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2 **S1 Fig: Comparison of the peak quality for a few metabolites extracted from strain PCC**
3 **7002 using the three extraction methods.** The extracted ion chromatogram (XIC) of the
4 metabolites 3-PGA, RuBP, and UDPG, which are significant in the ^{13}C -MFA studies of
5 photosynthetic organisms, obtained using the three methods are shown here to compare the
6 extraction efficiency. The effect of addition of NH_4OH is prominent with metabolites such as
7 RuBP and is significant for metabolites such as 3-PGA. Few other metabolites such as UDPG did
8 not have significant change with the addition of NH_4OH . The metabolites presented are 3
9 Phosphoglyceric acid (3 PGA), Uridine diphosphate glucose (UDPG), and Ribulose 1,5-
10 bisphosphate (RuBP).