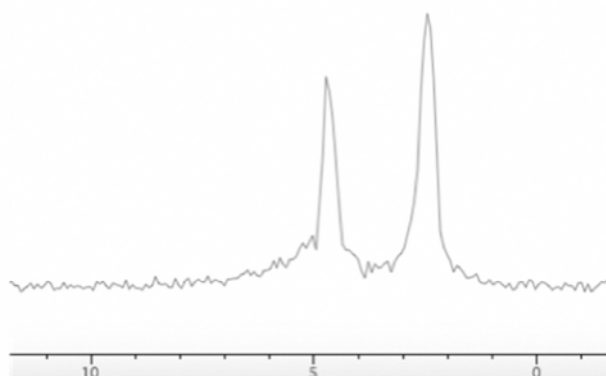
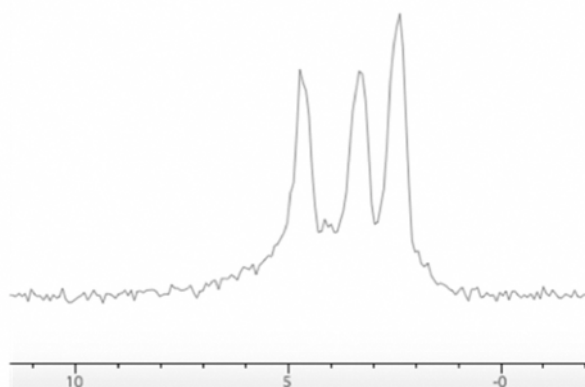


a) sarcosine-4,4,4-d₃



b) sarcosine-2,2,4,4,4-d₅



c) mixture of sarcosine-2,2-d₂ and sarcosine-4,4,4-d₃

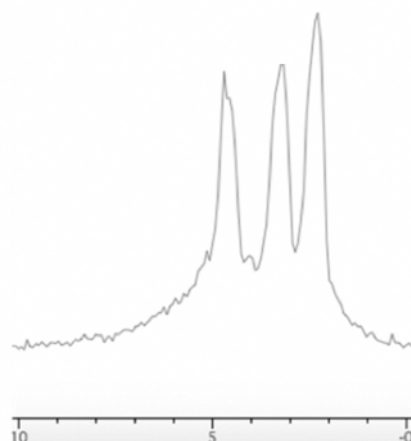
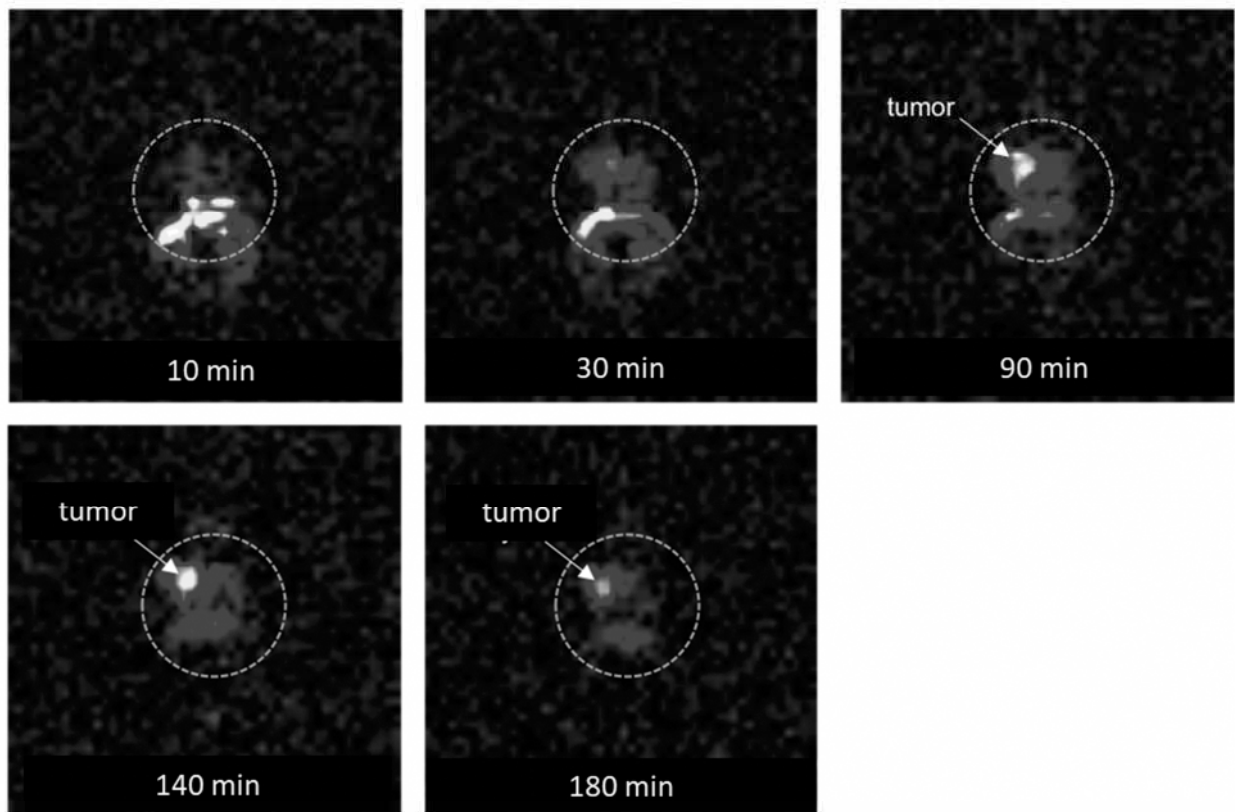
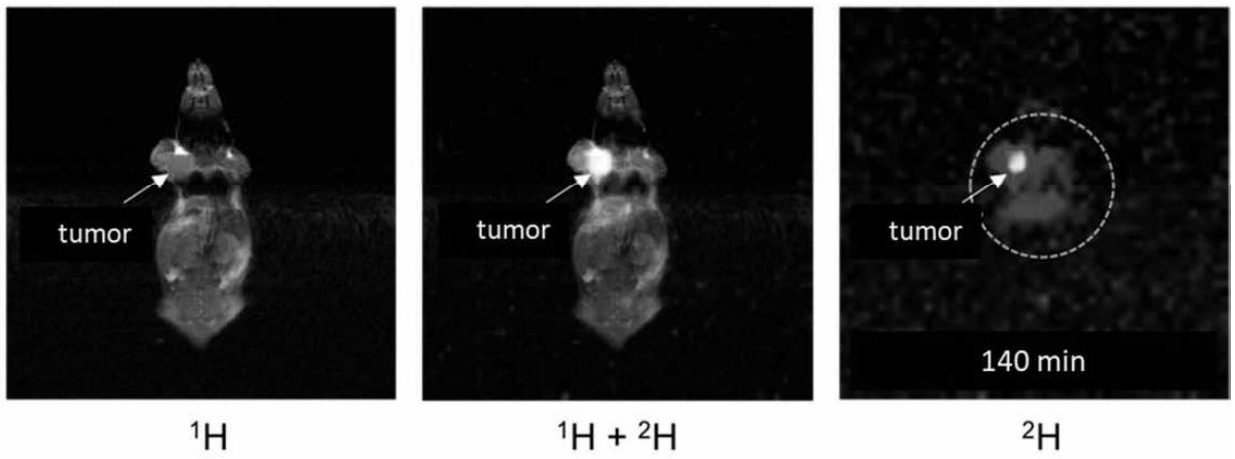
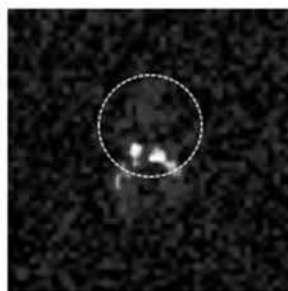
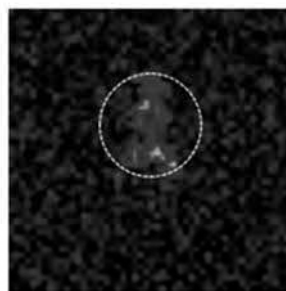


Fig.1

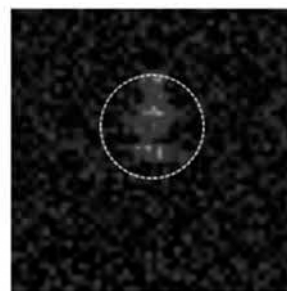
a**b****Fig.2**

a) alanine- d_3  ^1H MRI

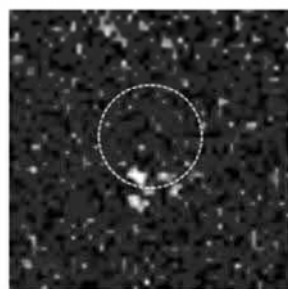
15 min



35 min



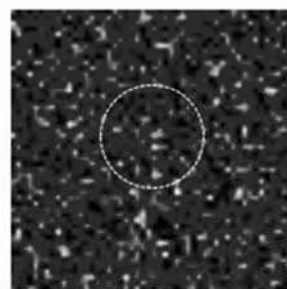
75 min

b) phenylalanine- d_7  ^1H MRI

10 min



20 min



40 min

Fig.3