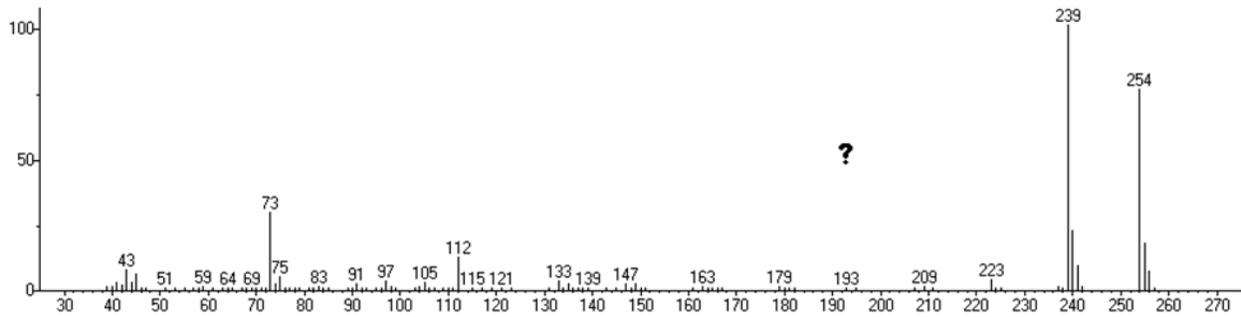
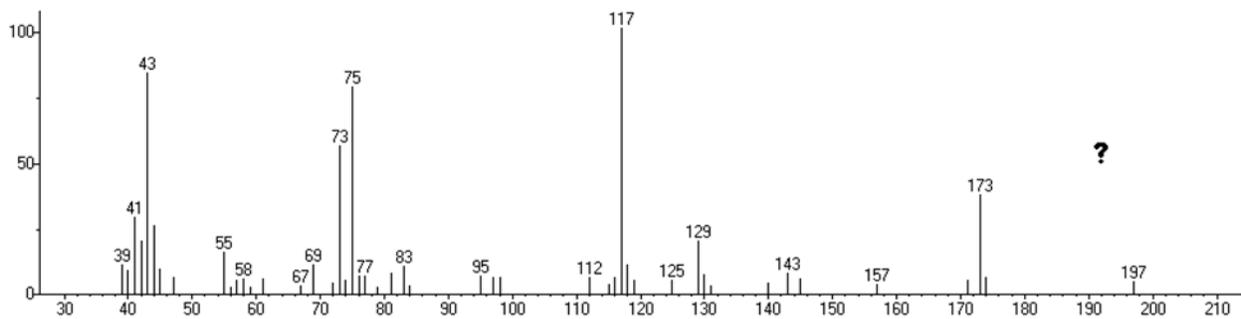


Figure S2. Fragmentation patterns of individual compounds in experiment 2. Shown here are the compounds recorded from the mandibular gland extracts of the queens instrumentally inseminated with low or high volume of either saline or semen (fragmentation patterns are shown for one of the SA1 queens).

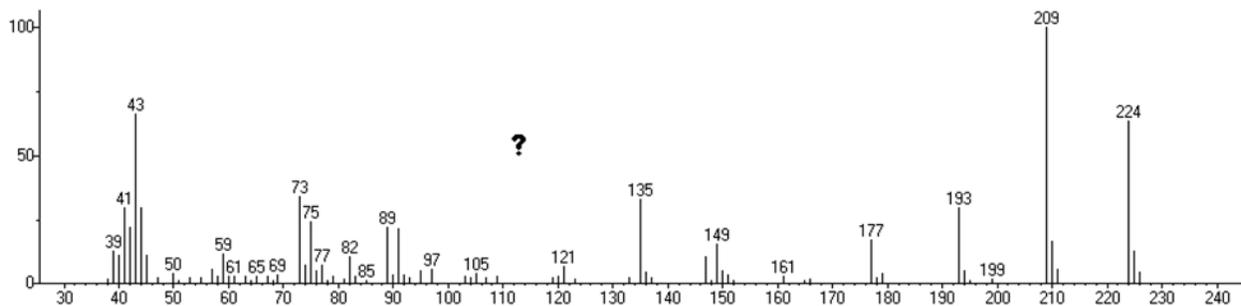
Compound 1 (12.34min): Unk1



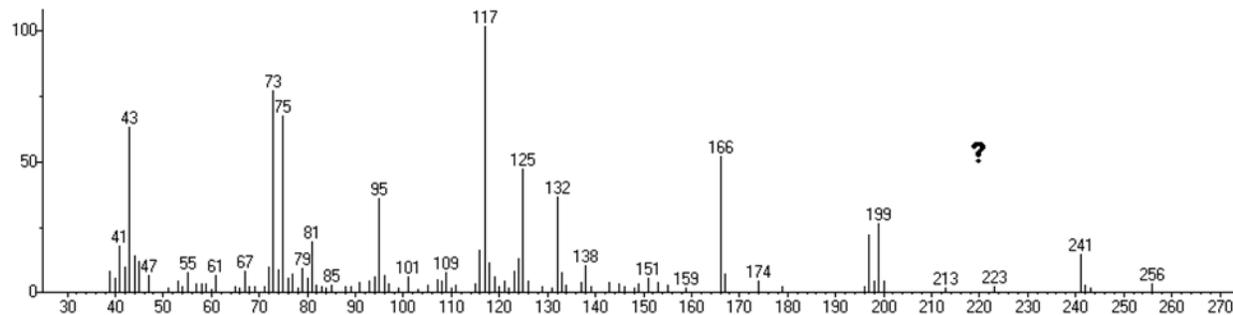
Compound 2 (13.34min): Unk2



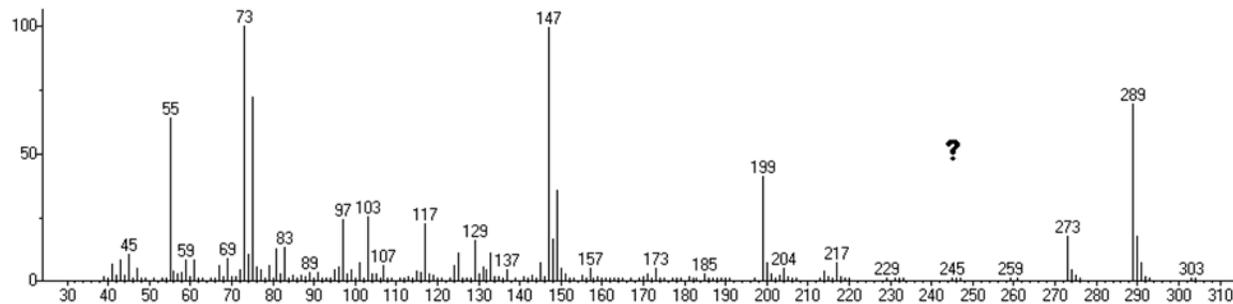
Compound 3 (14.45min): HOB



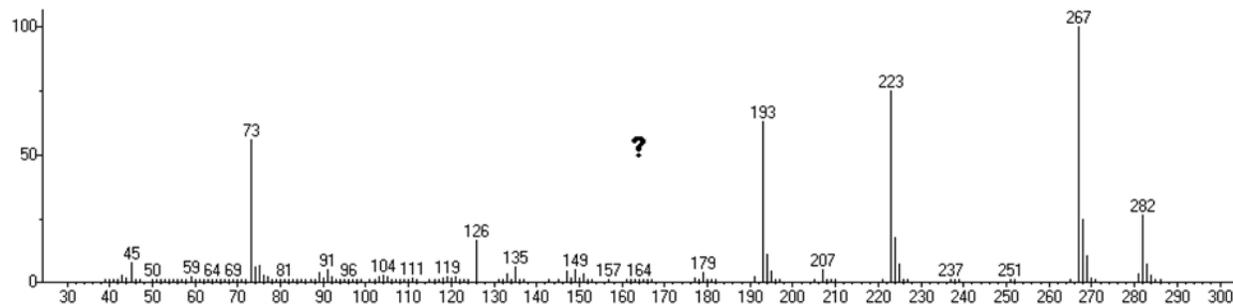
Compound 4 (16.23min): Unk3



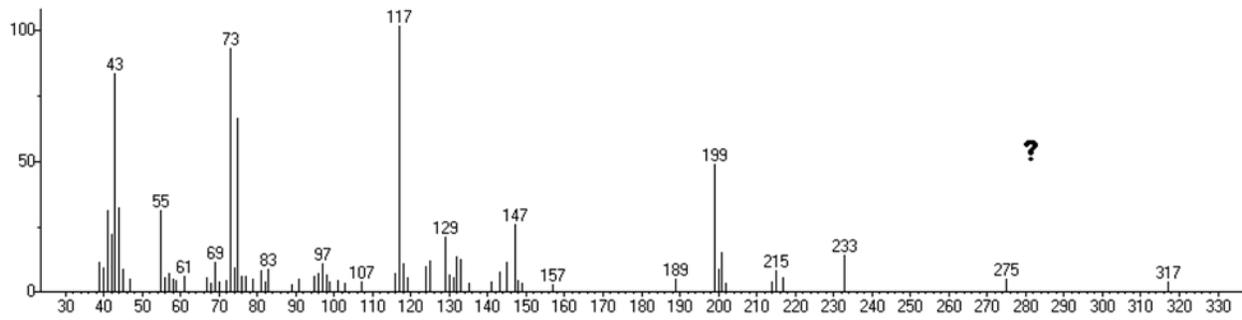
Compound 5 (17.24min): 7OH octanoic acid



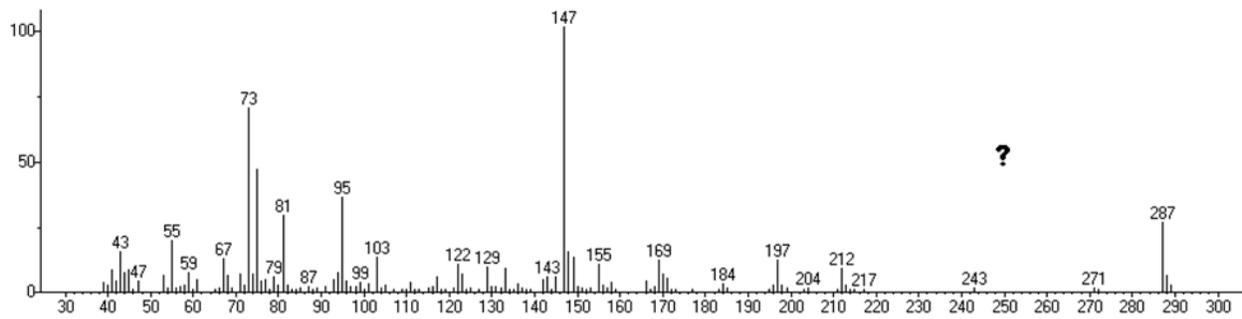
Compound 6 (17.47min): Benzoic acid



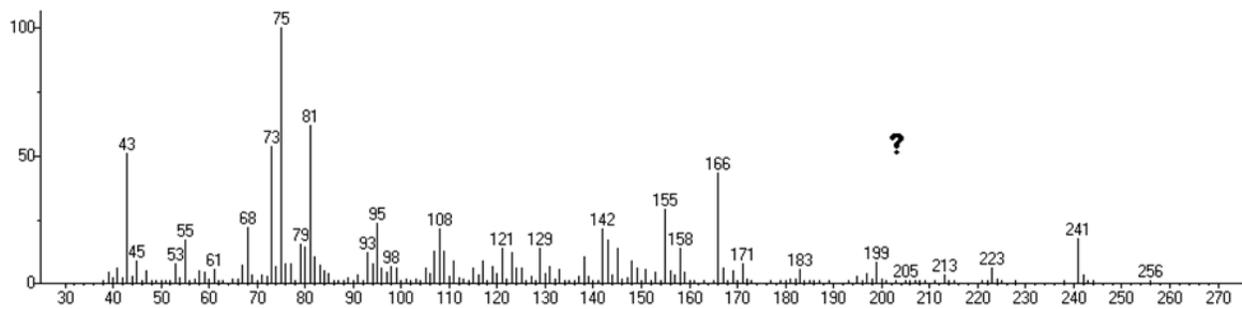
Compound 7 (18.05min): Unk4



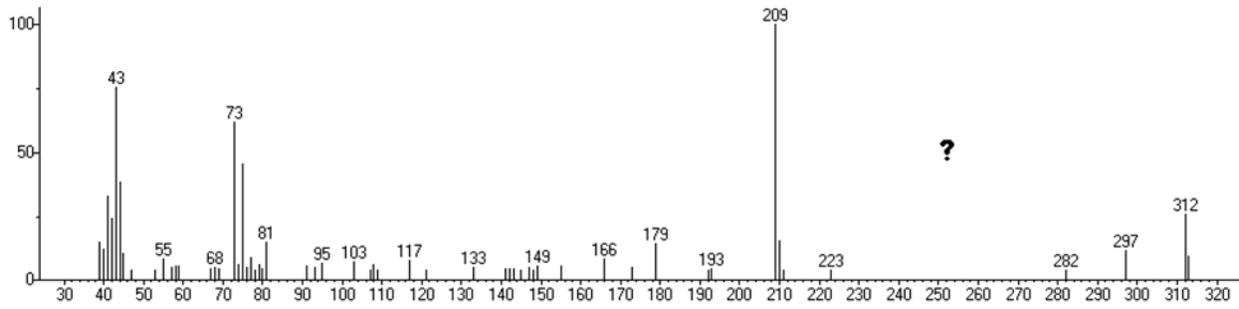
Compound 8 (18.28min): Unk5



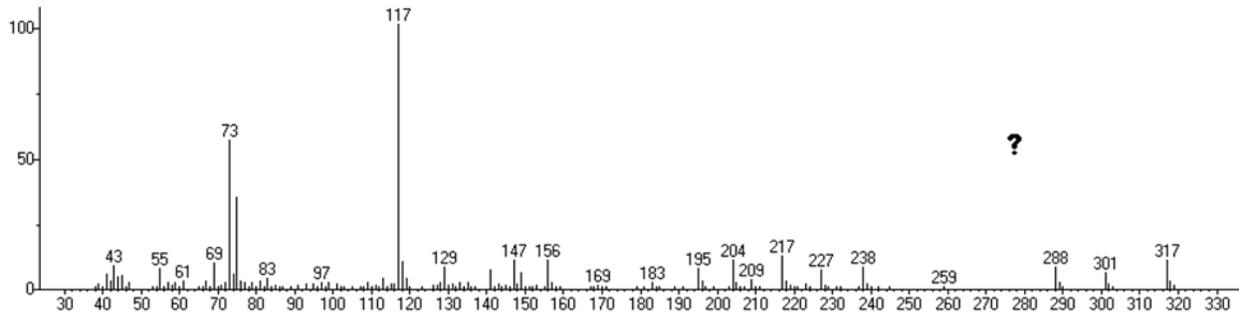
Compound 9 (19.18min): 9-ODA



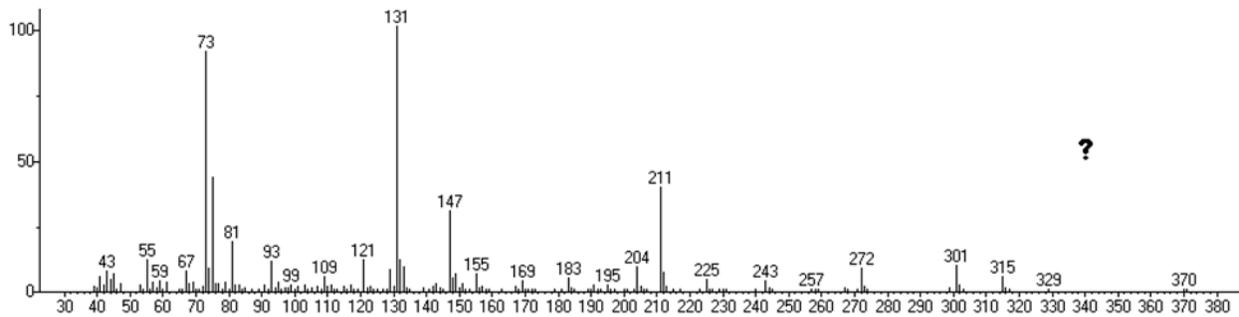
Compound 10 (19.32min): HVA



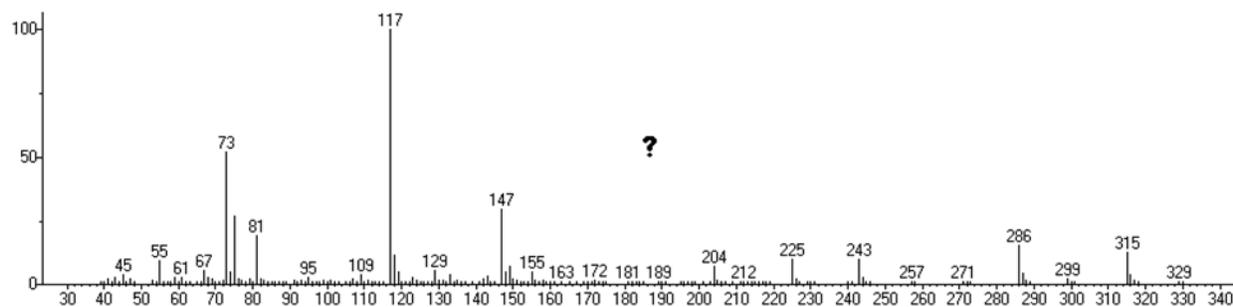
Compound 11 (19.83min): 9-oxydecanoic acid



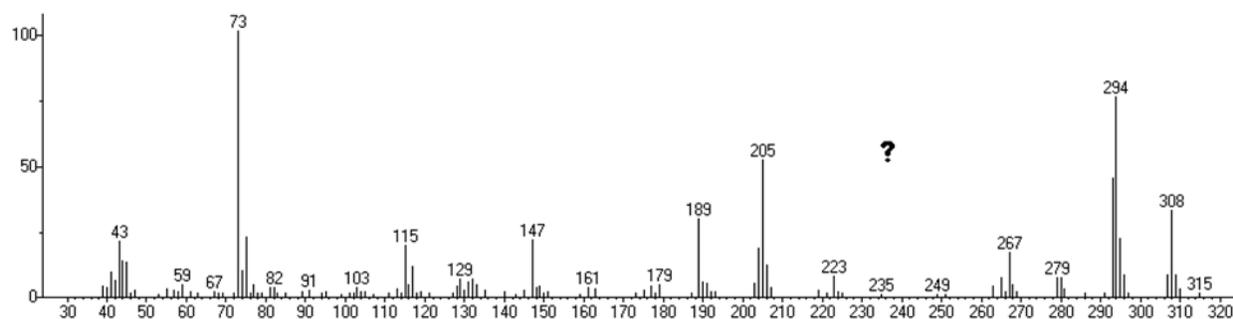
Compound 12 (20.56min): Unk6



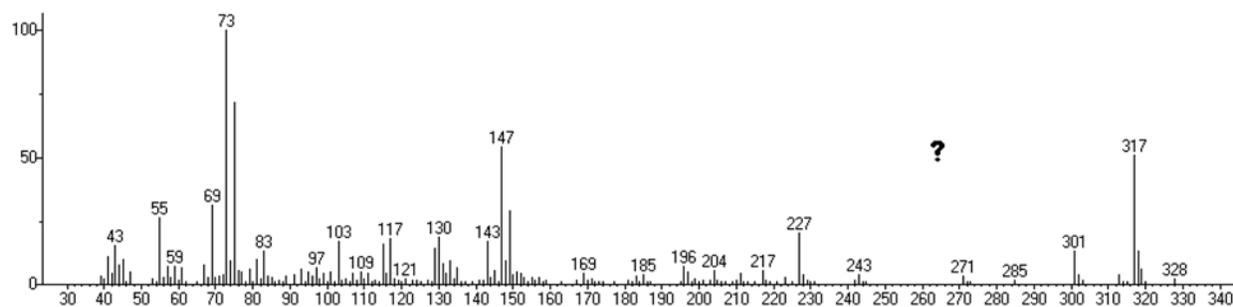
Compound 13 (20.92min): 9-HDA



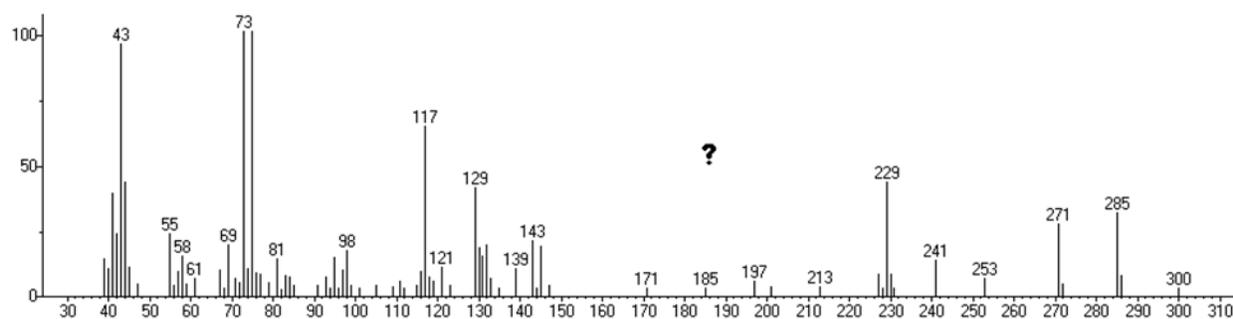
Compound 14 (21.03min): Unk7



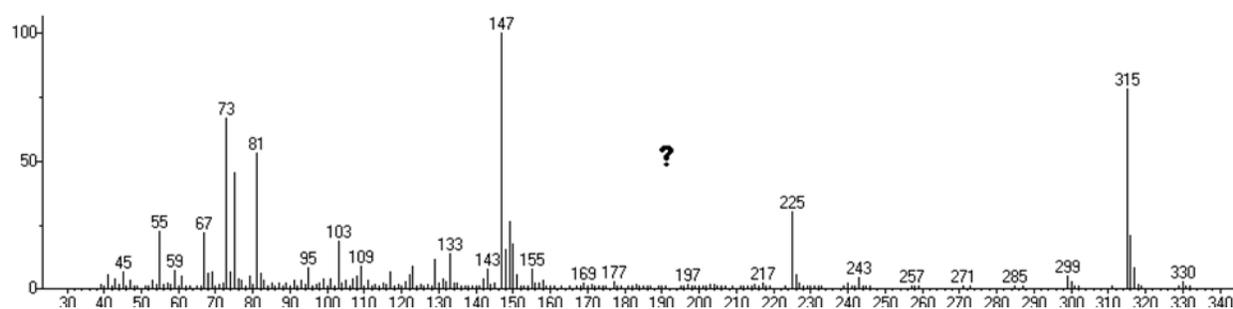
Compound 15 (21.28min): 10HDAA



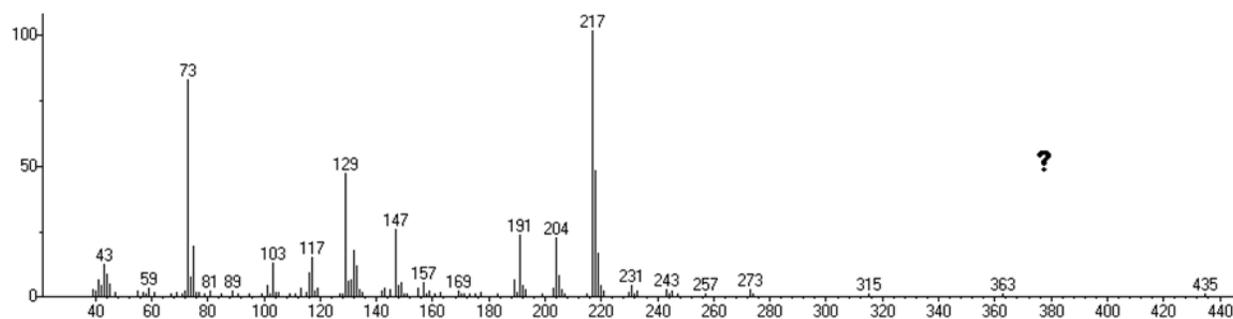
Compound 16 (22.08min): Tetradecanoic acid



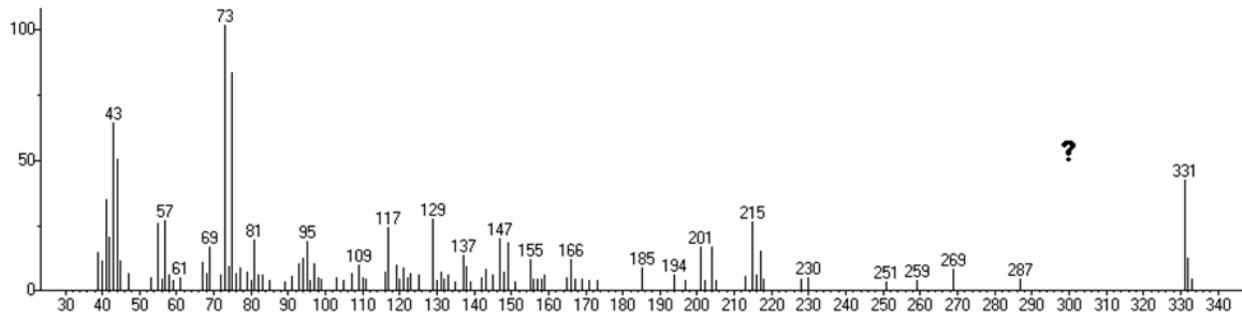
Compound 17 (22.43min): 10HDA



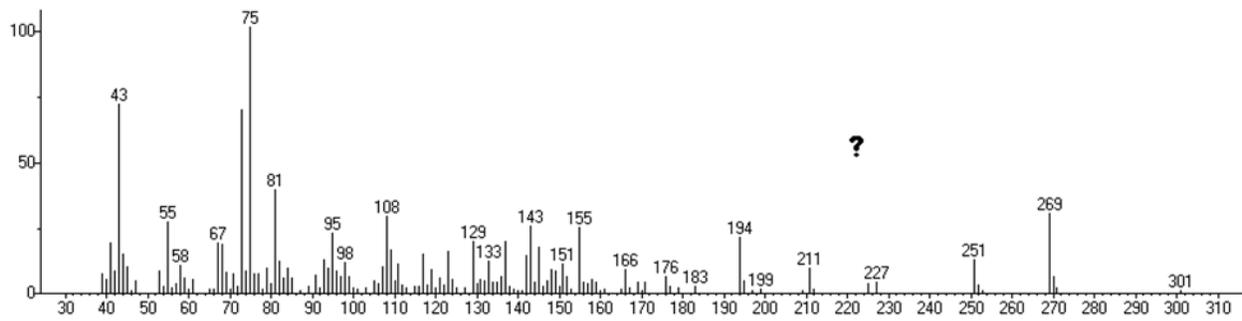
Compound 18 (22.74min): Unk8



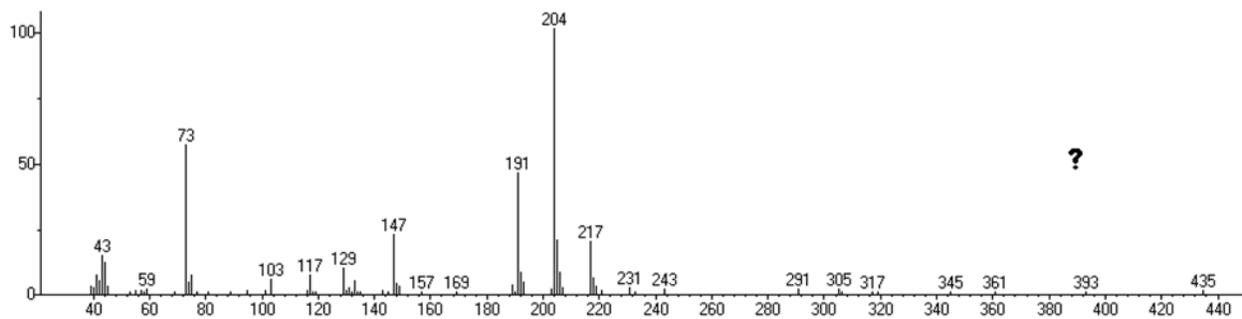
Compound 19 (23.22min): Decanedioic acid



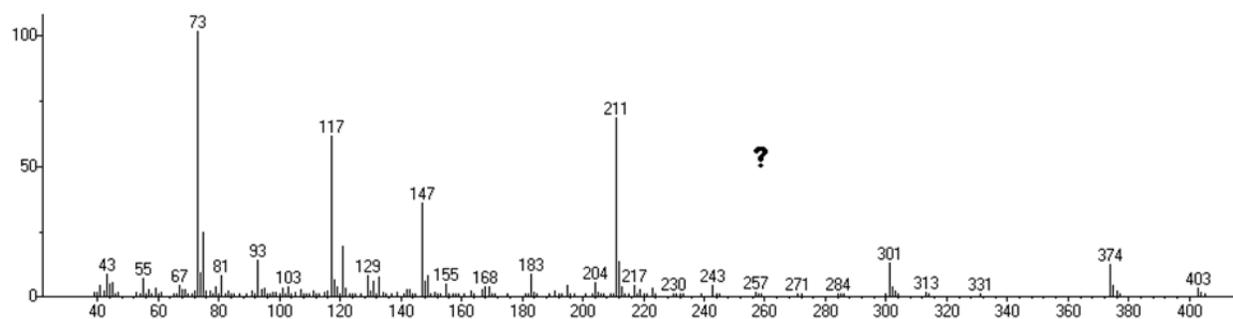
Compound 20 (23.44min): Unk9



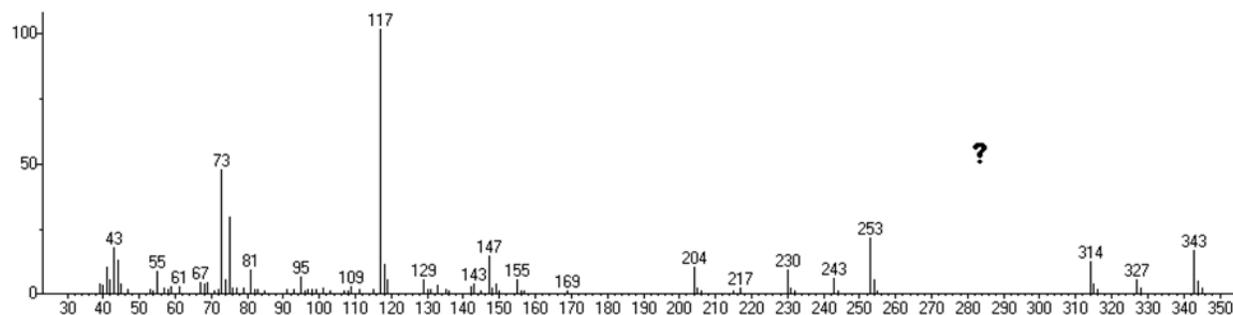
Compound 21 (24.65min): Unk10



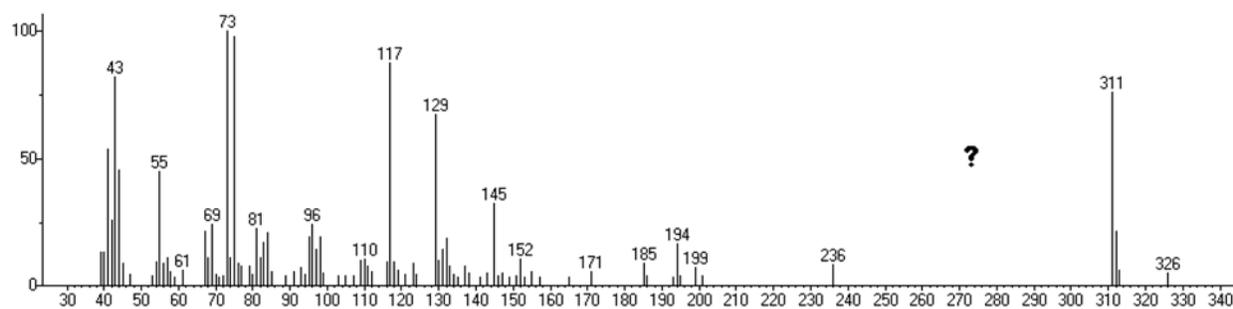
Compound 22 (25.55min): Unk11



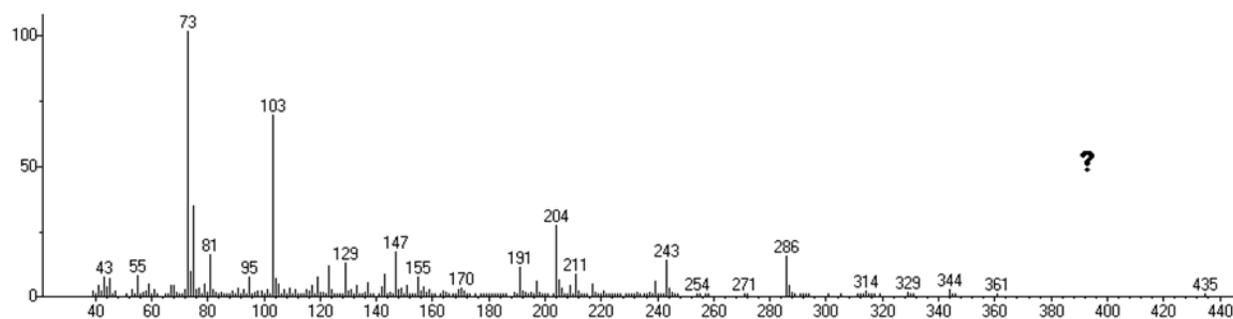
Compound 23 (25.86min): Unk12



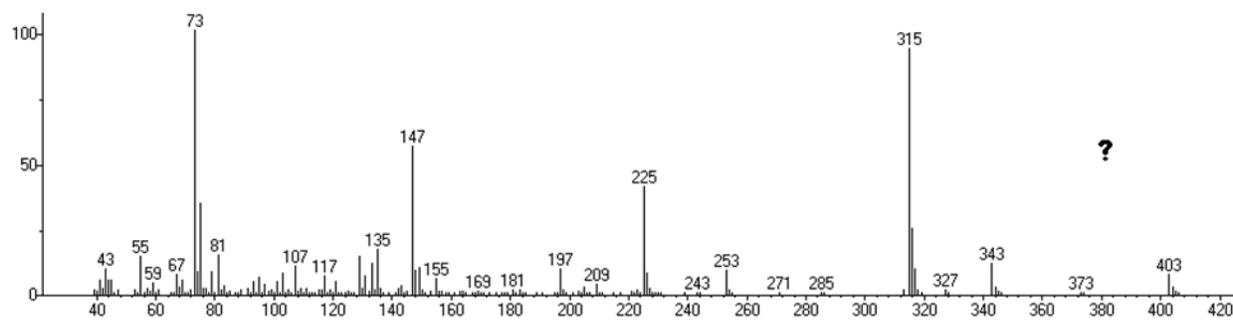
Compound 24 (26.23min): Unk13



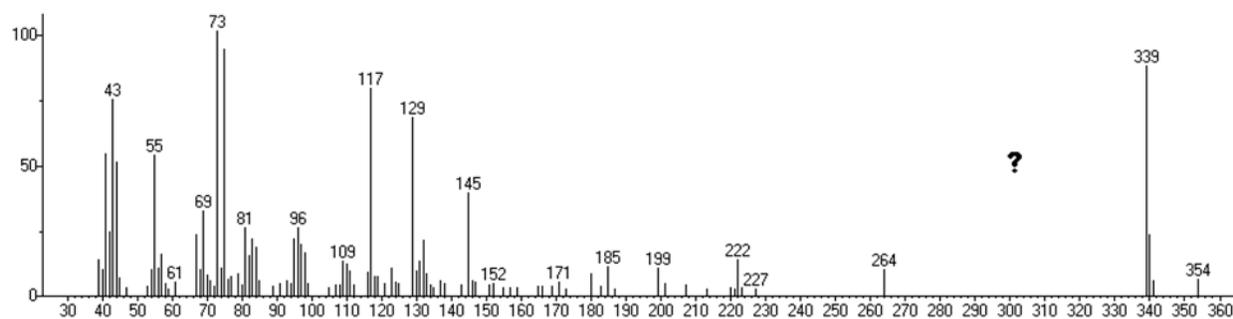
Compound 25 (26.75min): Unk14



Compound 26 (27.80min): Unk15



Compound 27 (30.76min): Octadecanoic acid



Compound 28 (31.14min): Unk16

