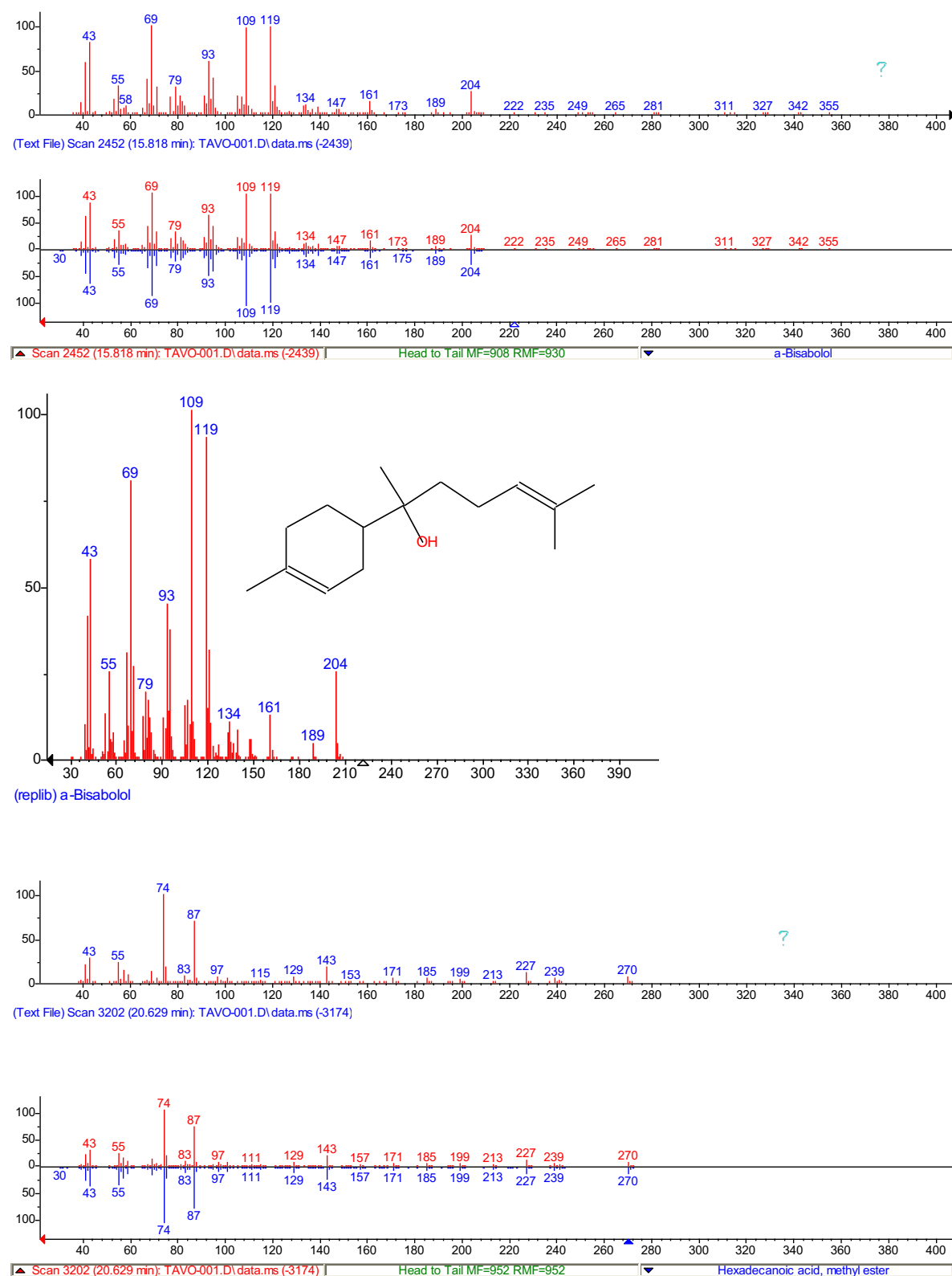
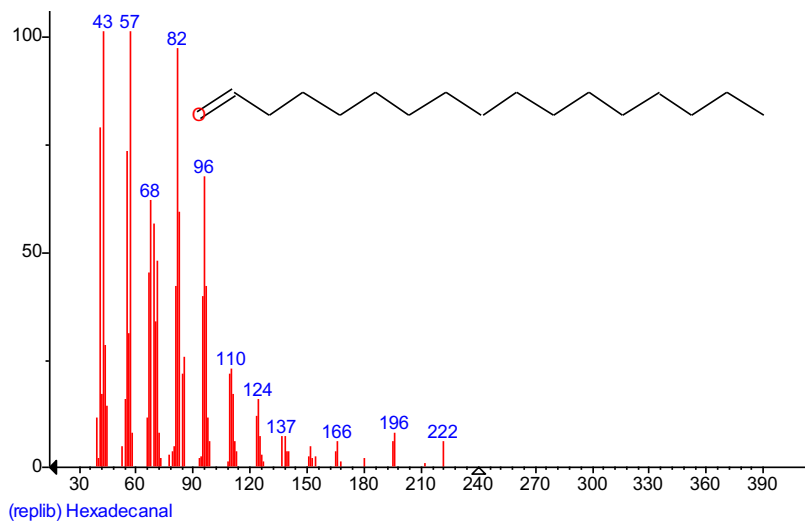
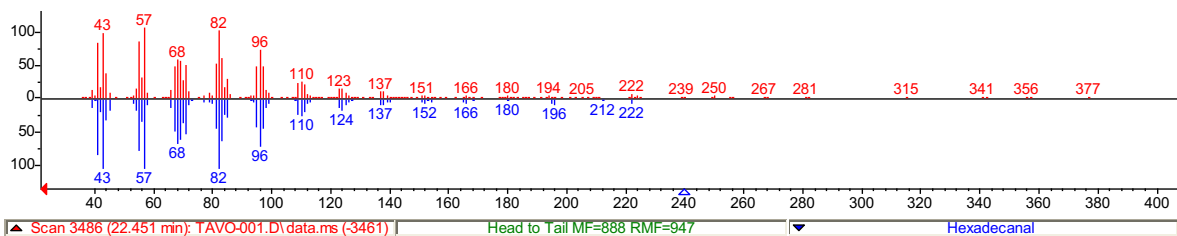
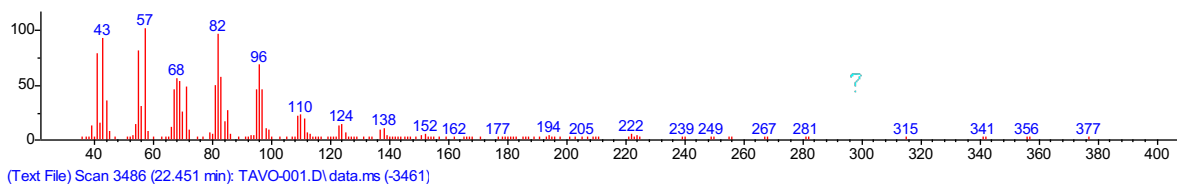
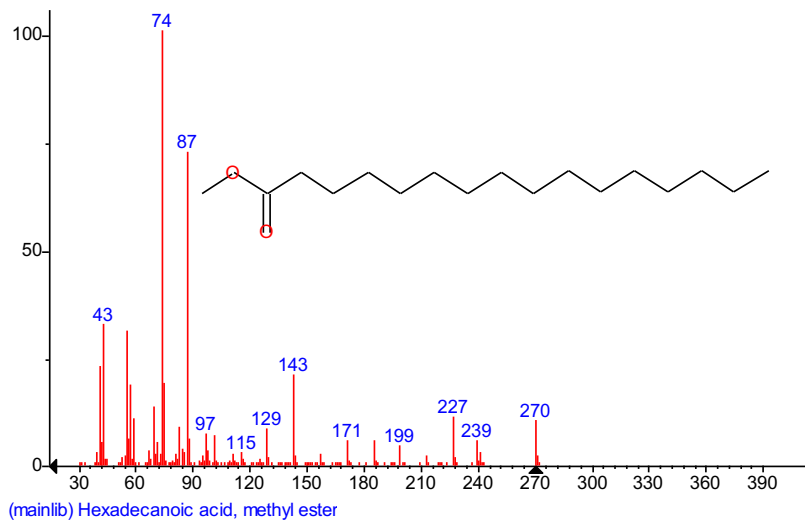
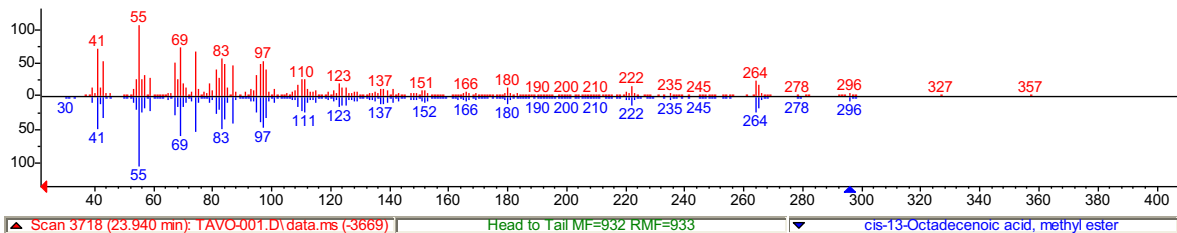
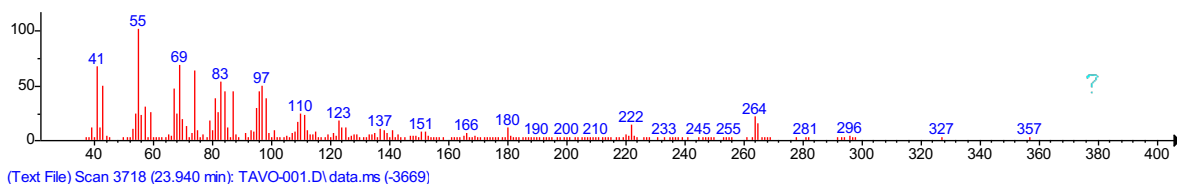
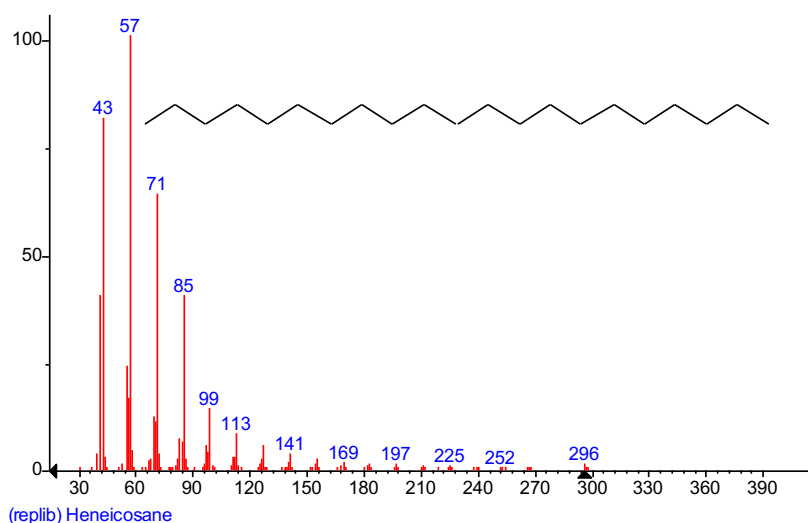
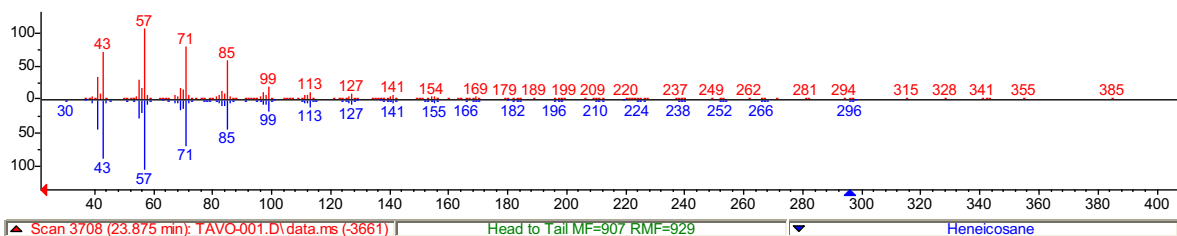
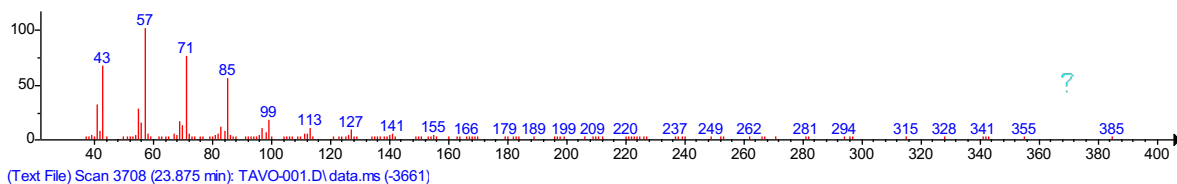


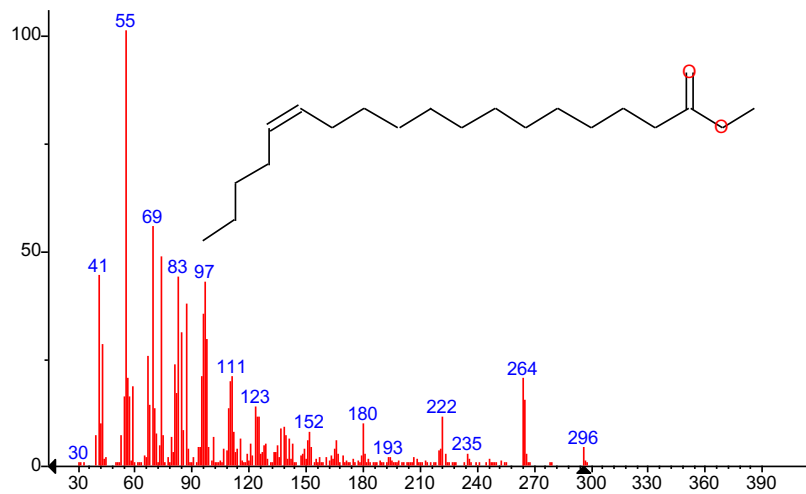
**Figure S1.** GC–MS chromatograms of the hexanic and EA fractions and derivatization of ChEEP.

**Hexanic fraction of ChEEP.**

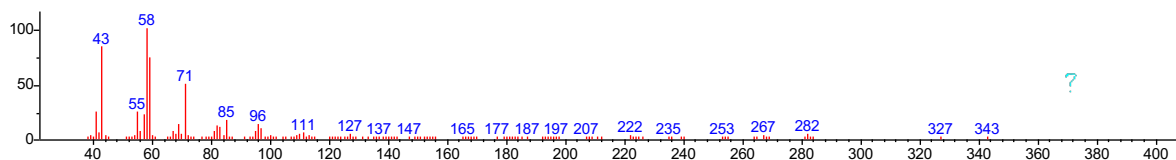




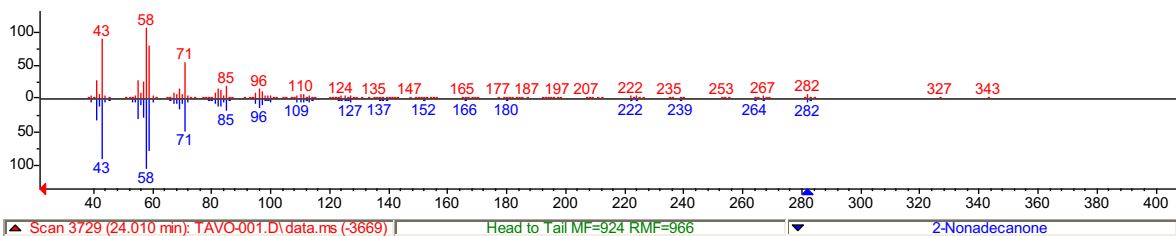




(mainlib) cis-13-Octadecenoic acid, methyl ester



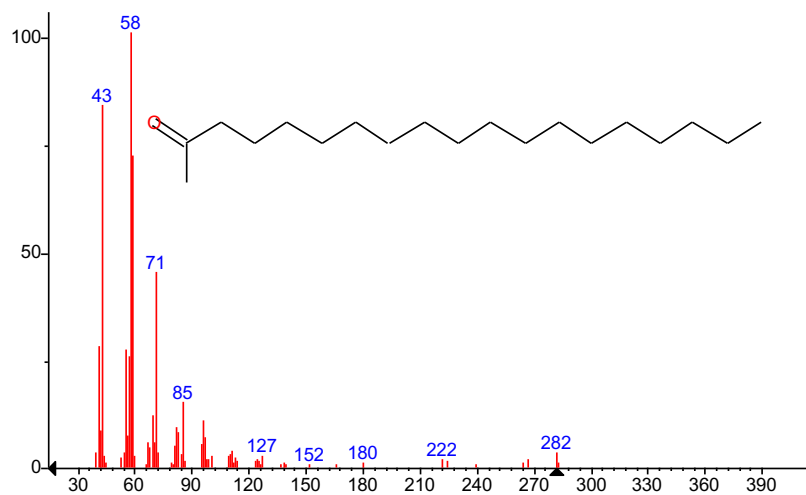
(Text File) Scan 3729 (24.010 min): TAVO-001.D\data.ms (-3669)



▲ Scan 3729 (24.010 min): TAVO-001.D\data.ms (-3669)

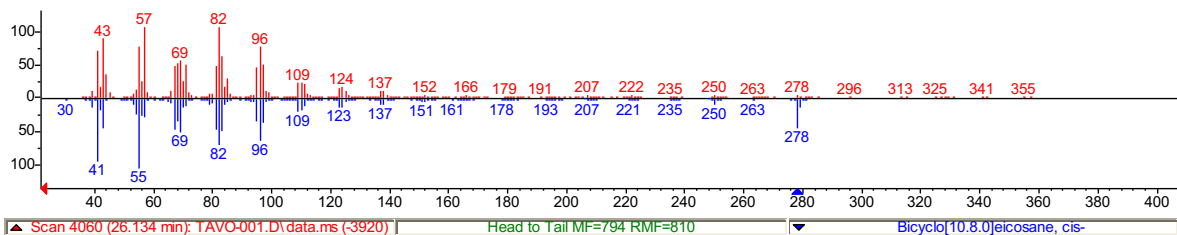
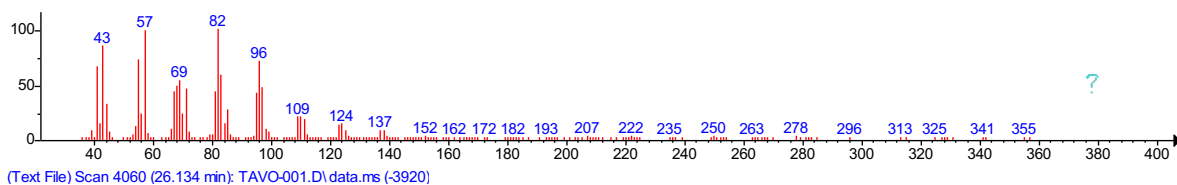
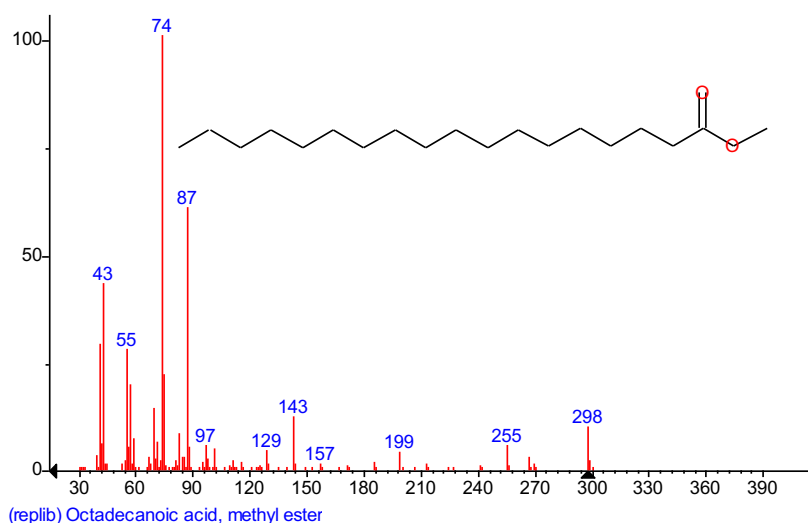
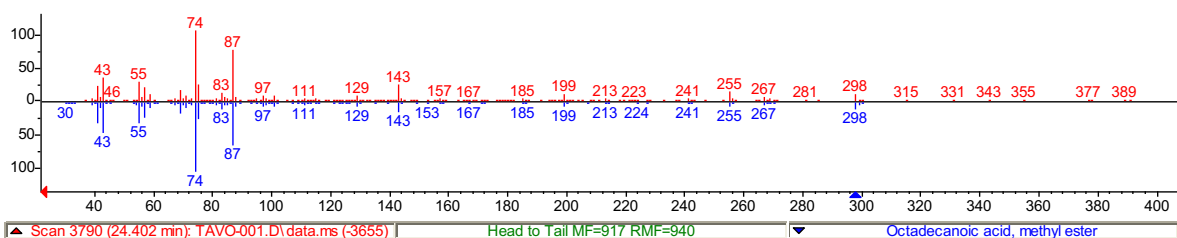
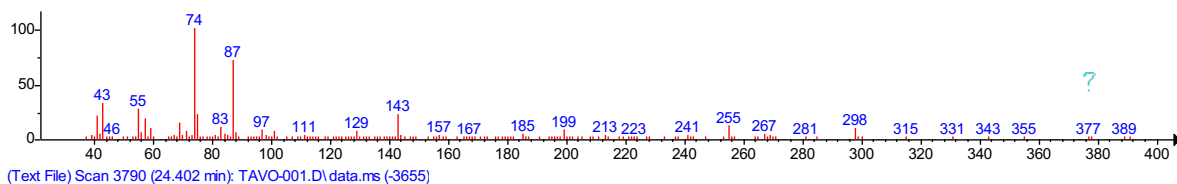
Head to Tail MF=924 RMF=966

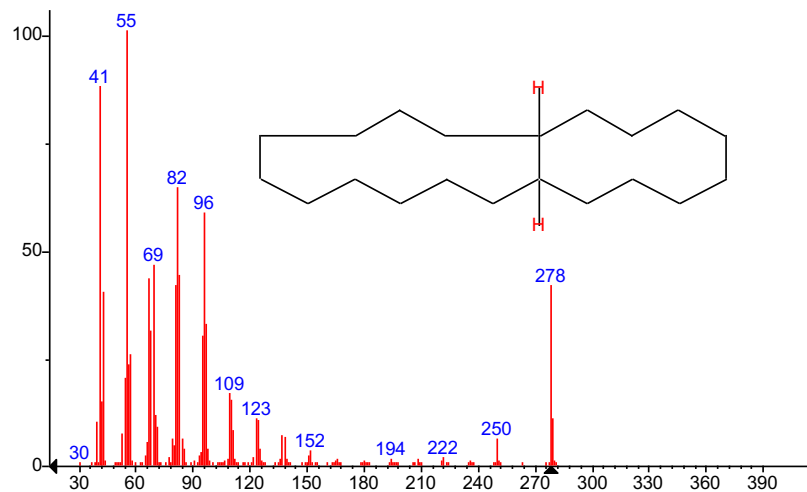
2-Nonadecanone



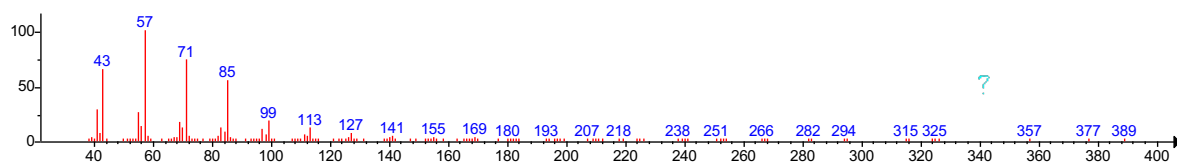
(mainlib) 2-Nonadecanone



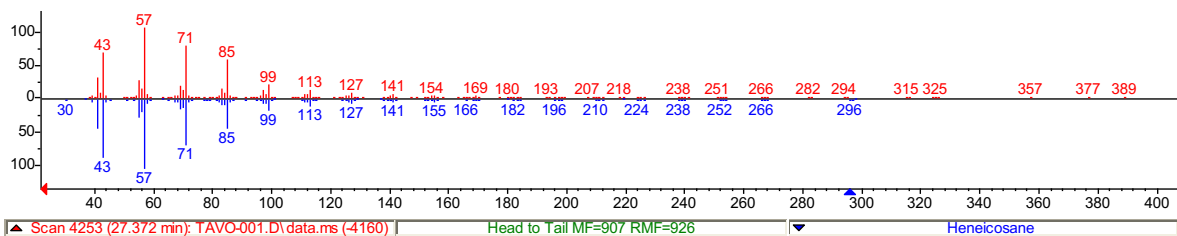




(mainlib) Bicyclo[10.8.0]eicosane, cis-



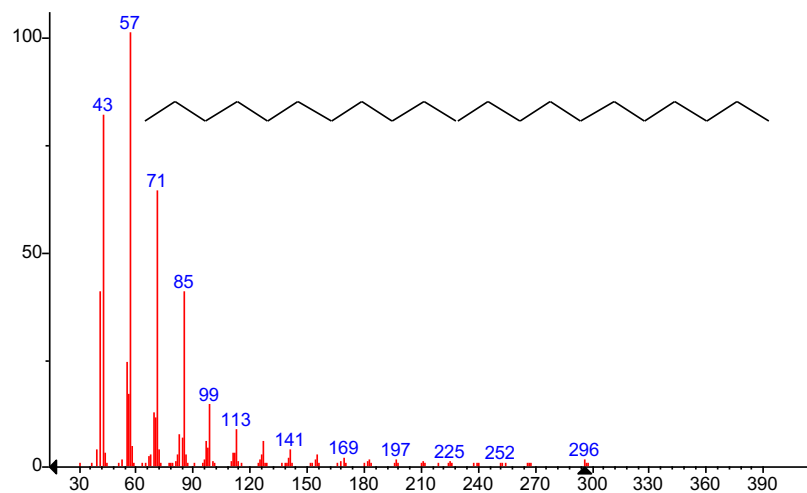
(Text File) Scan 4253 (27.372 min): TAVO-001.D\data.ms (-4160)



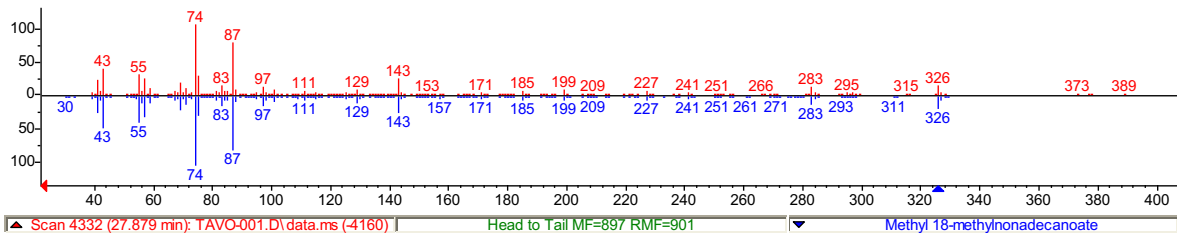
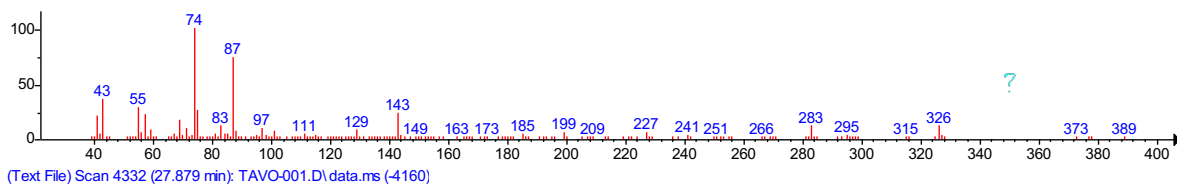
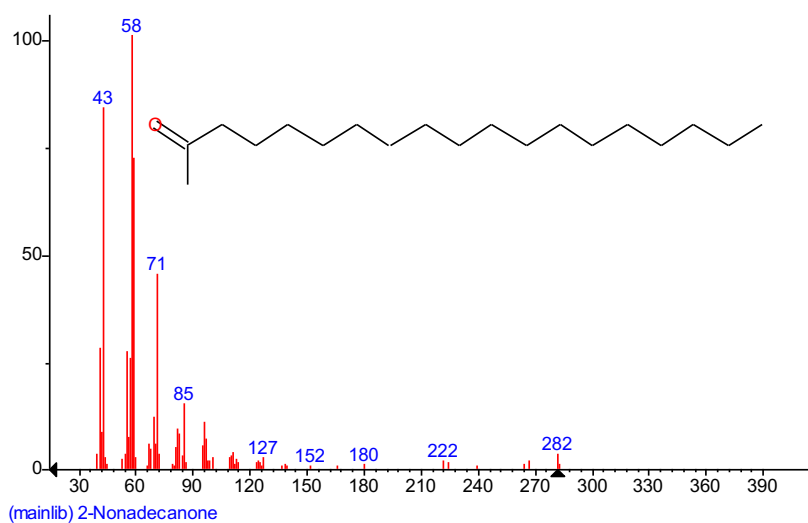
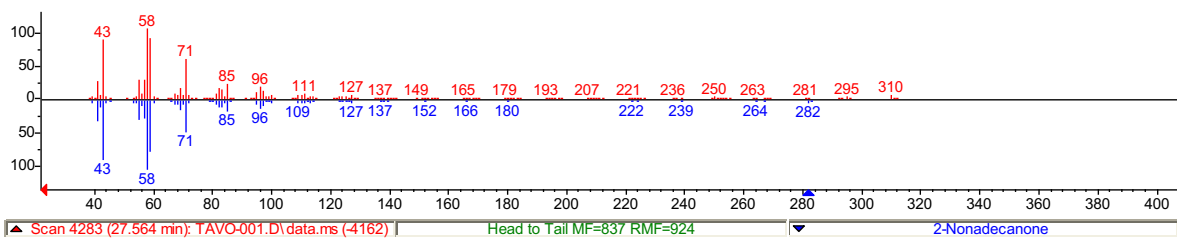
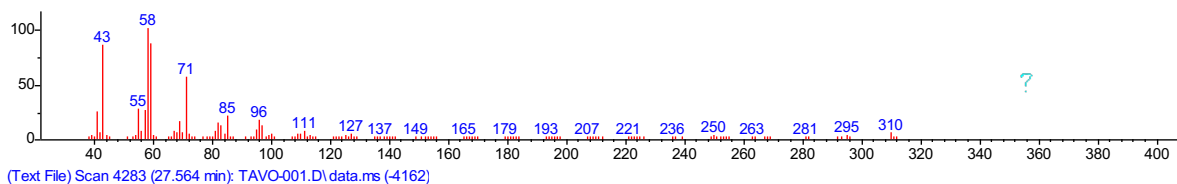
Scan 4253 (27.372 min): TAVO-001.D\data.ms (-4160)

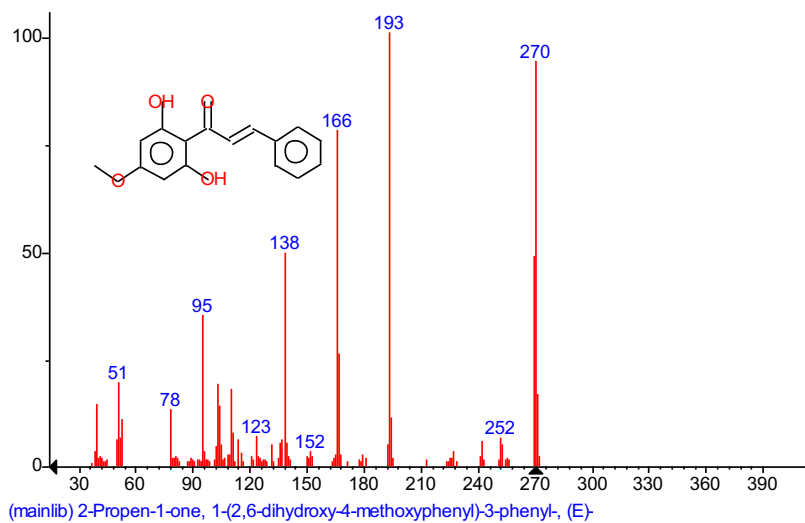
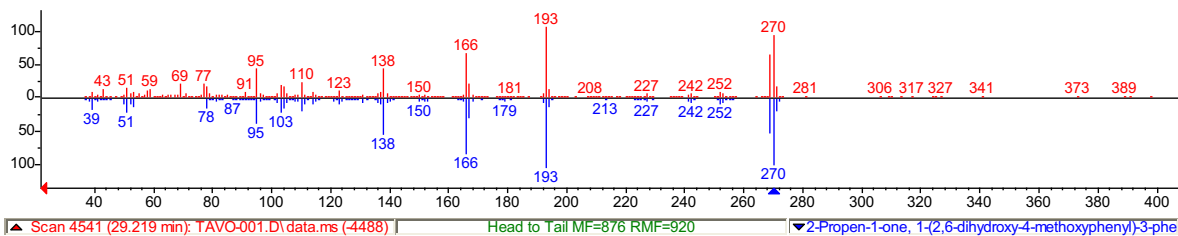
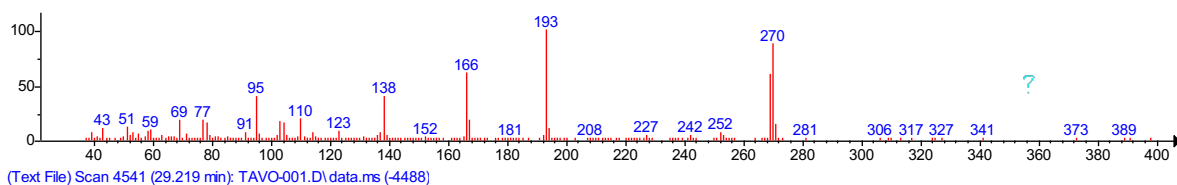
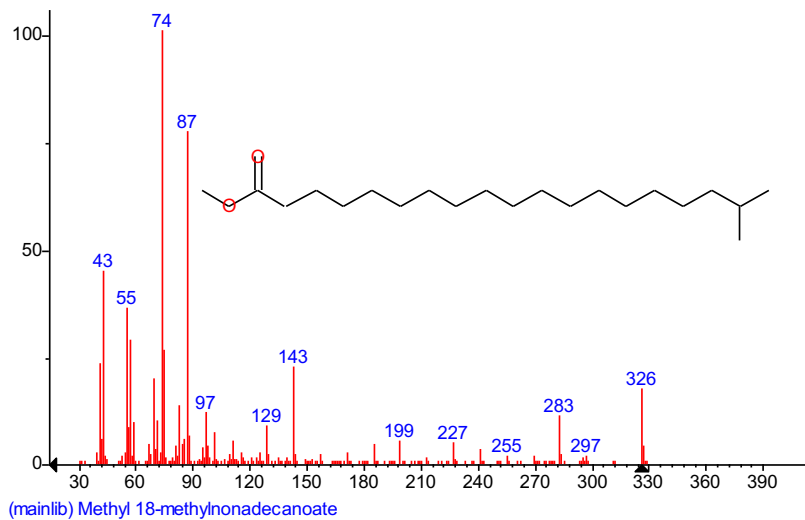
Head to Tail MF=907 RMF=926

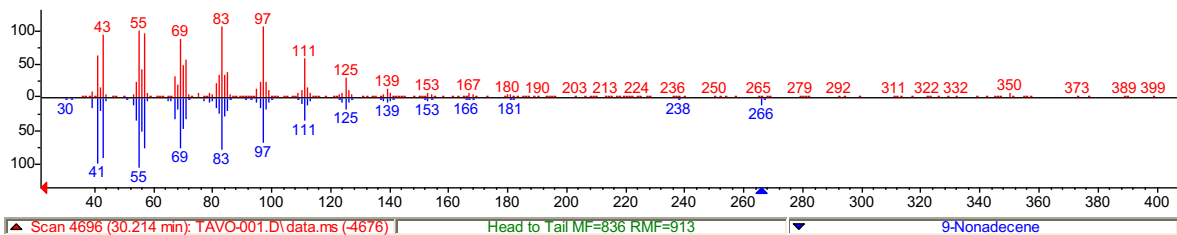
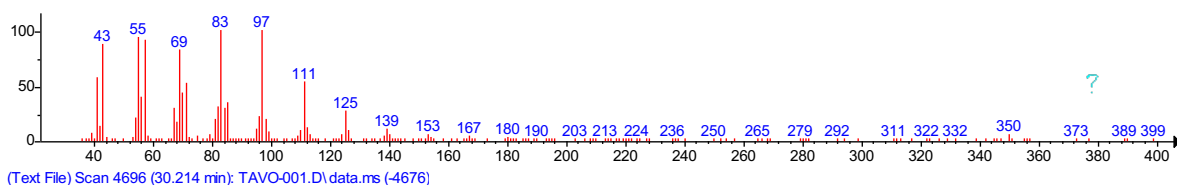
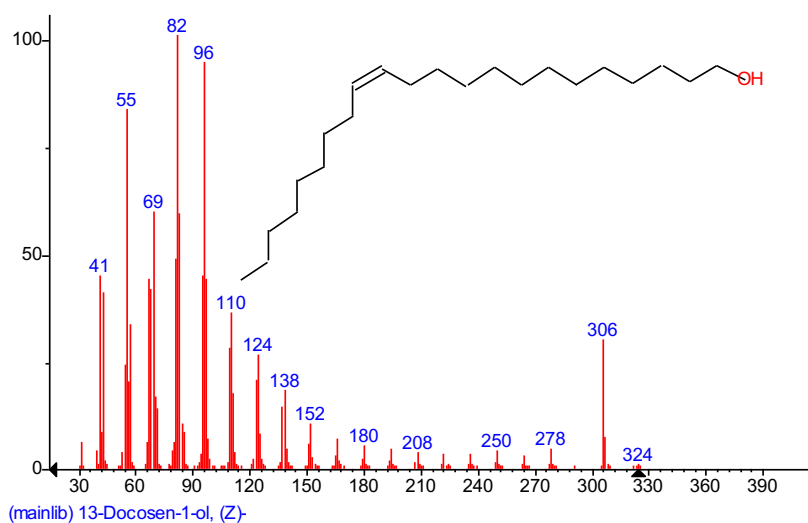
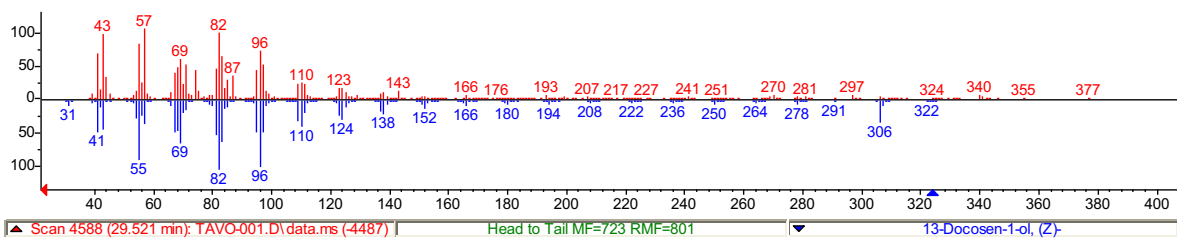
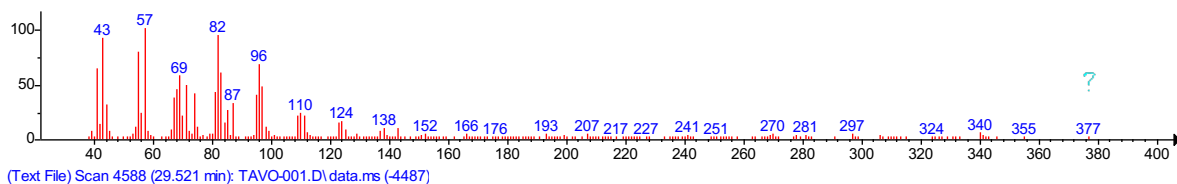
Heneicosane

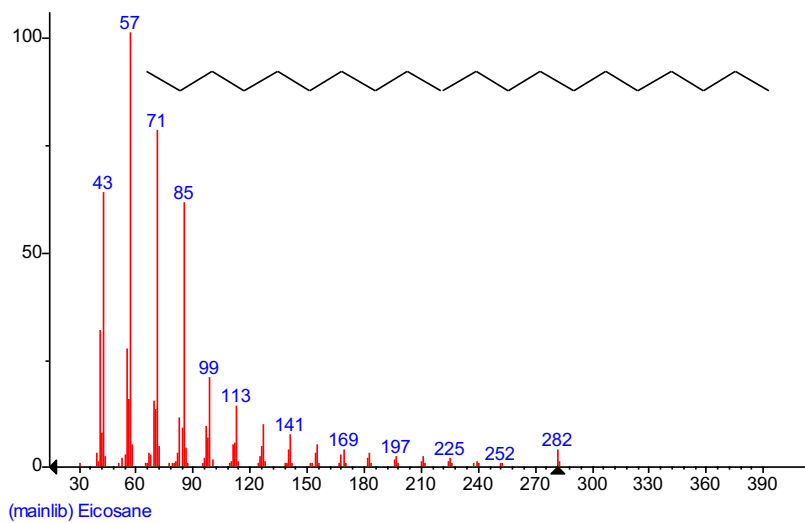
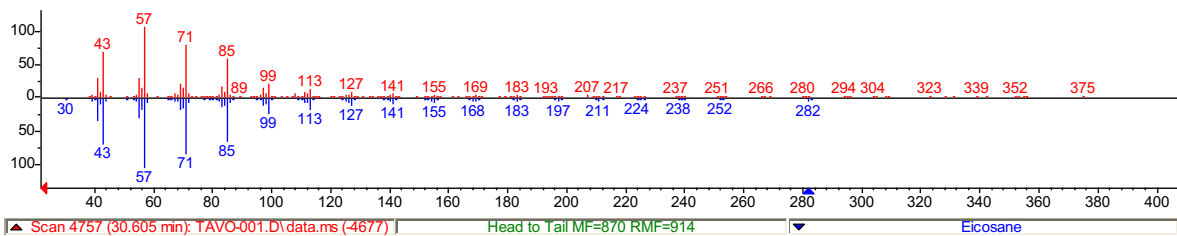
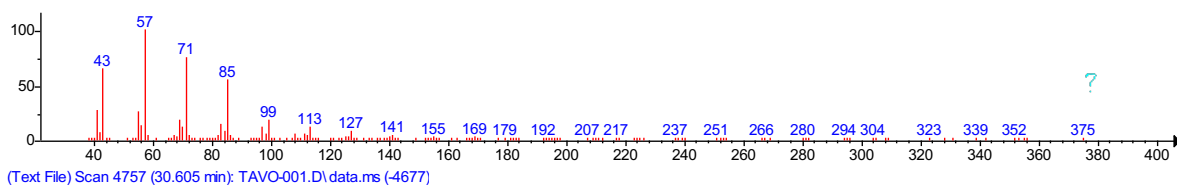
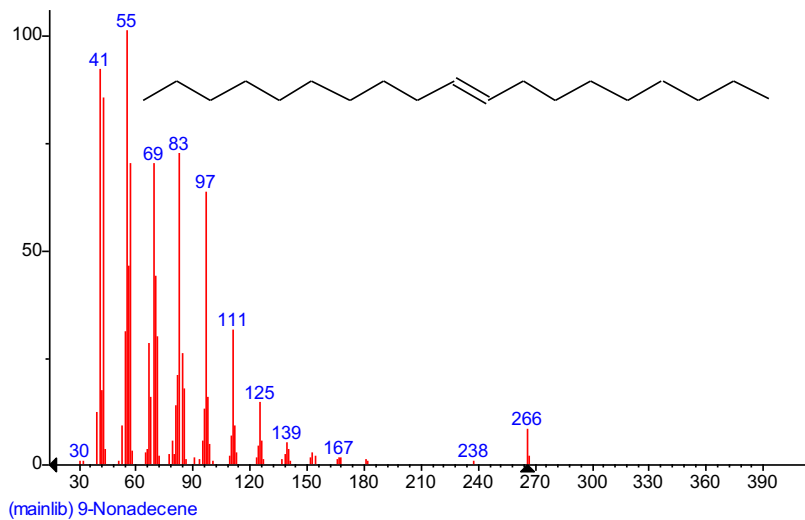


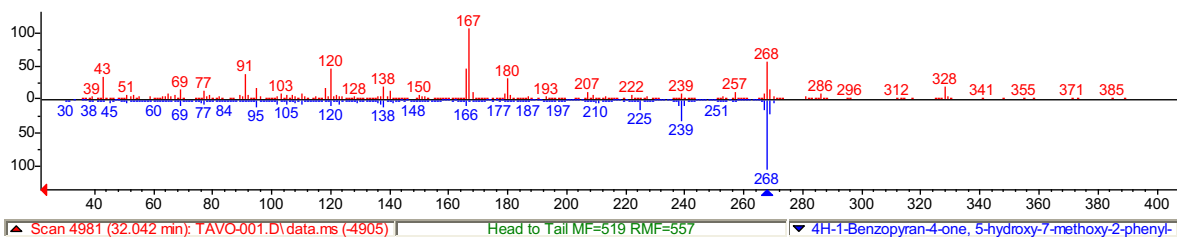
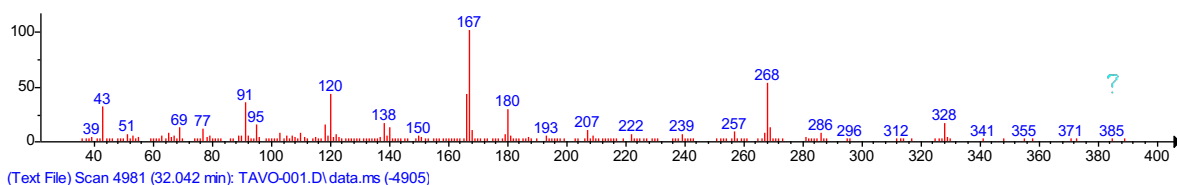
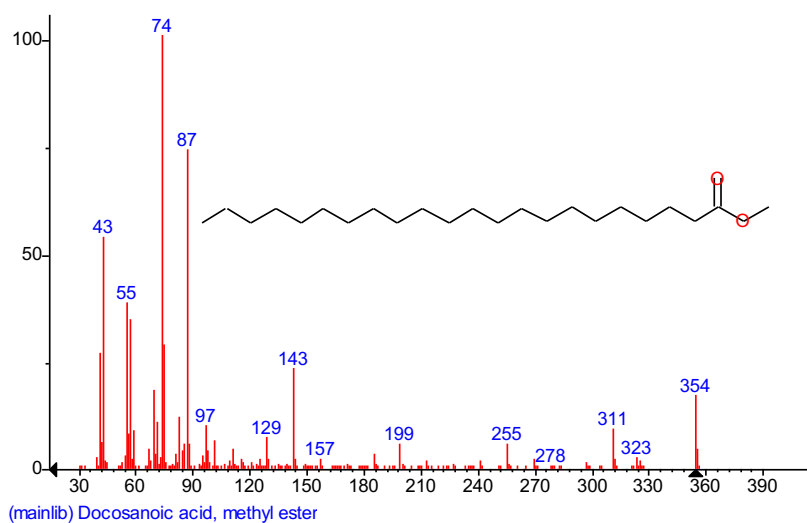
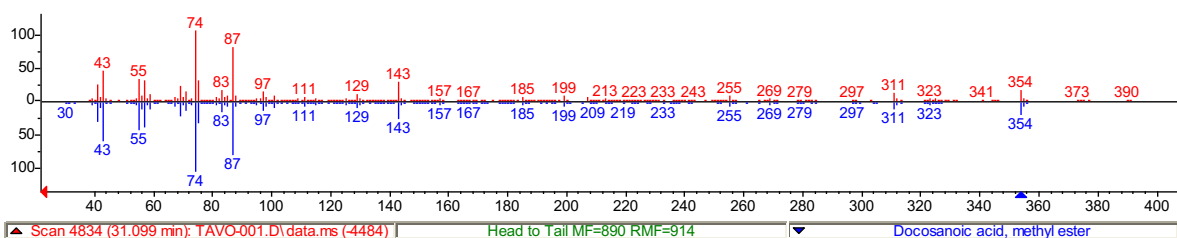
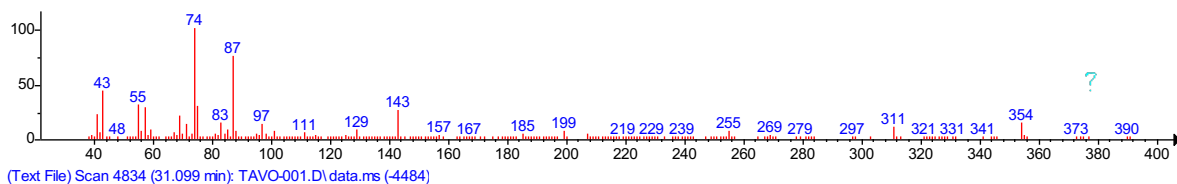
(replib) Heneicosane

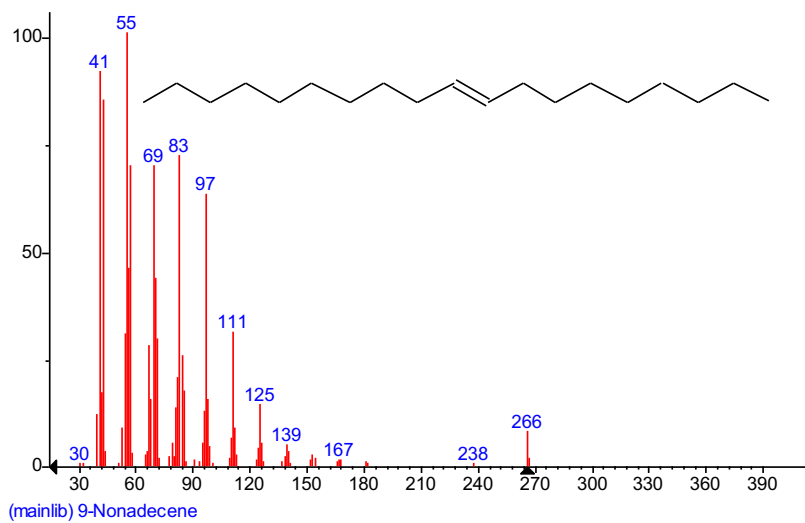
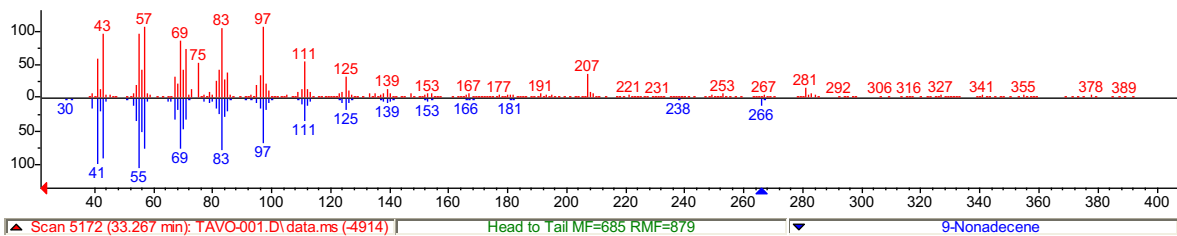
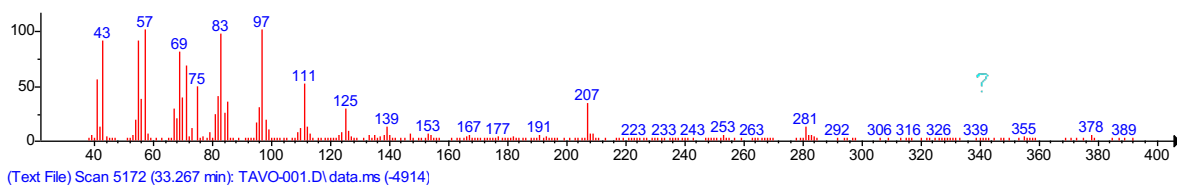
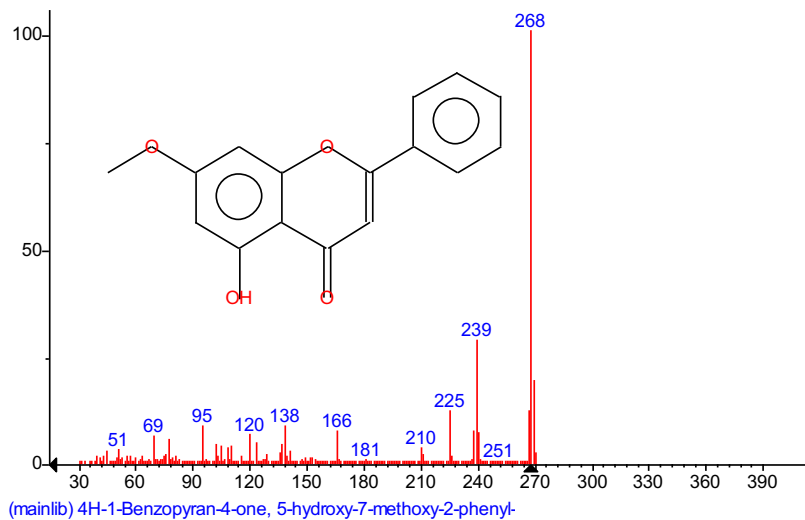




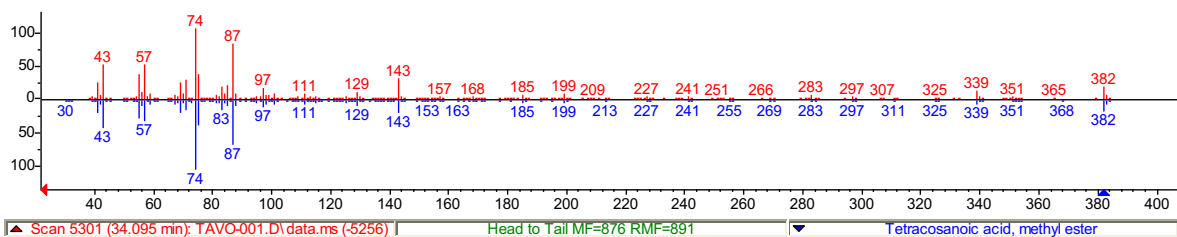
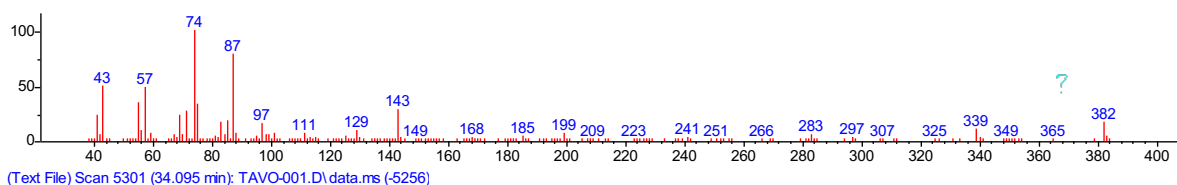
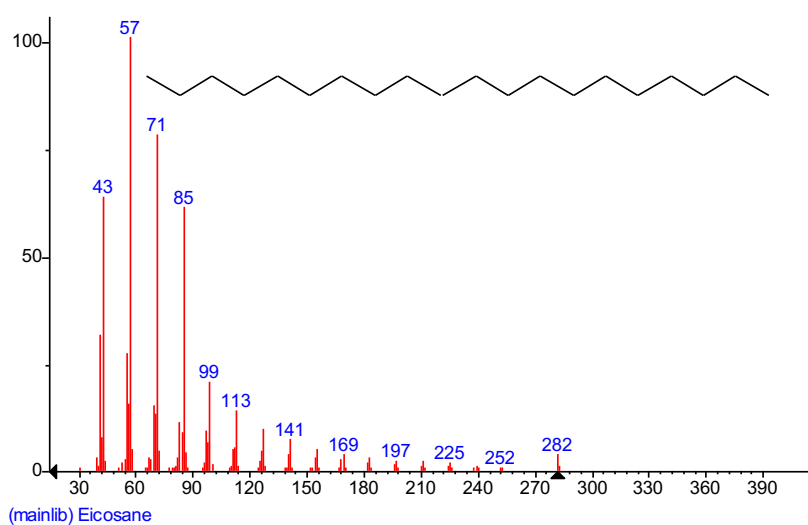
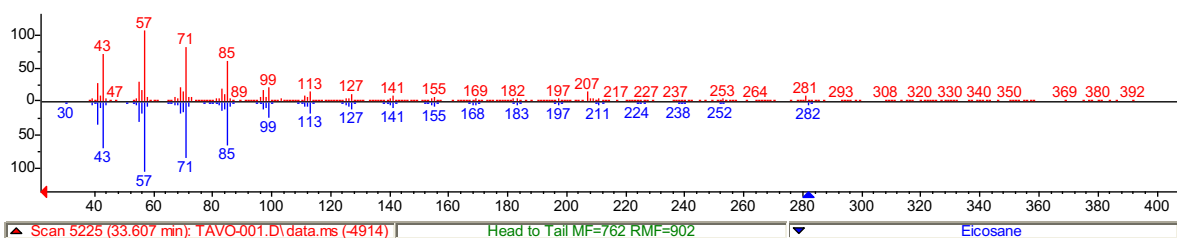
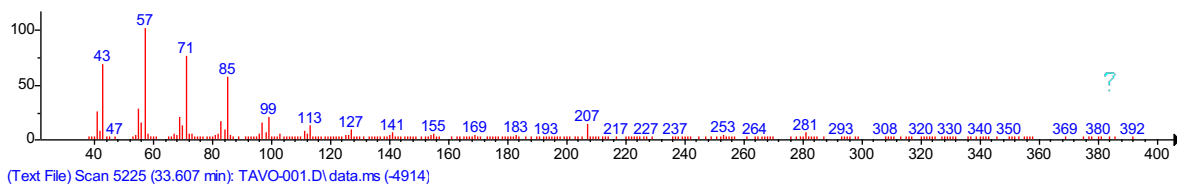


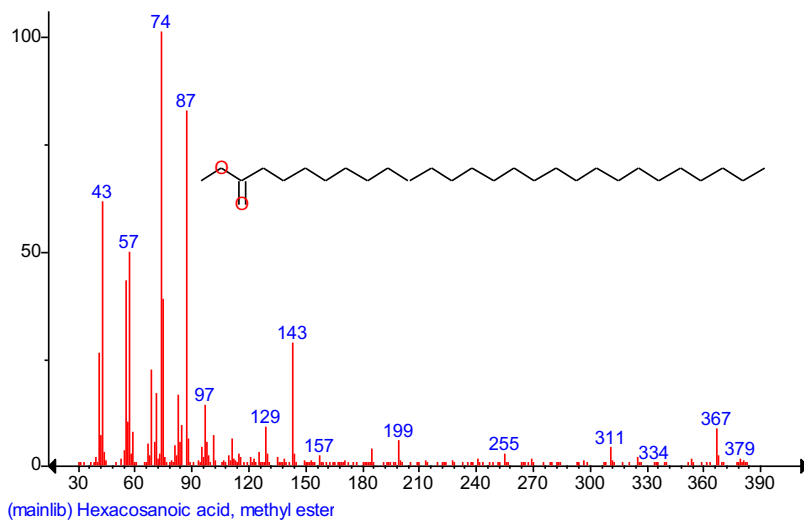
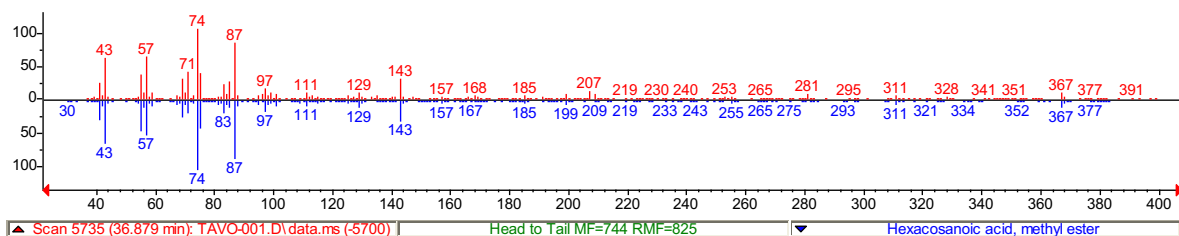
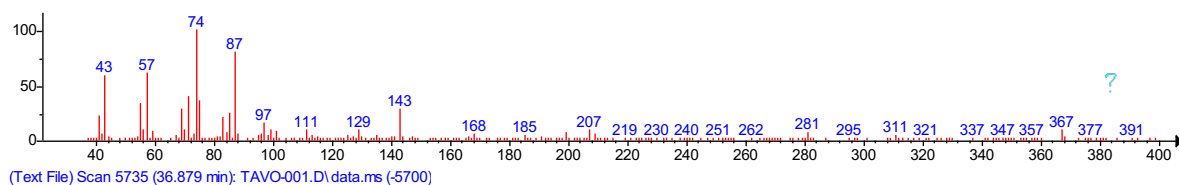
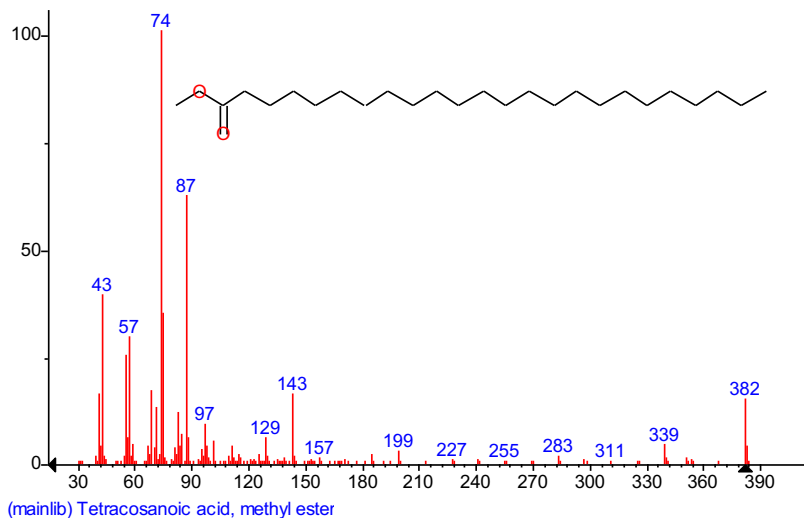


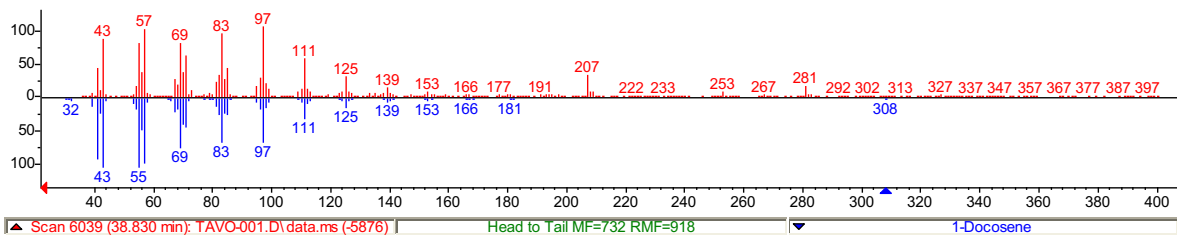
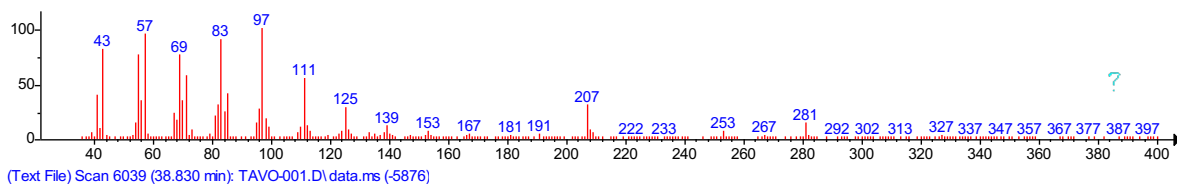
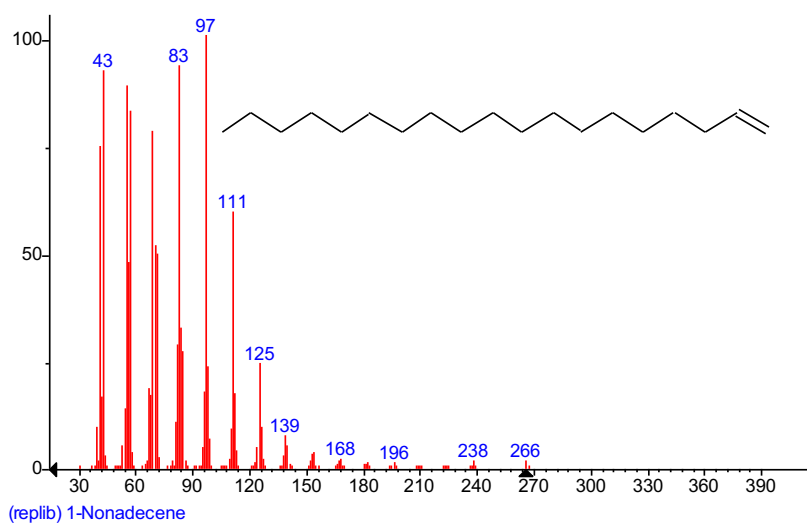
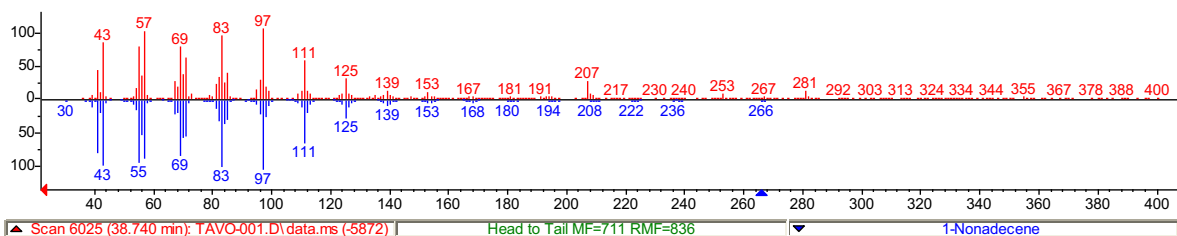
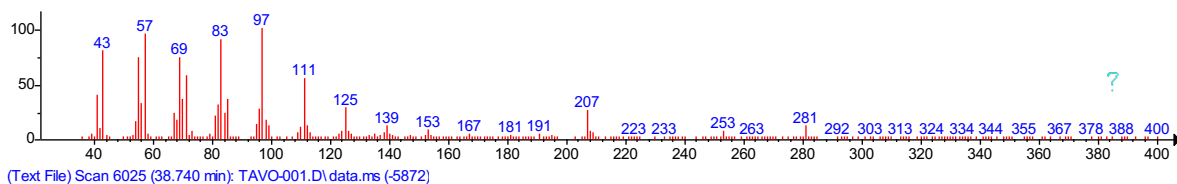


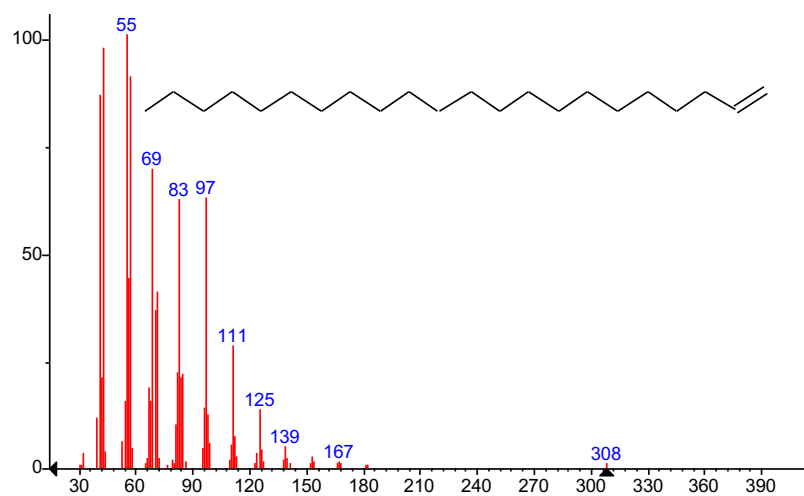






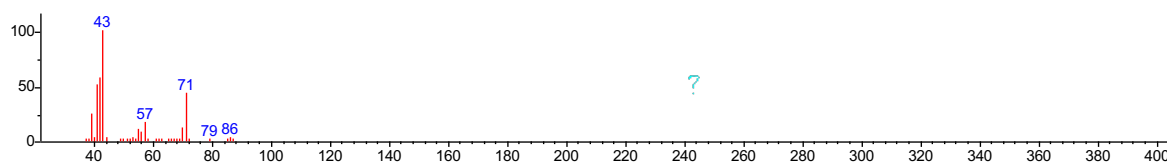




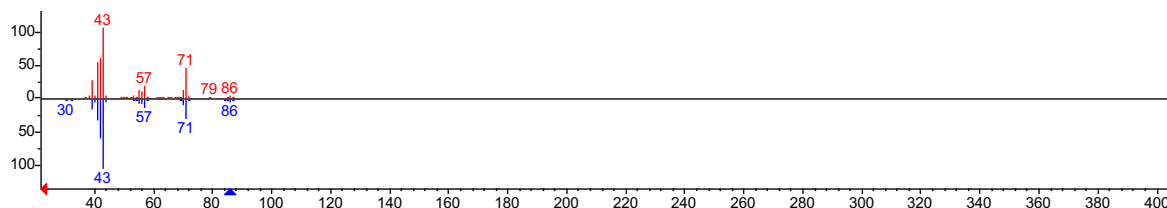


(replib) 1-Docosene

## Ethyl Acetate fraction of ChEEP.



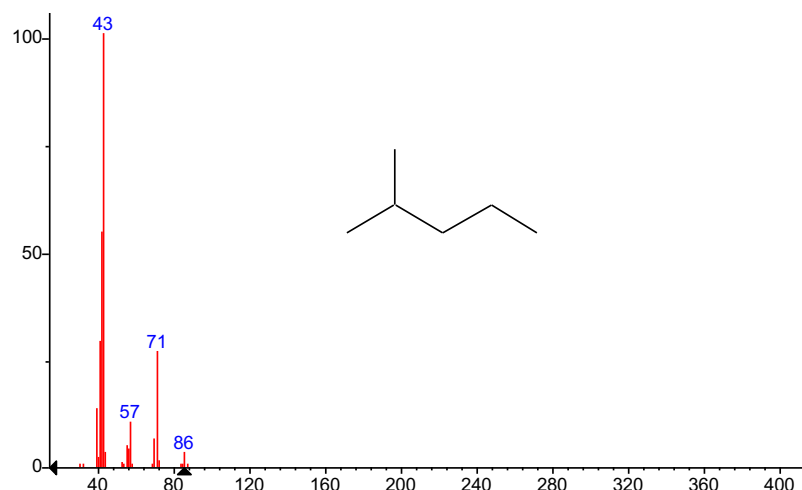
(Text File) Scan 224 (1.525 min): TAVO-002.D\data.ms (-212)



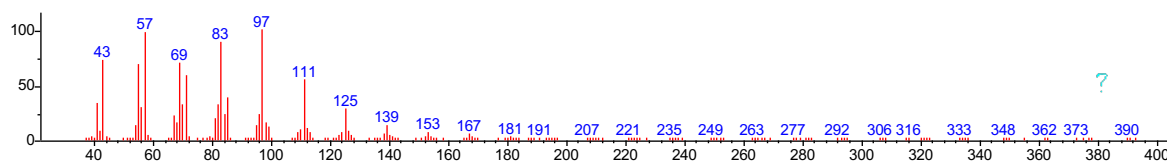
Scan 224 (1.525 min): TAVO-002.D\data.ms (-212)

Head to Tail MF=947 RMF=958

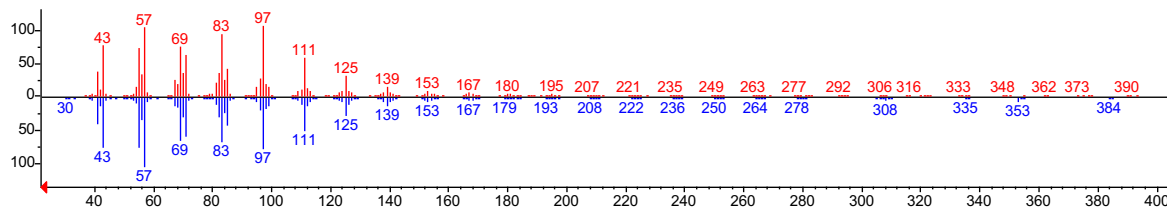
Pentane, 2-methyl-



(mainlib) Pentane, 2-methyl-



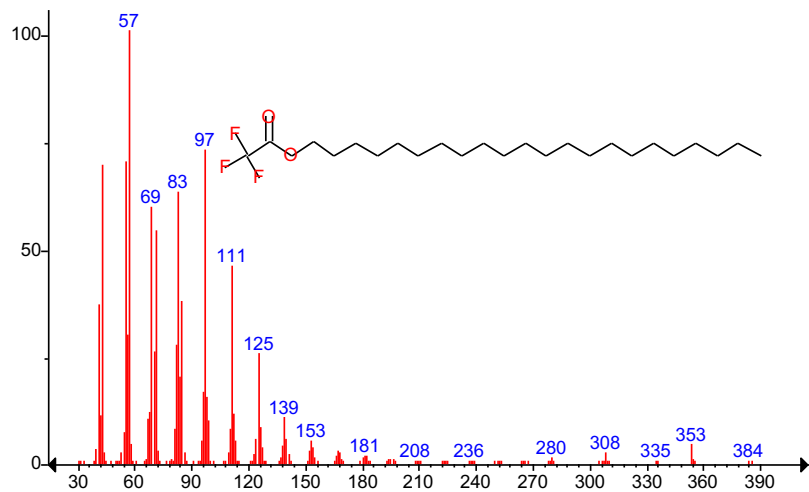
(Text File) Scan 5005 (32.196 min): TAVO-002.D\data.ms (-4971)



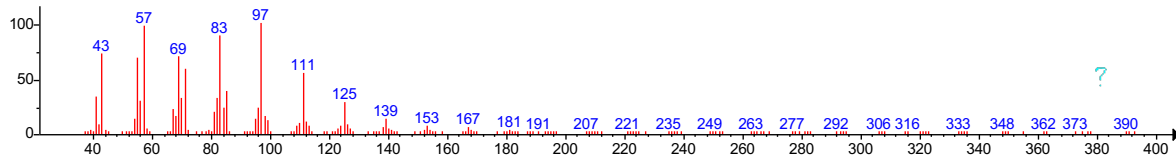
Scan 5005 (32.196 min): TAVO-002.D\data.ms (-4971)

Head to Tail MF=863 RMF=878

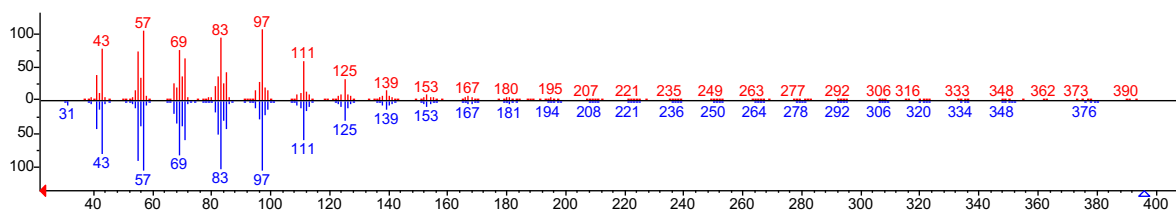
Docosyl trifluoroacetate



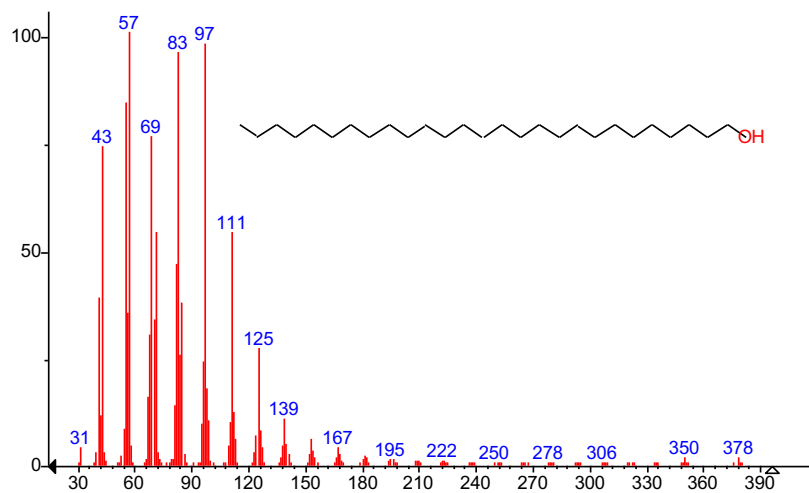
(mainlib) Docosyl trifluoroacetate



(Text File) Scan 5005 (32.196 min): TAVO-002.D\data.ms (-4971)

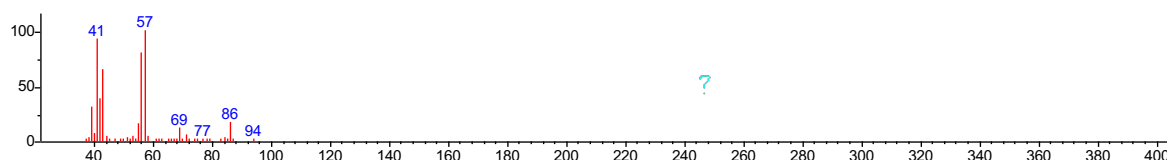


▲ Scan 5005 (32.196 min): TAVO-002.D\data.ms (-4971) | Head to Tail MF=895 RMF=907 | ▼ 1-Heptacosanol

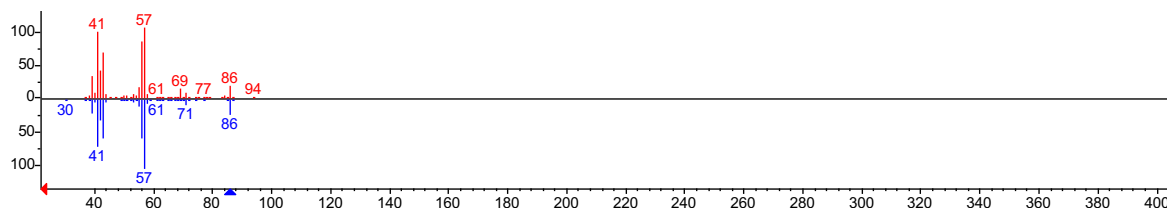


(mainlib) 1-Heptacosanol

## Derivatization of ChEEP.



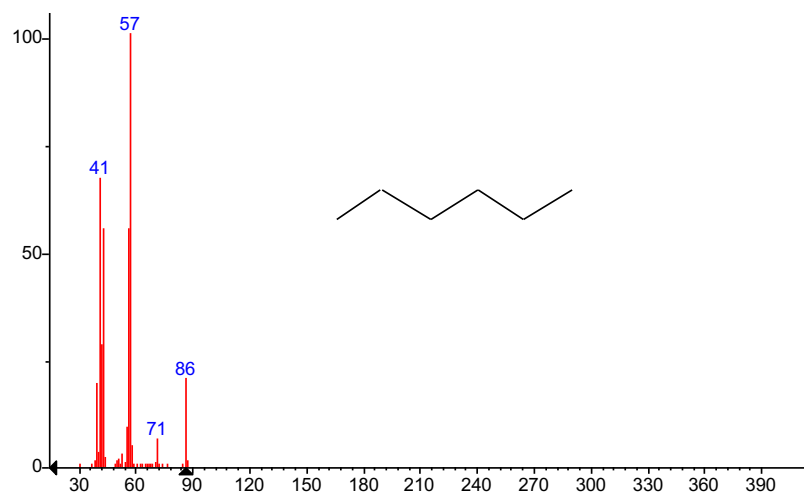
(Text File) Scan 248 (1.679 min): TAVO-003.D\data.ms (-190)



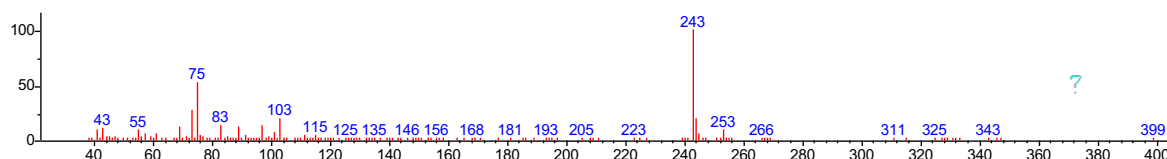
Scan 248 (1.679 min): TAVO-003.D\data.ms (-190)

Head to Tail MF=898 RMF=904

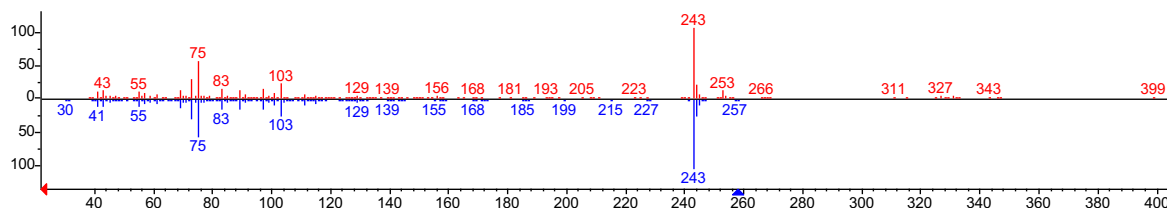
Hexane



(replib) Hexane



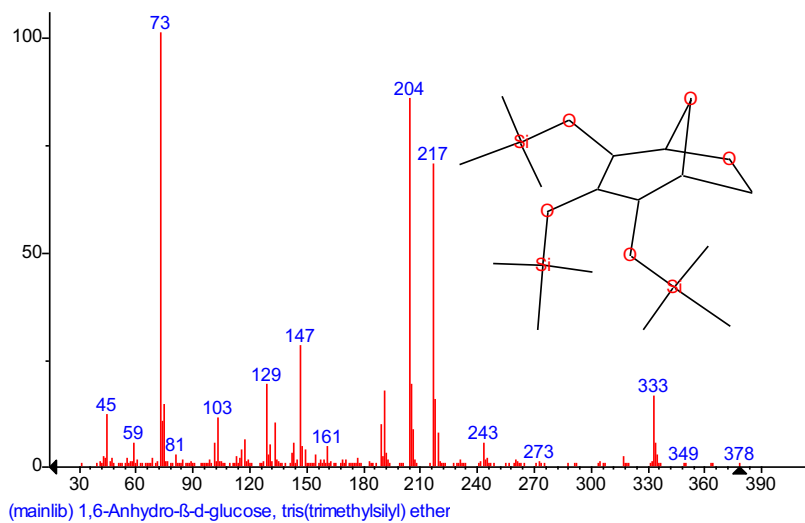
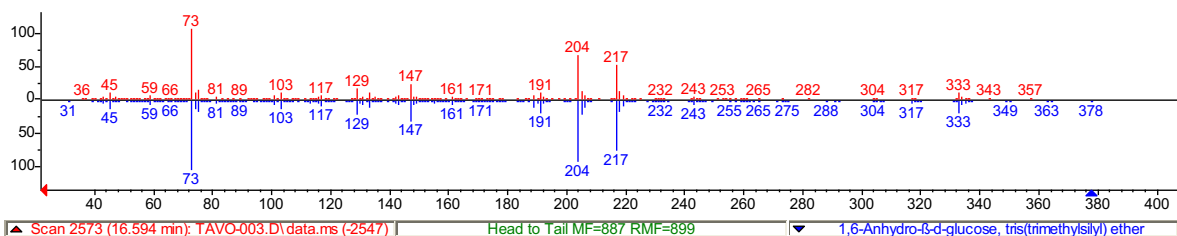
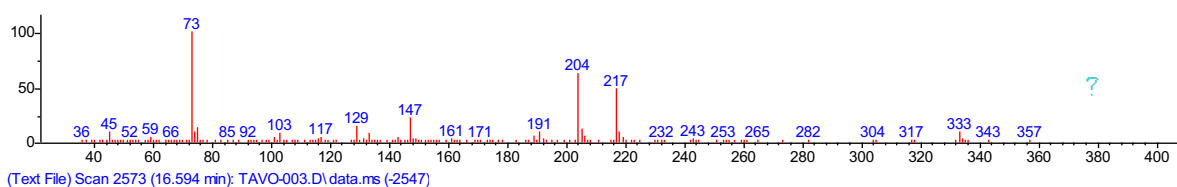
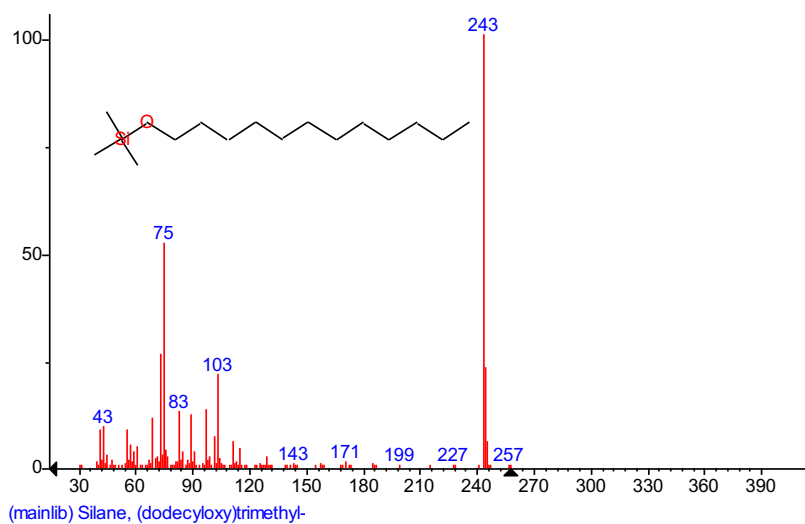
(Text File) Scan 2046 (13.213 min): TAVO-003.D\data.ms (-1832)



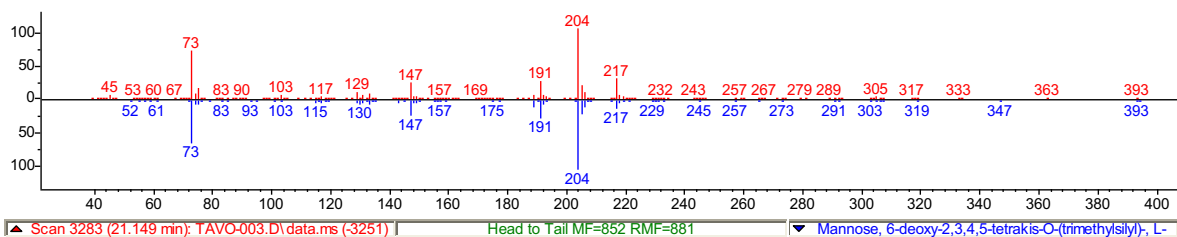
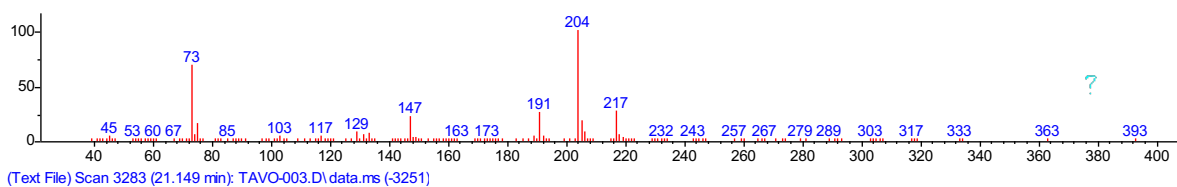
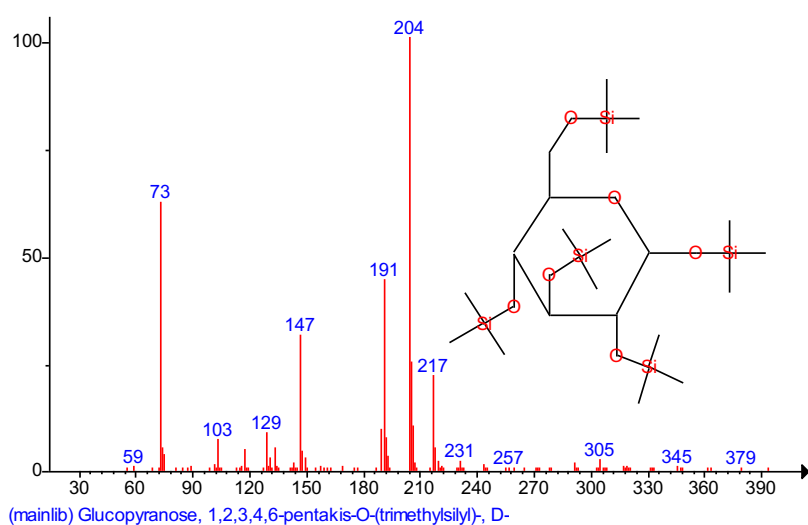
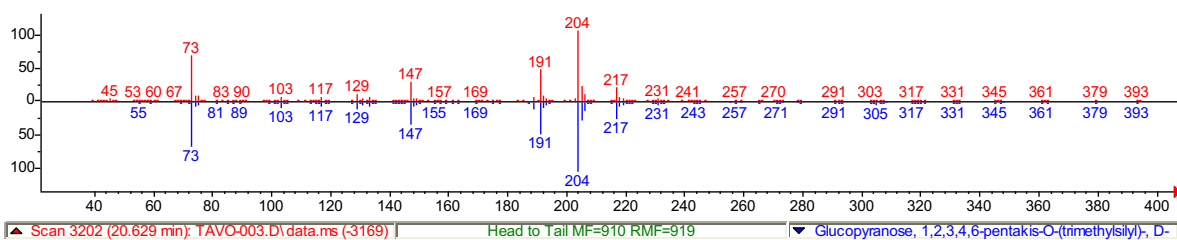
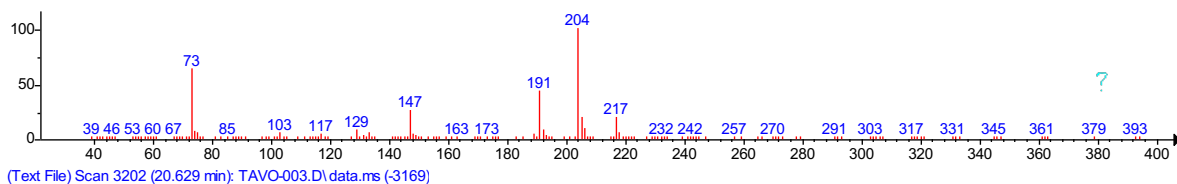
Scan 2046 (13.213 min): TAVO-003.D\data.ms (-1832)

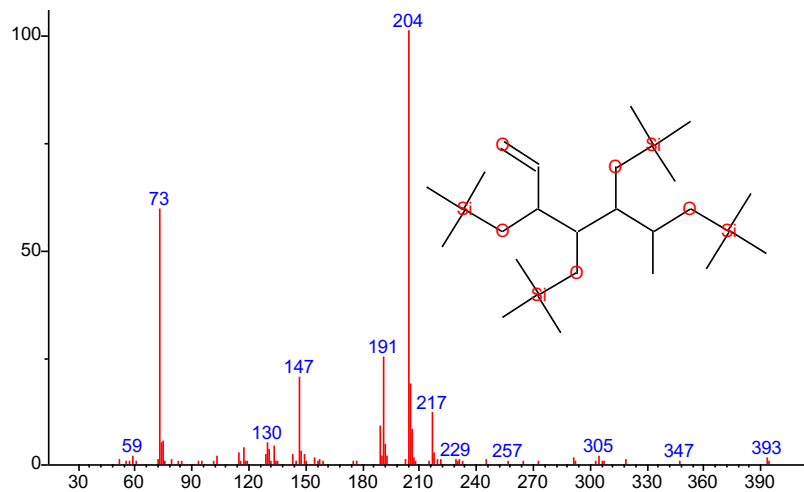
Head to Tail MF=794 RMF=891

Silane, (dodecyloxy)trimethyl-

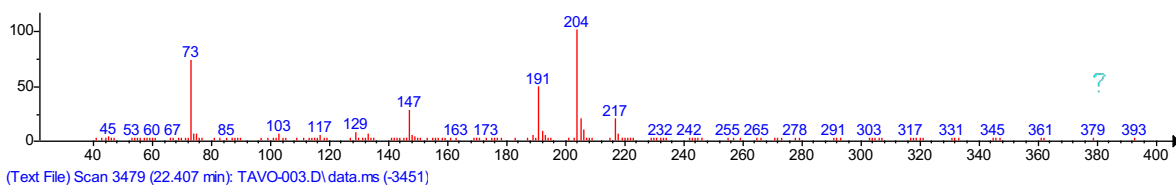




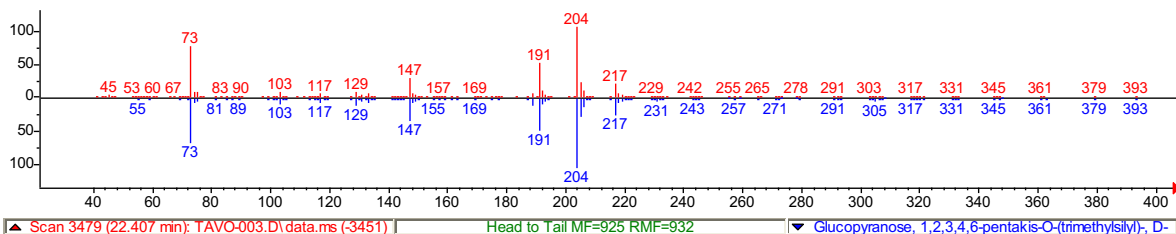




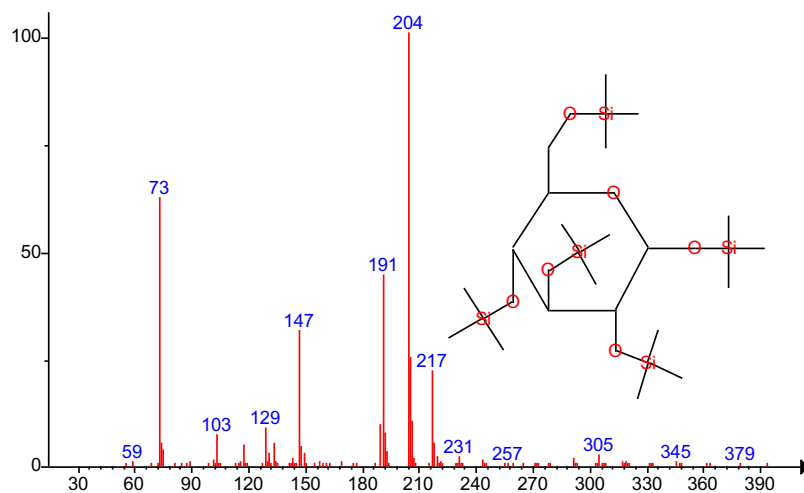
(replib) Mannose, 6-deoxy-2,3,4,5-tetrakis-O-(trimethylsilyl)-, L-



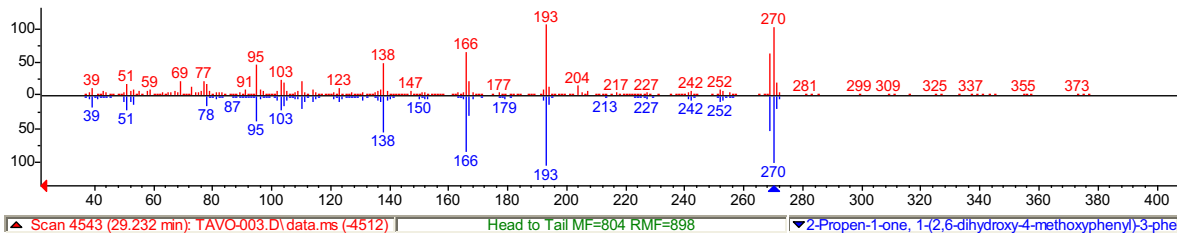
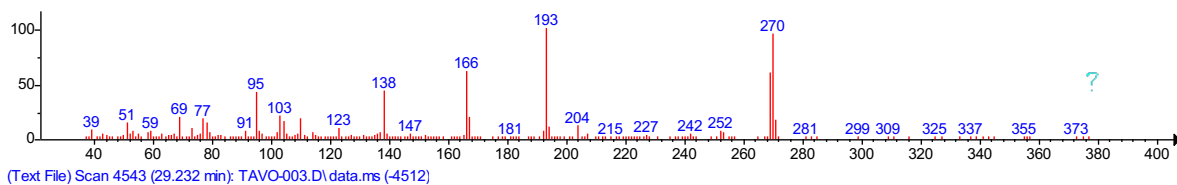
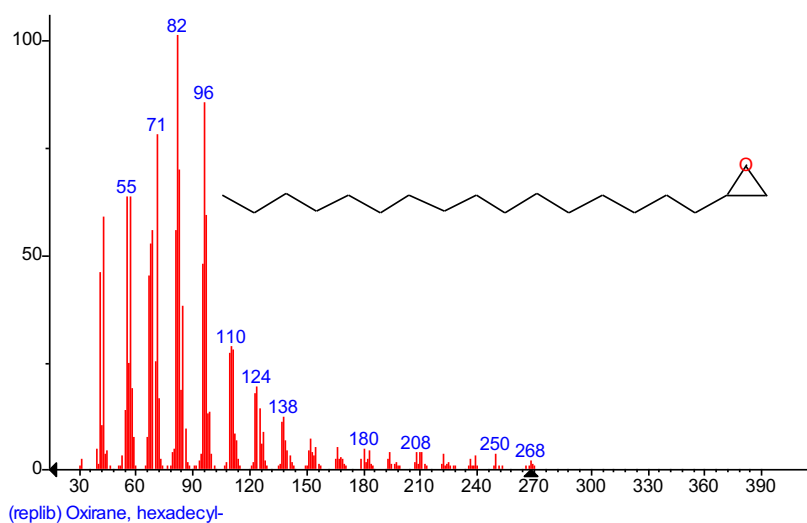
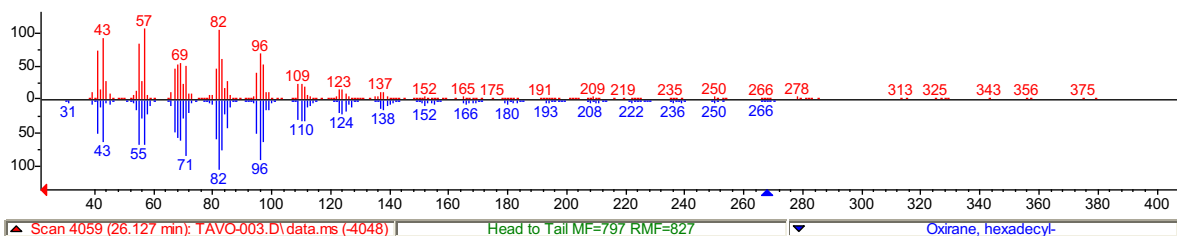
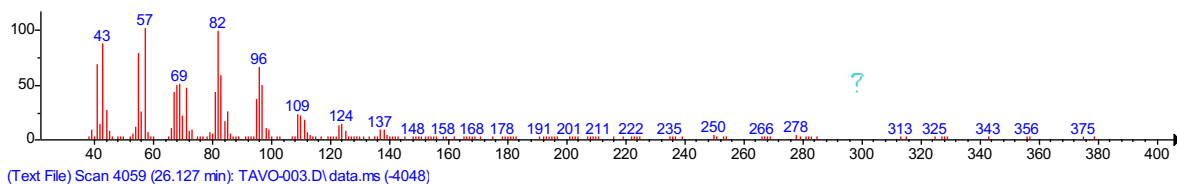
(Text File) Scan 3479 (22.407 min): TAVO-003.D\data.ms (-3451)

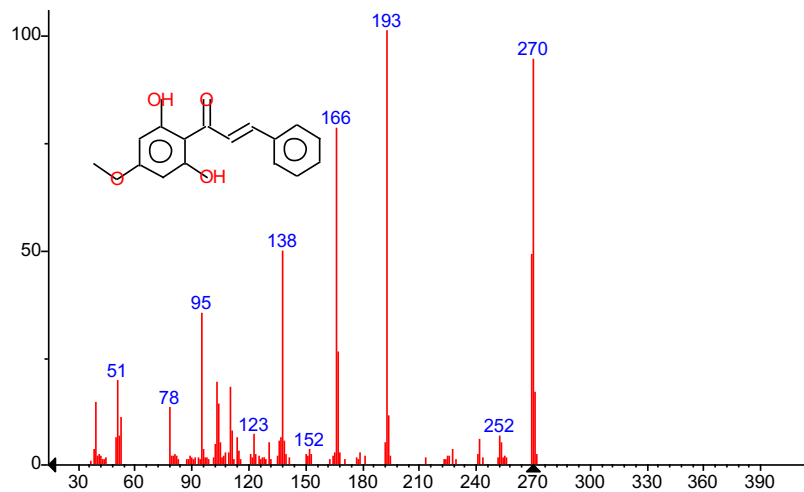


Scan 3479 (22.407 min): TAVO-003.D\data.ms (-3451) | Head to Tail MF=925 RMF=932 | Glucopyranose, 1,2,3,4,6-pentakis-O-(trimethylsilyl)-, D-

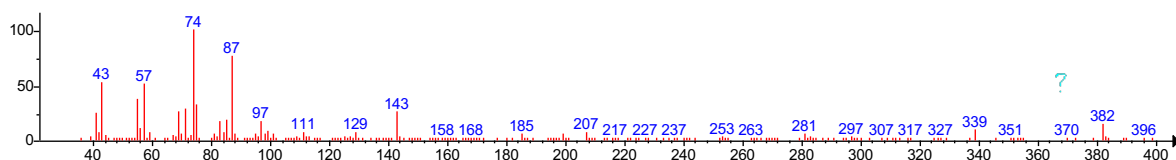


(mainlib) Glucopyranose, 1,2,3,4,6-pentakis-O-(trimethylsilyl)-, D-

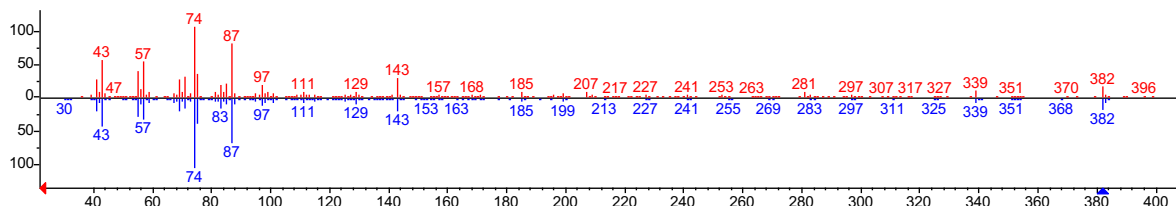




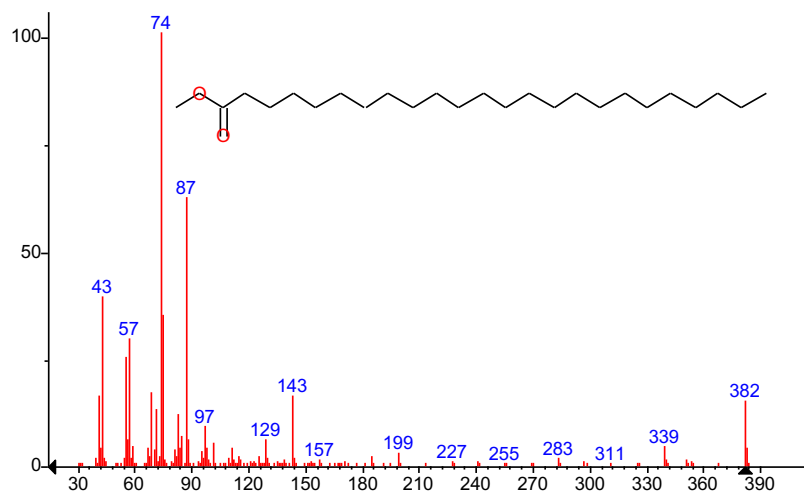
(mainlib) 2-Propen-1-one, 1-(2,6-dihydroxy-4-methoxyphenyl)-3-phenyl-, (E)-



(Text File) Scan 5299 (34.082 min): TAVO-003.D\data.ms (-5287)

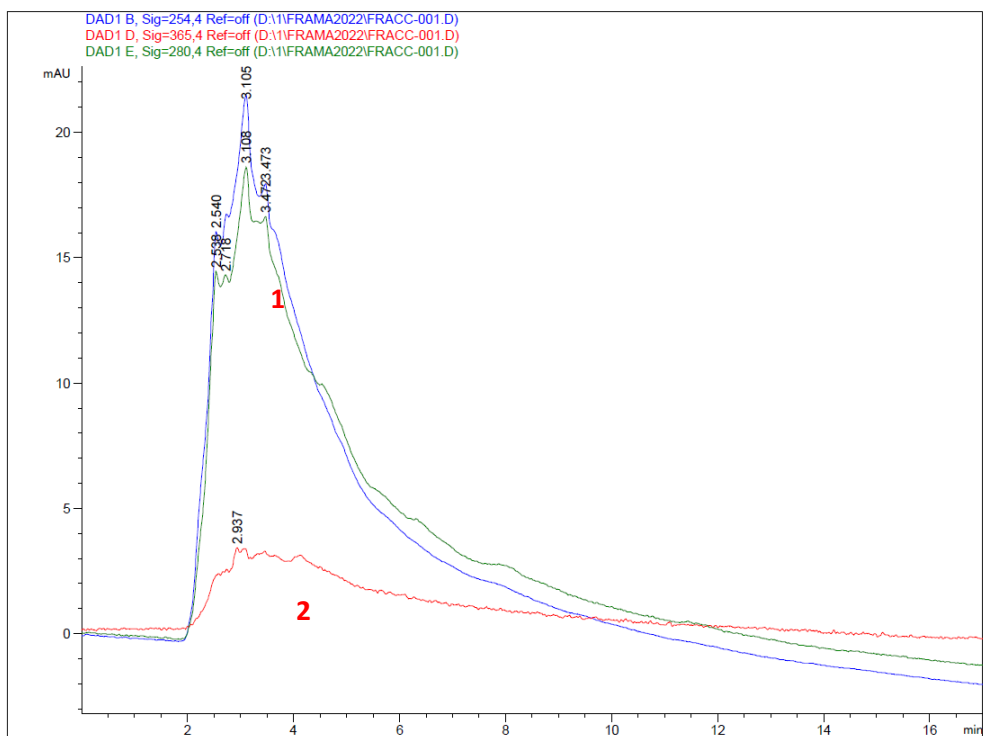


Scan 5299 (34.082 min): TAVO-003.D\data.ms (-5287) | Head to Tail MF=777 RMF=864 | Tetracosanoic acid, methyl ester

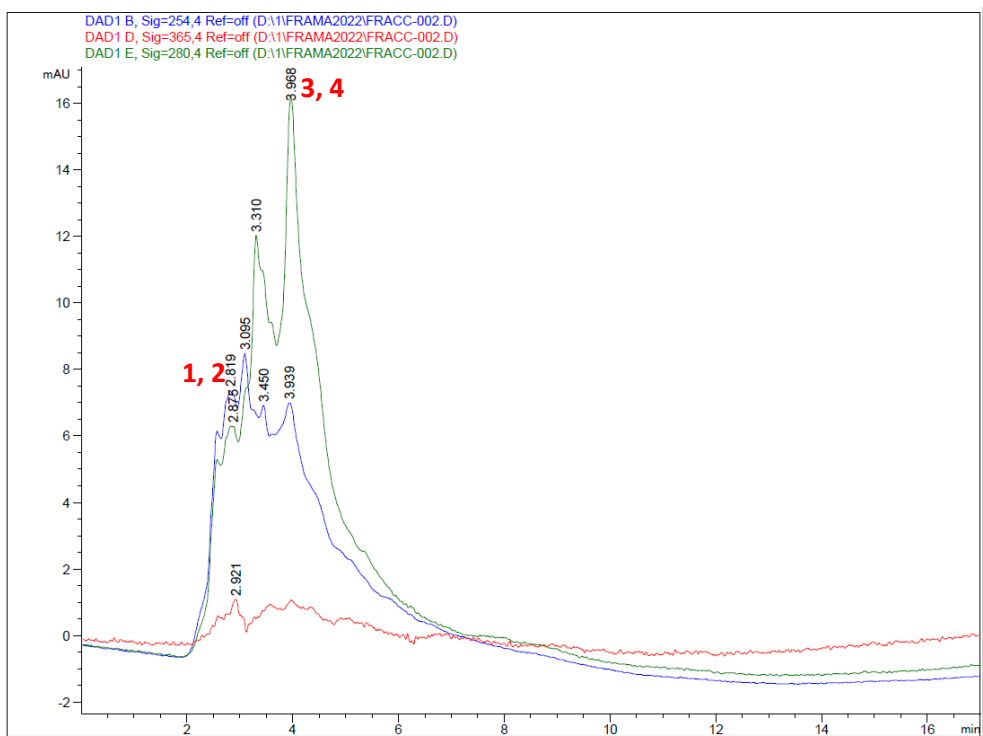


(mainlib) Tetracosanoic acid, methyl ester

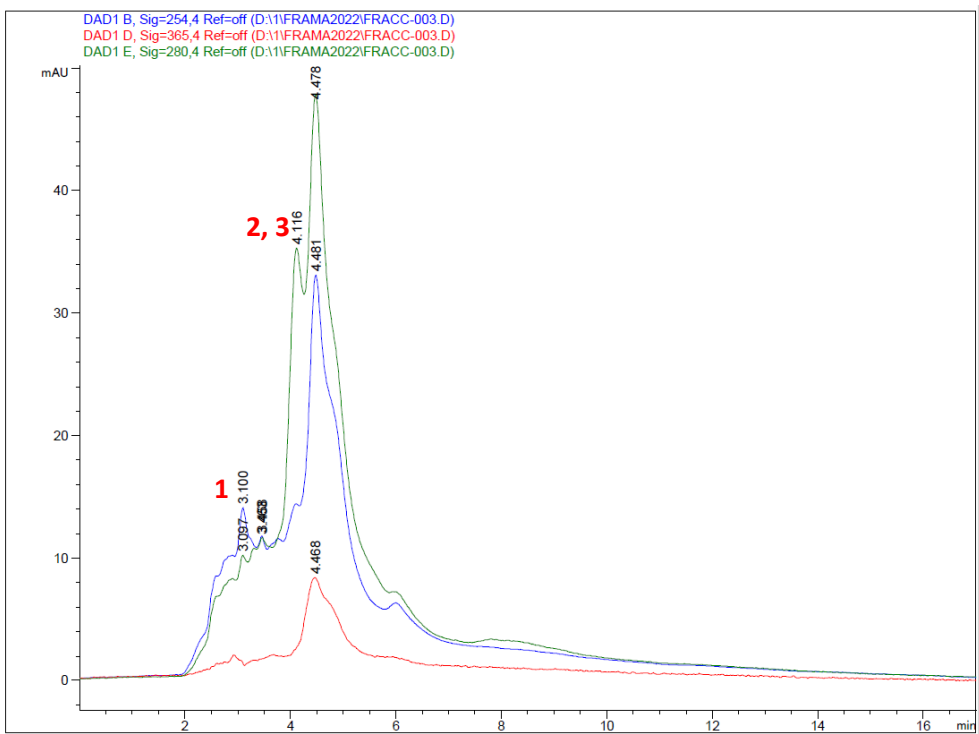
**Figure S2.** HPLC–DAD chromatograms of the fractions obtained from the EA fraction of ChEEP (a-w).



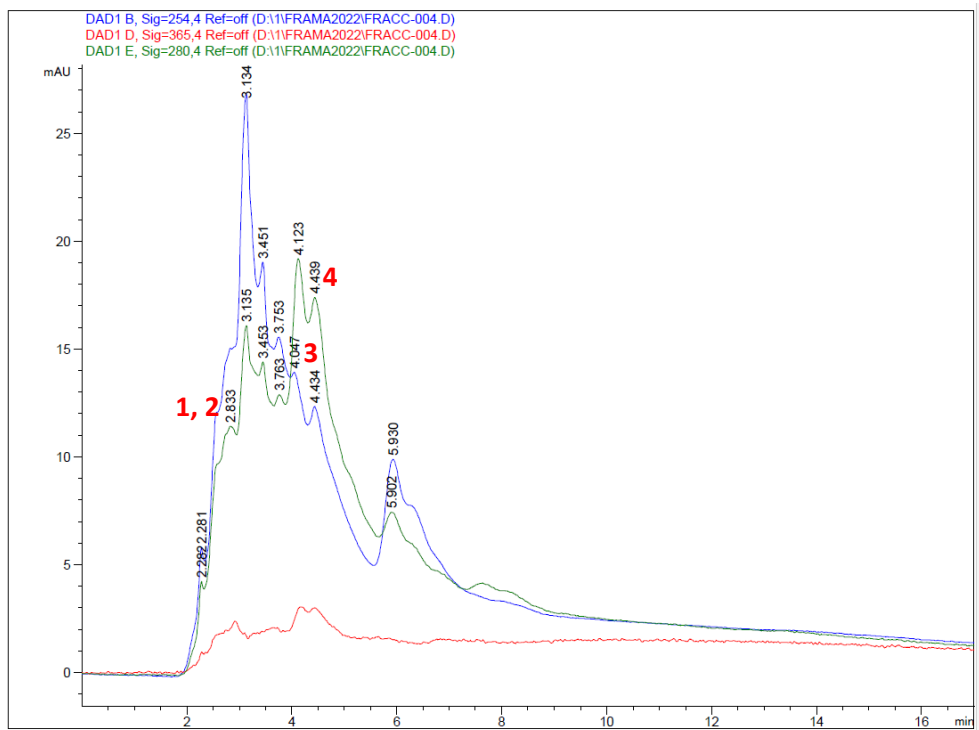
a.- Chromatogram fraction one (1.- Catechol, 2.- Catechine).



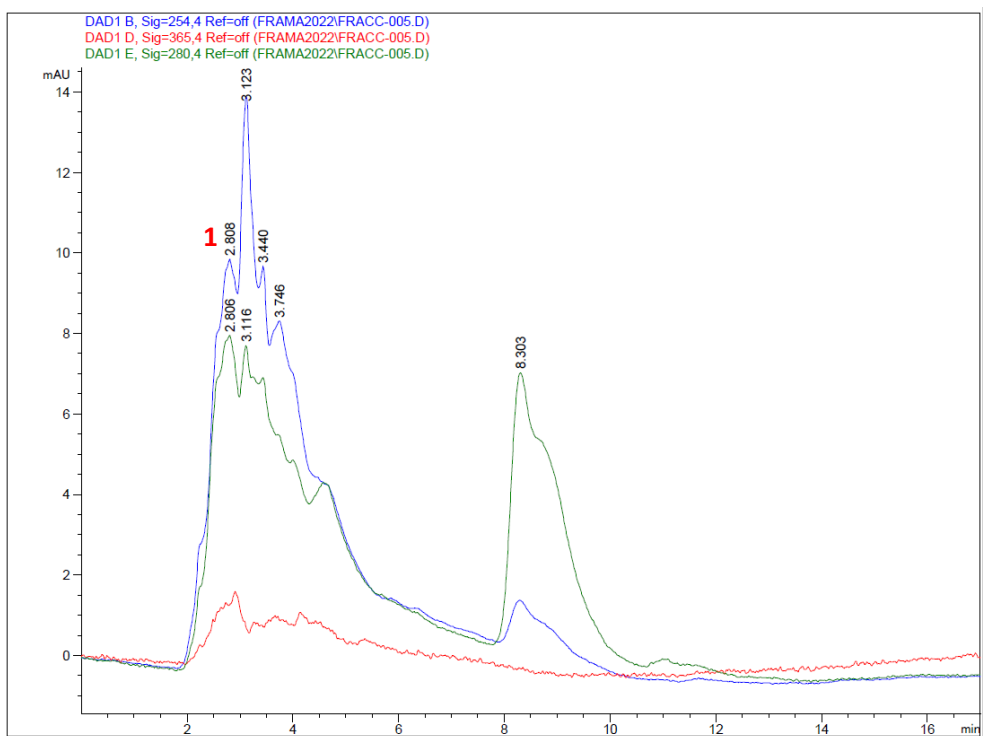
b.- Chromatogram fraction two (1.- Catechin, 2.- Catechol, 3.- Naringenin, 4.- Naringin).



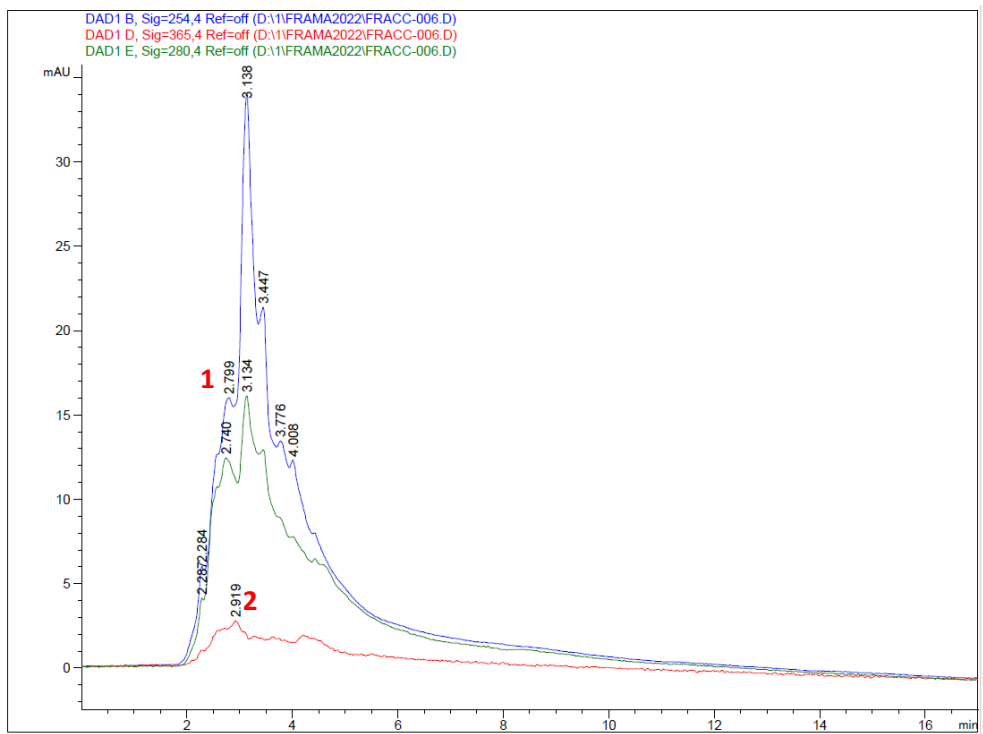
c.- Chromatogram fraction three (1.- Catechin, 2.- Naringin, 3.- Naringenin).



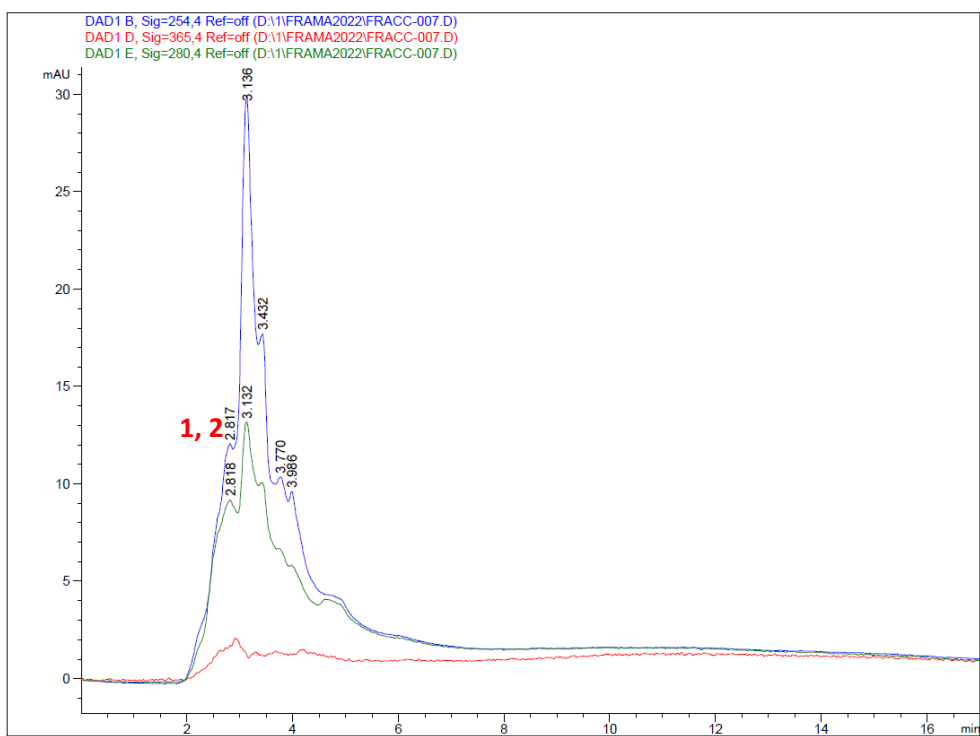
d.- Chromatogram fraction four (1.- Catechin, 2.- Catechol, 3.- Naringin, 4.- Naringenin).



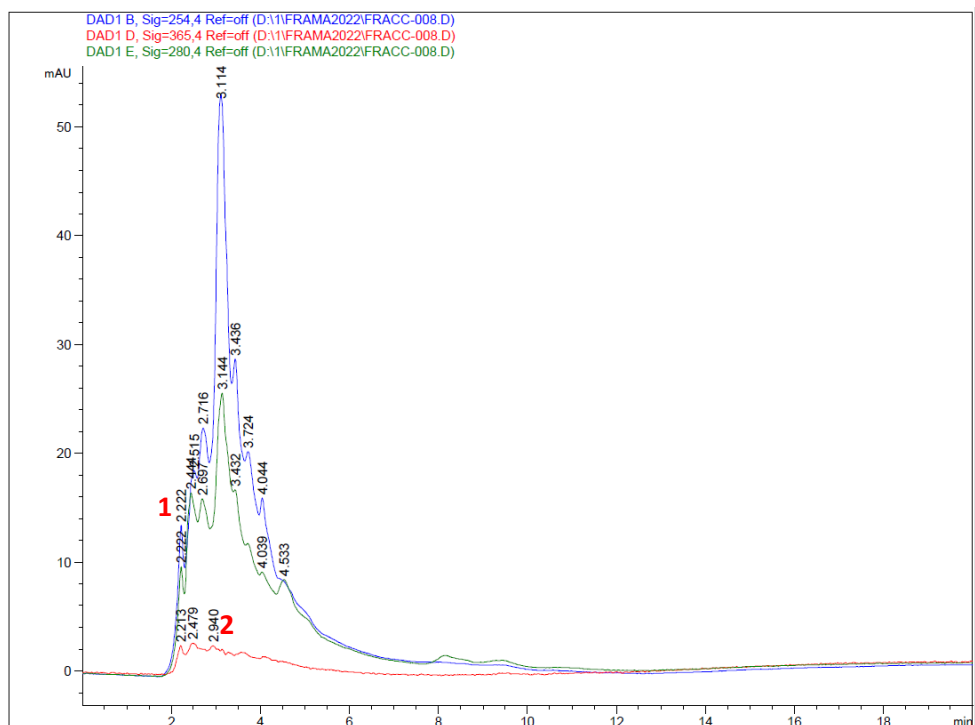
e.- Chromatogram fraction five (1.- Catechin).



f.- Chromatogram fraction six (1.- Catechin, 2.- Catechol).

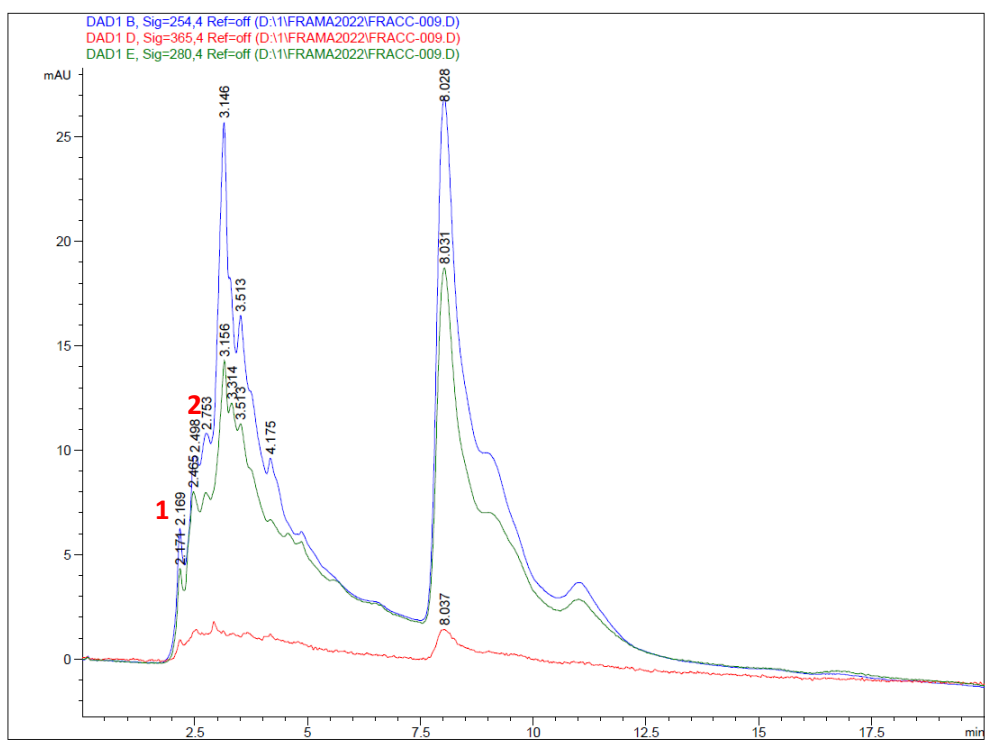


g.- Chromatogram fraction seven (1.- Catechin, 2.- Catechol).

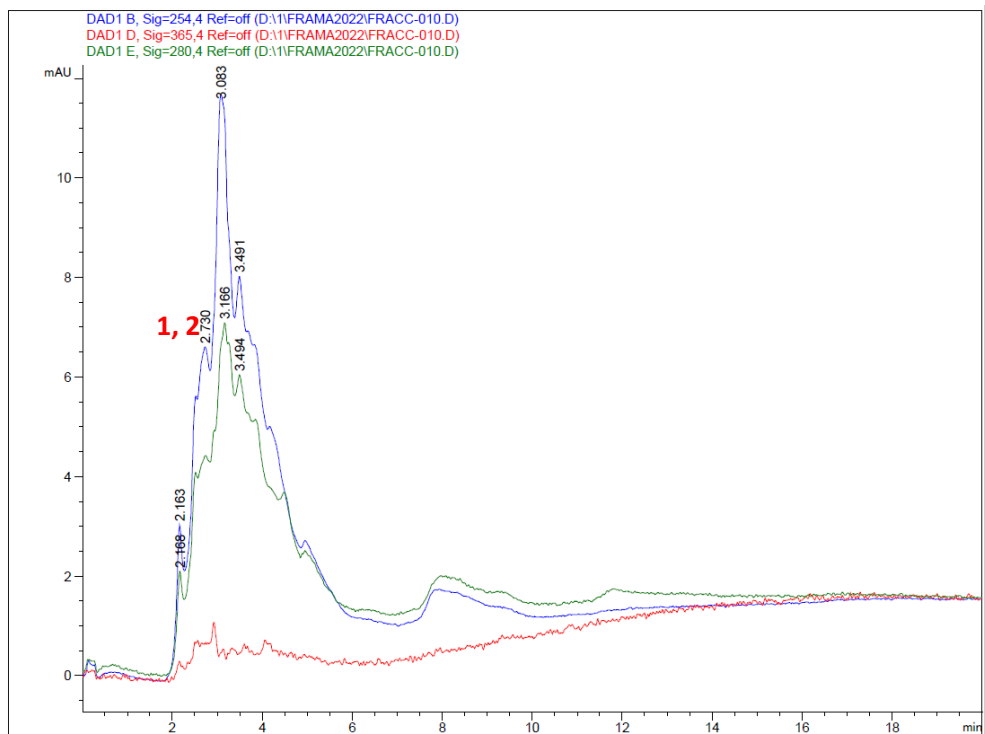


h.- Chromatogram fraction eight (1.- Catechin, 2.- Catechol).

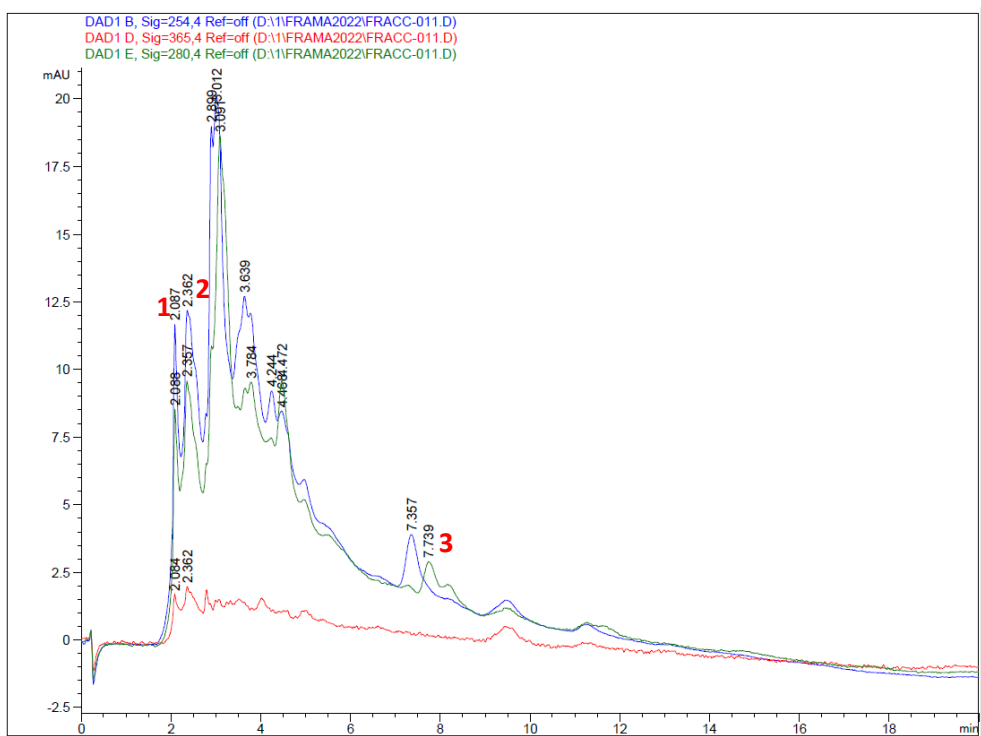




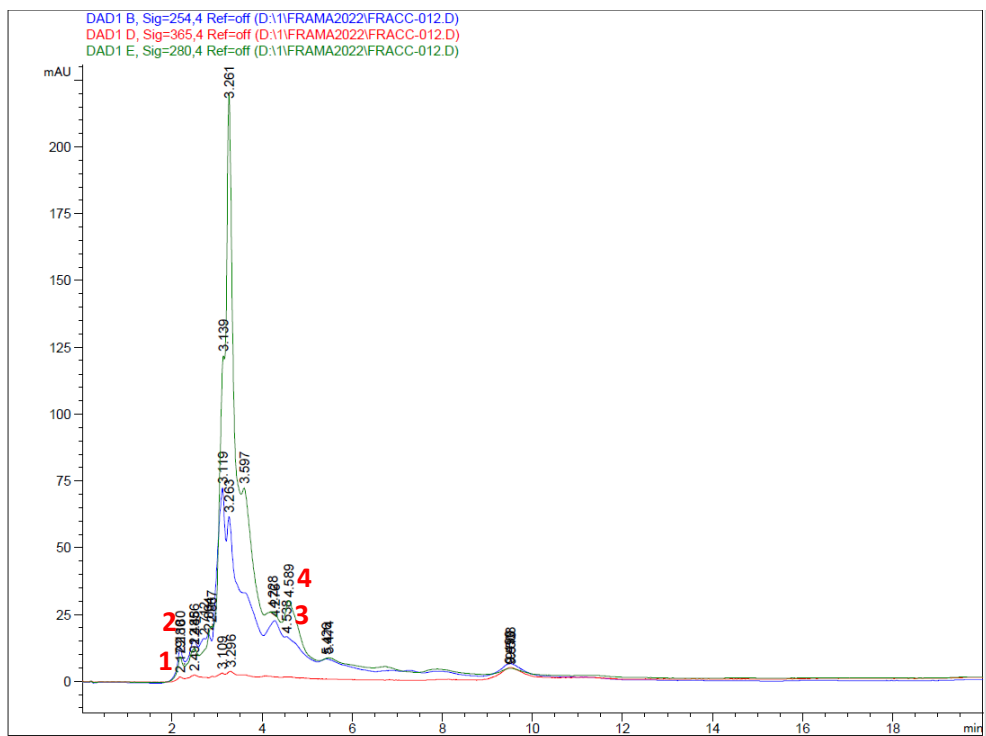
i.- Chromatogram fraction nine (1.- Catechin, 2.- Catechol).



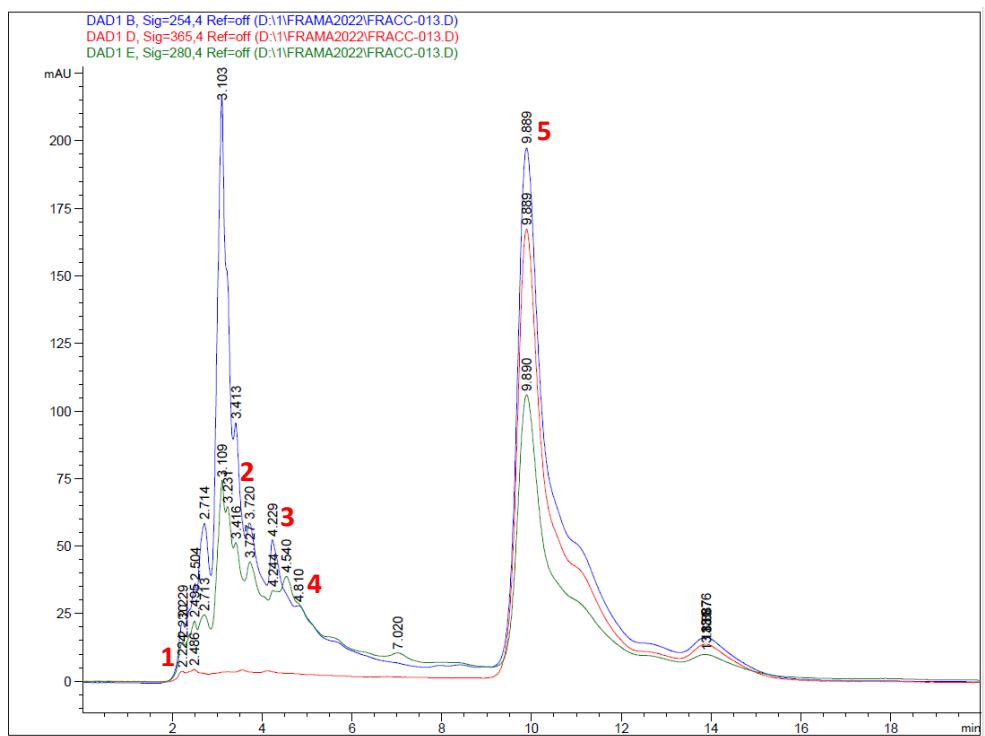
j.- Chromatogram fraction ten (1.- Catechin, 2.- Catechol).



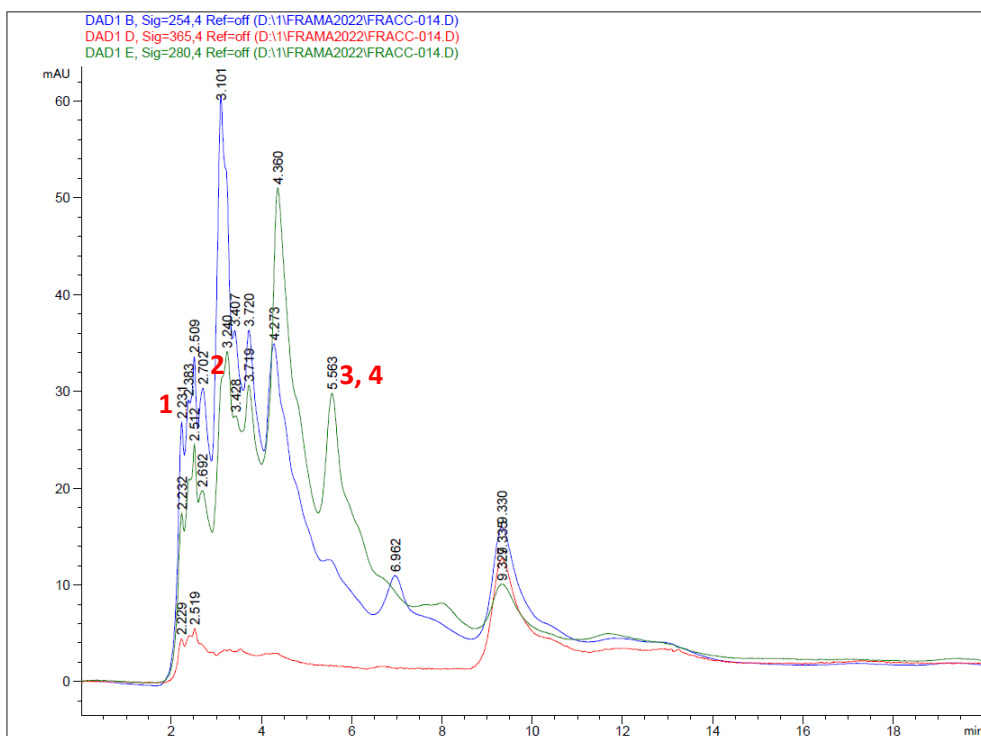
k.- Chromatogram fraction eleven (1.- Catechin, 2.- Catechol, 3.- Naringenin).



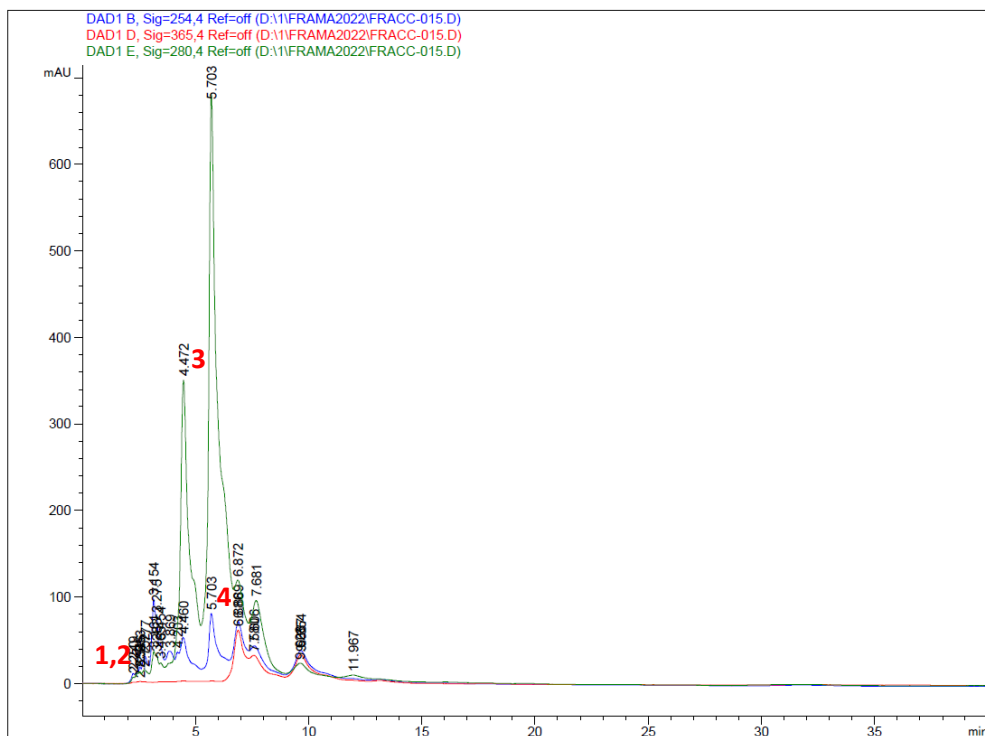
l.- Chromatogram fraction twelve (1.- Catechin, 2.- Catechol, 3.- Naringenin, 4.- Naringin).



m.- Chromatogram fraction thirteen (1.- Catechin, 2.- Genistein, 3.- Naringin, 4.- Naringenin, 5.- Luteolin).



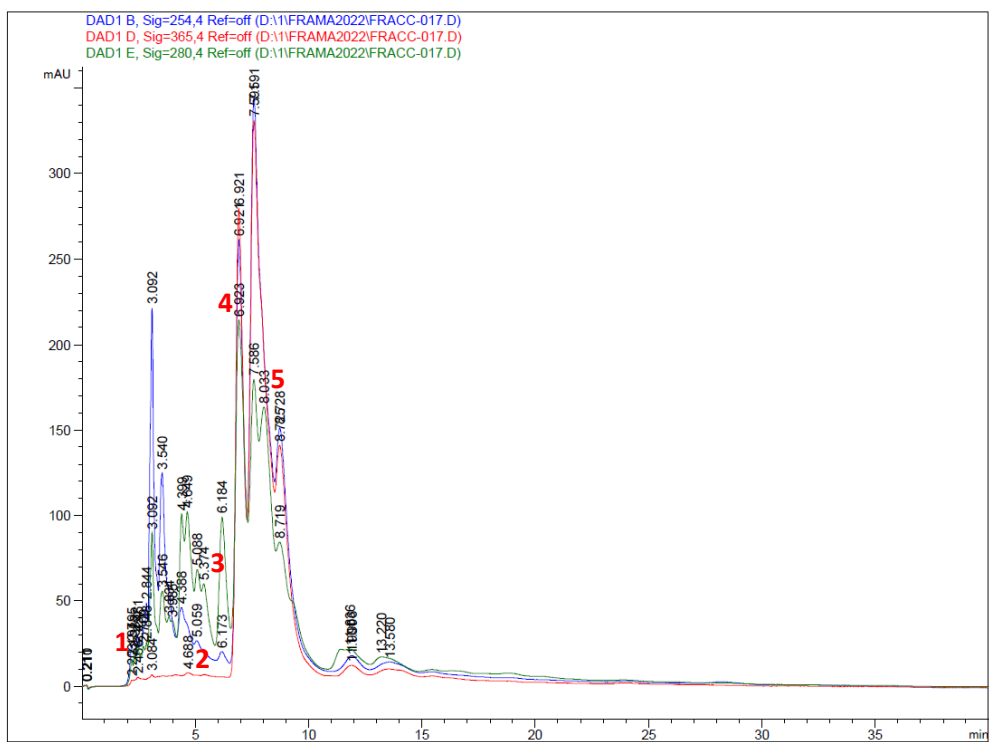
n.- Chromatogram fraction fourteen (1.- Catechin, 2.- Catechol, 3.- Naringin, 4.- Naringenin).



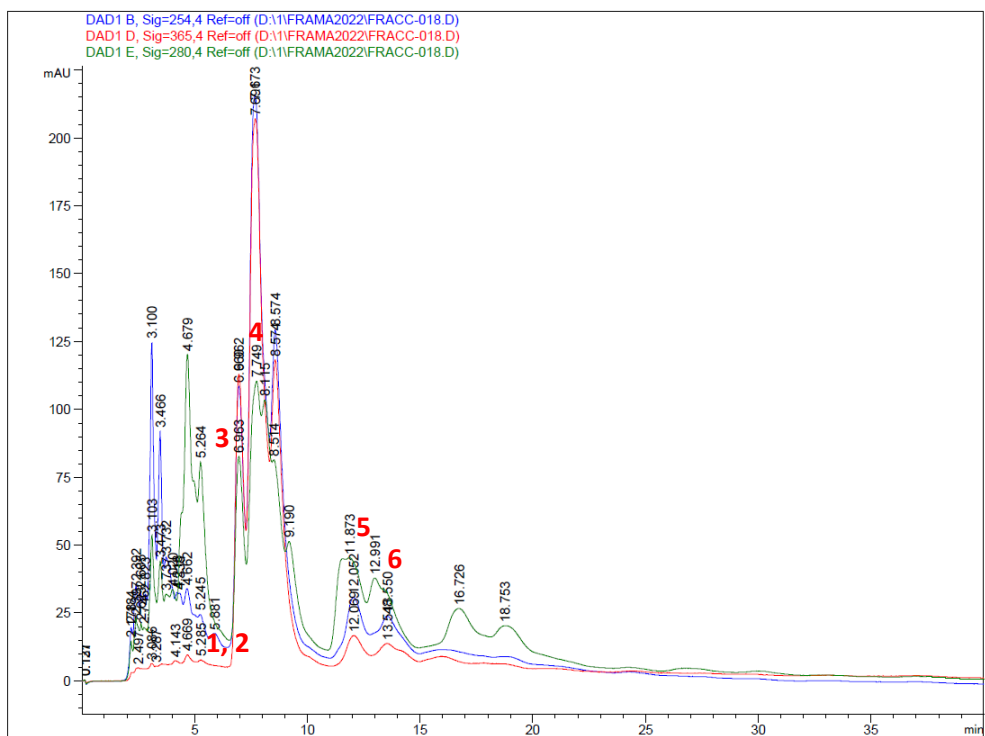
o.- Chromatogram fraction fifteen (1.- Catechin, 2.- Catechol, 3.- Naringin, 4.- Naringenin).



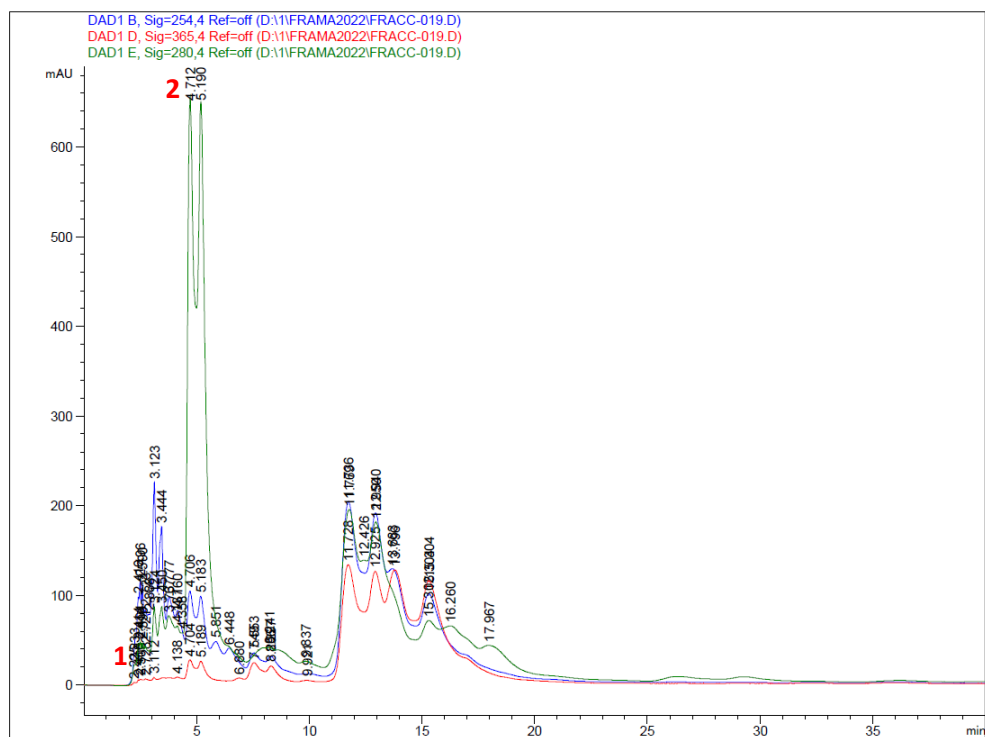
•



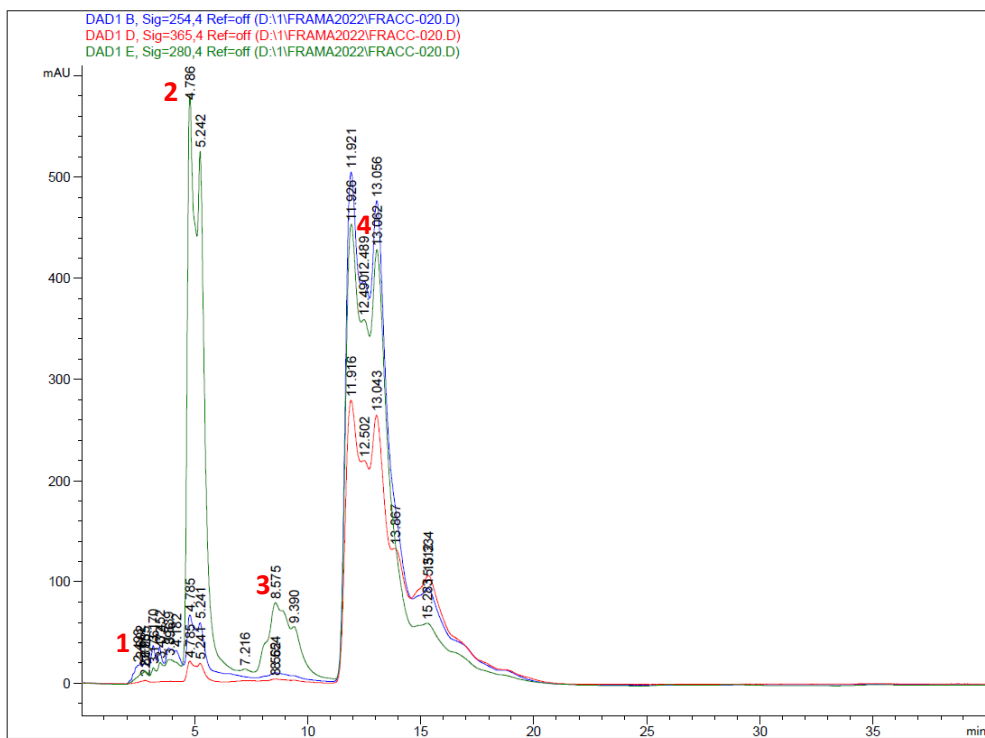
q.- Chromatogram fraction seventeen (1.- Catechin, 2.- Naringin, 3.- Naringenin, 4.- Apigenin, 5.- Luteolin.)



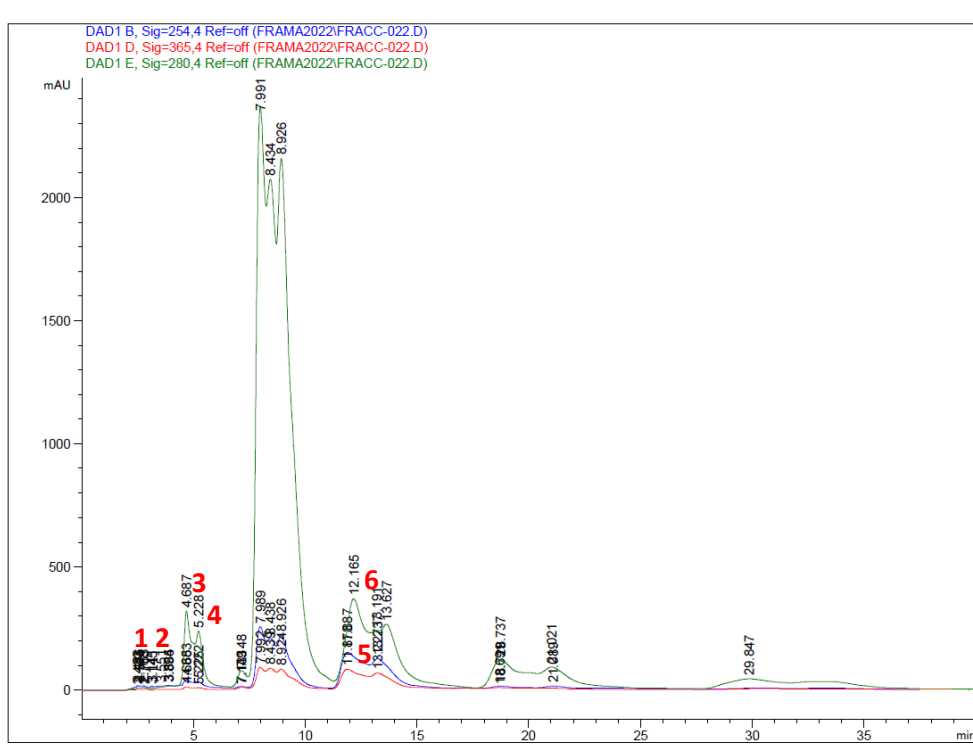
r.- Chromatogram fraction eighteen(1.- Naringin, 2.- Naringenin, 3.- Apigenin, 4.- Luteolin, 5.- Pinocembrin, 6.- Chrysin).



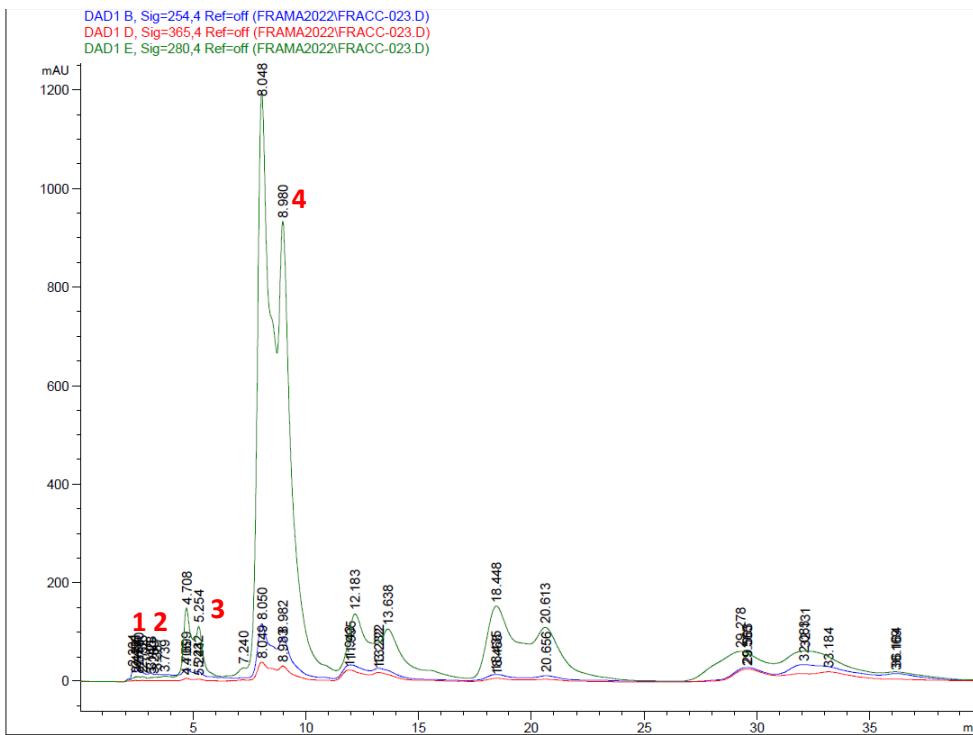
s.- Chromatogram fraction nineteen (1.- Catechin, 2.- Naringenin).





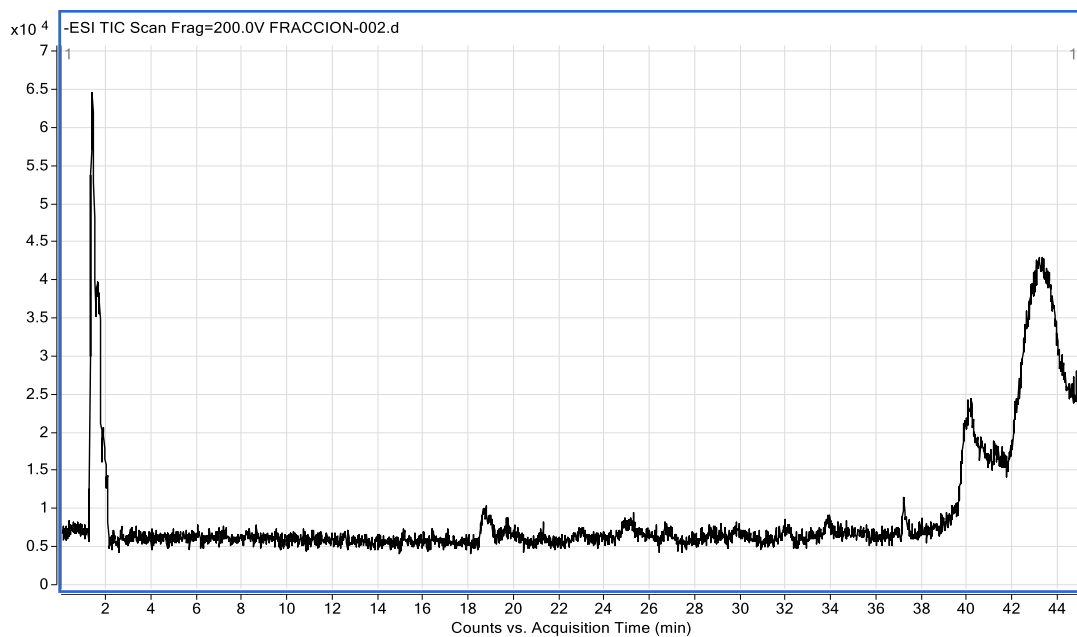


v.- Chromatogram fraction twenty-two (1.- Catechin, 2.- Catechol, 3.-Naringin, 4.- Naringenin, 5.- Baicalein, 6.- Chrysin).

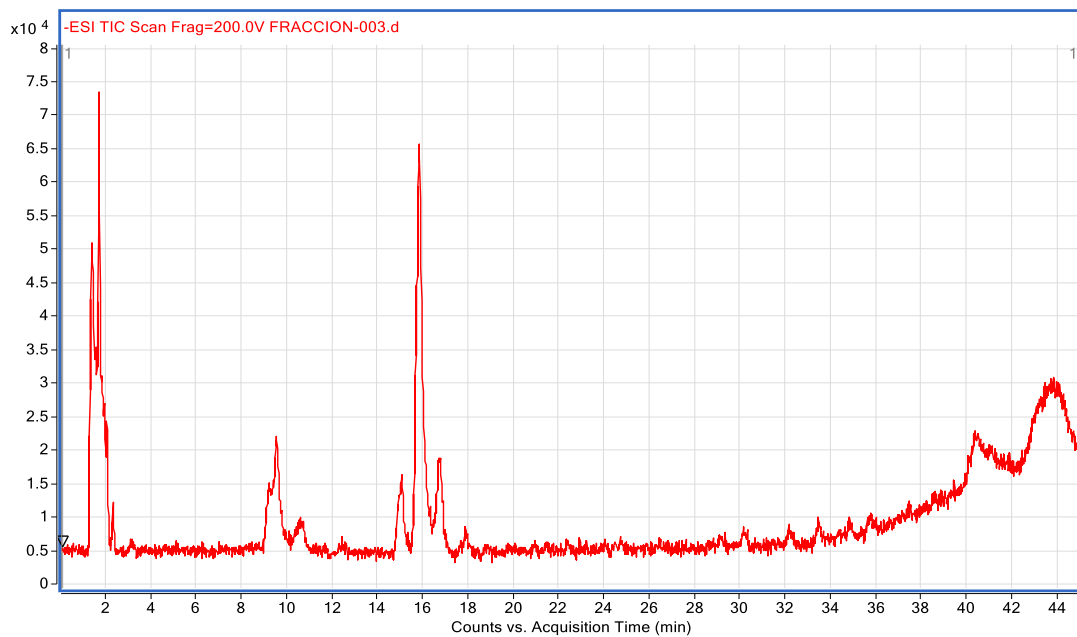


w.- Chromatogram fraction twenty-three (1.- Catechin, 2.- Catechol, 3.- Naringin, 4.- Naringenin).

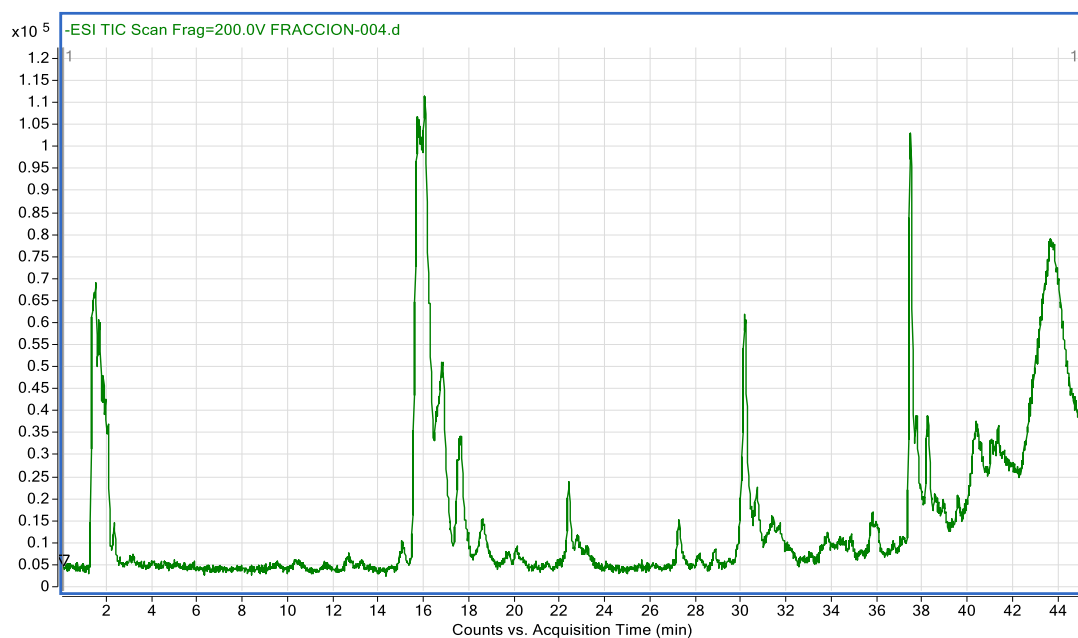
**Figure S3.** HPLC–MS chromatograms of the fractions obtained from the EA fraction of ChEEP (a-w).



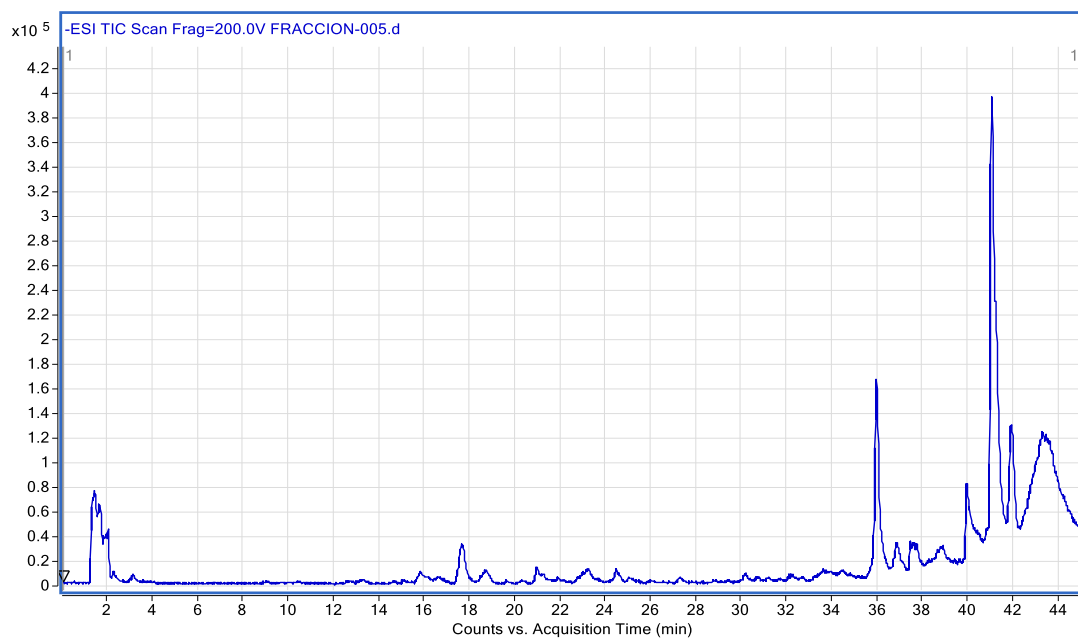
a.- Chromatogram fraction one (Not compounds detected).



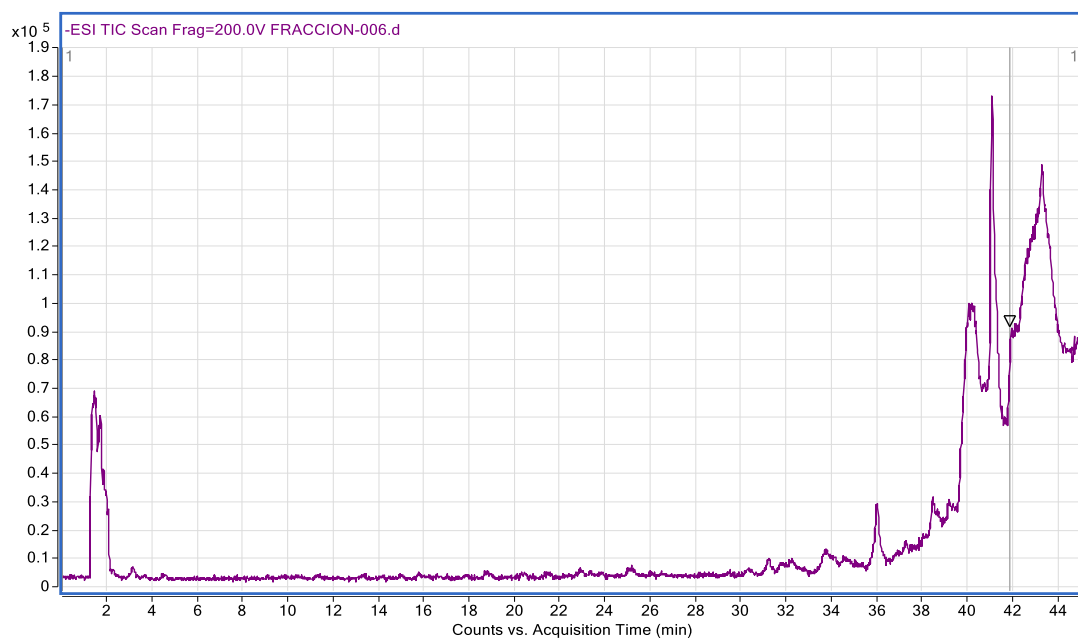
b.- Chromatogram fraction two (Not compounds detected).



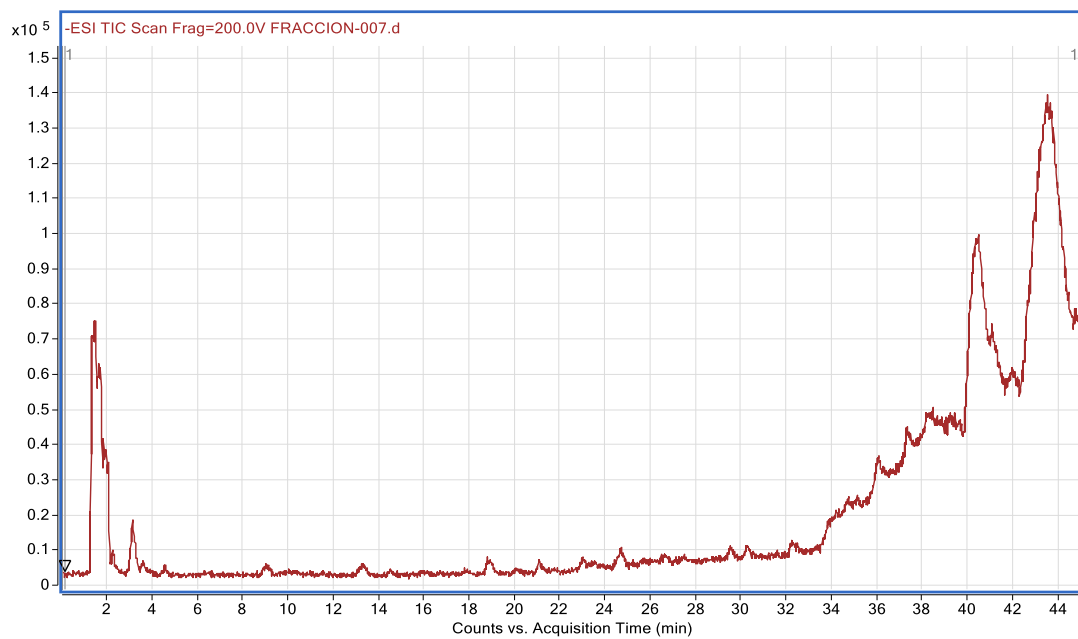
c.- Chromatogram fraction three (Not compounds detected).



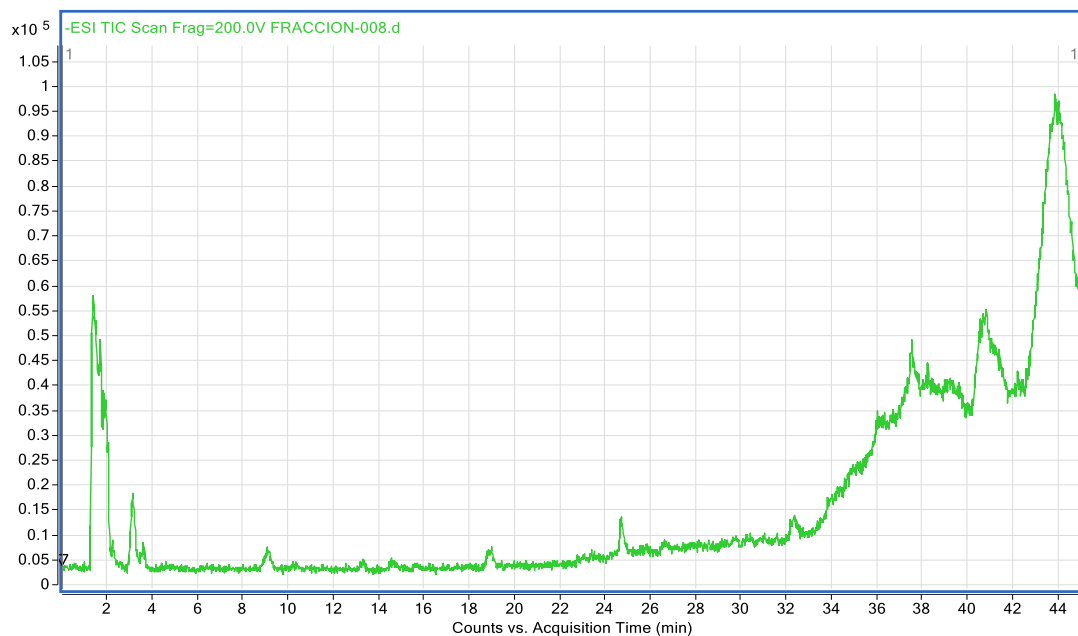
d.- Chromatogram fraction four (Not compounds detected).



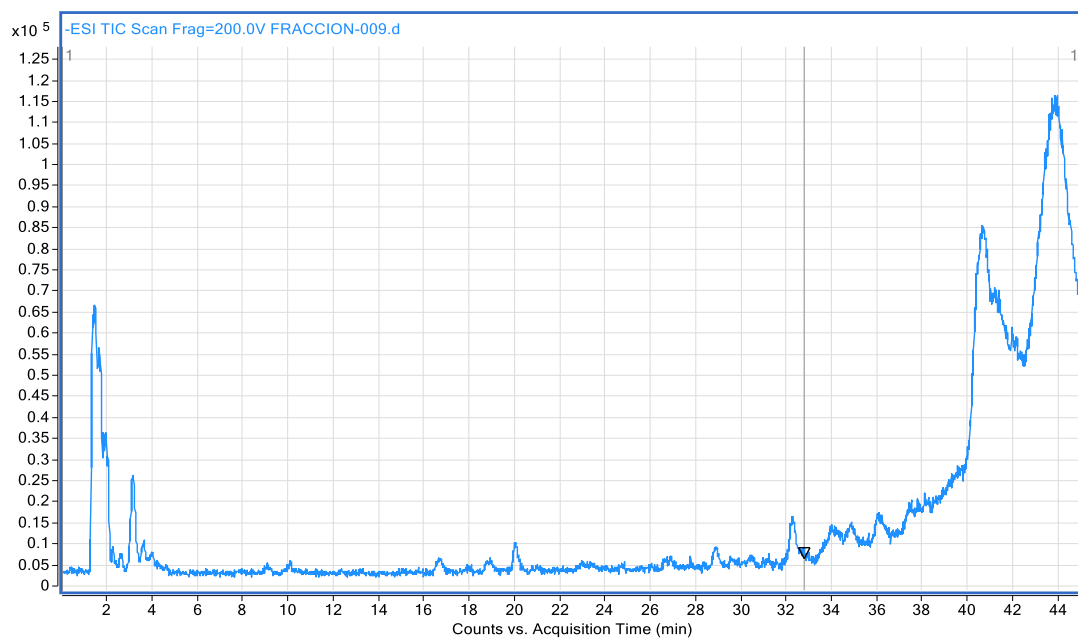
e.- Chromatogram fraction five (Not compounds detected).



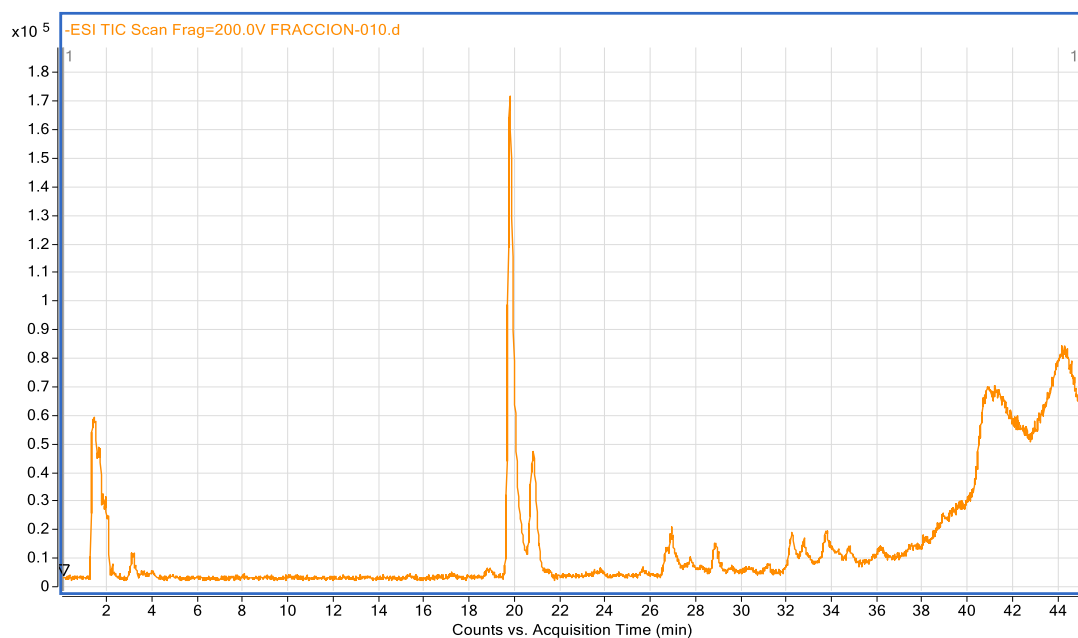
f.- Chromatogram fraction six (Not compounds detected).



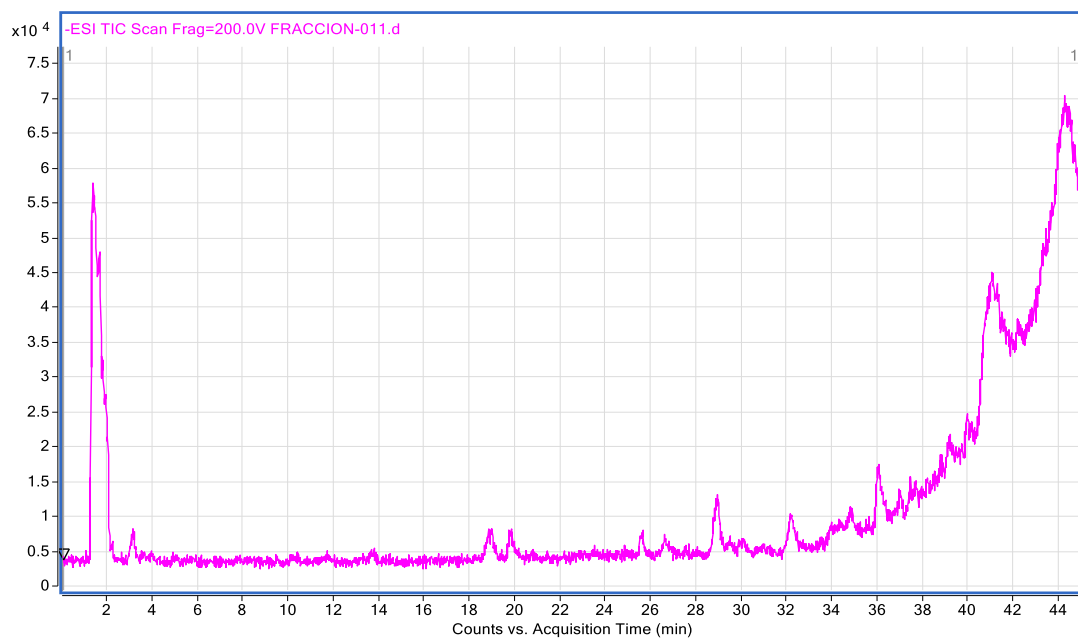
g.- Chromatogram fraction seven (Not compounds detected).



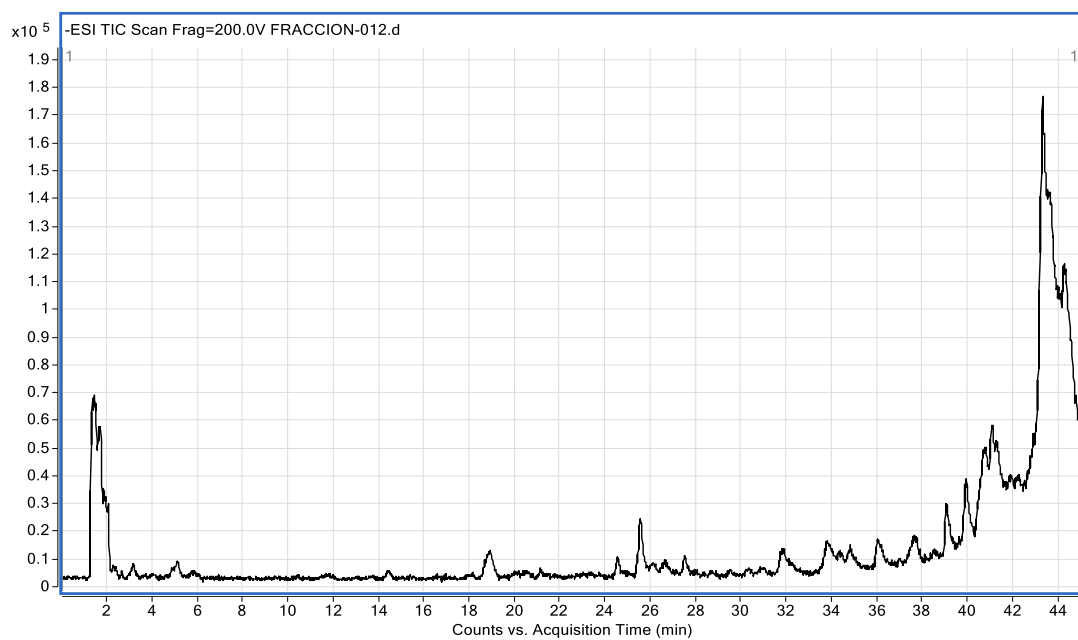
h.- Chromatogram fraction eight (Not compounds detected).



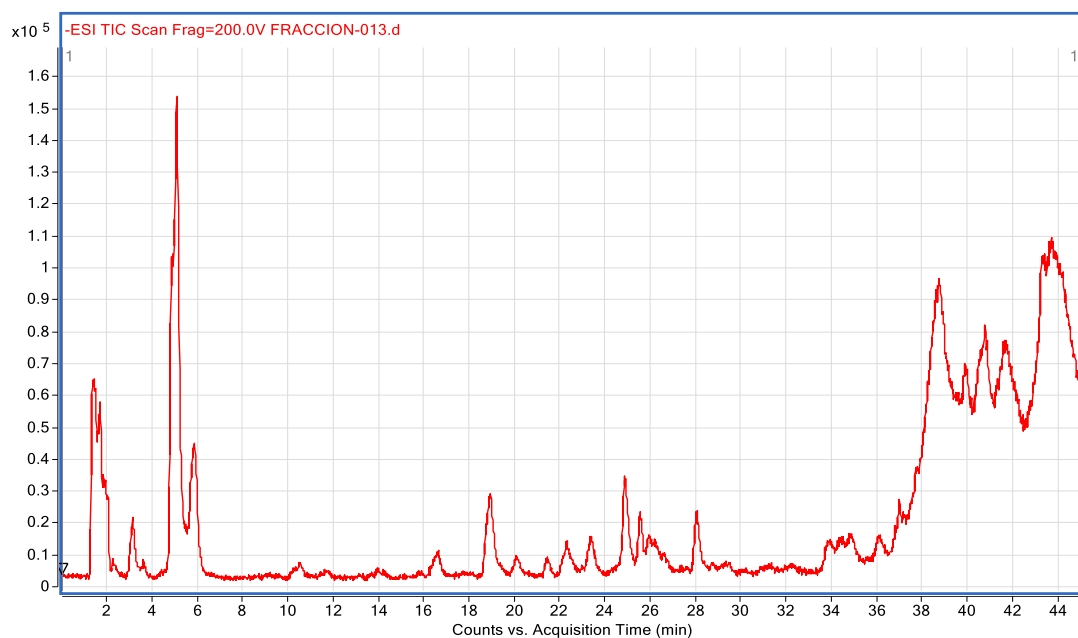
i.- Chromatogram fraction nine (Not compounds detected).



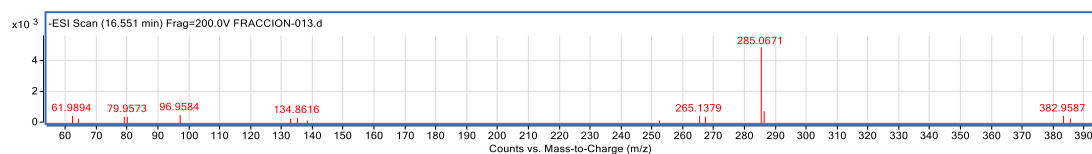
j.- Chromatogram fraction ten (Not compounds detected).



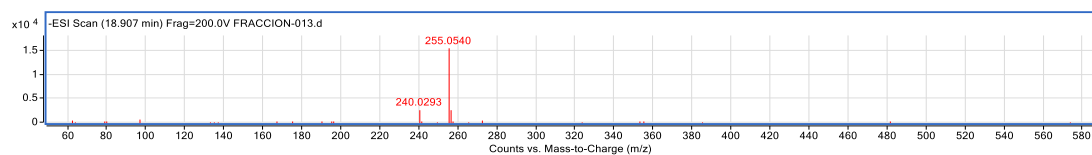
k.- Chromatogram fraction eleven (Not compounds detected).



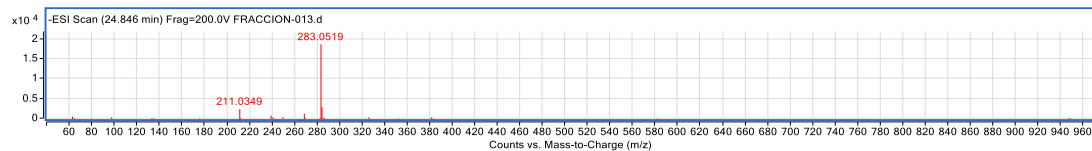
I.- Chromatogram fraction twelve (1. Kaemferol, 2. Pinocembrin, 3. Acacetin).



Kaemferol. Error ppm -2.94

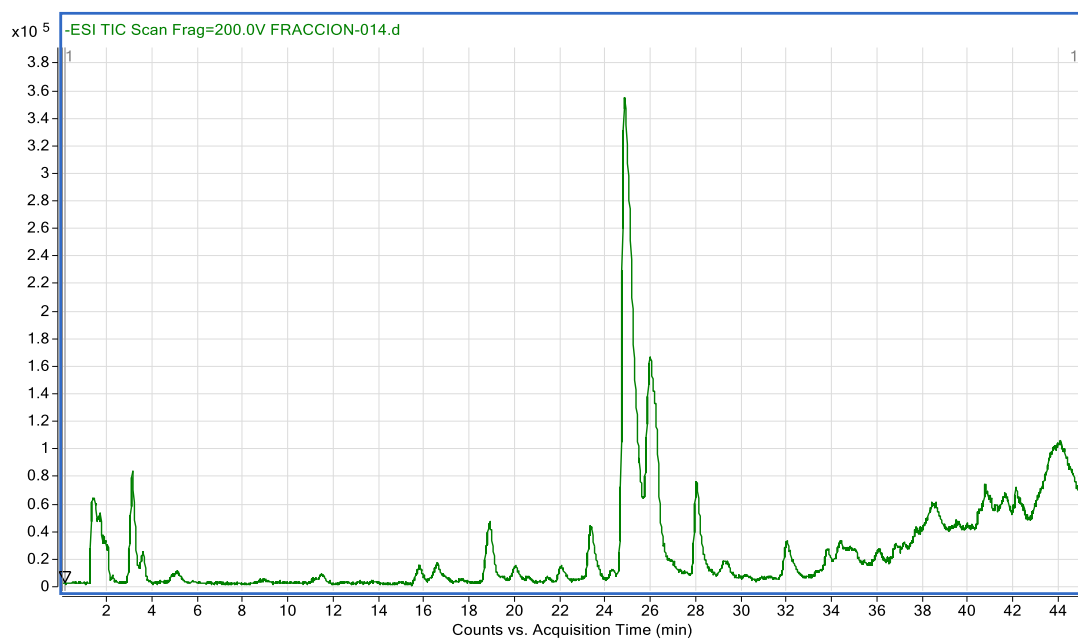


Pinocembrin. Error ppm -11.39

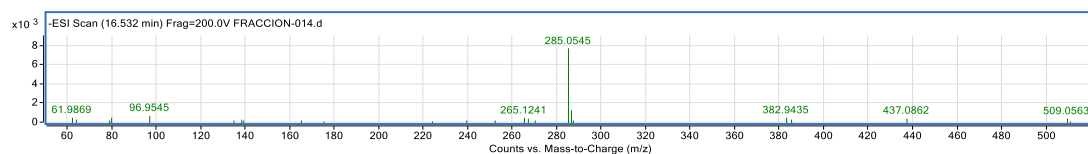


Acacetin. Error ppm -1.79

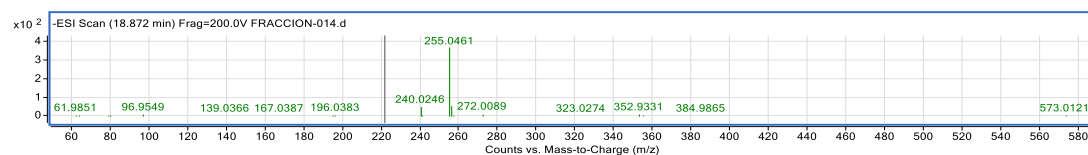




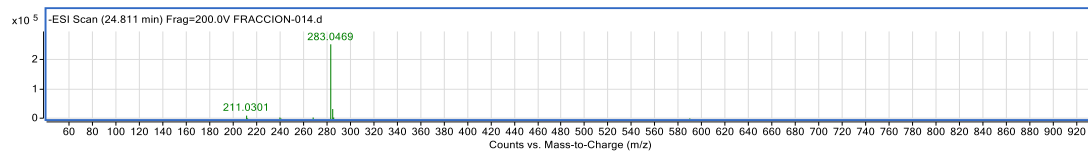
m.- Chromatogram fraction thirteen (1. Kaemferol, 2. Pinocembrin, 3. Acacetin).



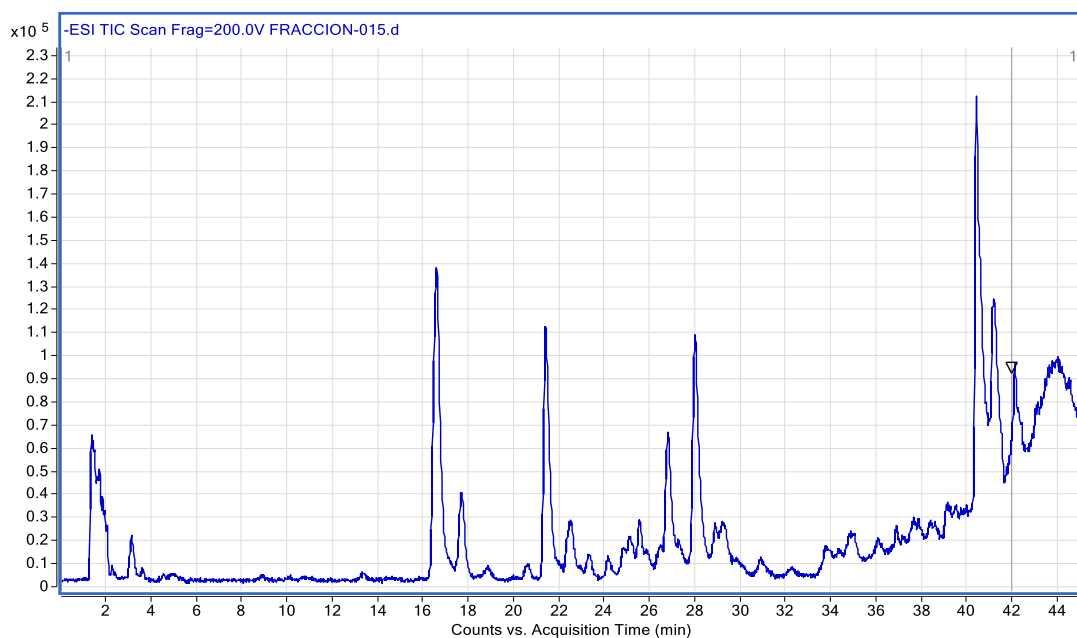
Kaemferol. Error ppm 3.68



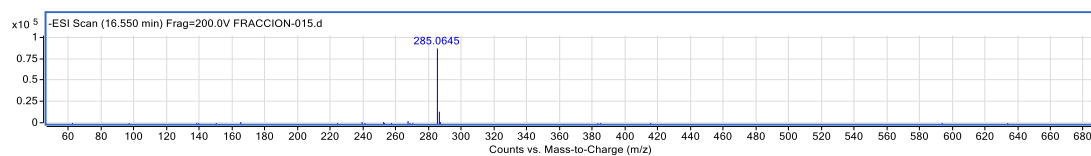
Pinocembrin. Error ppm -2.96



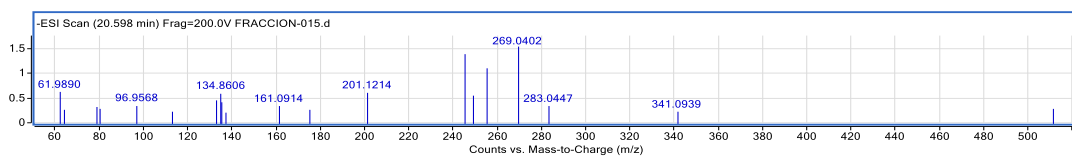
Acacetin. Error ppm -3.26



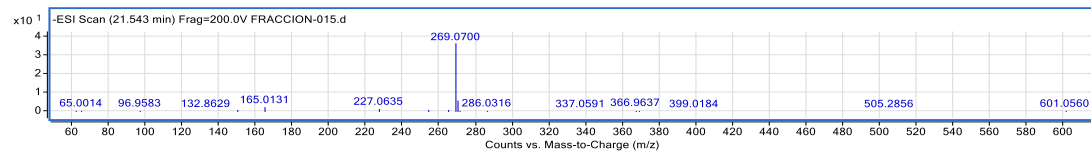
n.- Chromatogram fraction fourteen (1. Kaemferol, 2. Genistein, 3. Apigenin, 4. Baicalein).



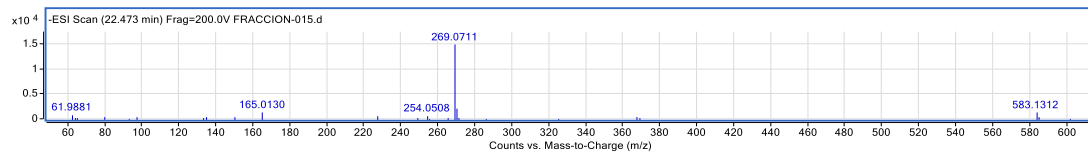
Kaemferol. Error ppm -9.81



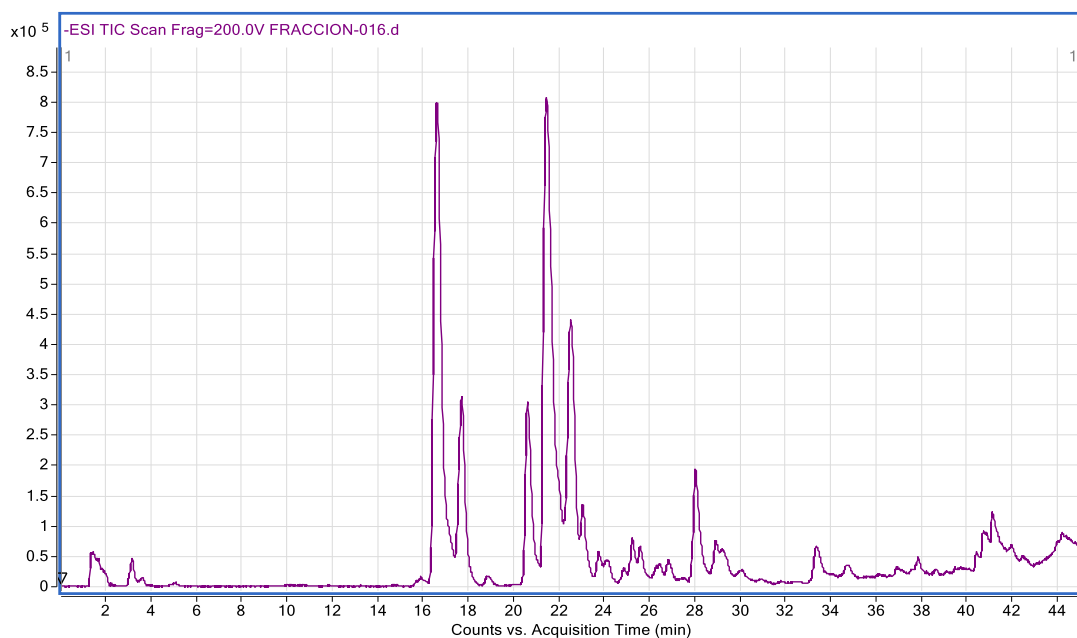
Genistein. Error ppm 4.98



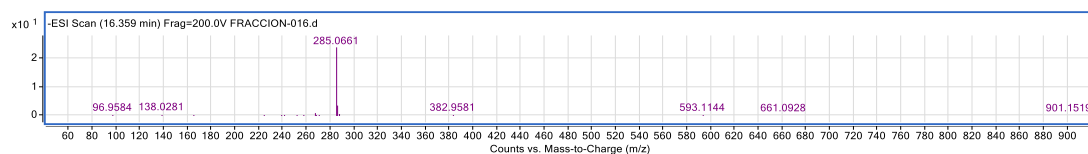
Apigenin. Error ppm -11.81



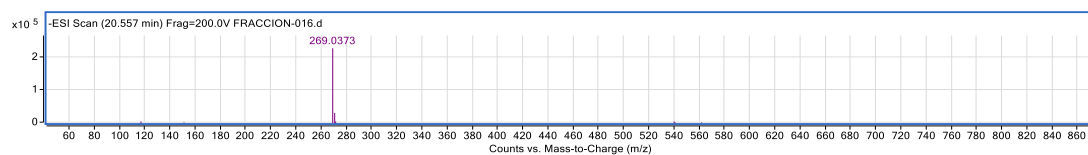
Baicalein. Error ppm 2.94



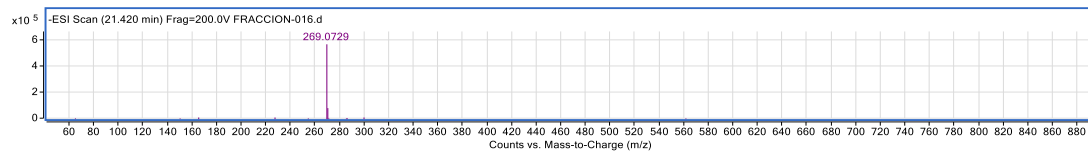
o.- Chromatogram fraction fifteen (1. Kaemferol, 2. Genistein, 3. Apigenin, 4. Baicalein).



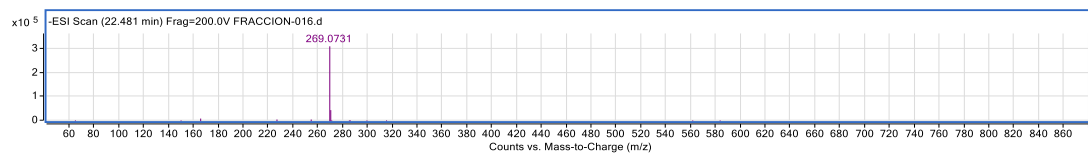
Kaemferol. Error ppm 3.38



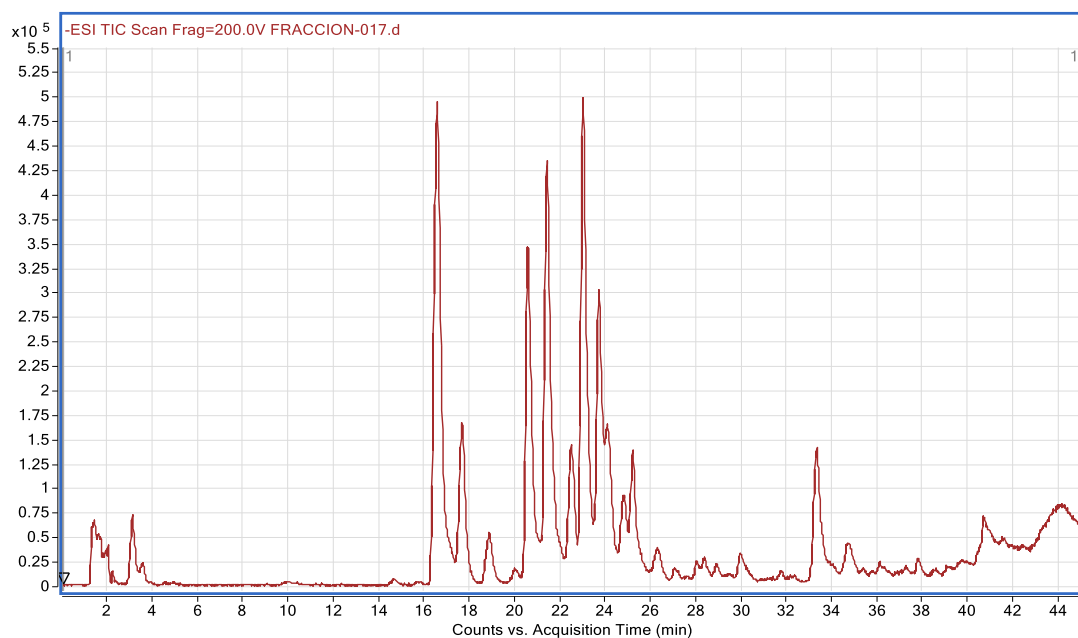
Genistein. Error ppm -6



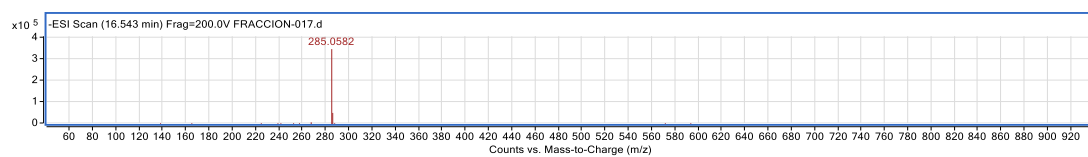
Apigenin. Error ppm -3.05



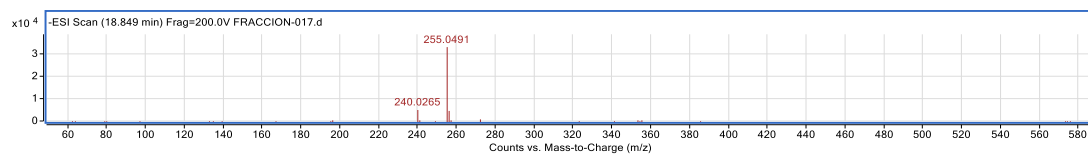
Baicalein. Error ppm -1.57



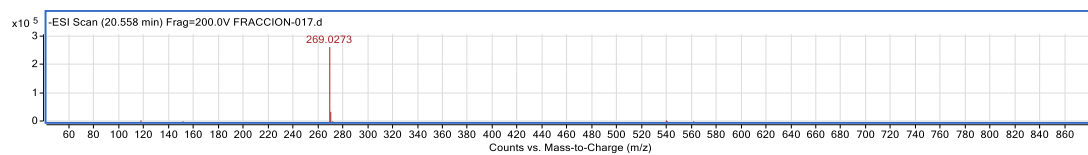
p.- Chromatogram fraction sixteen (1. Kaemferol, 2. Pinocembrin, 3. Genistein, 4. Apigenin, 5. Baicalein).



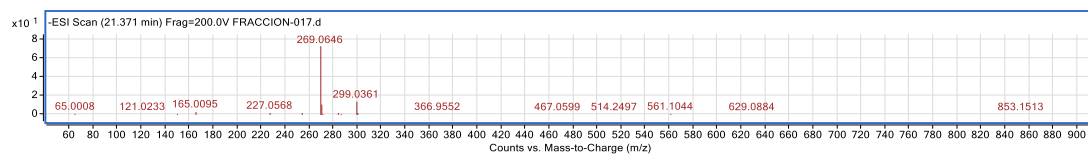
Kaemferol. Error ppm -8.16



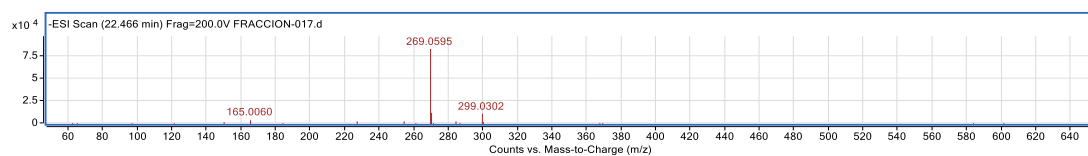
Pinocembrin. Error ppm 7.68



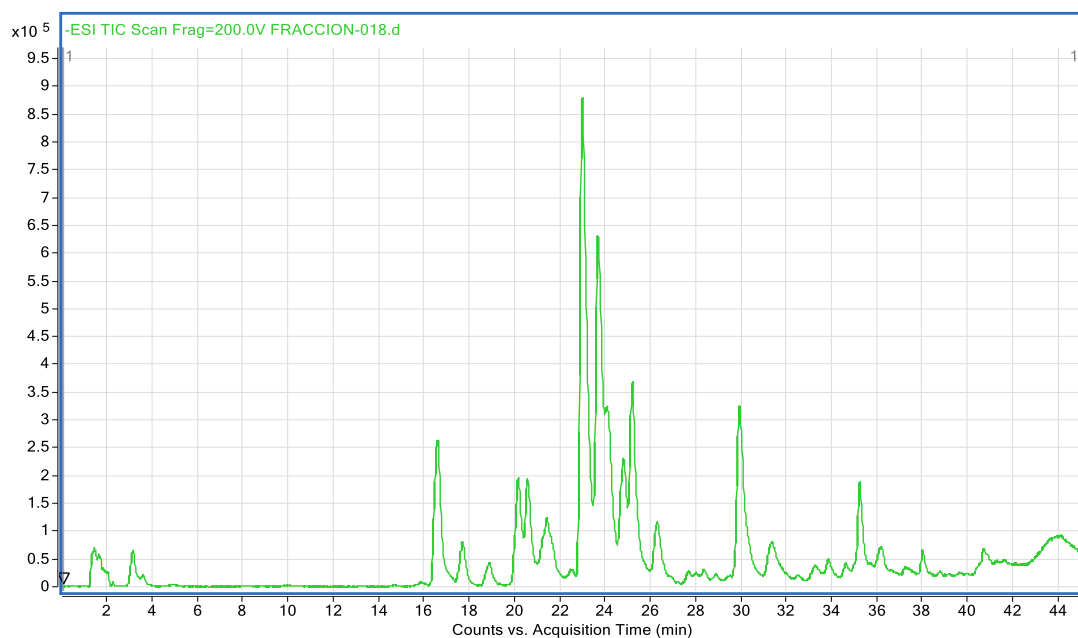
Genistein. Error ppm 11.39



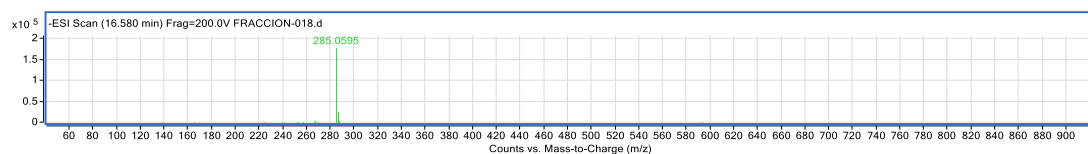
Apigenin Error ppm 12.67



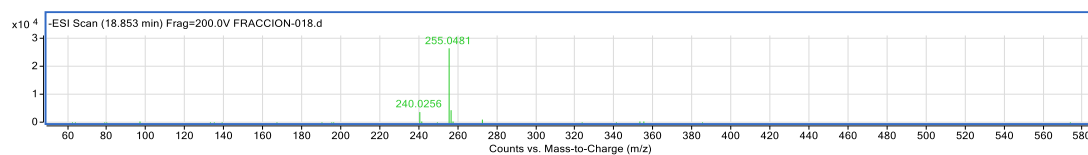
Baicalein. Error ppm -9.98



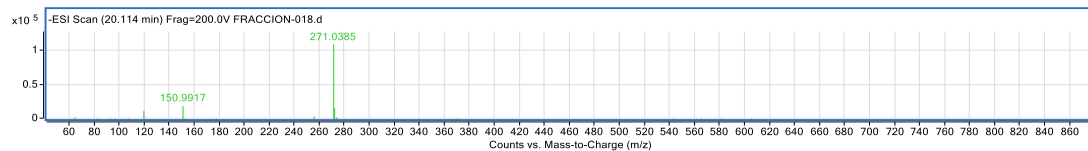
q.- Chromatogram fraction seventeen (1. Kaemferol, 2. Pinocembrin, 3. Naringenin).



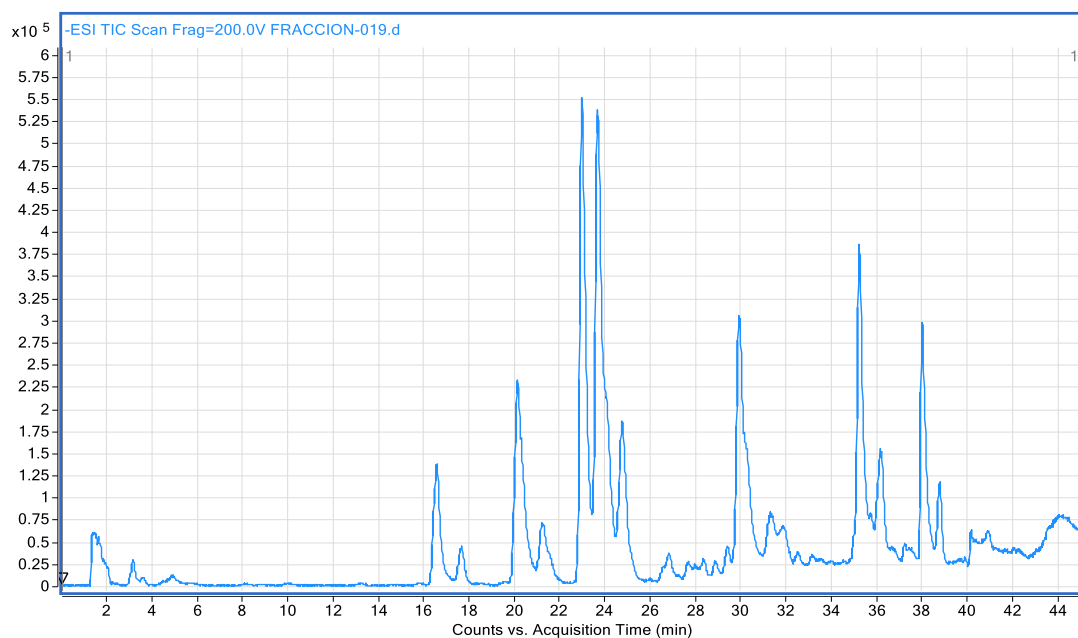
Kaemferol. Error ppm -6.41



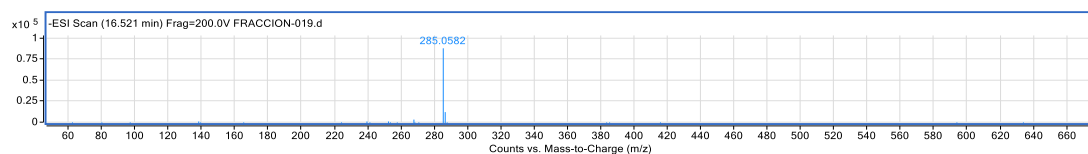
Pinocembrin. Error ppm 9.37



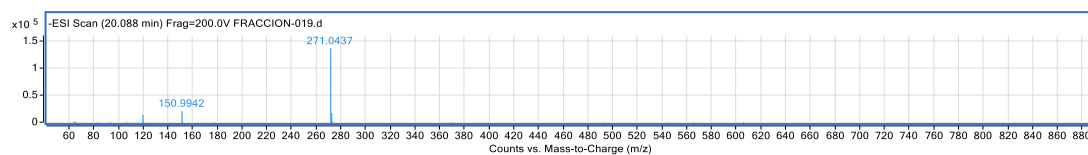
Naringenin. Error ppm 6.34



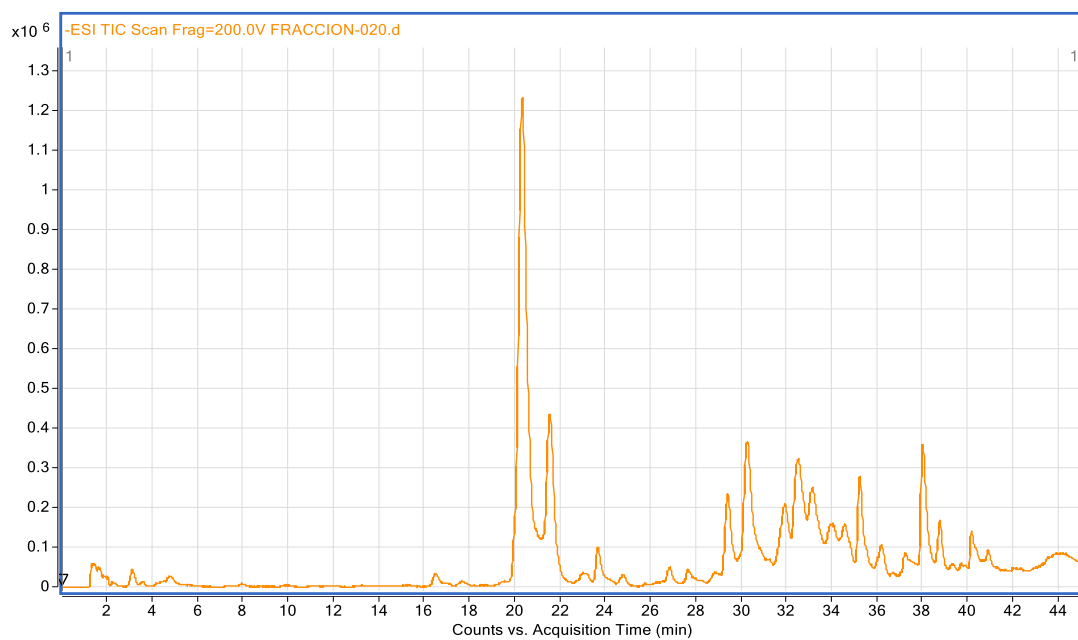
r.- Chromatogram fraction eighteen (1. Kaemferol, 2. Naringenin).



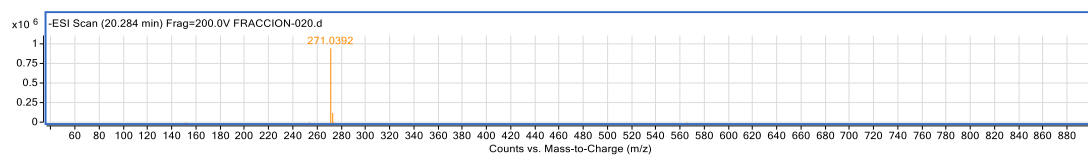
Kaemferol. Error ppm -8.04



Naringenin. Error ppm 8.55

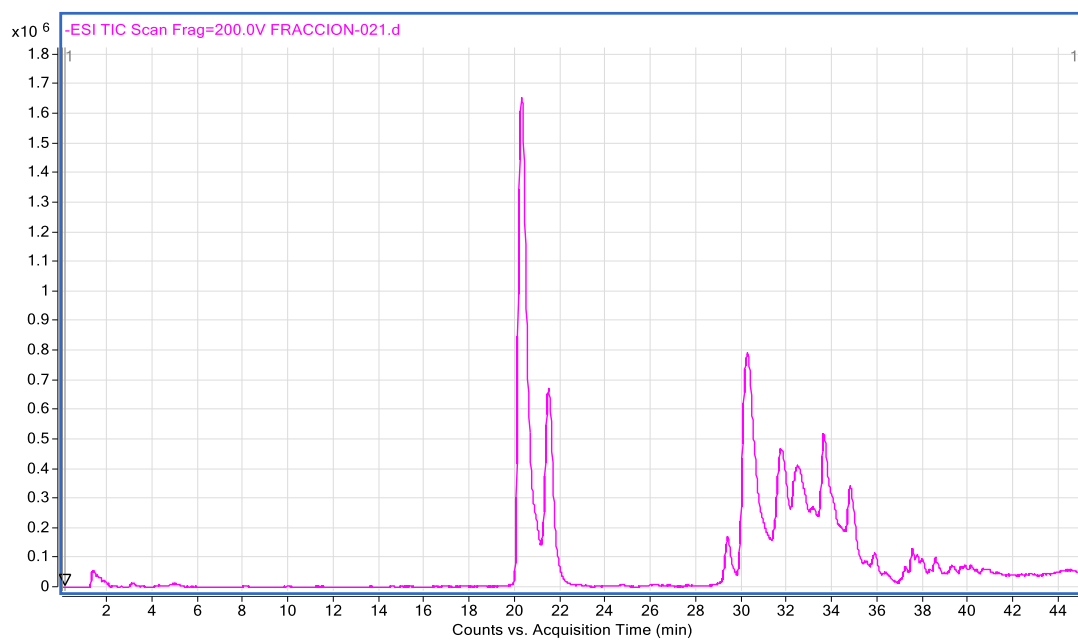


s.- Chromatogram fraction nineteen (1. Naringenin).

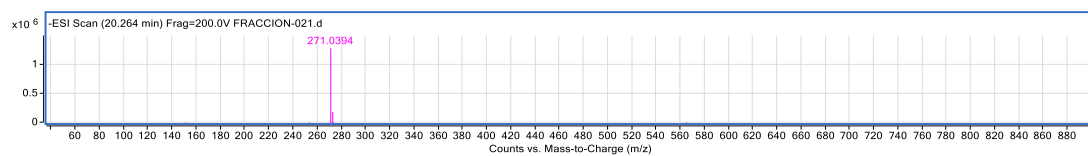


Naringenin. Error ppm 3.38

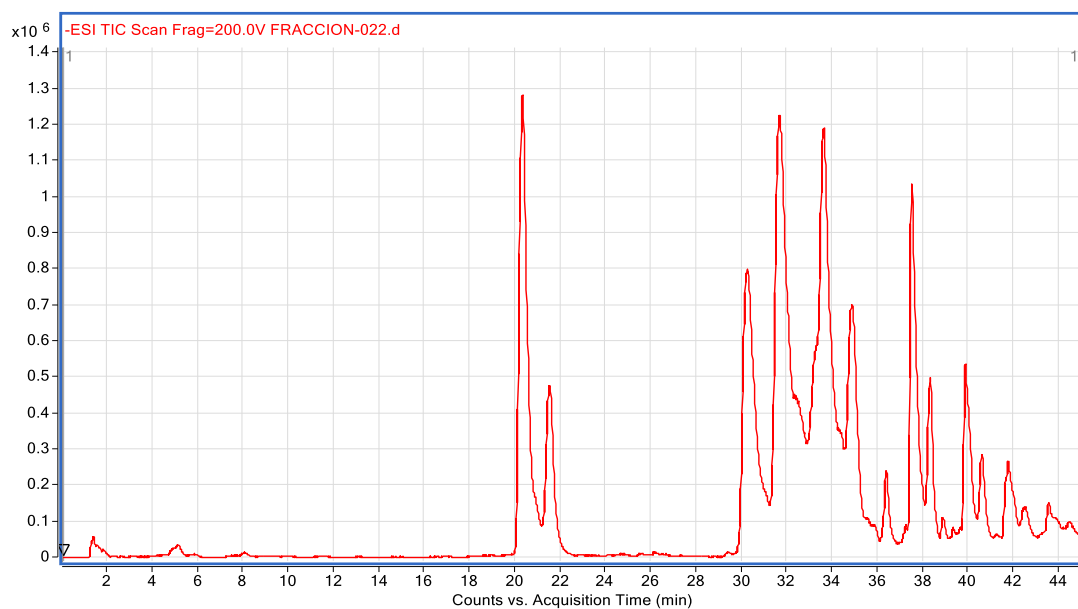




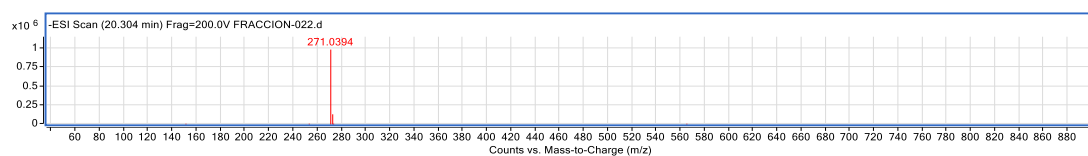
t.- Chromatogram fraction twenty (1. Naringenin).



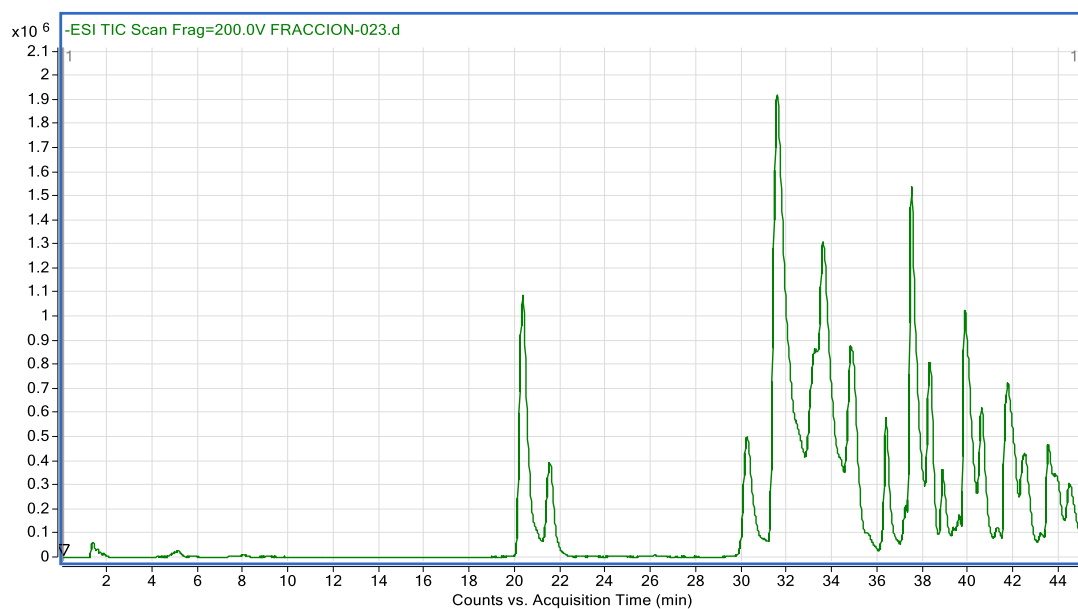
Naringenin. Error ppm 2.59



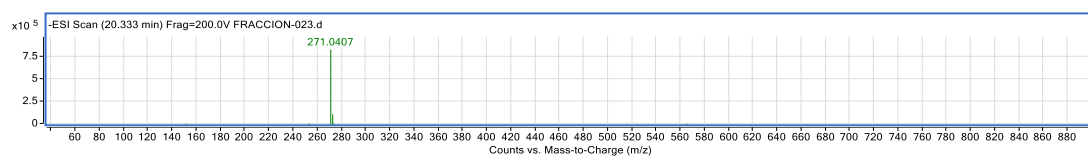
u.- Chromatogram fraction twenty-one (1. Naringenin).



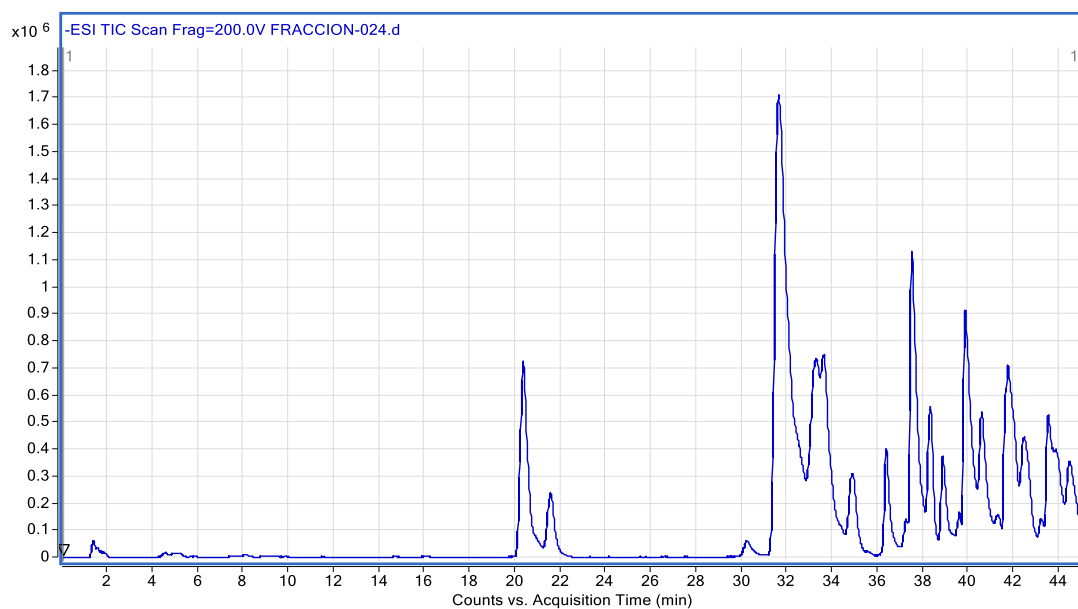
Naringenin. Error ppm 2.92



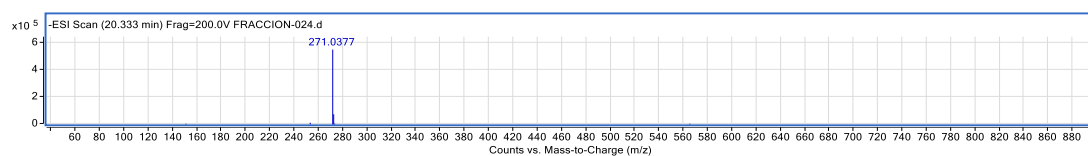
v.- Chromatogram fraction twenty-two (1. Naringenin).



Naringenin. Error ppm -1.81



w.- Chromatogram fraction twenty-three (1. Naringenin).



Naringenin. Error ppm 9.06