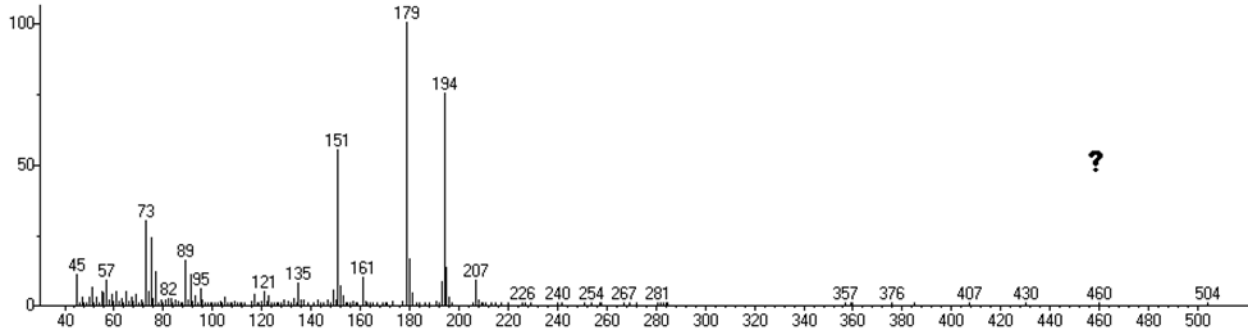
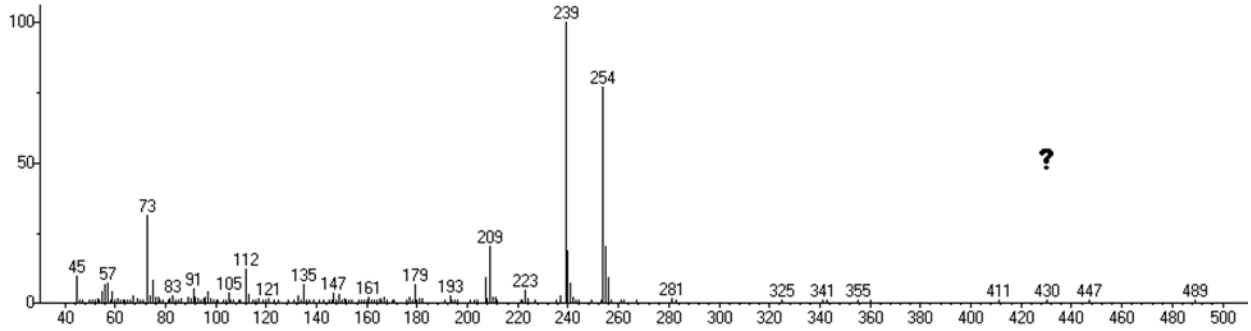
Figure S1. Fragmentation patterns of individual compounds in experiment 1. Shown here are the compounds recorded from the mandibular gland extracts of the queens exposed to CO_2 and CO_2+physical manipulation (fragmentation patterns are shown for one of the CO_2 queens).

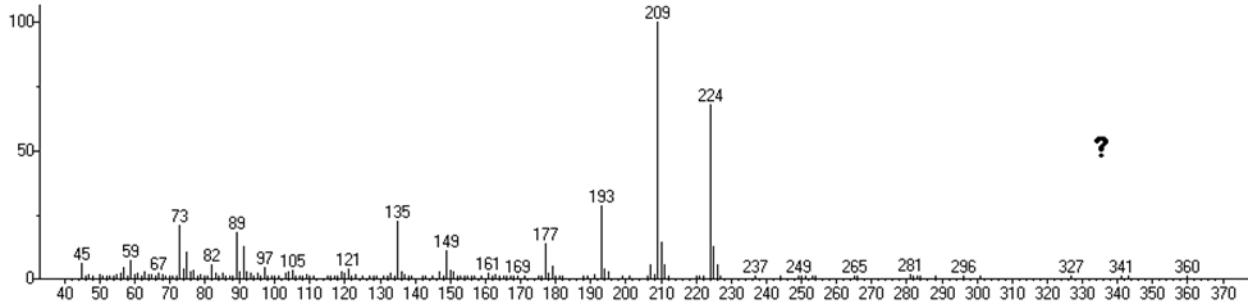
Compound 1 (8.50min): Unk1



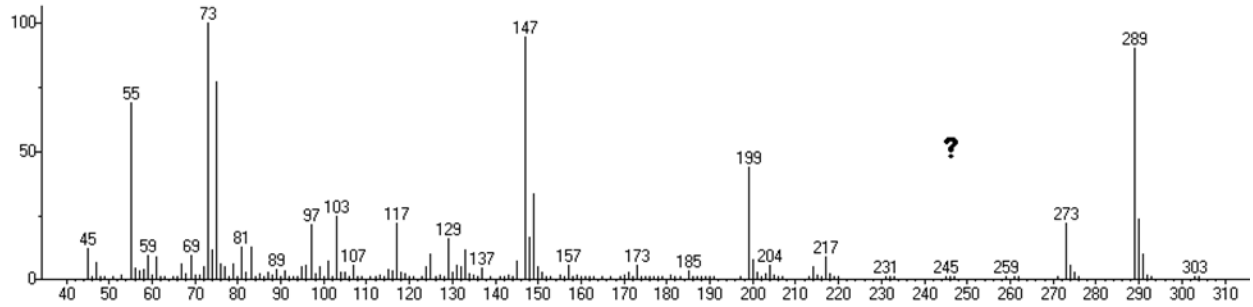
Compound 2 (9.21min): Unk2



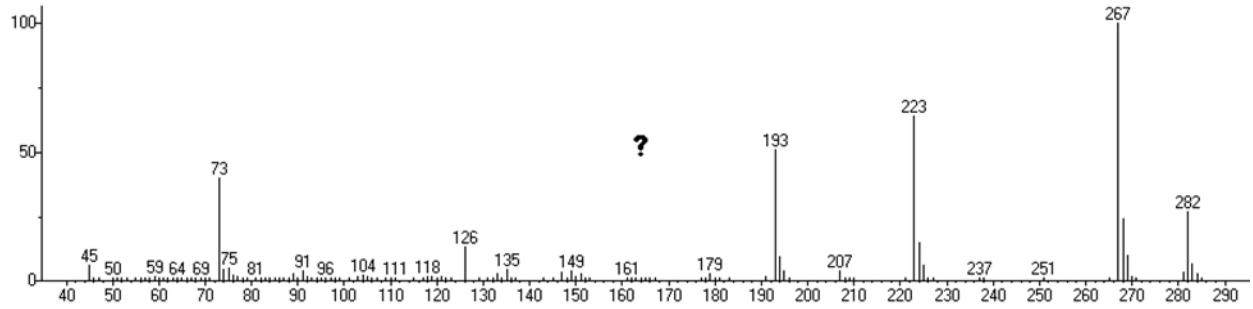
Compound 3 (11.17min): HOB



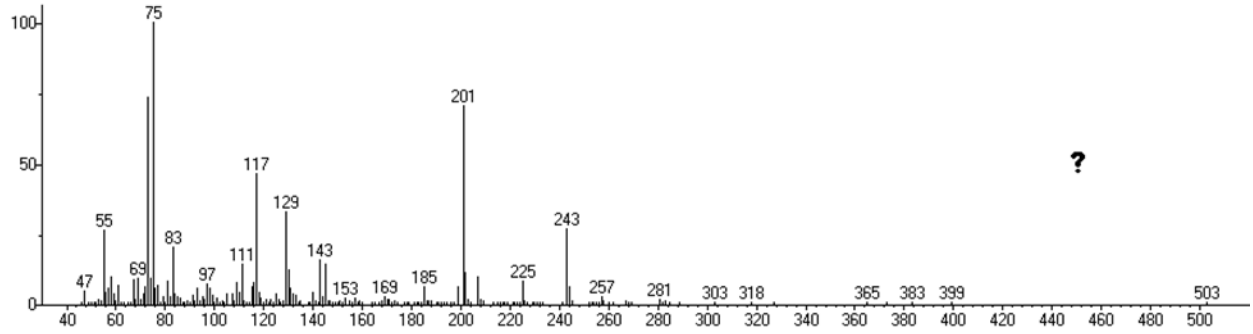
Compound 4 (14.02min):7OH-octanoic acid



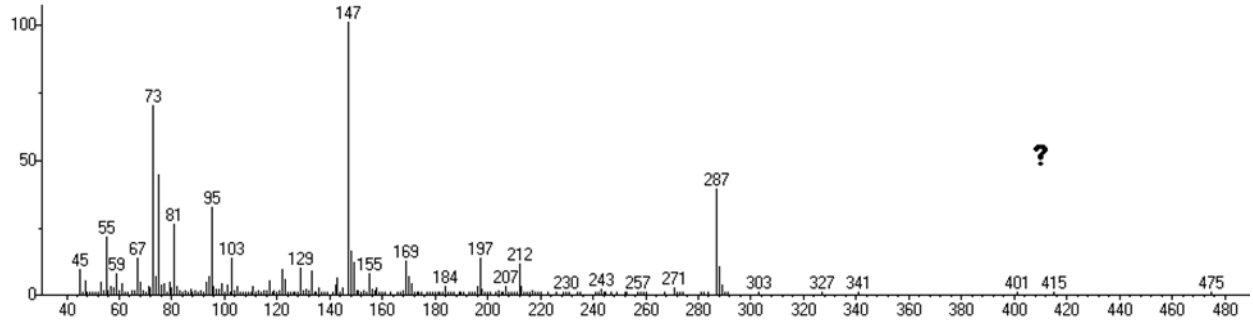
Compound 5 (14.18min): Benzoic acid



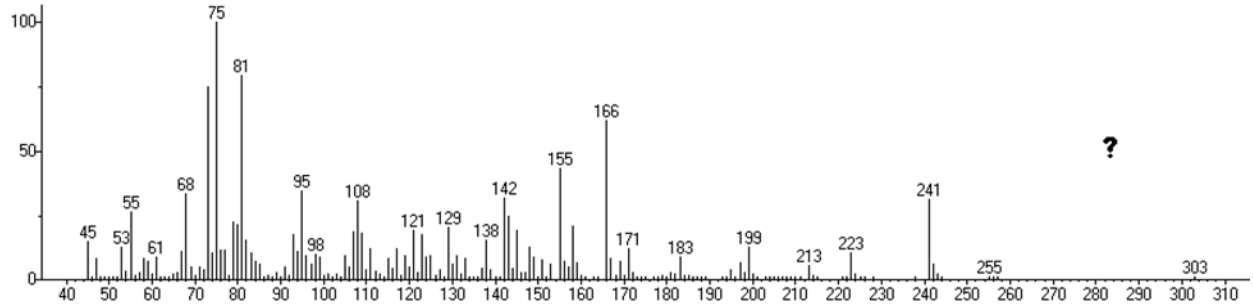
Compound 6 (14.60min): Unk3



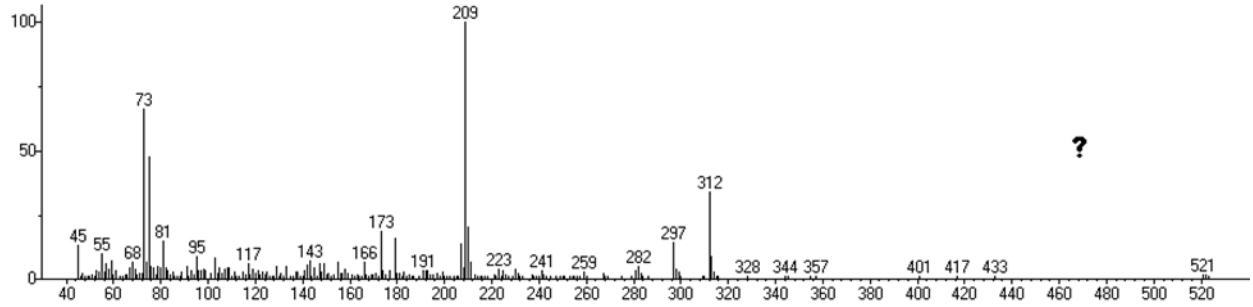
Compound 7 (15.07min): Unk4



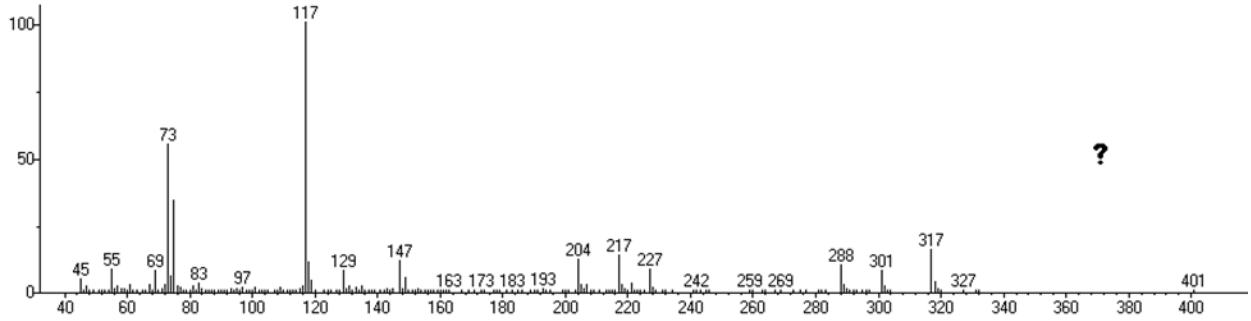
Compound 8 (15.92min): 9-ODA



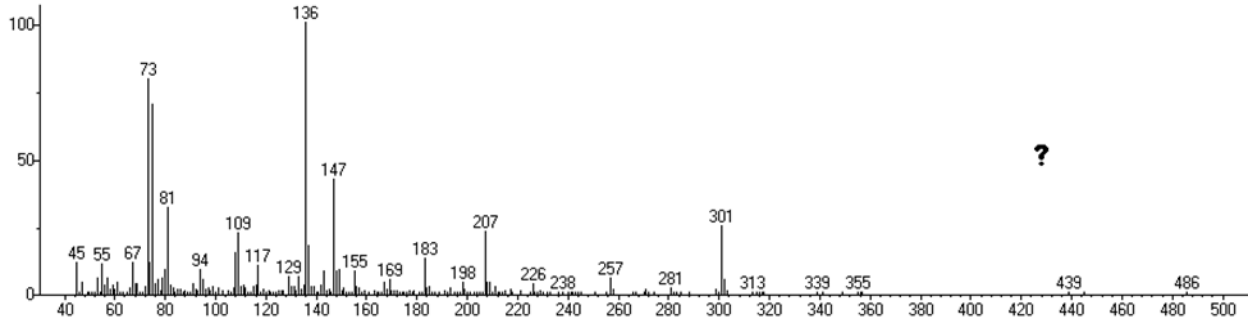
Compound 9 (16.04min): HVA



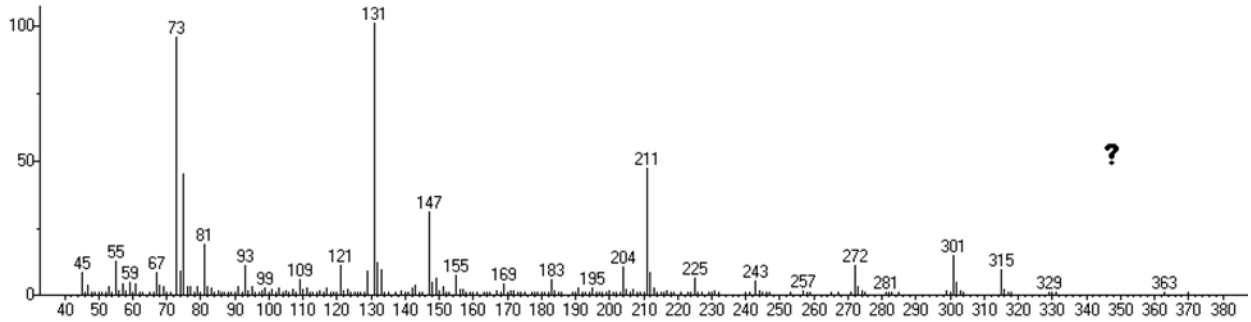
Compound 10 (16.61min): 9-oxydecanoic acid



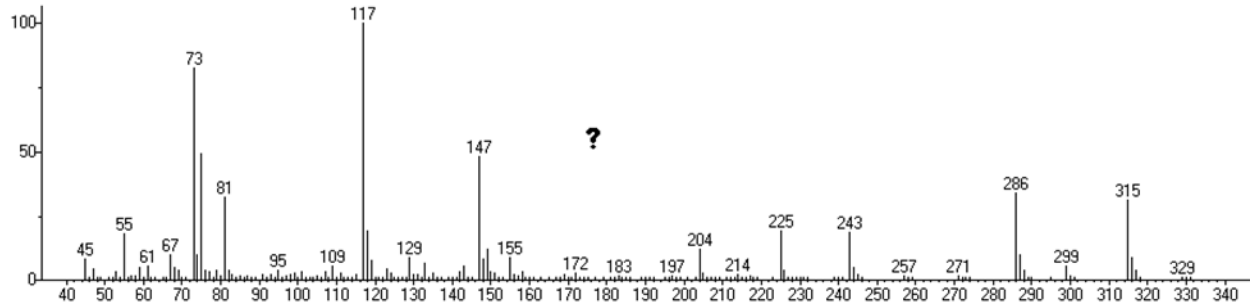
Compound 11 (16.82min): Unk5



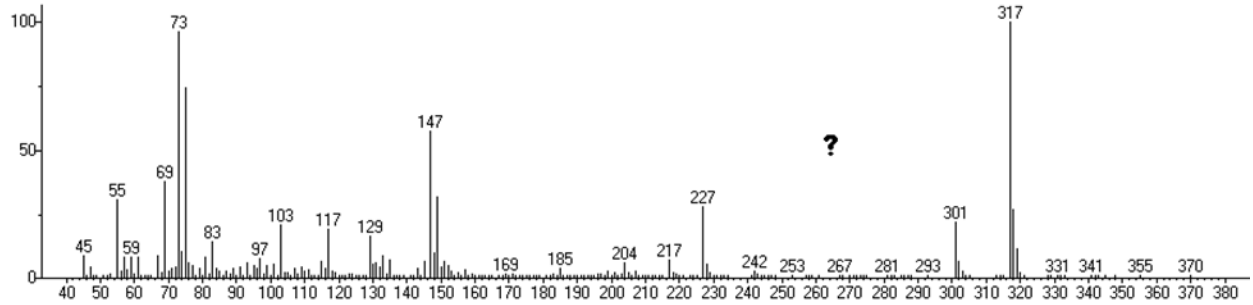
Compound 12 (17.35min): Unk6



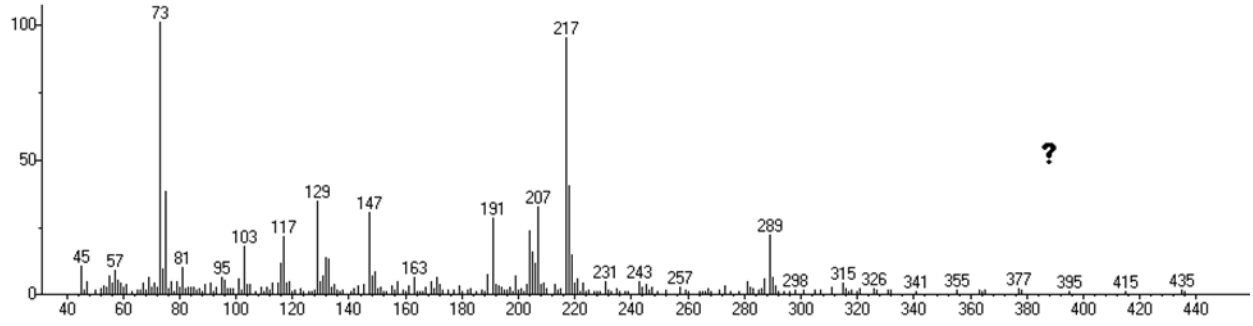
Compound 13 (17.69min): 9-HDA



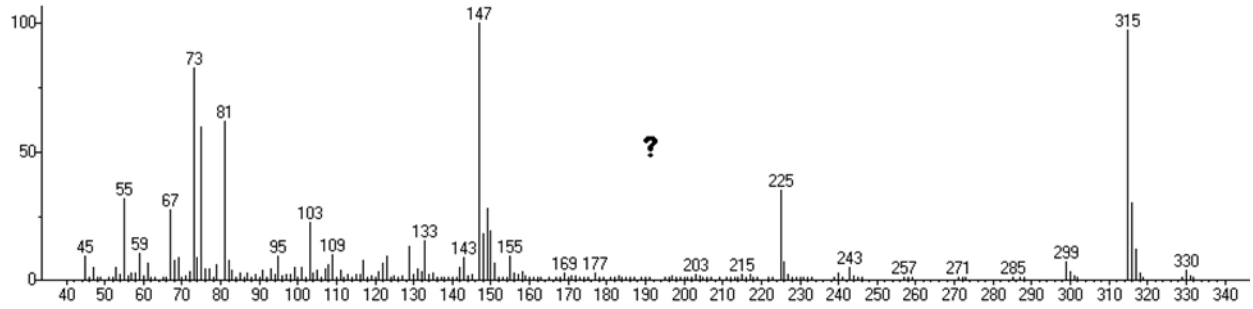
Compound 14 (18.08min): 10HDAA



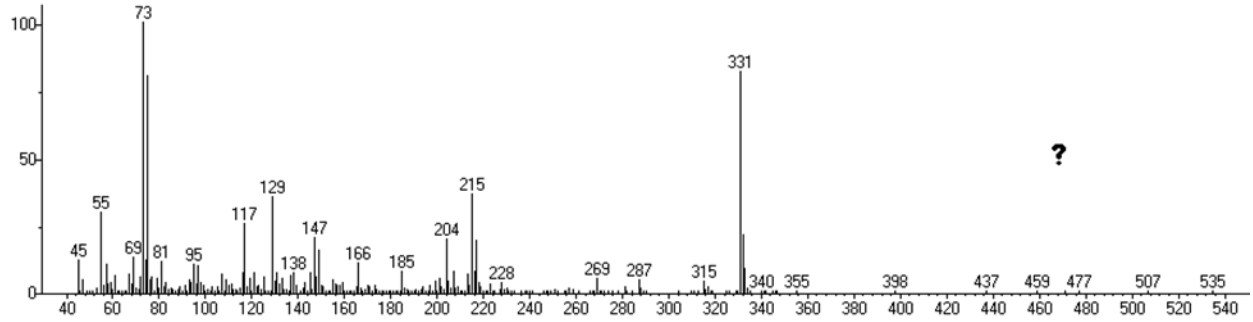
Compound 15 (18.29min): Unk7



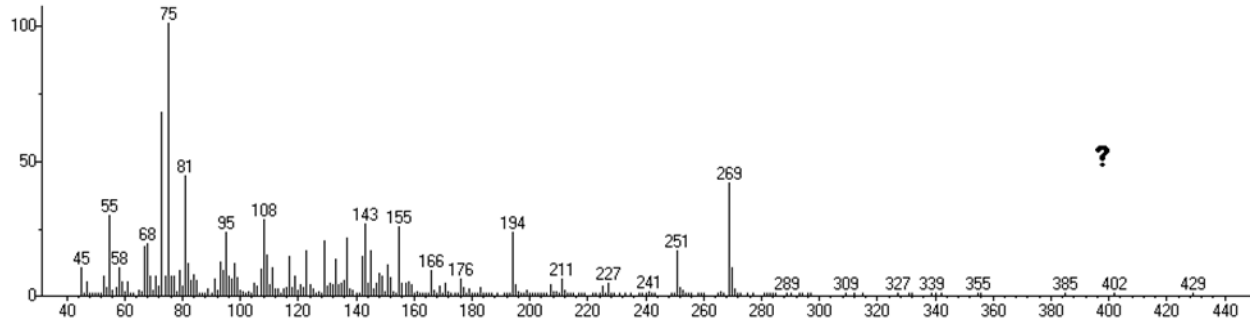
Compound 16 (19.12min): 10HDA



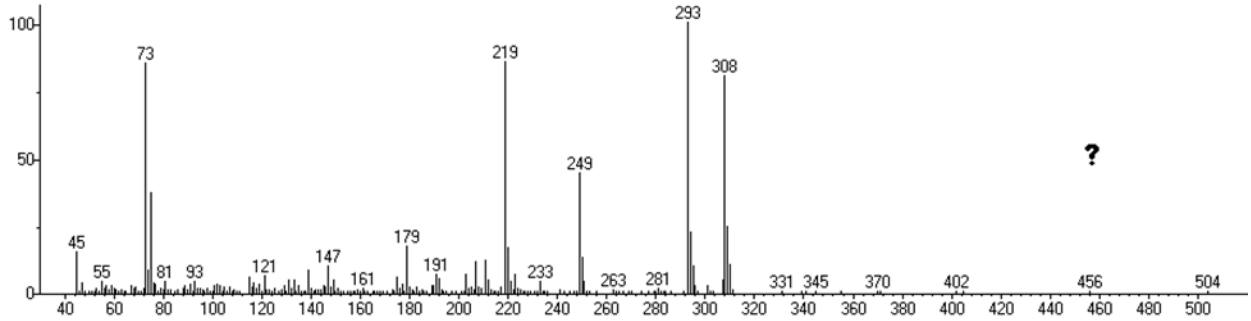
Compound 17 (19.75min): Decanedioic acid



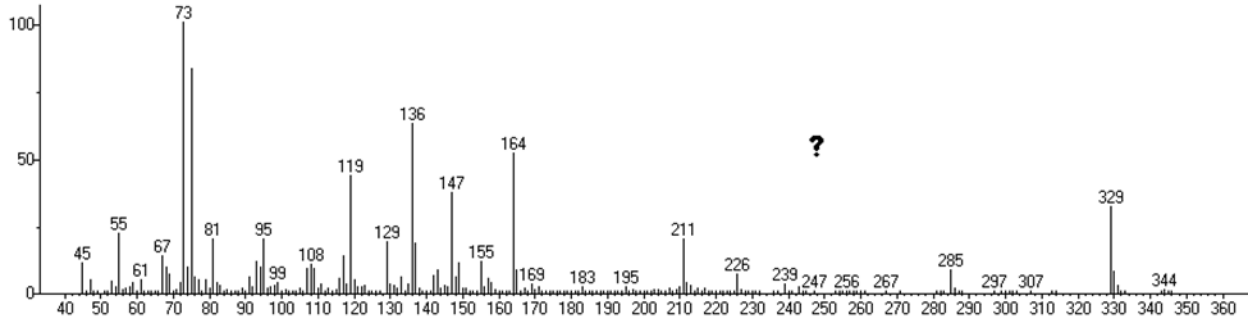
Compound 18 (19.87min):Unk8



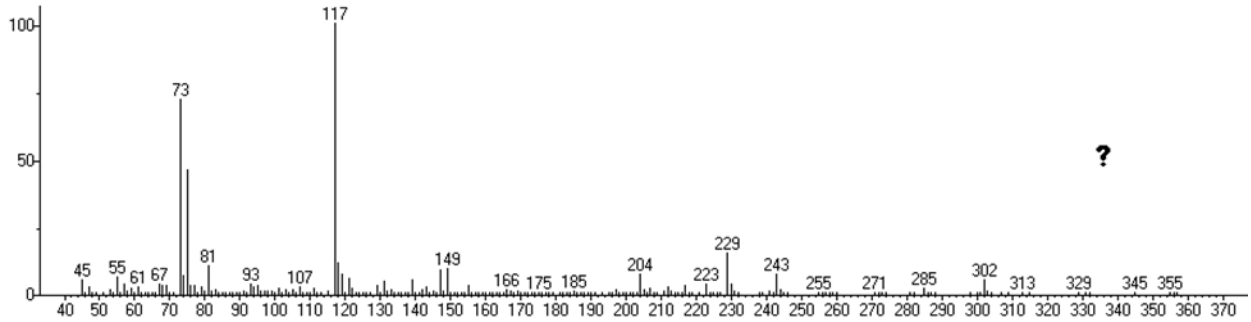
Compound 19 (20.58min): Unk9



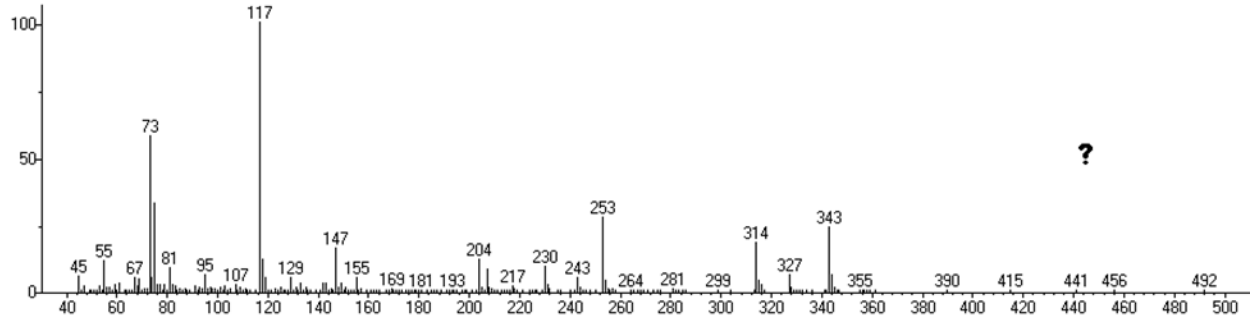
Compound 20 (20.76min): Unk10



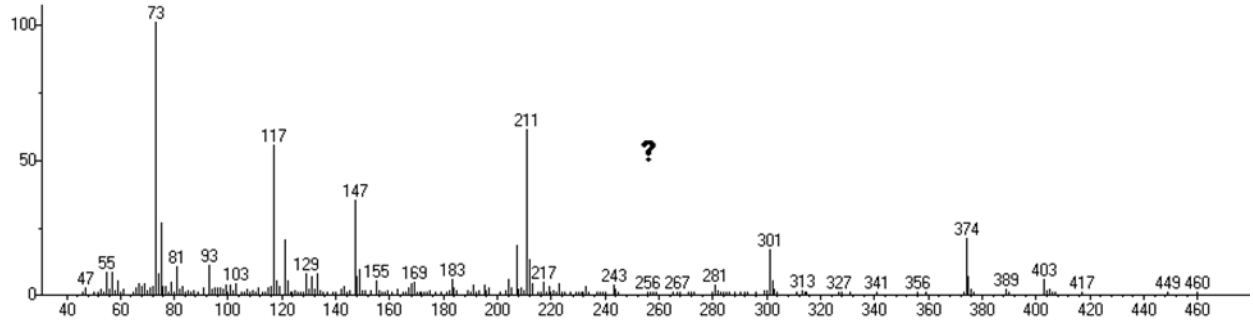
Compound 21 (20.86min): Unk11



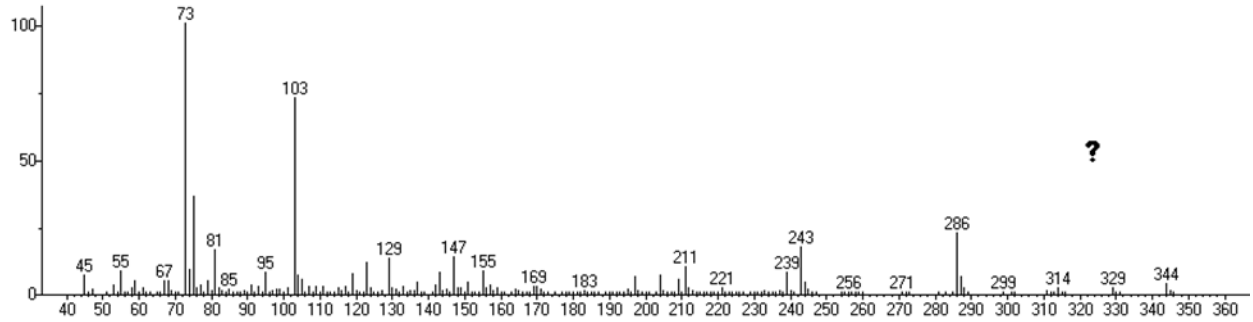
Compound 22 (21.53min): Unk12



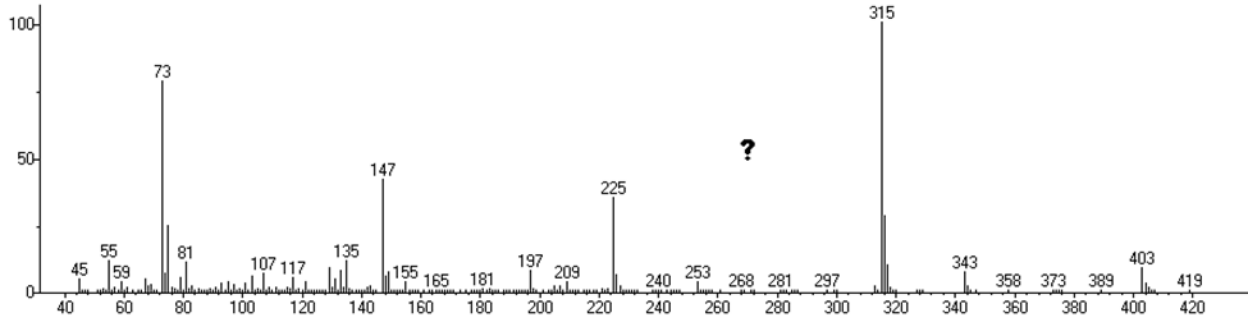
Compound 23 (21.78min): Unk13



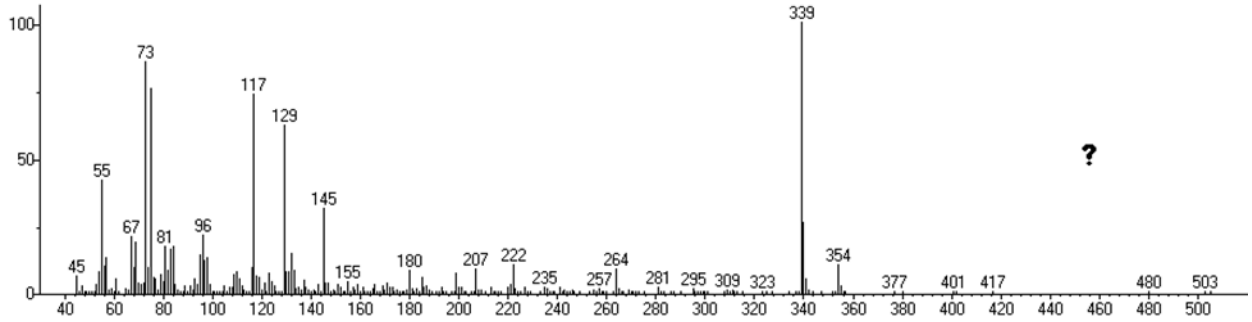
Compound 24 (22.11min): Unk14



Compound 25 (23.15min): Unk15



Compound 26 (27.47min): cis-13-octadecanoic acid



Compound 27 (28.08min): Octadecanoic acid