# GC/MS Aromatics Report

**Well: 211/26-01**

**Field: Cormorant**

**Country: United Kingdom**

# GC/MS aromatics data report
# FPC_58862

## Sample information

| | | | |
|---|---|---|---|
| Sample ID | **FPC_58862** | Depth (ft) | **9050.0 - 9100.0** |
| Sample type | **Oil** | Formation | **BROOM/ETIVE** |
| Country | **United Kingdom** | Age | **-** |
| Basin | **East Shetland Basin** | Reservoir | **-** |
| Prospect | **-** | Sample date | **-** |
| Block | **211/26** | Sample origin | **UNKN** |
| Field | **Cormorant** | Operator | **TAQA** |
| Well name | **211/26-01** | Int. std. D10-Phenanthrene (ppm) | **84** |
| Well code | **FPCW_3053** | | |
| Latitude | **61.128272** | | |
| Longitude | **1.102714** | | |

# Peak Data Table
## FPC_58862

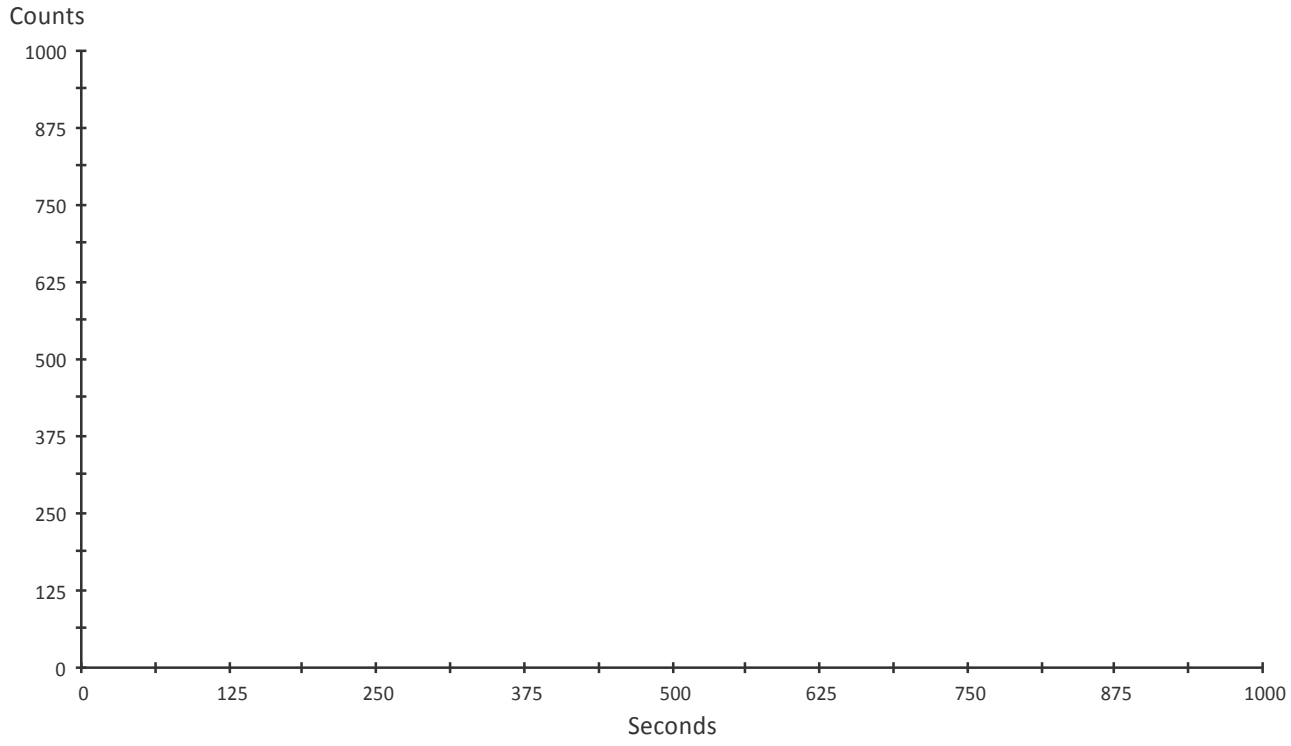
| Peak name | Ion | Area |
|---|---|---|
| 2,3,6_TMB_C15arylisoprenoid | 134.10 | - |
| 2,3,6_TMB_C16arylisoprenoid | 134.10 | - |
| 2,3,6_TMB_C17arylisoprenoid | 134.10 | - |
| 2,3,6_TMB_C18arylisoprenoid | 134.10 | - |
| 2,3,6_TMB_C19arylisoprenoid | 134.10 | - |
| 2,3,6_TMB_C20arylisoprenoid | 134.10 | - |
| 2,3,6_TMB_C21arylisoprenoid | 134.10 | - |
| 2,3,6_TMB_C22Barylisoprenoid | 134.10 | - |
| 2,3,6_TMB_C23arylisoprenoid | 134.10 | - |
| 2-methylnaphtalene | 142.10 | 521227.69 |
| 1-methylnaphtalene | 142.10 | 505695.16 |
| 2,6-dimethylnaphthalene | 156.10 | 120336.38 |
| 2,7-dimethylnaphthalene | 156.10 | 117038.15 |
| 1,3+1,7-dimethylnaphthalene | 156.10 | 369915.88 |
| 1,6-dimethylnaphthalene | 156.10 | 325519.78 |
| 1,5-dimethylnaphthalene | 156.10 | 159269.80 |
| 2,3-dimethylnaphthalene | 156.10 | 96556.54 |
| 1,2-dimethylnaphthalene | 156.10 | 86856.48 |
| 1,3,7-trimethylnapthalene | 170.10 | 115749.26 |
| 1,3,6-trimethylnapthalene | 170.10 | 155352.25 |
| 1,3,5+1,4,6-trimethylnapthalene | 170.10 | 170490.88 |
| 2,3,6-trimethylnapthalene | 170.10 | 77006.88 |
| 1,2,7-trimethylnapthalene | 170.10 | 49486.45 |
| 1,6,7-trimethylnapthalene | 170.10 | 137672.77 |
| 1,2,6-trimethylnapthalene | 170.10 | 8101.74 |
| 1,2,4-trimethylnapthalene | 170.10 | 28406.76 |
| 1,2,5-trimethylnapthalene | 170.10 | 114955.84 |
| Phenanthrene | 178.10 | 160366.62 |
| 1,3,5,7-tetramethylnapthalene | 184.10 | 44807.83 |
| 1,3,6,7-tetramethylnapthalene | 184.10 | 36214.80 |
| 1,2,4,7-tetramethylnapthalene | 184.10 | 55118.71 |
| 1,2,5,7-tetramethylnapthalene | 184.10 | 34694.59 |
| 2,3,6,7-tetramethylnapthalene | 184.10 | 17766.69 |
| 1,2,6,7-tetramethylnapthalene | 184.10 | 18461.16 |
| 1,2,5,6-tetramethylnapthalene | 184.10 | 38523.18 |
| Dibenzothiophene | 184.10 | 88181.88 |
| D10-Phenanthrene (Intern. Std.) | 188.10 | 54006.81 |
| 3-methylphenanthrene | 192.10 | 65629.83 |
| 2-methylphenanthrene | 192.10 | 67359.66 |
| 9-methylphenanthrene | 192.10 | 131217.16 |
| 1-methylphenanthrene | 192.10 | 106359.80 |
| Cadalene | 198.00 | 5180.70 |
| 4-methyldibenzothiophene | 198.10 | 94970.26 |
| 3+2-methyldibenzothiophene | 198.10 | 72612.91 |
| 1-methyldibenzothiophene | 198.10 | 48238.52 |
| 4,5-dimethylphenanthrene | 206.20 | 10383.47 |
| 2,6+3,6-dimethylphenanthrene | 206.20 | 27148.02 |
| 3,5-dimethylphenanthrene | 206.20 | 16240.37 |
| 2,7-dimethylphenanthrene | 206.20 | 9259.41 |
| 3,9-dimethylphenanthrene | 206.20 | 109494.97 |
| 1,6+2,5+2,9-dimethylphenanthrene | 206.20 | 59043.67 |
| 1,7-dimethylphenanthrene | 206.20 | 55063.96 |
| 1,9+4,9-dimethylphenanthrene | 206.20 | 48037.63 |
| 1,8-dimethylphenanthrene | 206.20 | 14770.05 |
| 1,2-dimethylphenanthrene | 206.20 | 9805.72 |

| Peak name | Ion | Area |
|---|---|---|
| TA_C20 | 231.20 | 12769.02 |
| TA_C21 | 231.20 | 13637.90 |
| TA_C22_20S | 231.20 | 3836.90 |
| TA_C22_20R | 231.20 | 3556.02 |
| TA_C26_20S | 231.20 | 13082.50 |
| TA_C26_20R_C27_20S | 231.20 | 59631.75 |
| TA_C28_20S_A+B | 231.20 | 40307.56 |
| TA_C27_20R | 231.20 | 38831.23 |
| TA_C29_20S_A | 231.20 | 10228.22 |
| TA_C29_20S_B | 231.20 | 5062.00 |
| TA_C28_20R | 231.20 | 40176.16 |
| MA_C21_A | 253.20 | 9833.69 |
| MA_C21_B | 253.20 | 3637.96 |
| MA_C22_A | 253.20 | 8498.85 |
| MA_C22_B | 253.20 | 4423.61 |
| MA_C27_I_20S | 253.20 | 5249.57 |
| MA_C27_V_20S | 253.20 | 17779.50 |
| MA_C27_I_20R_C27_V_20R | 253.20 | 18247.82 |
| MA_C27_II_20S | 253.20 | 4479.00 |
| MA_C28_I_20S | 253.20 | 34934.77 |
| MA_C28_V_20S | 253.20 | 3862.96 |
| MA_C27_II_20R | 253.20 | 3829.86 |
| MA_C28_II_20S | 253.20 | 6693.19 |
| MA_C28_I_20R_C28_V_20R | 253.20 | 27644.57 |
| MA_C29_I_20S_C29_V_20S | 253.20 | 26426.72 |
| MA_C29_II_20S | 253.20 | 4596.29 |
| MA_C28_II_20R | 253.20 | 10936.83 |
| MA_C29_I_20R_C29_V_20R | 253.20 | 20015.83 |

| | | | | | |
|---|---|---|---|---|---|
| Sample | **FPC_58862** | Sample type | **Oil** | Analysis | **GC-MSD in SIM mode** |
| Depth | **9050.0-9100.0ft** | Fraction | **Aromatic** | Analysis date | **25-AUG-2011** |

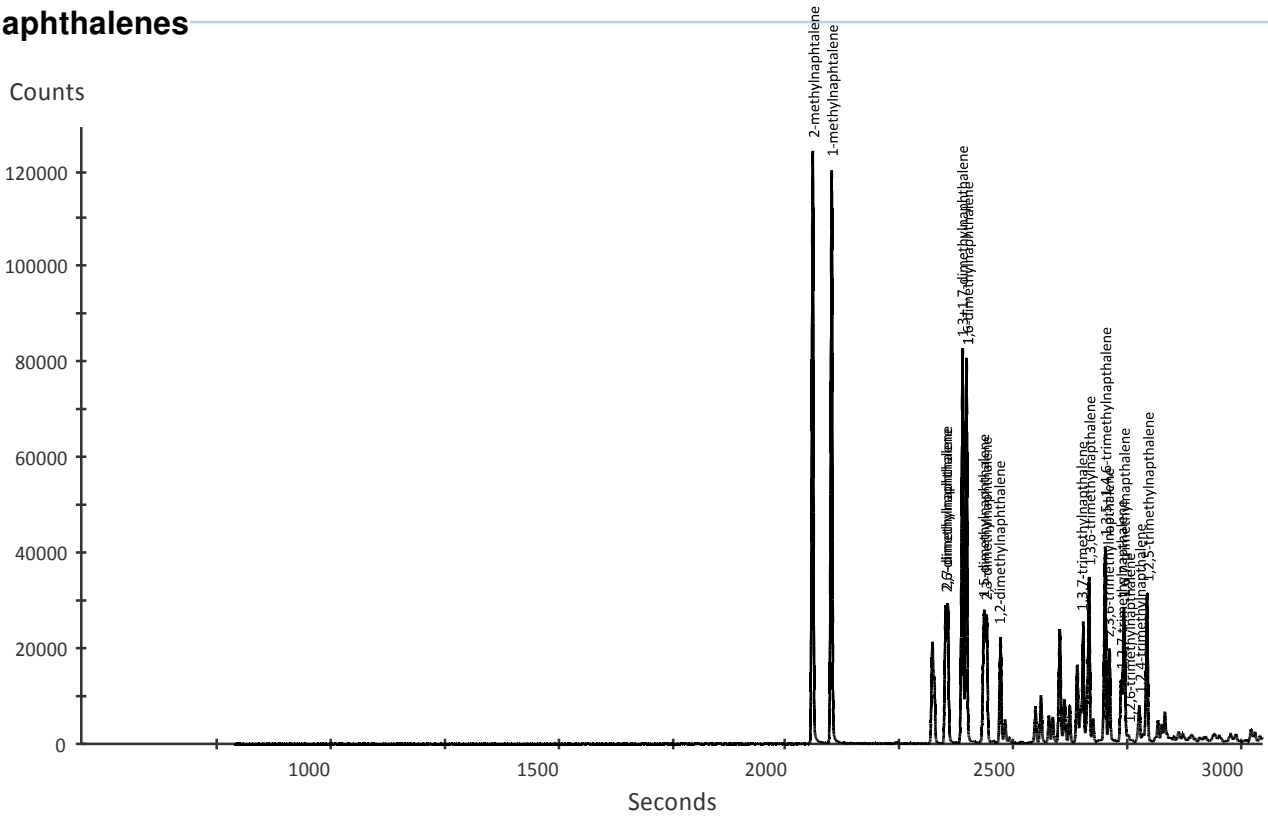
| m/z | signal intensity |
|---|---|
| 134.1 | **1,000** |

## Alkyl-trimethylbenzenes




| m/z | signal intensity |
|---|---|
| 142.1+156.1+170.1 | **129,196.08** |

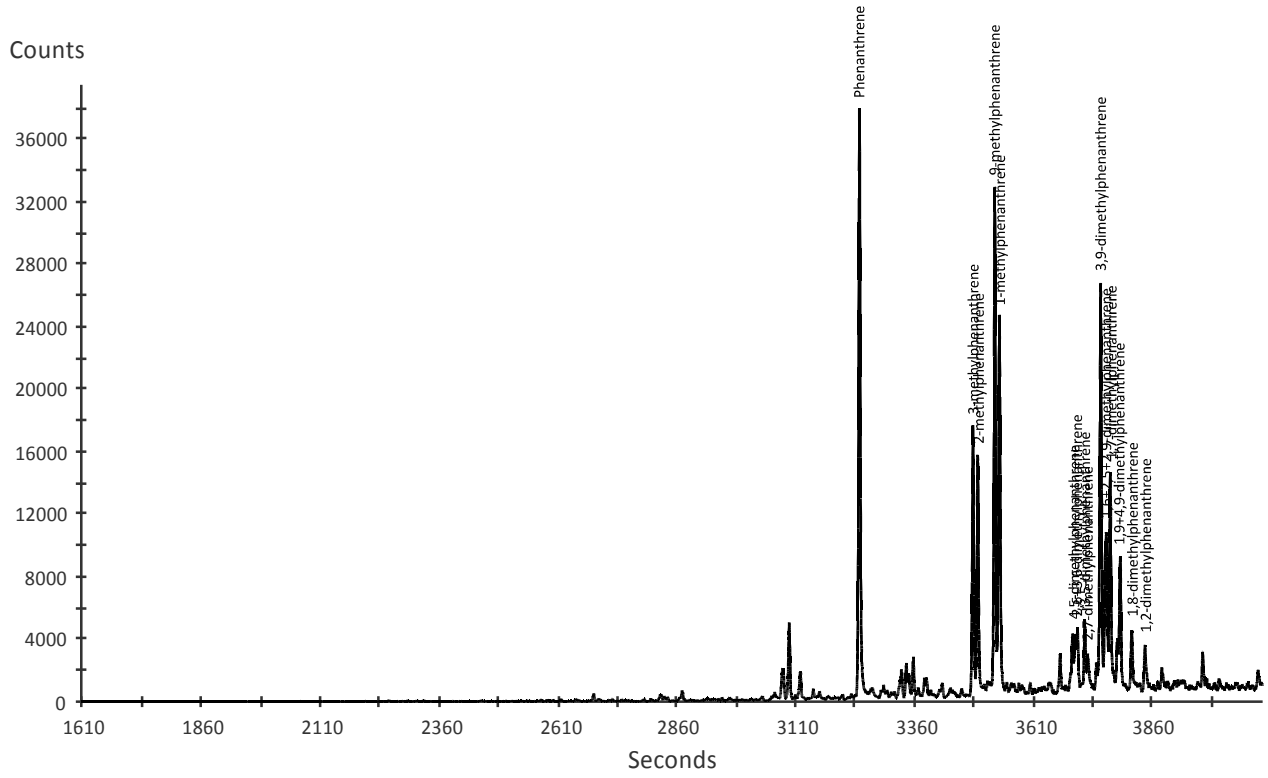
## Methylnaphthalenes



| Sample | FPC_58862 | Sample type | Oil | Analysis | GC-MSD in SIM mode |
|---|---|---|---|---|---|
| Depth | 9050.0-9100.0ft | Fraction | Aromatic | Analysis date | 25-AUG-2011 |

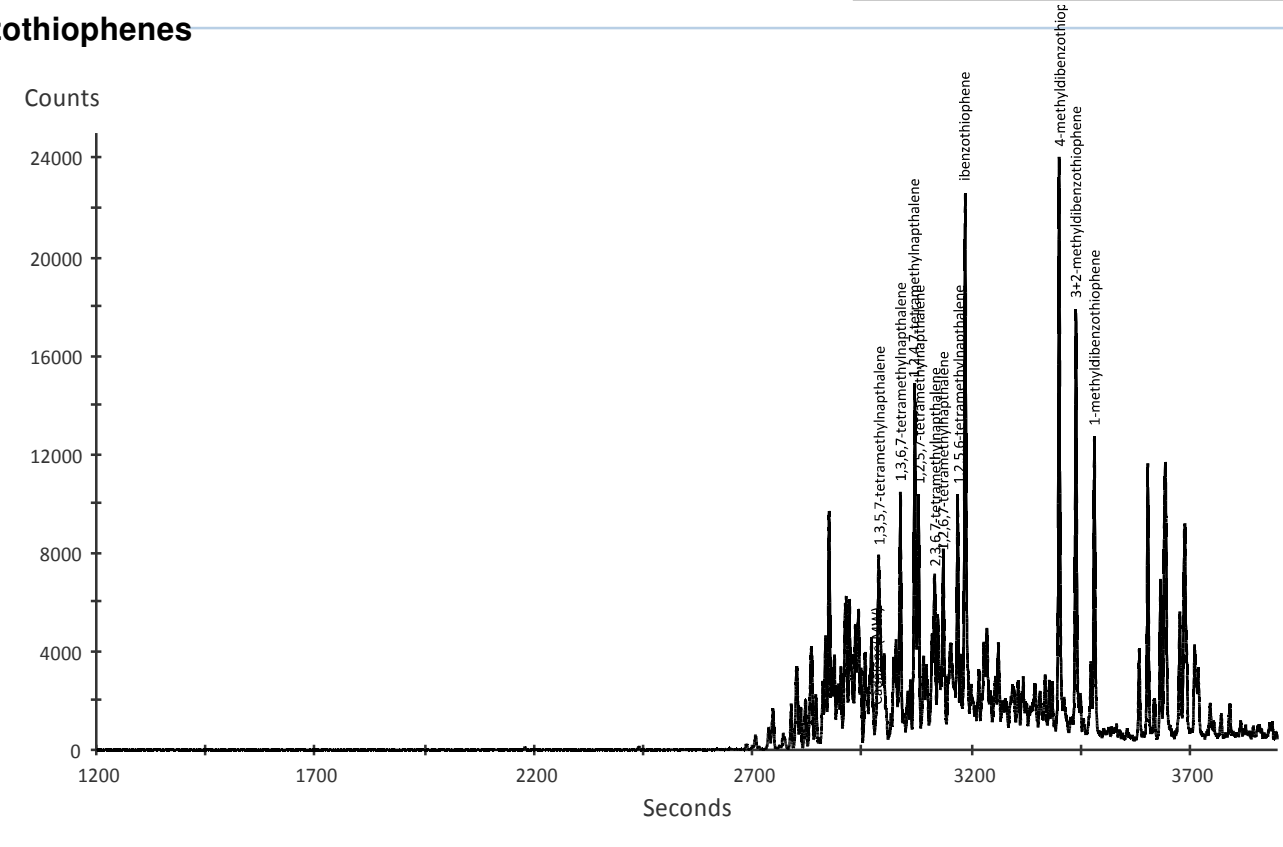
| m/z | signal intensity |
|---|---|
| 178.1+192.1+206.1 | 39,465.92 |

## Methylphenanthrenes




| m/z | signal intensity |
|---|---|
| 184.0+198.1+212.1 | 25,016.16 |

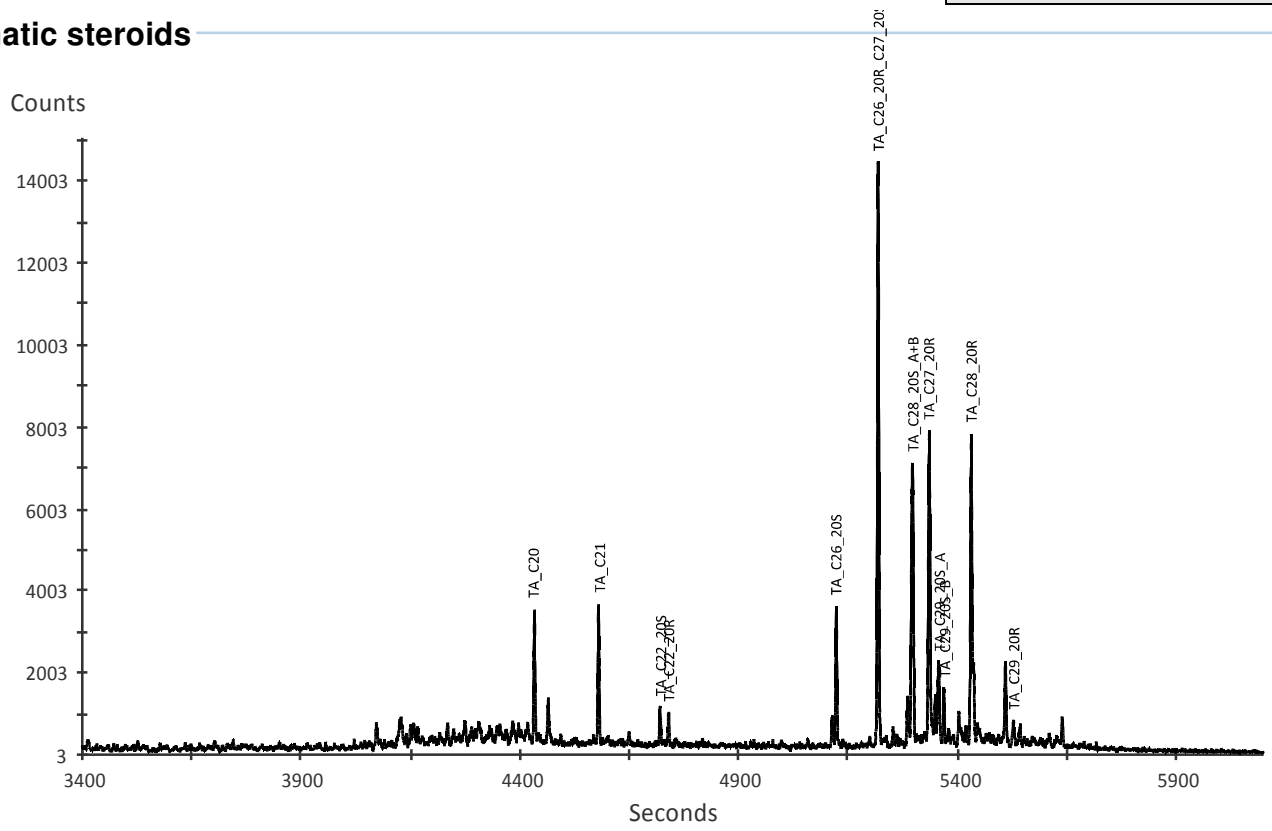
## Dibenzothiophenes



| | | | | | |
|---|---|---|---|---|---|
| Sample | **FPC_58862** | Sample type | **Oil** | Analysis | **GC-MSD in SIM mode** |
| Depth | **9050.0-9100.0ft** | Fraction | **Aromatic** | Analysis date | **25-AUG-2011** |

| m/z | signal intensity |
|---|---|
| 231.1 | **15,053.88** |

## Triaromatic steroids




| m/z | signal intensity |
|---|---|
| 253.2 | **8,054.8** |

## Monoaromatic steroids