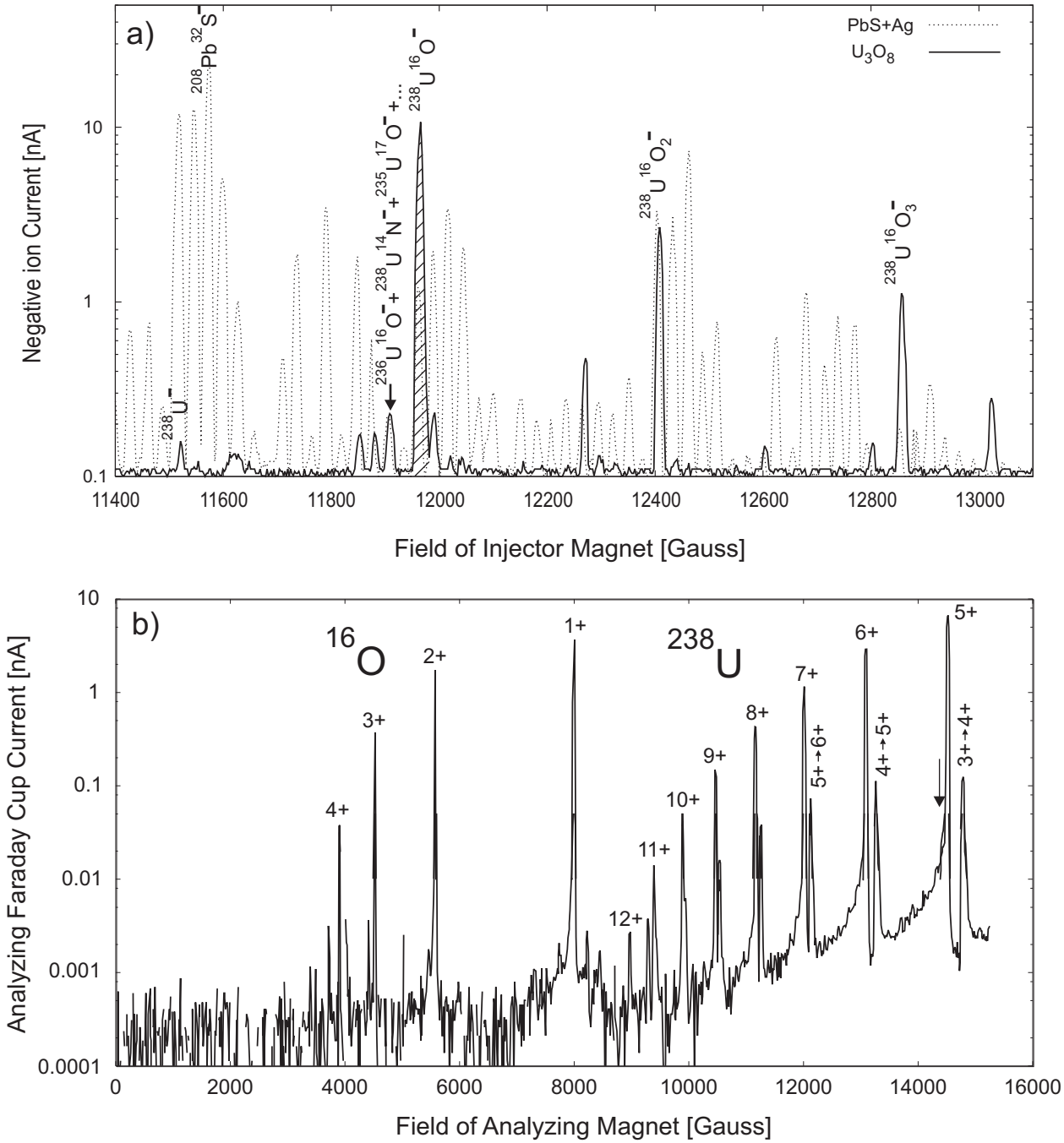
a)
PbS+Ag
U_3O_8
$^{208}Pb^{32}S^-$
$^{238}U^-$
$^{236}U^{16}O^-$
$^{238}U^{14}N^-$
$^{235}U^{17}O^-$+...
$^{238}U^{16}O^-$
$^{238}U^{16}O_2^-$
$^{238}U^{16}O_3^-$
Negative ion Current [nA]
Field of Injector Magnet [Gauss]
b)
^{16}O
^{238}U
1+
2+
3+
4+
5+
6+
7+
8+
9+
10+
11+
12+
5+→6+
4+→5+
3+→4+
Analyzing Faraday Cup Current [nA]
Field of Analyzing Magnet [Gauss]