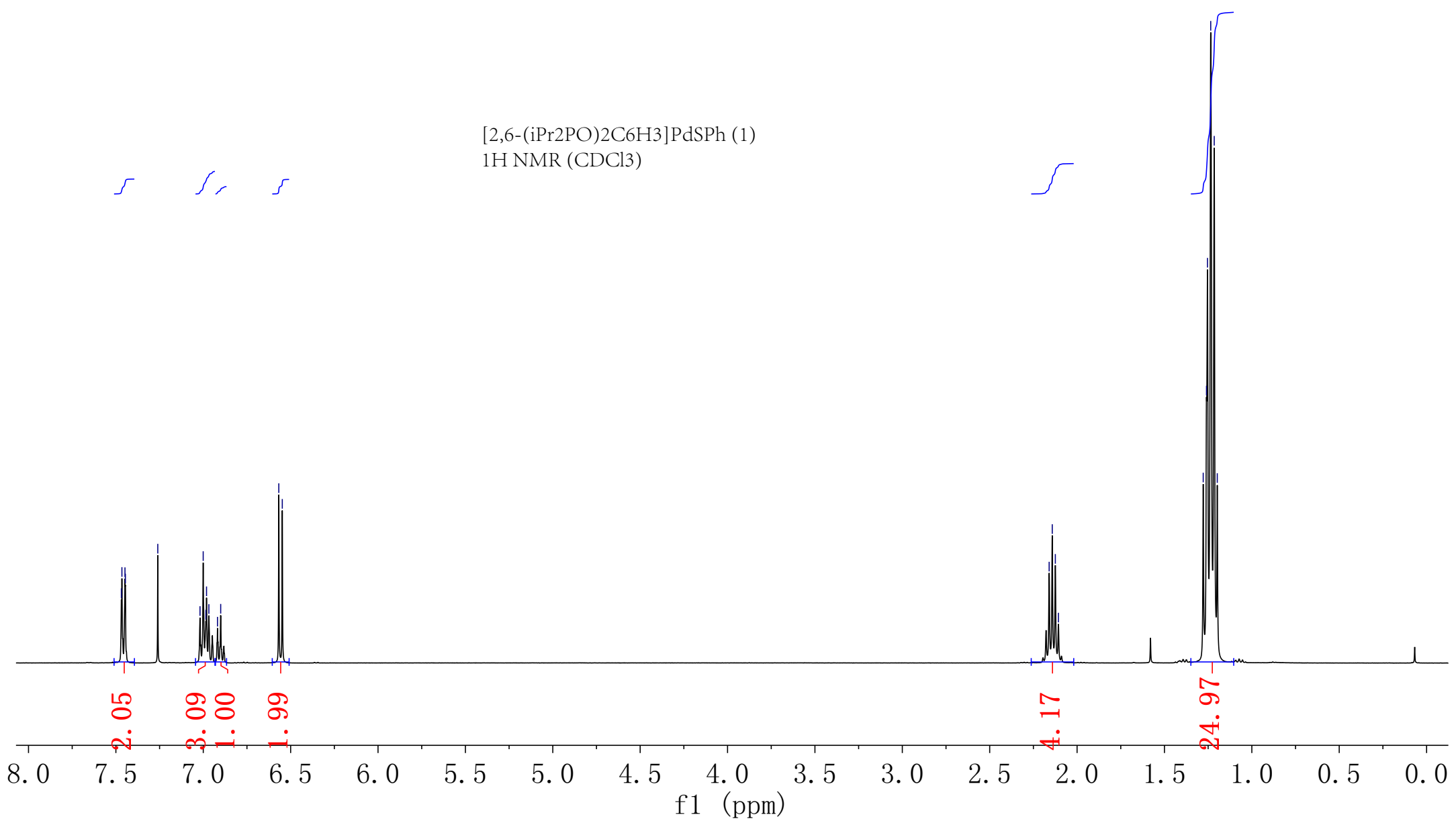


7.43
7.42
7.41
7.40
7.26
7.02
7.00
6.98
6.98
6.97
6.90
6.57
6.55

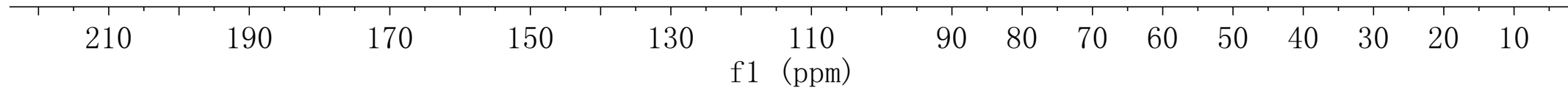
2.16
2.14
2.12
2.11
1.28
1.26
1.25
1.24
1.22
1.20

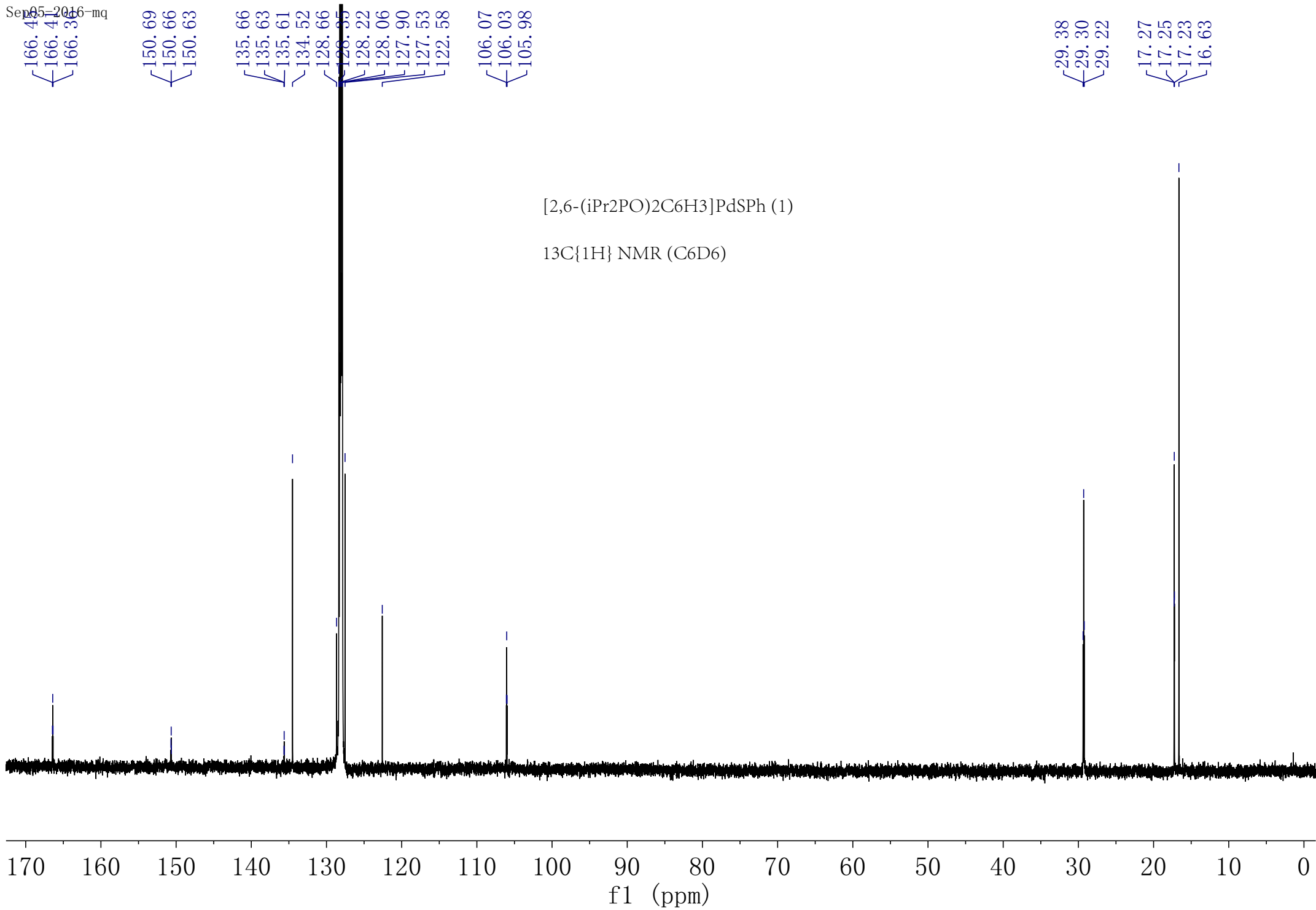
[2,6-(iPr₂PO)₂C₆H₃]PdSPh (1)
1H NMR (CDCl₃)



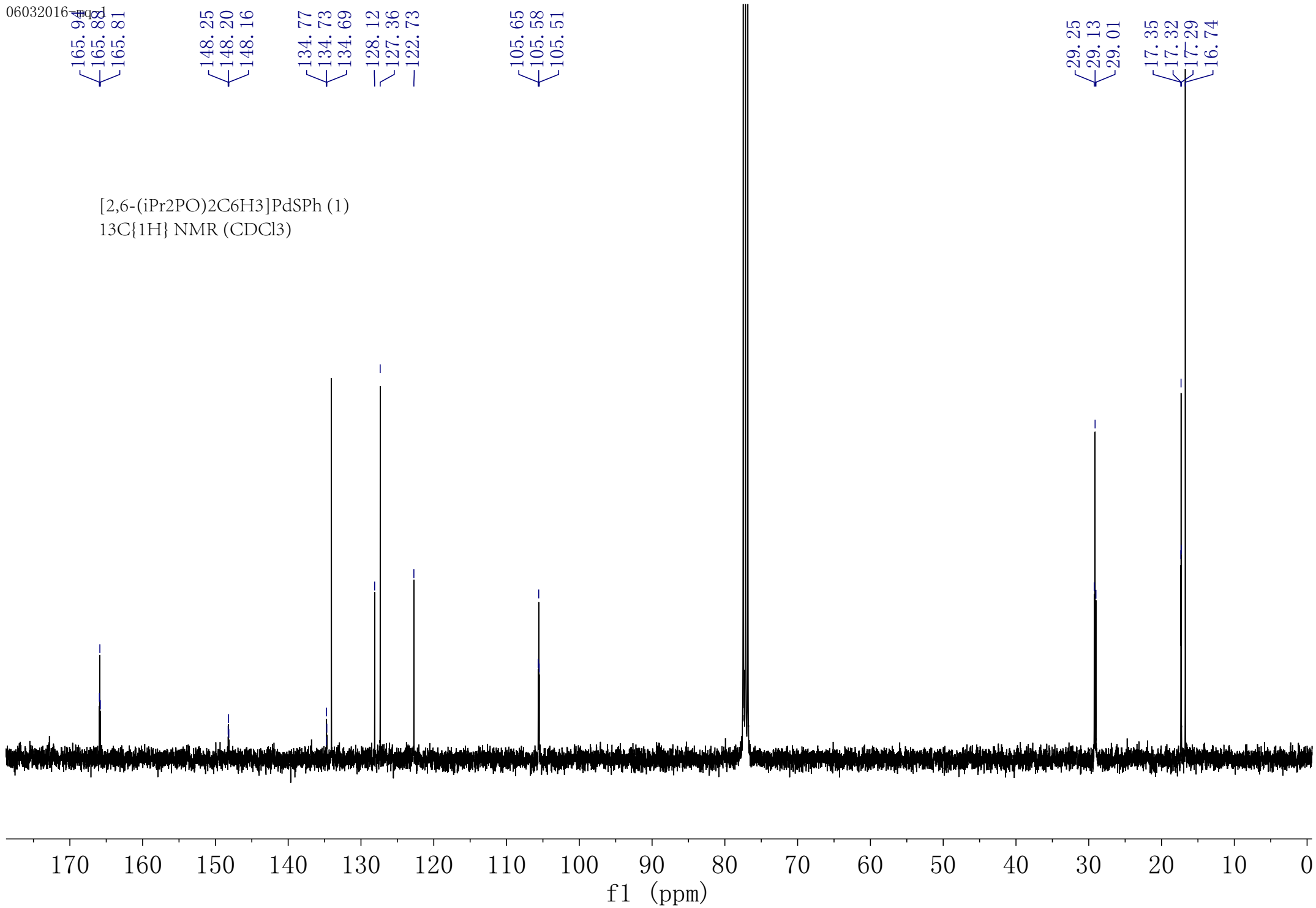
189.69

[2,6-(iPr₂PO)₂C₆H₃]PdSPh (1)
31P{1H} NMR (C₆D₆)





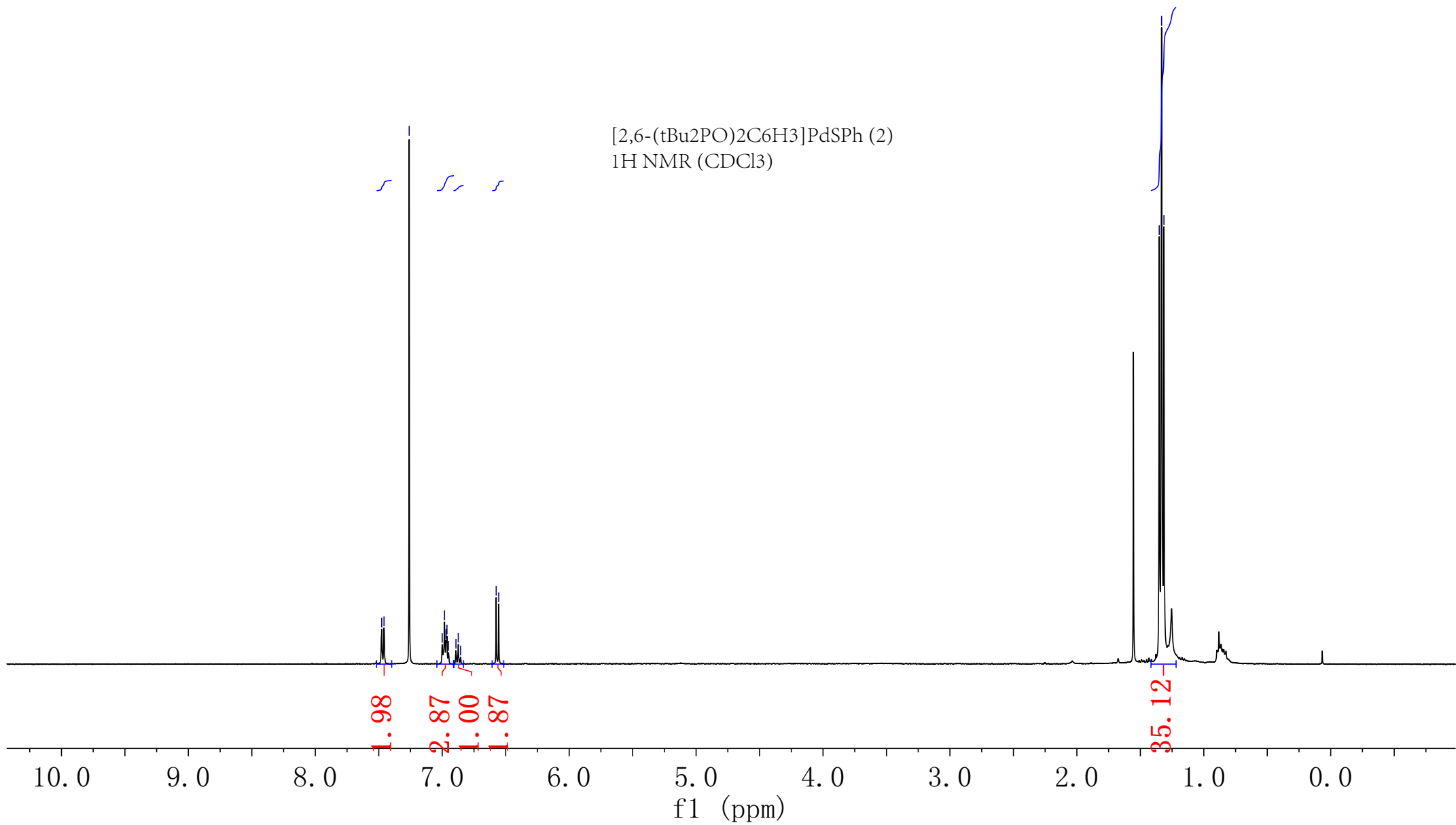
06032016



7.48
7.46
7.26
7.00
6.98
6.97
6.96
6.95
6.89
6.87
6.86
6.57
6.56

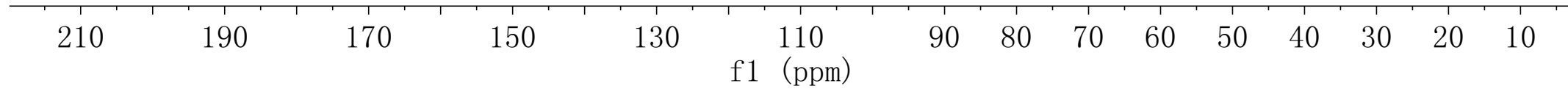
1.35
1.33
1.31

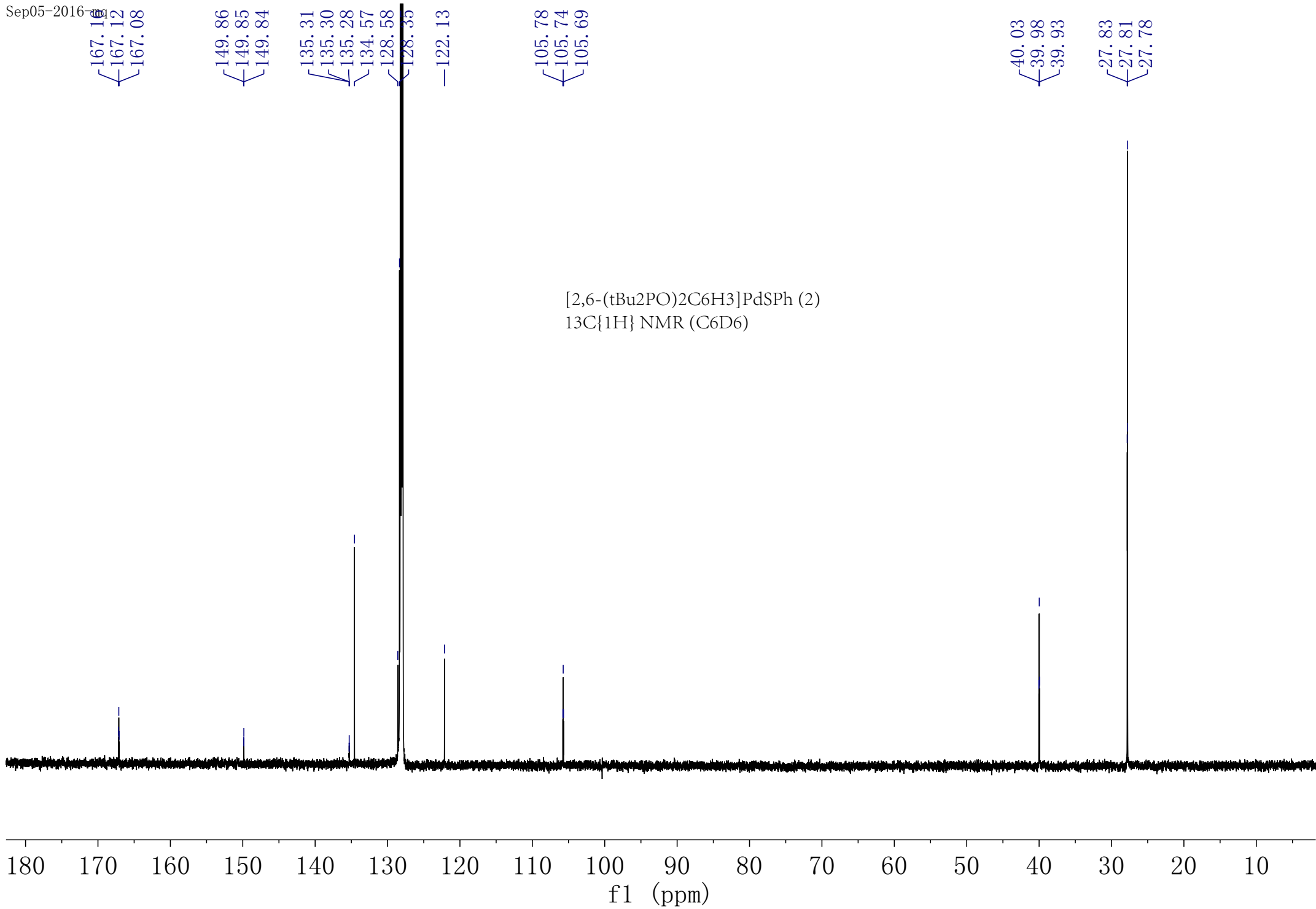
[2,6-(tBu₂PO)₂C₆H₃]PdSPh (2)
1H NMR (CDCl₃)



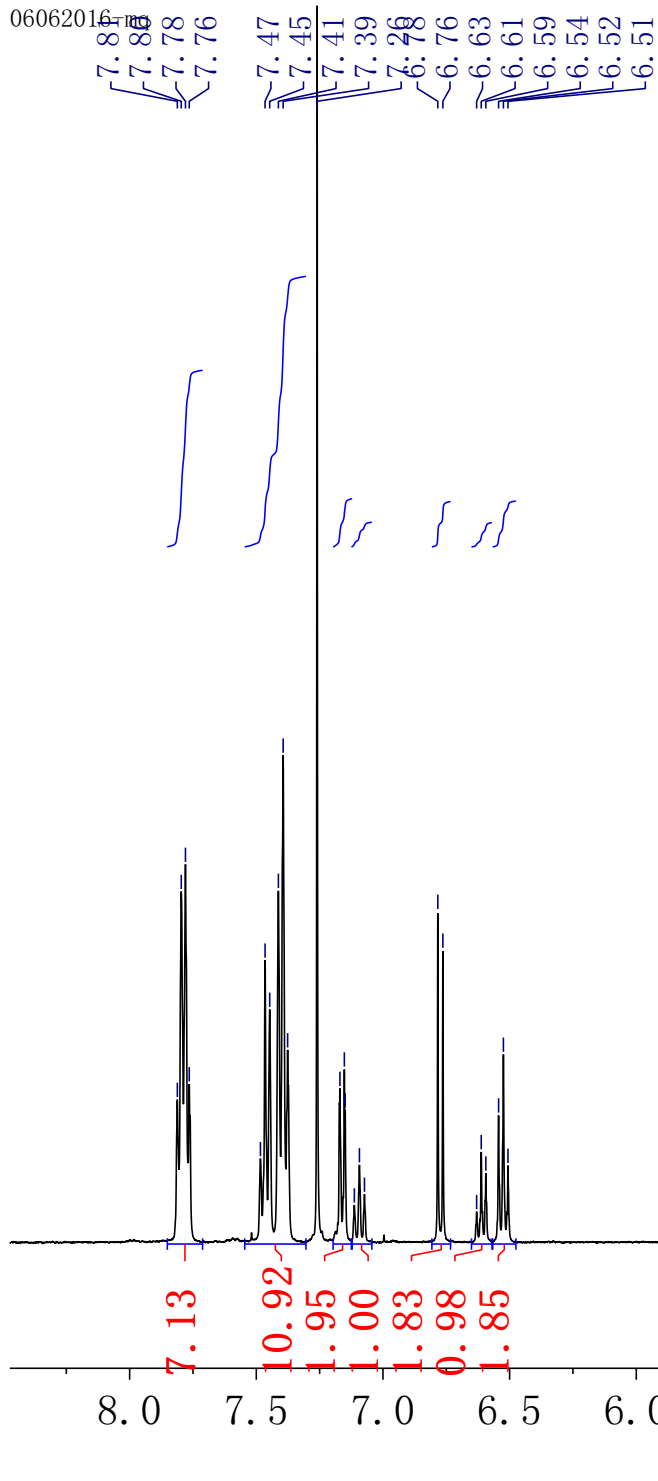
—192.36

[2,6-(tBu₂PO)₂C₆H₃]PdSPh (2)
31P{1H} NMR (C₆D₆)





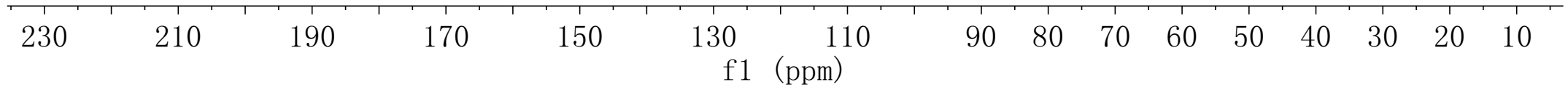
06062016



[2,6-(Ph₂PO)₂C₆H₃]PdSPh (3)
1H NMR (CDCl₃)

-147.78

[2,6-(Ph₂PO)₂C₆H₃]PdSPh (3)
31P{1H} NMR (CDCl₃)



164.89
164.84
164.79

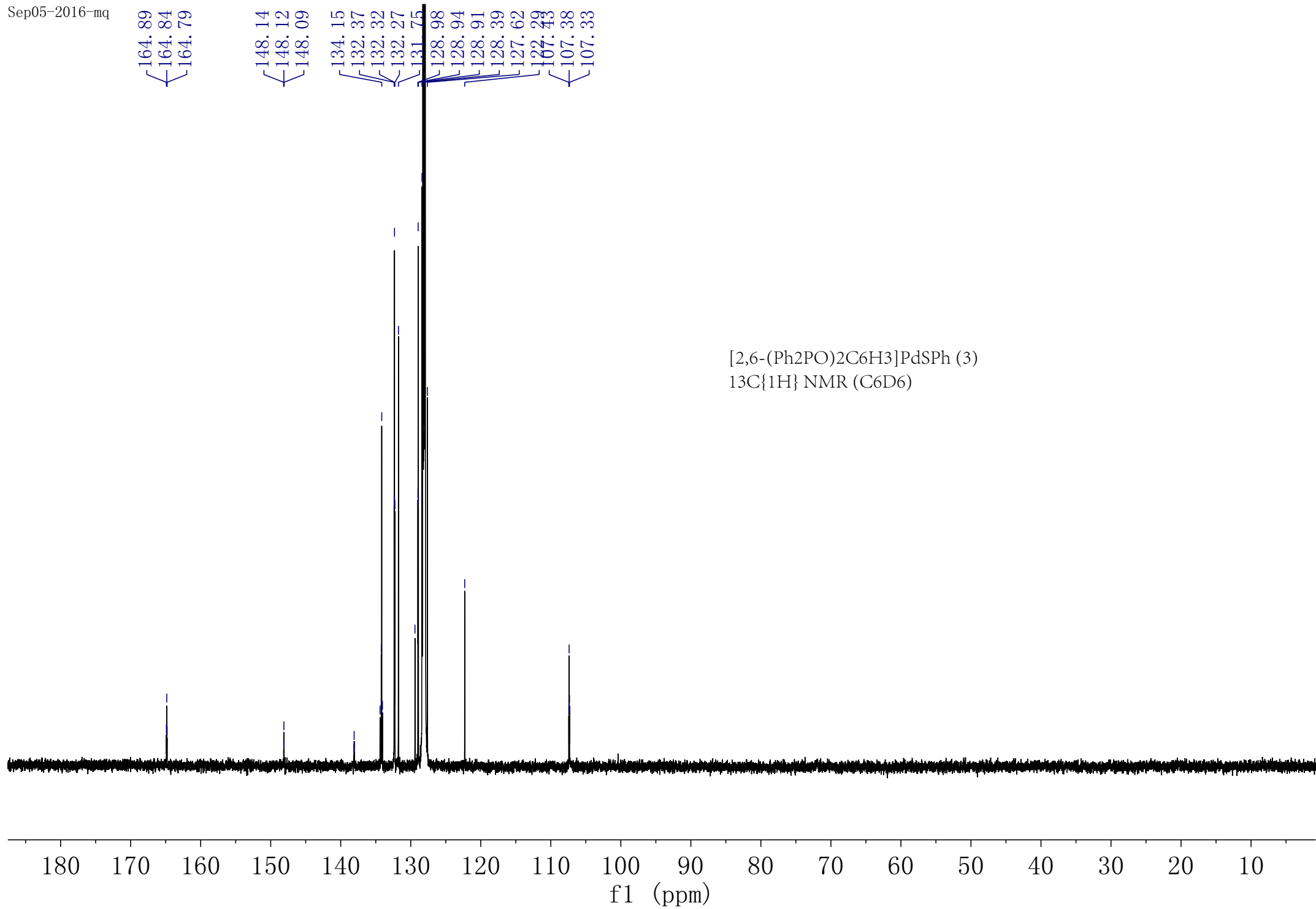
148.14
148.12
148.09

134.15
132.37
132.32
132.27

131.75

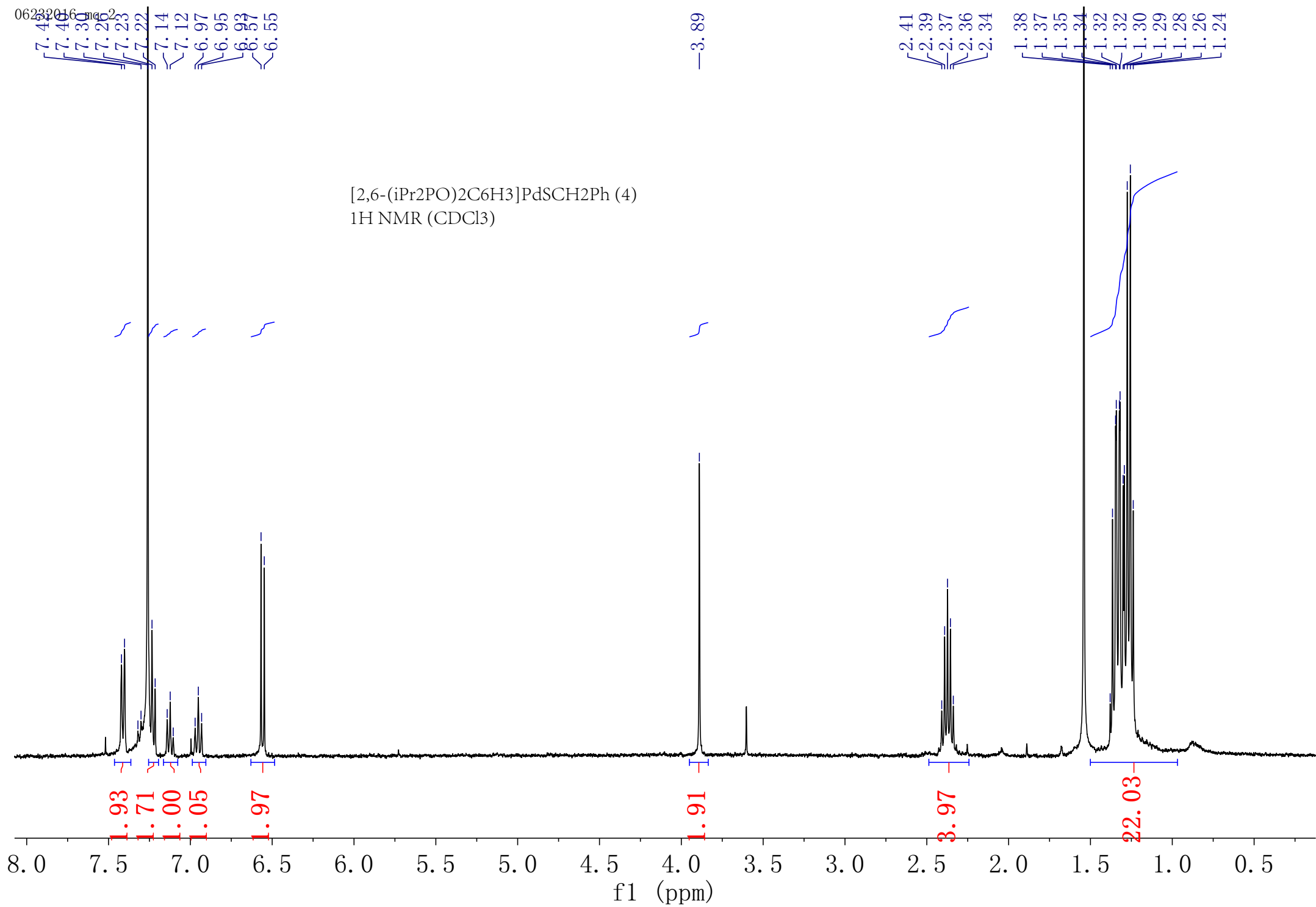
128.98
128.94
128.91
128.39
127.62
107.43
107.38
107.33

[2,6-(Ph₂PO)₂C₆H₃]PdSPh (3)
¹³C{¹H} NMR (C₆D₆)



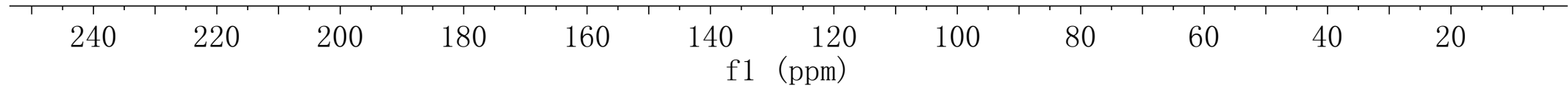
06282016.mq2

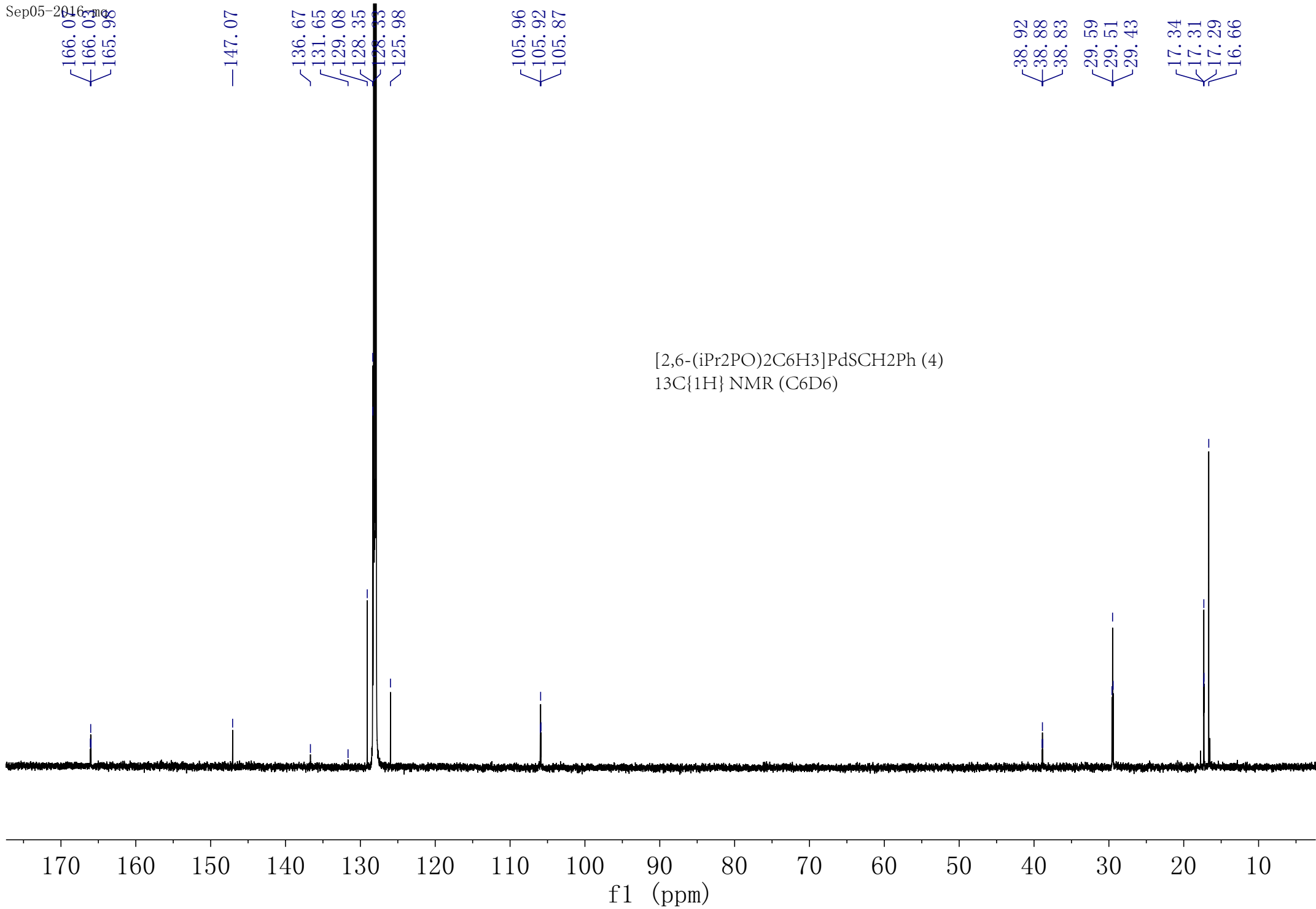
[2,6-(iPr₂PO)₂C₆H₃]PdSCH₂Ph (4)
1H NMR (CDCl₃)



—191.39

[2,6-(iPr₂PO)₂C₆H₃]PdSCH₂Ph (4)
31P{1H} NMR (CDCl₃)





Mass Spectrum SmartFormula Report

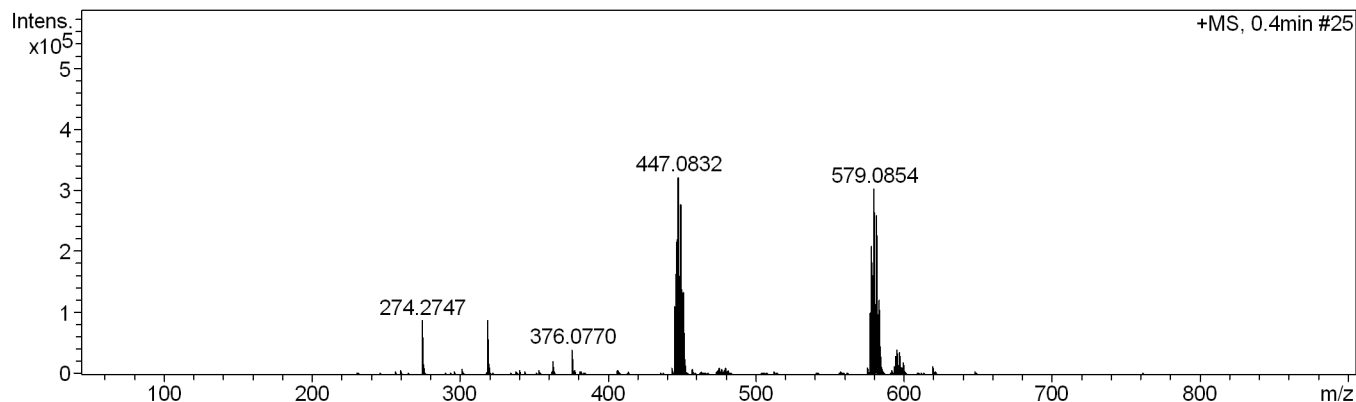
Analysis Info

Analysis Name D:\Data\CXN\20160912\mqq\mqq02.d
 Method tune_low_pos120731.m
 Sample Name mqq02
 Comment

Acquisition Date 9/12/2016 8:11:41 PM
 Operator zym
 Instrument / Ser# micrOTOF 10376

Acquisition Parameter

Source Type	ESI	Ion Polarity	Positive	Set Nebulizer	0.3 Bar
Focus	Active			Set Dry Heater	180 °C
Scan Begin	50 m/z	Set Capillary	4500 V	Set Dry Gas	4.0 l/min
Scan End	900 m/z	Set End Plate Offset	-500 V	Set Divert Valve	Waste



Meas. m/z	#	Formula	Score	m/z	err [ppm]	Mean err [ppm]	mSig ma	rdb	e ⁻ Conf	N-R ule
579.0854	1	C ₂₄ H ₃₆ NaO ₂ P ₂ PdS	100.00	579.0847	-1.3	-0.6	16.0	7.5	even	ok

Mass Spectrum SmartFormula Report

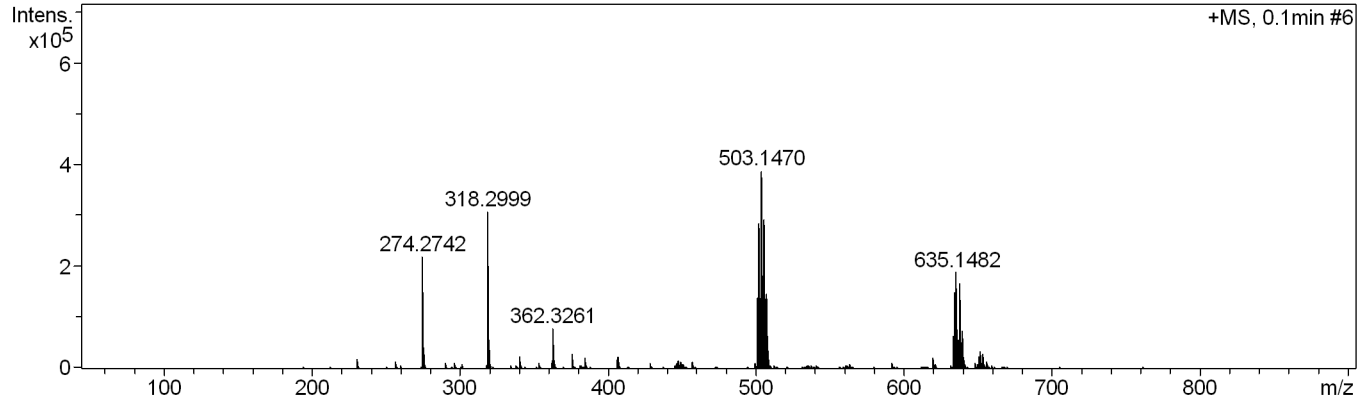
Analysis Info

Analysis Name D:\Data\CXN\20160912\mqq\mqq01.d
 Method tune_low_pos120731.m
 Sample Name mqq01
 Comment

Acquisition Date 9/12/2016 8:16:47 PM
 Operator zym
 Instrument / Ser# micrOTOF 10376

Acquisition Parameter

Source Type	ESI	Ion Polarity	Positive	Set Nebulizer	0.3 Bar
Focus	Active			Set Dry Heater	180 °C
Scan Begin	50 m/z	Set Capillary	4500 V	Set Dry Gas	4.0 l/min
Scan End	900 m/z	Set End Plate Offset	-500 V	Set Divert Valve	Waste



Meas. m/z	#	Formula	Score	m/z	err [ppm]	Mean err [ppm]	mSig ma	rdb	e ⁻ Conf	N-R ule
635.1482	1	C ₂₈ H ₄₄ NaO ₂ P ₂ PdS	100.00	635.1475	-1.2	-0.8	25.8	7.5	even	ok

Mass Spectrum SmartFormula Report

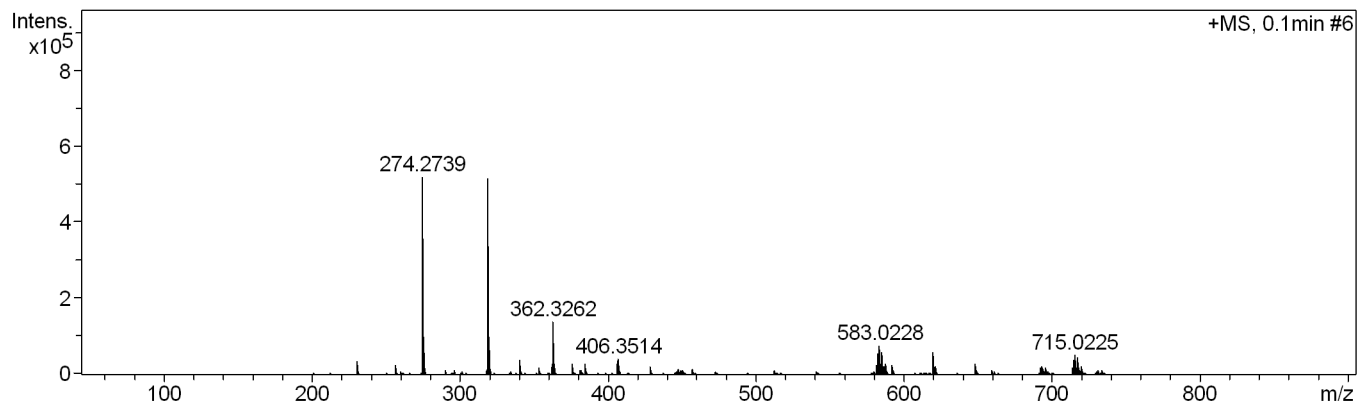
Analysis Info

Analysis Name D:\Data\CXN\20160912\mqq\mqq03.d
 Method tune_low_pos120731.m
 Sample Name mqq03
 Comment

Acquisition Date 9/12/2016 8:13:29 PM
 Operator zym
 Instrument / Ser# micrOTOF 10376

Acquisition Parameter

Source Type	ESI	Ion Polarity	Positive	Set Nebulizer	0.3 Bar
Focus	Active			Set Dry Heater	180 °C
Scan Begin	50 m/z	Set Capillary	4500 V	Set Dry Gas	4.0 l/min
Scan End	900 m/z	Set End Plate Offset	-500 V	Set Divert Valve	Waste



Meas. m/z	#	Formula	Score	m/z	err [ppm]	Mean err [ppm]	mSig ma	rdb	e ⁻ Conf	N-R ule
715.0225	1	C ₃₆ H ₂₈ NaO ₂ P ₂ PdS	100.00	715.0225	-0.0	-2.5	26.3	23.5	even	ok

Mass Spectrum SmartFormula Report

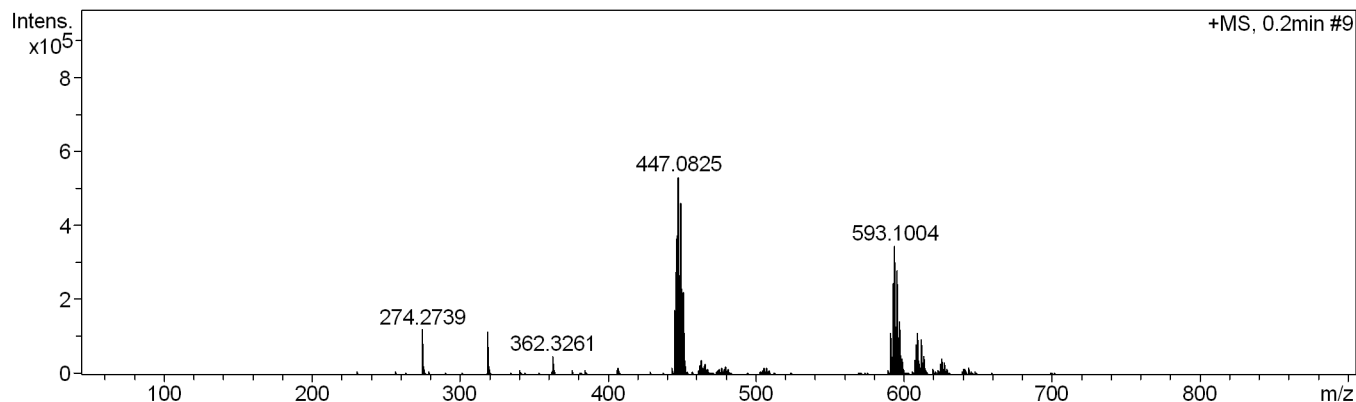
Analysis Info

Analysis Name D:\Data\CXN\20160912\mqq\mqq04.d
 Method tune_low_pos120731.m
 Sample Name mqq04
 Comment

Acquisition Date 9/12/2016 8:15:03 PM
 Operator zym
 Instrument / Ser# micrOTOF 10376

Acquisition Parameter

Source Type	ESI	Ion Polarity	Positive	Set Nebulizer	0.3 Bar
Focus	Active			Set Dry Heater	180 °C
Scan Begin	50 m/z	Set Capillary	4500 V	Set Dry Gas	4.0 l/min
Scan End	900 m/z	Set End Plate Offset	-500 V	Set Divert Valve	Waste



Meas. m/z	#	Formula	Score	m/z	err [ppm]	Mean err [ppm]	mSig ma	rdb	e ⁻ Conf	N-R rule
593.1004	1	C ₂₅ H ₃₈ NaO ₂ P ₂ PdS	100.00	593.1004	-0.0	0.2	13.9	7.5	even	ok