

Supporting Information

SYNTHESIS AND BIOLOGICAL ACTIVITY OF AMINOISOQUINOLINE SCHIFF BASE

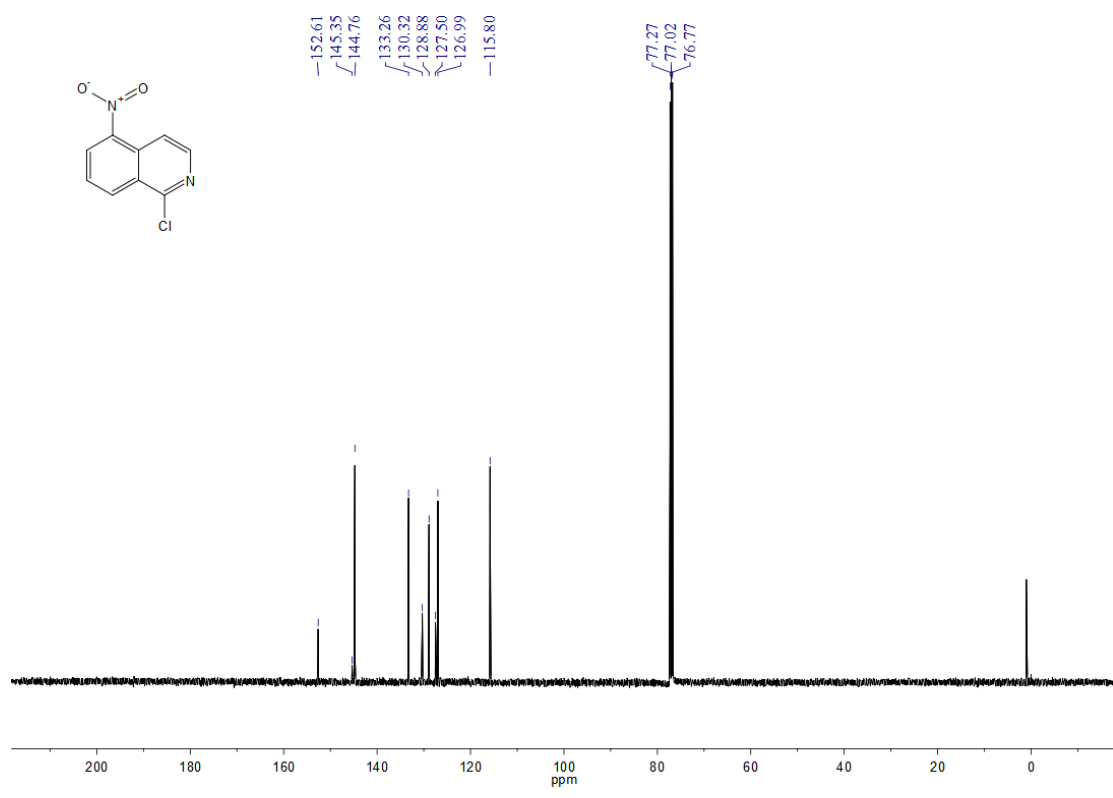
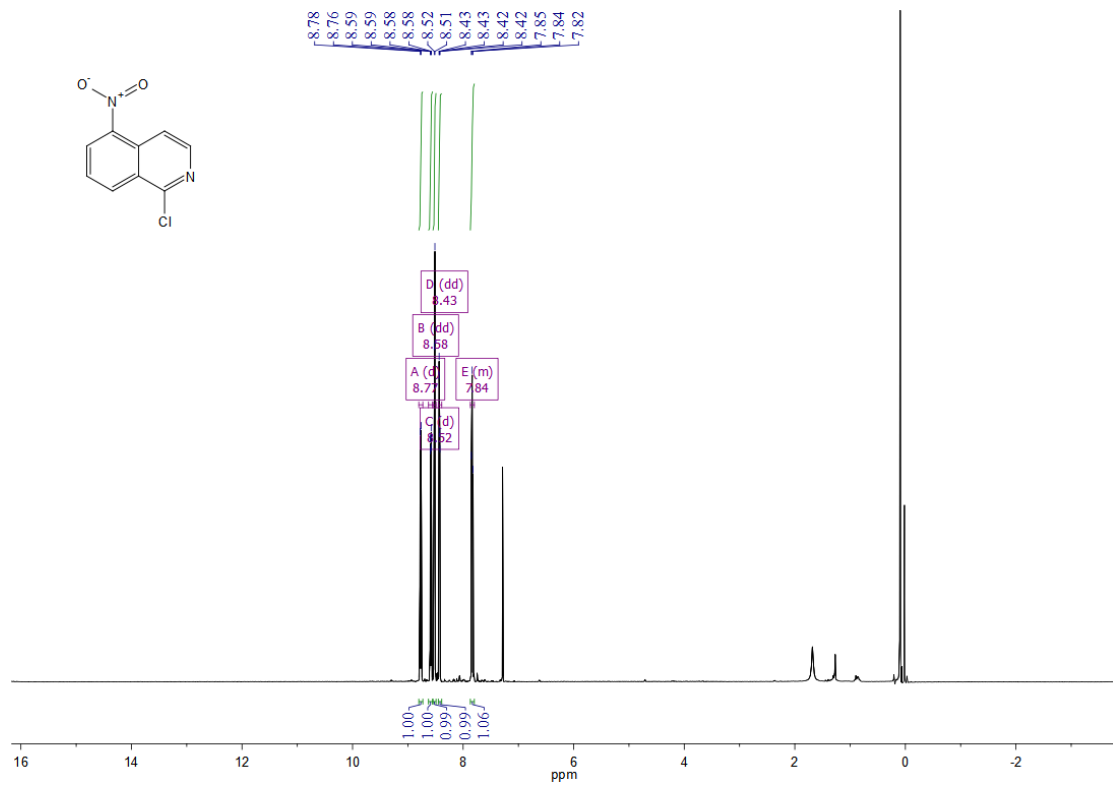
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Compound 1



Single Mass Analysis

Tolerance = 20.0 PPM / DBE: min = -1.5, max = 50.0

Element prediction: Off

Number of isotope peaks used for i-FIT = 3

Monoisotopic Mass, Even Electron Ions

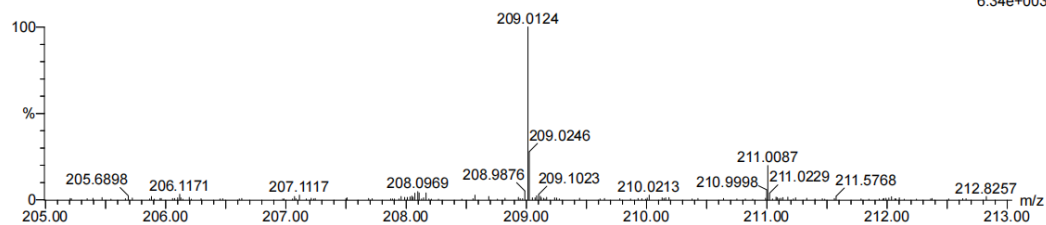
152 formula(e) evaluated with 1 results within limits (up to 50 closest results for each mass)

Elements Used:

C: 9-9 H: 6-6 N: 0-8 O: 0-20 Cl: 1-4

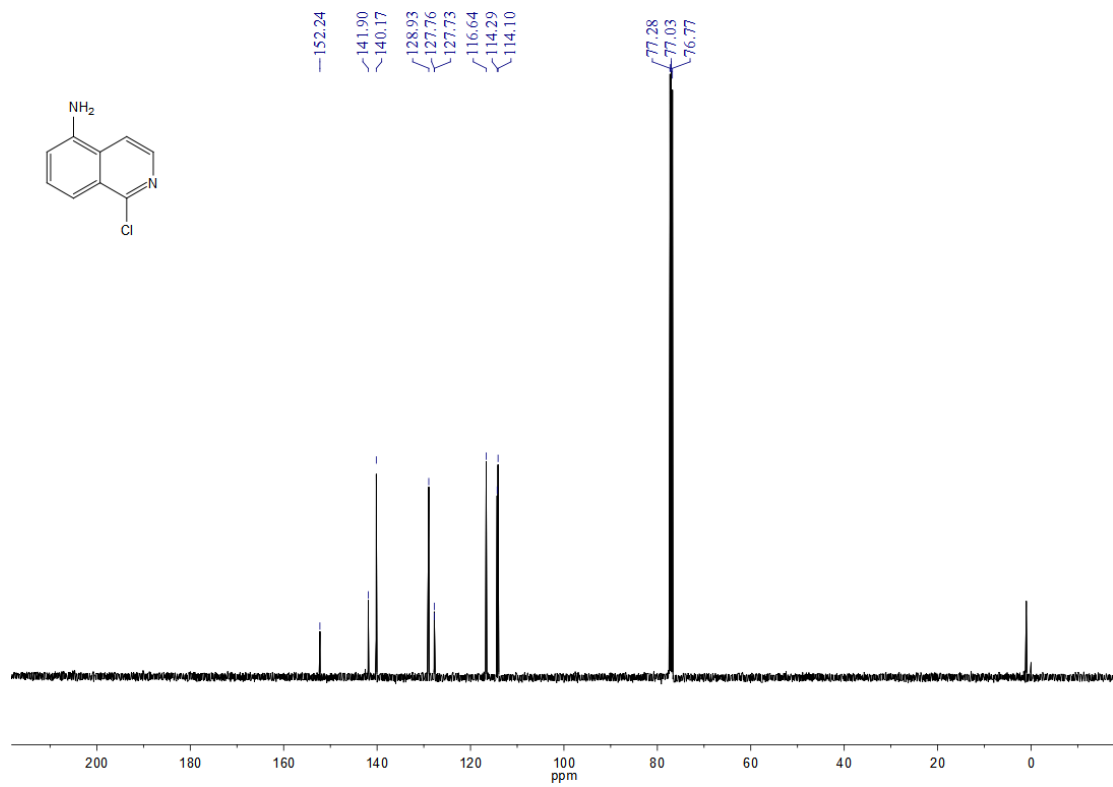
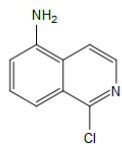
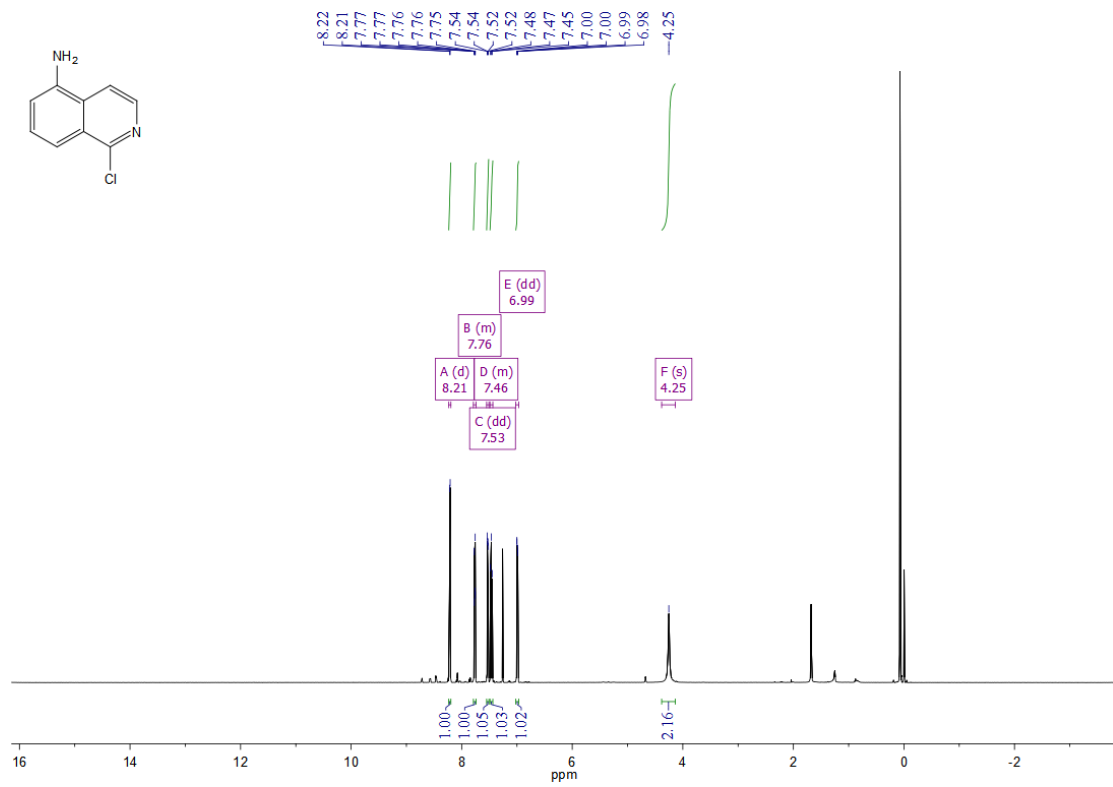
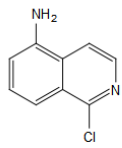
5

0729-5-14 39 (0.262)

1: TOF MS ES+
6.34e+003Minimum: -1.5
Maximum: 5.0 20.0 50.0

Mass	Calc. Mass	mDa	PPM	DBE	i-FIT	Norm	Conf (%)	Formula
209.0124	209.0118	0.6	2.9	7.5	405.3	n/a	n/a	C9 H6 N2 O2 Cl

Compound 2



Single Mass Analysis

Tolerance = 20.0 PPM / DBE: min = -1.5, max = 50.0

Element prediction: Off

Number of isotope peaks used for i-FIT = 3

Monoisotopic Mass, Even Electron Ions

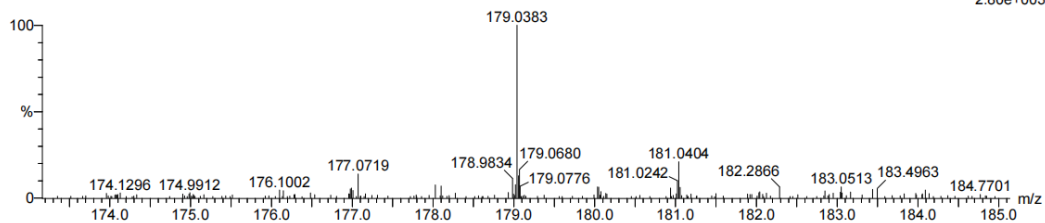
107 formula(e) evaluated with 1 results within limits (up to 50 closest results for each mass)

Elements Used:

C: 9-9 H: 8-8 N: 0-8 O: 0-20 Cl: 1-4

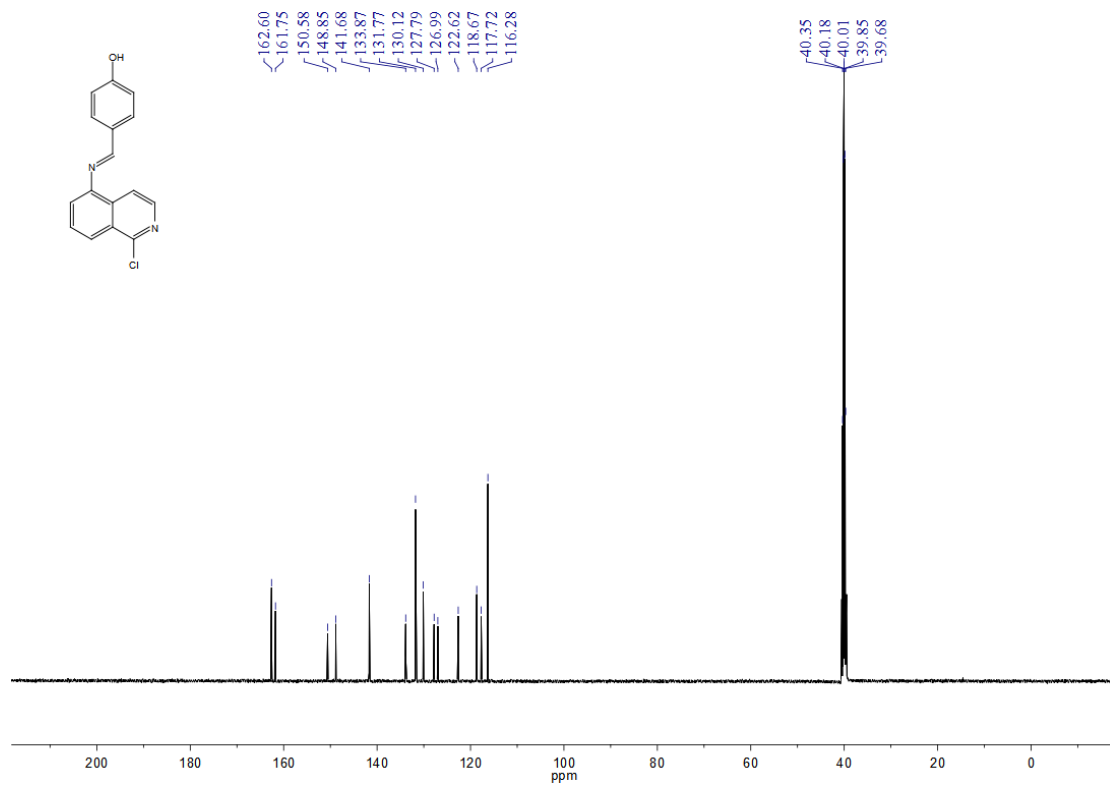
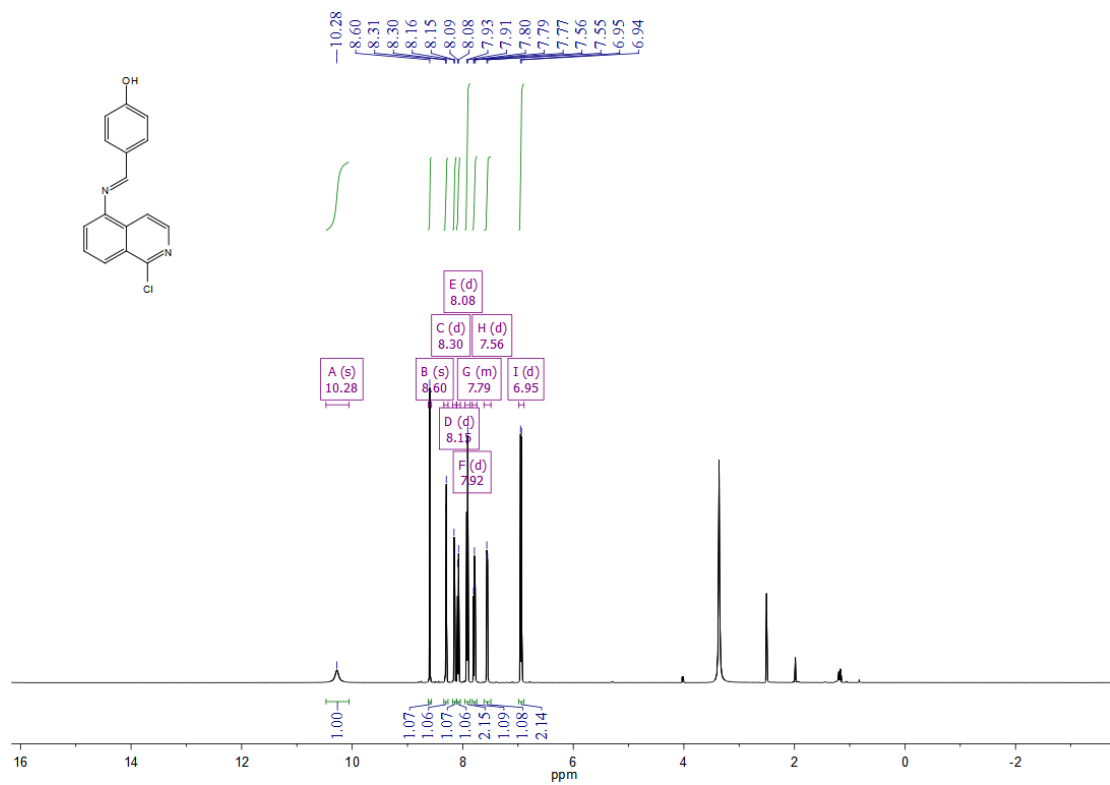
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0729-5-13 36 (0.246)

1: TOF MS ES+
2.80e+003Minimum: -1.5
Maximum: 5.0 20.0 50.0

Mass	Calc. Mass	mDa	PPM	DBE	i-FIT	Norm	Conf(%)	Formula
179.0383	179.0376	0.7	3.9	6.5	337.2	n/a	n/a	C9 H8 N2 Cl

Compound 3a



Single Mass Analysis

Tolerance = 20.0 PPM / DBE: min = -1.5, max = 50.0

Element prediction: Off

Number of isotope peaks used for i-FIT = 3

Monoisotopic Mass, Even Electron Ions

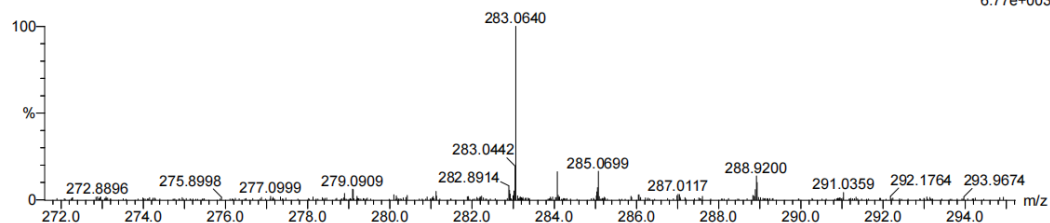
318 formula(e) evaluated with 1 results within limits (up to 50 closest results for each mass)

Elements Used:

C: 16-16 H: 12-12 N: 0-8 O: 0-20 Cl: 1-4

5

0729-5-1 63 (0.412)

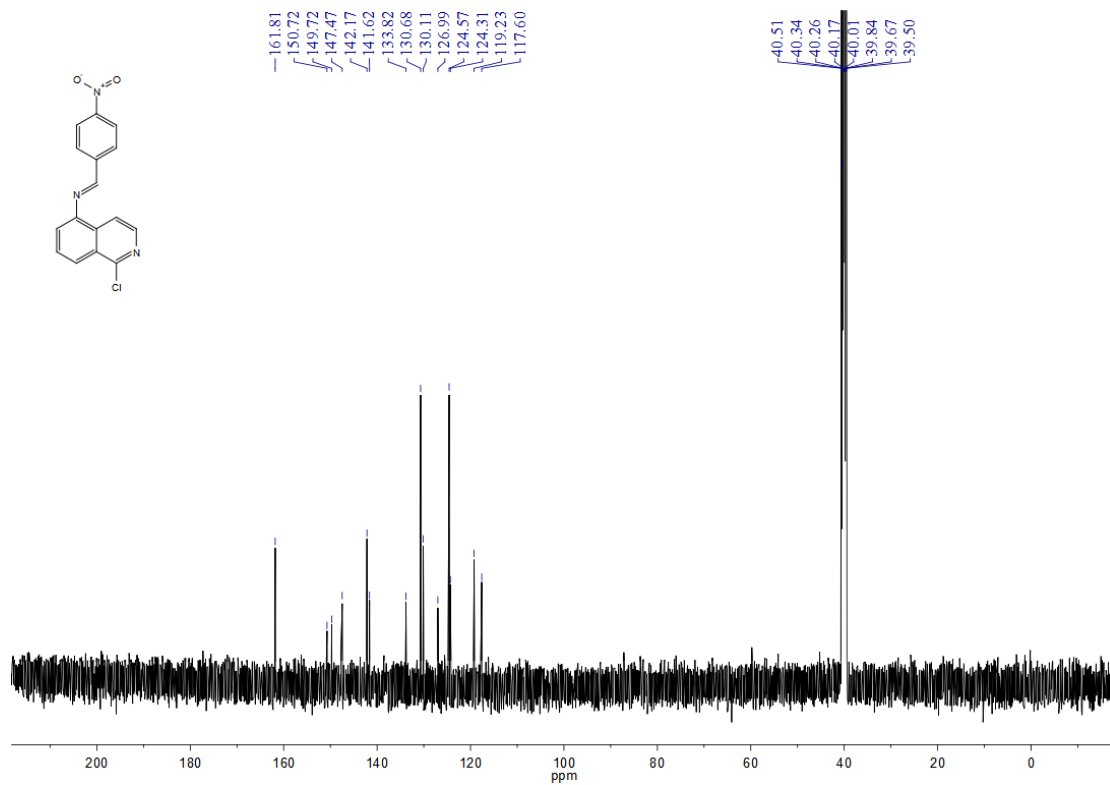
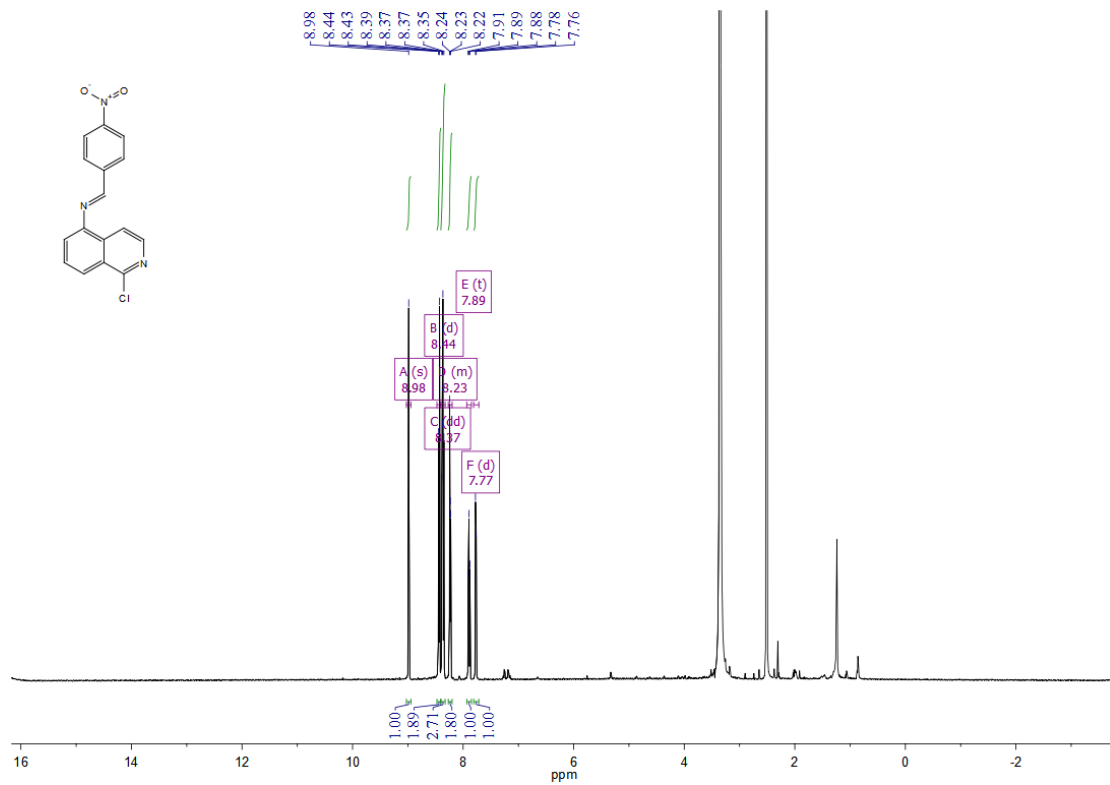
1: TOF MS ES+
6.77e+003

Minimum:

Maximum: 5.0 20.0 -1.5
50.0

Mass	Calc. Mass	mDa	PPM	DBE	i-FIT	Norm	Conf (%)	Formula
283.0640	283.0638	0.2	0.7	11.5	428.9	n/a	n/a	C16 H12 N2 O Cl

Compound 3b



Elemental Composition Report

Page 1

Single Mass Analysis

Tolerance = 20.0 PPM / DBE: min = -1.5, max = 50.0

Element prediction: Off

Number of isotope peaks used for i-FIT = 3

Monoisotopic Mass, Even Electron Ions

366 formula(e) evaluated with 1 results within limits (up to 50 closest results for each mass)

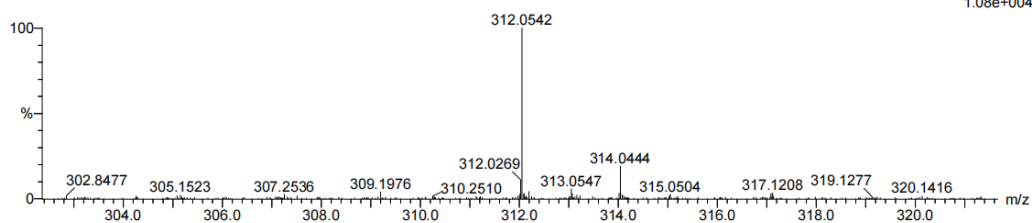
Elements Used:

C: 16-16 H: 11-11 N: 0-8 O: 0-20 Cl: 1-4

5

0729-5-2 71 (0.462)

1: TOF MS ES+
1.08e+004

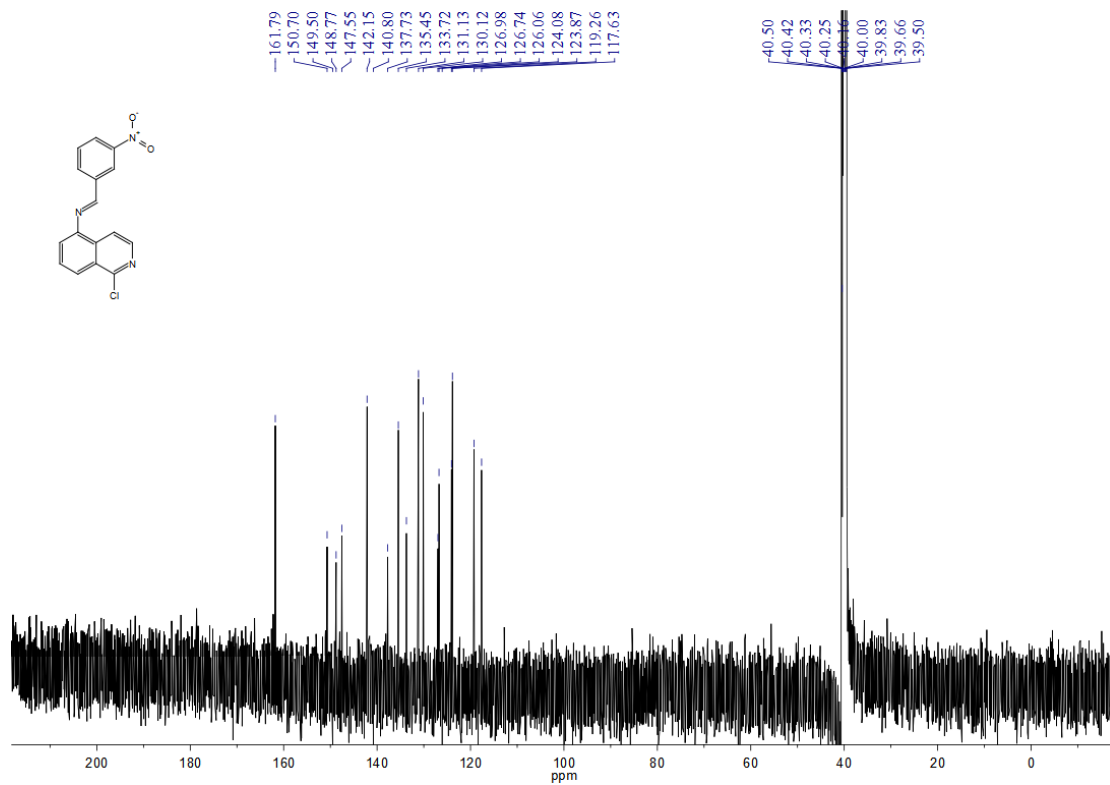
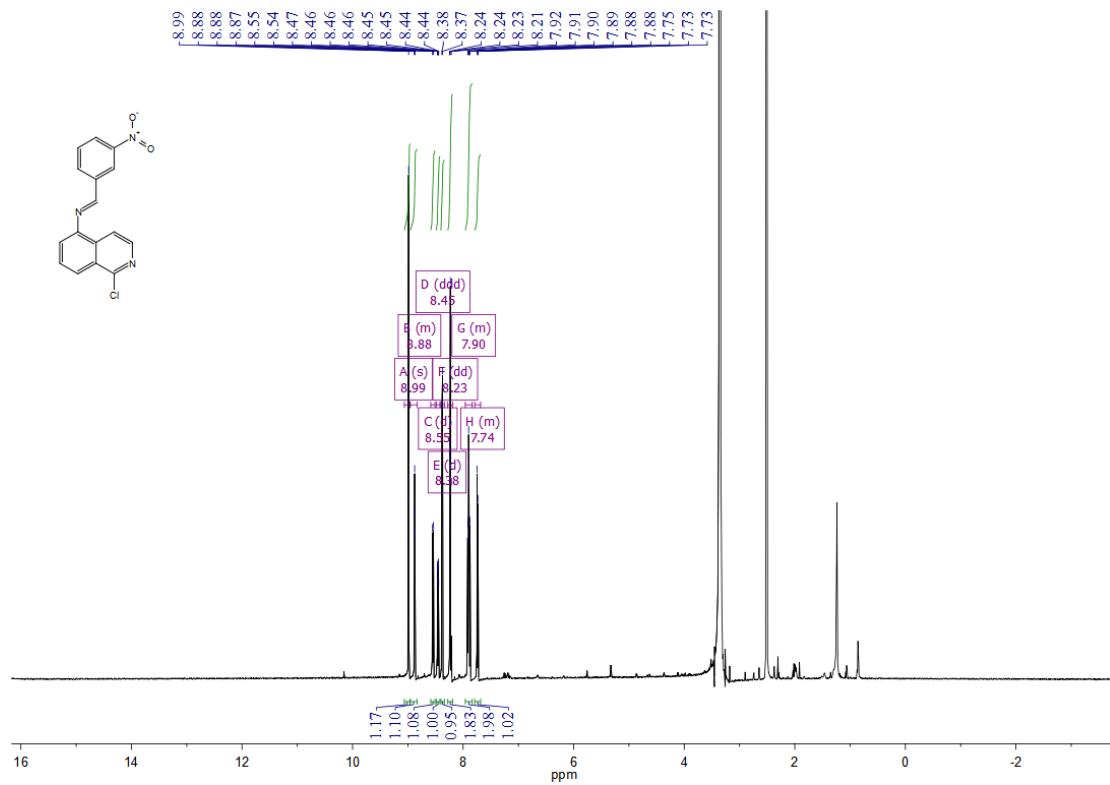


Minimum:

Maximum: 5.0 20.0 -1.5 50.0

Mass	Calc. Mass	mDa	PPM	DBE	i-FIT	Norm	Conf (%)	Formula
312.0542	312.0540	0.2	0.6	12.5	427.1	n/a	n/a	C16 H11 N3 O2 Cl

Compound 3c



Elemental Composition Report

Single Mass Analysis

Tolerance = 20.0 PPM / DBE: min = -1.5, max = 50.0

Element prediction: Off

Number of isotope peaks used for i-FIT = 3

Monoisotopic Mass, Even Electron Ions

366 formula(e) evaluated with 1 results within limits (up to 50 closest results for each mass)

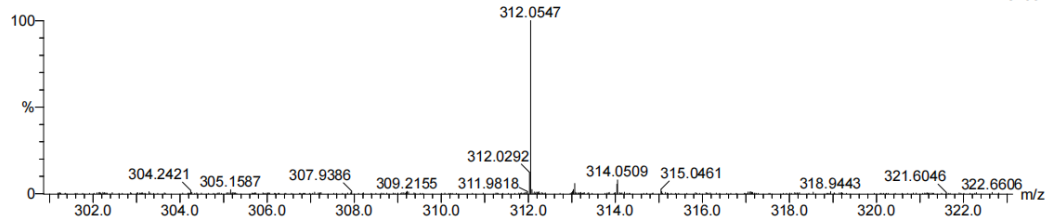
Elements Used:

C: 16-16 H: 11-11 N: 0-8 O: 0-20 Cl: 1-4

5

0729-5-3 67 (0.441)

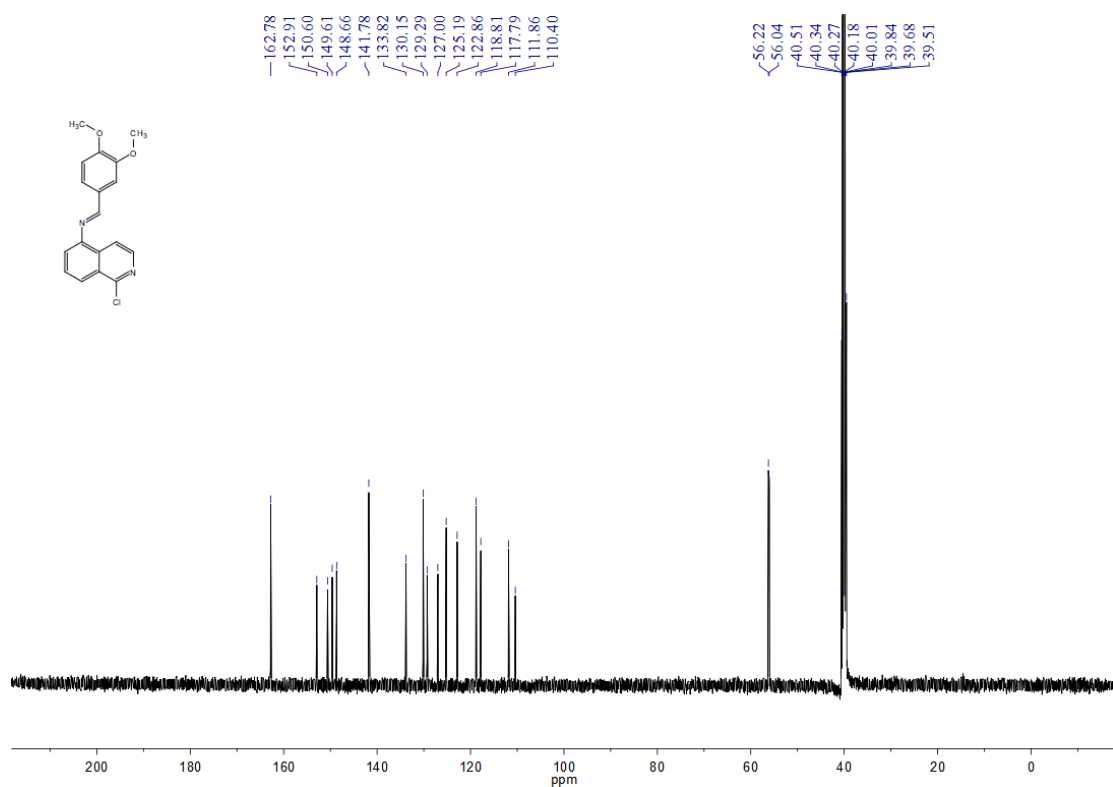
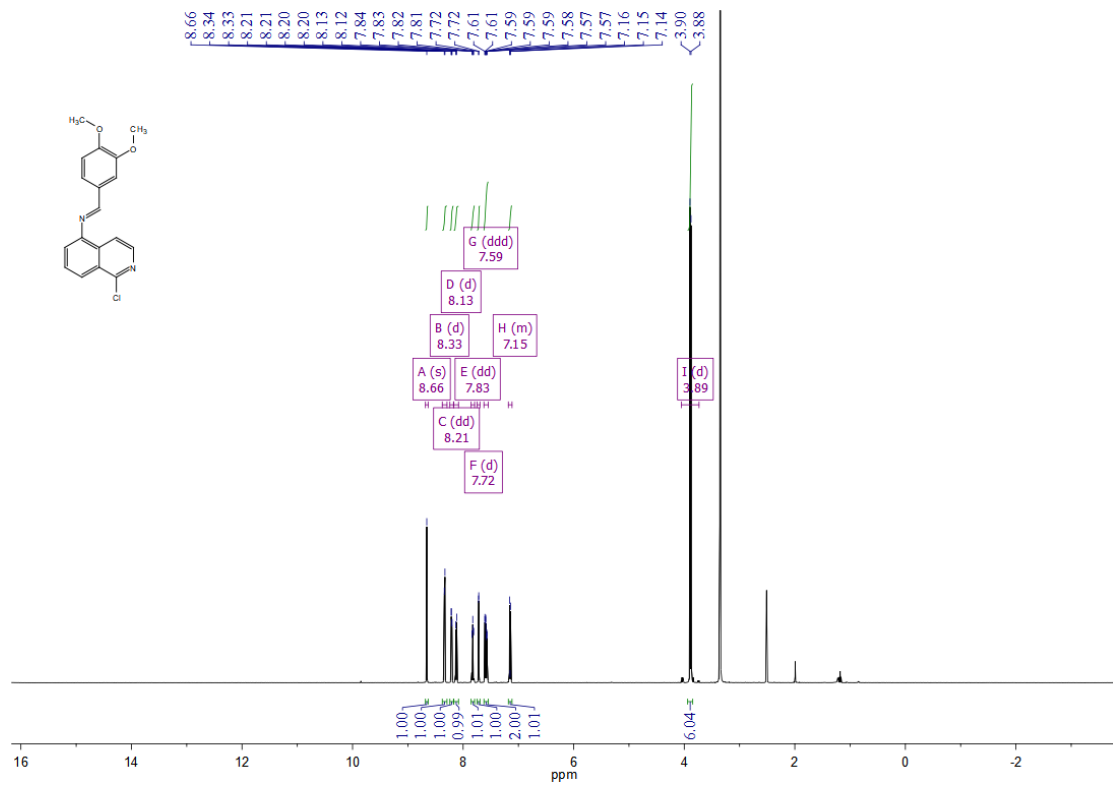
1: TOF MS ES+
2.12e+004



Minimum: -1.5
Maximum: 50.0

Mass	Calc. Mass	mDa	PPM	DBE	i-FIT	Norm	Conf (%)	Formula
312.0547	312.0540	0.7	2.2	12.5	433.5	n/a	n/a	C16 H11 N3 O2 C1

Compound 3d



Elemental Composition Report

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Single Mass Analysis

Tolerance = 20.0 PPM / DBE: min = -1.5, max = 50.0

Element prediction: Off

Number of isotope peaks used for i-FIT = 3

Monoisotopic Mass, Even Electron Ions

405 formula(e) evaluated with 1 results within limits (up to 50 closest results for each mass)

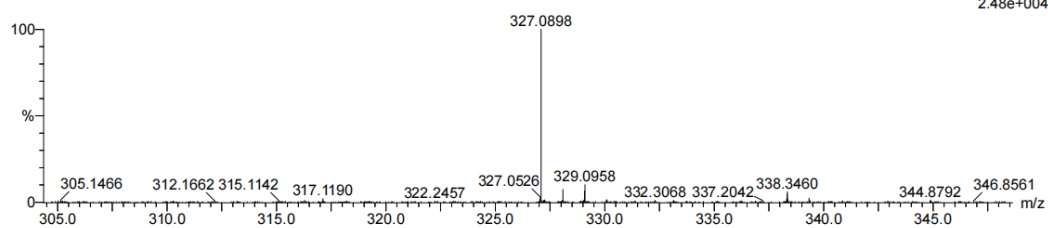
Elements Used:

C: 18-18 H: 16-16 N: 0-8 O: 0-20 Cl: 1-4

5

0729-5-4 78 (0.507)

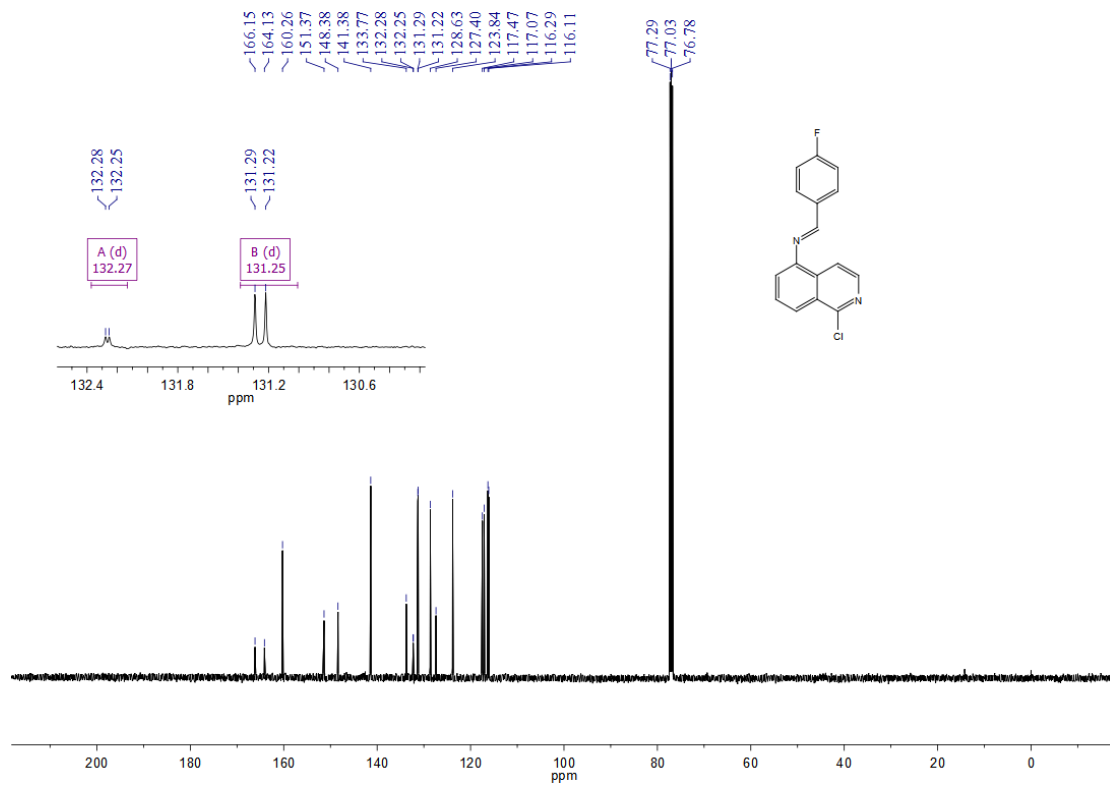
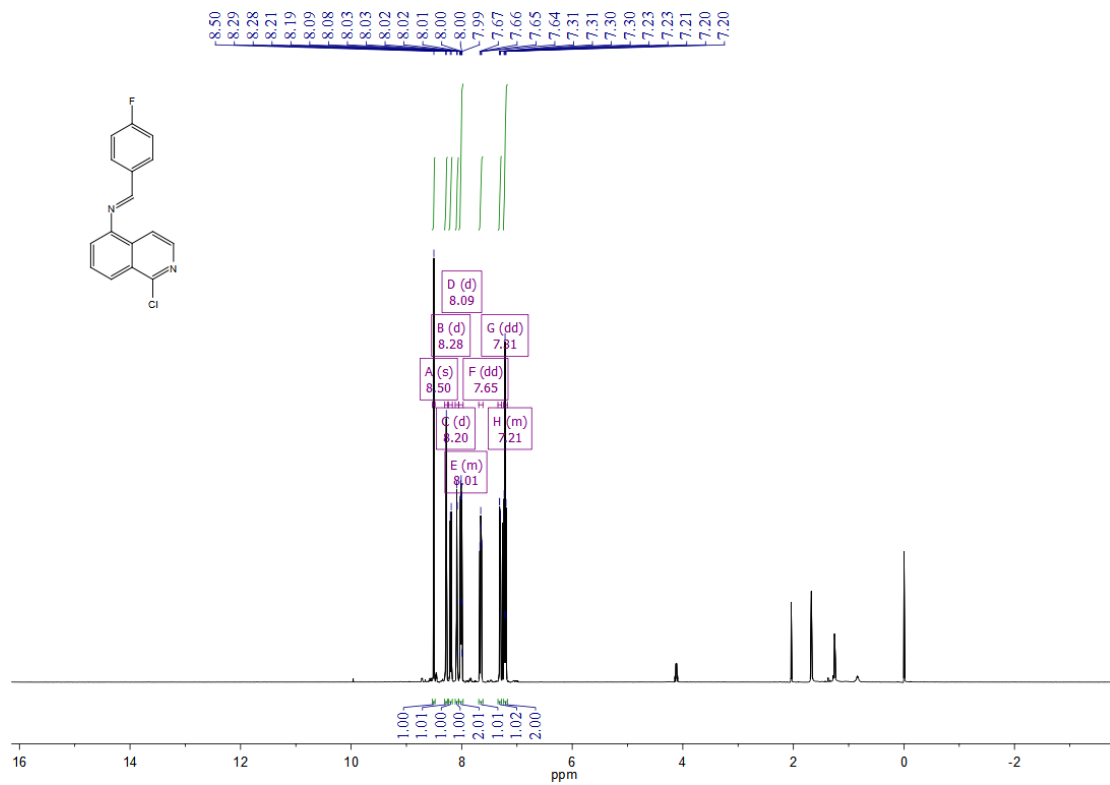
1: TOF MS ES+
2.48e+004



Minimum: -1.5
Maximum: 5.0 20.0 50.0

Mass	Calc. Mass	mDa	PPM	DBE	i-FIT	Norm	Conf (%)	Formula
327.0898	327.0900	-0.2	-0.6	11.5	454.9	n/a	n/a	C18 H16 N2 O2 Cl

Compound 3e



Single Mass Analysis

Tolerance = 20.0 PPM / DBE: min = -1.5, max = 50.0

Element prediction: Off

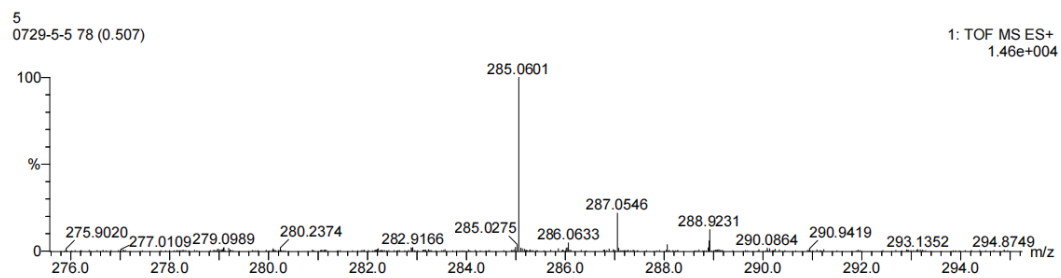
Number of isotope peaks used for i-FIT = 3

Monoisotopic Mass, Even Electron Ions

230 formula(e) evaluated with 1 results within limits (up to 50 closest results for each mass)

Elements Used:

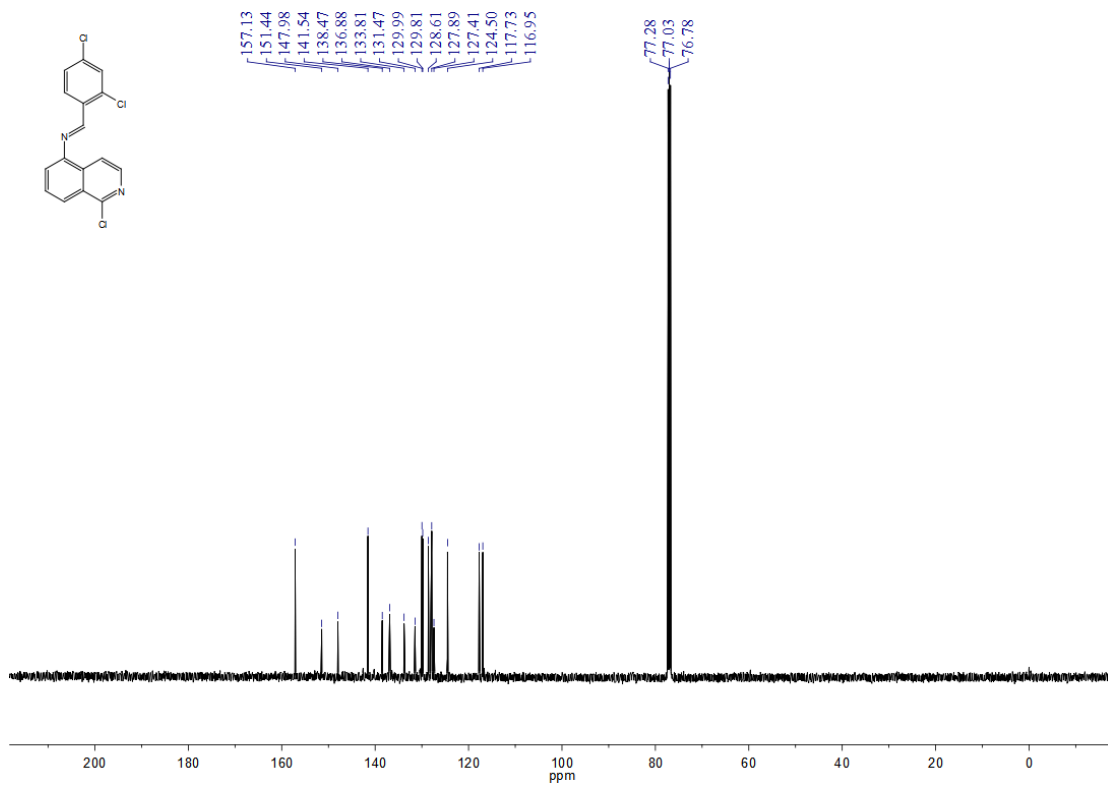
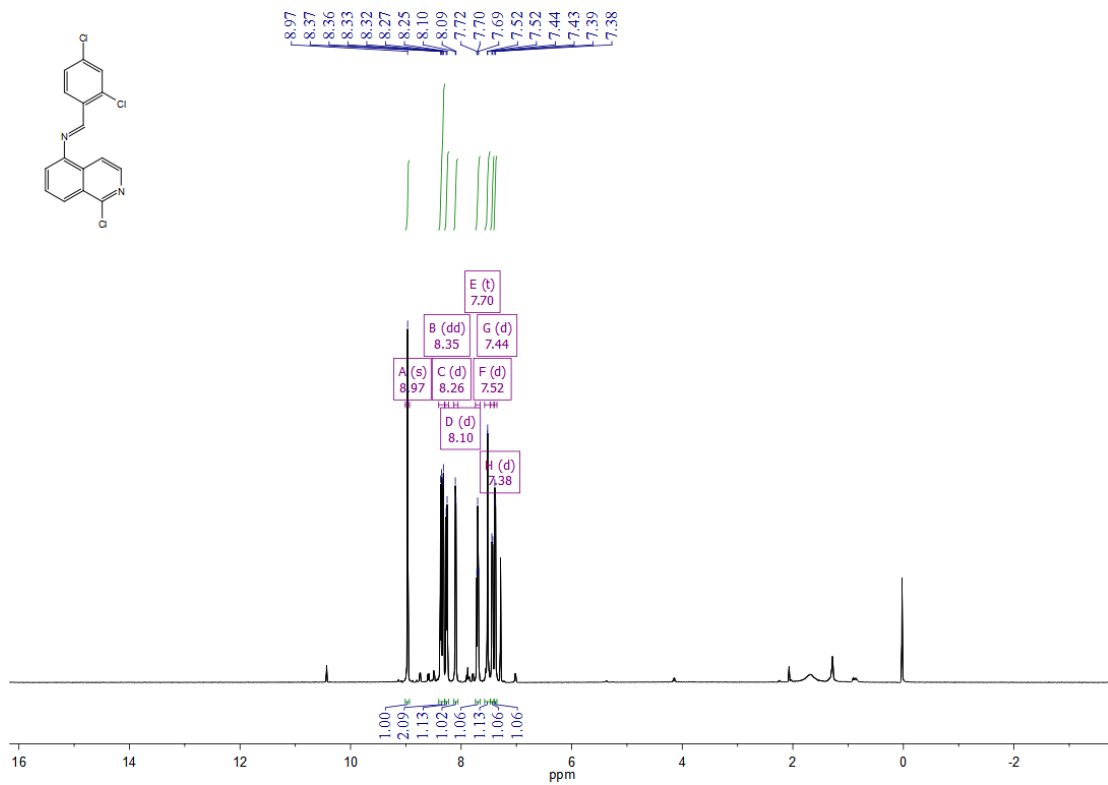
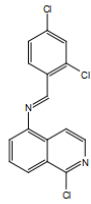
C: 16-16 H: 11-11 N: 0-8 Cl: 1-4 F: 1-9



Minimum: -1.5
Maximum: 50.0

Mass	Calc. Mass	mDa	PPM	DBE	i-FIT	Norm	Conf(%)	Formula
285.0601	285.0595	0.6	2.1	11.5	389.7	n/a	n/a	C16 H11 N2 C1 F

Compound 3f



Single Mass Analysis

Tolerance = 20.0 PPM / DBE: min = -1.5, max = 50.0

Element prediction: Off

Number of isotope peaks used for i-FIT = 3

Monoisotopic Mass, Even Electron Ions

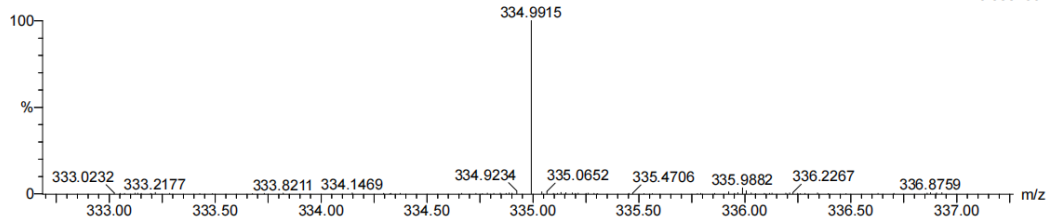
25 formula(e) evaluated with 1 results within limits (up to 50 closest results for each mass)

Elements Used:

C: 16-16 H: 10-10 N: 0-8 Cl: 1-4

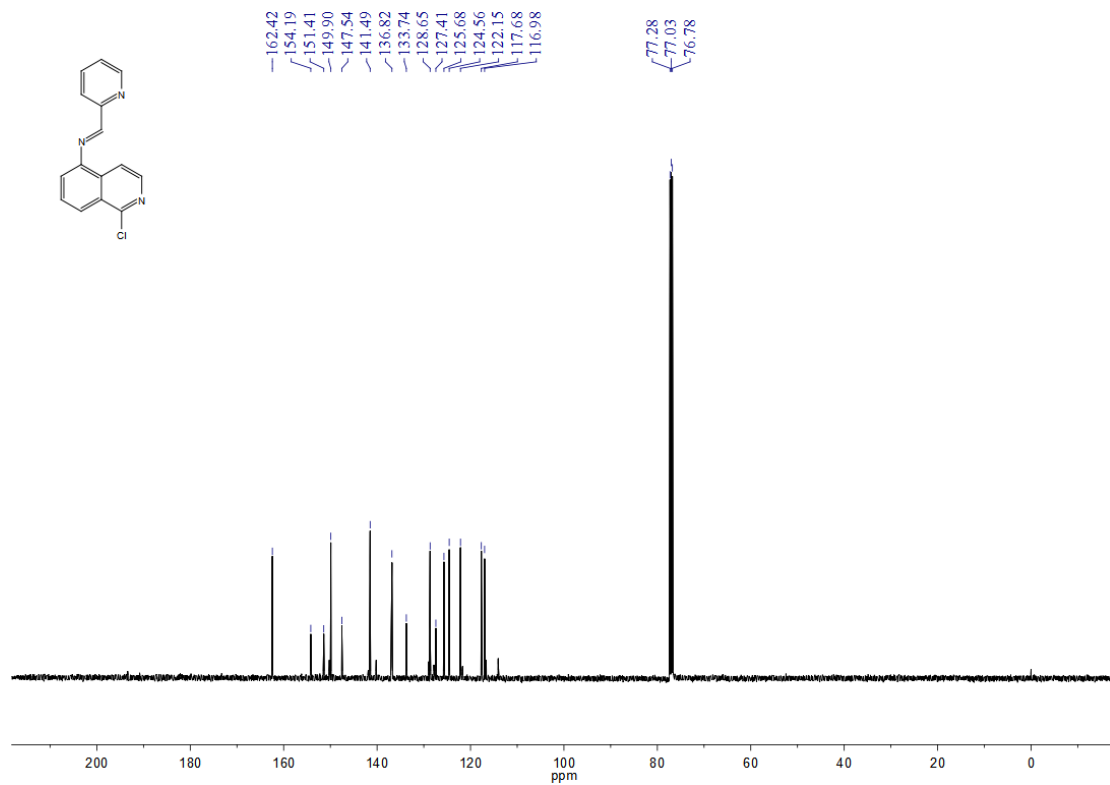
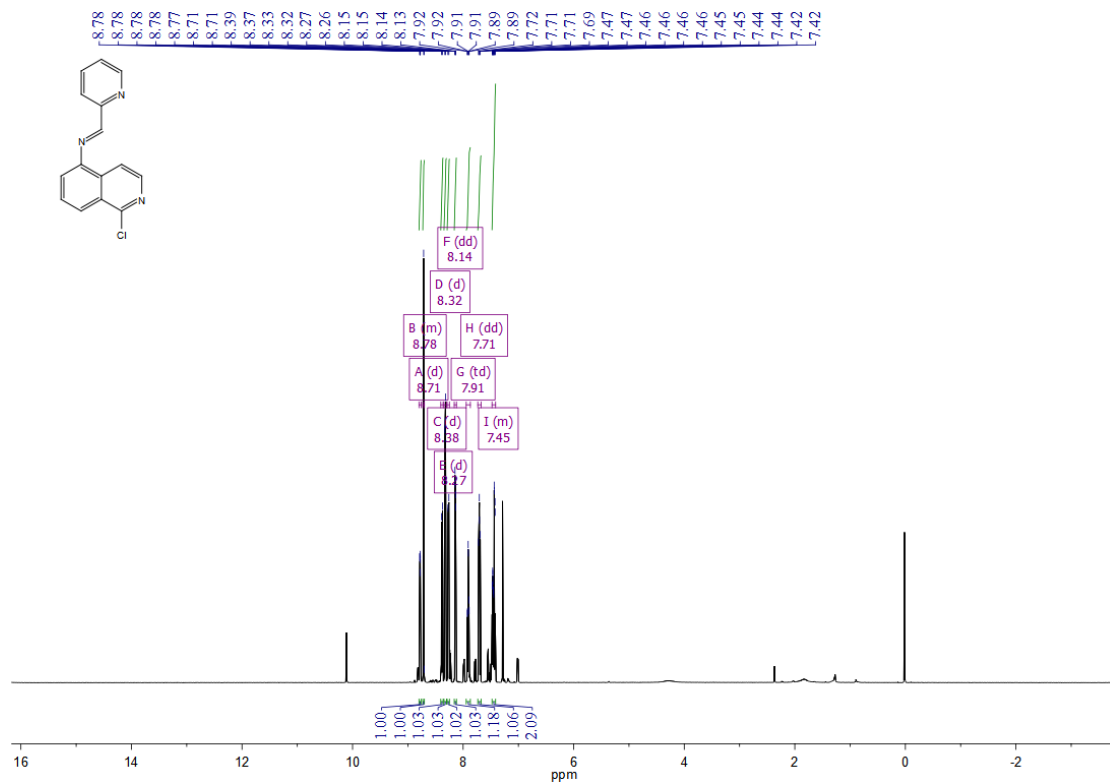
5

0729-5-6 110 (0.707)

1: TOF MS ES+
3.88e+004Minimum: -1.5
Maximum: 50.0

Mass	Calc. Mass	mDa	PPM	DBE	i-FIT	Norm	Conf (%)	Formula
334.9915	334.9910	0.5	1.5	11.5	410.8	n/a	n/a	C16 H10 N2 C13

Compound 3g



Single Mass Analysis

Tolerance = 20.0 PPM / DBE: min = -1.5, max = 50.0

Element prediction: Off

Number of isotope peaks used for i-FIT = 3

Monoisotopic Mass, Even Electron Ions

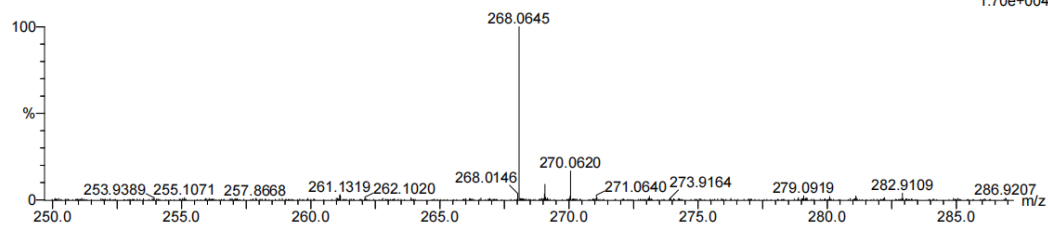
31 formula(e) evaluated with 1 results within limits (up to 50 closest results for each mass)

Elements Used:

C: 15-15 H: 11-11 N: 0-8 Cl: 1-4

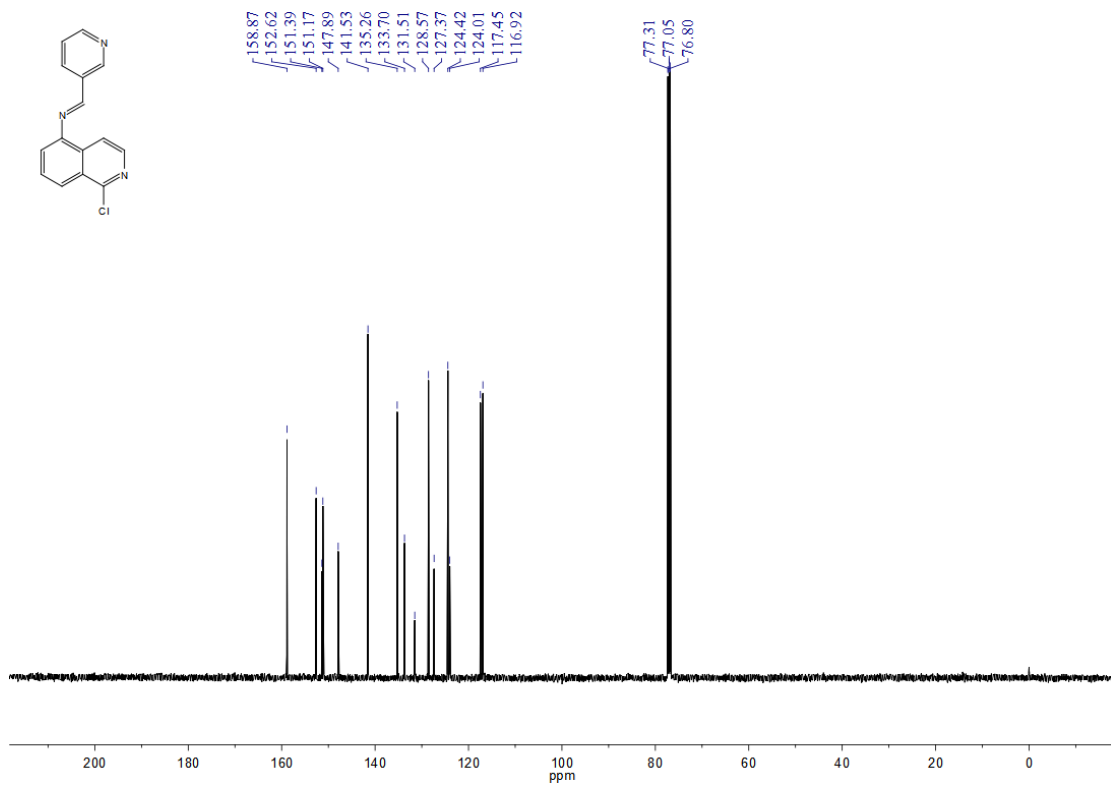
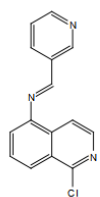
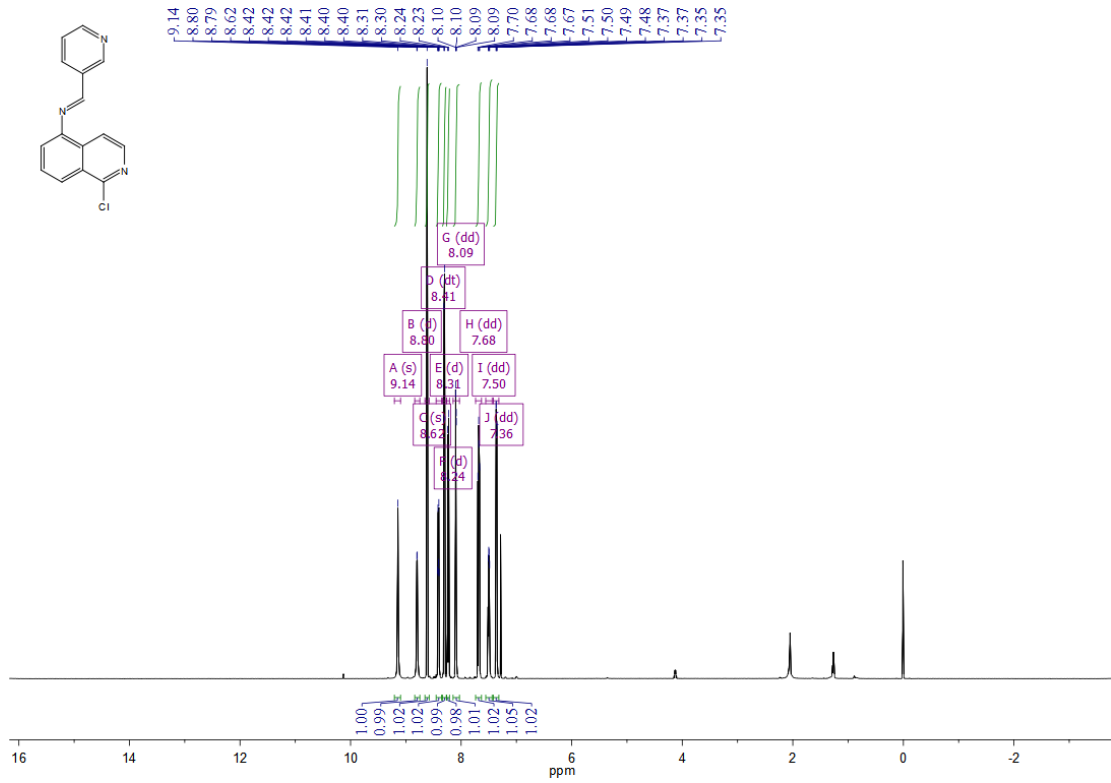
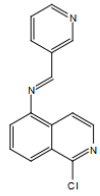
5

0729-5-8 62 (0.407)

1: TOF MS ES+
1.70e+004Minimum: -1.5
Maximum: 5.0 20.0 50.0

Mass	Calc. Mass	mDa	PPM	DBE	i-FIT	Norm	Conf(%)	Formula
268.0645	268.0642	0.3	1.1	11.5	458.2	n/a	n/a	C15 H11 N3 Cl

Compound 3h



Single Mass Analysis

Tolerance = 20.0 PPM / DBE: min = -1.5, max = 50.0

Element prediction: Off

Number of isotope peaks used for i-FIT = 3

Monoisotopic Mass, Even Electron Ions

31 formula(e) evaluated with 1 results within limits (up to 50 closest results for each mass)

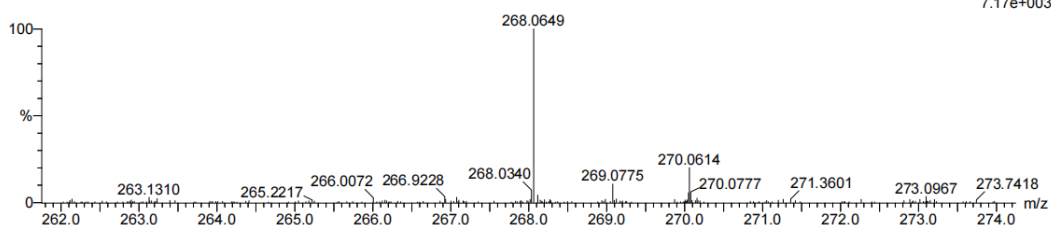
Elements Used:

C: 15-15 H: 11-11 N: 0-8 Cl: 1-4

5

0729-5-9 74 (0.486)

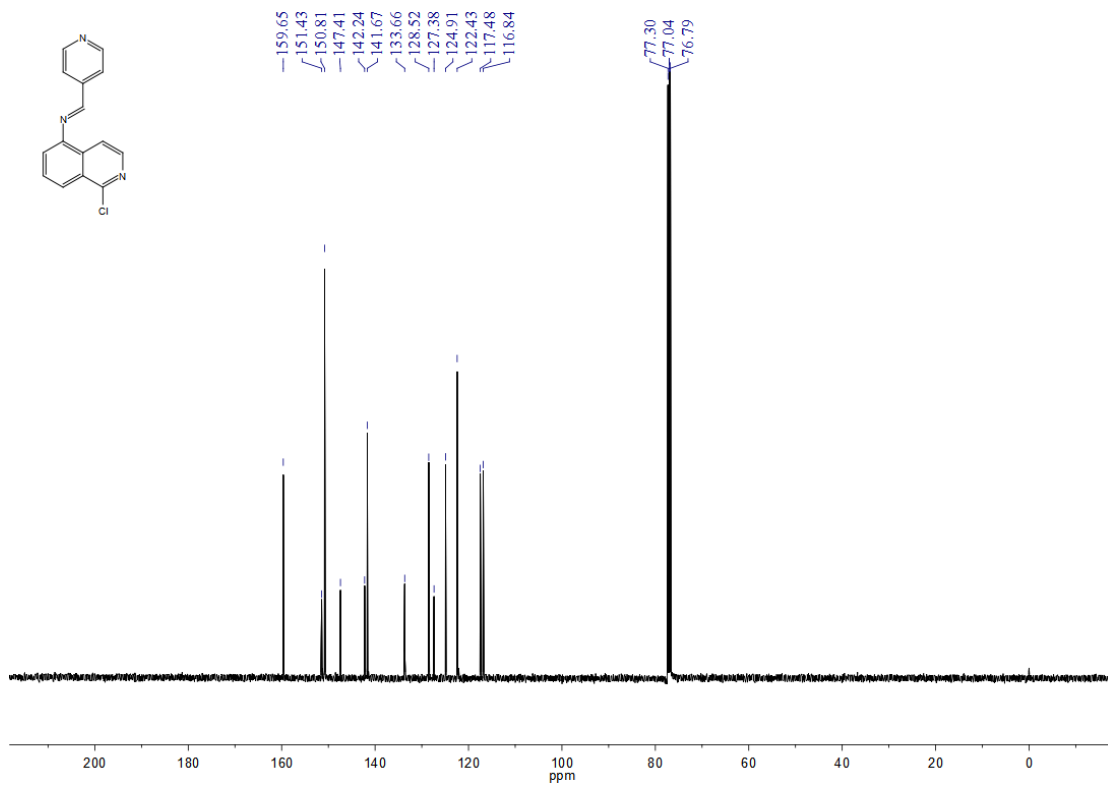
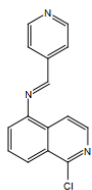
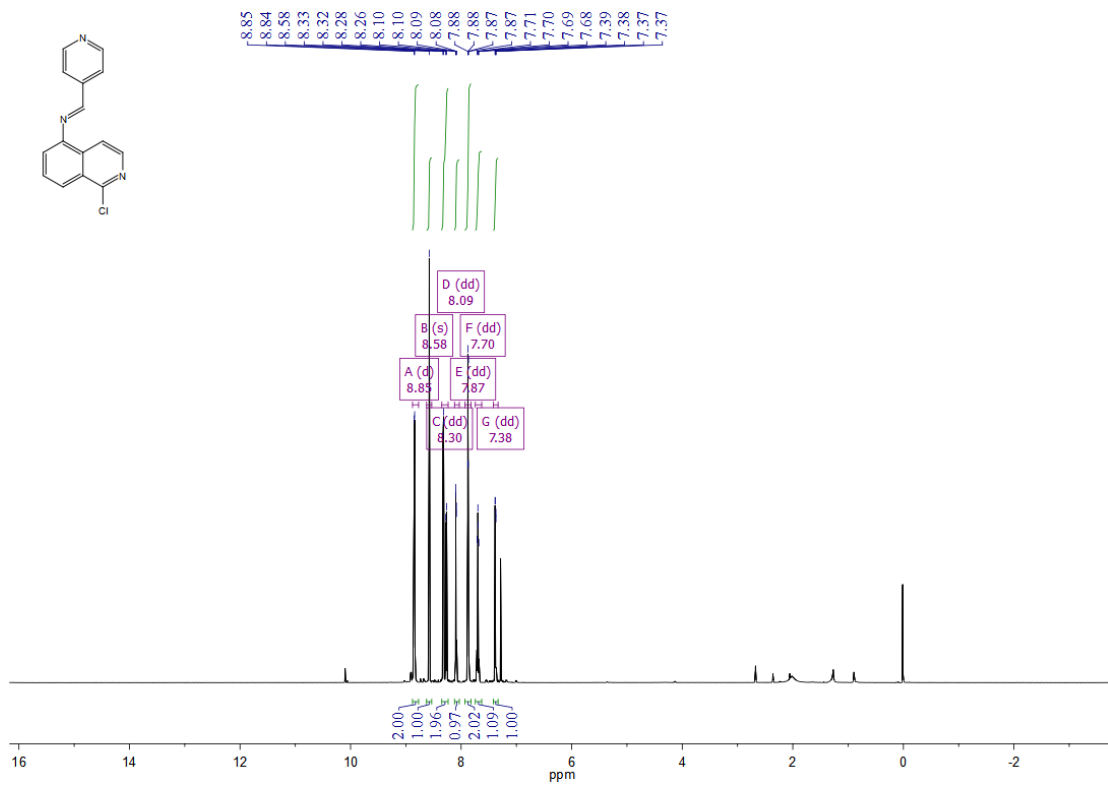
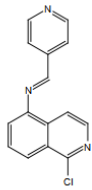
1: TOF MS ES+
7.17e+003



Minimum: -1.5
Maximum: 5.0 20.0 50.0

Mass	Calc. Mass	mDa	PPM	DBE	i-FIT	Norm	Conf (%)	Formula
268.0649	268.0642	0.7	2.6	11.5	376.0	n/a	n/a	C15 H11 N3 Cl

Compound 3i



Single Mass Analysis

Tolerance = 20.0 PPM / DBE: min = -1.5, max = 50.0

Element prediction: Off

Number of isotope peaks used for i-FIT = 3

Monoisotopic Mass, Even Electron Ions

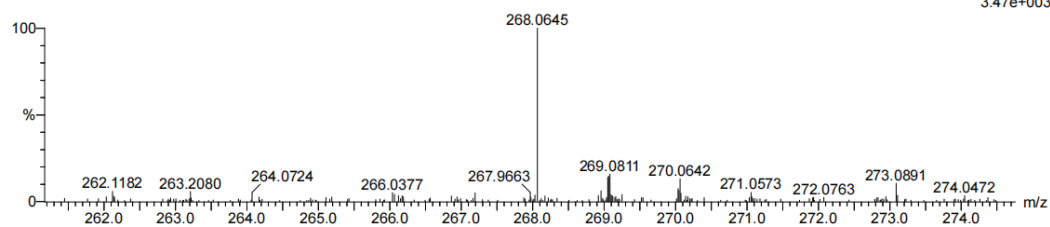
31 formula(e) evaluated with 1 results within limits (up to 50 closest results for each mass)

Elements Used:

C: 15-15 H: 11-11 N: 0-8 Cl: 1-4

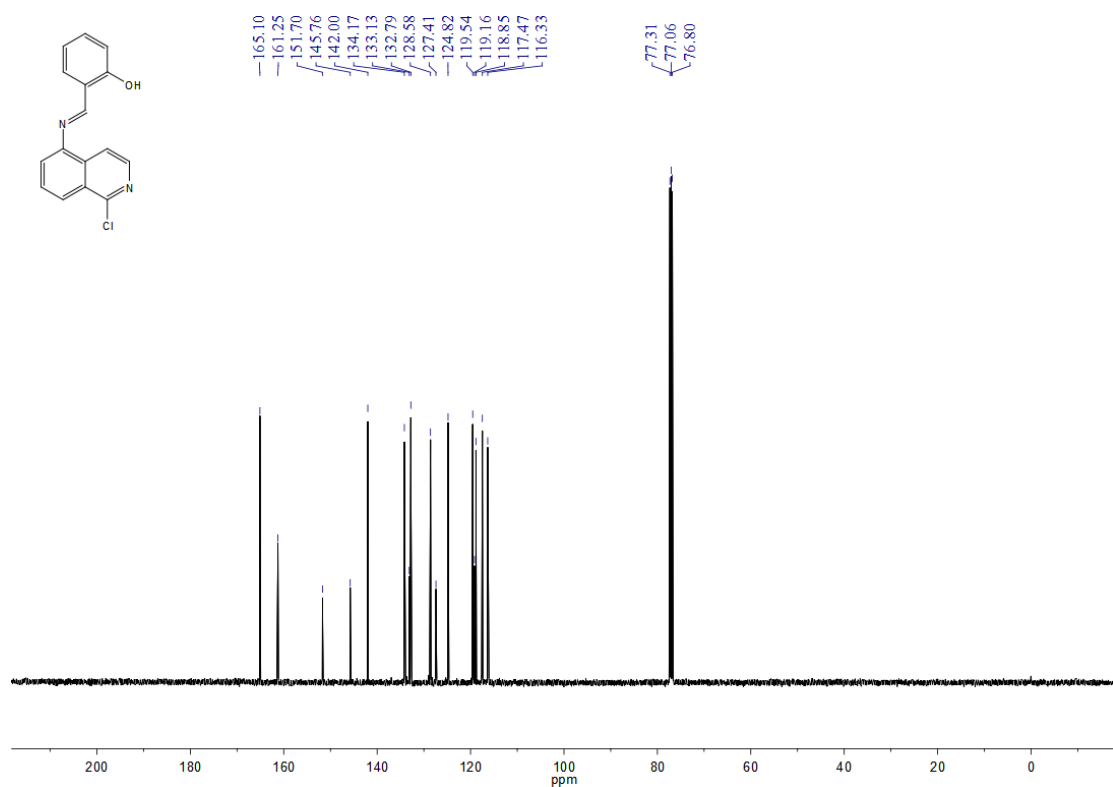
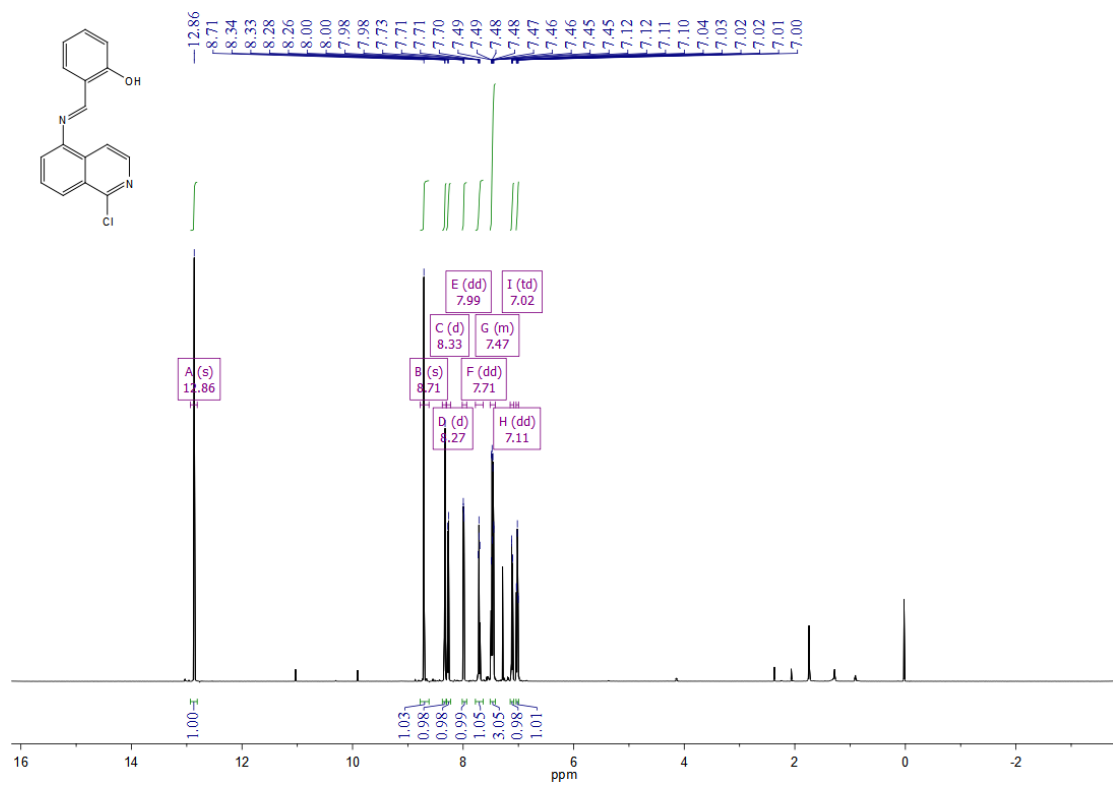
5

0729-5-10 70 (0.457)

1: TOF MS ES+
3.47e+003Minimum: -1.5
Maximum: 5.0 20.0 50.0

Mass	Calc. Mass	mDa	PPM	DBE	i-FIT	Norm	Conf (%)	Formula
268.0645	268.0642	0.3	1.1	11.5	410.4	n/a	n/a	C15 H11 N3 Cl

Compound 3j



Single Mass Analysis

Tolerance = 20.0 PPM / DBE: min = -1.5, max = 50.0

Element prediction: Off

Number of isotope peaks used for i-FIT = 3

Monoisotopic Mass, Even Electron Ions

318 formula(e) evaluated with 1 results within limits (up to 50 closest results for each mass)

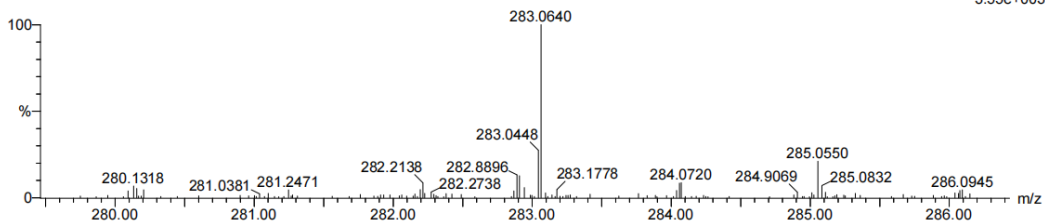
Elements Used:

C: 16-16 H: 12-12 N: 0-8 O: 0-20 Cl: 1-4

5

0729-5-11 86 (0.557)

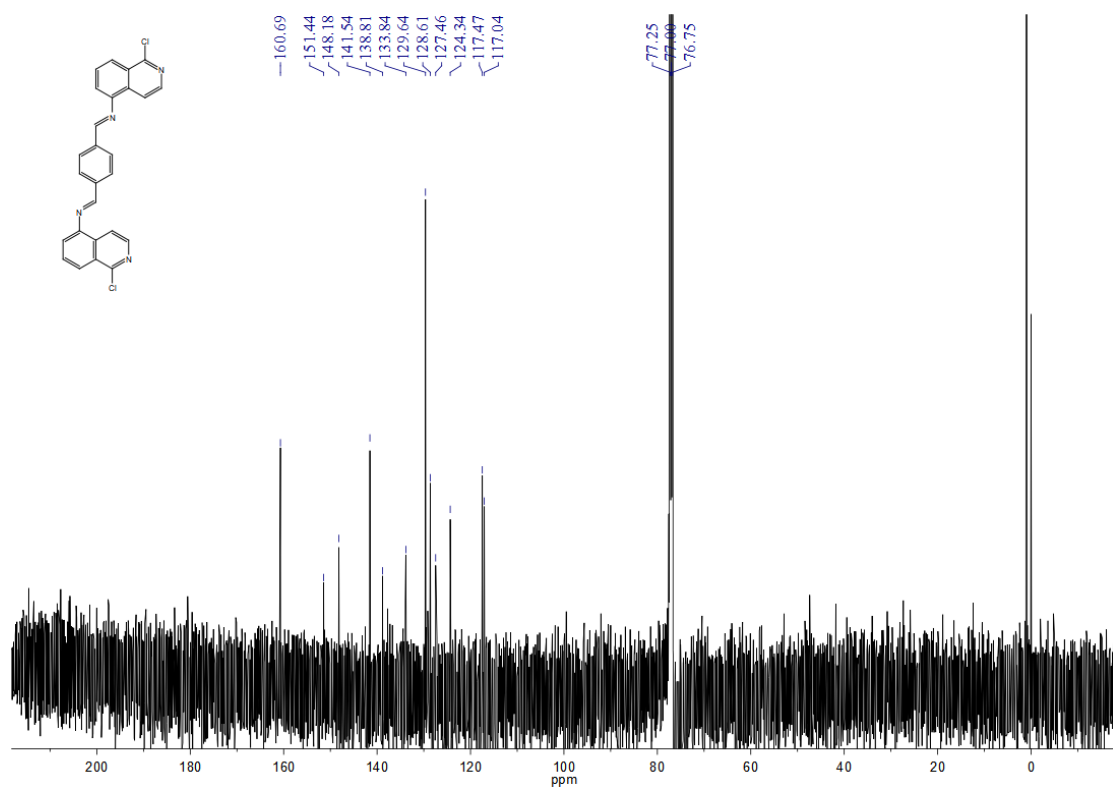
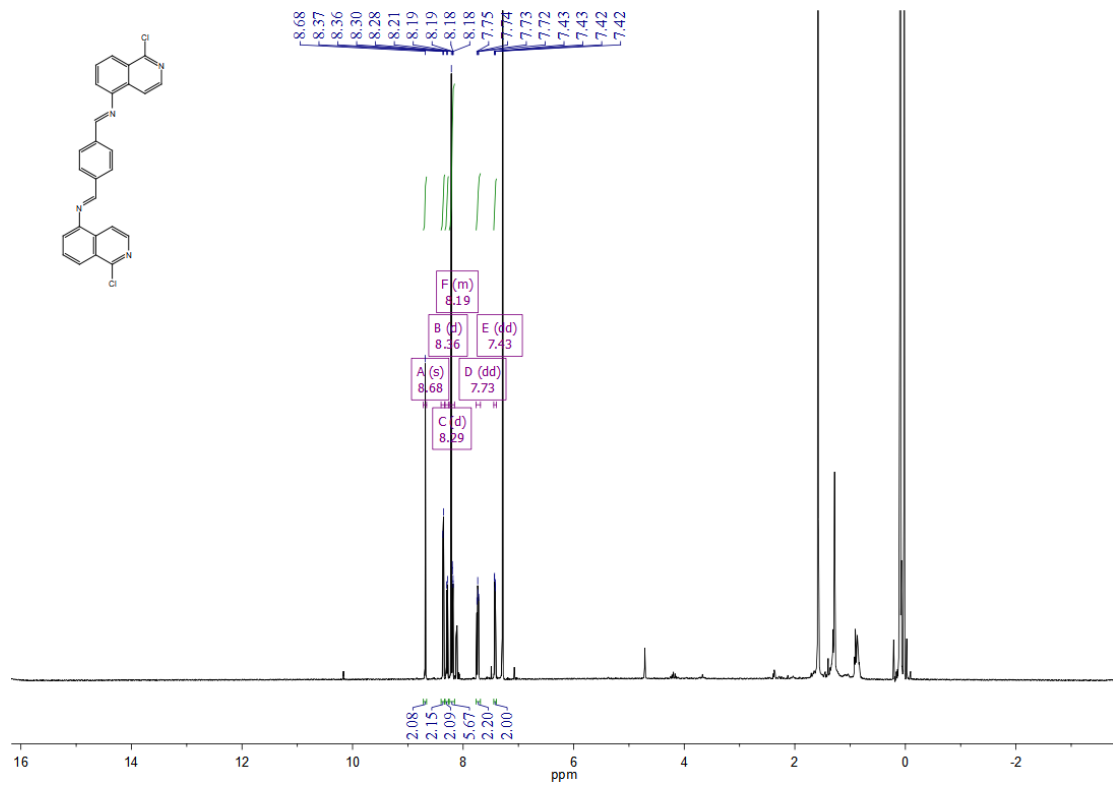
1: TOF MS ES+
3.55e+003



Minimum: -1.5
Maximum: 50.0

Mass	Calc. Mass	mDa	PPM	DBE	i-FIT	Norm	Conf (%)	Formula
283.0640	283.0638	0.2	0.7	11.5	372.9	n/a	n/a	C16 H12 N2 O Cl

Compound 3k



Elemental Composition Report

Page 1

Single Mass Analysis

Tolerance = 20.0 PPM / DBE: min = -1.5, max = 50.0

Element prediction: Off

Number of isotope peaks used for i-FIT = 3

Monoisotopic Mass, Even Electron Ions

20 formula(e) evaluated with 1 results within limits (up to 50 closest results for each mass)

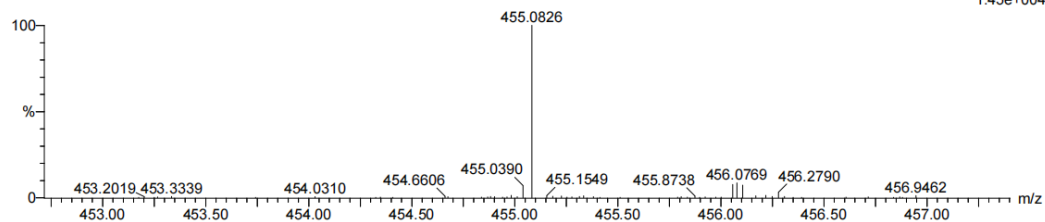
Elements Used:

C: 26-26 H: 17-17 N: 0-8 Cl: 1-4

5

0729-5-7 81 (0.531)

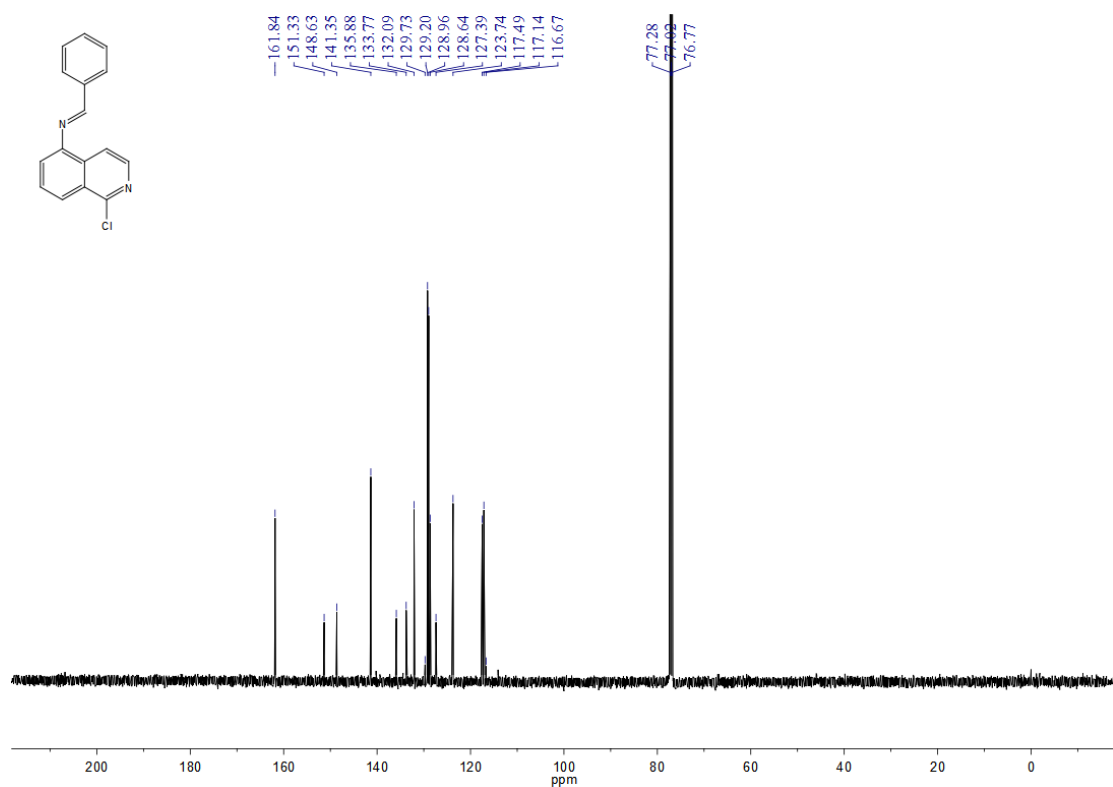
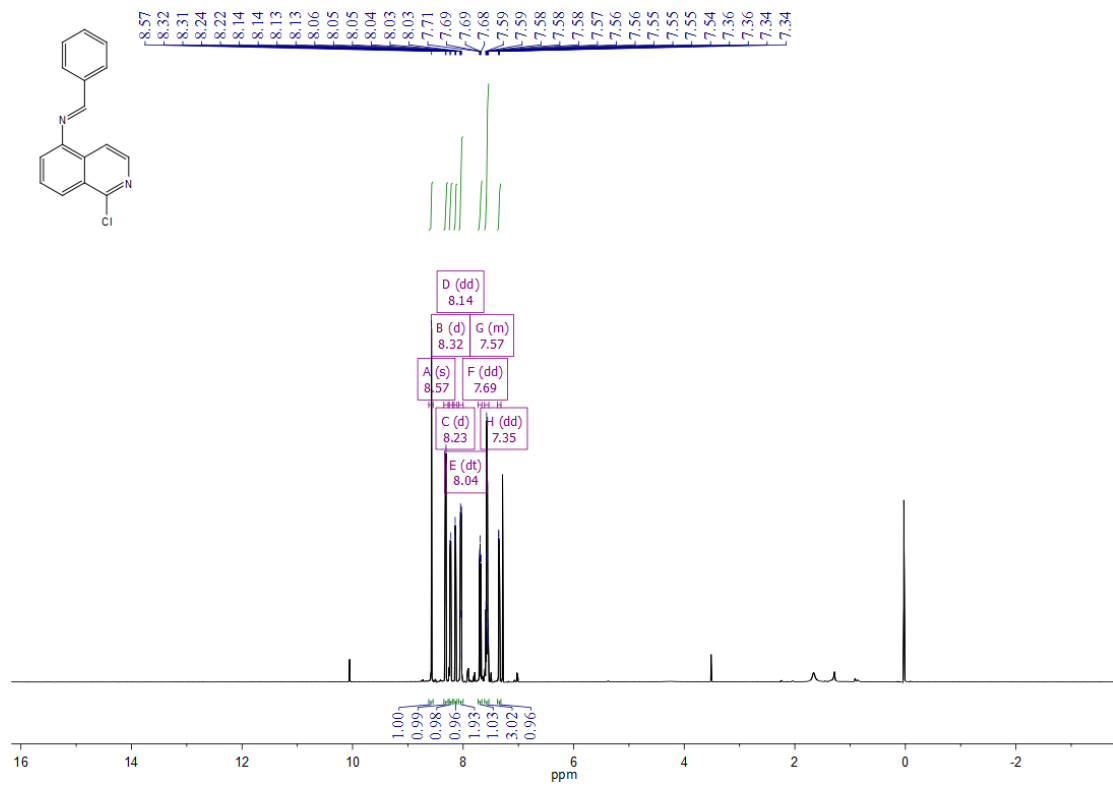
1: TOF MS ES+
1.45e+004



Minimum: -1.5
Maximum: 50.0

Mass	Calc. Mass	mDa	PPM	DBE	i-FIT	Norm	Conf (%)	Formula
455.0826	455.0830	-0.4	-0.9	19.5	322.2	n/a	n/a	C26 H17 N4 Cl2

Compound 31



Single Mass Analysis

Tolerance = 20.0 PPM / DBE: min = -1.5, max = 50.0

Element prediction: Off

Number of isotope peaks used for i-FIT = 3

Monoisotopic Mass, Even Electron Ions

288 formula(e) evaluated with 1 results within limits (up to 50 closest results for each mass)

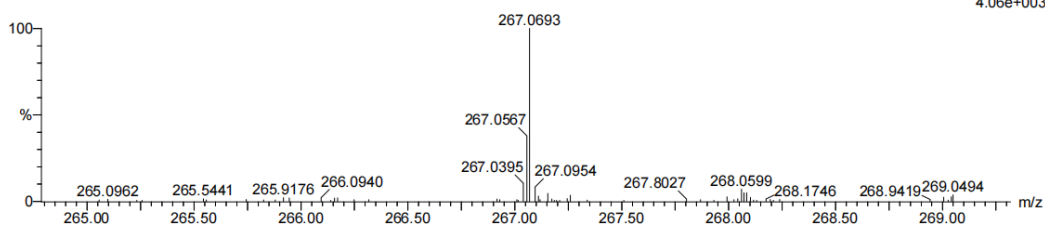
Elements Used:

C: 16-16 H: 12-12 N: 0-8 O: 0-20 Cl: 1-4

5

0729-5-12 91 (0.591)

1: TOF MS ES+
4.06e+003



Minimum: -1.5
Maximum: 5.0 20.0 50.0

Mass	Calc. Mass	mDa	PPM	DBE	i-FIT	Norm	Conf (%)	Formula
267.0693	267.0689	0.4	1.5	11.5	274.6	n/a	n/a	C16 H12 N2 C1