



**MAINTENANCE TRACKING TOOL**  
**PETTRACE800**

Date:2023-09-28

<b>Country:</b> Germany	<b>Site:</b> BON
<b>Intervention:</b>	Programmed maintenance: UBM/CBM <input checked="" type="checkbox"/>
<b>Subsystems:</b>	

**Ion Source**

Record H2 gas pressure

Set point [bar]	Reading at MFC [bar]

Turn on Magnet, set probe in, turn on RF, turn on gas.

Magnet current [A]	DEE1 voltage [kV]	DEE2 voltage [kV]	Gas flow [sccm]	If ion source was maintained, perform ion source conditioning (ramp up from 30 mA to 100 mA in 30 minutes and from 100mA to 200mA in 10 minutes)

**Record Ion Source Performance**

IS current [mA]	IS voltage [V]	Flip in probe current [µA]
10.0	1059.0	0.10000000000000001
20.0	1223.0	2.5
30.0	1246.0	6.7000000000000002
50.0	1327.0	23.300000000000001
60.0	1313.0	38.200000000000003
70.0	1264.0	59.600000000000001
80.0	1209.0	83.0
90.0	1148.0	106.0
100.0	1088.0	130.0
130.0	950.0	210.0
150.0	950.0	210.0
170.0	815.0	300.0
200.0	750.0	360.0

