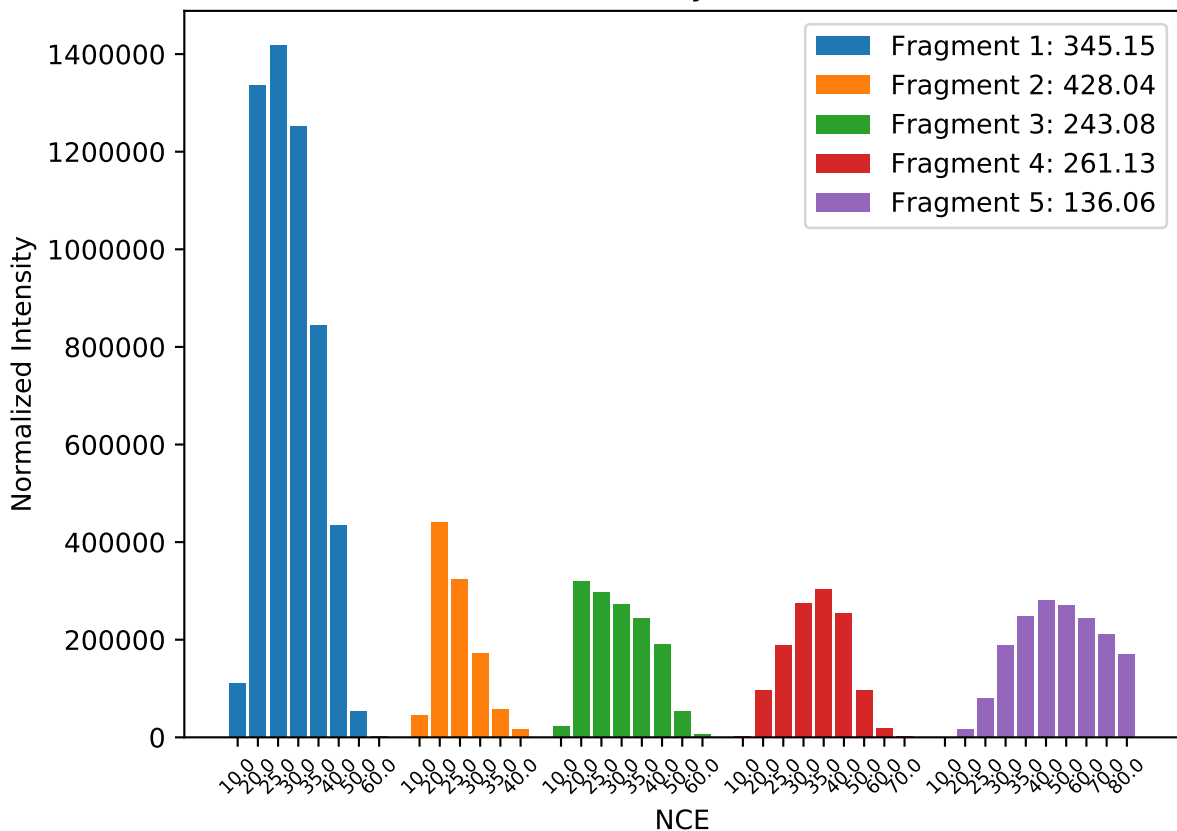
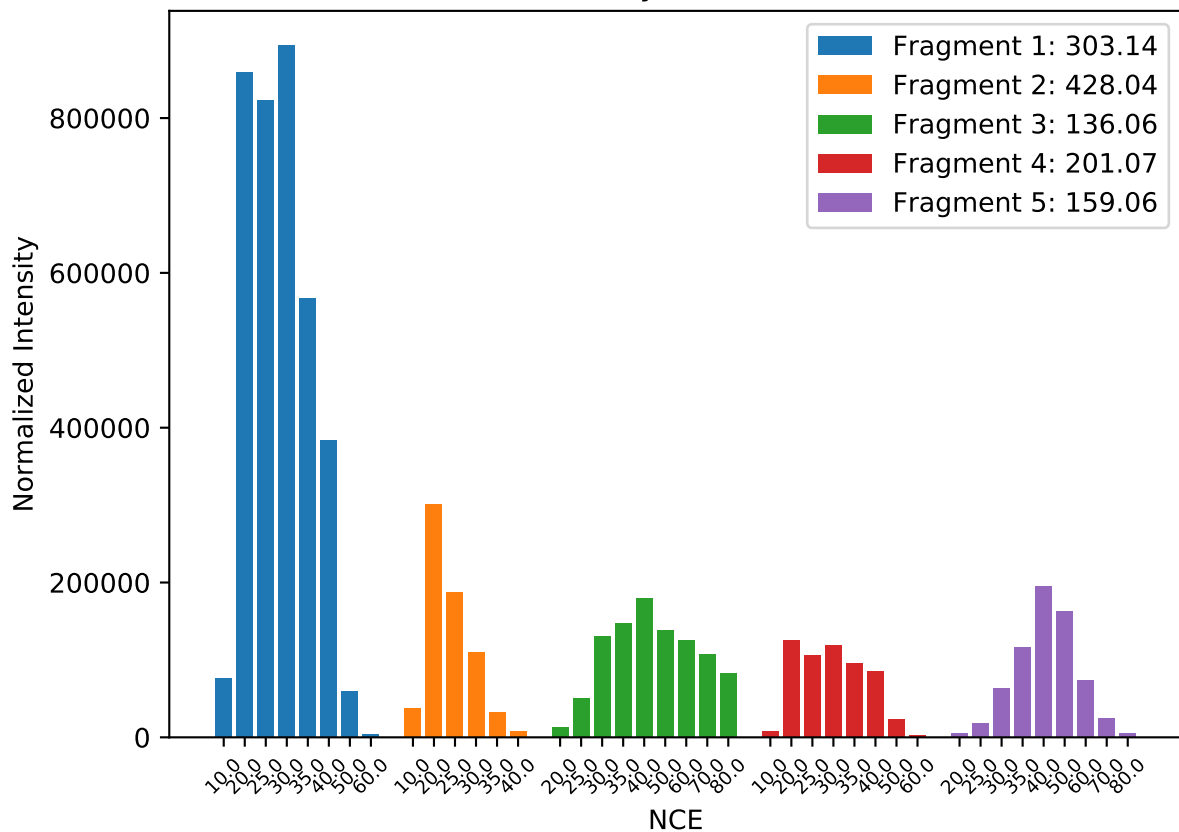
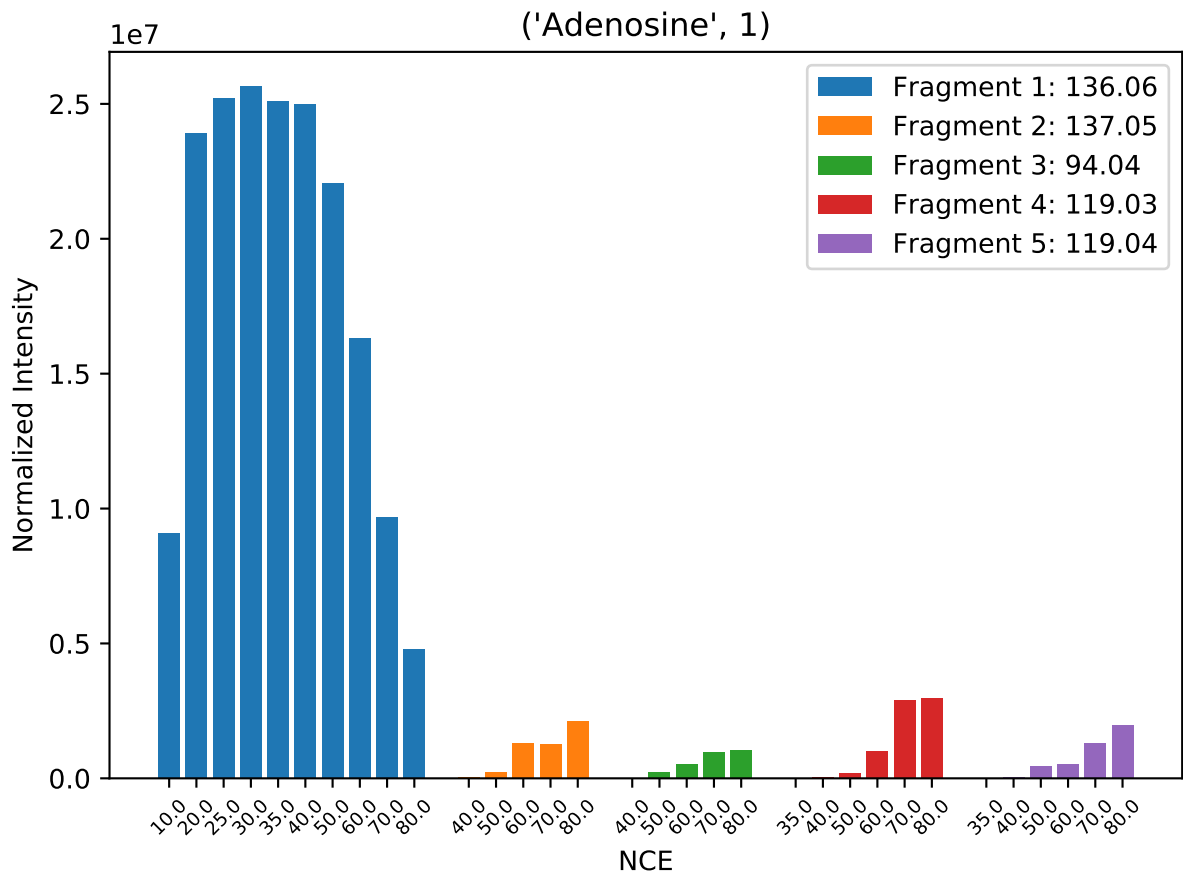


('Acetoacetyl-CoA', 1)

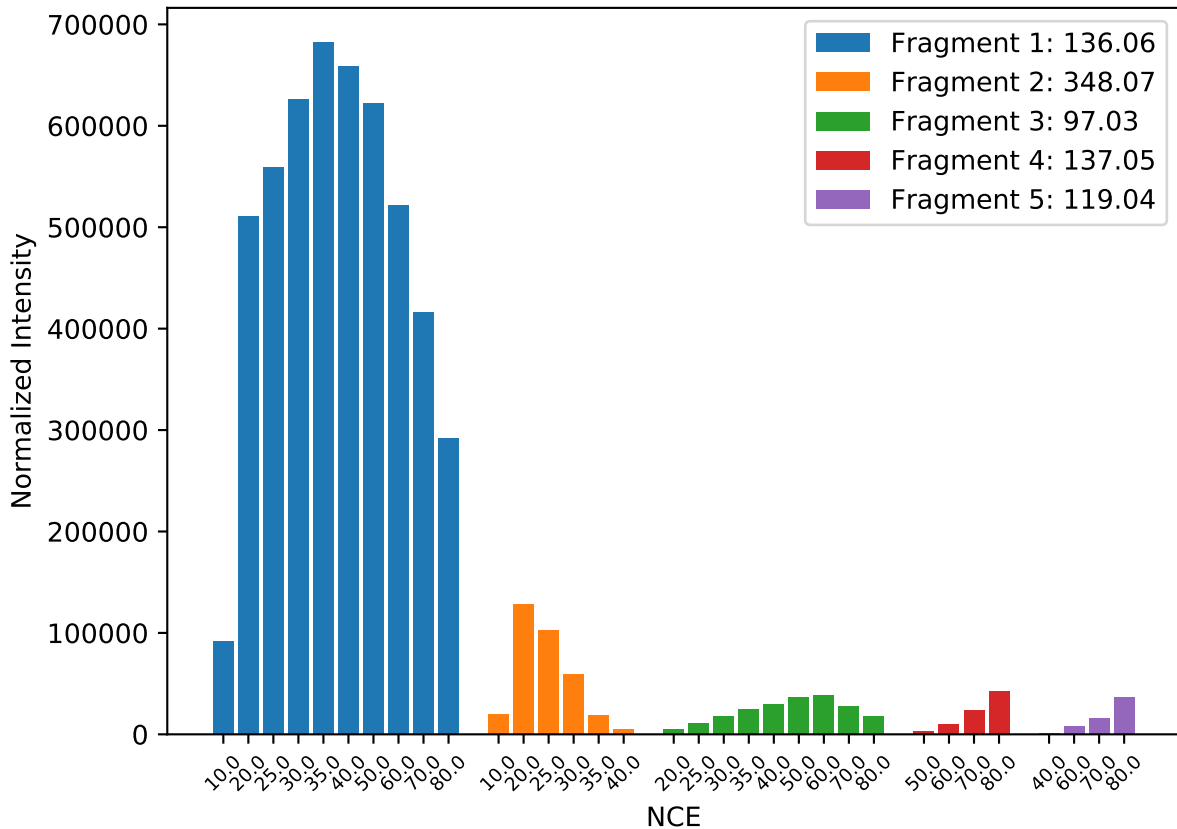


('Acetyl-CoA', 1)

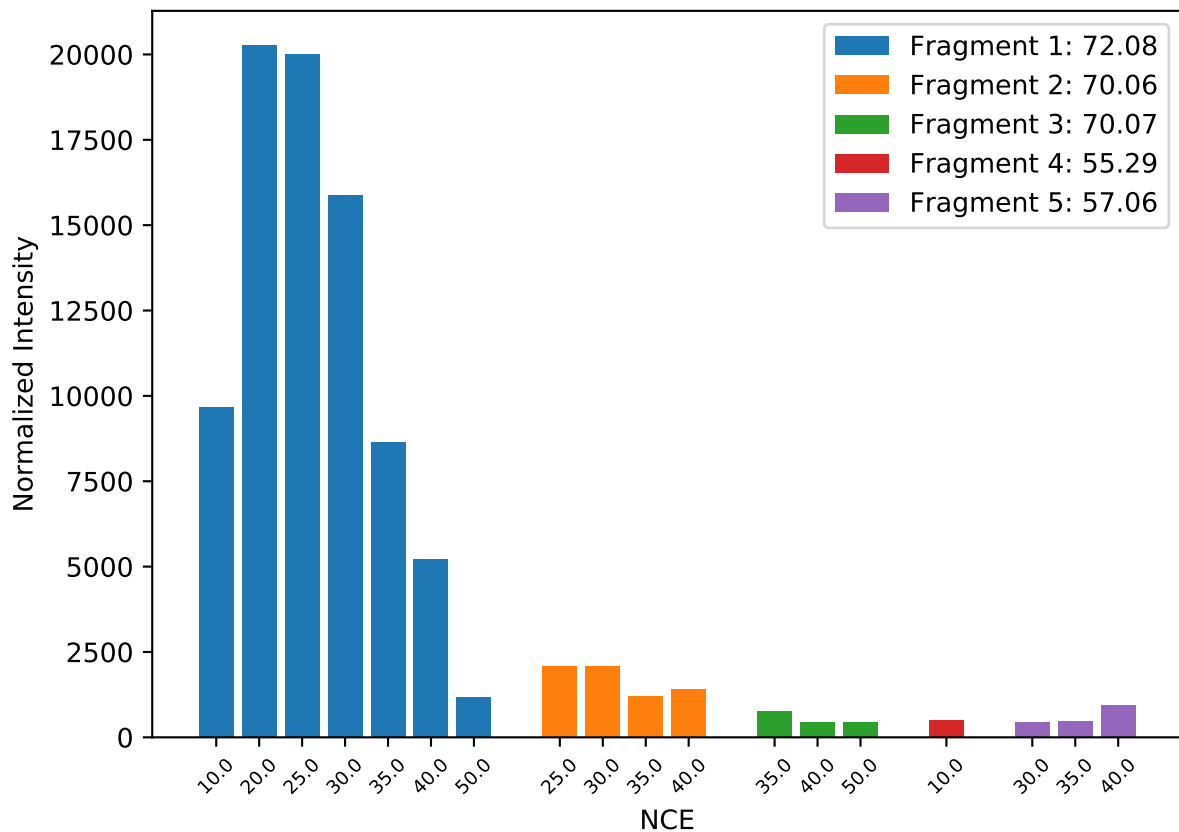




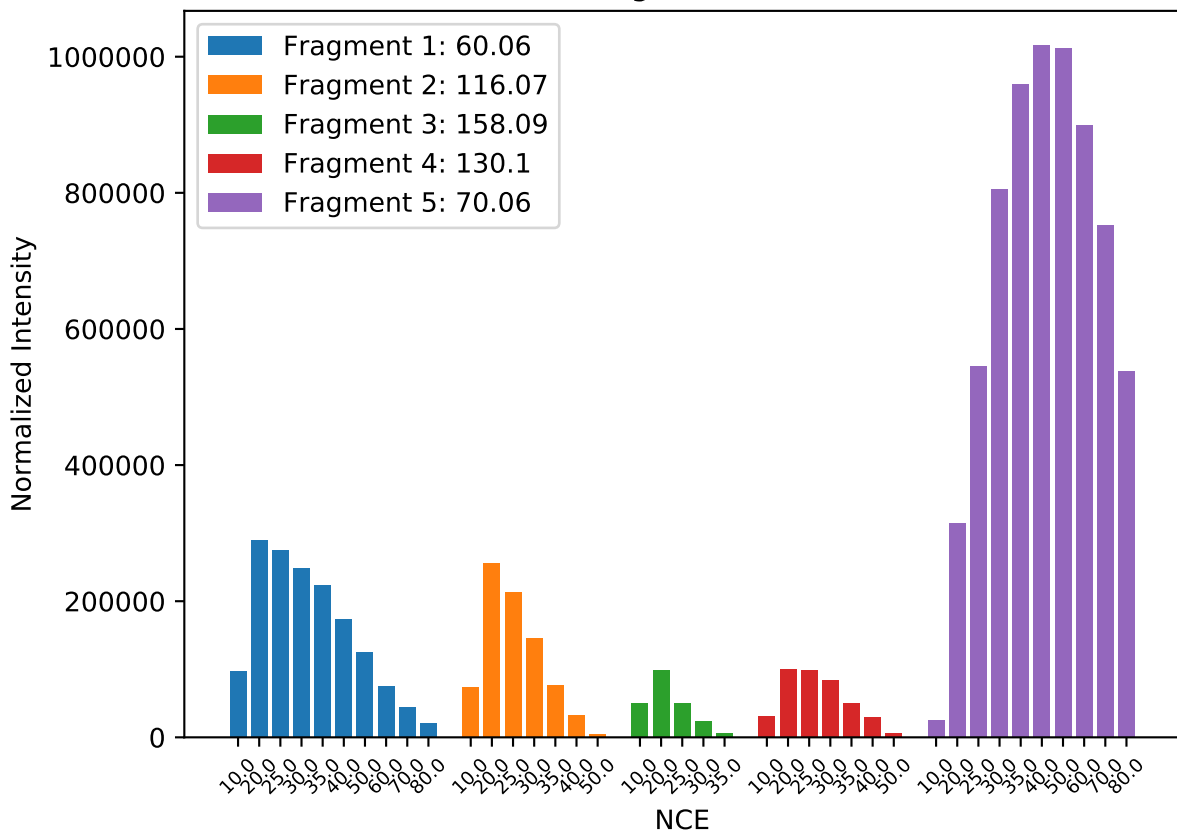
('ADP', 1)



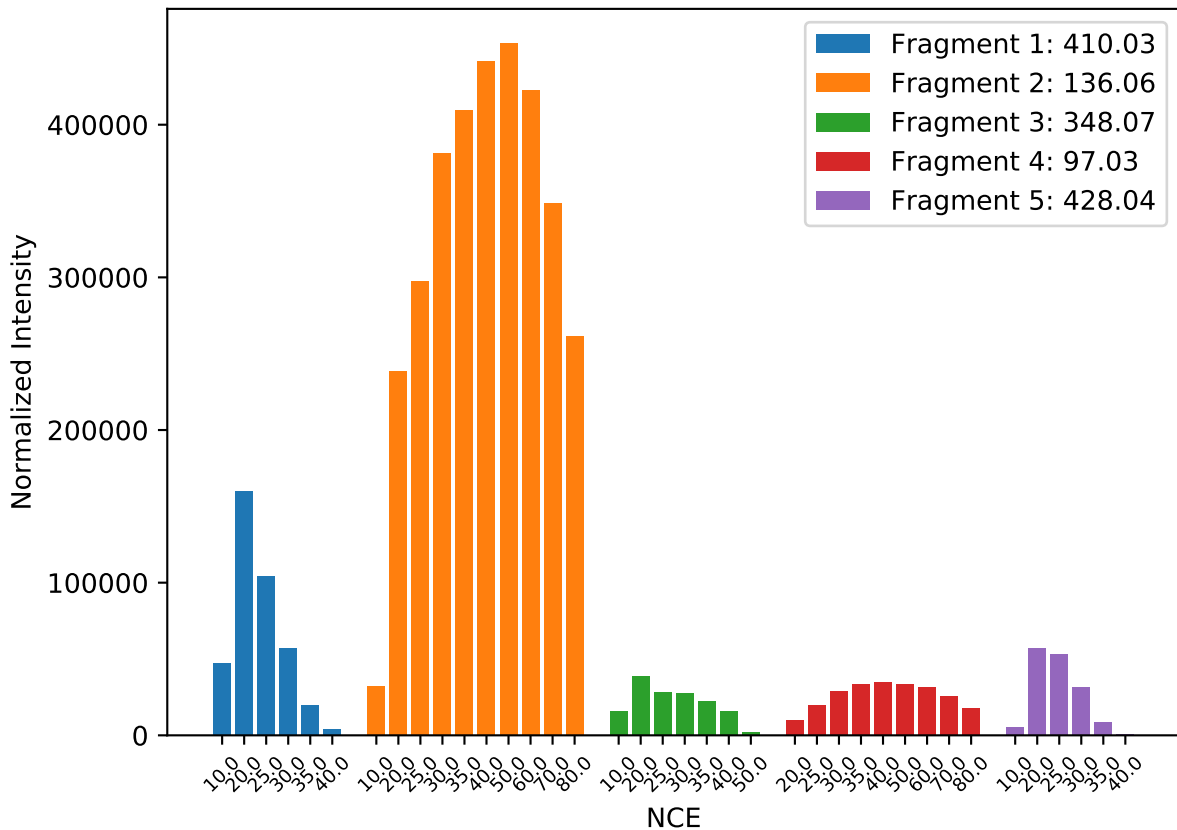
('Alanine', 1)



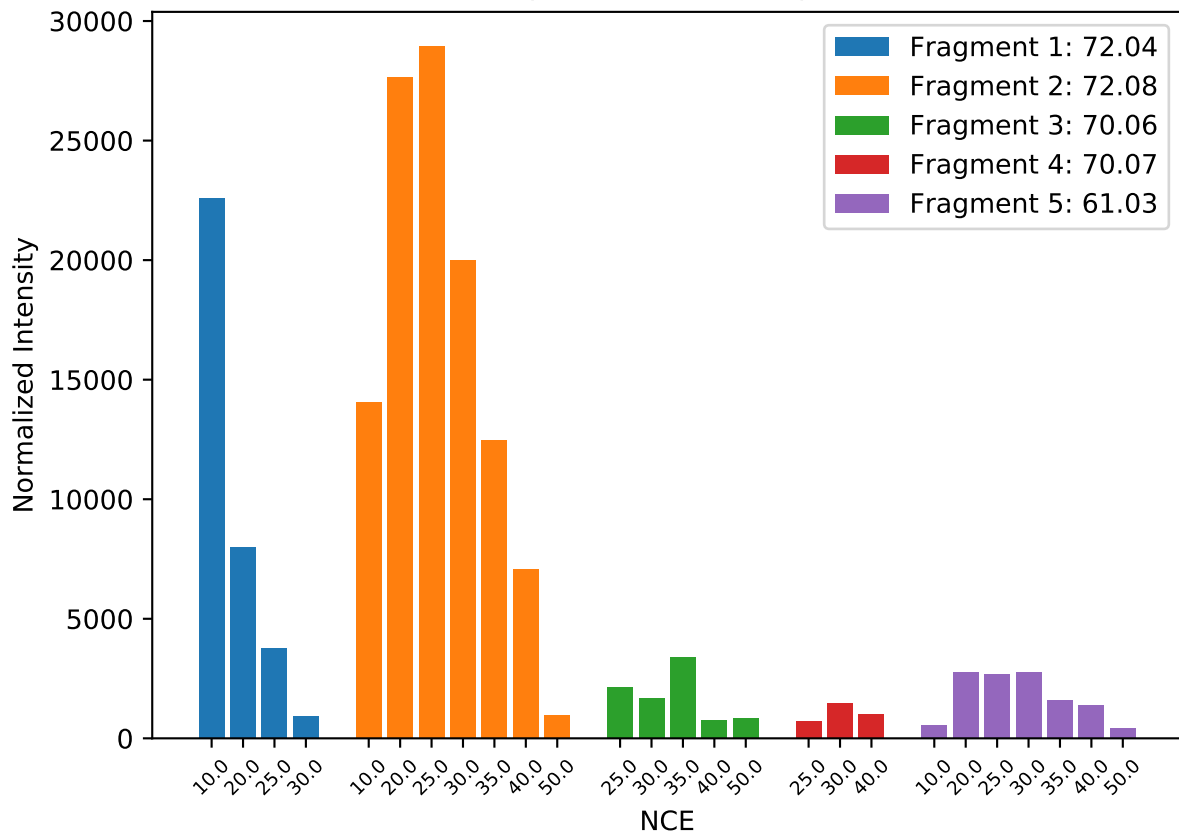
('Arginine', 1)



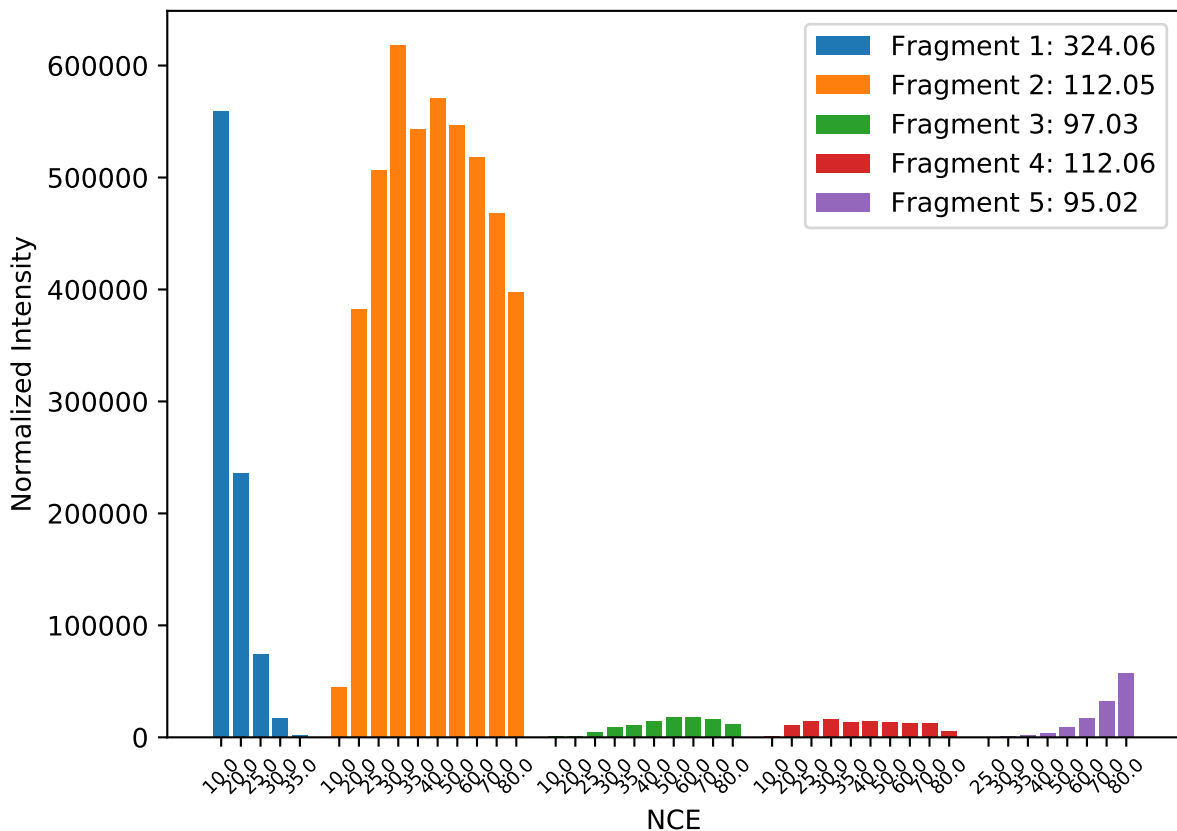
('ATP', 1)



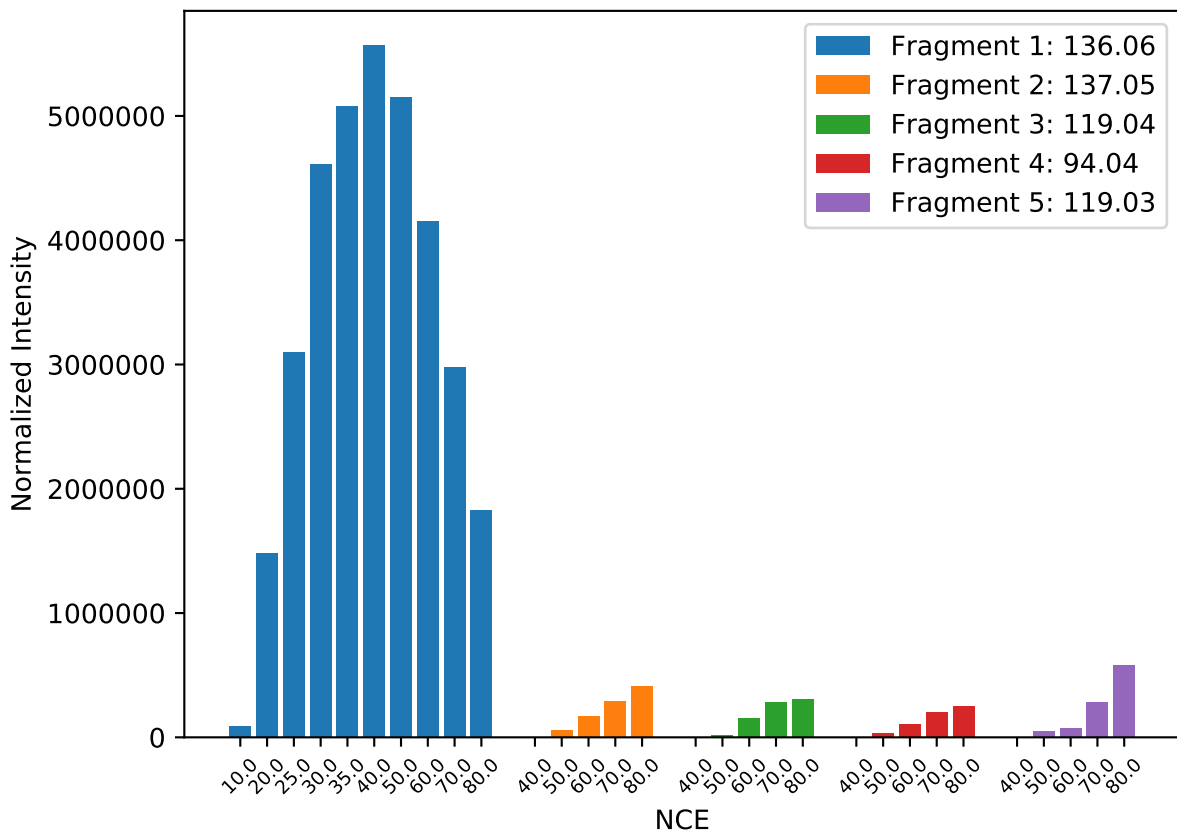
('beta-Alanine', 1)



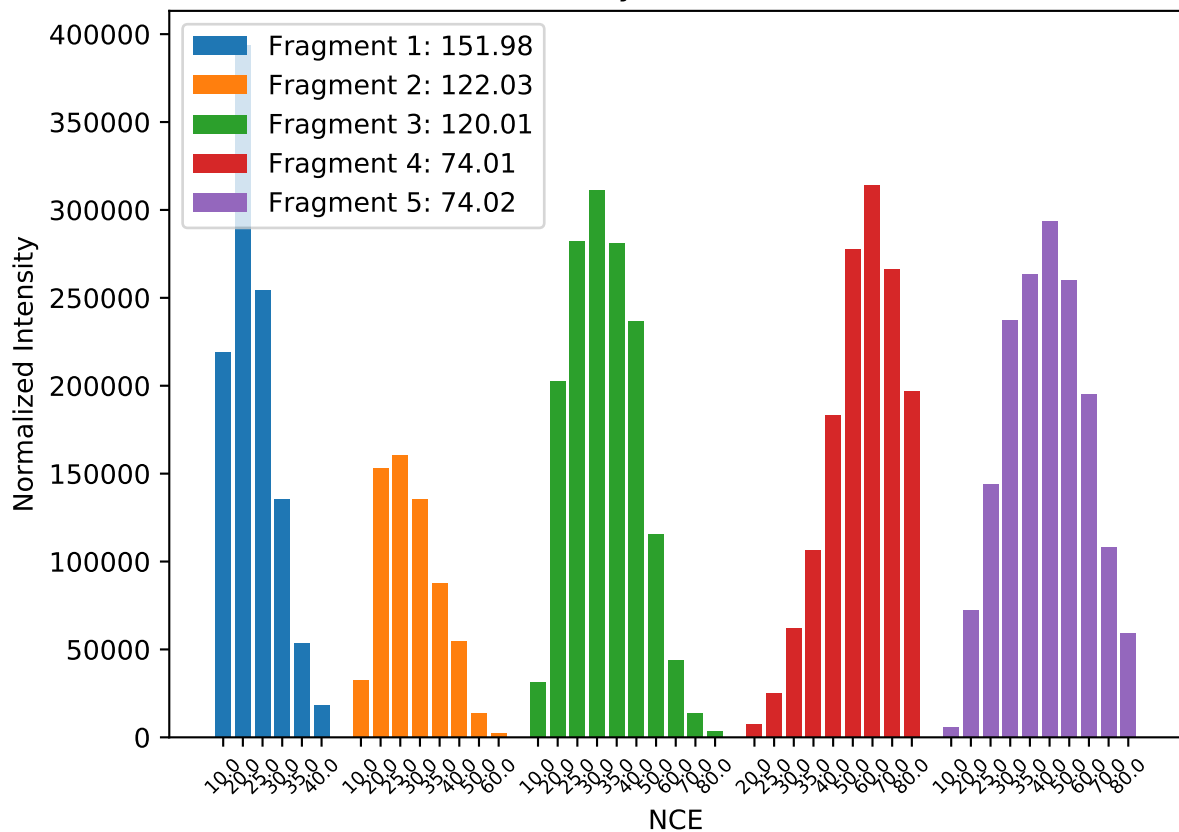
('CMP-sialic-acid', 1)



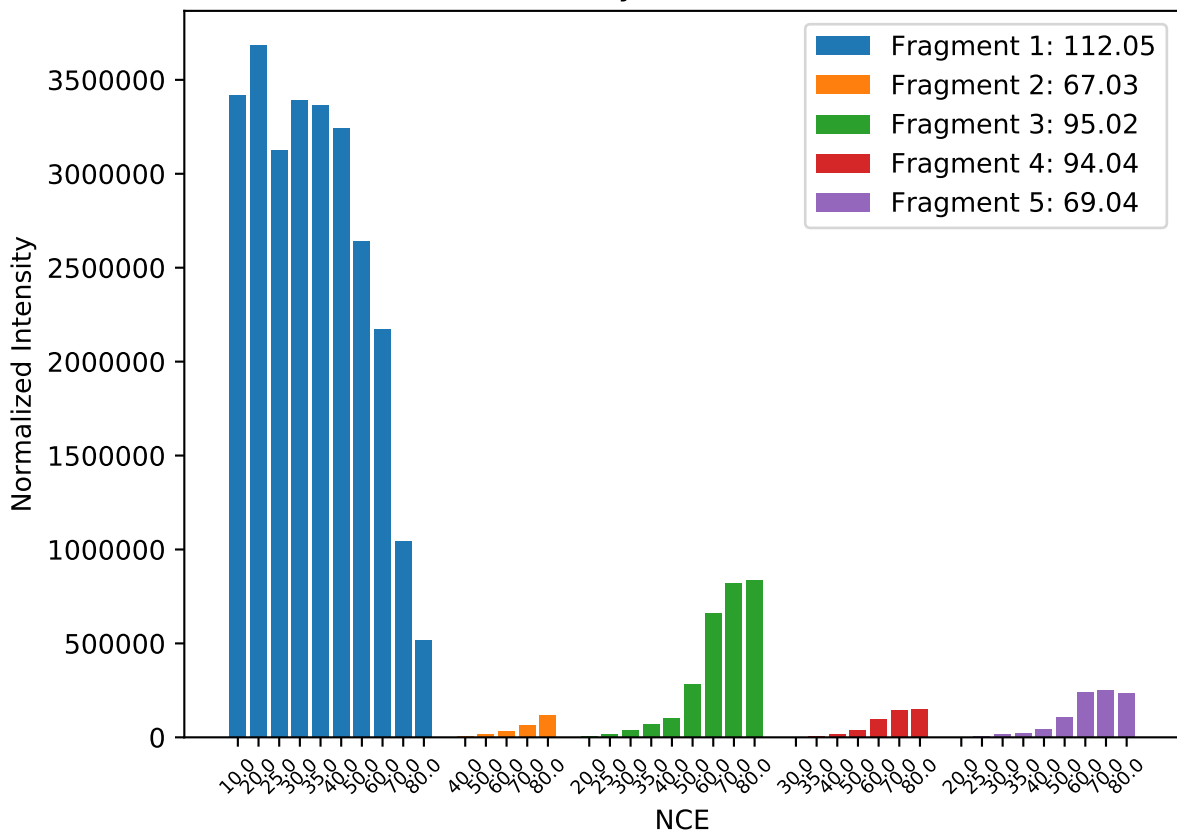
('cAMP', 1)



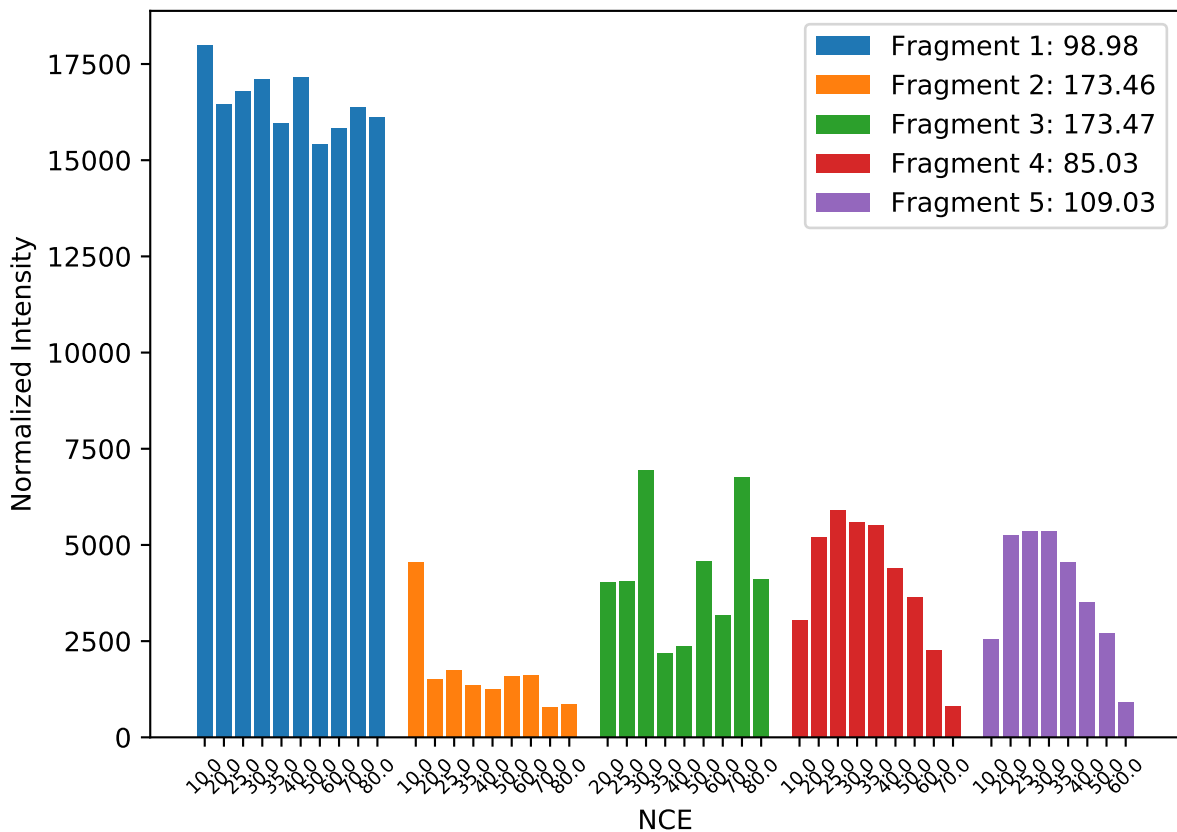
('Cystine', 1)



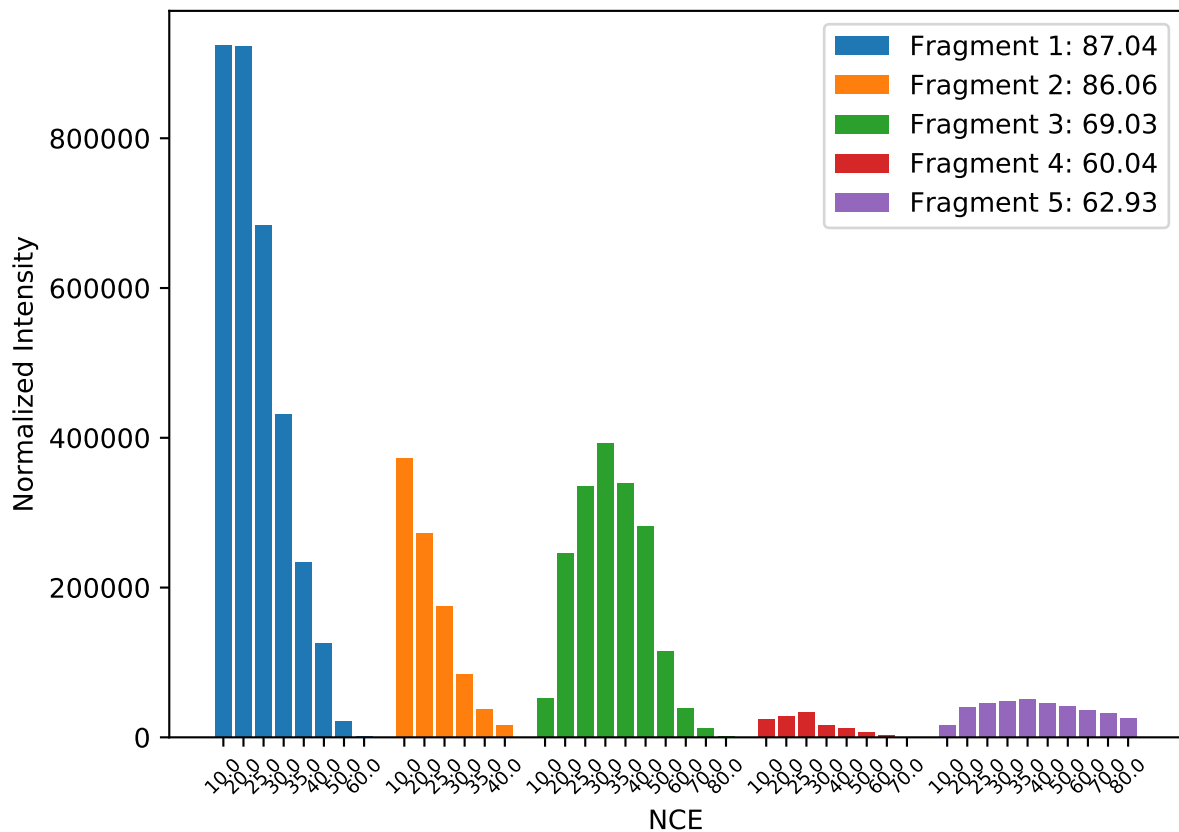
('Cytidine', 1)



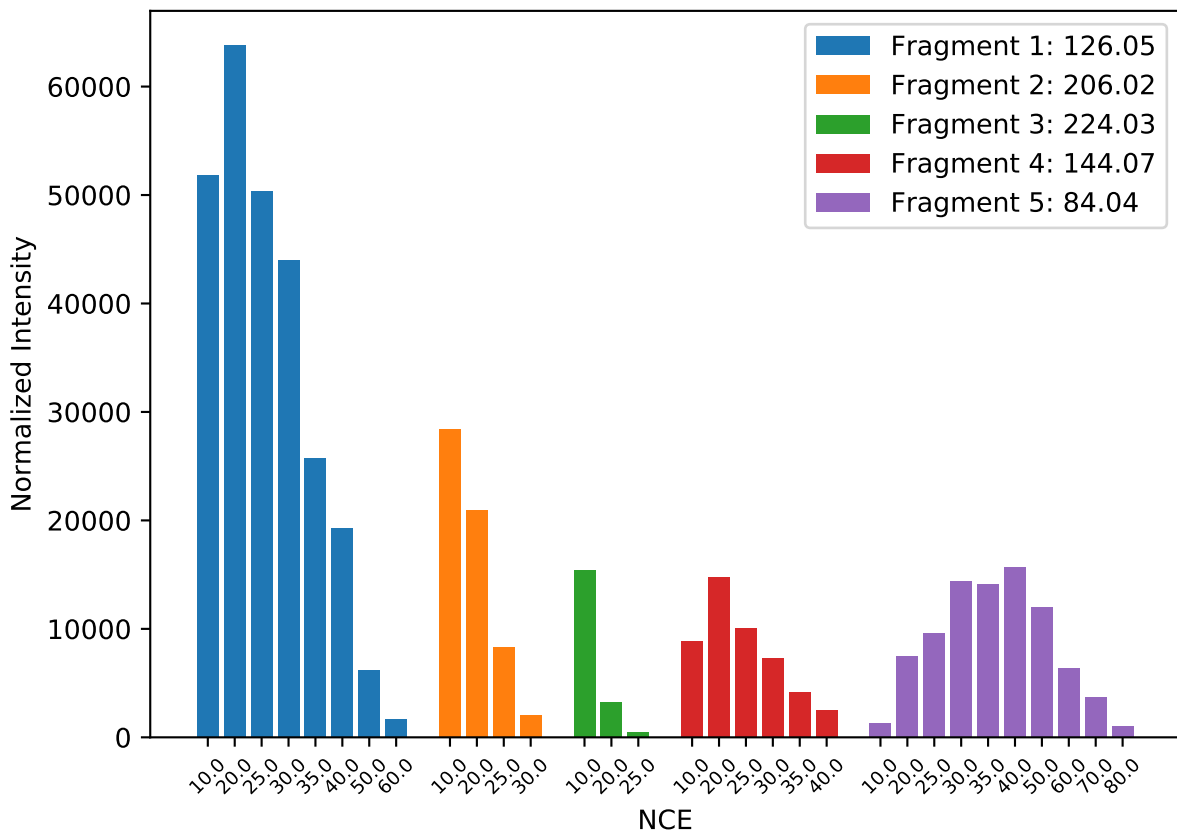
('G1P', 1)



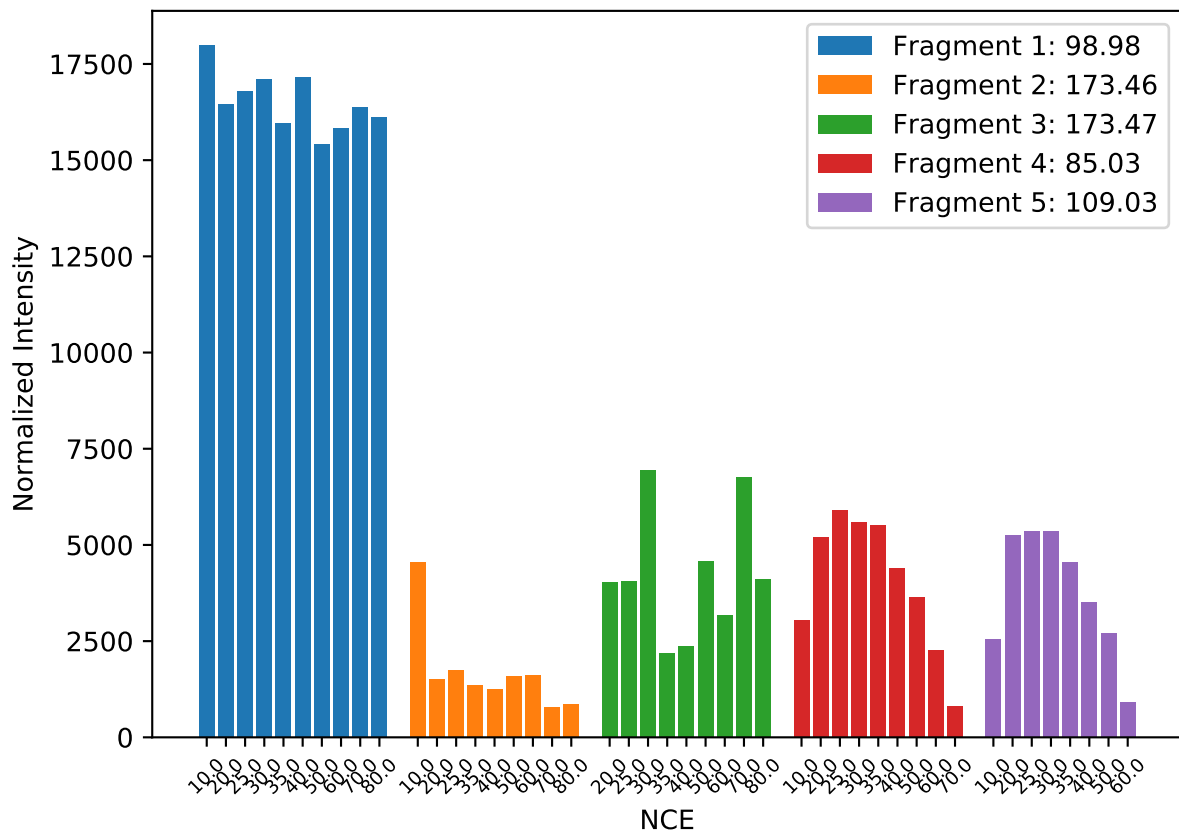
('GABA', 1)



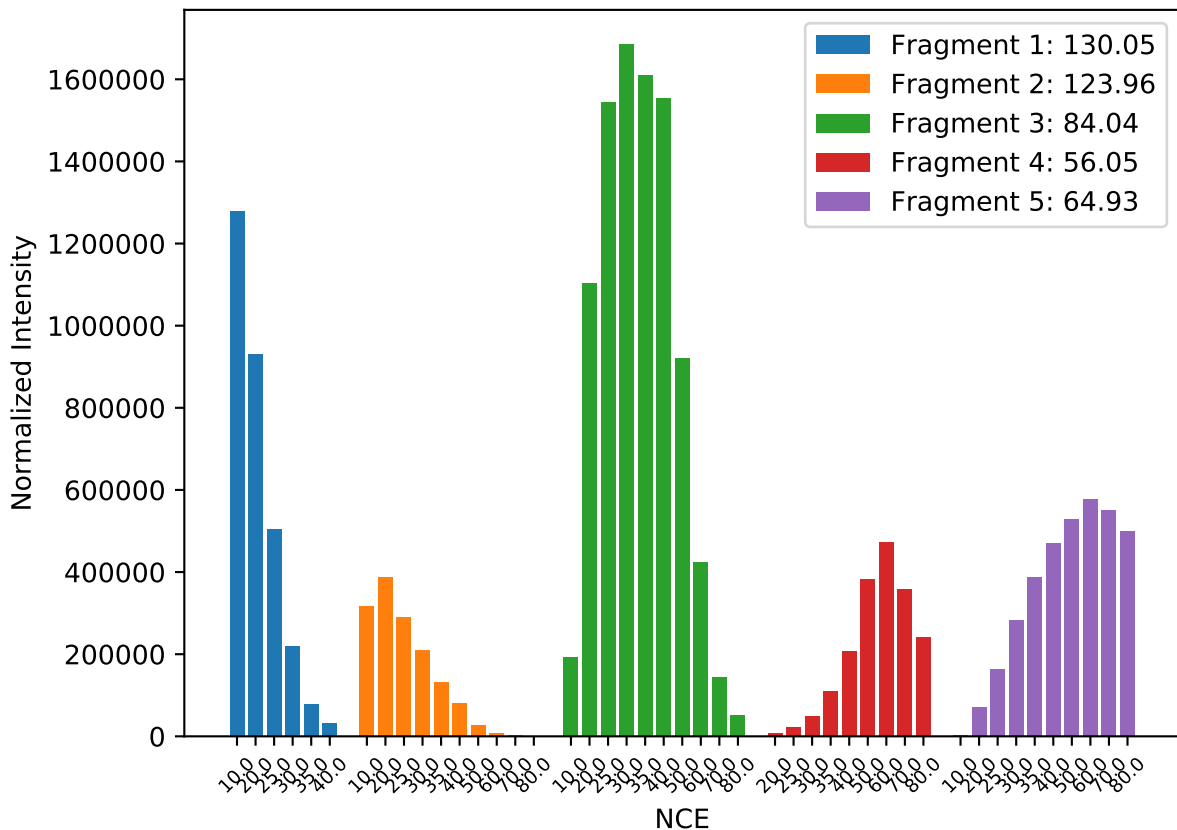
('GN6P', 1)



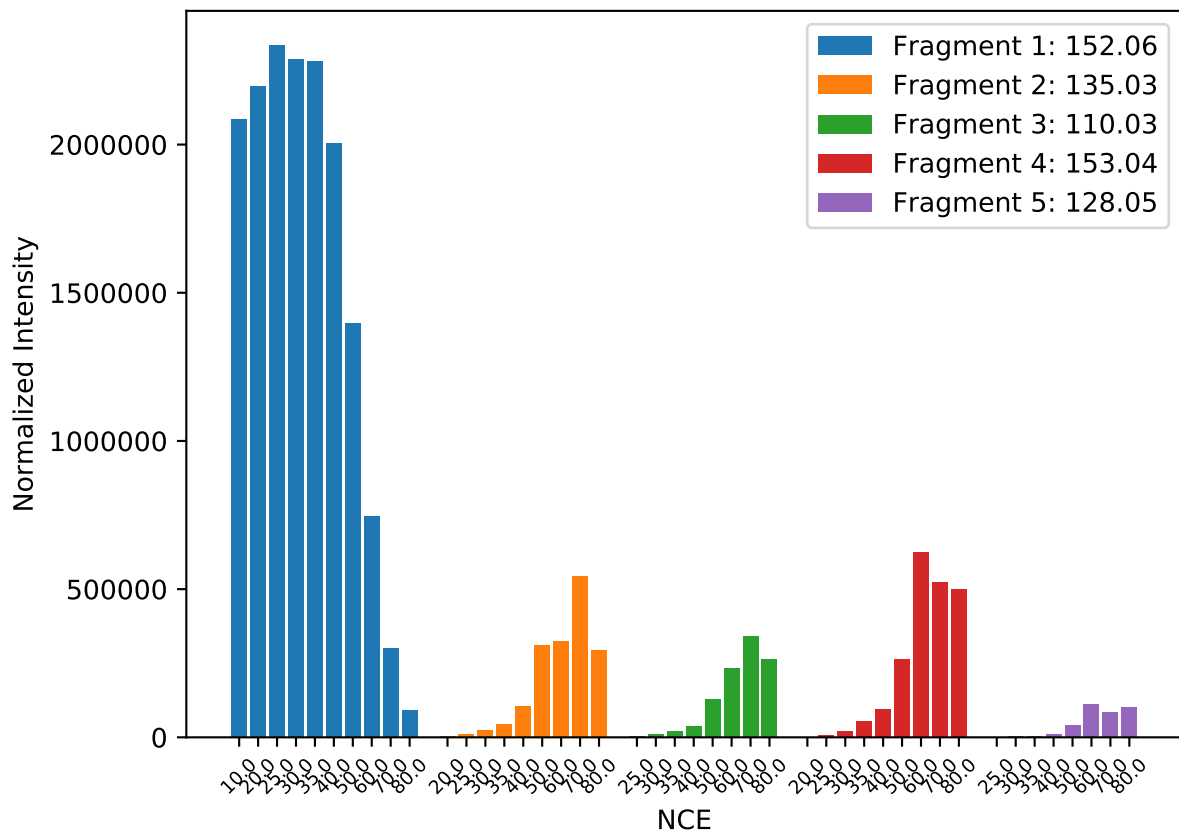
('G6P', 1)



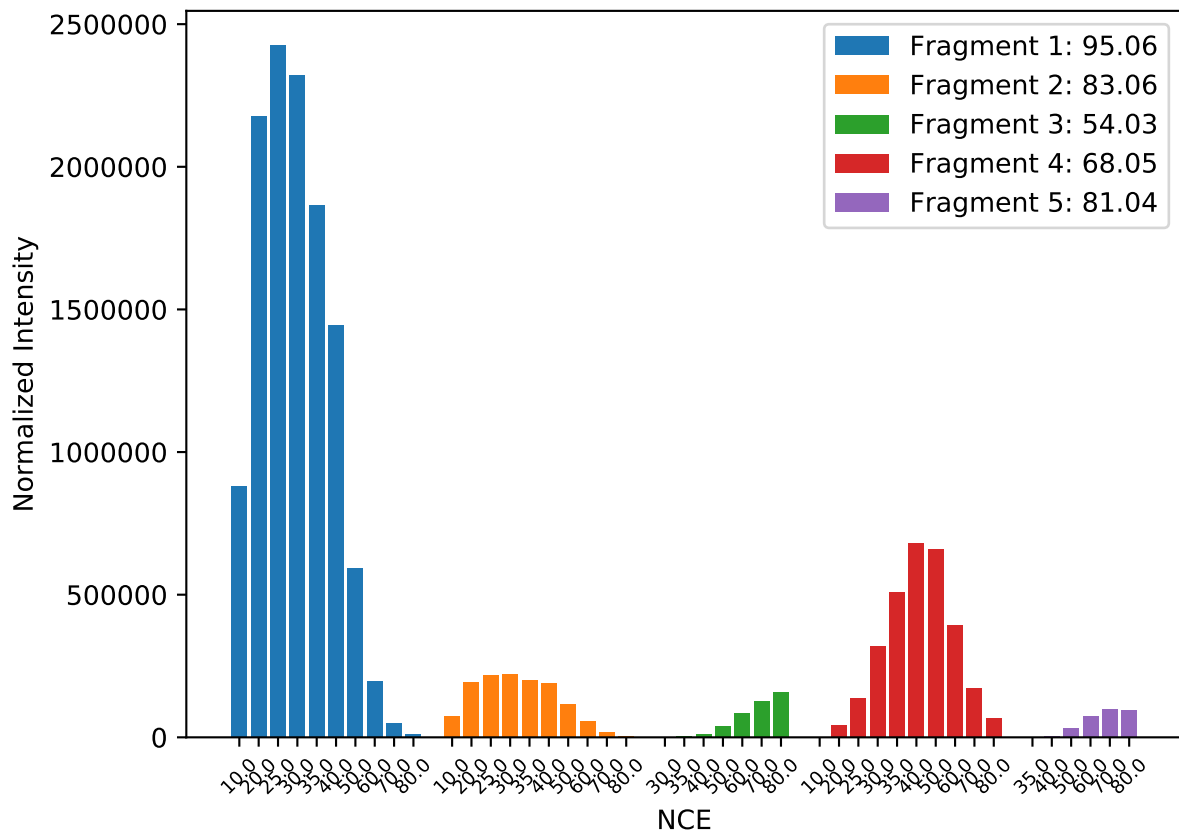
('Glutamine', 1)



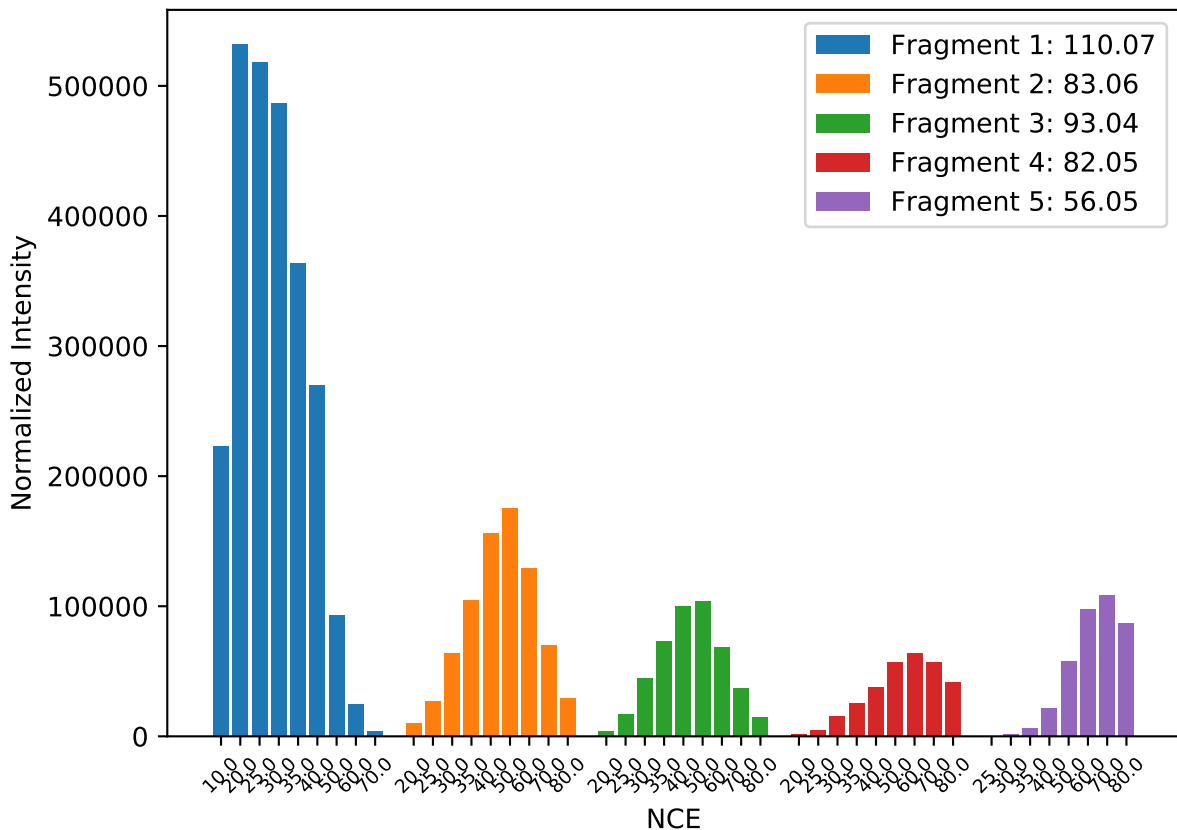
('Guanosine', 1)



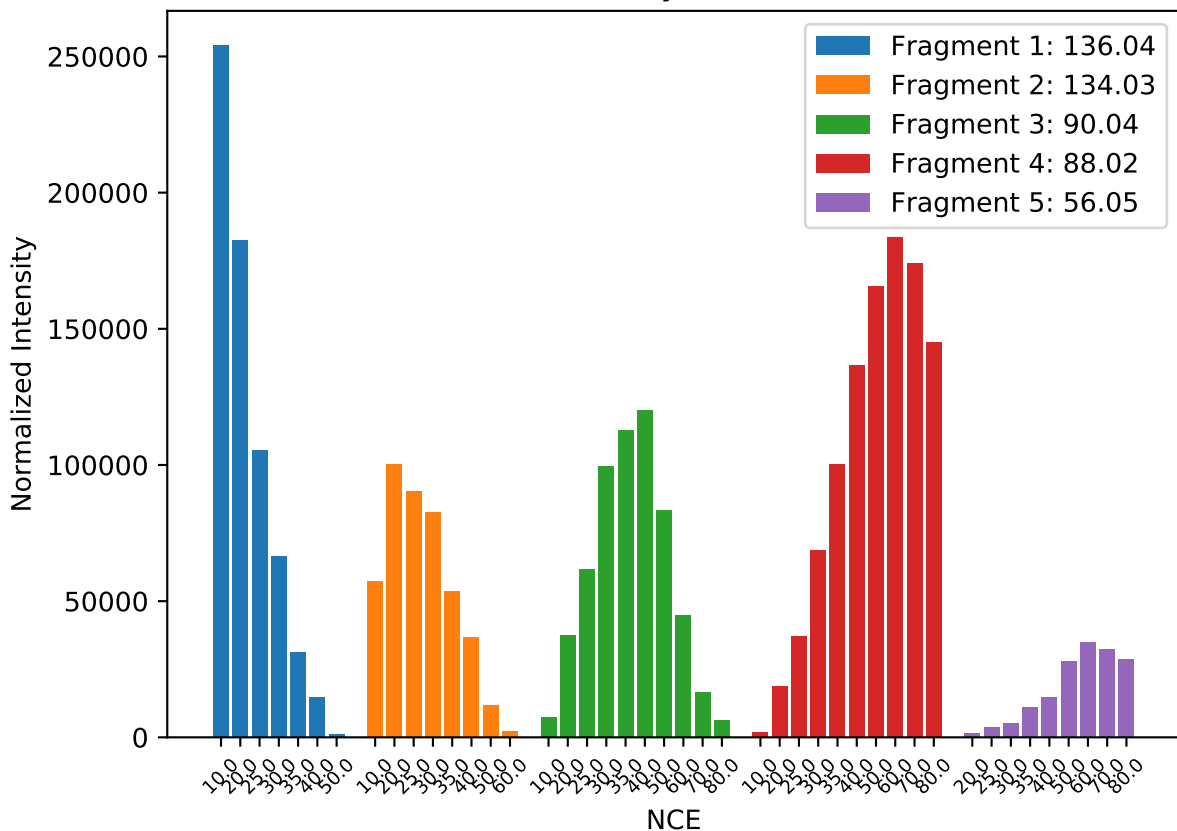
('Histamine', 1)



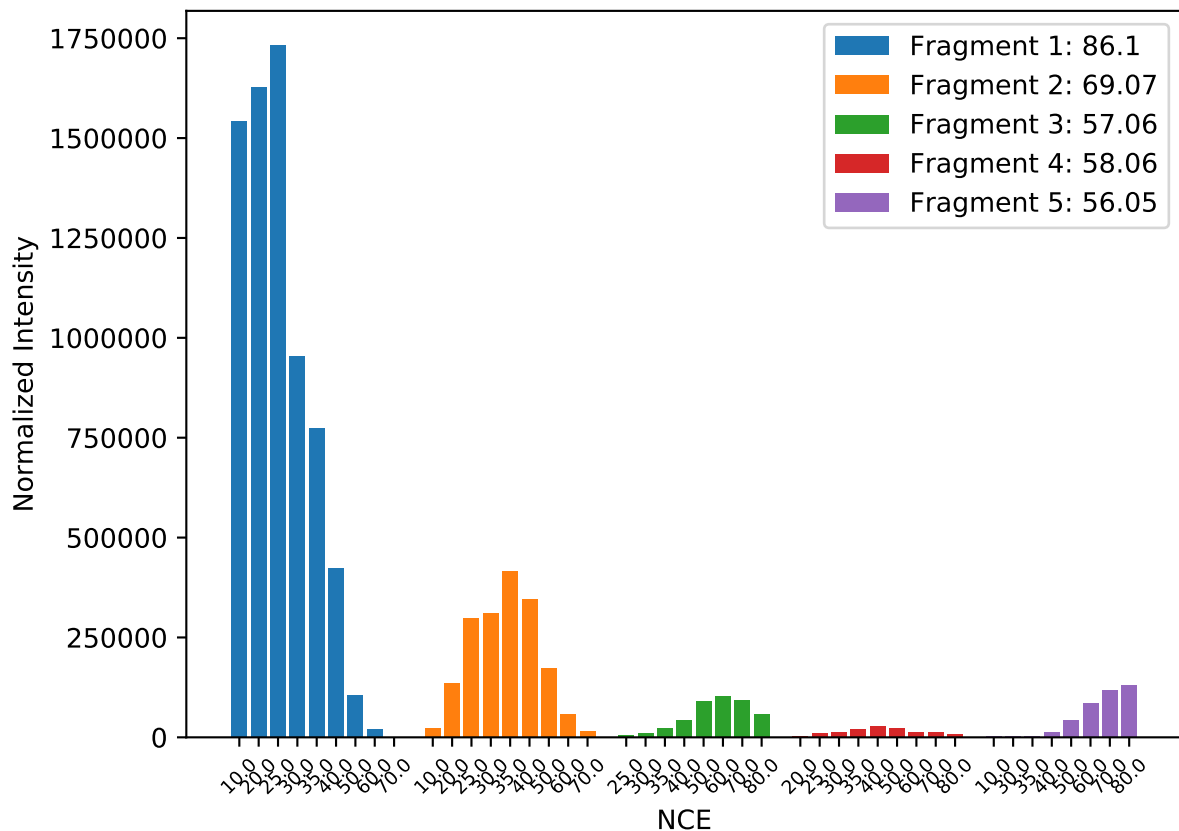
('Histidine', 1)



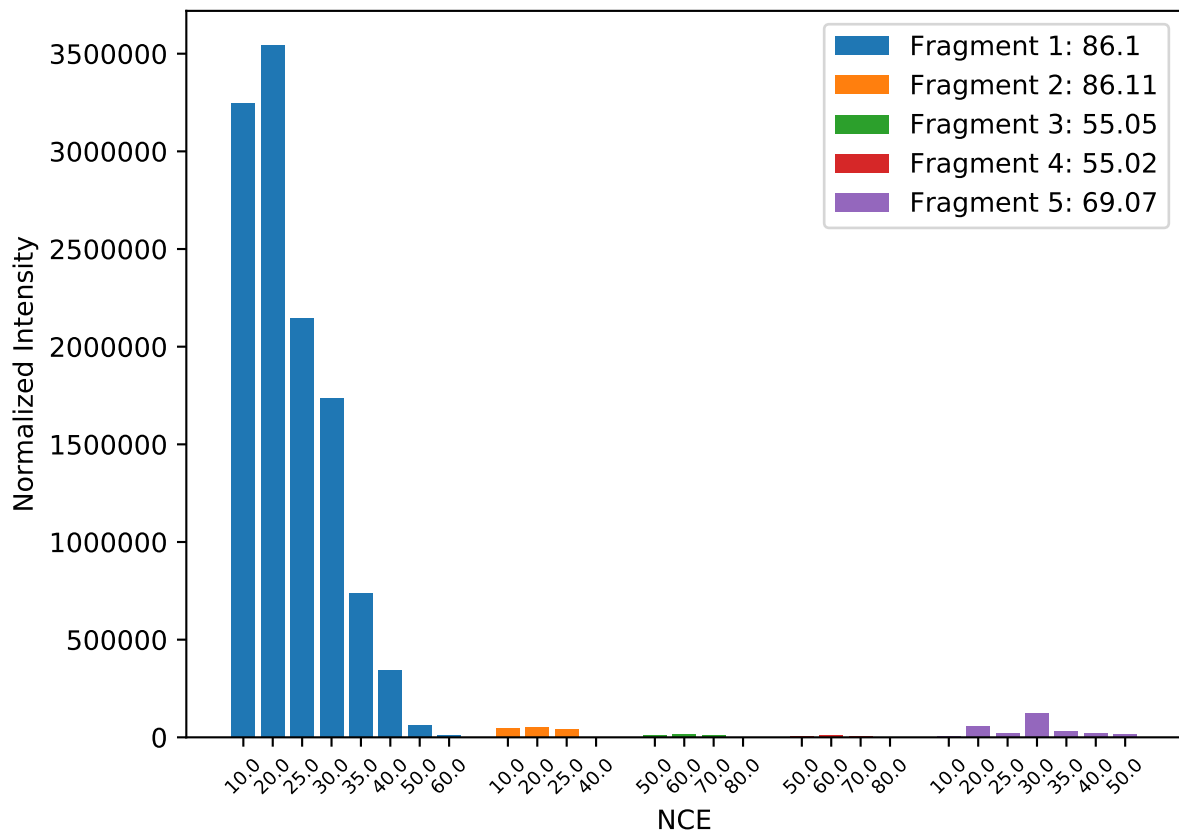
('Homocystine', 1)



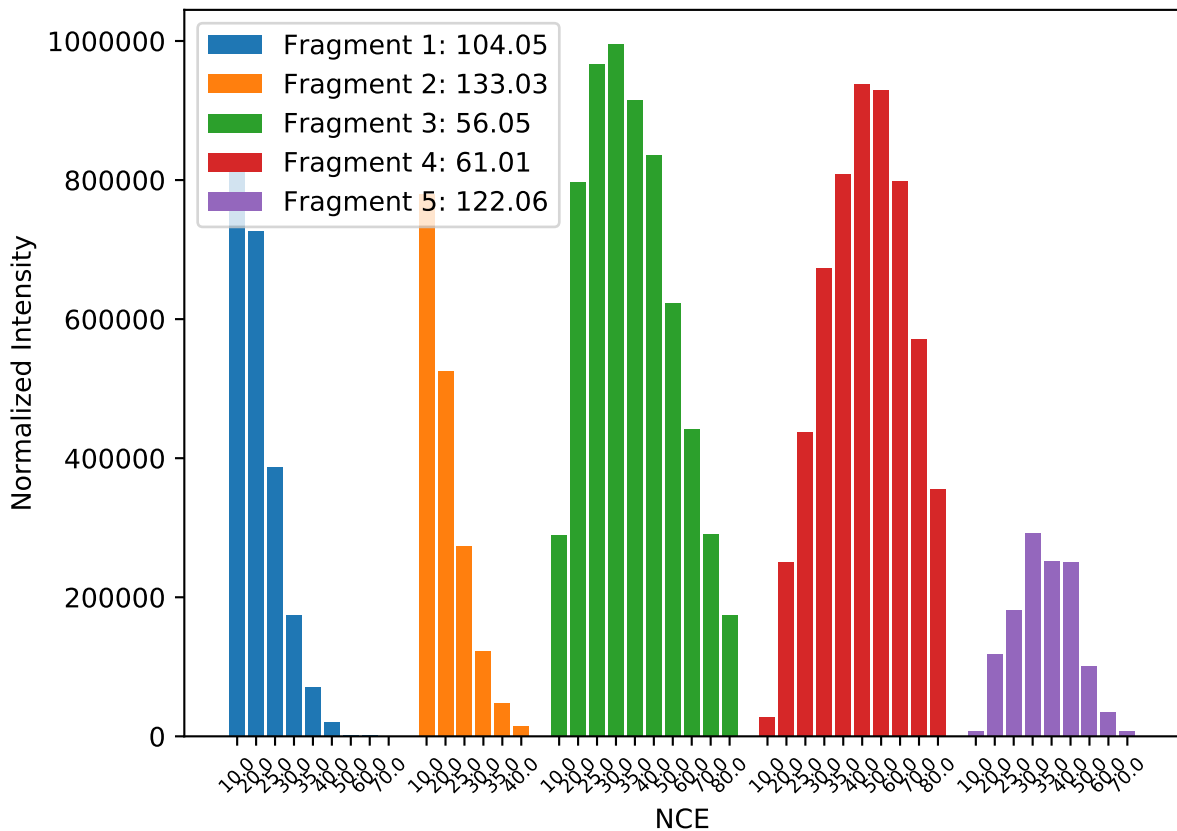
('Isoleucine', 1)



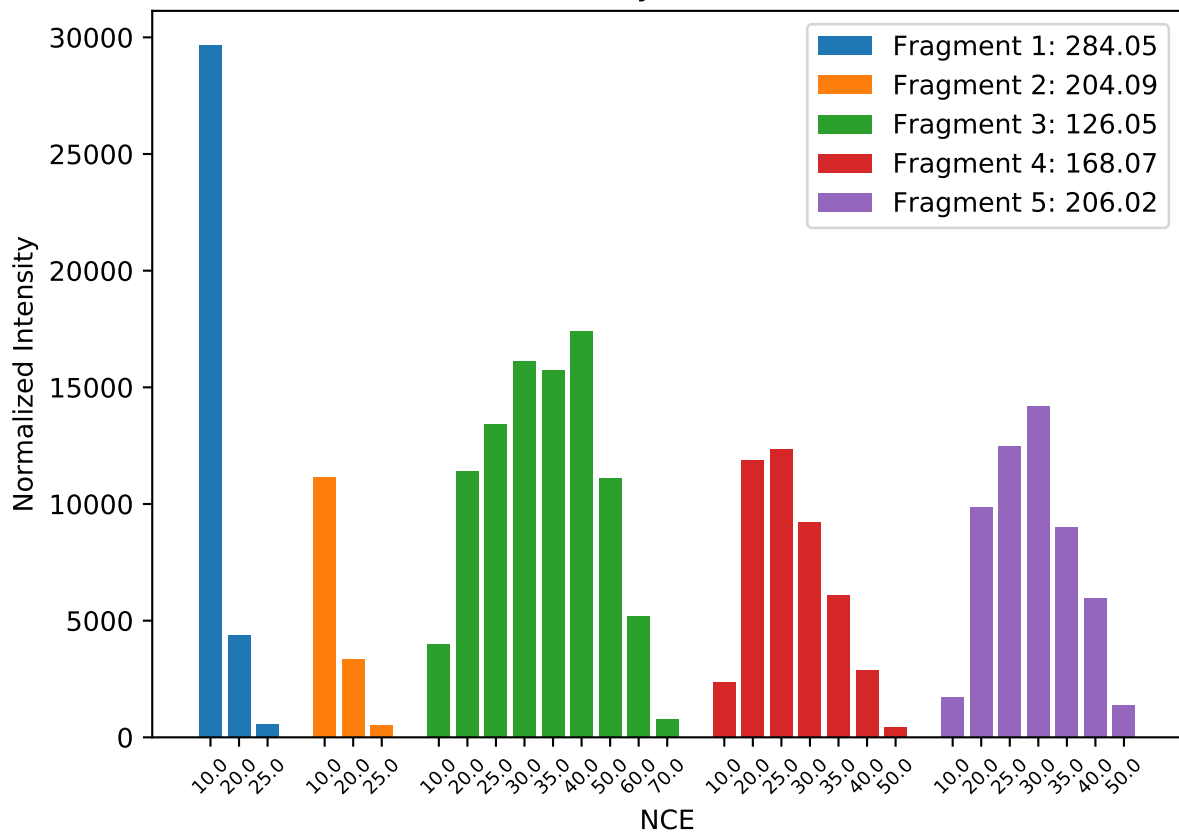
('Leucine', 1)



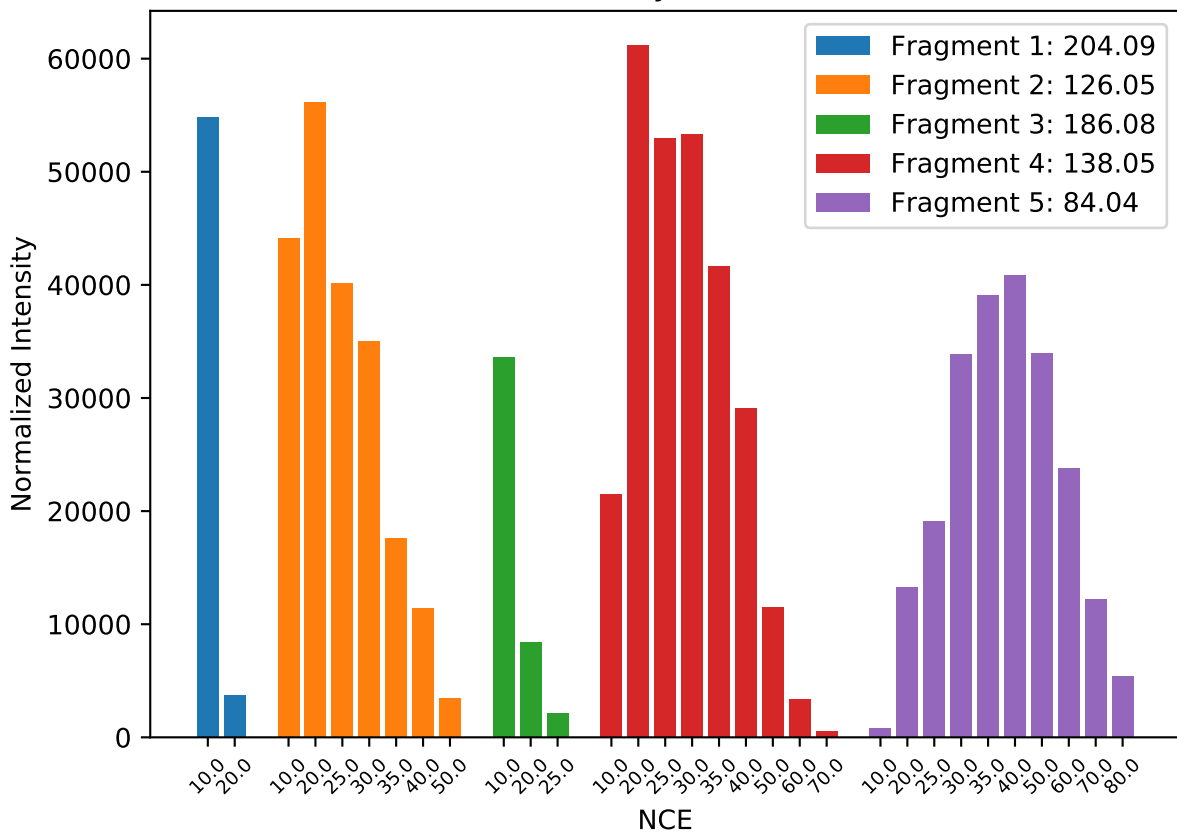
('Methionine', 1)



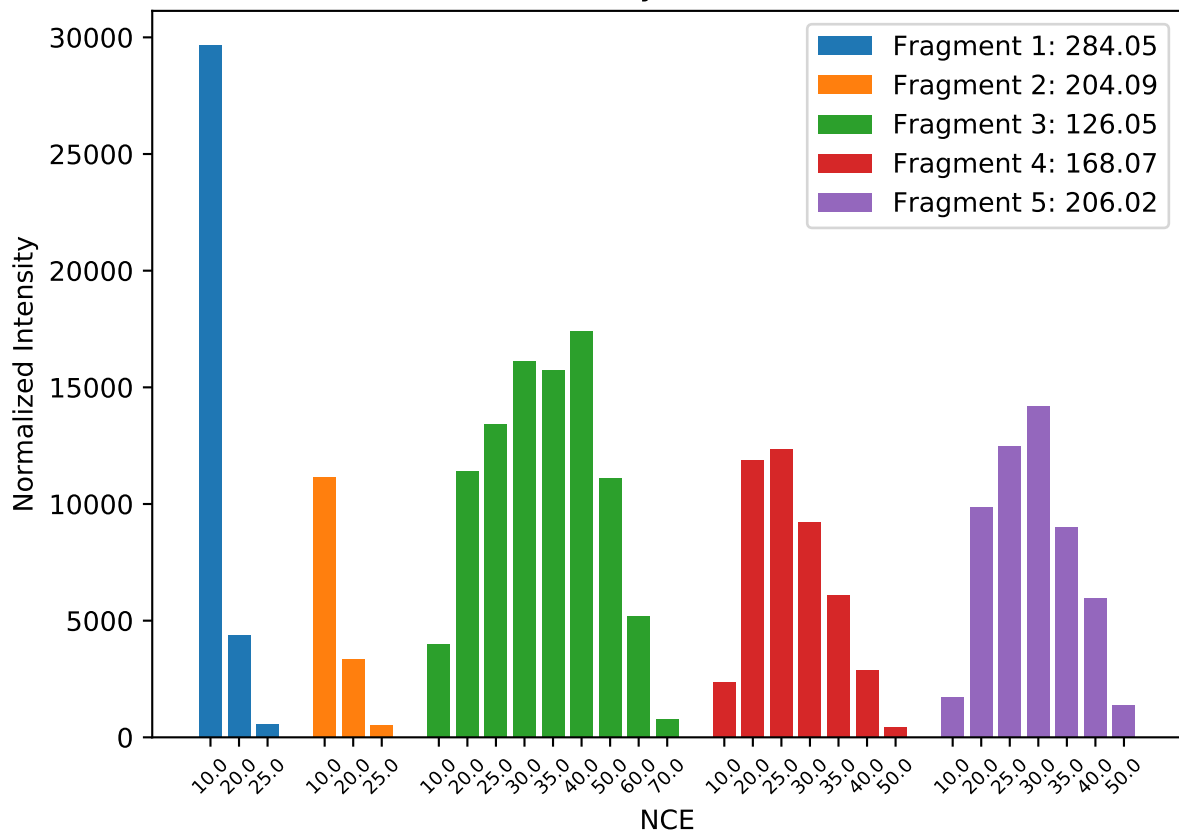
('N-Acetyl-GN1P', 1)



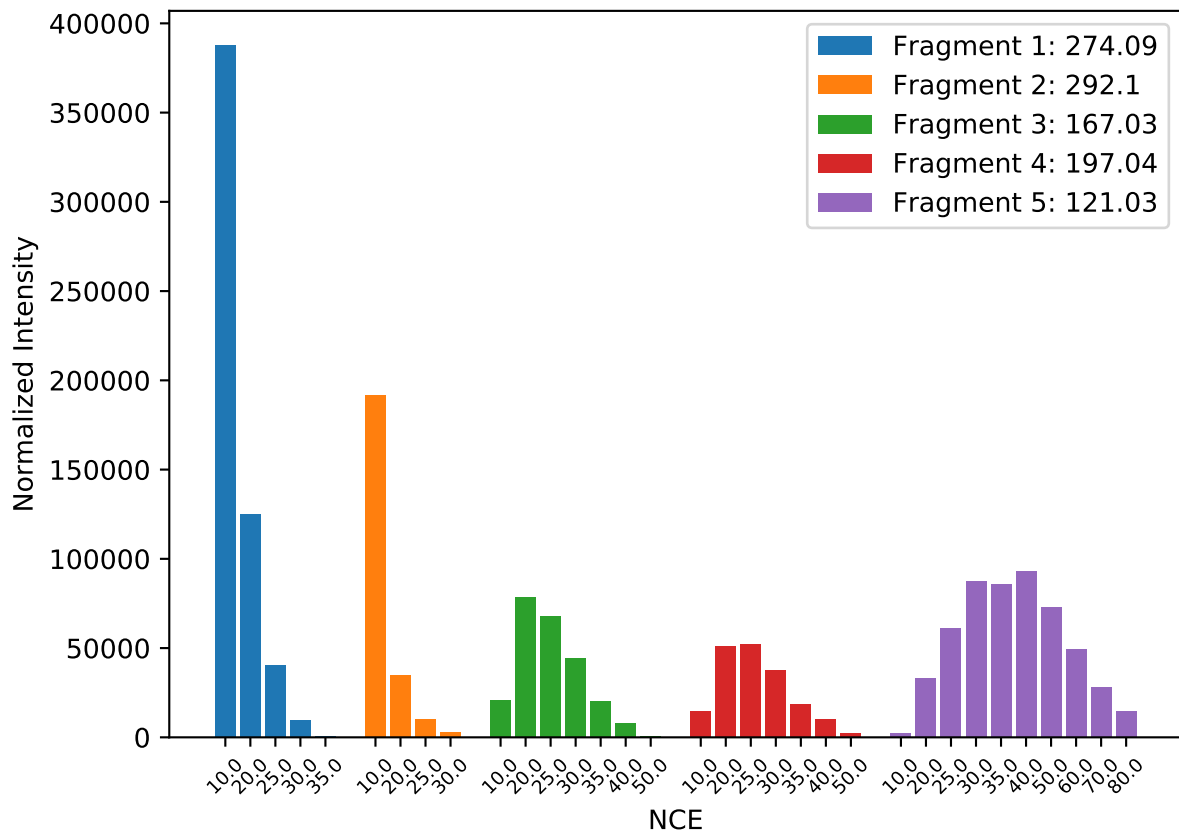
('N-Acetyl-MN', 1)



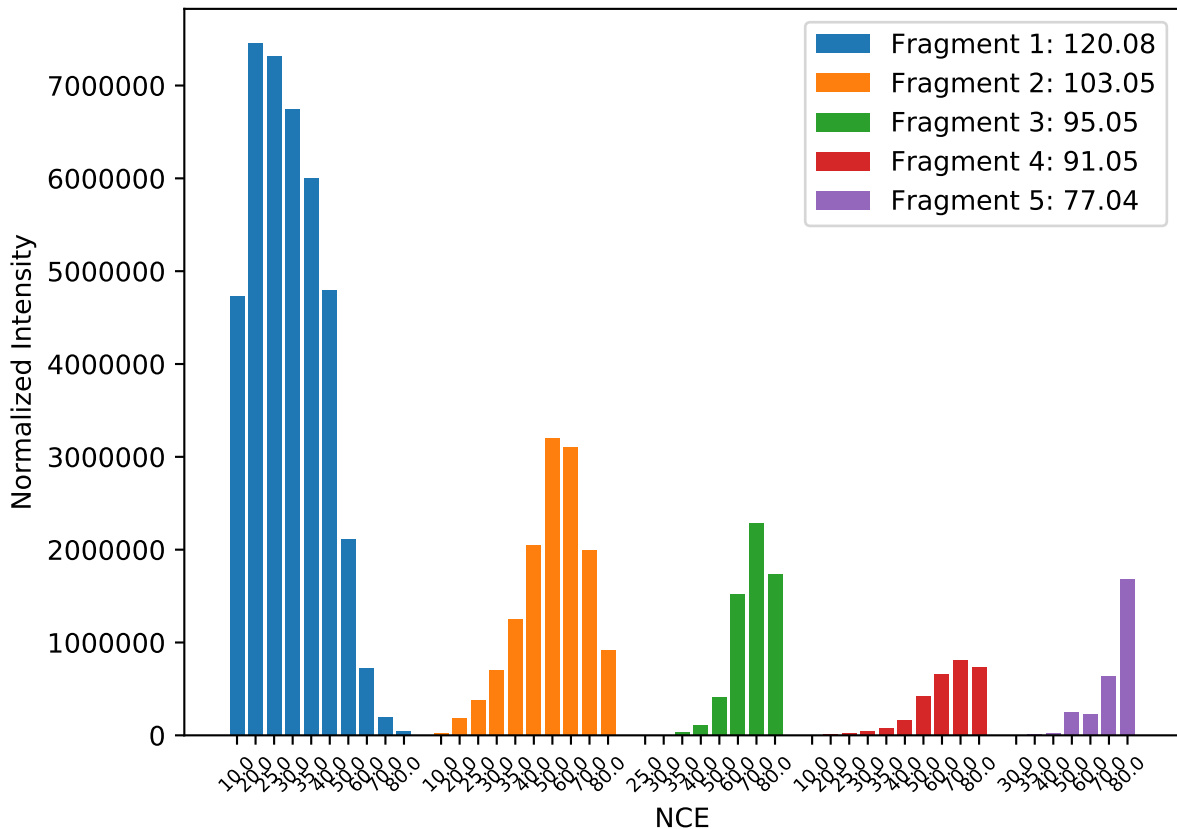
('N-Acetyl-MN6P', 1)



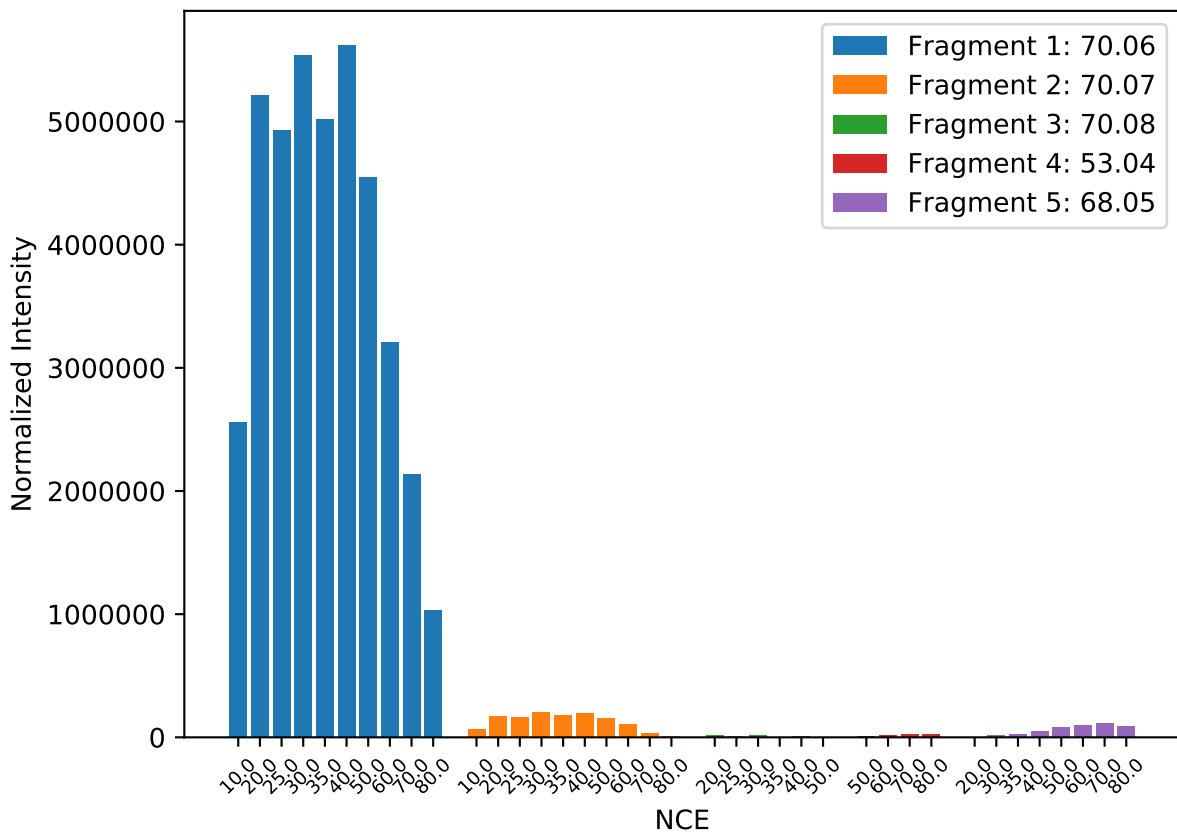
('NANA', 1)



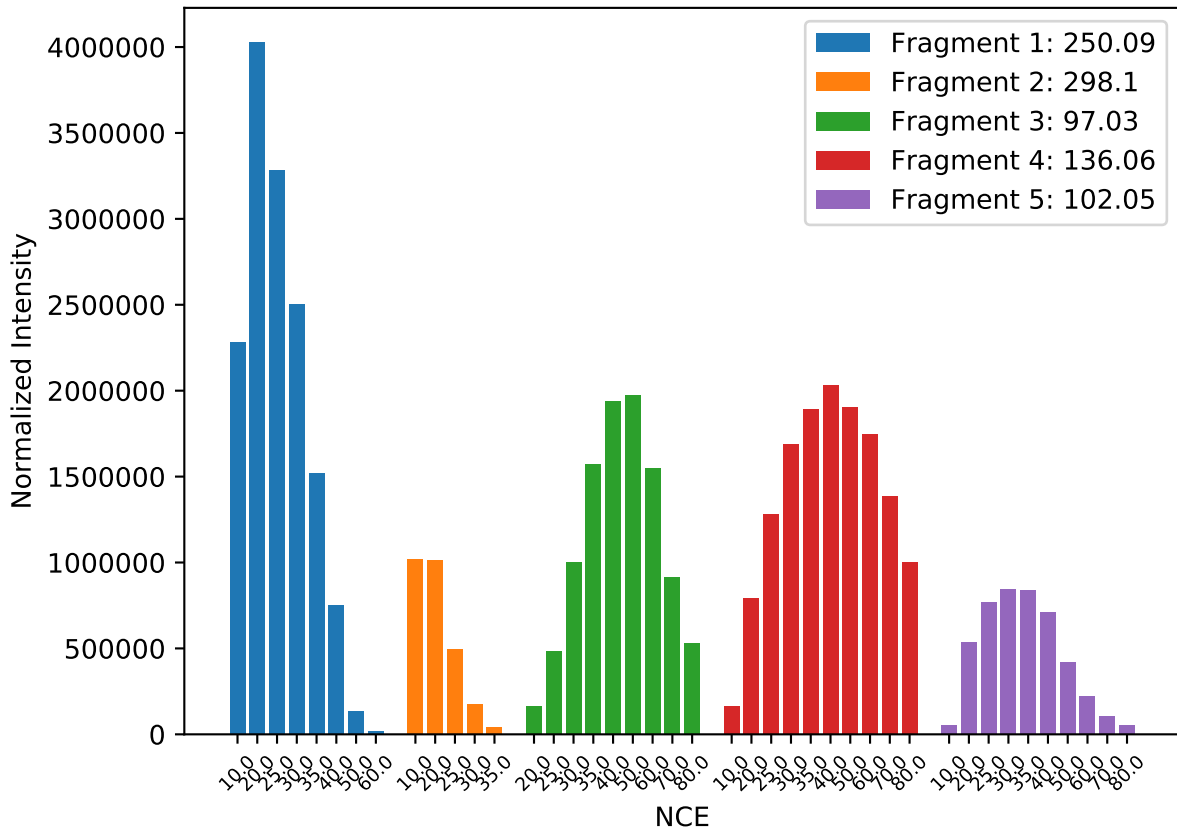
('Phenylalanine', 1)



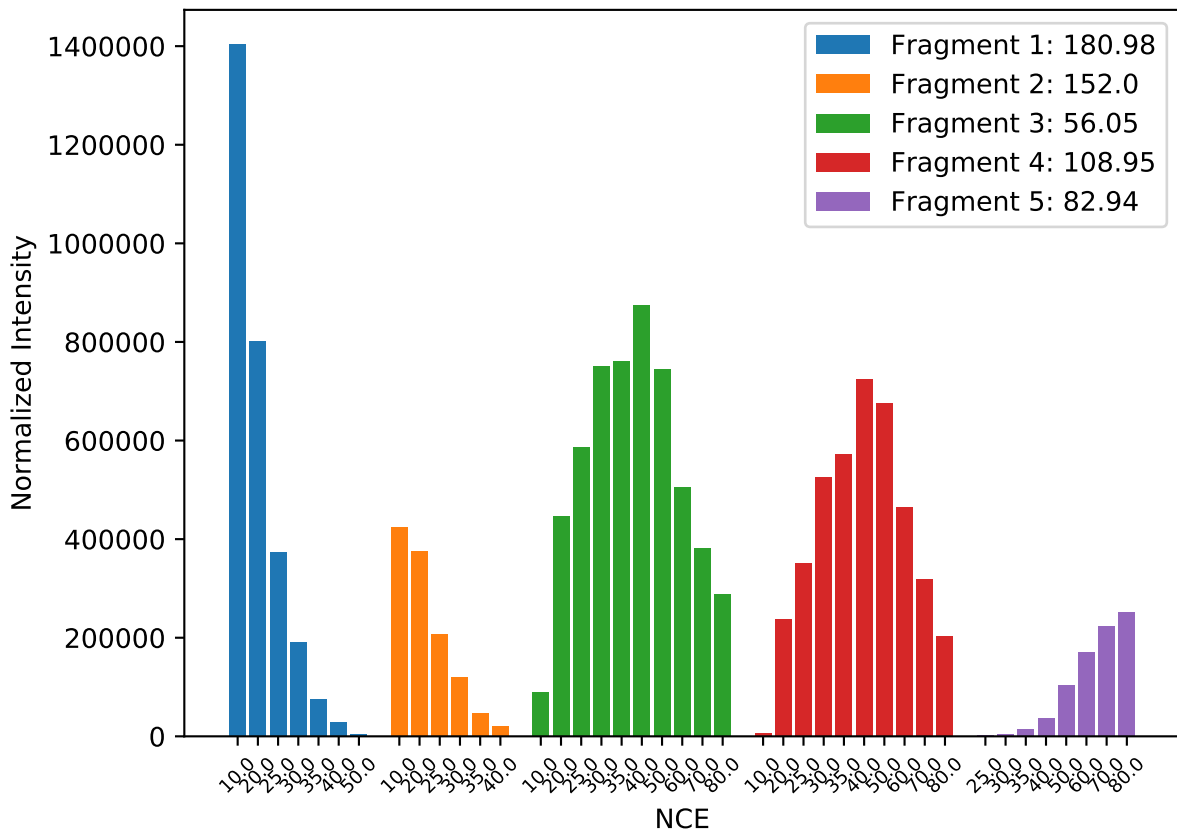
('Proline', 1)



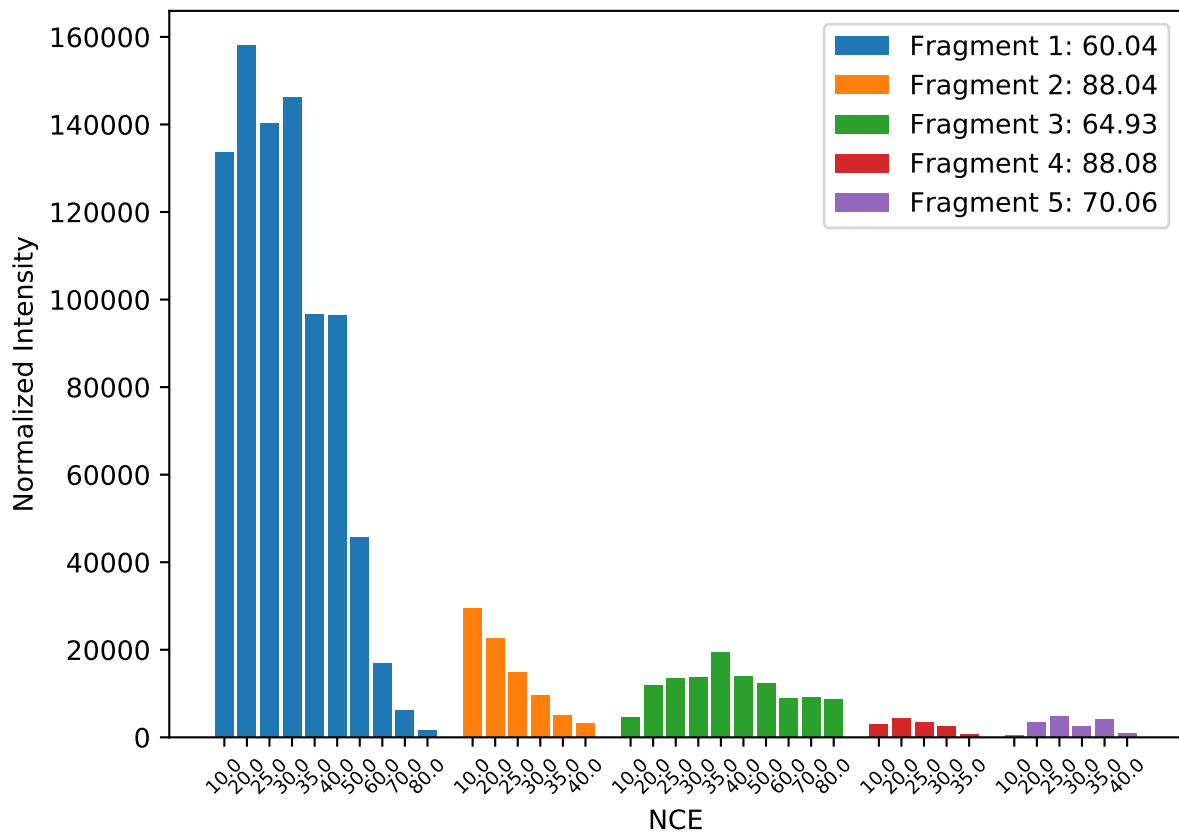
('S-Adenosylmethionine', 1)



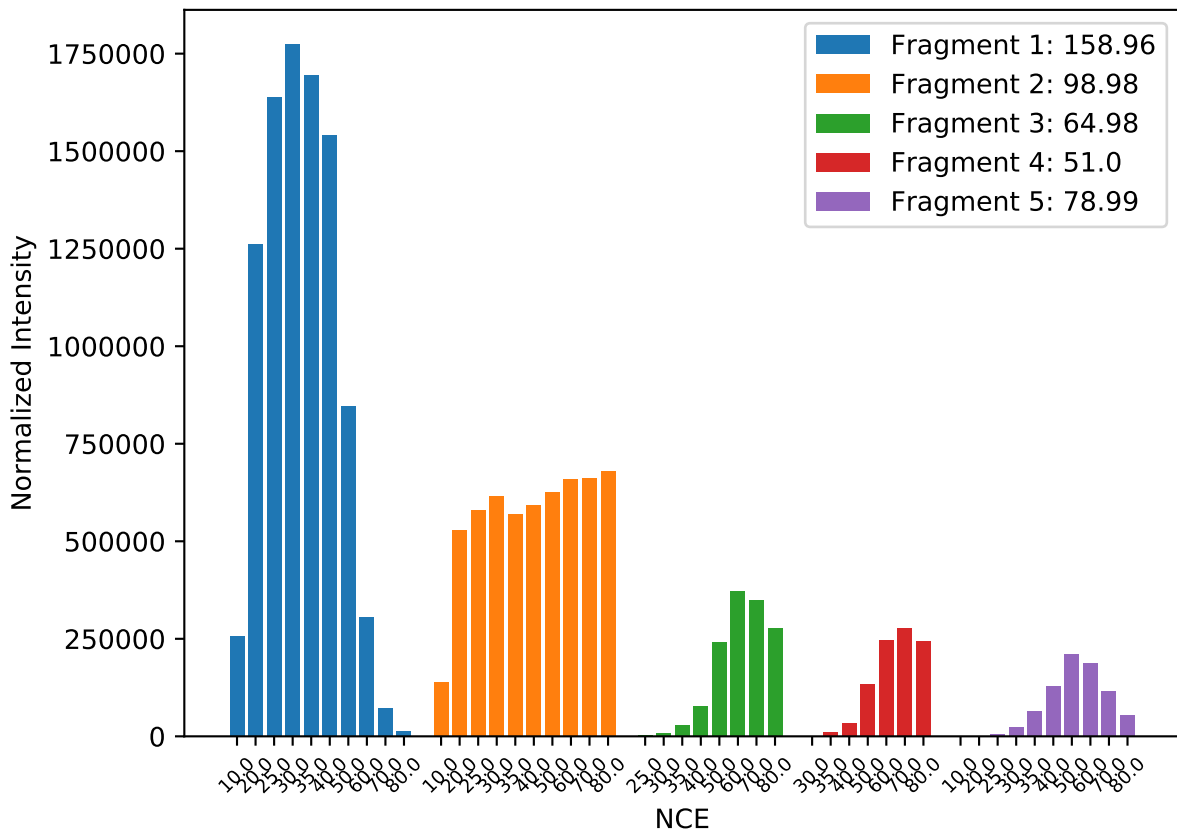
('Selenomethionine', 1)



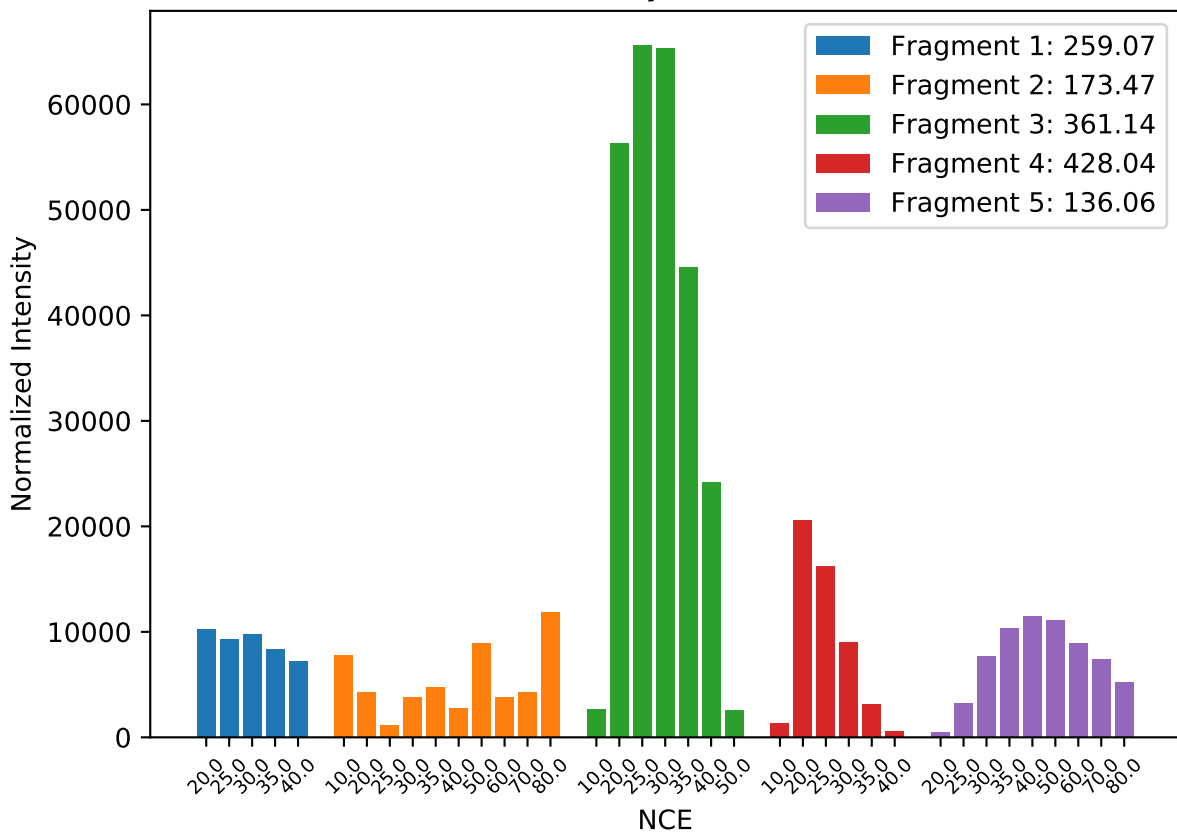
('Serine', 1)



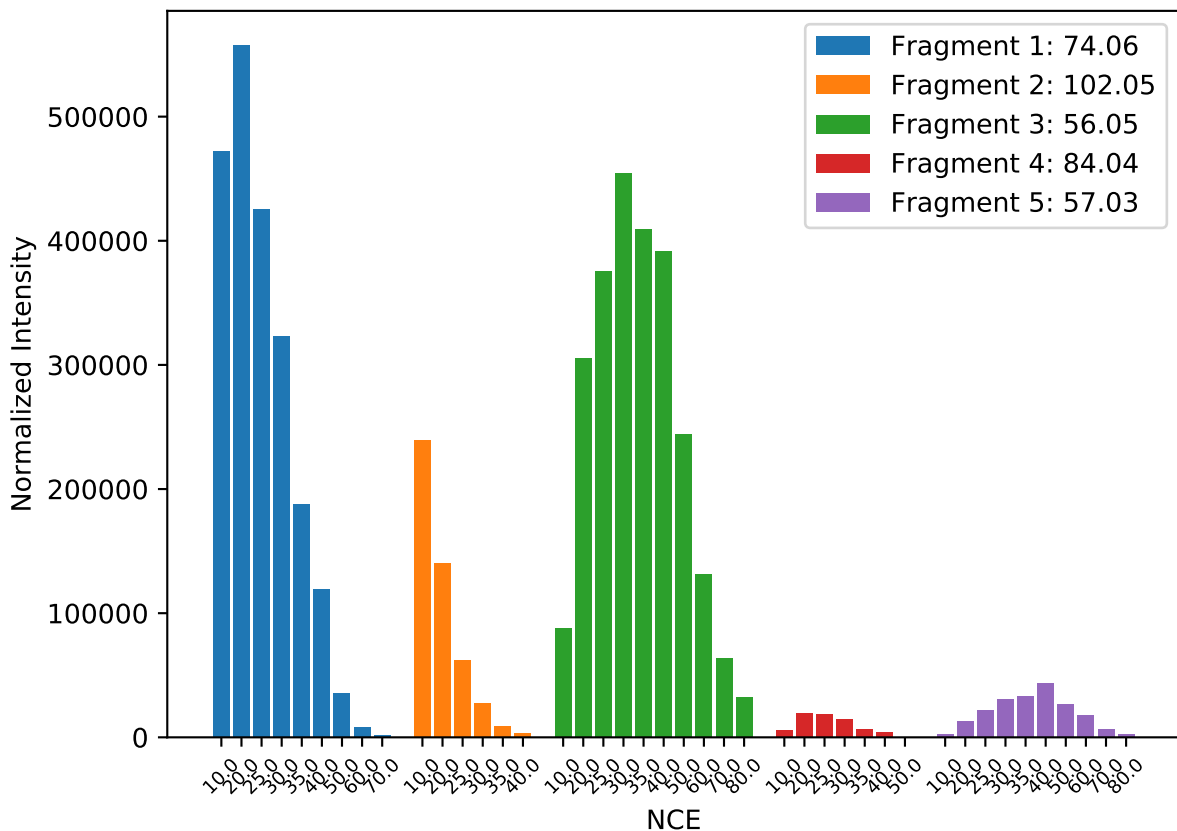
('Serotonin', 1)



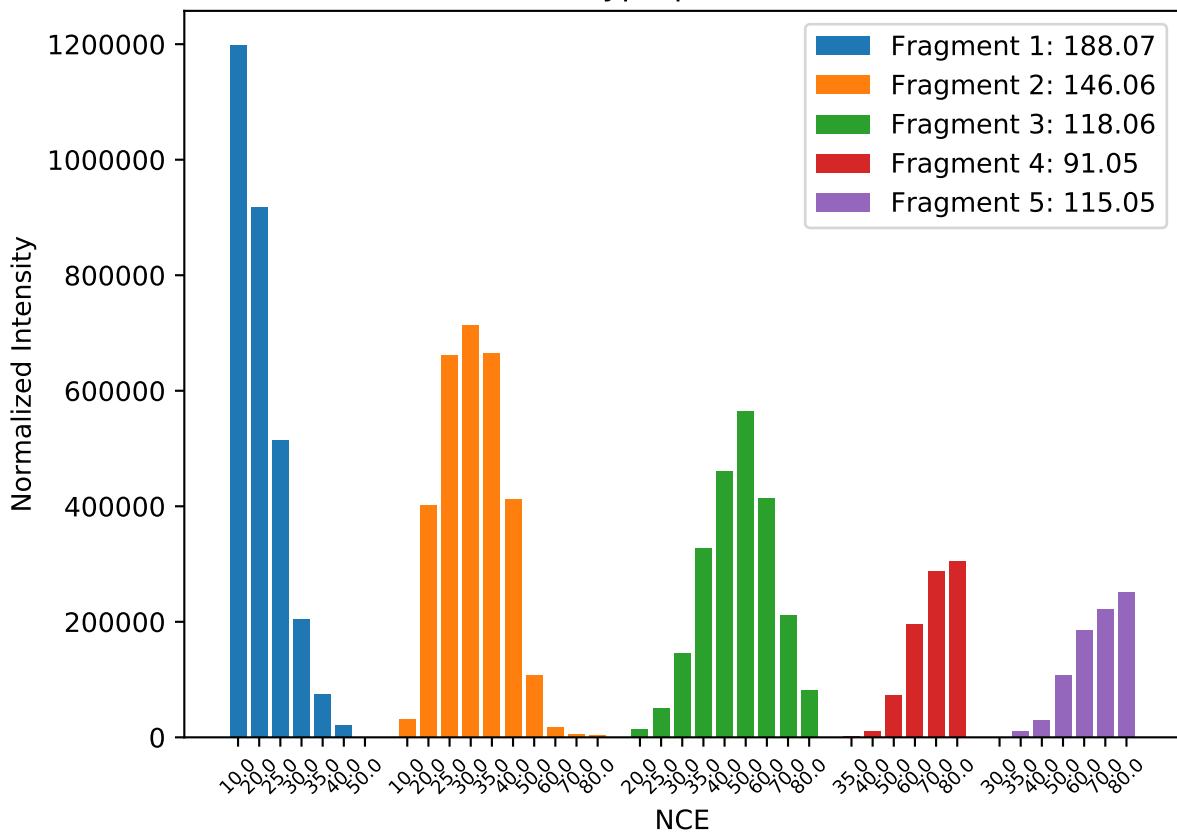
('Succinyl-CoA', 1)



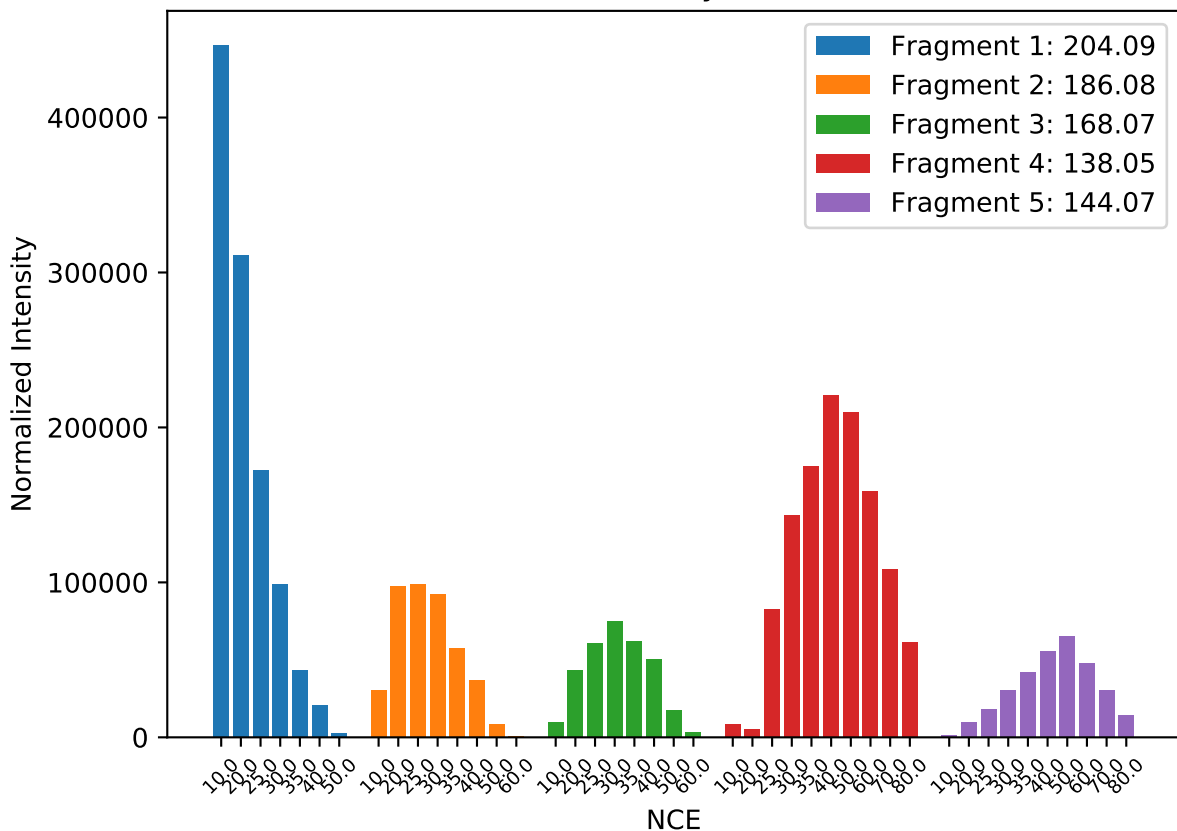
('Threonine', 1)



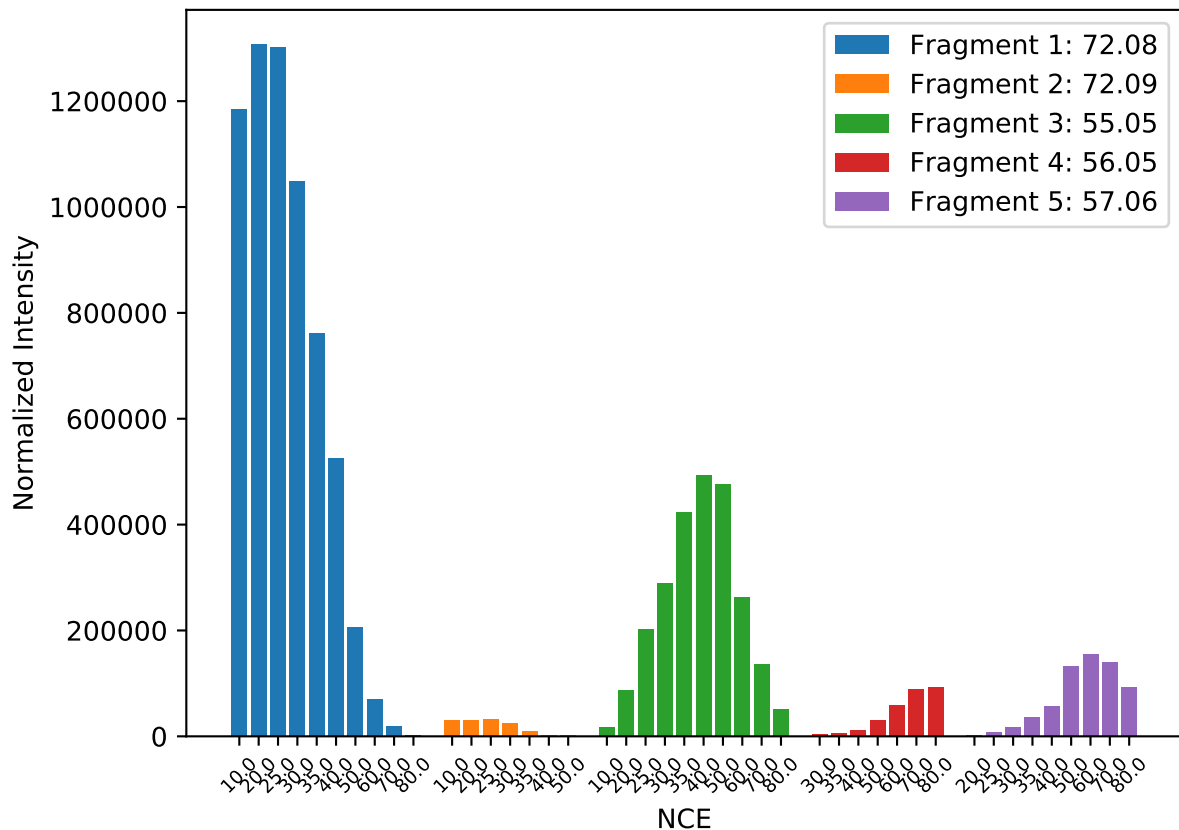
('Tryptophan', 1)



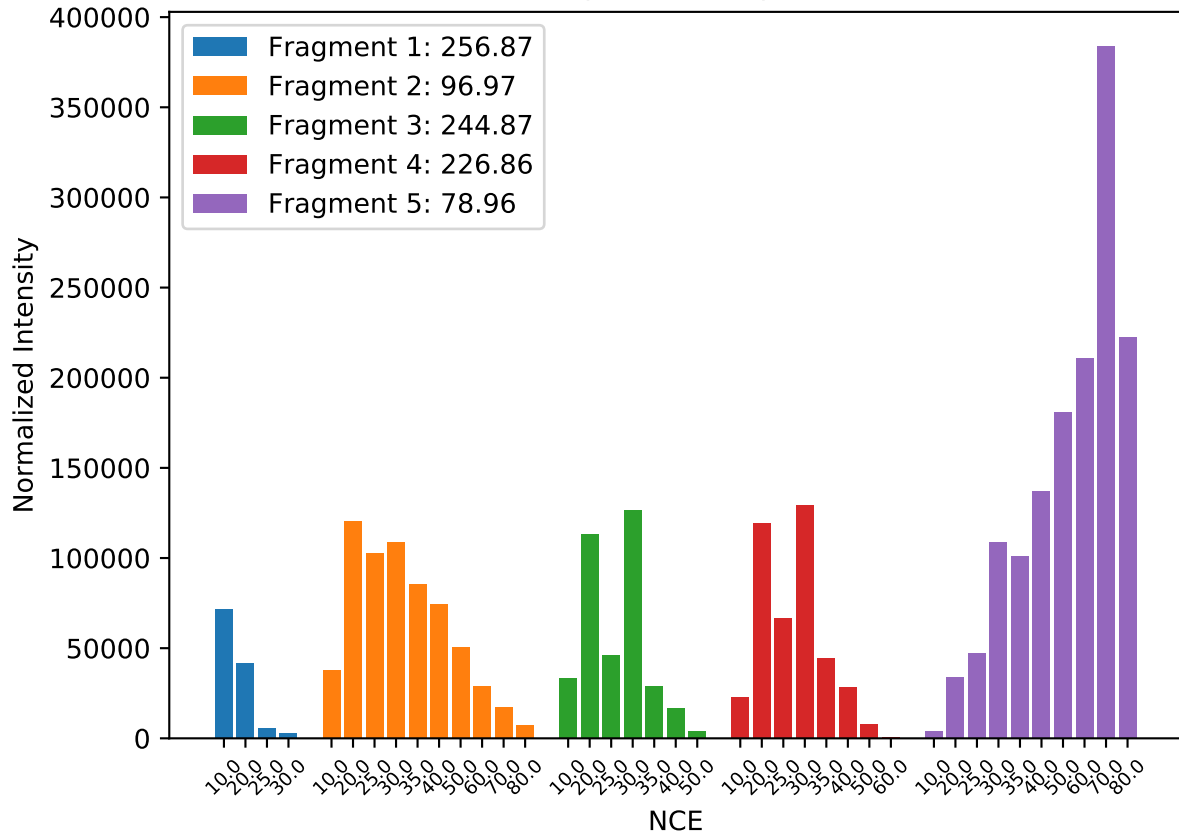
('UDP-N-acetyl-GN', 1)



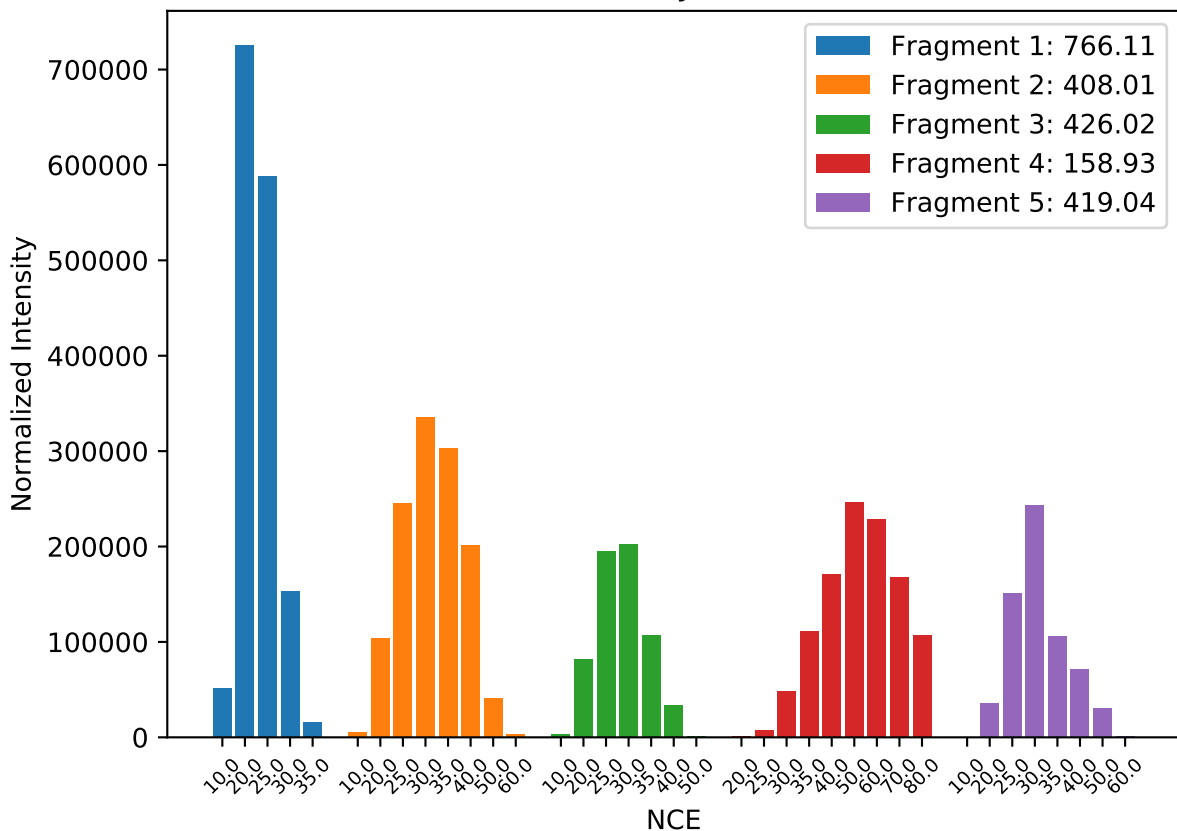
('Valine', 1)



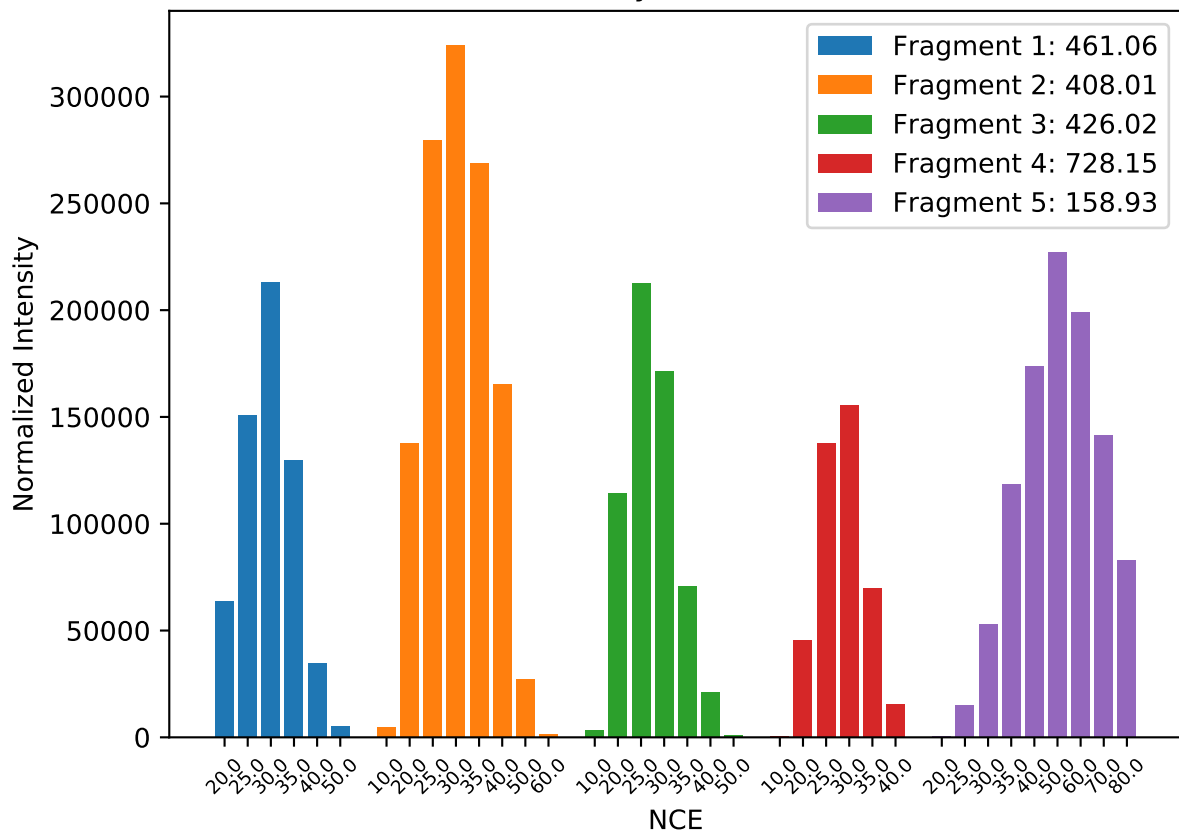
('6-PGA', -1)



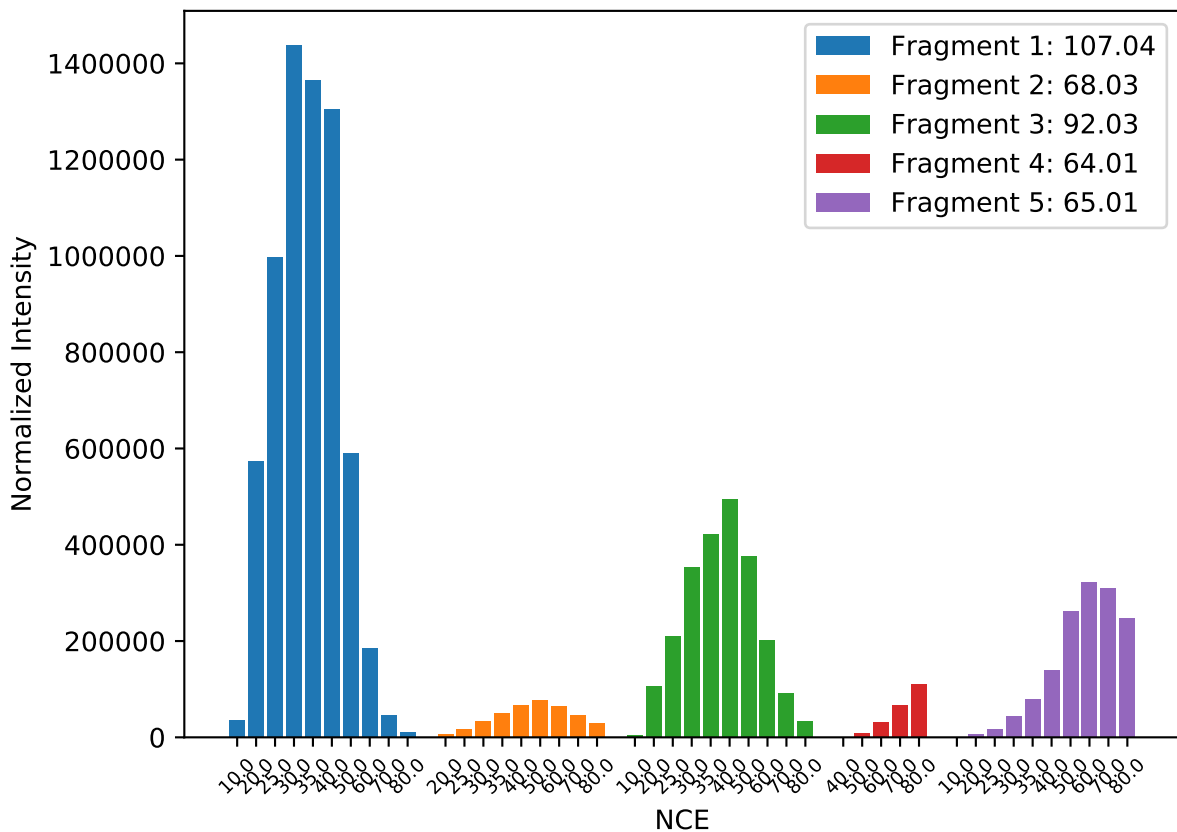
('Acetoacetyl-CoA', -1)



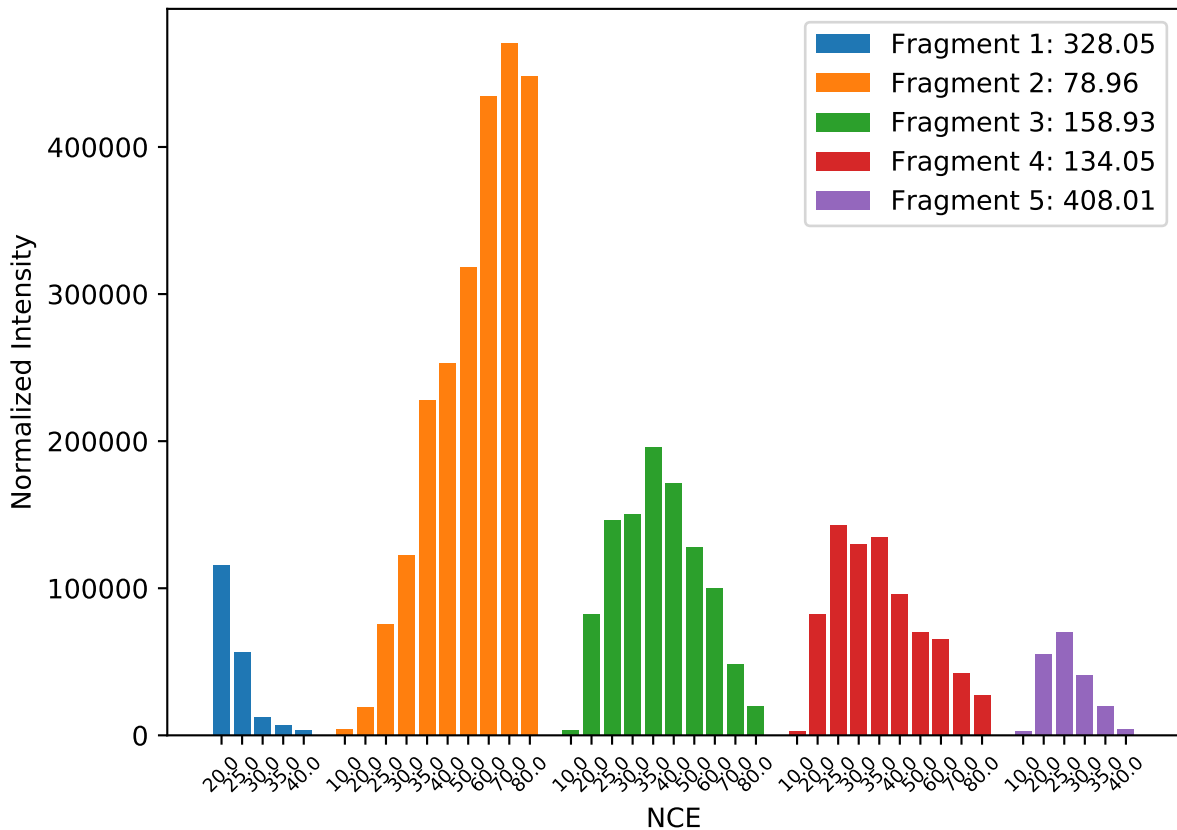
('Acetyl-CoA', -1)



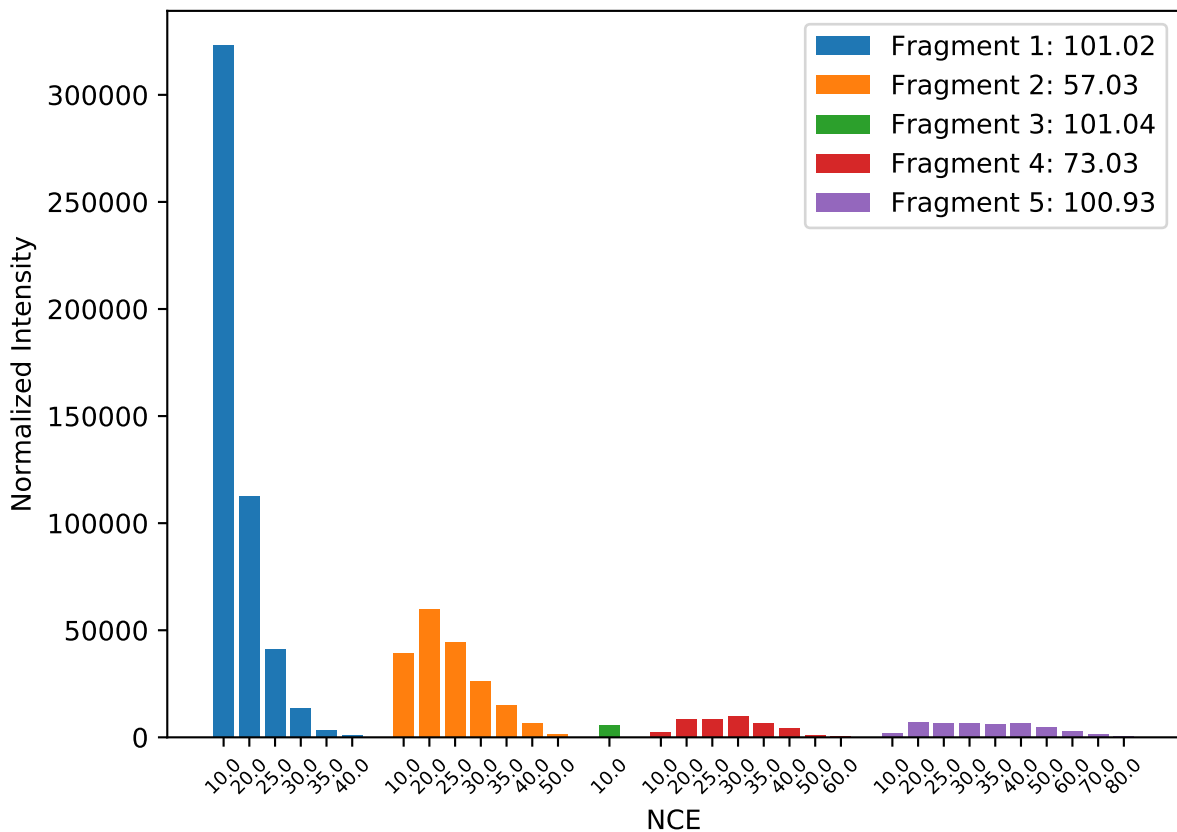
('Adenine', -1)



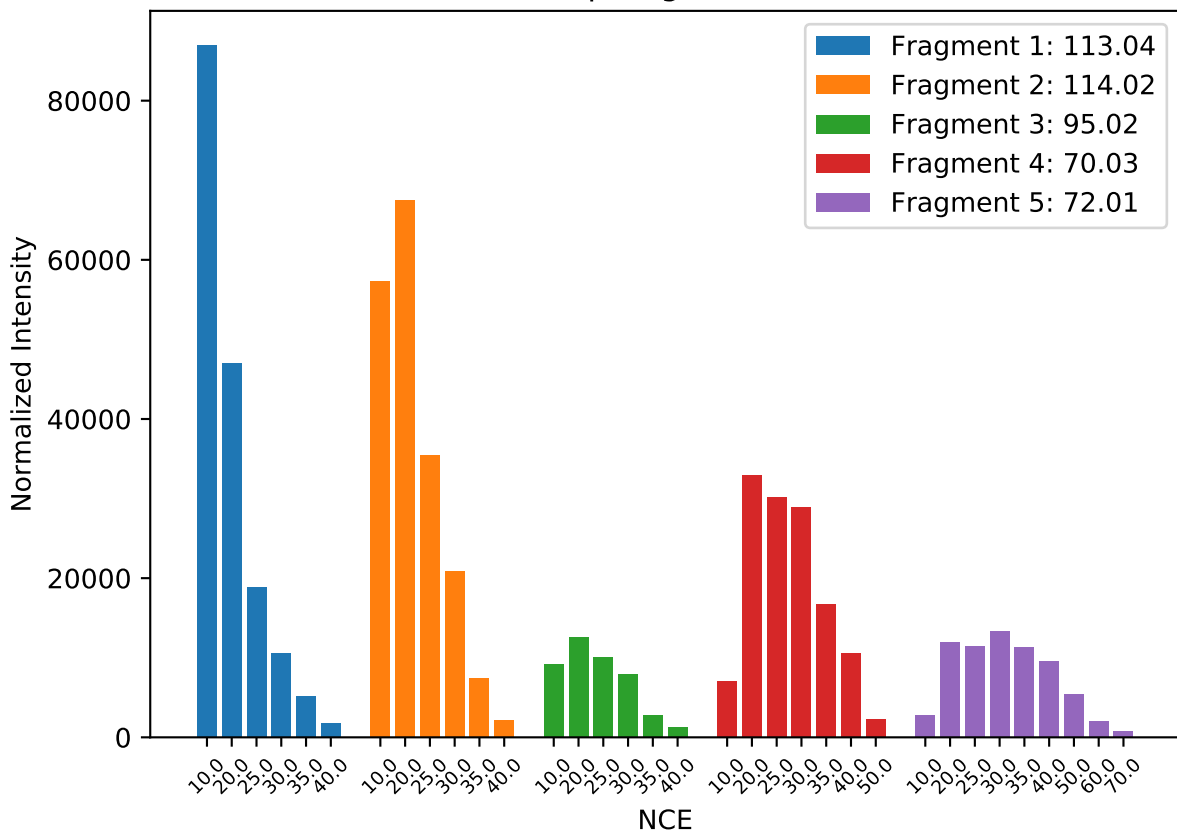
('ADP', -1)



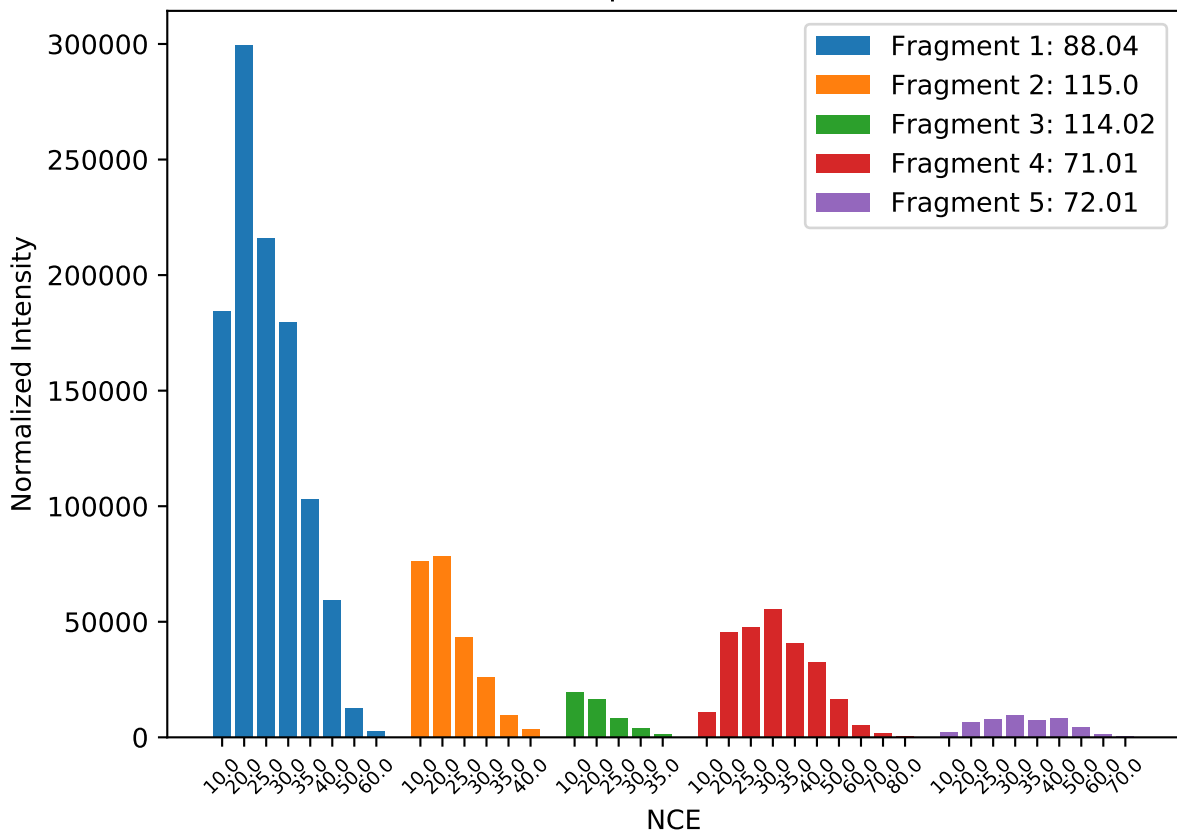
('AKG', -1)



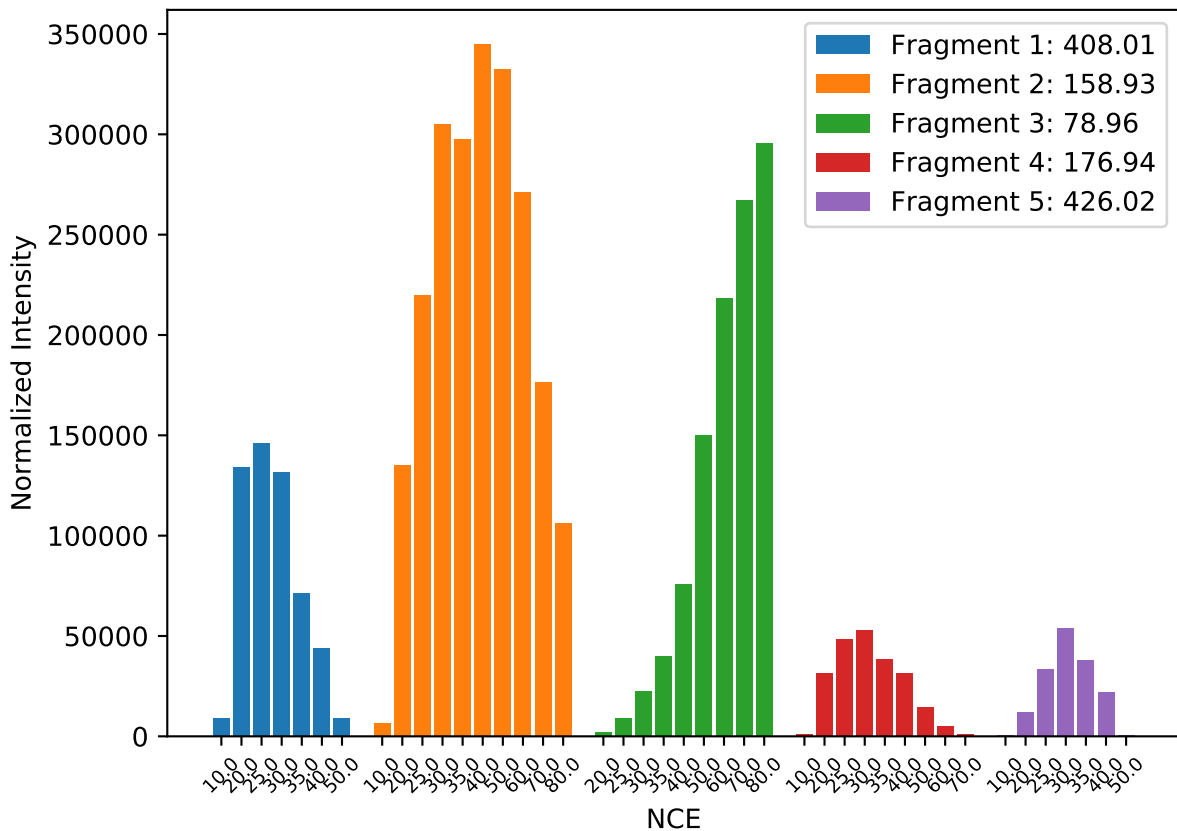
('Asparagine', -1)



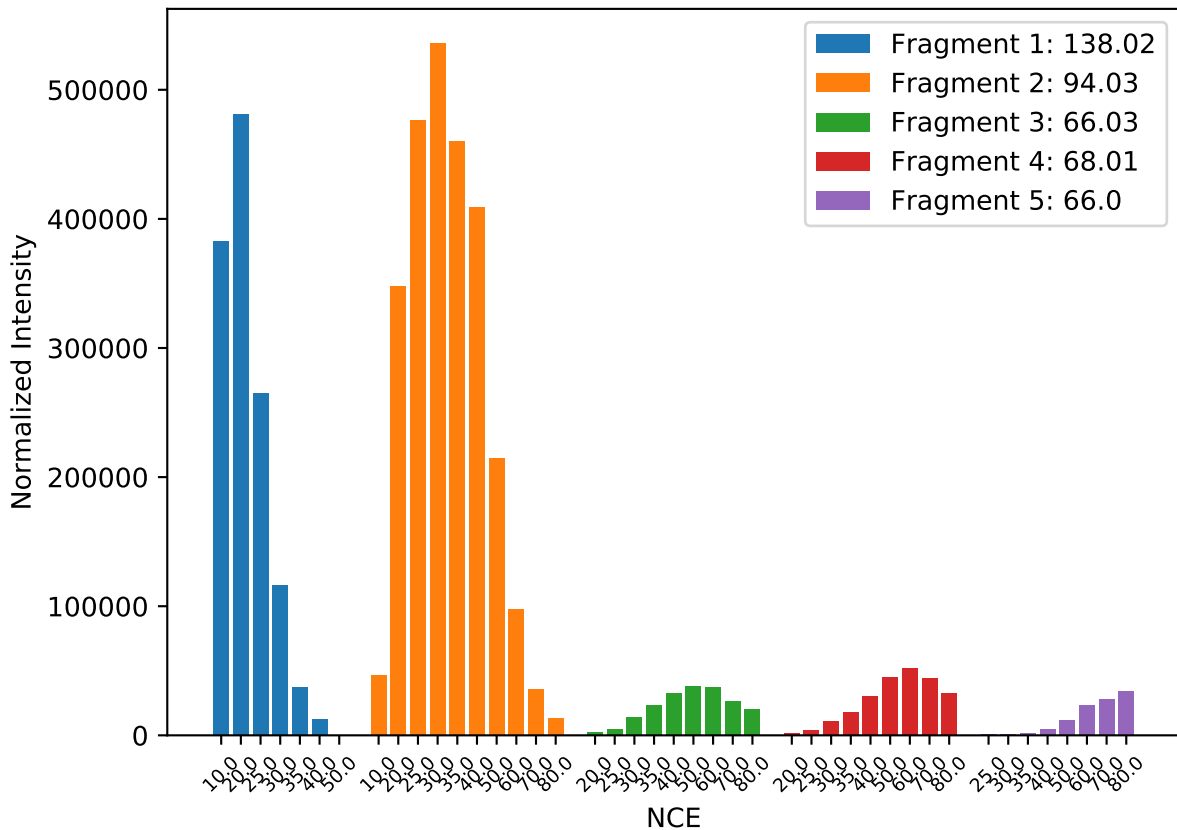
('Aspartate', -1)



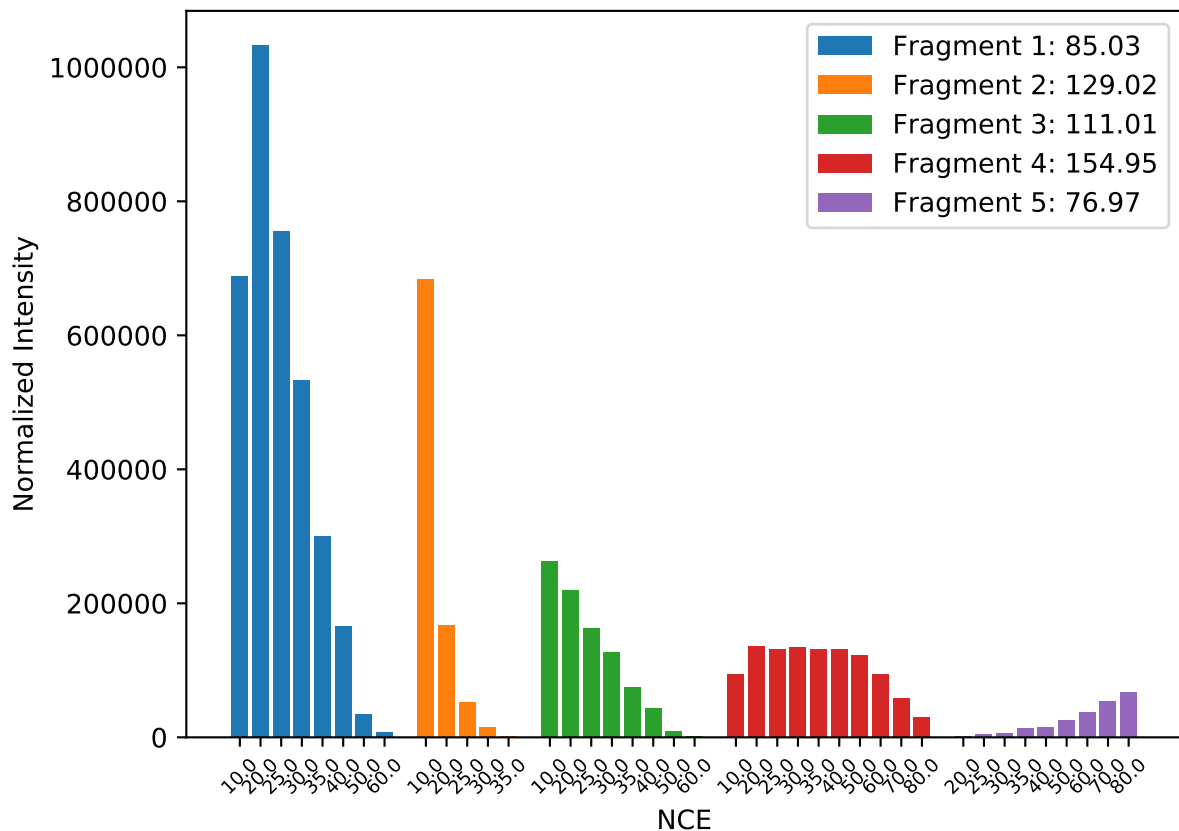
('ATP', -1)



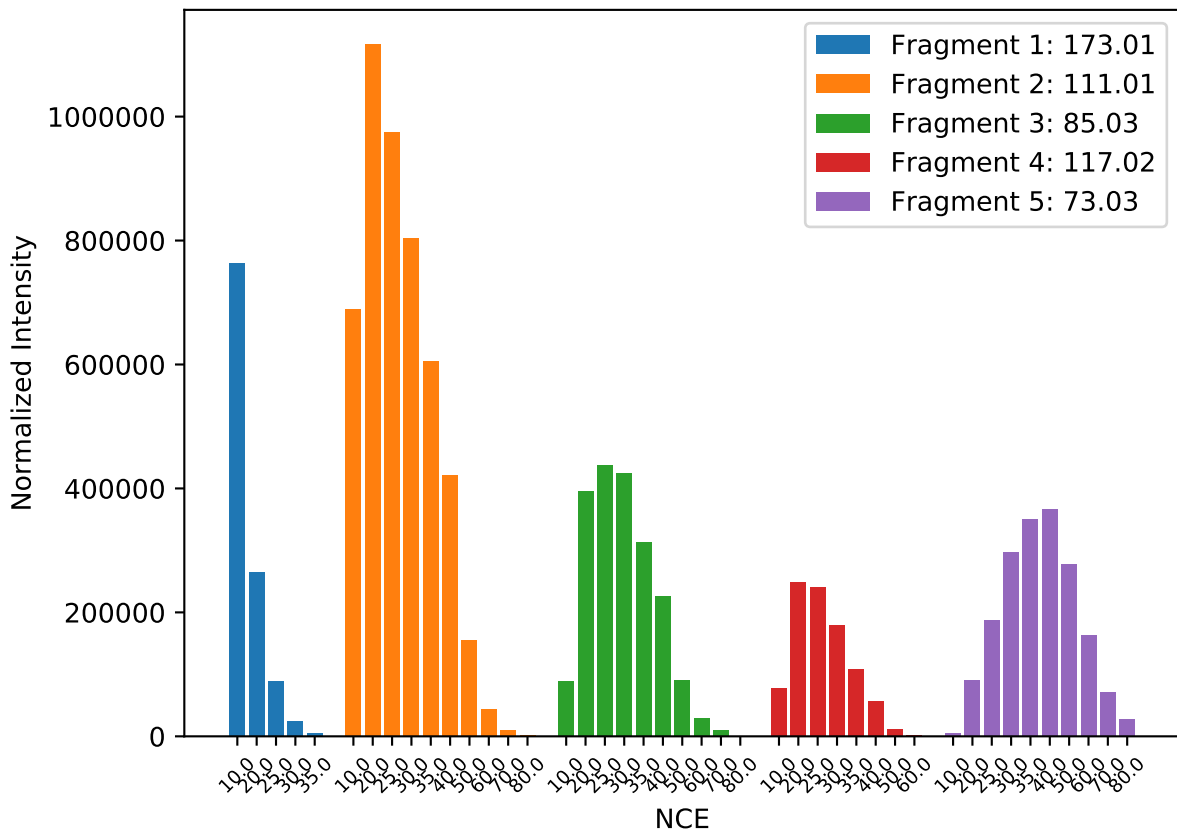
('Chelidamate', -1)



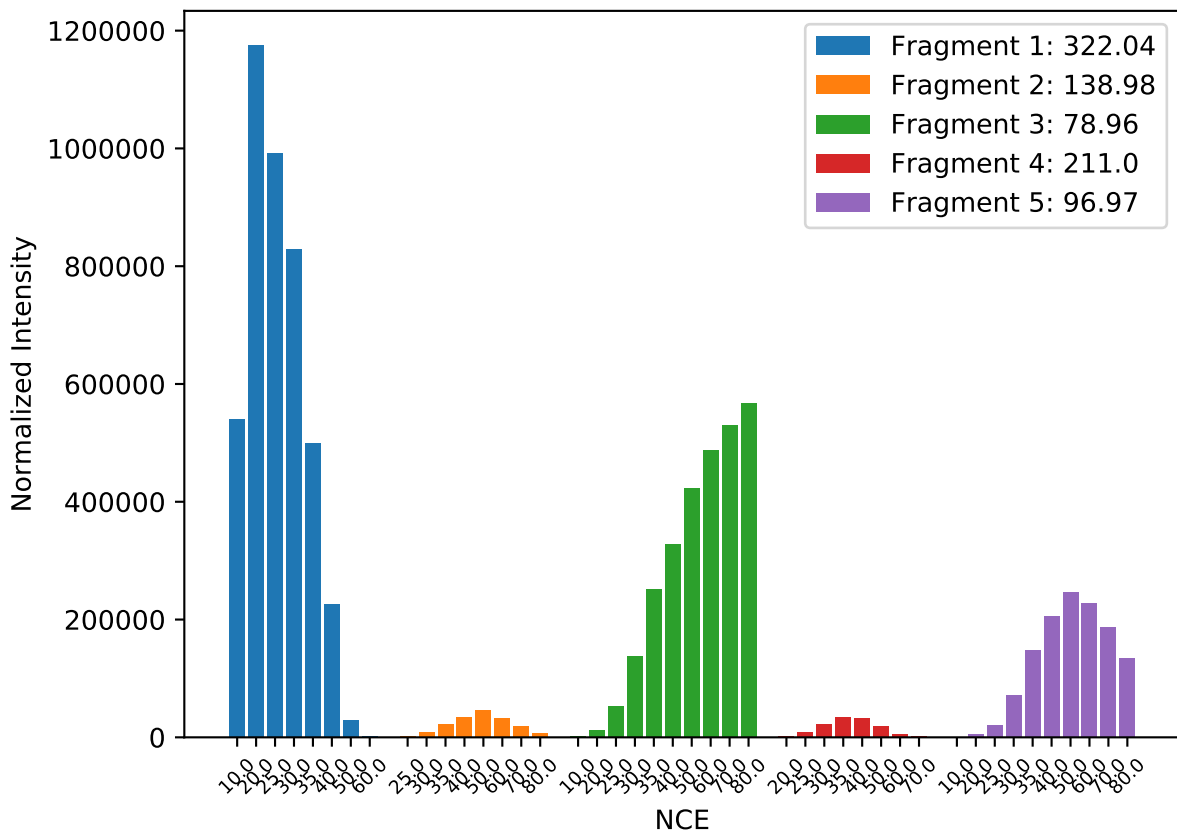
('cis-Aconitate', -1)



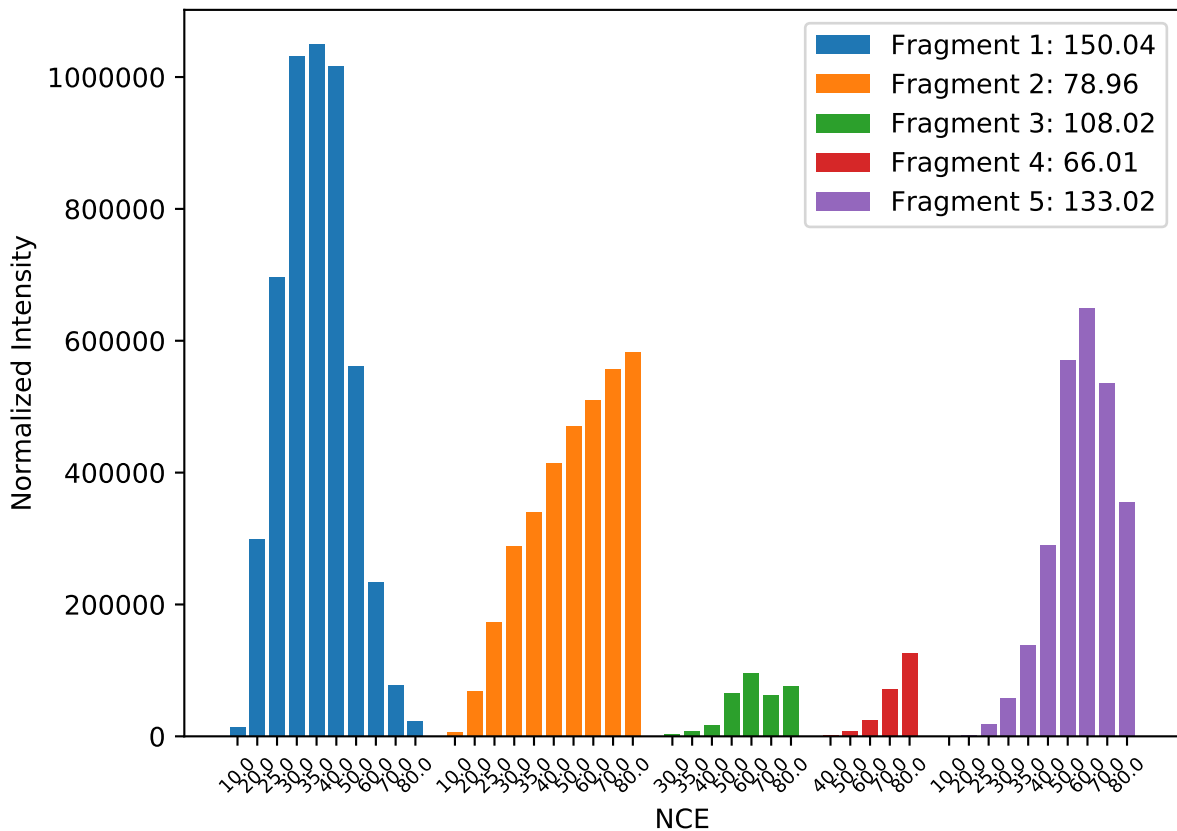
('Citrate', -1)



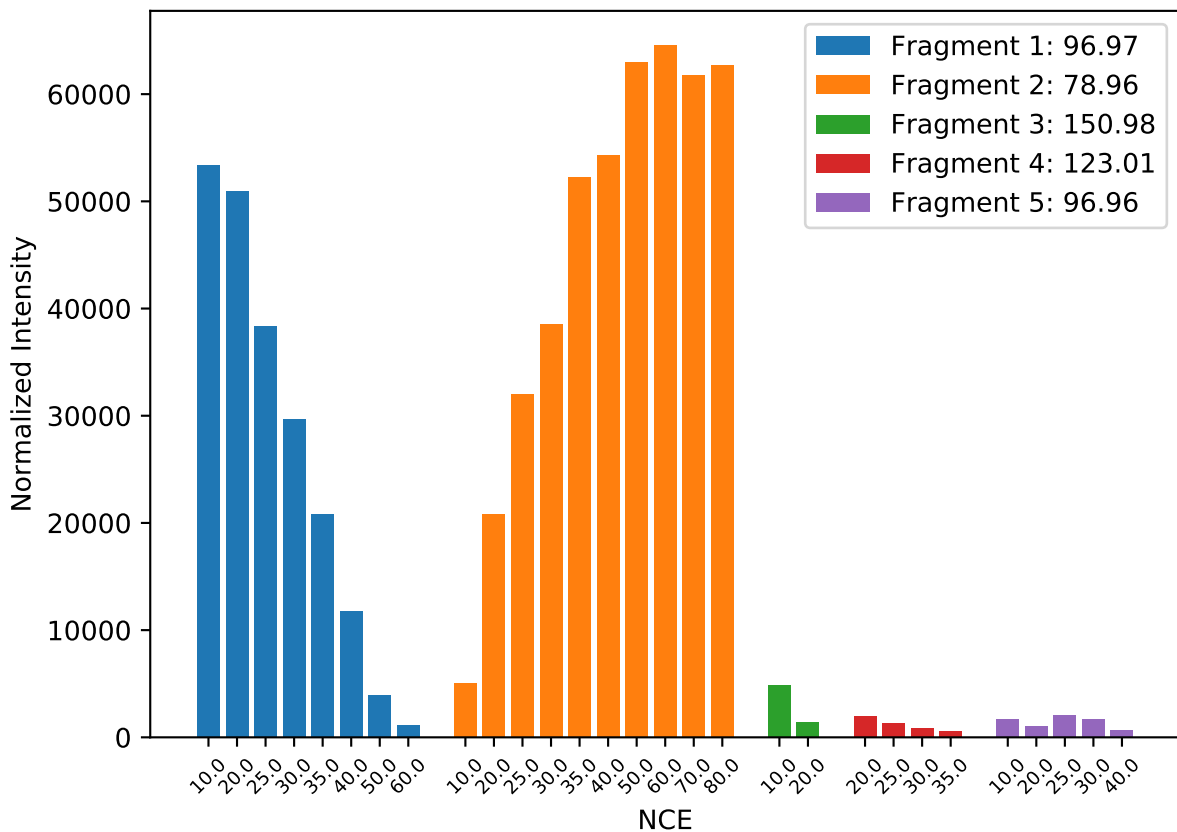
('CMP-sialic-acid', -1)



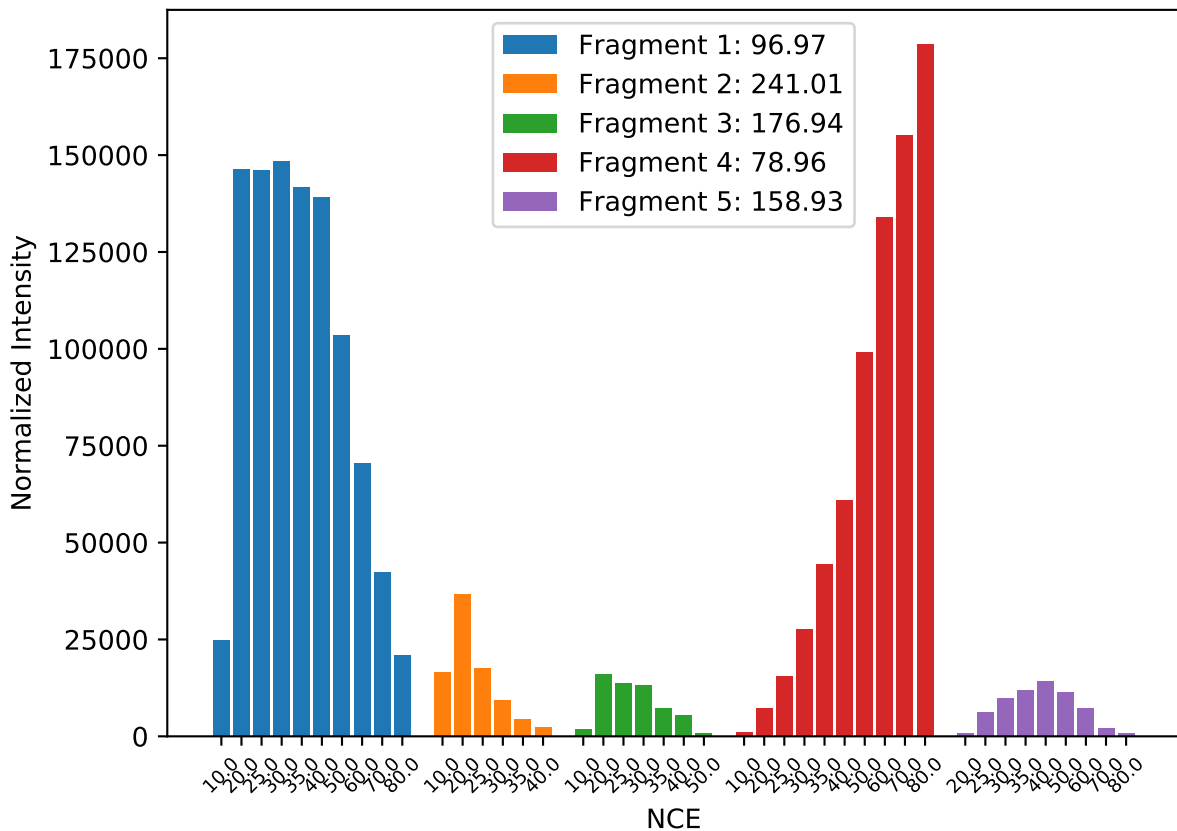
('cGMP', -1)



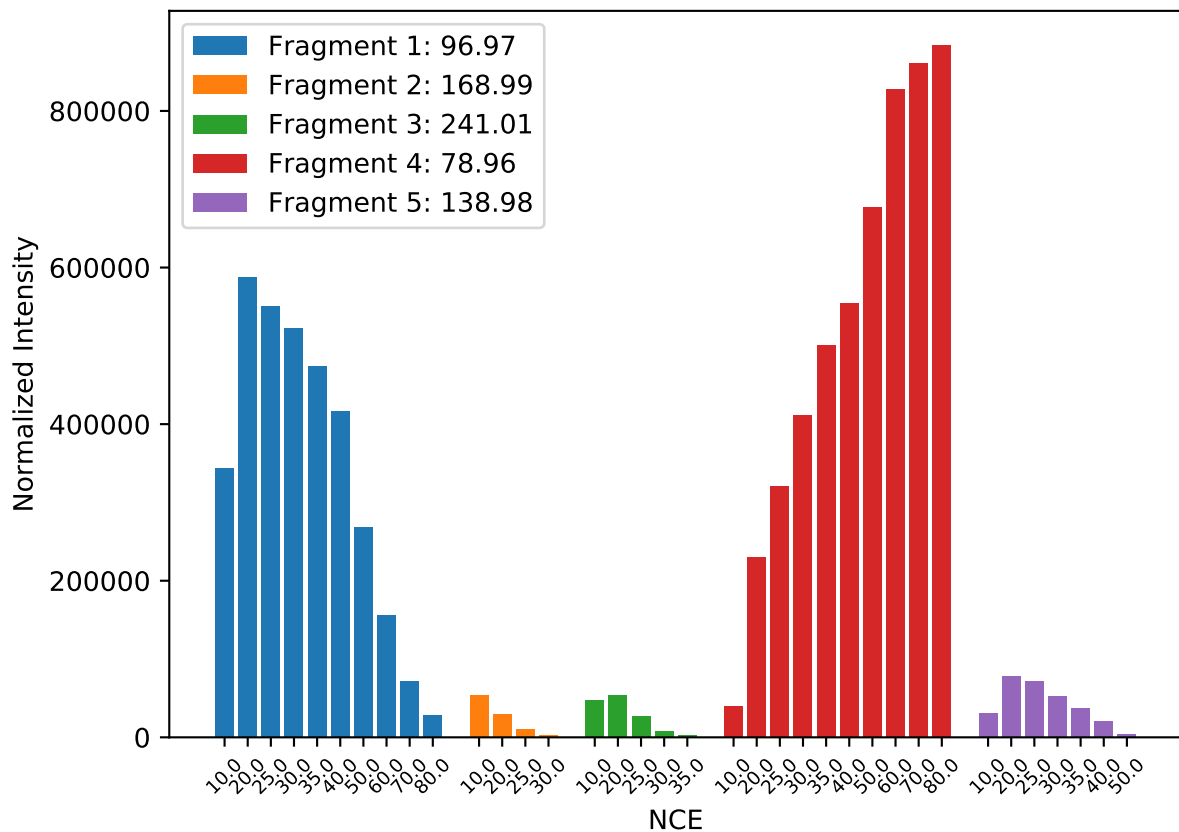
('DHAP', -1)



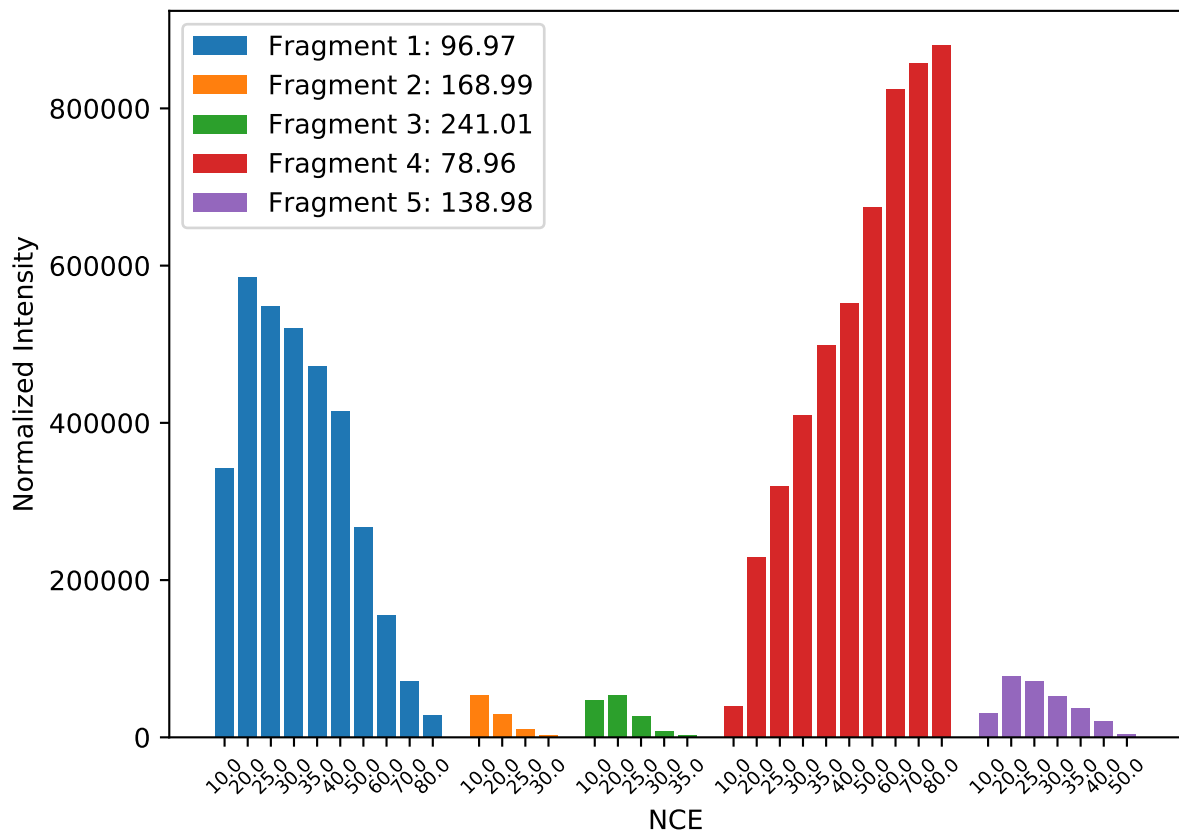
('FBP', -1)



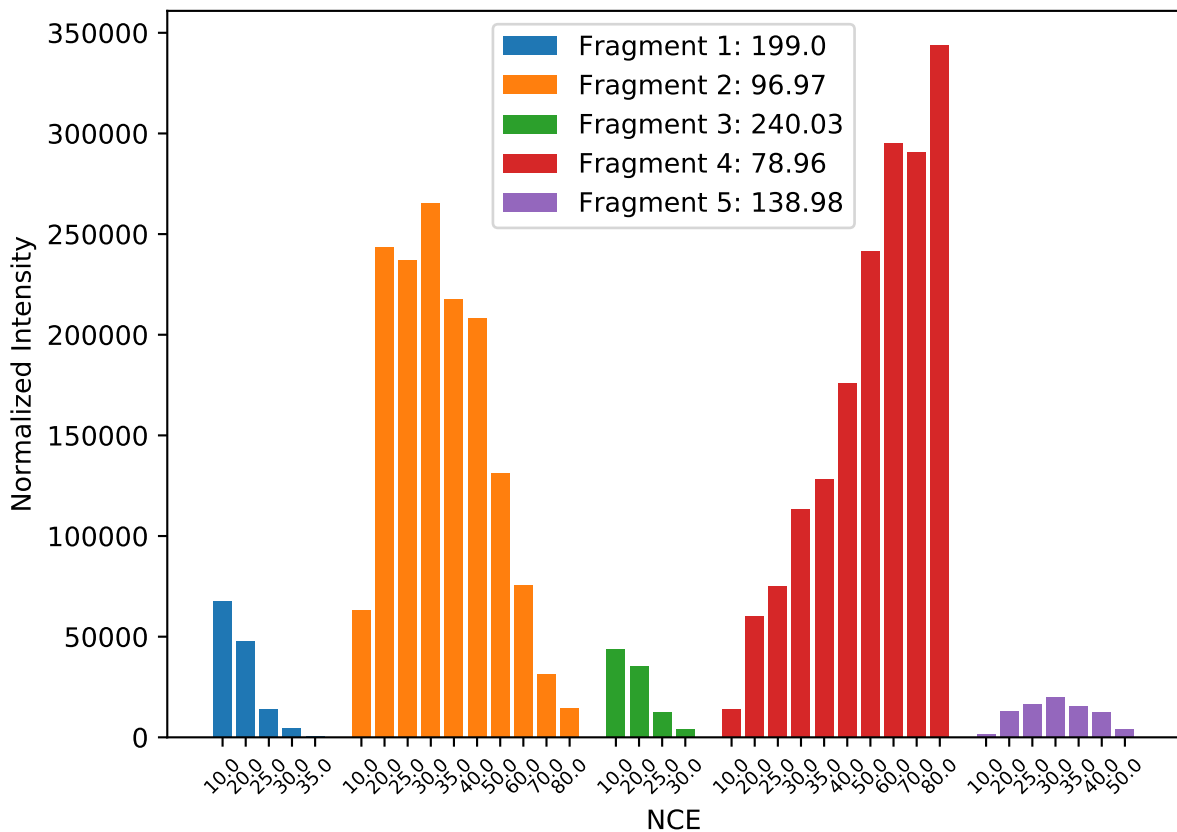
('F6P', -1)



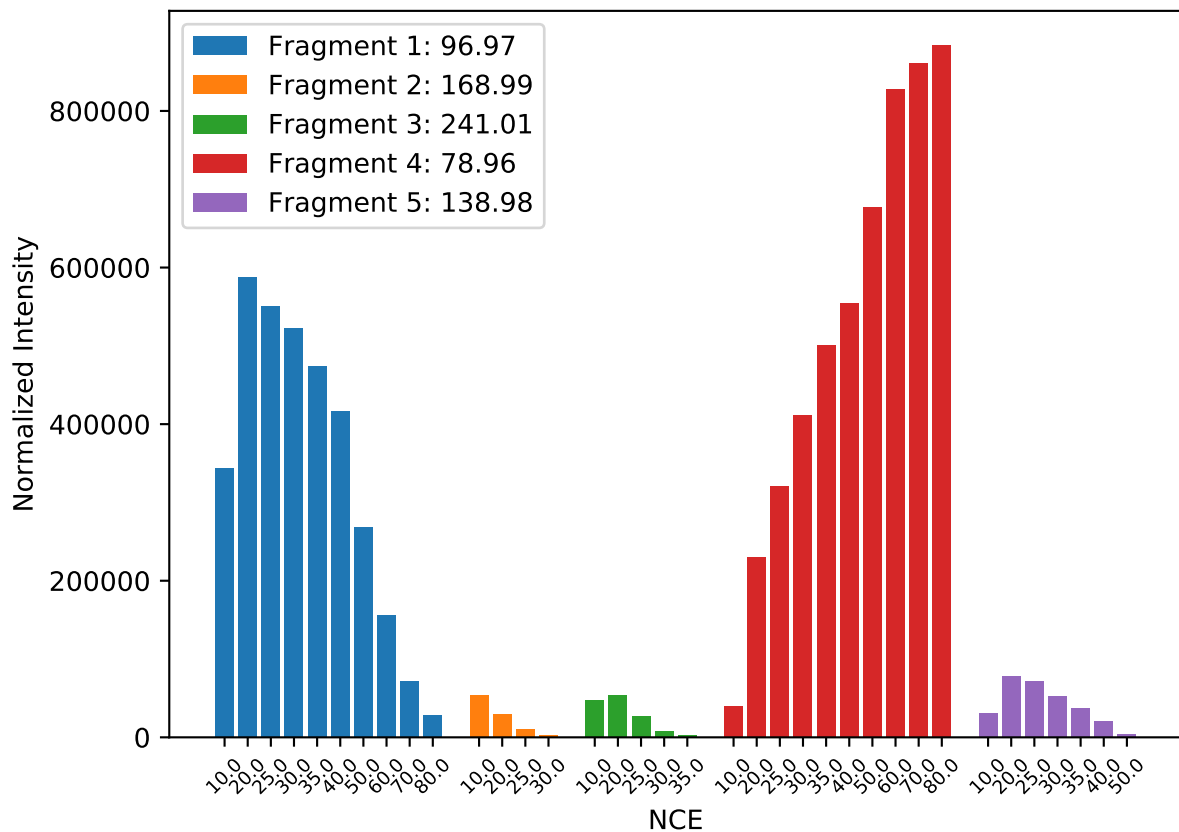
('G1P', -1)



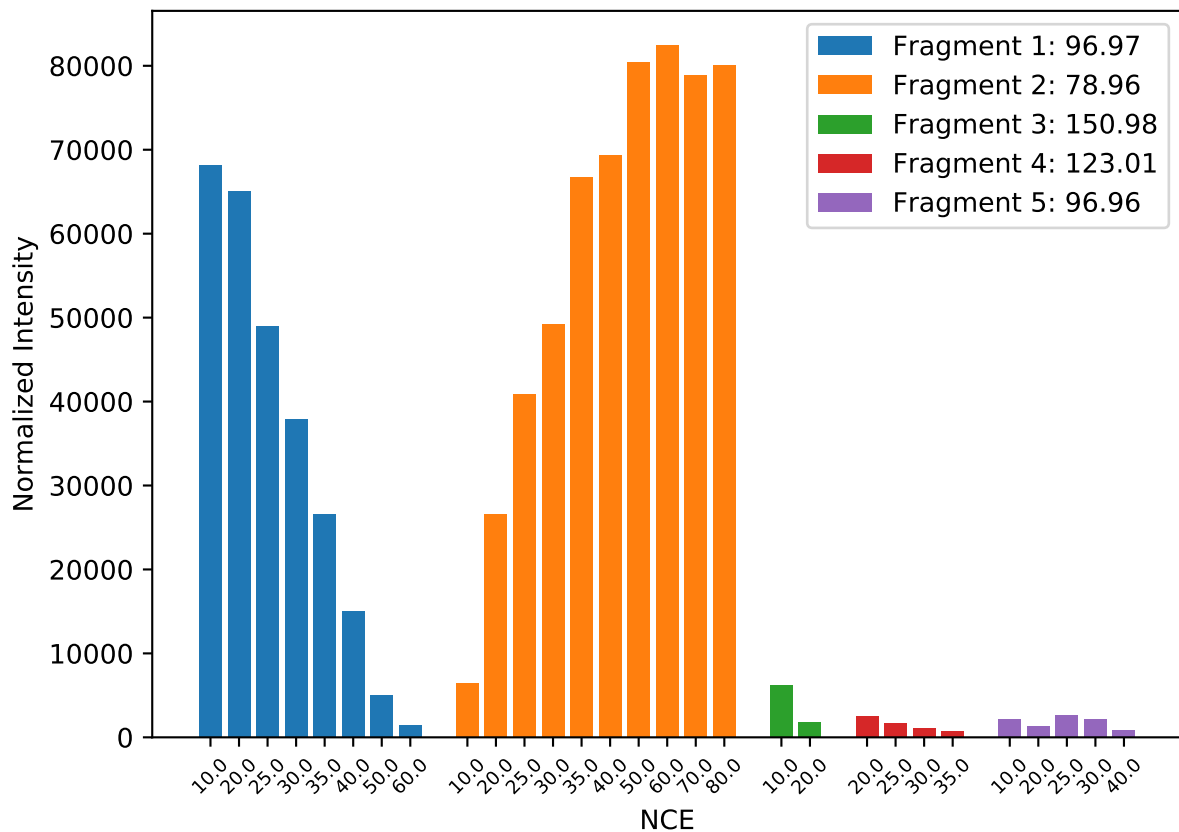
('GN6P', -1)



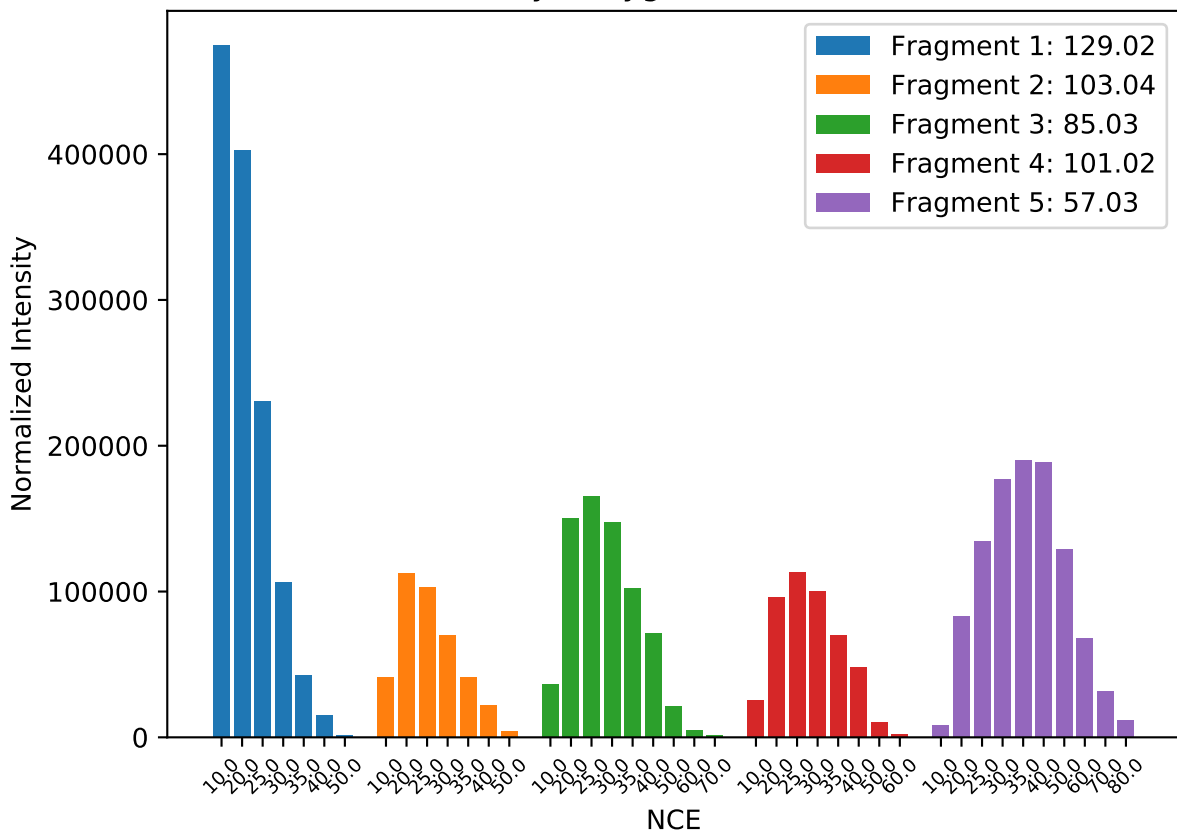
('G6P', -1)



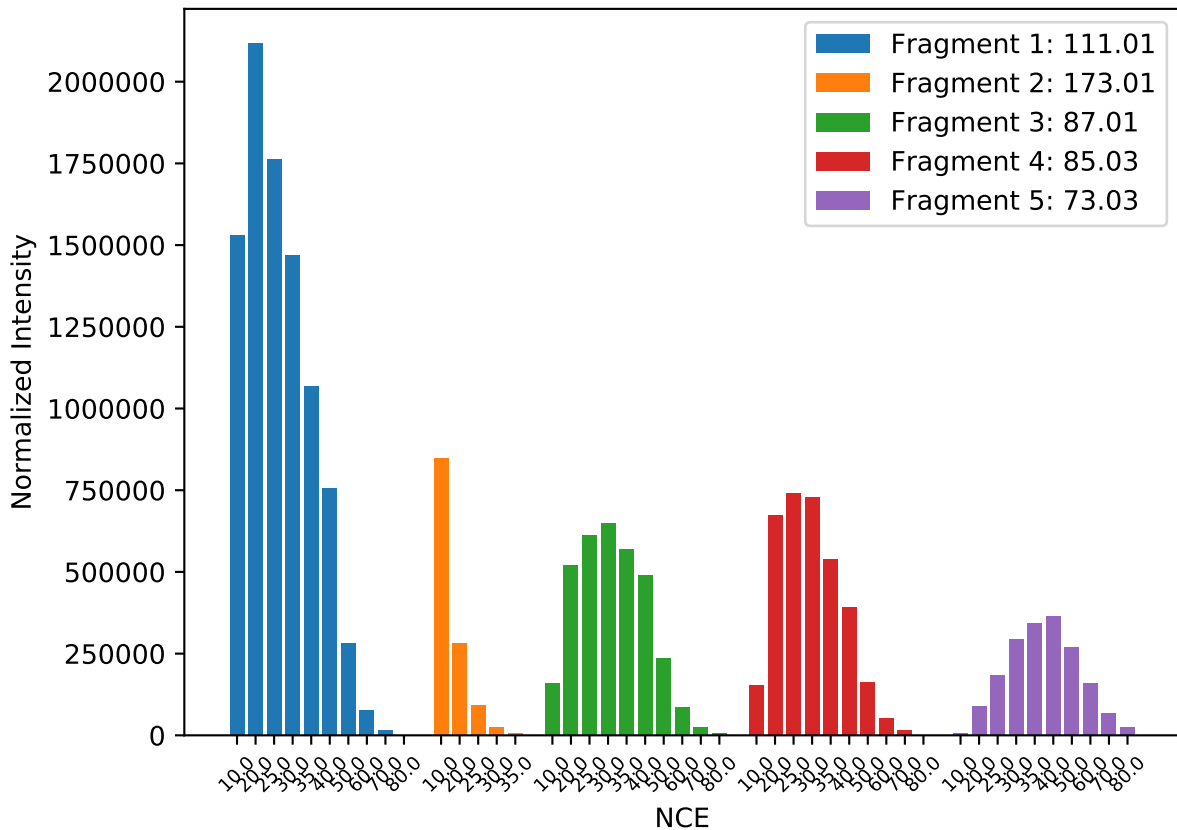
('G3P', -1)



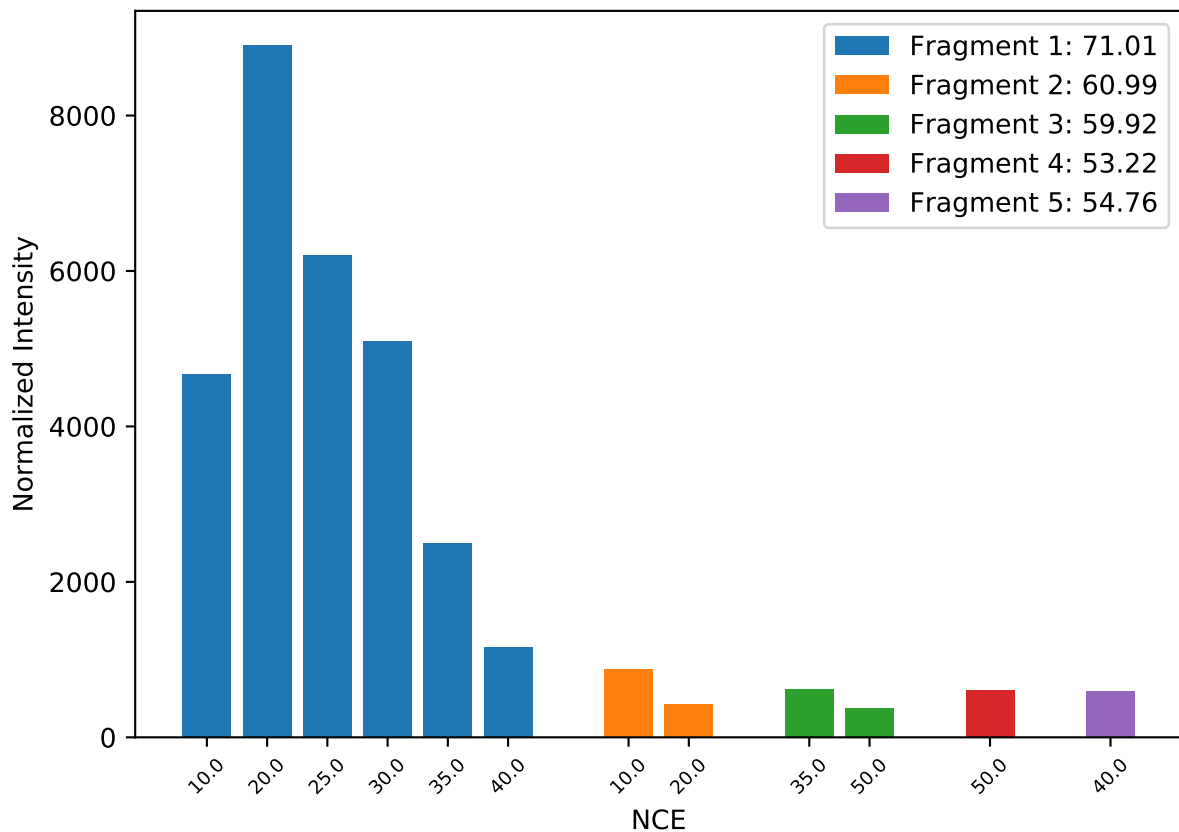
('Hydroxyglutarate', -1)



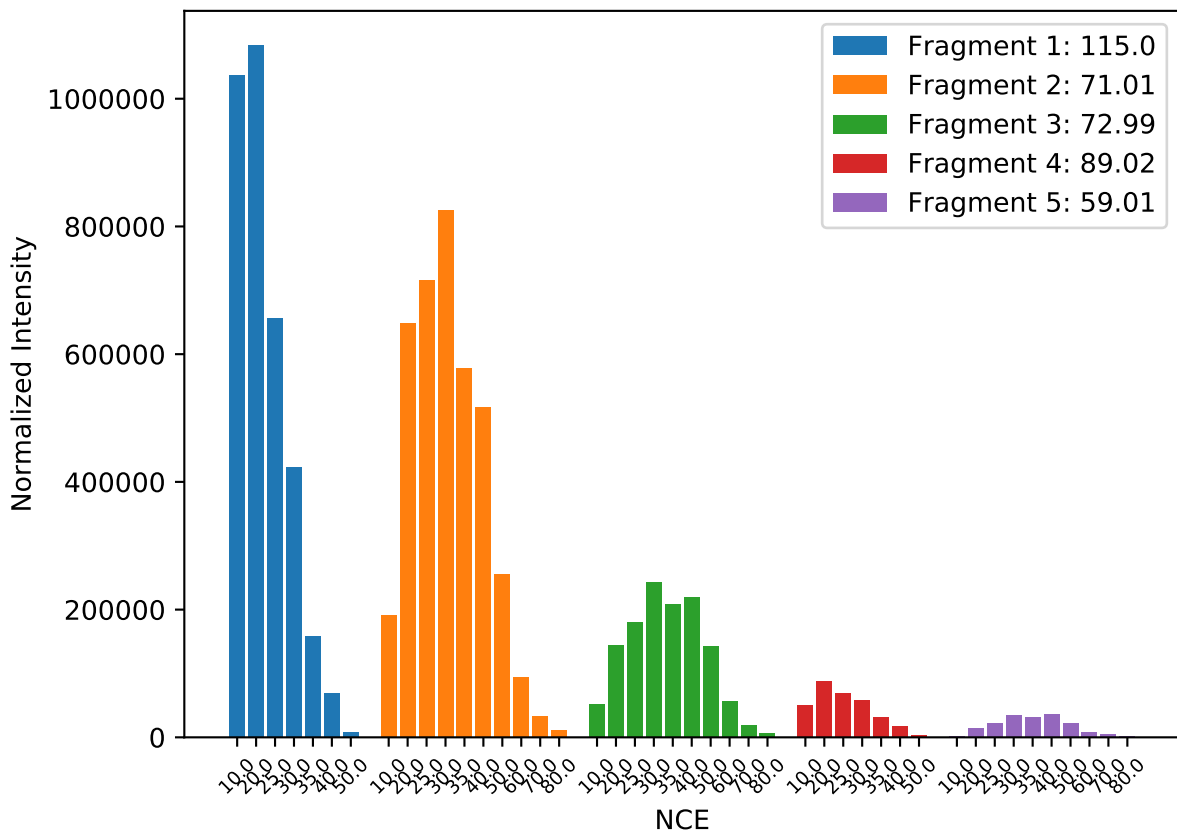
('Isocitrate', -1)



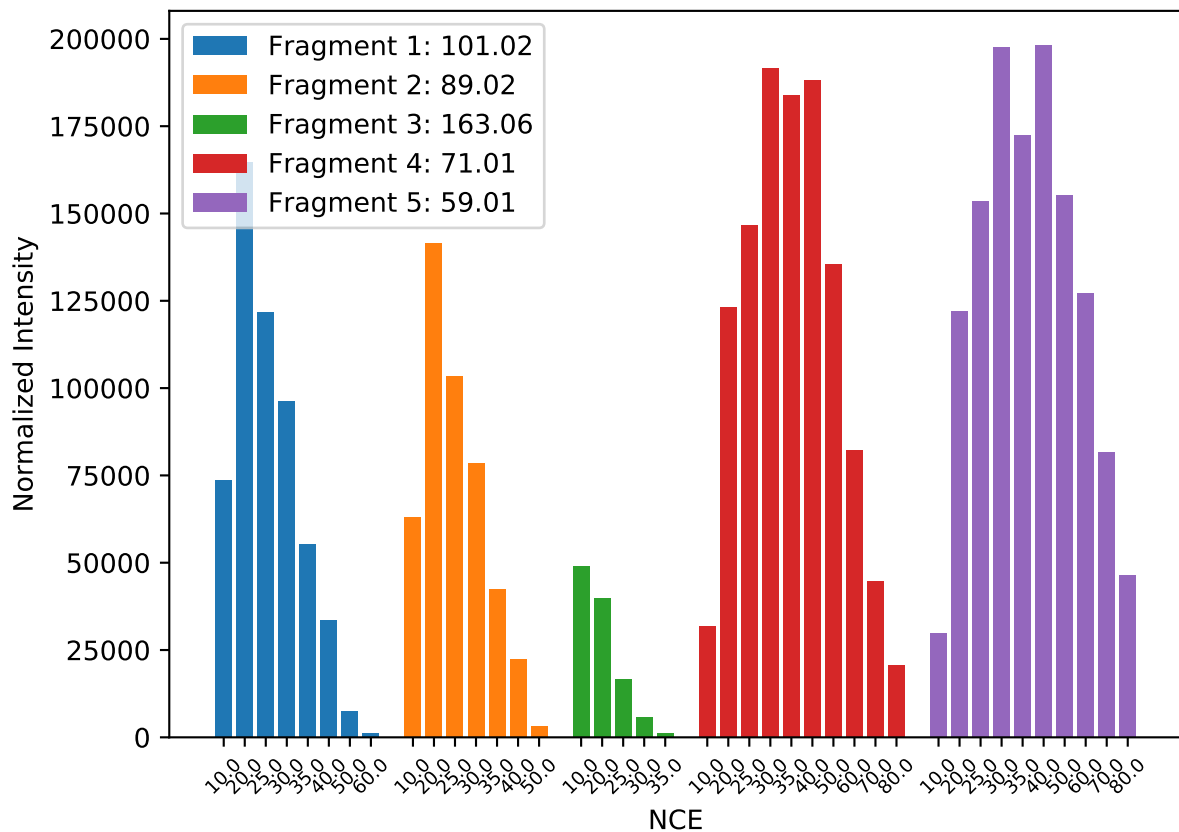
('Lactate', -1)



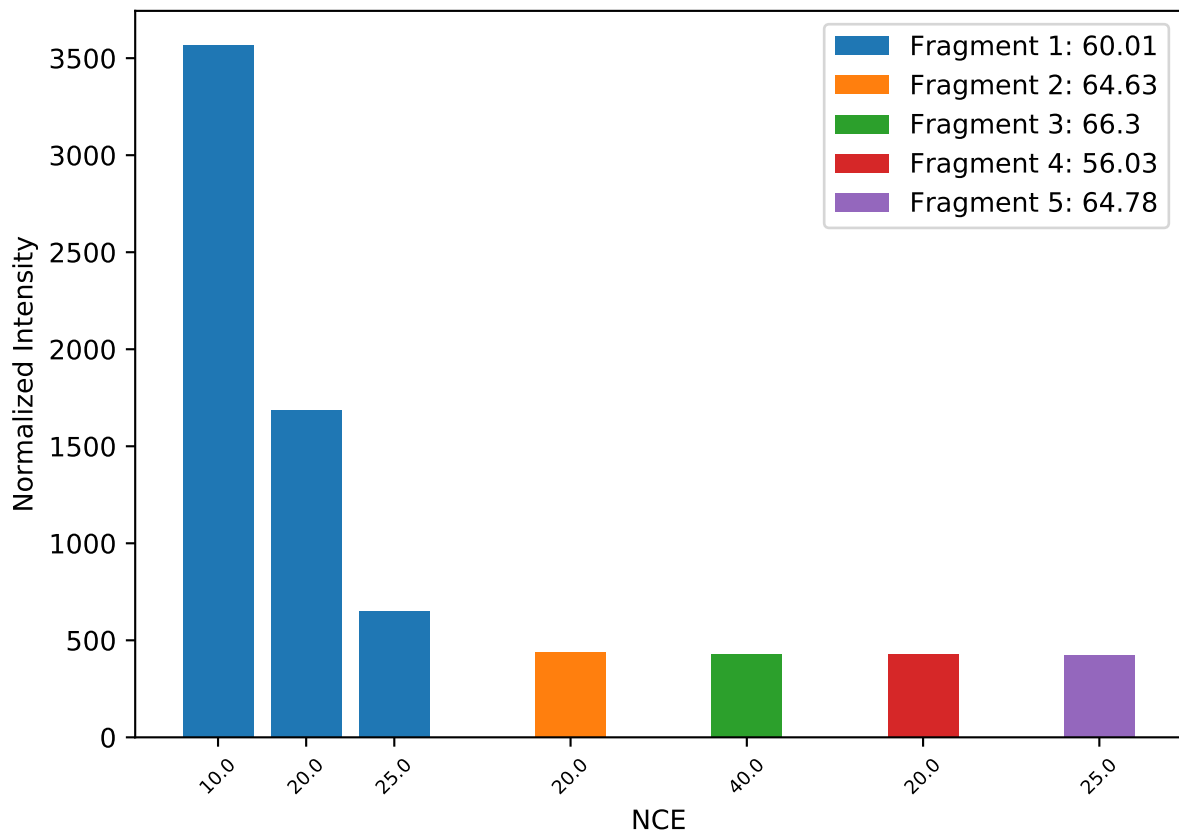
('Malate', -1)



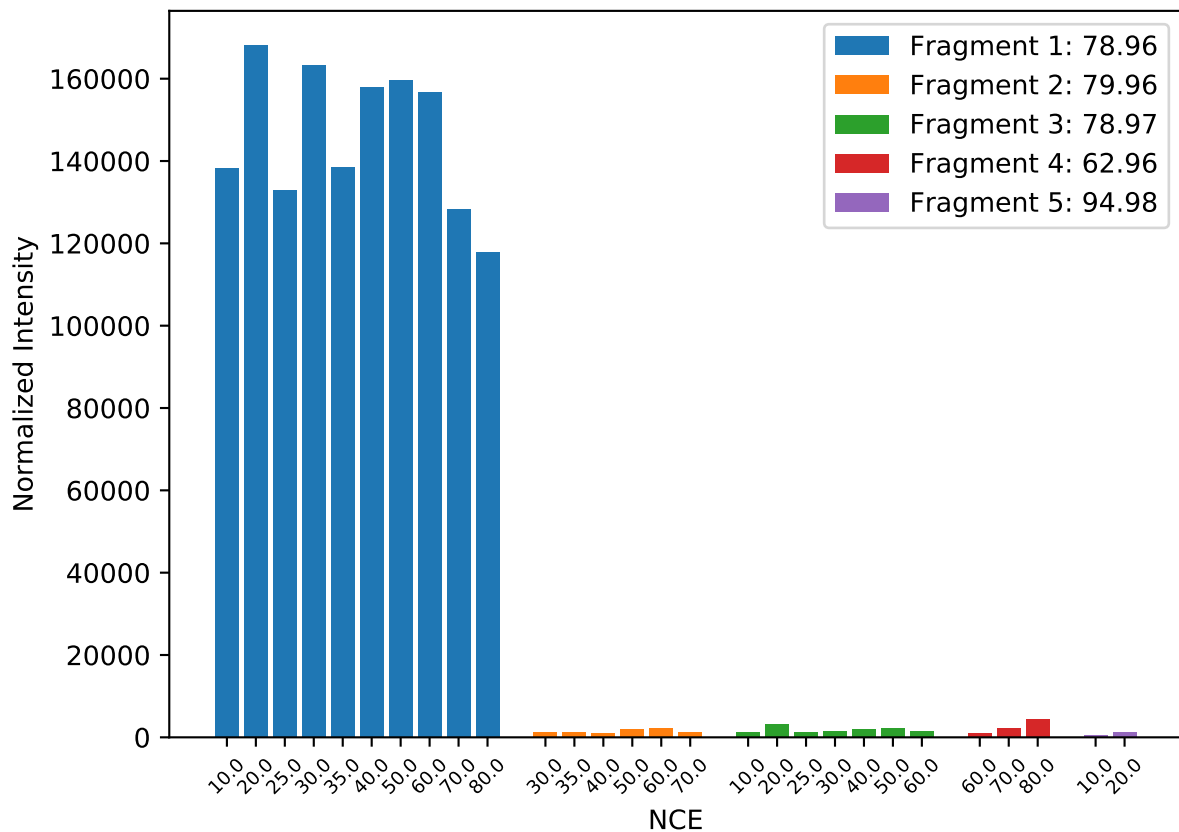
('Mannitol', -1)



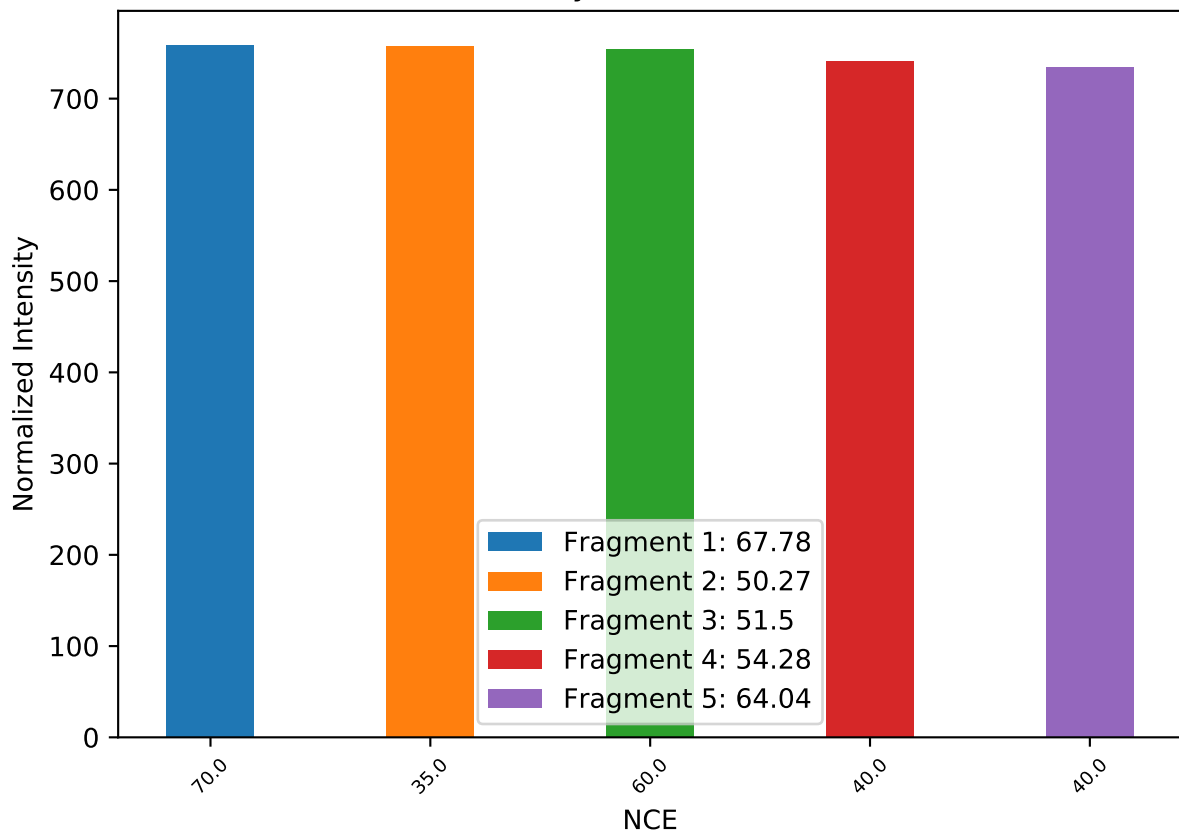
('Oxamate', -1)



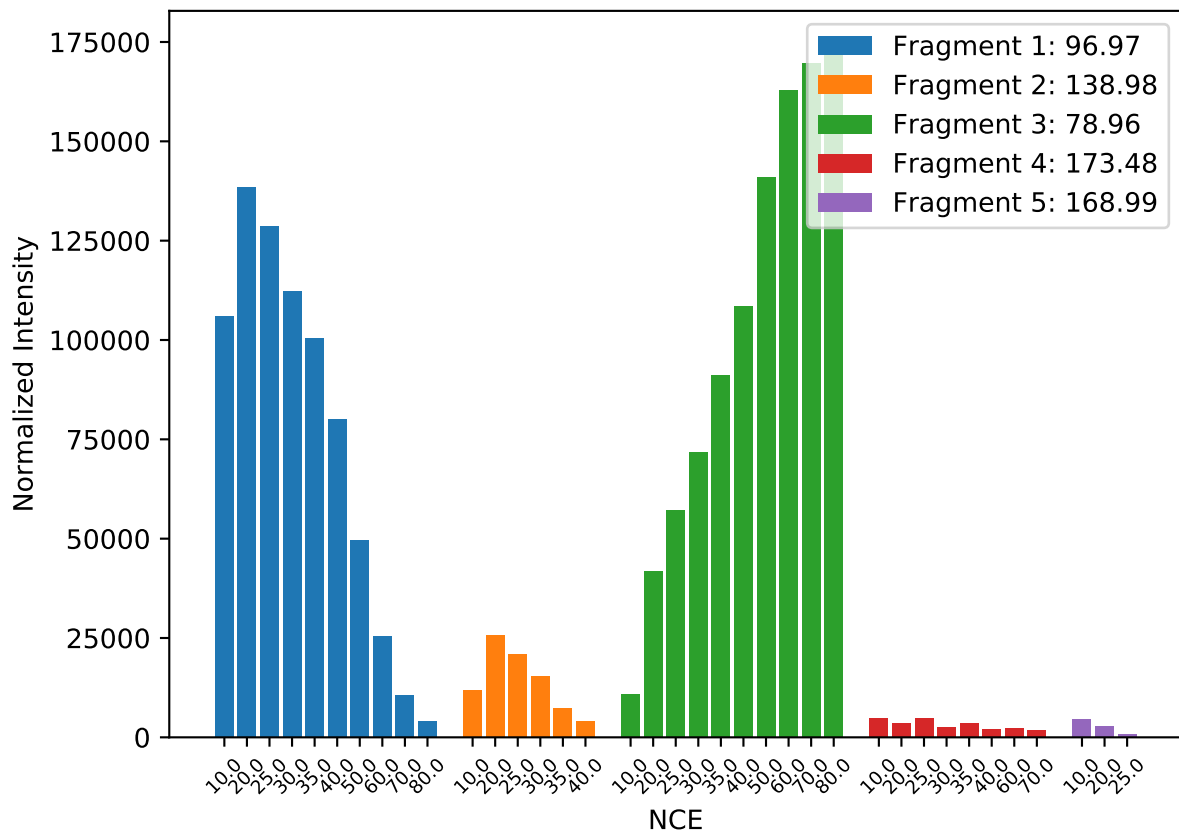
('PEP', -1)



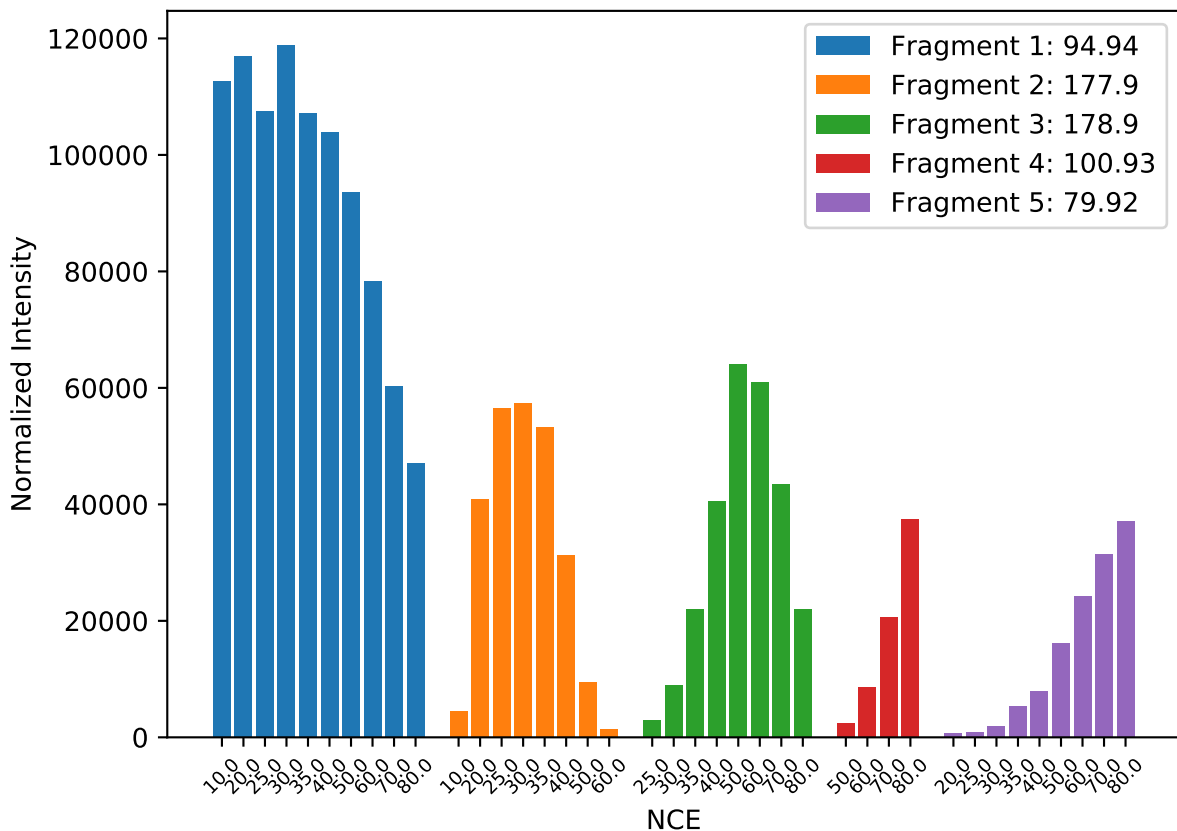
('Pyruvate', -1)



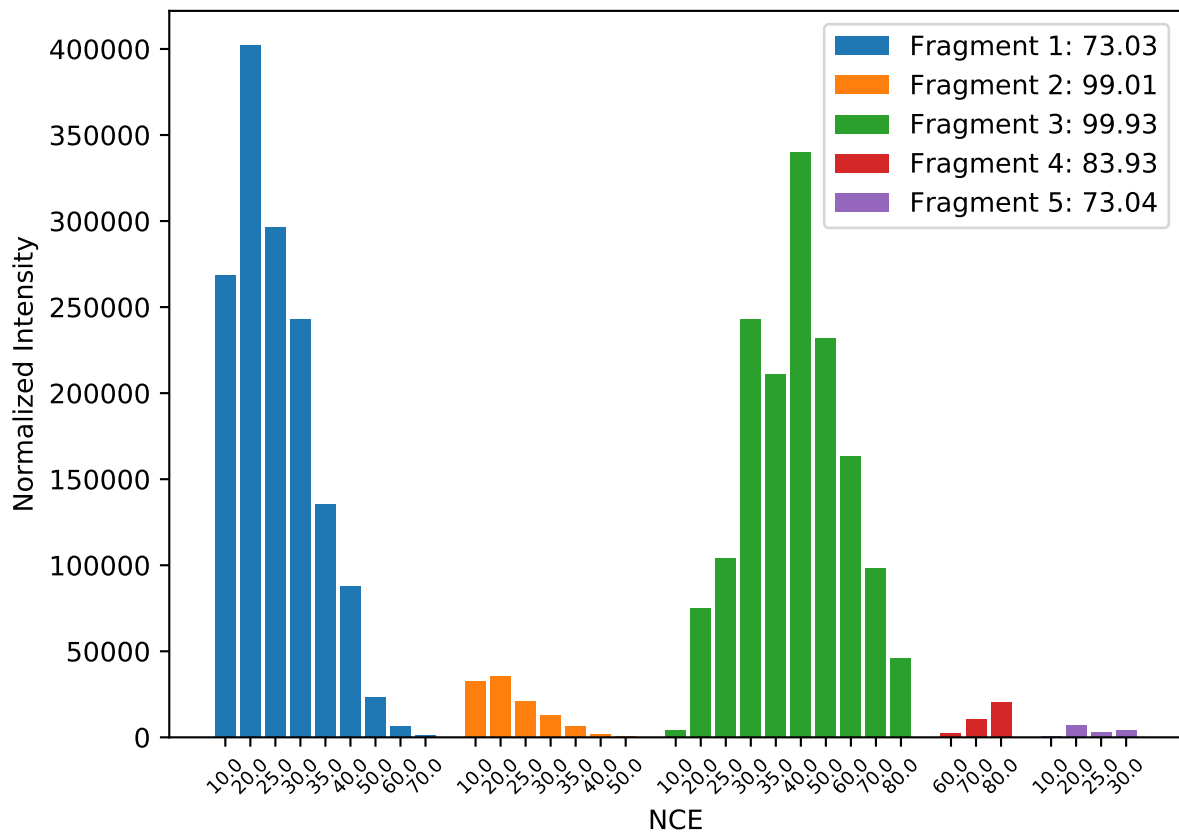
('R5P', -1)



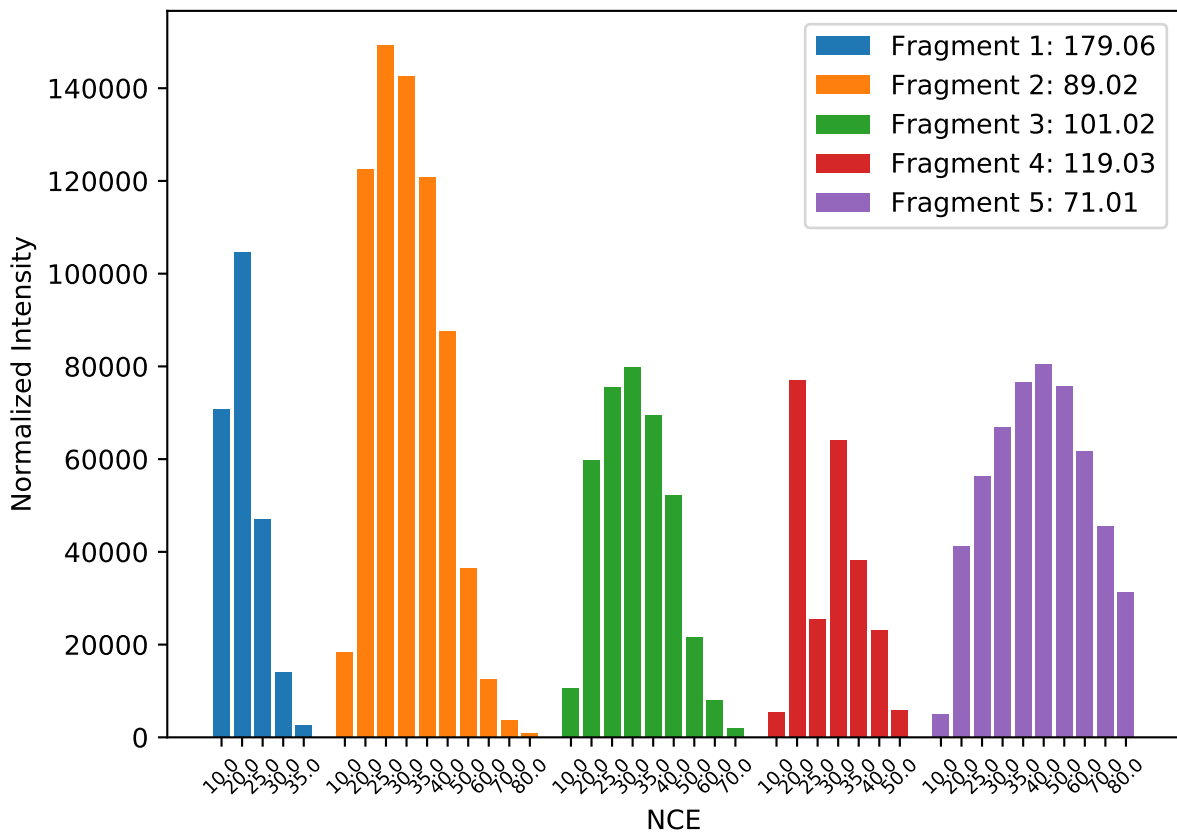
('Selenomethionine', -1)



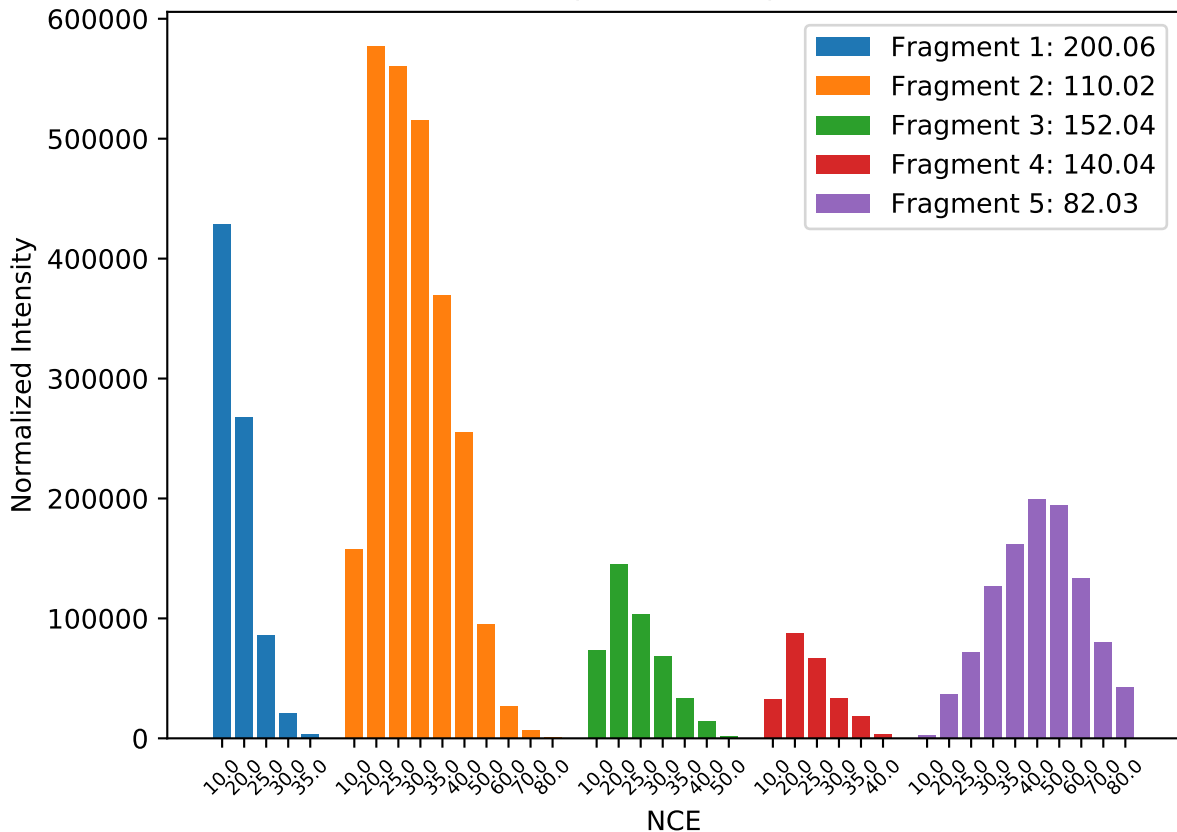
('Succinate', -1)



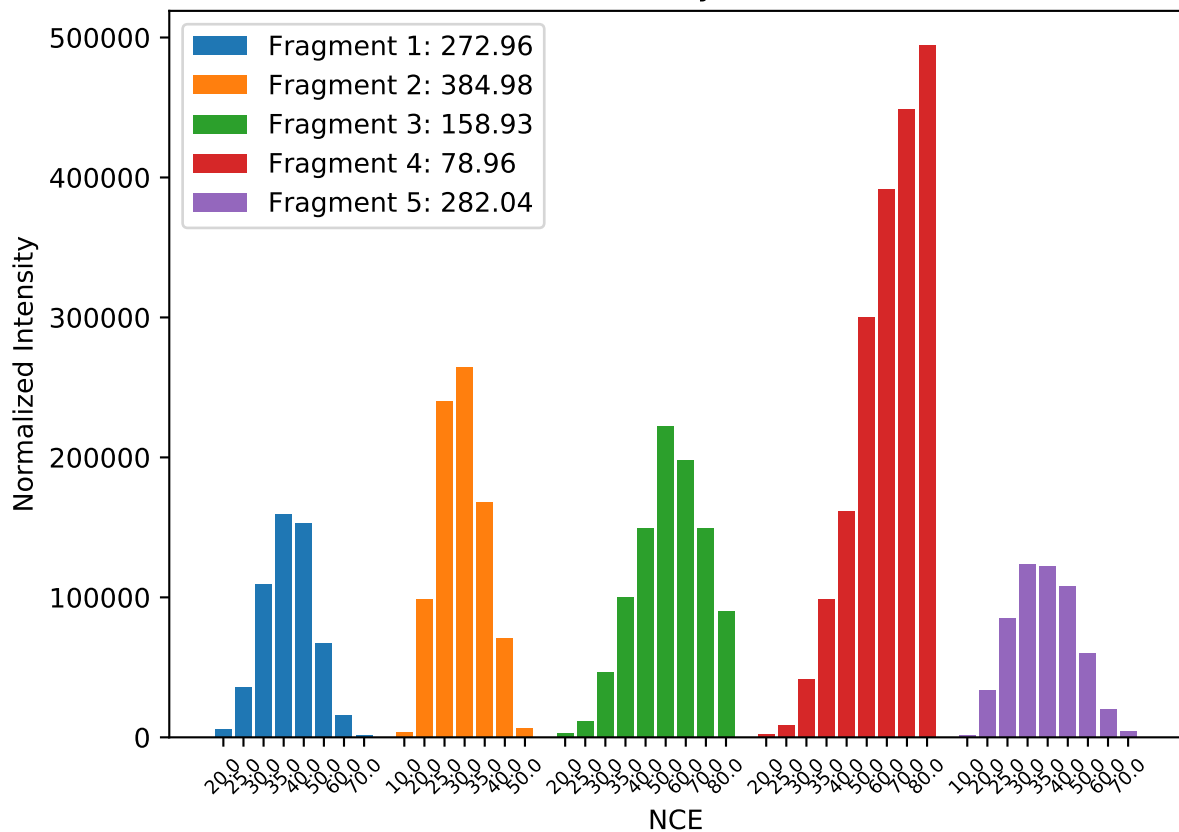
('Trehalose', -1)



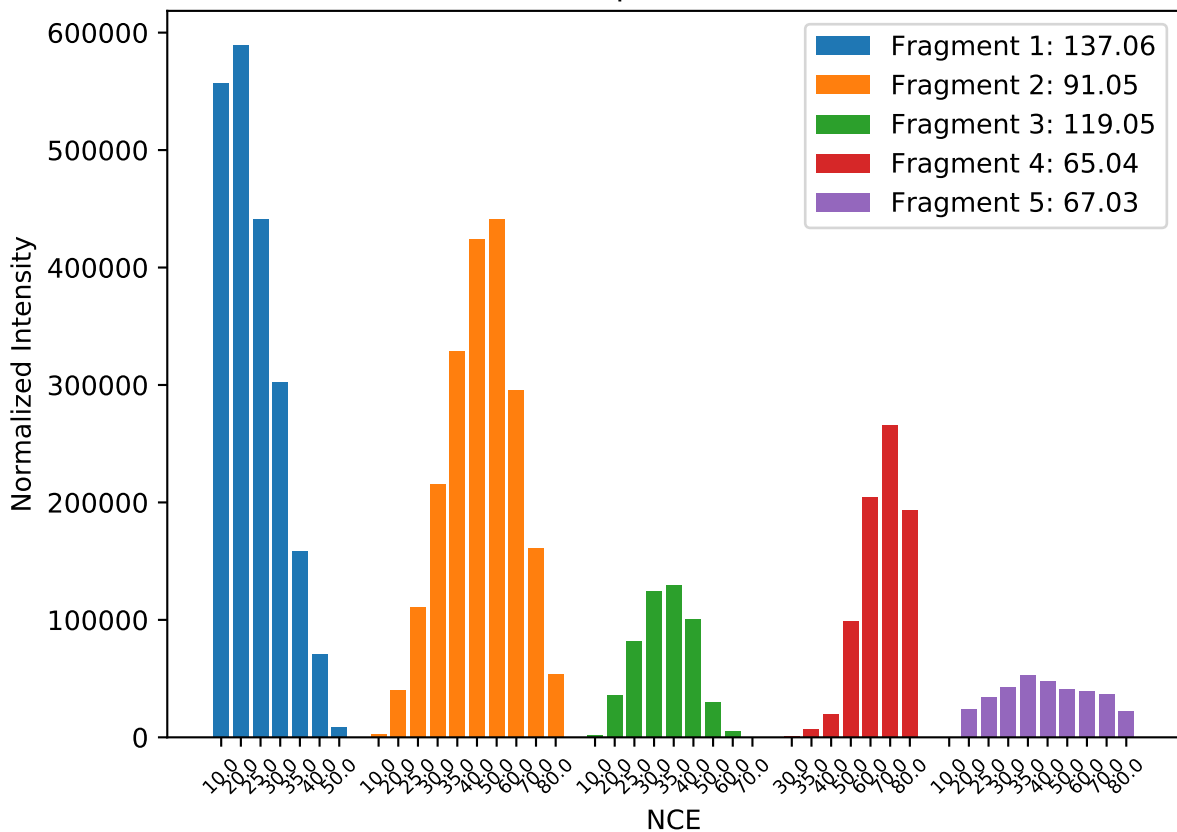
('Uridine', -1)



('UDP-N-acetyl-GN', -1)



('Dopamine', 1)



('Uracil', 1)

