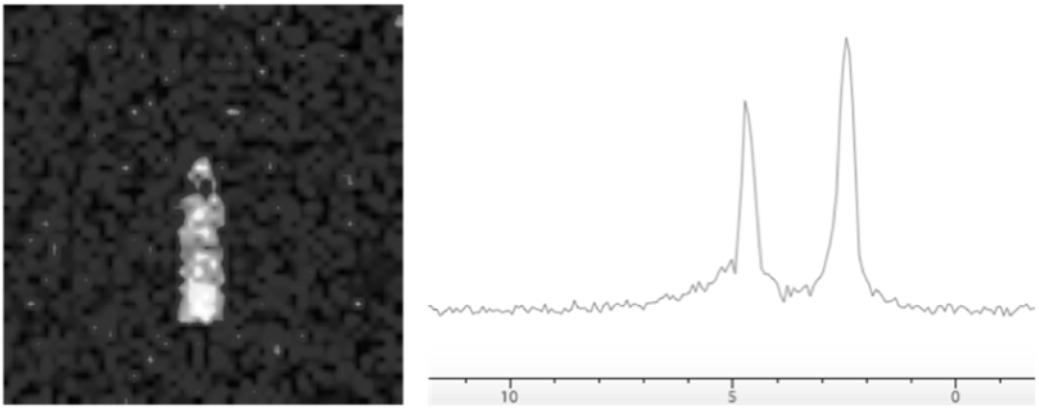
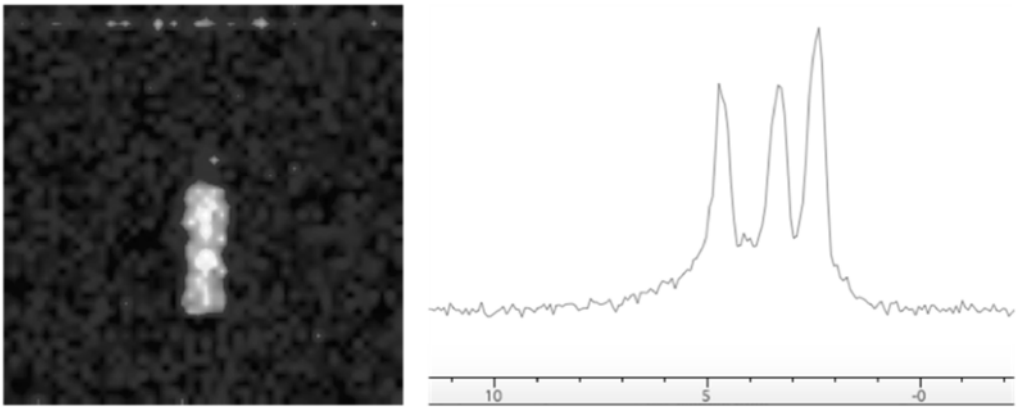
a) sarcosine-4,4,4-d_3



b) sarcosine-2,2,4,4,4-d_5



c) mixture of sarcosine-2,2-d_2 and sarcosine-4,4,4-d_3

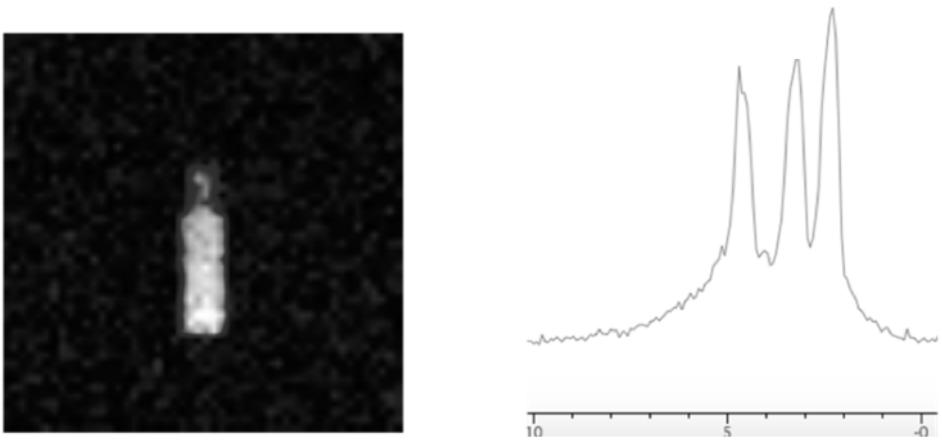


Fig.1

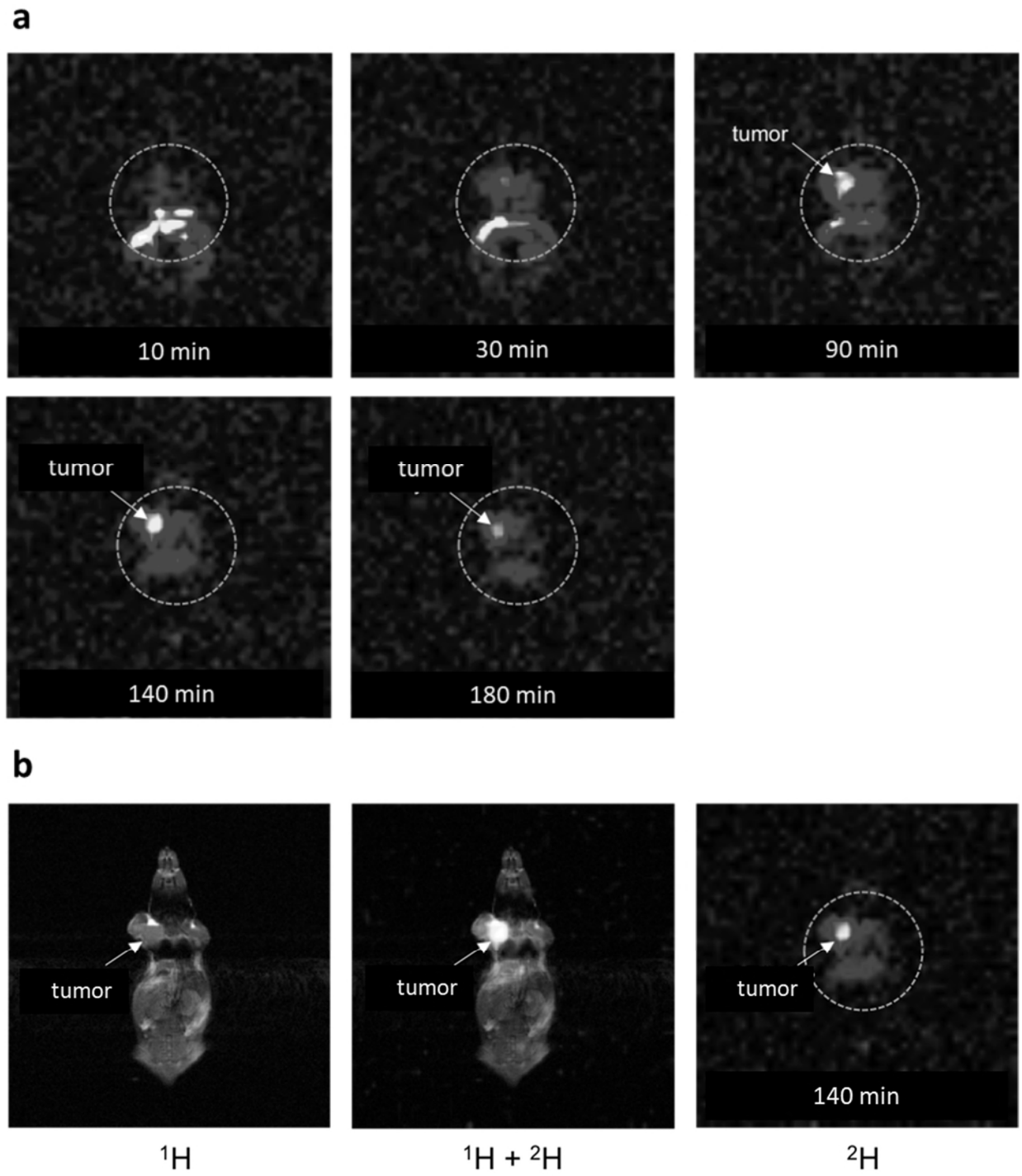

a
10 min
30 min
tumor
90 min
tumor
140 min
tumor
180 min
b
tumor
tumor
tumor
140 min
^{1}H
$^{1}H + ^{2}H$
^{2}H

Fig.2

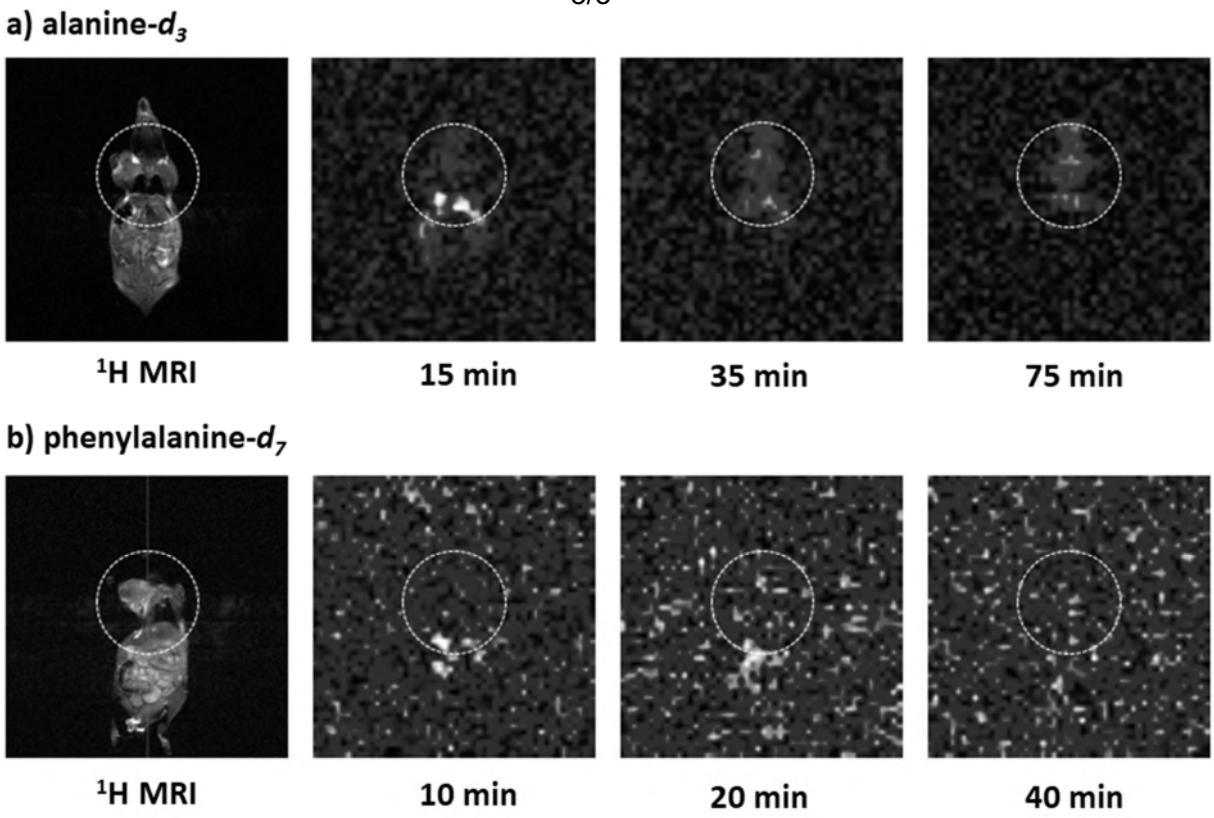

a) alanine-d_3
^{1}H MRI
15 min
35 min
75 min
b) phenylalanine-d_7
^{1}H MRI
10 min
20 min
40 min

Fig.3