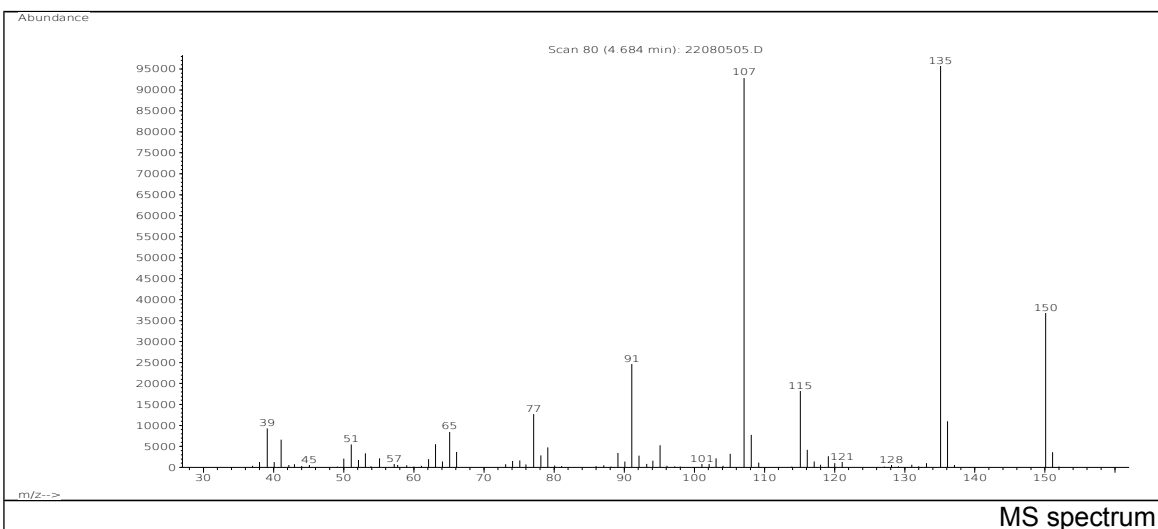
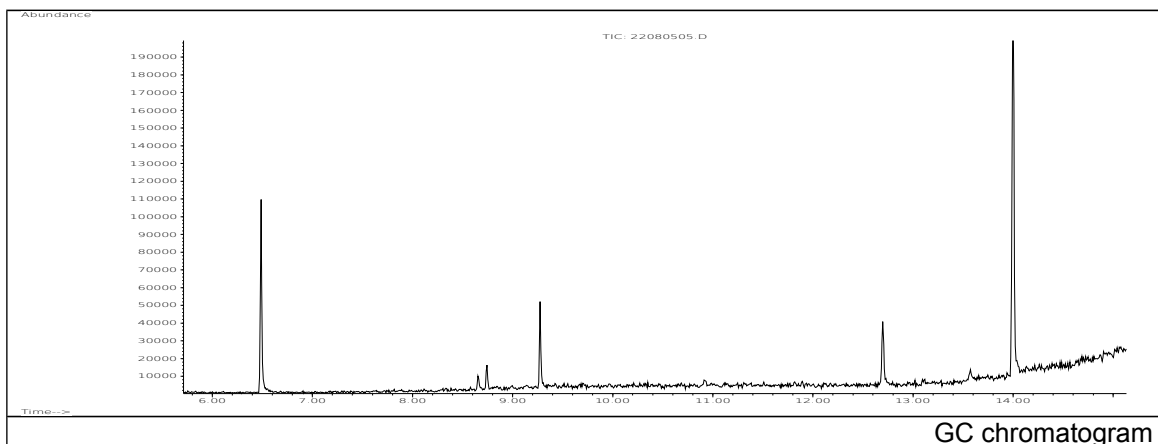


JRC CRL - FCM Database / GC-MS

Sample Name: Ethyleneglycol bis[3,3-bis(3-tert-butyl-4-hydroxyphenyl)butyrate]
 Solvent: Methanol CAS: 032509-66-3
 Concentration: 100 µg/mL PM ref: 53670 [U.R.N. A007]

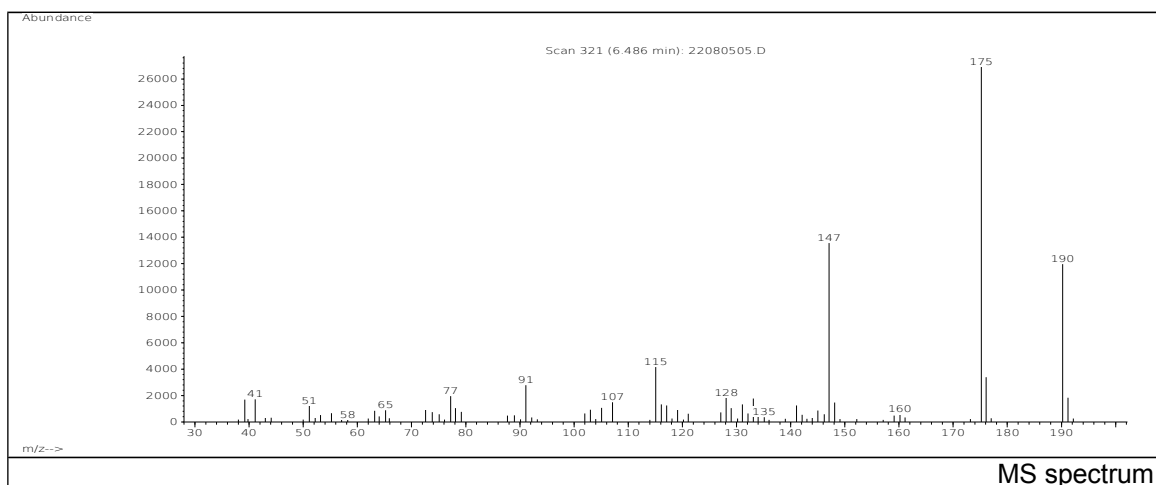


| m/z | Abundance | Ion Intensity % | m/z | Abundance | Ion Intensity % |
|-------|-----------|-----------------|--------|-----------|-----------------|
| 39.10 | 9314,0 | 9,48 | 95.10 | 5290,0 | 5,38 |
| 41.10 | 6585,0 | 6,70 | 107.10 | 92952,0 | 94,58 |
| 51.10 | 5498,0 | 5,59 | 108.10 | 7774,0 | 7,91 |
| 63.10 | 5513,0 | 5,61 | 115.10 | 18264,0 | 18,58 |
| 65.10 | 8604,0 | 8,75 | 135.10 | 98280,0 | 100,00 |
| 77.10 | 12727,0 | 12,95 | 136.10 | 11005,0 | 11,20 |
| 79.10 | 4775,0 | 4,86 | 150.10 | 36816,0 | 37,46 |
| 91.10 | 24688,0 | 25,12 | | | |

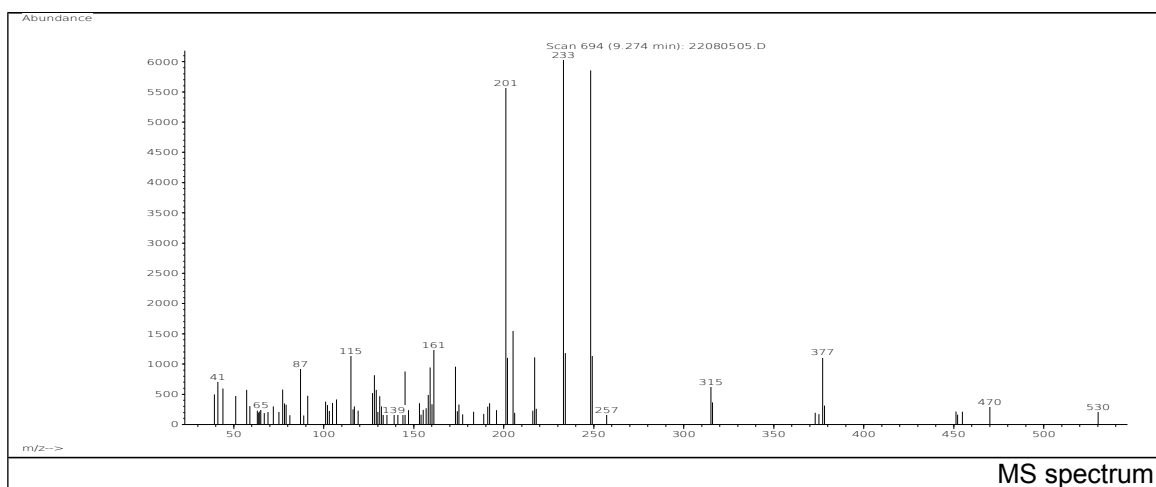
Spectrometer: HEWLETT PACKARD GC/MS 6890/5973
 Inlet system: capillary GC/MS
 Scan Range: 40 - 700 amu
 Source temperature: 230 °C

Flow: 1.2 mL/min
 Column: DB 17-HT (30 m x 0.25 mm x 0.15 µm)
 Programme temperature: 70 °C; 20 °C/min (250 °C);
 10 °C/min (350 °C); 350 °C (20 min)

JRC CRL - FCM Database / GC-MS



| m/z | Abundance | Ion Intensity % | m/z | Abundance | Ion Intensity % |
|--------|-----------|-----------------|--------|-----------|-----------------|
| 39.20 | 1701,0 | 6,13 | 133.10 | 1783,0 | 6,43 |
| 41.10 | 1722,0 | 6,21 | 147.10 | 13569,0 | 48,92 |
| 77.20 | 1952,0 | 7,04 | 148.10 | 1460,0 | 5,26 |
| 91.10 | 2795,0 | 10,08 | 175.20 | 27736,0 | 100,00 |
| 107.10 | 1497,0 | 5,40 | 176.10 | 3399,0 | 12,25 |
| 115.10 | 4154,0 | 14,98 | 190.20 | 11961,0 | 43,12 |
| 128.10 | 1821,0 | 6,57 | 191.20 | 1833,0 | 6,61 |
| 131.10 | 1322,0 | 4,77 | | | |



| m/z | Abundance | Ion Intensity % | m/z | Abundance | Ion Intensity % |
|--------|-----------|-----------------|--------|-----------|-----------------|
| 87.00 | 920,0 | 14,88 | 205.10 | 1549,0 | 25,06 |
| 115.10 | 1136,0 | 18,38 | 217.10 | 1112,0 | 17,99 |
| 145.10 | 878,0 | 14,20 | 233.20 | 6182,0 | 100,00 |
| 159.10 | 944,0 | 15,27 | 234.20 | 1183,0 | 19,14 |
| 161.10 | 1240,0 | 20,06 | 248.20 | 5855,0 | 94,71 |
| 173.10 | 955,0 | 15,45 | 249.10 | 1134,0 | 18,34 |
| 201.10 | 5571,0 | 90,12 | 377.10 | 1111,0 | 17,97 |
| 202.10 | 1103,0 | 17,84 | | | |

Spectrometer: HEWLETT PACKARD GC/MS 6890/5973

Inlet system: capillary GC/MS

Scan Range: 40 - 700 amu

Source temperature: 230 °C

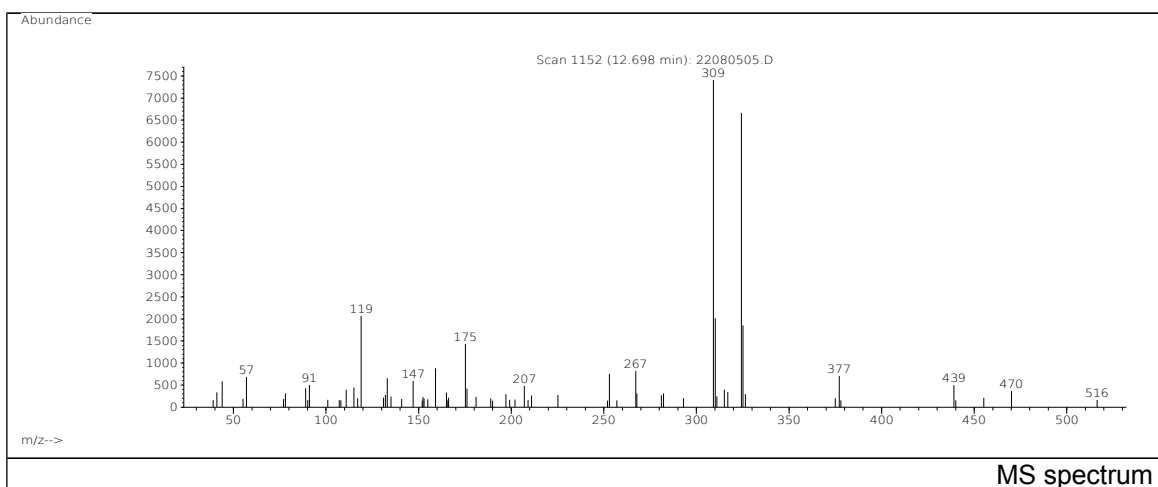
Flow: 1.2 mL/min

Column: DB 17-HT (30 m x 0.25 mm x 0.15 µm)

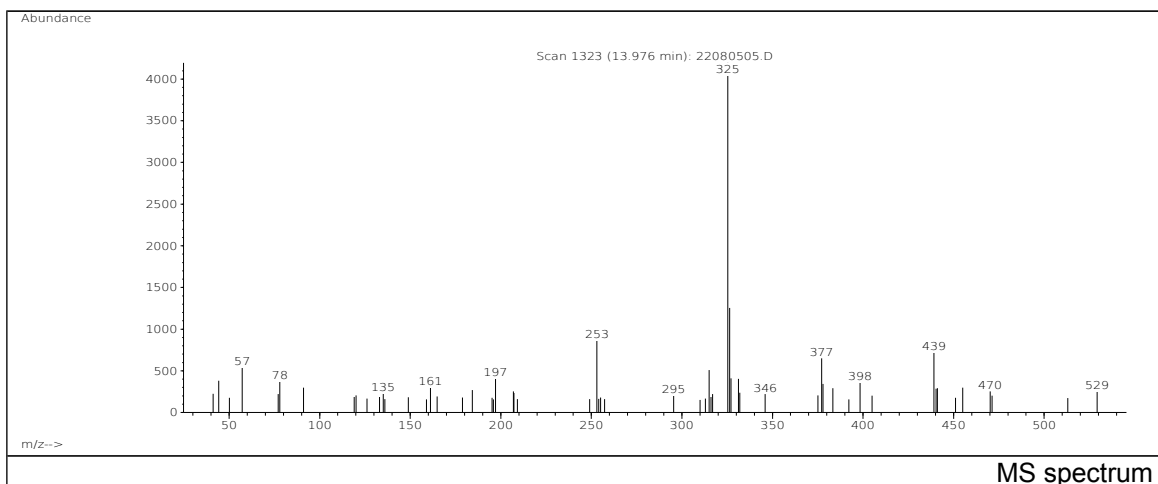
Programme temperature: 70 °C; 20 °C/min (250 °C);

10 °C/min (350 °C); 350 °C (20 min)

JRC CRL - FCM Database / GC-MS



| m/z | Abundance | Ion Intensity % | m/z | Abundance | Ion Intensity % |
|--------|-----------|-----------------|--------|-----------|-----------------|
| 44.00 | 582,0 | 7,55 | 253.00 | 756,0 | 9,81 |
| 57.10 | 698,0 | 9,05 | 267.20 | 836,0 | 10,84 |
| 91.00 | 505,0 | 6,55 | 309.20 | 7710,0 | 100,00 |
| 119.00 | 2074,0 | 26,90 | 310.20 | 2018,0 | 26,17 |
| 133.10 | 655,0 | 8,50 | 324.30 | 6663,0 | 86,42 |
| 147.10 | 605,0 | 7,85 | 325.20 | 1855,0 | 24,06 |
| 159.10 | 879,0 | 11,40 | 377.10 | 715,0 | 9,27 |
| 175.20 | 1450,0 | 18,81 | | | |



| m/z | Abundance | Ion Intensity % | m/z | Abundance | Ion Intensity % |
|--------|-----------|-----------------|--------|-----------|-----------------|
| 41.10 | 1825,0 | 1,90 | 325.30 | 96008,0 | 100,00 |
| 57.10 | 5167,0 | 5,38 | 326.30 | 23424,0 | 24,40 |
| 119.10 | 1780,0 | 1,85 | 327.20 | 3508,0 | 3,65 |
| 133.10 | 1547,0 | 1,61 | 383.30 | 7322,0 | 7,63 |
| 159.10 | 1706,0 | 1,78 | 384.20 | 1567,0 | 1,63 |
| 175.10 | 1685,0 | 1,76 | 398.30 | 8699,0 | 9,06 |
| 295.20 | 1962,0 | 2,04 | 399.30 | 2136,0 | 2,22 |
| 309.20 | 3466,0 | 3,61 | | | |

Spectrometer: HEWLETT PACKARD GC/MS 6890/5973
 Inlet system: capillary GC/MS
 Scan Range: 40 - 700 amu
 Source temperature: 230 °C

Flow: 1.2 mL/min
 Column: DB 17-HT (30 m x 0.25 mm x 0.15 µm)
 Programme temperature: 70 °C; 20 °C/min (250 °C);
 10 °C/min (350 °C); 350 °C (20 min)