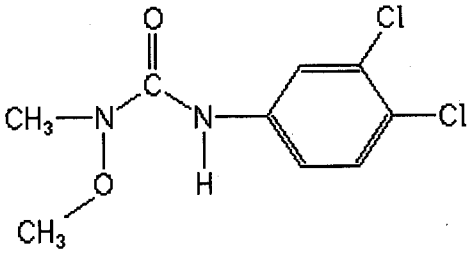
Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

Analyte: Linuron

CAS No.: 330-55-2
Formula: C9H10Cl2N2O2
Molecular mass (lowest isotopes): 248,01 amu

Structure:



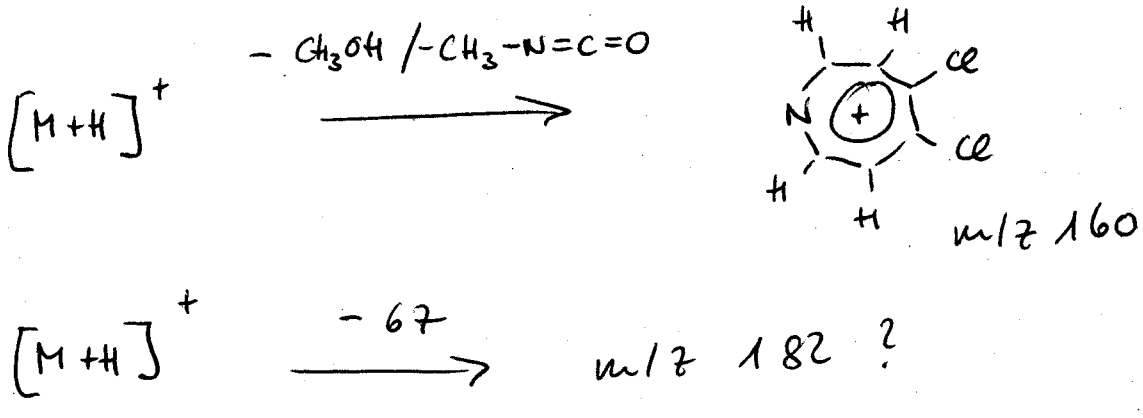
Ionisation: ESI + Quasimolecular ion: 249,0 amu = [M+H]+

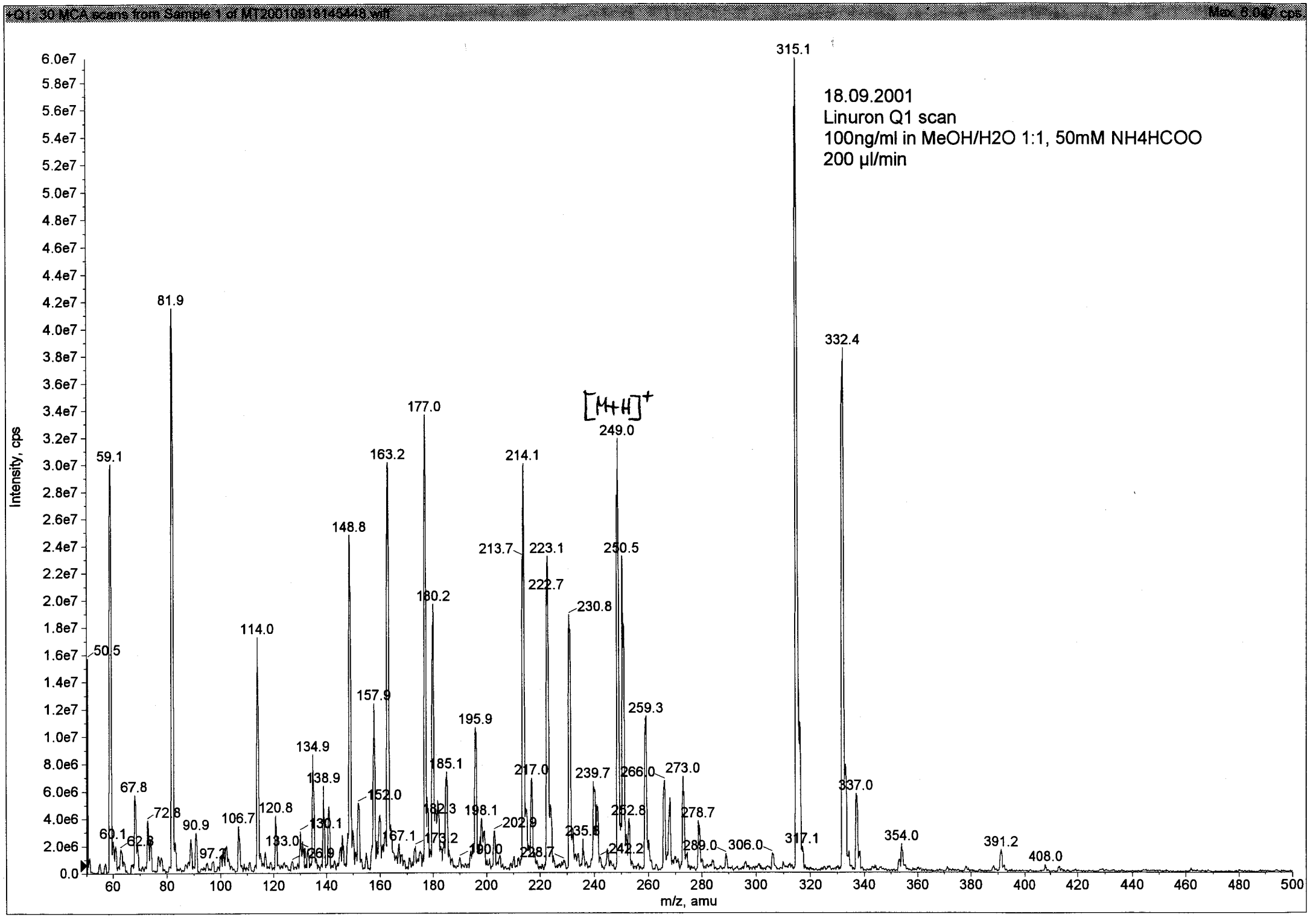
Analyte sensitive parameter set (API 2000)

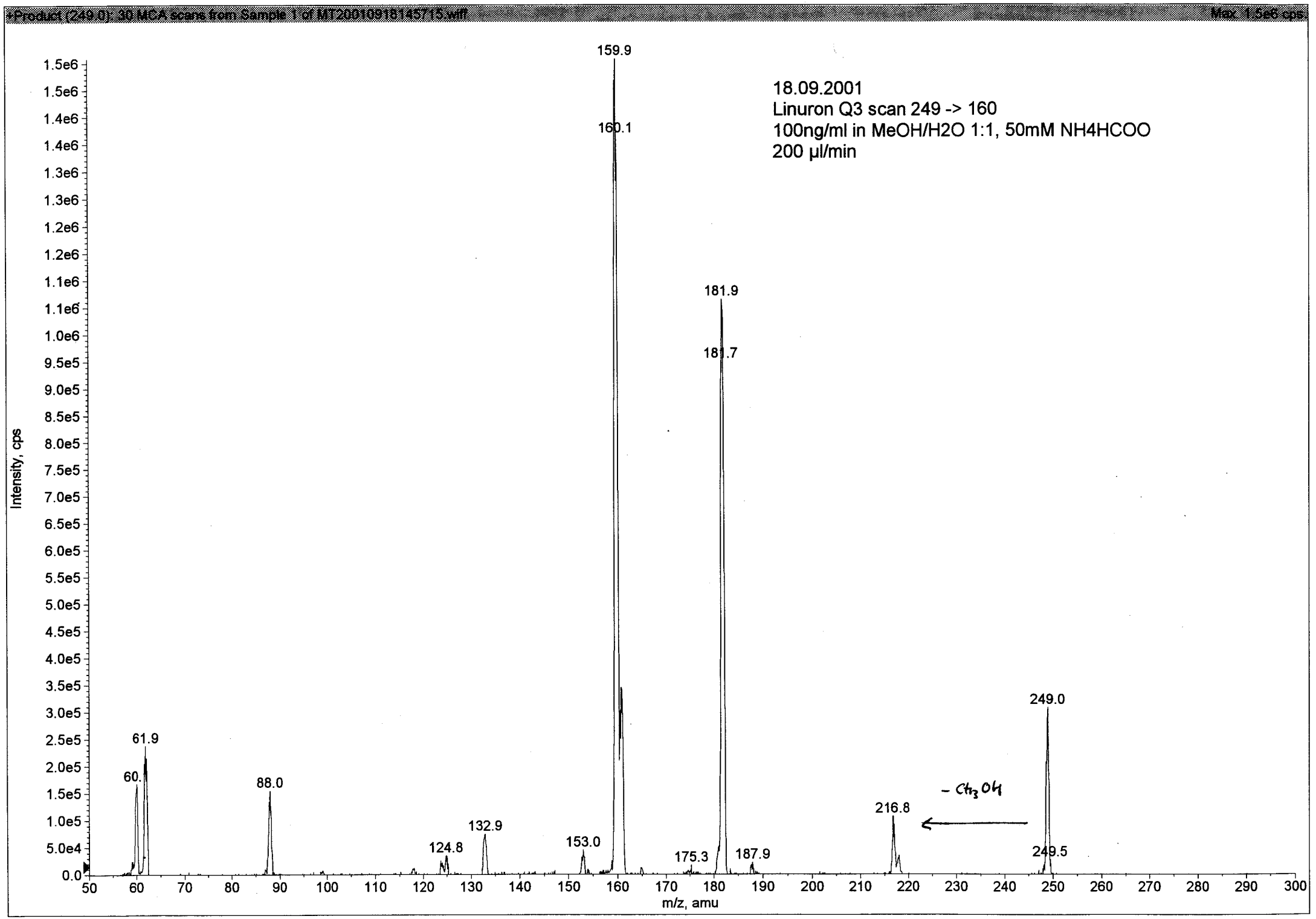
Transition	249,0 → 159,9	249,0 → 181,9
Declustering potential (DP)*)	69 V	69 V
Focusing potential (FP)	350 V	350 V
Entrance potential (EP)	10,0 V	10,0 V
Collision cell entrance potential (CEP)	18 V	18 V
Collision energy (CE)	23 V	21 V
Collision cell exit potential (CXP)	8 V	8 V

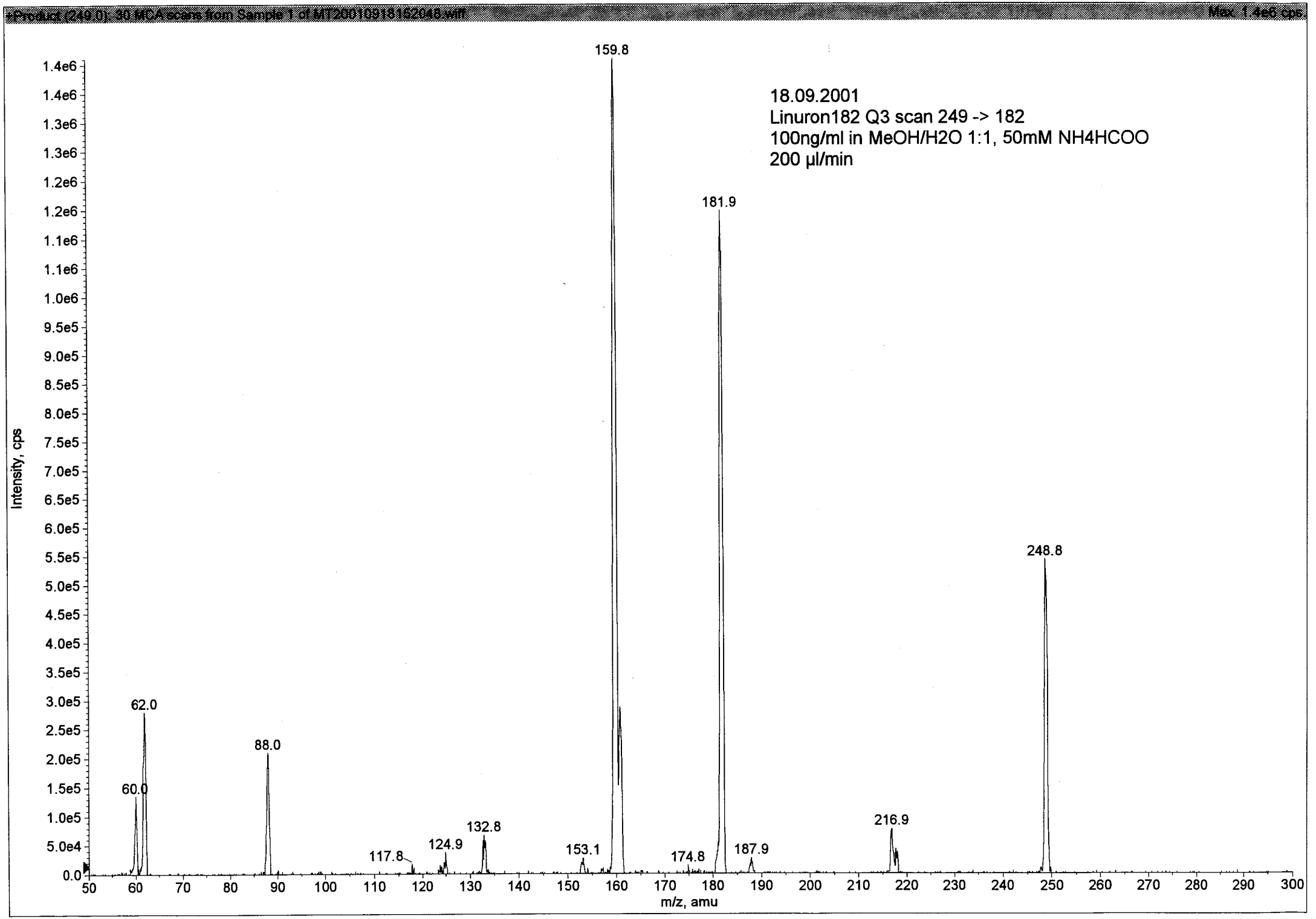
*) For API 3000 and 4000 enhance DP by 20V

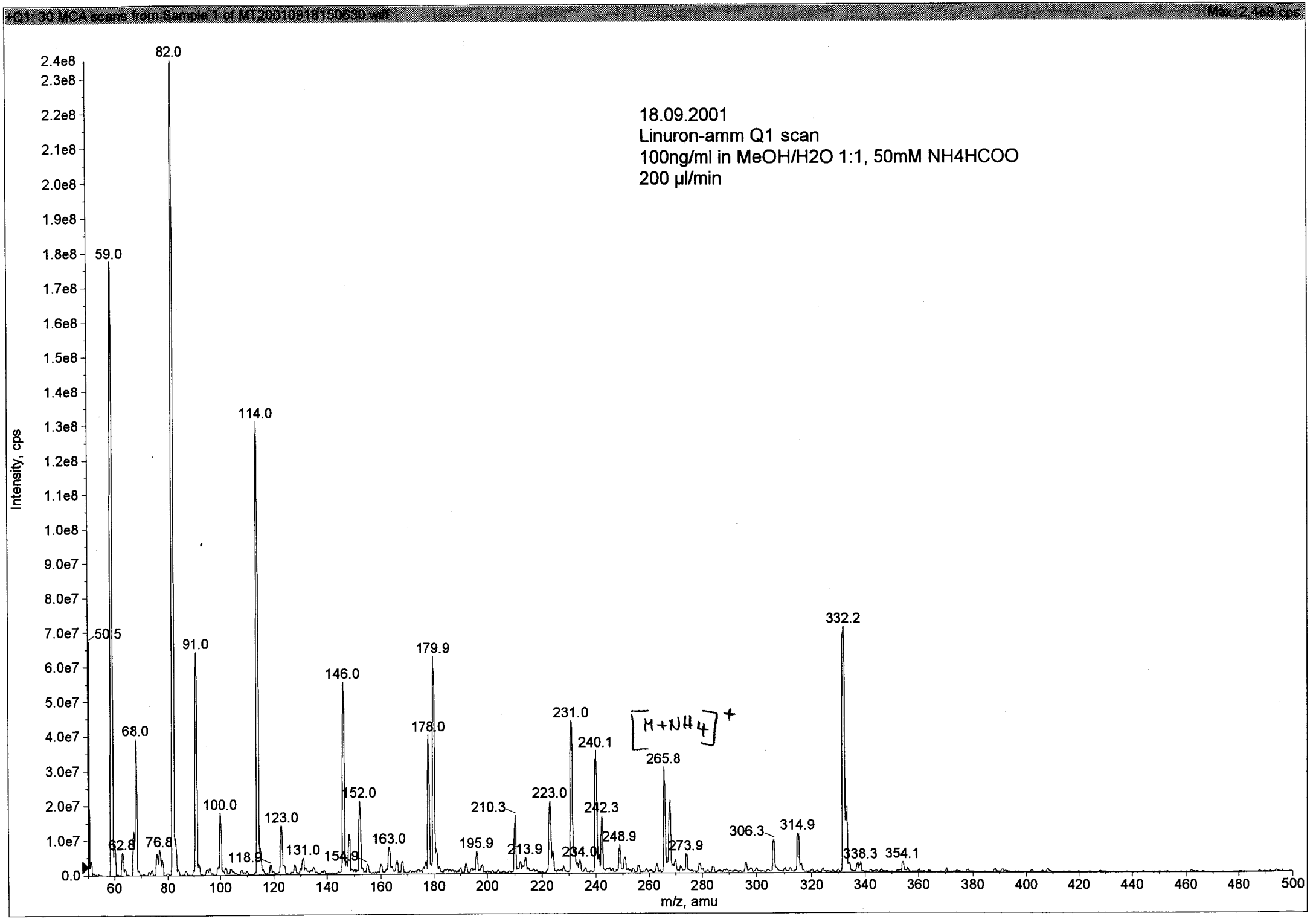
Fragmentation

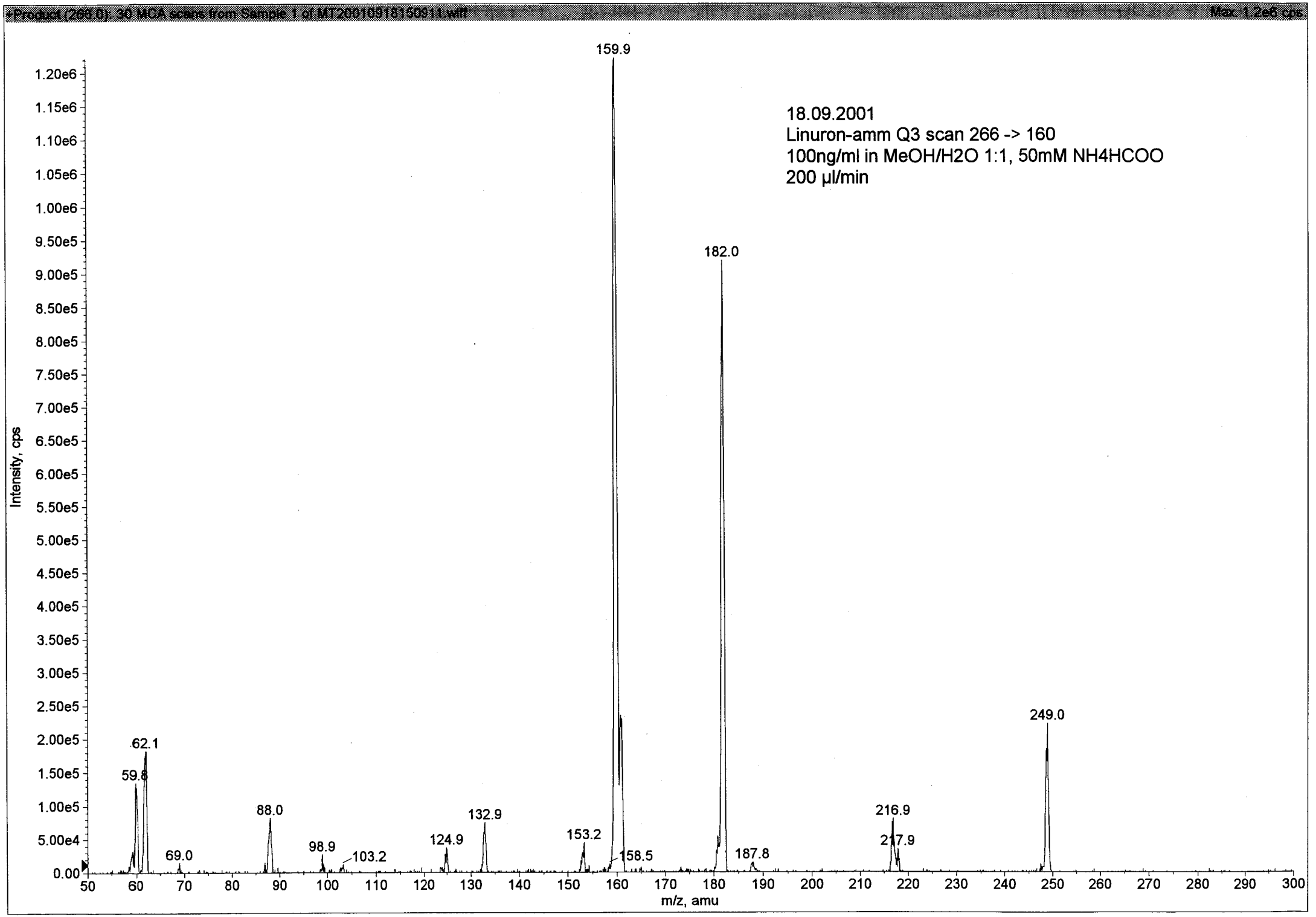



+Q1: 30 MCA scans from Sample 1 of MT20010918143448.wiff
Max. 6.047 cps.
18.09.2001
Linuron Q1 scan
100ng/ml in MeOH/H2O 1:1, 50mM NH4HCOO
200 µl/min
[M+H]+
Intensity, cps
m/z, amu
315.1
332.4
249.0
81.9
177.0
163.2
214.1
59.1
148.8
213.7
223.1
250.5
222.7
230.8
180.2
114.0
50.5
157.9
259.3
195.9
134.9
185.1
138.9
217.0
239.7
266.0
273.0
67.8
152.0
337.0
72.8
120.8
198.1
278.7
90.9
106.7
130.1
202.9
252.8
60.1
62.8
133.0
167.1
173.2
235.8
289.0
306.0
317.1
354.0
391.2
408.0
97.2
242.2
228.7


+Product (249.0): 30 MCA scans from Sample 1 of MT20010918145715.wiff
Max 1.5e6 cps
18.09.2001
Linuron Q3 scan 249 -> 160
100ng/ml in MeOH/H2O 1:1, 50mM NH4HCOO
200 µl/min
159.9
160.1
181.9
181.7
249.0
249.5
61.9
60.
88.0
124.8
132.9
153.0
175.3
187.9
216.8
- CH3OH
Intensity, cps
m/z, amu


+Product (249.0): 30 MCA scans from Sample 1 of MT20010918152048.wiff
Max. 1.4e6 cps.
18.09.2001
Linuron182 Q3 scan 249 -> 182
100ng/ml in MeOH/H2O 1:1, 50mM NH4HCOO
200 µl/min
159.8
181.9
248.8
62.0
88.0
60.0
132.8
124.9
117.8
153.1
174.8
187.9
216.9
Intensity, cps
m/z, amu


+Q1: 30 MCA scans from Sample 1 of MT20010918150630.wiff
Max 2.4e8 cps
18.09.2001
Linuron-amm Q1 scan
100ng/ml in MeOH/H2O 1:1, 50mM NH4HCOO
200 µl/min
Intensity, cps
m/z, amu
[M+NH4]+
82.0
59.0
114.0
50.5
91.0
179.9
146.0
68.0
178.0
231.0
240.1
265.8
332.2
152.0
223.0
210.3
242.3
100.0
123.0
248.9
306.3
314.9
62.8
76.8
118.9
131.0
154.9
163.0
195.9
213.9
234.0
273.9
338.3
354.1


Product (266.0): 30 MCA scans from Sample 1 of MT20010918150911.wiff
Max. 1.2e6 cps.
18.09.2001
Linuron-amm Q3 scan 266 -> 160
100ng/ml in MeOH/H2O 1:1, 50mM NH4HCOO
200 µl/min
Intensity, cps
m/z, amu
159.9
182.0
249.0
62.1
59.8
88.0
69.0
98.9
103.2
124.9
132.9
153.2
158.5
187.8
216.9
217.9