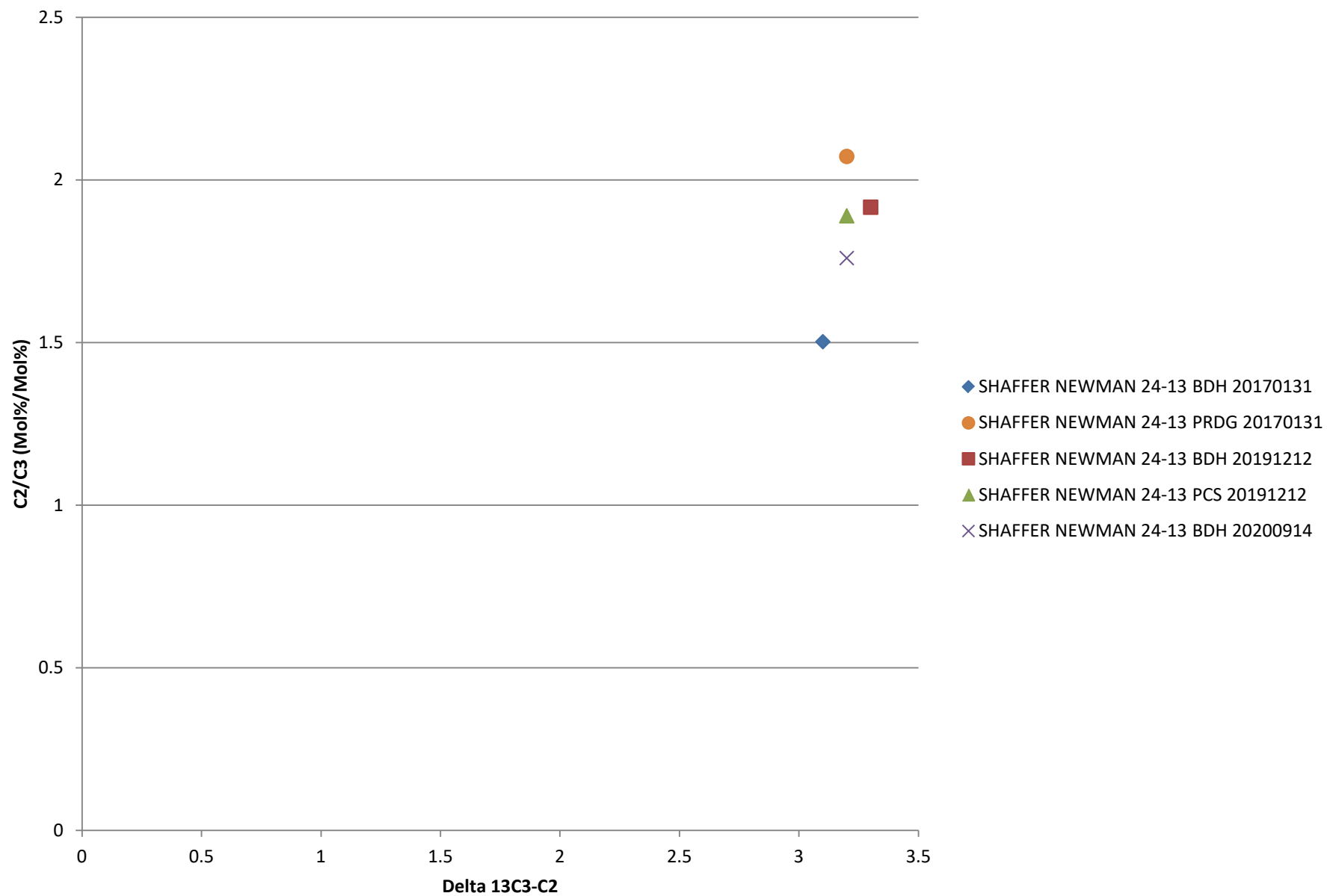




- SHAFFER NEWMAN 24-13 BDH 20170131
- SHAFFER NEWMAN 24-13 PRDG 20170131
- SHAFFER NEWMAN 24-13 BDH 20191212
- SHAFFER NEWMAN 24-13 PCS 20191212
- SHAFFER NEWMAN 24-13 BDH 20200914
-



## Delta13 C2/C3 vs. Delta 13C3-C2



## Delta 13 IC4/ Delta NC4

