**Supporting Information**

# Boron-Dipyrromethene-Functionalized Hemilabile Ligands as "Turn-On" Fluorescent Probes for Coordination Changes in Weak-Link Approach Complexes

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**Absorbance and Emission Spectra.**

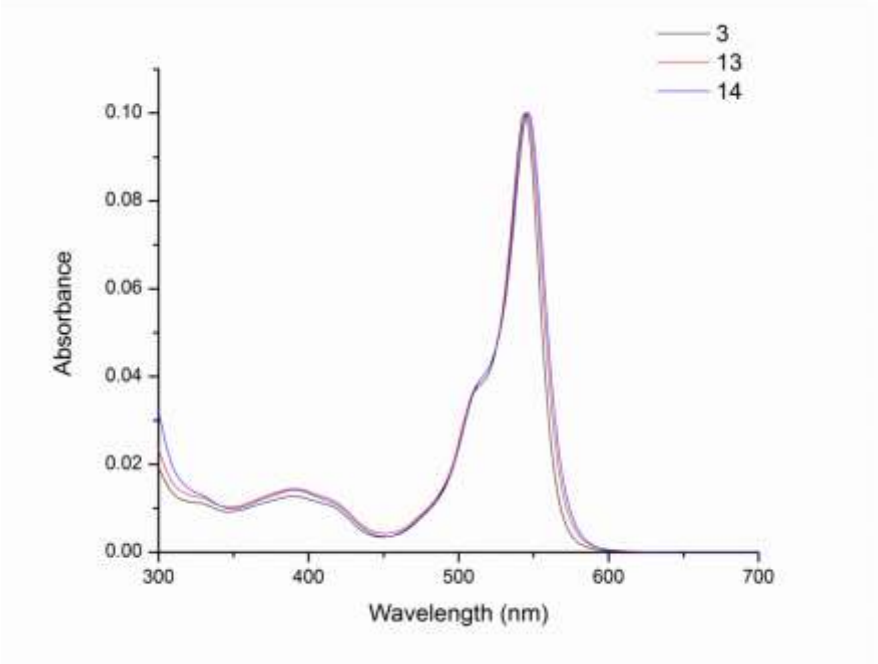


**Figure S1.** Absorbance spectra of $1.3\times10^{-3}$ mM solutions of compounds **3**, **13** and **14** in $CH_2Cl_2$.

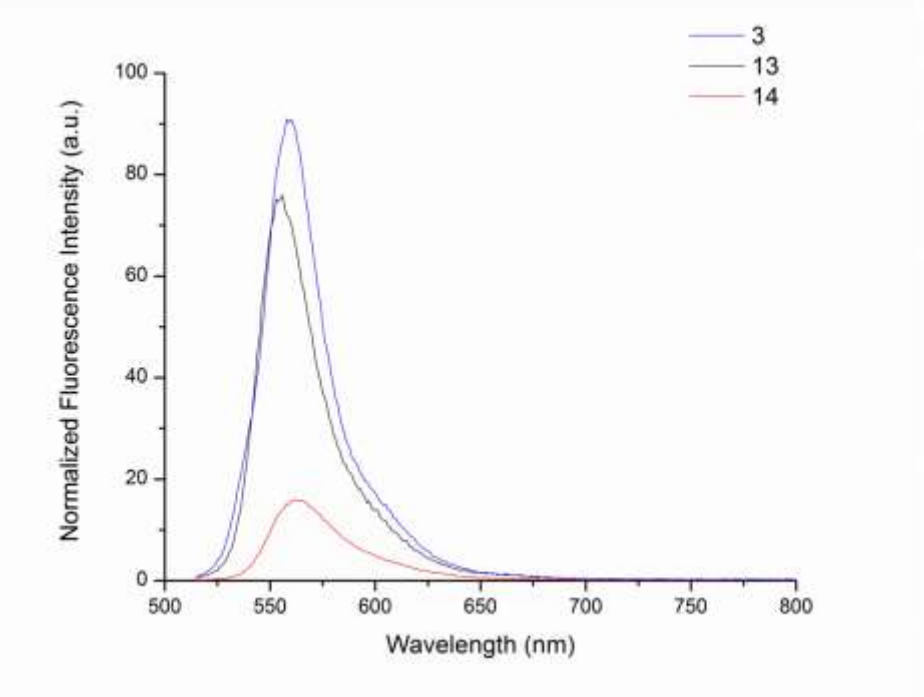


**Figure S2.** Fluorescence emission spectra of compounds **3**, **13** and **14** normalized relative to their respective quantum yields.

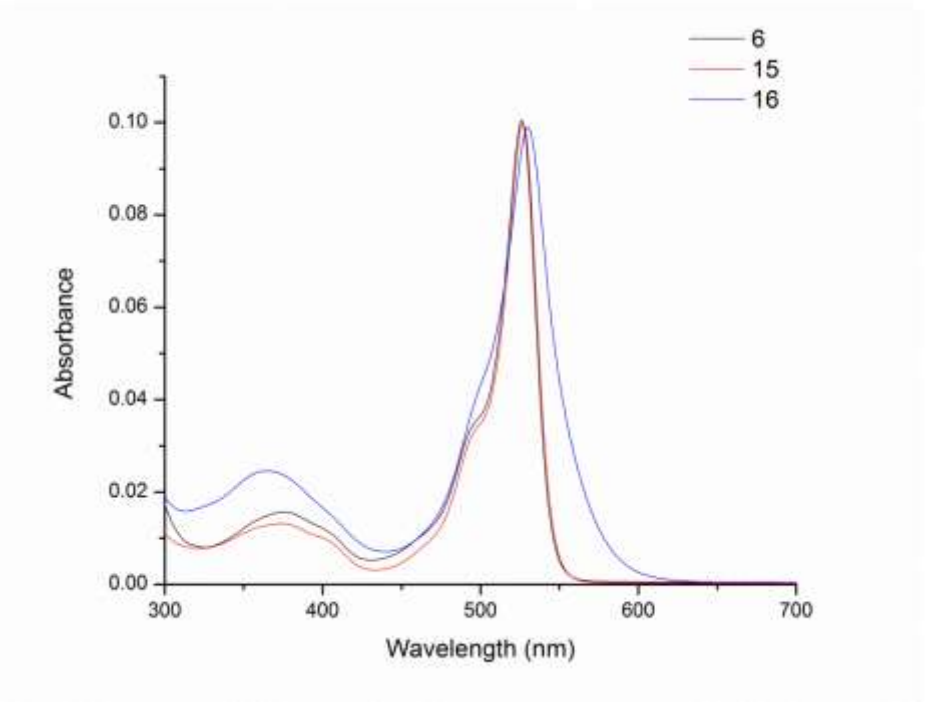


**Figure S3.** Absorbance spectra of $1.3\times10^{-3}$ mM solutions of compounds **6**, **15** and **16** in $CH_2Cl_2$.

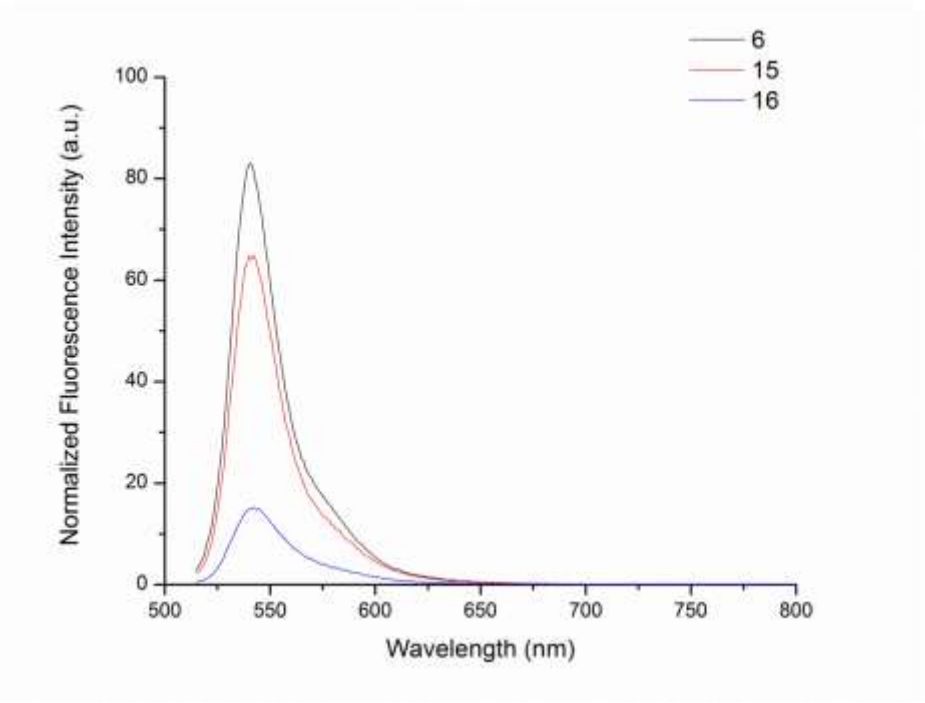


**Figure S4.** Fluorescence emission spectra of compounds **6**, **15** and **16** normalized relative to their respective quantum yields.

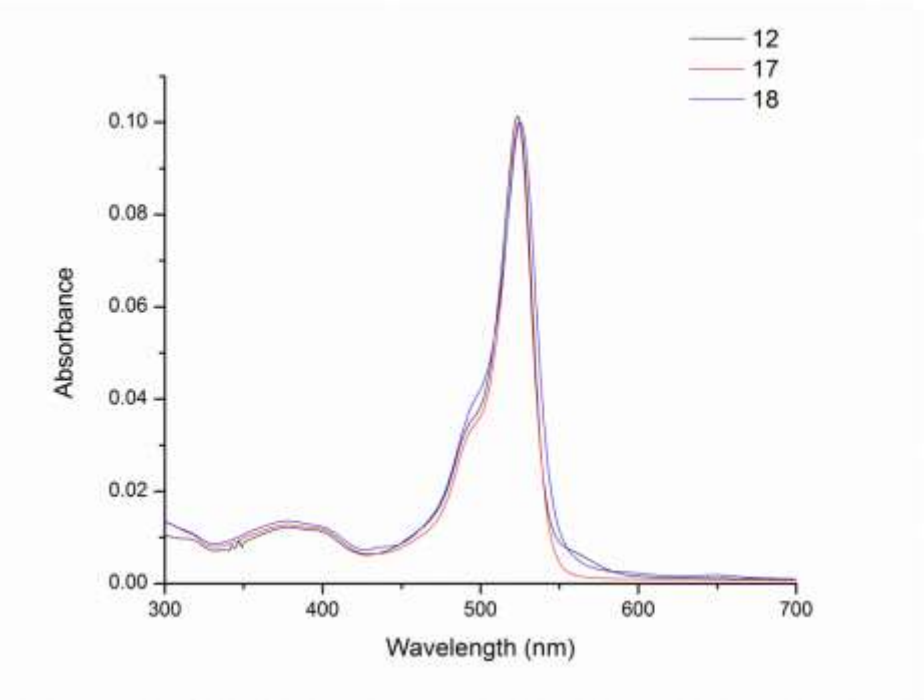


**Figure S5.** Absorbance spectra of $1.3\times10^{-3}$ mM solutions of compounds **12**, **17** and **18** in $CH_2Cl_2$.

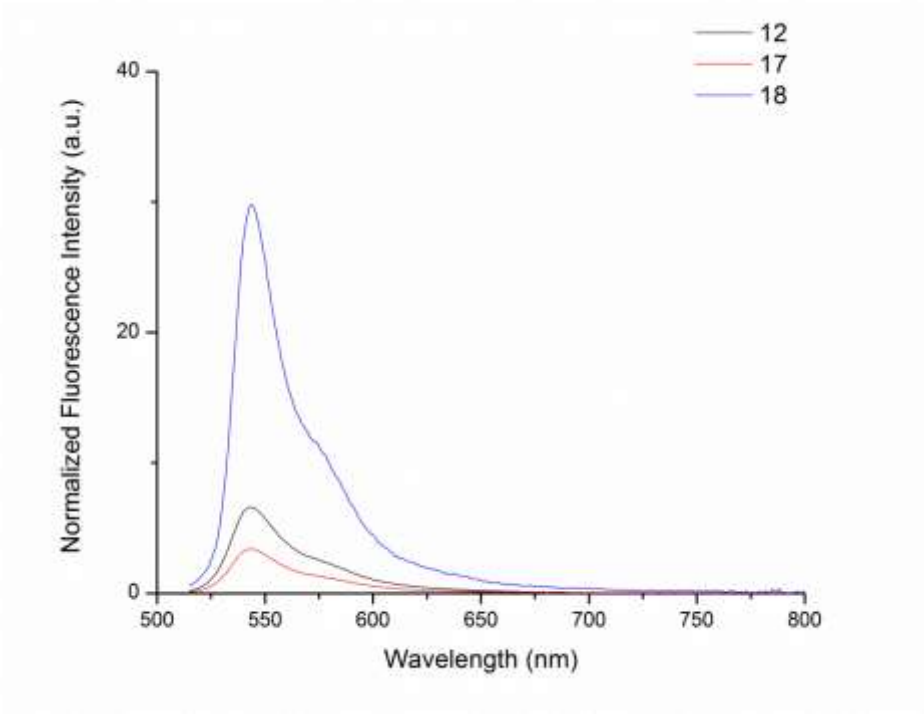


**Figure S6.** Fluorescence emission spectra of compounds **12**, **17** and **18** normalized relative to their respective quantum yields.

**Table S1.** Crystallographic Information.

| | **13** | **14** |
|---|---|---|
| Empirical formula | $C_{52}H_{53}BCl_2F_6N_2P_2PtS_2$ | $C_{52}H_{53}B_3F_{14}N_2P_2PtS_2$ |
| Formula weight | 1207.02 | 1325.56 |
| Temperature | 100 K | 100(2) K |
| Wavelength | 1.54178 Å, CuKα | 1.54184 Å, CuKα |
| Crystal system, space group | Monoclinic, P 1 21/n 1 | Triclinic, P -1 |
| Unit cell dimensions | a = 17.5965(6) Å<br>b = 10.1996(4) Å β = 95.869(2)°<br>c = 28.7552(9) Å | a = 13.4003(5) Å α = 86.516(2)°<br>b = 17.1690(6) Å β = 88.842(2)°<br>c = 25.3152(11) Å γ = 73.414(2)° |
| Volume | 5133.9(3) $Å^3$ | 5571.6(4) $Å^3$ |
| Z, Calculated density | 4, 1.582 $Mg/m^3$ | 4, 1.580 $Mg/m^3$ |
| Absorption coefficient | 7.921 $mm^{-1}$ | 6.695 $mm^{-1}$ |
| F(000) | 2448 | 2640 |
| Crystal size | 0.548 x 0.046 x 0.041 mm | 0.275 x 0.12 x 0.02 mm |
| Theta range for data collection | 4.60 to 64.84° | 2.690 to 68.056º |
| Limiting indices | $-20 \leq h \leq 20$, $-7 \leq k \leq 11$,<br>$-33 \leq l \leq 33$ | $-16 \leq h \leq 16$, $-20 \leq k \leq 20$,<br>$-0 \leq l \leq 30$ |
| Reflections collected / unique | 33501/ 8503 [R(int) = 0.0442] | 91587/ 19600 [R(int) = 0.0484] |
| Completeness to theta | 64.84° (97.8%) | 67.679° (97.0%) |
| Absorption correction | Multi-scan | Multi-scan |
| Max. and min. transmission | 0.7526 and 0.5445 | 1 and 0.543391 |
| Refinement method | Full-matrix least-squares on $F^2$ | Full-matrix least-squares on $F^2$ |
| Data / restraints / parameters[31b] | 8503 / 0 / 620 | 19600 / 0 / 1384 |
| Goodness-of-fit on F^2[31c] | 1.424 | 1.038 |
| Final R indices [I>2sigma(I)] | R1 = 0.0703, wR2 = 0.1776 | R1 = 0.0443, wR2 = 0.1124 |
| R indices (all data) | R1 = 0.0798, wR2 = 0.1823 | R1 = 0.0525, wR2 = 0.1209 |
| Largest diff. peak and hole | 1.687 and -1.477 e-/$Å^3$ | 3.099 and -1.406 e-/$Å^3$ |

**Computational.** DFT calculations were made using the Amsterdam Density Functional (ADF2009.01) suite on a 16-core Parallel Quantum Solutions (PQS) computational cluster. The structures prior to geometry optimization were based on coordinates extracted from the X-Ray crystal structure of **13**. Geometry optimizations of model ligand **A** and model ligand **B** were made without restraint in the ADF GUI using basis sets containing triple-ζ functions with one polarization function (TZP), and the local density approximations of Becke[1] and Perdew[2]. This was followed by single point calculations using triple-ζ functions with two polarization functions (TZ2P) and the B3LYP local density approximations of Becke(B3)[3], Lee-Yang-Parr (LYP)[4], Vosko-Wilk-Nusair (VWN)[5], and the assembly of Stephens et al[6]. Kohn-Sham representations of frontier orbitals were generated by the ADF 2009.01 GUI.

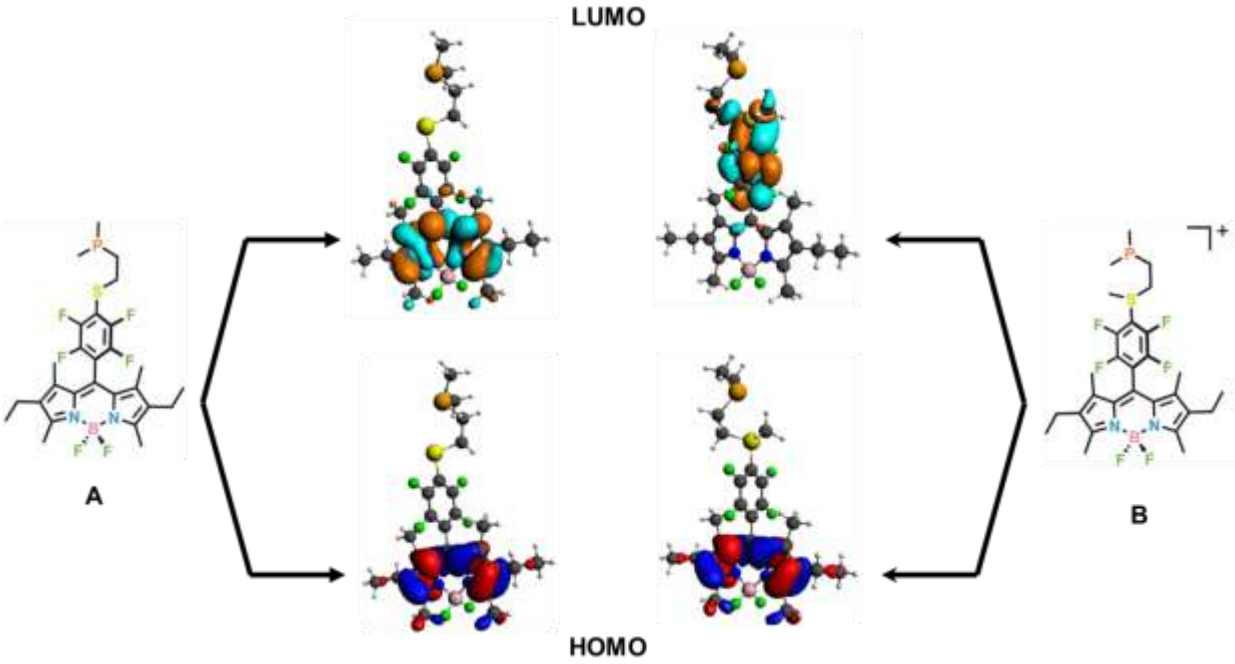


**Figure S-X.** Kohn-Sham reprentations of frontier molecular orbitals of model structure **A** and **B**.

We performed theoretical modeling on P,S-Bodipy ligands using DFT-B3LYP theory to confirm the hypothesis that PeT decay pathways are responsible for the decrease in fluorescence observed in closed complexes **14** and **16**, relative to their semi-open analogs **13** and **15**. The model ligands **A** and **B** display a dimethylphosphine moiety, rather than a diphenylphosphine group, given that substitution made the geometry optimization process simpler. Single-point energy calculations show that the meso substituent-centered, frontier orbitals in the model ligand are lowered in energy upon depletion of electron density on the sulfur moiety via methylation. Thus, while the meso substituent-centered LUMO lies too high in energy to interact with the

Bodipy excited state in the neutral ligand, its energy is lowered upon methylation to the extent that PeT can occur.

**Table S2.** Geometry optimized coordinates for model ligands **A** and **B**.

Model Complex A

| | Atoms | Coordinates | | | Charge | | Atomic |
|---|---|---|---|---|---|---|---|
| | | x | y | z | Nuclear | Core | Mass |
| 1 | H | 17.7108 | 5.9128 | 11.2593 | 1 | 1 | 1.0078 |
| 2 | H | 20.3081 | -3.4662 | 14.2282 | 1 | 1 | 1.0078 |
| 3 | H | 17.2326 | 4.553 | 12.3054 | 1 | 1 | 1.0078 |
| 4 | C | 18.2204 | -0.7184 | 14.94 | 6 | 6 | 12 |
| 5 | C | 18.9904 | -5.6425 | 11.2522 | 6 | 6 | 12 |
| 6 | C | 18.3595 | -0.7013 | 16.3272 | 6 | 6 | 12 |
| 7 | C | 18.8536 | 1.785 | 10.0808 | 6 | 6 | 12 |
| 8 | F | 16.9696 | -0.7806 | 14.424 | 9 | 9 | 18.9984 |
| 9 | C | 19.02 | 2.6652 | 11.1852 | 6 | 6 | 12 |
| 10 | H | 17.7117 | 1.7059 | 8.2728 | 1 | 1 | 1.0078 |
| 11 | C | 19.0842 | 0.502 | 11.8999 | 6 | 6 | 12 |
| 12 | C | 19.3504 | -3.8077 | 13.8082 | 6 | 6 | 12 |
| 13 | H | 19.5339 | -3.3988 | 8.1354 | 1 | 1 | 1.0078 |
| 14 | C | 19.3269 | -0.6944 | 14.0827 | 6 | 6 | 12 |
| 15 | H | 19.3606 | -4.904 | 13.8257 | 1 | 1 | 1.0078 |
| 16 | H | 18.556 | -3.4744 | 14.4918 | 1 | 1 | 1.0078 |
| 17 | C | 19.0289 | 4.1698 | 11.113 | 6 | 6 | 12 |
| 18 | N | 18.8986 | 0.5009 | 10.5129 | 7 | 7 | 14.0031 |
| 19 | S | 19.8836 | -0.6306 | 18.702 | 16 | 16 | 31.9721 |
| 20 | C | 19.1636 | -0.7171 | 12.5973 | 6 | 6 | 12 |
| 21 | C | 20.7279 | -0.6095 | 16.0842 | 6 | 6 | 12 |
| 22 | H | 19.73 | 4.5658 | 11.8633 | 1 | 1 | 1.0078 |
| 23 | H | 18.3166 | -5.9913 | 10.4544 | 1 | 1 | 1.0078 |
| 24 | H | 18.5606 | -6.0285 | 12.1887 | 1 | 1 | 1.0078 |
| 25 | H | 21.0725 | -5.966 | 11.8481 | 1 | 1 | 1.0078 |
| 26 | H | 19.4329 | 4.4858 | 10.1392 | 1 | 1 | 1.0078 |
| 27 | C | 17.6463 | 4.8163 | 11.3214 | 6 | 6 | 12 |
| 28 | C | 19.3598 | 2.4076 | 13.7188 | 6 | 6 | 12 |
| 29 | H | 20.3252 | 2.0994 | 14.1471 | 1 | 1 | 1.0078 |
| 30 | H | 18.5728 | 2.0725 | 14.4104 | 1 | 1 | 1.0078 |
| 31 | H | 19.3408 | 3.504 | 13.7084 | 1 | 1 | 1.0078 |
| 32 | C | 20.3852 | -6.2618 | 11.0425 | 6 | 6 | 12 |
| 33 | H | 20.8278 | -5.9278 | 10.0931 | 1 | 1 | 1.0078 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 34 | F | 21.9795 | -0.5494 | 16.601 | 9 | 9 | 18.9984 |
| 35 | F | 21.7037 | -0.6196 | 13.936 | 9 | 9 | 18.9984 |
| 36 | F | 17.2318 | -0.7809 | 17.0832 | 9 | 9 | 18.9984 |
| 37 | B | 18.7465 | -0.758 | 9.6142 | 5 | 5 | 11.0093 |
| 38 | H | 20.3296 | -7.3603 | 11.0257 | 1 | 1 | 1.0078 |
| 39 | F | 19.7527 | -0.7802 | 8.6288 | 9 | 9 | 18.9984 |
| 40 | F | 17.4829 | -0.7586 | 8.9886 | 9 | 9 | 18.9984 |
| 41 | C | 19.0742 | -1.9545 | 11.9363 | 6 | 6 | 12 |
| 42 | C | 19.1425 | -3.3131 | 12.4078 | 6 | 6 | 12 |
| 43 | C | 18.9858 | -4.1369 | 11.2856 | 6 | 6 | 12 |
| 44 | C | 18.6555 | 2.1295 | 8.643 | 6 | 6 | 12 |
| 45 | H | 18.6378 | 3.2153 | 8.5016 | 1 | 1 | 1.0078 |
| 46 | H | 17.7961 | -3.1378 | 8.287 | 1 | 1 | 1.0078 |
| 47 | H | 18.4848 | -4.752 | 8.6334 | 1 | 1 | 1.0078 |
| 48 | C | 18.5911 | 0.5646 | 19.292 | 6 | 6 | 12 |
| 49 | C | 19.6175 | -0.6236 | 16.9463 | 6 | 6 | 12 |
| 50 | H | 19.4574 | 1.6996 | 8.0274 | 1 | 1 | 1.0078 |
| 51 | C | 18.8335 | -3.2867 | 10.155 | 6 | 6 | 12 |
| 52 | N | 18.8858 | -1.9916 | 10.5501 | 7 | 7 | 14.0031 |
| 53 | C | 18.6479 | -3.6728 | 8.7262 | 6 | 6 | 12 |
| 54 | H | 16.9303 | 4.4723 | 10.5614 | 1 | 1 | 1.0078 |
| 55 | C | 20.5838 | -0.6484 | 14.6971 | 6 | 6 | 12 |
| 56 | C | 19.1594 | 1.8724 | 12.3322 | 6 | 6 | 12 |
| 57 | C | 19.0285 | 1.1781 | 20.6229 | 6 | 6 | 12 |
| 58 | P | 19.3933 | -0.0767 | 21.9737 | 15 | 15 | 30.9738 |
| 59 | C | 17.6567 | -0.5425 | 22.4629 | 6 | 6 | 12 |
| 60 | C | 19.7944 | 1.1185 | 23.3452 | 6 | 6 | 12 |
| 61 | H | 19.9015 | 0.5613 | 24.2867 | 1 | 1 | 1.0078 |
| 62 | H | 19.019 | 1.8902 | 23.4734 | 1 | 1 | 1.0078 |
| 63 | H | 20.7566 | 1.6063 | 23.1349 | 1 | 1 | 1.0078 |
| 64 | H | 17.6985 | -1.1604 | 23.3713 | 1 | 1 | 1.0078 |
| 65 | H | 17.1985 | -1.1541 | 21.673 | 1 | 1 | 1.0078 |
| 66 | H | 17.0213 | 0.336 | 22.6574 | 1 | 1 | 1.0078 |
| 67 | H | 18.2413 | 1.8739 | 20.9616 | 1 | 1 | 1.0078 |
| 68 | H | 19.9497 | 1.7625 | 20.4755 | 1 | 1 | 1.0078 |
| 69 | H | 17.6347 | 0.0397 | 19.3862 | 1 | 1 | 1.0078 |
| 70 | H | 18.49 | 1.3396 | 18.5229 | 1 | 1 | 1.0078 |

Model Complex B

| | Atoms | Coordinates | | | Charge | | Atomic Mass |
|---|---|---|---|---|---|---|---|
| | | x | y | z | Nuclear | Core | |
| 1 | H | 17.7629 | 5.9144 | 11.3548 | 1 | 1 | 1.0078 |
| 2 | H | 20.2409 | -3.4607 | 14.2856 | 1 | 1 | 1.0078 |
| 3 | H | 17.2227 | 4.5469 | 12.3587 | 1 | 1 | 1.0078 |
| 4 | C | 18.1316 | -0.9251 | 14.9312 | 6 | 6 | 12 |
| 5 | C | 19.065 | -5.6519 | 11.1852 | 6 | 6 | 12 |
| 6 | C | 18.2099 | -0.9146 | 16.3216 | 6 | 6 | 12 |
| 7 | C | 18.9281 | 1.8047 | 10.1775 | 6 | 6 | 12 |
| 8 | F | 16.9257 | -1.0969 | 14.3682 | 9 | 9 | 18.9984 |
| 9 | C | 19.064 | 2.6662 | 11.3058 | 6 | 6 | 12 |
| 10 | H | 17.8724 | 1.7187 | 8.3207 | 1 | 1 | 1.0078 |
| 11 | C | 19.1086 | 0.4884 | 11.9761 | 6 | 6 | 12 |
| 12 | C | 19.3513 | -3.8801 | 13.792 | 6 | 6 | 12 |
| 13 | H | 19.6809 | -3.3578 | 8.1479 | 1 | 1 | 1.0078 |
| 14 | C | 19.2728 | -0.7577 | 14.1283 | 6 | 6 | 12 |
| 15 | H | 19.4839 | -4.9678 | 13.7659 | 1 | 1 | 1.0078 |
| 16 | H | 18.4788 | -3.6785 | 14.4338 | 1 | 1 | 1.0078 |
| 17 | C | 19.0806 | 4.1714 | 11.2579 | 6 | 6 | 12 |
| 18 | N | 18.9603 | 0.514 | 10.5869 | 7 | 7 | 14.0031 |
| 19 | S | 19.6425 | -0.6859 | 18.7478 | 16 | 16 | 31.9721 |
| 20 | C | 19.1669 | -0.7515 | 12.6389 | 6 | 6 | 12 |
| 21 | C | 20.5899 | -0.5631 | 16.1799 | 6 | 6 | 12 |
| 22 | H | 19.7436 | 4.5544 | 12.0483 | 1 | 1 | 1.0078 |
| 23 | H | 18.3821 | -5.9825 | 10.3879 | 1 | 1 | 1.0078 |
| 24 | H | 18.6497 | -6.0676 | 12.1154 | 1 | 1 | 1.0078 |
| 25 | H | 21.16 | -5.9788 | 11.7405 | 1 | 1 | 1.0078 |
| 26 | H | 19.5369 | 4.4983 | 10.3117 | 1 | 1 | 1.0078 |
| 27 | C | 17.6899 | 4.8185 | 11.401 | 6 | 6 | 12 |
| 28 | C | 19.3259 | 2.3707 | 13.8383 | 6 | 6 | 12 |
| 29 | H | 20.322 | 2.1509 | 14.2541 | 1 | 1 | 1.0078 |
| 30 | H | 18.5709 | 1.9597 | 14.5256 | 1 | 1 | 1.0078 |
| 31 | H | 19.2093 | 3.4604 | 13.8499 | 1 | 1 | 1.0078 |
| 32 | C | 20.4615 | -6.2533 | 10.9369 | 6 | 6 | 12 |
| 33 | H | 20.8881 | -5.8904 | 9.9913 | 1 | 1 | 1.0078 |
| 34 | F | 21.7925 | -0.3854 | 16.7641 | 9 | 9 | 18.9984 |
| 35 | F | 21.6287 | -0.4243 | 14.08 | 9 | 9 | 18.9984 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 36 | F | 17.0805 | -1.0818 | 17.0571 | 9 | 9 | 18.9984 |
| 37 | B | 18.8179 | -0.7285 | 9.6538 | 5 | 5 | 11.0093 |
| 38 | H | 20.4102 | -7.3502 | 10.8878 | 1 | 1 | 1.0078 |
| 39 | F | 19.8369 | -0.7284 | 8.6913 | 9 | 9 | 18.9984 |
| 40 | F | 17.5612 | -0.7155 | 9.0279 | 9 | 9 | 18.9984 |
| 41 | C | 19.0991 | -1.9797 | 11.9578 | 6 | 6 | 12 |
| 42 | C | 19.1701 | -3.3502 | 12.3994 | 6 | 6 | 12 |
| 43 | C | 19.0479 | -4.1482 | 11.2582 | 6 | 6 | 12 |
| 44 | C | 18.7756 | 2.179 | 8.7437 | 6 | 6 | 12 |
| 45 | H | 18.7114 | 3.2656 | 8.6283 | 1 | 1 | 1.0078 |
| 46 | H | 17.9448 | -3.0631 | 8.245 | 1 | 1 | 1.0078 |
| 47 | H | 18.5884 | -4.6981 | 8.5816 | 1 | 1 | 1.0078 |
| 48 | C | 18.318 | 0.5182 | 19.3109 | 6 | 6 | 12 |
| 49 | C | 19.4405 | -0.7268 | 16.9714 | 6 | 6 | 12 |
| 50 | H | 19.6249 | 1.8054 | 8.1547 | 1 | 1 | 1.0078 |
| 51 | C | 18.9157 | -3.27 | 10.1413 | 6 | 6 | 12 |
| 52 | N | 18.9477 | -1.9854 | 10.5686 | 7 | 7 | 14.0031 |
| 53 | C | 18.7692 | -3.6249 | 8.7021 | 6 | 6 | 12 |
| 54 | H | 17.0136 | 4.4879 | 10.6002 | 1 | 1 | 1.0078 |
| 55 | C | 20.4983 | -0.5836 | 14.7849 | 6 | 6 | 12 |
| 56 | C | 19.1677 | 1.8527 | 12.4381 | 6 | 6 | 12 |
| 57 | C | 18.8395 | 1.3238 | 20.4987 | 6 | 6 | 12 |
| 58 | P | 19.5136 | 0.2056 | 21.8543 | 15 | 15 | 30.9738 |
| 59 | C | 18.0313 | 0.0178 | 22.9563 | 6 | 6 | 12 |
| 60 | C | 20.5488 | 1.4017 | 22.8162 | 6 | 6 | 12 |
| 61 | H | 20.9072 | 0.9005 | 23.7259 | 1 | 1 | 1.0078 |
| 62 | H | 19.9878 | 2.3027 | 23.1041 | 1 | 1 | 1.0078 |
| 63 | H | 21.4279 | 1.6899 | 22.2243 | 1 | 1 | 1.0078 |
| 64 | H | 18.3238 | -0.5651 | 23.841 | 1 | 1 | 1.0078 |
| 65 | H | 17.2378 | -0.5426 | 22.4416 | 1 | 1 | 1.0078 |
| 66 | H | 17.6327 | 0.9888 | 23.2851 | 1 | 1 | 1.0078 |
| 67 | H | 18.0224 | 1.9679 | 20.8613 | 1 | 1 | 1.0078 |
| 68 | H | 19.6552 | 1.985 | 20.1703 | 1 | 1 | 1.0078 |
| 69 | H | 17.4302 | -0.0826 | 19.5404 | 1 | 1 | 1.0078 |
| 70 | H | 18.1122 | 1.1337 | 18.4263 | 1 | 1 | 1.0078 |
| 71 | C | 19.0383 | -2.3368 | 19.2464 | 6 | 6 | 12 |
| 72 | H | 19.7119 | -3.0611 | 18.7725 | 1 | 1 | 1.0078 |
| 73 | H | 18.0045 | -2.4782 | 18.9188 | 1 | 1 | 1.0078 |
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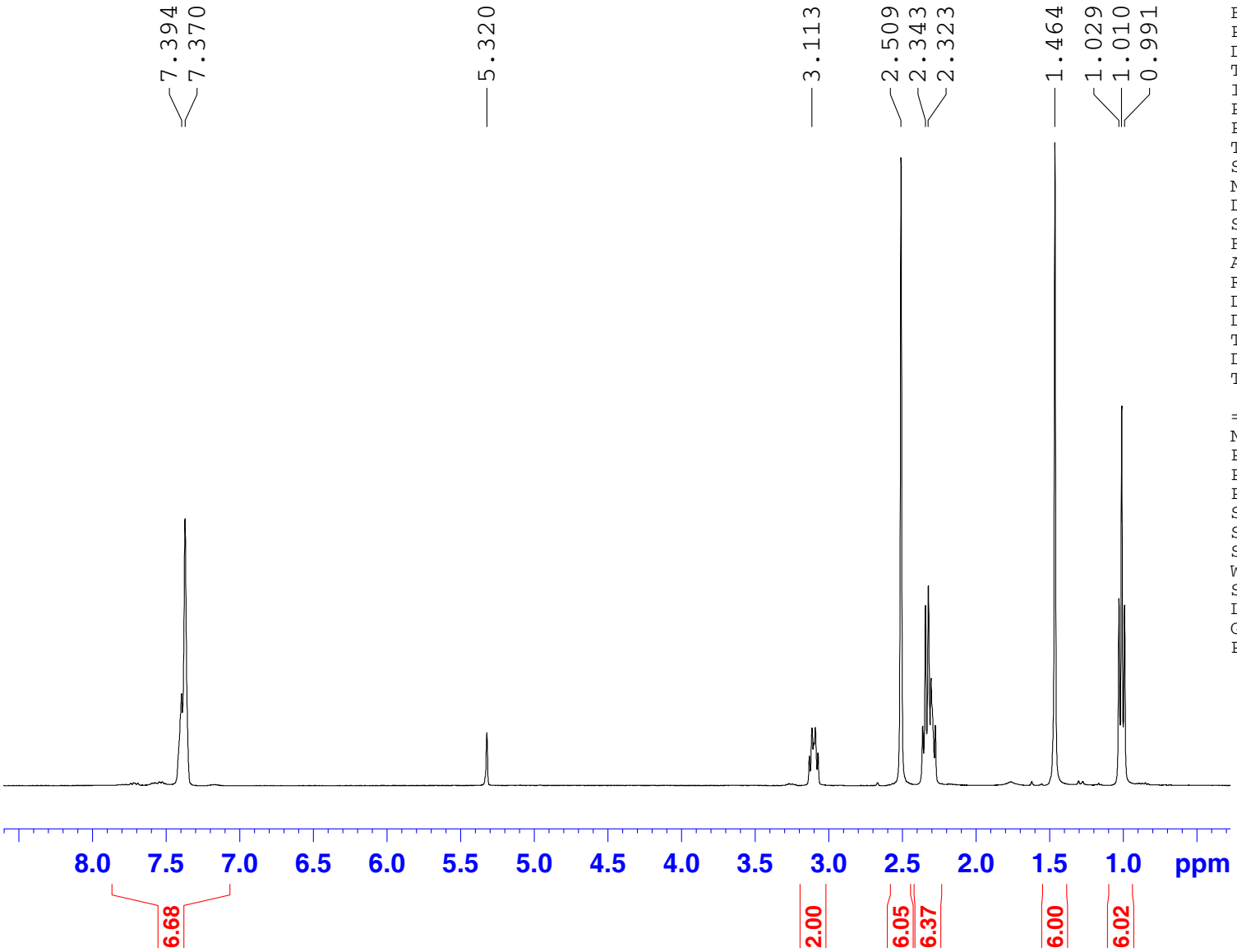
1H P,S-Bodipy (3)

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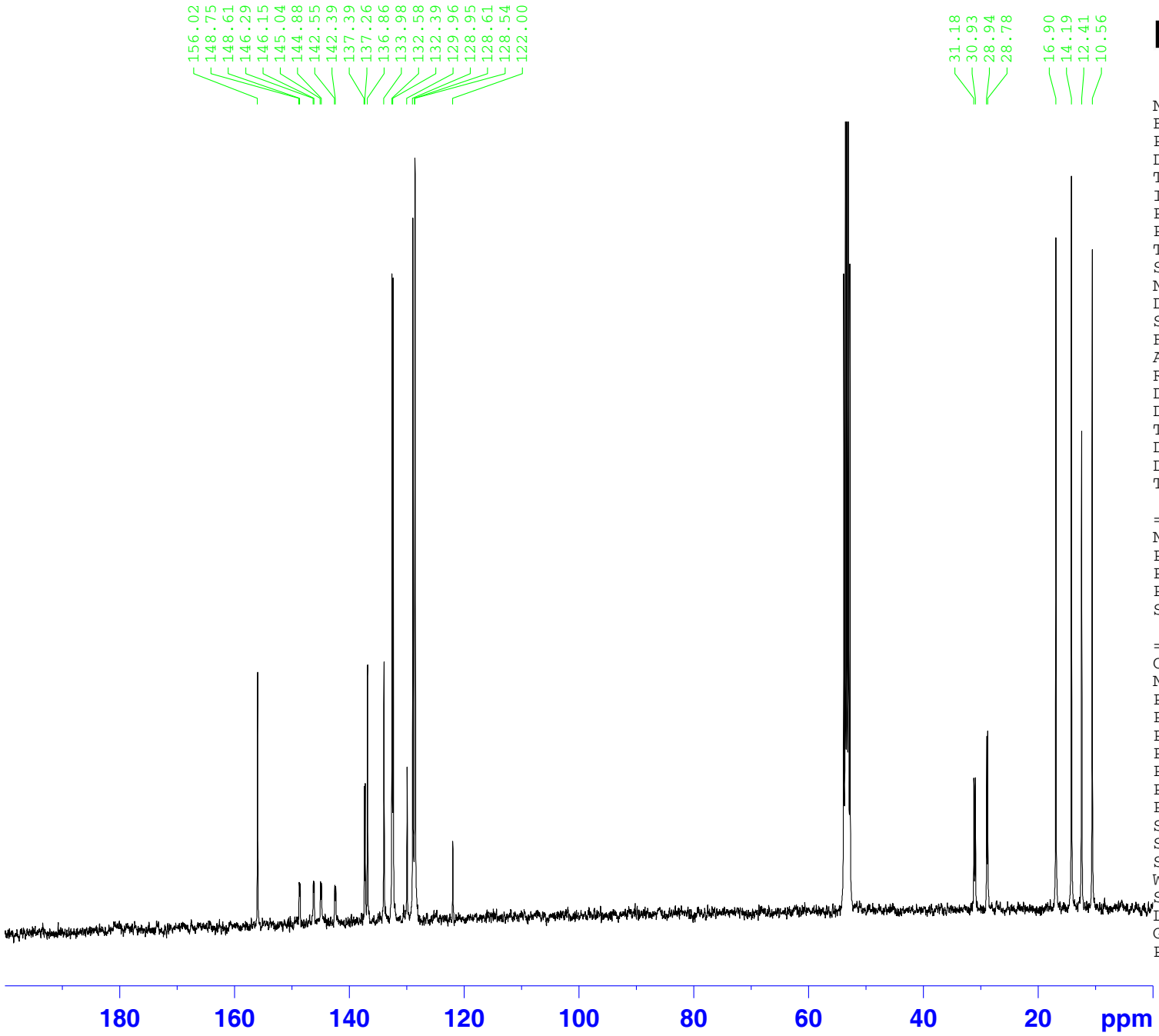


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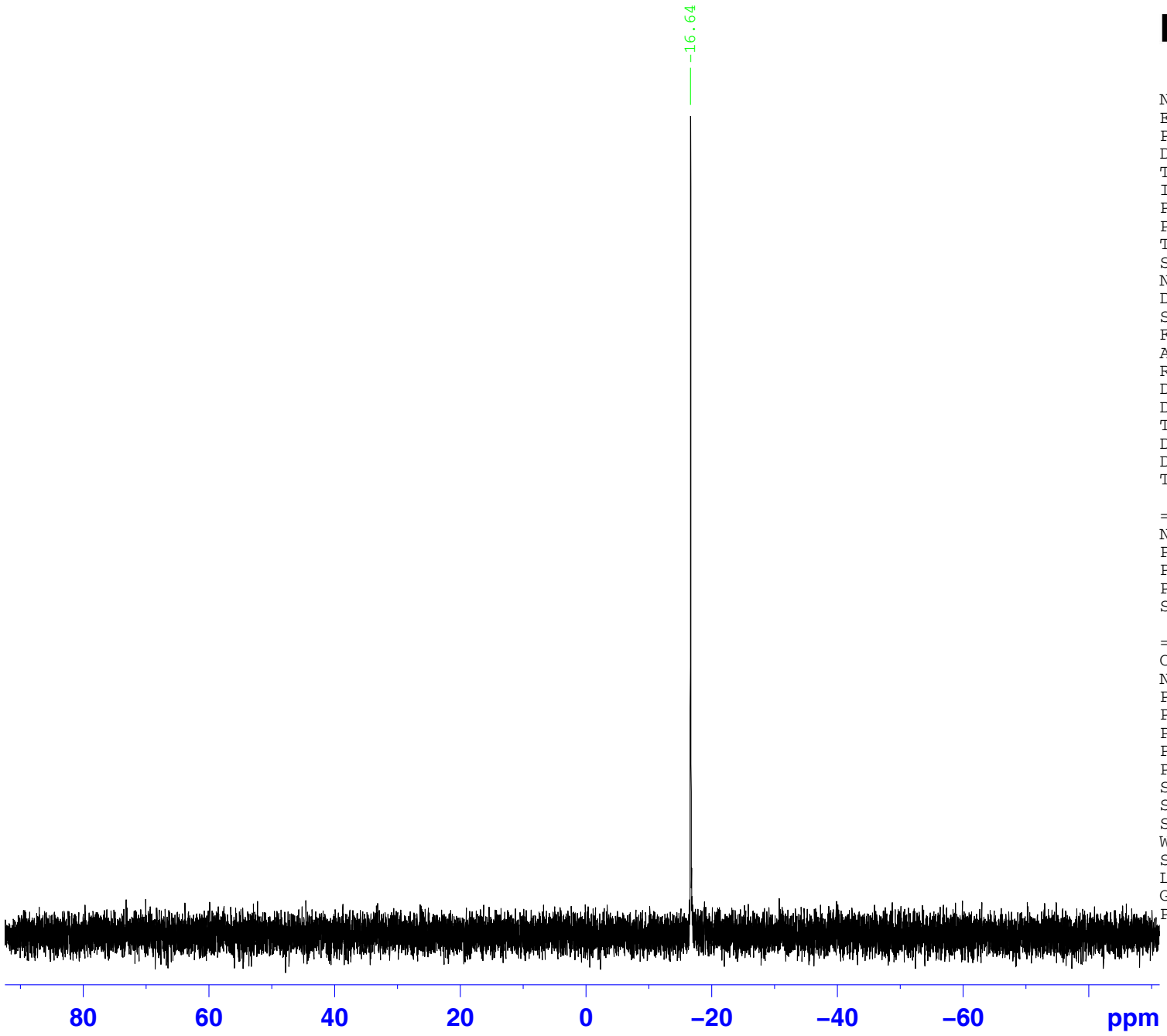
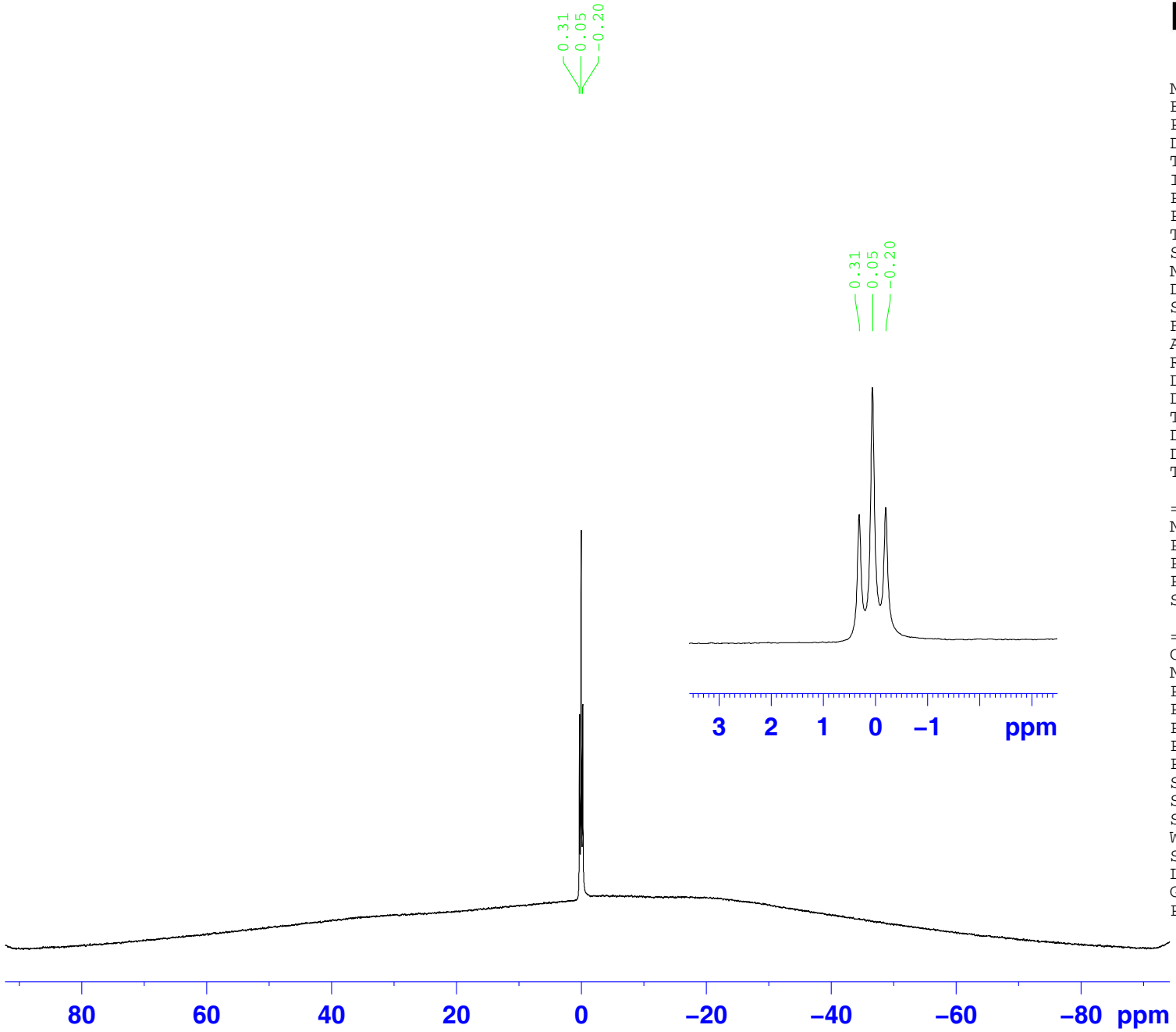
| NUC2 | 1H |
| PCPD2 | 80.00 usec |
| PL2 | -0.50 dB |
| PL12 | 14.25 dB |
| PL13 | 16.25 dB |
| PL2W | 14.48648834 W |
| PL12W | 0.48524728 W |
| PL13W | 0.30617034 W |
| SFO2 | 400.1616006 MHz |
| SI | 32768 |
| SF | 100.6203176 MHz |
| WDW | EM |
| SSB | 0 |
| LB | 5.00 Hz |
| GB | 0 |
| PC | 1.40 |

31P{1H} P,S-Bodipy (3)



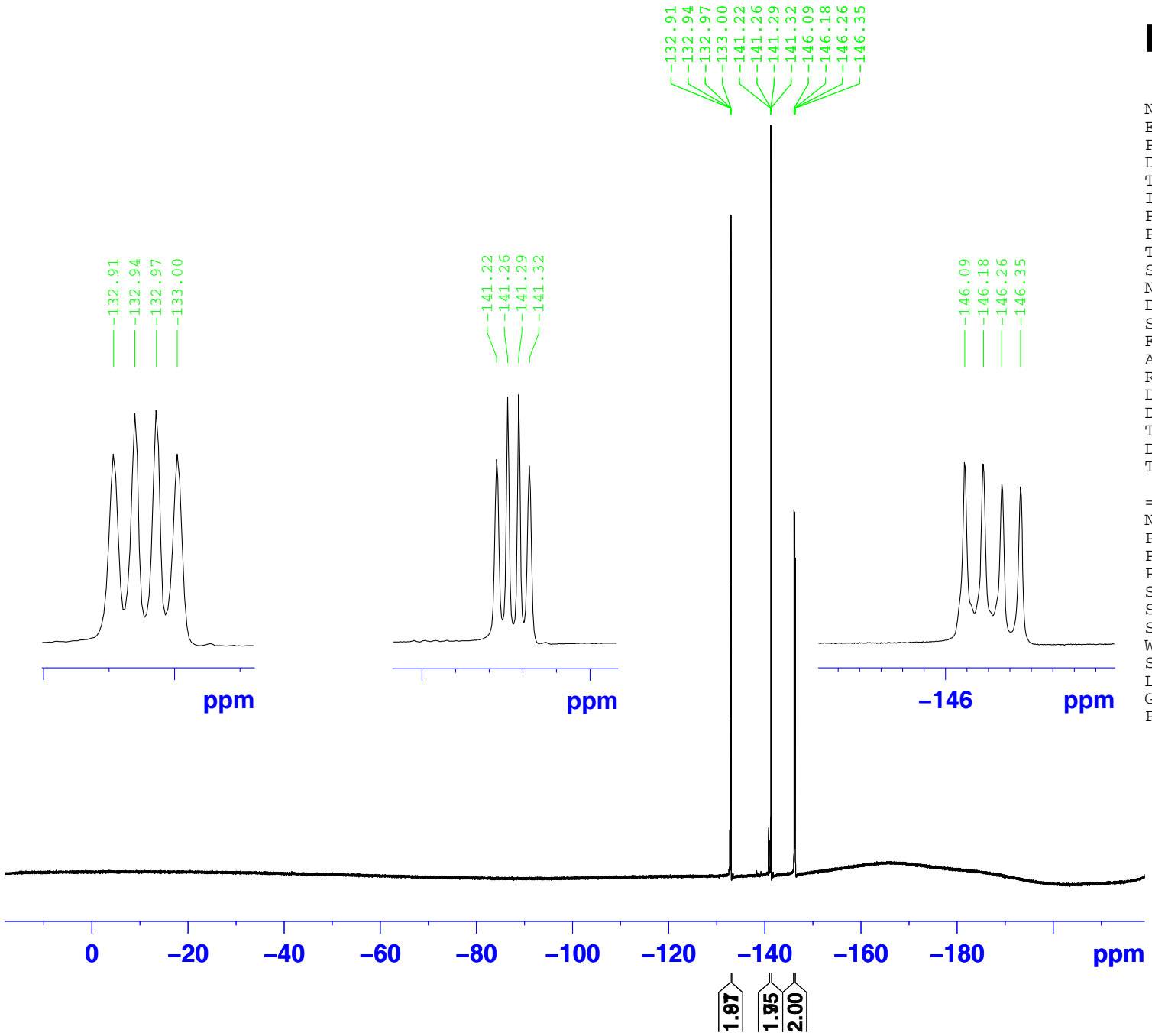

| | |
|---|---|
| NAME | Paper |
| EXPNO | 4 |
| PROCNO | 1 |
| Date_ | 20120611 |
| Time | 15.48 |
| INSTRUM | spect |
| PROBHD | 5 mm PABBO BB- |
| PULPROG | zgig |
| TD | 52080 |
| SOLVENT | CD2Cl2 |
| NS | 16 |
| DS | 0 |
| SWH | 29761.904 Hz |
| FIDRES | 0.571465 Hz |
| AQ | 0.8749940 sec |
| RG | 1820 |
| DW | 16.800 usec |
| DE | 6.50 usec |
| TE | 303.4 K |
| D1 | 0.60000002 sec |
| D11 | 0.03000000 sec |
| TD0 | 1 |
| ======== CHANNEL f1 ======== | |
| NUC1 | 31P |
| P1 | 15.66 usec |
| PL1 | 3.00 dB |
| PL1W | 12.96693134 W |
| SFO1 | 161.9755930 MHz |
| ======== CHANNEL f2 ======== | |
| CPDPRG2 | waltz16 |
| NUC2 | 1H |
| PCPD2 | 80.00 usec |
| PL2 | -0.50 dB |
| PL12 | 14.25 dB |
| PL2W | 14.48648834 W |
| PL12W | 0.48524728 W |
| SFO2 | 400.1316005 MHz |
| SI | 32768 |
| SF | 161.9754972 MHz |
| WDW | EM |
| SSB | 0 |
| LB | 1.00 Hz |
| GB | 0 |
| PC | 1.40 |

11B{1H} PS-Bodipy (3)



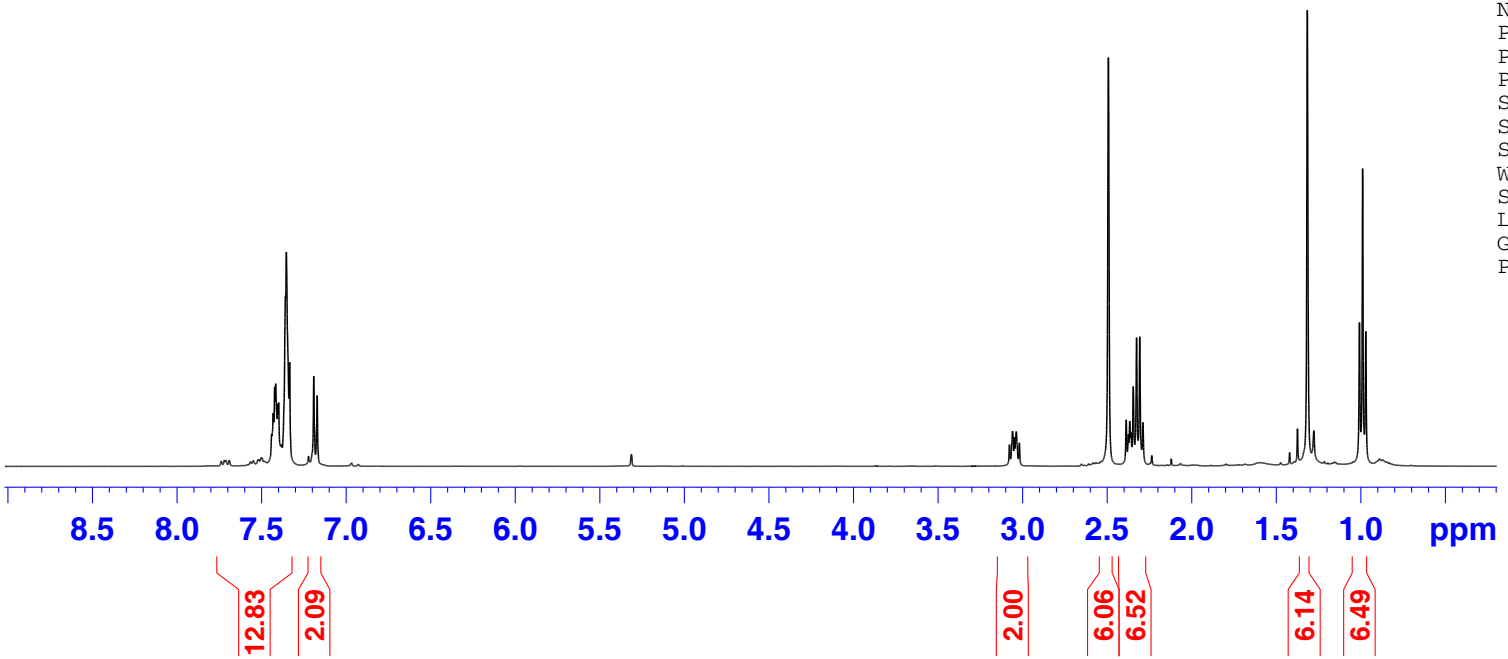

| | |
|---|---|
| NAME | Paper |
| EXPNO | 5 |
| PROCNO | 1 |
| Date_ | 20120611 |
| Time | 15.58 |
| INSTRUM | spect |
| PROBHD | 5 mm PABBO BB- |
| PULPROG | zgig |
| TD | 65536 |
| SOLVENT | CD2Cl2 |
| NS | 72 |
| DS | 0 |
| SWH | 24038.461 Hz |
| FIDRES | 0.366798 Hz |
| AQ | 1.3631988 sec |
| RG | 575 |
| DW | 20.800 usec |
| DE | 6.50 usec |
| TE | 303.1 K |
| D1 | 1.00000000 sec |
| D11 | 0.03000000 sec |
| TD0 | 1 |
| ======== CHANNEL f1 ======== | |
| NUC1 | 11B |
| P1 | 12.80 usec |
| PL1 | 1.00 dB |
| PL1W | 17.63811874 W |
| SFO1 | 128.3776050 MHz |
| ======== CHANNEL f2 ======== | |
| CPDPRG2 | waltz16 |
| NUC2 | 1H |
| PCPD2 | 80.00 usec |
| PL2 | -0.50 dB |
| PL12 | 14.20 dB |
| PL2W | 14.48648834 W |
| PL12W | 0.49086621 W |
| SFO2 | 400.1316005 MHz |
| SI | 32768 |
| SF | 128.3776824 MHz |
| WDW | EM |
| SSB | 0 |
| LB | 5.00 Hz |
| GB | 0 |
| PC | 1.40 |

19F P,S-Bodipy (3)



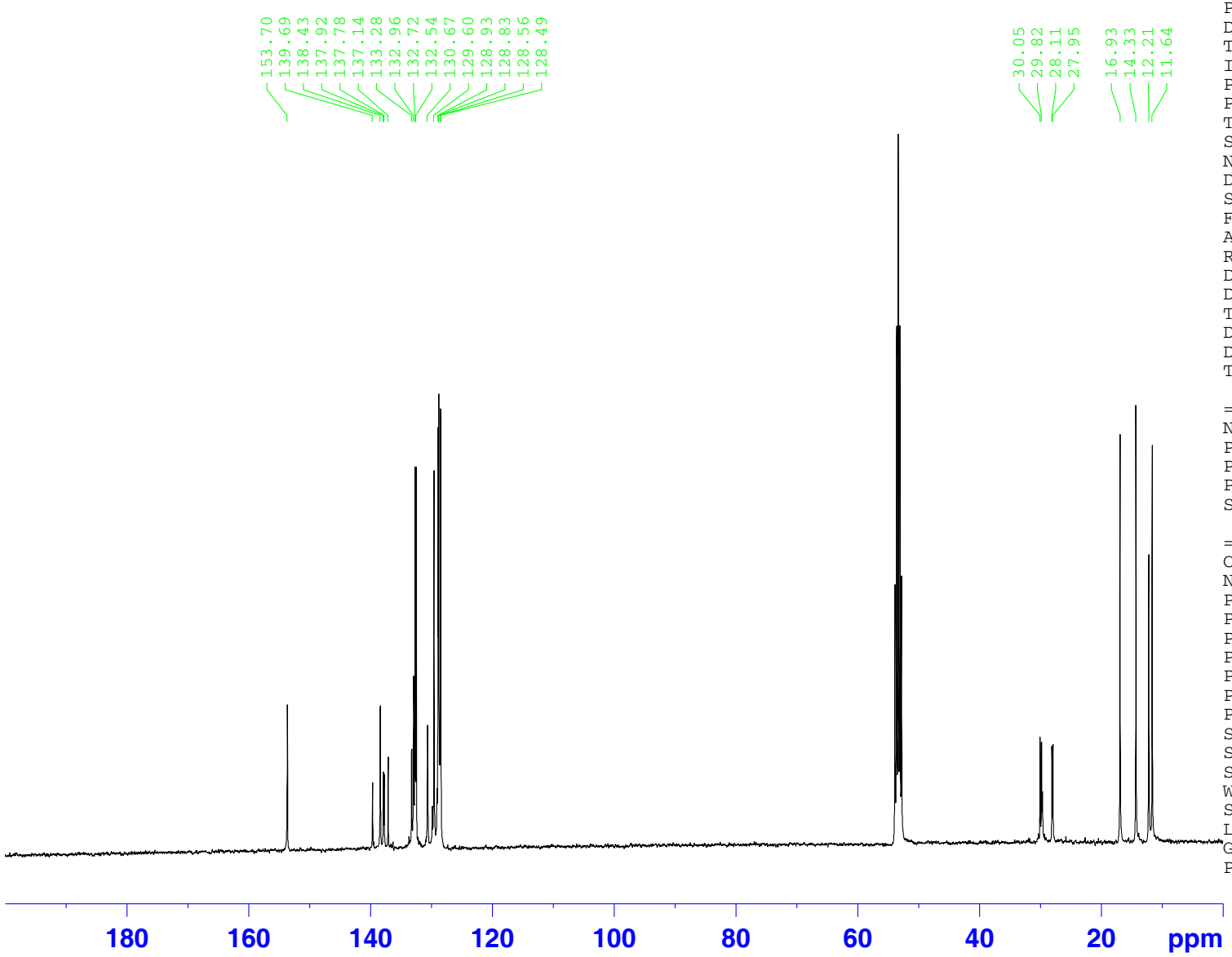

| | |
|---|---|
| NAME | Paper |
| EXPNO | 3 |
| PROCNO | 1 |
| Date_ | 20120611 |
| Time | 15.42 |
| INSTRUM | spect |
| PROBHD | 5 mm PABBO BB- |
| PULPROG | zg |
| TD | 131072 |
| SOLVENT | CD2Cl2 |
| NS | 84 |
| DS | 0 |
| SWH | 89285.711 Hz |
| FIDRES | 0.681196 Hz |
| AQ | 0.7340532 sec |
| RG | 724 |
| DW | 5.600 usec |
| DE | 6.50 usec |
| TE | 303.1 K |
| D1 | 1.00000000 sec |
| TD0 | 1 |
| ======== CHANNEL f1 ======== | |
| NUC1 | 19F |
| P1 | 14.75 usec |
| PL1 | -3.20 dB |
| PL1W | 18.89306831 W |
| SFO1 | 376.4607164 MHz |
| SI | 65536 |
| SF | 376.4985425 MHz |
| WDW | EM |
| SSB | 0 |
| LB | 0.30 Hz |
| GB | 0 |
| PC | 1.00 |

1H P,S-Bodipy (6)

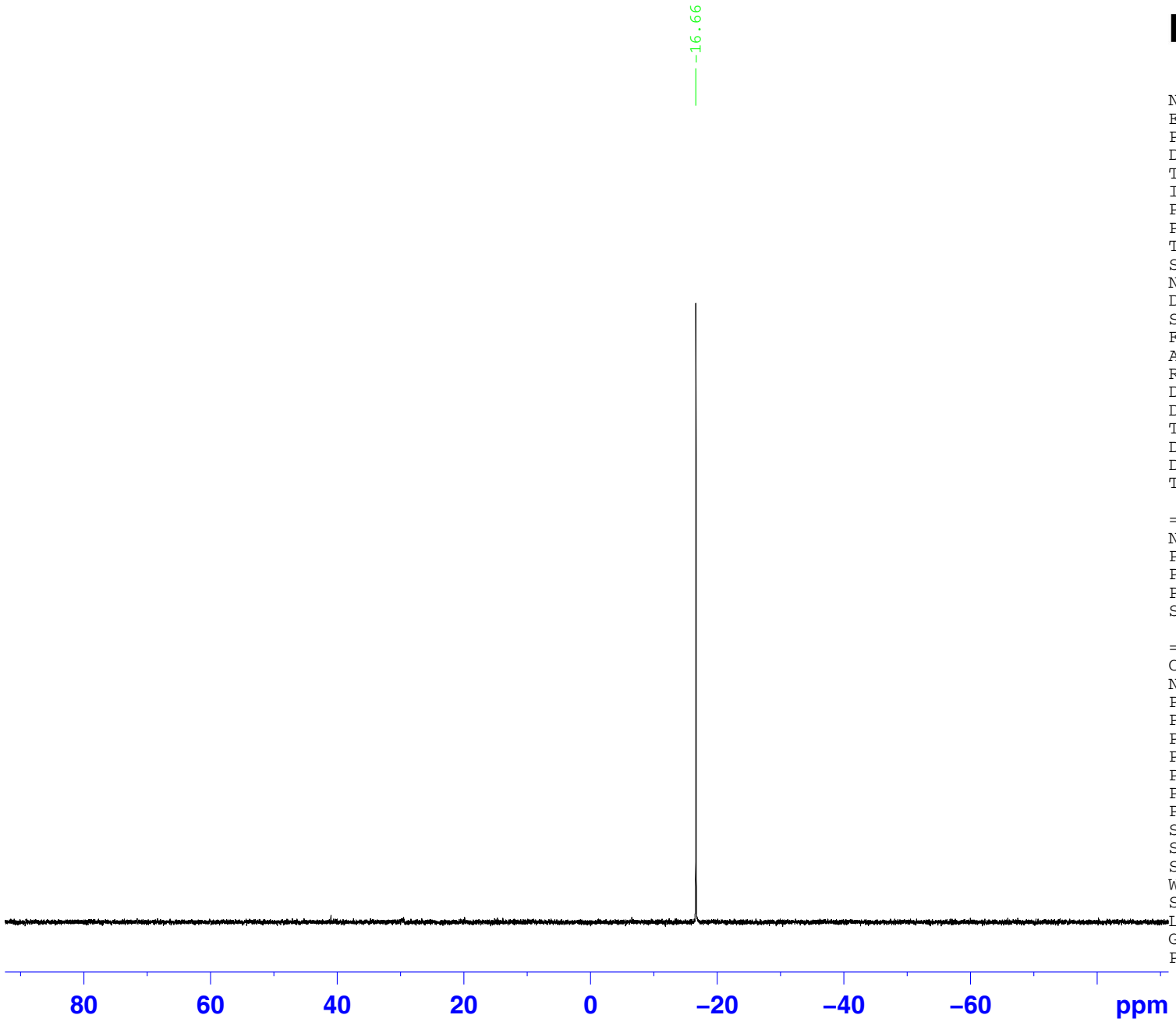

| | |
|---|---|
| NAME | Paper |
| EXPNO | 40 |
| PROCNO | 1 |
| Date_ | 20121203 |
| Time | 22.47 |
| INSTRUM | spect |
| PROBHD | 5 mm PABBO BB- |
| PULPROG | zg30 |
| TD | 65536 |
| SOLVENT | CD2Cl2 |
| NS | 16 |
| DS | 2 |
| SWH | 8223.685 Hz |
| FIDRES | 0.125483 Hz |
| AQ | 3.9846387 sec |
| RG | 57 |
| DW | 60.800 usec |
| DE | 6.50 usec |
| TE | 303.0 K |
| D1 | 1.00000000 sec |
| TD0 | 1 |
| ======== CHANNEL f1 ======== | |
| NUC1 | 1H |
| P1 | 15.00 usec |
| PL1 | -0.65 dB |
| PL1W | 14.99557495 W |
| SFO1 | 400.1624712 MHz |
| SI | 32768 |
| SF | 400.1600143 MHz |
| WDW | EM |
| SSB | 0 |
| LB | 0.30 Hz |
| GB | 0 |
| PC | 1.00 |

13C{1H) P,S-Bodipy (6)



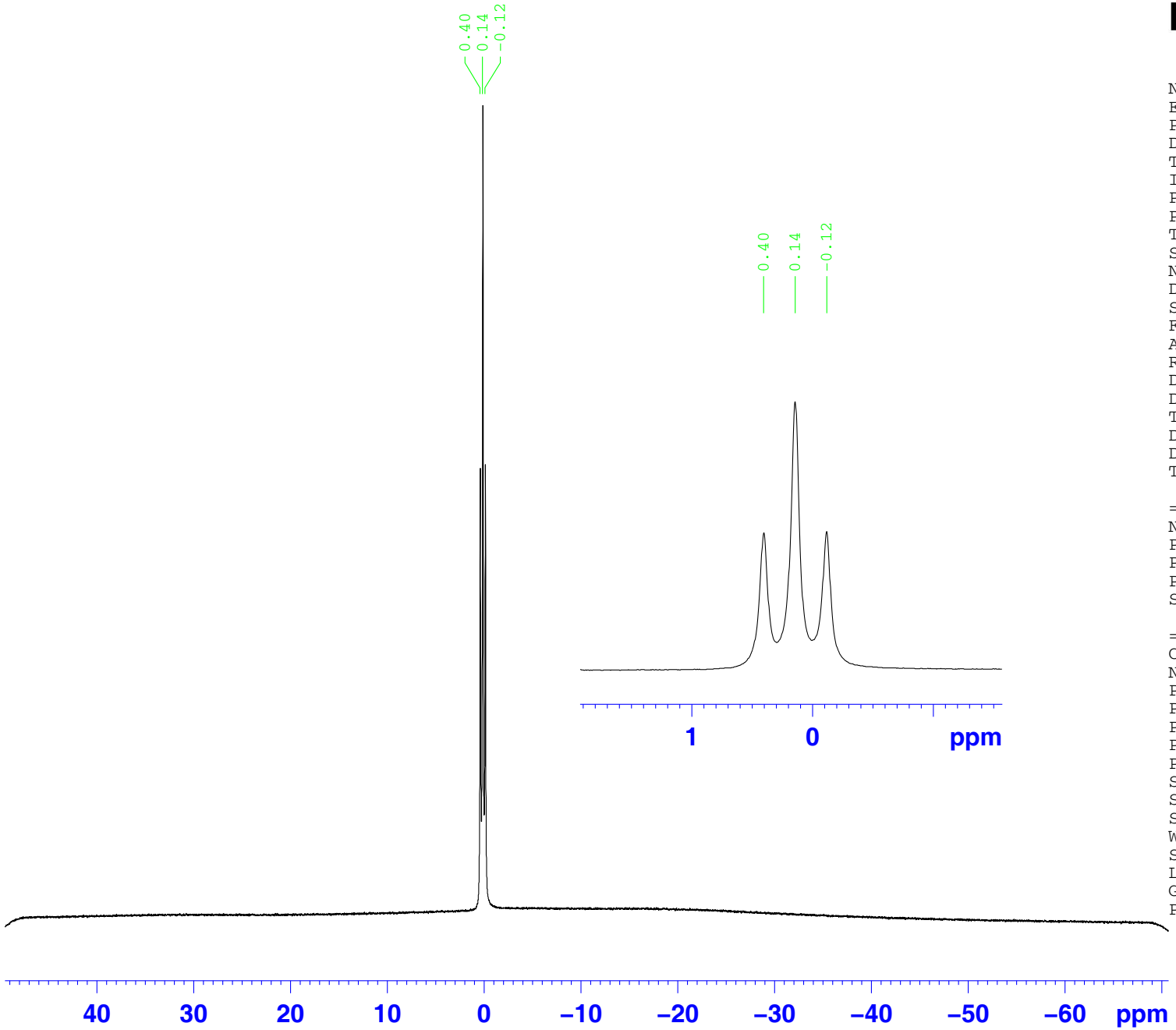

| | |
|---|---|
| NAME | Paper |
| EXPNO | 44 |
| PROCNO | 1 |
| Date_ | 20121204 |
| Time | 3.58 |
| INSTRUM | spect |
| PROBHD | 5 mm PABBO BB- |
| PULPROG | zgpg30 |
| TD | 65536 |
| SOLVENT | CD2Cl2 |
| NS | 6000 |
| DS | 0 |
| SWH | 40760.871 Hz |
| FIDRES | 0.621962 Hz |
| AQ | 0.8039582 sec |
| RG | 406 |
| DW | 12.267 usec |
| DE | 6.50 usec |
| TE | 303.0 K |
| D1 | 2.00000000 sec |
| D11 | 0.03000000 sec |
| TD0 | 1 |
| ======== CHANNEL f1 ======== | |
| NUC1 | 13C |
| P1 | 9.98 usec |
| PL1 | -3.35 dB |
| PL1W | 83.66055298 W |
| SFO1 | 100.6303741 MHz |
| ======== CHANNEL f2 ======== | |
| CPDPRG2 | waltz16 |
| NUC2 | 1H |
| PCPD2 | 80.00 usec |
| PL2 | -0.50 dB |
| PL12 | 14.25 dB |
| PL13 | 16.25 dB |
| PL2W | 14.48648834 W |
| PL12W | 0.48524728 W |
| PL13W | 0.30617034 W |
| SFO2 | 400.1616006 MHz |
| SI | 32768 |
| SF | 100.6203145 MHz |
| WDW | EM |
| SSB | 0 |
| LB | 5.00 Hz |
| GB | 0 |
| PC | 1.40 |

31P{1H} P,S-Bodipy (6)



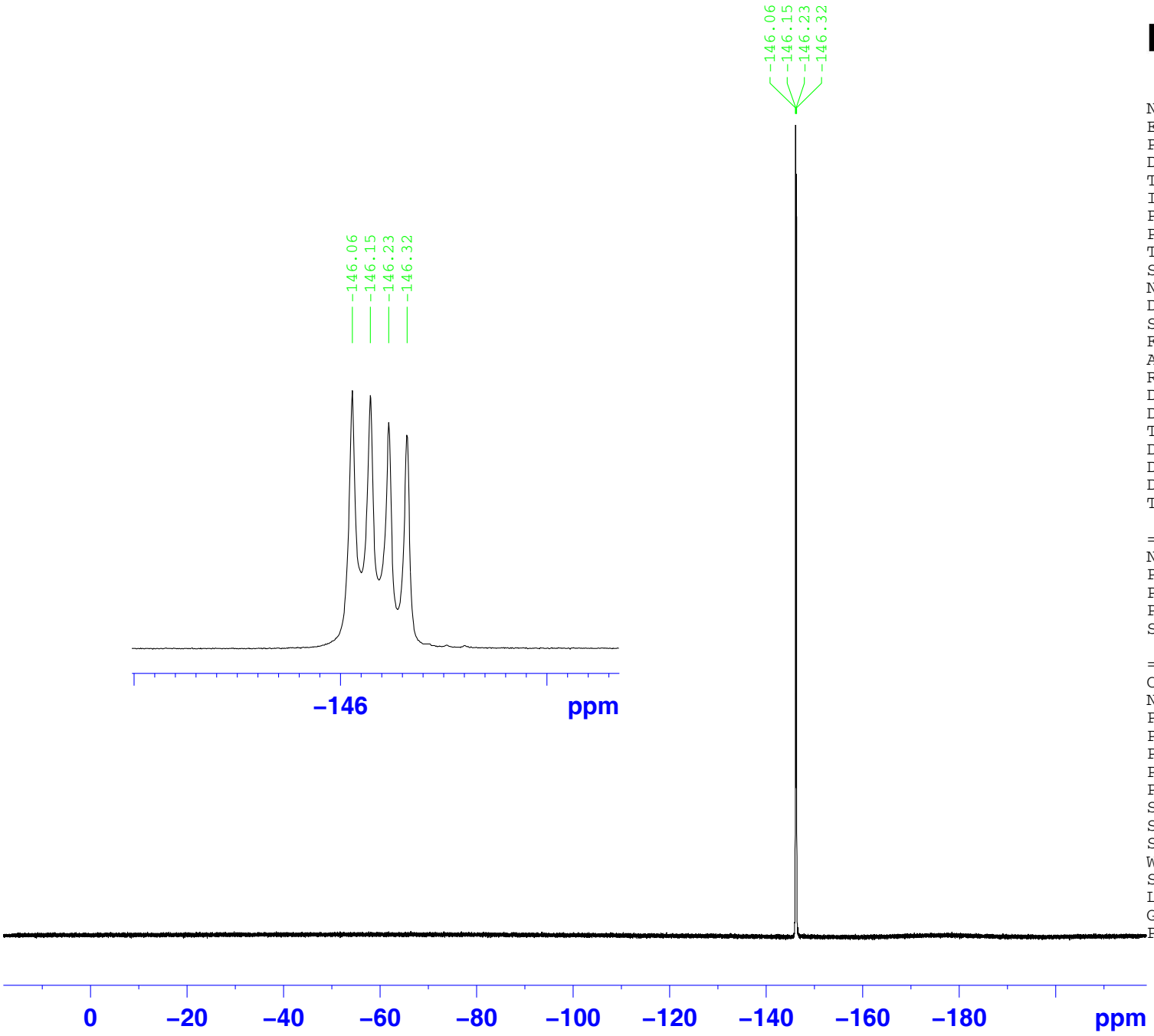

| | |
|---|---|
| NAME | Paper |
| EXPNO | 43 |
| PROCNO | 1 |
| Date_ | 20121203 |
| Time | 23.08 |
| INSTRUM | spect |
| PROBHD | 5 mm PABBO BB- |
| PULPROG | zgpg30 |
| TD | 65536 |
| SOLVENT | CD2Cl2 |
| NS | 7 |
| DS | 4 |
| SWH | 64102.563 Hz |
| FIDRES | 0.978127 Hz |
| AQ | 0.5112308 sec |
| RG | 2050 |
| DW | 7.800 usec |
| DE | 6.50 usec |
| TE | 303.4 K |
| D1 | 2.00000000 sec |
| D11 | 0.03000000 sec |
| TD0 | 1 |
| ======== CHANNEL f1 ======== | |
| NUC1 | 31P |
| P1 | 14.90 usec |
| PL1 | 1.95 dB |
| PL1W | 16.51342773 W |
| SFO1 | 161.9796378 MHz |
| ======== CHANNEL f2 ======== | |
| CPDPRG2 | waltz16 |
| NUC2 | 1H |
| PCPD2 | 80.00 usec |
| PL2 | -0.50 dB |
| PL12 | 14.25 dB |
| PL13 | 16.25 dB |
| PL2W | 14.48648834 W |
| PL12W | 0.48524728 W |
| PL13W | 0.30617034 W |
| SFO2 | 400.1616006 MHz |
| SI | 32768 |
| SF | 161.9876419 MHz |
| WDW | EM |
| SSB | 0 |
| LB | 1.00 Hz |
| GB | 0 |
| PC | 1.40 |

11B{1H} P,S-Bodipy (6)



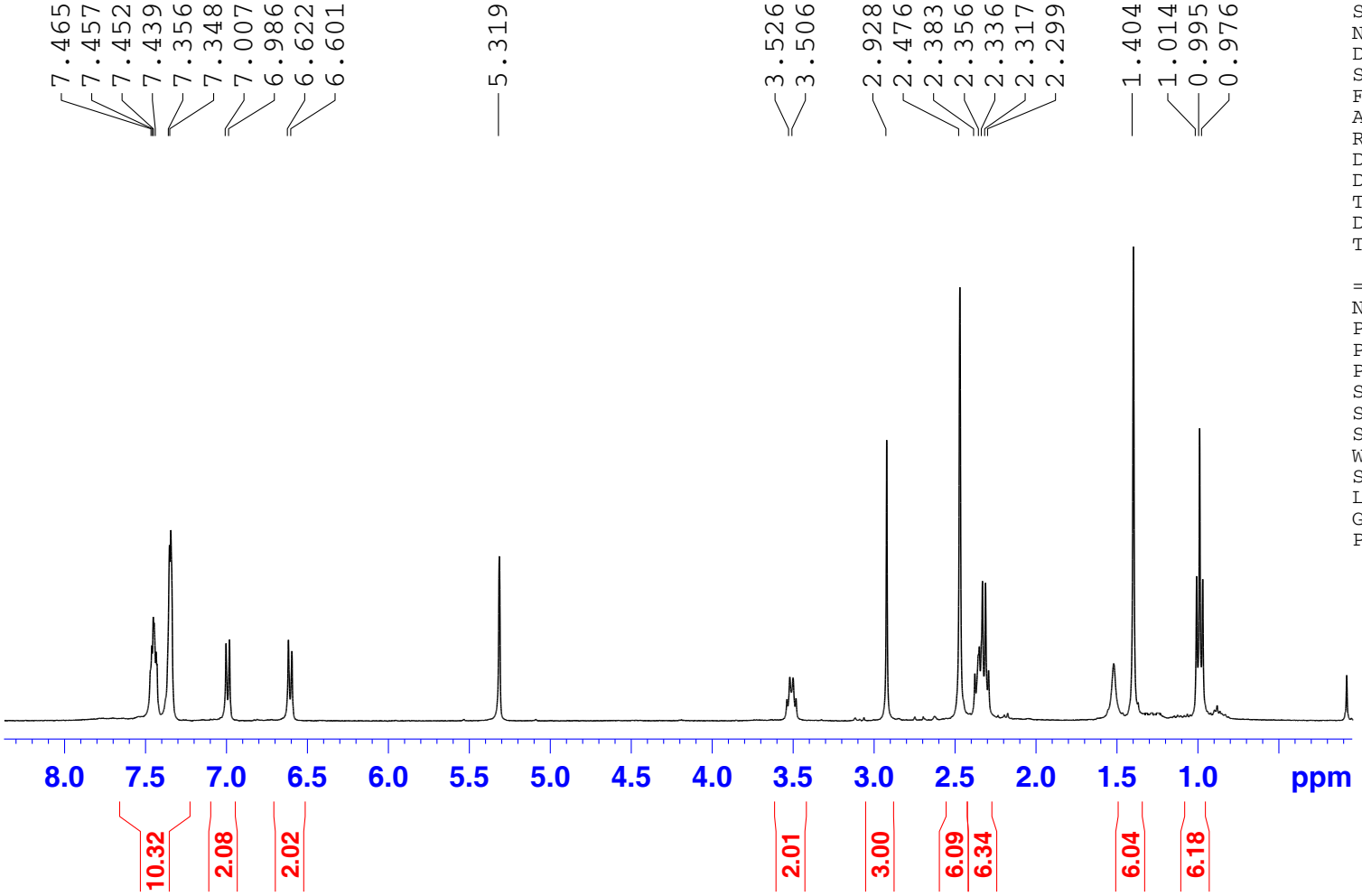

| | |
|---|---|
| NAME | Paper |
| EXPNO | 41 |
| PROCNO | 1 |
| Date_ | 20121203 |
| Time | 22.54 |
| INSTRUM | spect |
| PROBHD | 5 mm PABBO BB- |
| PULPROG | zgig |
| TD | 16384 |
| SOLVENT | CD2Cl2 |
| NS | 73 |
| DS | 0 |
| SWH | 15432.099 Hz |
| FIDRES | 0.941901 Hz |
| AQ | 0.5308916 sec |
| RG | 512 |
| DW | 32.400 usec |
| DE | 6.50 usec |
| TE | 303.1 K |
| D1 | 1.00000000 sec |
| D11 | 0.03000000 sec |
| TD0 | 1 |
| ======== CHANNEL f1 ======== | |
| NUC1 | 11B |
| P1 | 12.80 usec |
| PL1 | 1.00 dB |
| PL1W | 17.63811874 W |
| SFO1 | 128.3859468 MHz |
| ======== CHANNEL f2 ======== | |
| CPDPRG2 | waltz16 |
| NUC2 | 1H |
| PCPD2 | 80.00 usec |
| PL2 | -0.50 dB |
| PL12 | 14.25 dB |
| PL2W | 14.48648834 W |
| PL12W | 0.48524728 W |
| SFO2 | 400.1616006 MHz |
| SI | 32768 |
| SF | 128.3873079 MHz |
| WDW | EM |
| SSB | 0 |
| LB | 1.00 Hz |
| GB | 0 |
| PC | 1.40 |

19F P,S-Bodipy (6)



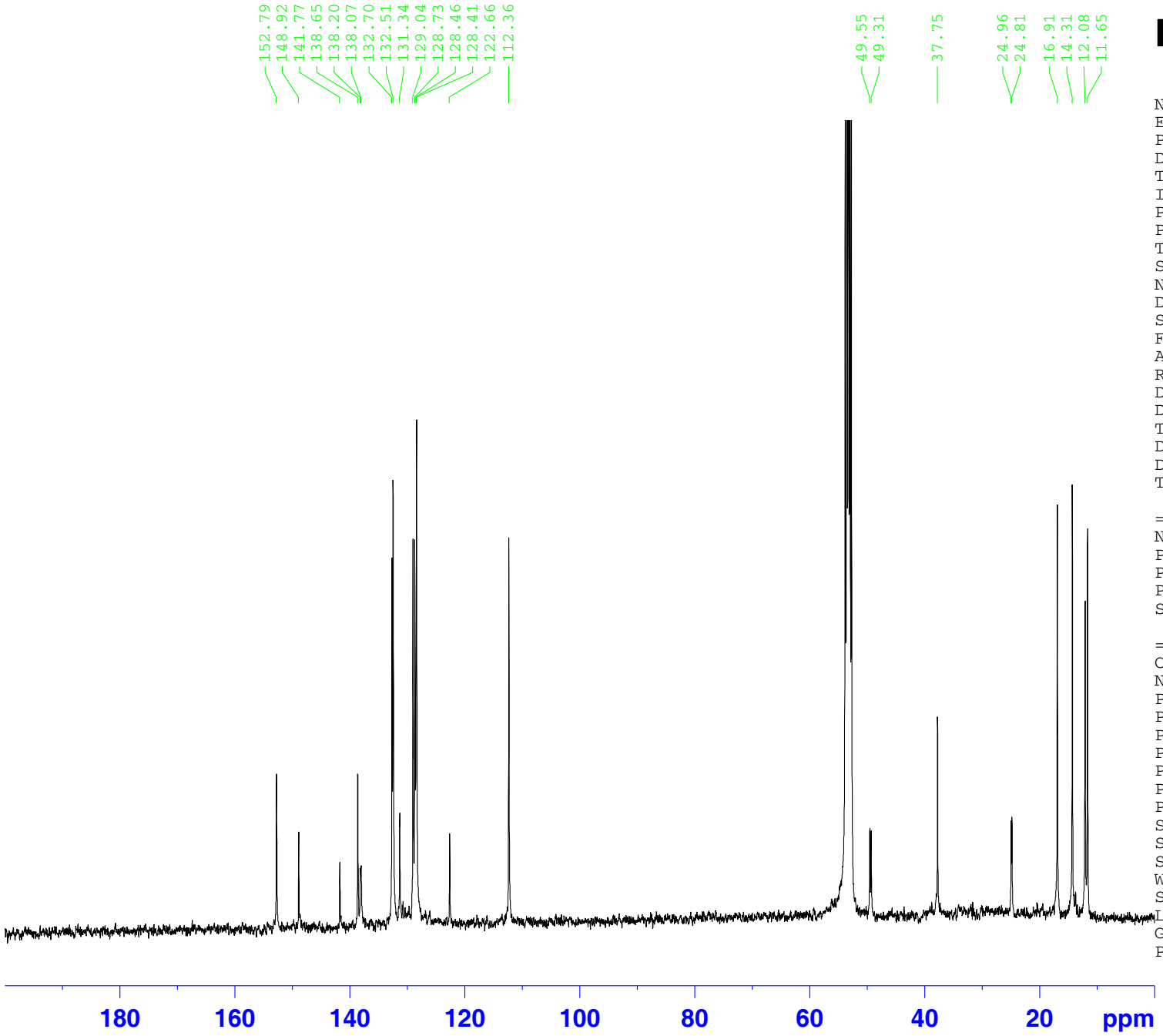

| | |
|---|---|
| NAME | Paper |
| EXPNO | 42 |
| PROCNO | 1 |
| Date_ | 20121203 |
| Time | 23.01 |
| INSTRUM | spect |
| PROBHD | 5 mm PABBO BB- |
| PULPROG | zgfhigqn |
| TD | 131072 |
| SOLVENT | CD2Cl2 |
| NS | 16 |
| DS | 4 |
| SWH | 89285.711 Hz |
| FIDRES | 0.681196 Hz |
| AQ | 0.7340532 sec |
| RG | 2050 |
| DW | 5.600 usec |
| DE | 6.50 usec |
| TE | 303.2 K |
| D1 | 1.00000000 sec |
| D11 | 0.03000000 sec |
| D12 | 0.00002000 sec |
| TD0 | 1 |
| ======== CHANNEL f1 ======== | |
| NUC1 | 19F |
| P1 | 19.50 usec |
| PL1 | -4.00 dB |
| PL1W | 22.71446419 W |
| SFO1 | 376.4889418 MHz |
| ======== CHANNEL f2 ======== | |
| CPDPRG2 | waltz16 |
| NUC2 | 1H |
| PCPD2 | 112.00 usec |
| PL2 | -4.00 dB |
| PL12 | 18.00 dB |
| PL2W | 32.43120575 W |
| PL12W | 0.20462708 W |
| SFO2 | 400.1616006 MHz |
| SI | 65536 |
| SF | 376.5267818 MHz |
| WDW | EM |
| SSB | 0 |
| LB | 0.30 Hz |
| GB | 0 |
| PC | 1.00 |

1H P,N-Bodipy (12)



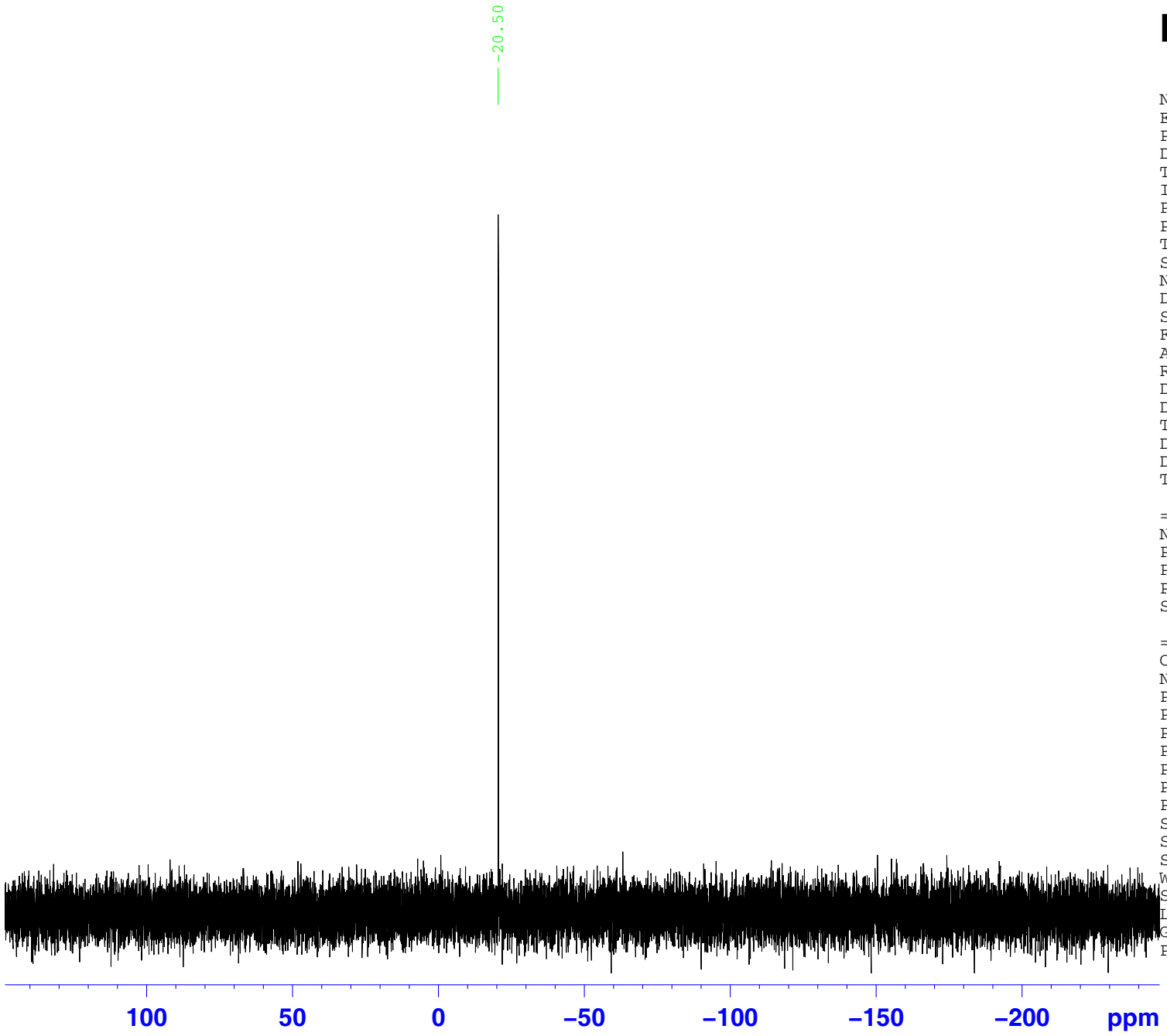

| | |
|---|---|
| NAME | Paper |
| EXPNO | 30 |
| PROCNO | 1 |
| Date_ | 20121203 |
| Time | 12.29 |
| INSTRUM | spect |
| PROBHD | 5 mm PABBO BB- |
| PULPROG | zg30 |
| TD | 65536 |
| SOLVENT | CD2Cl2 |
| NS | 16 |
| DS | 2 |
| SWH | 8223.685 Hz |
| FIDRES | 0.125483 Hz |
| AQ | 3.9846387 sec |
| RG | 256 |
| DW | 60.800 usec |
| DE | 6.50 usec |
| TE | 303.0 K |
| D1 | 1.00000000 sec |
| TD0 | 1 |
| ======== CHANNEL f1 ======== | |
| NUC1 | 1H |
| P1 | 15.00 usec |
| PL1 | -0.65 dB |
| PL1W | 14.99557495 W |
| SFO1 | 400.1624712 MHz |
| SI | 32768 |
| SF | 400.1600143 MHz |
| WDW | EM |
| SSB | 0 |
| LB | 0.30 Hz |
| GB | 0 |
| PC | 1.00 |

13C{1H} P,N-Bodipy (12)



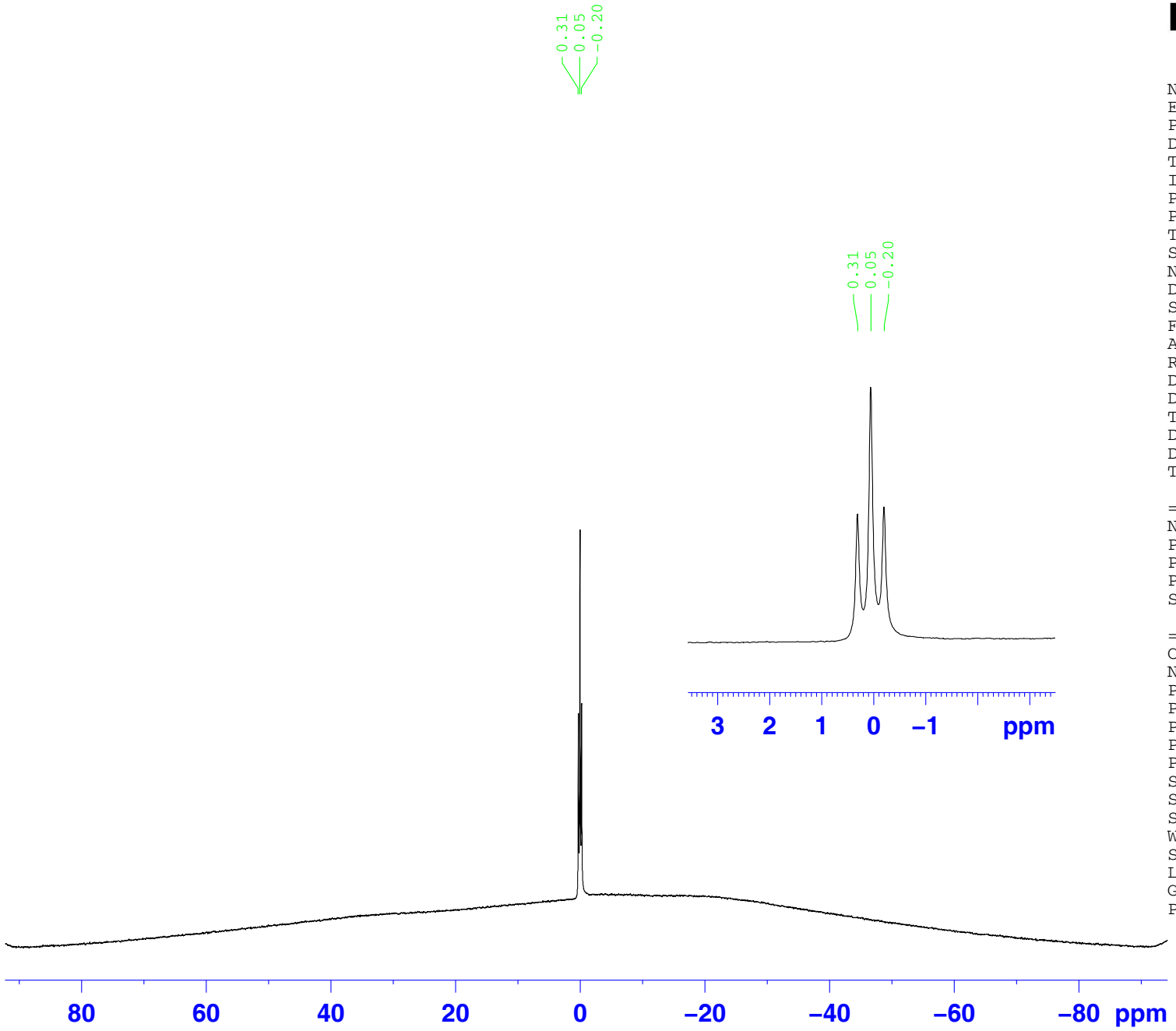

| | |
|---|---|
| NAME | Paper |
| EXPNO | 48 |
| PROCNO | 1 |
| Date_ | 20121205 |
| Time | 8.00 |
| INSTRUM | spect |
| PROBHD | 5 mm PABBO BB- |
| PULPROG | zgpg30 |
| TD | 65536 |
| SOLVENT | CD2Cl2 |
| NS | 12000 |
| DS | 0 |
| SWH | 40760.871 Hz |
| FIDRES | 0.621962 Hz |
| AQ | 0.8039582 sec |
| RG | 406 |
| DW | 12.267 usec |
| DE | 6.50 usec |
| TE | 306.8 K |
| D1 | 2.00000000 sec |
| D11 | 0.03000000 sec |
| TD0 | 1 |
| ======== CHANNEL f1 ======== | |
| NUC1 | 13C |
| P1 | 9.98 usec |
| PL1 | -3.35 dB |
| PL1W | 83.66055298 W |
| SFO1 | 100.6303741 MHz |
| ======== CHANNEL f2 ======== | |
| CPDPRG2 | waltz16 |
| NUC2 | 1H |
| PCPD2 | 80.00 usec |
| PL2 | -0.50 dB |
| PL12 | 14.25 dB |
| PL13 | 16.25 dB |
| PL2W | 14.48648834 W |
| PL12W | 0.48524728 W |
| PL13W | 0.30617034 W |
| SFO2 | 400.1616006 MHz |
| SI | 32768 |
| SF | 100.6203176 MHz |
| WDW | EM |
| SSB | 0 |
| LB | 5.00 Hz |
| GB | 0 |
| PC | 1.40 |

31P{1H} P,N-Bodipy (12)



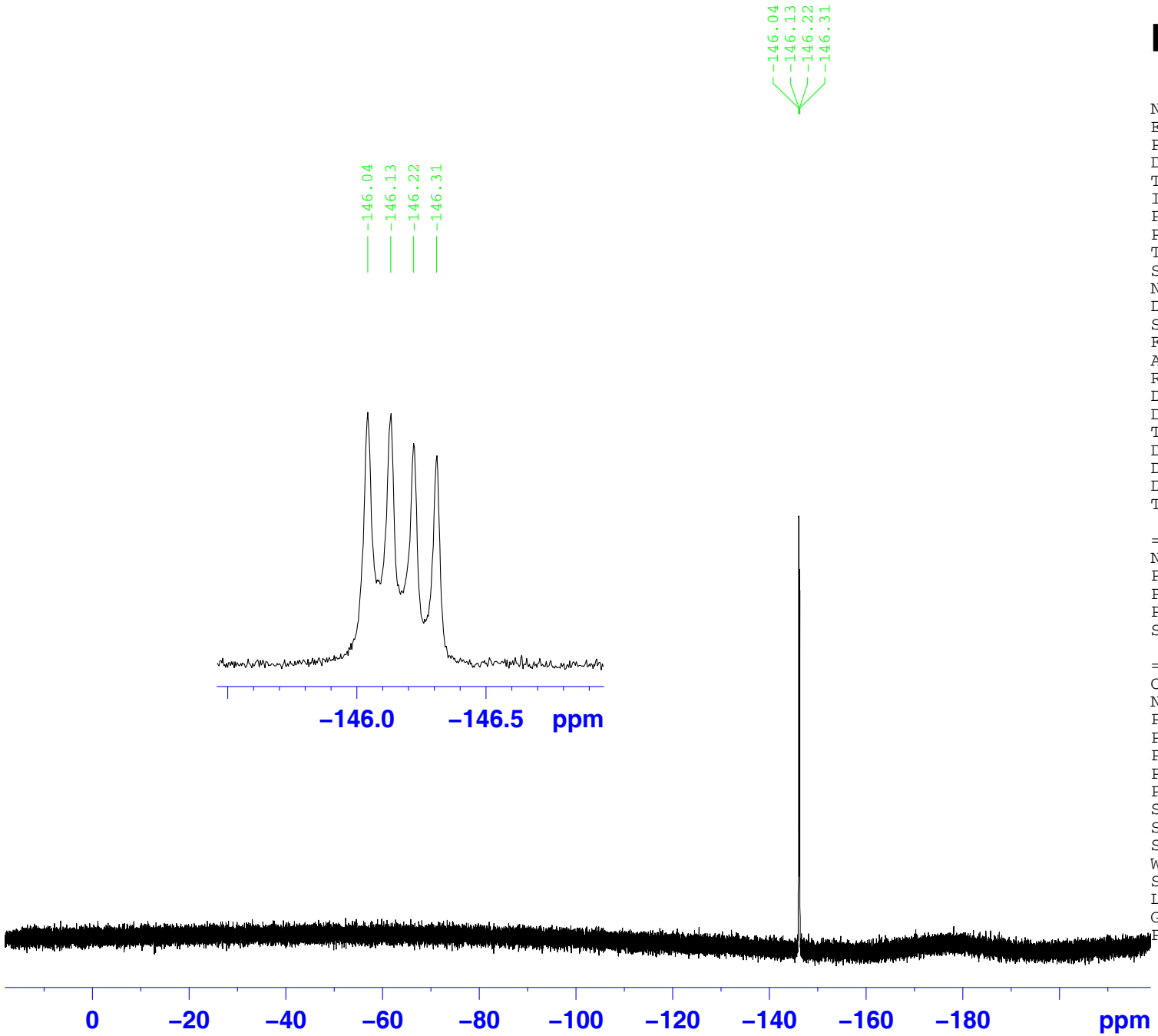

| | |
|---|---|
| NAME | Paper |
| EXPNO | 33 |
| PROCNO | 1 |
| Date_ | 20121203 |
| Time | 14.08 |
| INSTRUM | spect |
| PROBHD | 5 mm PABBO BB- |
| PULPROG | zgpg30 |
| TD | 65536 |
| SOLVENT | CD2Cl2 |
| NS | 16 |
| DS | 4 |
| SWH | 64102.563 Hz |
| FIDRES | 0.978127 Hz |
| AQ | 0.5112308 sec |
| RG | 2050 |
| DW | 7.800 usec |
| DE | 6.50 usec |
| TE | 303.1 K |
| D1 | 2.00000000 sec |
| D11 | 0.03000000 sec |
| TD0 | 1 |
| ======== CHANNEL f1 ======== | |
| NUC1 | 31P |
| P1 | 14.90 usec |
| PL1 | 1.95 dB |
| PL1W | 16.51342773 W |
| SFO1 | 161.9796378 MHz |
| ======== CHANNEL f2 ======== | |
| CPDPRG2 | waltz16 |
| NUC2 | 1H |
| PCPD2 | 80.00 usec |
| PL2 | -0.50 dB |
| PL12 | 14.25 dB |
| PL13 | 16.25 dB |
| PL2W | 14.48648834 W |
| PL12W | 0.48524728 W |
| PL13W | 0.30617034 W |
| SFO2 | 400.1616006 MHz |
| SI | 32768 |
| SF | 161.9876242 MHz |
| WDW | EM |
| SSB | 0 |
| LB | 1.00 Hz |
| GB | 0 |
| PC | 1.40 |

11B{1H} P,N-Bodipy (12)



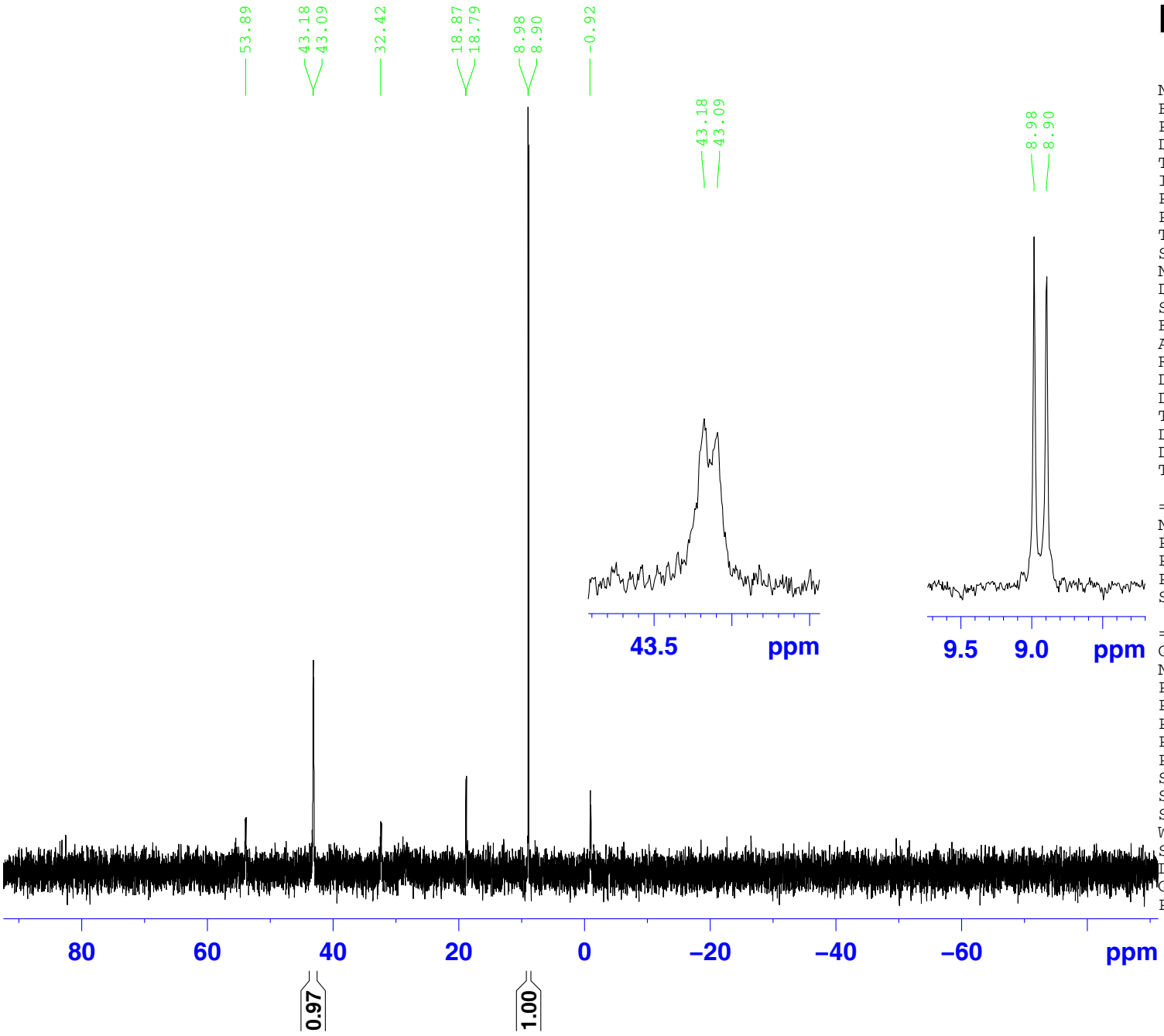

| | |
|---|---|
| NAME | Paper |
| EXPNO | 5 |
| PROCNO | 1 |
| Date_ | 20120611 |
| Time | 15.58 |
| INSTRUM | spect |
| PROBHD | 5 mm PABBO BB- |
| PULPROG | zgig |
| TD | 65536 |
| SOLVENT | CD2Cl2 |
| NS | 72 |
| DS | 0 |
| SWH | 24038.461 Hz |
| FIDRES | 0.366798 Hz |
| AQ | 1.3631988 sec |
| RG | 575 |
| DW | 20.800 usec |
| DE | 6.50 usec |
| TE | 303.1 K |
| D1 | 1.00000000 sec |
| D11 | 0.03000000 sec |
| TD0 | 1 |
| ======== CHANNEL f1 ======== | |
| NUC1 | 11B |
| P1 | 12.80 usec |
| PL1 | 1.00 dB |
| PL1W | 17.63811874 W |
| SFO1 | 128.3776050 MHz |
| ======== CHANNEL f2 ======== | |
| CPDPRG2 | waltz16 |
| NUC2 | 1H |
| PCPD2 | 80.00 usec |
| PL2 | -0.50 dB |
| PL12 | 14.20 dB |
| PL2W | 14.48648834 W |
| PL12W | 0.49086621 W |
| SFO2 | 400.1316005 MHz |
| SI | 32768 |
| SF | 128.3776824 MHz |
| WDW | EM |
| SSB | 0 |
| LB | 5.00 Hz |
| GB | 0 |
| PC | 1.40 |

19F P,N-Bodipy (12)



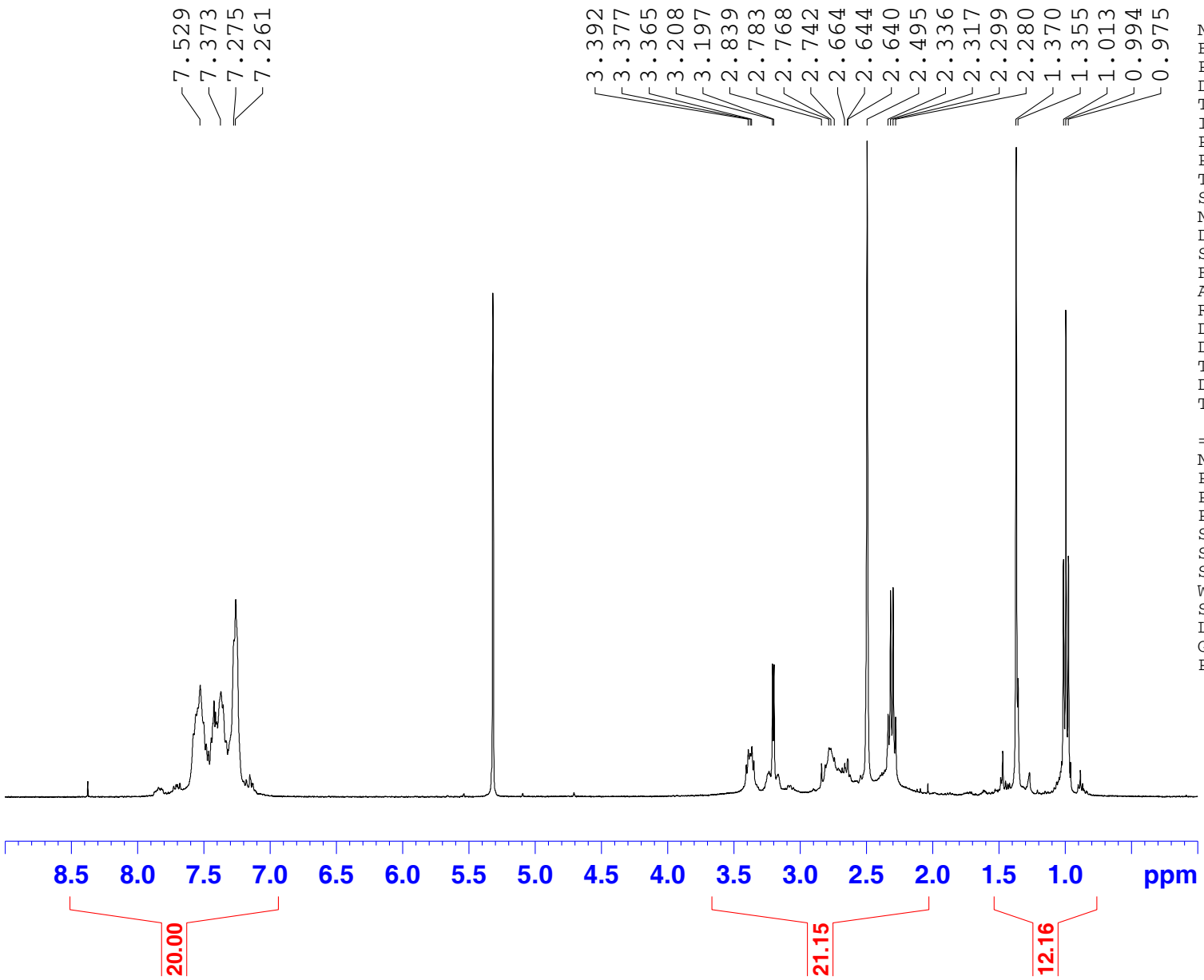

| | |
|---|---|
| NAME | Paper |
| EXPNO | 34 |
| PROCNO | 1 |
| Date_ | 20121203 |
| Time | 13.59 |
| INSTRUM | spect |
| PROBHD | 5 mm PABBO BB- |
| PULPROG | zgfhigqn |
| TD | 131072 |
| SOLVENT | CD2Cl2 |
| NS | 16 |
| DS | 4 |
| SWH | 89285.711 Hz |
| FIDRES | 0.681196 Hz |
| AQ | 0.7340532 sec |
| RG | 2050 |
| DW | 5.600 usec |
| DE | 6.50 usec |
| TE | 303.1 K |
| D1 | 1.00000000 sec |
| D11 | 0.03000000 sec |
| D12 | 0.00002000 sec |
| TD0 | 1 |
| ======== CHANNEL f1 ======== | |
| NUC1 | 19F |
| P1 | 19.50 usec |
| PL1 | -4.00 dB |
| PL1W | 22.71446419 W |
| SFO1 | 376.4889418 MHz |
| ======== CHANNEL f2 ======== | |
| CPDPRG2 | waltz16 |
| NUC2 | 1H |
| PCPD2 | 112.00 usec |
| PL2 | -4.00 dB |
| PL12 | 18.00 dB |
| PL2W | 32.43120575 W |
| PL12W | 0.20462708 W |
| SFO2 | 400.1616006 MHz |
| SI | 65536 |
| SF | 376.5267681 MHz |
| WDW | EM |
| SSB | 0 |
| LB | 0.30 Hz |
| GB | 0 |
| PC | 1.00 |

PS-phF4-pBDP PS-Me Pt Semiopen recryst



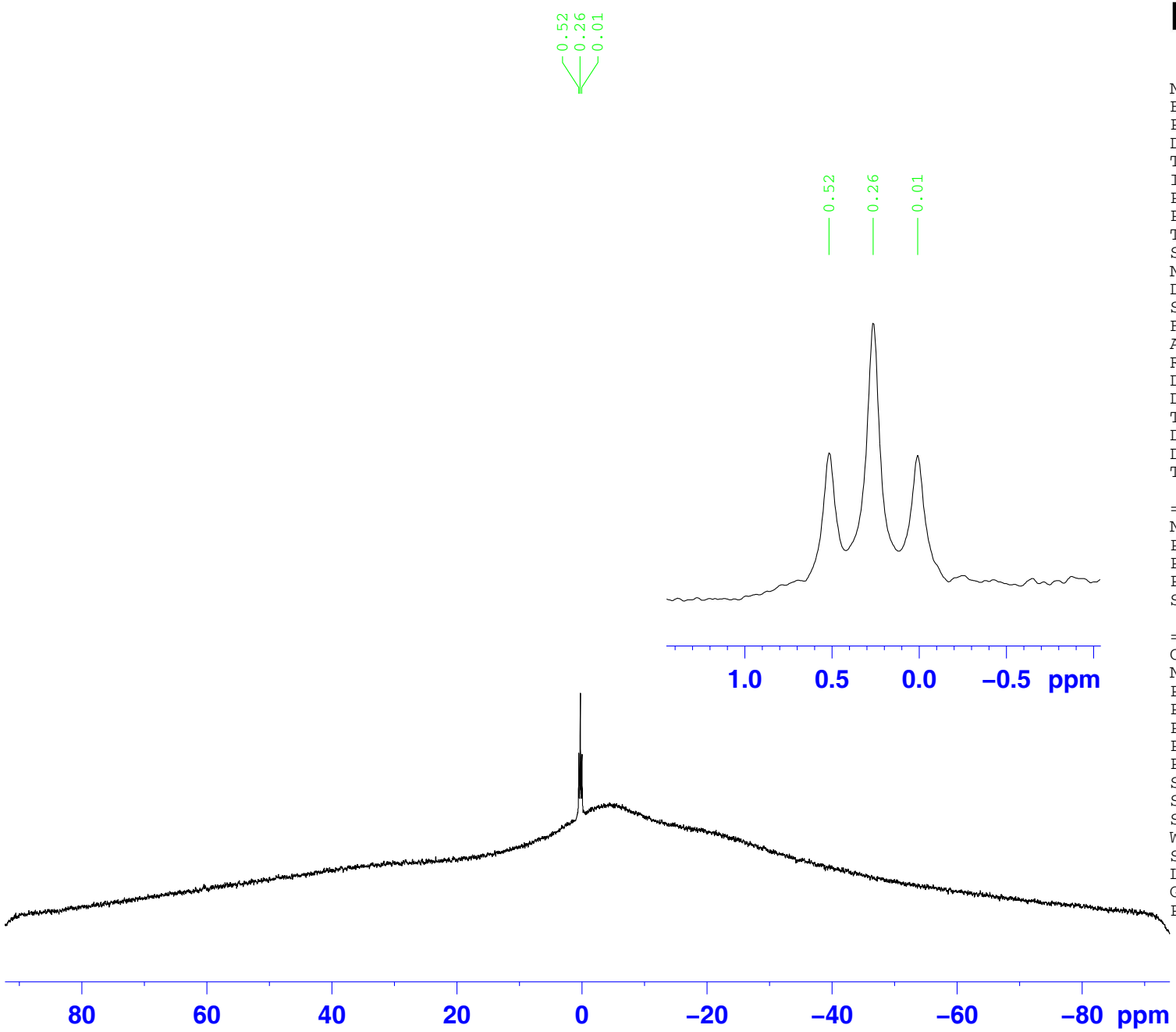

| | |
|---|---|
| NAME | Paper |
| EXPNO | 6 |
| PROCNO | 2 |
| Date_ | 20120814 |
| Time | 12.14 |
| INSTRUM | spect |
| PROBHD | 5 mm PABBO BB- |
| PULPROG | zgig |
| TD | 52080 |
| SOLVENT | CD2C12 |
| NS | 232 |
| DS | 0 |
| SWH | 29761.904 Hz |
| FIDRES | 0.571465 Hz |
| AQ | 0.8749940 sec |
| RG | 1820 |
| DW | 16.800 usec |
| DE | 6.50 usec |
| TE | 303.0 K |
| D1 | 0.60000002 sec |
| D11 | 0.03000000 sec |
| TD0 | 1 |
| ======== CHANNEL f1 ======== | |
| NUC1 | 31P |
| P1 | 15.66 usec |
| PL1 | 3.00 dB |
| PL1W | 12.96693134 W |
| SFO1 | 161.9755930 MHz |
| ======== CHANNEL f2 ======== | |
| CPDPRG2 | waltz16 |
| NUC2 | 1H |
| PCPD2 | 80.00 usec |
| PL2 | -0.50 dB |
| PL12 | 14.25 dB |
| PL2W | 14.48648834 W |
| PL12W | 0.48524728 W |
| SFO2 | 400.1316005 MHz |
| SI | 32768 |
| SF | 161.9754972 MHz |
| WDW | EM |
| SSB | 0 |
| LB | 1.00 Hz |
| GB | 0 |
| PC | 1.40 |

1H [PtCl(κ2-P,S-Me)(P,S-Bodipy)]Cl (13)



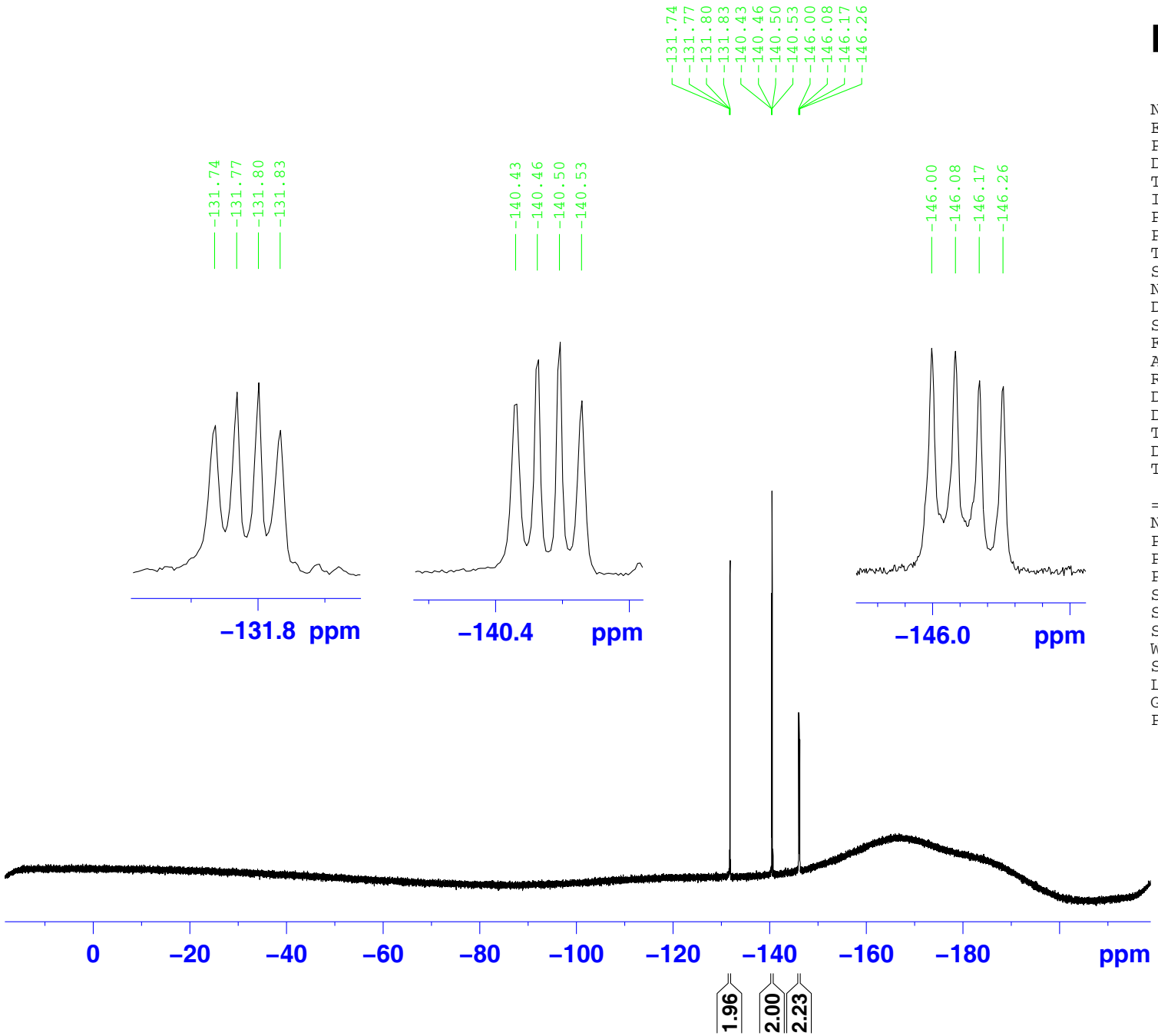

| | |
|---|---|
| NAME | Paper |
| EXPNO | 46 |
| PROCNO | 1 |
| Date_ | 20121204 |
| Time | 14.11 |
| INSTRUM | spect |
| PROBHD | 5 mm PABBO BB- |
| PULPROG | zg30 |
| TD | 65536 |
| SOLVENT | CD2Cl2 |
| NS | 16 |
| DS | 2 |
| SWH | 8223.685 Hz |
| FIDRES | 0.125483 Hz |
| AQ | 3.9846387 sec |
| RG | 181 |
| DW | 60.800 usec |
| DE | 6.50 usec |
| TE | 303.0 K |
| D1 | 1.00000000 sec |
| TD0 | 1 |
| ======== CHANNEL f1 ======== | |
| NUC1 | 1H |
| P1 | 15.00 usec |
| PL1 | -0.65 dB |
| PL1W | 14.99557495 W |
| SFO1 | 400.1624712 MHz |
| SI | 32768 |
| SF | 400.1600143 MHz |
| WDW | EM |
| SSB | 0 |
| LB | 0.30 Hz |
| GB | 0 |
| PC | 1.00 |

11B{1H} [PtCl(κ2-P,S-Me)(P,S-Bodipy)]Cl (13)



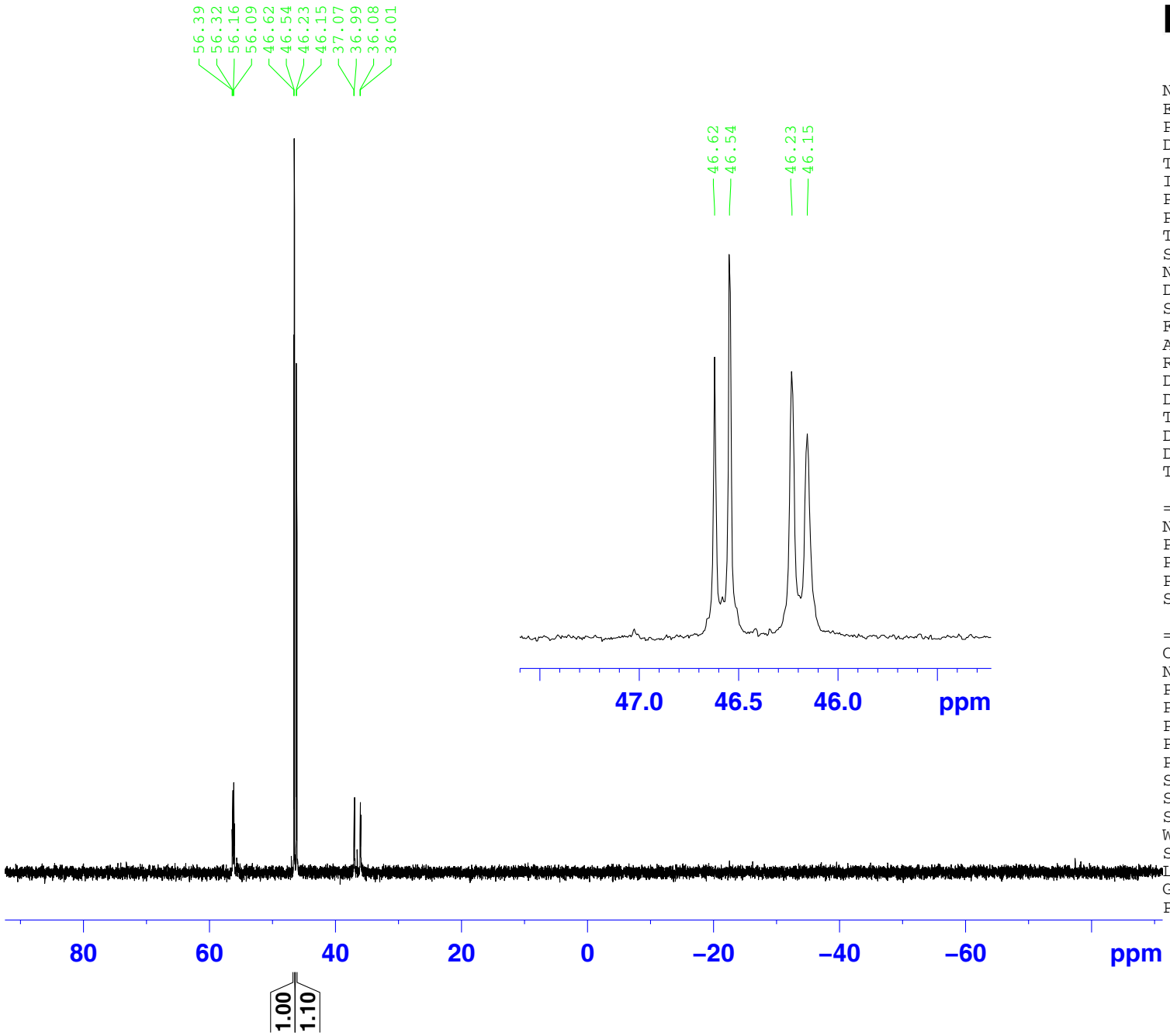

| | |
|---|---|
| NAME | Paper |
| EXPNO | 7 |
| PROCNO | 1 |
| Date_ | 20120814 |
| Time | 12.23 |
| INSTRUM | spect |
| PROBHD | 5 mm PABBO BB- |
| PULPROG | zgig |
| TD | 65536 |
| SOLVENT | CD2Cl2 |
| NS | 38 |
| DS | 0 |
| SWH | 24038.461 Hz |
| FIDRES | 0.366798 Hz |
| AQ | 1.3631988 sec |
| RG | 575 |
| DW | 20.800 usec |
| DE | 6.50 usec |
| TE | 303.2 K |
| D1 | 1.00000000 sec |
| D11 | 0.03000000 sec |
| TD0 | 1 |
| ======== CHANNEL f1 ======== | |
| NUC1 | 11B |
| P1 | 12.80 usec |
| PL1 | 1.00 dB |
| PL1W | 17.63811874 W |
| SFO1 | 128.3776050 MHz |
| ======== CHANNEL f2 ======== | |
| CPDPRG2 | waltz16 |
| NUC2 | 1H |
| PCPD2 | 80.00 usec |
| PL2 | -0.50 dB |
| PL12 | 14.20 dB |
| PL2W | 14.48648834 W |
| PL12W | 0.49086621 W |
| SFO2 | 400.1316005 MHz |
| SI | 32768 |
| SF | 128.3776587 MHz |
| WDW | EM |
| SSB | 0 |
| LB | 5.00 Hz |
| GB | 0 |
| PC | 1.40 |

19F [PtCl(κ2-P,S-Me)(P,S-Bodipy)]Cl (13)



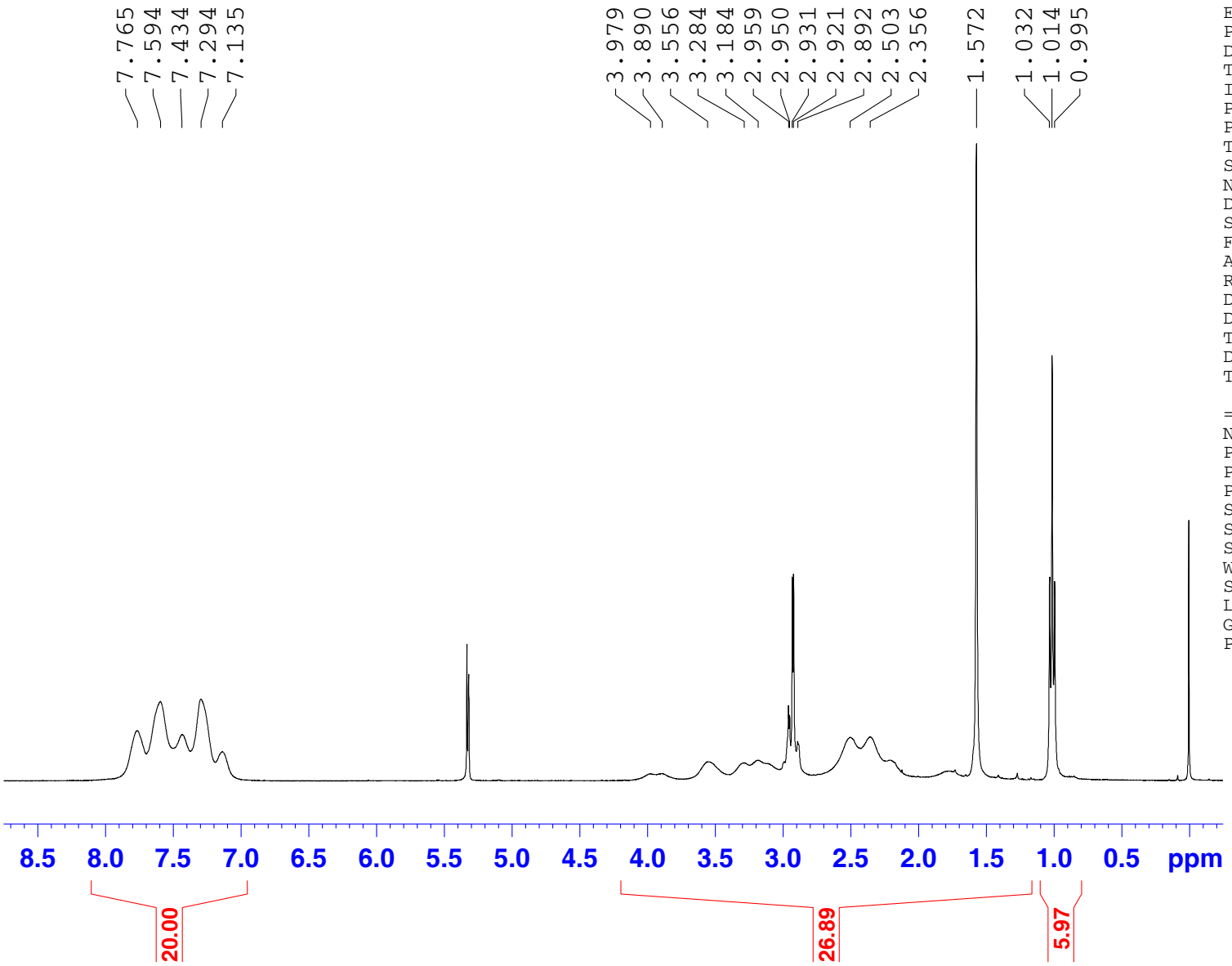

| | |
|---|---|
| NAME | Paper |
| EXPNO | 8 |
| PROCNO | 1 |
| Date_ | 20120814 |
| Time | 12.32 |
| INSTRUM | spect |
| PROBHD | 5 mm PABBO BB- |
| PULPROG | zg |
| TD | 131072 |
| SOLVENT | CD2Cl2 |
| NS | 105 |
| DS | 0 |
| SWH | 89285.711 Hz |
| FIDRES | 0.681196 Hz |
| AQ | 0.7340532 sec |
| RG | 724 |
| DW | 5.600 usec |
| DE | 6.50 usec |
| TE | 303.1 K |
| D1 | 1.00000000 sec |
| TD0 | 1 |
| ======== CHANNEL f1 ======== | |
| NUC1 | 19F |
| P1 | 14.75 usec |
| PL1 | -3.20 dB |
| PL1W | 18.89306831 W |
| SFO1 | 376.4607164 MHz |
| SI | 65536 |
| SF | 376.4984751 MHz |
| WDW | EM |
| SSB | 0 |
| LB | 0.30 Hz |
| GB | 0 |
| PC | 1.00 |

31P{1H} [Pt(κ2-P,S-Me)( κ2-P,S-Bodipy)]2BF4 (14)



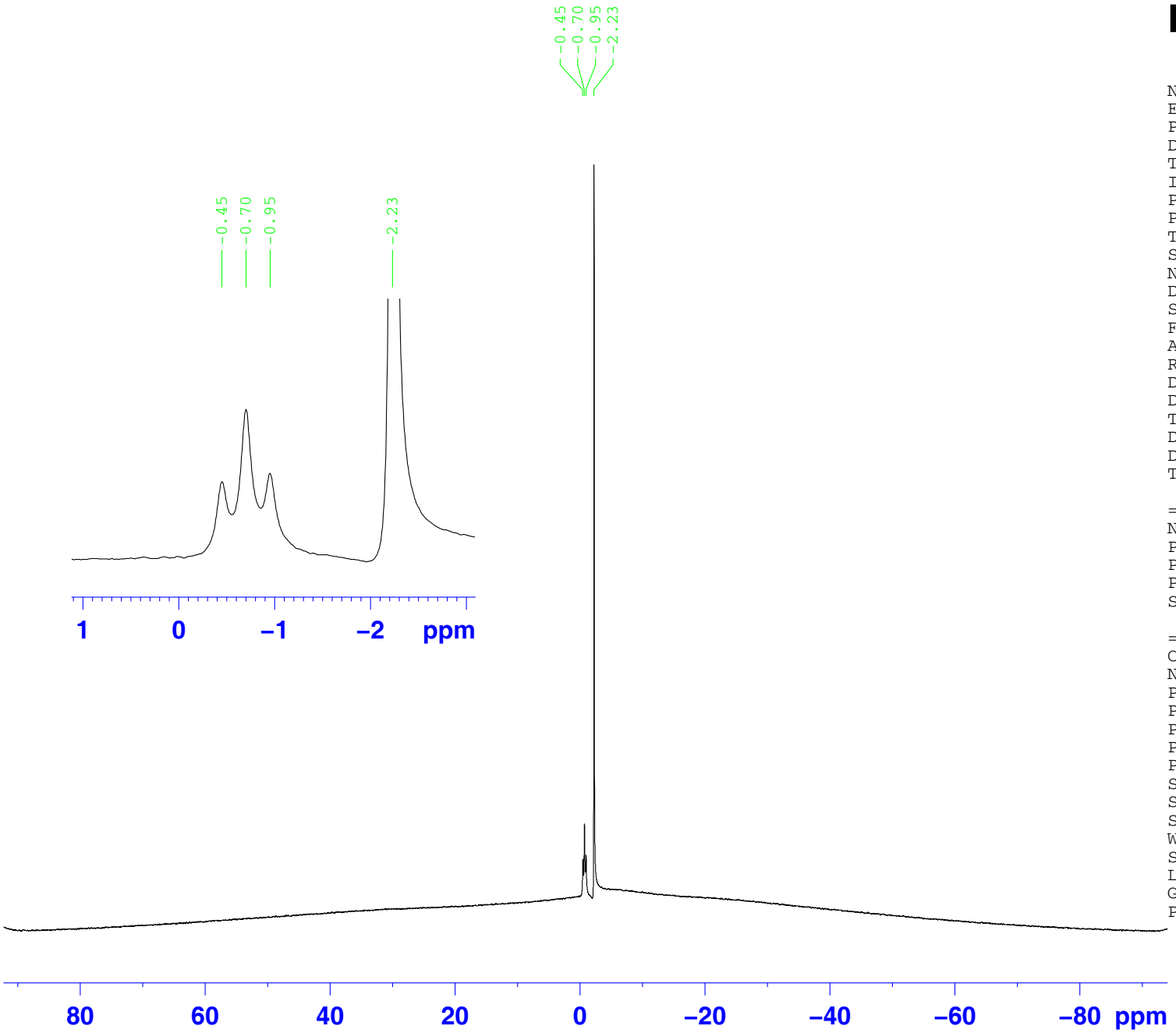

| | |
|---|---|
| NAME | Paper |
| EXPNO | 18 |
| PROCNO | 3 |
| Date_ | 20120814 |
| Time | 17.38 |
| INSTRUM | spect |
| PROBHD | 5 mm PABBO BB- |
| PULPROG | zgig |
| TD | 52080 |
| SOLVENT | CD2Cl2 |
| NS | 72 |
| DS | 0 |
| SWH | 29761.904 Hz |
| FIDRES | 0.571465 Hz |
| AQ | 0.8749940 sec |
| RG | 1820 |
| DW | 16.800 usec |
| DE | 6.50 usec |
| TE | 303.1 K |
| D1 | 0.60000002 sec |
| D11 | 0.03000000 sec |
| TD0 | 1 |
| ======== CHANNEL f1 ======== | |
| NUC1 | 31P |
| P1 | 15.66 usec |
| PL1 | 3.00 dB |
| PL1W | 12.96693134 W |
| SFO1 | 161.9755930 MHz |
| ======== CHANNEL f2 ======== | |
| CPDPRG2 | waltz16 |
| NUC2 | 1H |
| PCPD2 | 80.00 usec |
| PL2 | -0.50 dB |
| PL12 | 14.25 dB |
| PL2W | 14.48648834 W |
| PL12W | 0.48524728 W |
| SFO2 | 400.1316005 MHz |
| SI | 32768 |
| SF | 161.9754972 MHz |
| WDW | EM |
| SSB | 0 |
| LB | 1.00 Hz |
| GB | 0 |
| PC | 1.40 |

1H [Pt(κ2-P,S-Me)( κ2-P,S-Bodipy)]2BF4 (14)



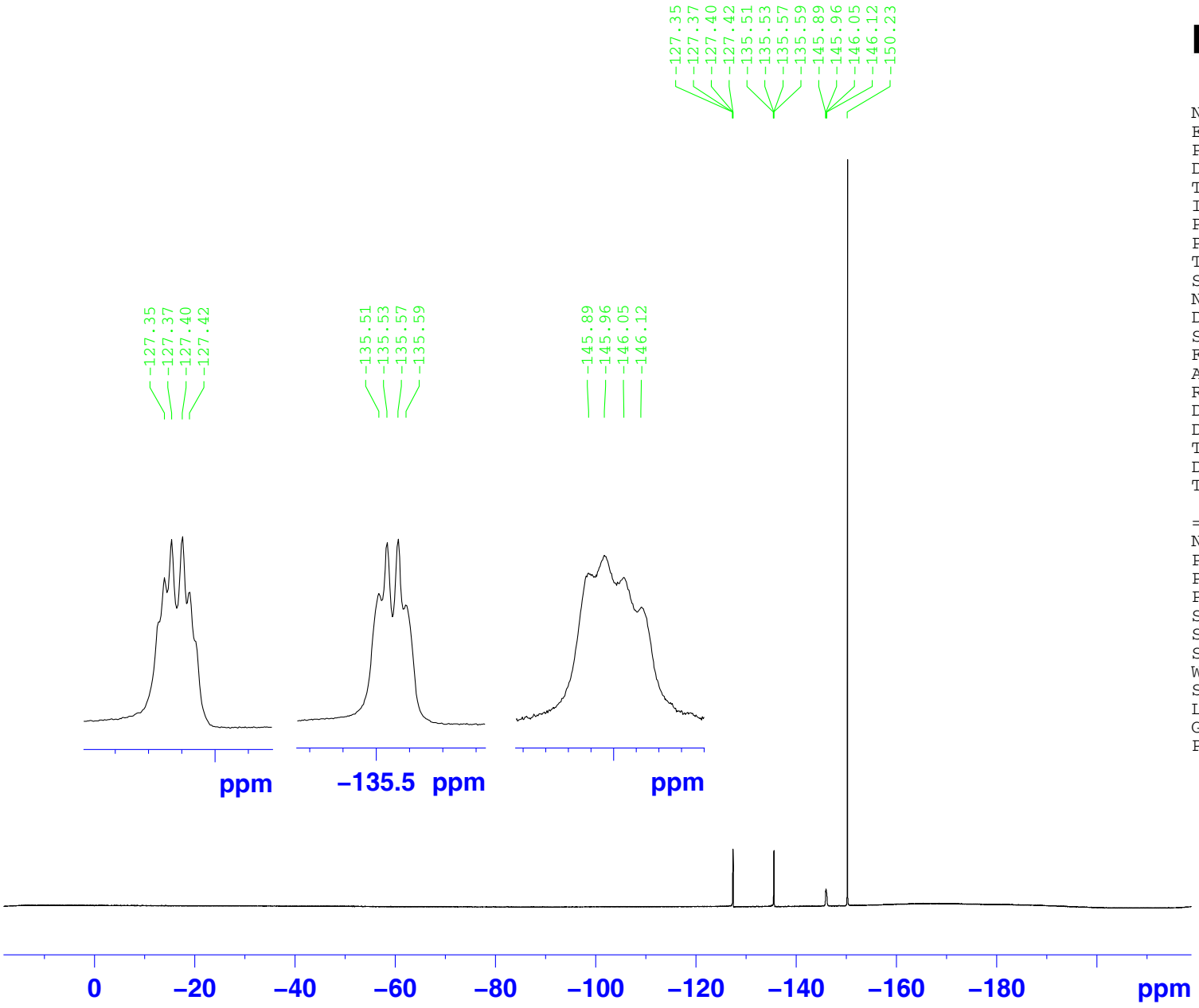

| | |
|---|---|
| NAME | Paper |
| EXPNO | 21 |
| PROCNO | 1 |
| Date_ | 20120814 |
| Time | 18.17 |
| INSTRUM | spect |
| PROBHD | 5 mm PABBO BB- |
| PULPROG | zg |
| TD | 44116 |
| SOLVENT | CD2Cl2 |
| NS | 16 |
| DS | 0 |
| SWH | 11029.412 Hz |
| FIDRES | 0.250009 Hz |
| AQ | 1.9999753 sec |
| RG | 101 |
| DW | 45.333 usec |
| DE | 6.50 usec |
| TE | 303.0 K |
| D1 | 1.00000000 sec |
| TD0 | 1 |
| ======== CHANNEL f1 ======== | |
| NUC1 | 1H |
| P1 | 14.65 usec |
| PL1 | -0.50 dB |
| PL1W | 14.48648834 W |
| SFO1 | 400.1323986 MHz |
| SI | 32768 |
| SF | 400.1300153 MHz |
| WDW | EM |
| SSB | 0 |
| LB | 0.30 Hz |
| GB | 0 |
| PC | 1.00 |

11B{1H} [Pt(κ2-P,S-Me)( κ2-P,S-Bodipy)]2BF4 (14)



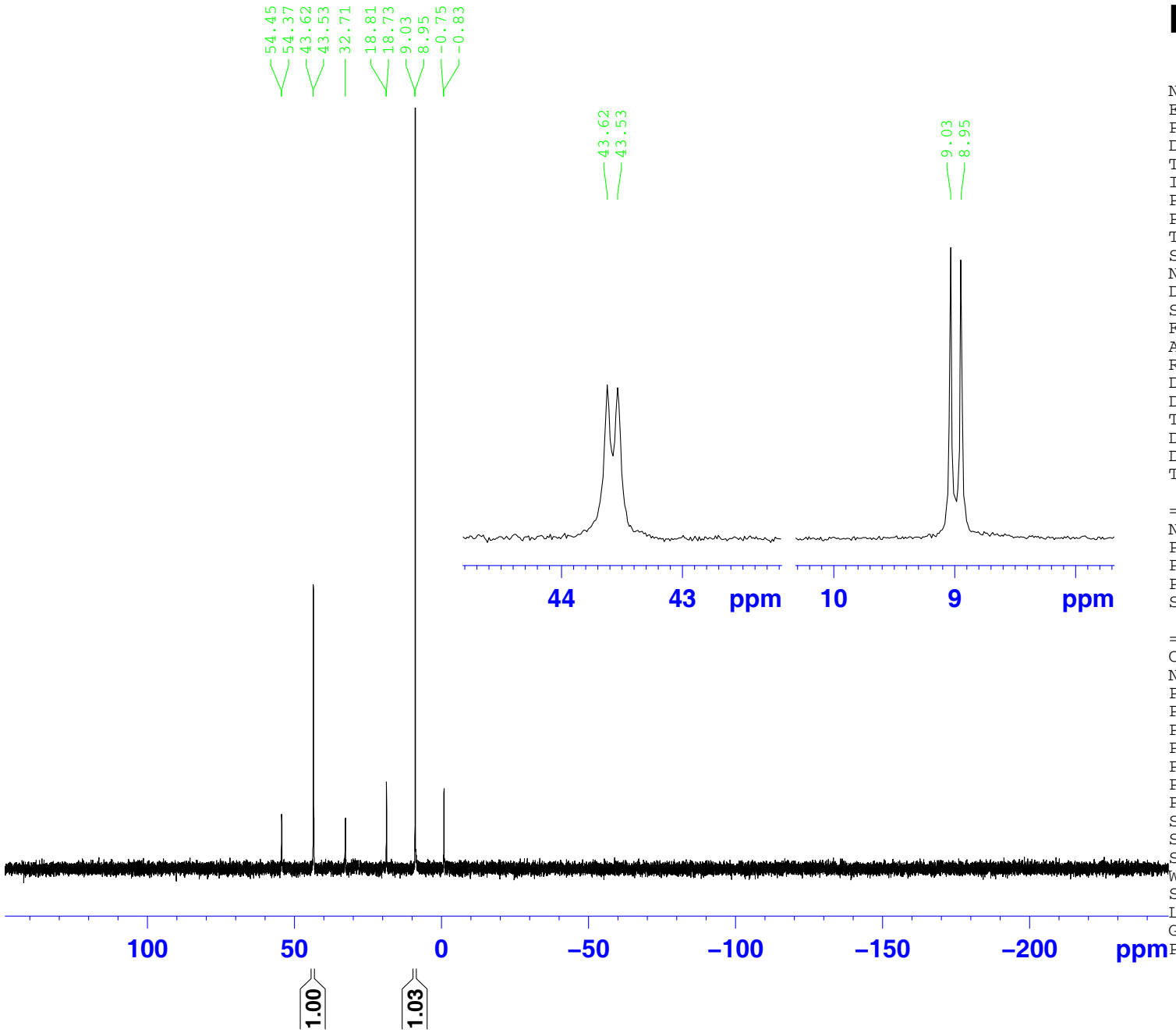

| | |
|---|---|
| NAME | Paper |
| EXPNO | 20 |
| PROCNO | 1 |
| Date_ | 20120814 |
| Time | 18.13 |
| INSTRUM | spect |
| PROBHD | 5 mm PABBO BB- |
| PULPROG | zgig |
| TD | 65536 |
| SOLVENT | CD2Cl2 |
| NS | 44 |
| DS | 0 |
| SWH | 24038.461 Hz |
| FIDRES | 0.366798 Hz |
| AQ | 1.3631988 sec |
| RG | 575 |
| DW | 20.800 usec |
| DE | 6.50 usec |
| TE | 303.0 K |
| D1 | 1.00000000 sec |
| D11 | 0.03000000 sec |
| TD0 | 1 |
| ======== CHANNEL f1 ======== | |
| NUC1 | 11B |
| P1 | 12.80 usec |
| PL1 | 1.00 dB |
| PL1W | 17.63811874 W |
| SFO1 | 128.3776050 MHz |
| ======== CHANNEL f2 ======== | |
| CPDPRG2 | waltz16 |
| NUC2 | 1H |
| PCPD2 | 80.00 usec |
| PL2 | -0.50 dB |
| PL12 | 14.20 dB |
| PL2W | 14.48648834 W |
| PL12W | 0.49086621 W |
| SFO2 | 400.1316005 MHz |
| SI | 32768 |
| SF | 128.3777762 MHz |
| WDW | EM |
| SSB | 0 |
| LB | 5.00 Hz |
| GB | 0 |
| PC | 1.40 |

19F [Pt(κ2-P,S-Me)( κ2-P,S-Bodipy)]2BF4 (14)



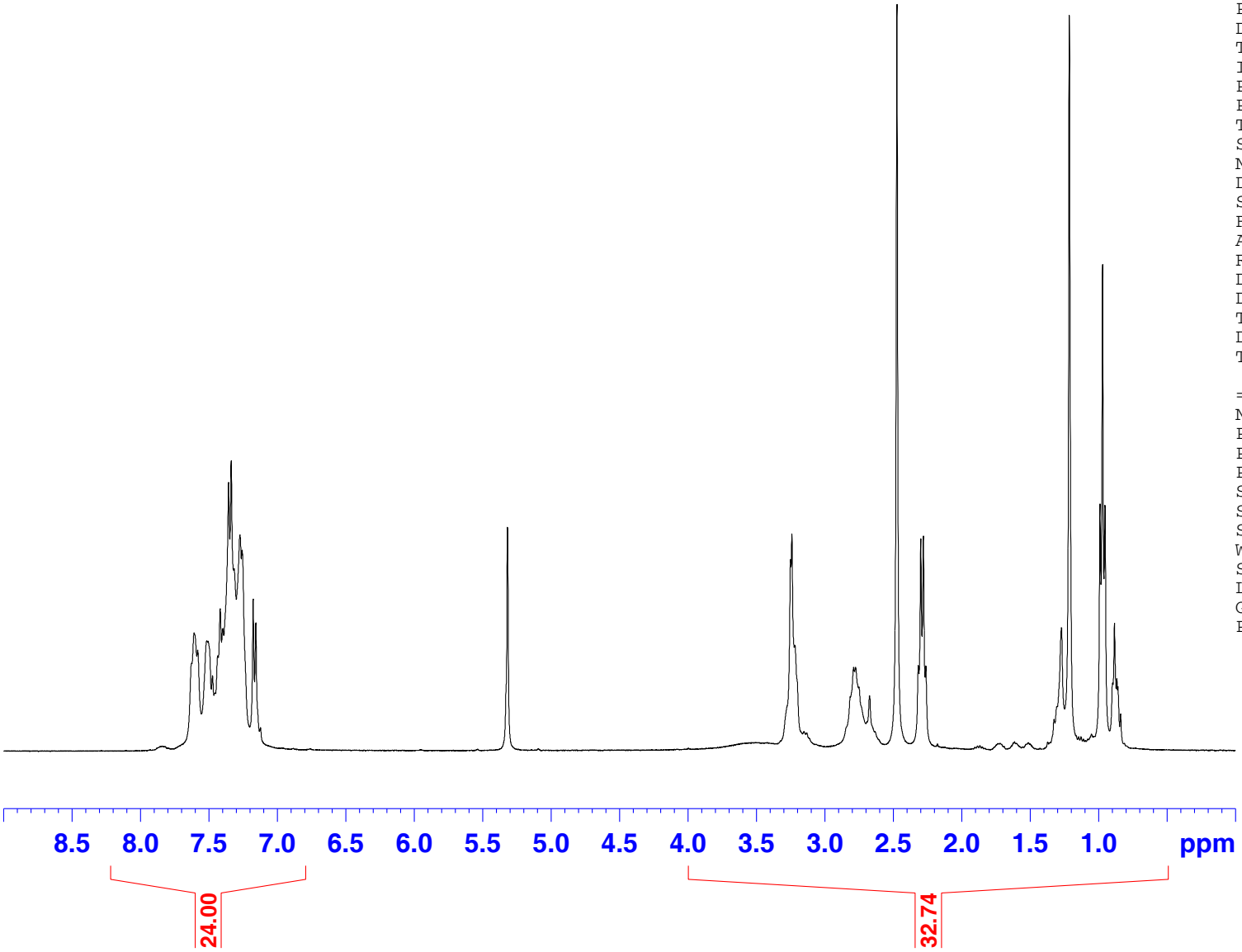

| | |
|---|---|
| NAME | Paper |
| EXPNO | 19 |
| PROCNO | 1 |
| Date_ | 20120814 |
| Time | 17.51 |
| INSTRUM | spect |
| PROBHD | 5 mm PABBO BB- |
| PULPROG | zg |
| TD | 131072 |
| SOLVENT | CD2Cl2 |
| NS | 177 |
| DS | 0 |
| SWH | 89285.711 Hz |
| FIDRES | 0.681196 Hz |
| AQ | 0.7340532 sec |
| RG | 724 |
| DW | 5.600 usec |
| DE | 6.50 usec |
| TE | 303.0 K |
| D1 | 1.00000000 sec |
| TD0 | 1 |
| ======== CHANNEL f1 ======== | |
| NUC1 | 19F |
| P1 | 14.75 usec |
| PL1 | -3.20 dB |
| PL1W | 18.89306831 W |
| SFO1 | 376.4607164 MHz |
| SI | 65536 |
| SF | 376.4985194 MHz |
| WDW | EM |
| SSB | 0 |
| LB | 0.30 Hz |
| GB | 0 |
| PC | 1.00 |

31P{1H} [PtCl(κ2-P,S-Me)(P,S-Bodipy)]Cl (15)



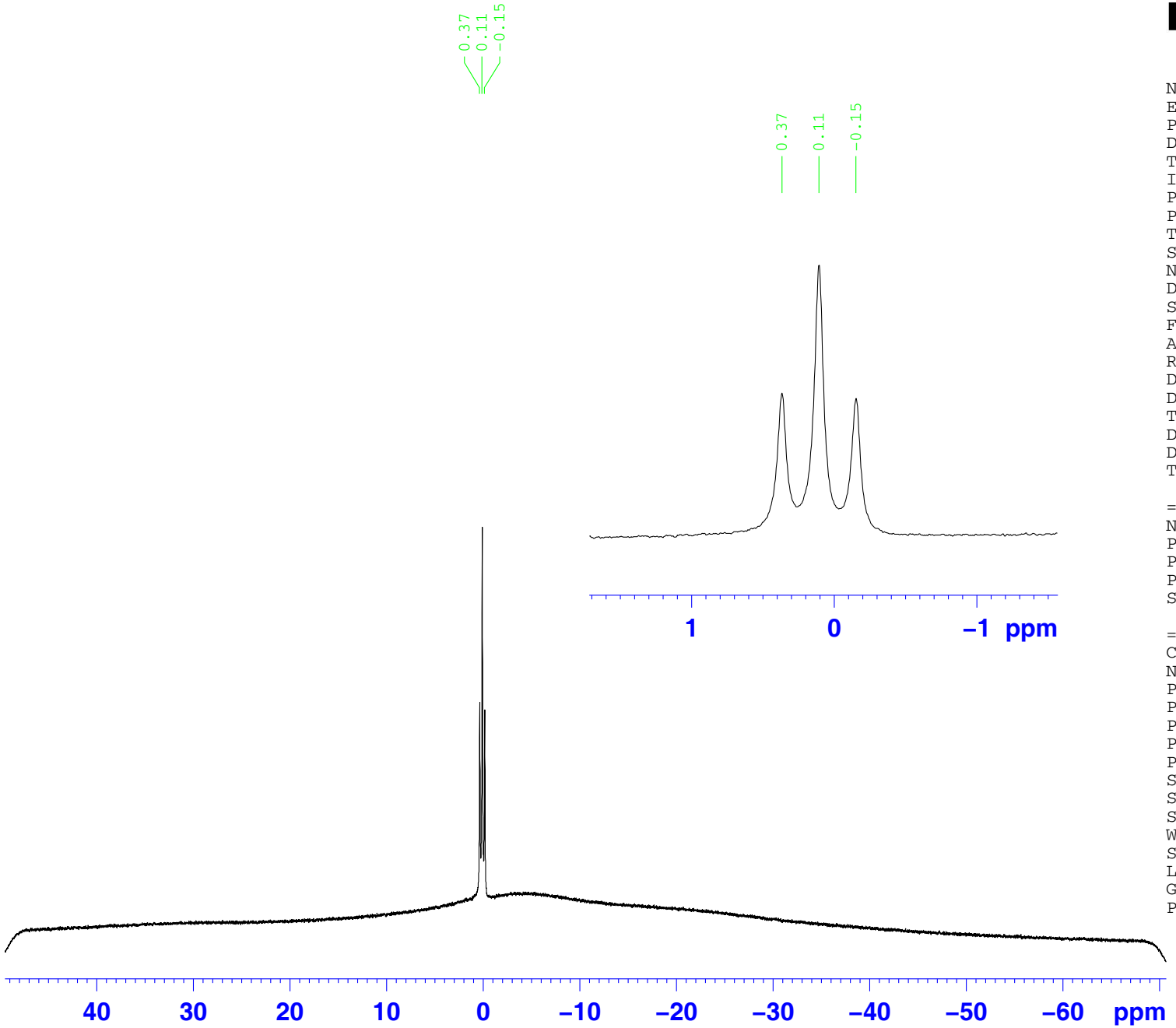

| | |
|---|---|
| NAME | Paper |
| EXPNO | 55 |
| PROCNO | 1 |
| Date_ | 20121206 |
| Time | 11.34 |
| INSTRUM | spect |
| PROBHD | 5 mm PABBO BB- |
| PULPROG | zgpg30 |
| TD | 65536 |
| SOLVENT | CD2Cl2 |
| NS | 123 |
| DS | 4 |
| SWH | 64102.563 Hz |
| FIDRES | 0.978127 Hz |
| AQ | 0.5112308 sec |
| RG | 2050 |
| DW | 7.800 usec |
| DE | 6.50 usec |
| TE | 303.0 K |
| D1 | 2.00000000 sec |
| D11 | 0.03000000 sec |
| TD0 | 1 |
| ======== CHANNEL f1 ======== | |
| NUC1 | 31P |
| P1 | 14.90 usec |
| PL1 | 1.95 dB |
| PL1W | 16.51342773 W |
| SFO1 | 161.9796378 MHz |
| ======== CHANNEL f2 ======== | |
| CPDPRG2 | waltz16 |
| NUC2 | 1H |
| PCPD2 | 80.00 usec |
| PL2 | -0.50 dB |
| PL12 | 14.25 dB |
| PL13 | 16.25 dB |
| PL2W | 14.48648834 W |
| PL12W | 0.48524728 W |
| PL13W | 0.30617034 W |
| SFO2 | 400.1616006 MHz |
| SI | 32768 |
| SF | 161.9876419 MHz |
| WDW | EM |
| SSB | 0 |
| LB | 1.00 Hz |
| GB | 0 |
| PC | 1.40 |

31P{1H} [PtCl(κ2-P,S-Me)(P,S-Bodipy)]Cl (15)



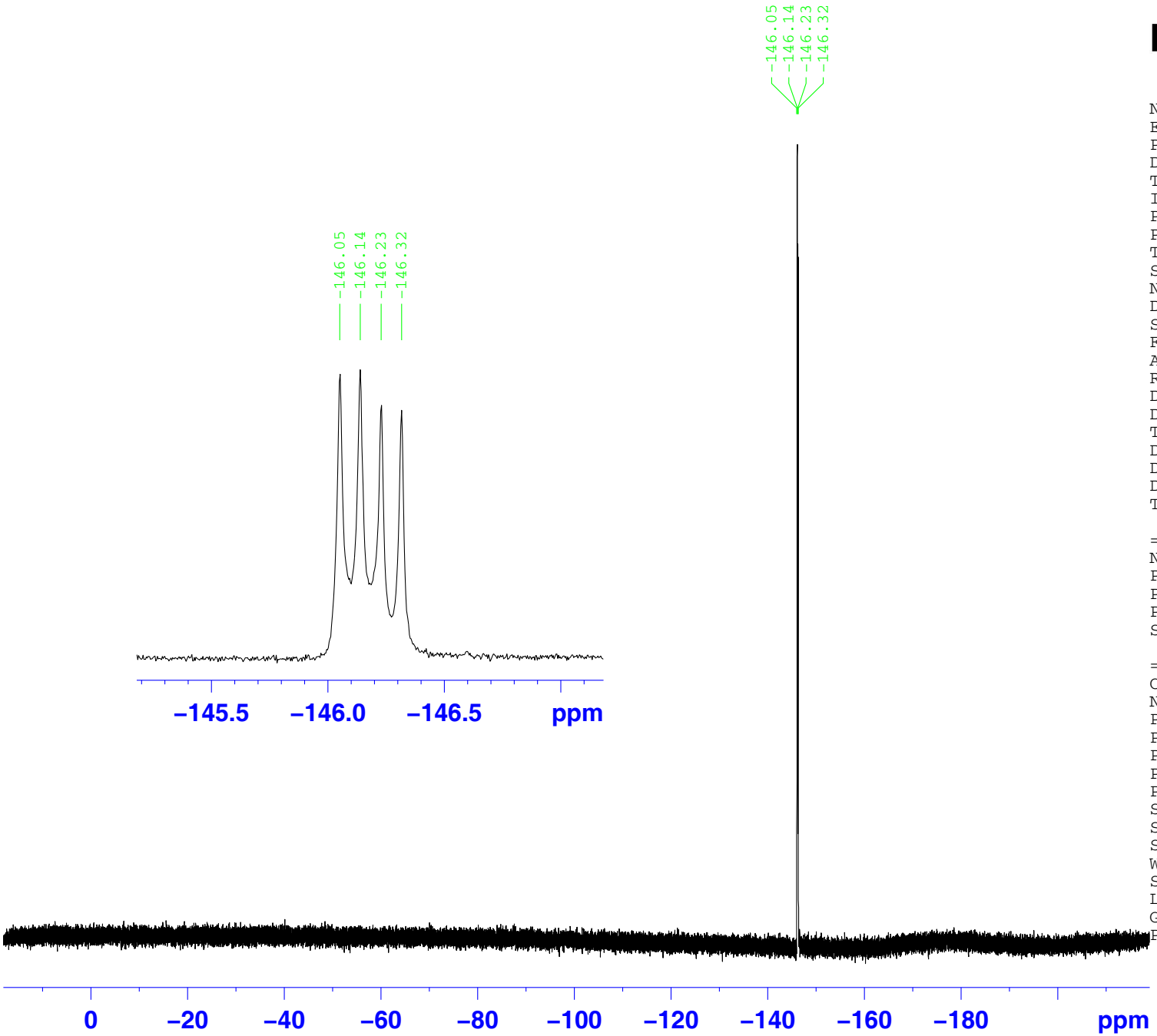

| | |
|---|---|
| NAME | Paper |
| EXPNO | 54 |
| PROCNO | 1 |
| Date_ | 20121206 |
| Time | 11.26 |
| INSTRUM | spect |
| PROBHD | 5 mm PABBO BB- |
| PULPROG | zg30 |
| TD | 65536 |
| SOLVENT | CD2Cl2 |
| NS | 16 |
| DS | 2 |
| SWH | 8223.685 Hz |
| FIDRES | 0.125483 Hz |
| AQ | 3.9846387 sec |
| RG | 181 |
| DW | 60.800 usec |
| DE | 6.50 usec |
| TE | 303.0 K |
| D1 | 1.00000000 sec |
| TD0 | 1 |
| ======== CHANNEL f1 ======== | |
| NUC1 | 1H |
| P1 | 15.00 usec |
| PL1 | -0.65 dB |
| PL1W | 14.99557495 W |
| SFO1 | 400.1624712 MHz |
| SI | 32768 |
| SF | 400.1600143 MHz |
| WDW | EM |
| SSB | 0 |
| LB | 0.30 Hz |
| GB | 0 |
| PC | 1.00 |

19F{1H} [PtCl(κ2-P,S-Me)(P,S-Bodipy)]Cl (15)



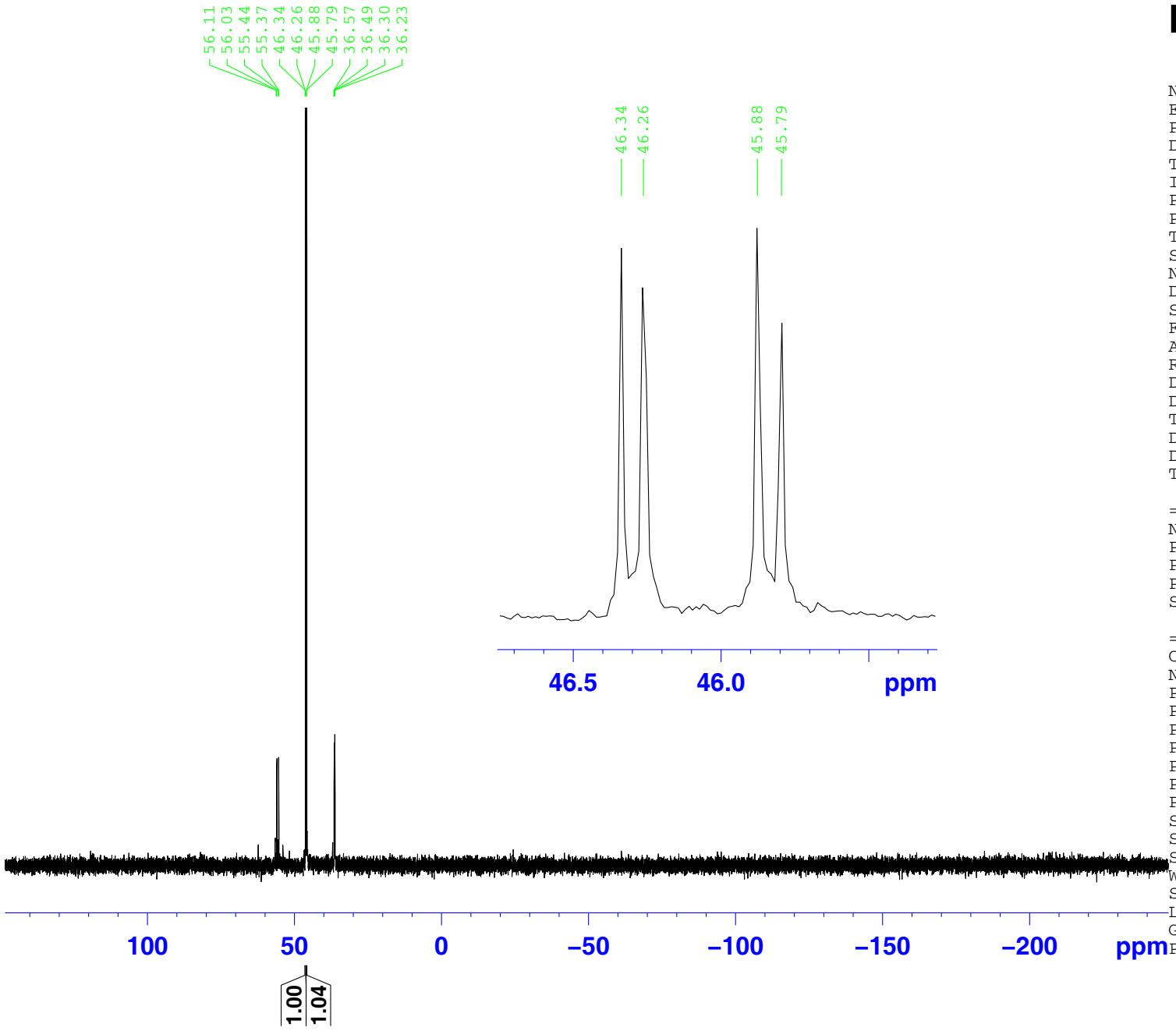

| | |
|---|---|
| NAME | Paper |
| EXPNO | 53 |
| PROCNO | 1 |
| Date_ | 20121205 |
| Time | 20.08 |
| INSTRUM | spect |
| PROBHD | 5 mm PABBO BB- |
| PULPROG | zgig |
| TD | 16384 |
| SOLVENT | CD2Cl2 |
| NS | 166 |
| DS | 0 |
| SWH | 15432.099 Hz |
| FIDRES | 0.941901 Hz |
| AQ | 0.5308916 sec |
| RG | 812 |
| DW | 32.400 usec |
| DE | 6.50 usec |
| TE | 303.0 K |
| D1 | 1.00000000 sec |
| D11 | 0.03000000 sec |
| TD0 | 1 |
| ======== CHANNEL f1 ======== | |
| NUC1 | 11B |
| P1 | 12.80 usec |
| PL1 | 1.00 dB |
| PL1W | 17.63811874 W |
| SFO1 | 128.3859468 MHz |
| ======== CHANNEL f2 ======== | |
| CPDPRG2 | waltz16 |
| NUC2 | 1H |
| PCPD2 | 80.00 usec |
| PL2 | -0.50 dB |
| PL12 | 14.25 dB |
| PL2W | 14.48648834 W |
| PL12W | 0.48524728 W |
| SFO2 | 400.1616006 MHz |
| SI | 32768 |
| SF | 128.3873074 MHz |
| WDW | EM |
| SSB | 0 |
| LB | 1.00 Hz |
| GB | 0 |
| PC | 1.40 |

19F [PtCl(κ2-P,S-Me)(P,S-Bodipy)]Cl (15)



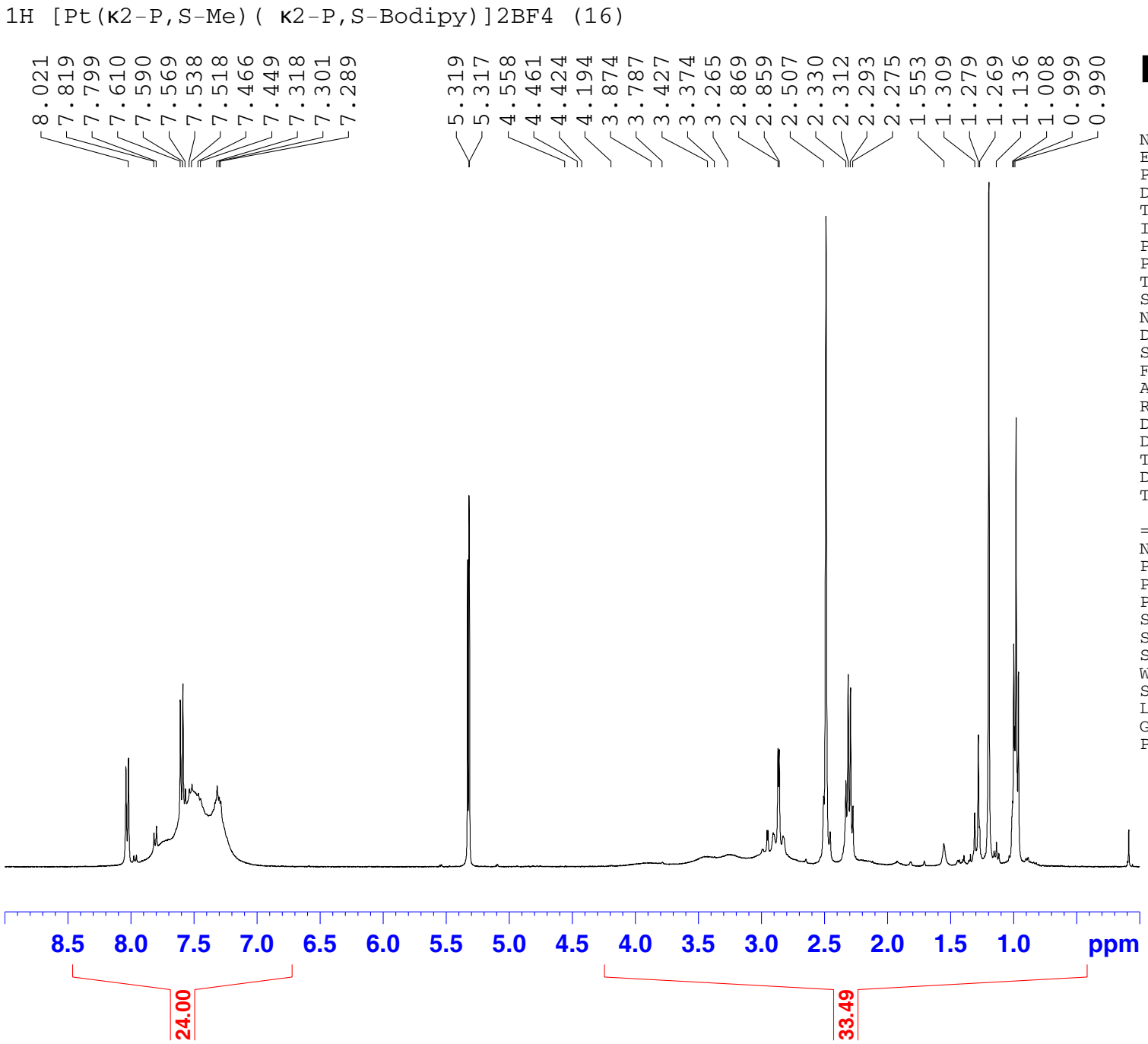

| | |
|---|---|
| NAME | Paper |
| EXPNO | 52 |
| PROCNO | 1 |
| Date_ | 20121205 |
| Time | 19.58 |
| INSTRUM | spect |
| PROBHD | 5 mm PABBO BB- |
| PULPROG | zgfhigqn |
| TD | 131072 |
| SOLVENT | CD2Cl2 |
| NS | 16 |
| DS | 4 |
| SWH | 89285.711 Hz |
| FIDRES | 0.681196 Hz |
| AQ | 0.7340532 sec |
| RG | 2050 |
| DW | 5.600 usec |
| DE | 6.50 usec |
| TE | 302.9 K |
| D1 | 1.00000000 sec |
| D11 | 0.03000000 sec |
| D12 | 0.00002000 sec |
| TD0 | 1 |
| ======== CHANNEL f1 ======== | |
| NUC1 | 19F |
| P1 | 19.50 usec |
| PL1 | -4.00 dB |
| PL1W | 22.71446419 W |
| SFO1 | 376.4889418 MHz |
| ======== CHANNEL f2 ======== | |
| CPDPRG2 | waltz16 |
| NUC2 | 1H |
| PCPD2 | 112.00 usec |
| PL2 | -4.00 dB |
| PL12 | 18.00 dB |
| PL2W | 32.43120575 W |
| PL12W | 0.20462708 W |
| SFO2 | 400.1616006 MHz |
| SI | 65536 |
| SF | 376.5267652 MHz |
| WDW | EM |
| SSB | 0 |
| LB | 0.30 Hz |
| GB | 0 |
| PC | 1.00 |

31P{1H} [Pt(κ2-P,S-Me)( κ2-P,S-Bodipy)]2BF4 (16)



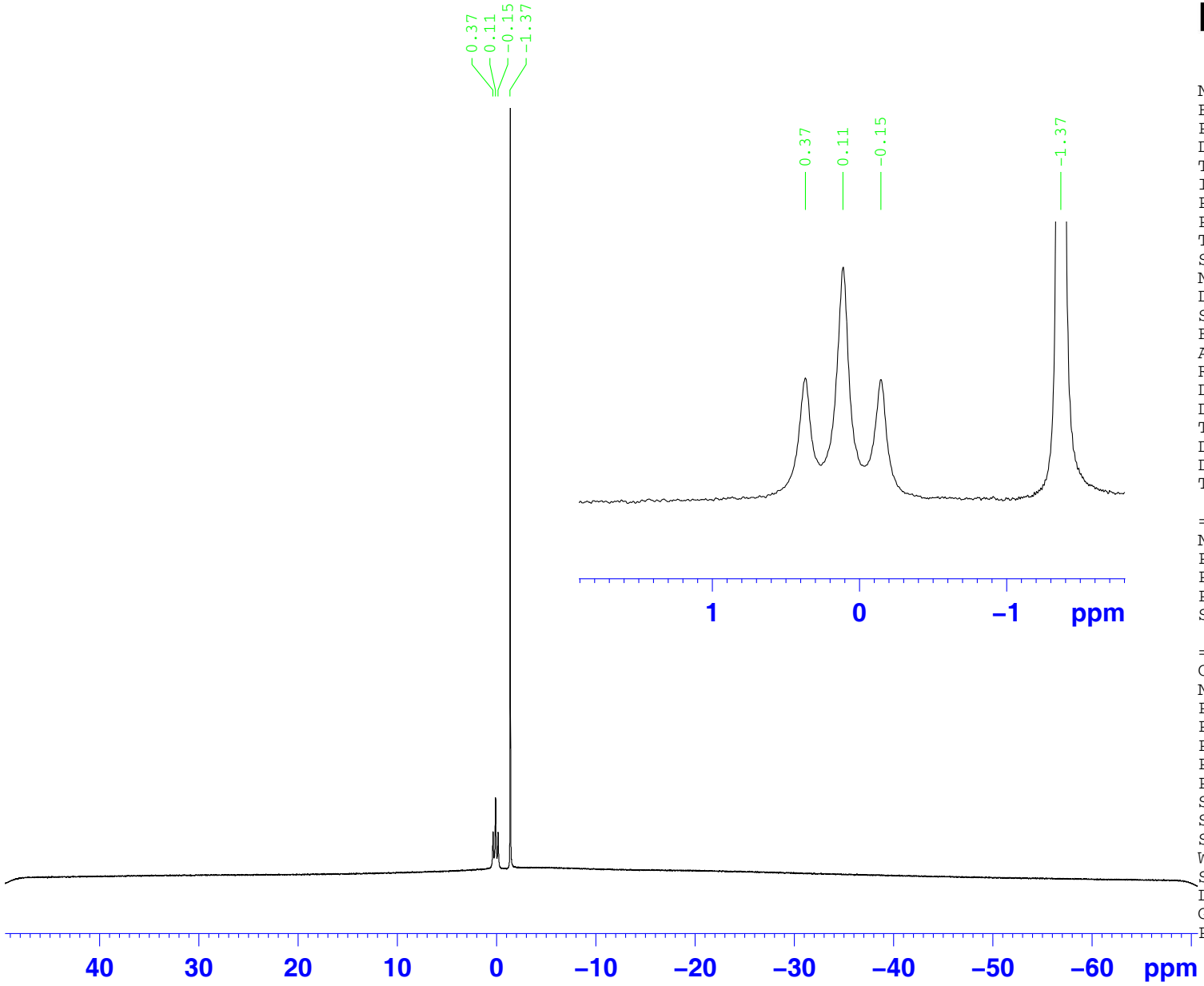

| | |
|---|---|
| NAME | Paper |
| EXPNO | 56 |
| PROCNO | 2 |
| Date_ | 20121206 |
| Time | 16.10 |
| INSTRUM | spect |
| PROBHD | 5 mm PABBO BB- |
| PULPROG | zgpg30 |
| TD | 65536 |
| SOLVENT | CD2Cl2 |
| NS | 161 |
| DS | 4 |
| SWH | 64102.563 Hz |
| FIDRES | 0.978127 Hz |
| AQ | 0.5112308 sec |
| RG | 2050 |
| DW | 7.800 usec |
| DE | 6.50 usec |
| TE | 303.0 K |
| D1 | 2.00000000 sec |
| D11 | 0.03000000 sec |
| TD0 | 1 |
| ======== CHANNEL f1 ======== | |
| NUC1 | 31P |
| P1 | 14.90 usec |
| PL1 | 1.95 dB |
| PL1W | 16.51342773 W |
| SFO1 | 161.9796378 MHz |
| ======== CHANNEL f2 ======== | |
| CPDPRG2 | waltz16 |
| NUC2 | 1H |
| PCPD2 | 80.00 usec |
| PL2 | -0.50 dB |
| PL12 | 14.25 dB |
| PL13 | 16.25 dB |
| PL2W | 14.48648834 W |
| PL12W | 0.48524728 W |
| PL13W | 0.30617034 W |
| SFO2 | 400.1616006 MHz |
| SI | 32768 |
| SF | 161.9876419 MHz |
| WDW | EM |
| SSB | 0 |
| LB | 1.00 Hz |
| GB | 0 |
| PC | 1.40 |

1H [Pt(κ2-P,S-Me)( κ2-P,S-Bodipy)]2BF4 (16)



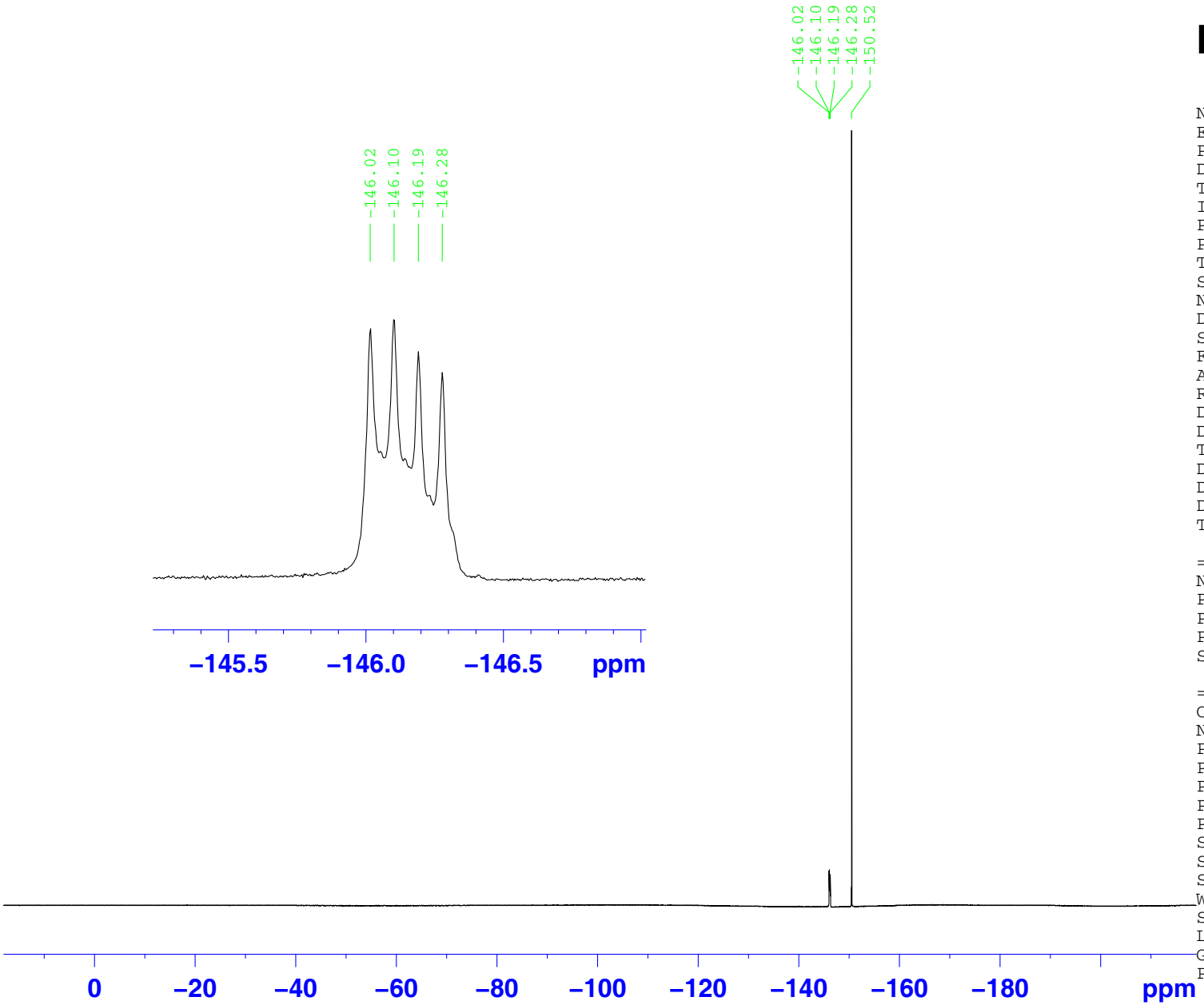

| | |
|---|---|
| NAME | Paper |
| EXPNO | 59 |
| PROCNO | 1 |
| Date_ | 20121206 |
| Time | 16.29 |
| INSTRUM | spect |
| PROBHD | 5 mm PABBO BB- |
| PULPROG | zg30 |
| TD | 65536 |
| SOLVENT | CD2Cl2 |
| NS | 16 |
| DS | 2 |
| SWH | 8223.685 Hz |
| FIDRES | 0.125483 Hz |
| AQ | 3.9846387 sec |
| RG | 181 |
| DW | 60.800 usec |
| DE | 6.50 usec |
| TE | 303.0 K |
| D1 | 1.00000000 sec |
| TD0 | 1 |
| ======== CHANNEL f1 ======== | |
| NUC1 | 1H |
| P1 | 15.00 usec |
| PL1 | -0.65 dB |
| PL1W | 14.99557495 W |
| SFO1 | 400.1624712 MHz |
| SI | 32768 |
| SF | 400.1600143 MHz |
| WDW | EM |
| SSB | 0 |
| LB | 0.30 Hz |
| GB | 0 |
| PC | 1.00 |

11B{1H} [Pt(κ2-P,S-Me)( κ2-P,S-Bodipy)]2BF4 (16)



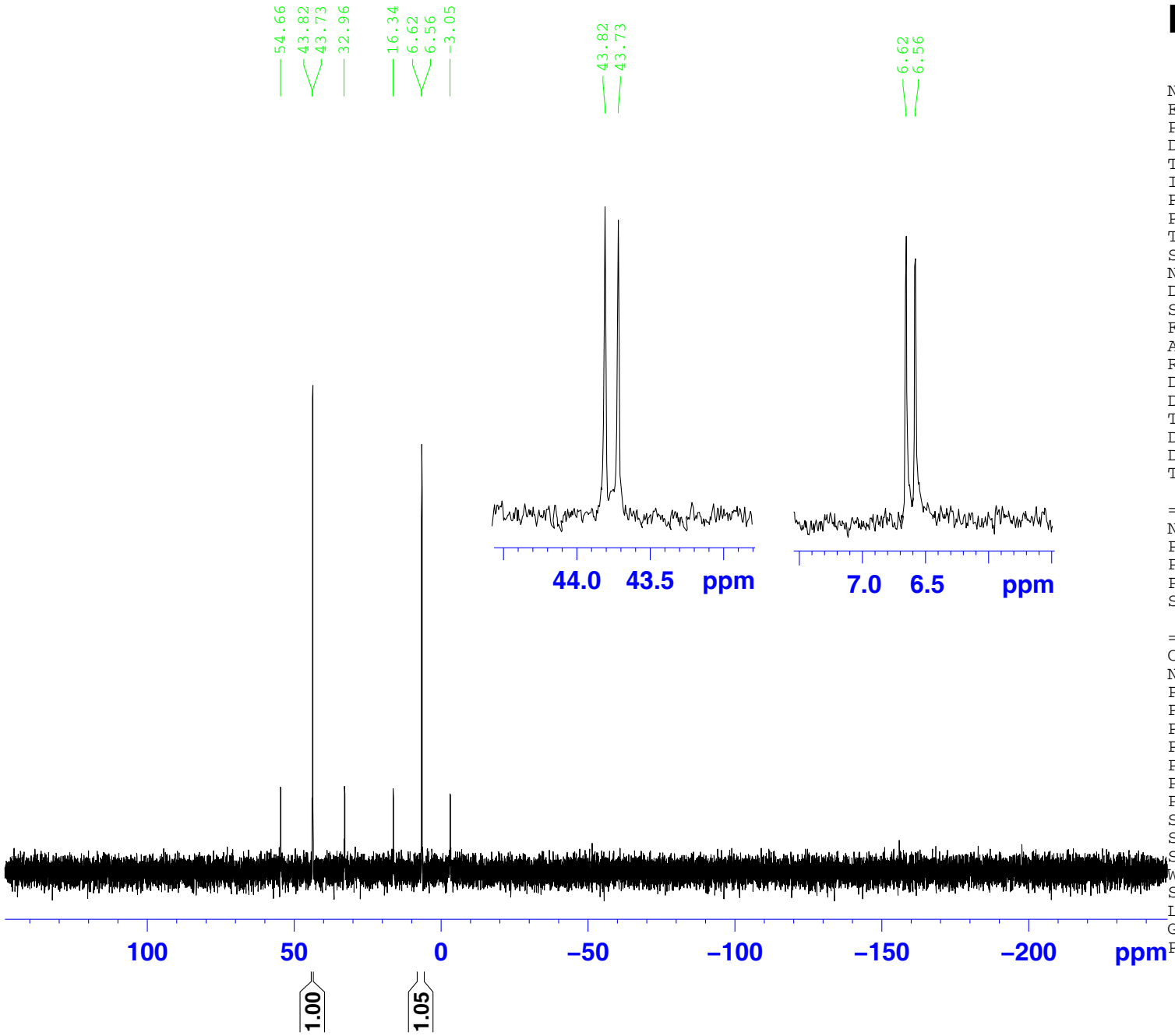

| | |
|---|---|
| NAME | Paper |
| EXPNO | 57 |
| PROCNO | 1 |
| Date_ | 20121206 |
| Time | 16.17 |
| INSTRUM | spect |
| PROBHD | 5 mm PABBO BB- |
| PULPROG | zgig |
| TD | 16384 |
| SOLVENT | CD2Cl2 |
| NS | 96 |
| DS | 0 |
| SWH | 15432.099 Hz |
| FIDRES | 0.941901 Hz |
| AQ | 0.5308916 sec |
| RG | 812 |
| DW | 32.400 usec |
| DE | 6.50 usec |
| TE | 303.1 K |
| D1 | 1.00000000 sec |
| D11 | 0.03000000 sec |
| TD0 | 1 |
| ======== CHANNEL f1 ======== | |
| NUC1 | 11B |
| P1 | 12.80 usec |
| PL1 | 1.00 dB |
| PL1W | 17.63811874 W |
| SFO1 | 128.3859468 MHz |
| ======== CHANNEL f2 ======== | |
| CPDPRG2 | waltz16 |
| NUC2 | 1H |
| PCPD2 | 80.00 usec |
| PL2 | -0.50 dB |
| PL12 | 14.25 dB |
| PL2W | 14.48648834 W |
| PL12W | 0.48524728 W |
| SFO2 | 400.1616006 MHz |
| SI | 32768 |
| SF | 128.3873045 MHz |
| WDW | EM |
| SSB | 0 |
| LB | 1.00 Hz |
| GB | 0 |
| PC | 1.40 |

19F [Pt(κ2-P,S-Me)( κ2-P,S-Bodipy)]2BF4 (16)



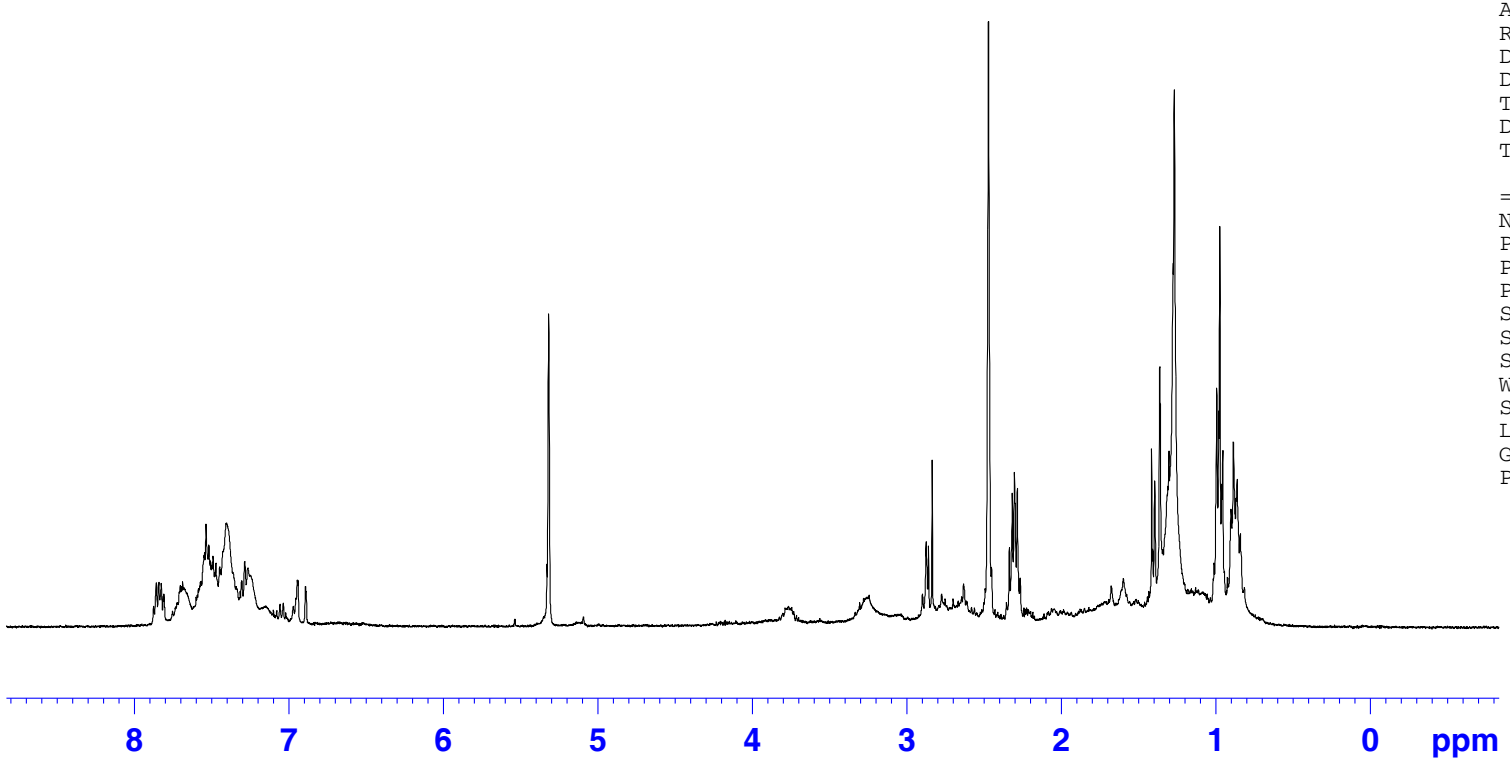

| | |
|---|---|
| NAME | Paper |
| EXPNO | 58 |
| PROCNO | 1 |
| Date_ | 20121206 |
| Time | 16.25 |
| INSTRUM | spect |
| PROBHD | 5 mm PABBO BB- |
| PULPROG | zgfhigqn |
| TD | 131072 |
| SOLVENT | CD2Cl2 |
| NS | 121 |
| DS | 4 |
| SWH | 89285.711 Hz |
| FIDRES | 0.681196 Hz |
| AQ | 0.7340532 sec |
| RG | 2050 |
| DW | 5.600 usec |
| DE | 6.50 usec |
| TE | 303.0 K |
| D1 | 1.00000000 sec |
| D11 | 0.03000000 sec |
| D12 | 0.00002000 sec |
| TD0 | 1 |
| ======== CHANNEL f1 ======== | |
| NUC1 | 19F |
| P1 | 19.50 usec |
| PL1 | -4.00 dB |
| PL1W | 22.71446419 W |
| SFO1 | 376.4889418 MHz |
| ======== CHANNEL f2 ======== | |
| CPDPRG2 | waltz16 |
| NUC2 | 1H |
| PCPD2 | 112.00 usec |
| PL2 | -4.00 dB |
| PL12 | 18.00 dB |
| PL2W | 32.43120575 W |
| PL12W | 0.20462708 W |
| SFO2 | 400.1616006 MHz |
| SI | 65536 |
| SF | 376.5267722 MHz |
| WDW | EM |
| SSB | 0 |
| LB | 0.30 Hz |
| GB | 0 |
| PC | 1.00 |

31P{1H} [PtCl(κ2-P,S-Me)(P,S-Bodipy)]Cl (17)



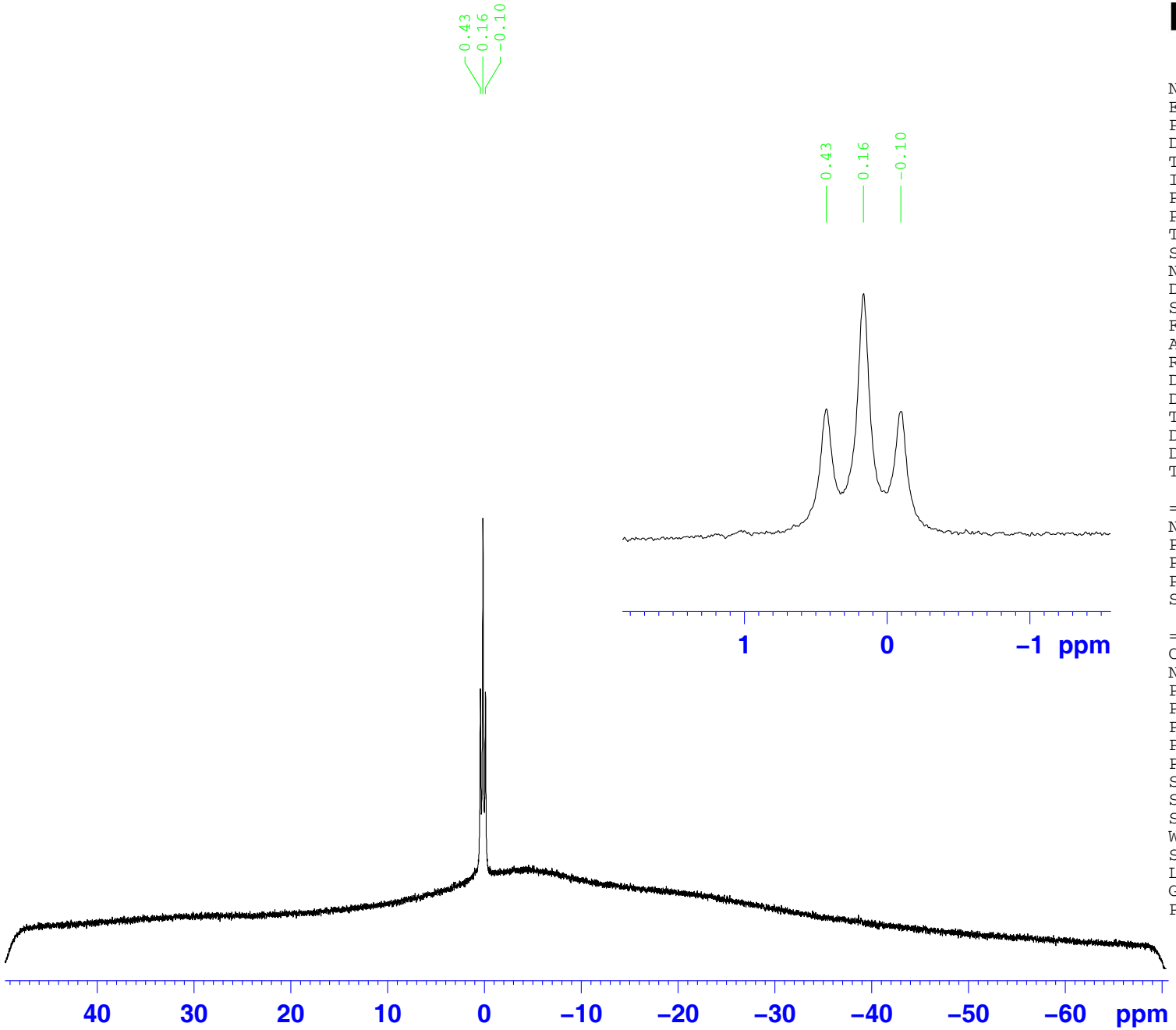

```
NAME                 Paper
EXPNO                   60
PROCNO                   1
Date_             20121208
Time                 14.30
INSTRUM              spect
PROBHD   5 mm PABBO BB-
PULPROG             zgpg30
TD                   65536
SOLVENT            CD2Cl2
NS                     220
DS                       4
SWH            64102.563 Hz
FIDRES          0.978127 Hz
AQ              0.5112308 sec
RG                    2050
DW                 7.800 usec
DE                 6.50 usec
TE                 303.0 K
D1            2.00000000 sec
D11           0.03000000 sec
TD0                      1

======== CHANNEL f1 ========
NUC1                  31P
P1                 14.90 usec
PL1                 1.95 dB
PL1W         16.51342773 W
SFO1         161.9796378 MHz

======== CHANNEL f2 ========
CPDPRG2           waltz16
NUC2                  1H
PCPD2              80.00 usec
PL2                -0.50 dB
PL12               14.25 dB
PL13               16.25 dB
PL2W         14.48648834 W
PL12W         0.48524728 W
PL13W         0.30617034 W
SFO2         400.1616006 MHz
SI                 32768
SF           161.9876419 MHz
WDW                   EM
SSB                    0
LB                  1.00 Hz
GB                     0
PC                  1.40
```

1H [PtCl(κ2-P,S-Me)(P,S-Bodipy)]Cl (17)



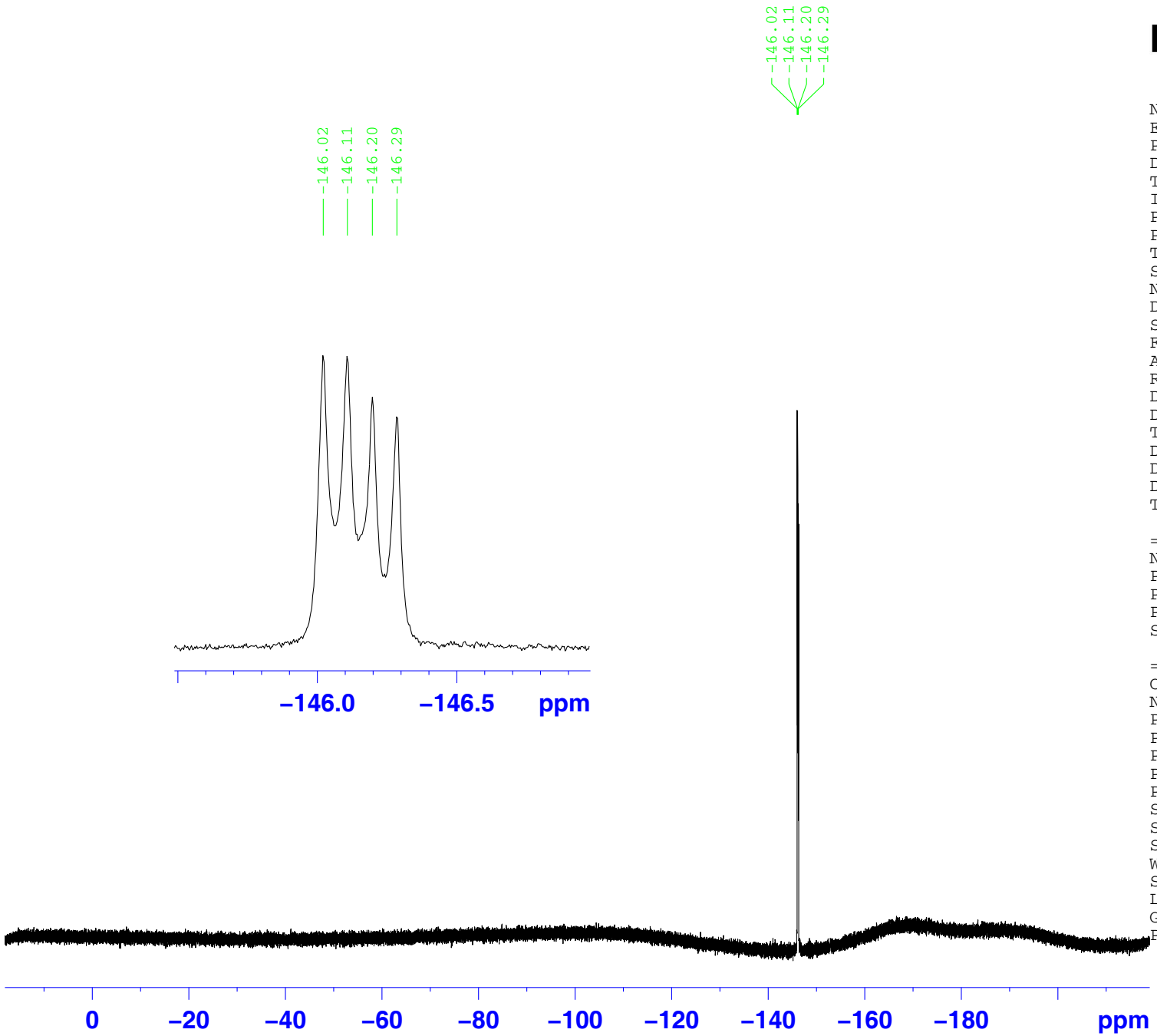

| | |
|---|---|
| NAME | Paper |
| EXPNO | 63 |
| PROCNO | 1 |
| Date_ | 20121208 |
| Time | 14.40 |
| INSTRUM | spect |
| PROBHD | 5 mm PABBO BB- |
| PULPROG | zg30 |
| TD | 65536 |
| SOLVENT | CD2Cl2 |
| NS | 16 |
| DS | 2 |
| SWH | 8223.685 Hz |
| FIDRES | 0.125483 Hz |
| AQ | 3.9846387 sec |
| RG | 181 |
| DW | 60.800 usec |
| DE | 6.50 usec |
| TE | 303.0 K |
| D1 | 1.00000000 sec |
| TD0 | 1 |
| ======== CHANNEL f1 ======== | |
| NUC1 | 1H |
| P1 | 15.00 usec |
| PL1 | -0.65 dB |
| PL1W | 14.99557495 W |
| SFO1 | 400.1624712 MHz |
| SI | 32768 |
| SF | 400.1600143 MHz |
| WDW | EM |
| SSB | 0 |
| LB | 0.30 Hz |
| GB | 0 |
| PC | 1.00 |

11B{1H} [PtCl(κ2-P,S-Me)(P,S-Bodipy)]Cl (17)



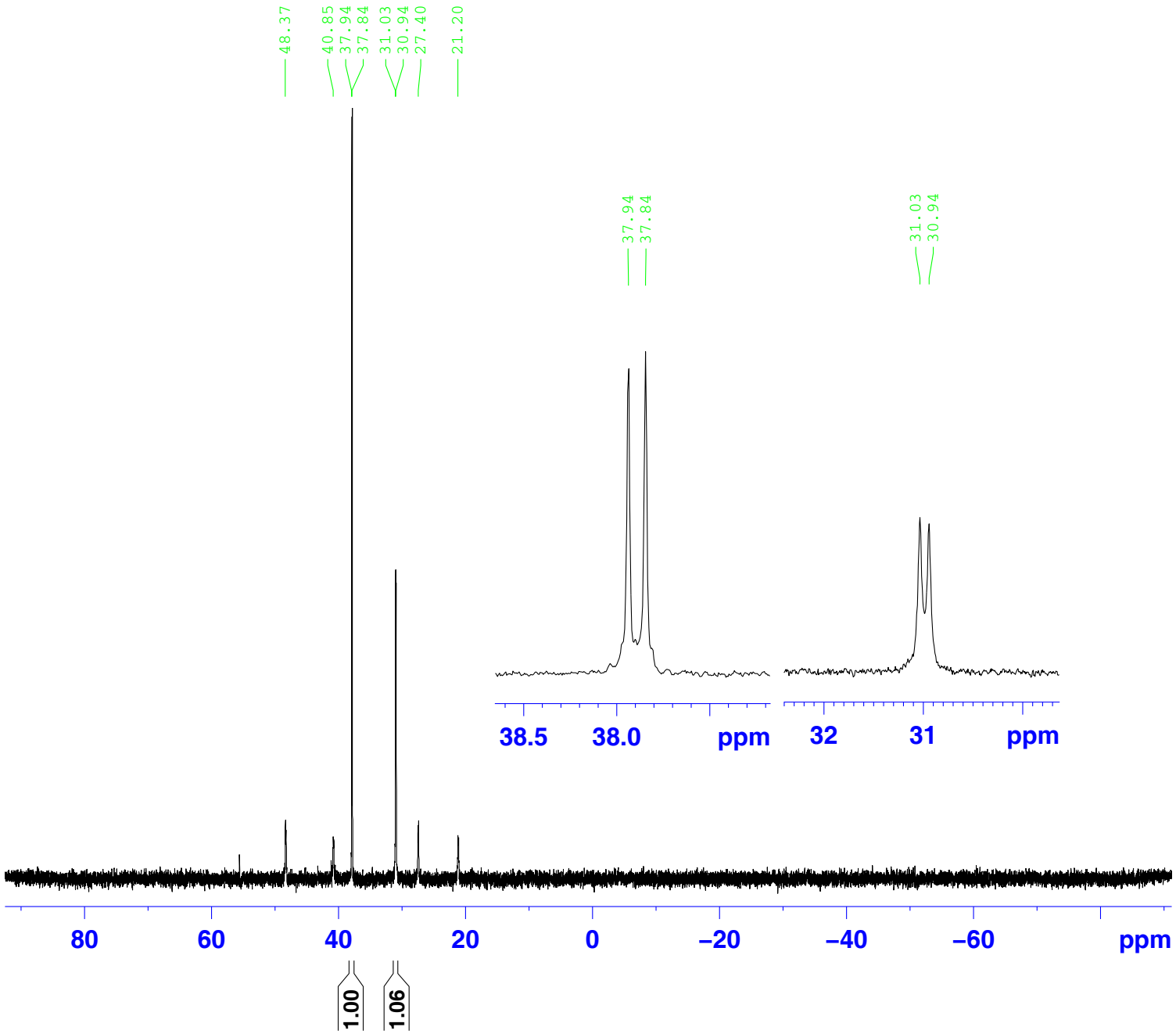

| | |
|---|---|
| NAME | Paper |
| EXPNO | 61 |
| PROCNO | 1 |
| Date_ | 20121207 |
| Time | 14.02 |
| INSTRUM | spect |
| PROBHD | 5 mm PABBO BB- |
| PULPROG | zgig |
| TD | 16384 |
| SOLVENT | CD2Cl2 |
| NS | 96 |
| DS | 0 |
| SWH | 15432.099 Hz |
| FIDRES | 0.941901 Hz |
| AQ | 0.5308916 sec |
| RG | 812 |
| DW | 32.400 usec |
| DE | 6.50 usec |
| TE | 303.1 K |
| D1 | 1.00000000 sec |
| D11 | 0.03000000 sec |
| TD0 | 1 |
| ======== CHANNEL f1 ======== | |
| NUC1 | 11B |
| P1 | 12.80 usec |
| PL1 | 1.00 dB |
| PL1W | 17.63811874 W |
| SFO1 | 128.3859468 MHz |
| ======== CHANNEL f2 ======== | |
| CPDPRG2 | waltz16 |
| NUC2 | 1H |
| PCPD2 | 80.00 usec |
| PL2 | -0.50 dB |
| PL12 | 14.25 dB |
| PL2W | 14.48648834 W |
| PL12W | 0.48524728 W |
| SFO2 | 400.1616006 MHz |
| SI | 32768 |
| SF | 128.3873041 MHz |
| WDW | EM |
| SSB | 0 |
| LB | 1.00 Hz |
| GB | 0 |
| PC | 1.40 |

19F [PtCl(κ2-P,S-Me)(P,S-Bodipy)]Cl (17)



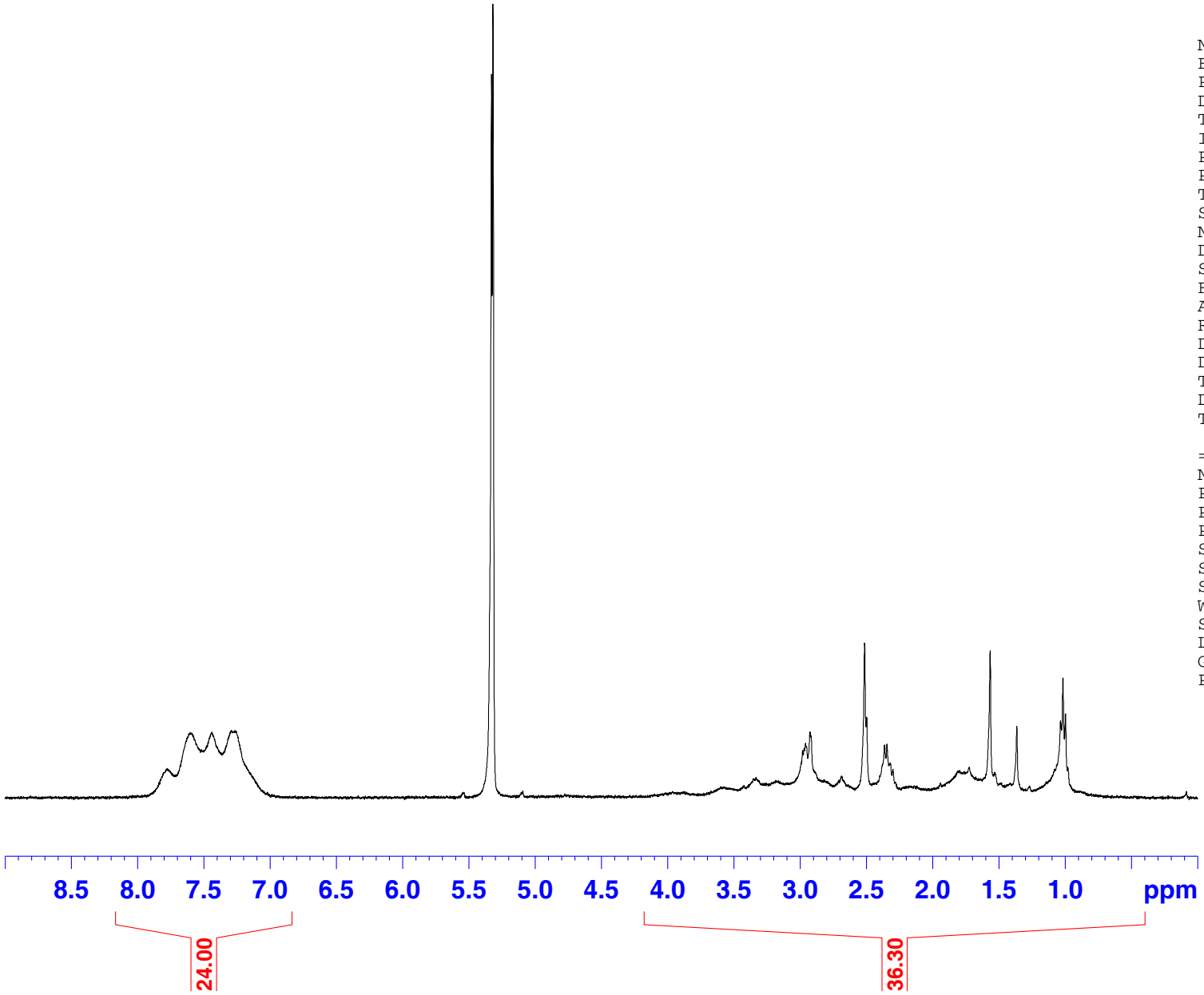

| | |
|---|---|
| NAME | Paper |
| EXPNO | 62 |
| PROCNO | 1 |
| Date_ | 20121207 |
| Time | 14.09 |
| INSTRUM | spect |
| PROBHD | 5 mm PABBO BB- |
| PULPROG | zgfhigqn |
| TD | 131072 |
| SOLVENT | CD2Cl2 |
| NS | 41 |
| DS | 4 |
| SWH | 89285.711 Hz |
| FIDRES | 0.681196 Hz |
| AQ | 0.7340532 sec |
| RG | 2050 |
| DW | 5.600 usec |
| DE | 6.50 usec |
| TE | 303.0 K |
| D1 | 1.00000000 sec |
| D11 | 0.03000000 sec |
| D12 | 0.00002000 sec |
| TD0 | 1 |
| ======== CHANNEL f1 ======== | |
| NUC1 | 19F |
| P1 | 19.50 usec |
| PL1 | -4.00 dB |
| PL1W | 22.71446419 W |
| SFO1 | 376.4889418 MHz |
| ======== CHANNEL f2 ======== | |
| CPDPRG2 | waltz16 |
| NUC2 | 1H |
| PCPD2 | 112.00 usec |
| PL2 | -4.00 dB |
| PL12 | 18.00 dB |
| PL2W | 32.43120575 W |
| PL12W | 0.20462708 W |
| SFO2 | 400.1616006 MHz |
| SI | 65536 |
| SF | 376.5267678 MHz |
| WDW | EM |
| SSB | 0 |
| LB | 0.30 Hz |
| GB | 0 |
| PC | 1.00 |

31P {1H} [Pt(κ2-P,S-Me)( κ2-P,S-Bodipy)]2BF4 (18)



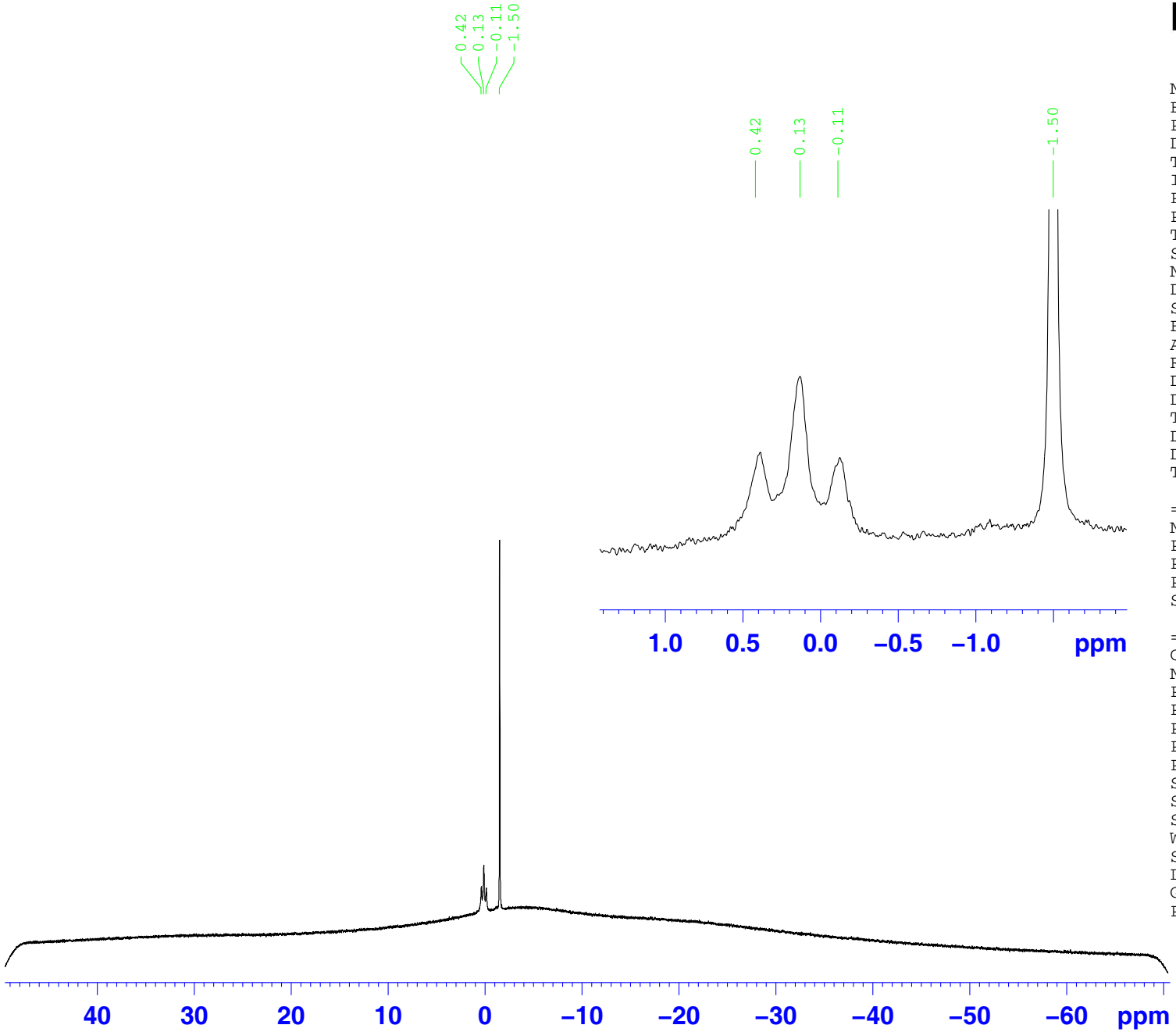

| | |
|---|---|
| NAME | Paper |
| EXPNO | 68 |
| PROCNO | 1 |
| Date_ | 20121210 |
| Time | 12.44 |
| INSTRUM | spect |
| PROBHD | 5 mm PABBO BB- |
| PULPROG | zgpg30 |
| TD | 65536 |
| SOLVENT | CD2Cl2 |
| NS | 220 |
| DS | 4 |
| SWH | 64102.563 Hz |
| FIDRES | 0.978127 Hz |
| AQ | 0.5112308 sec |
| RG | 2050 |
| DW | 7.800 usec |
| DE | 6.50 usec |
| TE | 303.0 K |
| D1 | 2.00000000 sec |
| D11 | 0.03000000 sec |
| TD0 | 1 |
| ======== CHANNEL f1 ======== | |
| NUC1 | 31P |
| P1 | 14.90 usec |
| PL1 | 1.95 dB |
| PL1W | 16.51342773 W |
| SFO1 | 161.9796378 MHz |
| ======== CHANNEL f2 ======== | |
| CPDPRG2 | waltz16 |
| NUC2 | 1H |
| PCPD2 | 80.00 usec |
| PL2 | -0.50 dB |
| PL12 | 14.25 dB |
| PL13 | 16.25 dB |
| PL2W | 14.48648834 W |
| PL12W | 0.48524728 W |
| PL13W | 0.30617034 W |
| SFO2 | 400.1616006 MHz |
| SI | 32768 |
| SF | 161.9876419 MHz |
| WDW | EM |
| SSB | 0 |
| LB | 1.00 Hz |
| GB | 0 |
| PC | 1.40 |

1H [Pt(κ2-P,S-Me)( κ2-P,S-Bodipy)]2BF4 (18)



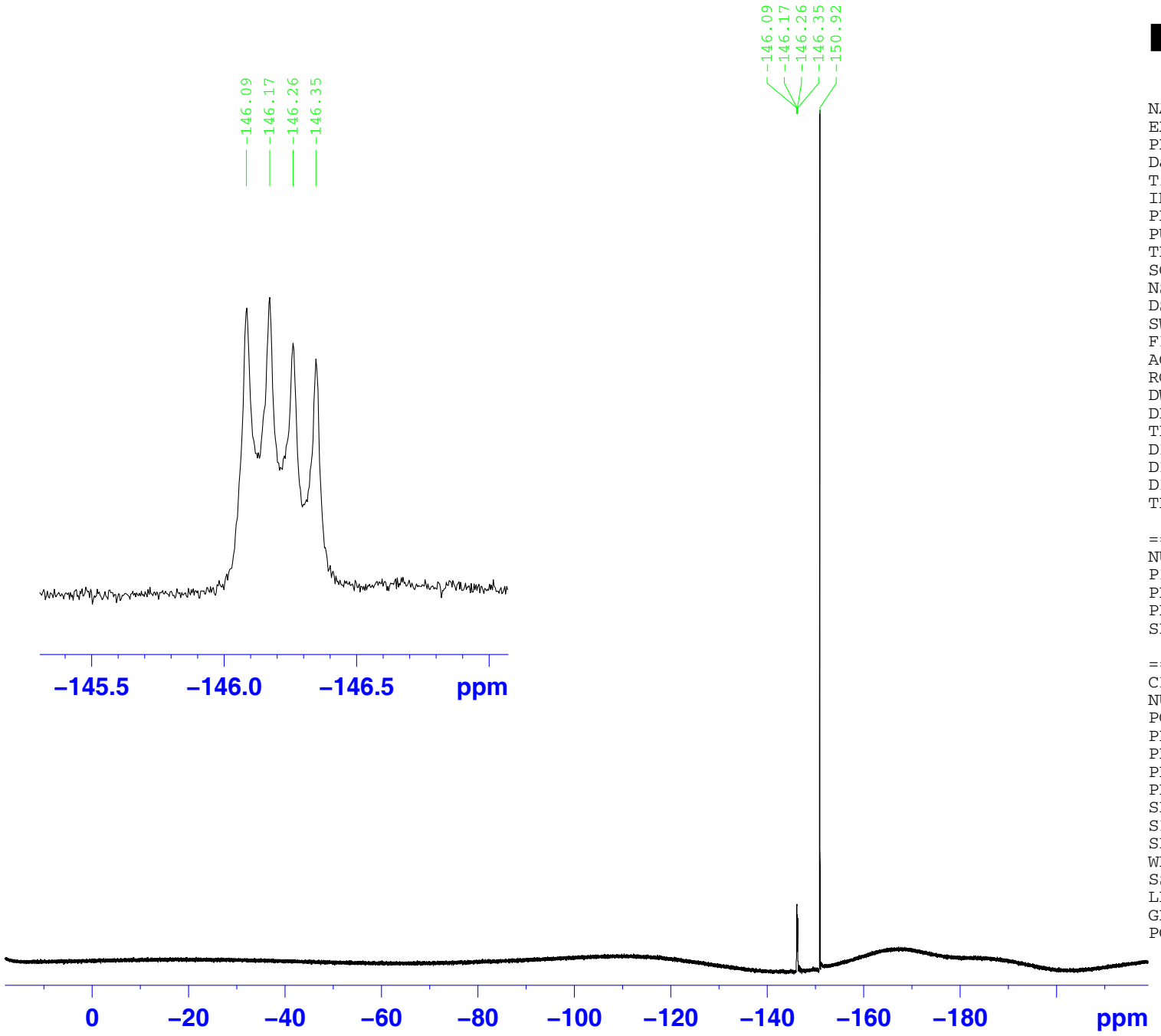

| | |
|---|---|
| NAME | Paper |
| EXPNO | 70 |
| PROCNO | 1 |
| Date_ | 20121210 |
| Time | 14.04 |
| INSTRUM | spect |
| PROBHD | 5 mm PABBO BB- |
| PULPROG | zg30 |
| TD | 65536 |
| SOLVENT | CD2Cl2 |
| NS | 16 |
| DS | 2 |
| SWH | 8223.685 Hz |
| FIDRES | 0.125483 Hz |
| AQ | 3.9846387 sec |
| RG | 322 |
| DW | 60.800 usec |
| DE | 6.50 usec |
| TE | 303.1 K |
| D1 | 1.00000000 sec |
| TD0 | 1 |
| ======== CHANNEL f1 ======== | |
| NUC1 | 1H |
| P1 | 15.00 usec |
| PL1 | -0.65 dB |
| PL1W | 14.99557495 W |
| SFO1 | 400.1624712 MHz |
| SI | 32768 |
| SF | 400.1600143 MHz |
| WDW | EM |
| SSB | 0 |
| LB | 0.30 Hz |
| GB | 0 |
| PC | 1.00 |

11B{1H} [Pt(κ2-P,S-Me)( κ2-P,S-Bodipy)]2BF4 (18)




| | | |
|---|---|---|
| NAME | Paper | |
| EXPNO | 66 | |
| PROCNO | 1 | |
| Date_ | 20121210 | |
| Time | 15.22 | |
| INSTRUM | spect | |
| PROBHD | 5 mm PABBO BB- | |
| PULPROG | zgig | |
| TD | 16384 | |
| SOLVENT | CD2Cl2 | |
| NS | 252 | |
| DS | 0 | |
| SWH | 15432.099 | Hz |
| FIDRES | 0.941901 | Hz |
| AQ | 0.5308916 | sec |
| RG | 812 | |
| DW | 32.400 | usec |
| DE | 6.50 | usec |
| TE | 303.0 | K |
| D1 | 1.00000000 | sec |
| D11 | 0.03000000 | sec |
| TD0 | 1 | |
| ======== CHANNEL f1 ======== | | |
| NUC1 | 11B | |
| P1 | 12.80 | usec |
| PL1 | 1.00 | dB |
| PL1W | 17.63811874 | W |
| SFO1 | 128.3859468 | MHz |
| ======== CHANNEL f2 ======== | | |
| CPDPRG2 | waltz16 | |
| NUC2 | 1H | |
| PCPD2 | 80.00 | usec |
| PL2 | -0.50 | dB |
| PL12 | 14.25 | dB |
| PL2W | 14.48648834 | W |
| PL12W | 0.48524728 | W |
| SFO2 | 400.1616006 | MHz |
| SI | 32768 | |
| SF | 128.3873041 | MHz |
| WDW | EM | |
| SSB | 0 | |
| LB | 1.00 | Hz |
| GB | 0 | |
| PC | 1.40 | |

19F [Pt(κ2-P,S-Me)( κ2-P,S-Bodipy)]2BF4 (18)




| | |
|---|---|
| NAME | Paper |
| EXPNO | 67 |
| PROCNO | 1 |
| Date_ | 20121210 |
| Time | 15.33 |
| INSTRUM | spect |
| PROBHD | 5 mm PABBO BB- |
| PULPROG | zgfhigqn |
| TD | 131072 |
| SOLVENT | CD2Cl2 |
| NS | 245 |
| DS | 4 |
| SWH | 89285.711 Hz |
| FIDRES | 0.681196 Hz |
| AQ | 0.7340532 sec |
| RG | 2050 |
| DW | 5.600 usec |
| DE | 6.50 usec |
| TE | 303.0 K |
| D1 | 1.00000000 sec |
| D11 | 0.03000000 sec |
| D12 | 0.00002000 sec |
| TD0 | 1 |
| ======== CHANNEL f1 ======== | |
| NUC1 | 19F |
| P1 | 19.50 usec |
| PL1 | -4.00 dB |
| PL1W | 22.71446419 W |
| SFO1 | 376.4889418 MHz |
| ======== CHANNEL f2 ======== | |
| CPDPRG2 | waltz16 |
| NUC2 | 1H |
| PCPD2 | 112.00 usec |
| PL2 | -4.00 dB |
| PL12 | 18.00 dB |
| PL2W | 32.43120575 W |
| PL12W | 0.20462708 W |
| SFO2 | 400.1616006 MHz |
| SI | 65536 |
| SF | 376.5267722 MHz |
| WDW | EM |
| SSB | 0 |
| LB | 0.30 Hz |
| GB | 0 |
| PC | 1.00 |

**References**

(1) Becke, A. D. *Phys. Rev. A* **1988**, *38*, 3098–3100.

(2) Perdew, J. P.; Yue, W. *Phys. Rev. B* **1986**, *33*, 8800–8802.

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(4) Lee, C.; Yang, W.; Parr, R. G. *Phys. Rev. B* **1988**, *37*, 785–789.

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(6) Stephens, P. J.; Devlin, F. J.; Chabalowski, C. F.; Frisch, M. J. *J. Phys. Chem.* **1994**, *98*, 11623–11627.