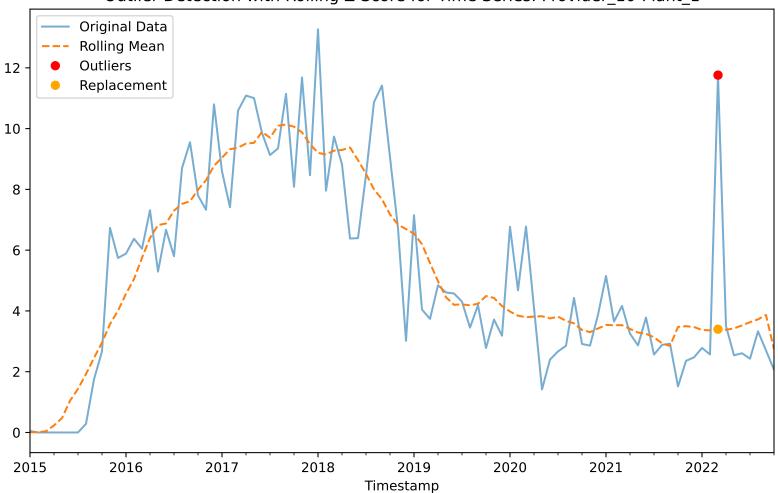
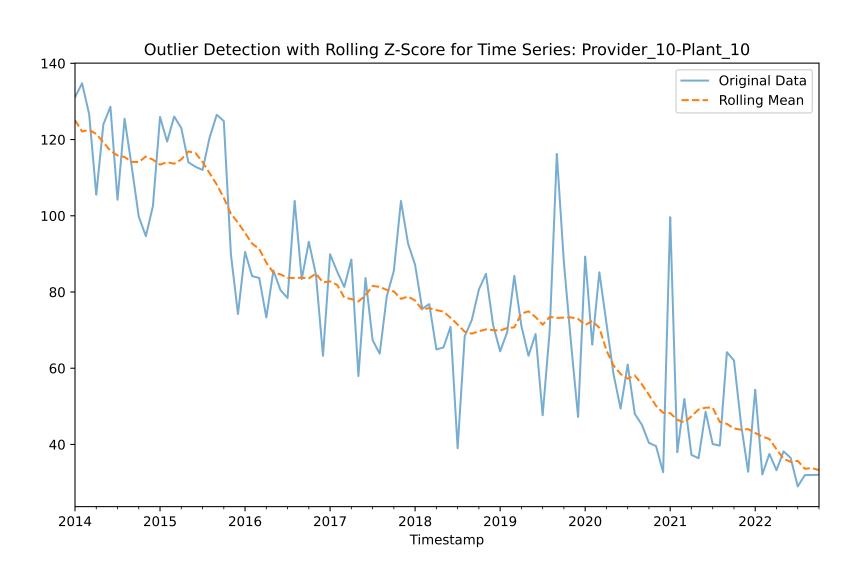
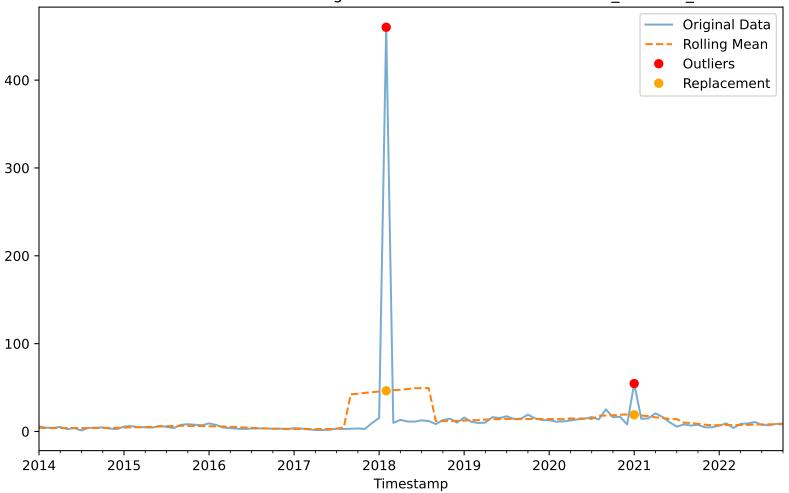
Outlier Detection with Rolling Z-Score for Time Series: Provider\_10-Plant\_1

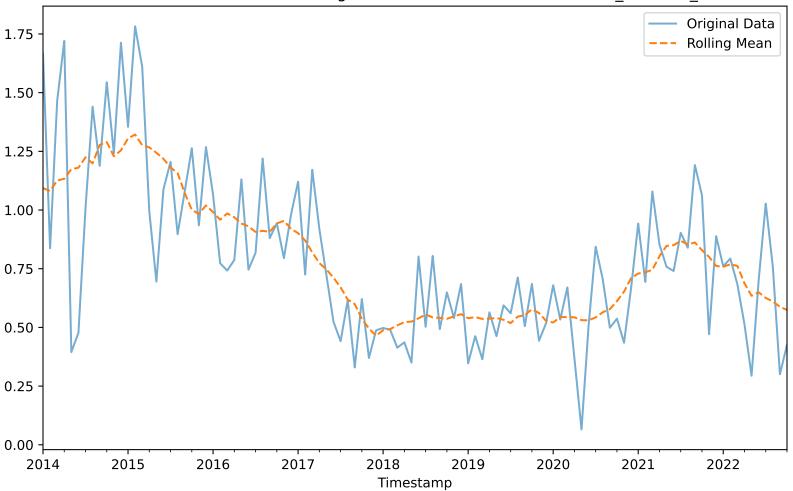




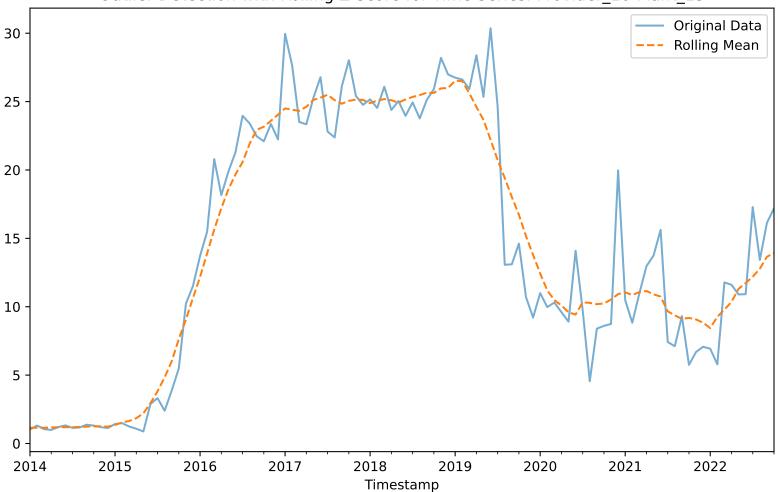
Outlier Detection with Rolling Z-Score for Time Series: Provider\_10-Plant\_11



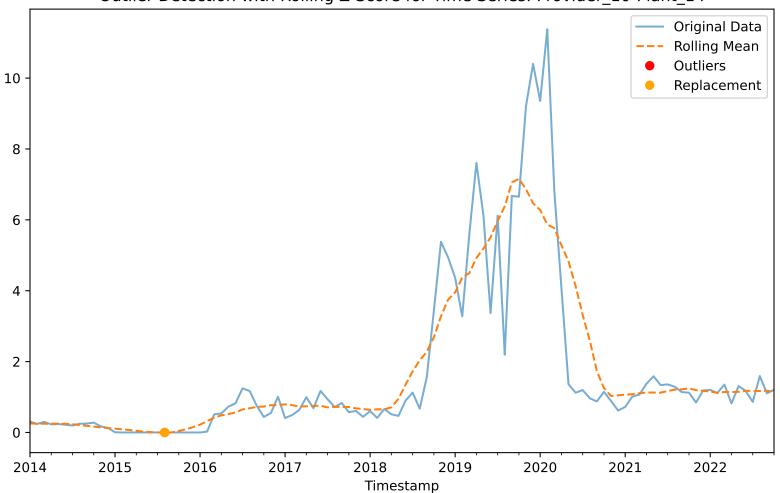
Outlier Detection with Rolling Z-Score for Time Series: Provider\_10-Plant\_12



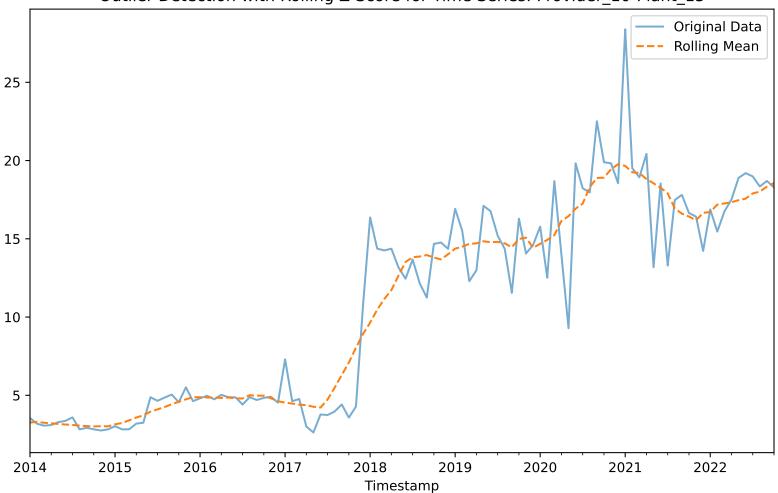
Outlier Detection with Rolling Z-Score for Time Series: Provider\_10-Plant\_13



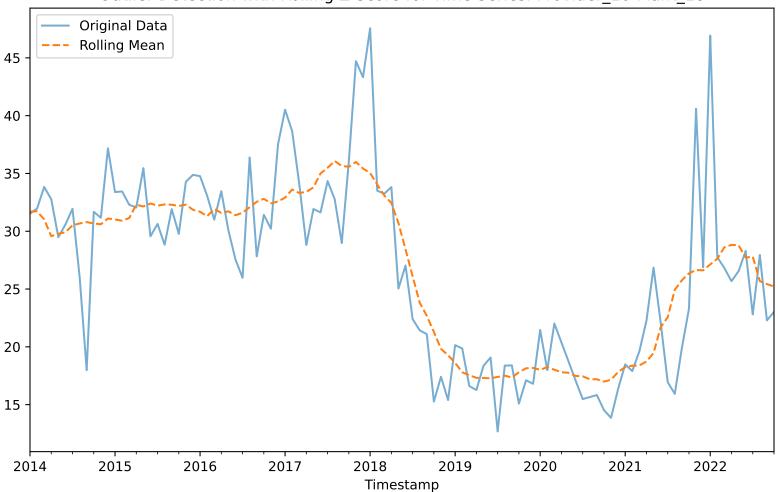
Outlier Detection with Rolling Z-Score for Time Series: Provider\_10-Plant\_14



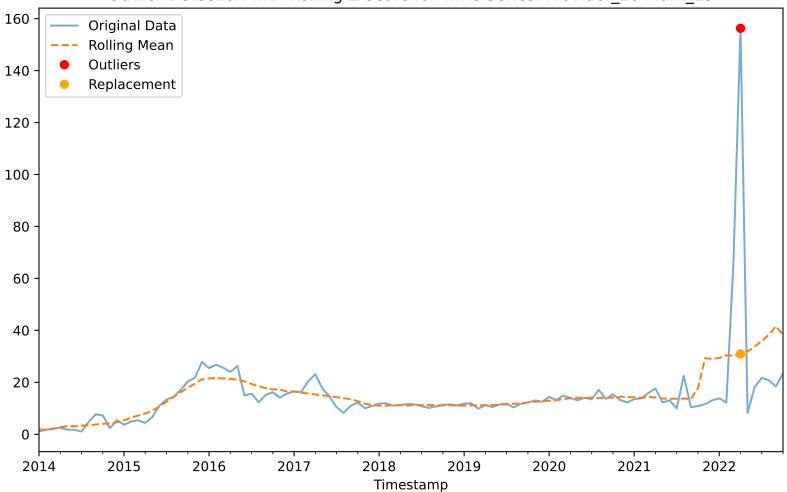
Outlier Detection with Rolling Z-Score for Time Series: Provider\_10-Plant\_15



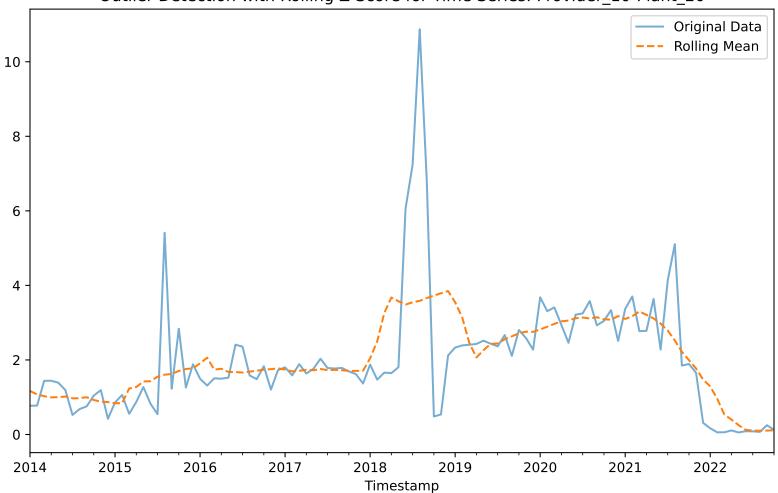
Outlier Detection with Rolling Z-Score for Time Series: Provider\_10-Plant\_18



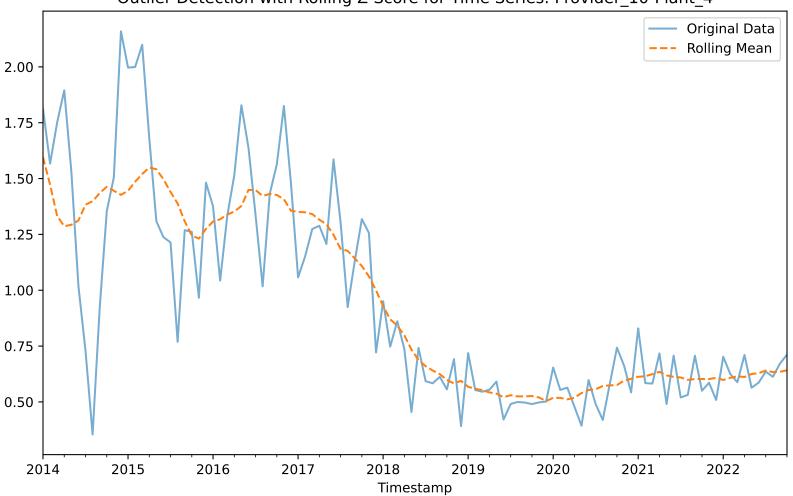
Outlier Detection with Rolling Z-Score for Time Series: Provider\_10-Plant\_19



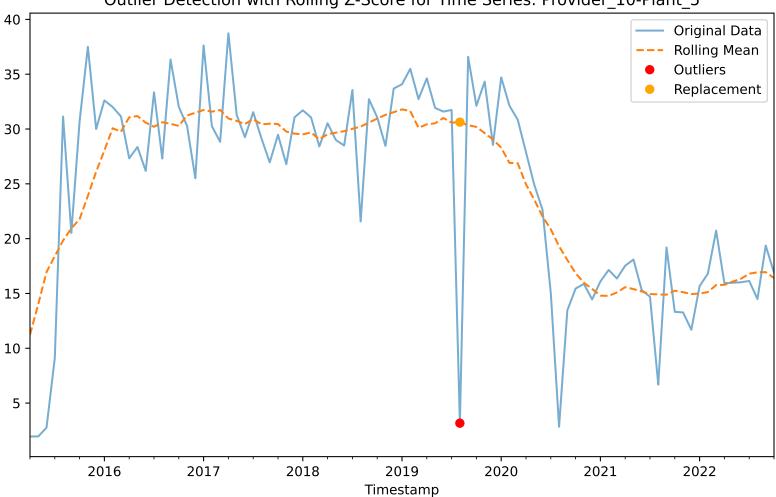
Outlier Detection with Rolling Z-Score for Time Series: Provider\_10-Plant\_20



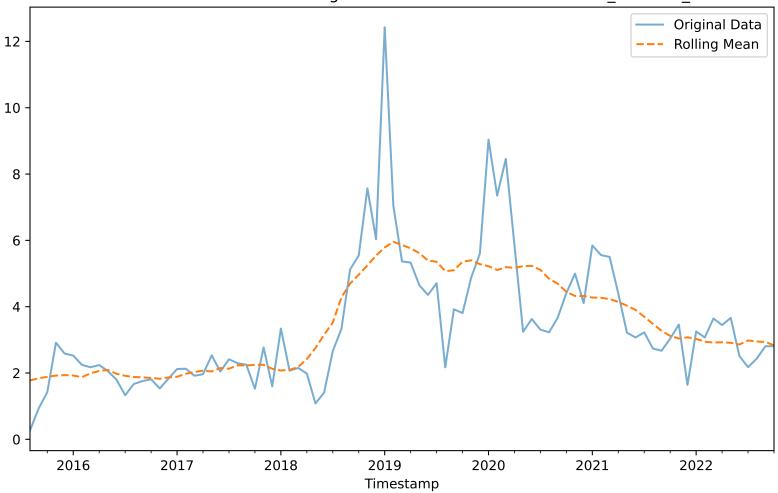
Outlier Detection with Rolling Z-Score for Time Series: Provider\_10-Plant\_4



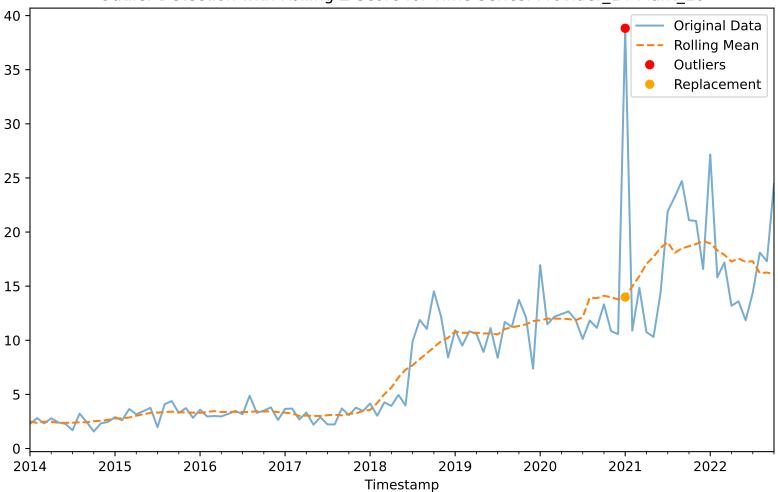
Outlier Detection with Rolling Z-Score for Time Series: Provider\_10-Plant\_5



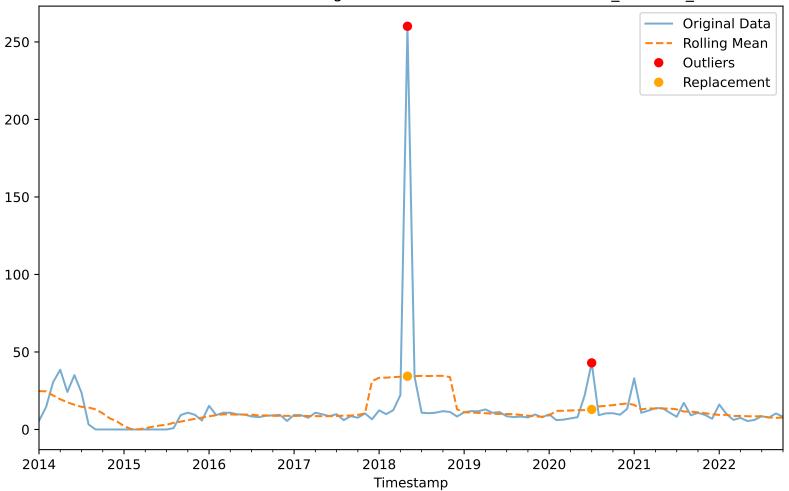
Outlier Detection with Rolling Z-Score for Time Series: Provider\_14-Plant\_1



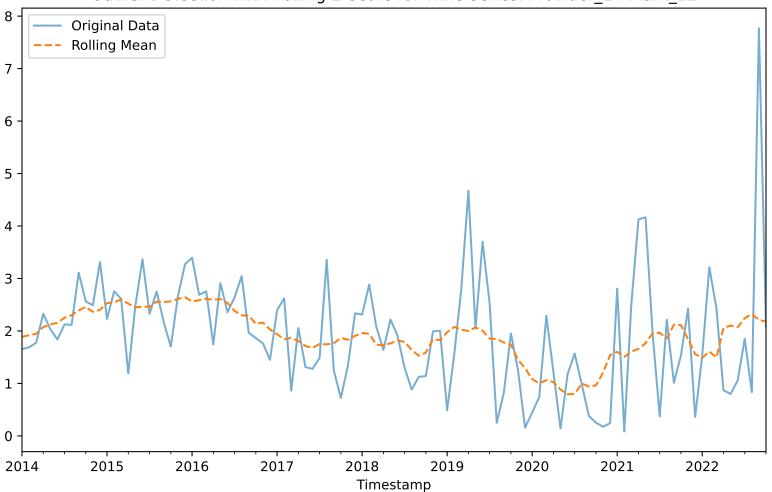
Outlier Detection with Rolling Z-Score for Time Series: Provider\_14-Plant\_10



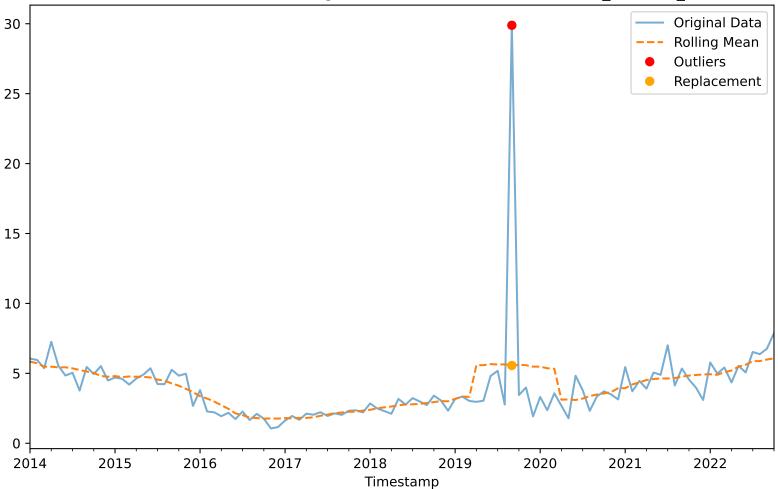
Outlier Detection with Rolling Z-Score for Time Series: Provider\_14-Plant\_11



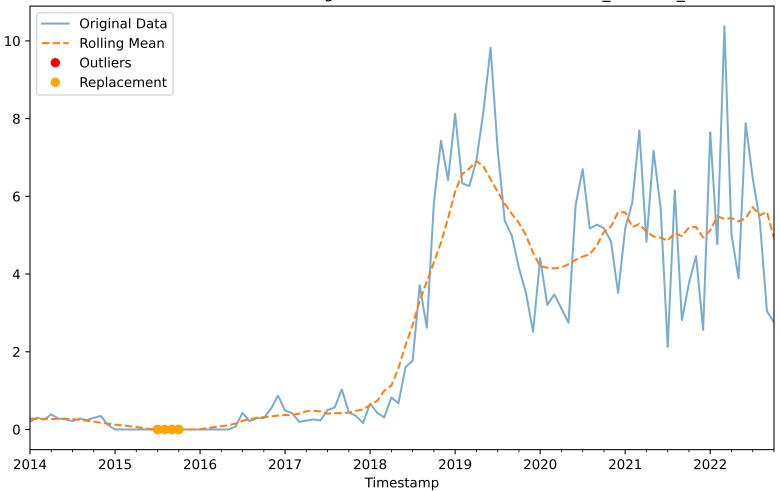
Outlier Detection with Rolling Z-Score for Time Series: Provider\_14-Plant\_12



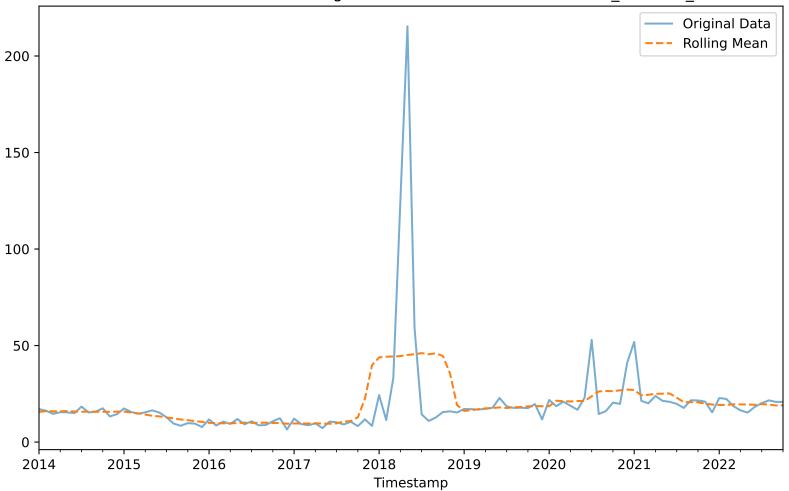
Outlier Detection with Rolling Z-Score for Time Series: Provider\_14-Plant\_13



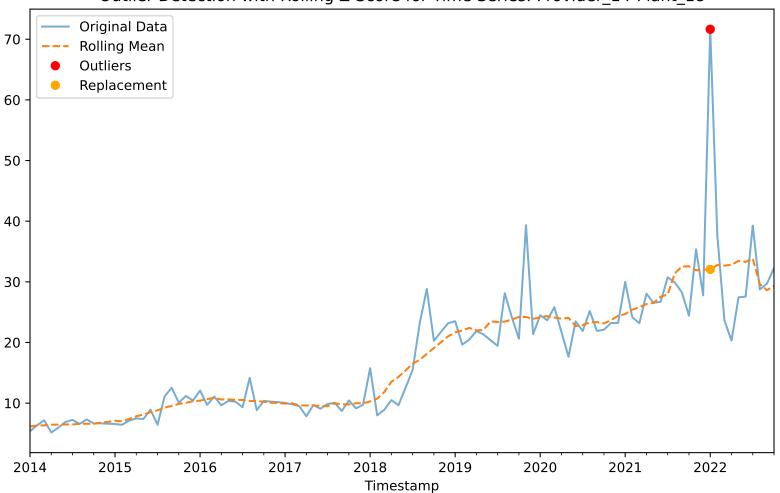
Outlier Detection with Rolling Z-Score for Time Series: Provider\_14-Plant\_14



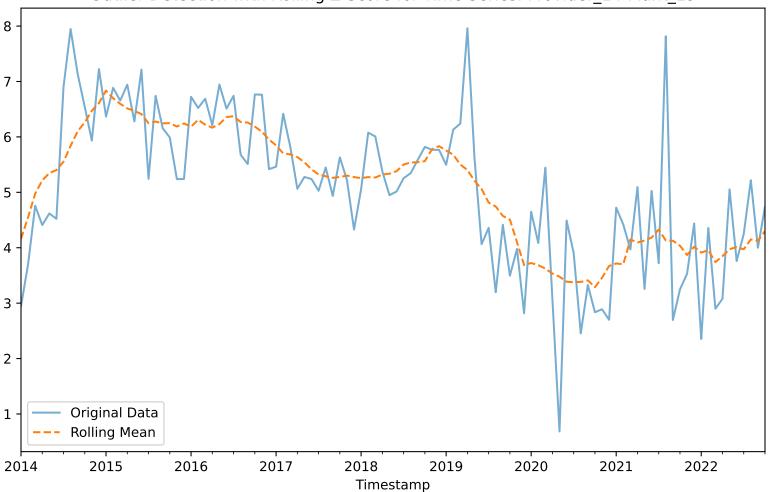
Outlier Detection with Rolling Z-Score for Time Series: Provider\_14-Plant\_15



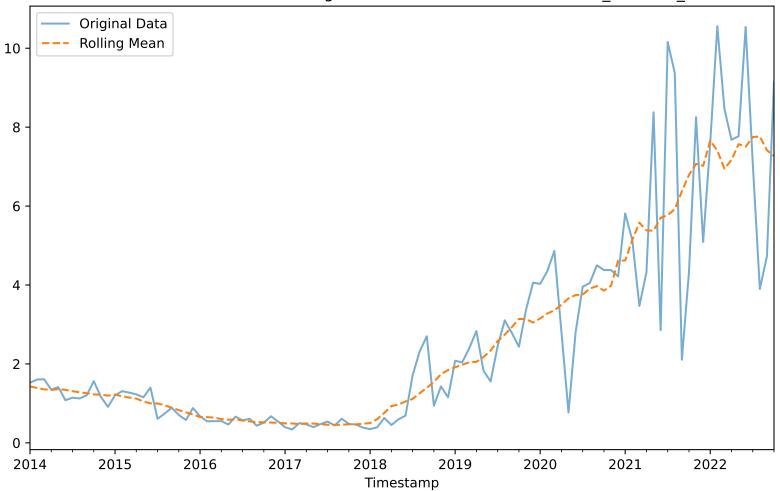
Outlier Detection with Rolling Z-Score for Time Series: Provider\_14-Plant\_18



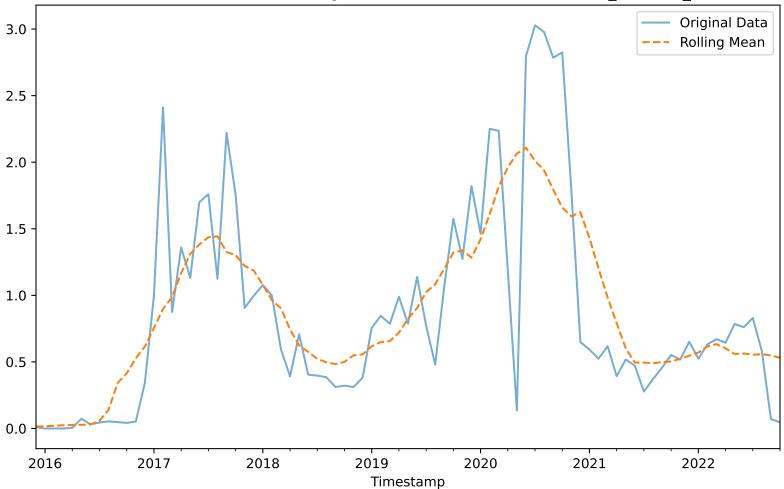
Outlier Detection with Rolling Z-Score for Time Series: Provider\_14-Plant\_19



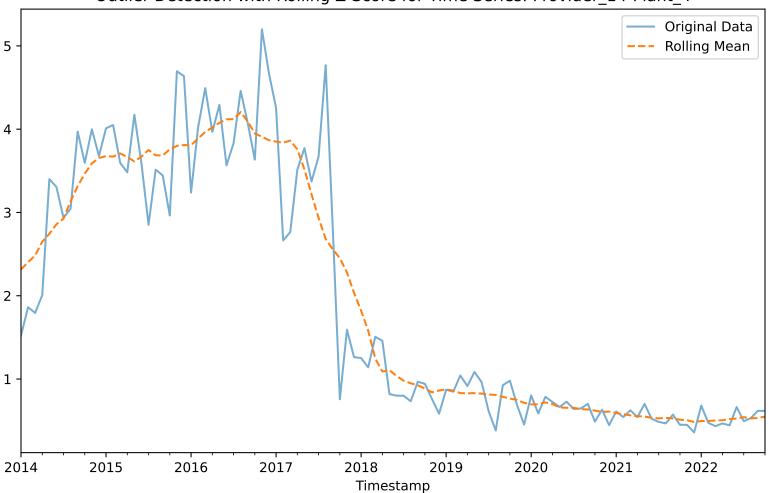
Outlier Detection with Rolling Z-Score for Time Series: Provider\_14-Plant\_20



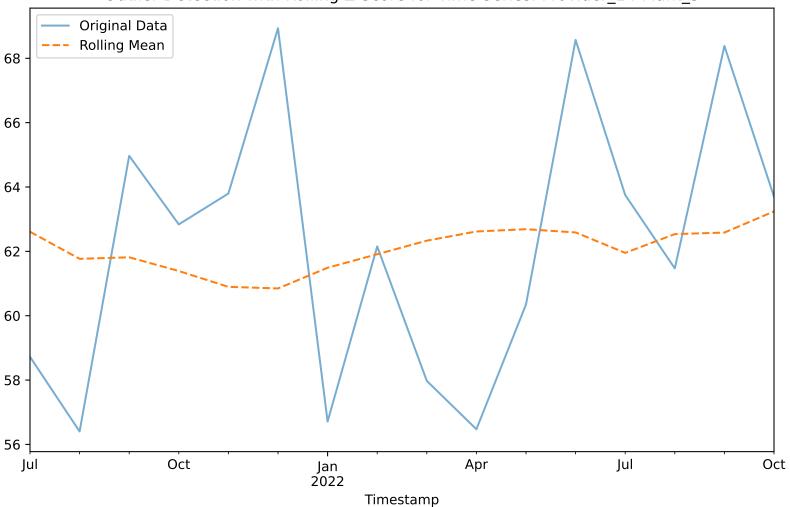
Outlier Detection with Rolling Z-Score for Time Series: Provider\_14-Plant\_22



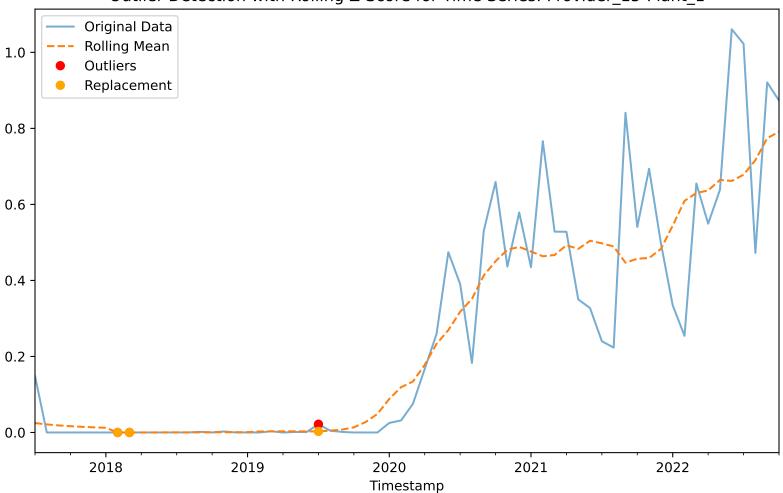
Outlier Detection with Rolling Z-Score for Time Series: Provider\_14-Plant\_4



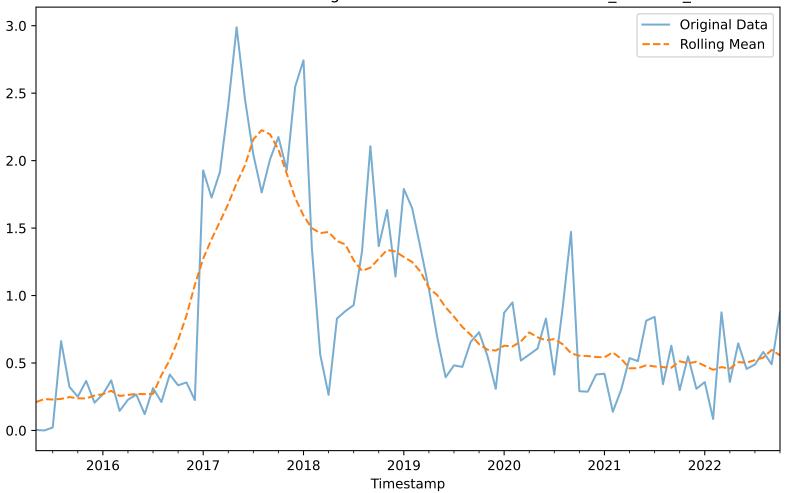
Outlier Detection with Rolling Z-Score for Time Series: Provider\_14-Plant\_5



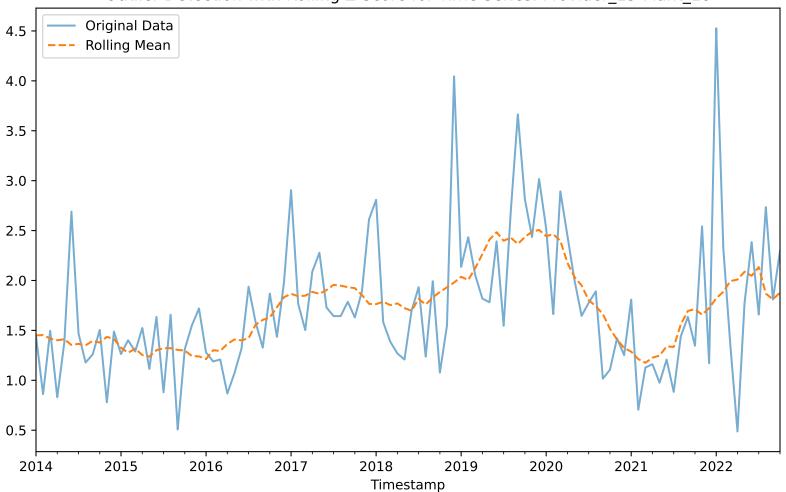
Outlier Detection with Rolling Z-Score for Time Series: Provider\_15-Plant\_1



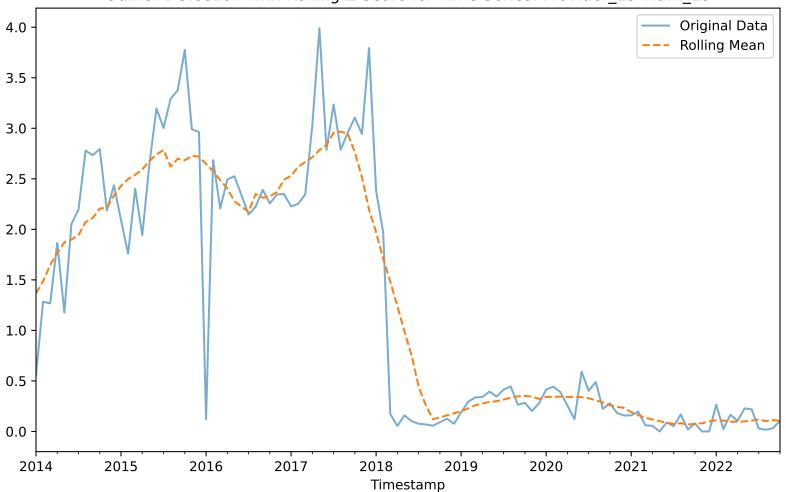
Outlier Detection with Rolling Z-Score for Time Series: Provider\_15-Plant\_13



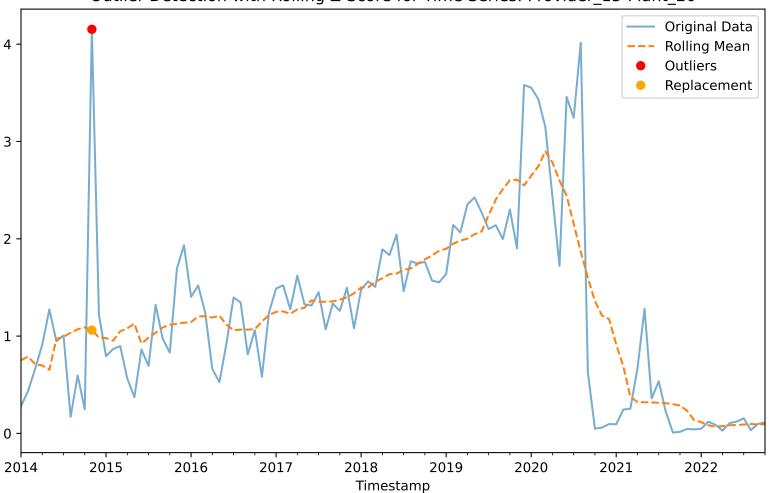
Outlier Detection with Rolling Z-Score for Time Series: Provider\_15-Plant\_18

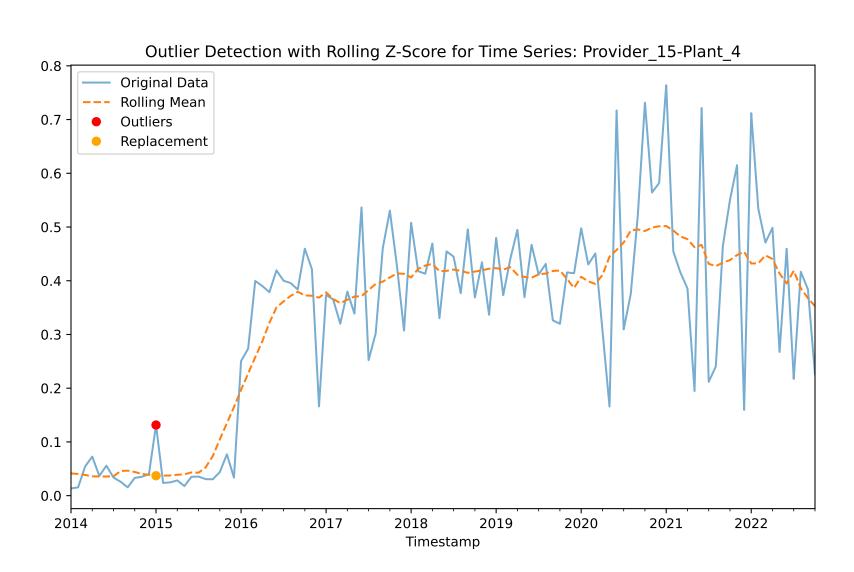


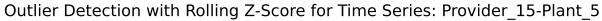
Outlier Detection with Rolling Z-Score for Time Series: Provider\_15-Plant\_19

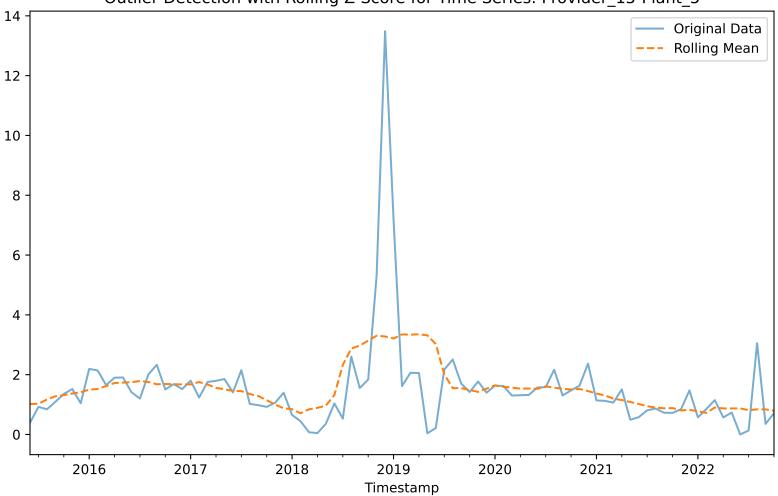


Outlier Detection with Rolling Z-Score for Time Series: Provider\_15-Plant\_20

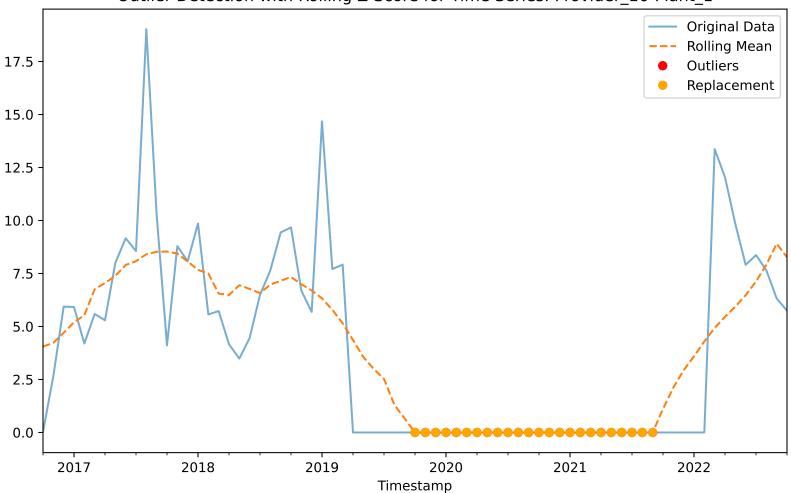




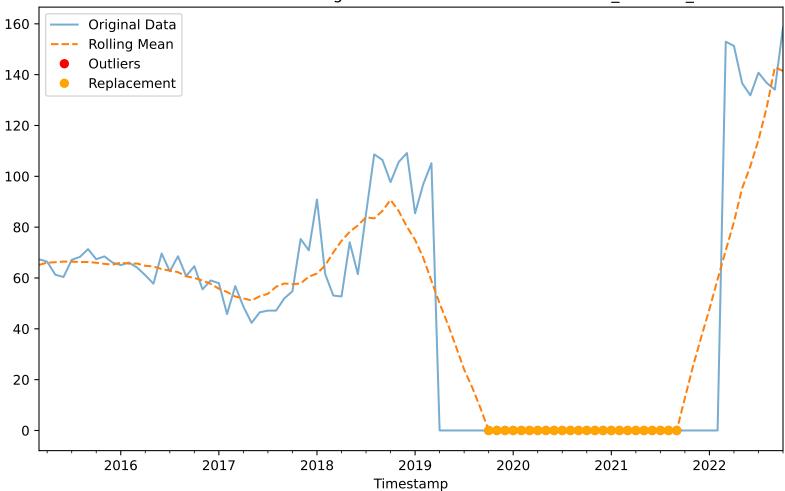




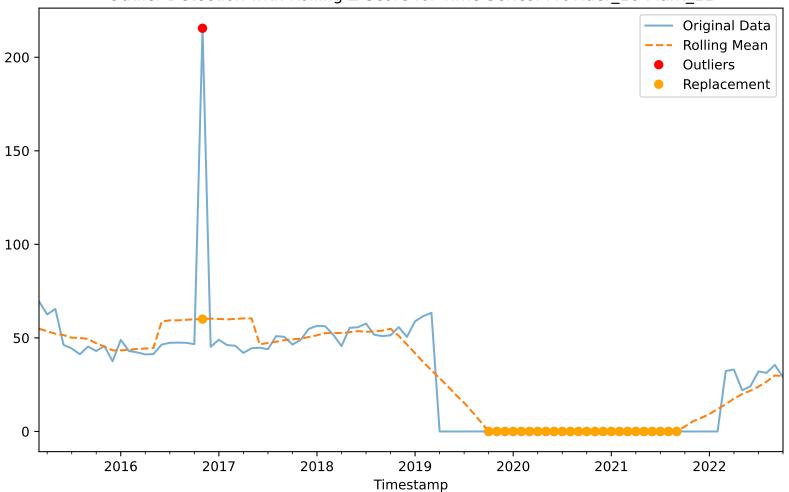
Outlier Detection with Rolling Z-Score for Time Series: Provider\_16-Plant\_1



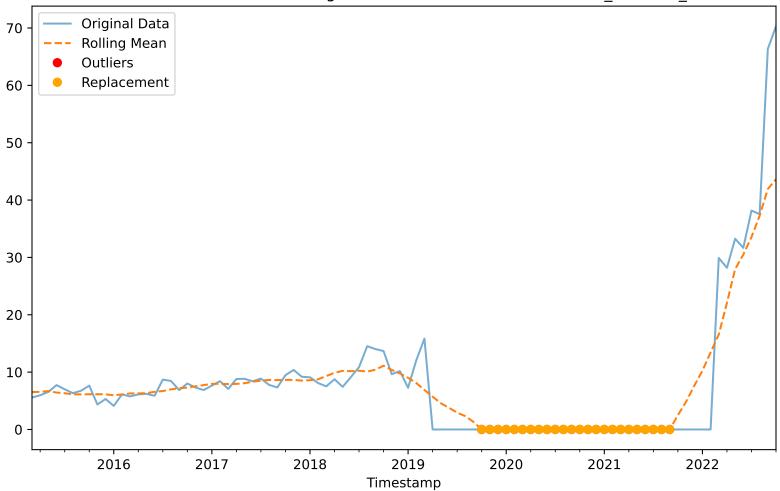
Outlier Detection with Rolling Z-Score for Time Series: Provider\_16-Plant\_10

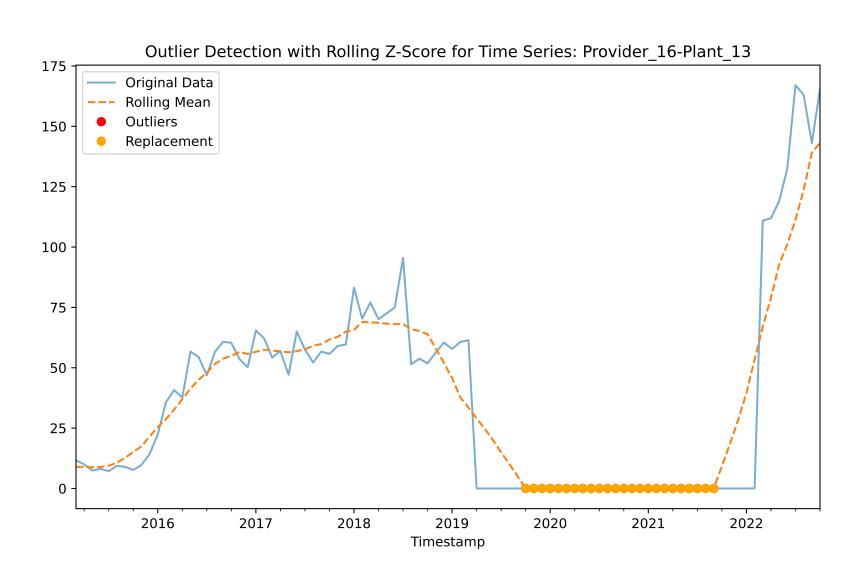


Outlier Detection with Rolling Z-Score for Time Series: Provider\_16-Plant\_11

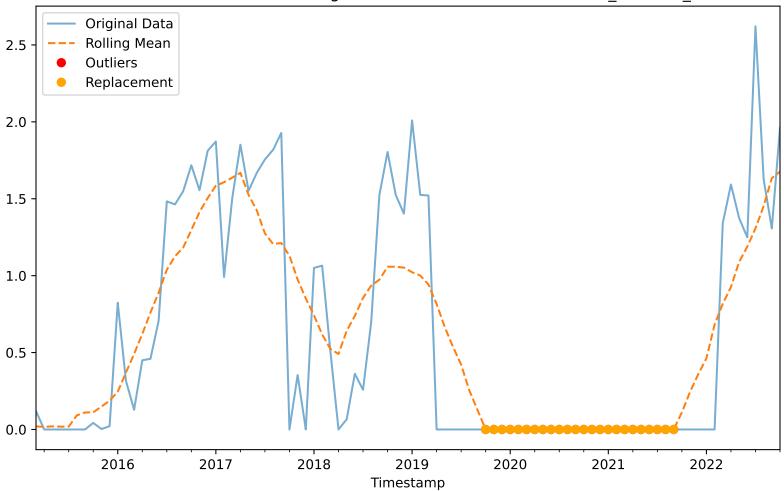


Outlier Detection with Rolling Z-Score for Time Series: Provider\_16-Plant\_12

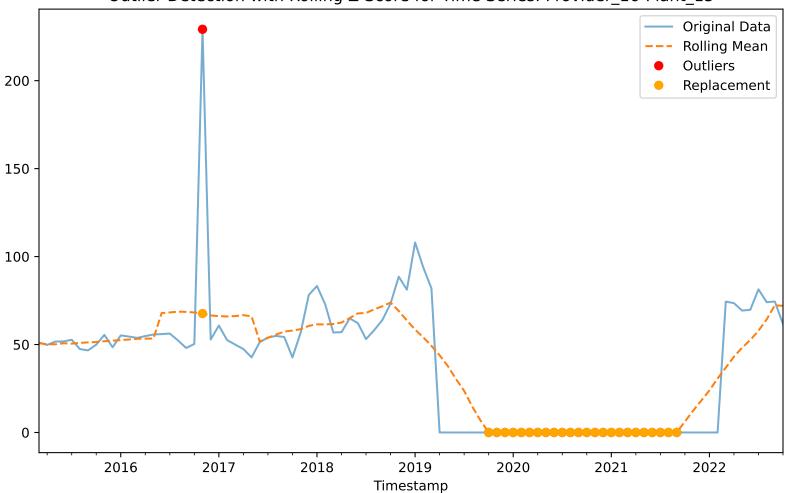




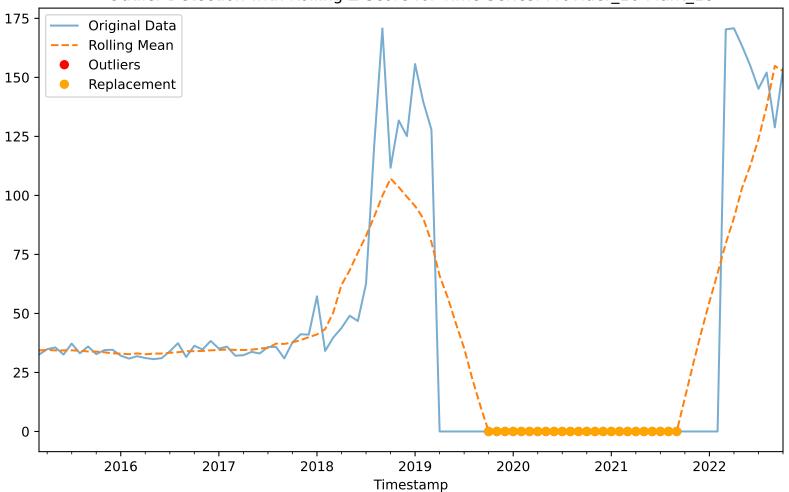
Outlier Detection with Rolling Z-Score for Time Series: Provider\_16-Plant\_14



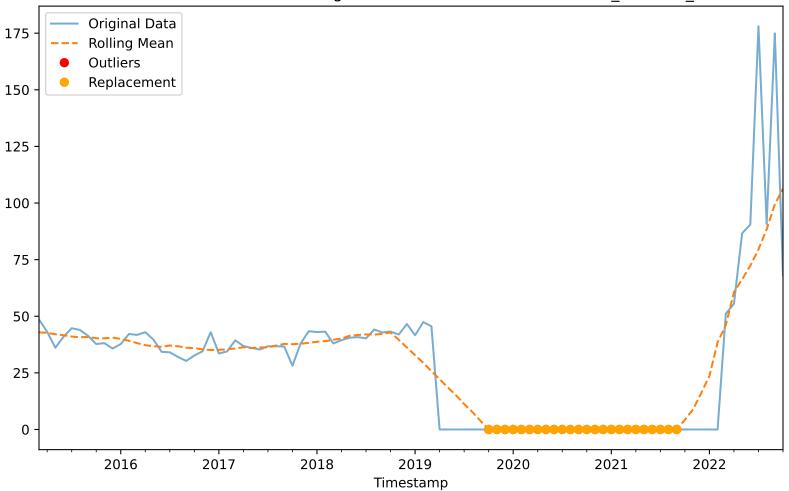
Outlier Detection with Rolling Z-Score for Time Series: Provider\_16-Plant\_15



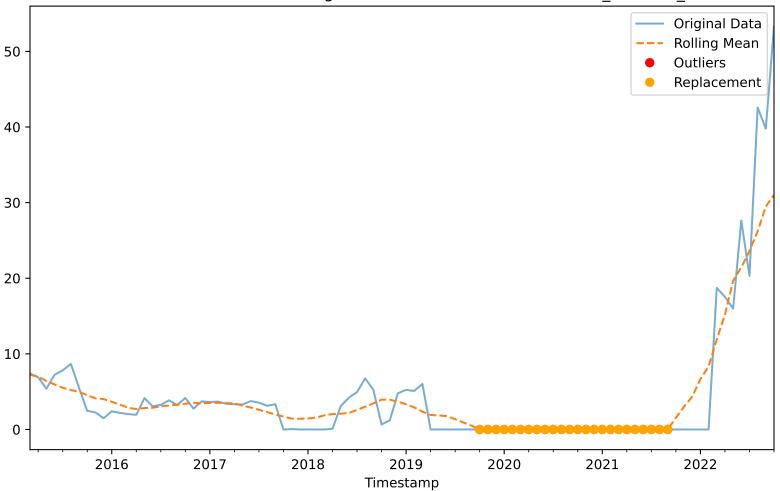
Outlier Detection with Rolling Z-Score for Time Series: Provider\_16-Plant\_18



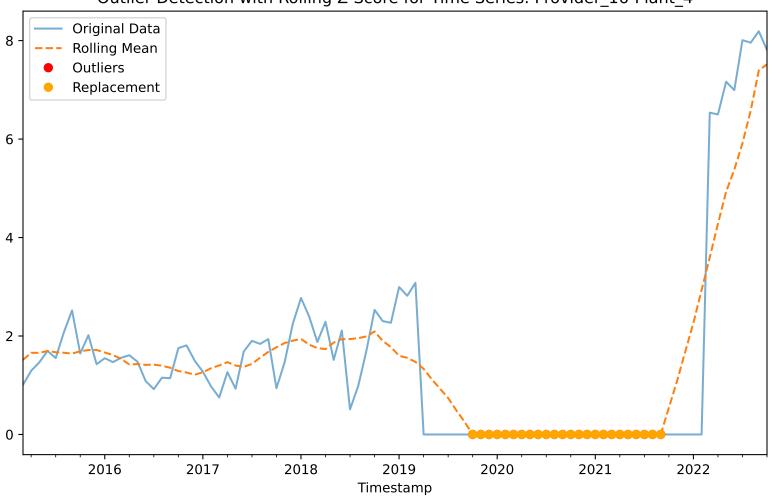
Outlier Detection with Rolling Z-Score for Time Series: Provider\_16-Plant\_19



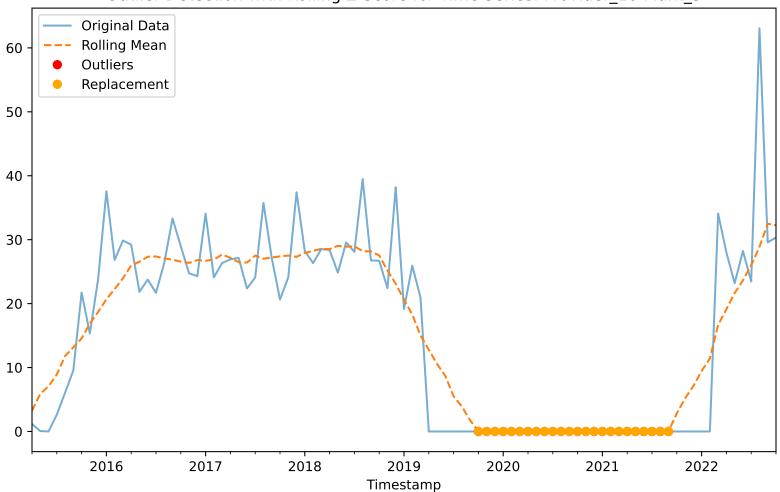
Outlier Detection with Rolling Z-Score for Time Series: Provider\_16-Plant\_20



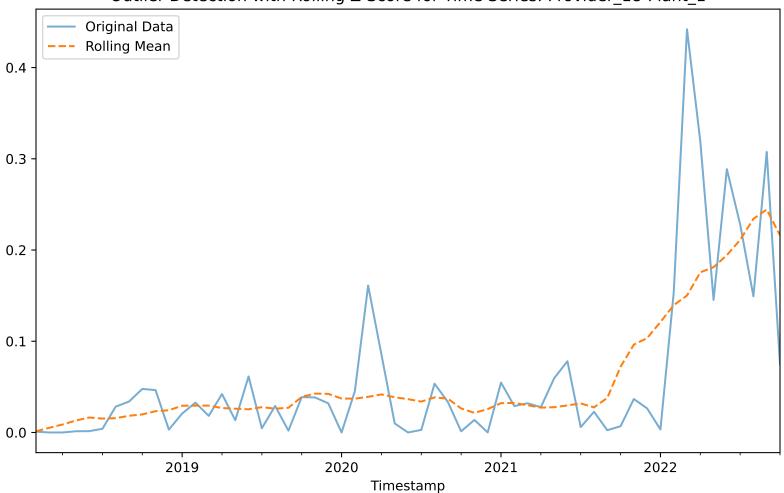
Outlier Detection with Rolling Z-Score for Time Series: Provider\_16-Plant\_4



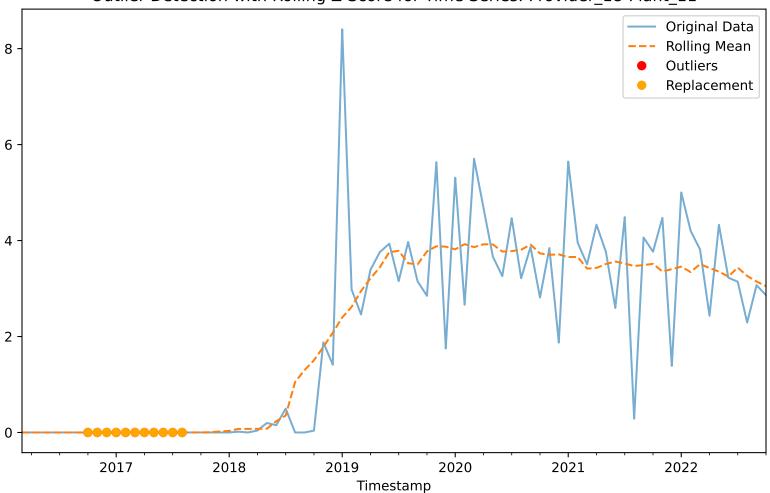
Outlier Detection with Rolling Z-Score for Time Series: Provider\_16-Plant\_5



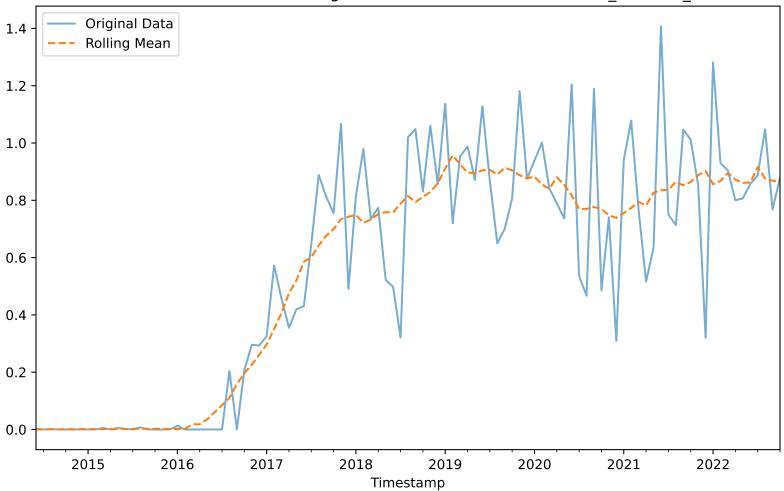
Outlier Detection with Rolling Z-Score for Time Series: Provider\_18-Plant\_1



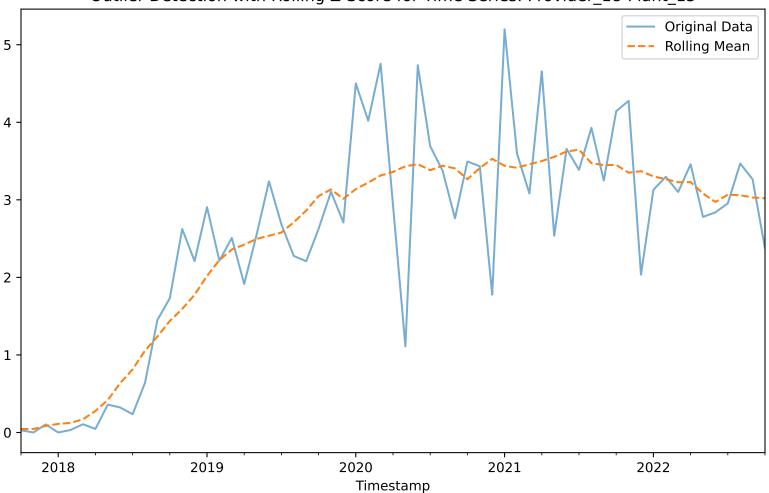
Outlier Detection with Rolling Z-Score for Time Series: Provider\_18-Plant\_11



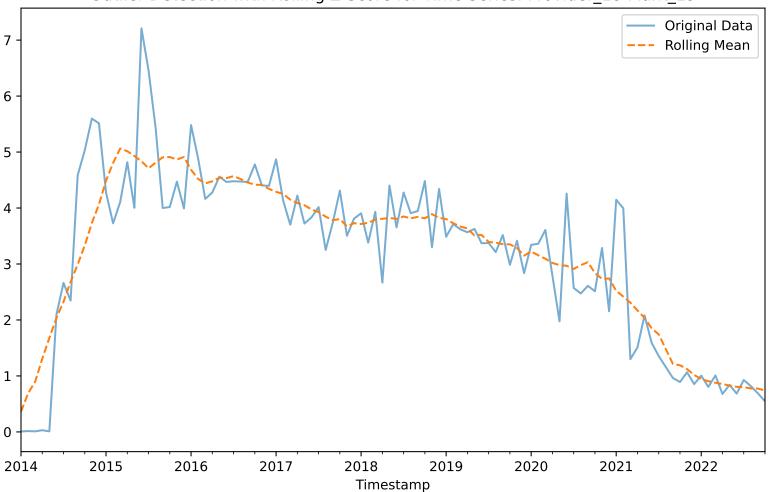
Outlier Detection with Rolling Z-Score for Time Series: Provider\_18-Plant\_13



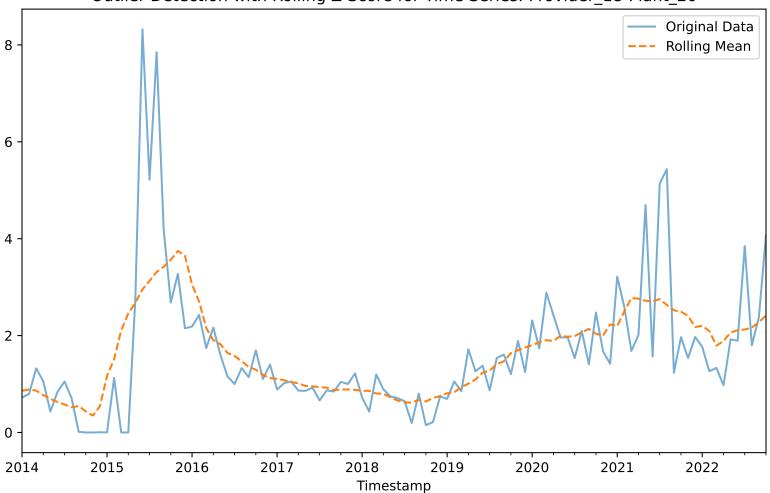
Outlier Detection with Rolling Z-Score for Time Series: Provider\_18-Plant\_15



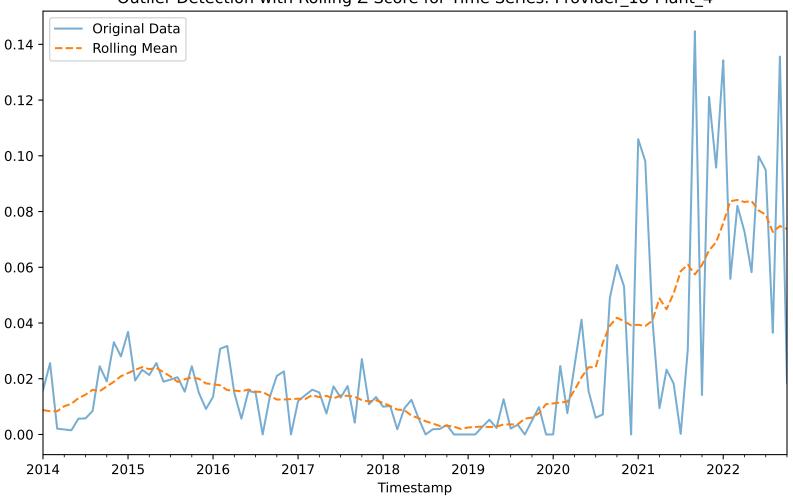
Outlier Detection with Rolling Z-Score for Time Series: Provider\_18-Plant\_19



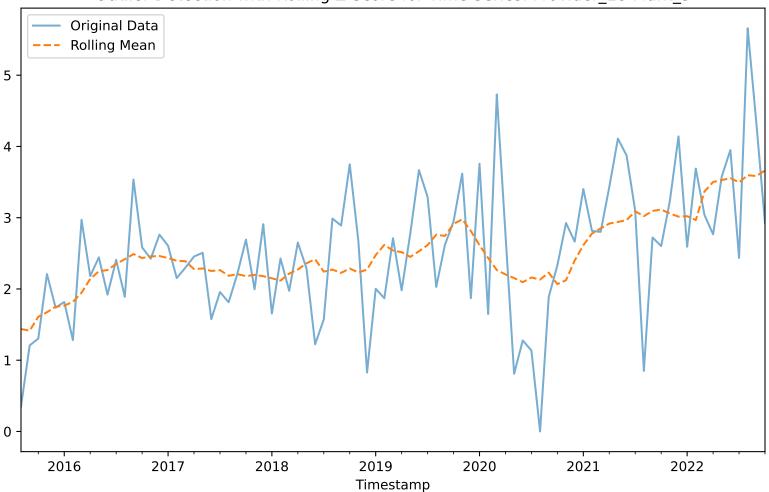
Outlier Detection with Rolling Z-Score for Time Series: Provider\_18-Plant\_20



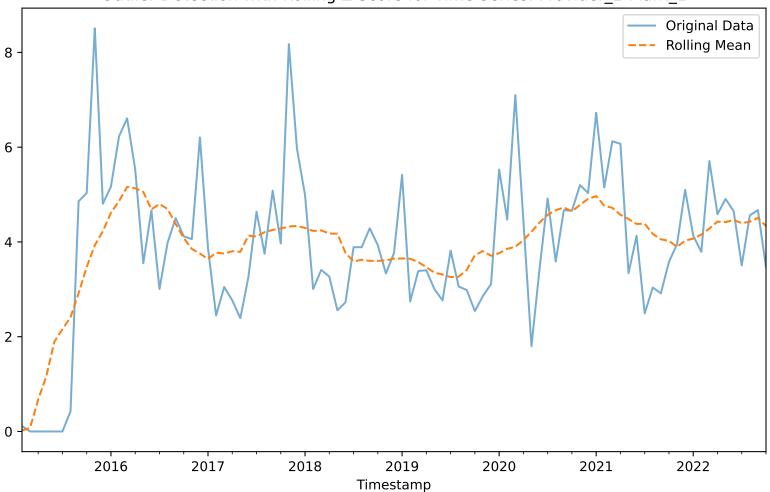
Outlier Detection with Rolling Z-Score for Time Series: Provider\_18-Plant\_4



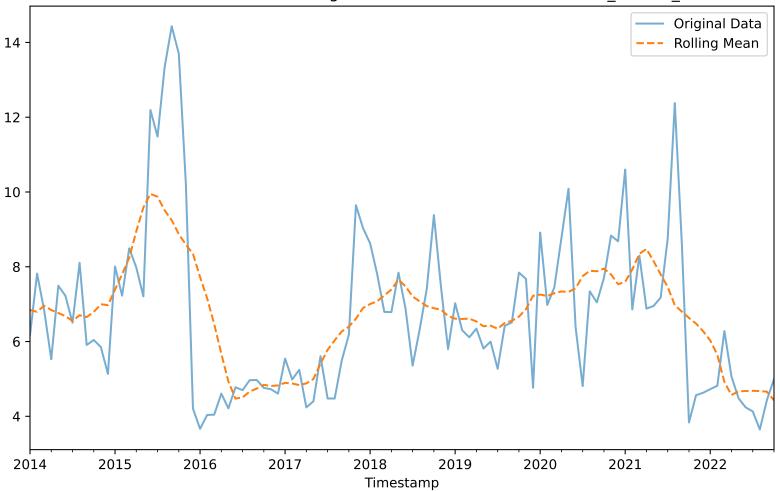
Outlier Detection with Rolling Z-Score for Time Series: Provider\_18-Plant\_5



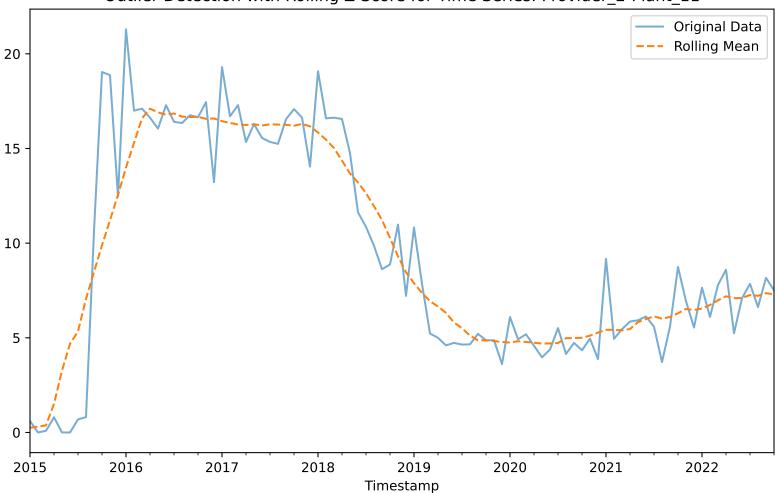
Outlier Detection with Rolling Z-Score for Time Series: Provider\_2-Plant\_1



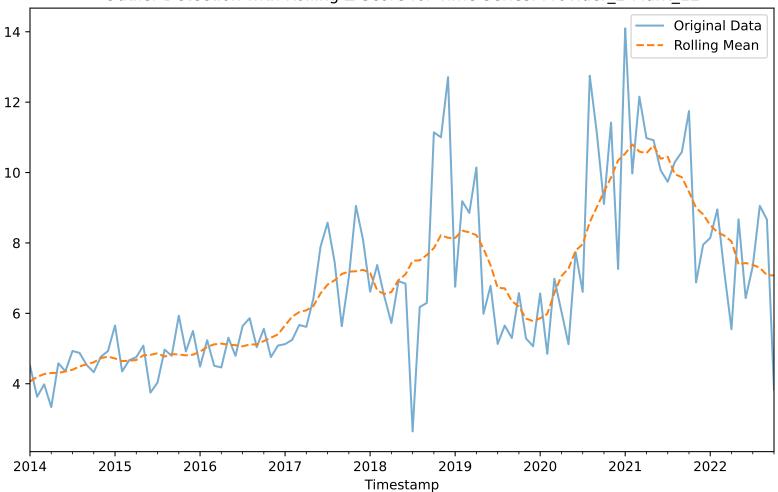
Outlier Detection with Rolling Z-Score for Time Series: Provider\_2-Plant\_10



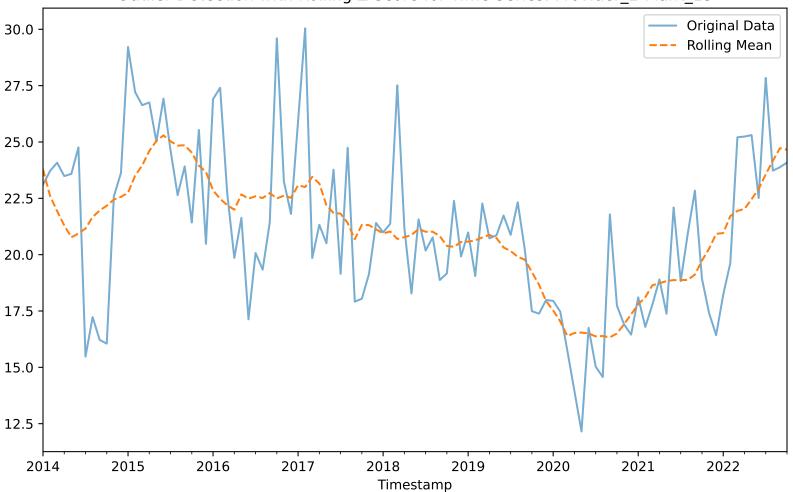
Outlier Detection with Rolling Z-Score for Time Series: Provider\_2-Plant\_11



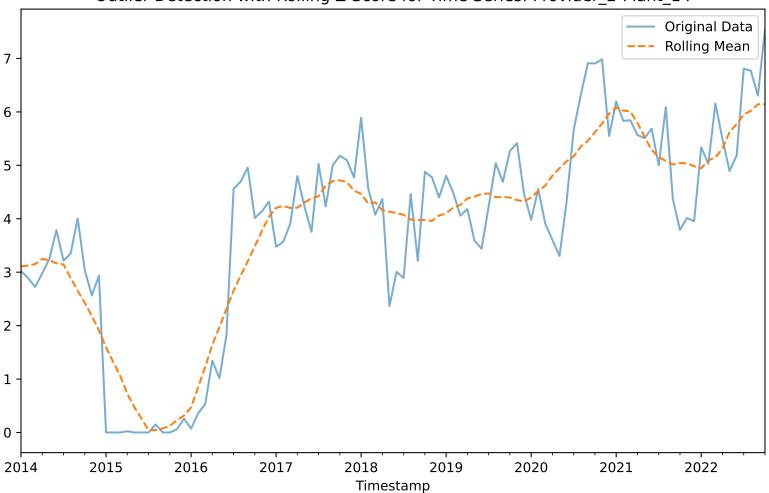
Outlier Detection with Rolling Z-Score for Time Series: Provider\_2-Plant\_12



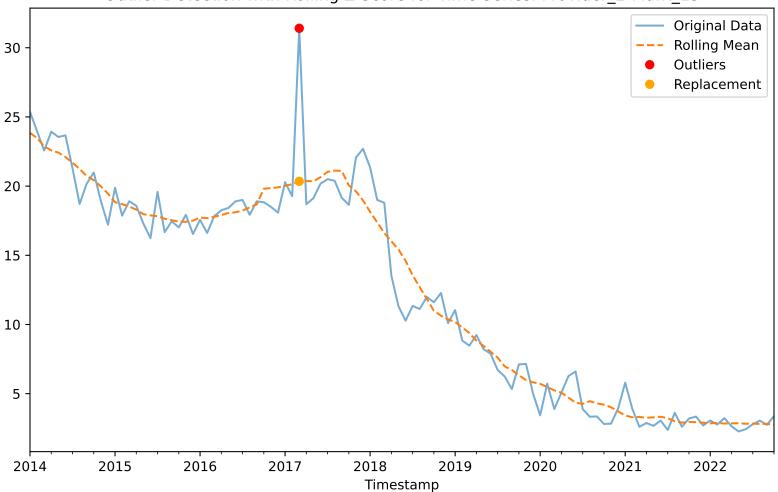
Outlier Detection with Rolling Z-Score for Time Series: Provider\_2-Plant\_13



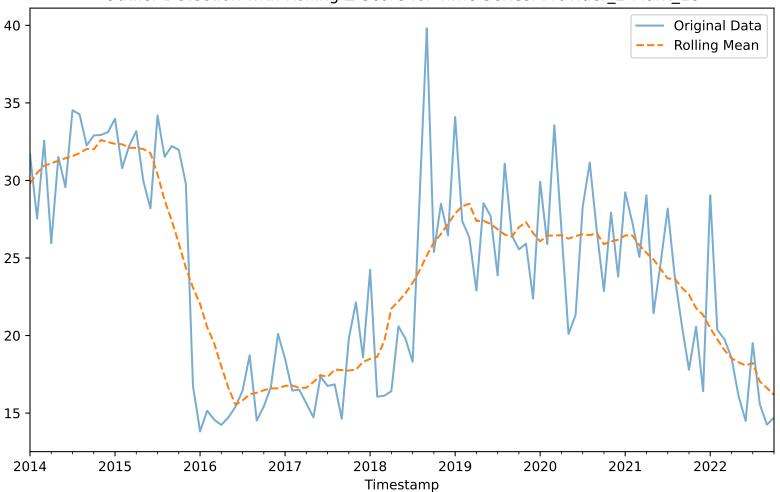
Outlier Detection with Rolling Z-Score for Time Series: Provider\_2-Plant\_14

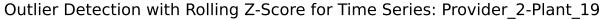


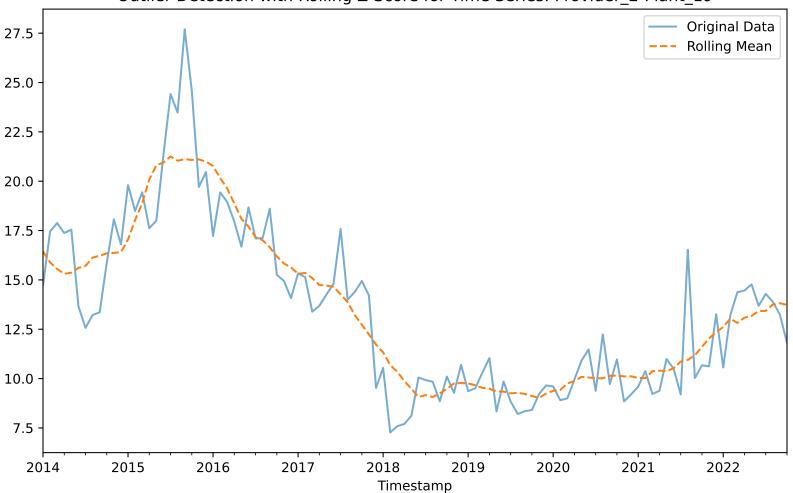
Outlier Detection with Rolling Z-Score for Time Series: Provider\_2-Plant\_15



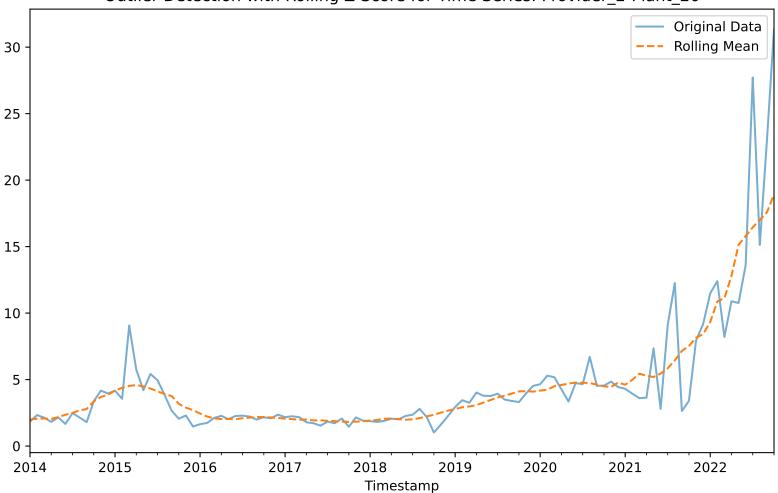
Outlier Detection with Rolling Z-Score for Time Series: Provider\_2-Plant\_18



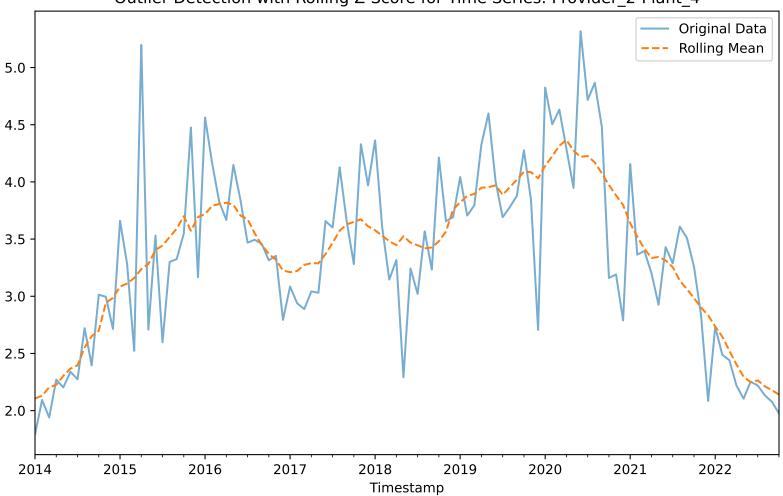




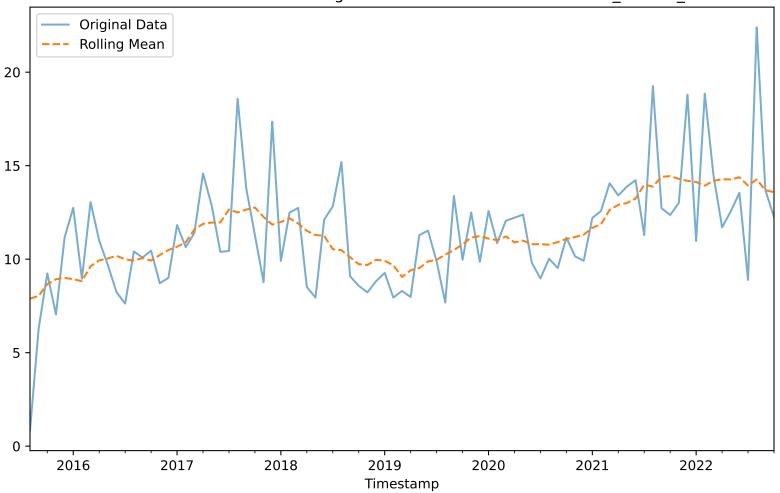
Outlier Detection with Rolling Z-Score for Time Series: Provider\_2-Plant\_20



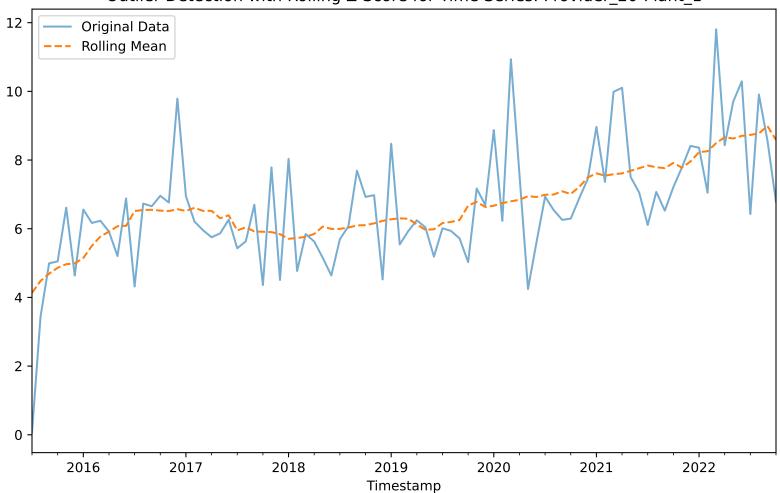
Outlier Detection with Rolling Z-Score for Time Series: Provider\_2-Plant\_4



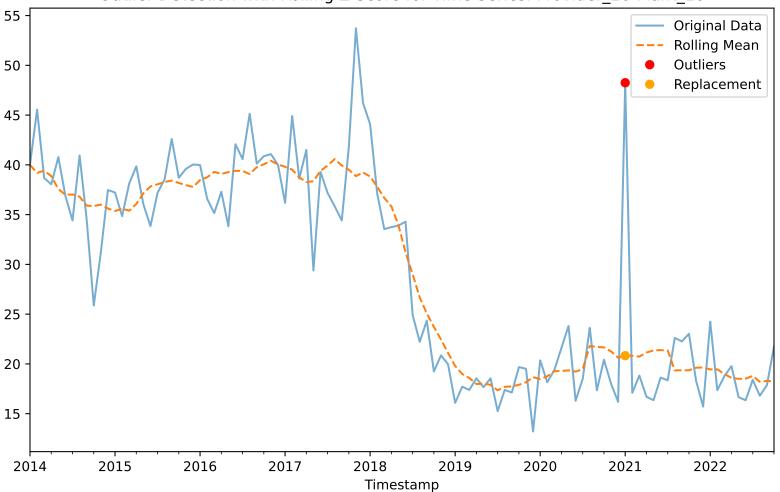
Outlier Detection with Rolling Z-Score for Time Series: Provider\_2-Plant\_5



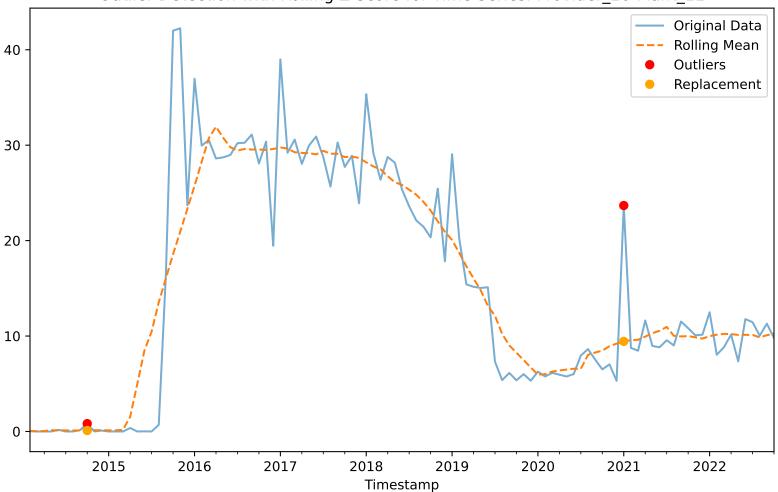
Outlier Detection with Rolling Z-Score for Time Series: Provider\_20-Plant\_1



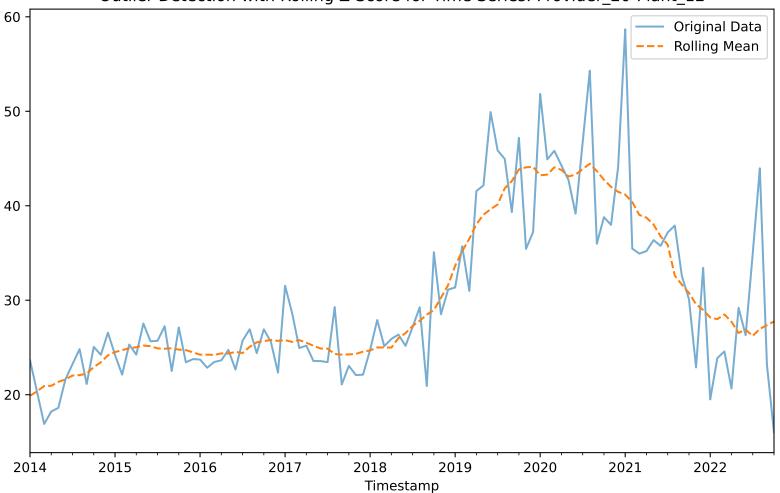
Outlier Detection with Rolling Z-Score for Time Series: Provider\_20-Plant\_10



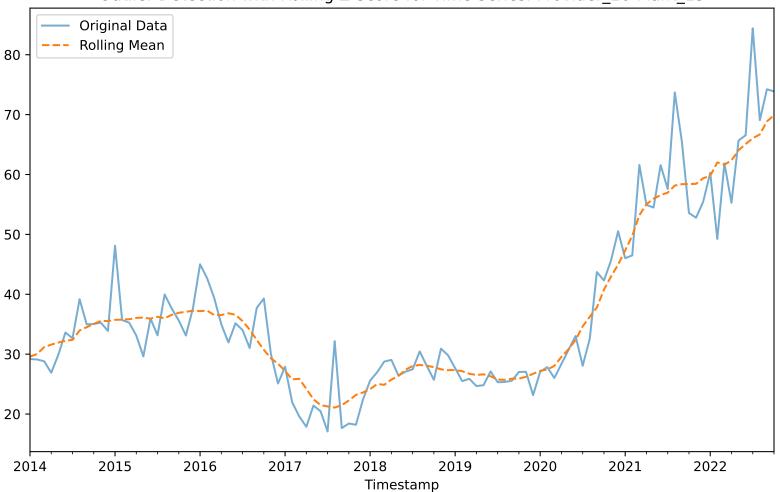
Outlier Detection with Rolling Z-Score for Time Series: Provider\_20-Plant\_11



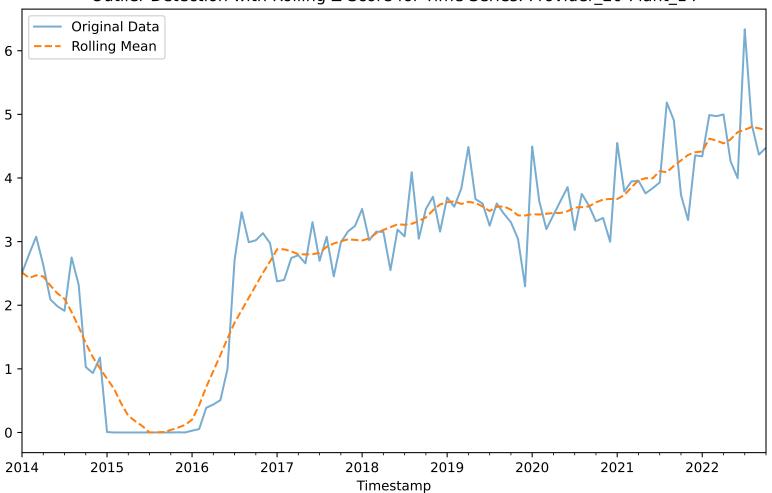
Outlier Detection with Rolling Z-Score for Time Series: Provider\_20-Plant\_12



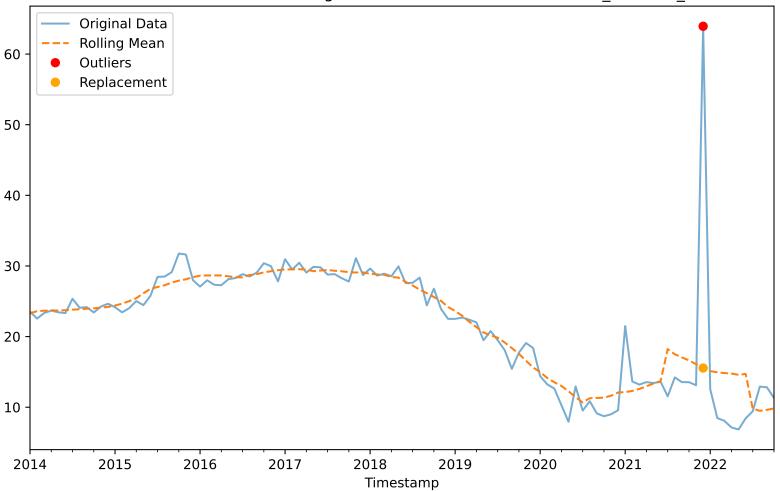
Outlier Detection with Rolling Z-Score for Time Series: Provider\_20-Plant\_13



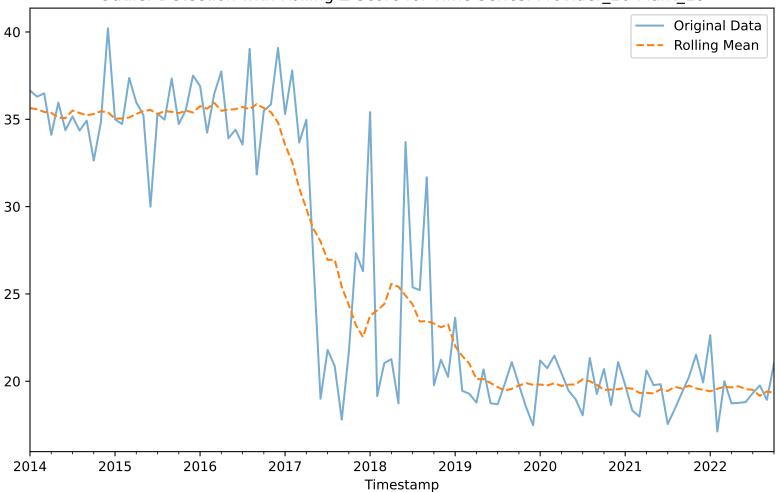
Outlier Detection with Rolling Z-Score for Time Series: Provider\_20-Plant\_14



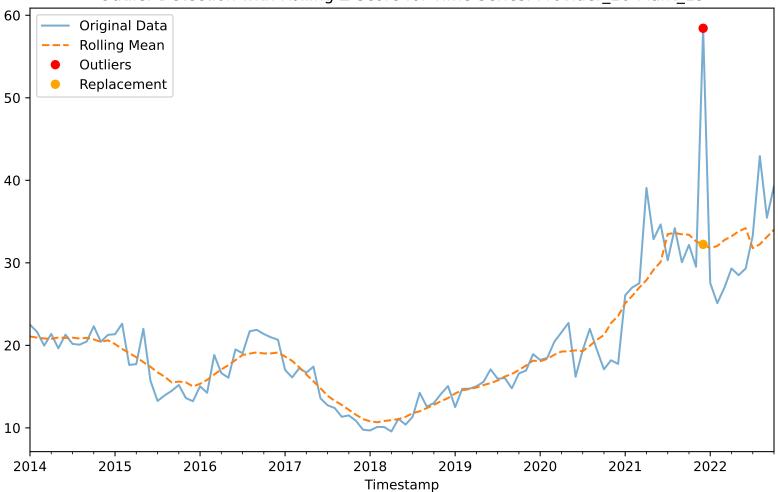
Outlier Detection with Rolling Z-Score for Time Series: Provider\_20-Plant\_15



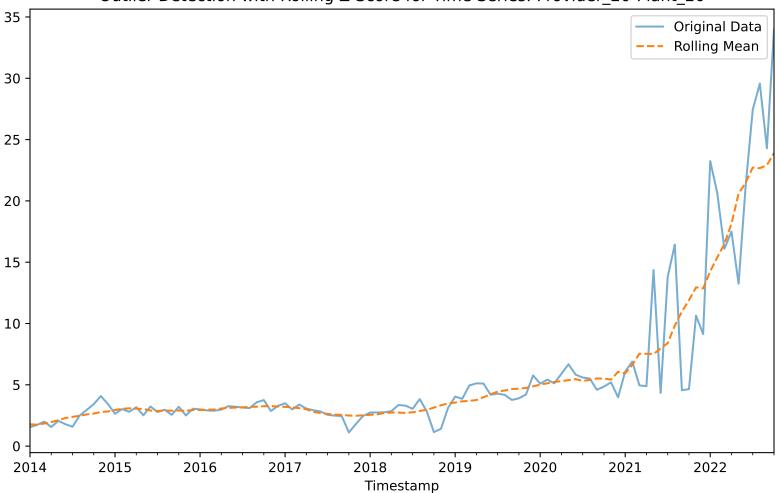
Outlier Detection with Rolling Z-Score for Time Series: Provider\_20-Plant\_18



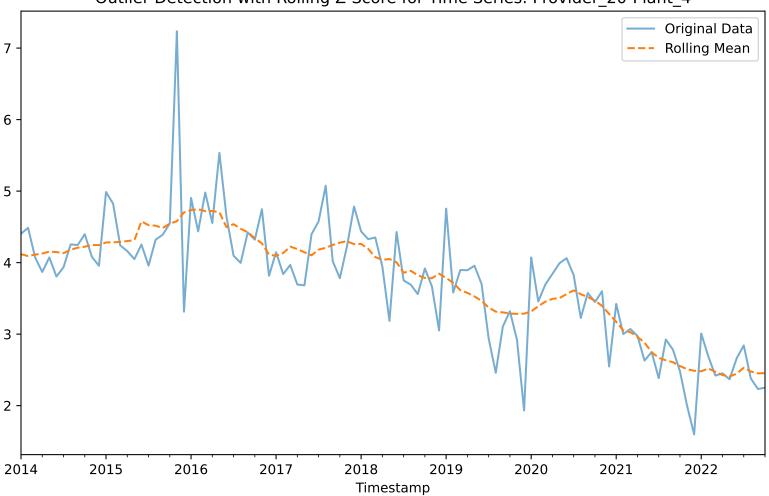
Outlier Detection with Rolling Z-Score for Time Series: Provider\_20-Plant\_19



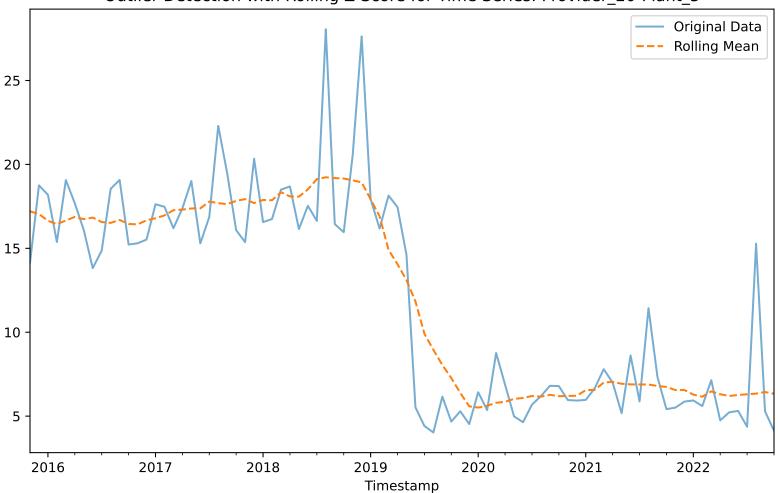
Outlier Detection with Rolling Z-Score for Time Series: Provider\_20-Plant\_20

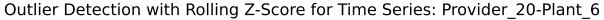


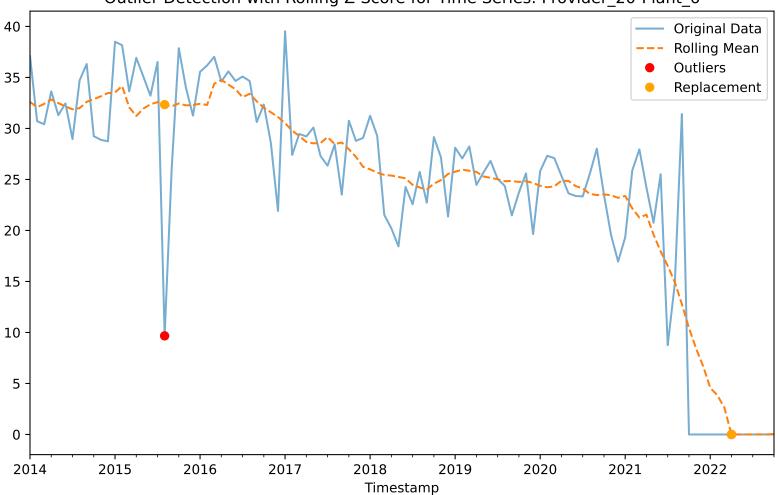
Outlier Detection with Rolling Z-Score for Time Series: Provider\_20-Plant\_4



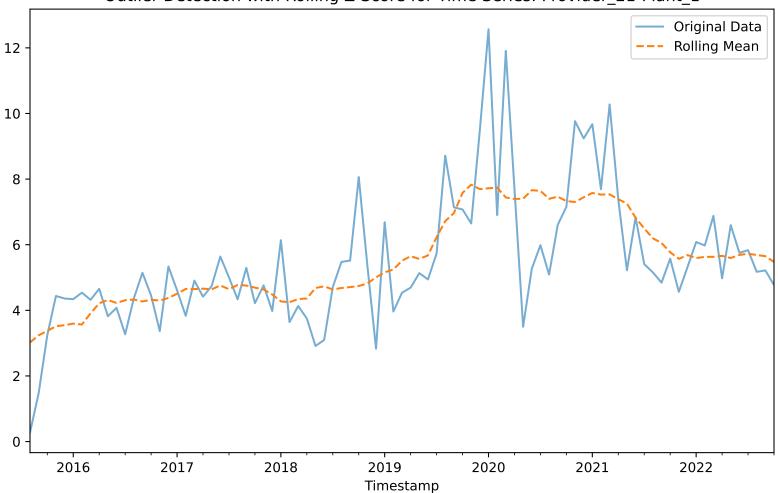
Outlier Detection with Rolling Z-Score for Time Series: Provider\_20-Plant\_5



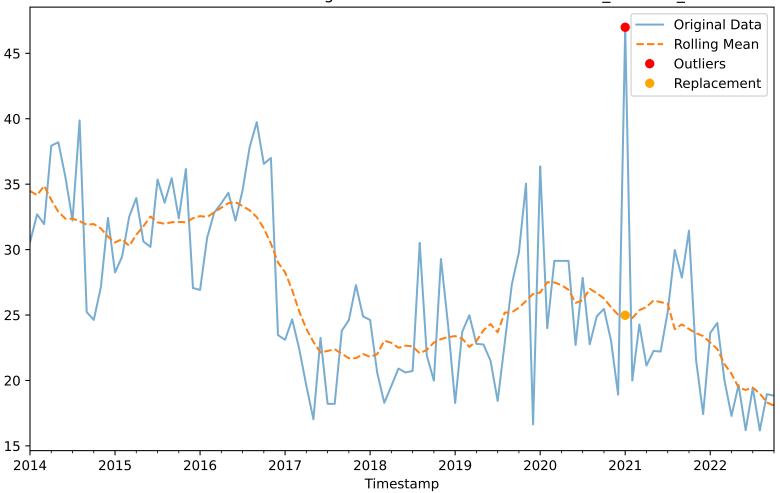




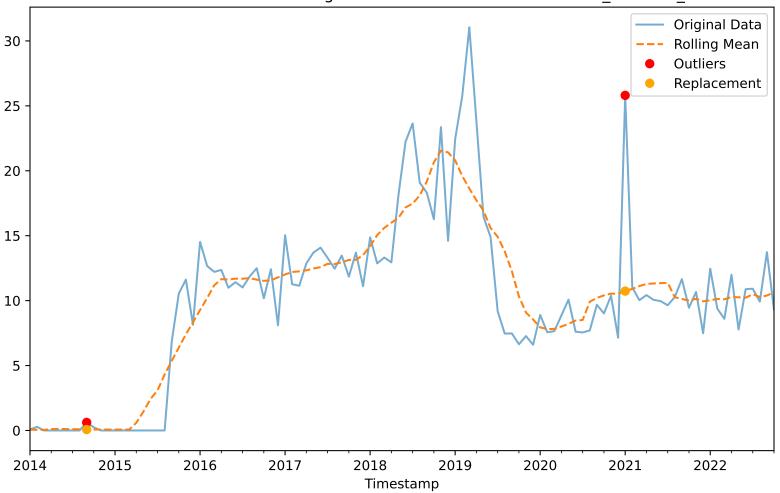
Outlier Detection with Rolling Z-Score for Time Series: Provider\_21-Plant\_1



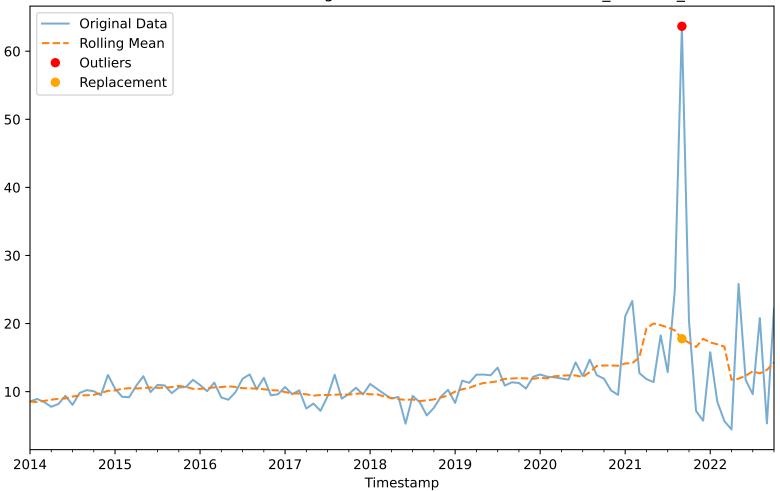
Outlier Detection with Rolling Z-Score for Time Series: Provider\_21-Plant\_10



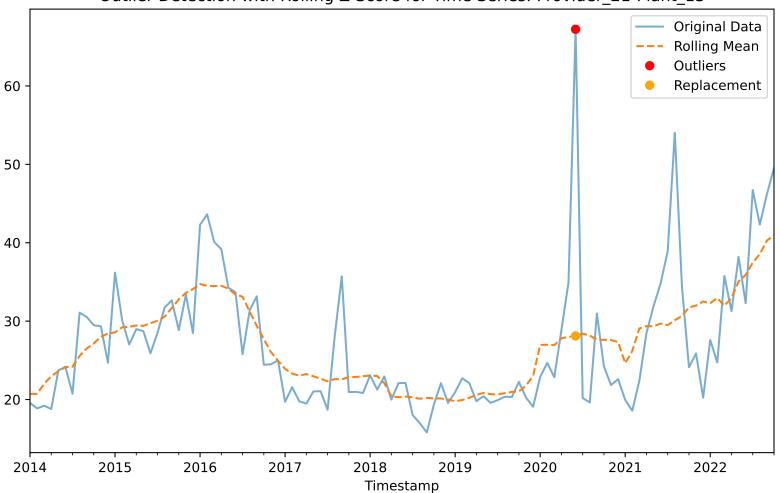
Outlier Detection with Rolling Z-Score for Time Series: Provider\_21-Plant\_11



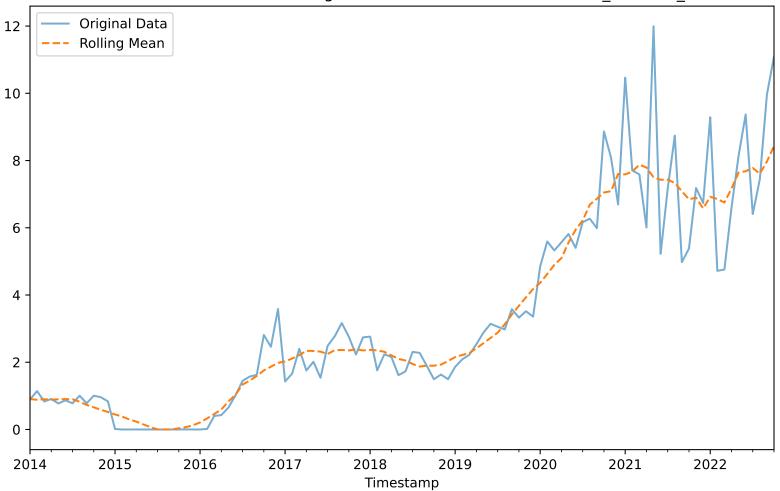
Outlier Detection with Rolling Z-Score for Time Series: Provider\_21-Plant\_12



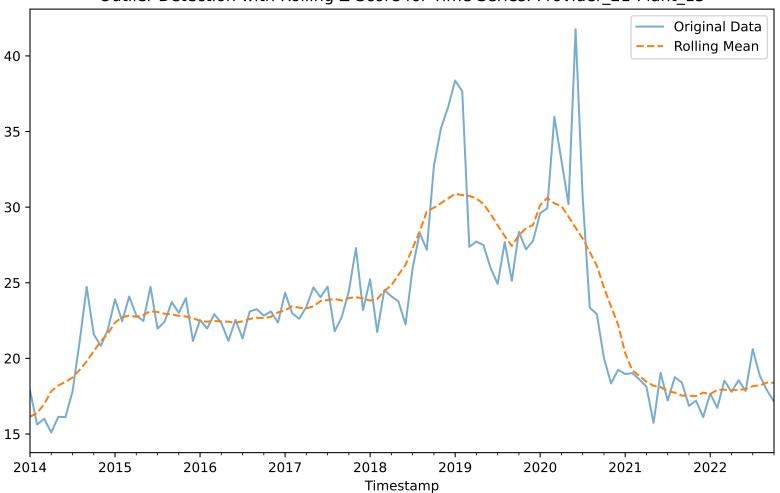
Outlier Detection with Rolling Z-Score for Time Series: Provider\_21-Plant\_13



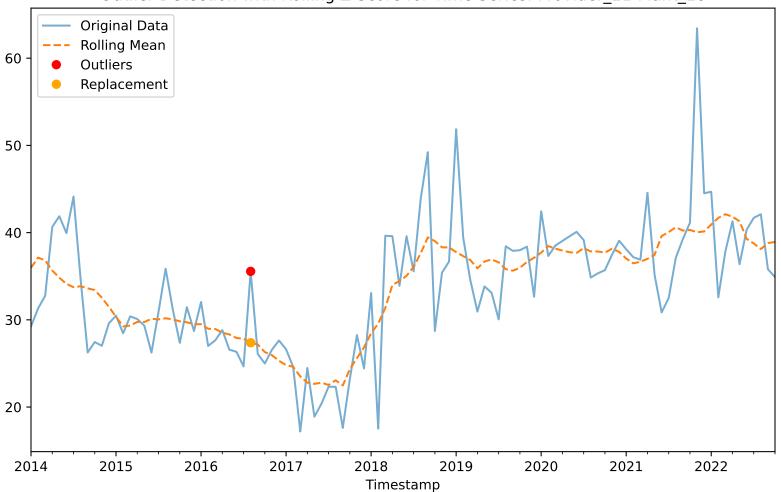
Outlier Detection with Rolling Z-Score for Time Series: Provider\_21-Plant\_14



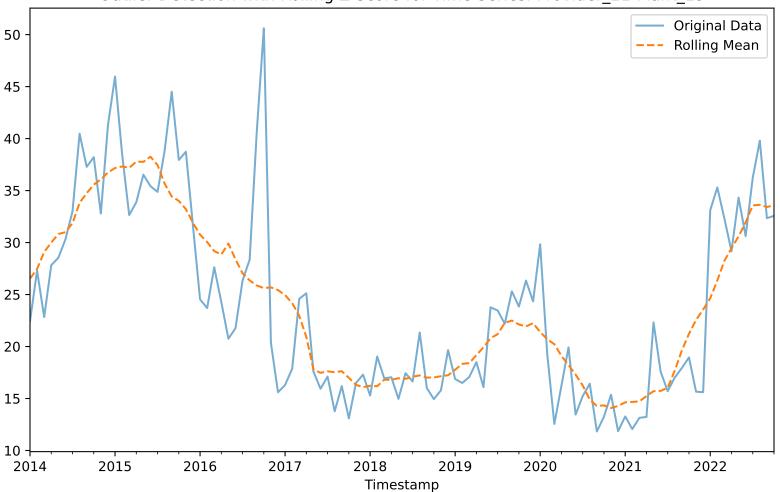
Outlier Detection with Rolling Z-Score for Time Series: Provider\_21-Plant\_15



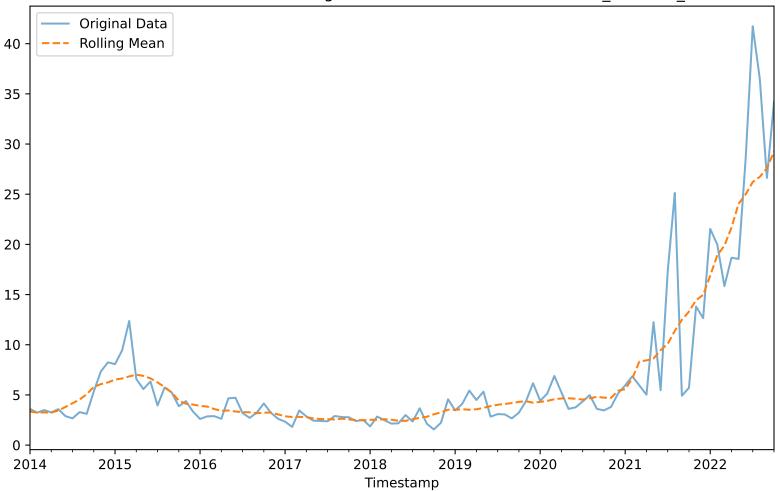
Outlier Detection with Rolling Z-Score for Time Series: Provider\_21-Plant\_18



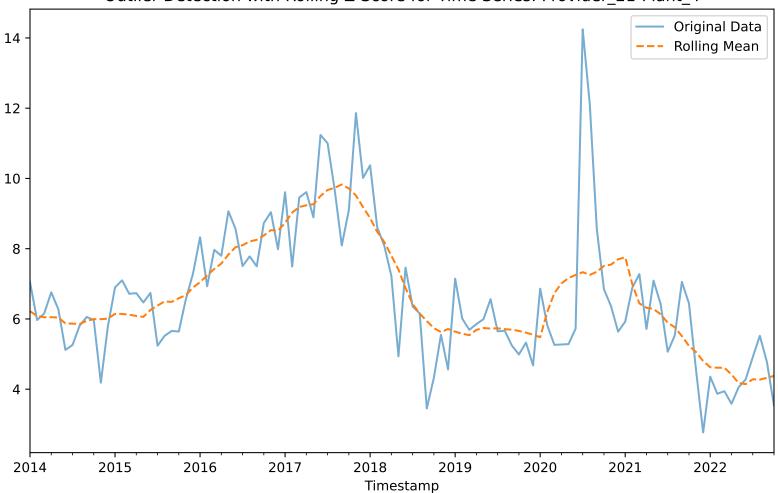
Outlier Detection with Rolling Z-Score for Time Series: Provider\_21-Plant\_19



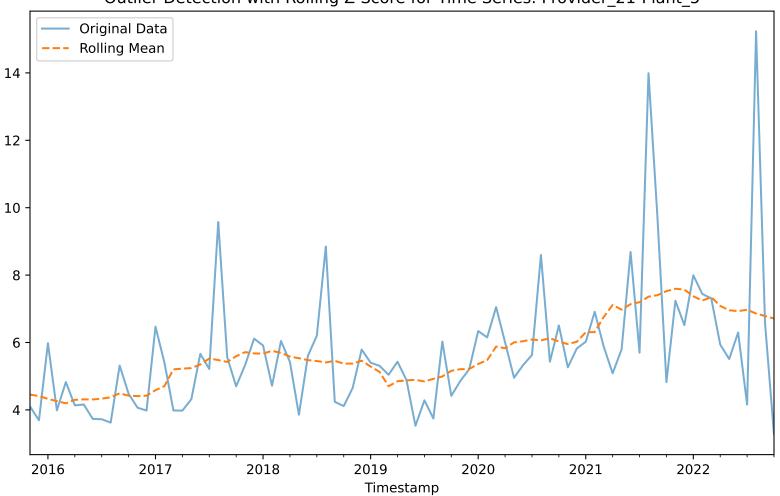
Outlier Detection with Rolling Z-Score for Time Series: Provider\_21-Plant\_20



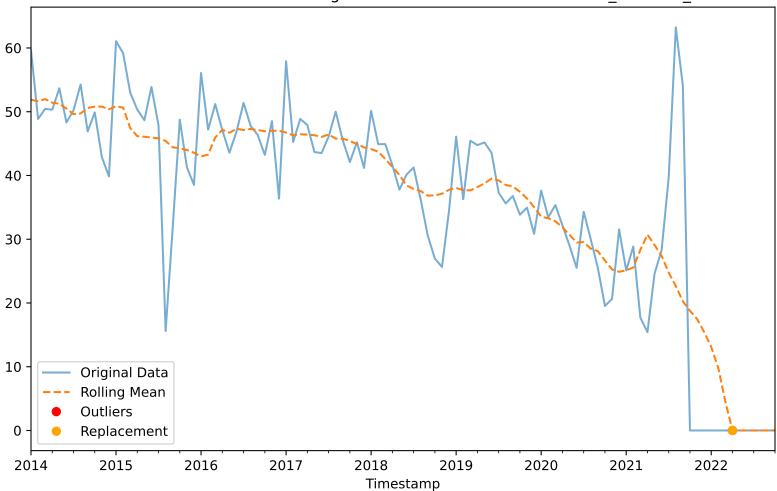
Outlier Detection with Rolling Z-Score for Time Series: Provider\_21-Plant\_4



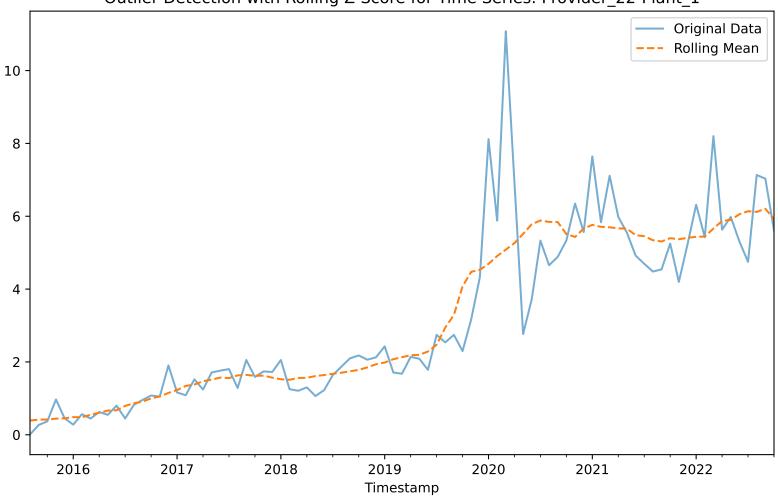
Outlier Detection with Rolling Z-Score for Time Series: Provider\_21-Plant\_5



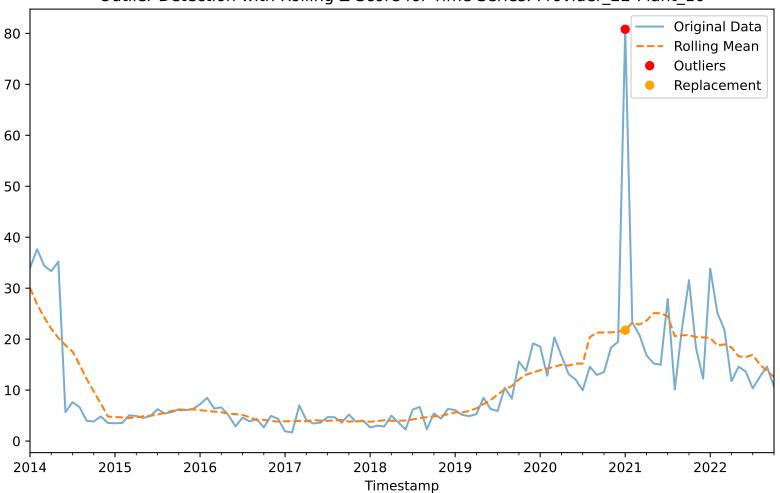
Outlier Detection with Rolling Z-Score for Time Series: Provider\_21-Plant\_6



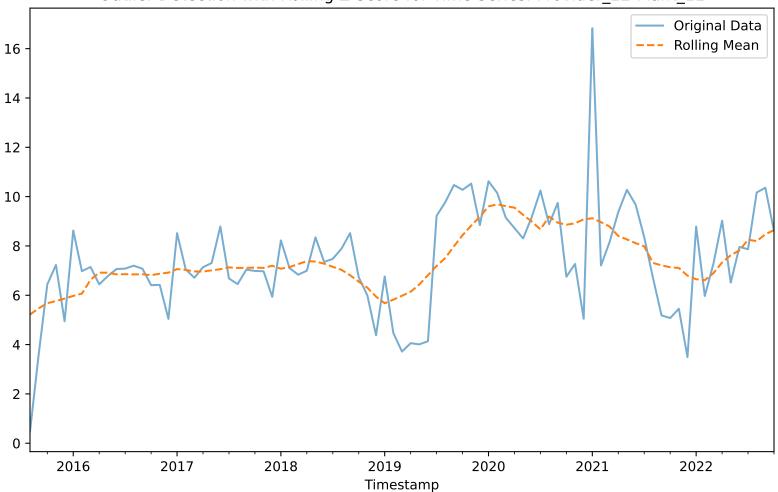
Outlier Detection with Rolling Z-Score for Time Series: Provider\_22-Plant\_1



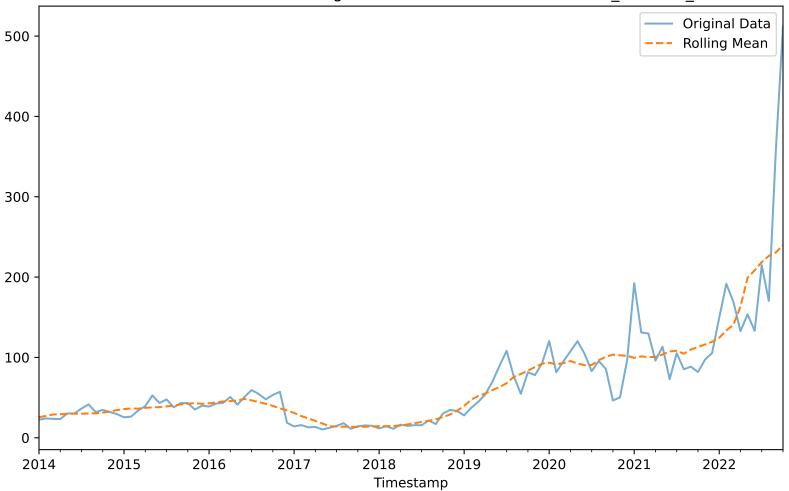
Outlier Detection with Rolling Z-Score for Time Series: Provider\_22-Plant\_10



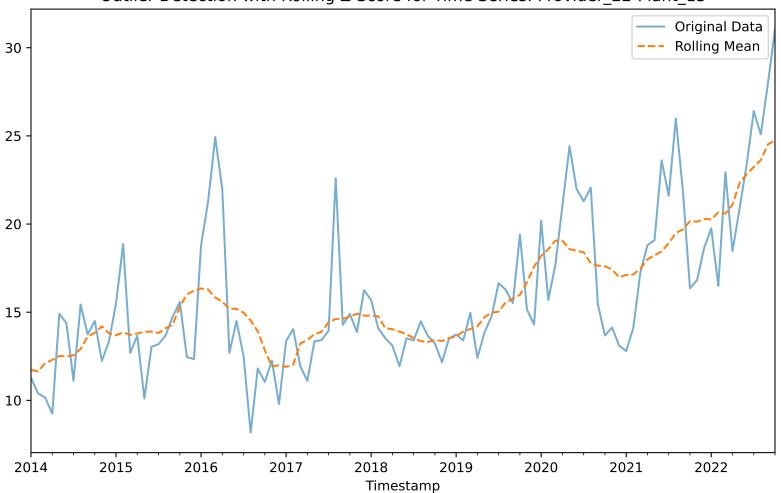
Outlier Detection with Rolling Z-Score for Time Series: Provider\_22-Plant\_11



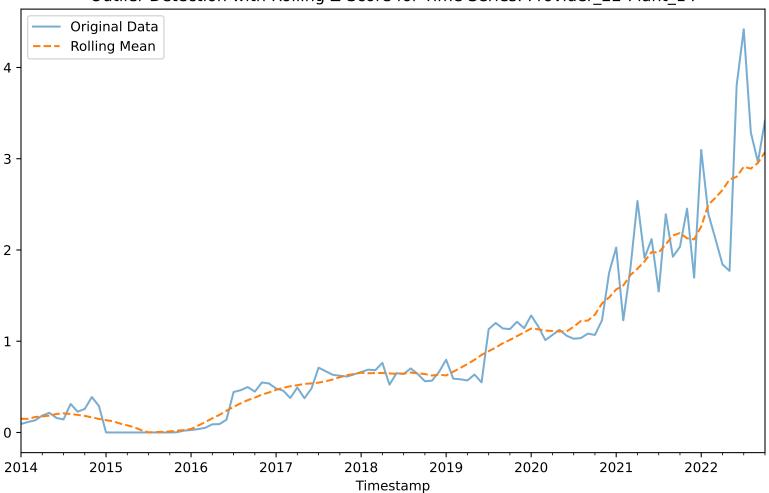
Outlier Detection with Rolling Z-Score for Time Series: Provider\_22-Plant\_12

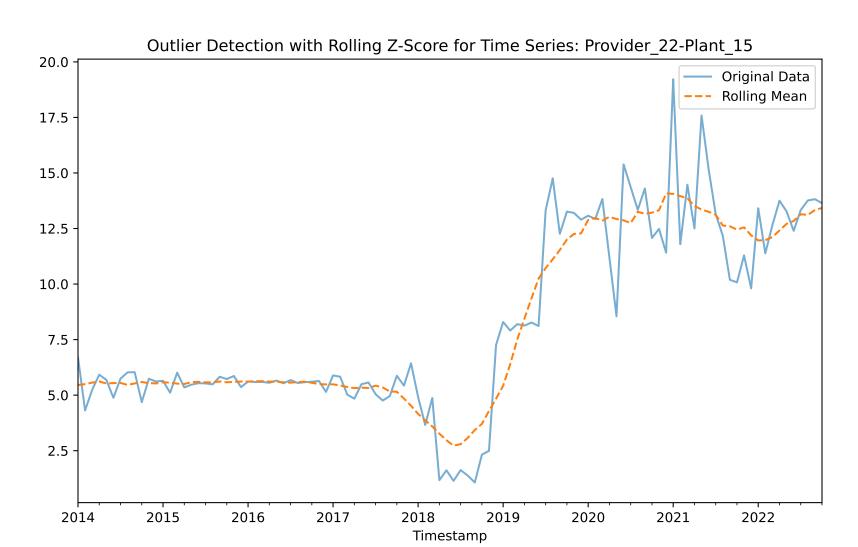


Outlier Detection with Rolling Z-Score for Time Series: Provider\_22-Plant\_13

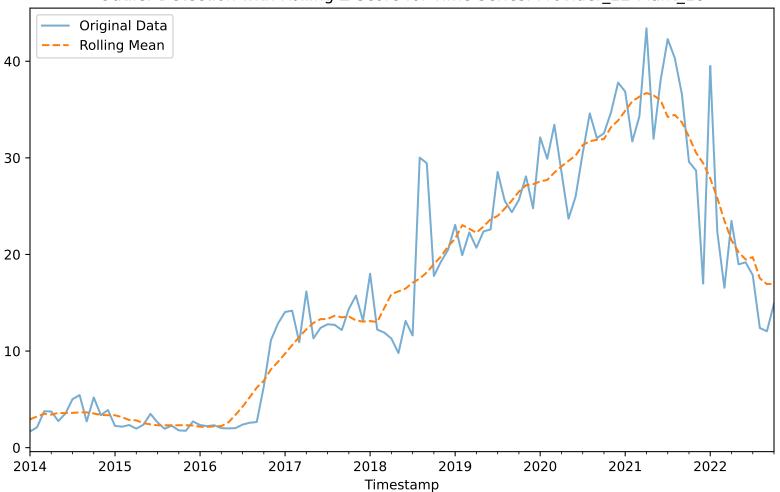


Outlier Detection with Rolling Z-Score for Time Series: Provider\_22-Plant\_14

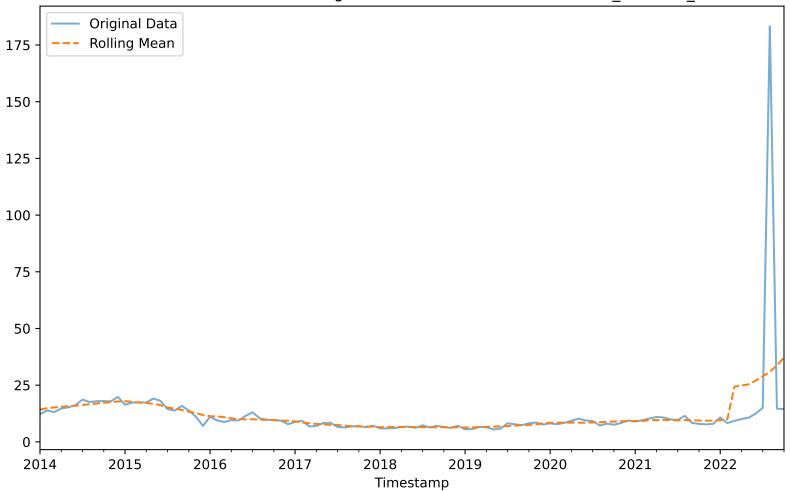


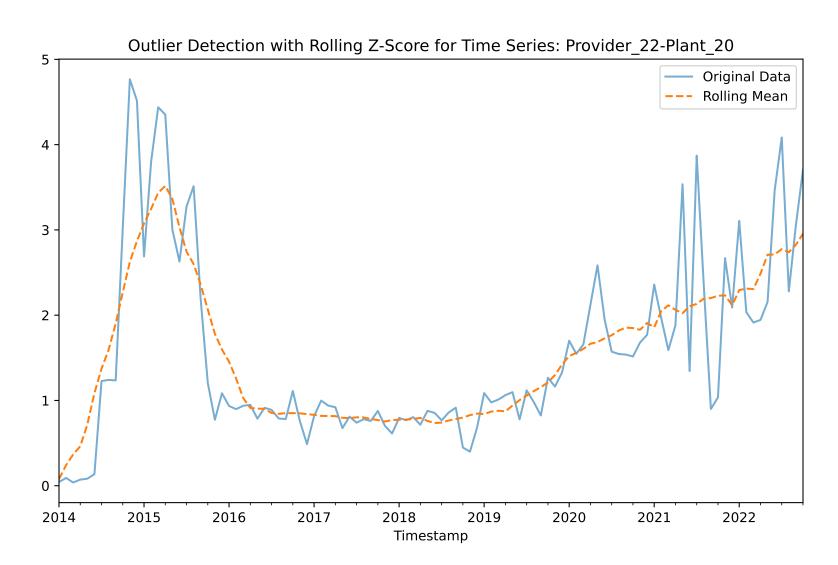


Outlier Detection with Rolling Z-Score for Time Series: Provider\_22-Plant\_18

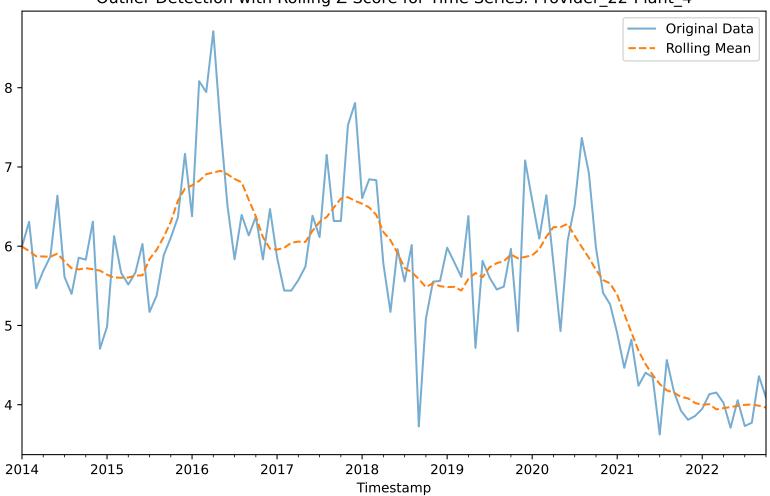


Outlier Detection with Rolling Z-Score for Time Series: Provider\_22-Plant\_19

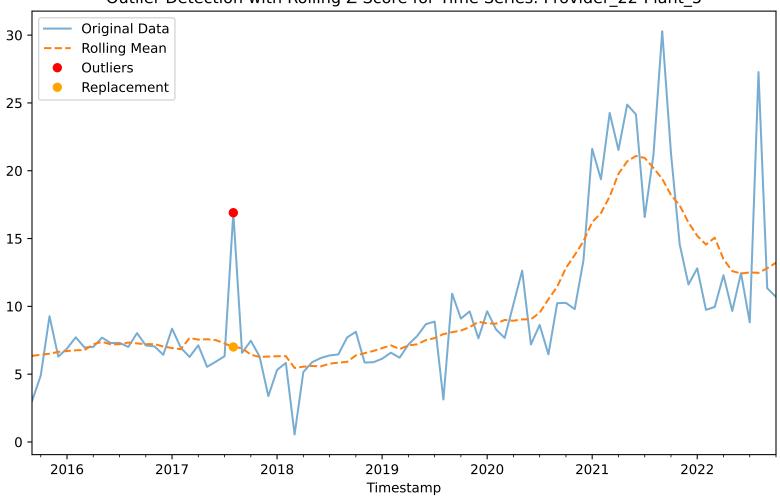




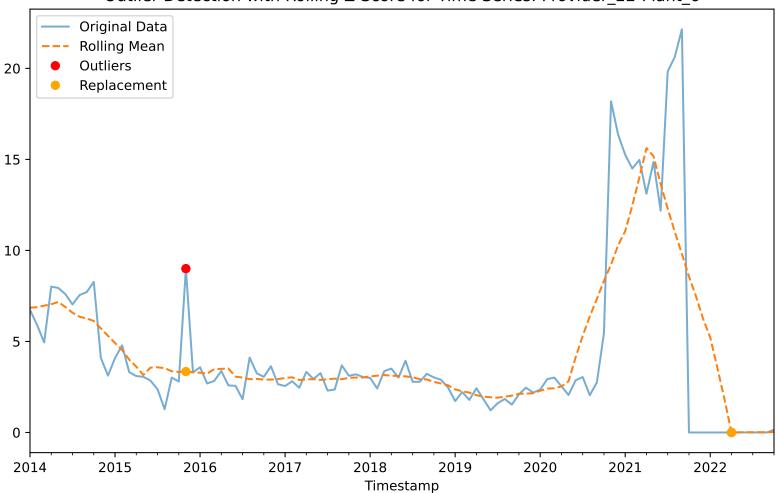
Outlier Detection with Rolling Z-Score for Time Series: Provider\_22-Plant\_4



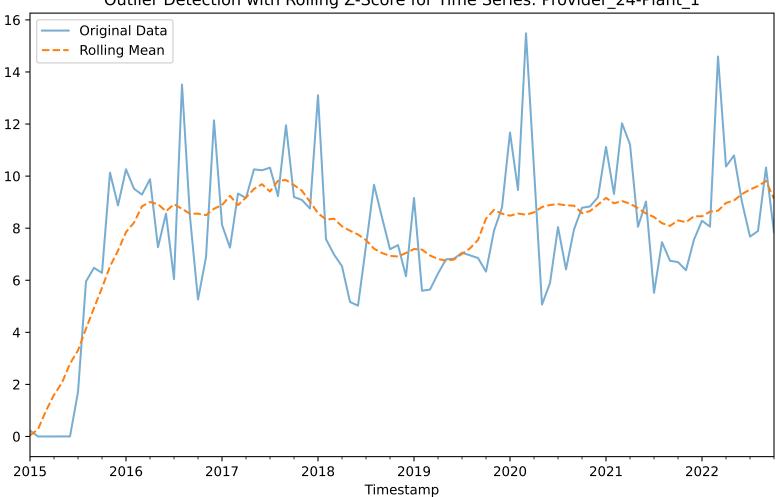
Outlier Detection with Rolling Z-Score for Time Series: Provider\_22-Plant\_5



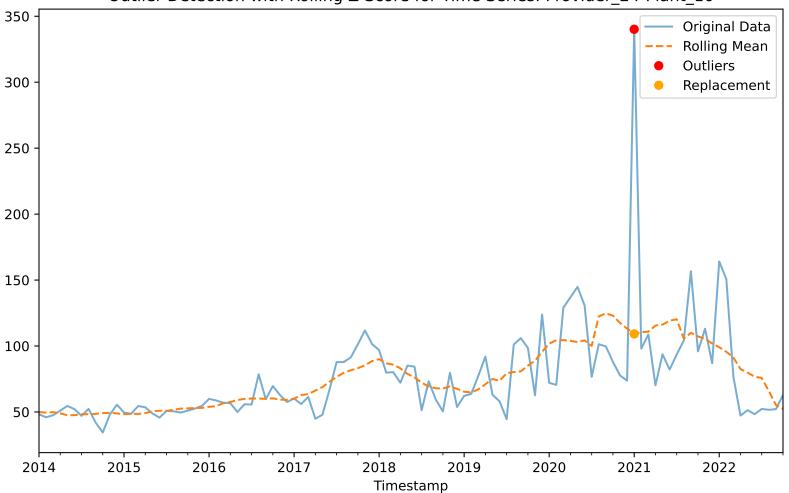
Outlier Detection with Rolling Z-Score for Time Series: Provider\_22-Plant\_6



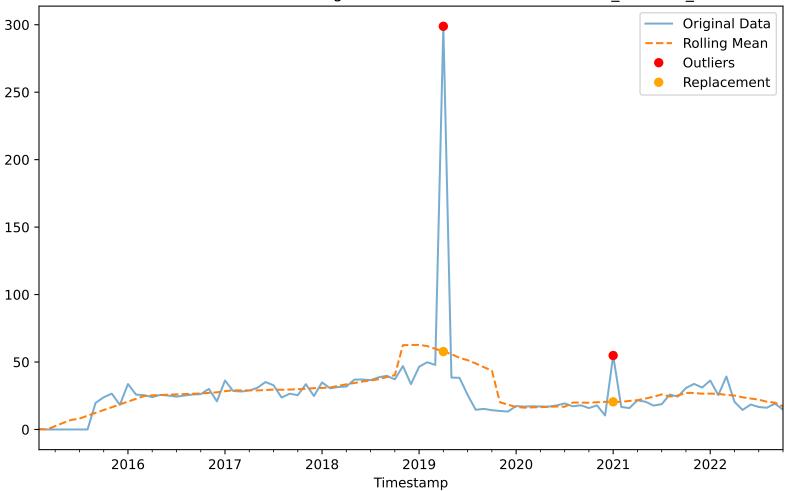
Outlier Detection with Rolling Z-Score for Time Series: Provider\_24-Plant\_1



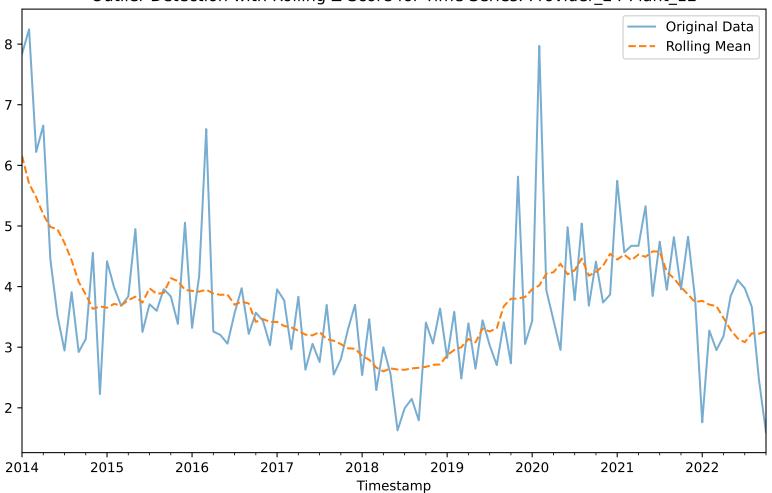
Outlier Detection with Rolling Z-Score for Time Series: Provider\_24-Plant\_10



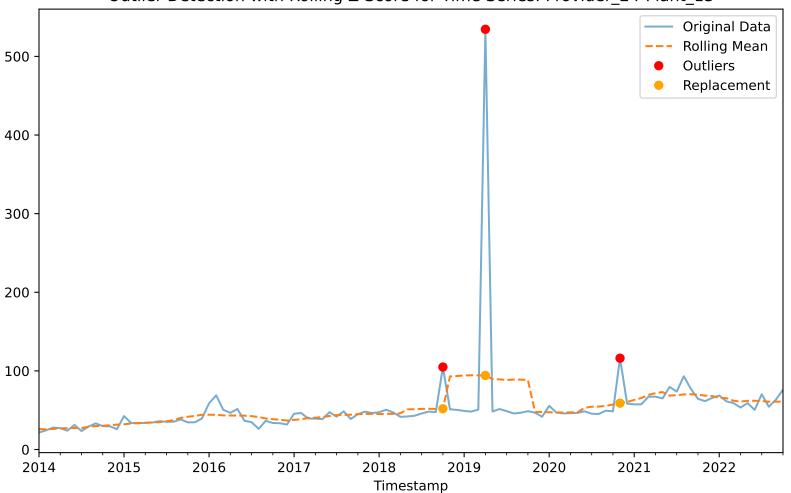
Outlier Detection with Rolling Z-Score for Time Series: Provider\_24-Plant\_11



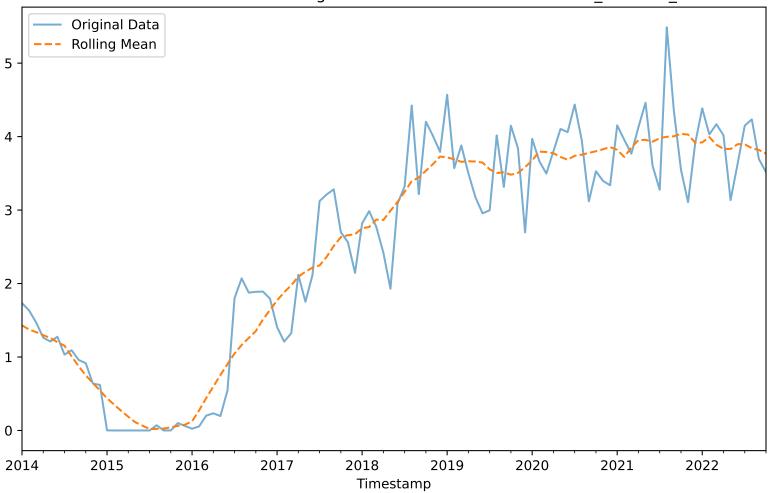
Outlier Detection with Rolling Z-Score for Time Series: Provider\_24-Plant\_12



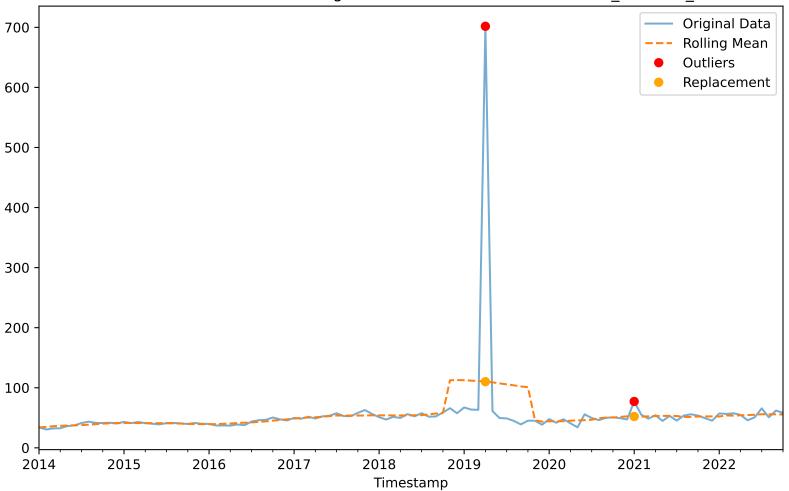
Outlier Detection with Rolling Z-Score for Time Series: Provider\_24-Plant\_13



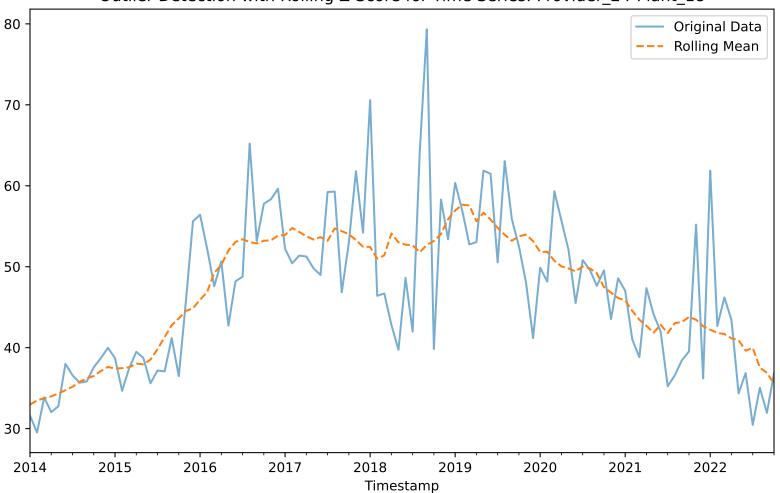
Outlier Detection with Rolling Z-Score for Time Series: Provider\_24-Plant\_14



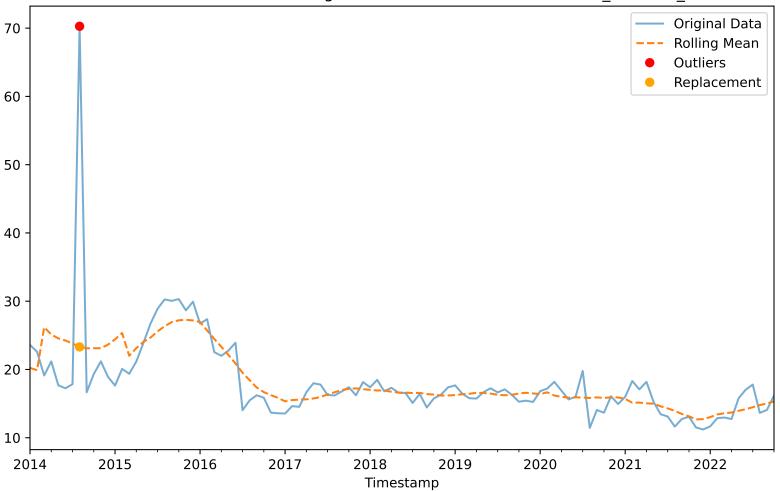
Outlier Detection with Rolling Z-Score for Time Series: Provider\_24-Plant\_15

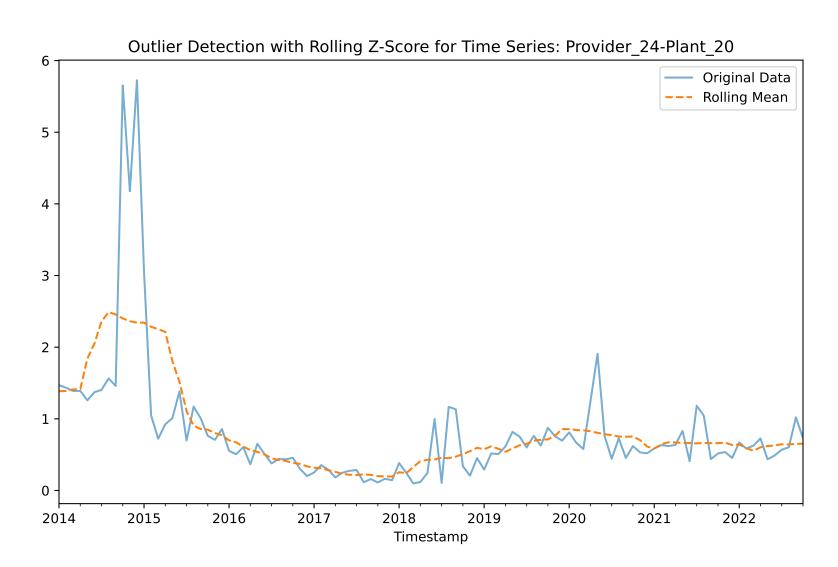


Outlier Detection with Rolling Z-Score for Time Series: Provider\_24-Plant\_18

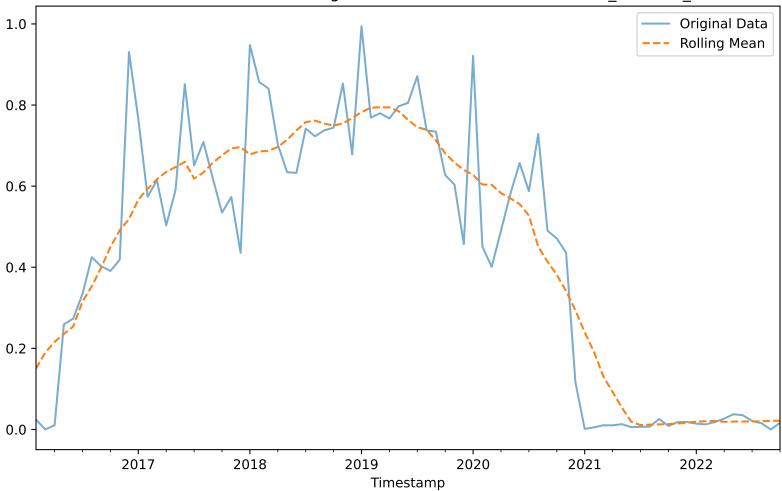


Outlier Detection with Rolling Z-Score for Time Series: Provider\_24-Plant\_19

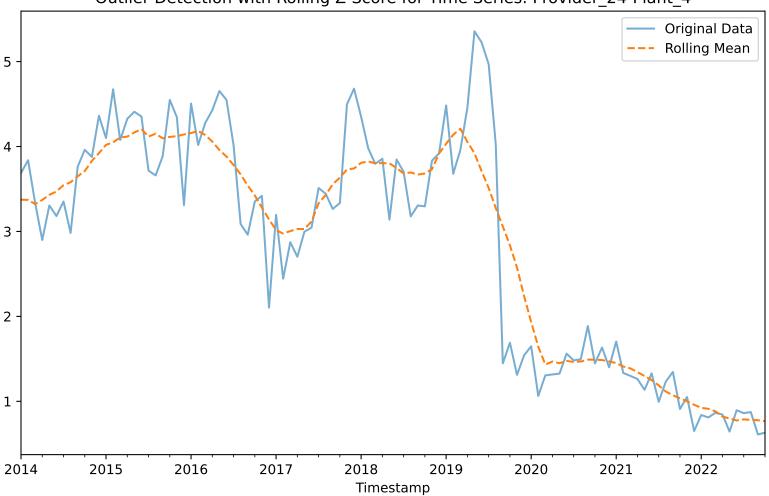




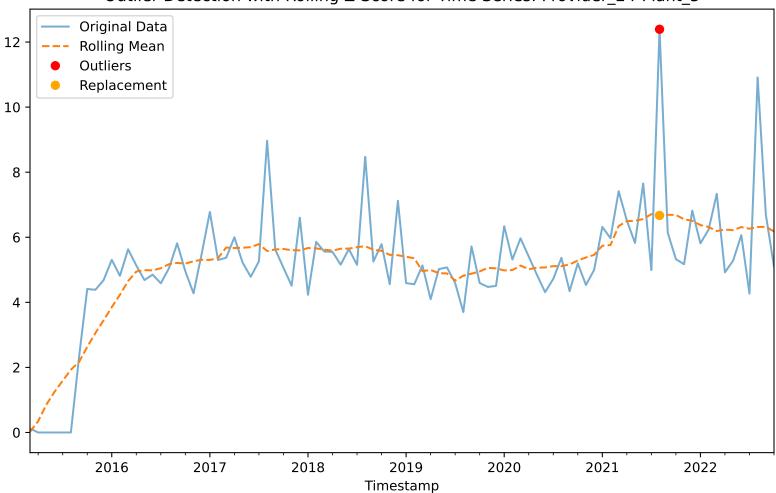
Outlier Detection with Rolling Z-Score for Time Series: Provider\_24-Plant\_22



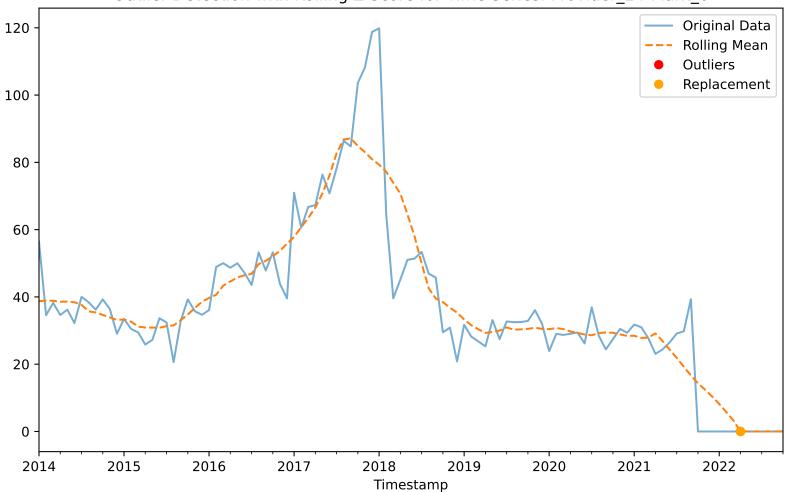
Outlier Detection with Rolling Z-Score for Time Series: Provider\_24-Plant\_4

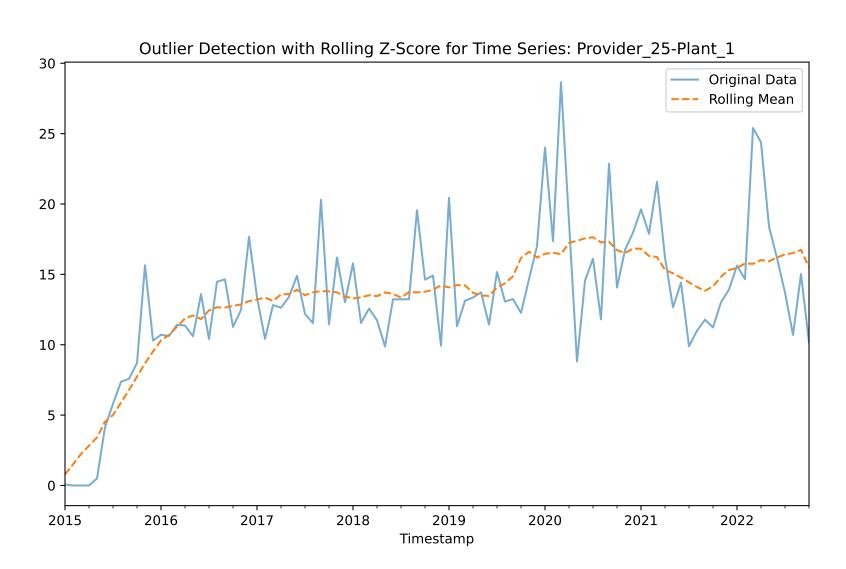


Outlier Detection with Rolling Z-Score for Time Series: Provider\_24-Plant\_5

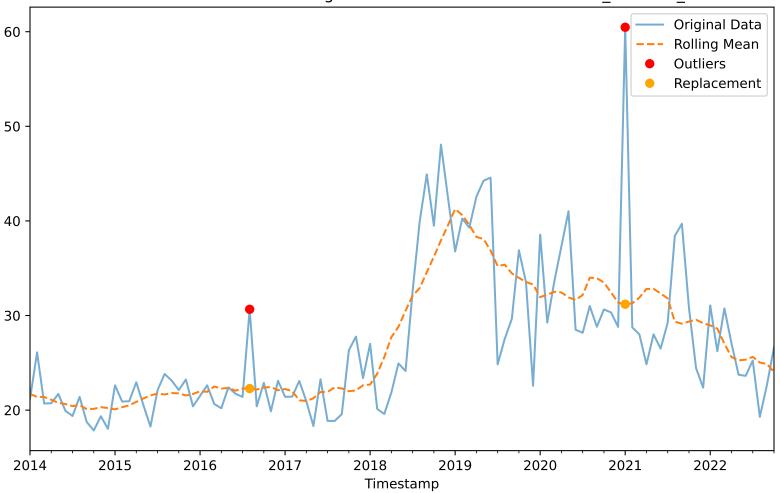


Outlier Detection with Rolling Z-Score for Time Series: Provider\_24-Plant\_6

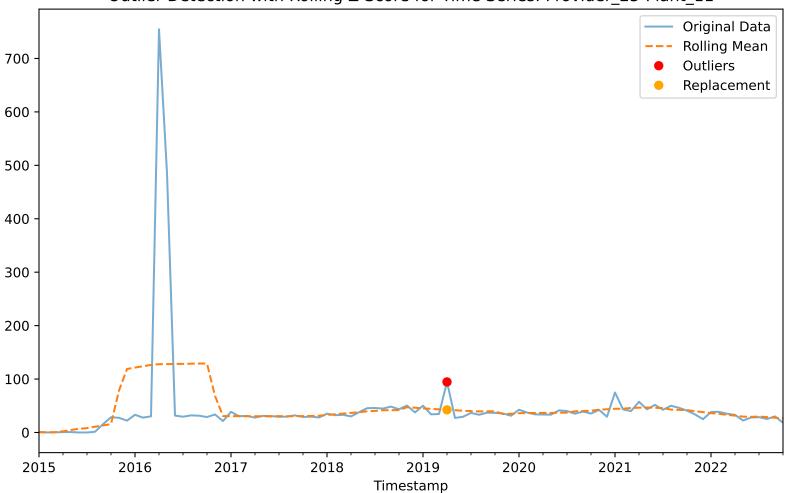




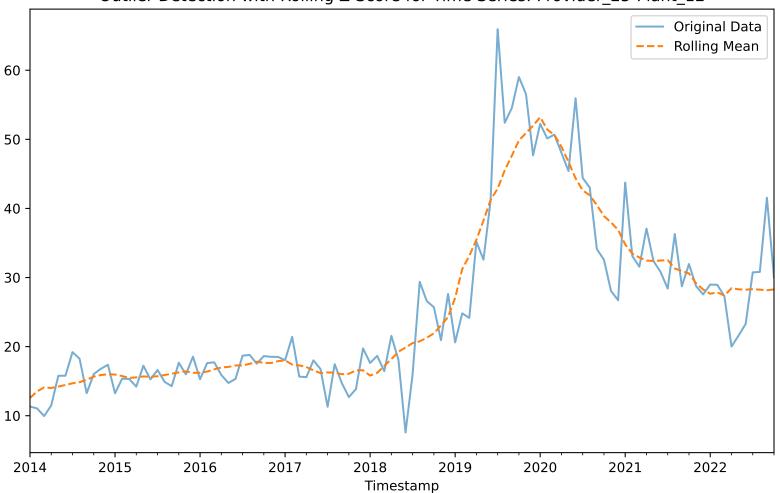
Outlier Detection with Rolling Z-Score for Time Series: Provider\_25-Plant\_10



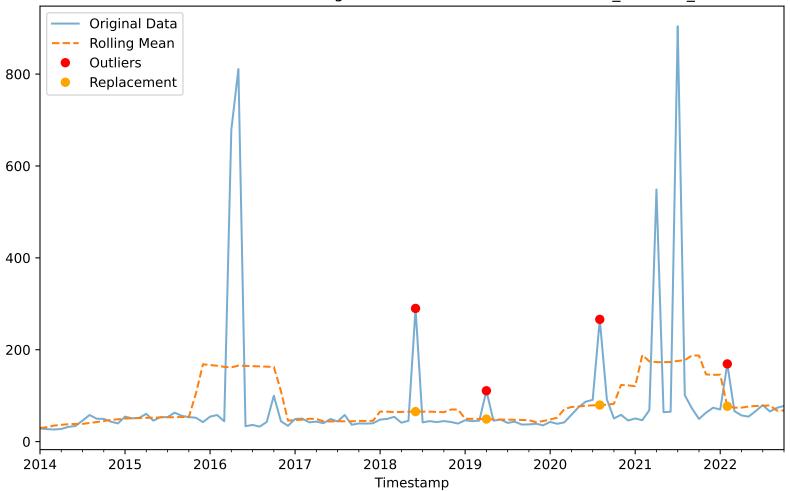
Outlier Detection with Rolling Z-Score for Time Series: Provider\_25-Plant\_11



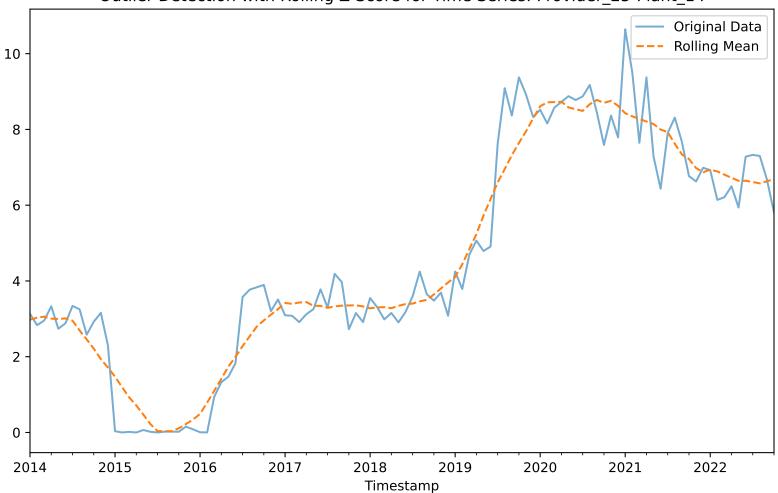
Outlier Detection with Rolling Z-Score for Time Series: Provider\_25-Plant\_12



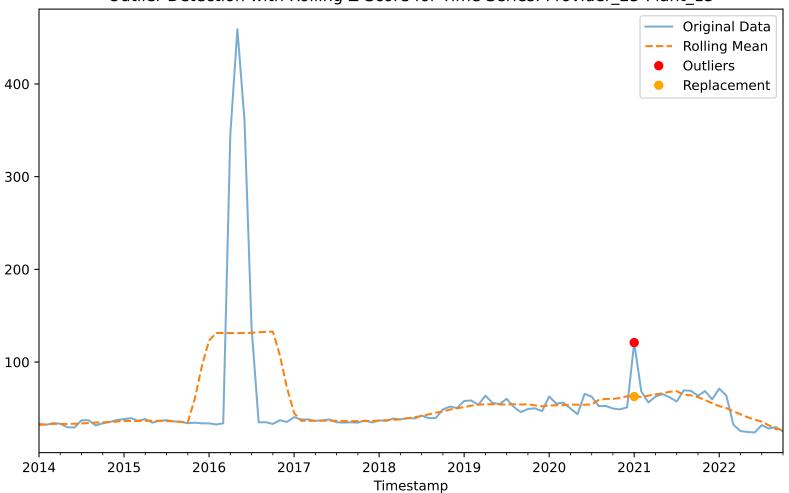
Outlier Detection with Rolling Z-Score for Time Series: Provider\_25-Plant\_13



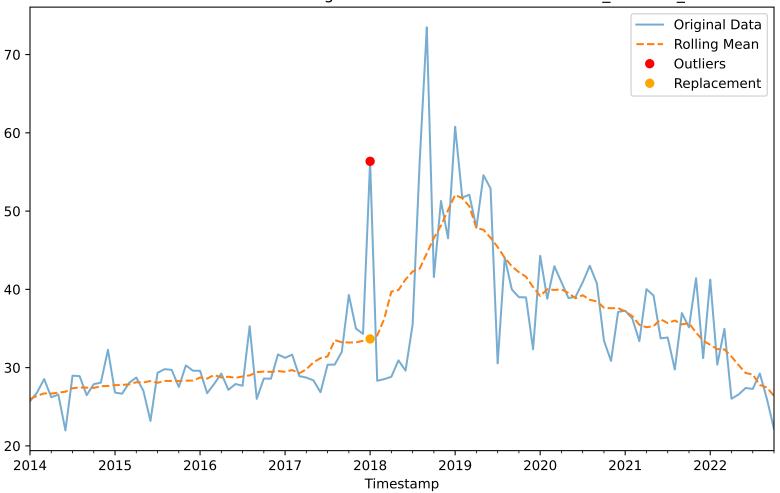
Outlier Detection with Rolling Z-Score for Time Series: Provider\_25-Plant\_14



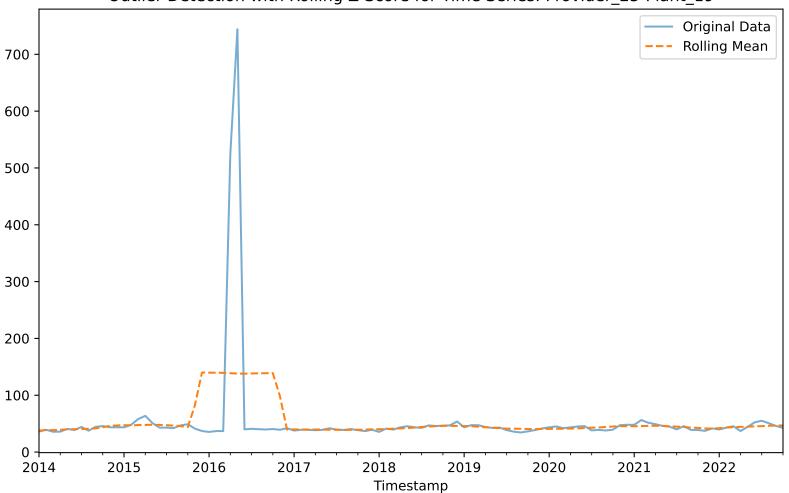
Outlier Detection with Rolling Z-Score for Time Series: Provider\_25-Plant\_15



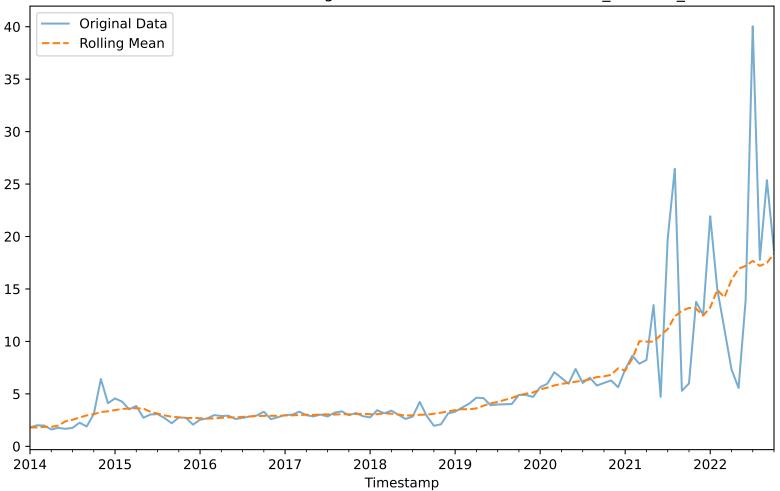
Outlier Detection with Rolling Z-Score for Time Series: Provider\_25-Plant\_18



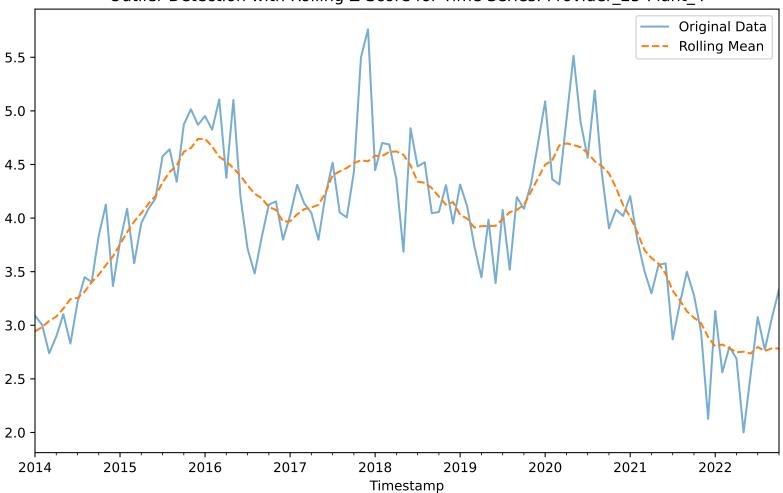
Outlier Detection with Rolling Z-Score for Time Series: Provider\_25-Plant\_19



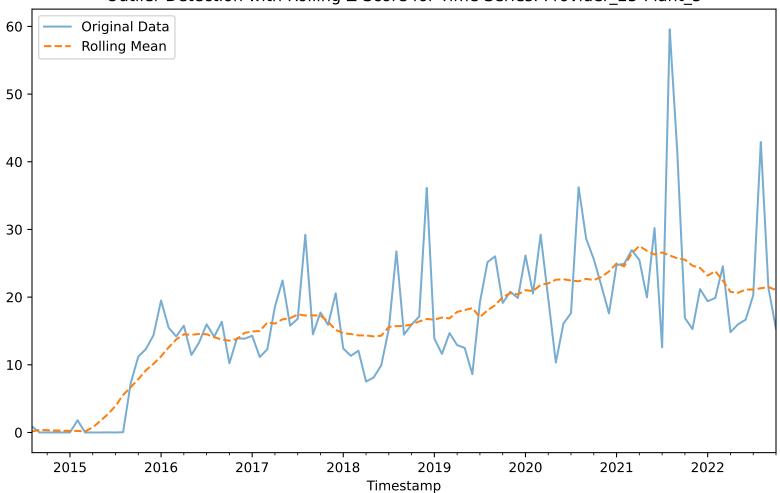
Outlier Detection with Rolling Z-Score for Time Series: Provider\_25-Plant\_20



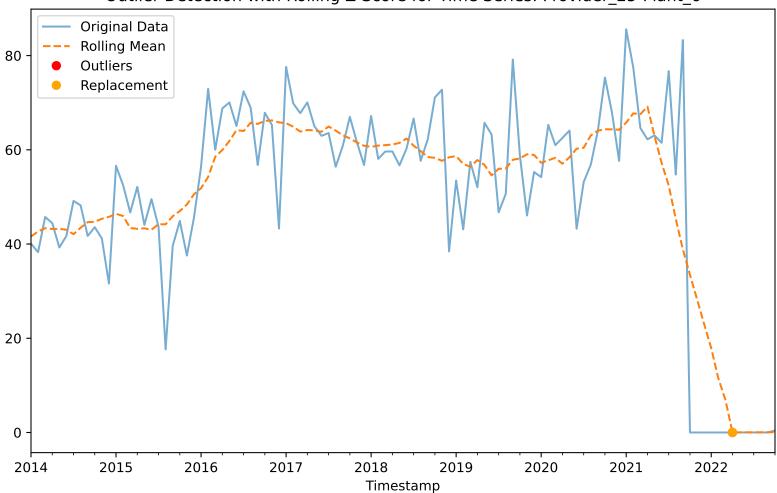
Outlier Detection with Rolling Z-Score for Time Series: Provider\_25-Plant\_4



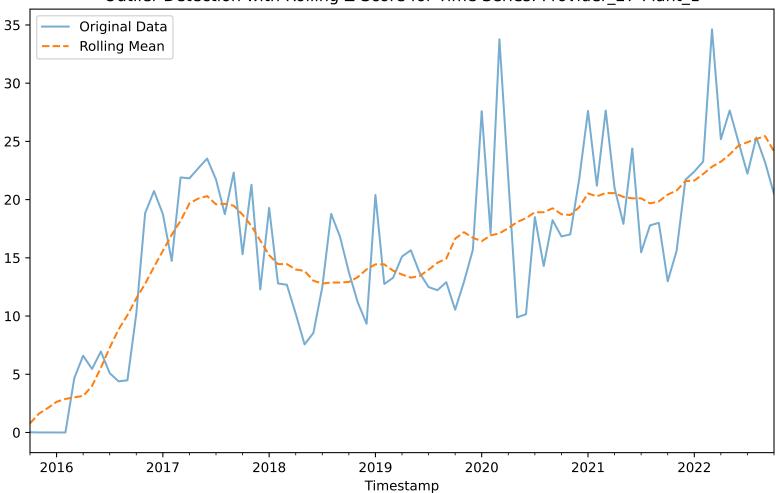
Outlier Detection with Rolling Z-Score for Time Series: Provider\_25-Plant\_5



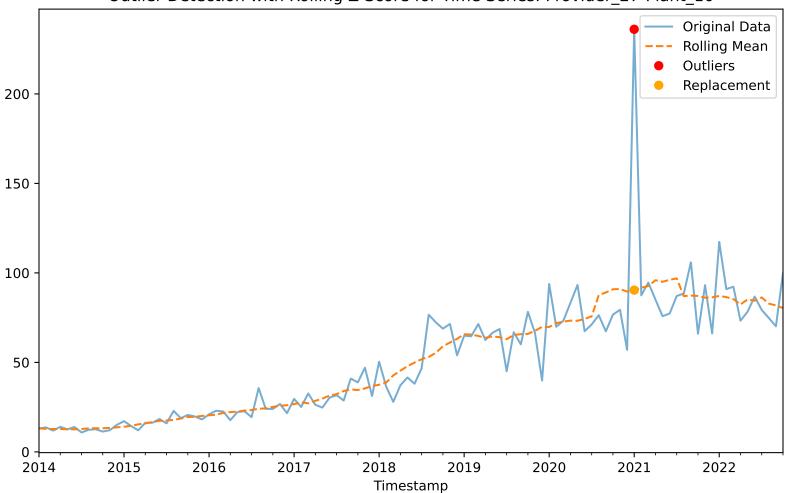
Outlier Detection with Rolling Z-Score for Time Series: Provider\_25-Plant\_6



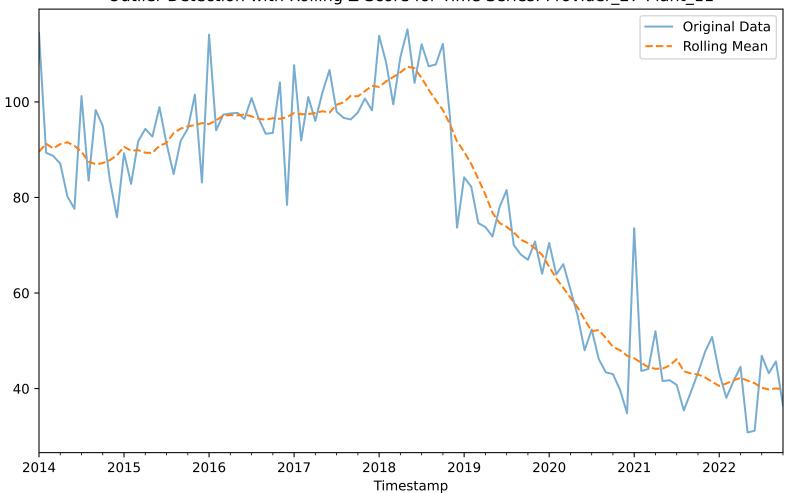
Outlier Detection with Rolling Z-Score for Time Series: Provider\_27-Plant\_1



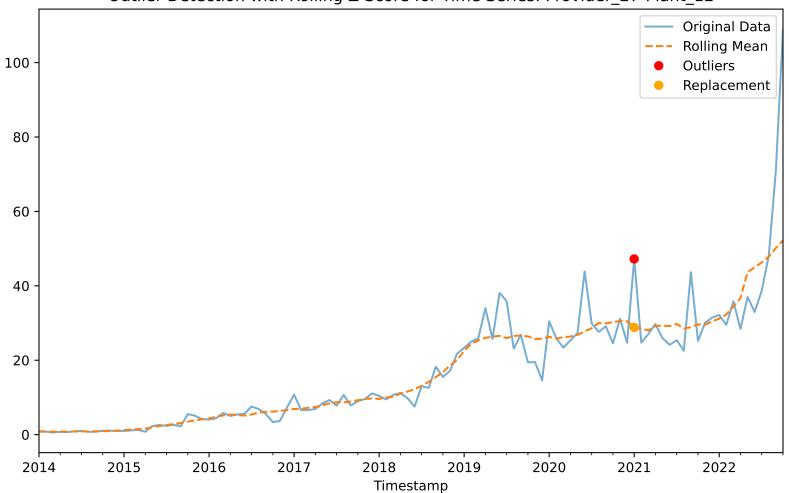
Outlier Detection with Rolling Z-Score for Time Series: Provider\_27-Plant\_10



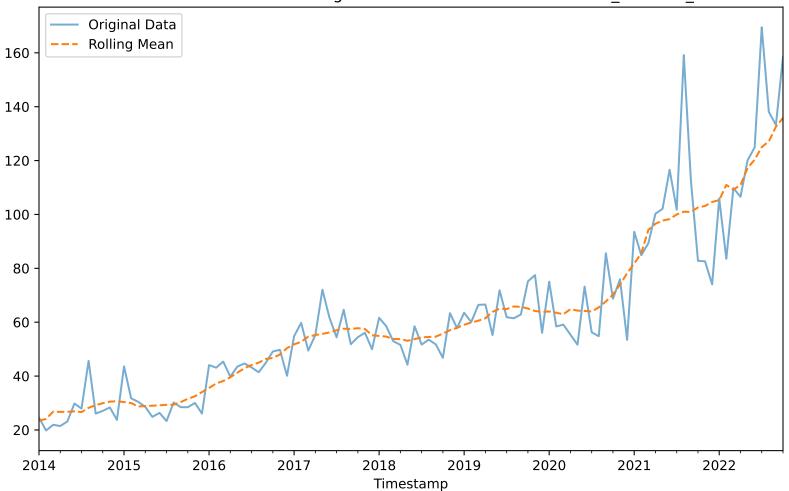
Outlier Detection with Rolling Z-Score for Time Series: Provider\_27-Plant\_11



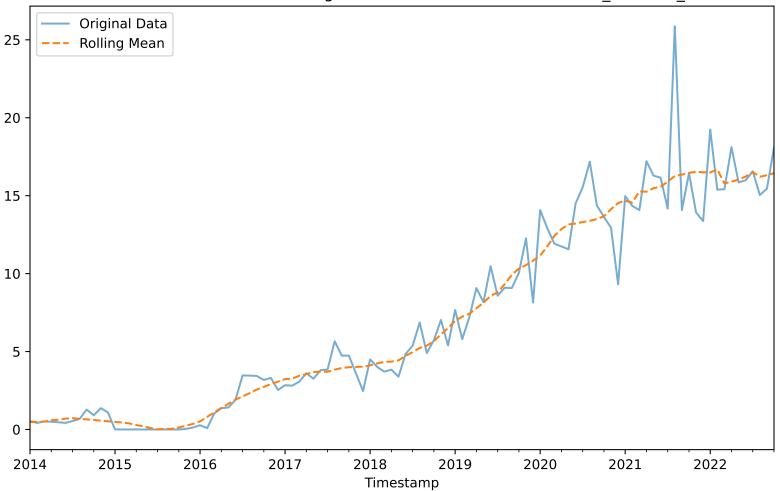
Outlier Detection with Rolling Z-Score for Time Series: Provider\_27-Plant\_12



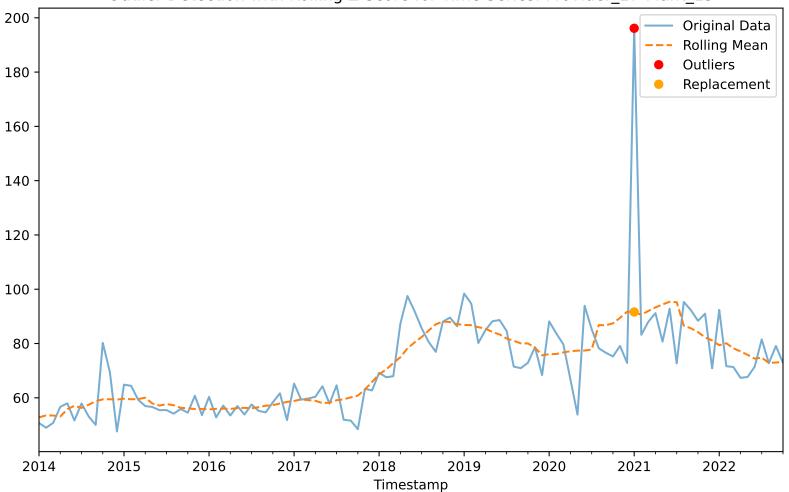
Outlier Detection with Rolling Z-Score for Time Series: Provider\_27-Plant\_13



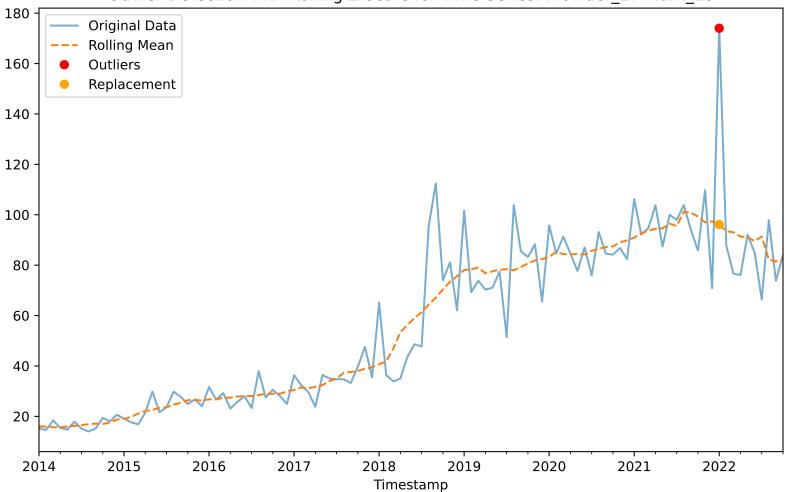
Outlier Detection with Rolling Z-Score for Time Series: Provider\_27-Plant\_14



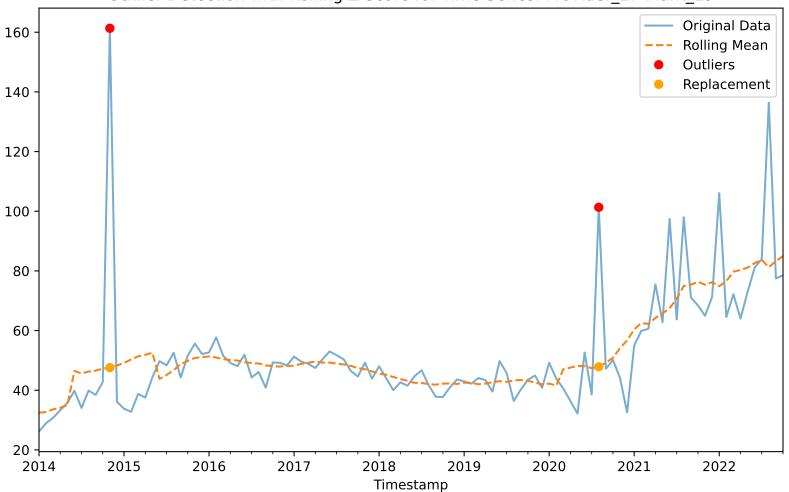
Outlier Detection with Rolling Z-Score for Time Series: Provider\_27-Plant\_15



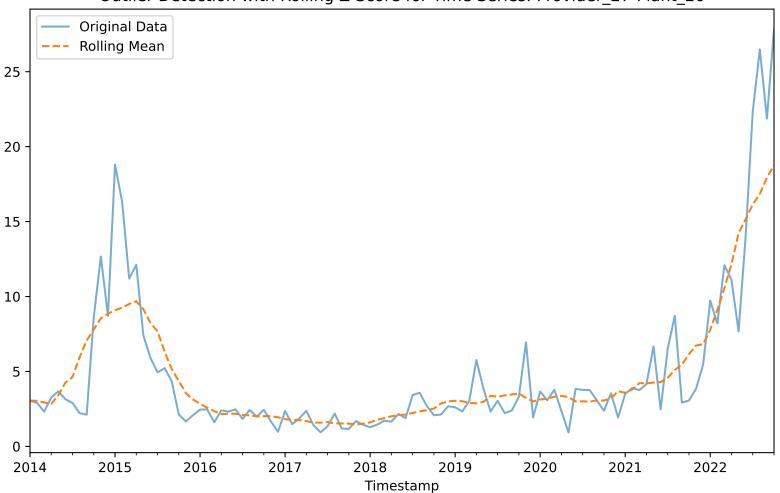
Outlier Detection with Rolling Z-Score for Time Series: Provider\_27-Plant\_18

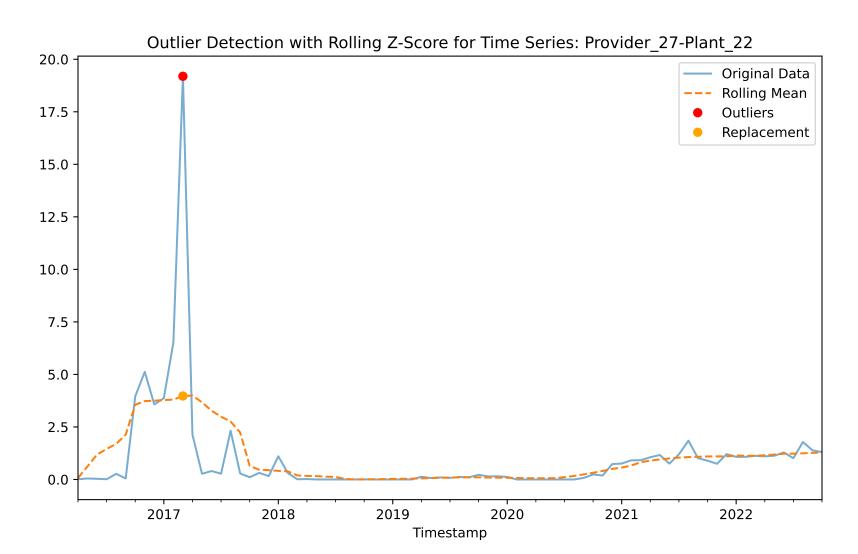


Outlier Detection with Rolling Z-Score for Time Series: Provider\_27-Plant\_19

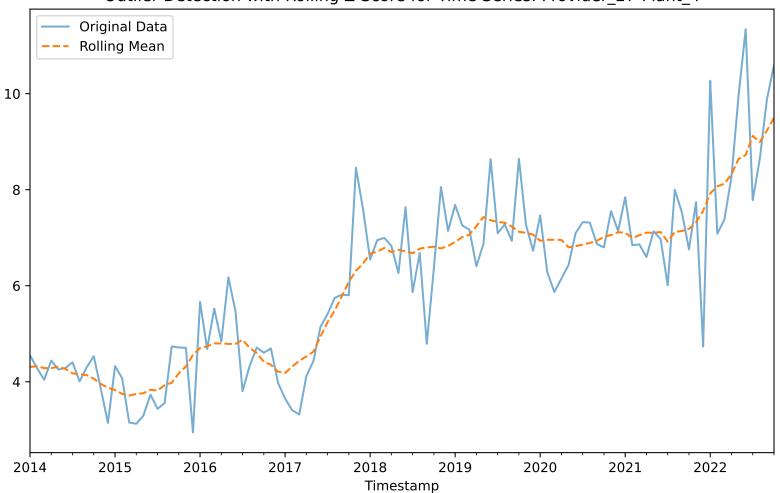


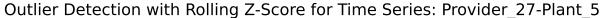
Outlier Detection with Rolling Z-Score for Time Series: Provider\_27-Plant\_20

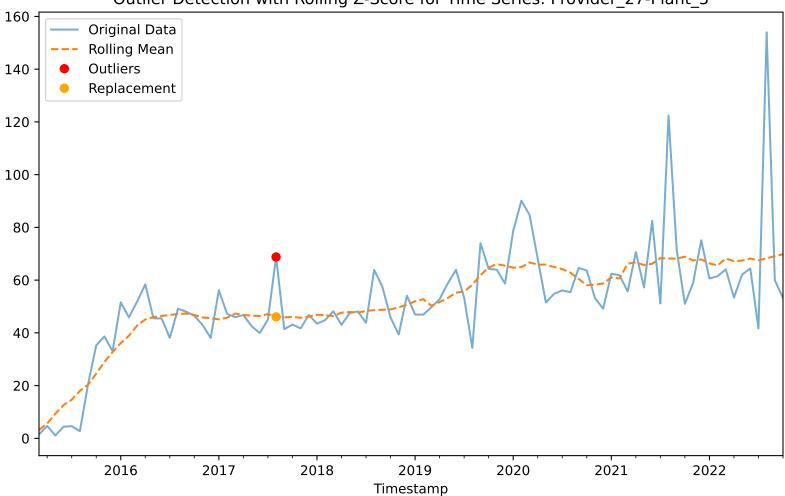




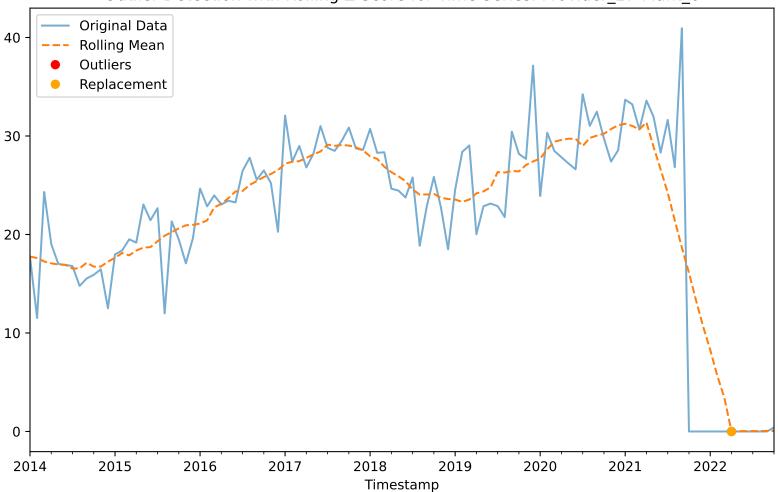
Outlier Detection with Rolling Z-Score for Time Series: Provider\_27-Plant\_4



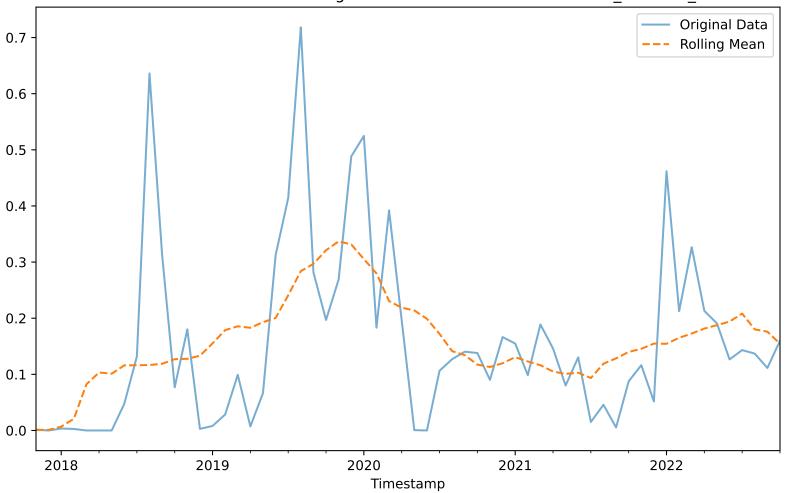




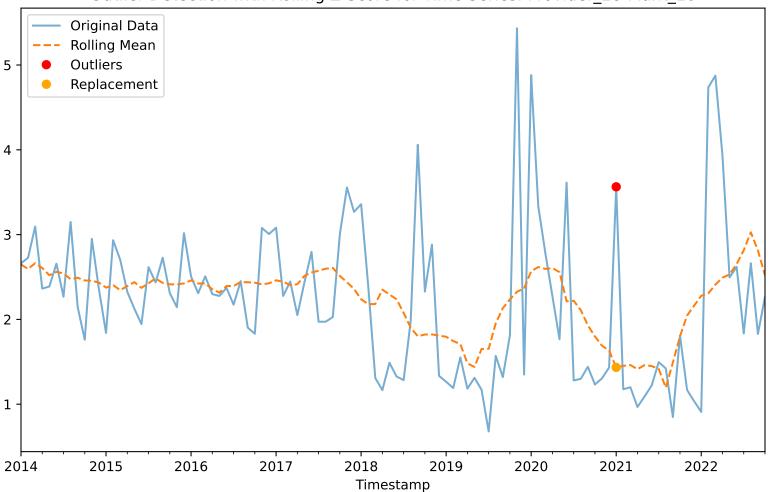
Outlier Detection with Rolling Z-Score for Time Series: Provider\_27-Plant\_6



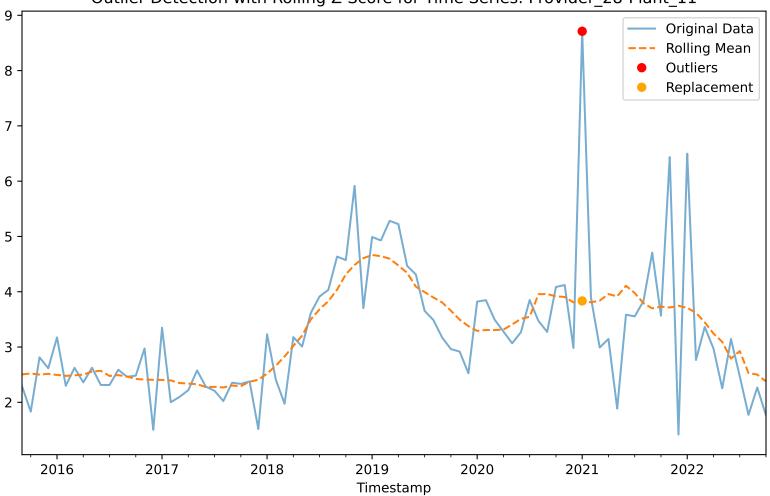
Outlier Detection with Rolling Z-Score for Time Series: Provider\_28-Plant\_1



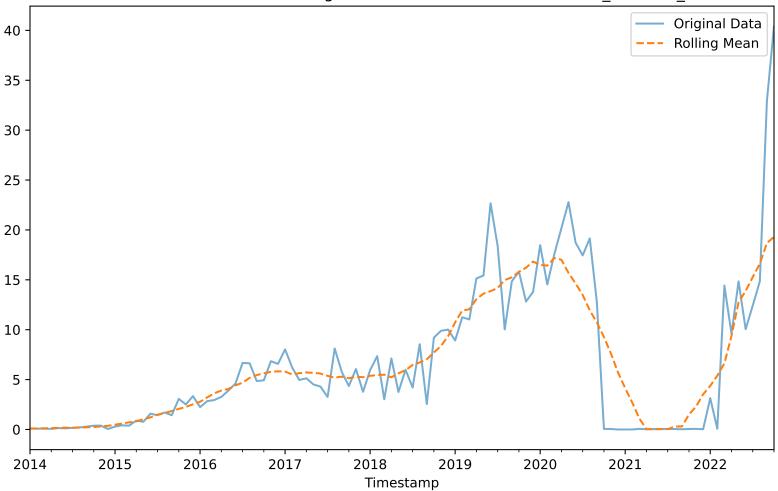
Outlier Detection with Rolling Z-Score for Time Series: Provider\_28-Plant\_10



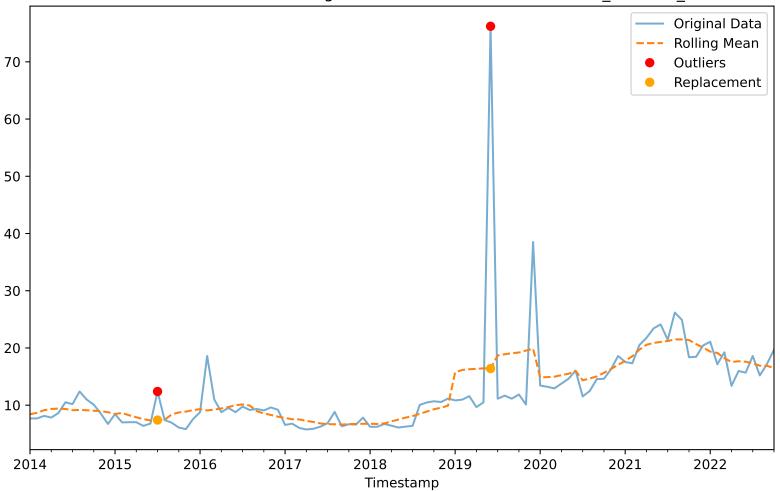
Outlier Detection with Rolling Z-Score for Time Series: Provider\_28-Plant\_11



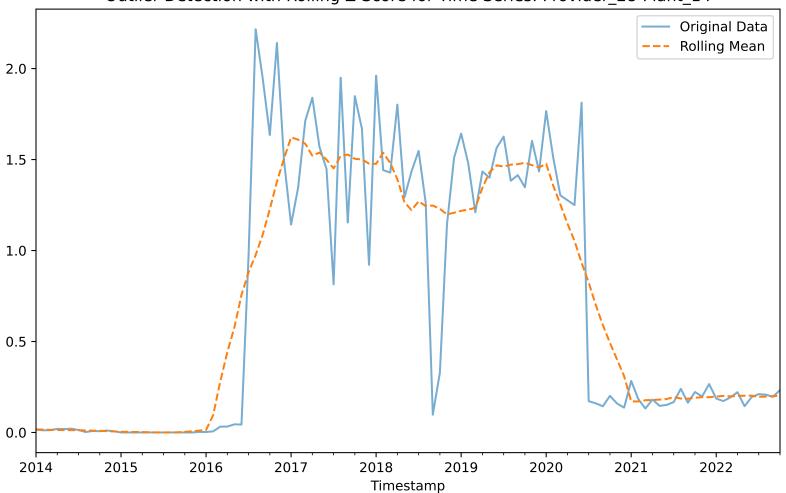
Outlier Detection with Rolling Z-Score for Time Series: Provider\_28-Plant\_12



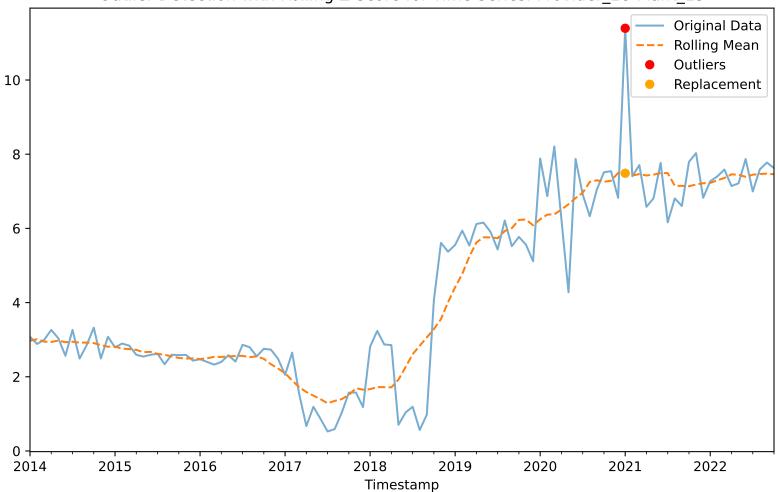
Outlier Detection with Rolling Z-Score for Time Series: Provider\_28-Plant\_13



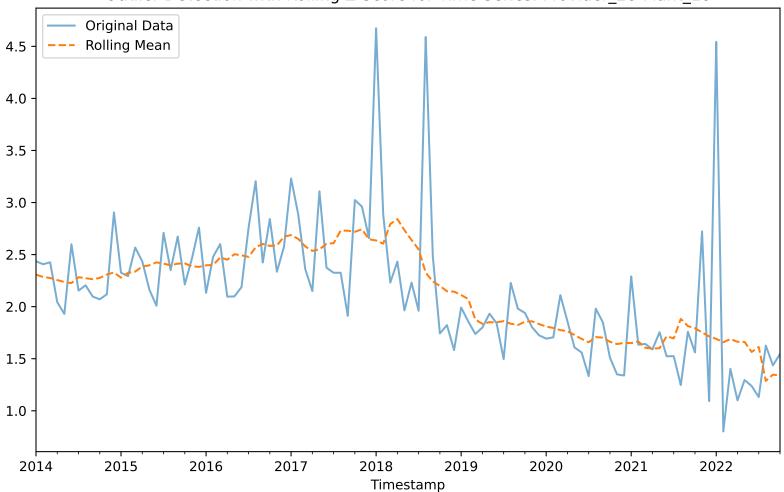
Outlier Detection with Rolling Z-Score for Time Series: Provider\_28-Plant\_14



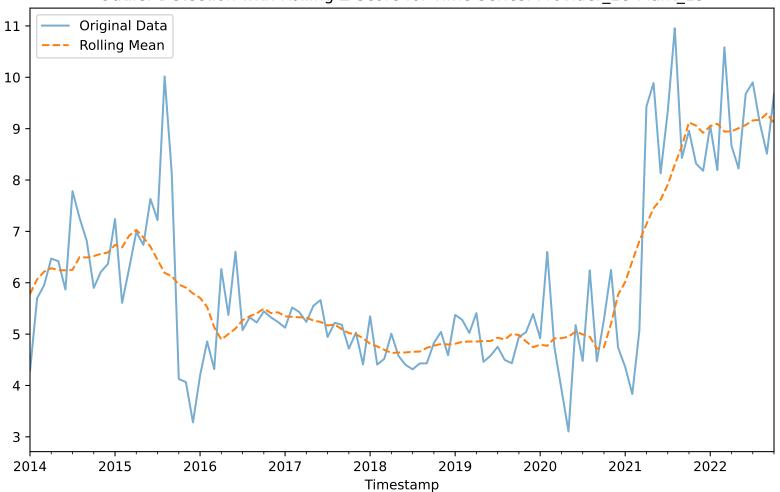
Outlier Detection with Rolling Z-Score for Time Series: Provider\_28-Plant\_15

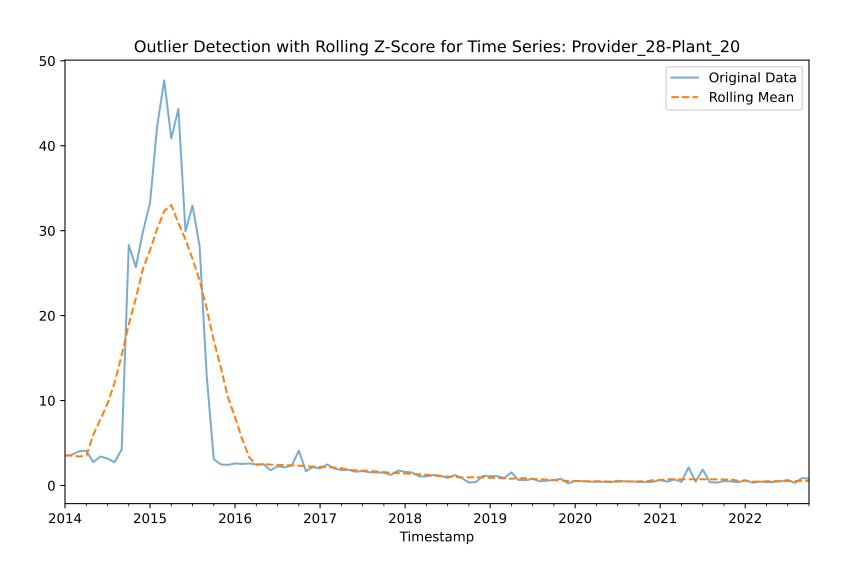


Outlier Detection with Rolling Z-Score for Time Series: Provider\_28-Plant\_18

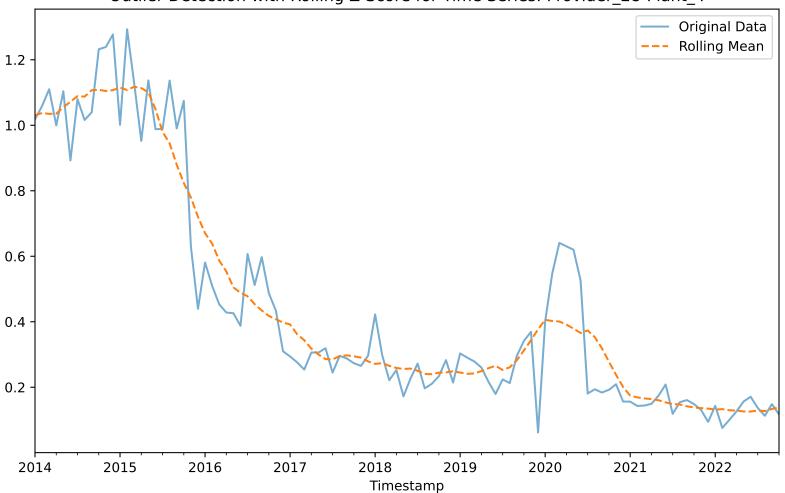


Outlier Detection with Rolling Z-Score for Time Series: Provider\_28-Plant\_19

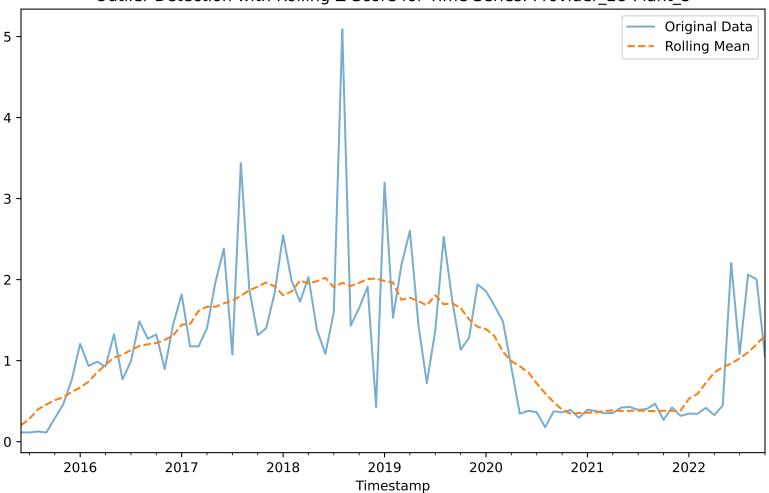




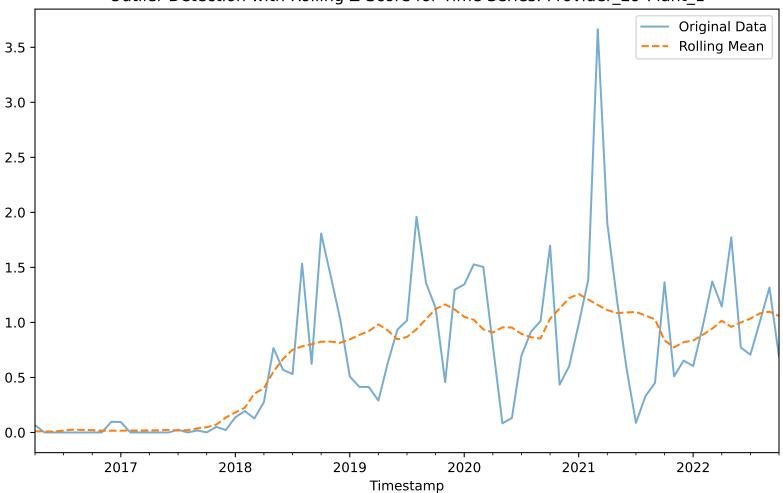
Outlier Detection with Rolling Z-Score for Time Series: Provider\_28-Plant\_4



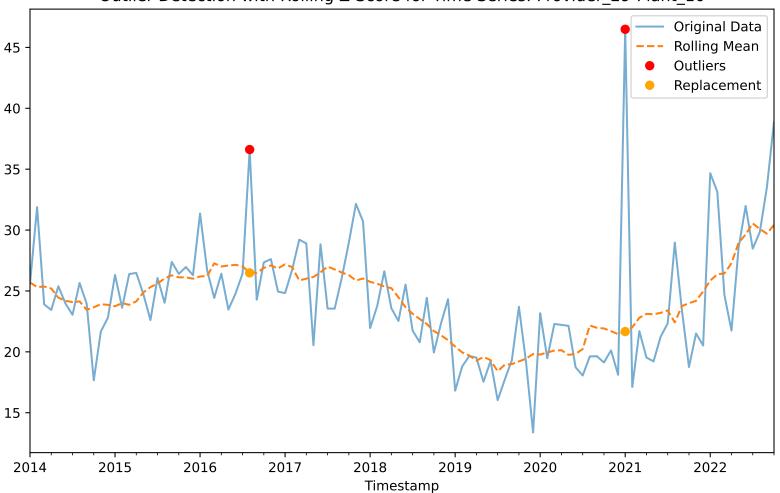
Outlier Detection with Rolling Z-Score for Time Series: Provider\_28-Plant\_5



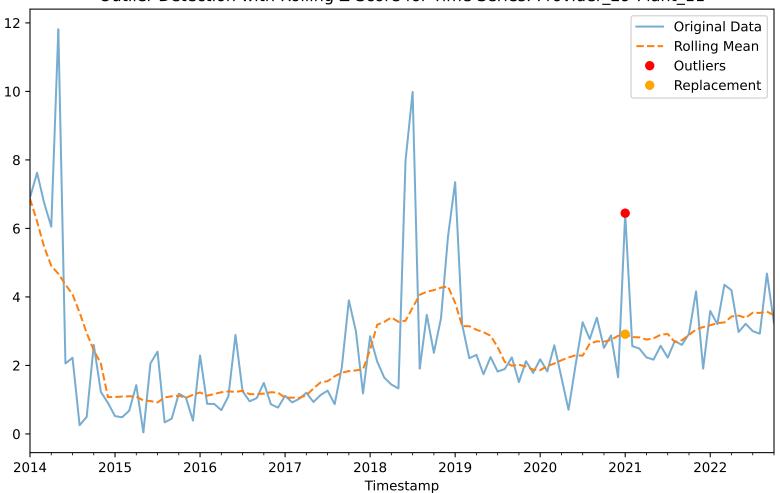
Outlier Detection with Rolling Z-Score for Time Series: Provider\_29-Plant\_1



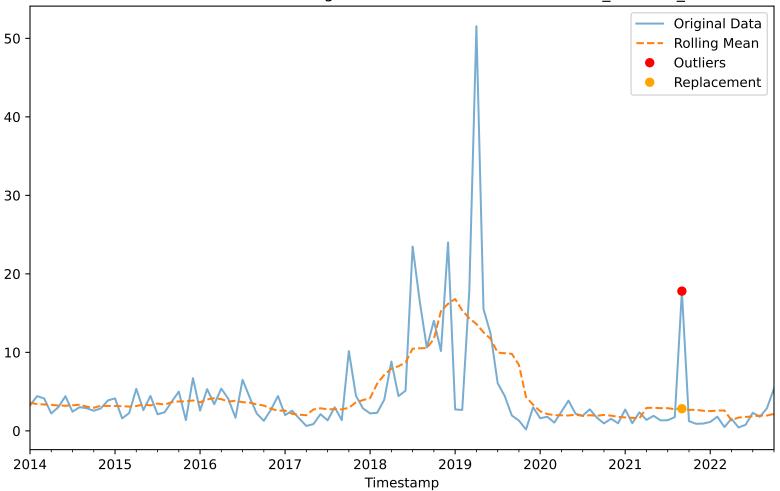
Outlier Detection with Rolling Z-Score for Time Series: Provider\_29-Plant\_10



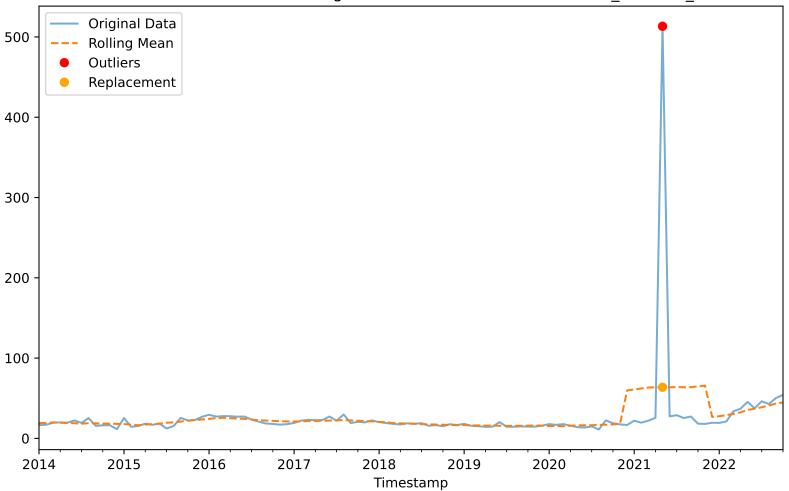
Outlier Detection with Rolling Z-Score for Time Series: Provider\_29-Plant\_11



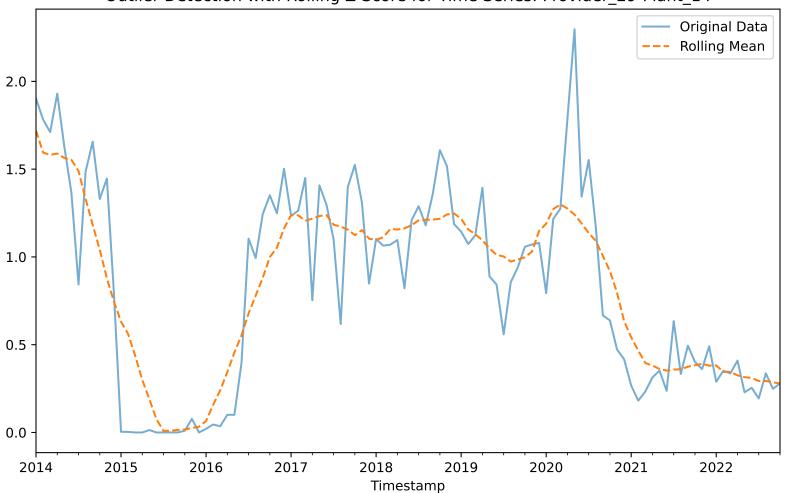
Outlier Detection with Rolling Z-Score for Time Series: Provider\_29-Plant\_12



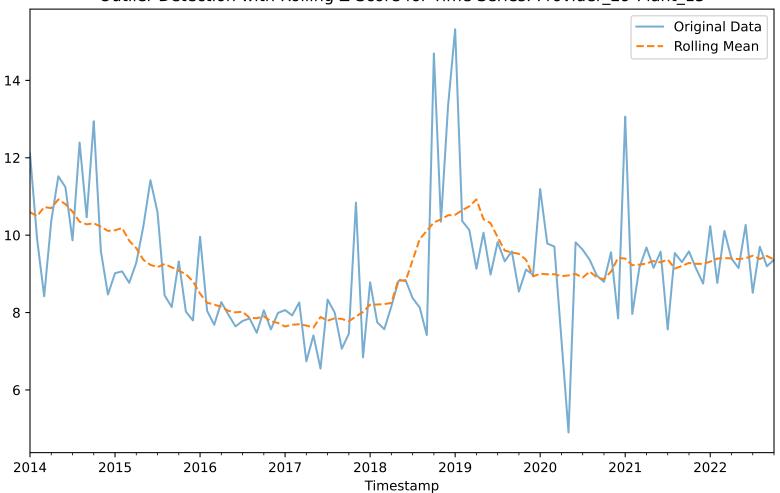
Outlier Detection with Rolling Z-Score for Time Series: Provider\_29-Plant\_13



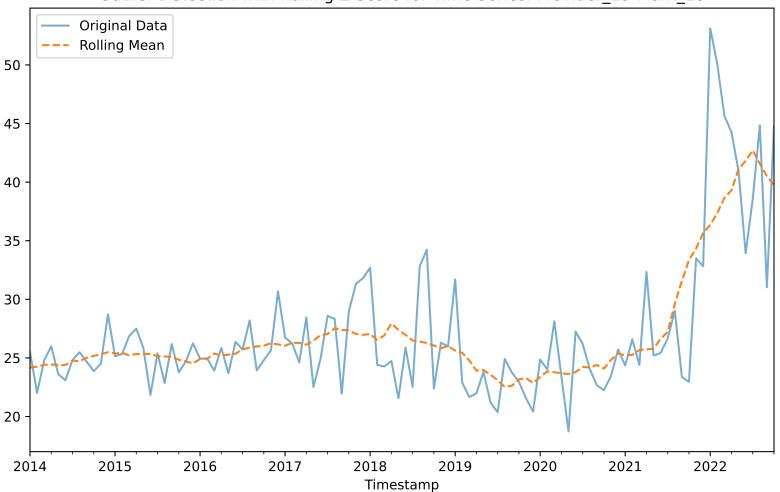
Outlier Detection with Rolling Z-Score for Time Series: Provider\_29-Plant\_14



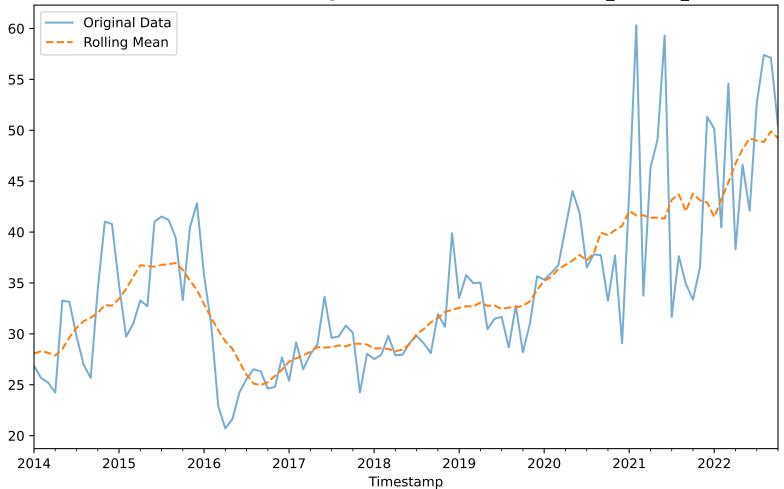
Outlier Detection with Rolling Z-Score for Time Series: Provider\_29-Plant\_15



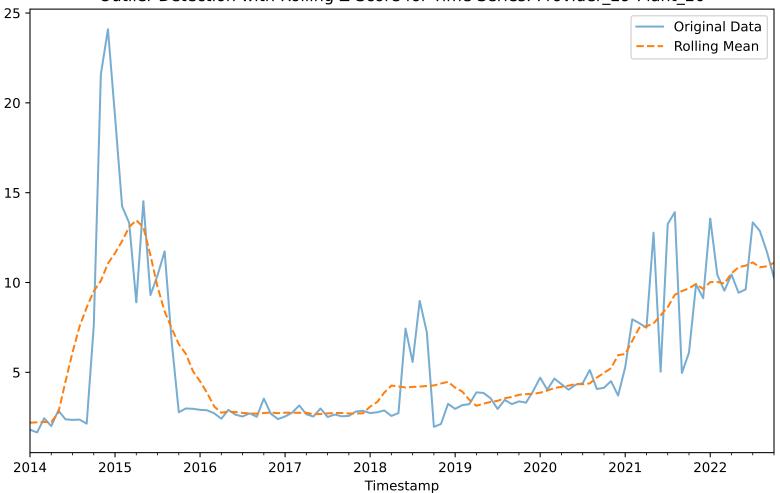
Outlier Detection with Rolling Z-Score for Time Series: Provider\_29-Plant\_18

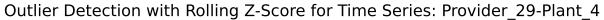


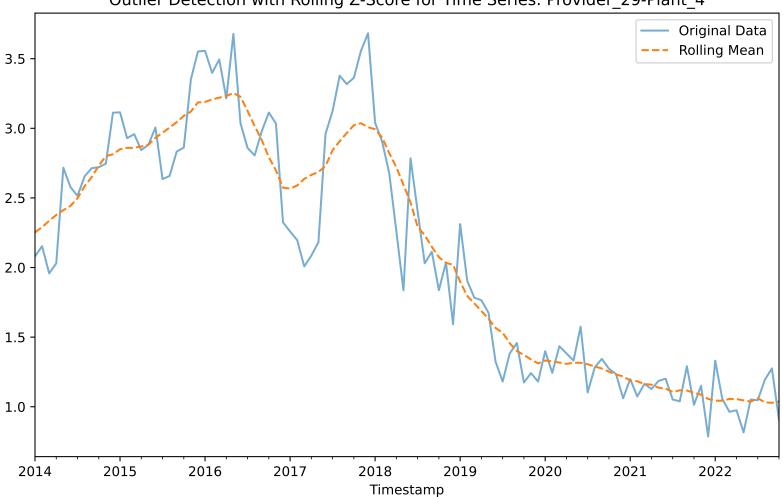
Outlier Detection with Rolling Z-Score for Time Series: Provider\_29-Plant\_19



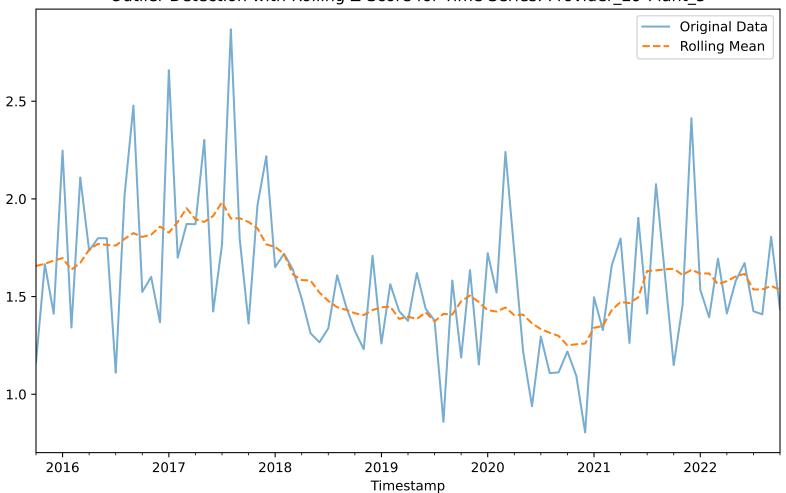
Outlier Detection with Rolling Z-Score for Time Series: Provider\_29-Plant\_20



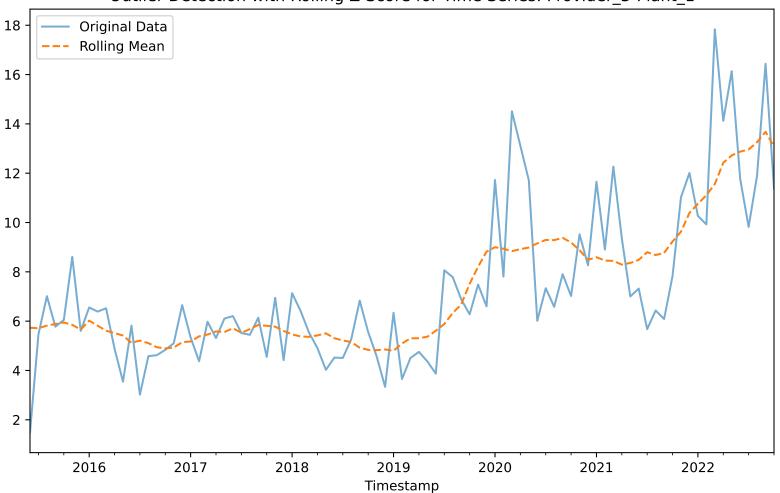




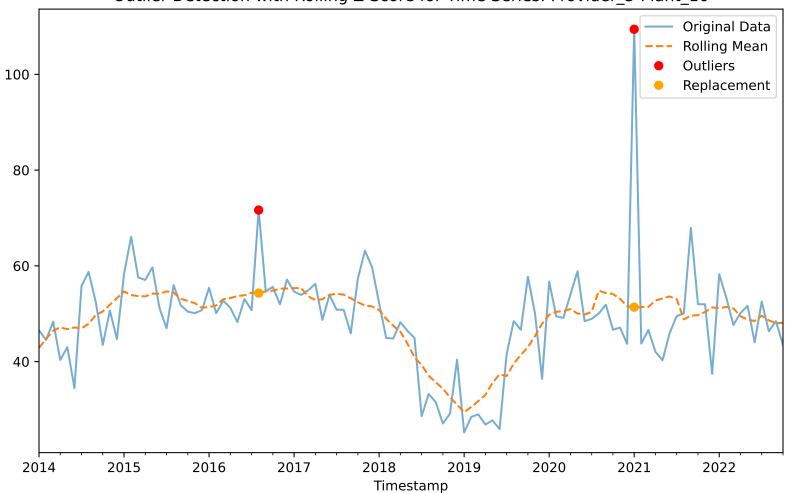
Outlier Detection with Rolling Z-Score for Time Series: Provider\_29-Plant\_5



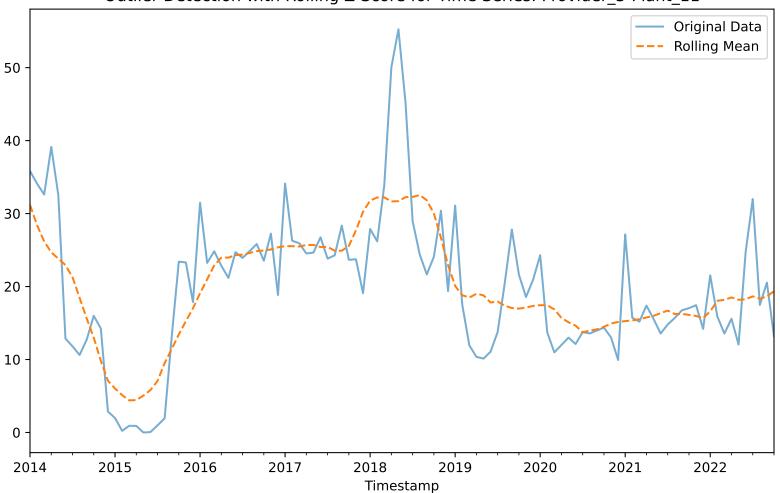
Outlier Detection with Rolling Z-Score for Time Series: Provider\_3-Plant\_1



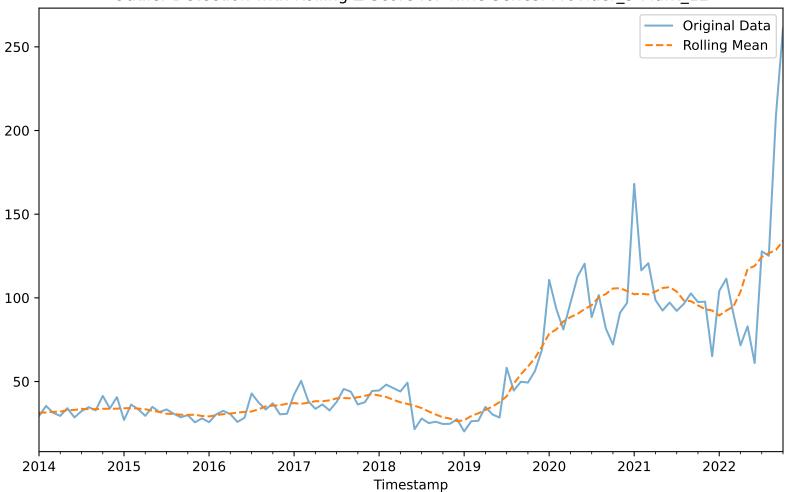
Outlier Detection with Rolling Z-Score for Time Series: Provider\_3-Plant\_10



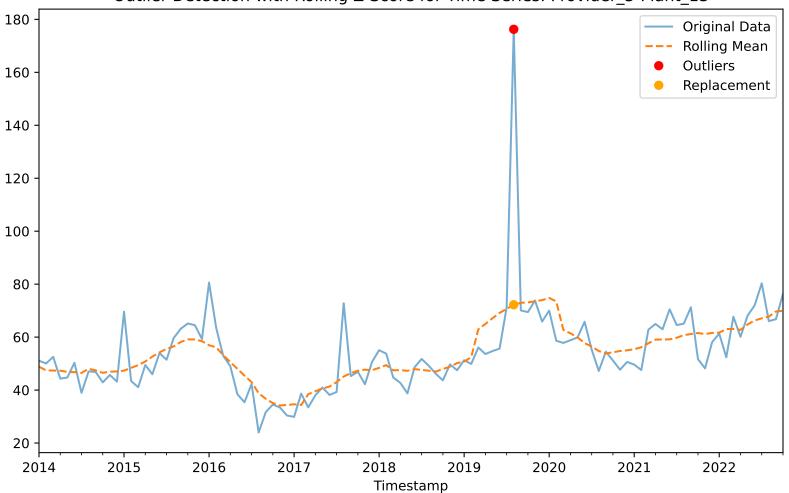
Outlier Detection with Rolling Z-Score for Time Series: Provider\_3-Plant\_11

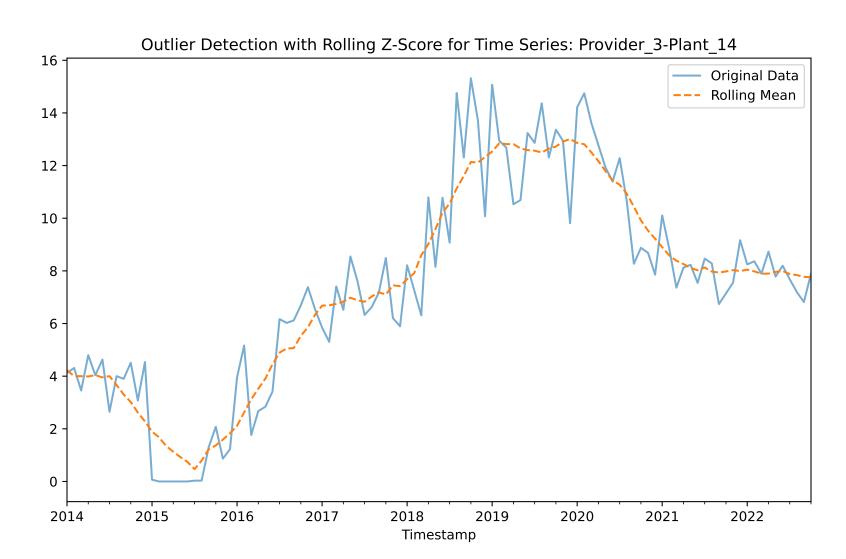


Outlier Detection with Rolling Z-Score for Time Series: Provider\_3-Plant\_12

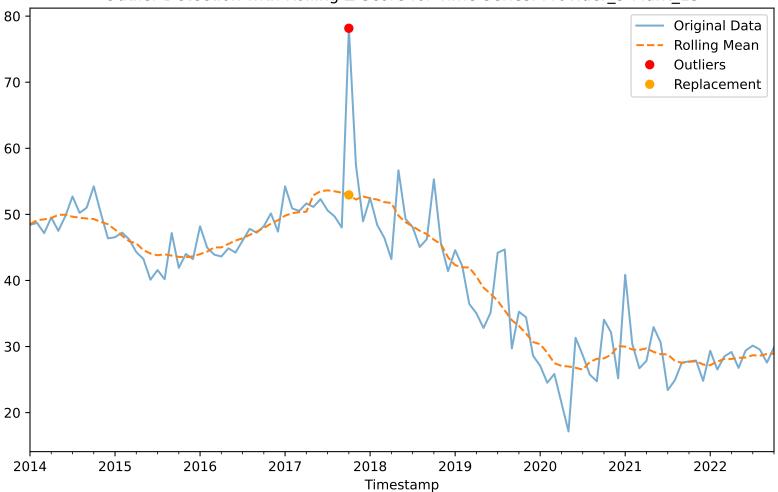


Outlier Detection with Rolling Z-Score for Time Series: Provider\_3-Plant\_13

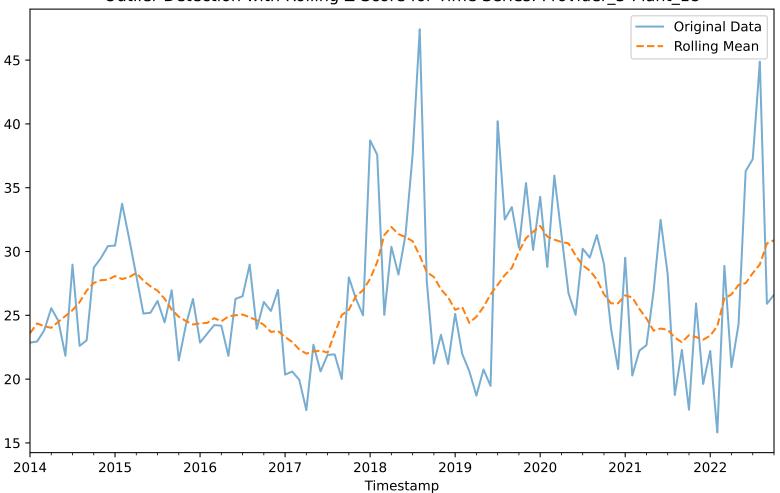




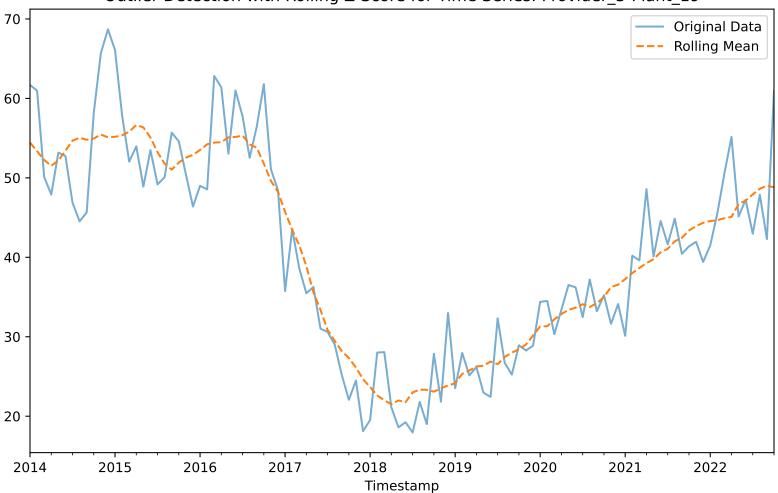
Outlier Detection with Rolling Z-Score for Time Series: Provider\_3-Plant\_15

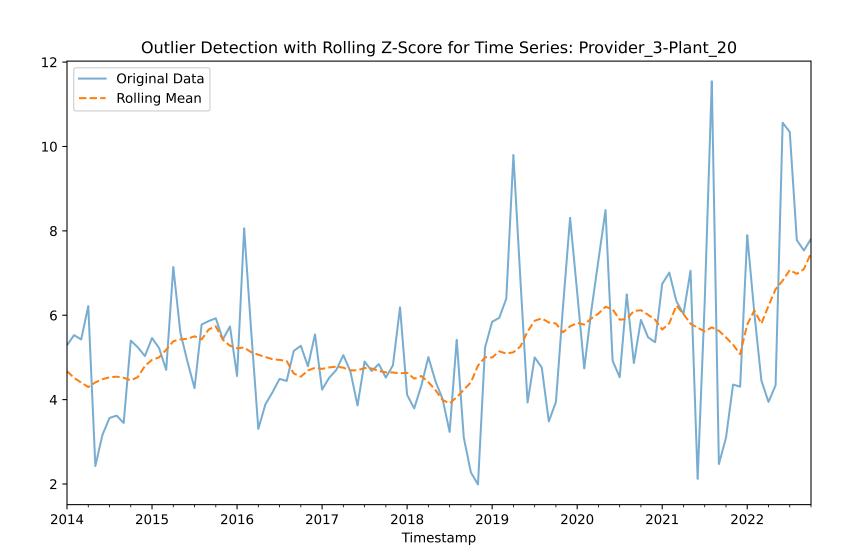


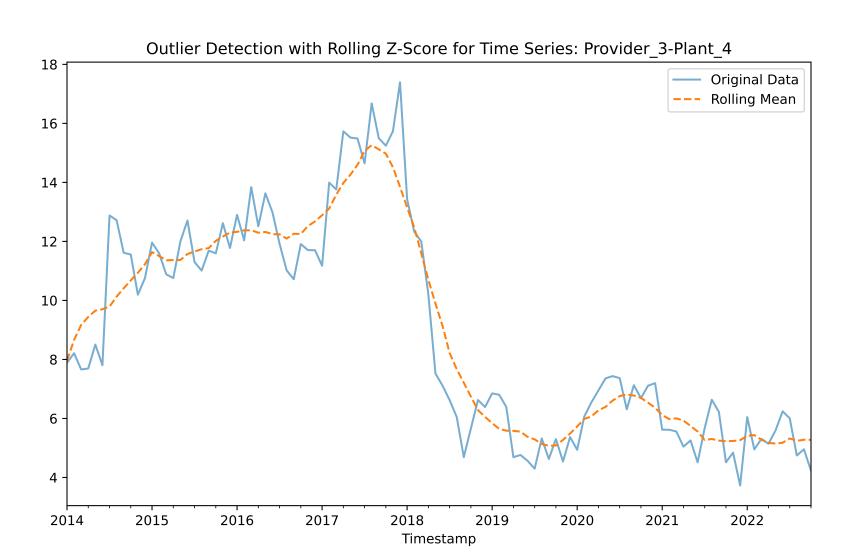
Outlier Detection with Rolling Z-Score for Time Series: Provider\_3-Plant\_18

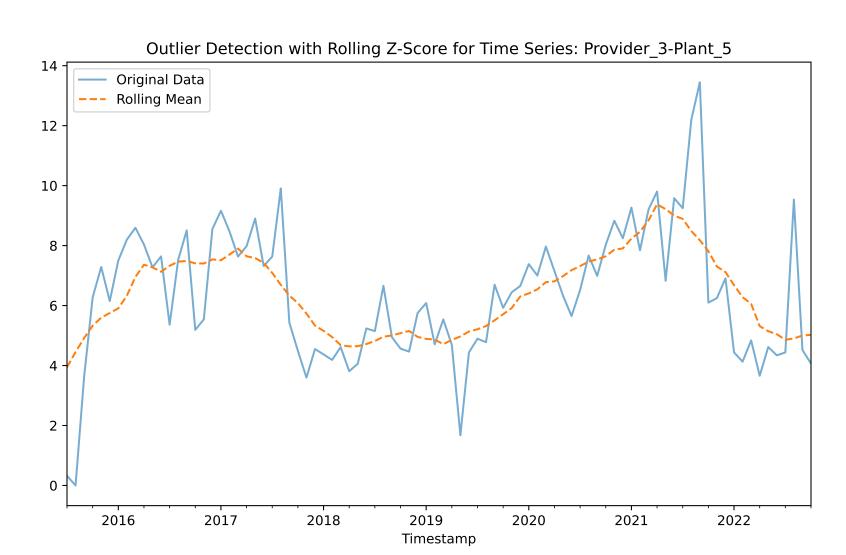


Outlier Detection with Rolling Z-Score for Time Series: Provider\_3-Plant\_19

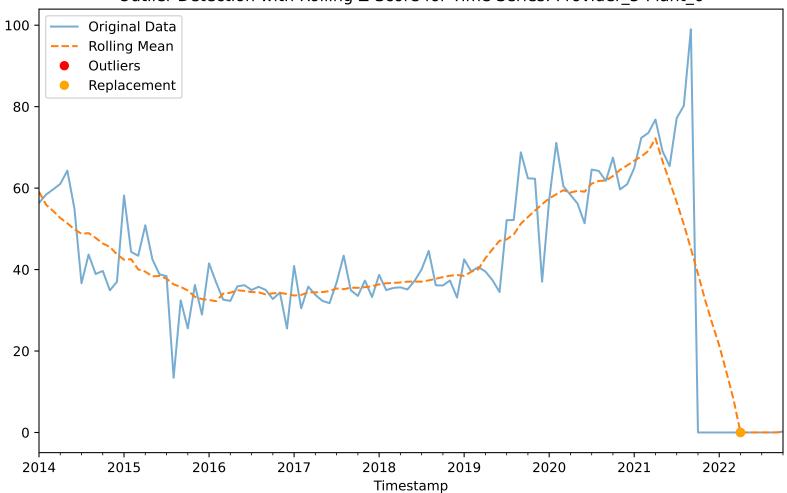




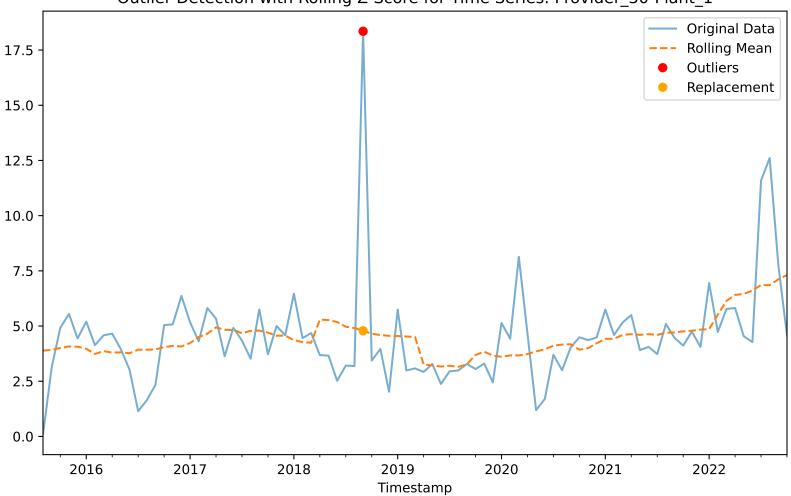




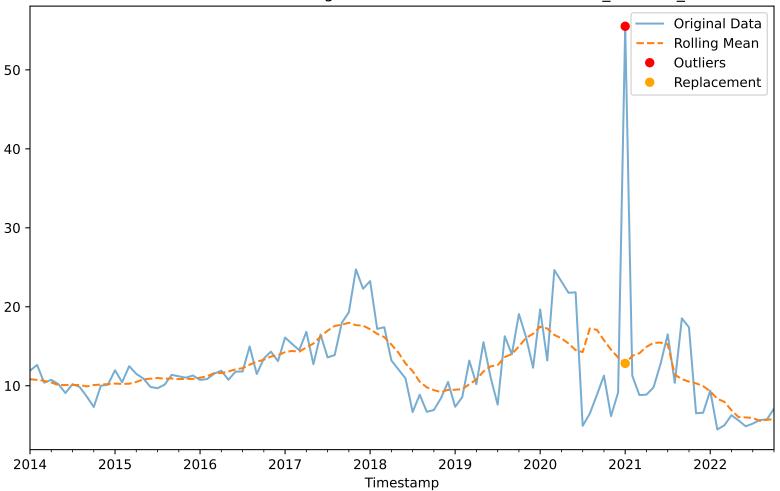
Outlier Detection with Rolling Z-Score for Time Series: Provider\_3-Plant\_6



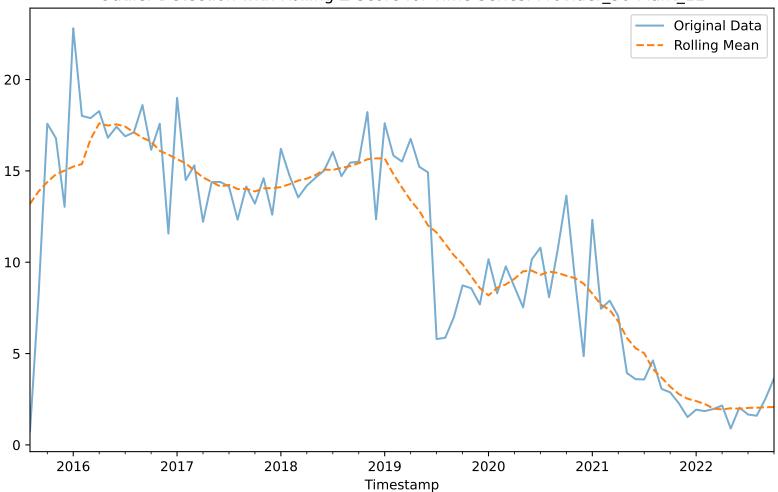
Outlier Detection with Rolling Z-Score for Time Series: Provider\_30-Plant\_1



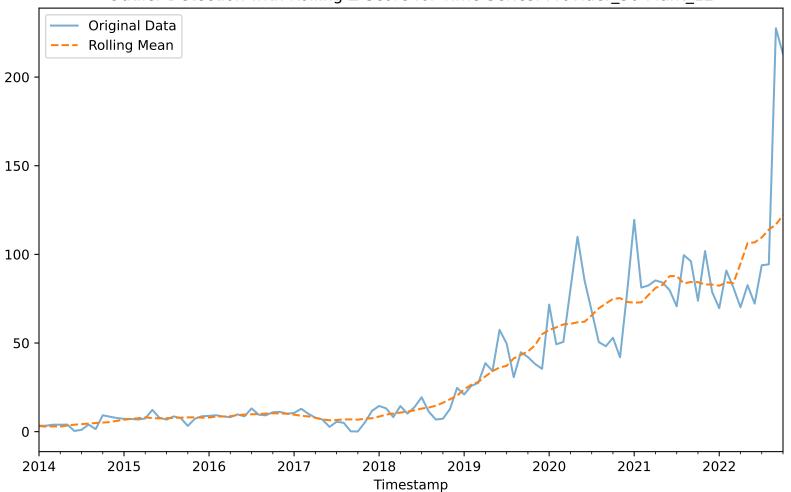
Outlier Detection with Rolling Z-Score for Time Series: Provider\_30-Plant\_10



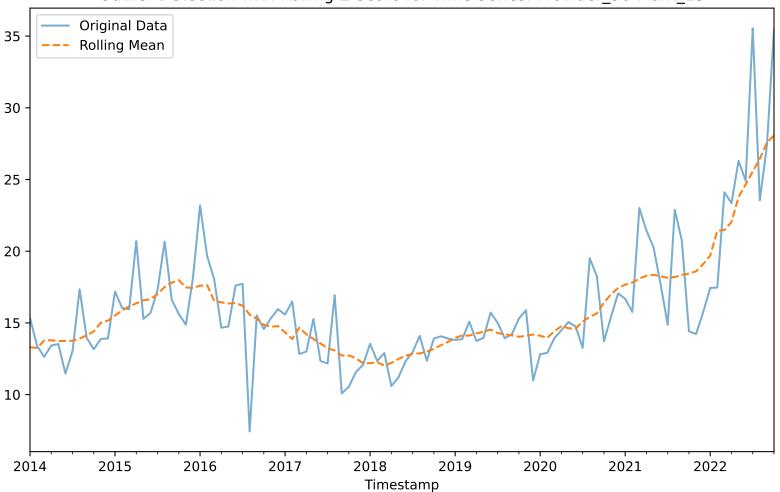
Outlier Detection with Rolling Z-Score for Time Series: Provider\_30-Plant\_11



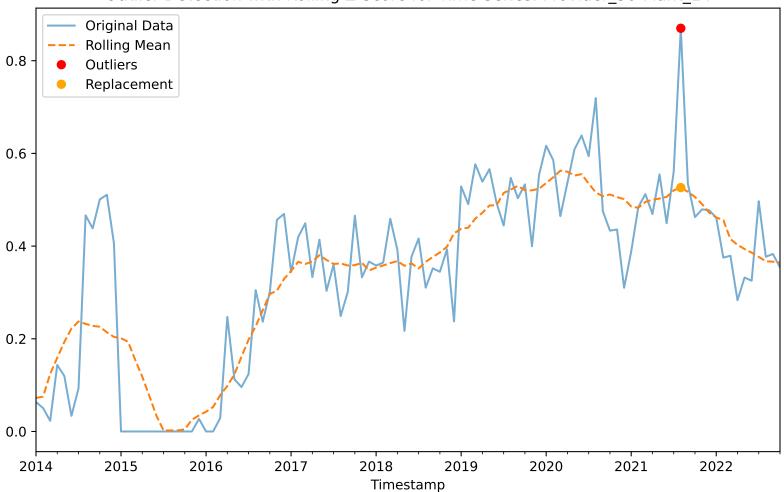
Outlier Detection with Rolling Z-Score for Time Series: Provider\_30-Plant\_12



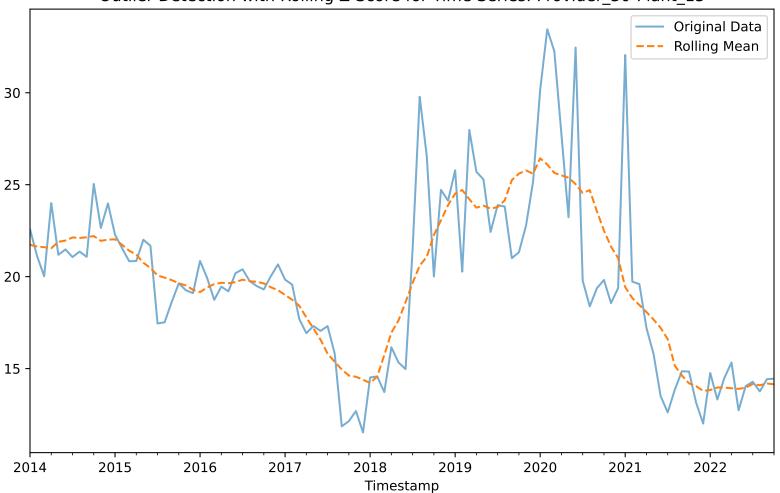
Outlier Detection with Rolling Z-Score for Time Series: Provider\_30-Plant\_13



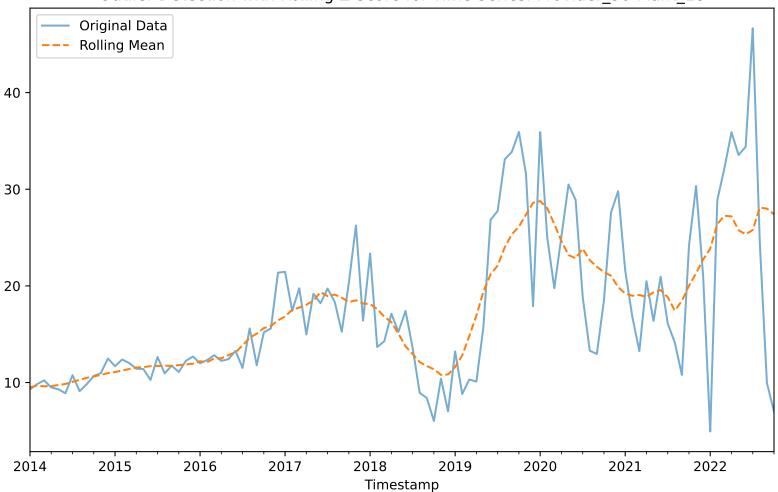
Outlier Detection with Rolling Z-Score for Time Series: Provider\_30-Plant\_14



Outlier Detection with Rolling Z-Score for Time Series: Provider\_30-Plant\_15



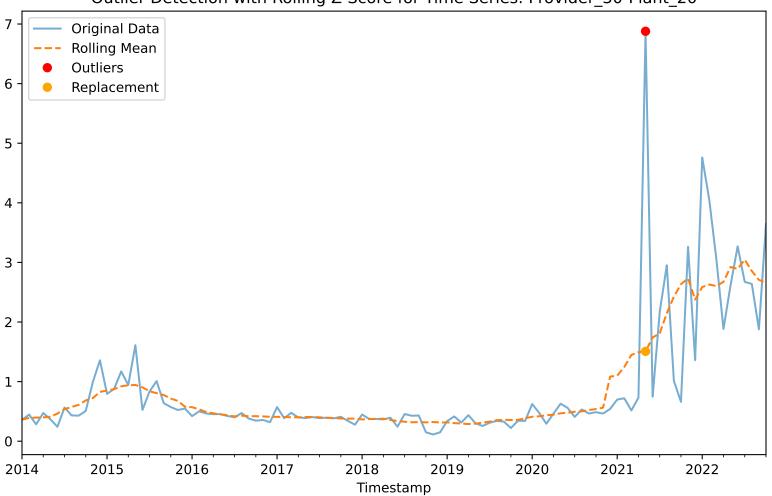
Outlier Detection with Rolling Z-Score for Time Series: Provider\_30-Plant\_18

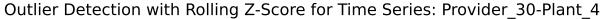


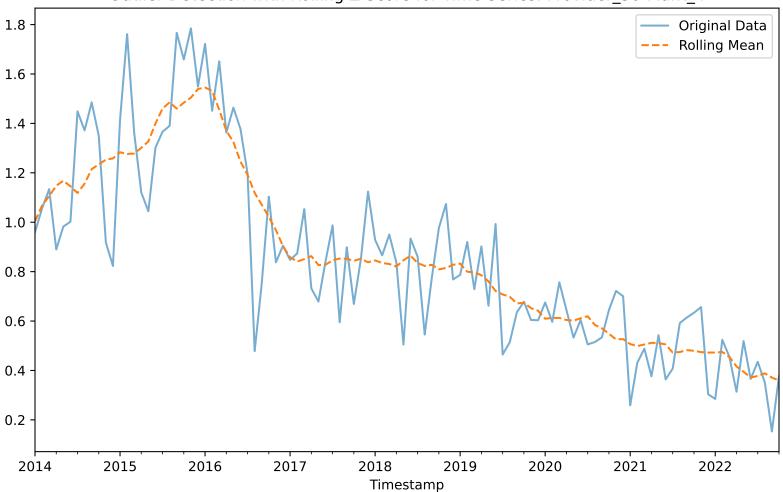
Outlier Detection with Rolling Z-Score for Time Series: Provider\_30-Plant\_19 Original Data Rolling Mean 

Timestamp

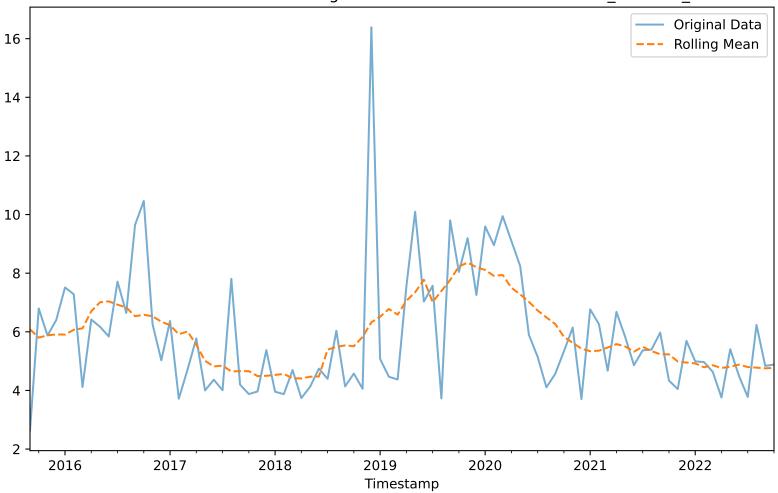
Outlier Detection with Rolling Z-Score for Time Series: Provider\_30-Plant\_20



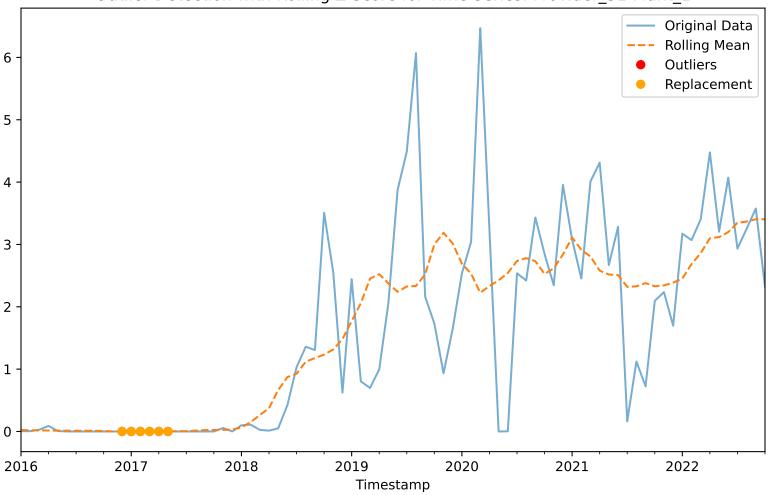




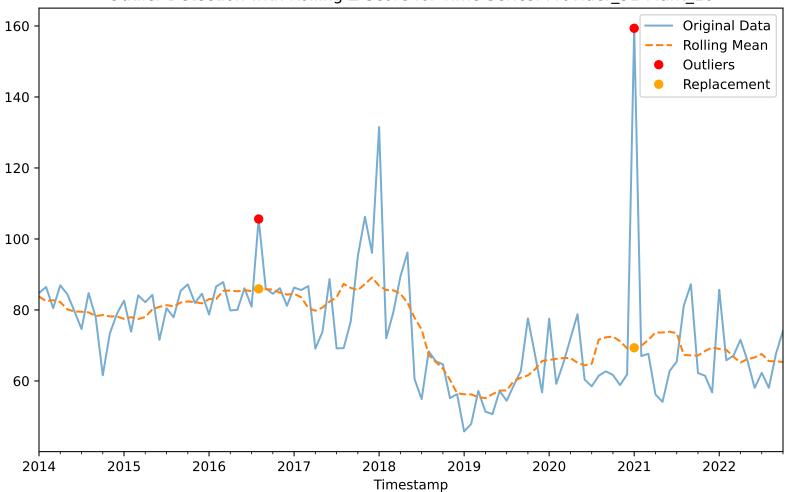
Outlier Detection with Rolling Z-Score for Time Series: Provider\_30-Plant\_5



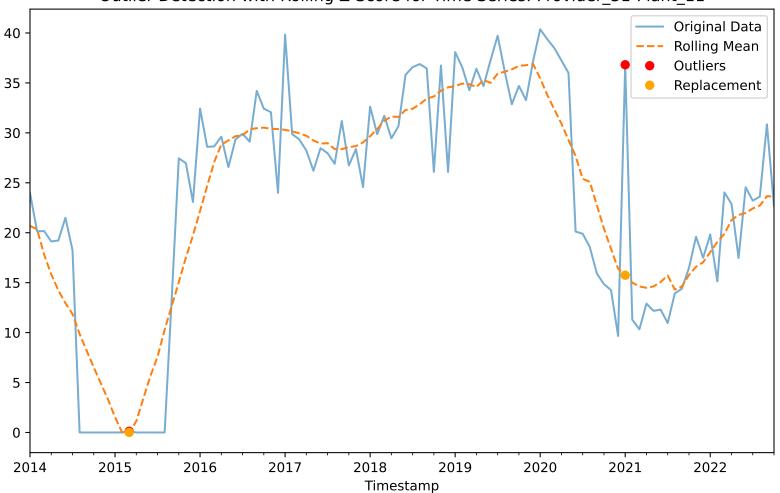
Outlier Detection with Rolling Z-Score for Time Series: Provider\_31-Plant\_1



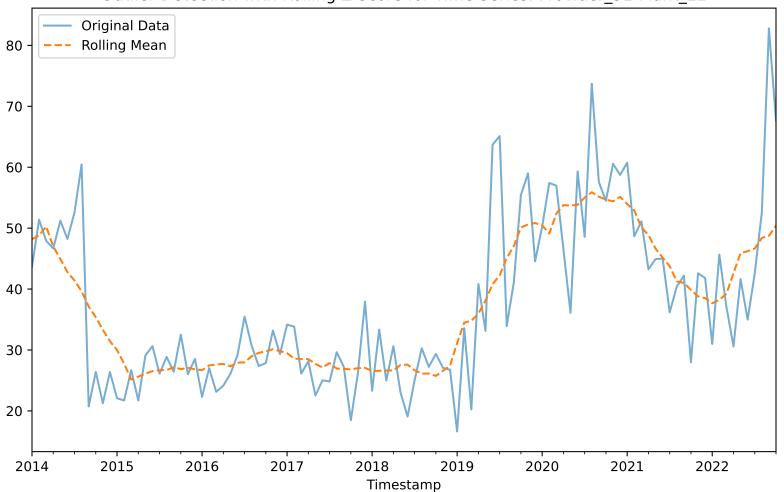
Outlier Detection with Rolling Z-Score for Time Series: Provider\_31-Plant\_10



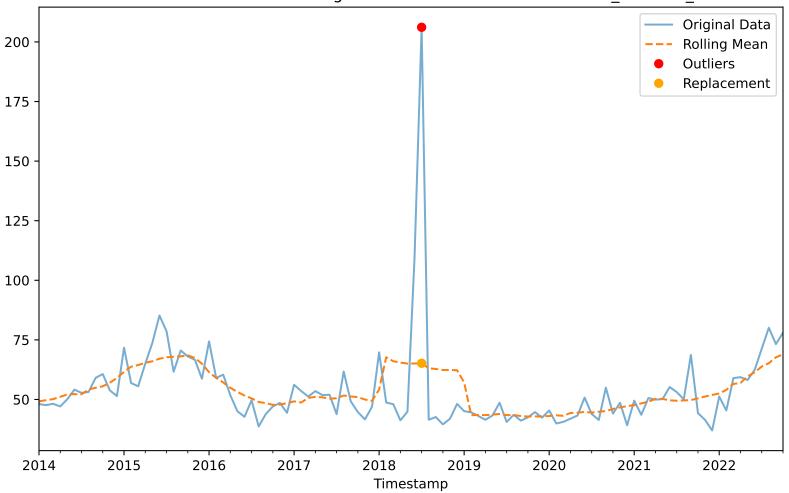
Outlier Detection with Rolling Z-Score for Time Series: Provider\_31-Plant\_11



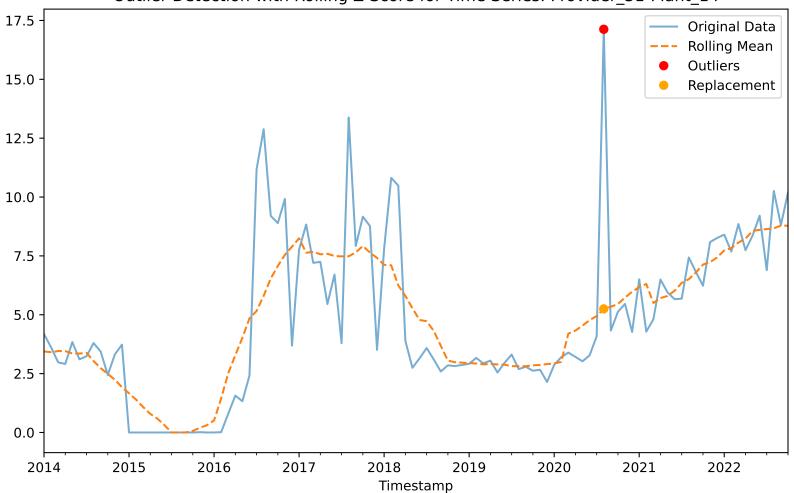
Outlier Detection with Rolling Z-Score for Time Series: Provider\_31-Plant\_12



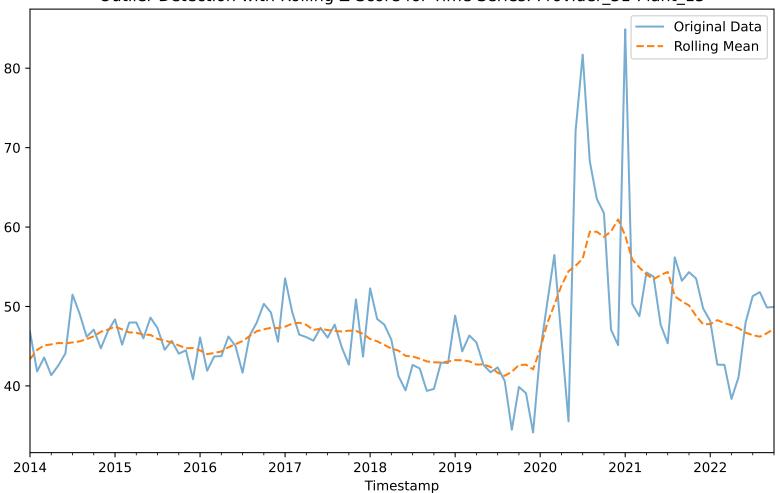
Outlier Detection with Rolling Z-Score for Time Series: Provider\_31-Plant\_13



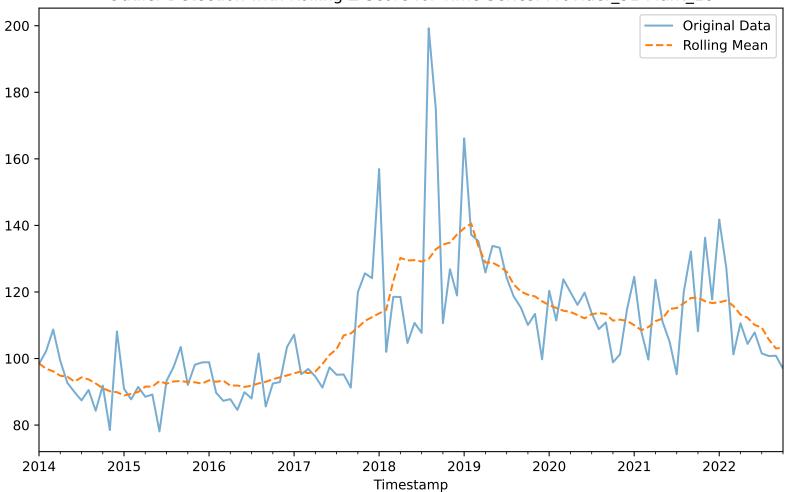
Outlier Detection with Rolling Z-Score for Time Series: Provider\_31-Plant\_14



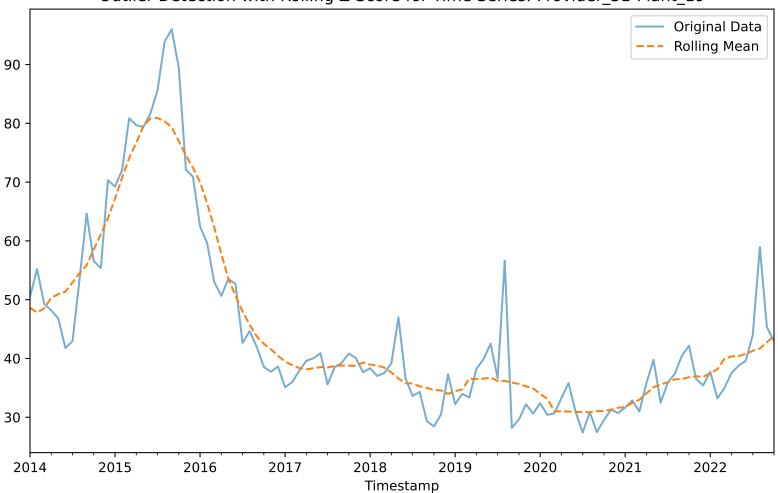
Outlier Detection with Rolling Z-Score for Time Series: Provider\_31-Plant\_15



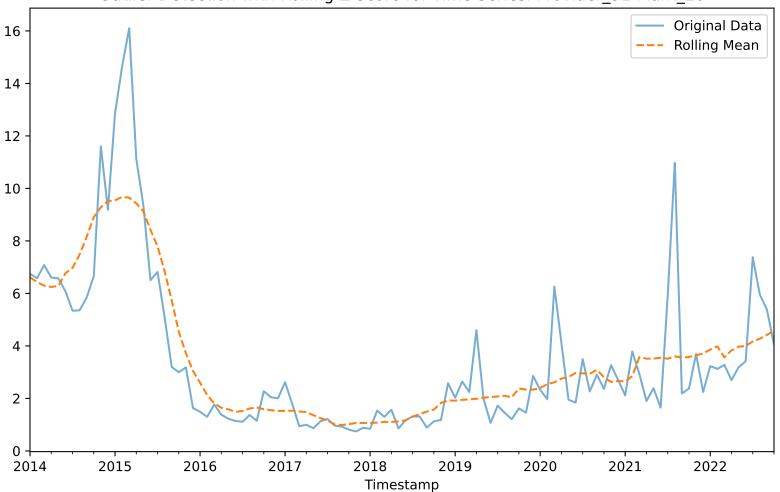
Outlier Detection with Rolling Z-Score for Time Series: Provider\_31-Plant\_18



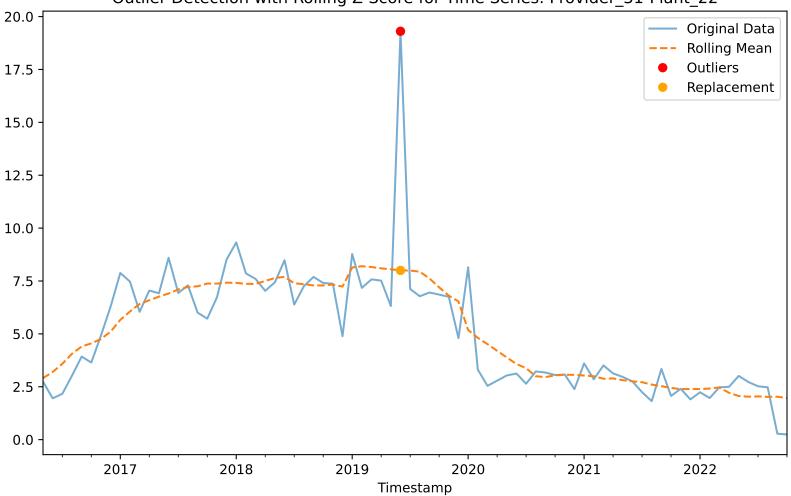
Outlier Detection with Rolling Z-Score for Time Series: Provider\_31-Plant\_19

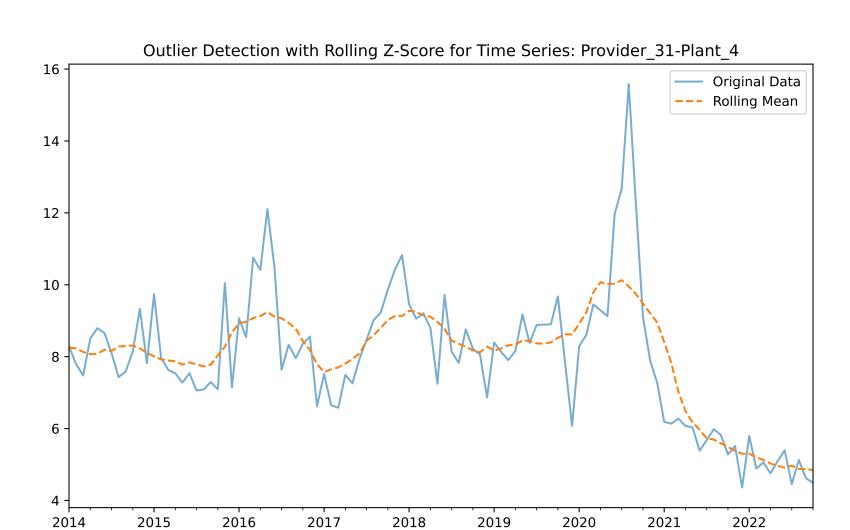


Outlier Detection with Rolling Z-Score for Time Series: Provider\_31-Plant\_20



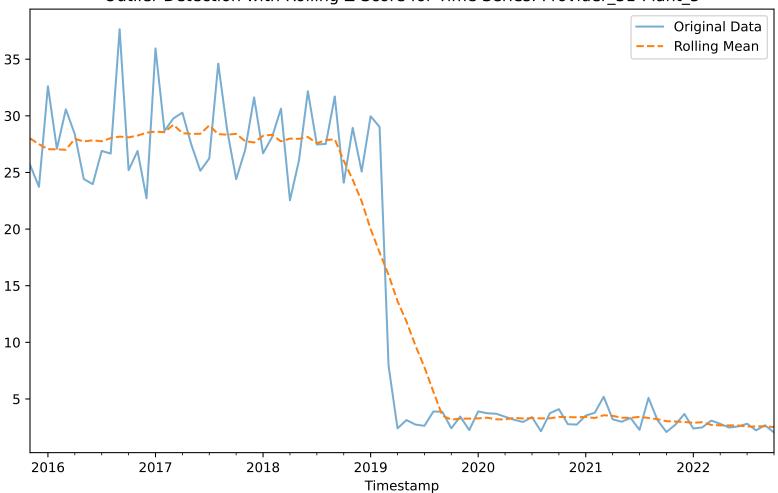
Outlier Detection with Rolling Z-Score for Time Series: Provider\_31-Plant\_22



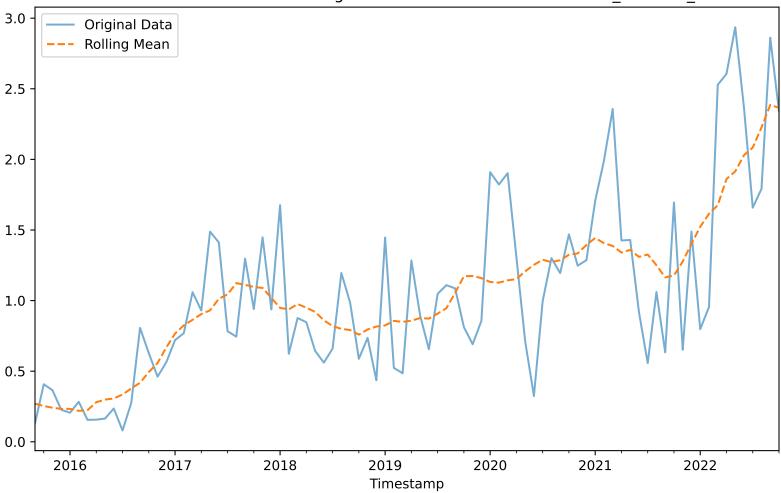


Timestamp

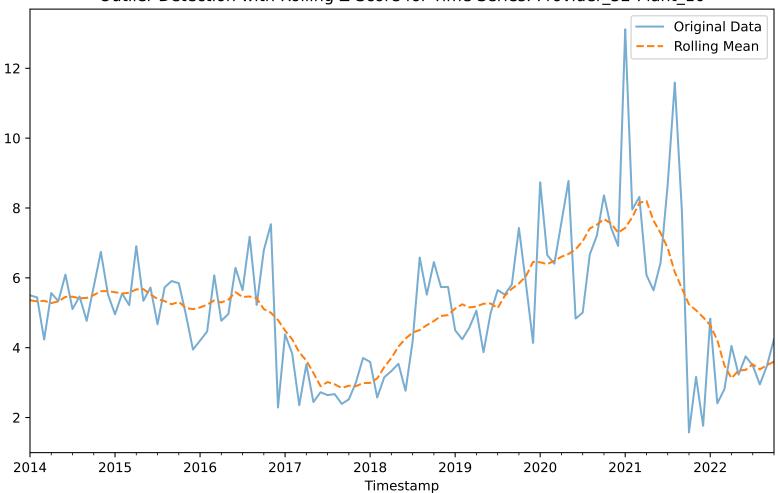
Outlier Detection with Rolling Z-Score for Time Series: Provider\_31-Plant\_5



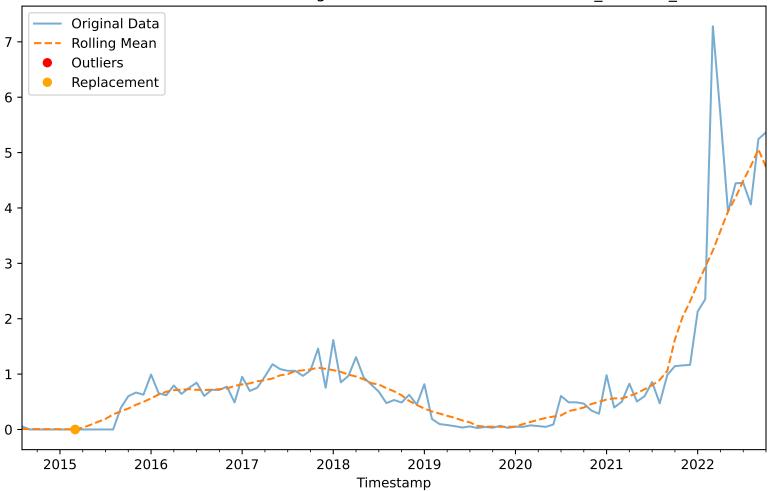
Outlier Detection with Rolling Z-Score for Time Series: Provider\_32-Plant\_1

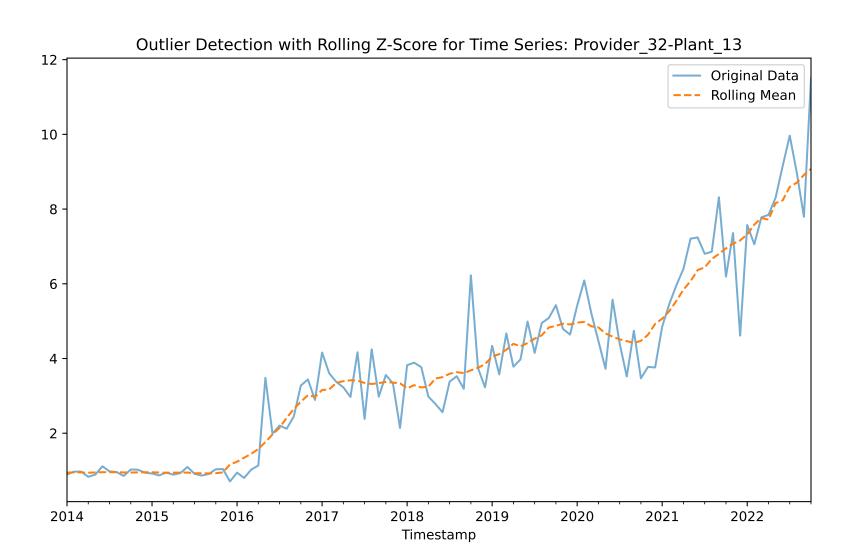


Outlier Detection with Rolling Z-Score for Time Series: Provider\_32-Plant\_10

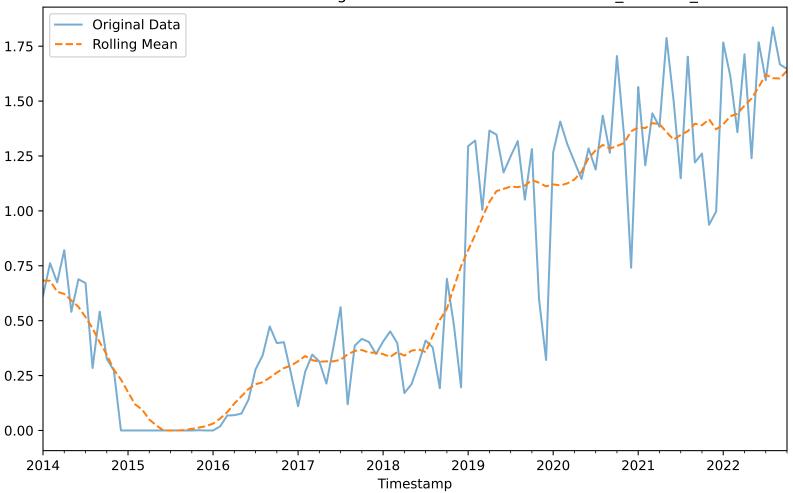


Outlier Detection with Rolling Z-Score for Time Series: Provider\_32-Plant\_11

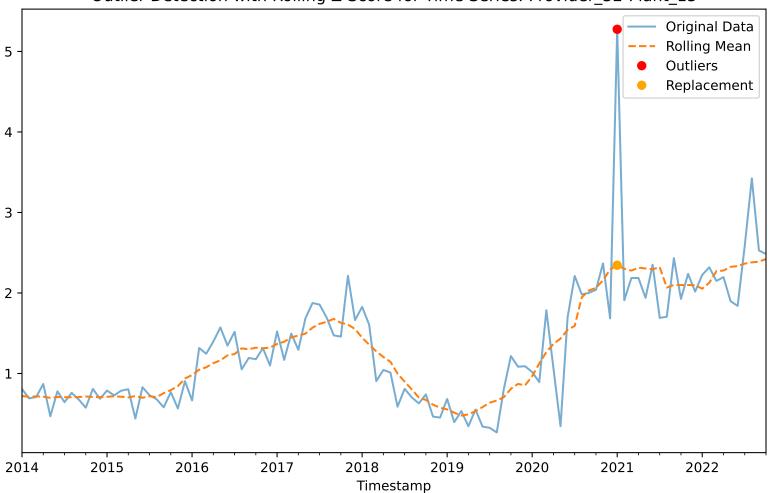




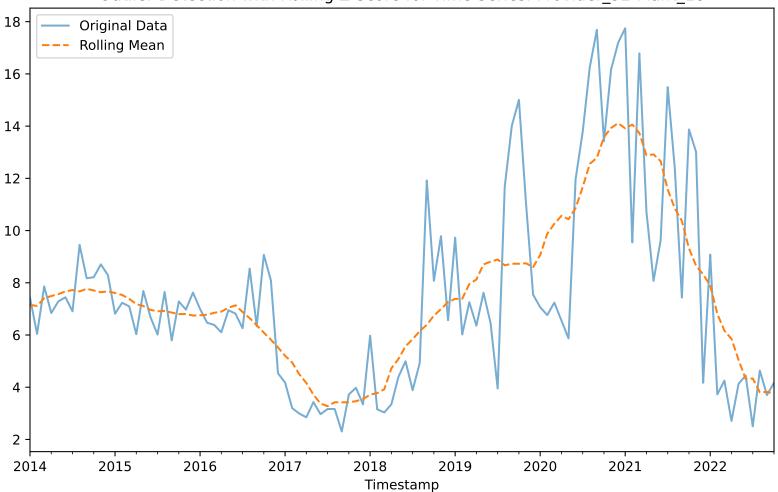
Outlier Detection with Rolling Z-Score for Time Series: Provider\_32-Plant\_14



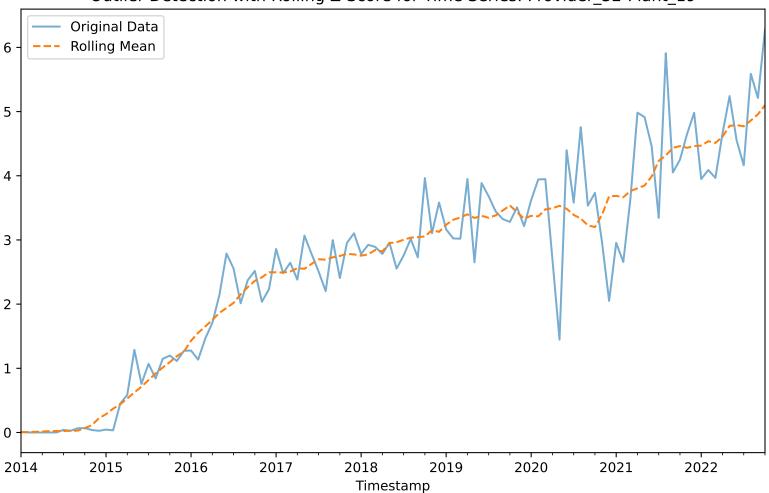
Outlier Detection with Rolling Z-Score for Time Series: Provider\_32-Plant\_15



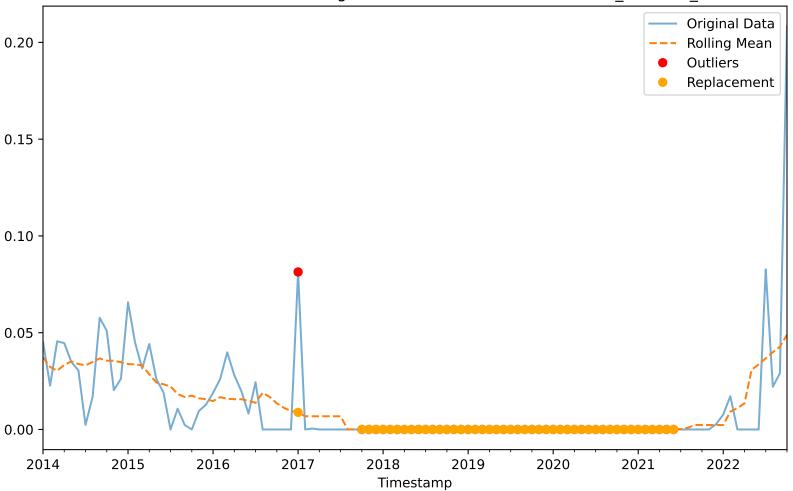
Outlier Detection with Rolling Z-Score for Time Series: Provider\_32-Plant\_18



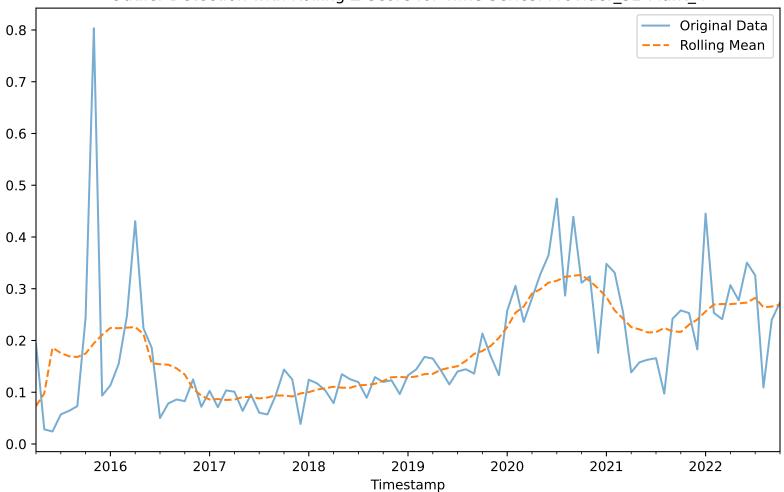
Outlier Detection with Rolling Z-Score for Time Series: Provider\_32-Plant\_19

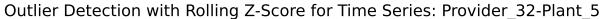


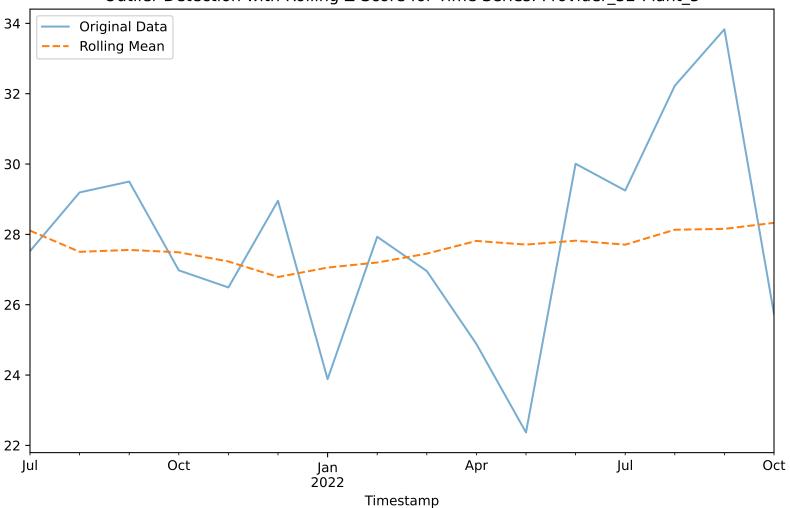
Outlier Detection with Rolling Z-Score for Time Series: Provider\_32-Plant\_20

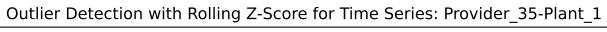


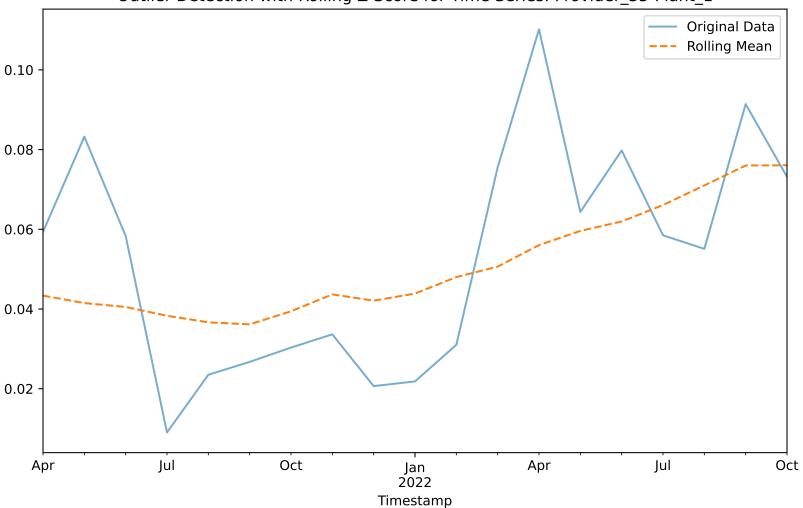
Outlier Detection with Rolling Z-Score for Time Series: Provider\_32-Plant\_4



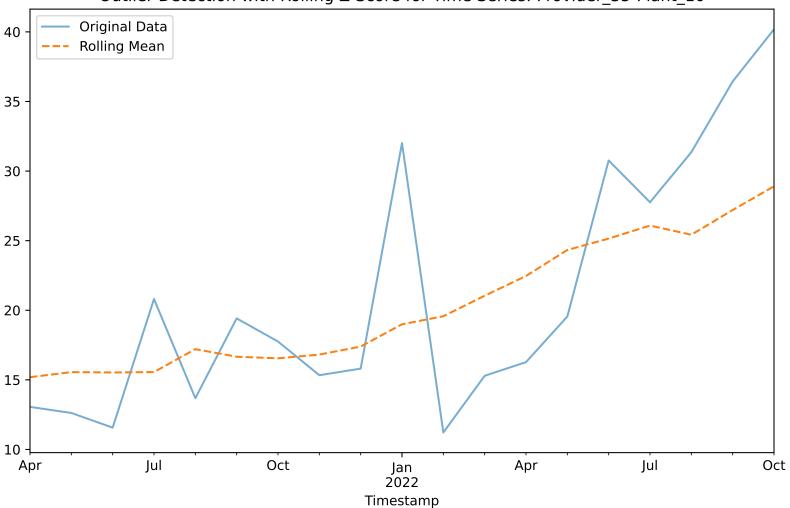


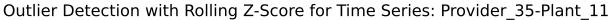


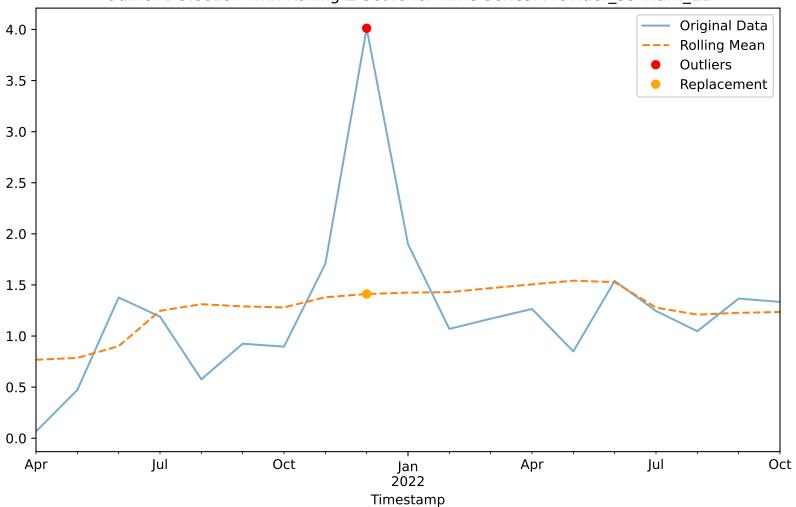




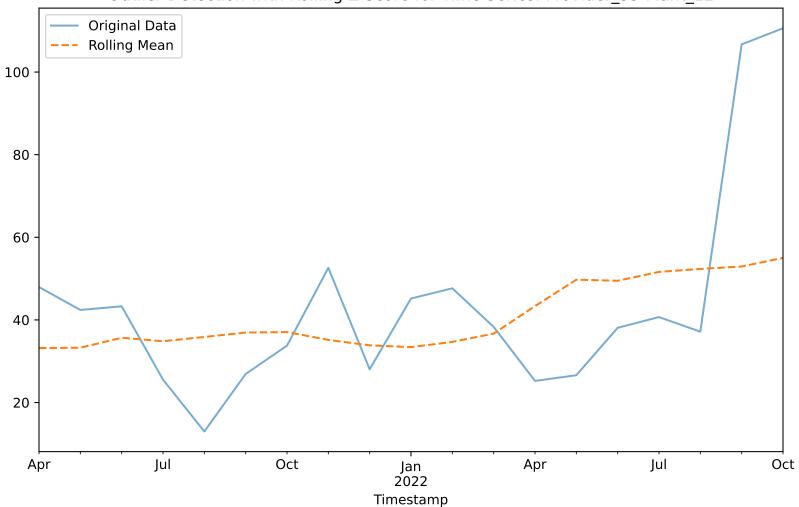
Outlier Detection with Rolling Z-Score for Time Series: Provider\_35-Plant\_10

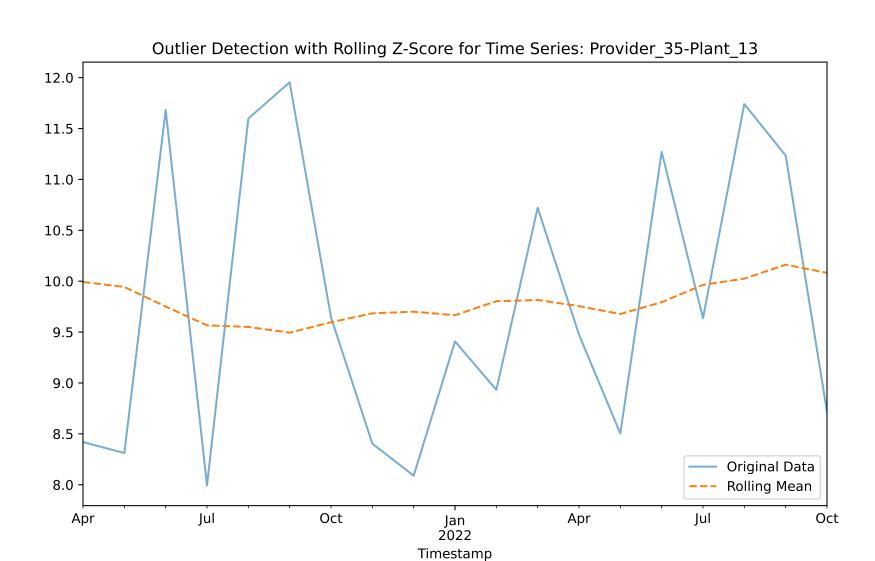




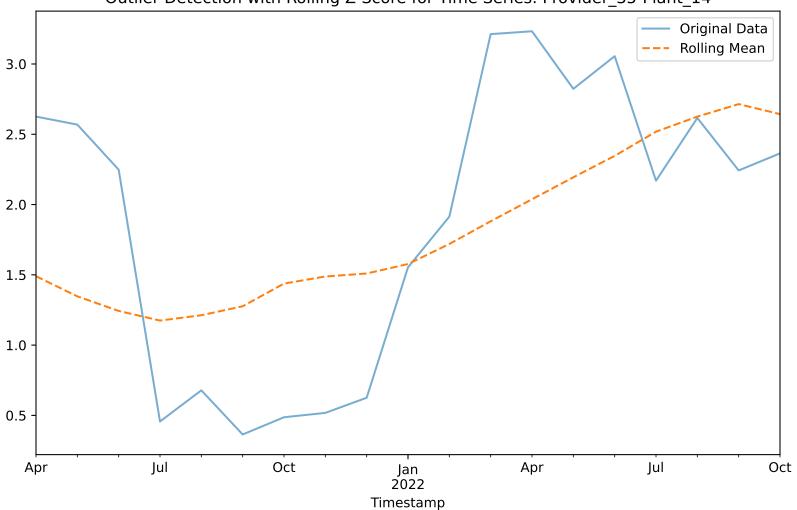


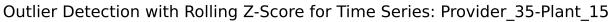
Outlier Detection with Rolling Z-Score for Time Series: Provider\_35-Plant\_12

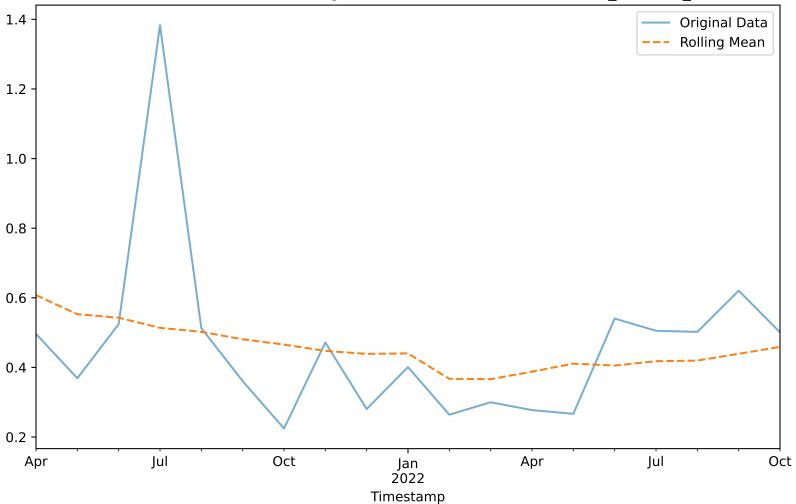




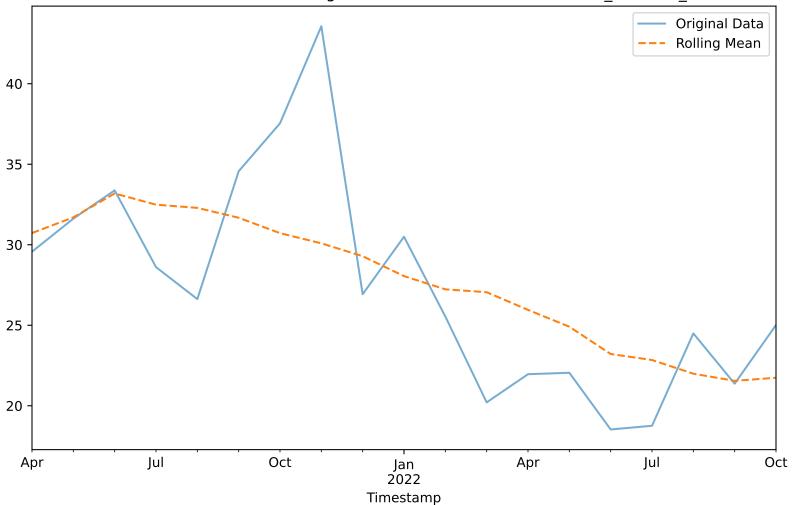
Outlier Detection with Rolling Z-Score for Time Series: Provider\_35-Plant\_14



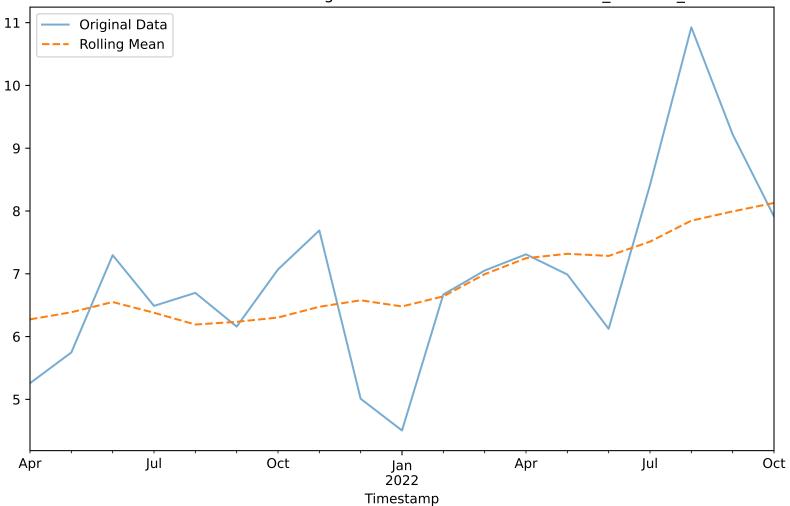




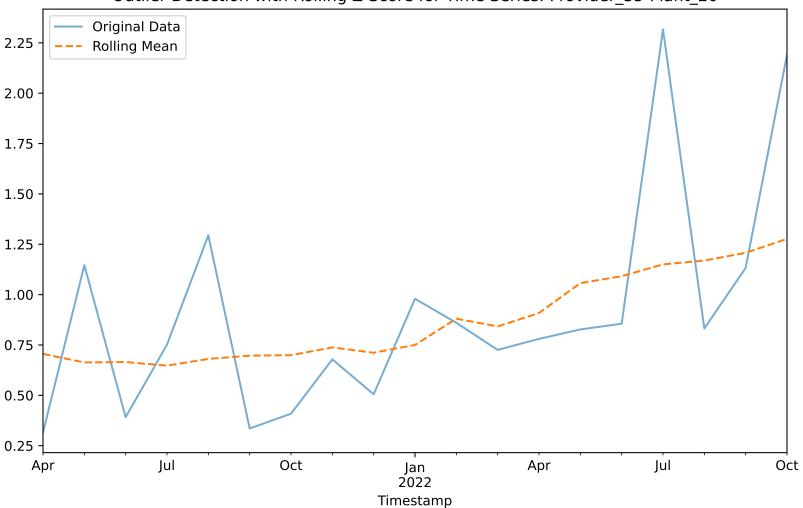
Outlier Detection with Rolling Z-Score for Time Series: Provider\_35-Plant\_18

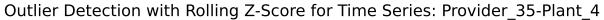


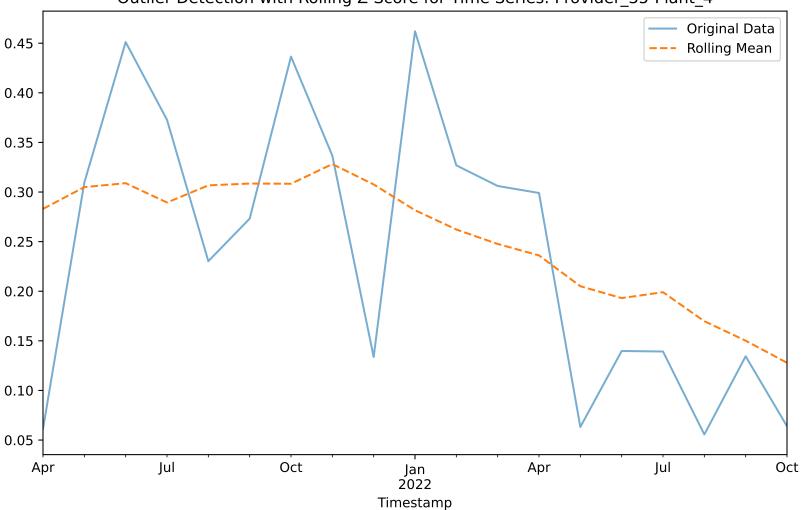
Outlier Detection with Rolling Z-Score for Time Series: Provider\_35-Plant\_19



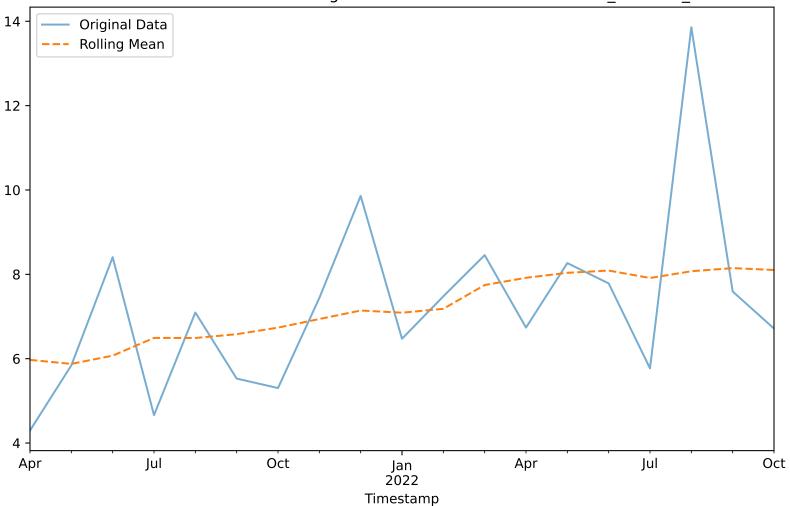
Outlier Detection with Rolling Z-Score for Time Series: Provider\_35-Plant\_20



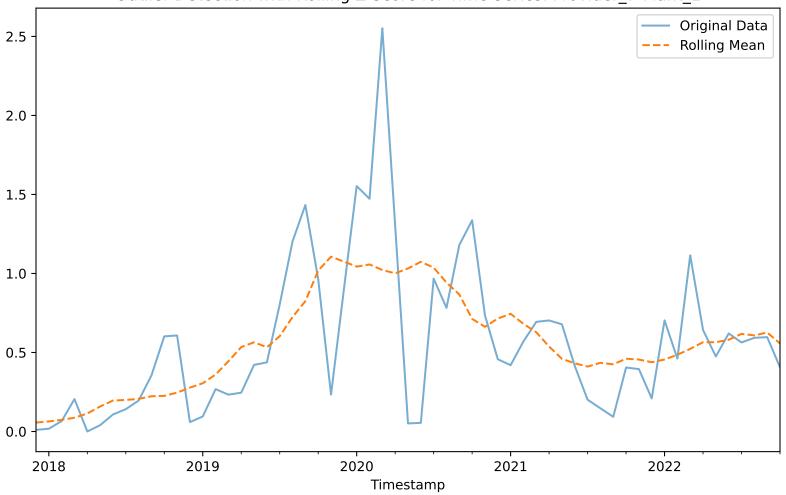




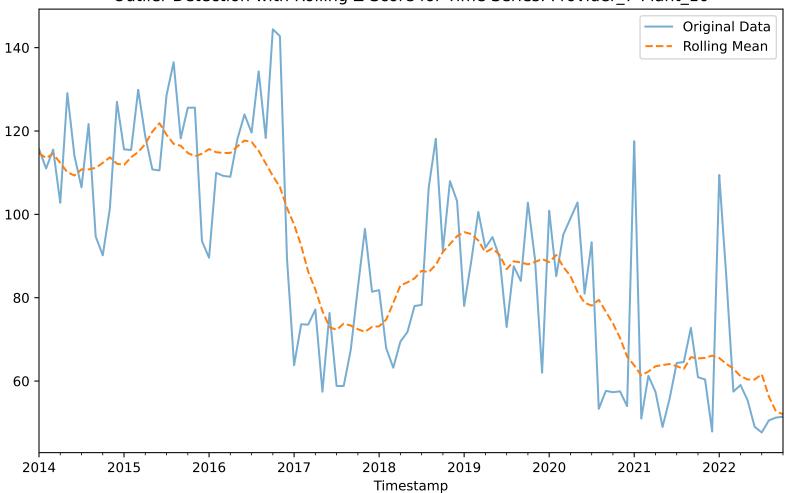
Outlier Detection with Rolling Z-Score for Time Series: Provider\_35-Plant\_5



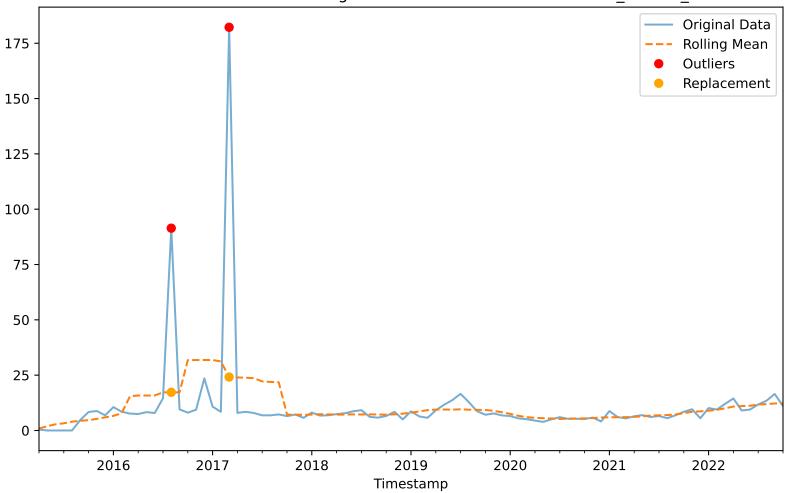
Outlier Detection with Rolling Z-Score for Time Series: Provider\_7-Plant\_1



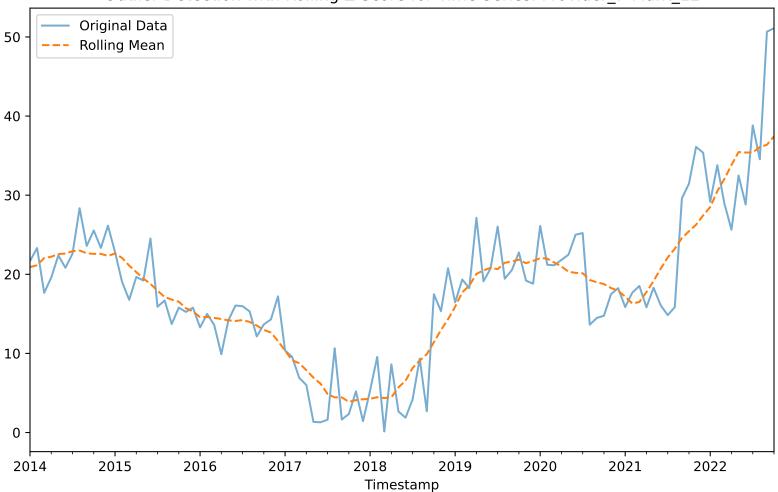
Outlier Detection with Rolling Z-Score for Time Series: Provider\_7-Plant\_10



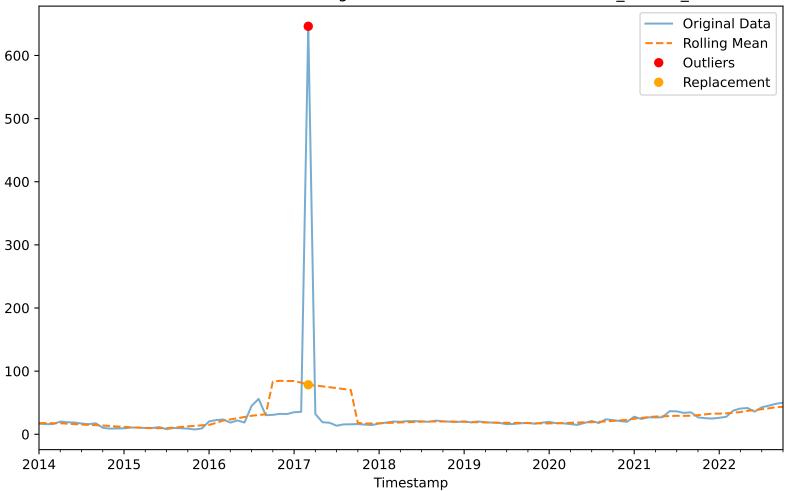
Outlier Detection with Rolling Z-Score for Time Series: Provider\_7-Plant\_11



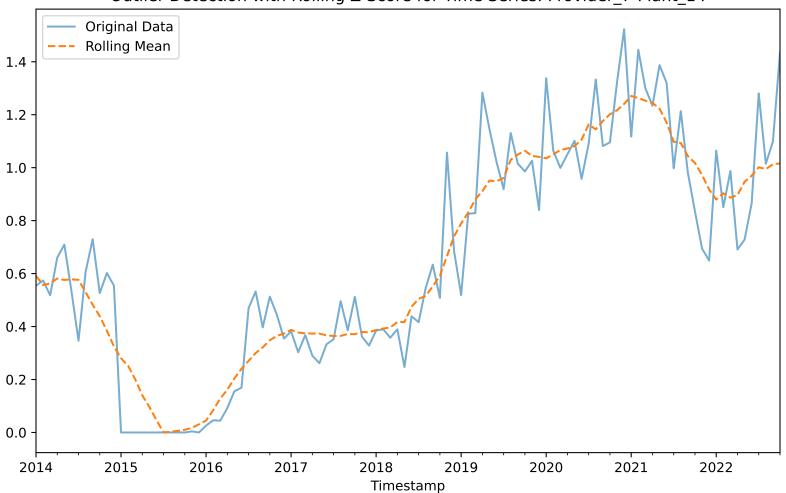
Outlier Detection with Rolling Z-Score for Time Series: Provider\_7-Plant\_12

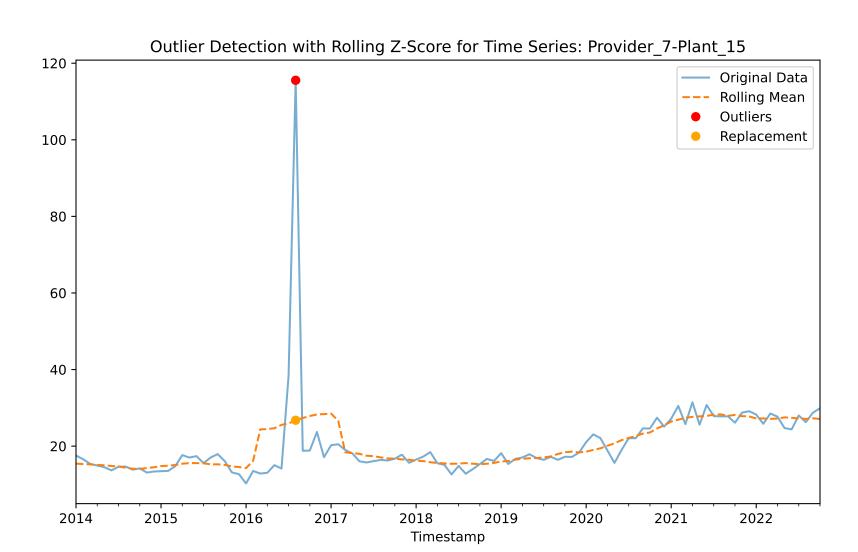


Outlier Detection with Rolling Z-Score for Time Series: Provider\_7-Plant\_13

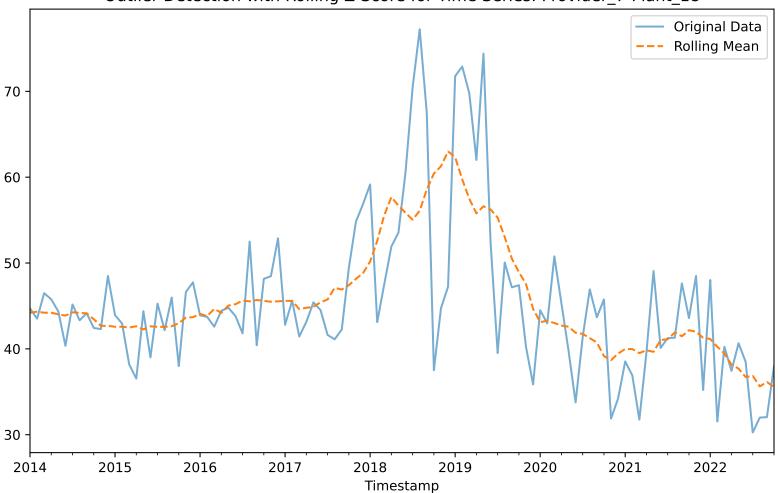


Outlier Detection with Rolling Z-Score for Time Series: Provider\_7-Plant\_14

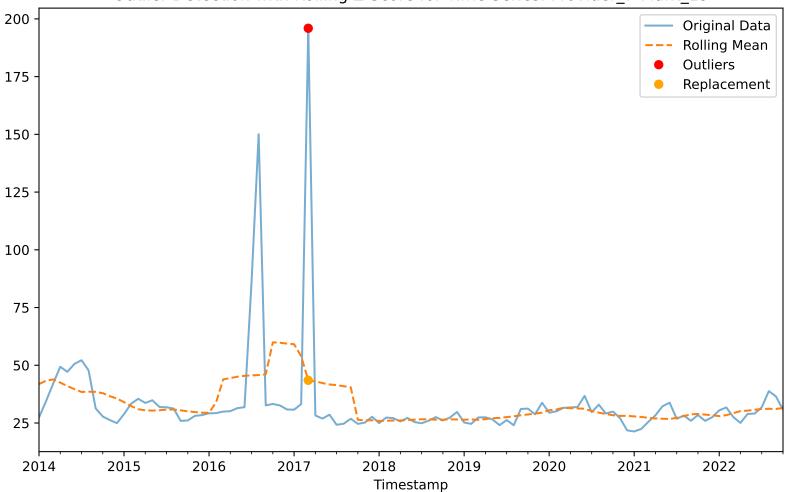




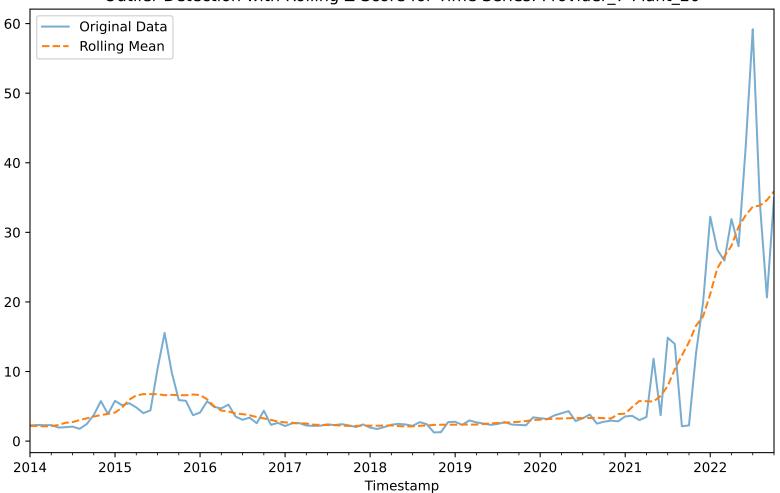
Outlier Detection with Rolling Z-Score for Time Series: Provider\_7-Plant\_18



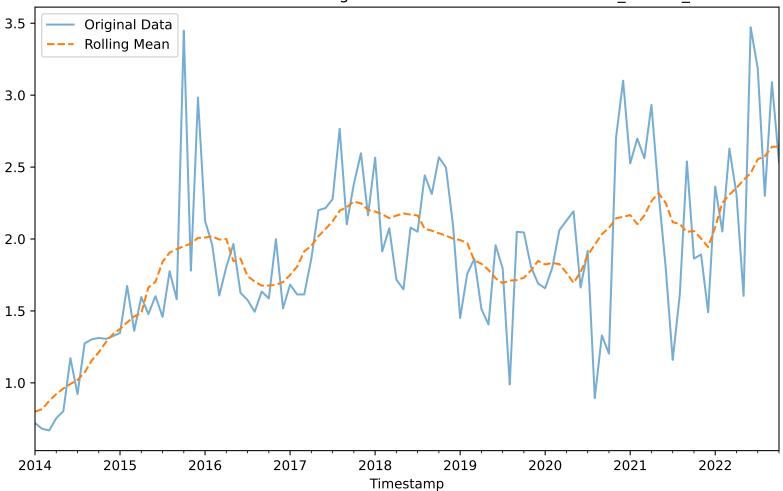
Outlier Detection with Rolling Z-Score for Time Series: Provider\_7-Plant\_19



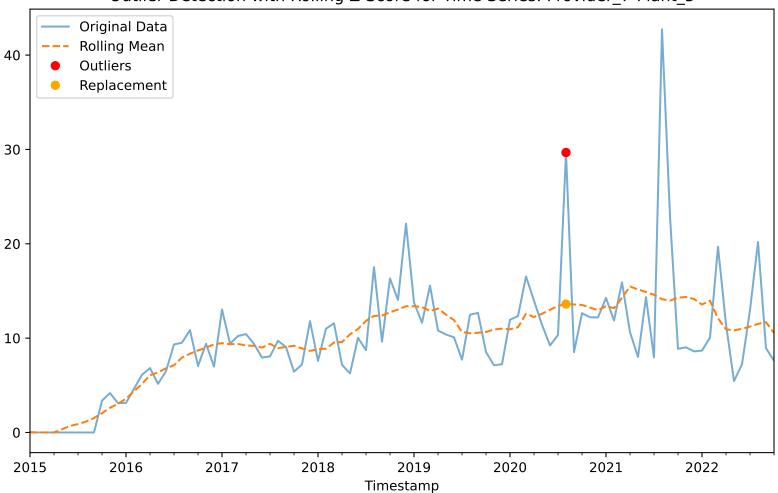
Outlier Detection with Rolling Z-Score for Time Series: Provider\_7-Plant\_20



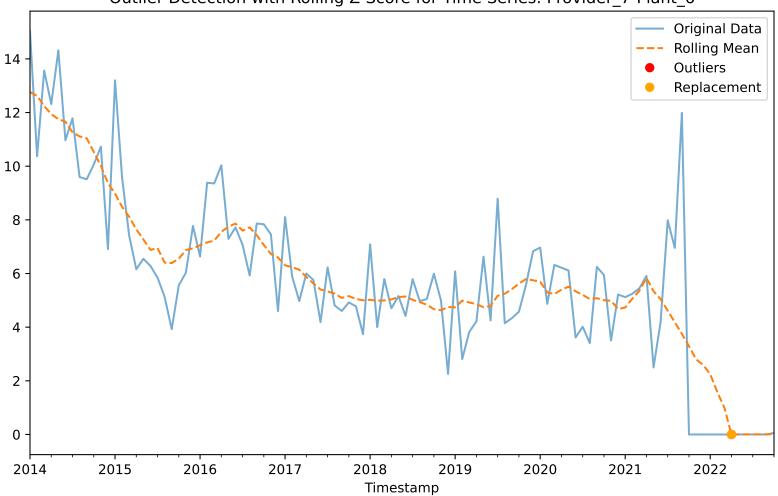
Outlier Detection with Rolling Z-Score for Time Series: Provider\_7-Plant\_4

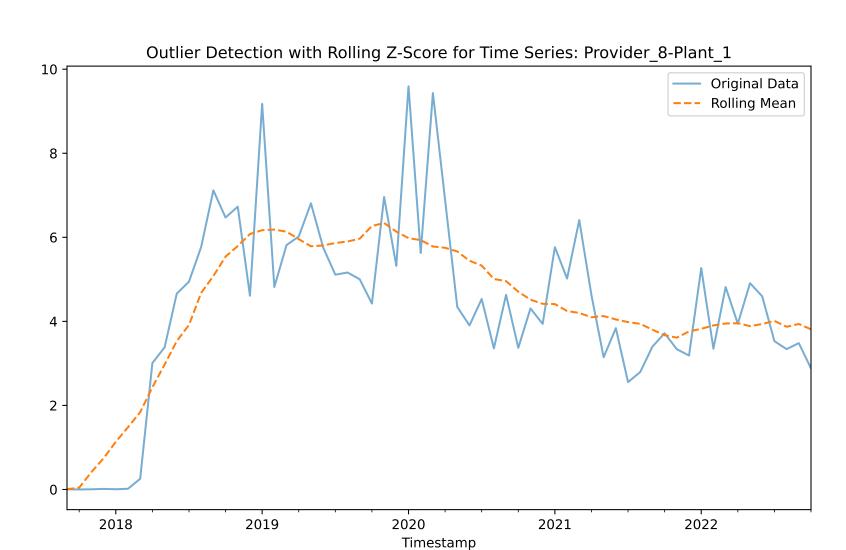


Outlier Detection with Rolling Z-Score for Time Series: Provider\_7-Plant\_5

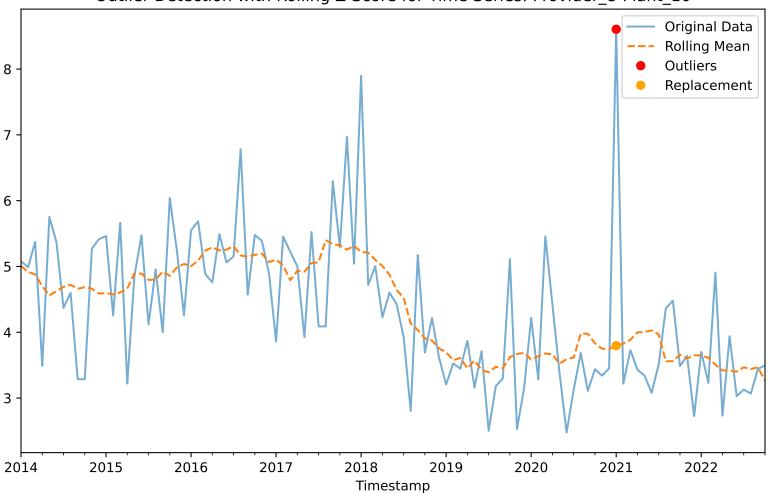


Outlier Detection with Rolling Z-Score for Time Series: Provider\_7-Plant\_6

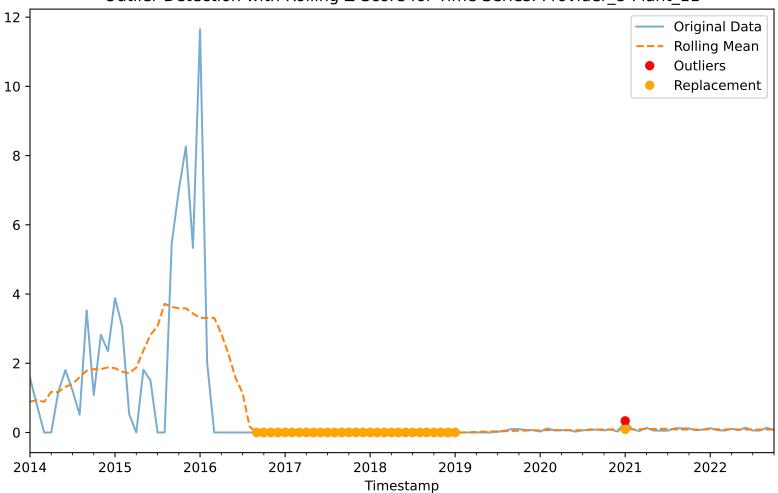


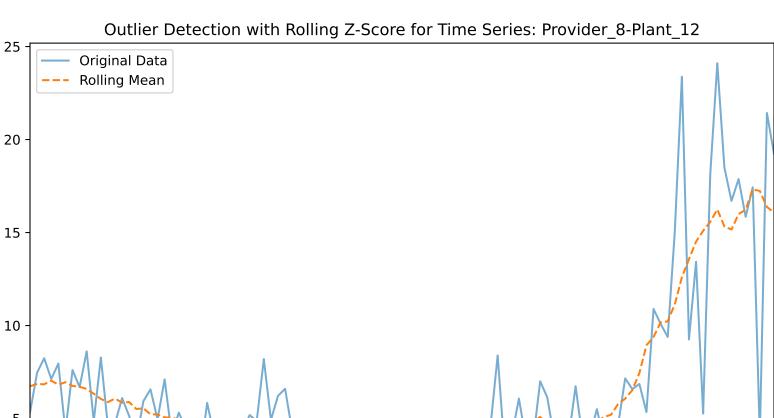


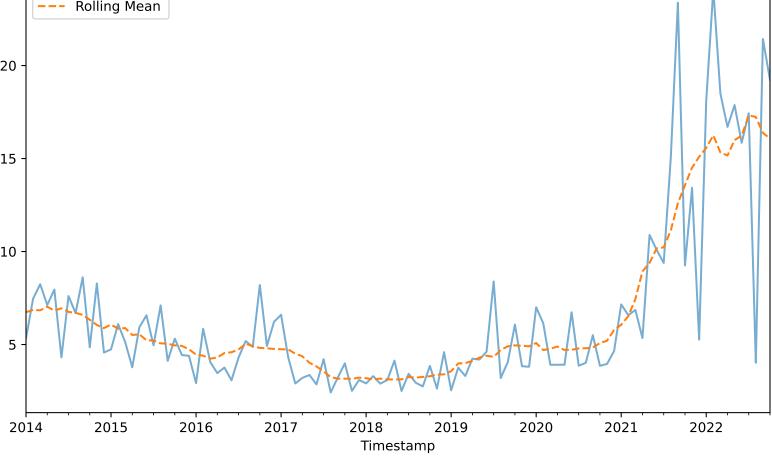
Outlier Detection with Rolling Z-Score for Time Series: Provider\_8-Plant\_10



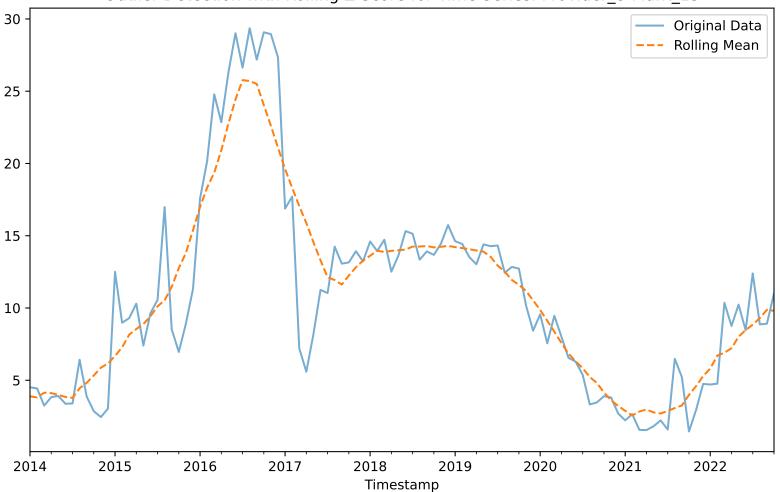
Outlier Detection with Rolling Z-Score for Time Series: Provider\_8-Plant\_11



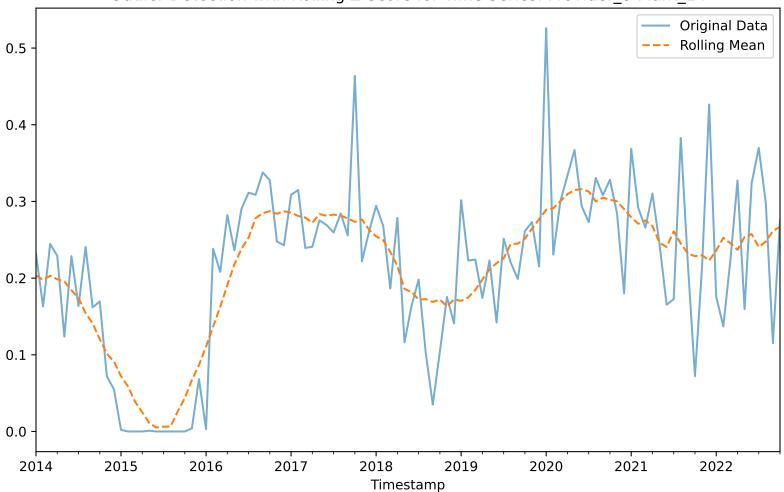




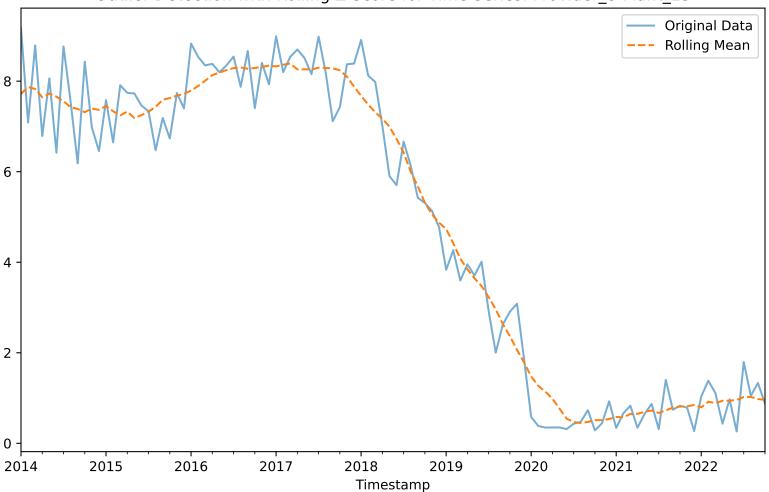
Outlier Detection with Rolling Z-Score for Time Series: Provider\_8-Plant\_13



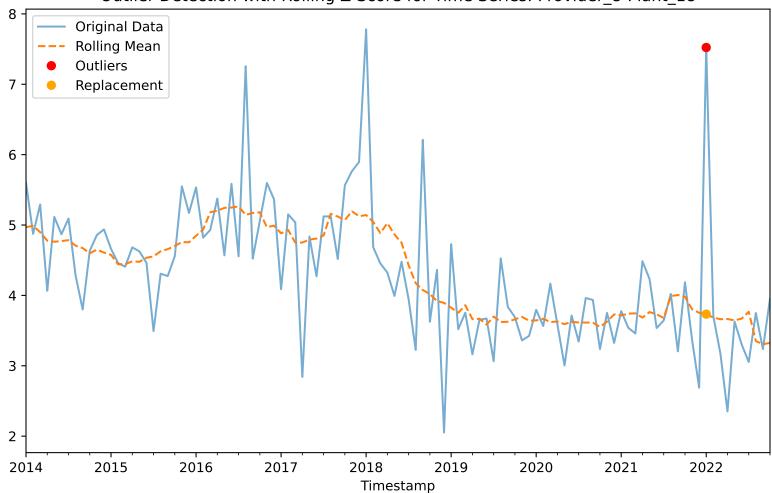
Outlier Detection with Rolling Z-Score for Time Series: Provider\_8-Plant\_14



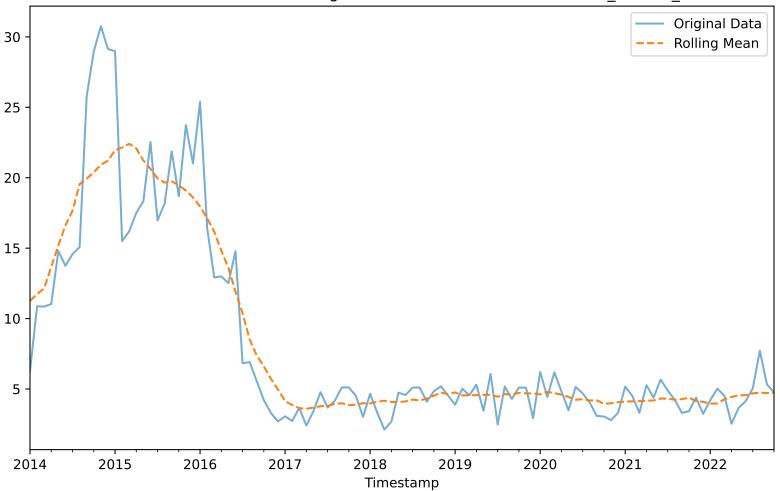
Outlier Detection with Rolling Z-Score for Time Series: Provider\_8-Plant\_15



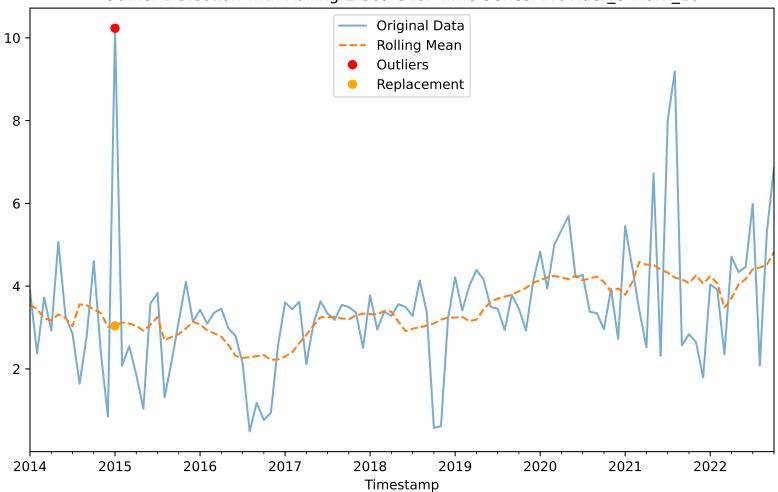
Outlier Detection with Rolling Z-Score for Time Series: Provider\_8-Plant\_18



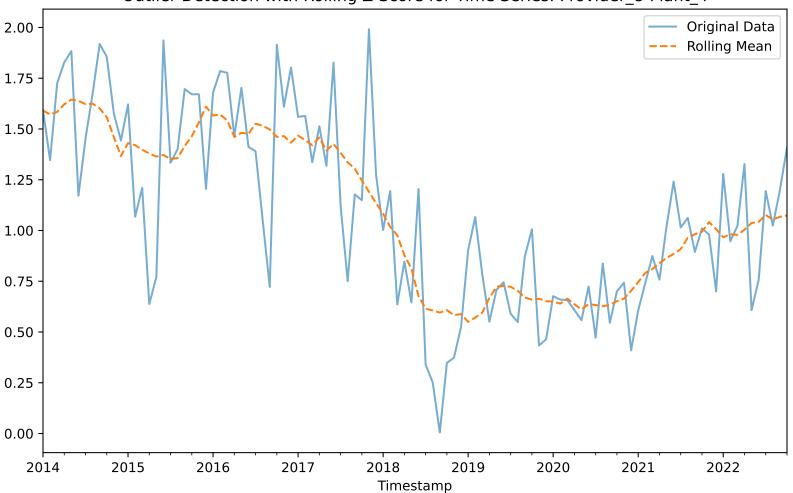
Outlier Detection with Rolling Z-Score for Time Series: Provider\_8-Plant\_19



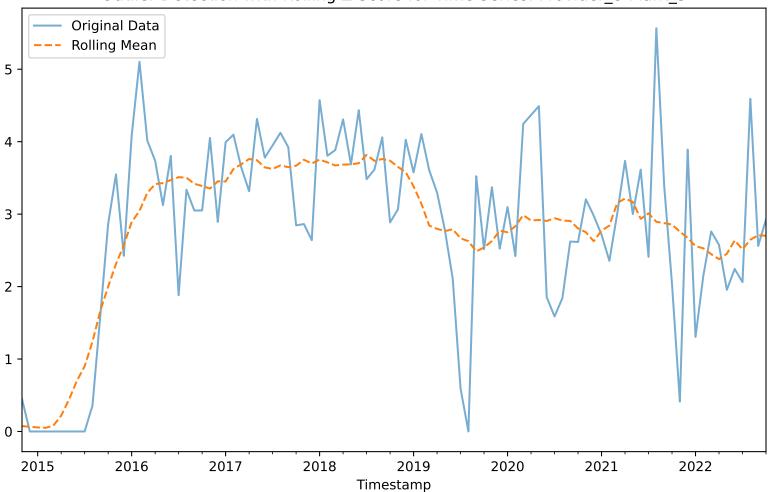
Outlier Detection with Rolling Z-Score for Time Series: Provider\_8-Plant\_20



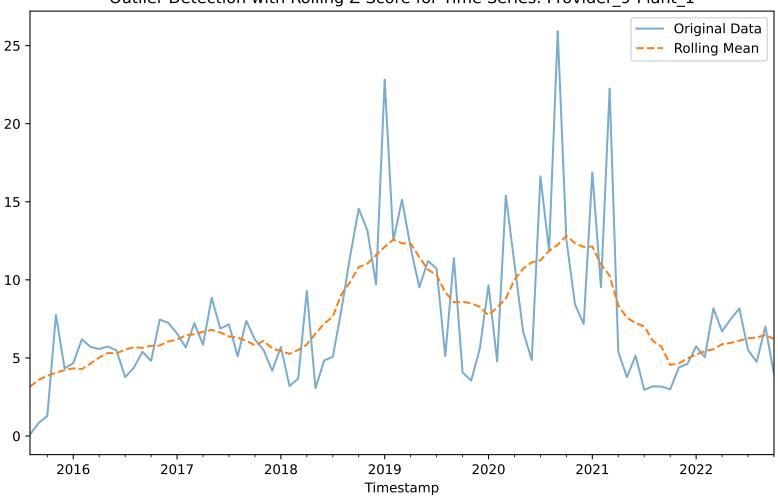
Outlier Detection with Rolling Z-Score for Time Series: Provider\_8-Plant\_4



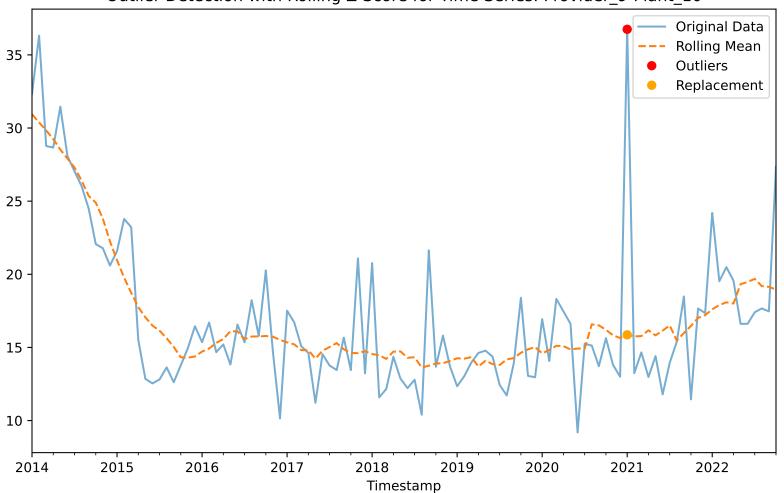
Outlier Detection with Rolling Z-Score for Time Series: Provider\_8-Plant\_5



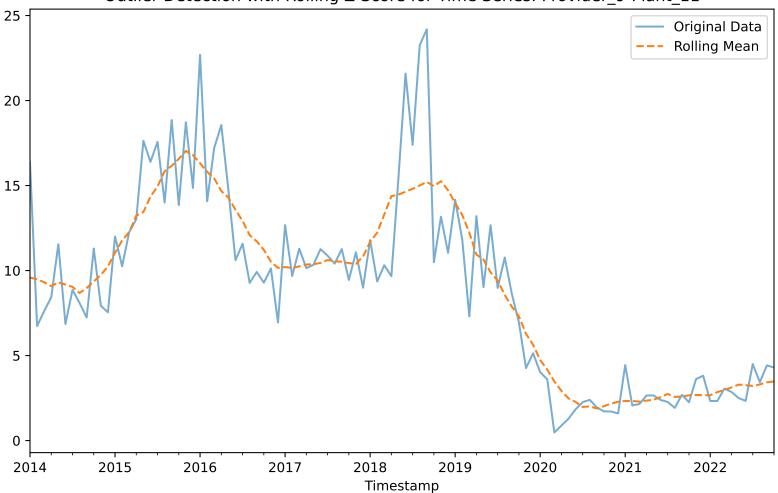
Outlier Detection with Rolling Z-Score for Time Series: Provider\_9-Plant\_1



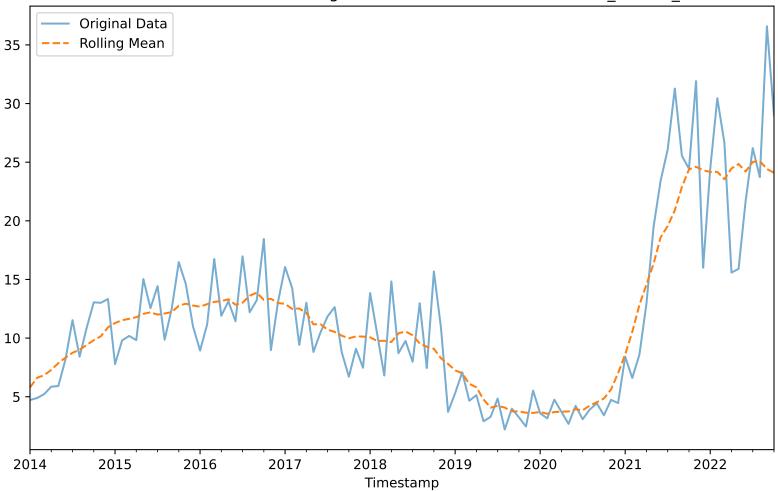
Outlier Detection with Rolling Z-Score for Time Series: Provider\_9-Plant\_10



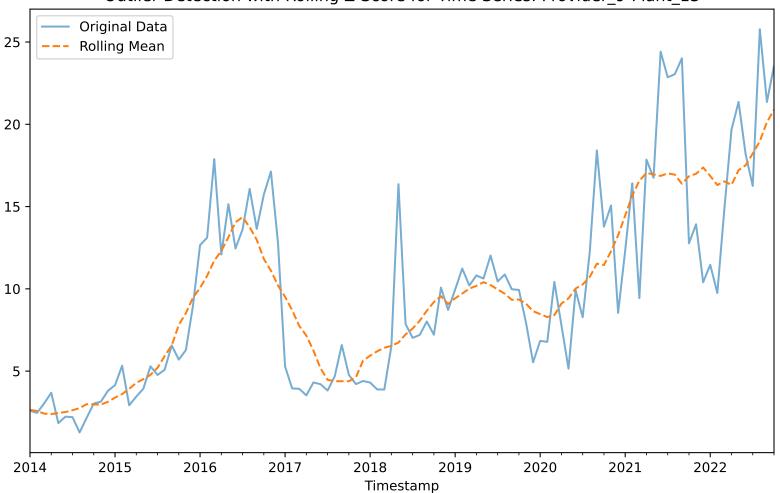
Outlier Detection with Rolling Z-Score for Time Series: Provider\_9-Plant\_11



Outlier Detection with Rolling Z-Score for Time Series: Provider\_9-Plant\_12



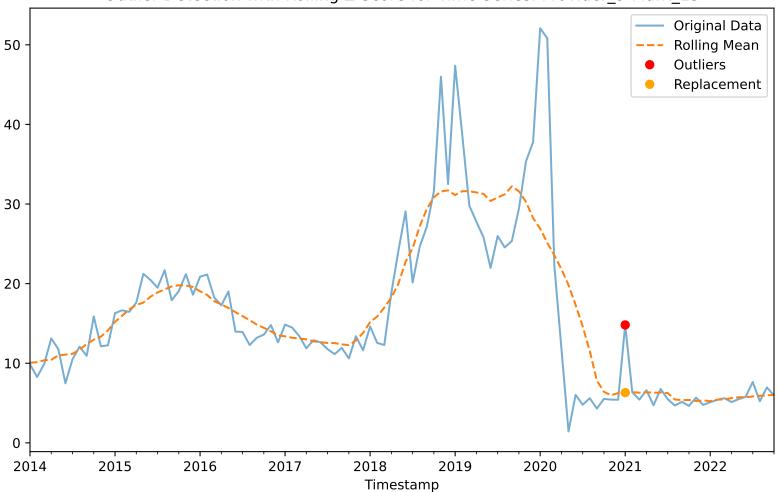
Outlier Detection with Rolling Z-Score for Time Series: Provider\_9-Plant\_13



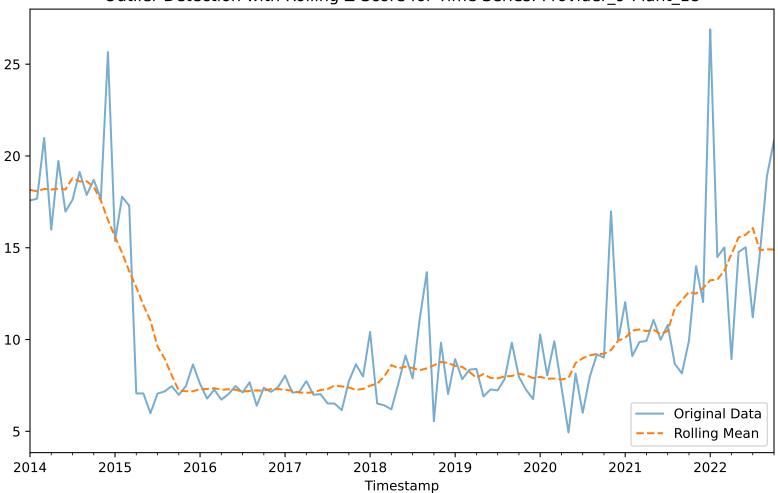
Outlier Detection with Rolling Z-Score for Time Series: Provider\_9-Plant\_14 Original Data Rolling Mean 

Timestamp

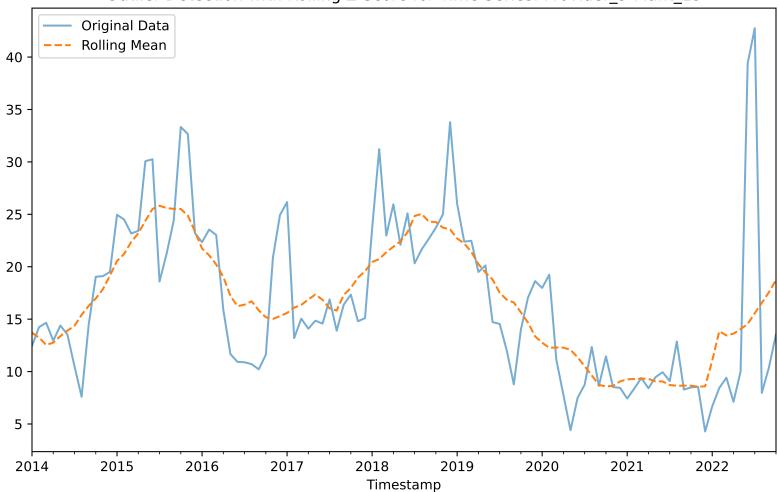
Outlier Detection with Rolling Z-Score for Time Series: Provider\_9-Plant\_15



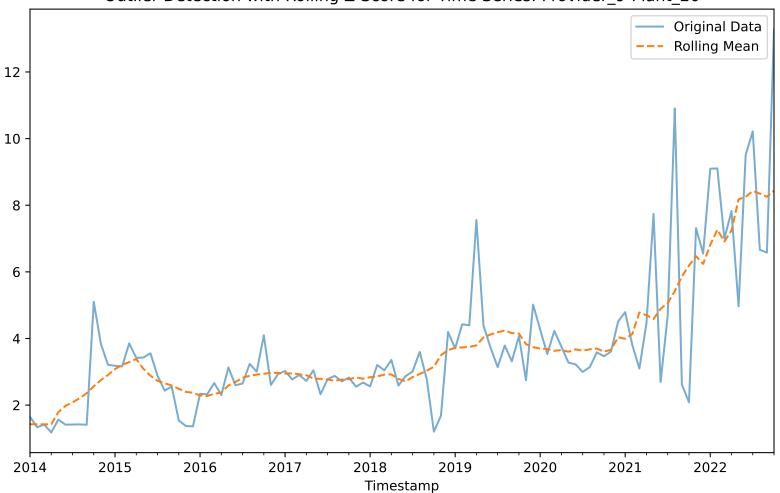
Outlier Detection with Rolling Z-Score for Time Series: Provider\_9-Plant\_18



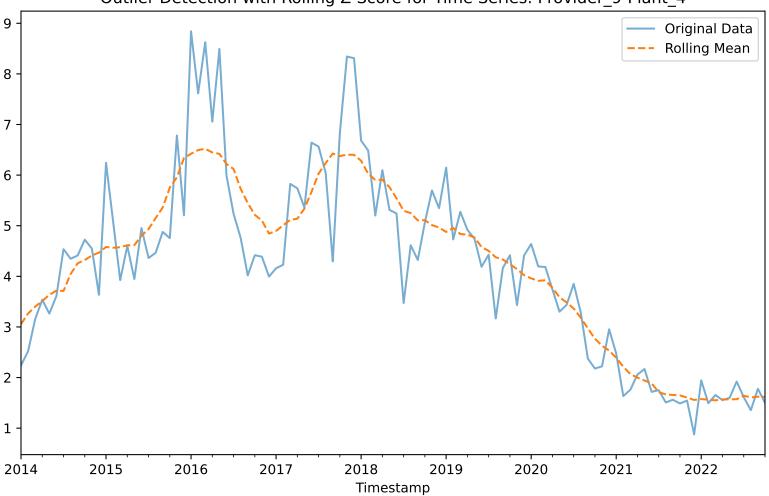
Outlier Detection with Rolling Z-Score for Time Series: Provider\_9-Plant\_19



Outlier Detection with Rolling Z-Score for Time Series: Provider\_9-Plant\_20



Outlier Detection with Rolling Z-Score for Time Series: Provider\_9-Plant\_4



Outlier Detection with Rolling Z-Score for Time Series: Provider\_9-Plant\_5

