

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

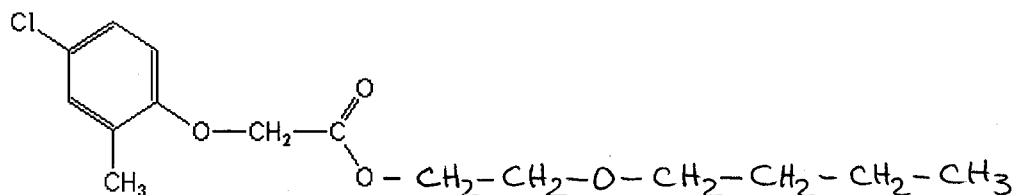
Analyte: MCPA-butotyl

CAS No.: 19480-43-4

Formula: C₁₄H₂₁ClO₄

Molecular mass (lowest isotopes): 300,11 amu

Structure:



Ionisation: ESI +

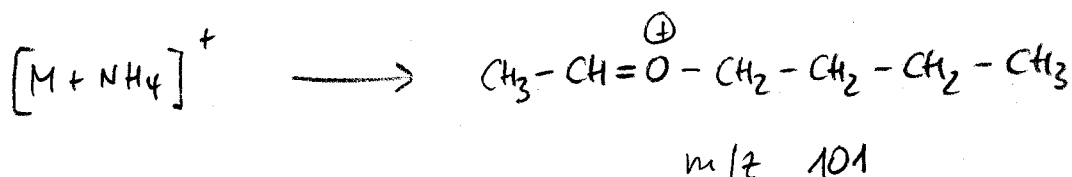
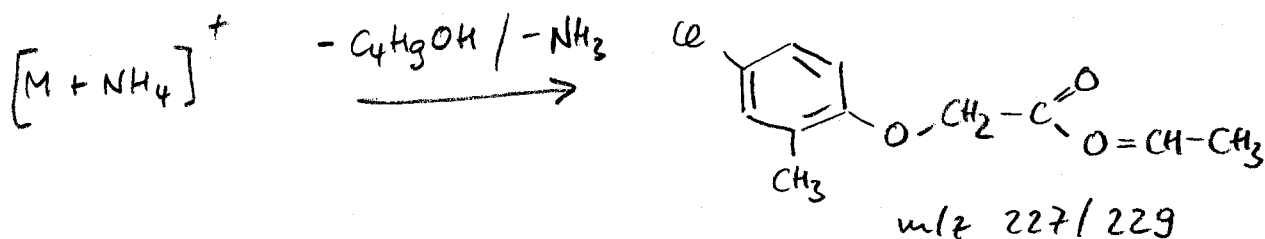
Quasimolecular ion: 318,1 amu = [M+NH₄]⁺

Analyte sensitive parameter set (API 2000)

Transition	318,1 → 227,0	318,1 → 101,2
Declustering potential (DP) ^{*)}	9 V	9 V
Focusing potential (FP)	350 V	370 V
Entrance potential (EP)	5,0 V	12,0 V
Collision cell entrance potential (CEP)	20 V	20 V
Collision energy (CE)	17 V	19 V
Collision cell exit potential (CXP)	12 V	4 V

^{*)} For API 3000 and 4000 enhance DP by 20V

Fragmentation



+Q1: 30 MCA scans from MT20021025111057.wiff

Max. 2.7e8 cps

2.7e8

2.6e8

2.4e8

2.2e8

2.0e8

1.8e8

1.6e8

1.4e8

1.2e8

1.0e8

8.0e7

6.0e7

4.0e7

2.0e7

0.0

Intensity, cps

82.2

50.5

114.2

68.1

146.2

178.2

196.2

210.2

228.2

240.2

279.1

296.2

311.3

332.3

339.2

354.4

371.1

396.2

419.1

441.1

463.1

485.1

507.1

529.1

551.1

573.1

595.1

617.1

639.1

661.1

683.1

705.1

727.1

749.1

771.1

793.1

815.1

837.1

859.1

881.1

903.1

925.1

947.1

969.1

991.1

1013.1

1035.1

1057.1

1079.1

1101.1

1123.1

1145.1

1167.1

1189.1

1211.1

1233.1

1255.1

1277.1

1299.1

1321.1

1343.1

1365.1

1387.1

1409.1

1431.1

1453.1

1475.1

1497.1

1519.1

1541.1

1563.1

1585.1

1607.1

1629.1

1651.1

1673.1

1695.1

1717.1

1739.1

1761.1

1783.1

1805.1

1827.1

1849.1

1871.1

1893.1

1915.1

1937.1

1959.1

1981.1

2003.1

2025.1

2047.1

2069.1

2091.1

2113.1

2135.1

2157.1

2179.1

2201.1

2223.1

2245.1

2267.1

2289.1

2311.1

2333.1

2355.1

2377.1

2399.1

2421.1

2443.1

2465.1

2487.1

2509.1

2531.1

2553.1

2575.1

2597.1

2619.1

2641.1

2663.1

2685.1

2707.1

2729.1

2751.1

2773.1

2795.1

2817.1

2839.1

2861.1

2883.1

2905.1

2927.1

2949.1

2971.1

2993.1

3015.1

3037.1

3059.1

3081.1

3103.1

3125.1

3147.1

3169.1

3191.1

3213.1

3235.1

3257.1

3279.1

3301.1

3323.1

3345.1

3367.1

3389.1

3411.1

3433.1

3455.1

3477.1

3499.1

3521.1

3543.1

3565.1

3587.1

3609.1

3631.1

3653.1

3675.1

3697.1

3719.1

3741.1

3763.1

3785.1

3807.1

3829.1

3851.1

3873.1

3895.1

3917.1

3939.1

3961.1

3983.1

4005.1

4027.1

4049.1

4071.1

4093.1

4115.1

4137.1

4159.1

4181.1

4203.1

4225.1

4247.1

4269.1

4291.1

4313.1

4335.1

4357.1

4379.1

4401.1

4423.1

4445.1

4467.1

4489.1

4511.1

4533.1

4555.1

4577.1

4599.1

4621.1

4643.1

4665.1

4687.1

4709.1

4731.1

4753.1

4775.1

4797.1

4819.1

4841.1

4863.1

4885.1

4907.1

4929.1

4951.1

4973.1

4995.1

5017.1

5039.1

5061.1

5083.1

5105.1

5127.1

5149.1

5171.1

5193.1

5215.1

5237.1

5259.1

5281.1

5303.1

5325.1

5347.1

5369.1

5391.1

5413.1

5435.1

5457.1

5479.1

5501.1

5523.1

5545.1

5567.1

5589.1

5611.1

5633.1

5655.1

5677.1

5699.1

5721.1

5743.1

5765.1

5787.1

5809.1

5831.1

5853.1

5875.1

5897.1

5919.1

5941.1

5963.1

5985.1

6007.1

6029.1

6051.1

6073.1

6095.1

6117.1

6139.1

6161.1

6183.1

6205.1

6227.1

6249.1

6271.1

6293.1

6315.1

6337.1

6359.1

6381.1

6403.1

6425.1

6447.1

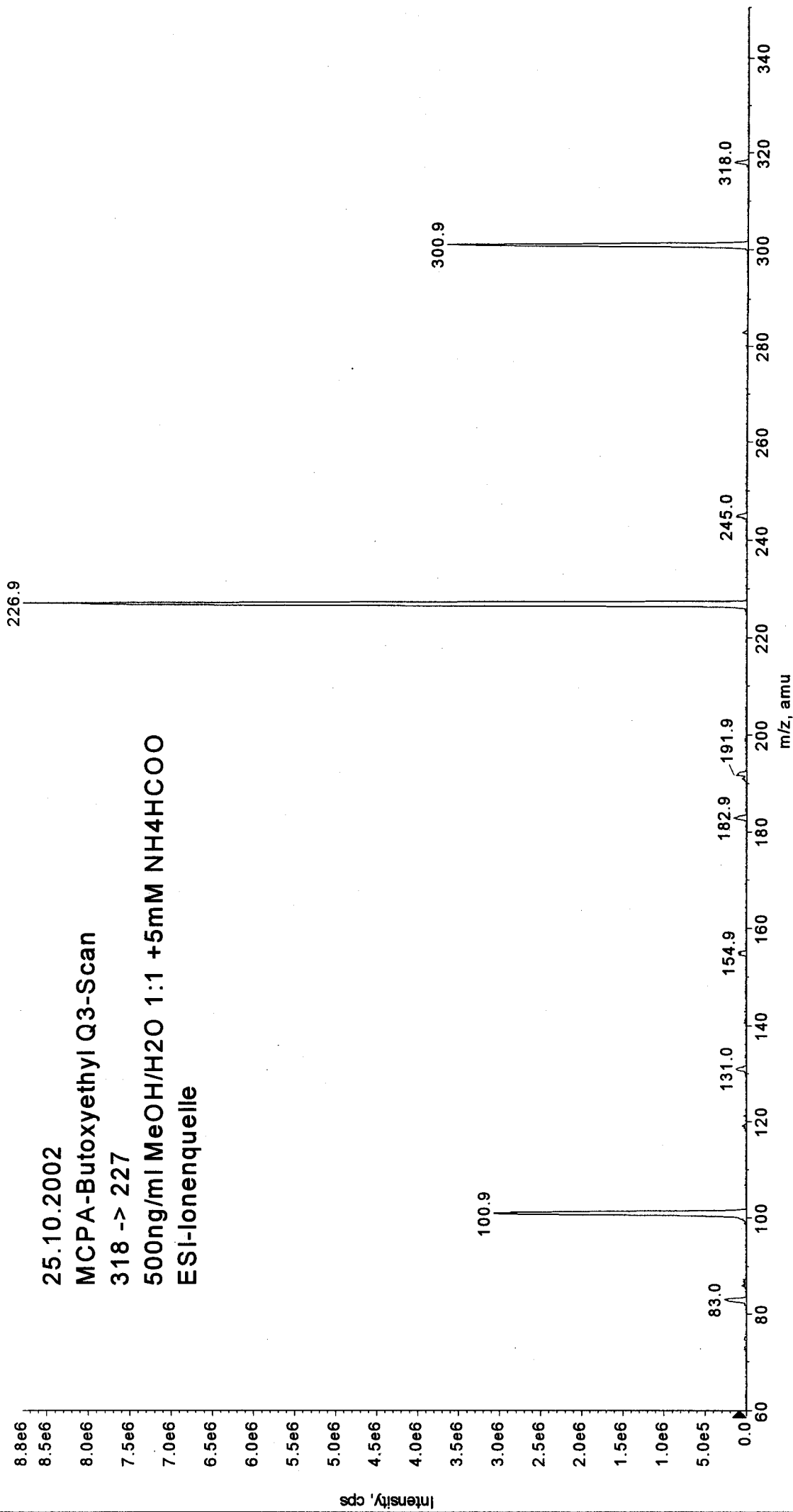
6469.1

6491.1

6

■ +Product (318.0): 30 MCA scans from MT20021025111355.wiff

Max. 8.8e6 cps



Printing Time: 15:11:25
Printing Date: Tuesday, November 23, 2004

Acq. Time: 15:10
Acq. Date: Tuesday, November 23, 2004
Acq. File: MT20041123151010.wiff

Sample Comment:
Sample Name: TuneSampleID
Batch Name: ManualTune.bat

■ +MS2 (318.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20041123151010.wiff (Turbo Spray) Max. 1.1e5 cps

