

## **APPENDIX B: XRD PLOTS OF SAMPLES FROM INTERPRETED FACIES**

**The following abbreviations are used in the figure caption of this appendix:**

(I) – Illite  
(Gy) - Gypsum  
(K-spar) – Potassium feldspar  
(Dolo) – Dolomite  
(Qz) – Quartz  
(PY) – Pyrite  
(Kao) – Kaolinite

**MFTM - Millipore Filter Transfer Method**

**Baked Sample Refers to Heat Treatment at 550° C.**