# Benzodiazepines from Drugs of Abuse Screen (#AN2190)

ACE®
Ultra-inert
UHPLC & HPLC Columns

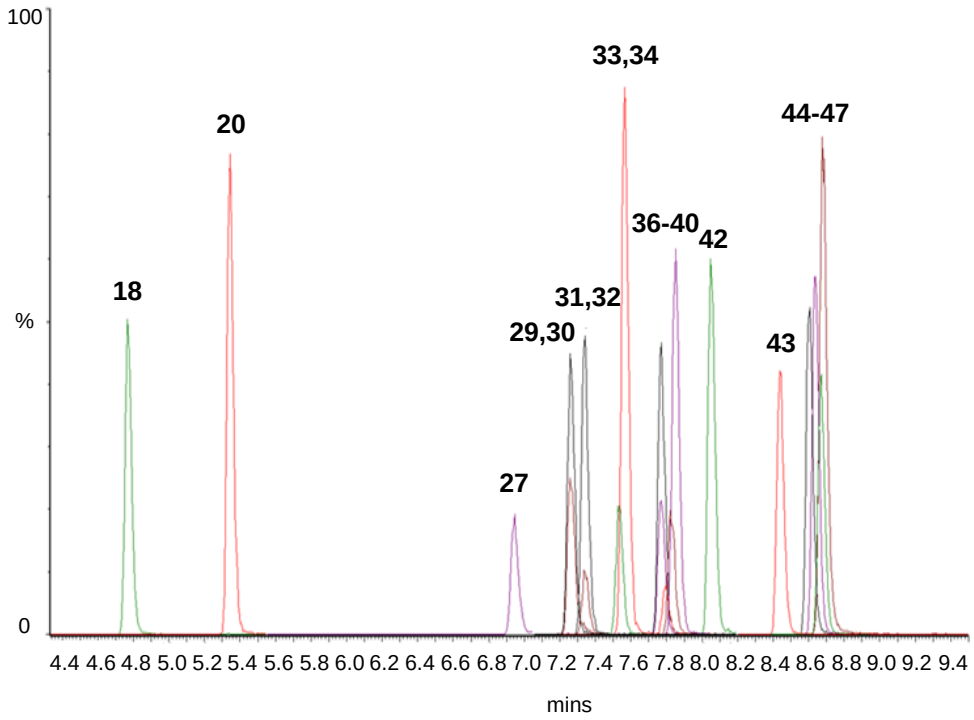
**Application #AN2370**

**Conditions**

| | |
|---|---|
| Column: | ACE Excel 1.7 C18 |
| Dimensions: | 100 x 2.1 mm |
| Part Number: | EXL-171-1002U |
| Mobile Phase: | A: 5 mM ammonium acetate in $H_2O$ |
| | B: 5 mM ammonium acetate in MeOH |

| Time (mins) | %B |
|---|---|
| 0.0 | 10 |
| 10.0 | 90 |
| 11.9 | 90 |
| 13.4 | 10 |
| 15.5 | 10 |

| | |
|---|---|
| Flow Rate: | 0.3 mL/min |
| Injection: | 10 µL |
| Temperature: | 40 °C |
| Detection: | MS Quattro Premier XE triple quad |
| | MRM, positive and negative ESI mode |
| | Desolvation temperature: 450 °C |
| | IonSource temperature: 150 °C |
| | Collision gas pressure: 3.5 x$10^{-3}$ mbar |




18. 7-Amino-clonazepam (*m/z* 286.2 → 121.0)
20. 7-Amino-flunitrazepam (*m/z* 284.2 → 135.0)
27. Bromazepam (*m/z* 316.1 → 182.1)
29. Clonazepam (*m/z* 316.1 → 270.1)
30. Nitrazepam (*m/z* 282.2 → 236.1)
31. α-Hydroxytriazolam (*m/z* 359.1 → 331.1)
32. Flunitrazepam (*m/z* 314.2 → 268.2)
33. α-Hydroxyalprazolam (*m/z* 325.2 → 297.1)
34. Estazolam (*m/z* 295.2 → 267.2)
36. Triazolam (*m/z* 343.0 → 308.1)
37. 2-Hydroxyethylflurazapam (*m/z* 333.2 → 109.0)
38. Lorazepam (*m/z* 321.1 → 275.1)
39. Oxazepam (*m/z* 287.2 → 241.0)
40. Alprazolam (*m/z* 309.2 → 281.2)
42. Temazepam (*m/z* 301.1 → 255.1)
43. Nordiazepam (*m/z* 271.1 → 139.9)
44. Midazolam (*m/z* 326.2 → 291.2)
45. Diazepam-d5 (*m/z* 290.2 → 154.0)
46. Diazepam (*m/z* 285.2 → 154.0)
47. Flurazepam (*m/z* 388.2 → 315.1)

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