

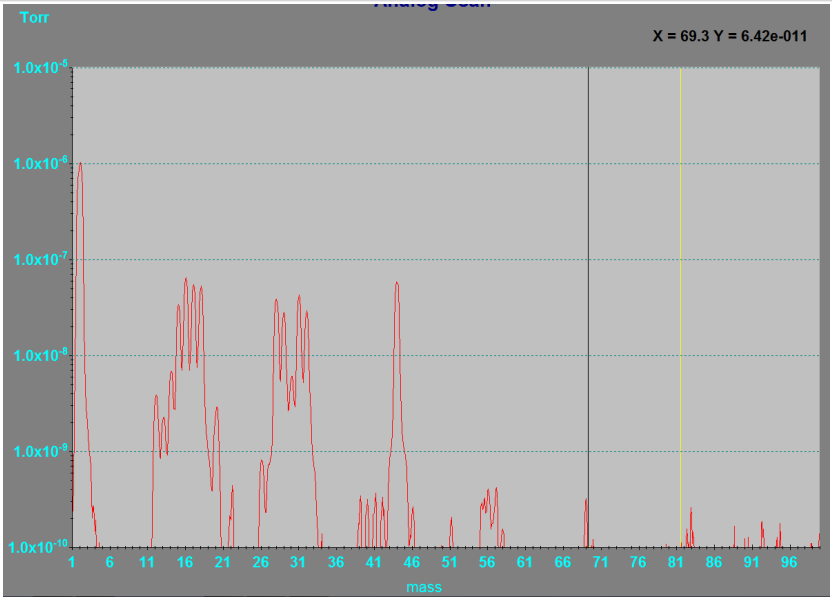
RGA spectra

Thursday, December 21, 2017 2:34 PM

Below I am going to save plots from the RGA and link the individual pictures on the primary vacuum table

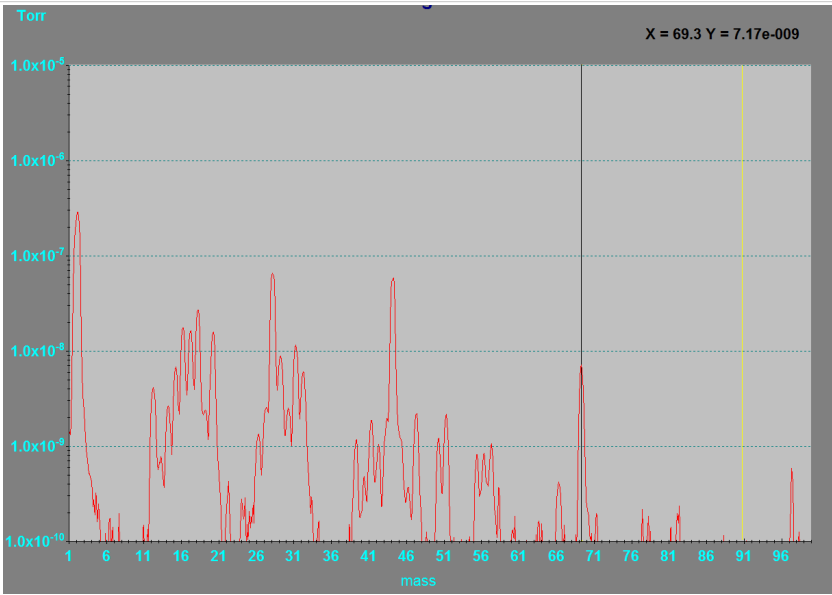
2017.12.22  
1911

Day before the bake



2017.12.23  
1341

Day 1 into the bake  
Taken without electron multiplier



2017.12.24  
NA

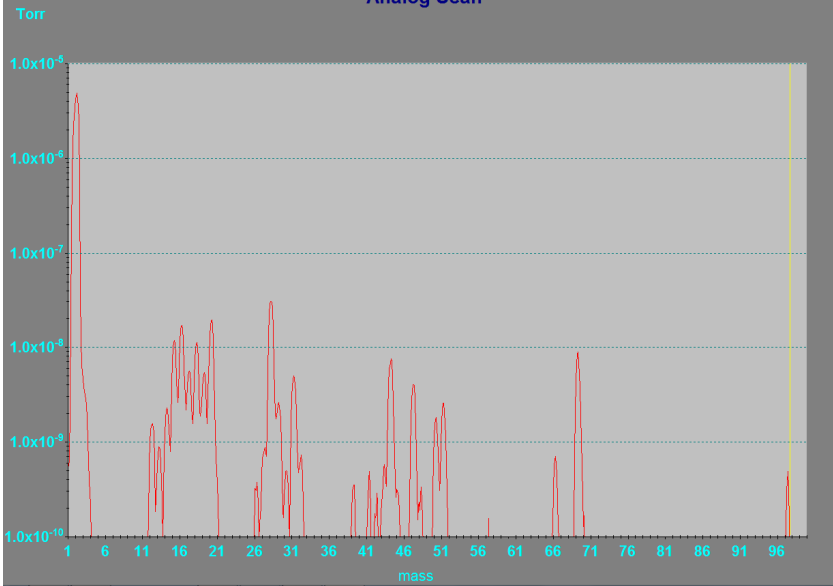
Scan unavailable

2017.12.25  
NA

Scan unavailable

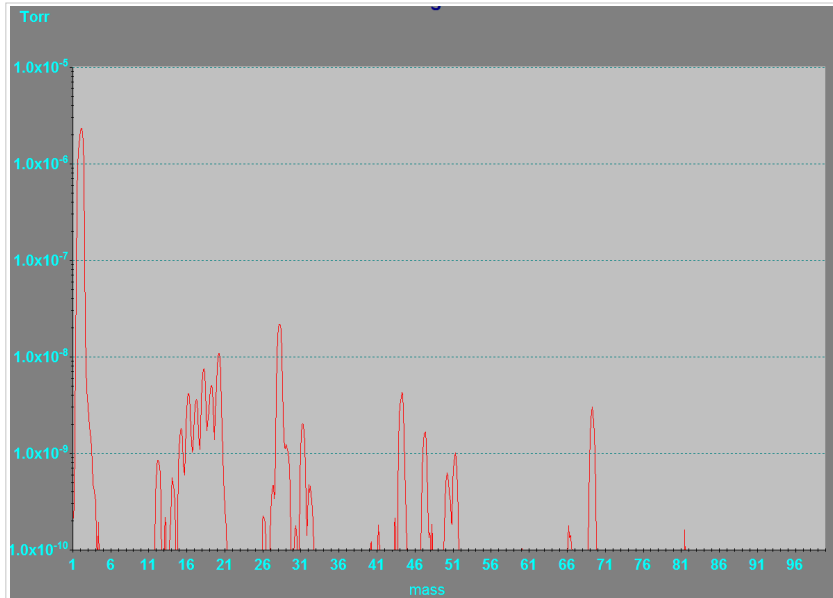
2017.12.26  
1702

Day 4 into the bake  
Taken without electron multiplier

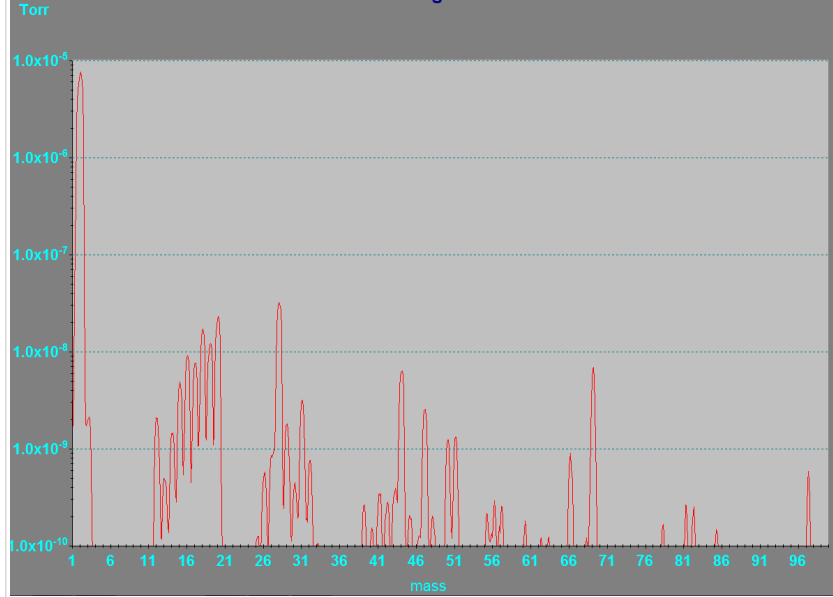


2017.12.27  
1557

Day 5 into the bake  
First scan taken without electron multiplier, second scan turn it on



Turned on electron multiplier. Scan taken just after the above one



2017.12.28

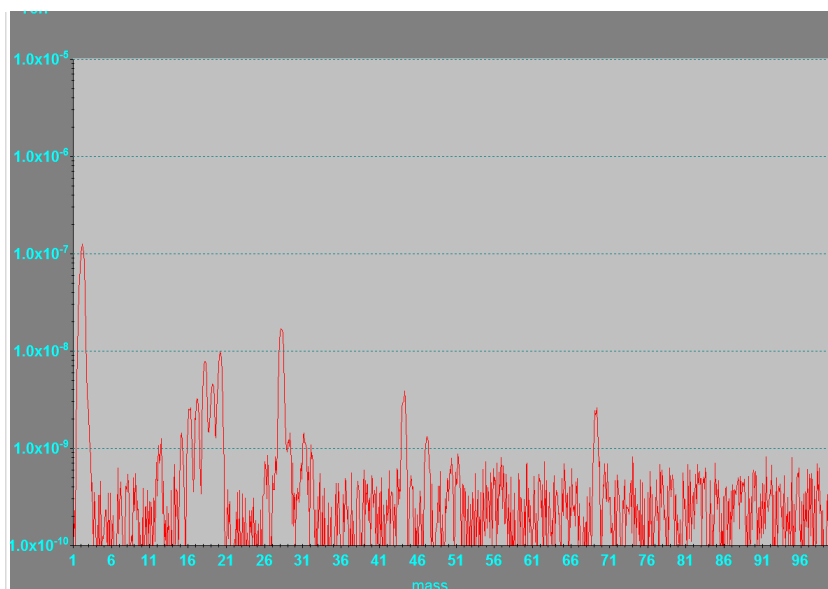


1351

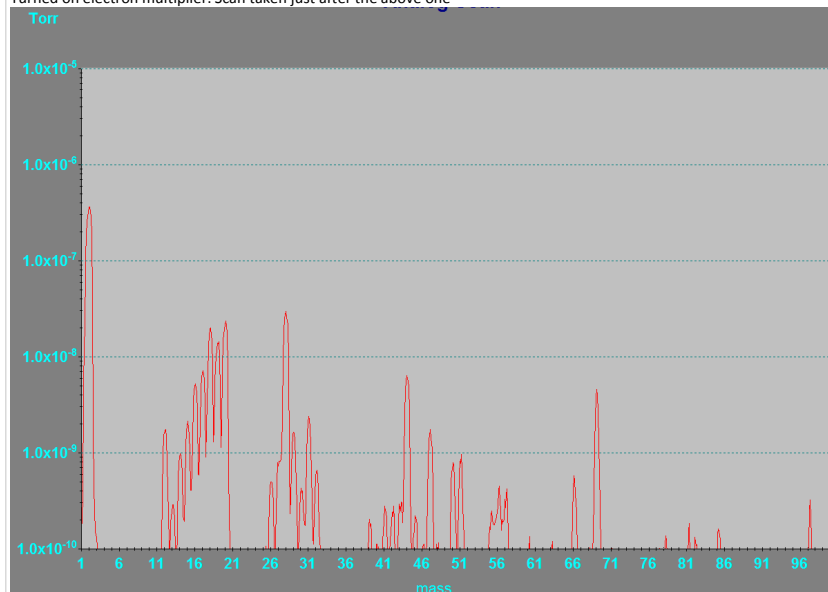
Day 6 into the bake

First scan taken without electron multiplier, second scan turn it on

Not sure why the first scan is so noisy but repeated scans consistently showed this noise. Could be because I had just started cycling the Ti Sub?



Turned on electron multiplier. Scan taken just after the above one



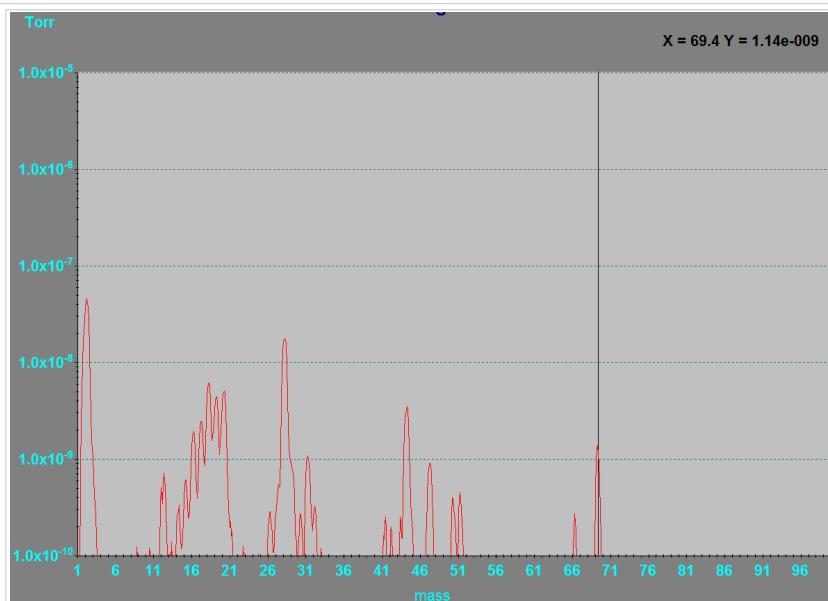
2017.12.29

1112

Day 7 into the bake

First scan taken without electron multiplier, second scan turn it on

I think I figured out why the first scan yesterday was so noisy. It seems that if you don't reapply the scan speed setting the scan happens very quickly and this causes a lot of noise with the baseline. I saw this when I took the first scan this morning and noticed the scan happening rapidly. After reapplying the scan parameters of 10 pnts per amu and and speed of 3, I was apply to get a nice quiet baseline. So I do not think cycling the Ti Sub has a significant impact on the constituent gases measured in the chamber.

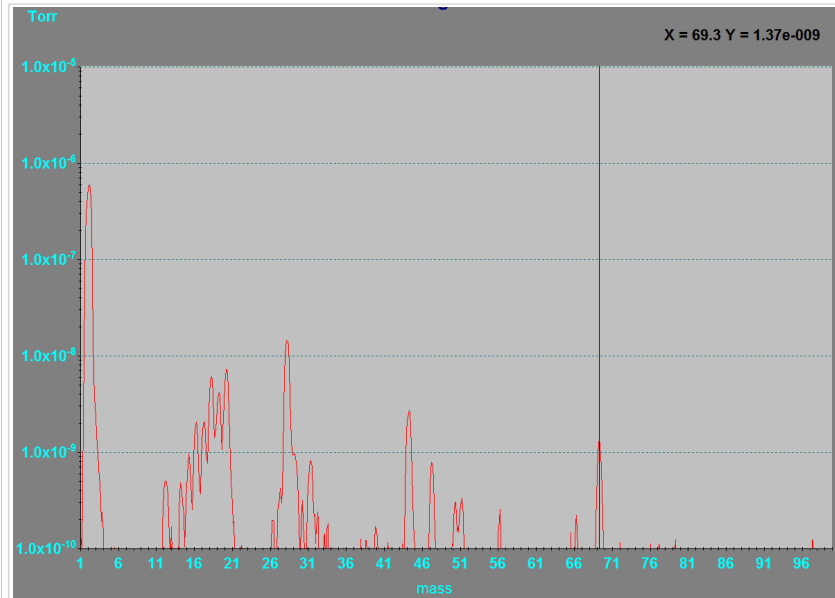
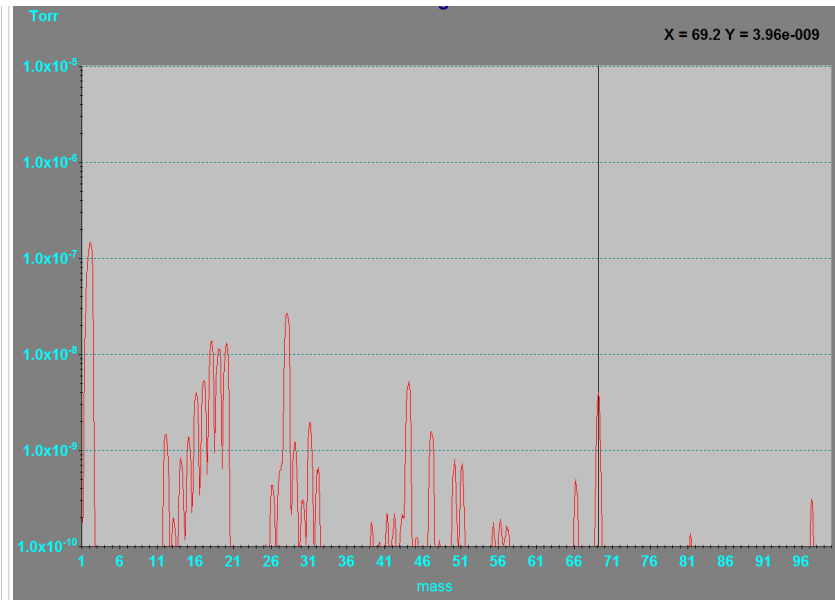


Turned on electron multiplier. Scan taken just after the above one

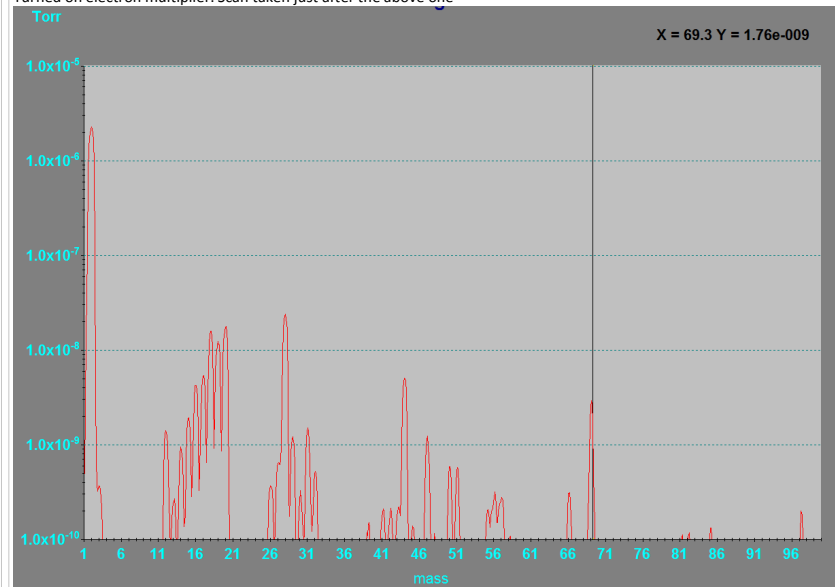
2017.12.29  
1658

Day 7 into the bake with Heater settings #2  
First scan taken without electron multiplier, second scan turn it on

2017.12.30



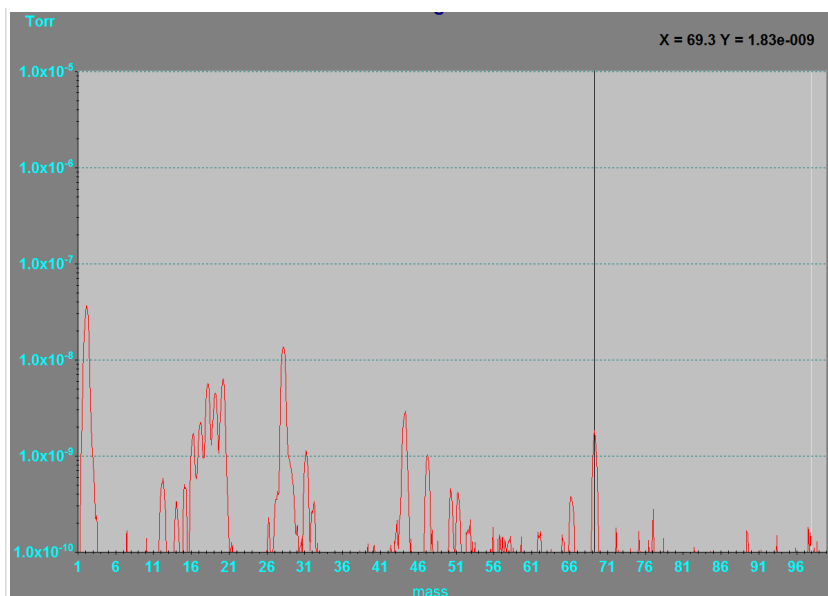
Turned on electron multiplier. Scan taken just after the above one



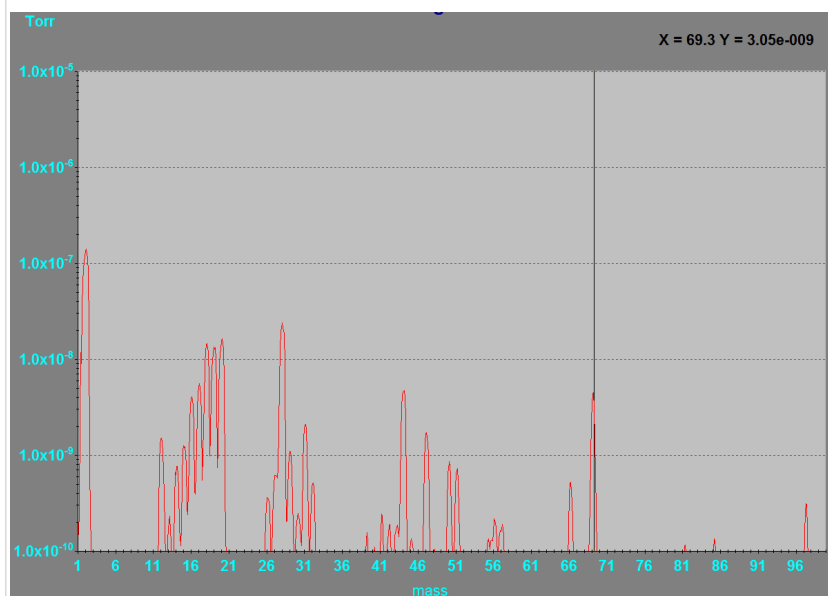
1933

Day 8 into the bake with Heater settings #2

First scan taken without electron multiplier, second scan turn it on



Turned on electron multiplier. Scan taken just after the above one

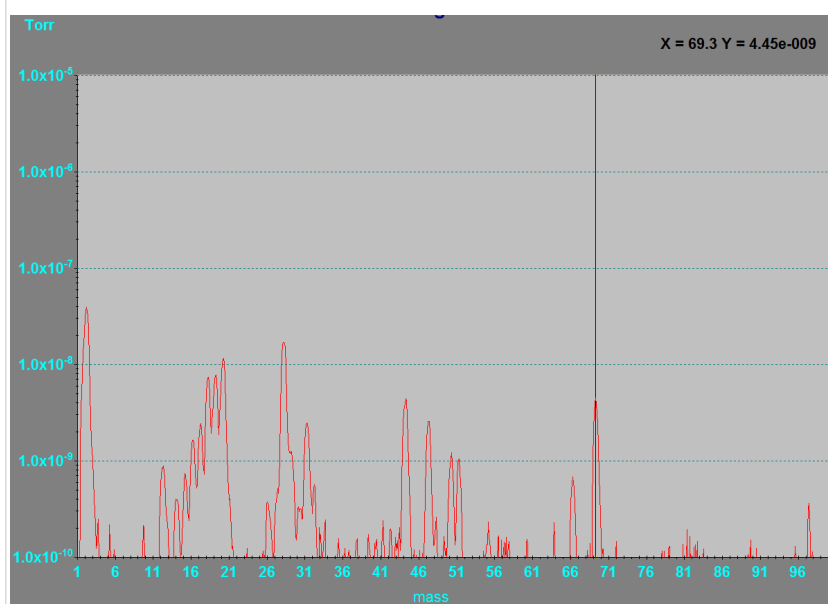


2018.01.02

0927

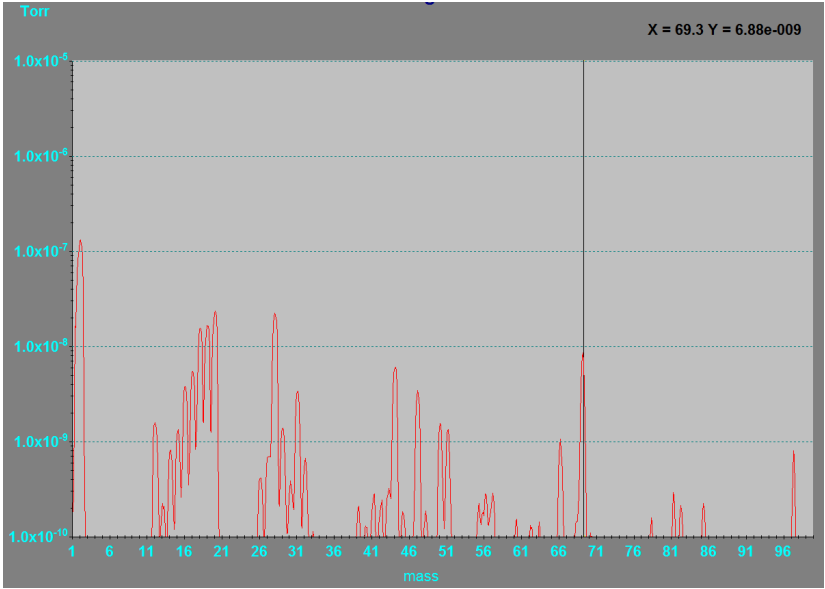
Day 11 into the bake with Heater settings #2

First scan taken without electron multiplier, second scan turn it on



2018.01.02  
1746  
  
5 hours after turning off the heaters on the chamber

Turned on electron multiplier. Scan taken just after the above one



With electron multiplier (did not take one without)

