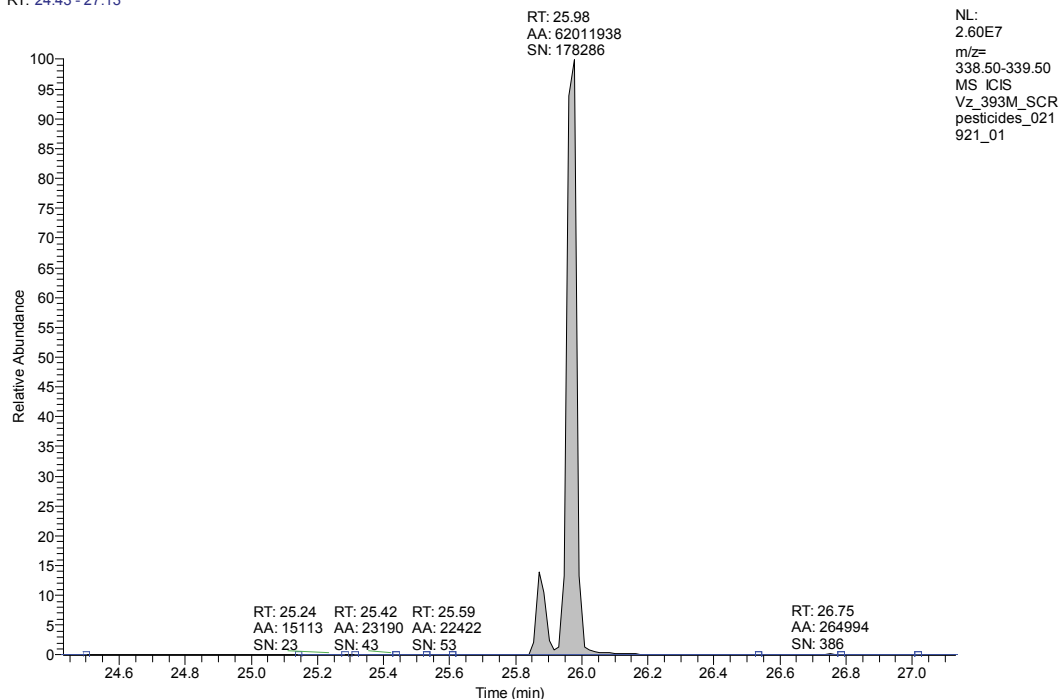


Supplementary materials 1-5

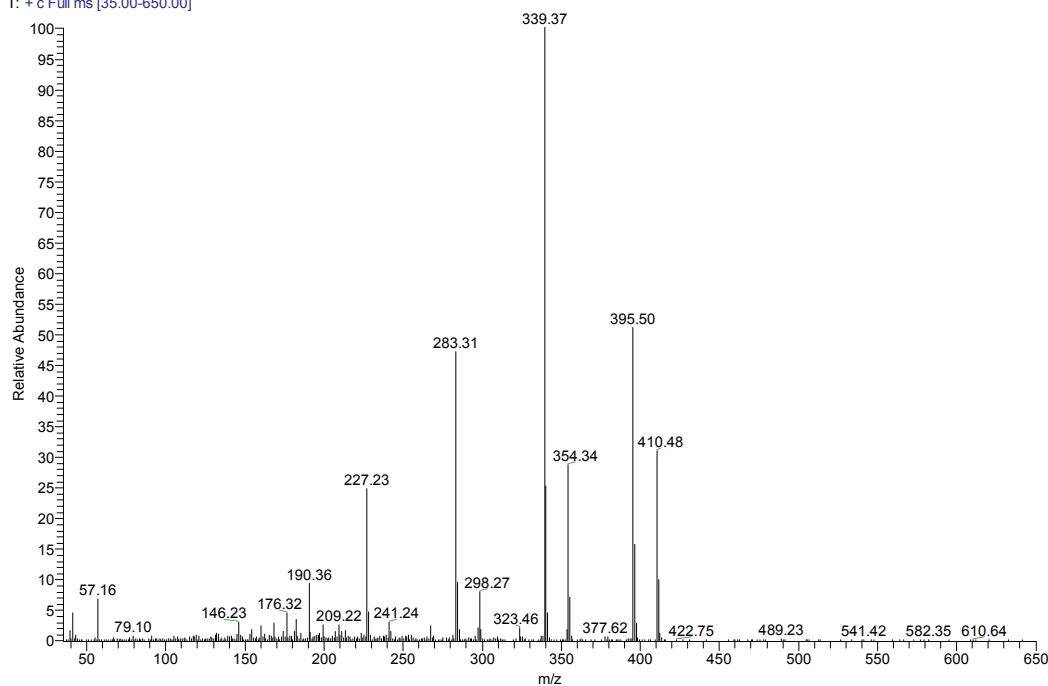
Supplement 1

3,4',5,6'-tetra-tert-butylbiphenyl-2,3'-diol positive screened in clinical serum sample no. 392K with dominant m/z 339.3, below full ms EI spectrum

RT: 24.43 - 27.13



Vz_393M_SCRpesticides_021921_01 #1503 RT: 25.98 AV: 1 NL: 2.60E7
T: + c Full ms [35.00-650.00]



RT – retention time

S/N – signal to noise

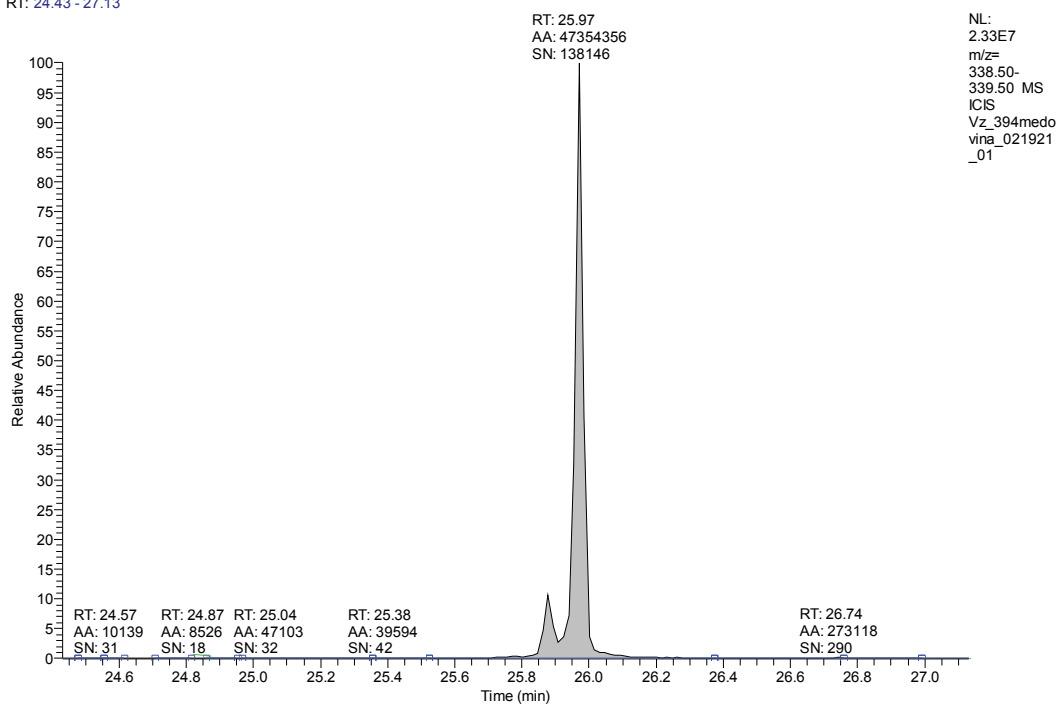
AA – automatic integration of area under peak

EI – electron ionization

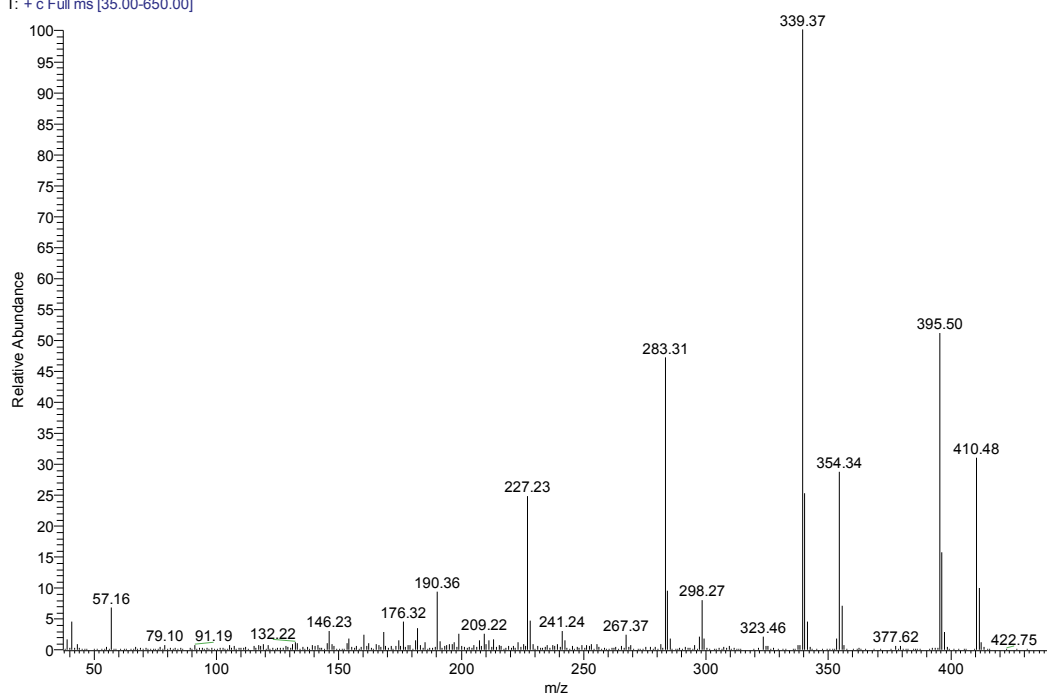
Supplement 2

3,4',5,6'-tetra-tert-butylbiphenyl-2,3'-diol positive screened in analytical sample no. 394medovina with dominant m/z 339.4, below full ms EI spectrum

RT: 24.43 - 27.13



Vz_393M_SCRpesticides_021921_01#1503 RT: 25.98 AV: 1 NL: 2.60E7
T: + c Full ms [35.00-650.00]



RT – retention time

S/N – signal to noise

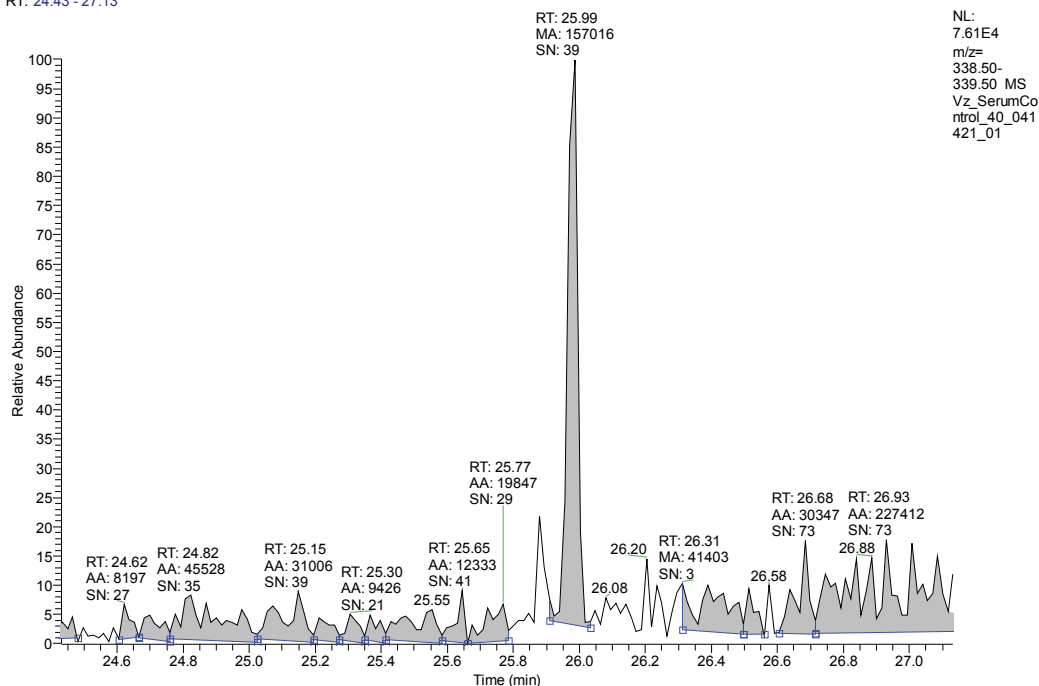
AA – automatic integration of area under peak

EI – electron ionization

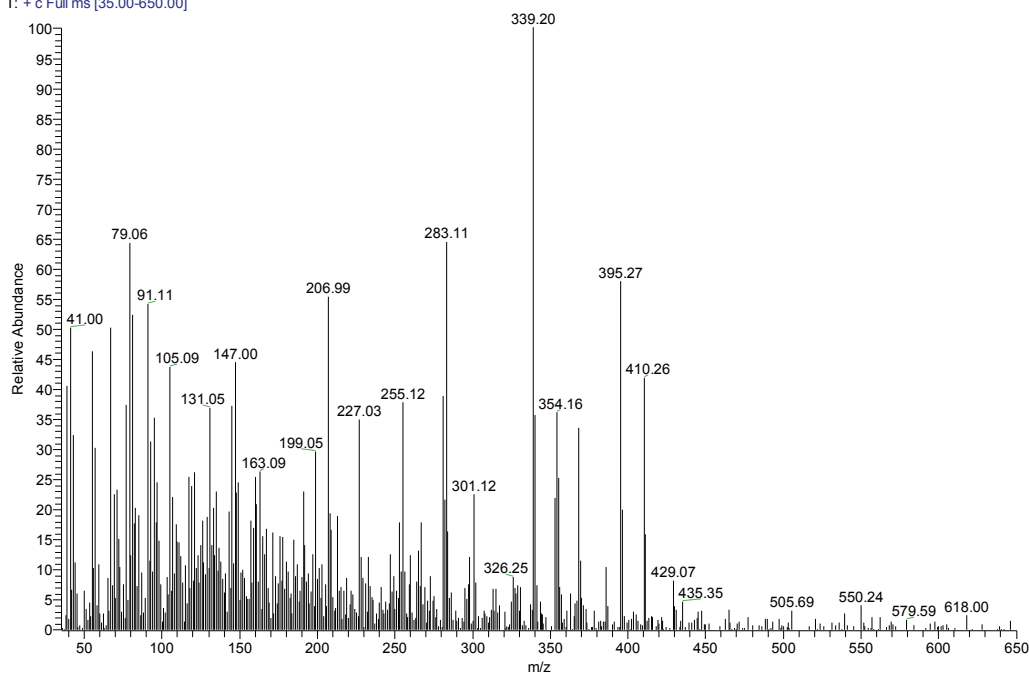
Supplement 3

3,4',5,6'-tetra-tert-butylbiphenyl-2,3'-diol positive screened in control serum sample no. 40 with dominant m/z 339.2, below full ms EI spectrum

RT: 24.43 - 27.13



Vz_SerumControl_40_041421_01 #1452 RT: 25.99 AV: 1 NL: 7.61E4
T: + c Full ms [35.00-650.00]



RT – retention time

S/N – signal to noise

AA – automatic integration of area under peak

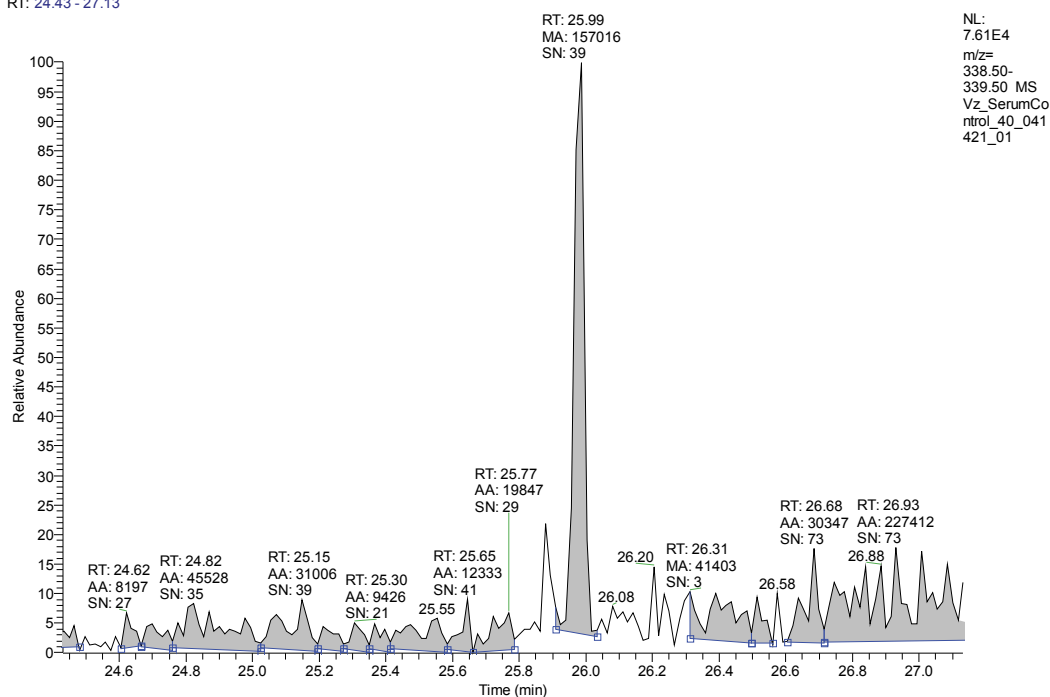
MA – manual integration of area under peak (in case of trace findings)

EI – electron ionization

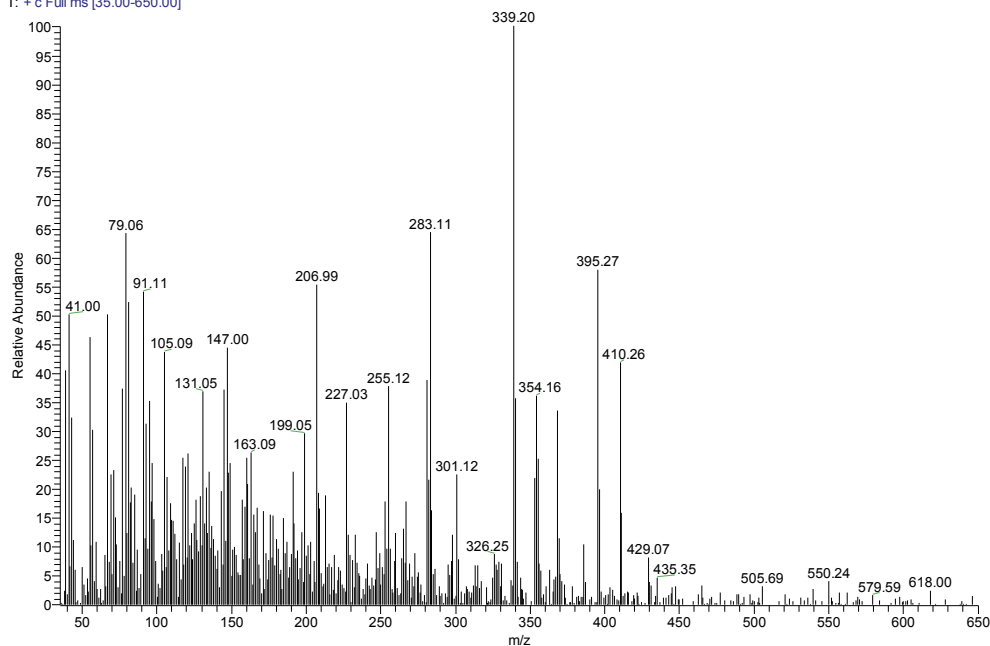
Supplement 4

3,4',5,6'-tetra-tert-butylbiphenyl-2,3'-diol positive screened in control serum sample no. 40 with dominant m/z 339.2, below full ms EI spectrum

RT: 24.43 - 27.13



Vz_SerumControl_40_041421_01 #1452 RT: 25.99 AV: 1 NL: 7.61E4
T: + c Full ms [35.00-650.00]



RT – retention time

S/N – signal to noise

AA – automatic integration of area under peak

MA – manual integration of area under peak (in case of trace findings)

EI – electron ionization

Supplement 5

Chemicals and reagents

- All solvents and reagents were analytical or LC/MS Chromasolv® or LC-MS LiChrosolv® grade
- 0.5 M hydrochloric acid in methanol (Methanolic HCl, Honeywell/Riedel-de-Häen, EU)
- *n*-Hexane hypergrade for LC-MS LiChrosolv® (Merck)
- SPEC 3 ml C18 30 mg (VARIAN/Agilent) for Solid Phase Extraction for analytical samples preparation (SPE)
- GC/MS chromatography capillary column TG-5MS, 30 m × 0.25 mm × 0.25 µm (Thermo Scientific, USA)
- Analytical instrument: GC/MS (ion trap with external ionization/EI, Focus-ITQ, Thermo Scientific, USA)
- Accessory equipment: Digital Dry Bath (Medesa, CZ)