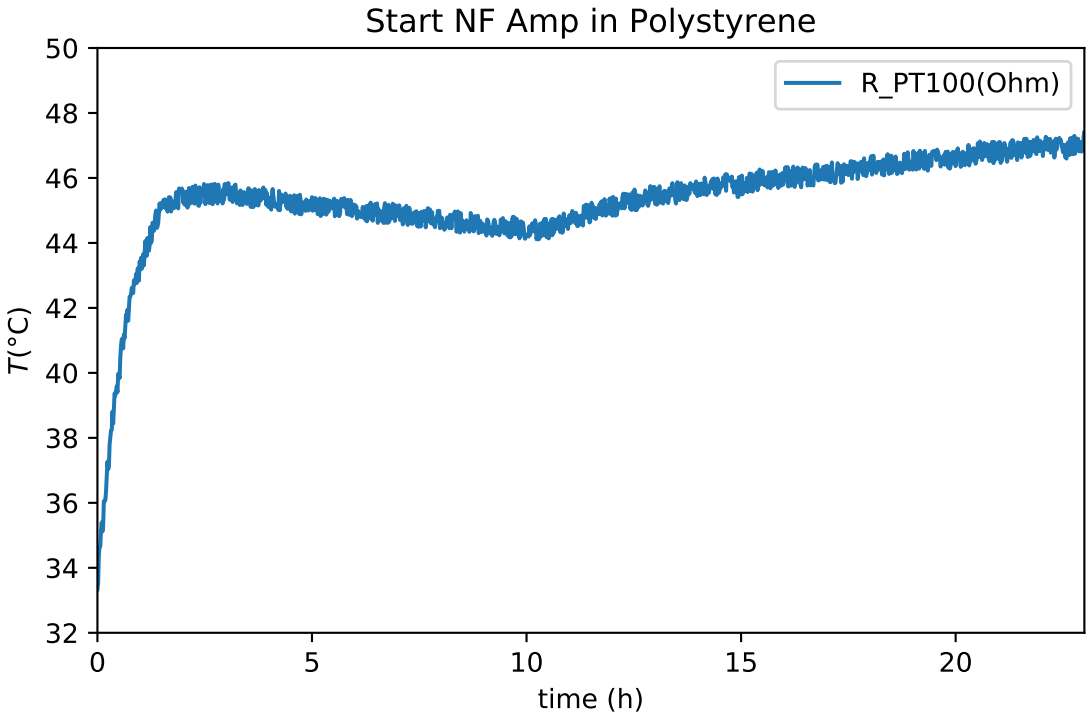
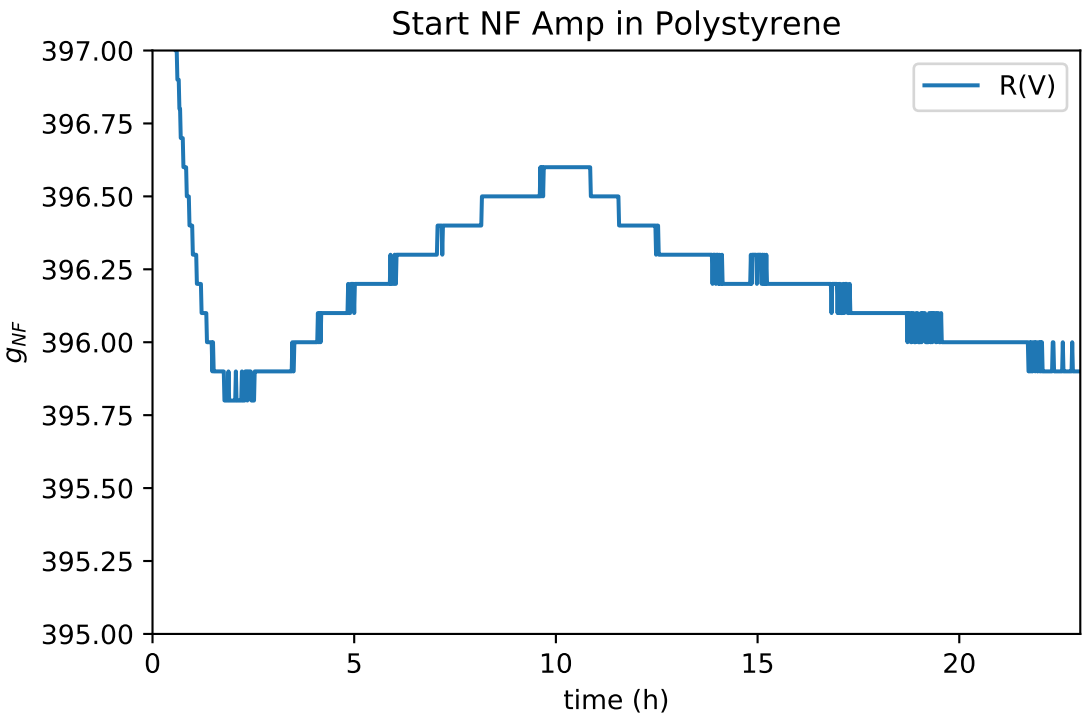
# Analysis RT stabilty NF amp in Polystyrene

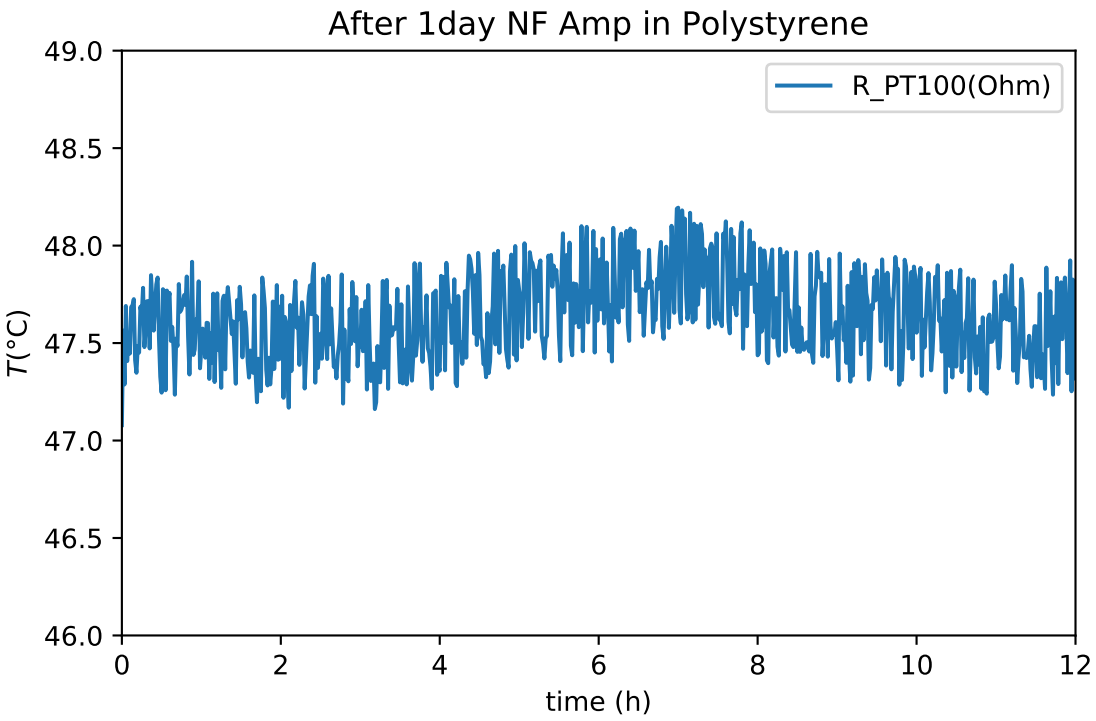
December 15, 2017

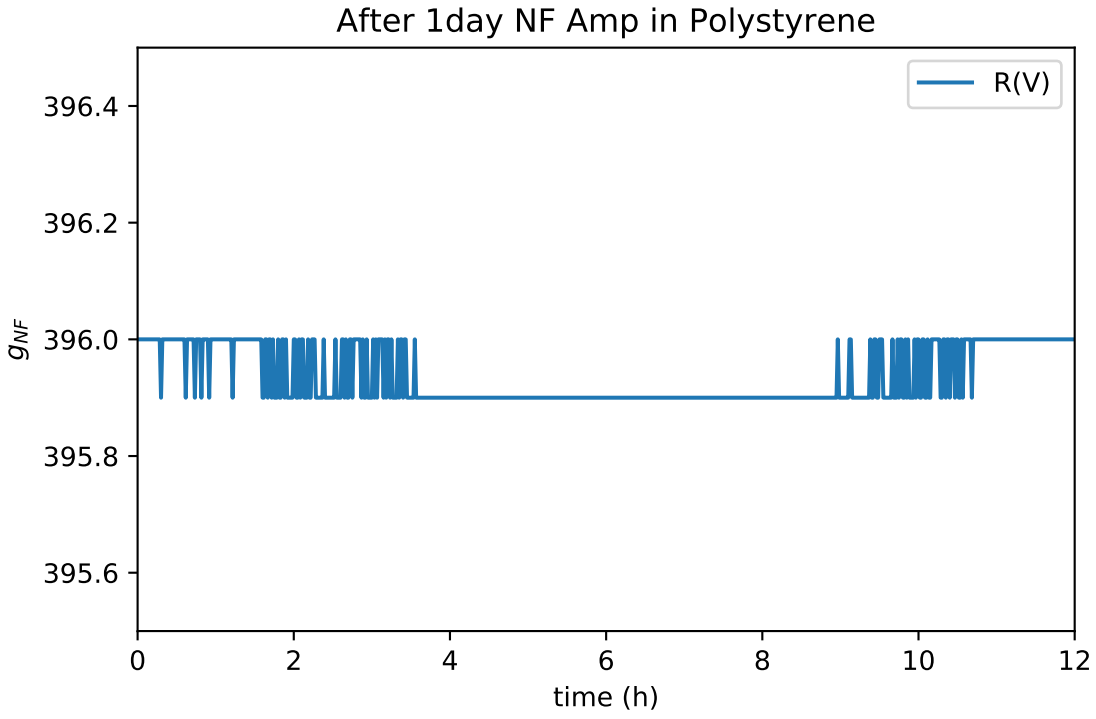
In [10]:
```
from analysis import spec
data = spec(fname='Temp_RT_StabilityTempThermalShield.h5')
start = 'Start NF Amp in Polystyrene'
data.plot1D(figNo=1, readouts=[1], xaxisRange=[0,23], ylaw=True,
yaxisRange=[32,50], xfactor=1/60.0, counter=True,
ylabel=r'$T_{PT100}$ ($\ř$ C)',xlabel='time (h)', title=start)
data.plot1D(figNo=2, readouts=[5], xaxisRange=[0,23],
xfactor=1/60.0, yaxisRange=[395,397], counter=True,
yfactor=1000.0,ylabel=r'$g_{NF}$',xlabel='time (h)', title=start)
```






```
In [11]: from analysis import spec
         data2 = spec(fname='Temp_201712141200.h5')
         day = 'After 1day NF Amp in Polystyrene'
         data2.plot1D(figNo=3, readouts=[1], xaxisRange=[0,12],
         ylaw=True, yaxisRange=[46,49], xfactor=1/60.0,
         counter=True, ylabel=r'$T_{PT100}$ ($\ř$ C)',xlabel='time (h)', title=day)
         data2.plot1D(figNo=4, readouts=[5], xaxisRange=[0,12],
         xfactor=1/60.0, yaxisRange=[395.5,396.5],
         counter=True, yfactor=1000.0,
         ylabel=r'$g_{NF}$',xlabel='time (h)',title=day)
```


After 1day NF Amp in Polystyrene
R_PT100(Ohm)
T(°C)
time (h)
49.0
48.5
48.0
47.5
47.0
46.5
46.0
0
2
4
6
8
10
12


After 1day NF Amp in Polystyrene
R(V)
$g_{NF}$
time (h)
396.4
396.2
396.0
395.8
395.6
0
2
4
6
8
10
12