

Supporting Information

NHC-Catalyzed Organocatalytic Asymmetric Approach to 2,2-Disubstituted Benzofuran-3(2H)-ones Containing Fully Substituted Quaternary Stereogenic Center

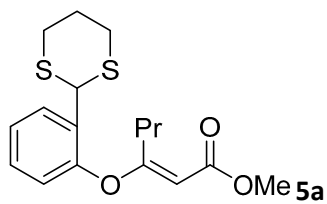
Zbigniew Rafiński*

Nicolaus Copernicus University in Toruń, Faculty of Chemistry, 7 Gagarin Street, 87-100 Toruń, Poland

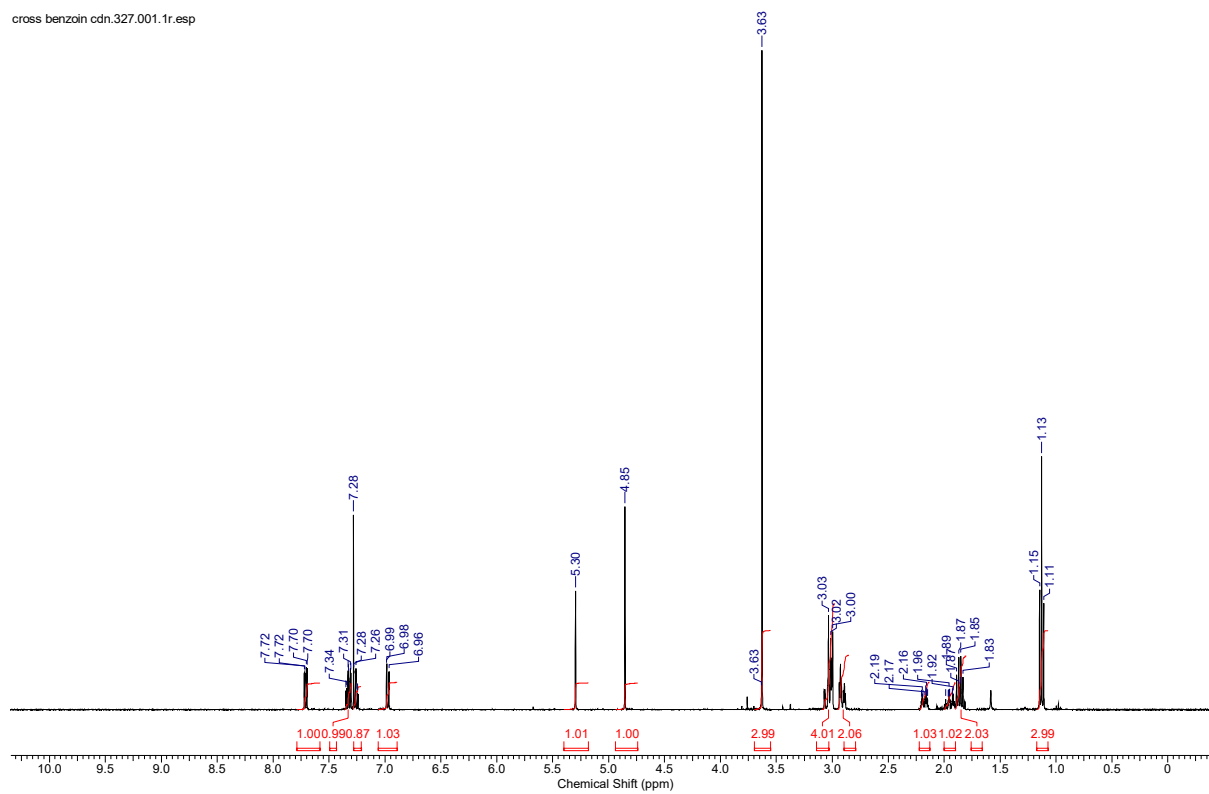
payudo@chem.umk.pl

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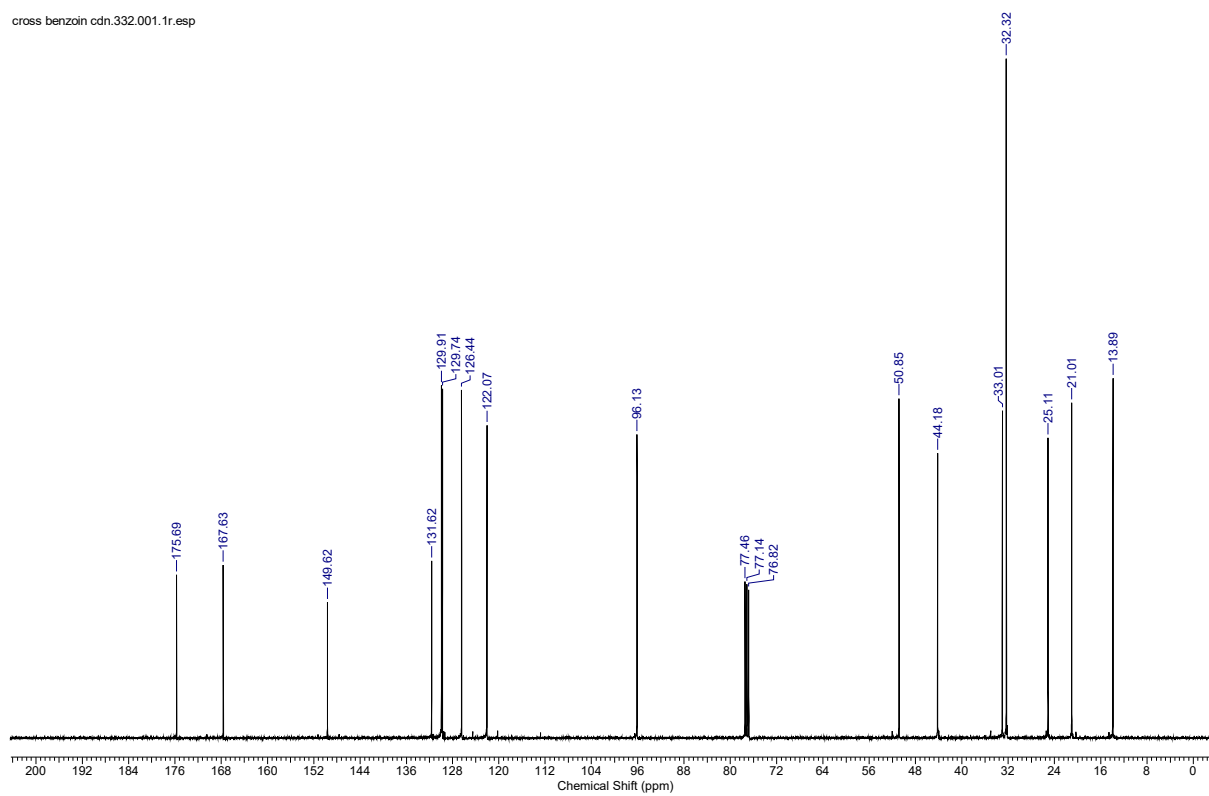
3. ¹H & ¹³C NMR data.....	S2
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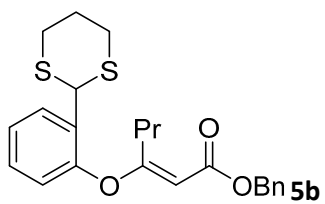


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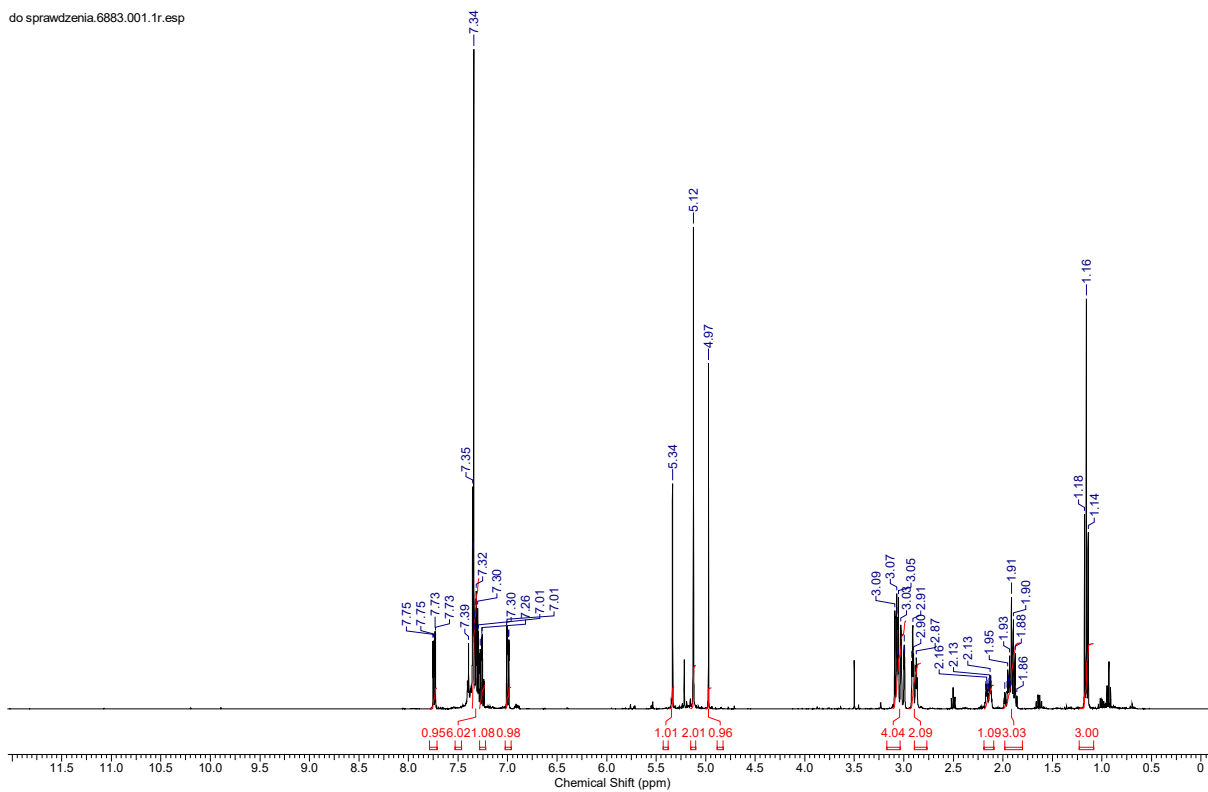


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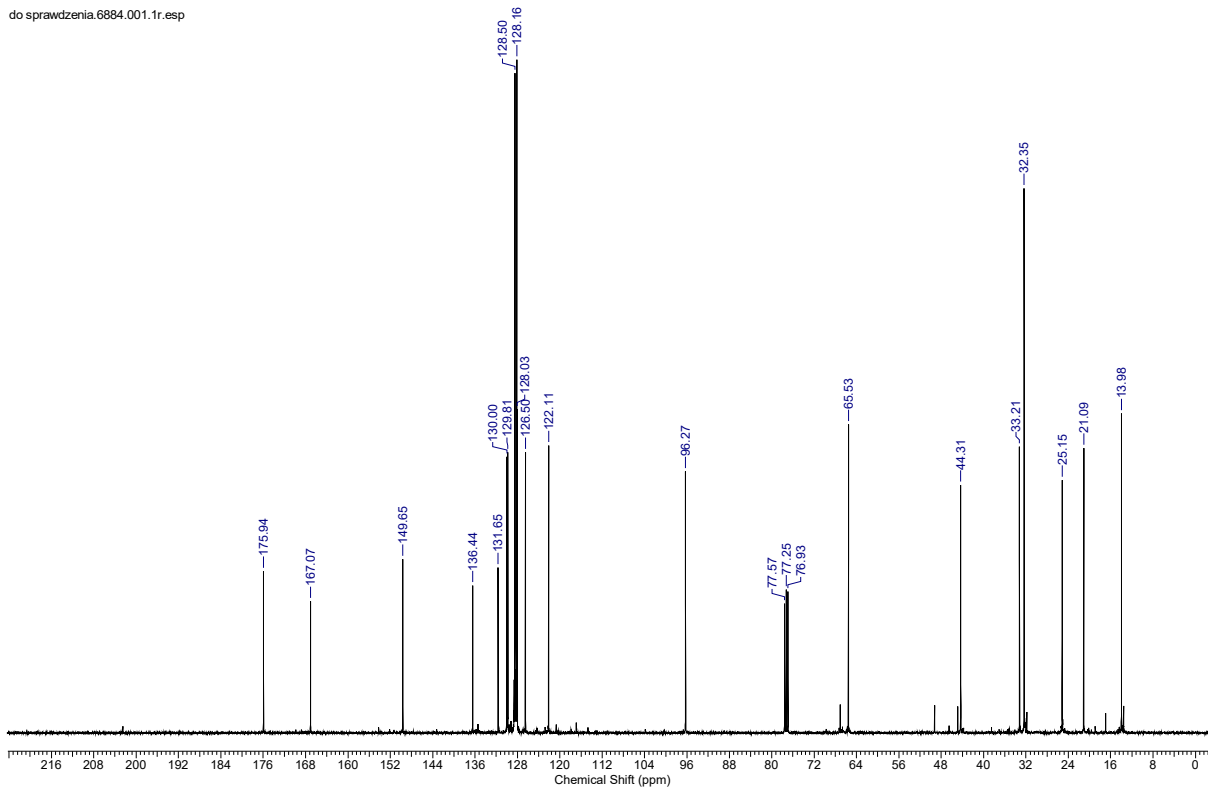


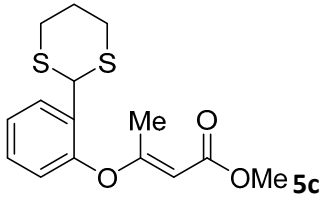


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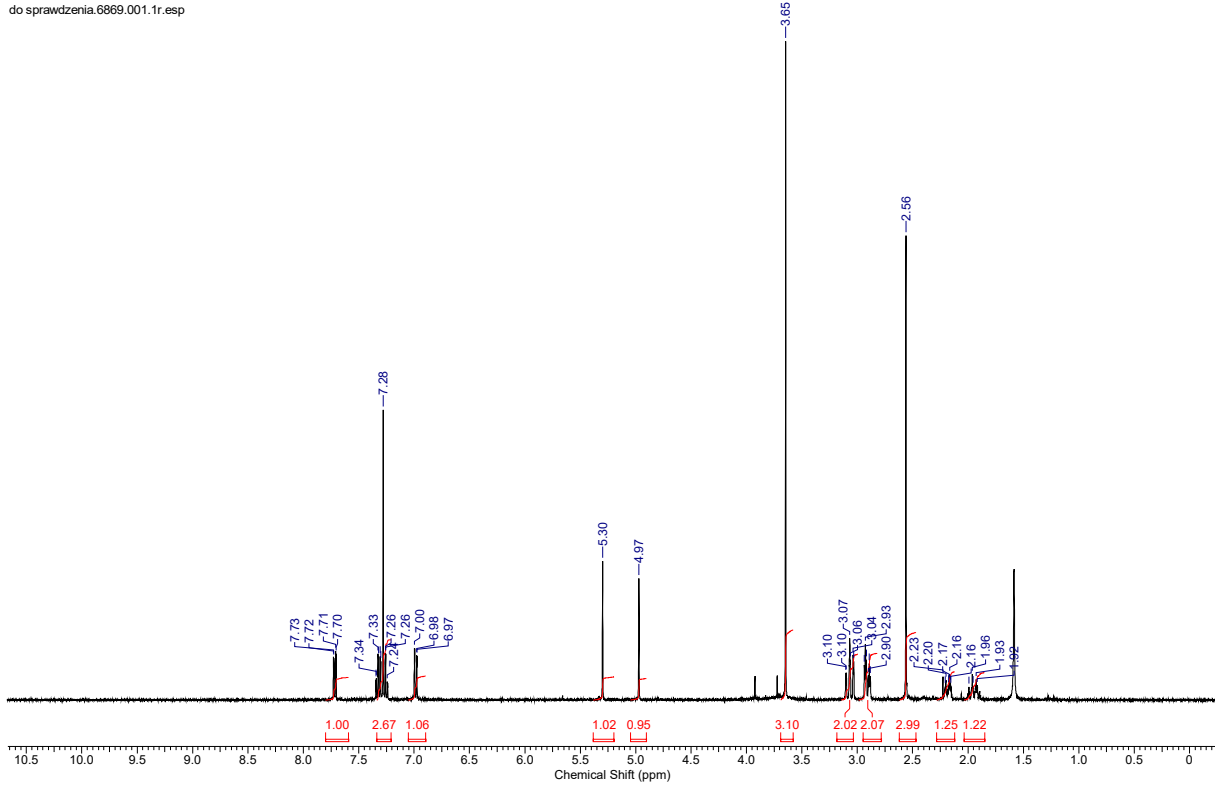


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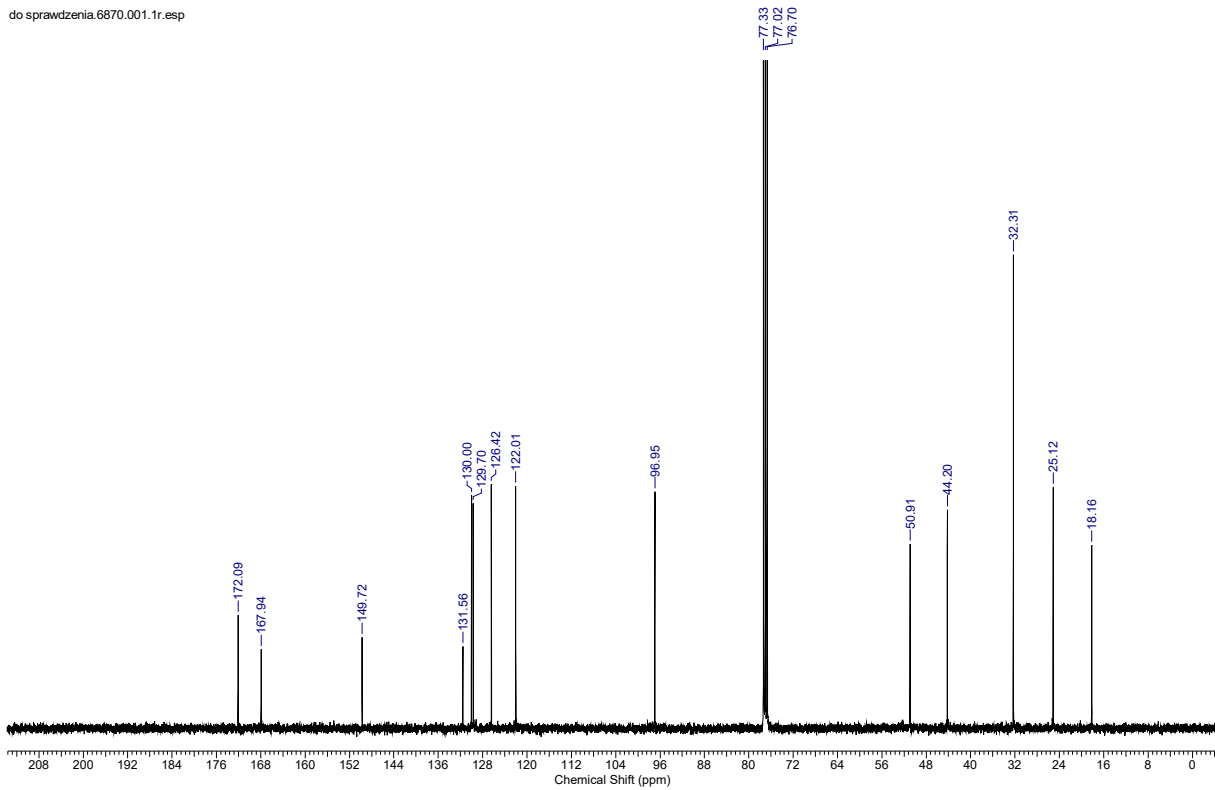


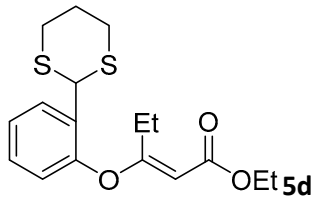


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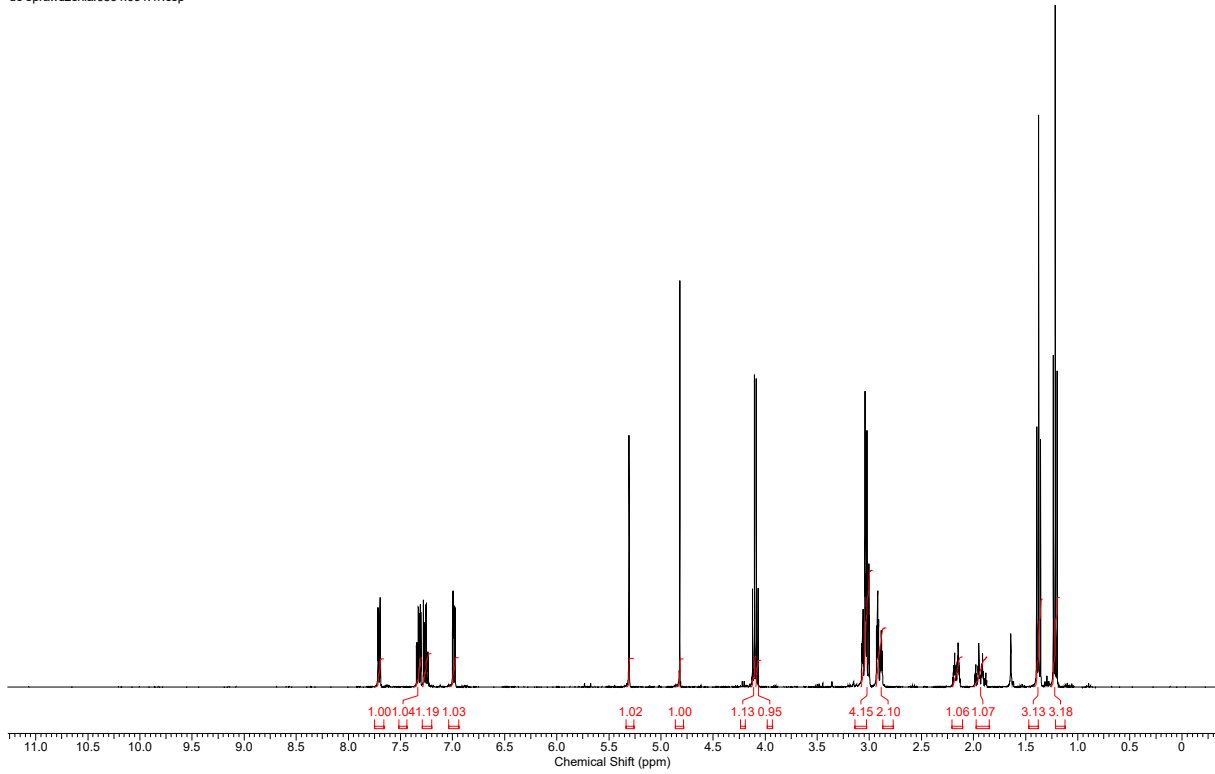


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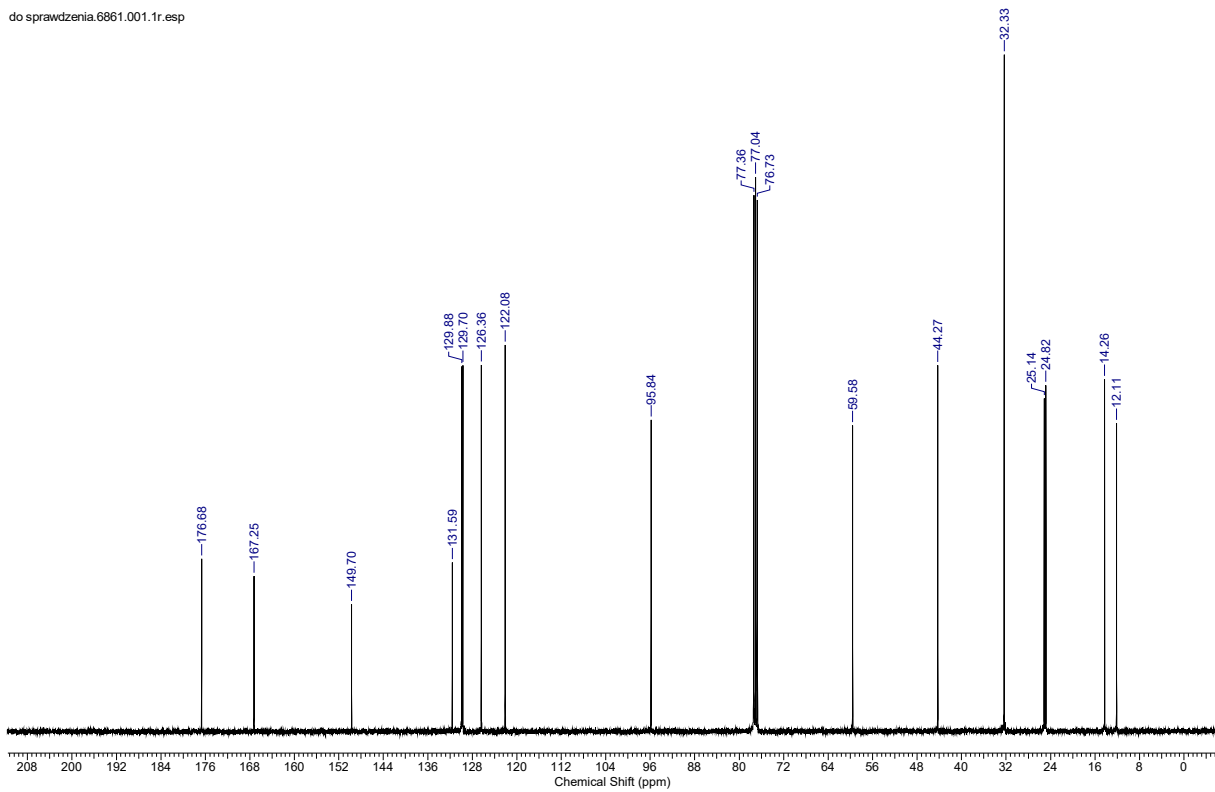


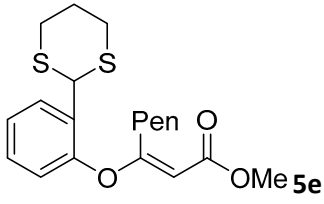


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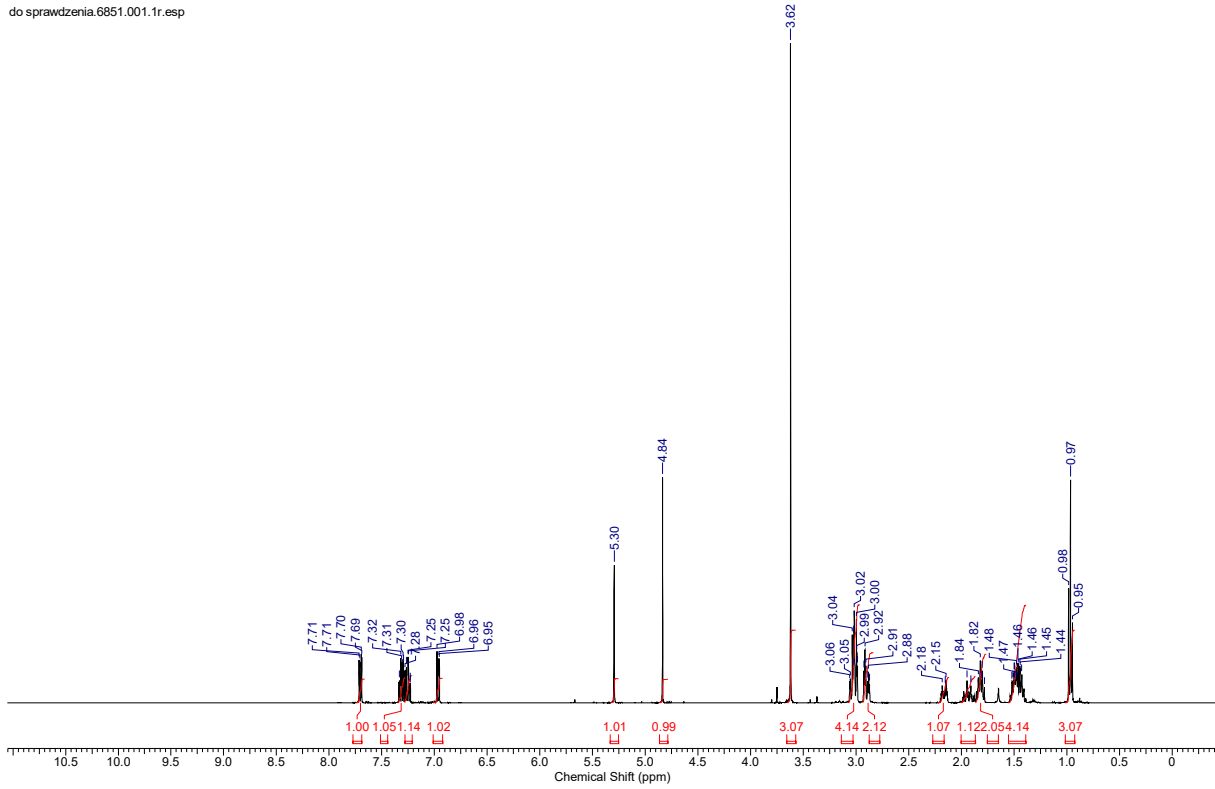


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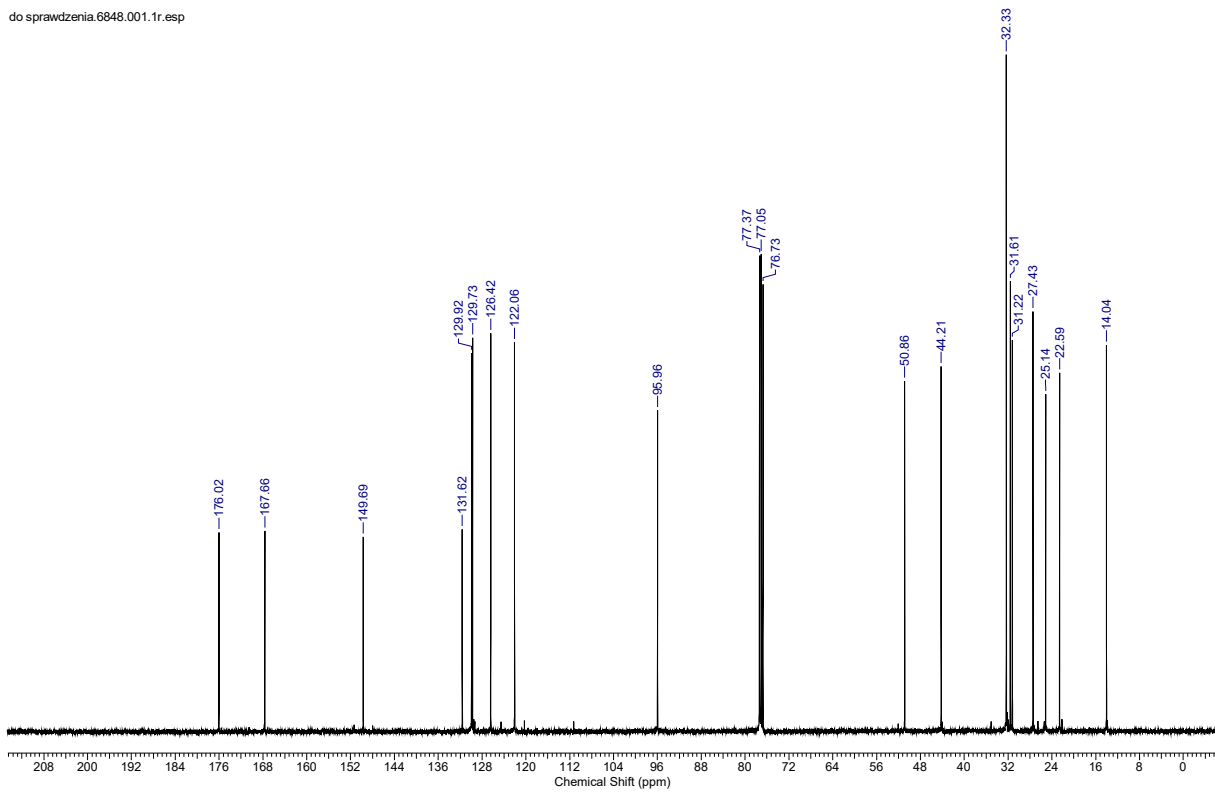


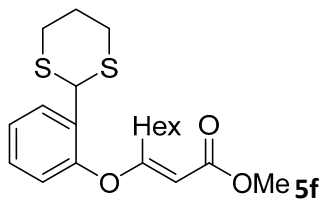


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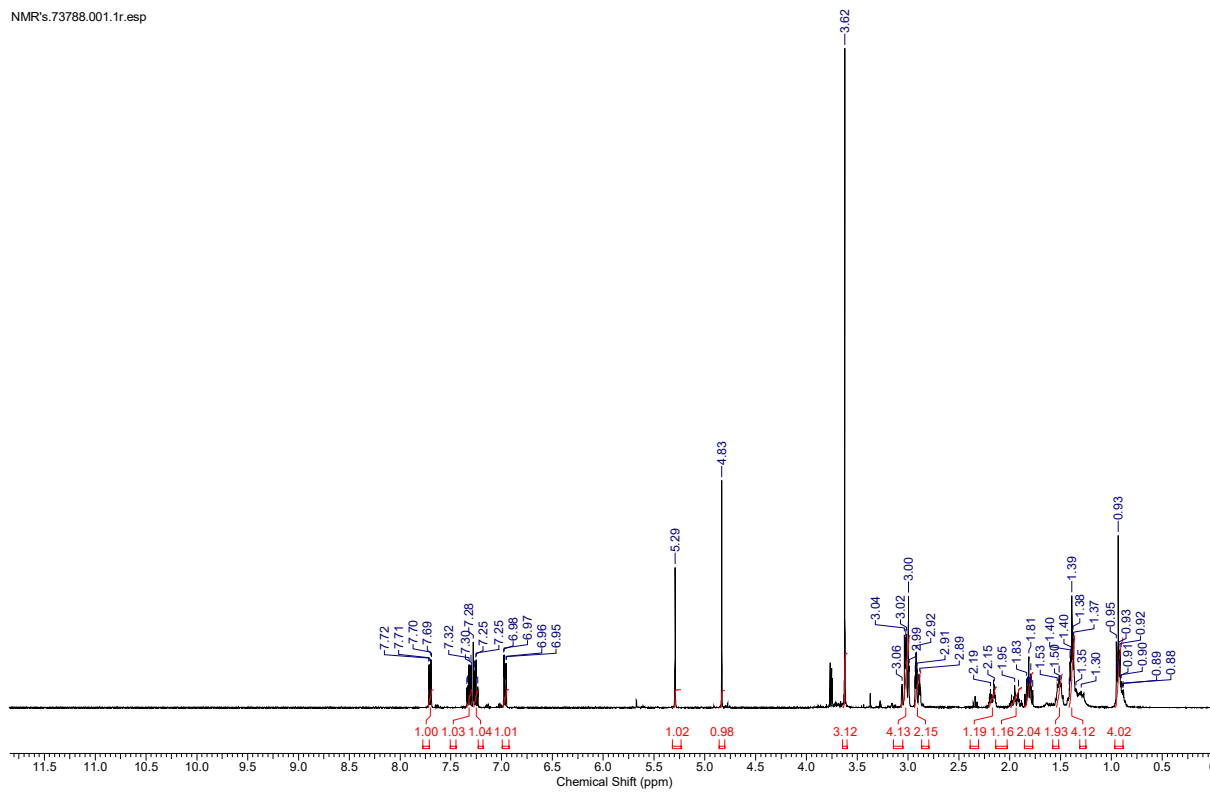


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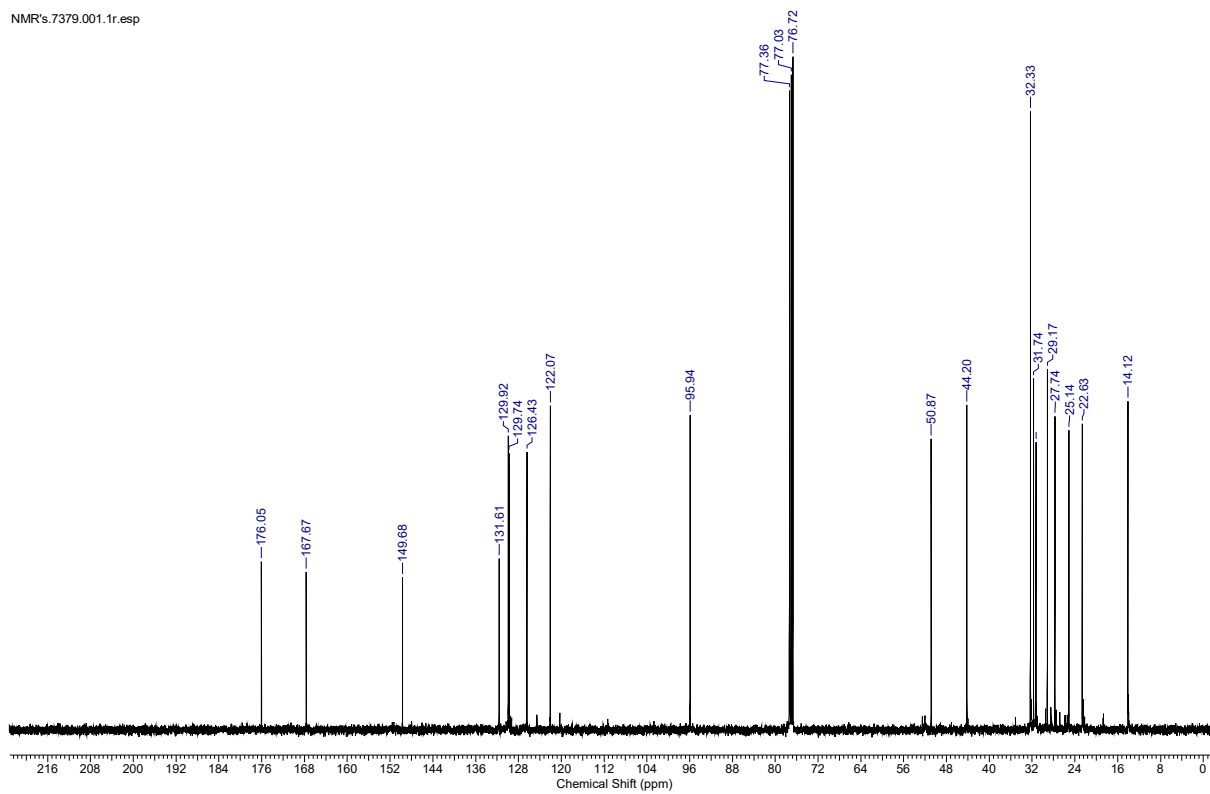


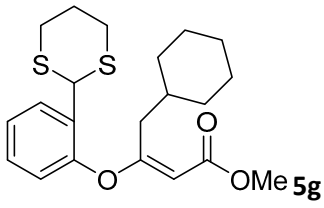


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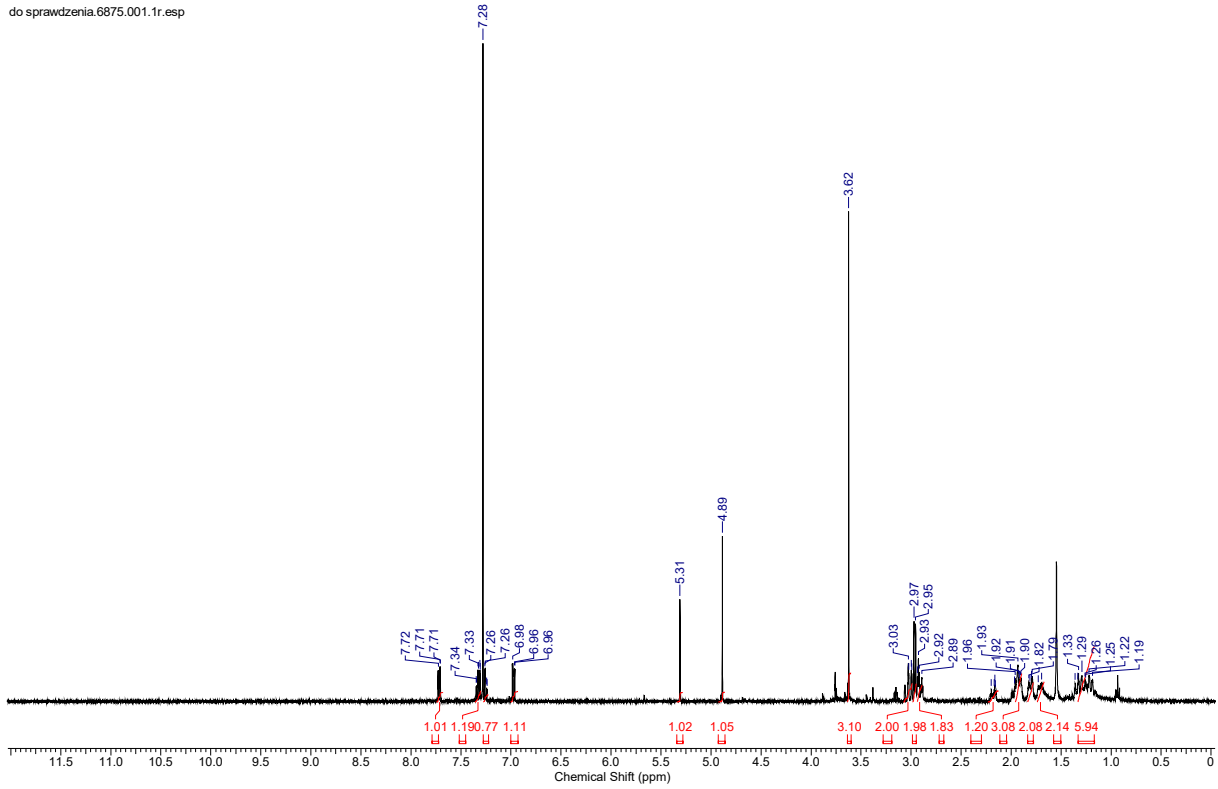


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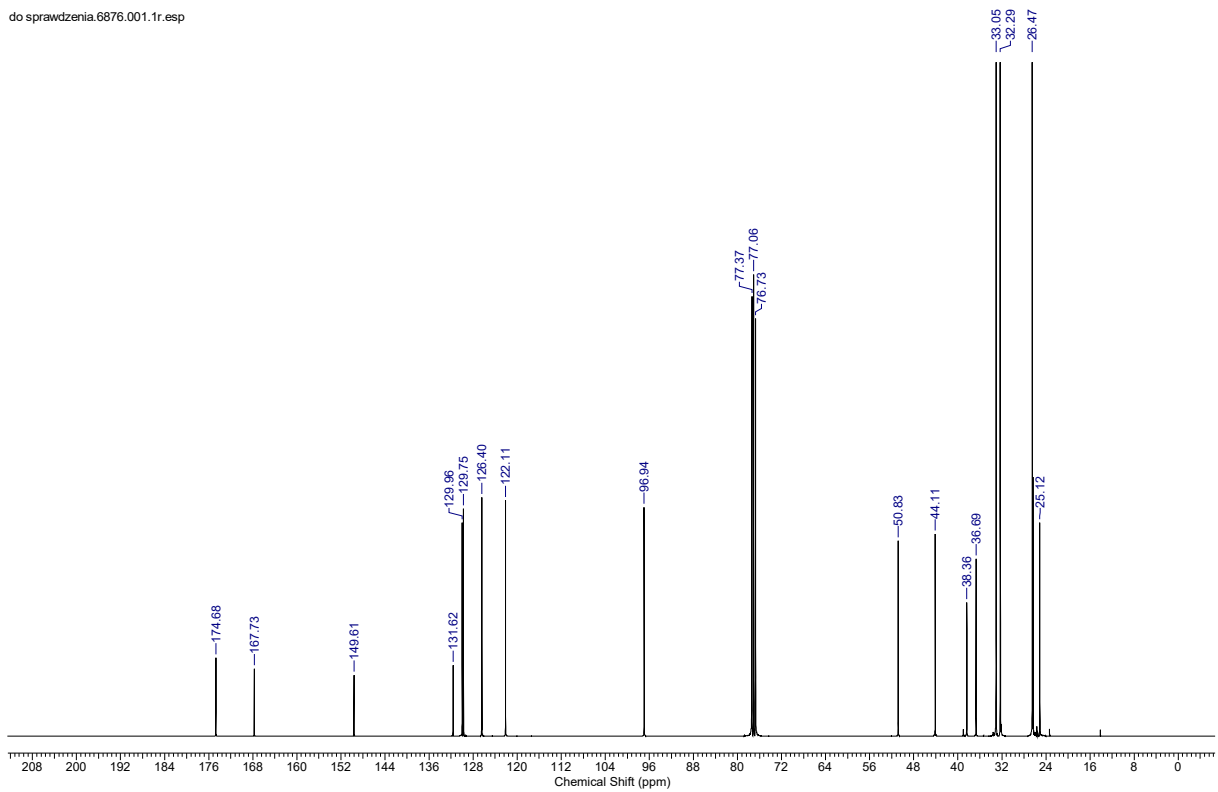


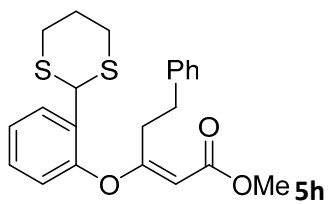


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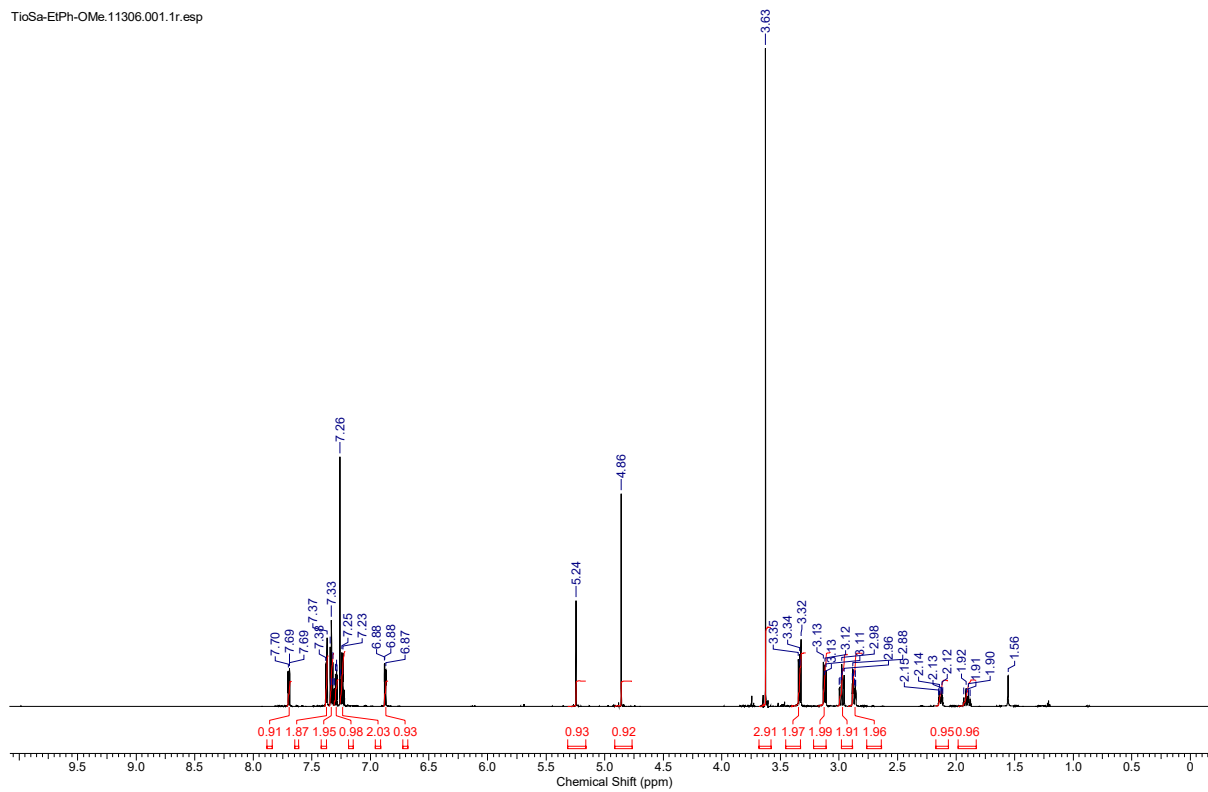


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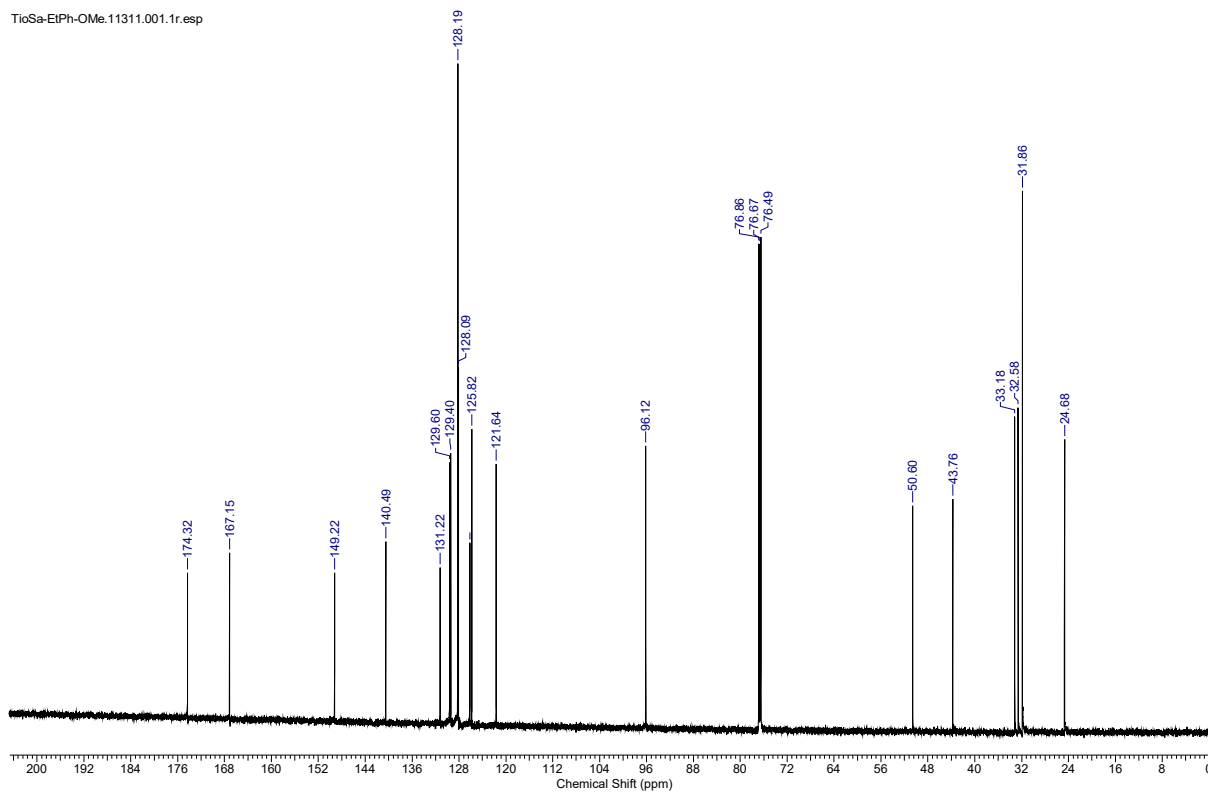


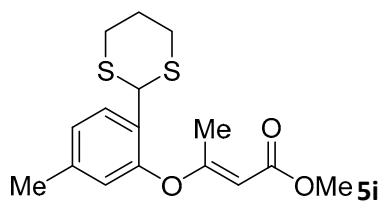


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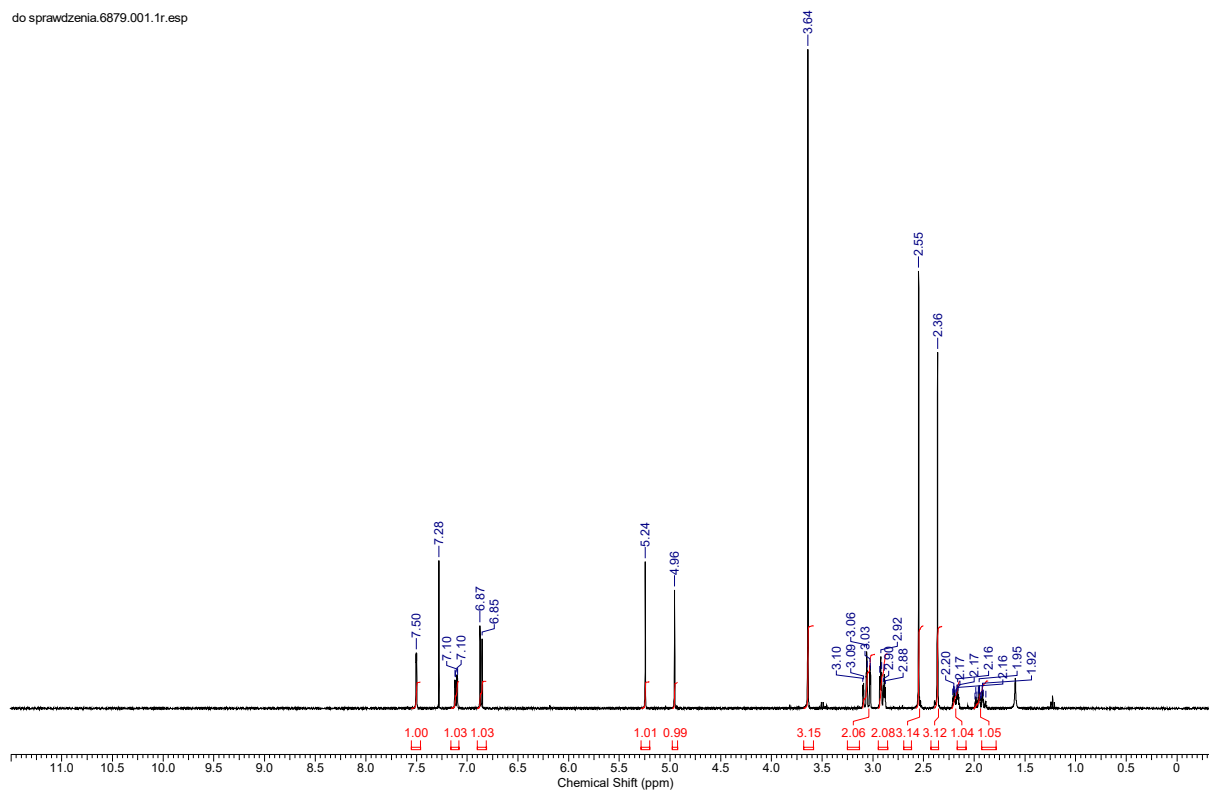


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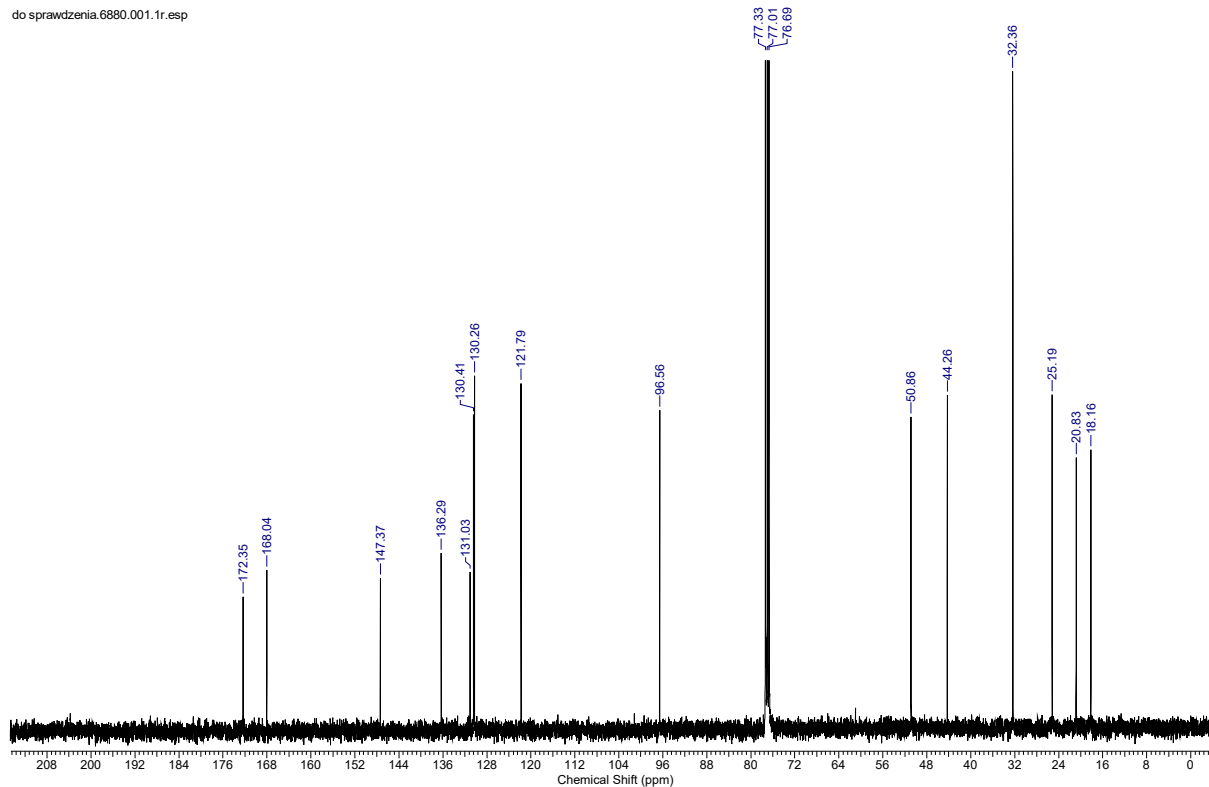


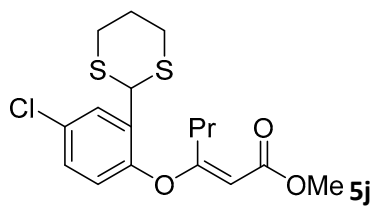


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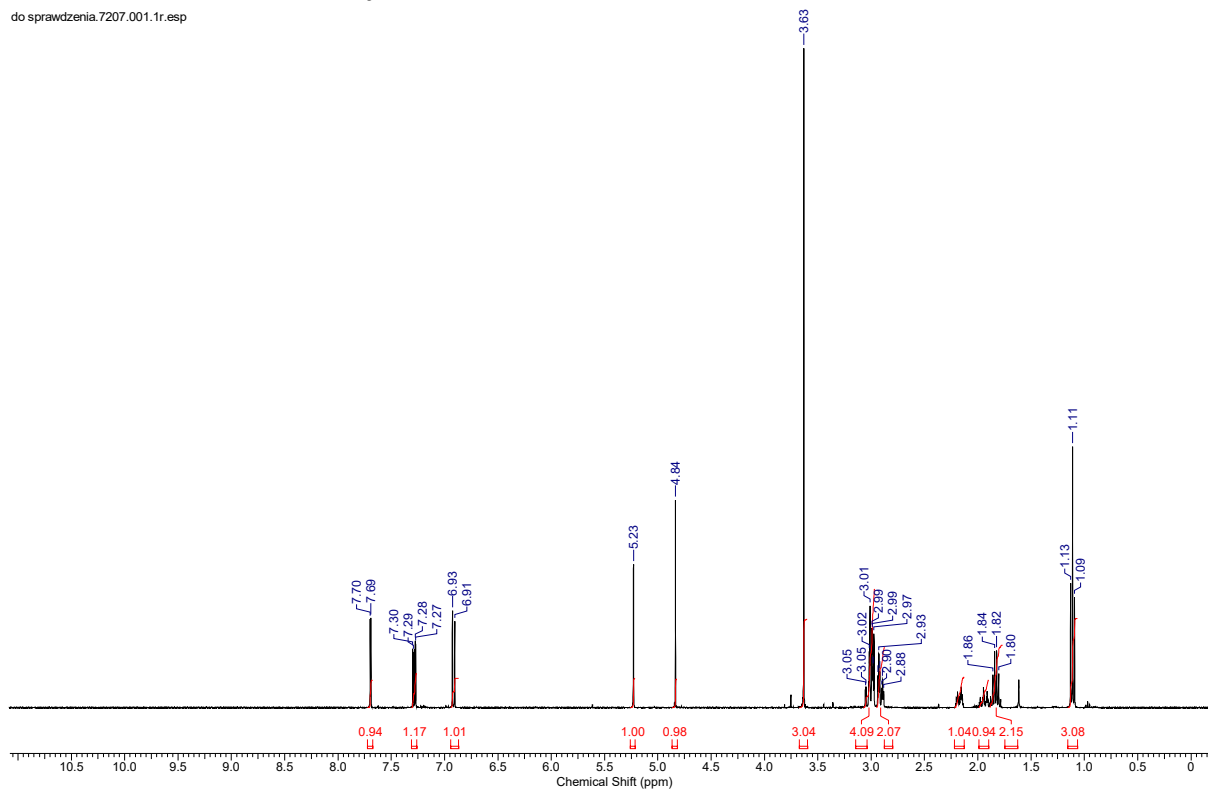


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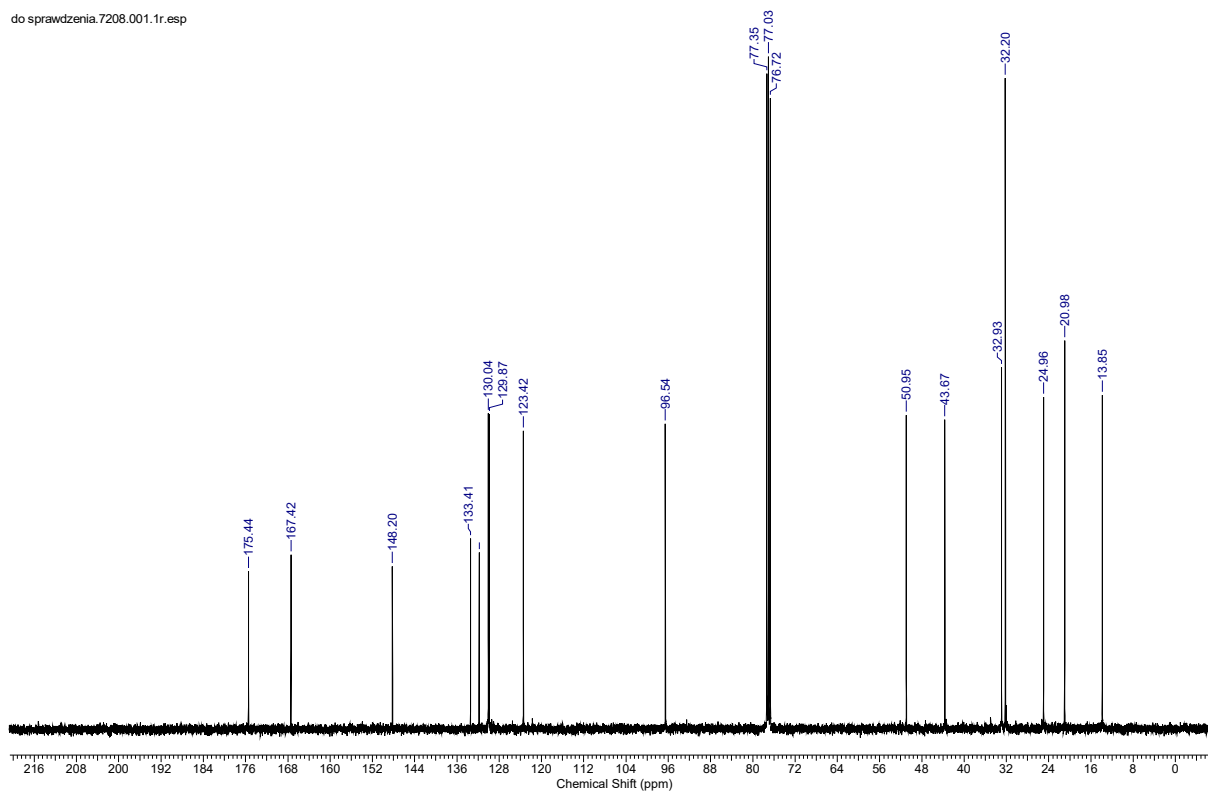


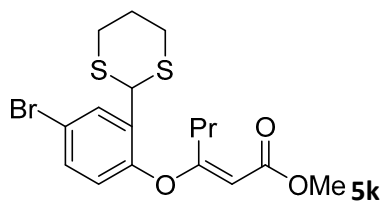


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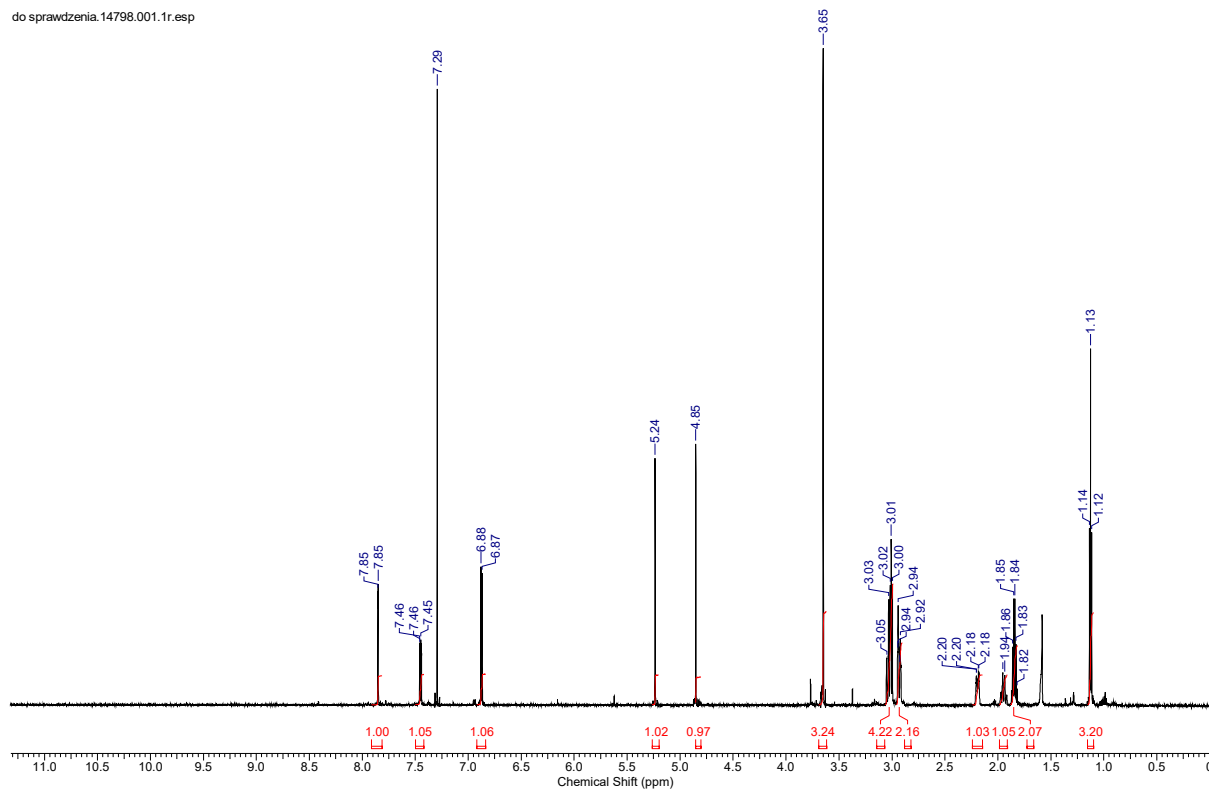


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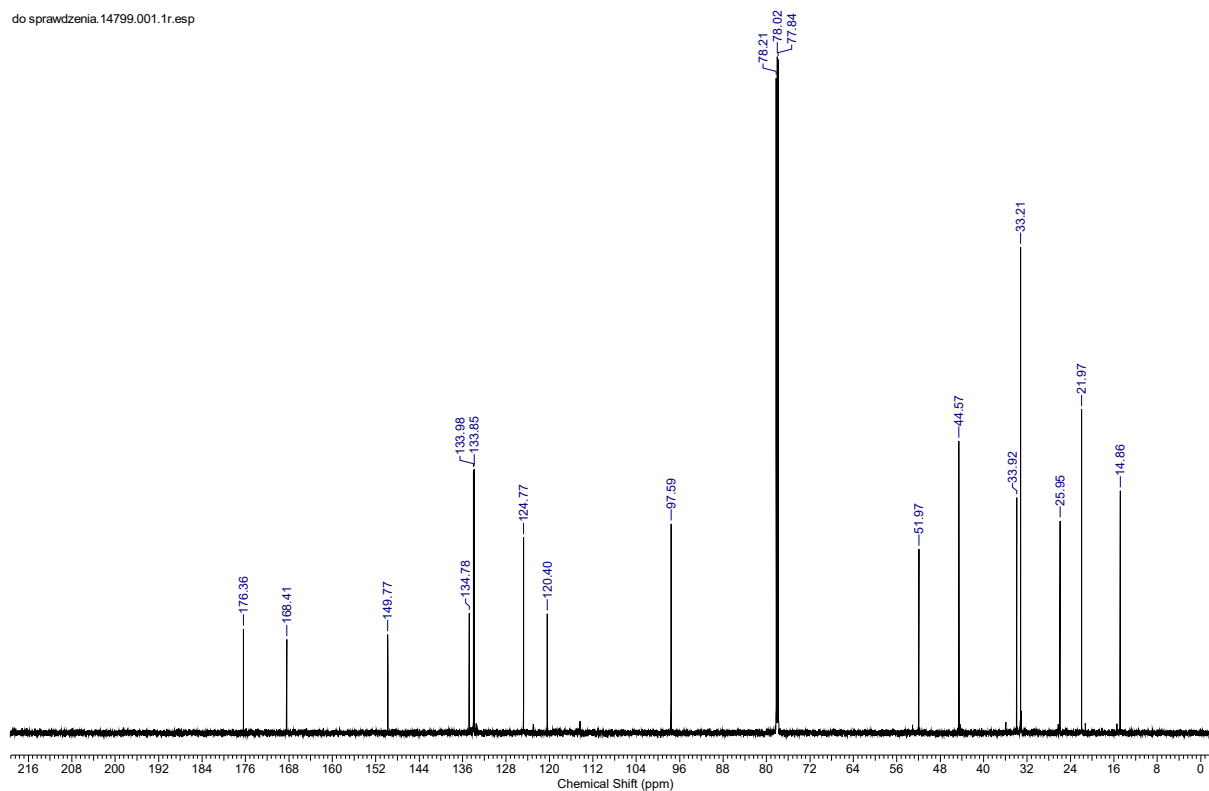


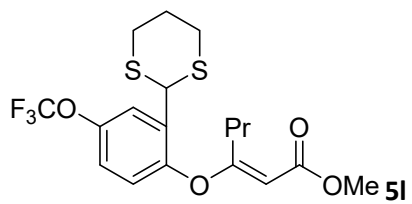


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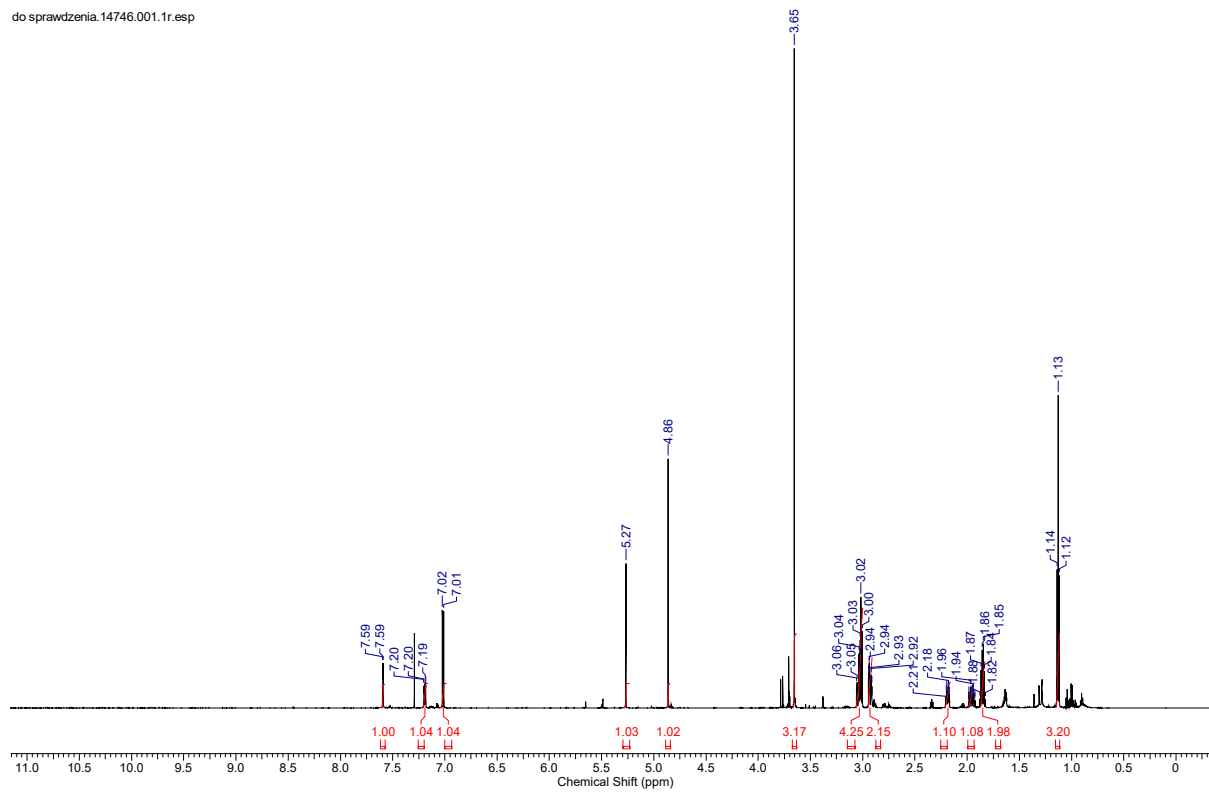


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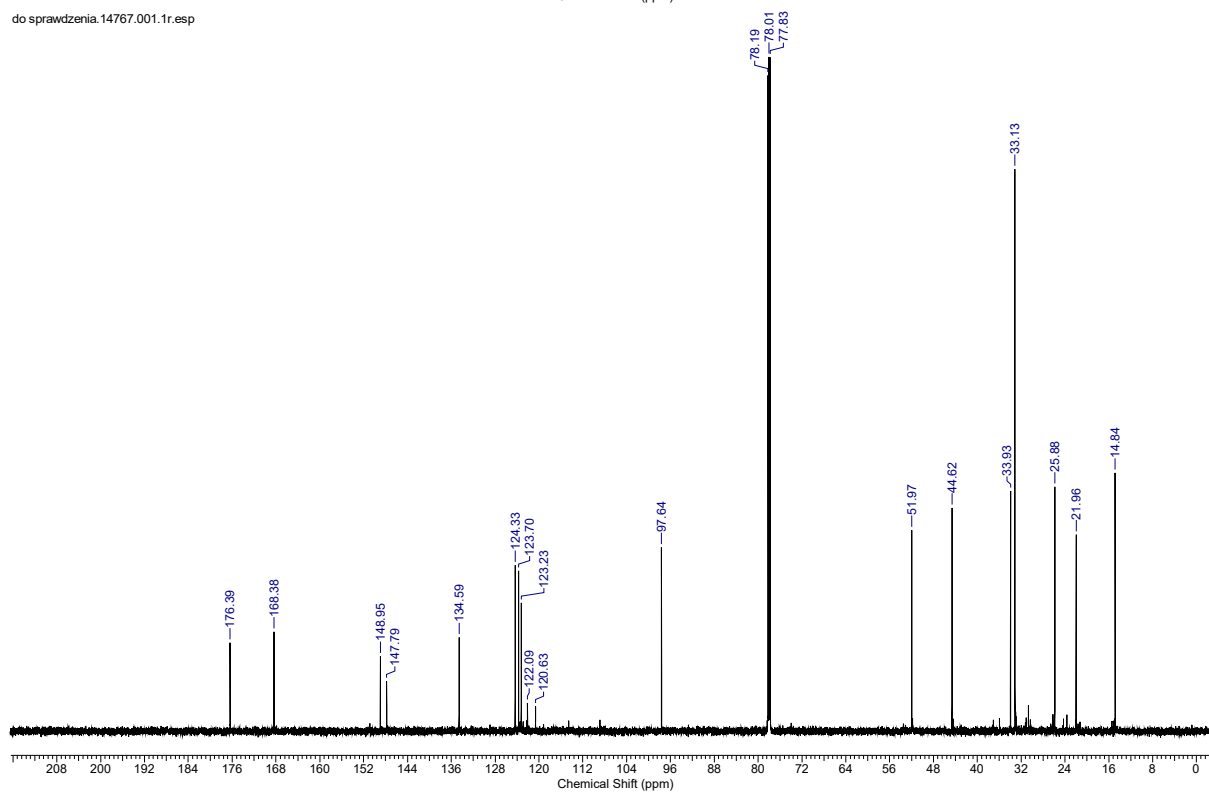


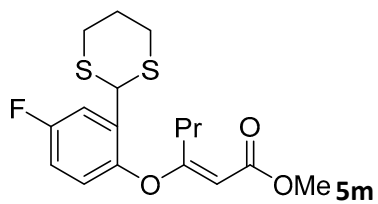


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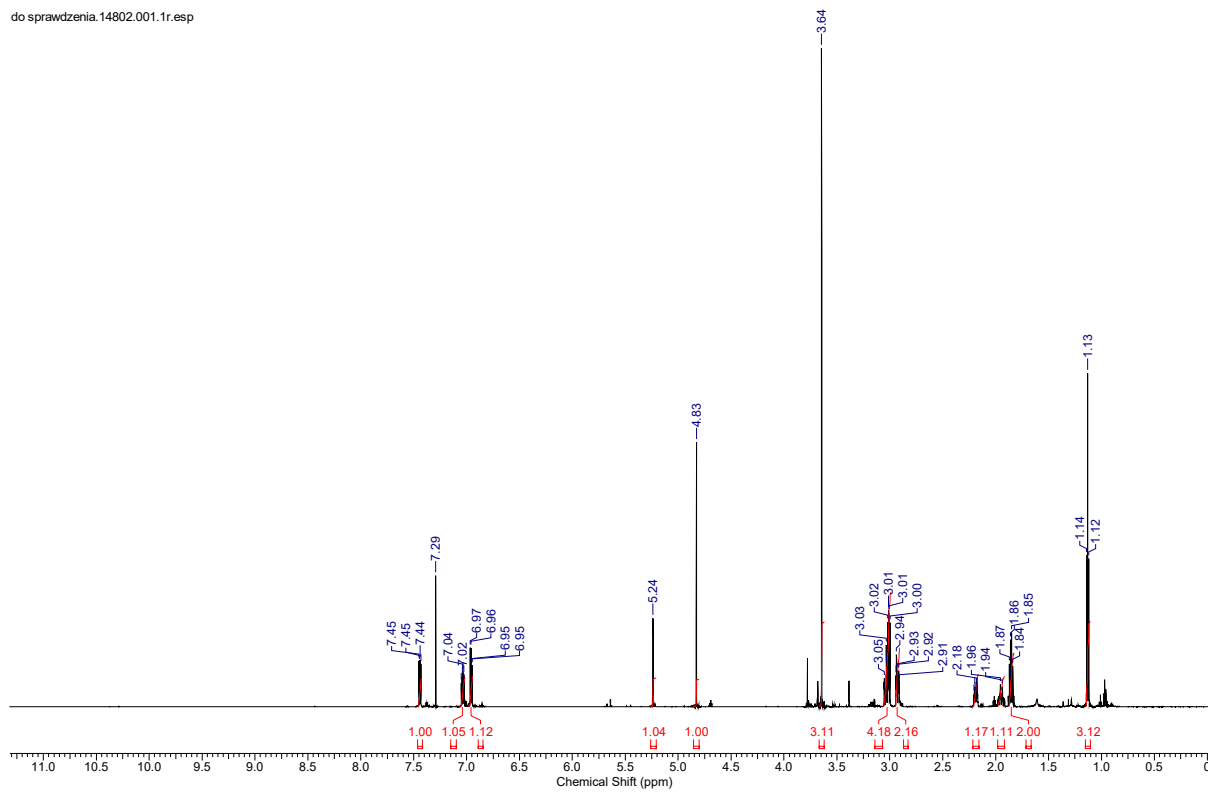


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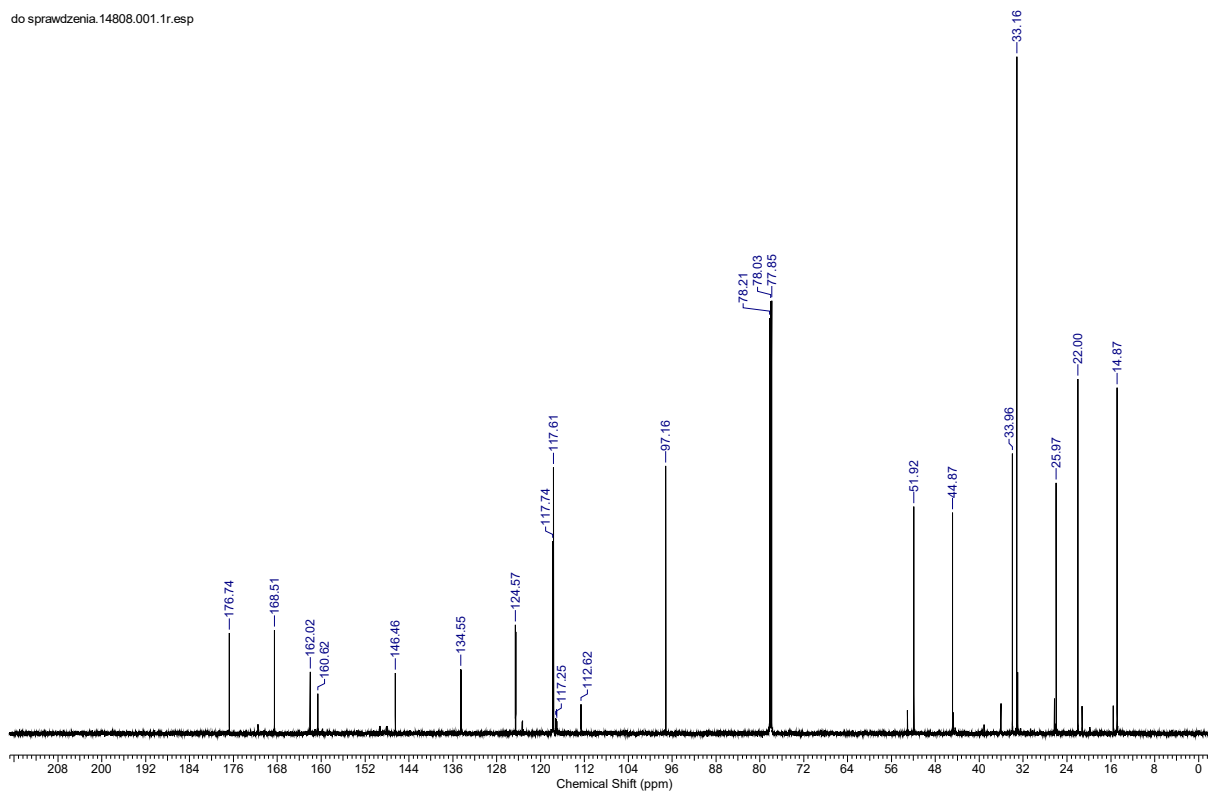


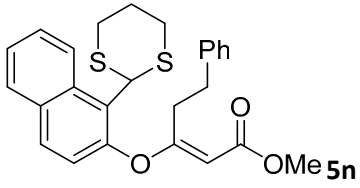


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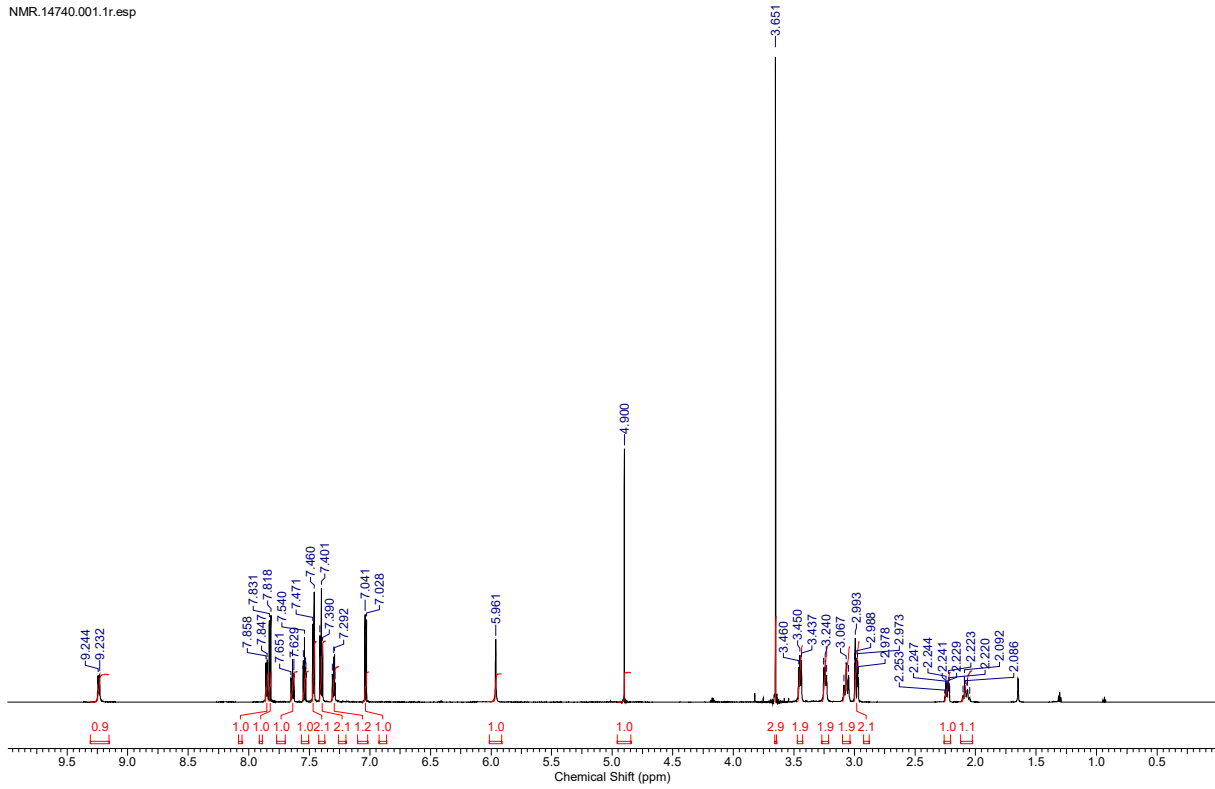


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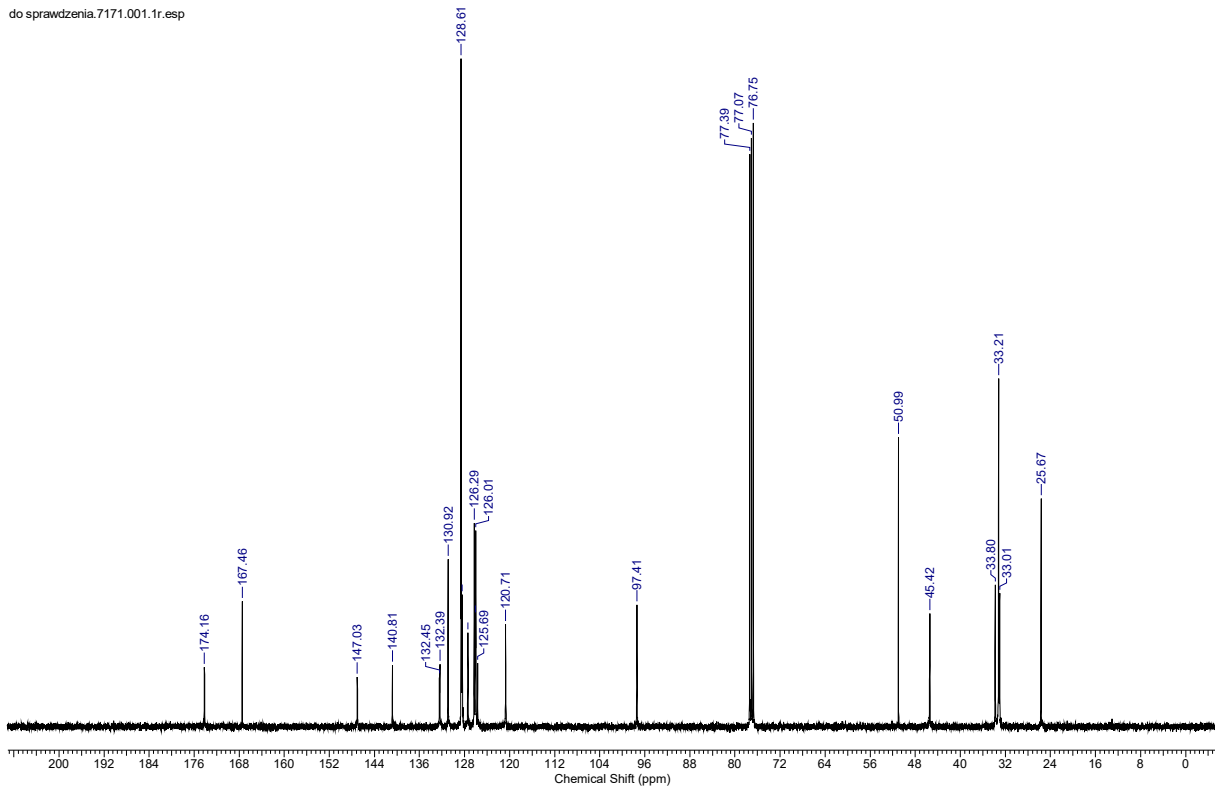


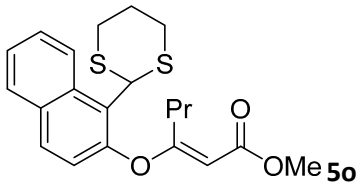


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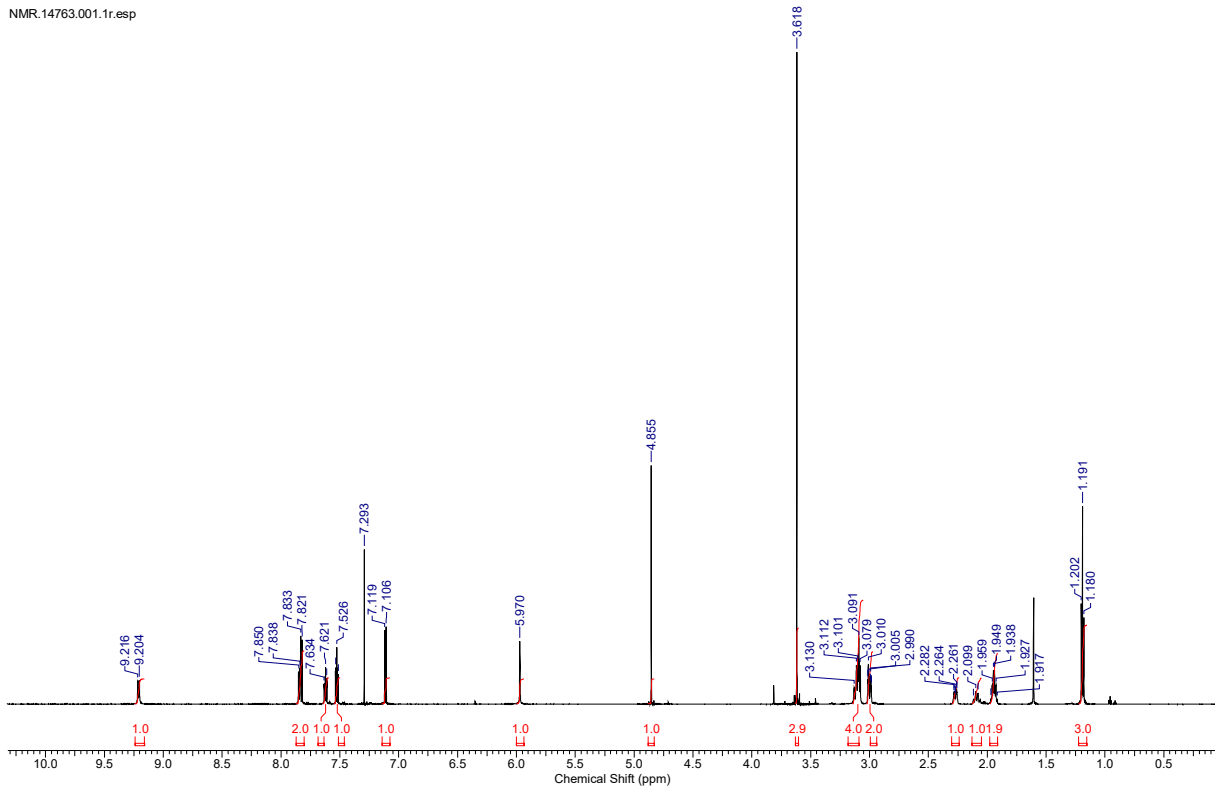


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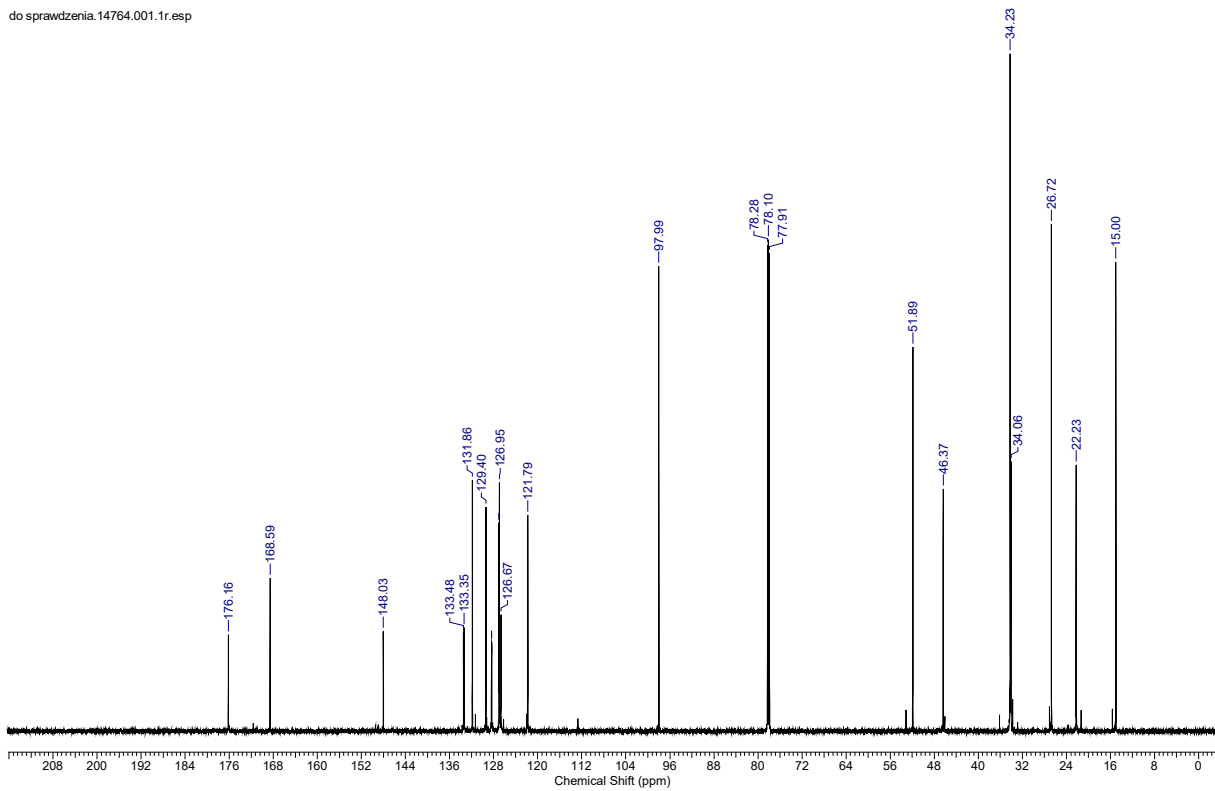


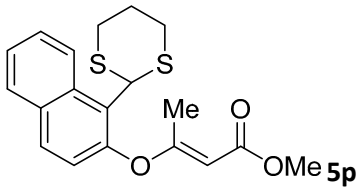


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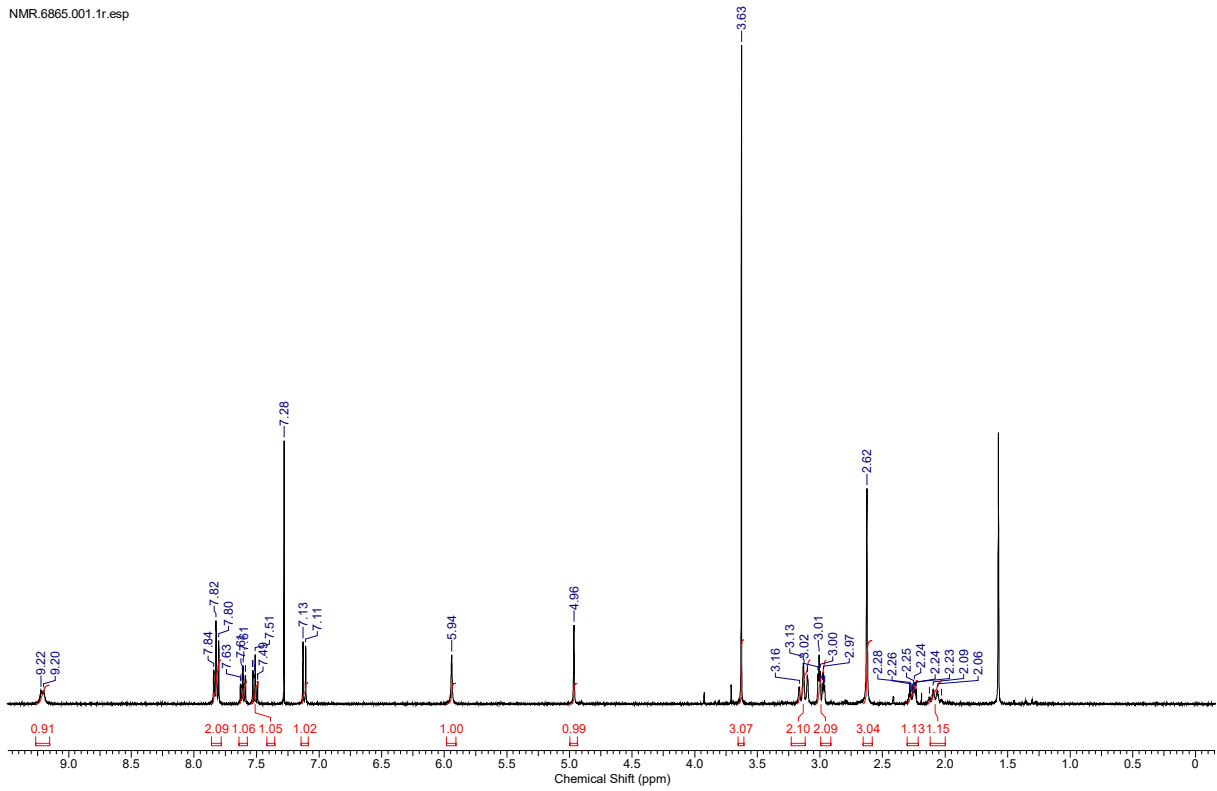


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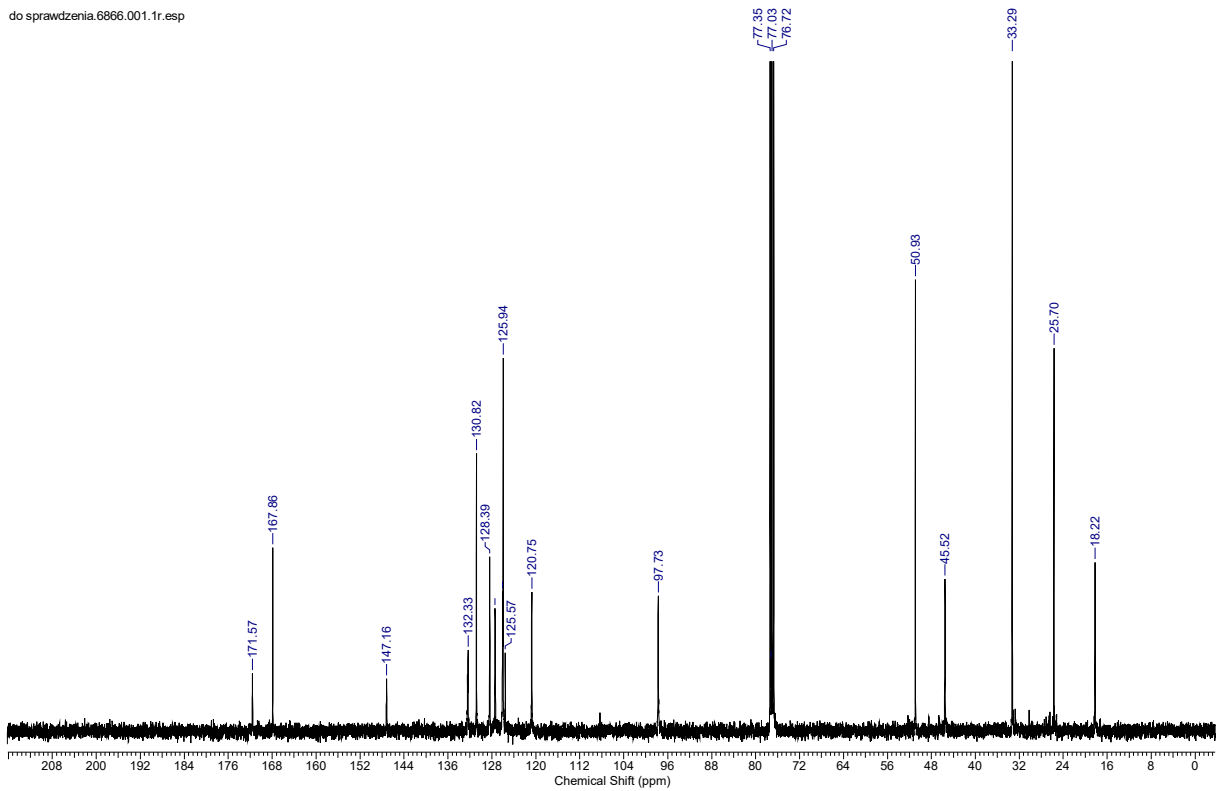


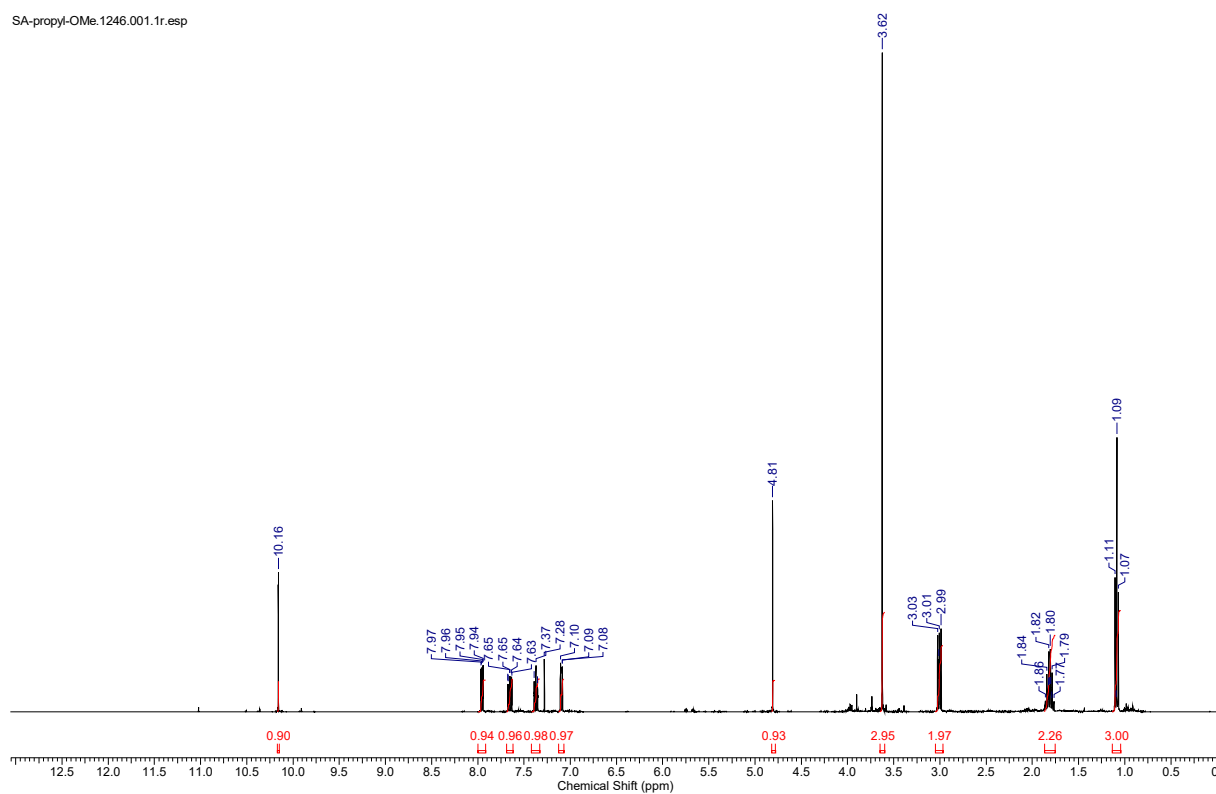
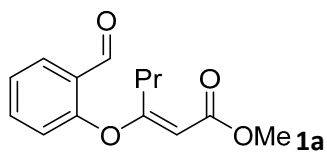


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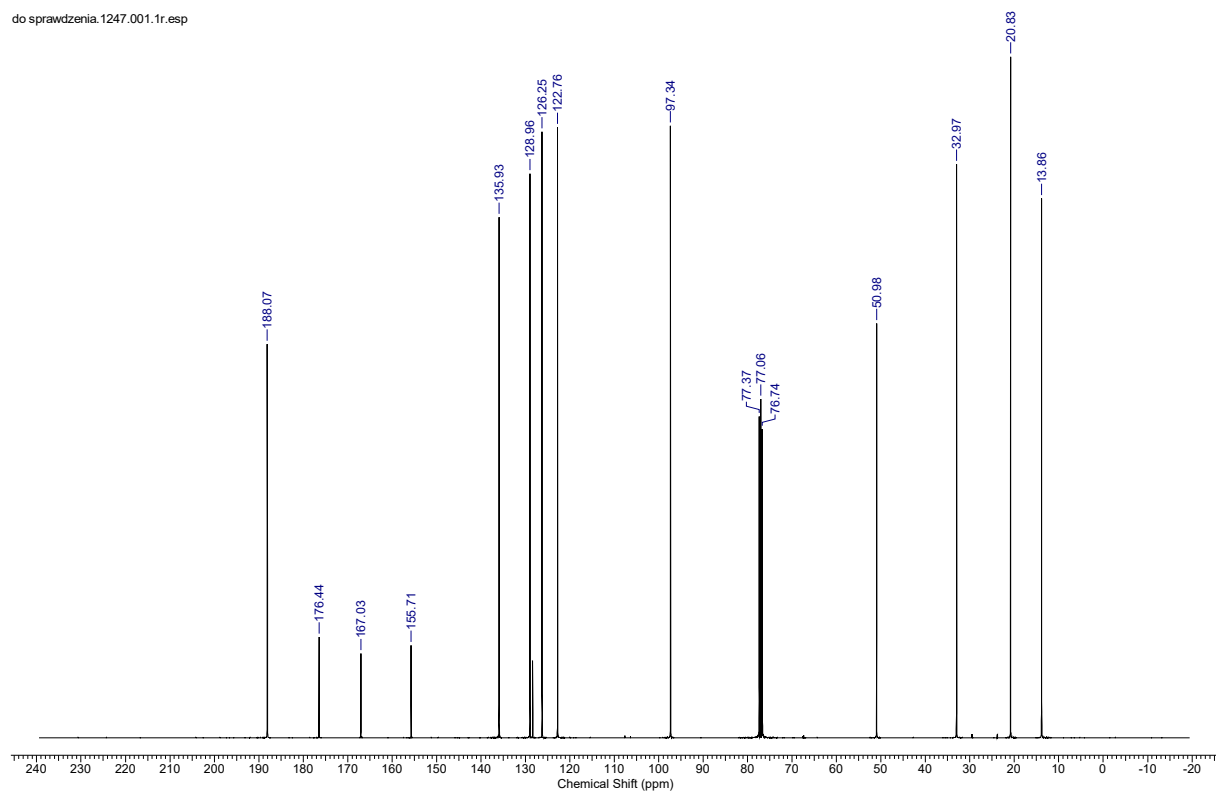


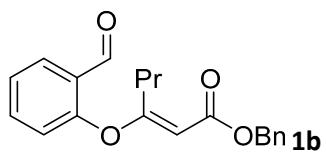
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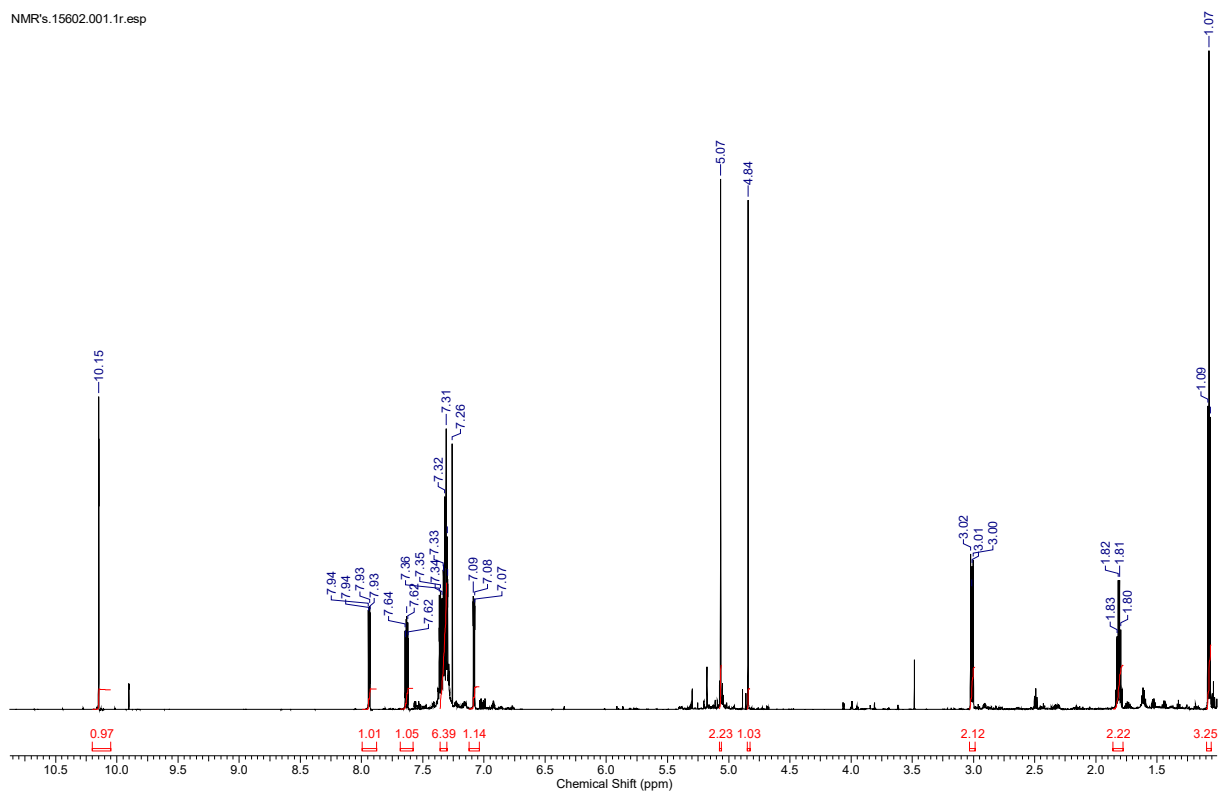


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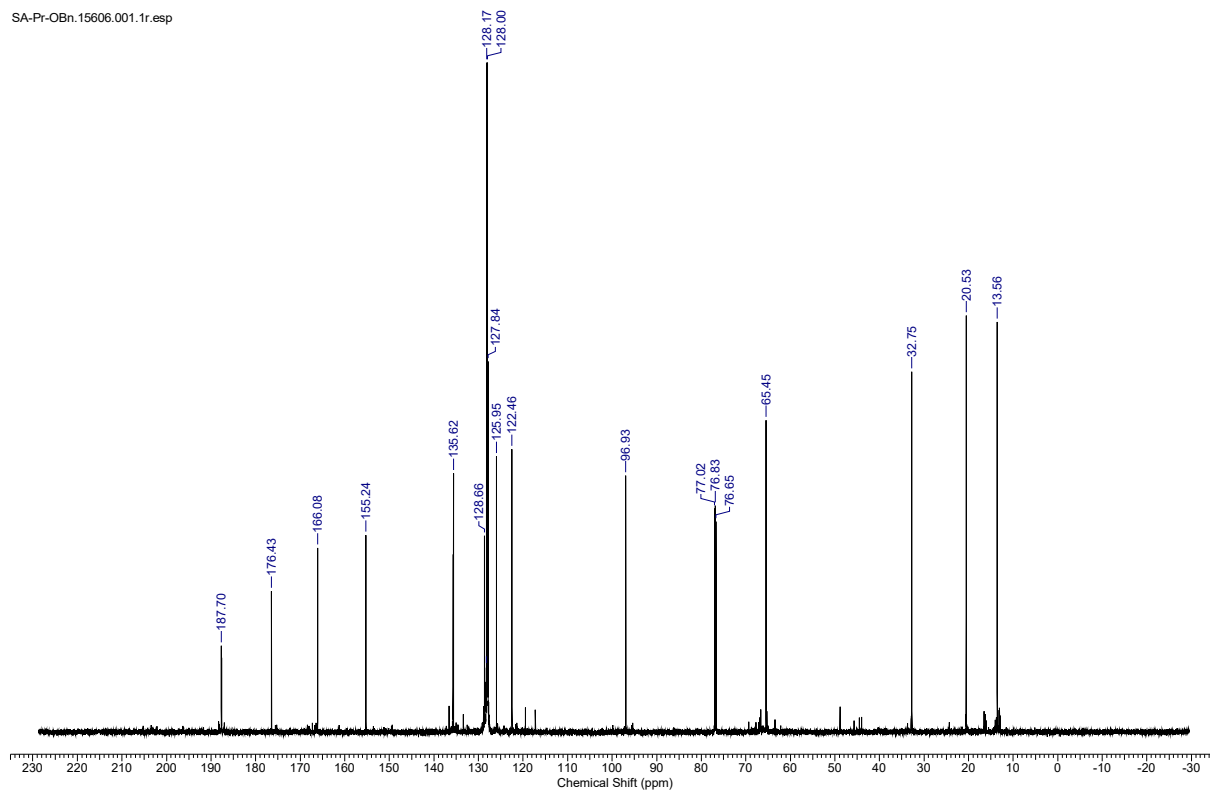


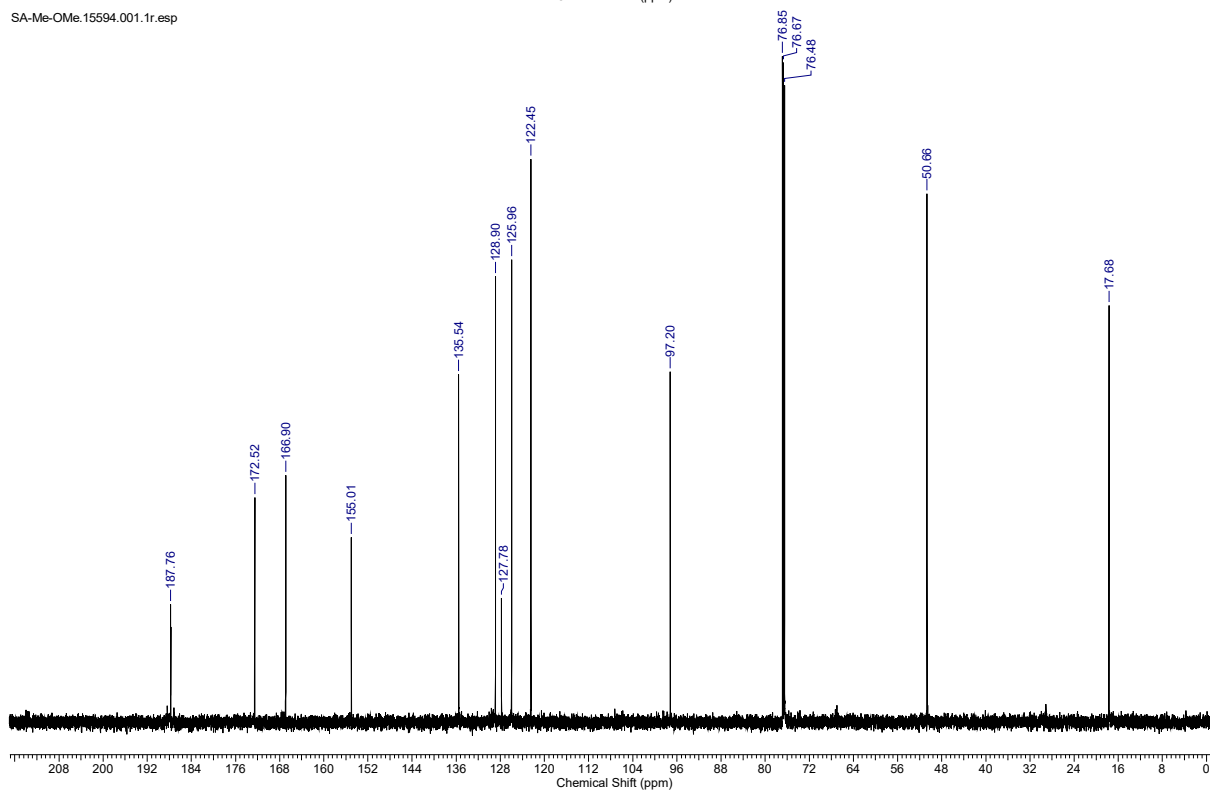
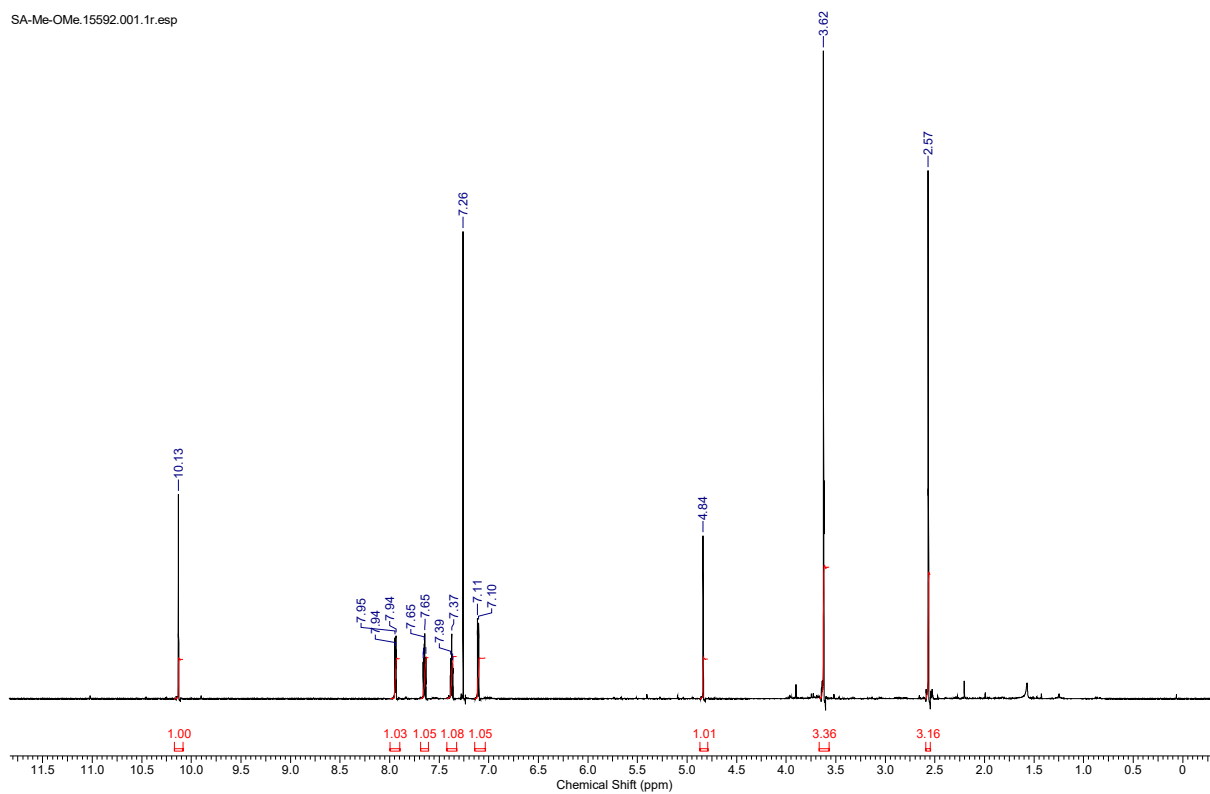
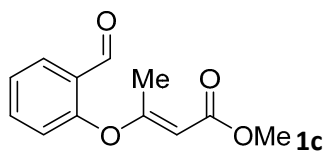


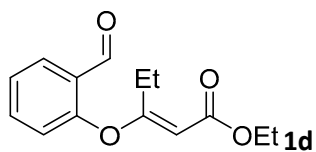
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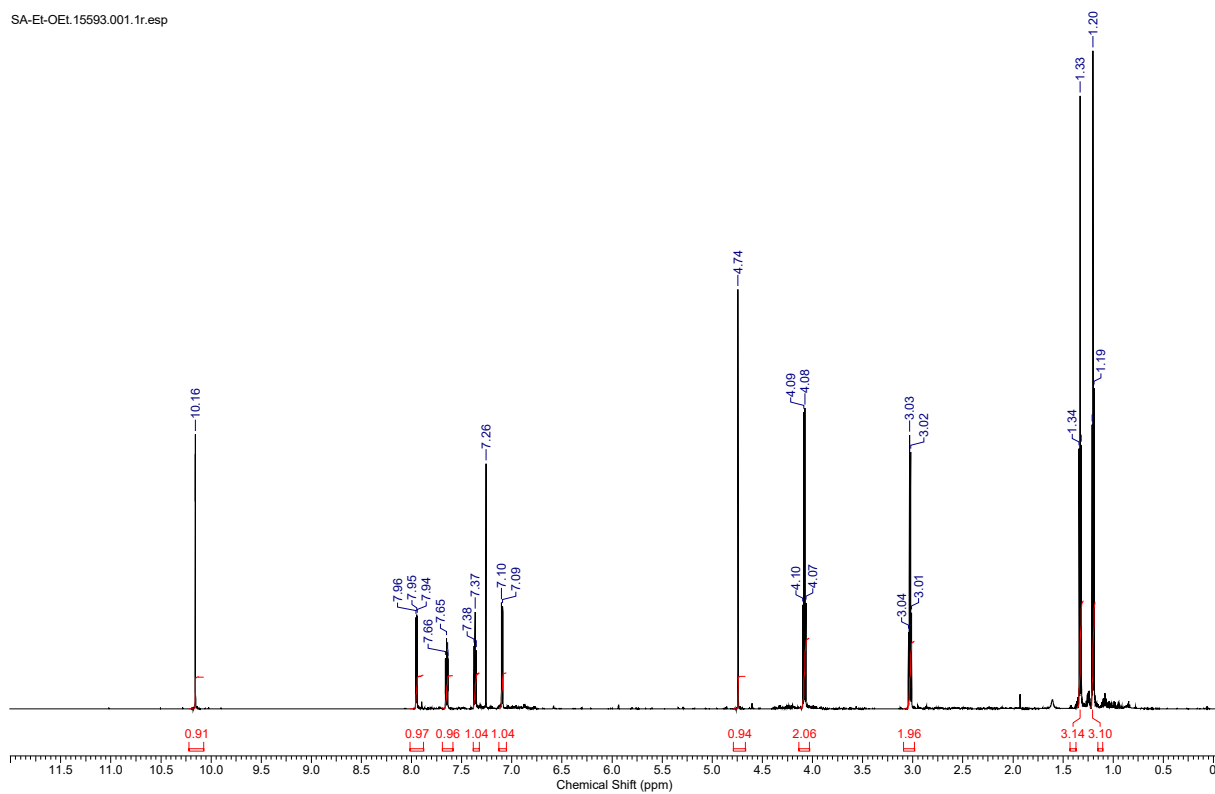
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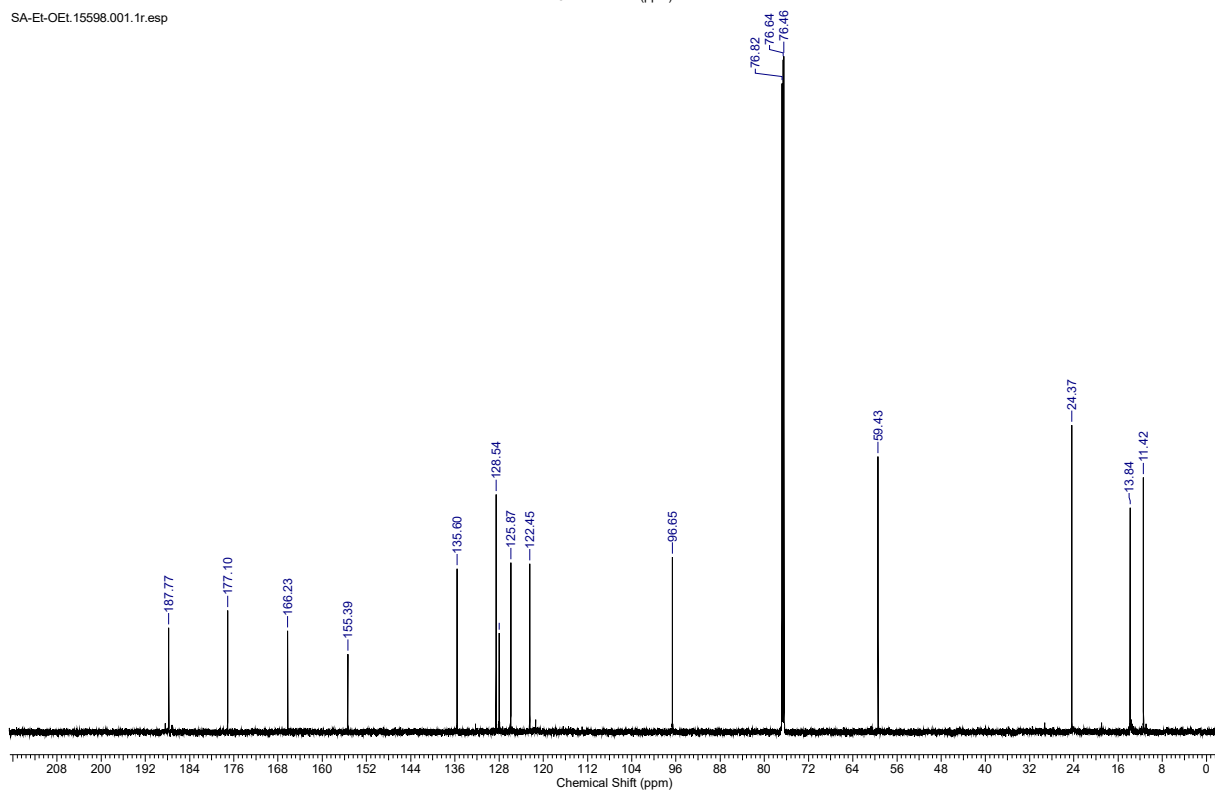


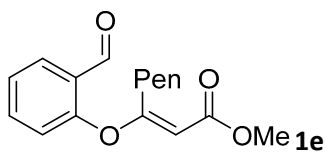


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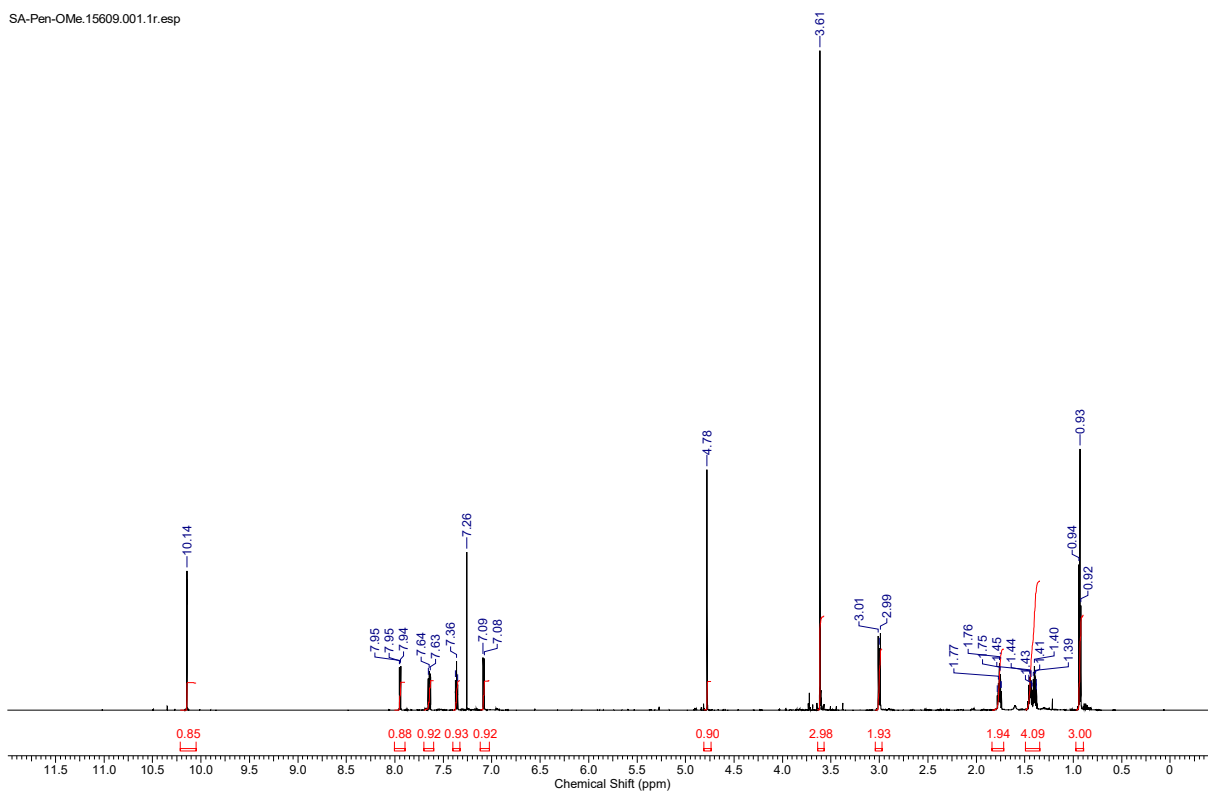


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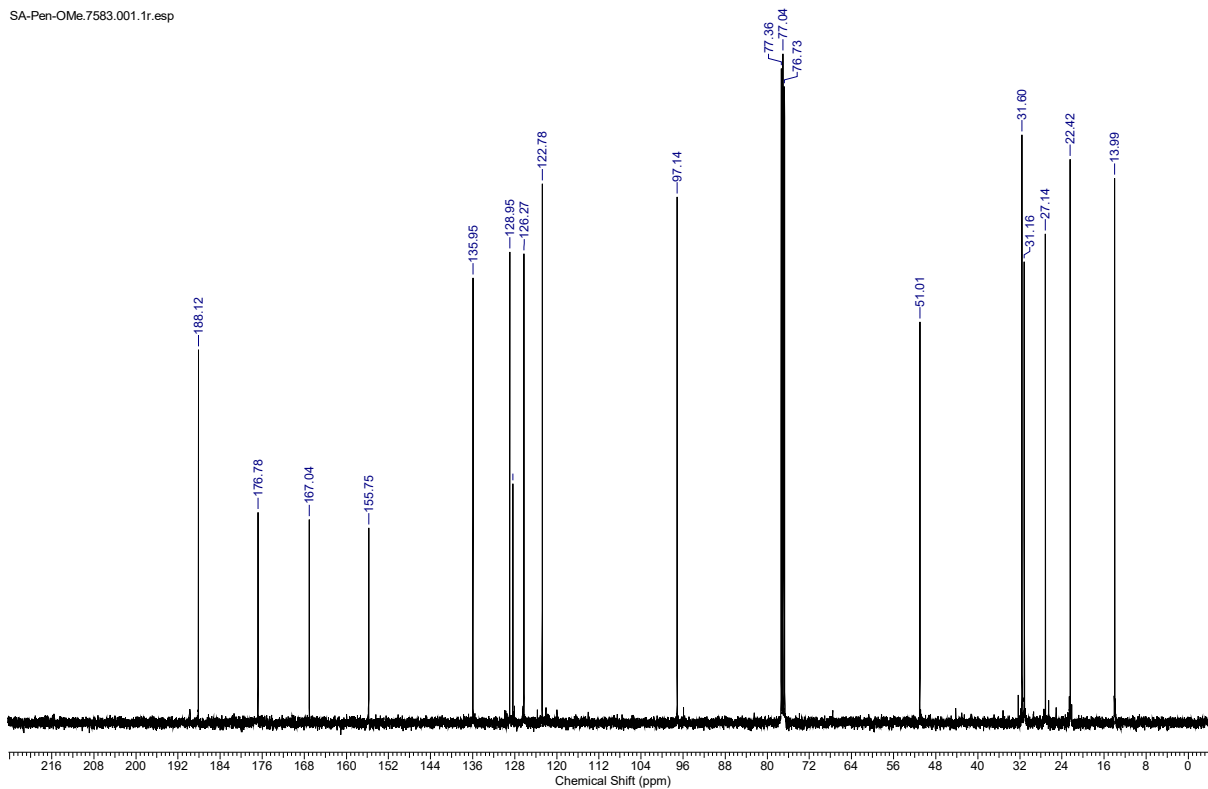


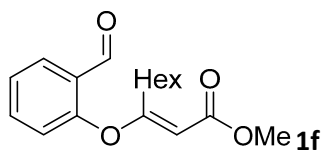


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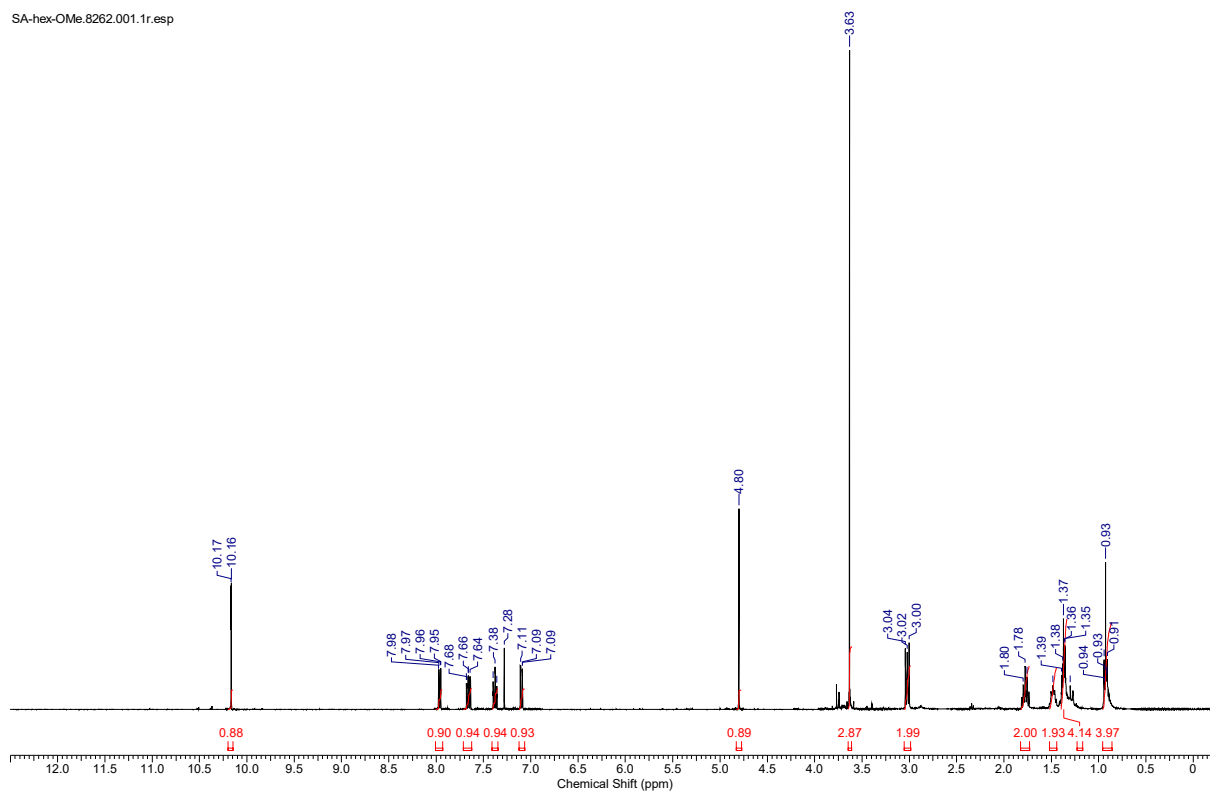


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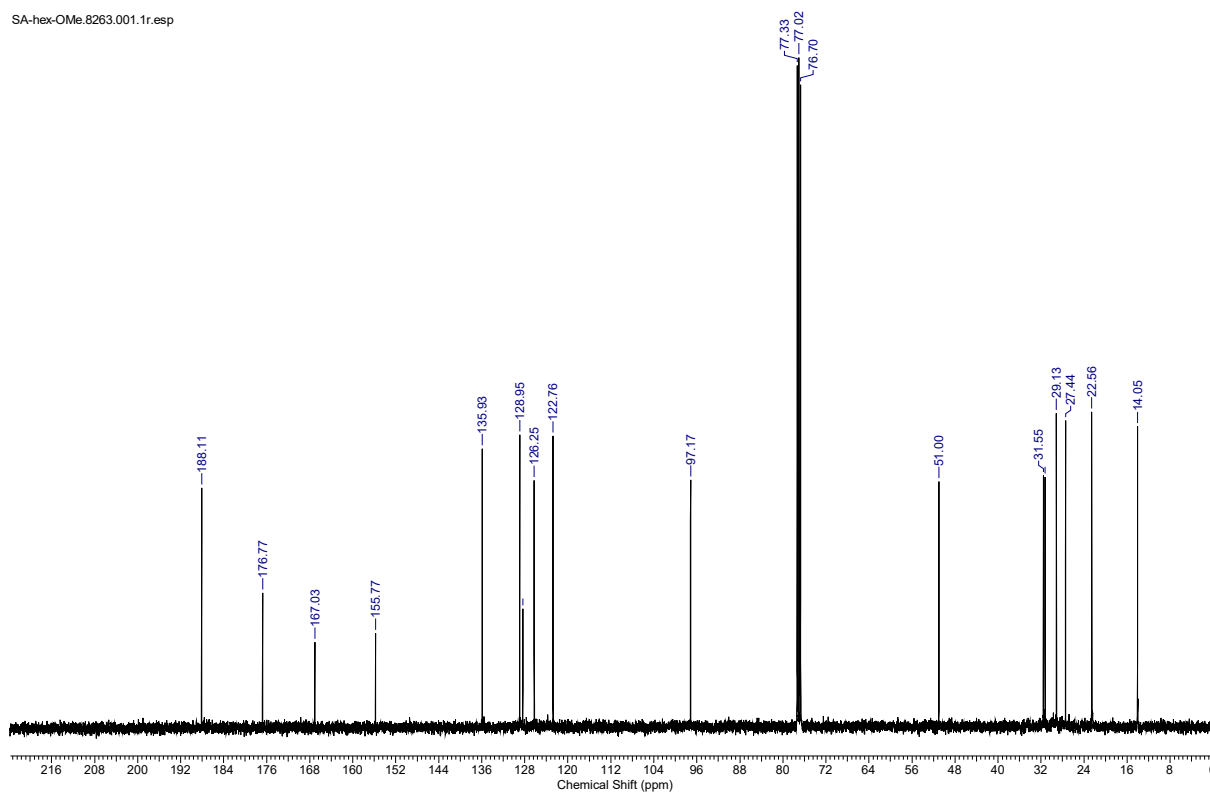


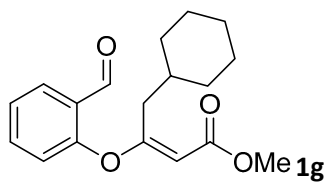


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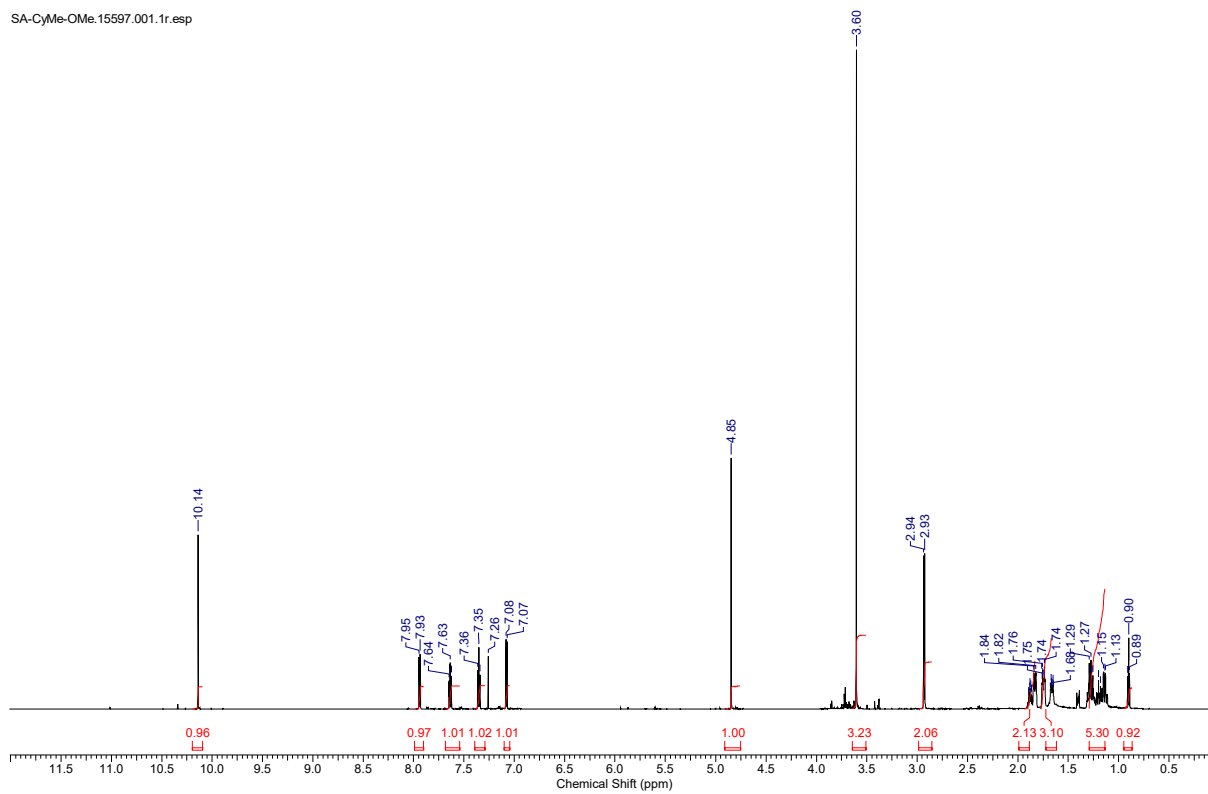


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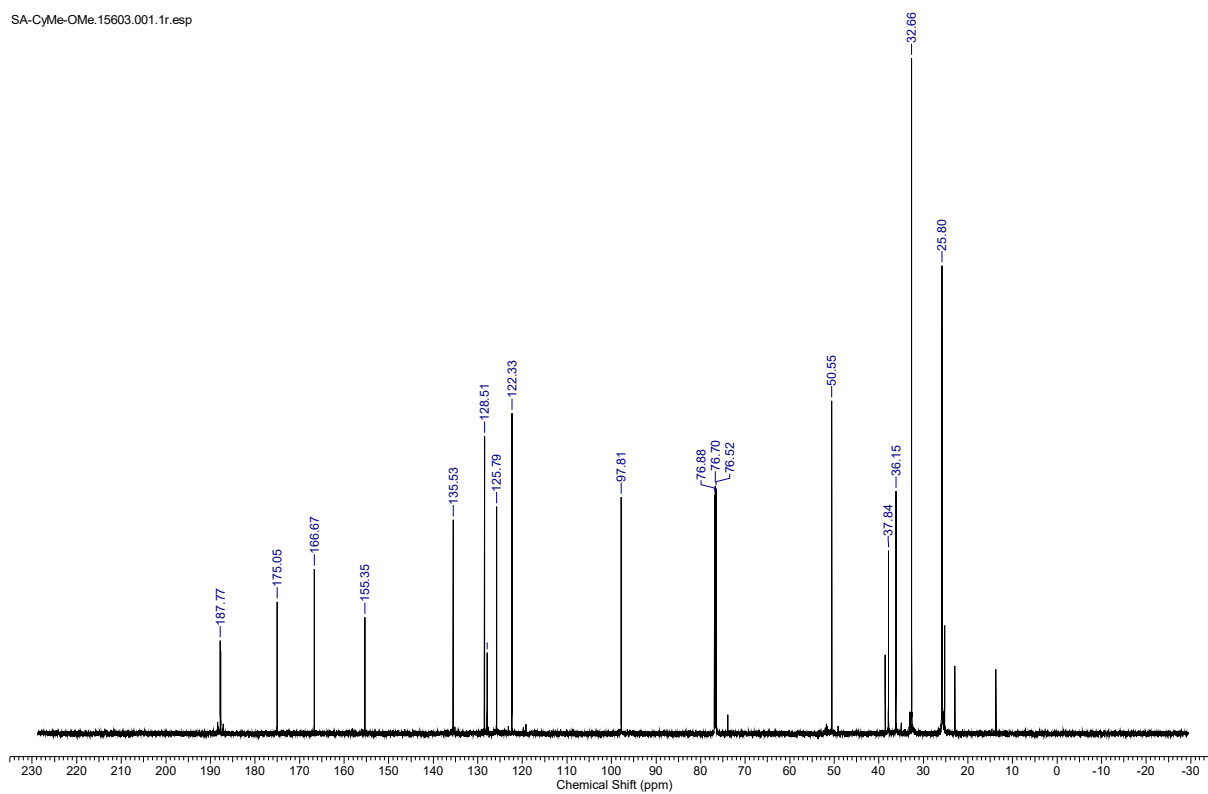


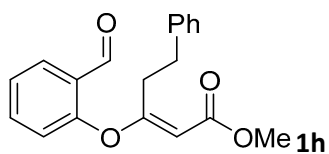


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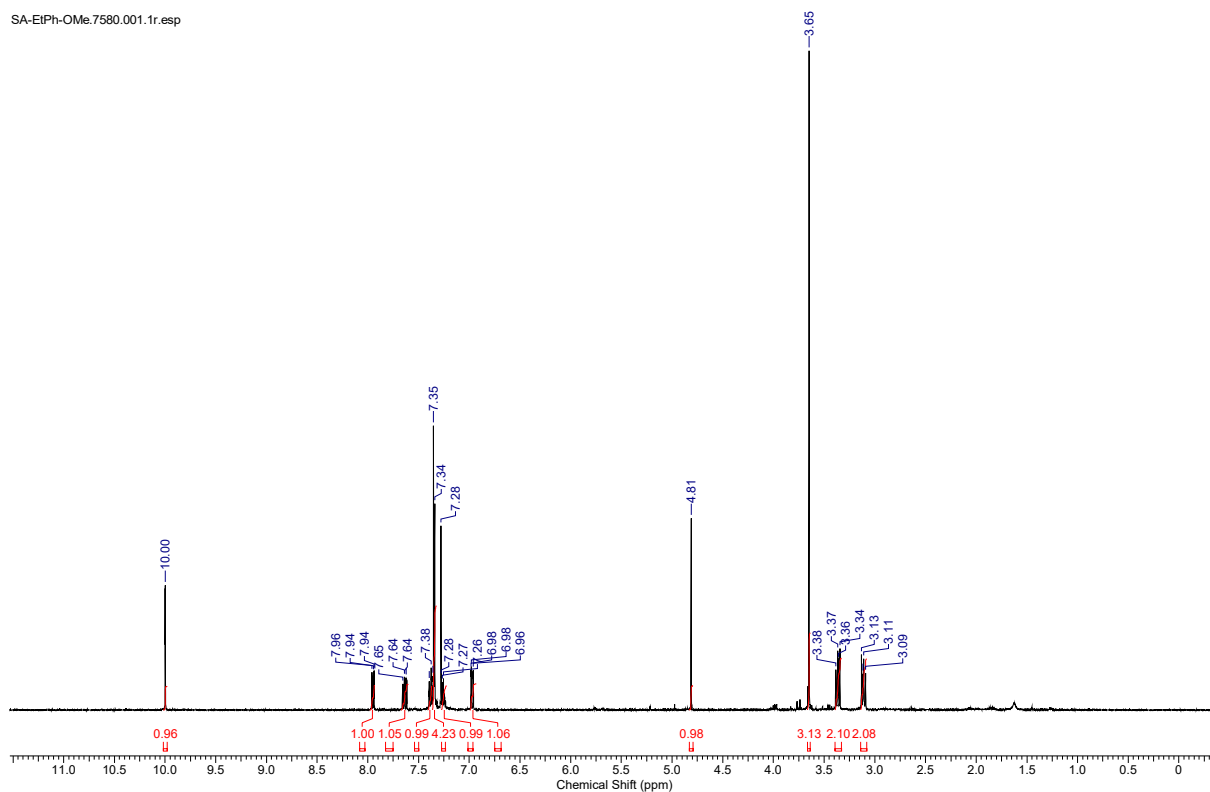


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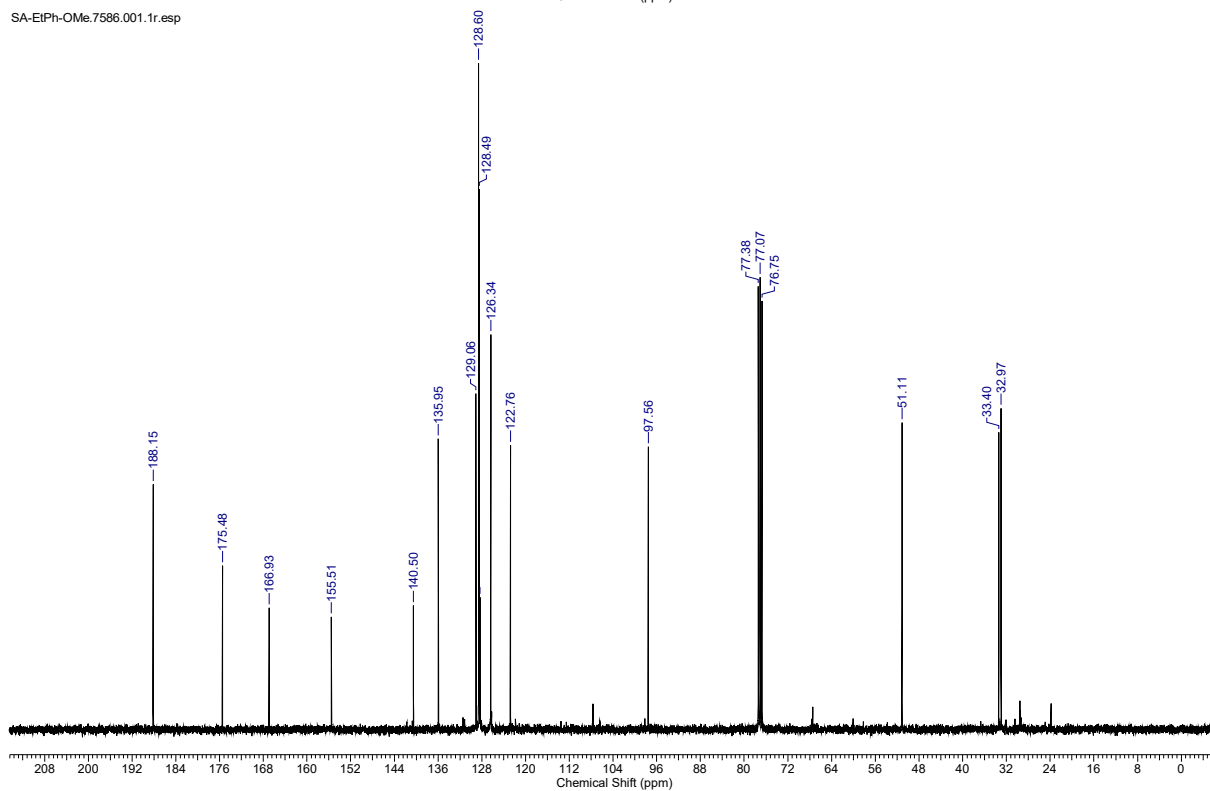


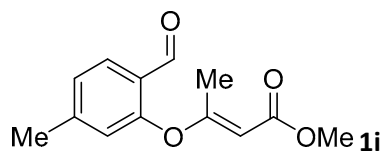


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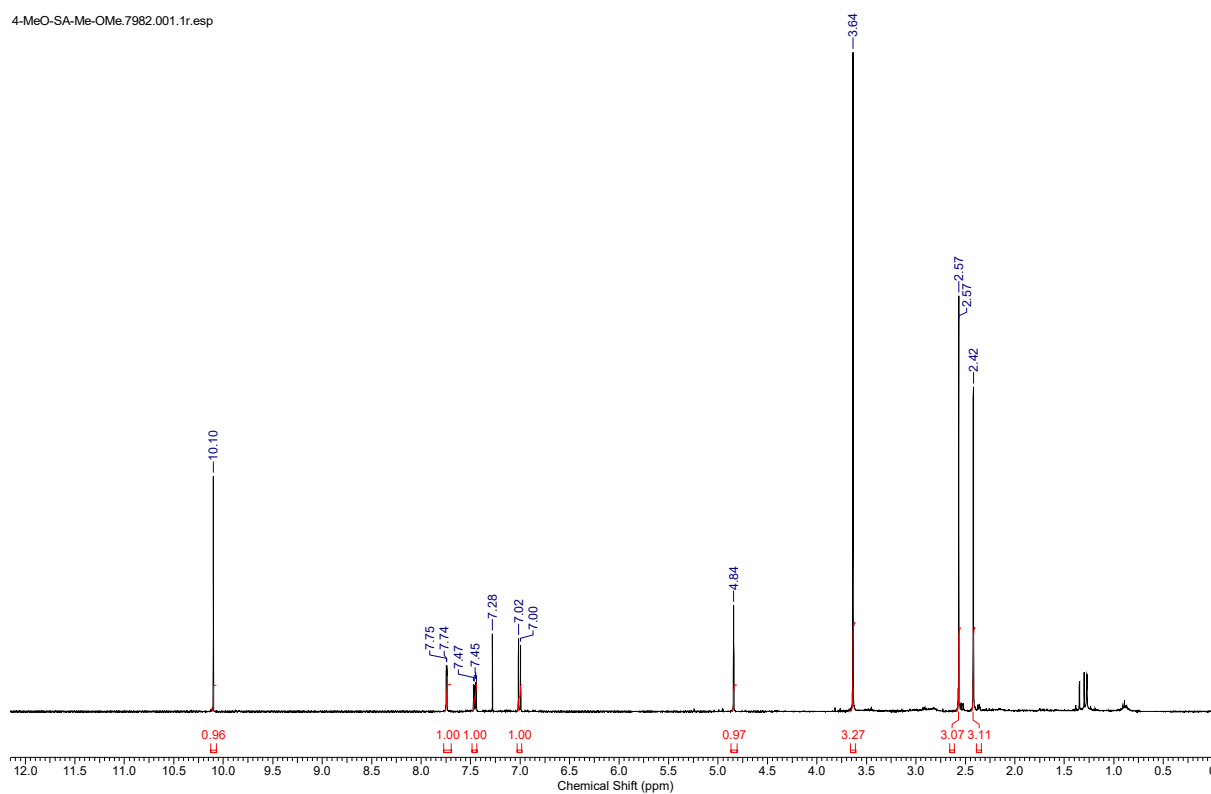


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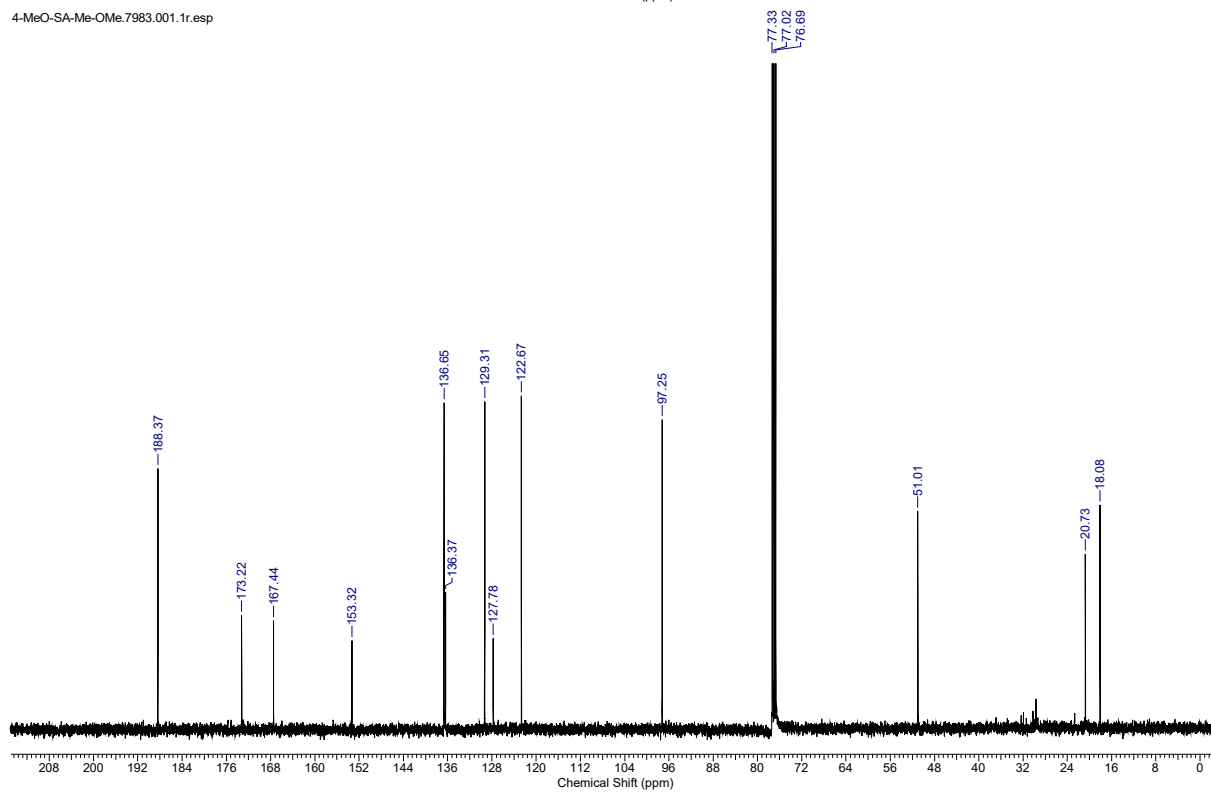


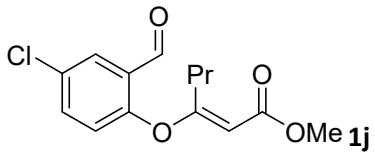


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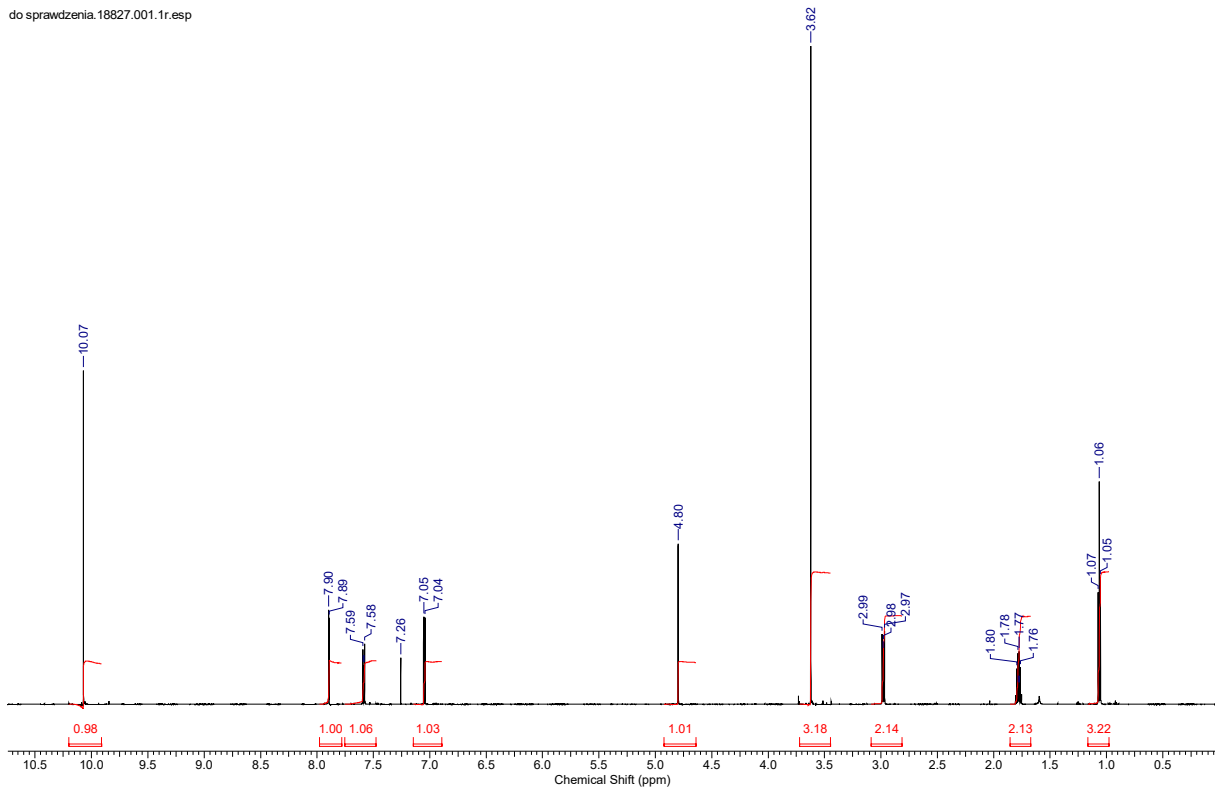


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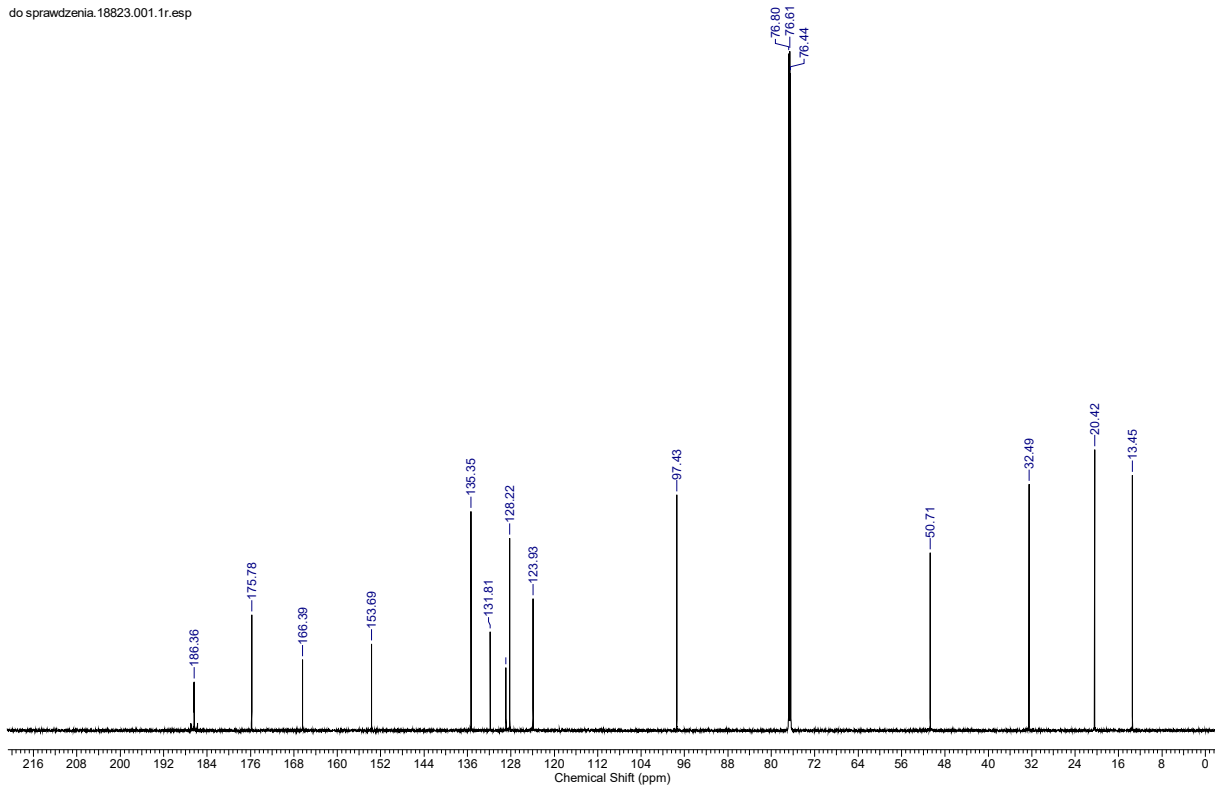


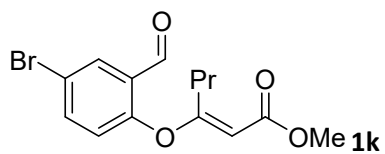


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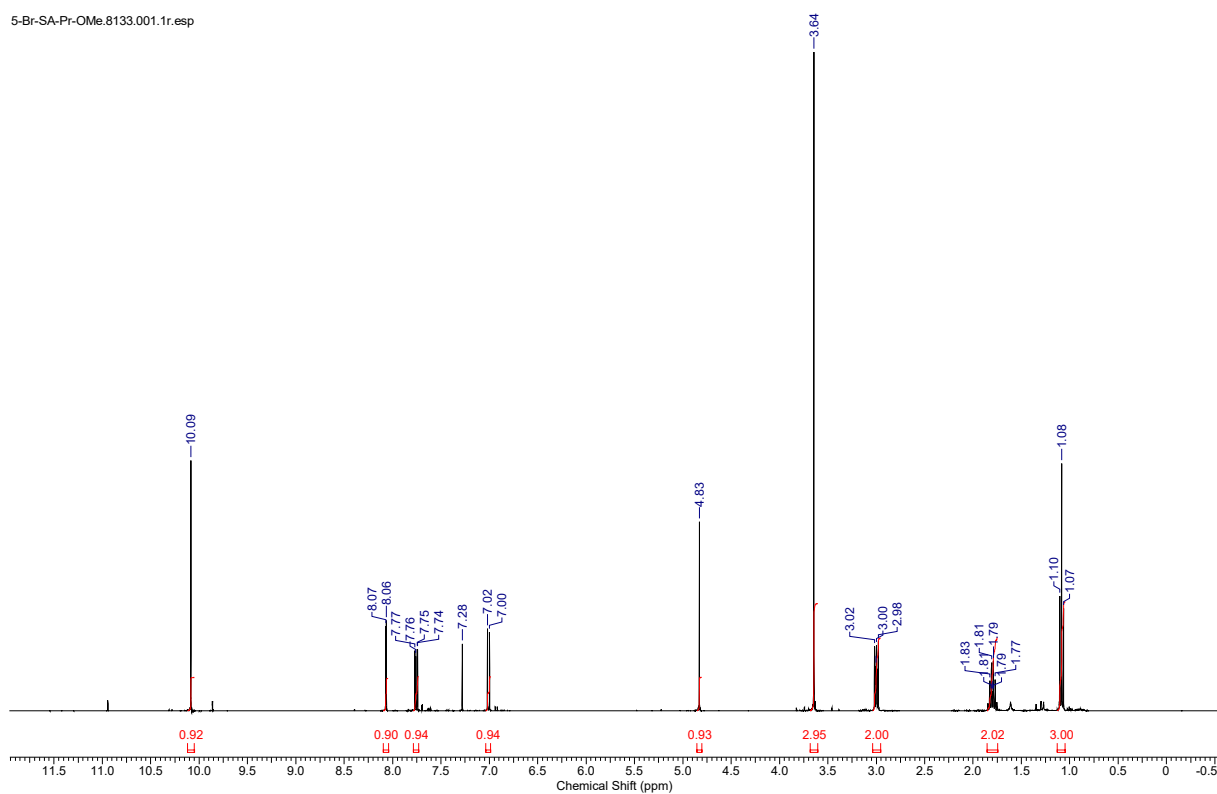


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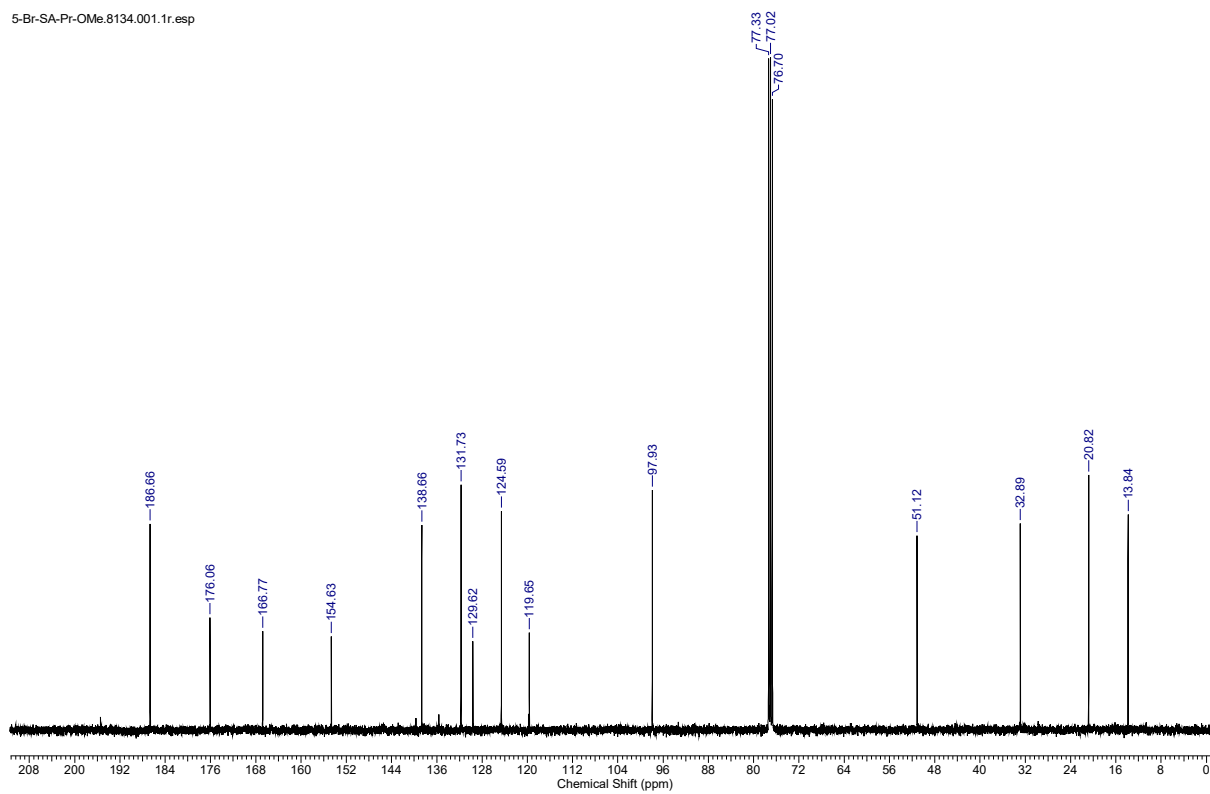


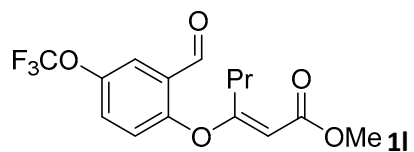


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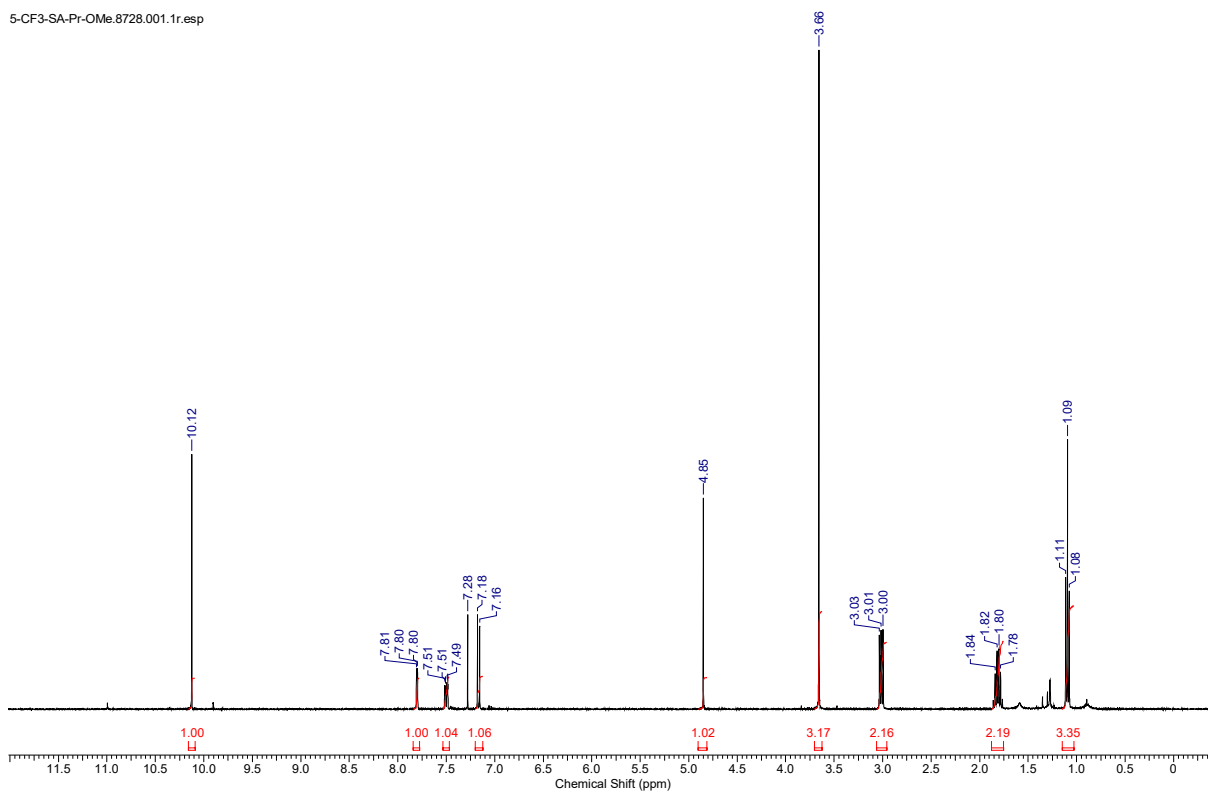


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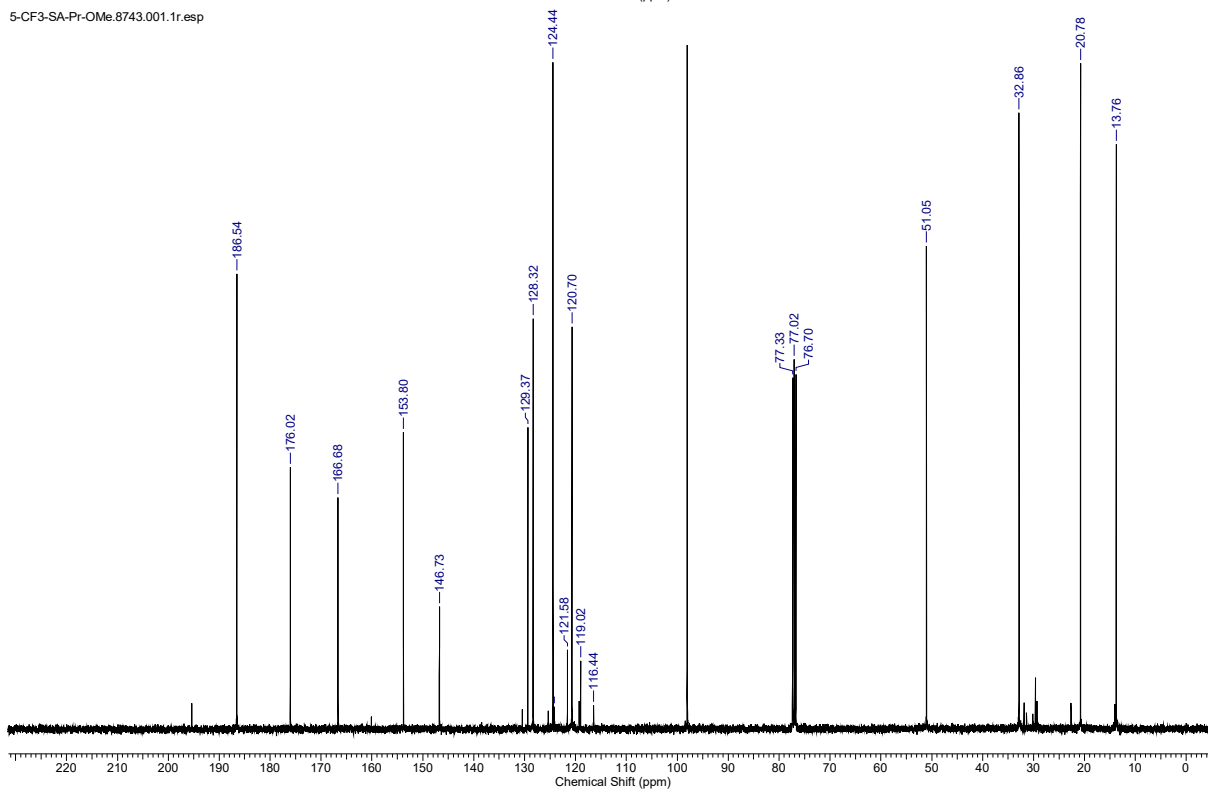


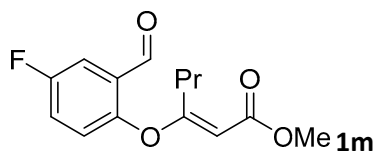


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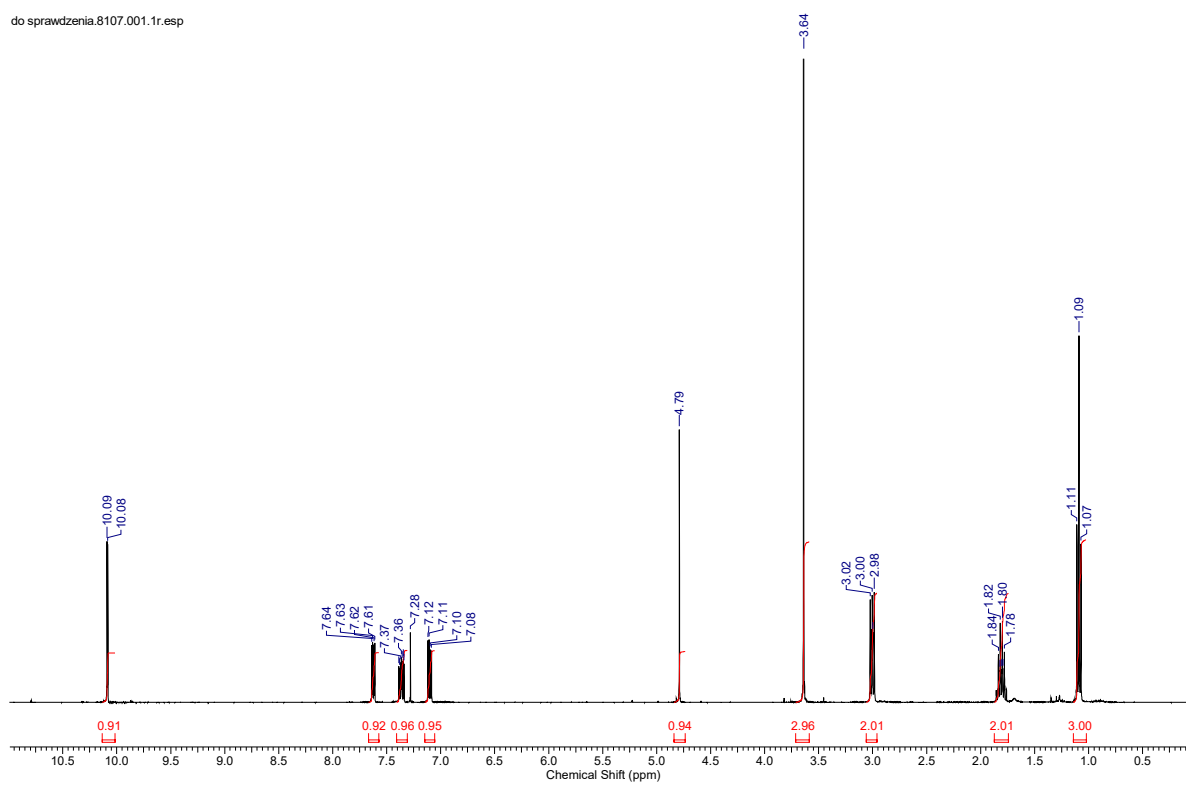


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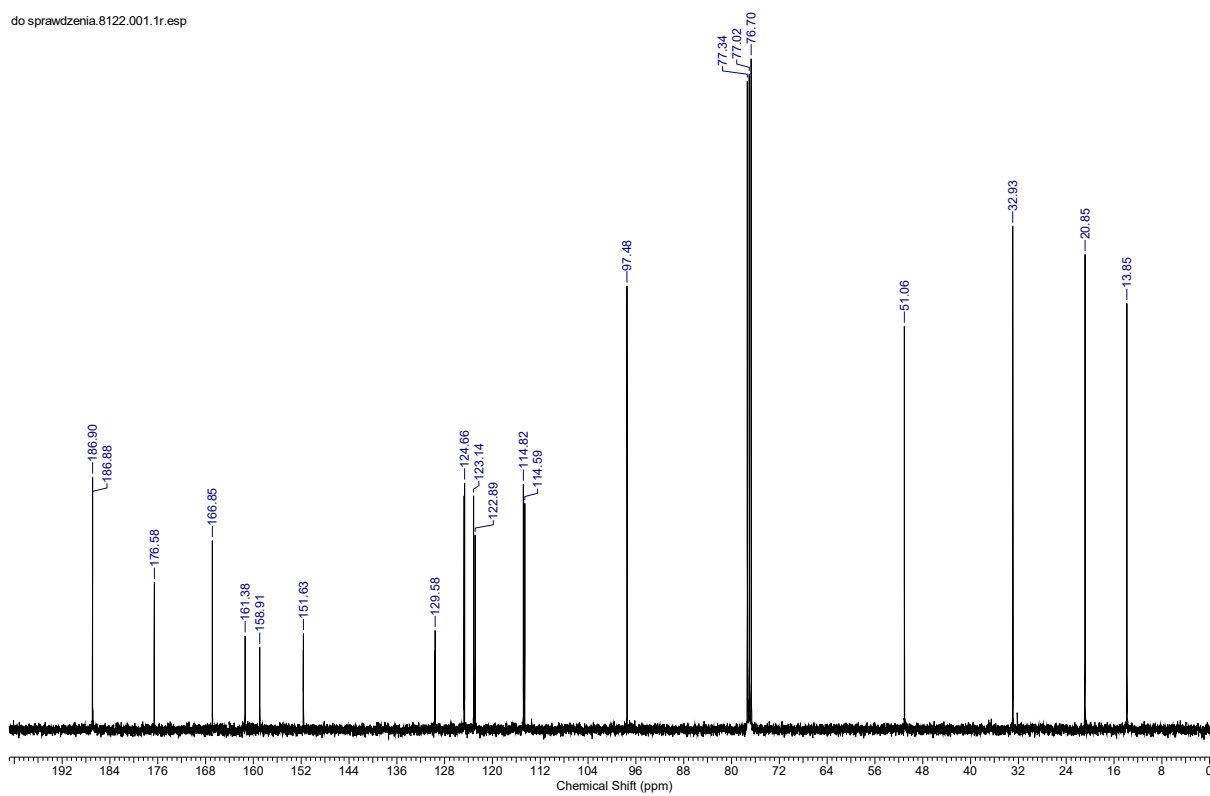


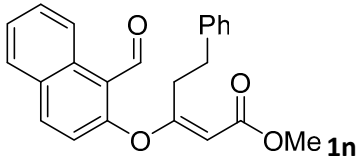


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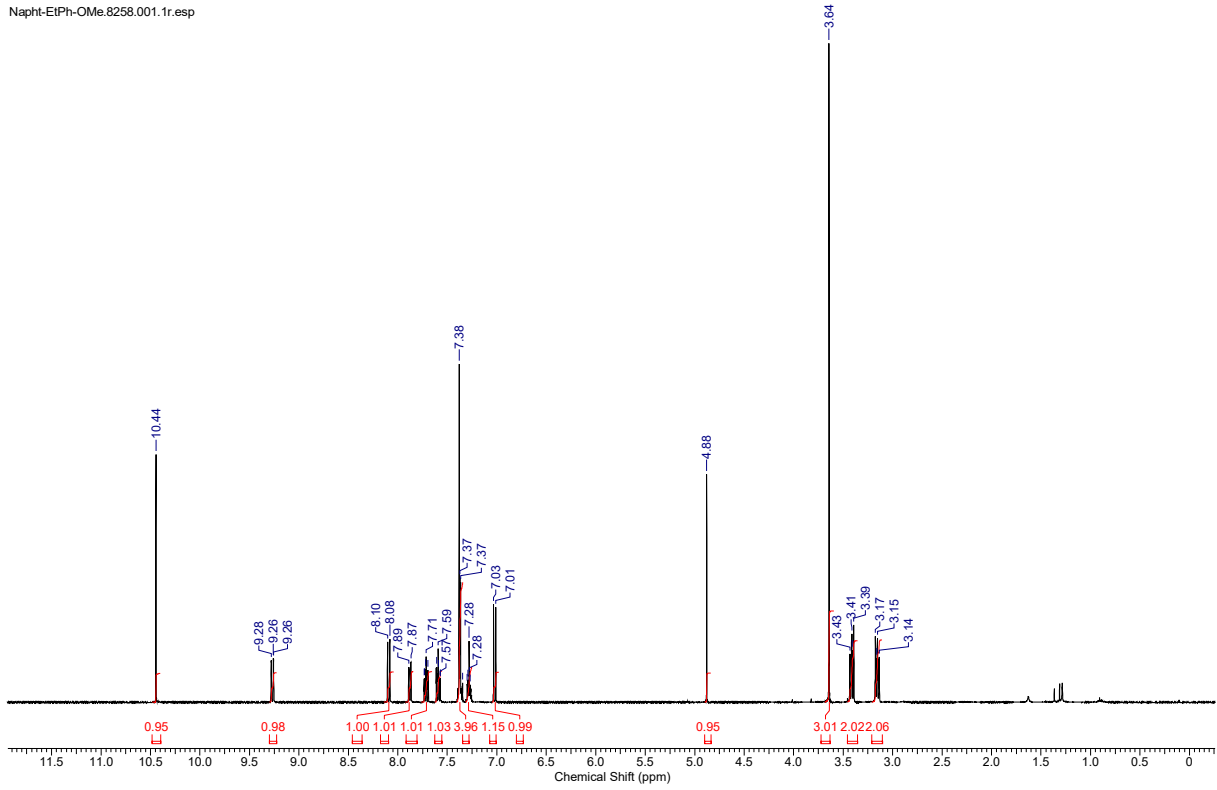


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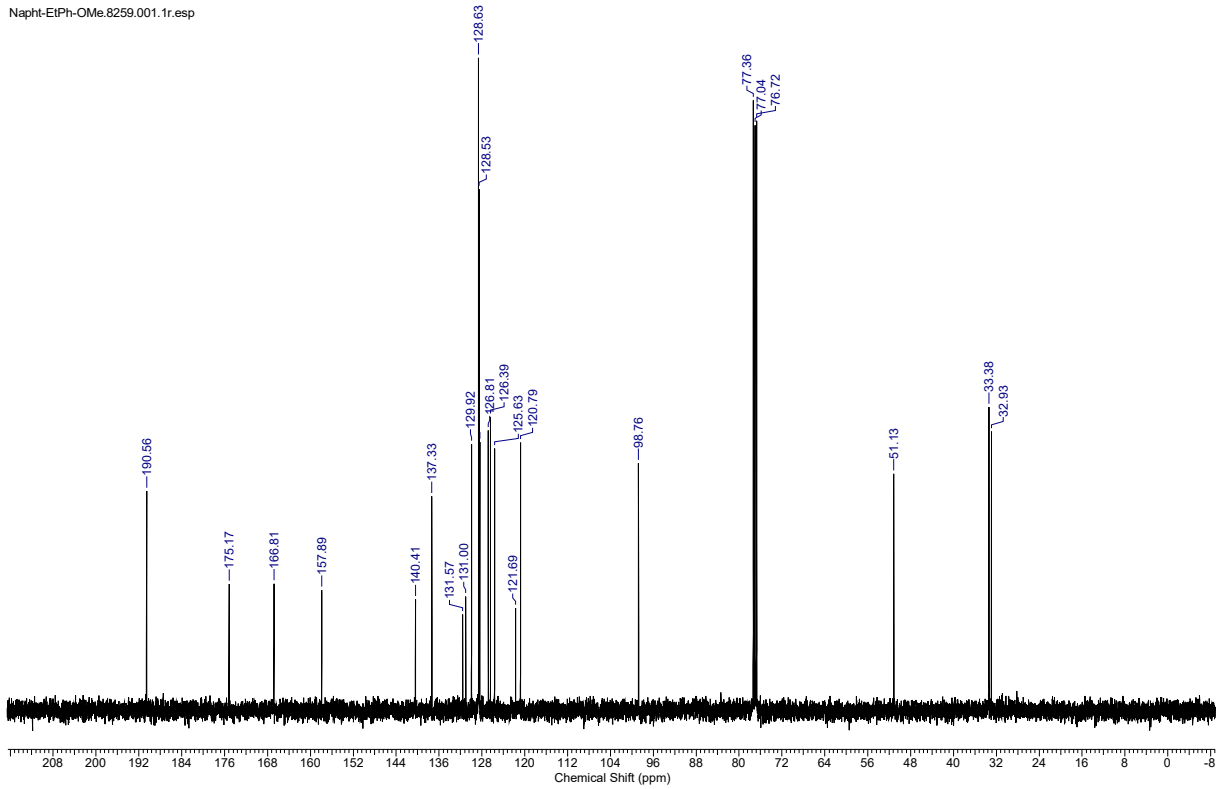


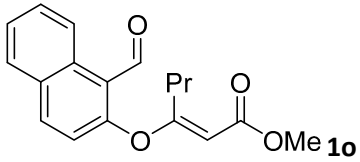


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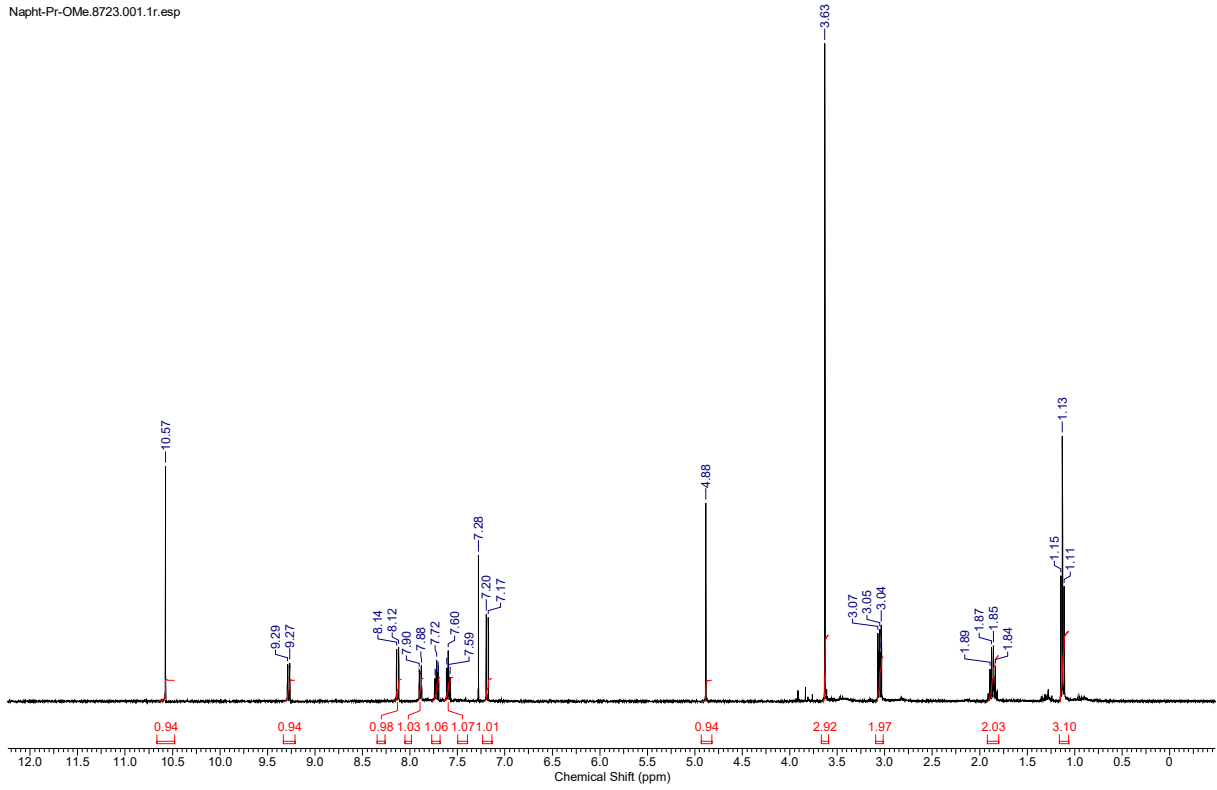


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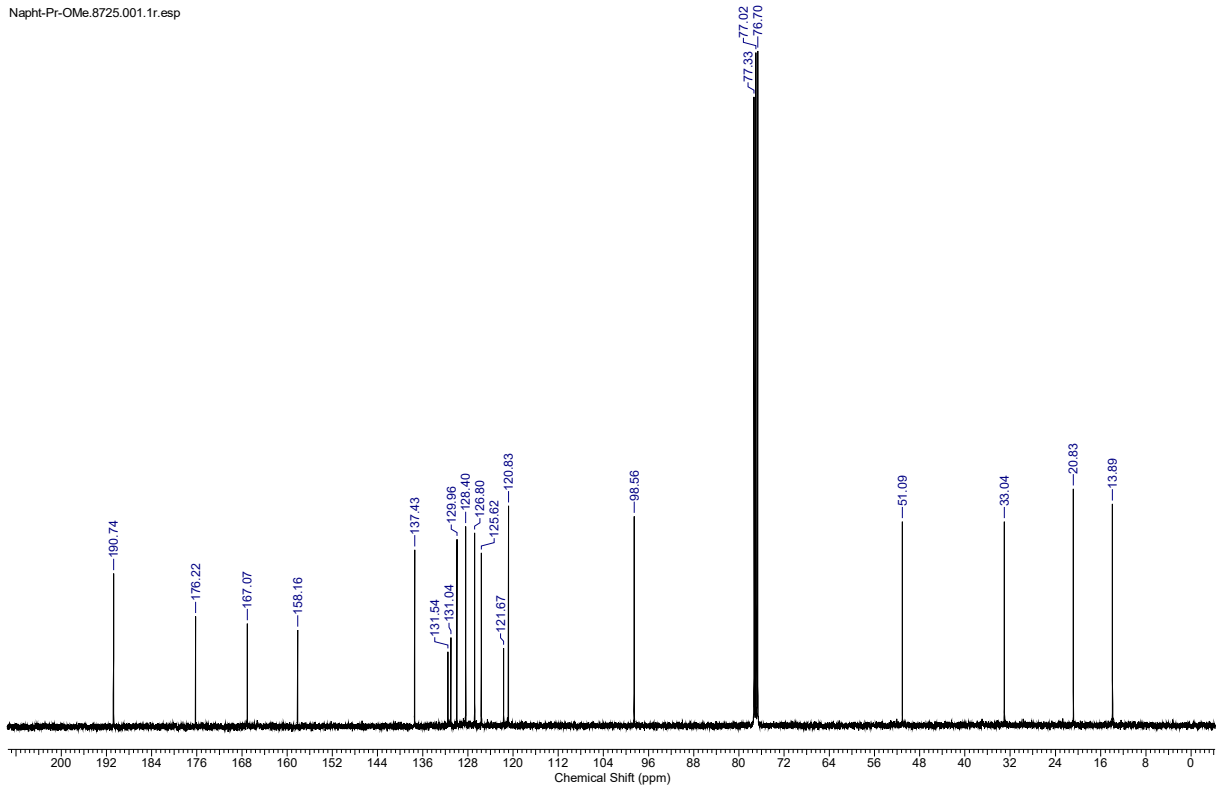


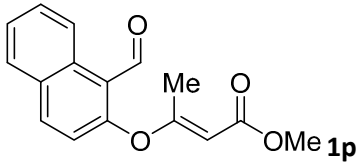


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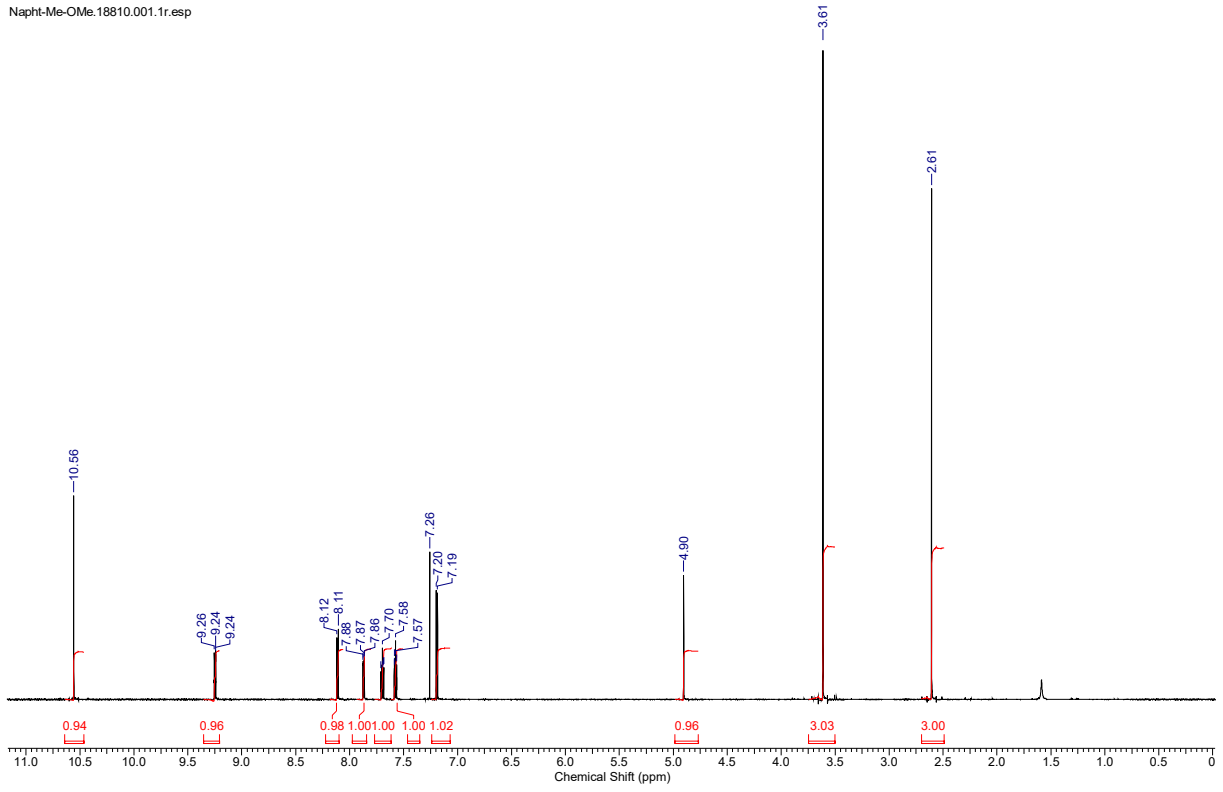


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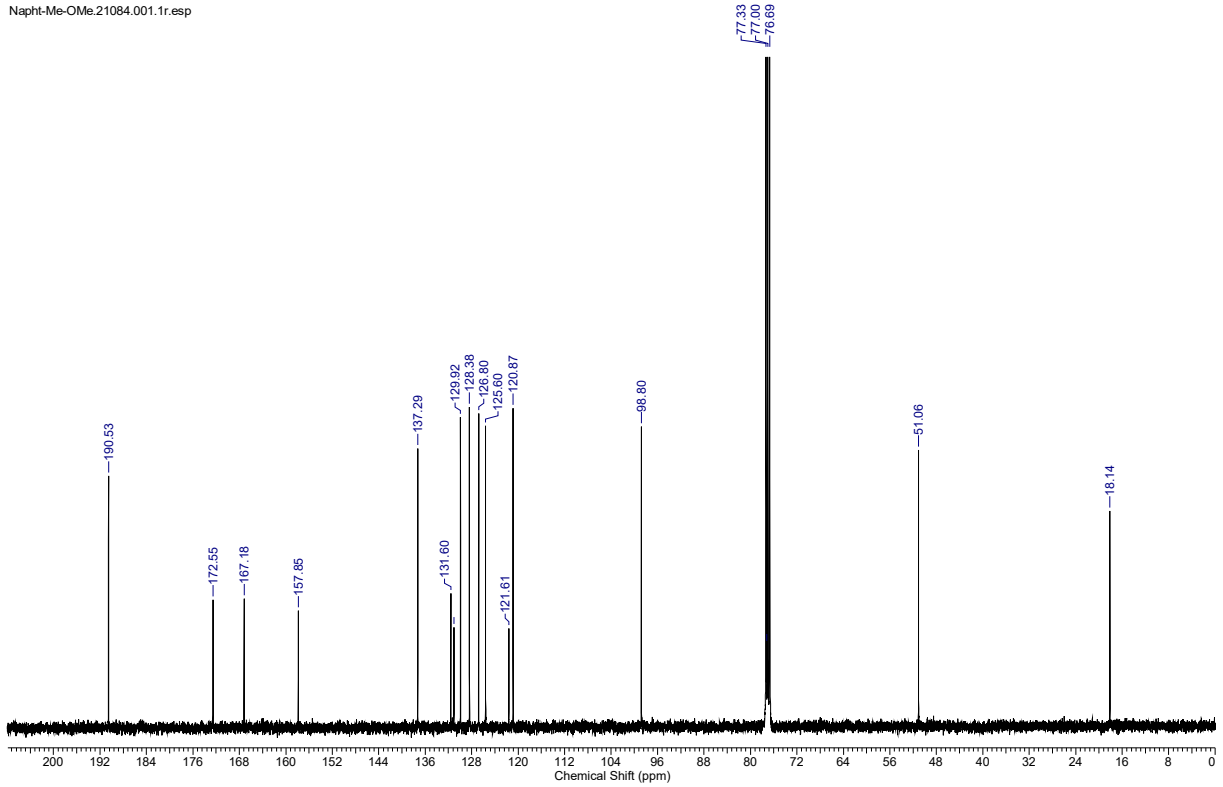


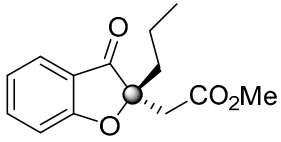


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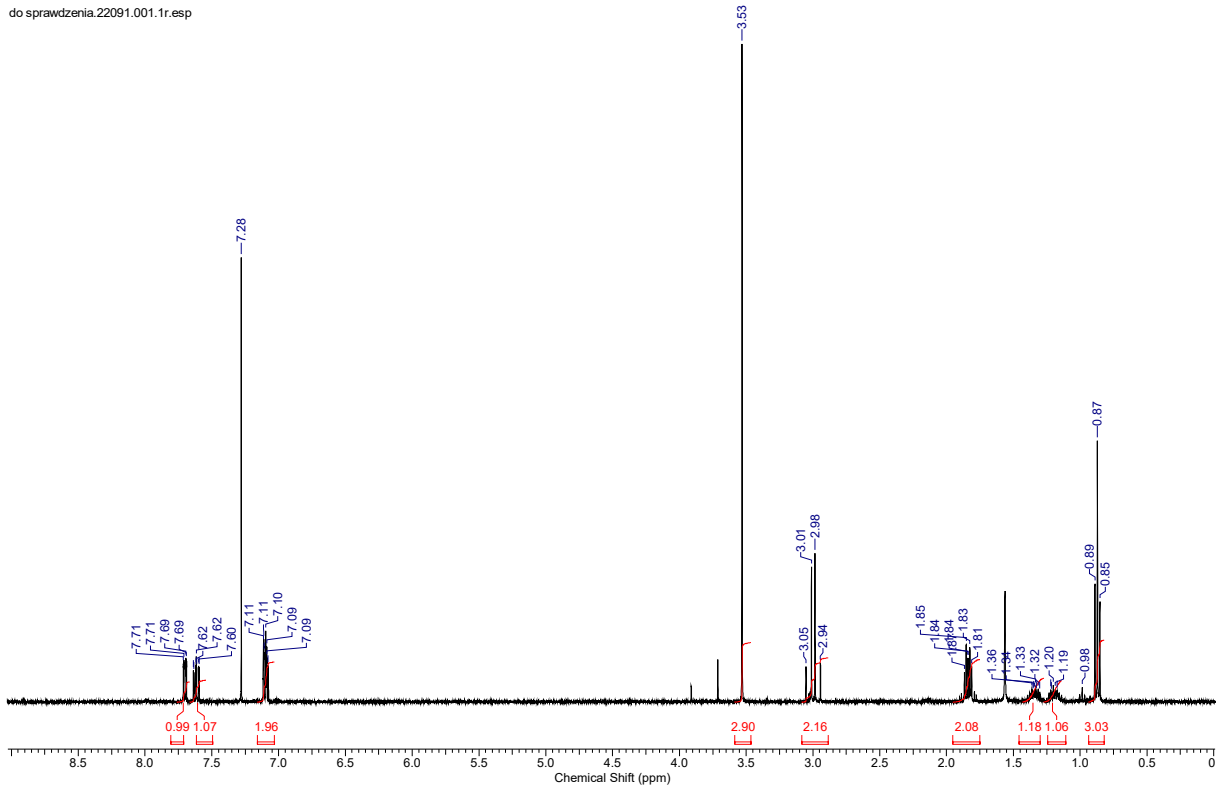
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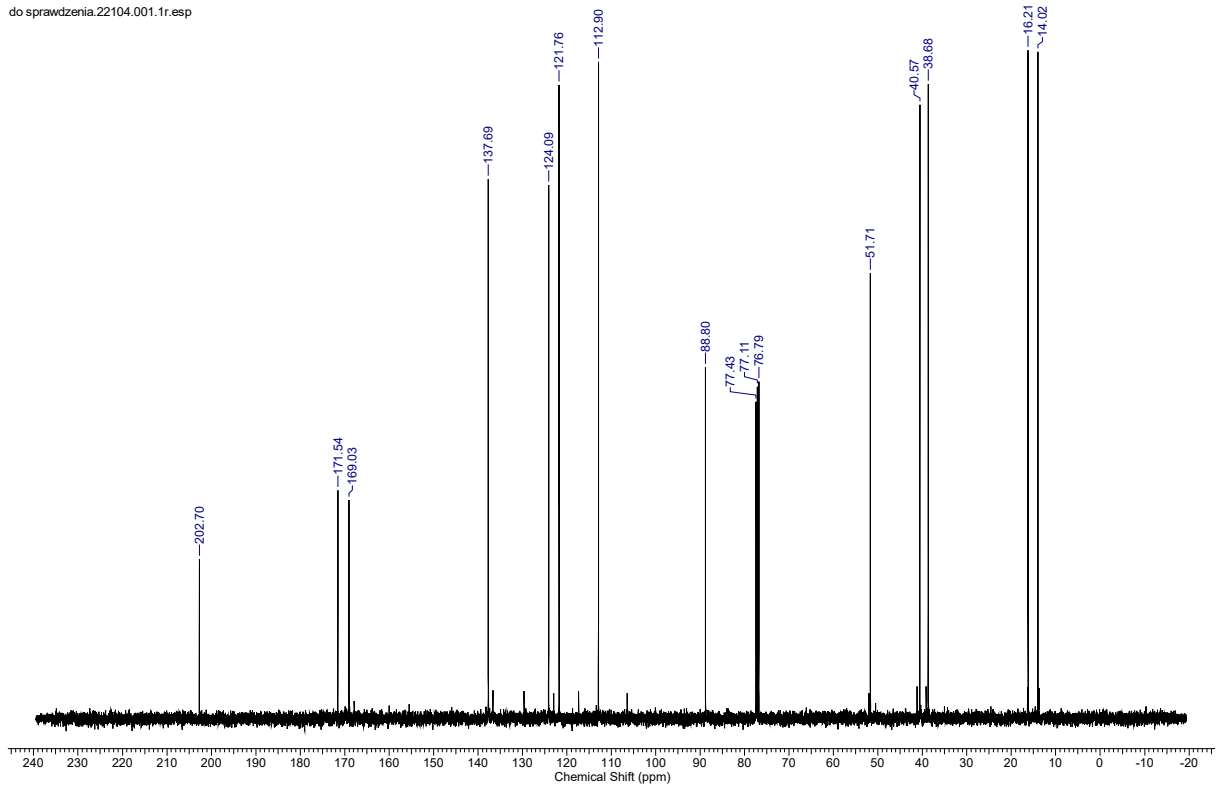


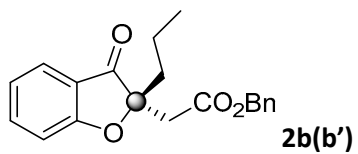
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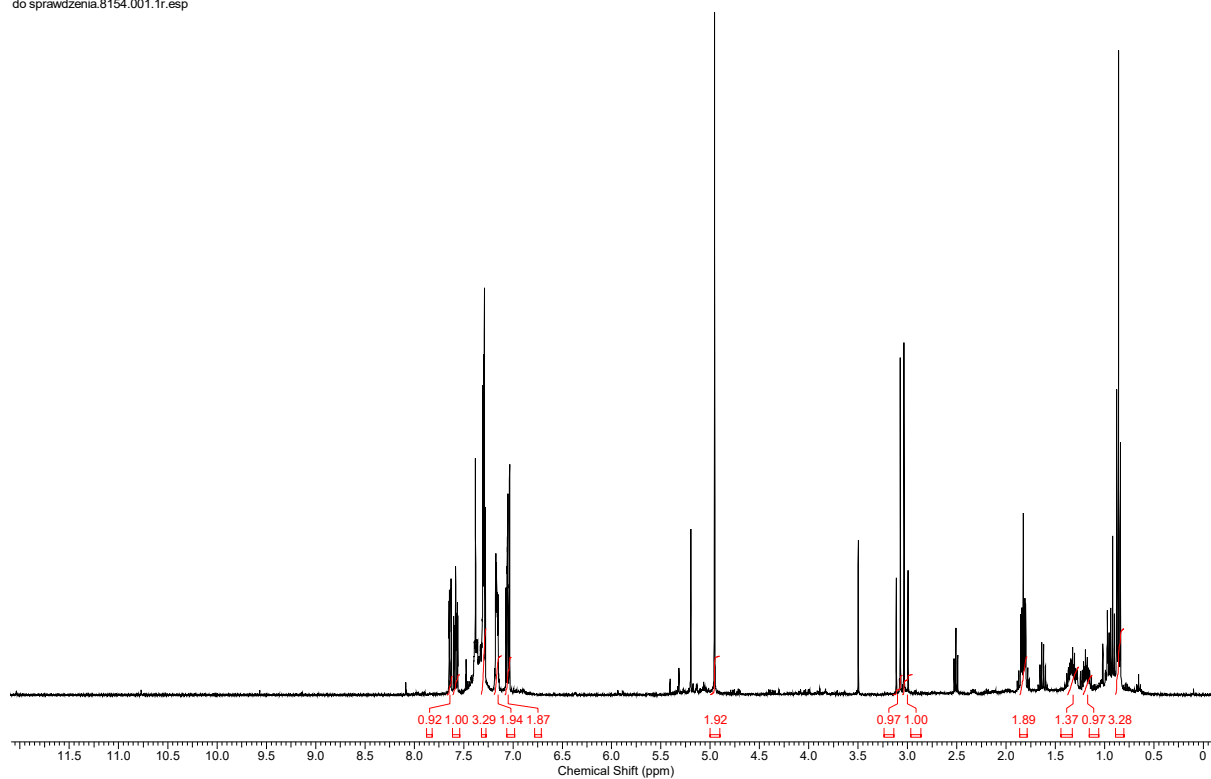


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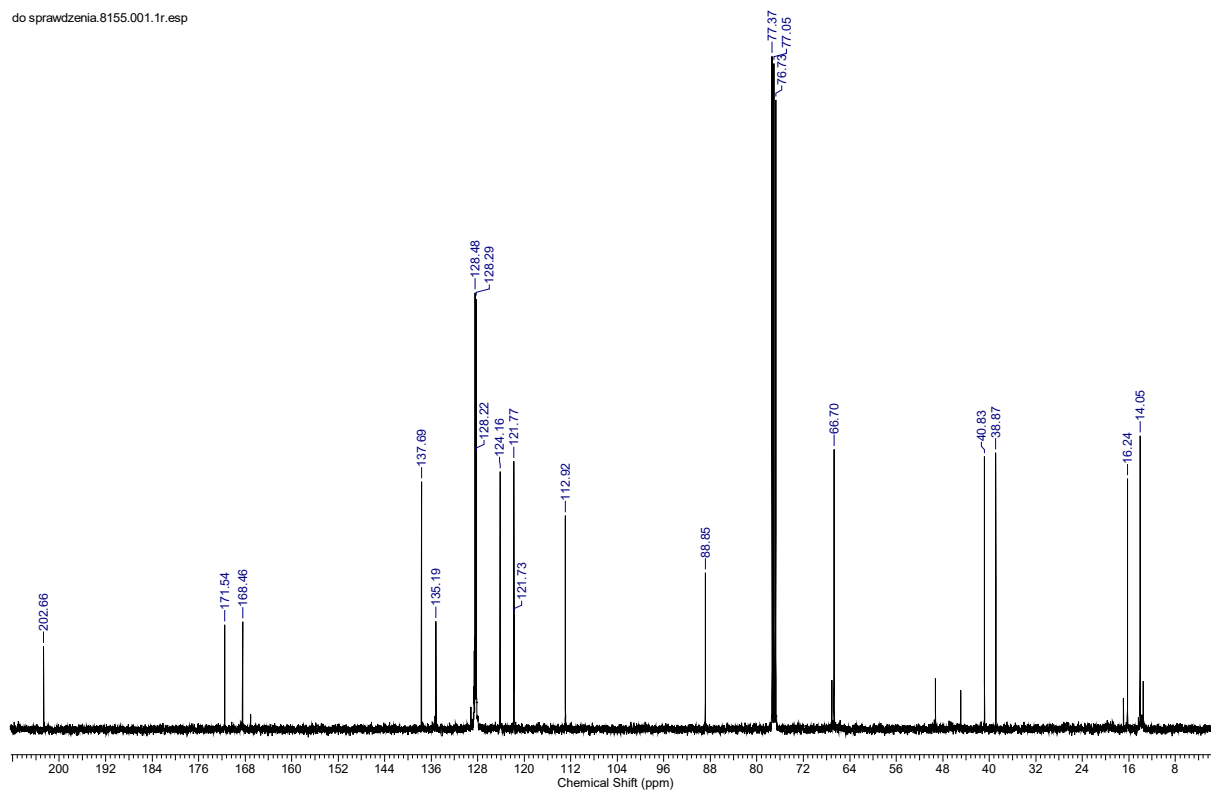


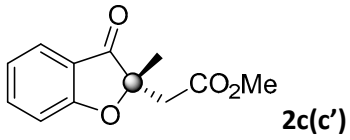


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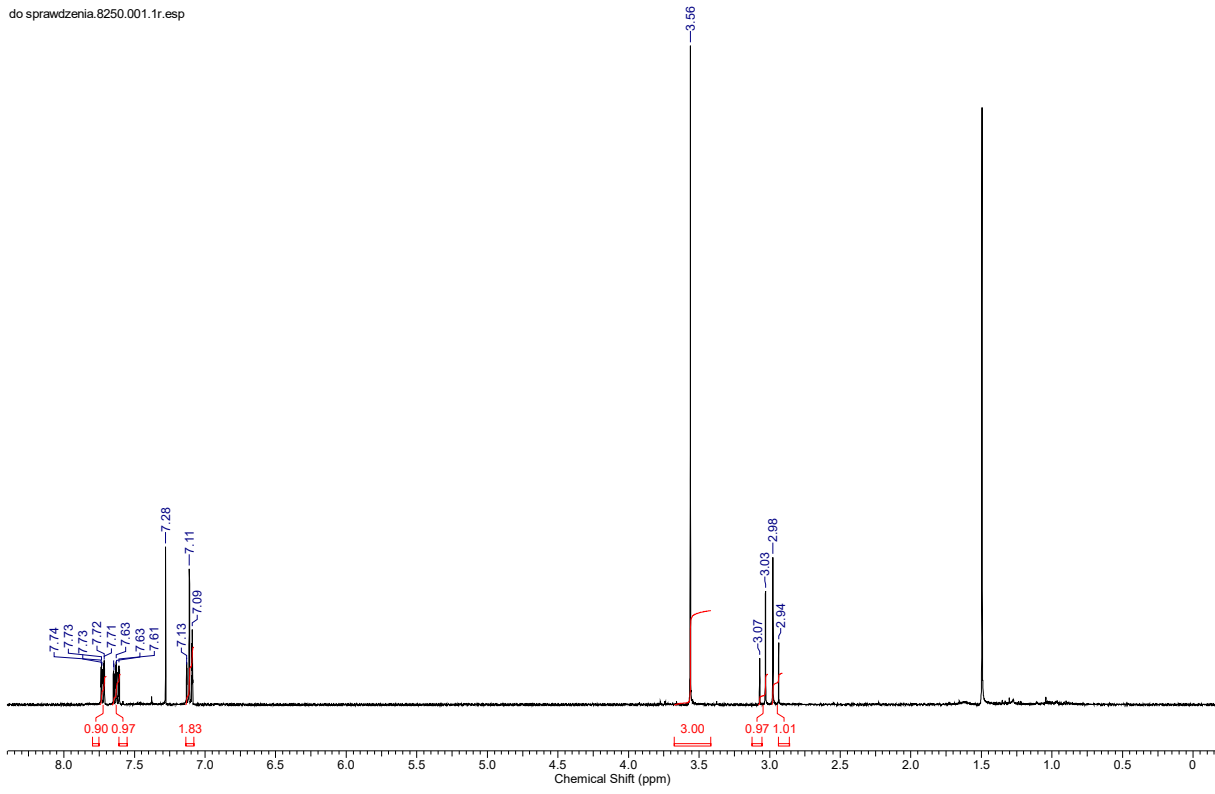


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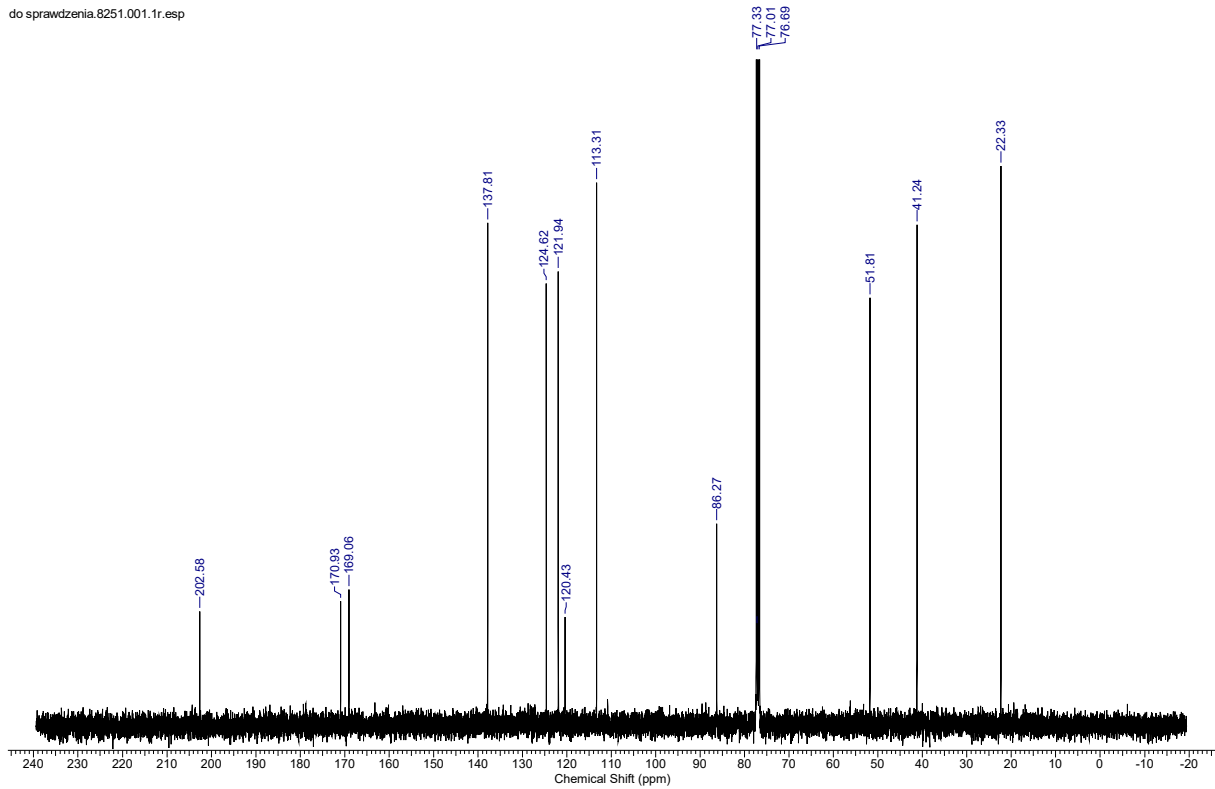


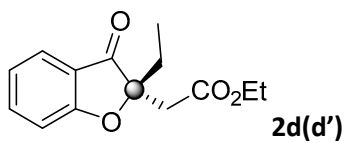


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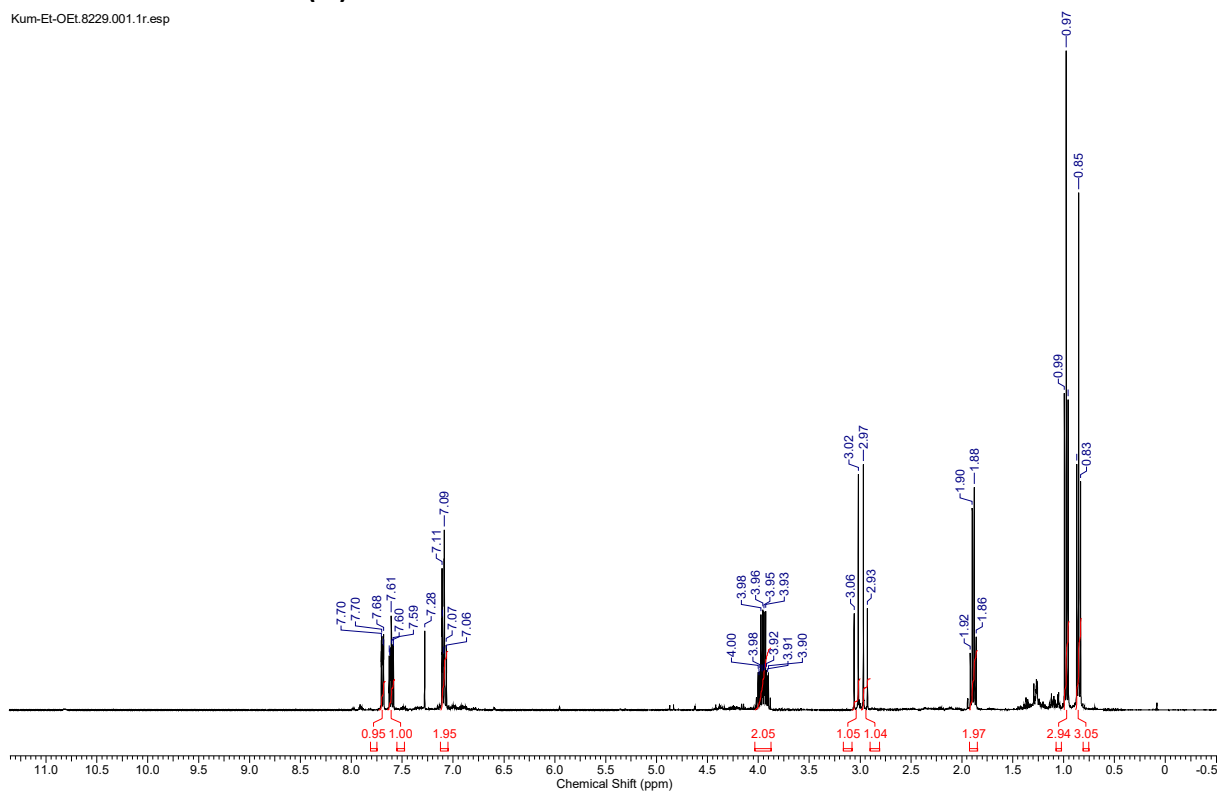


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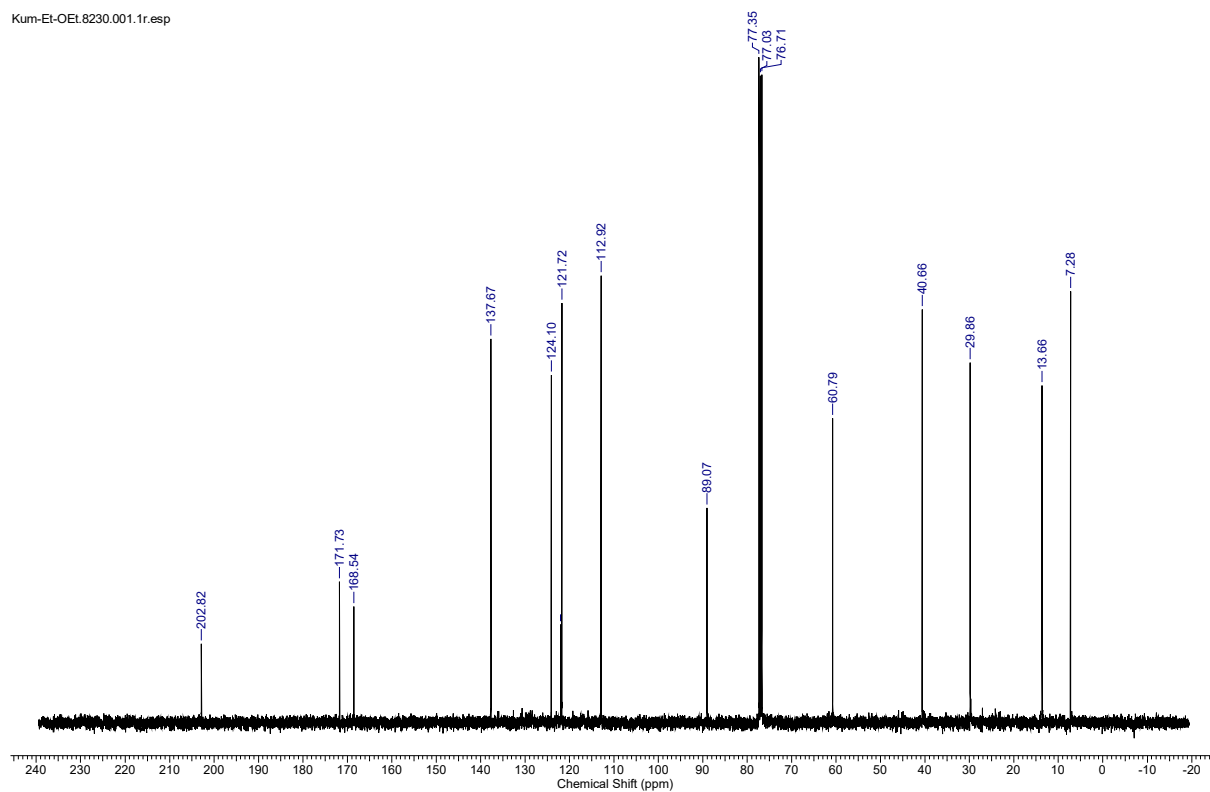


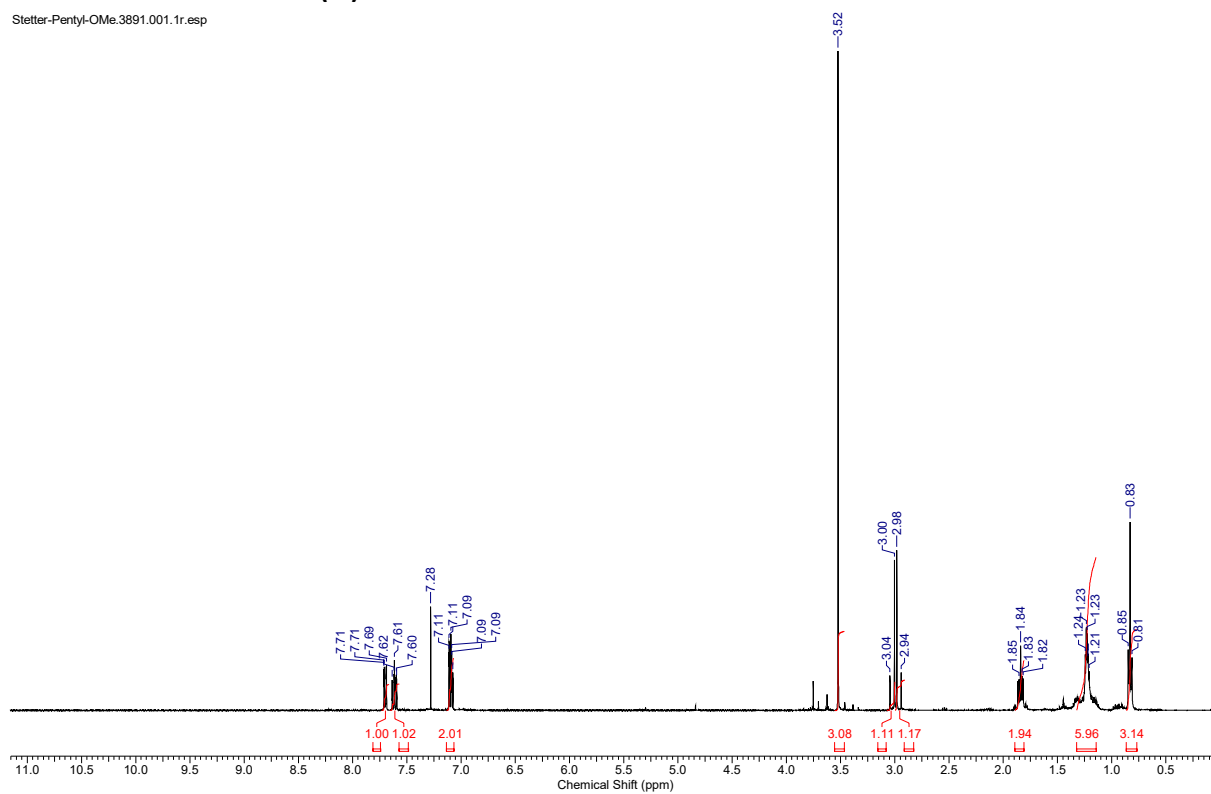
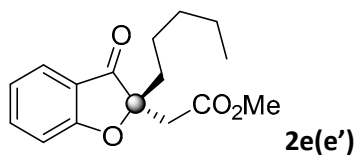


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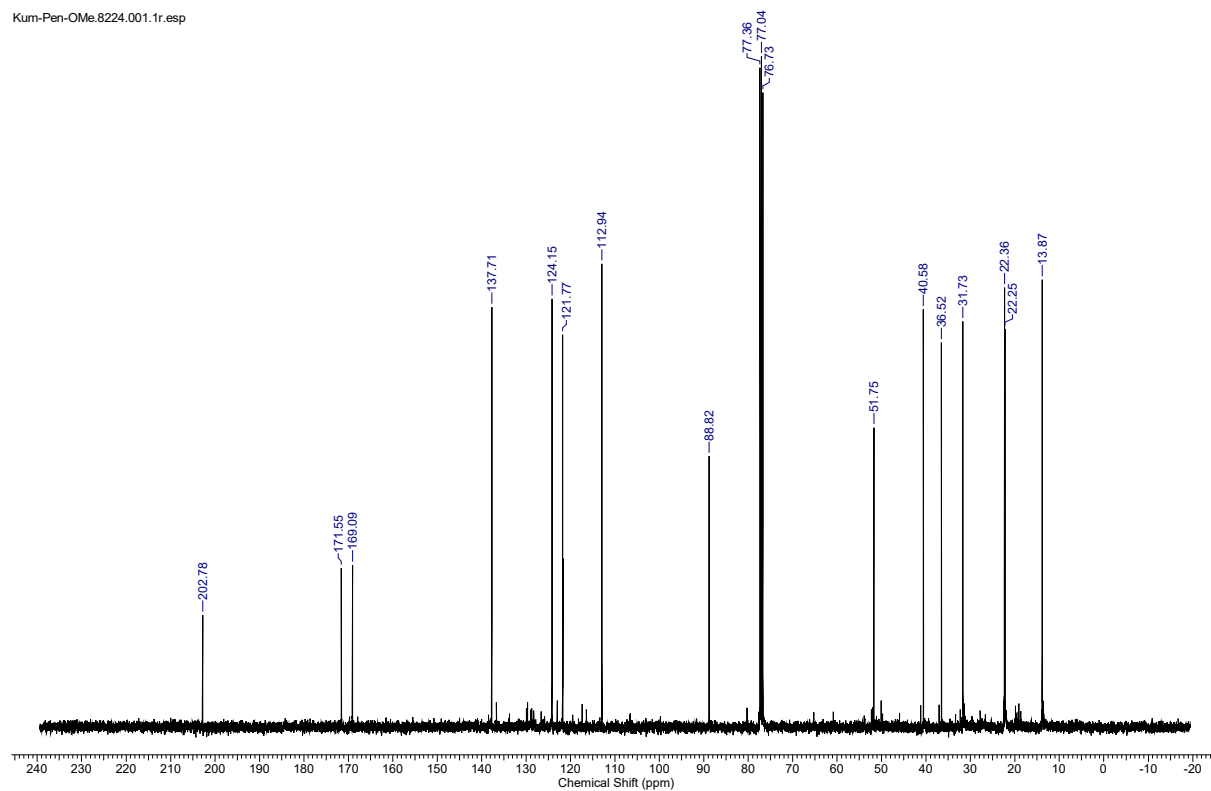


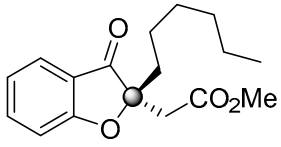
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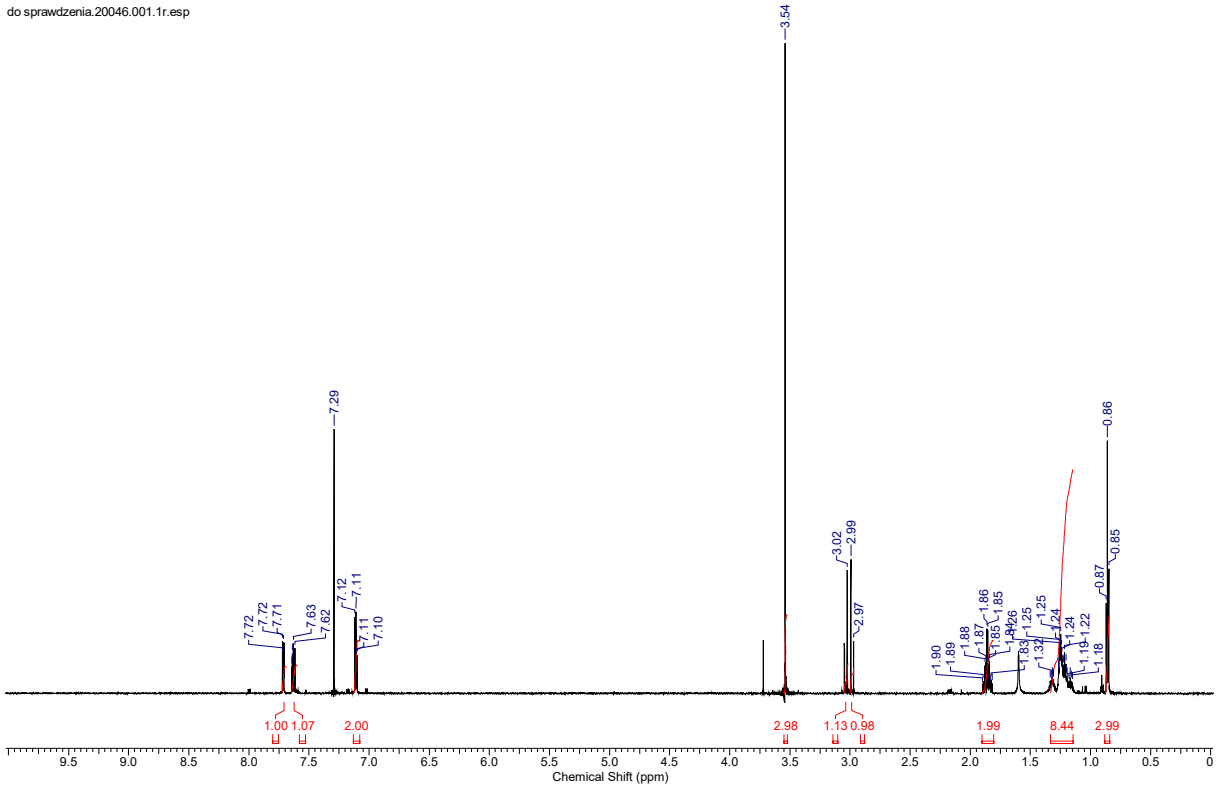
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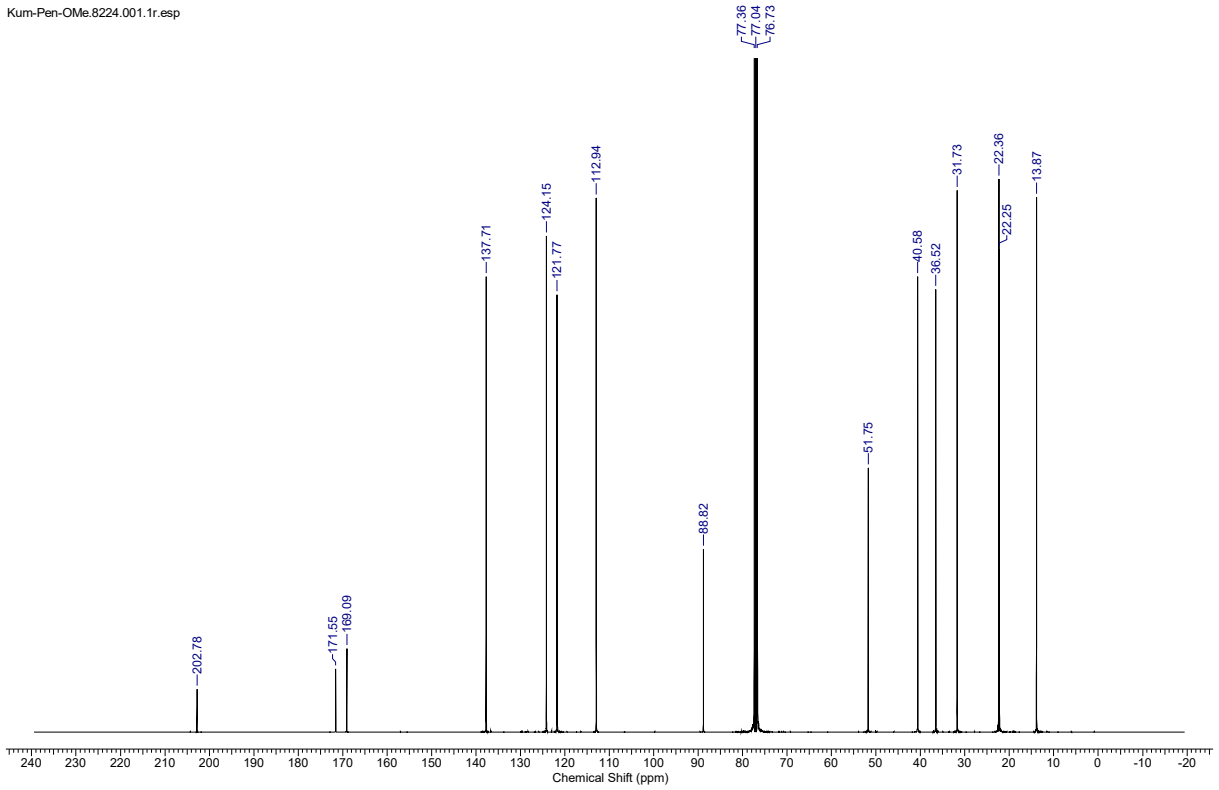


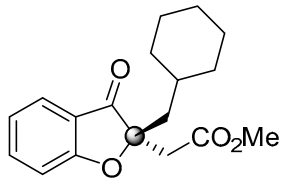
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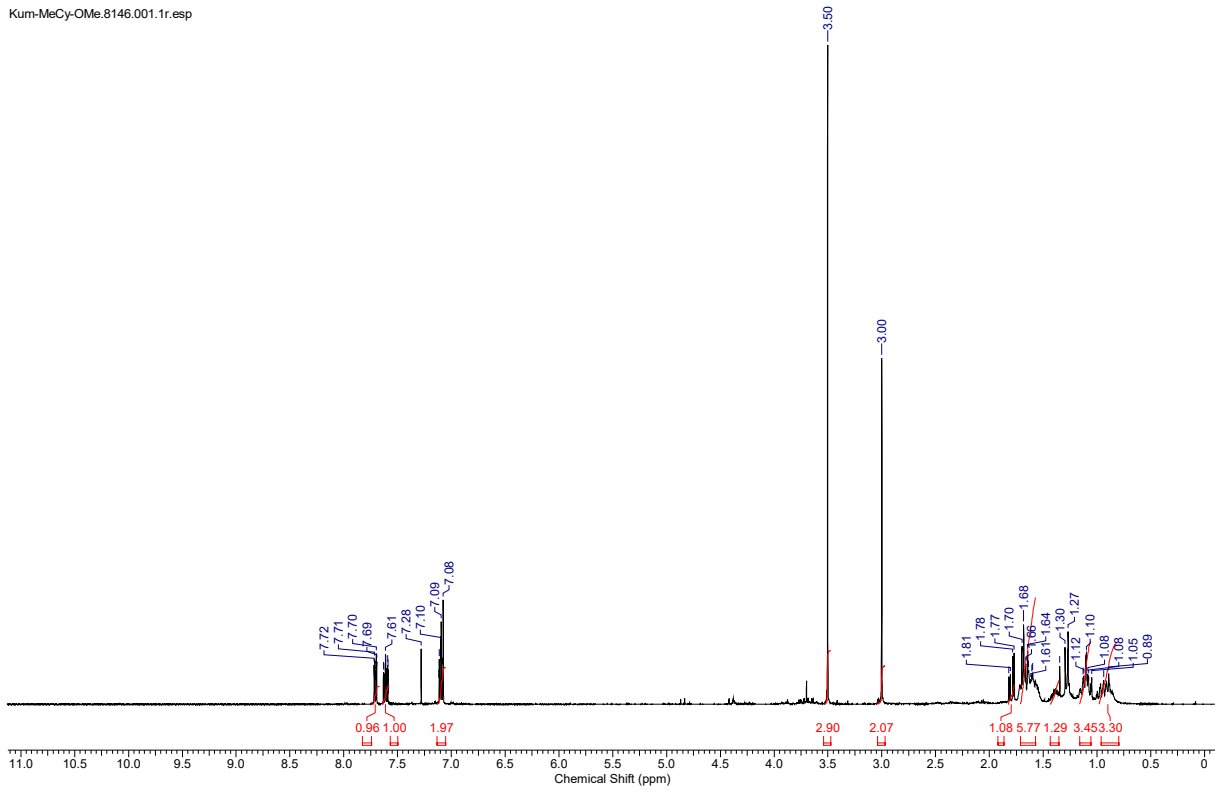


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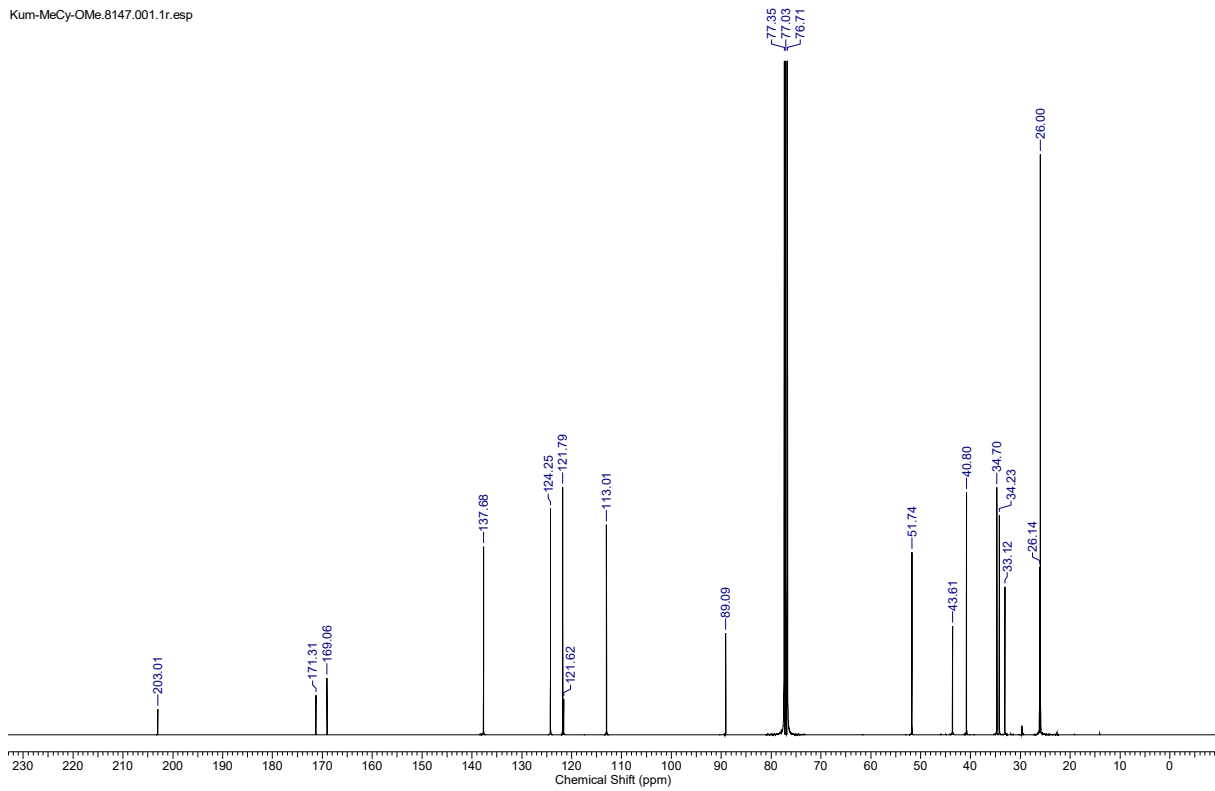


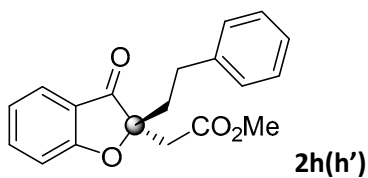


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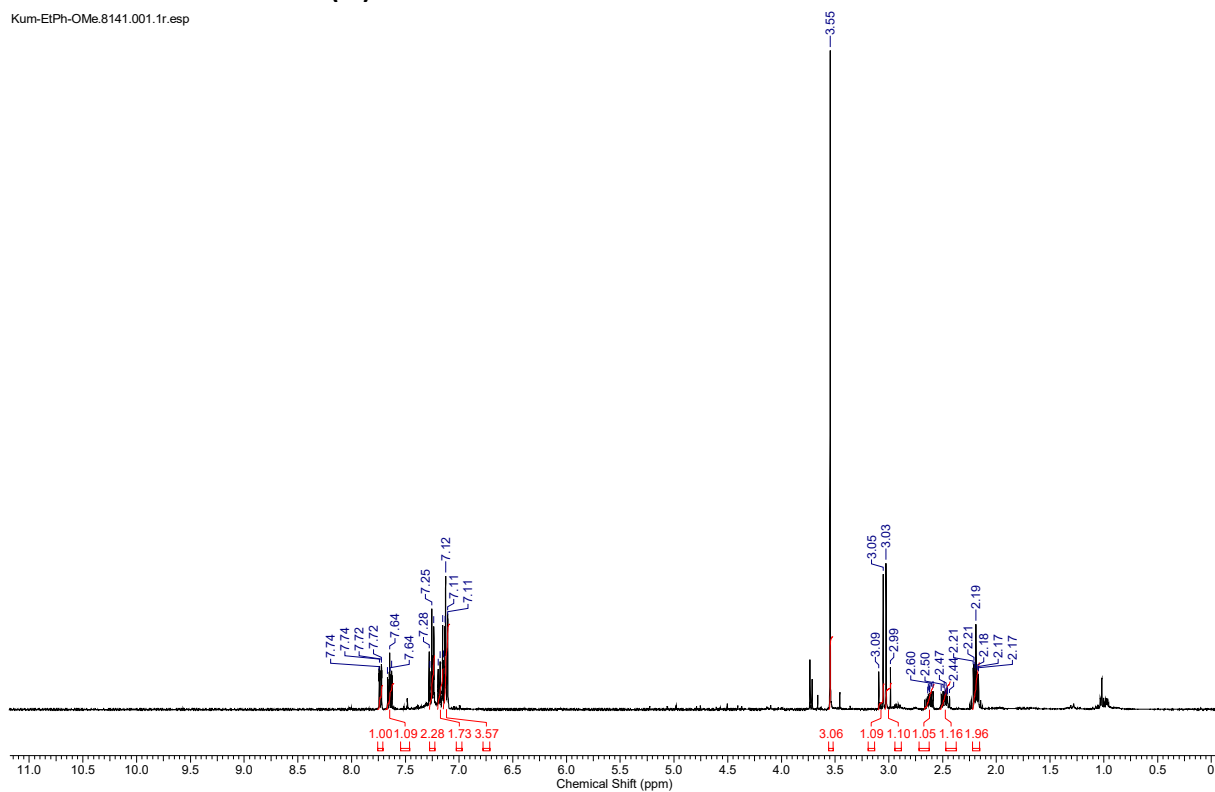


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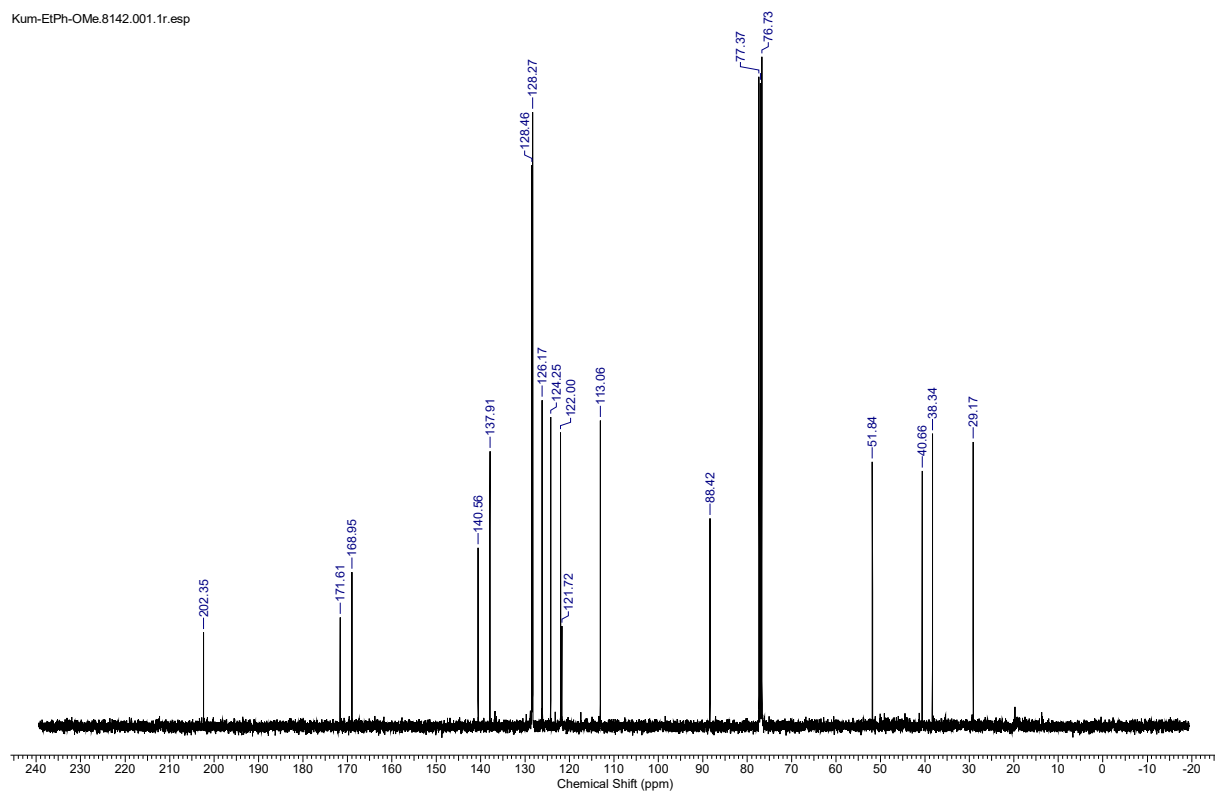


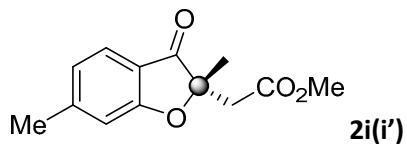


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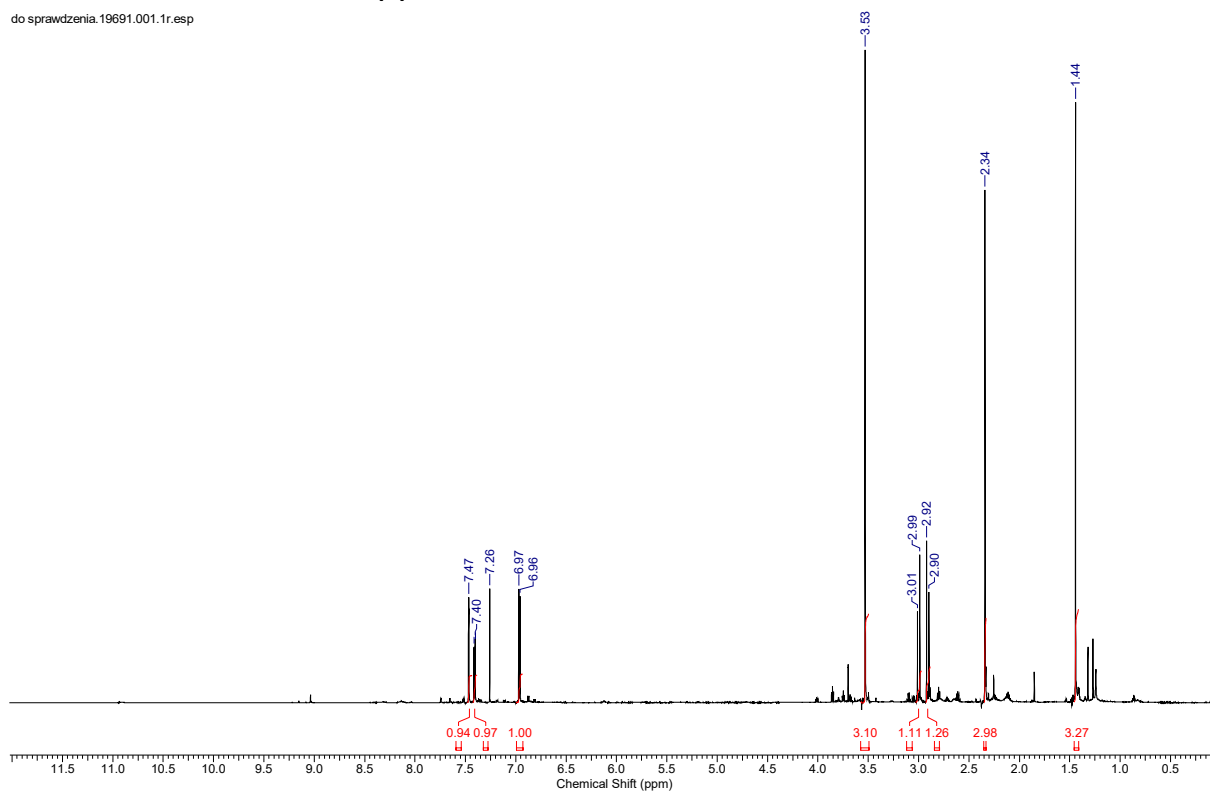


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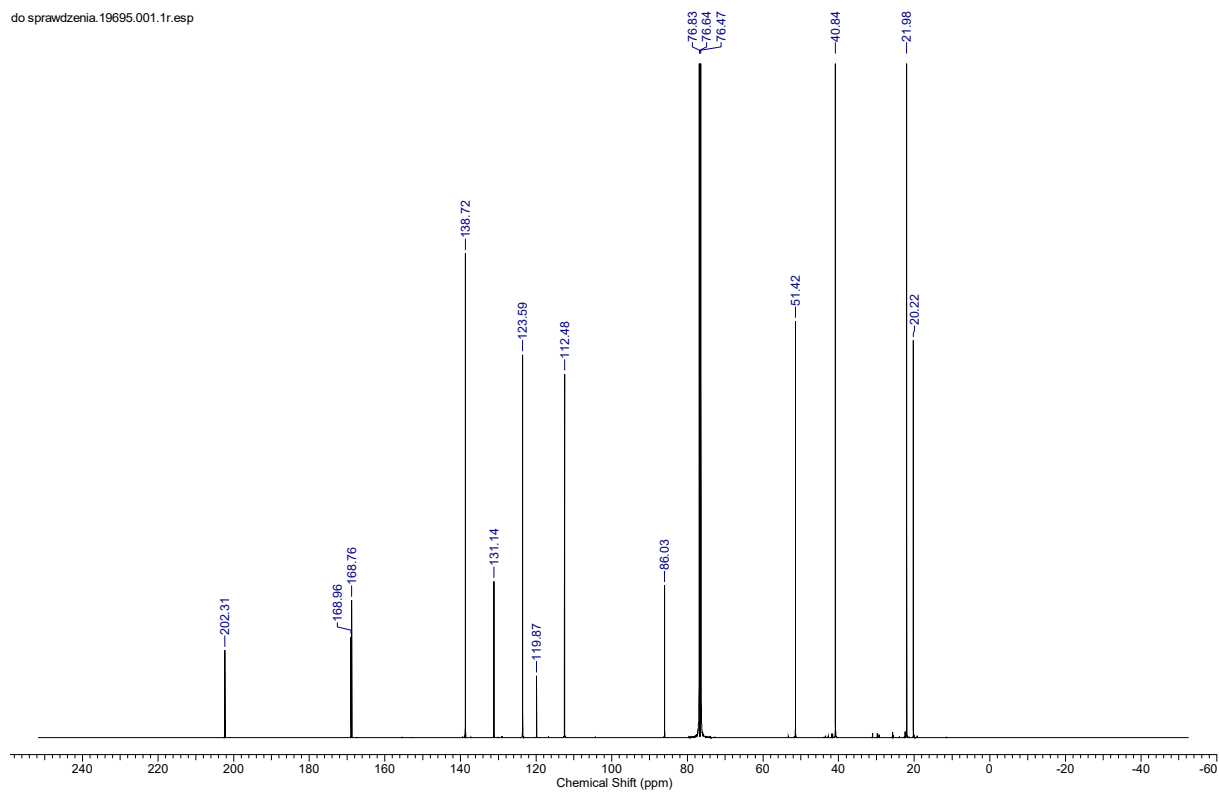


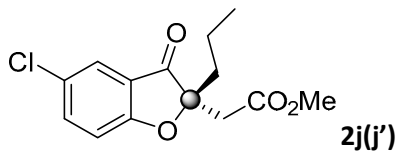


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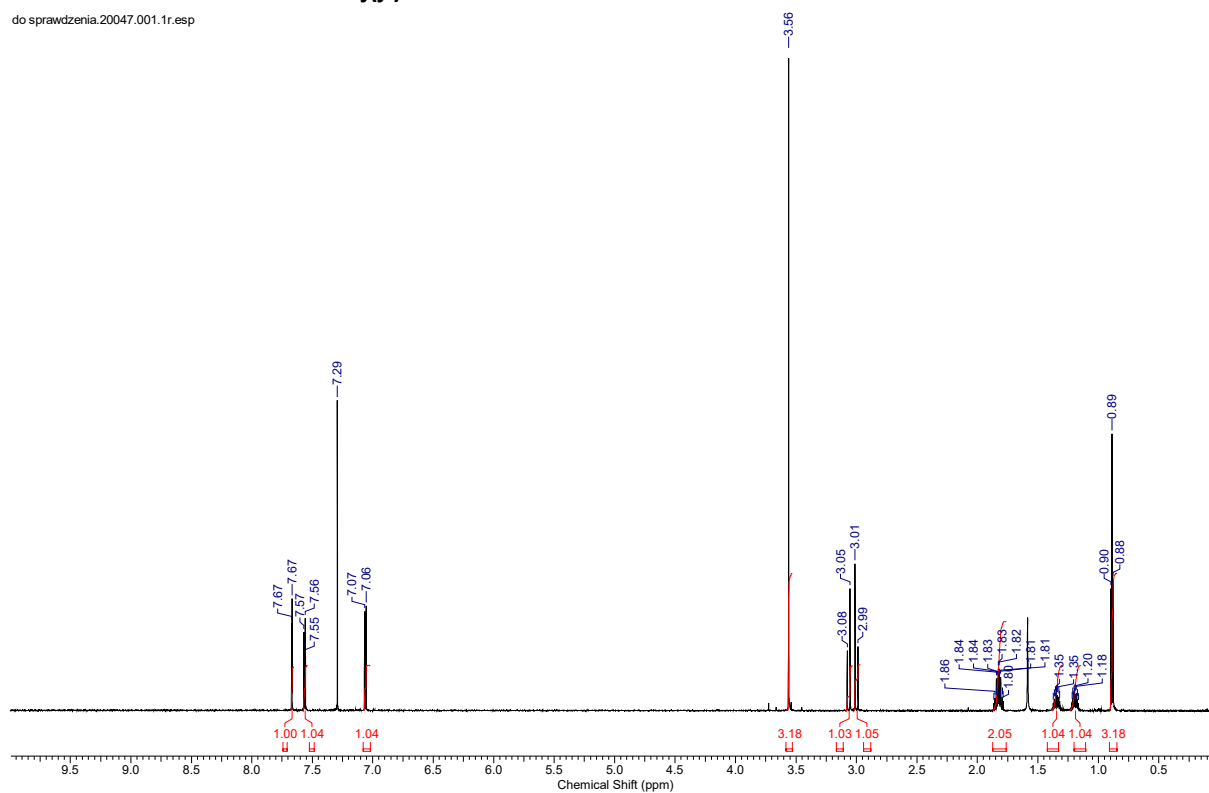


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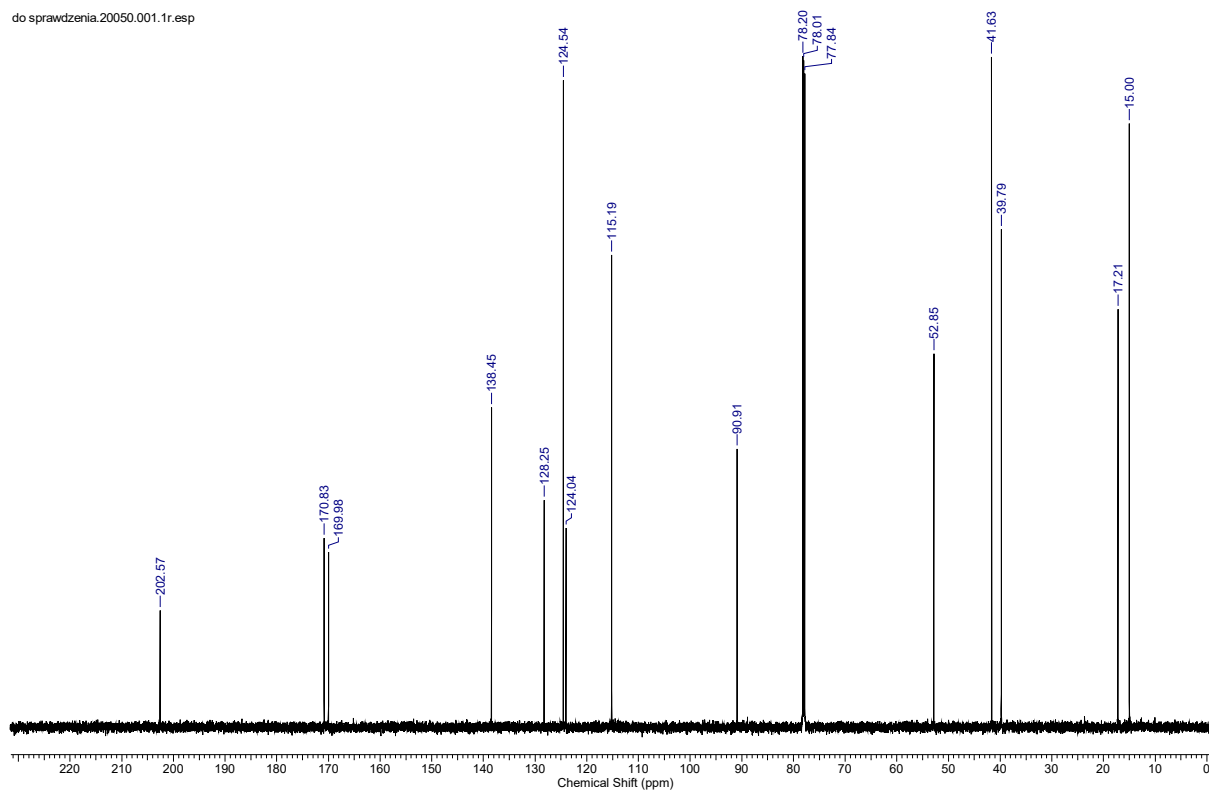


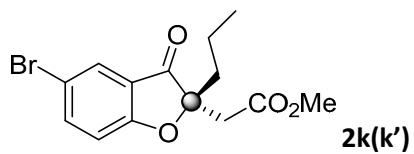


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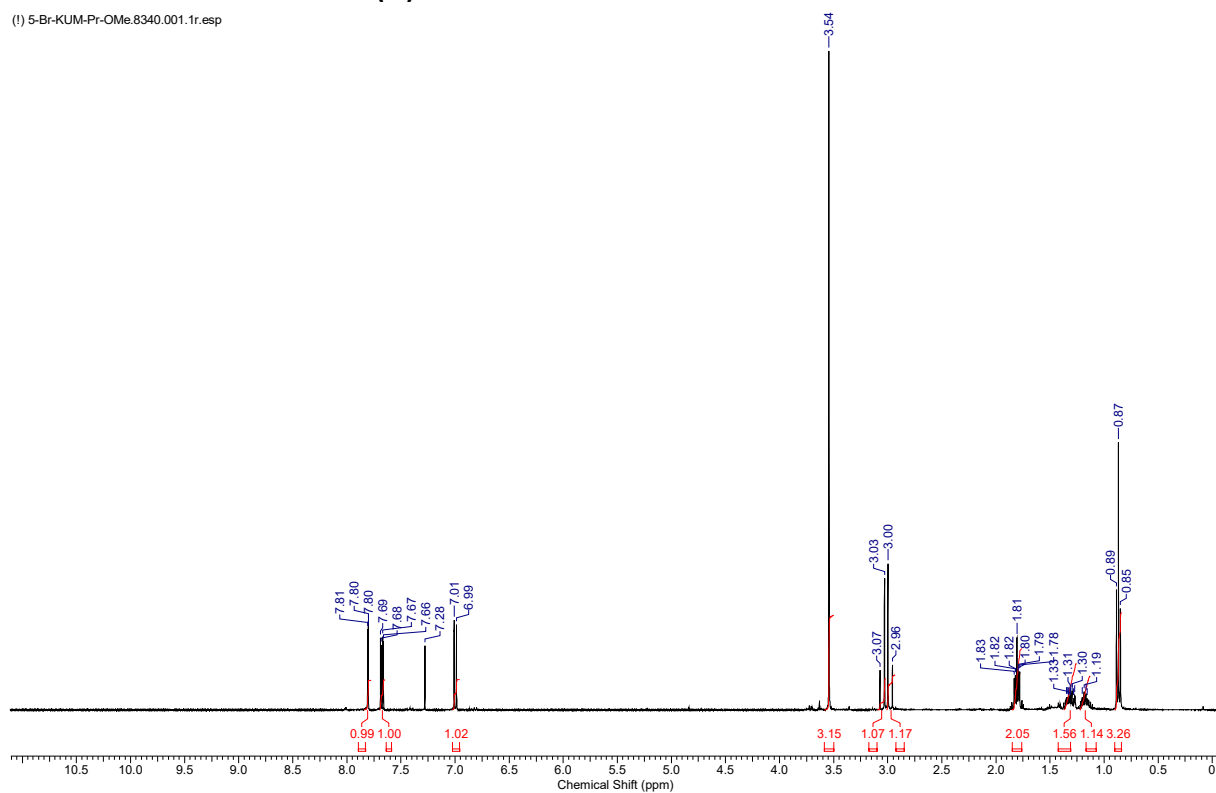


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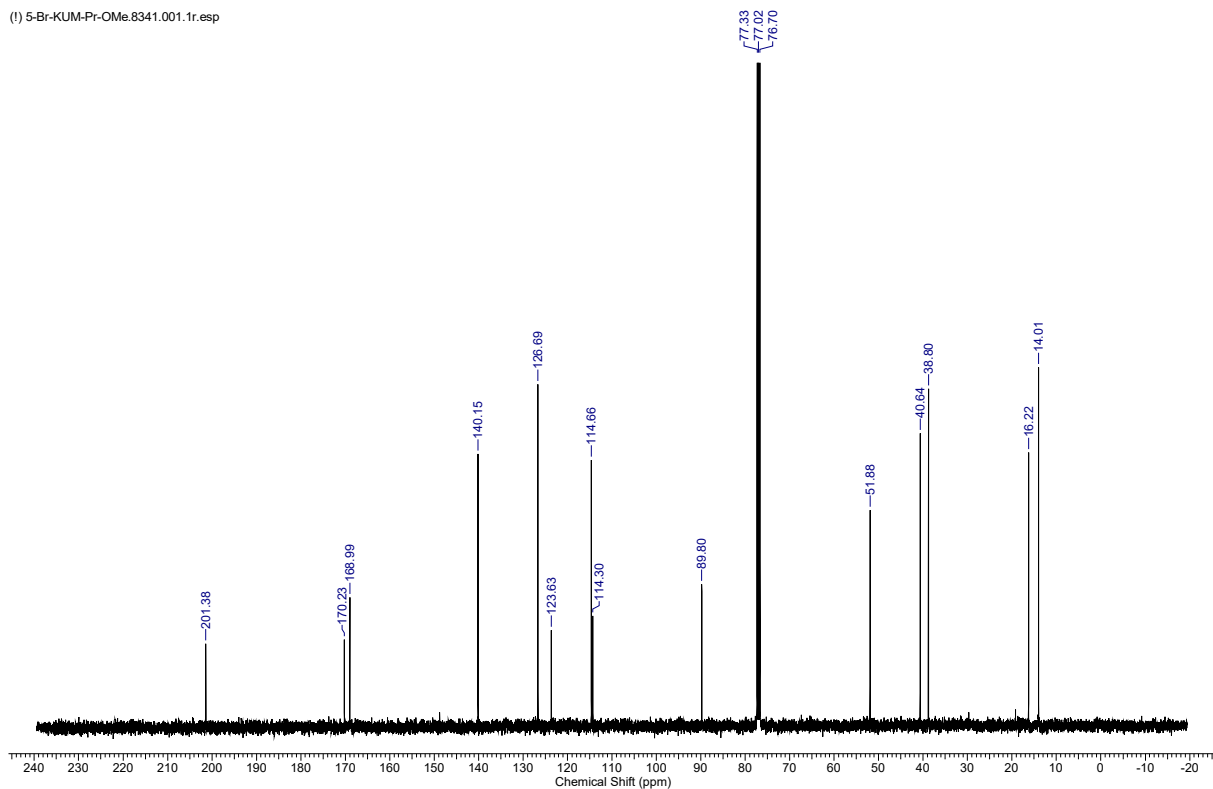


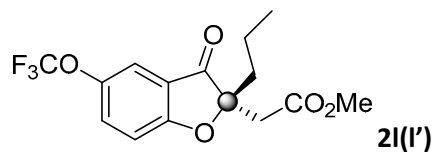


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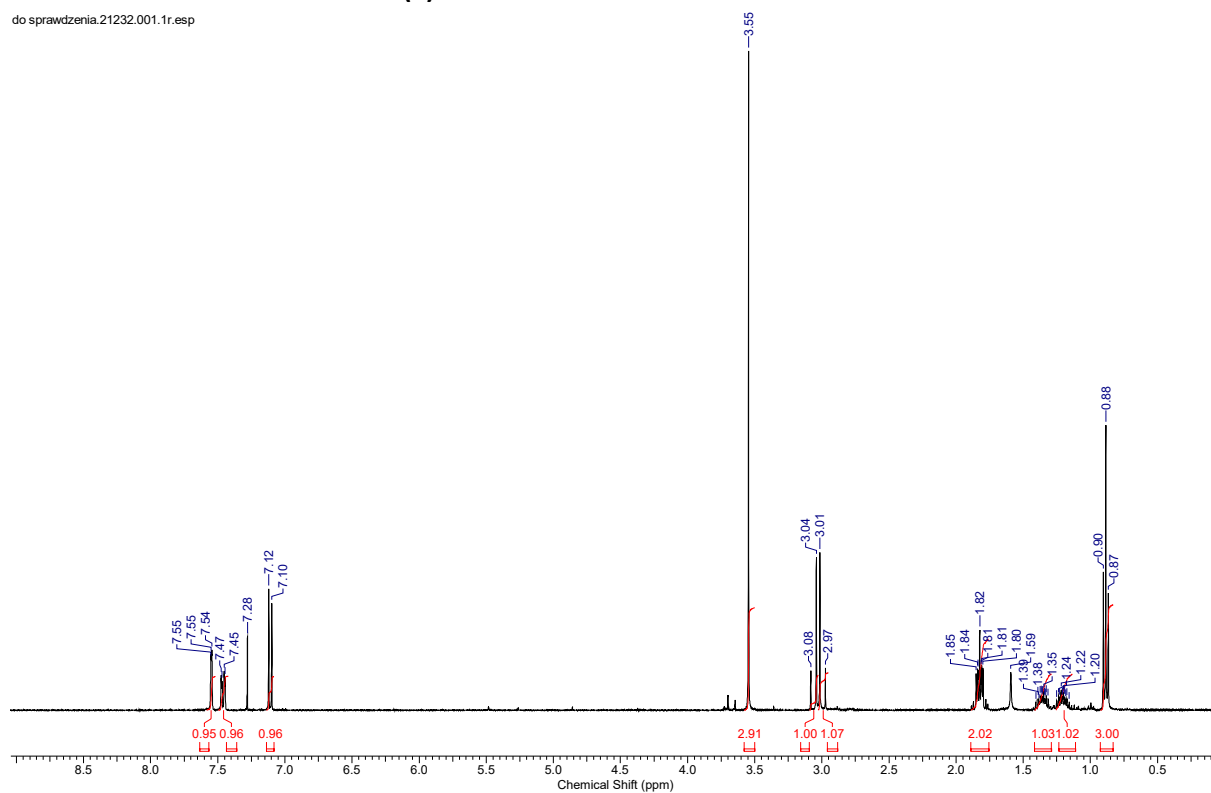


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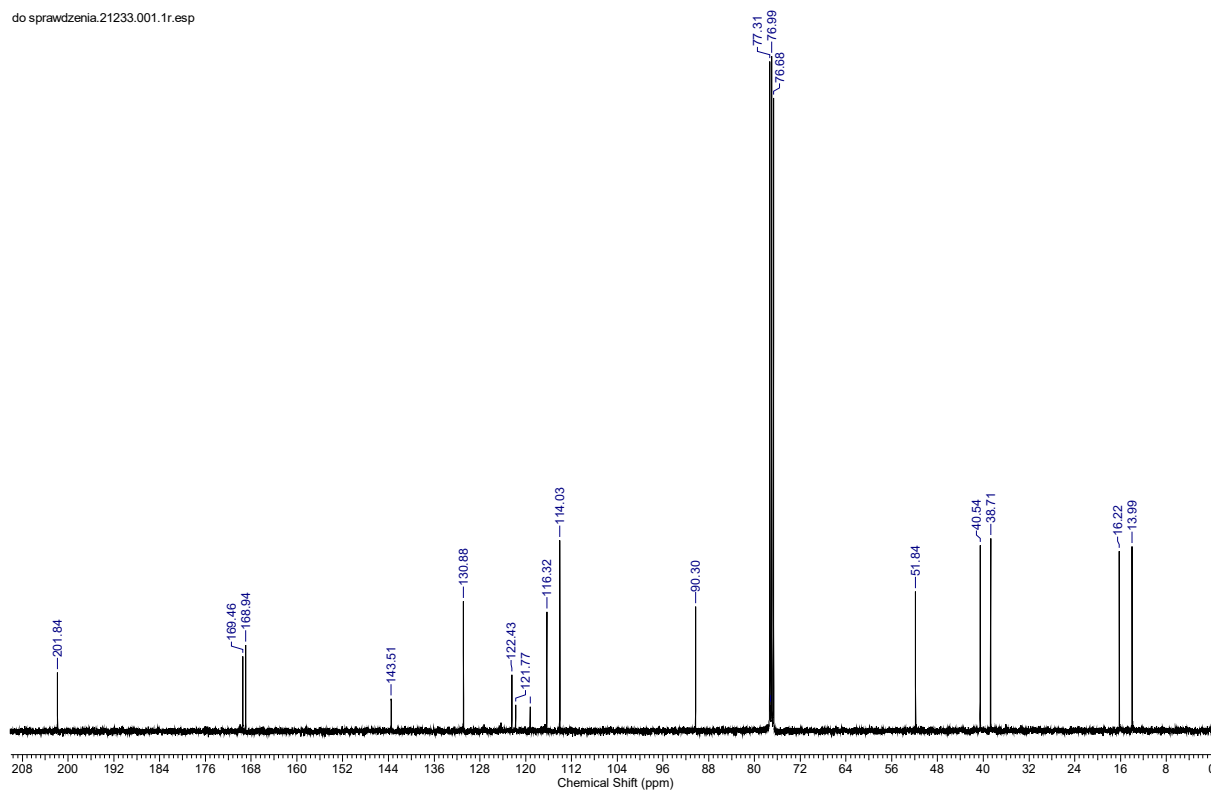


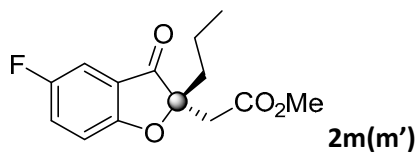


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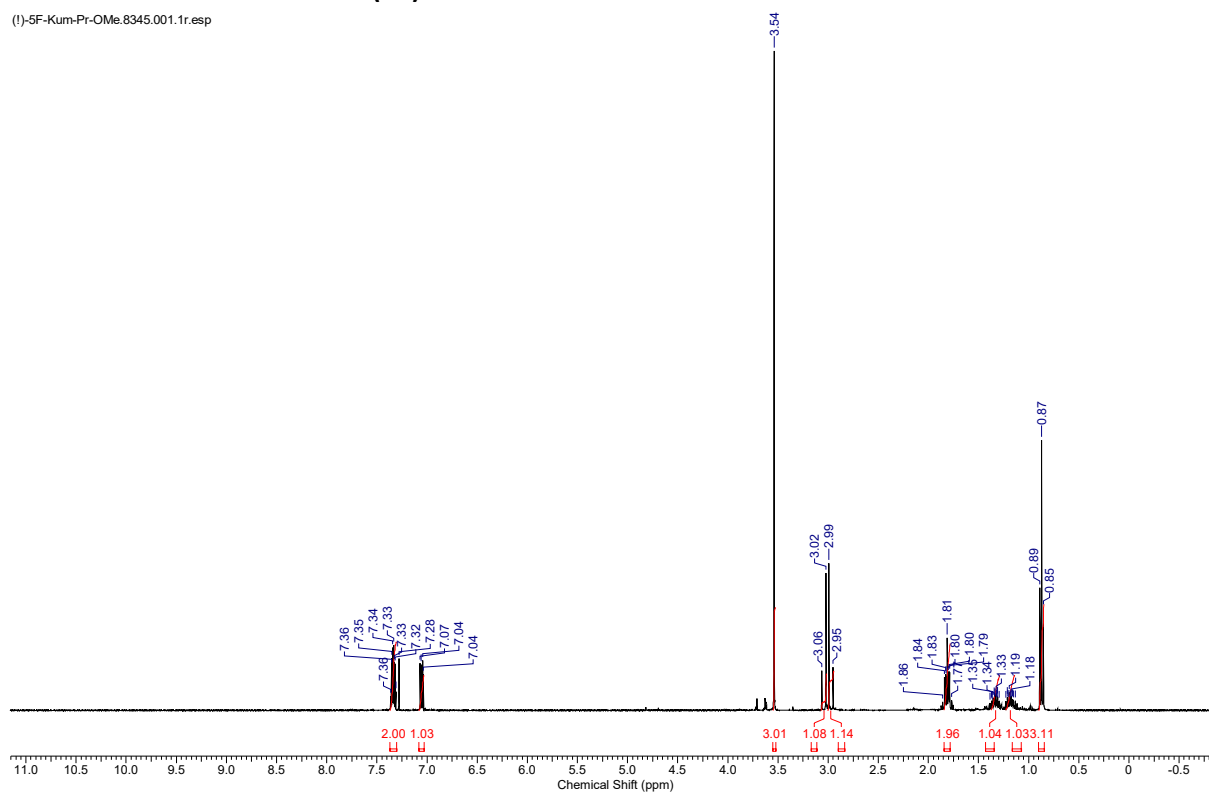


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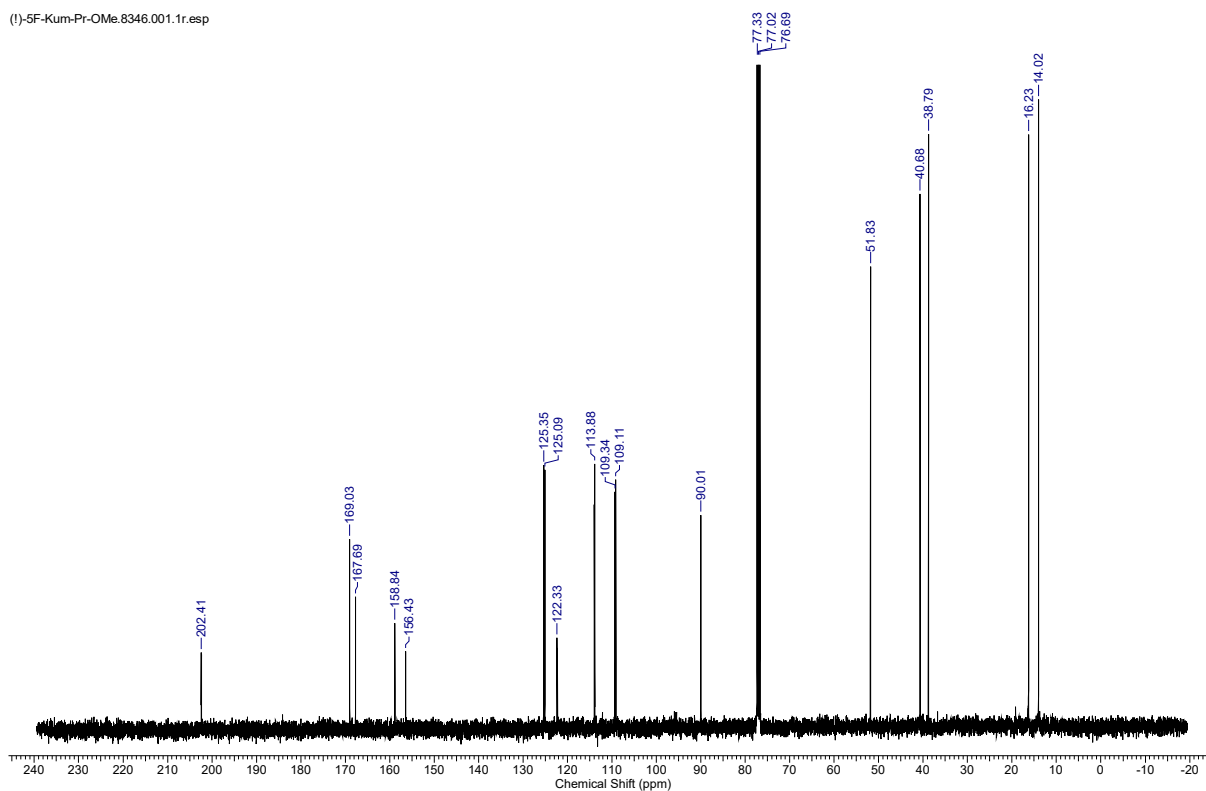


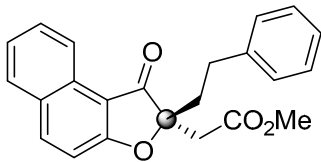


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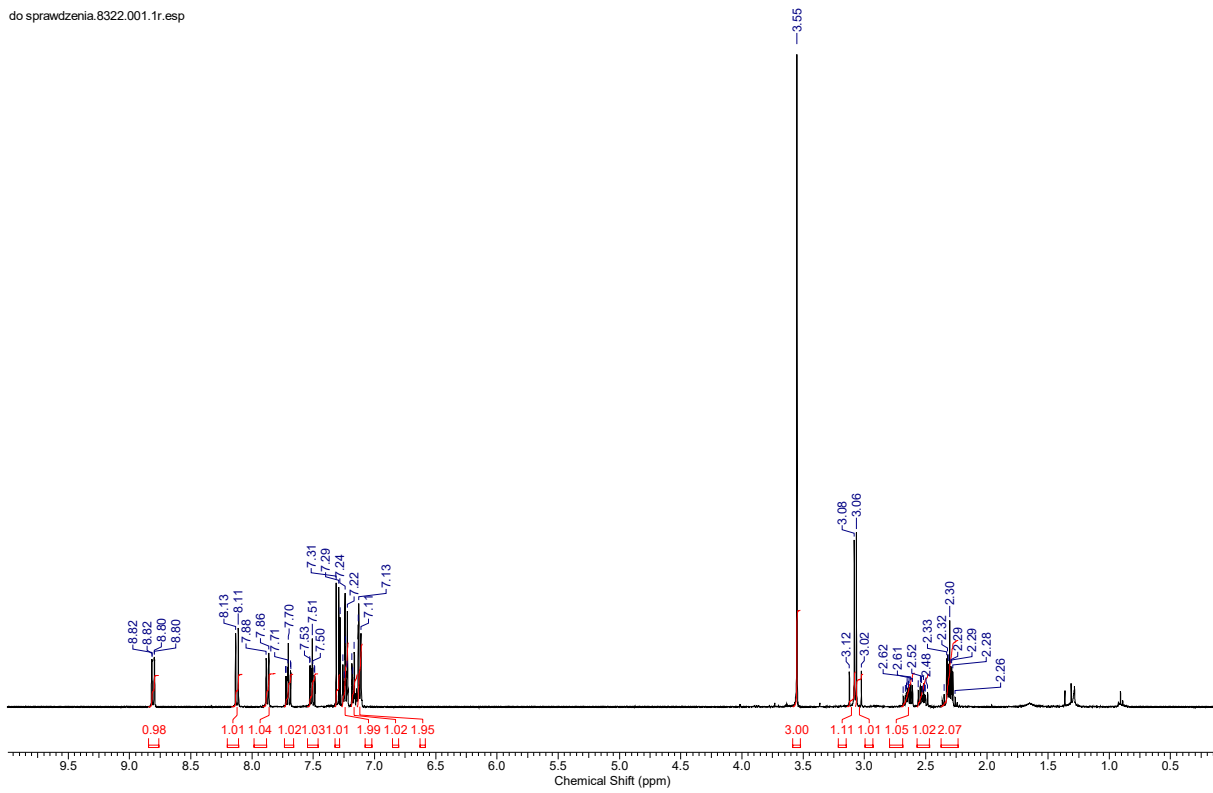
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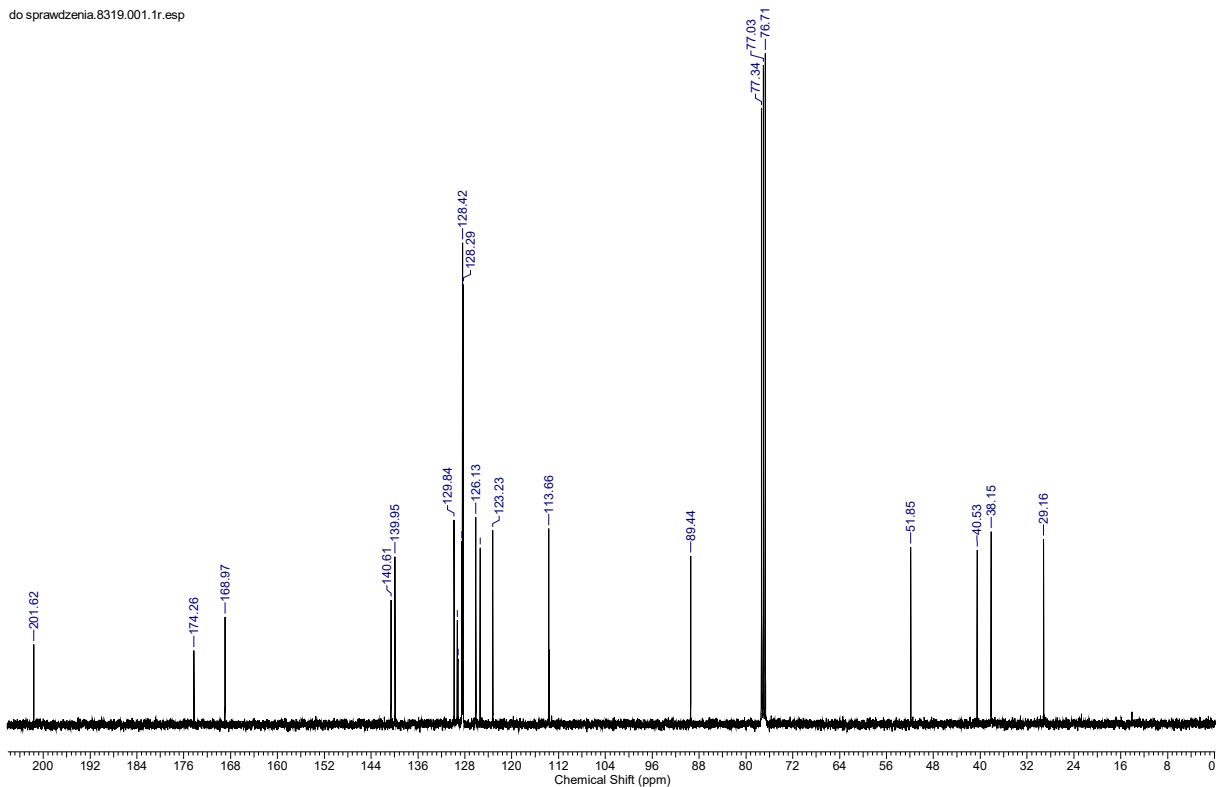


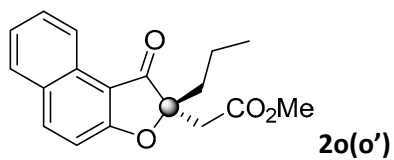
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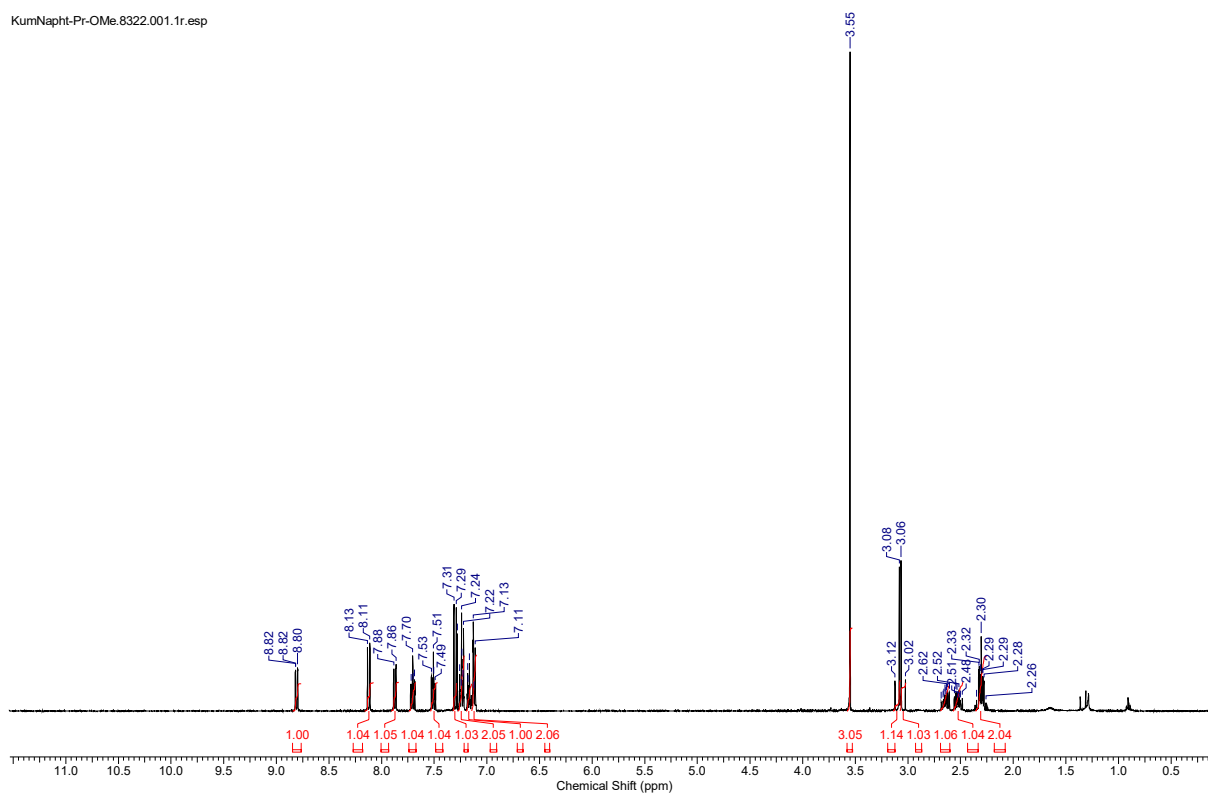


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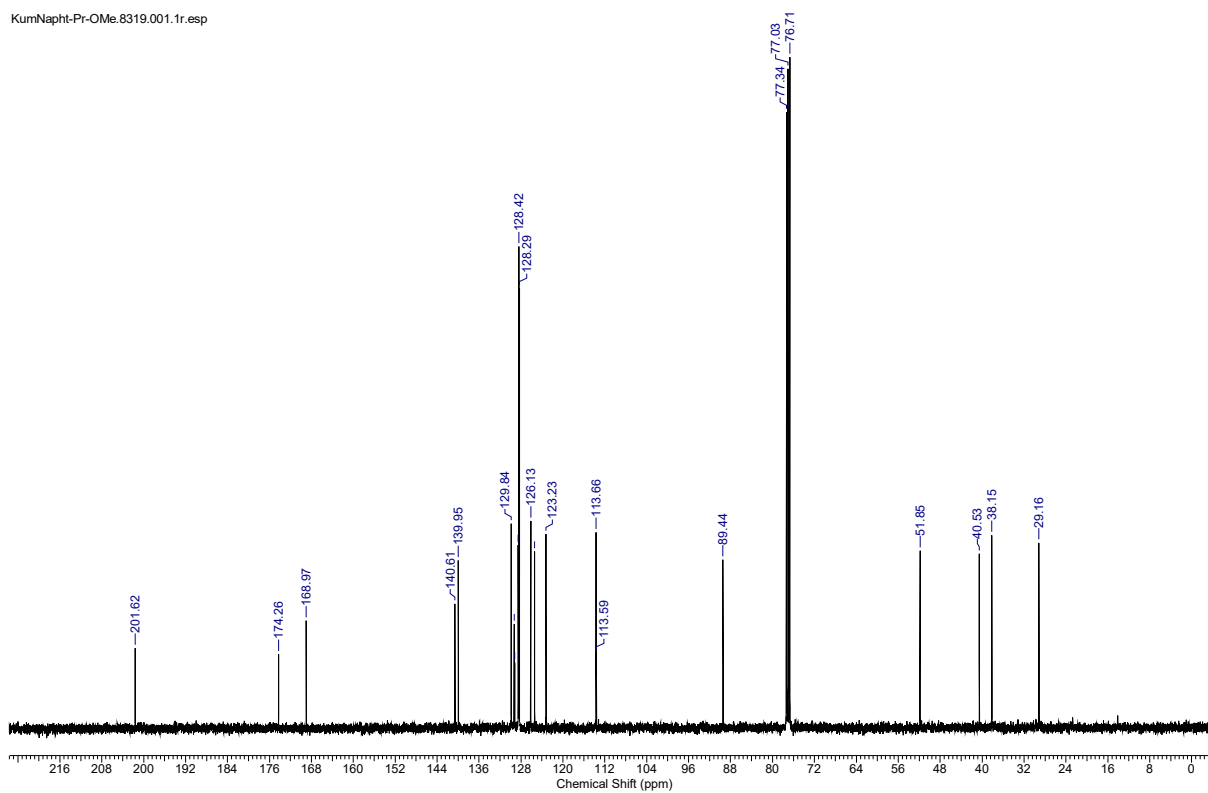


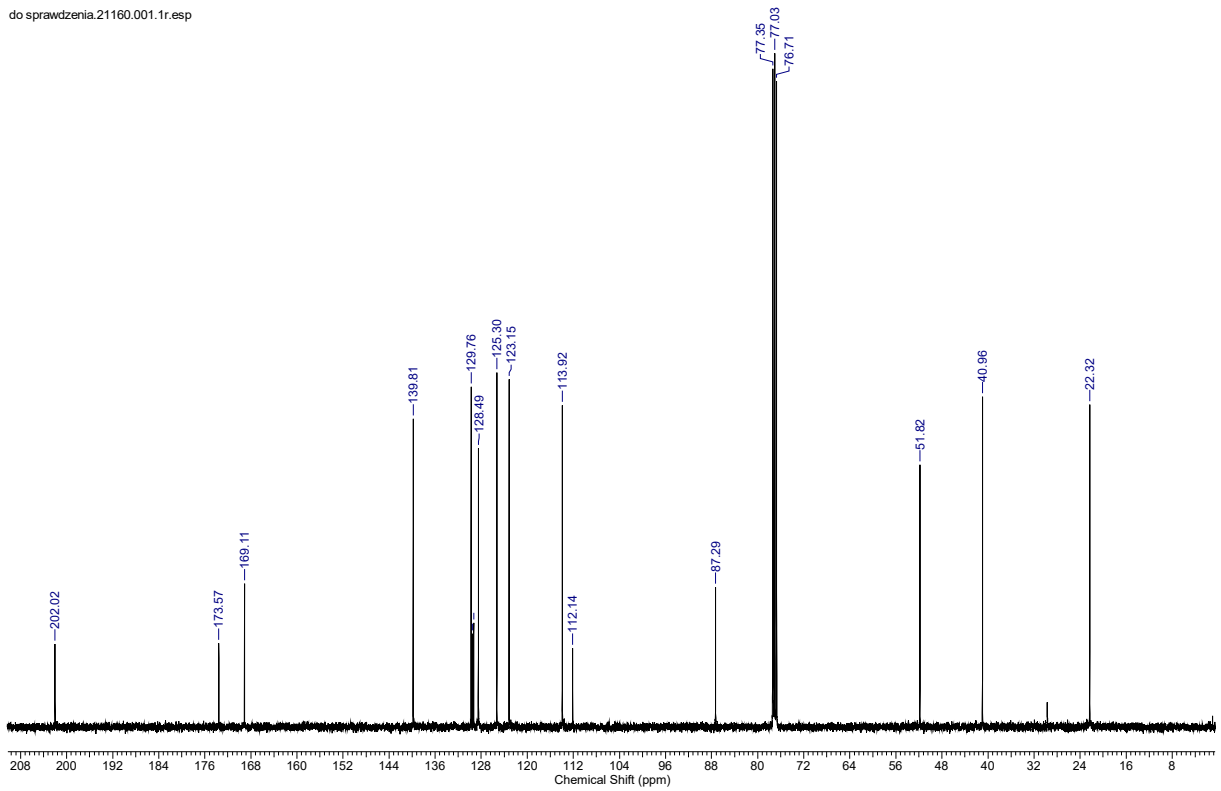
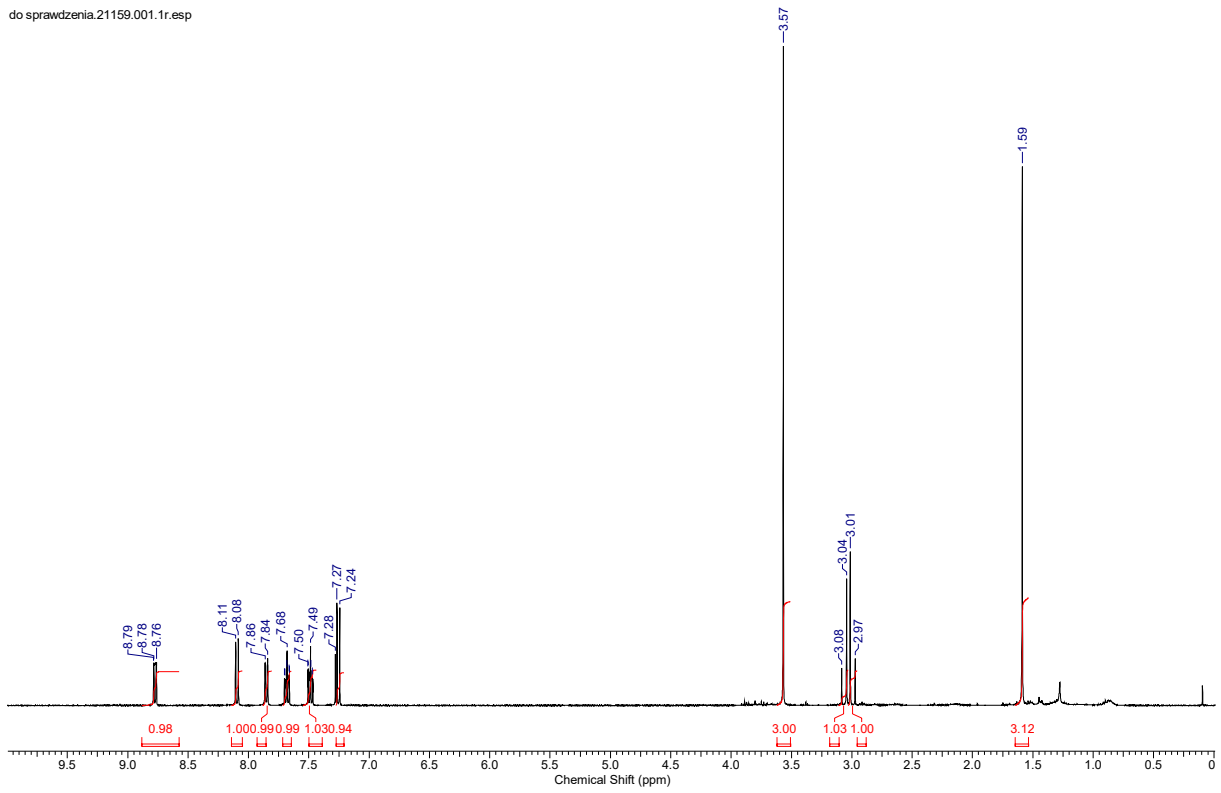
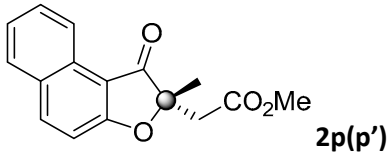


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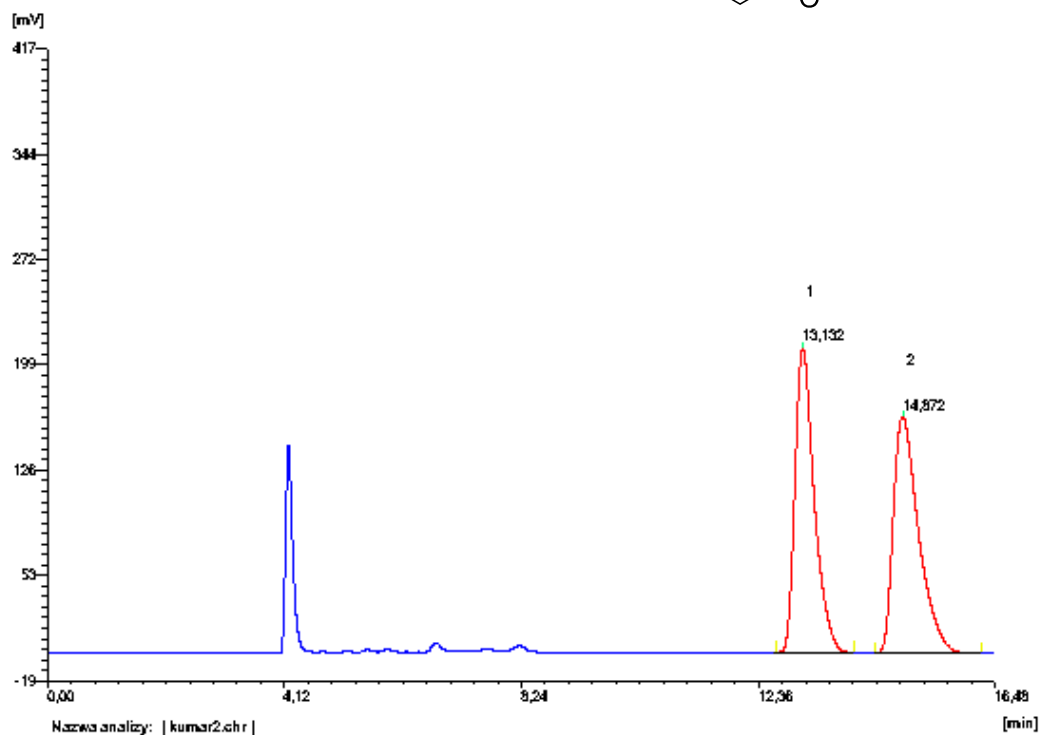
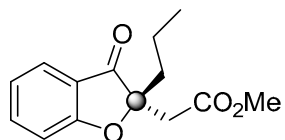


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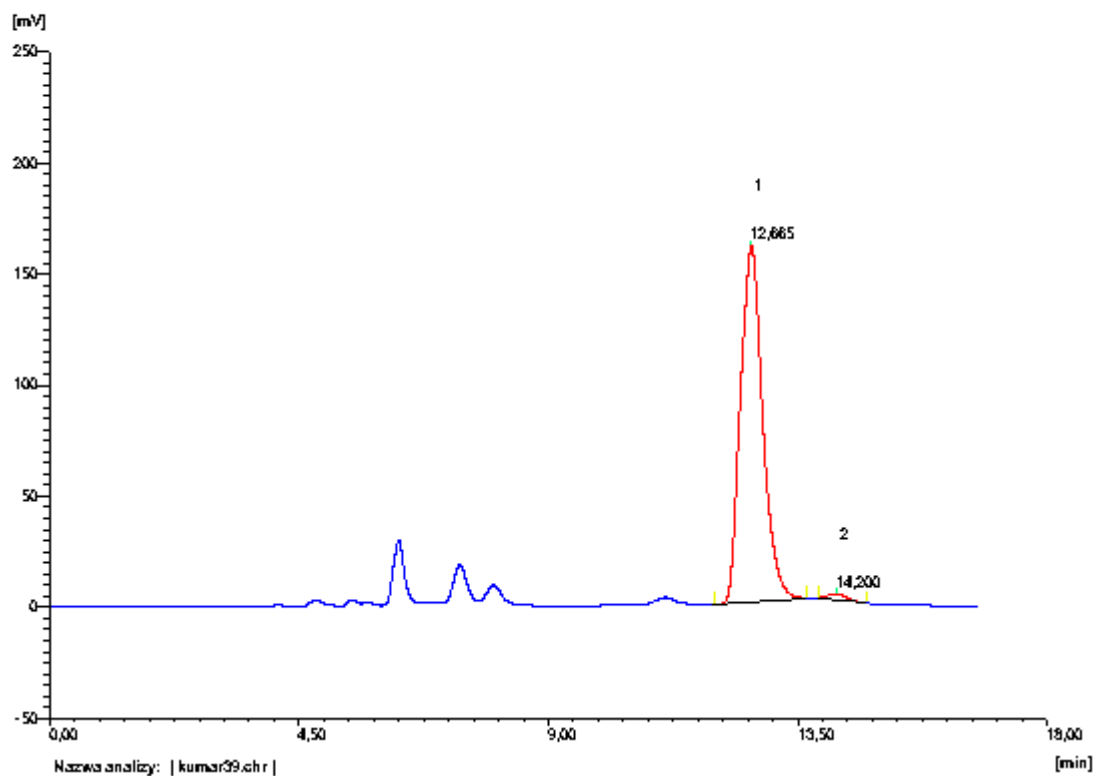




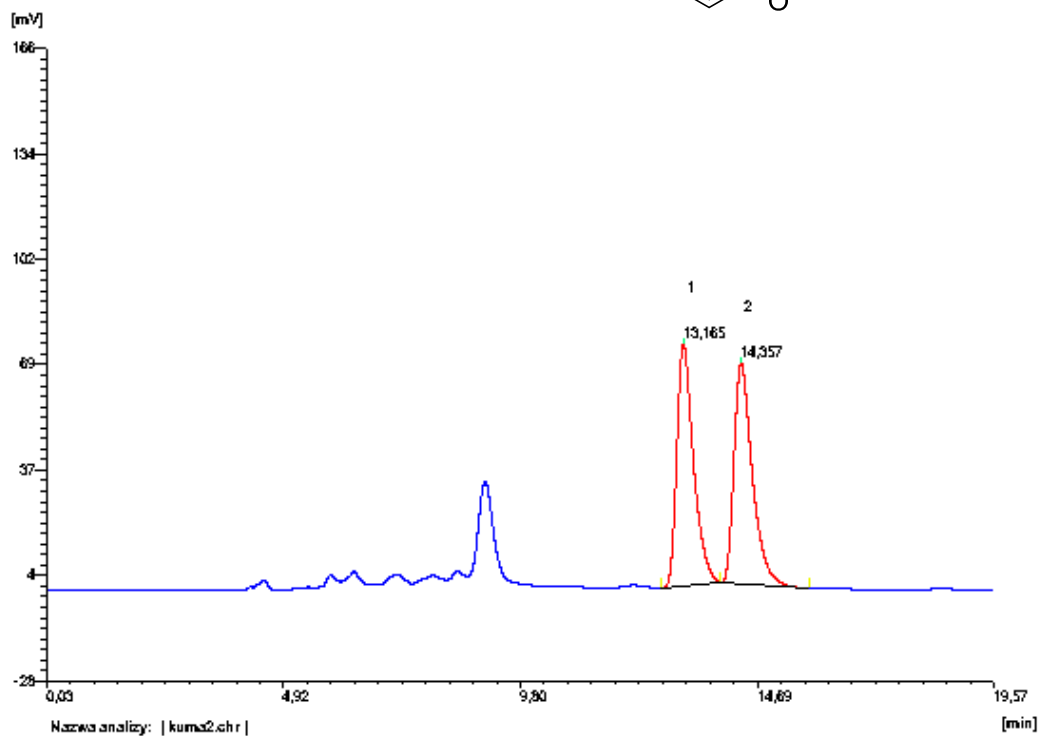
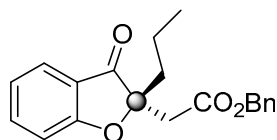
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μV 1/100 min]	UDZIAŁ % POWIERZCHNI
A1	13,132	8166252	49,547
A2	14,872	8315562	50,453
SUMA		16481814	



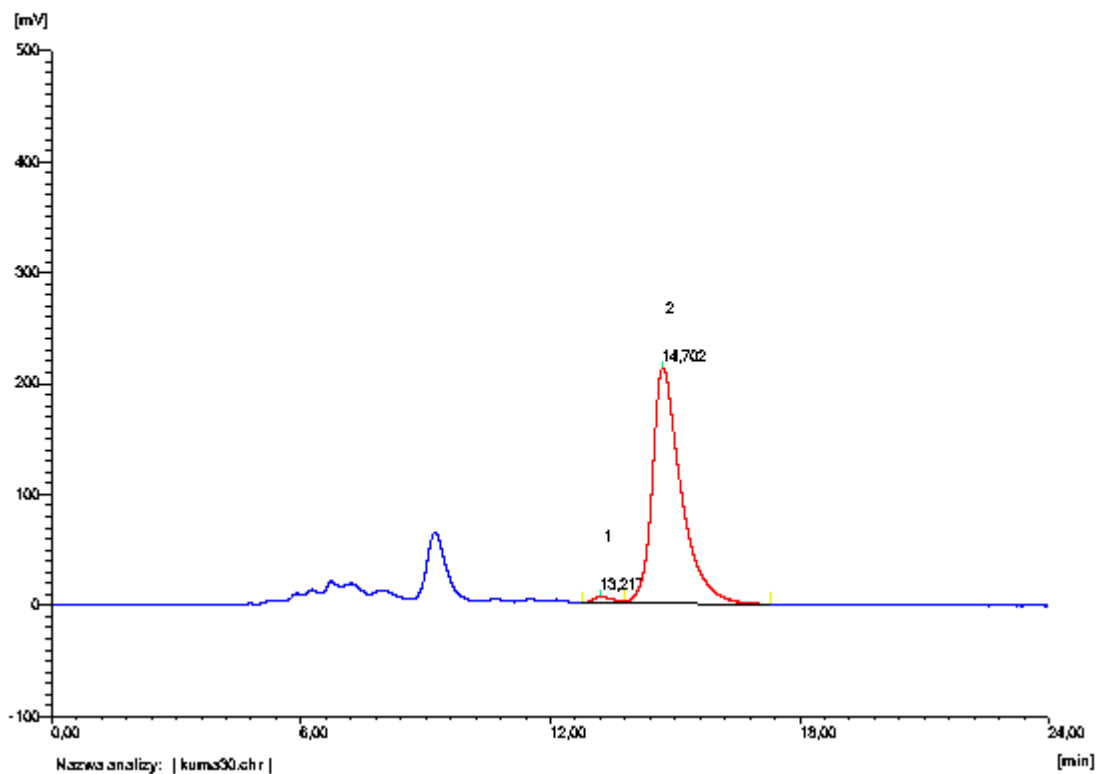
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μV 1/100 min]	UDZIAŁ % POWIERZCHNI
A1	12,665	7462601	98,399
A2	14,200	121434	1,601
SUMA		7584035	



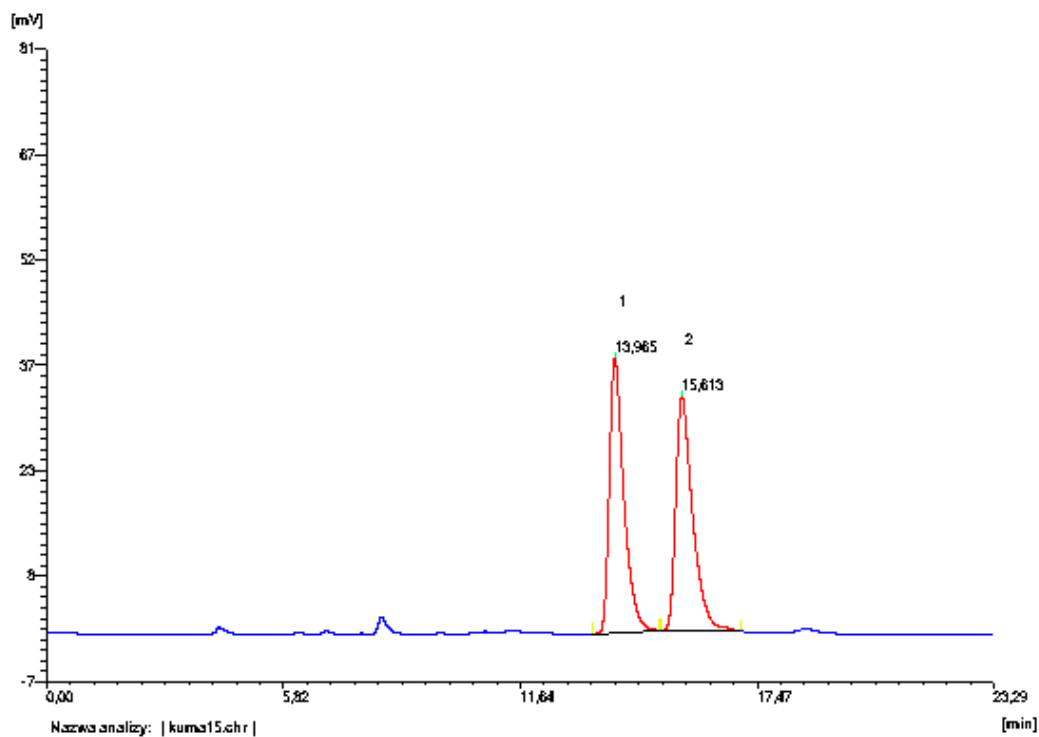
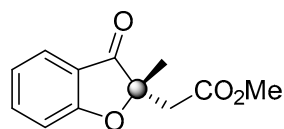
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μV 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	13,165	2974640	49,788
A/2	14,357	3000027	50,212
SUMA		5974667	



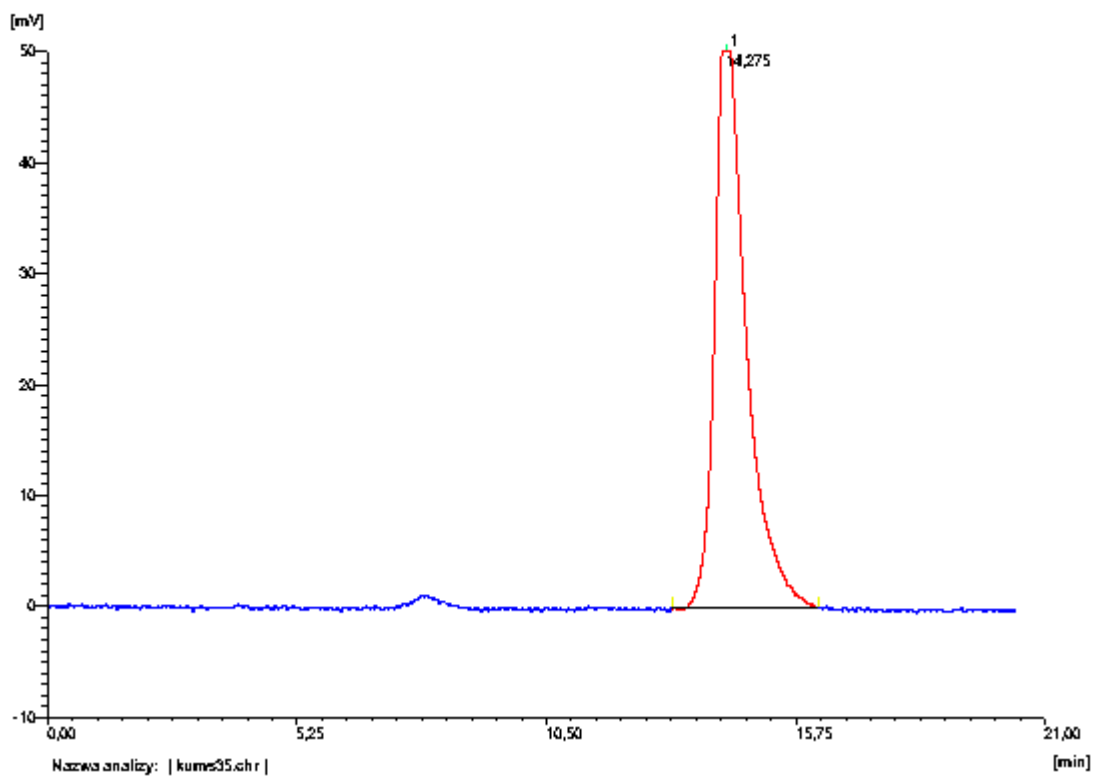
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μV 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	13,217	253624	1,479
A/2	14,702	16889927	98,521
SUMA		17143551	



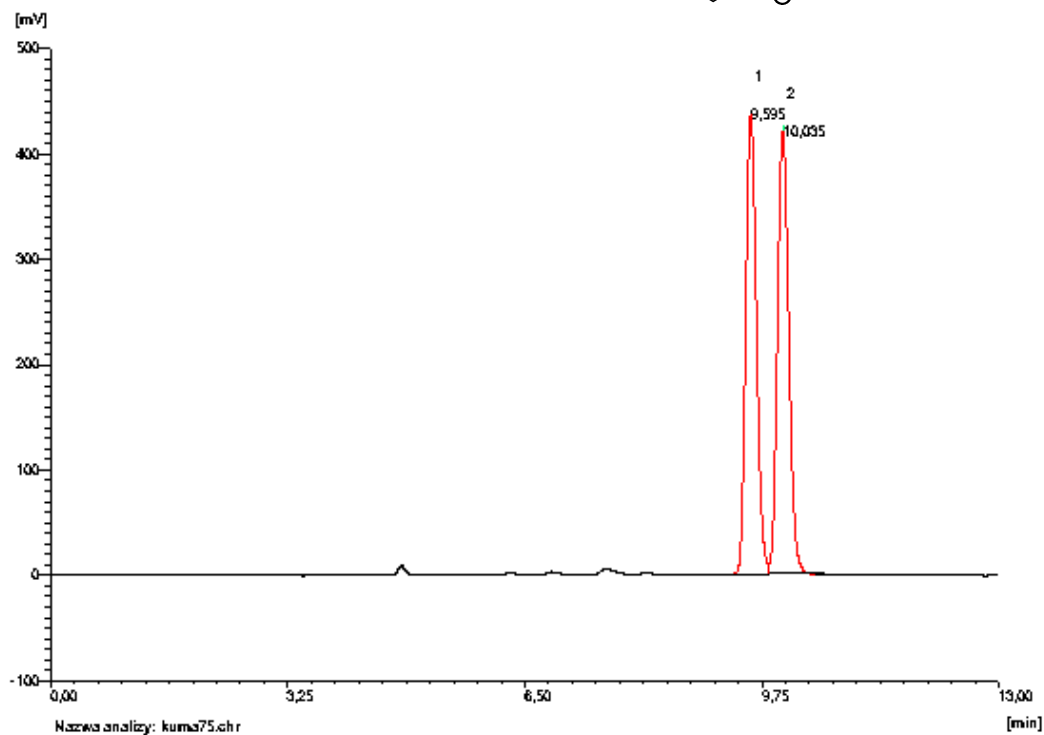
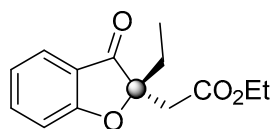
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μV 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	13,965	1570056	50,057
A/2	15,613	1566488	49,943
SUMA		3136544	



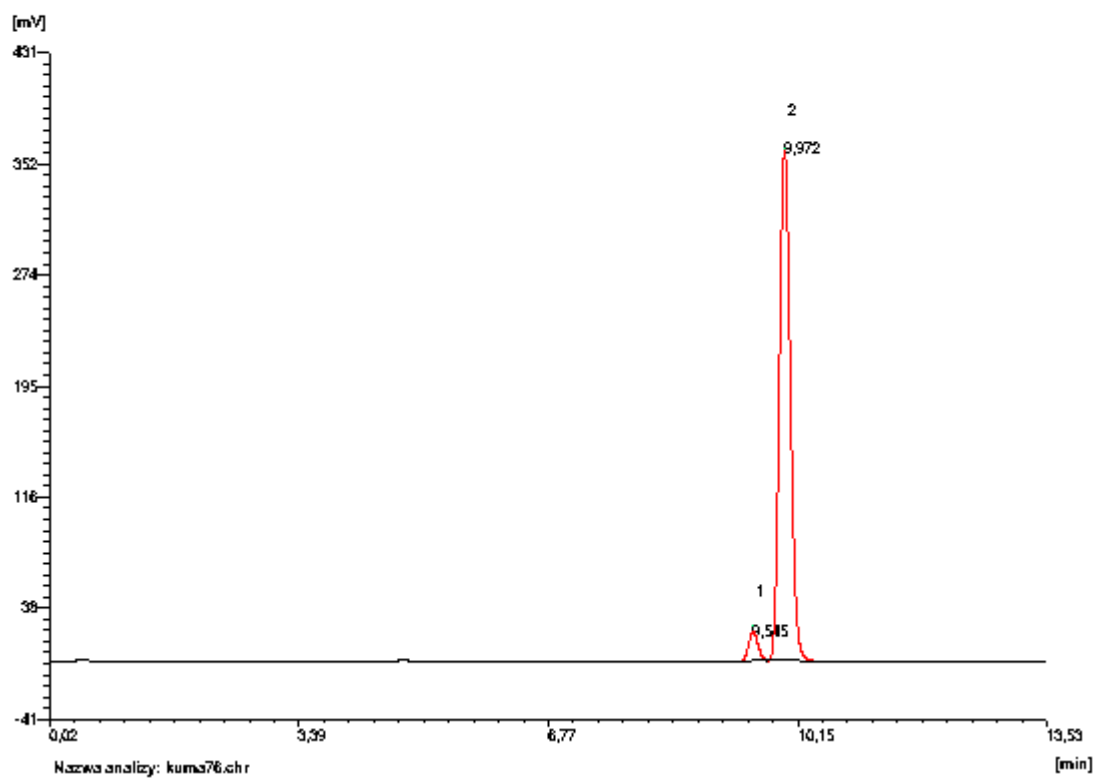
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μV 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	14,275	4035940	100,000
SUMA		4035940	



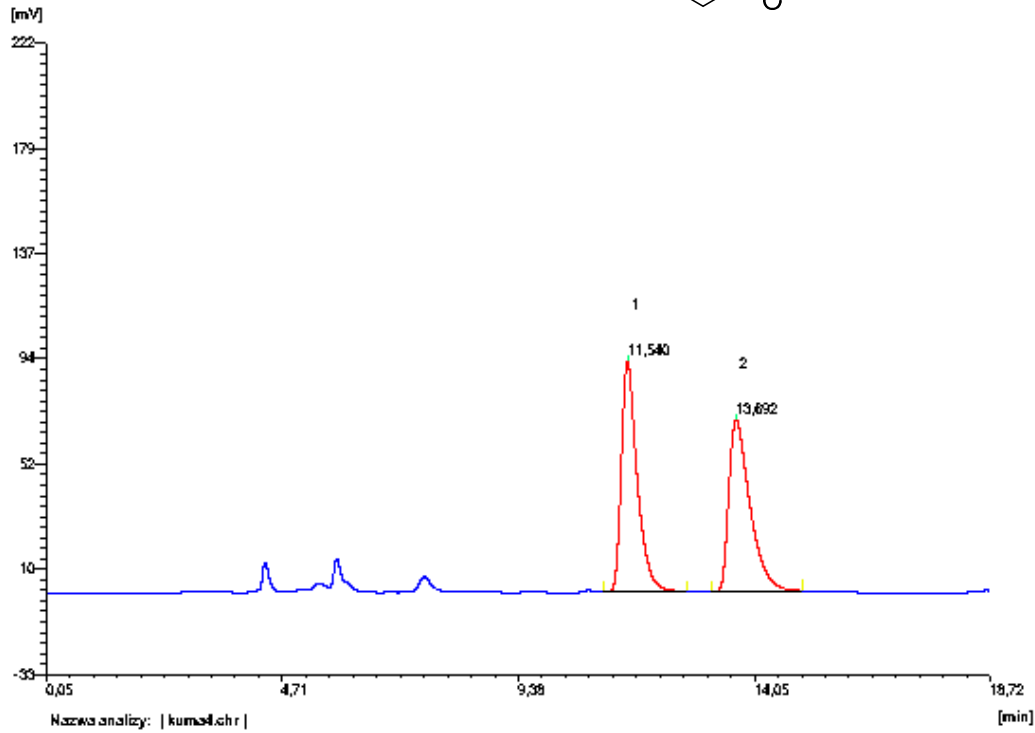
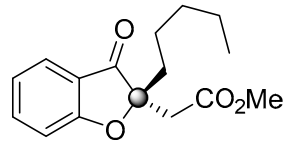
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μV 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	9,595	7395607	49,537
A/2	10,035	7539946	50,463
SUMA		14929553	



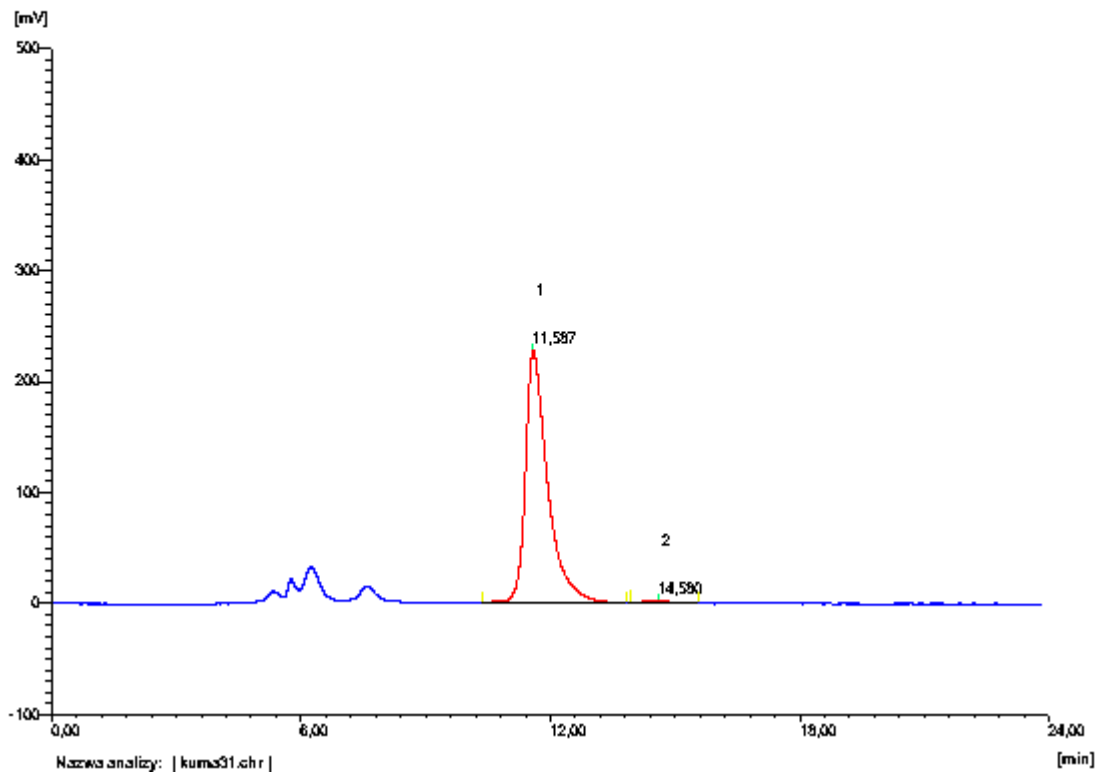
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μV 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	9,545	295085	4,533
A/2	9,972	6214100	95,467
SUMA		6509185	



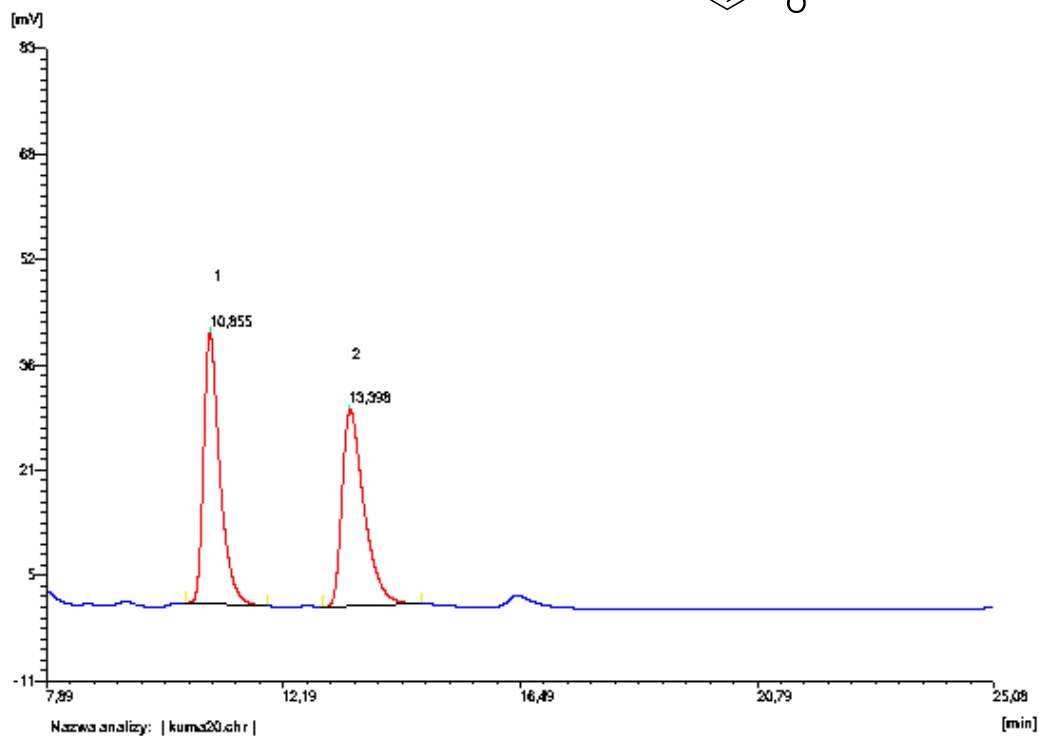
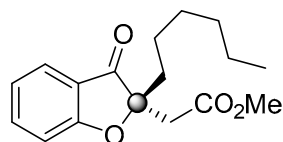
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μV 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	11,540	3382787	50,193
A/2	13,692	3356715	49,807
SUMA		6739502	



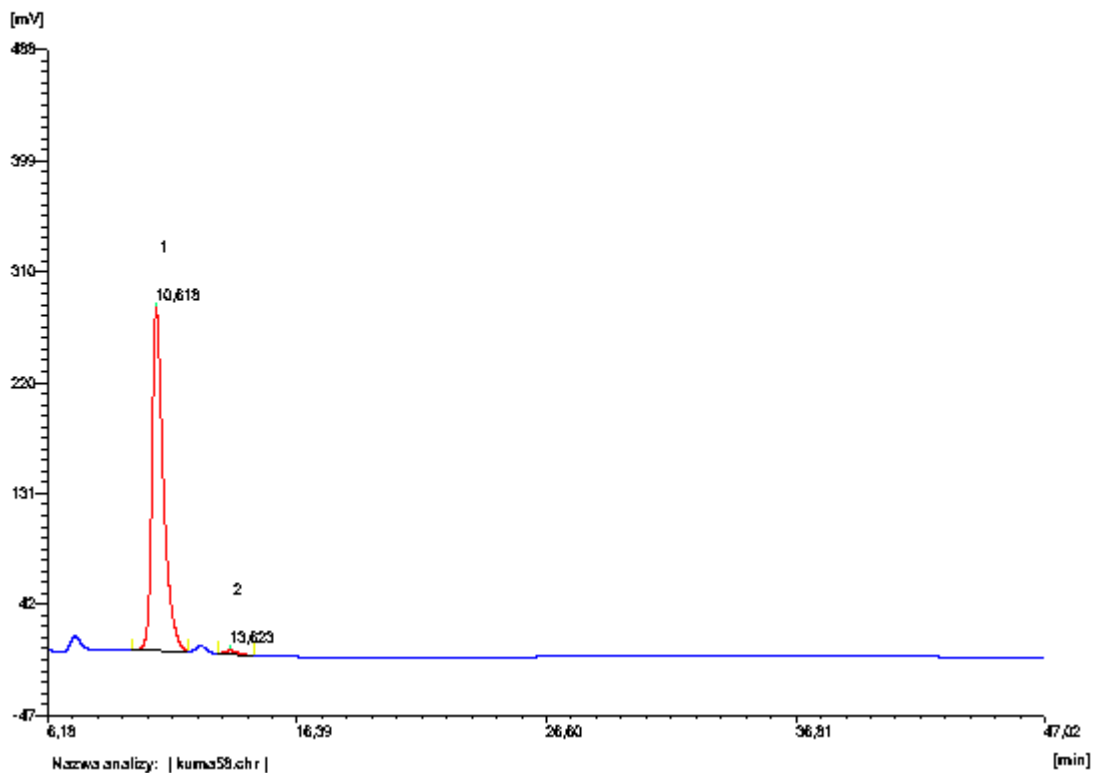
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μV 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	11,587	14144105	98,993
A/2	14,580	143949	1,007
SUMA		14288054	



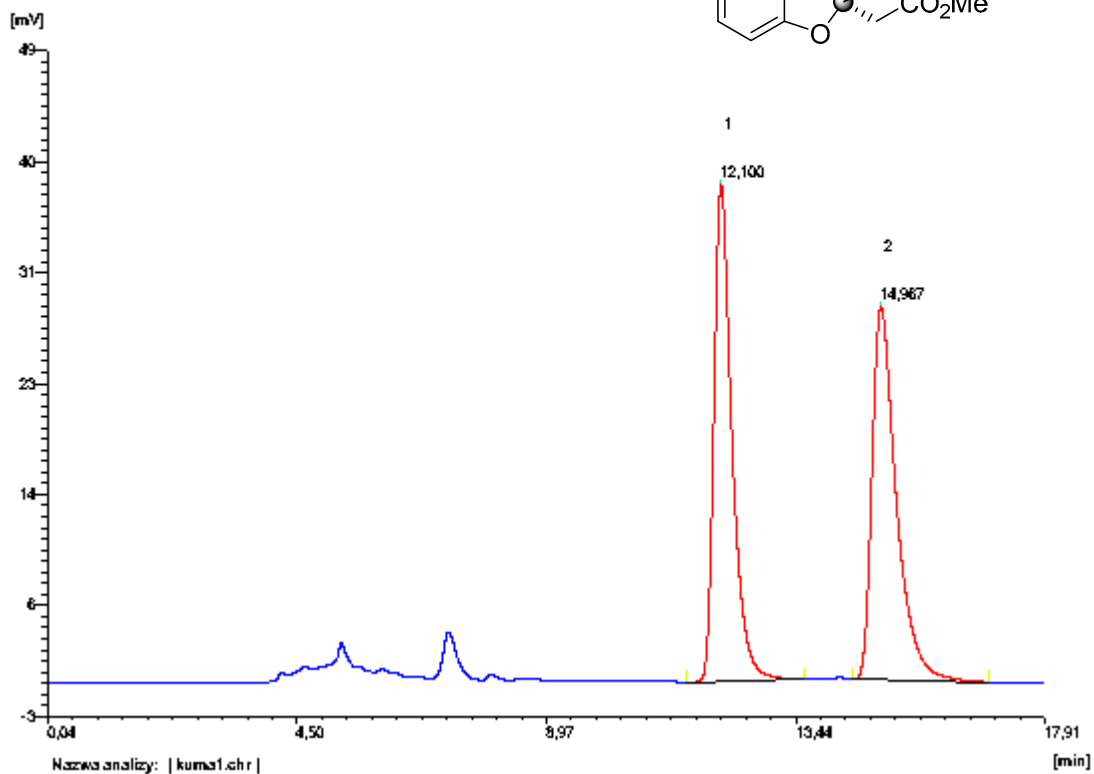
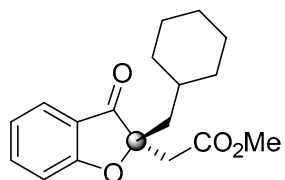
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μV 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	10,855	1374628	50,370
A/2	13,398	1354435	49,630
SUMA		2729063	



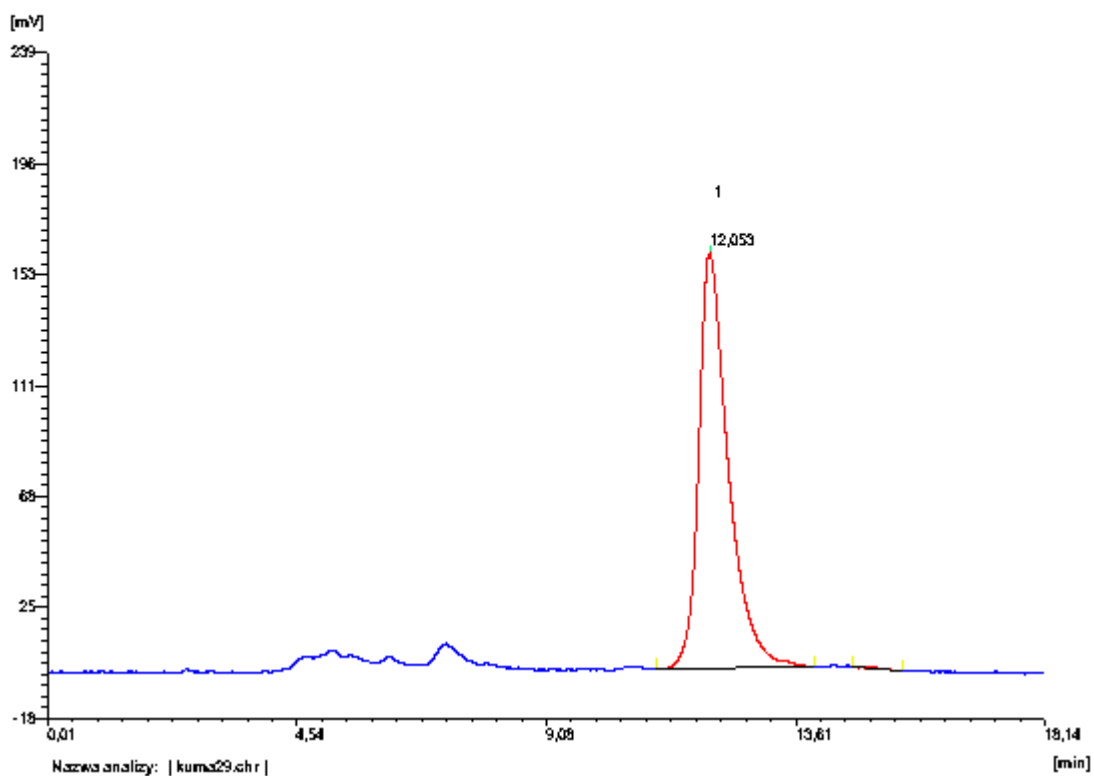
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μV 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	10,618	14921428	98,755
A/2	13,623	188043	1,245
SUMA		15109471	



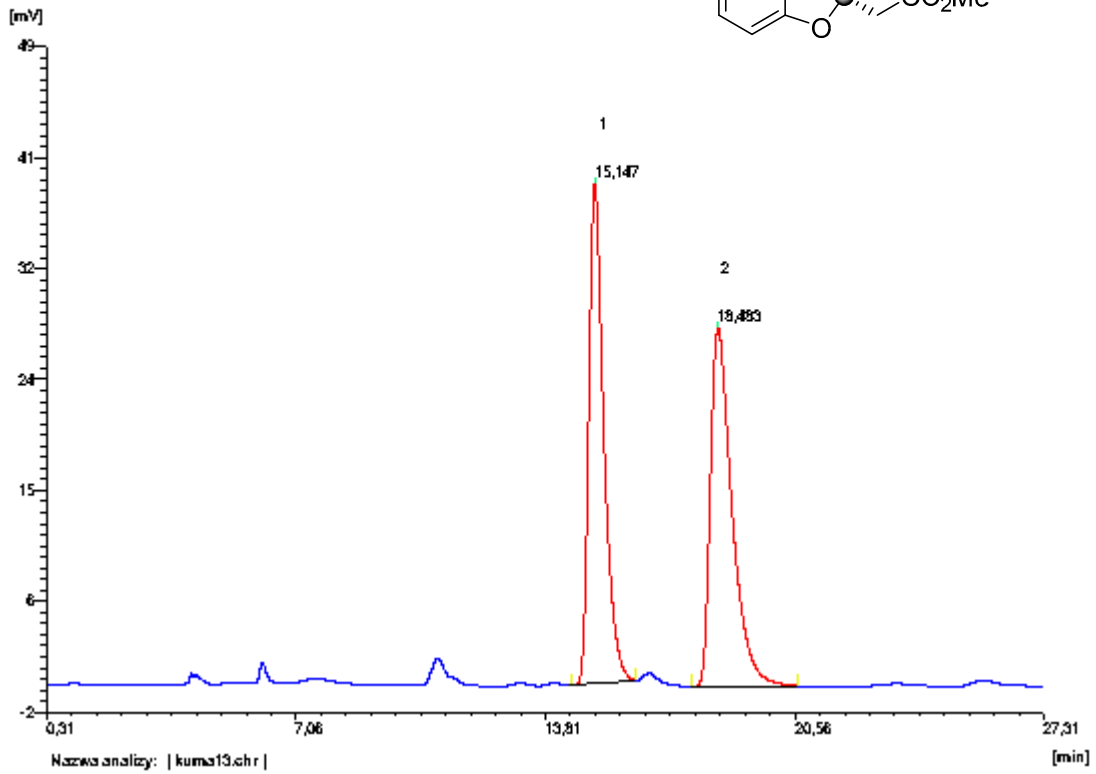
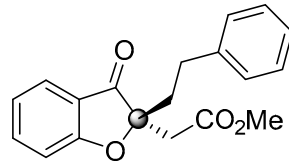
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μV 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	12,100	1426318	49,654
A/2	14,967	1446172	50,346
SUMA		2872490	



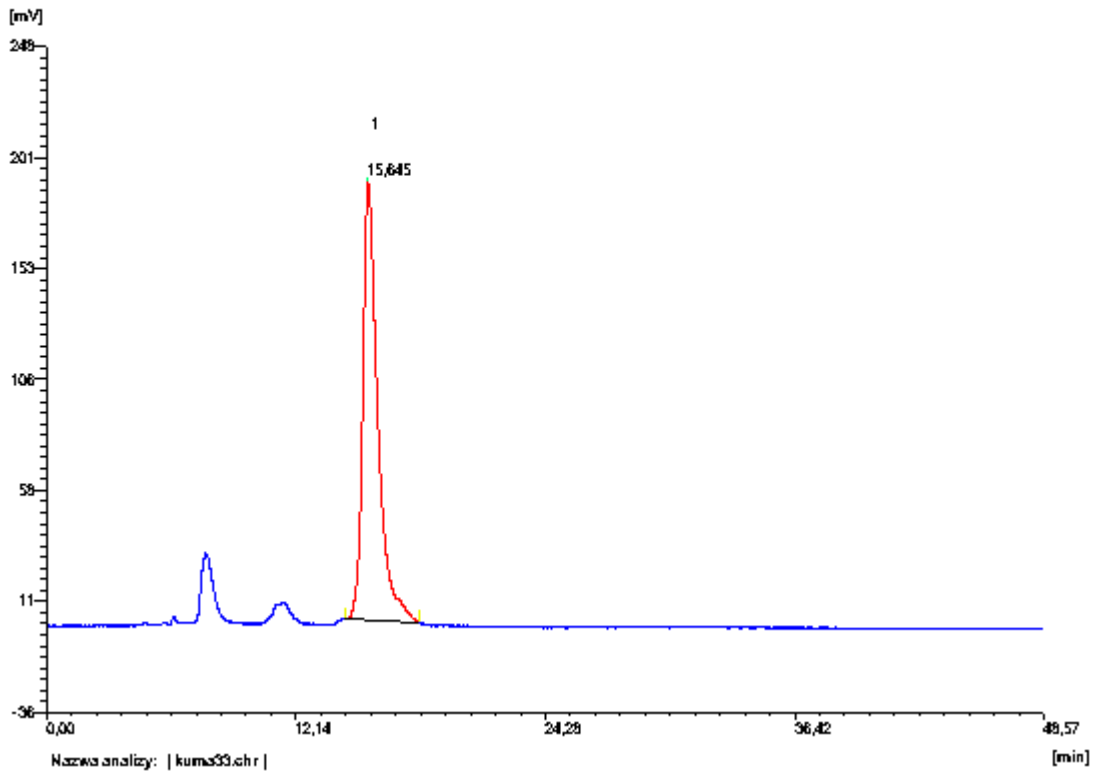
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μV 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	12,053	10048259	99,788
A/2	14,637	21358	0,212
SUMA		10069617	



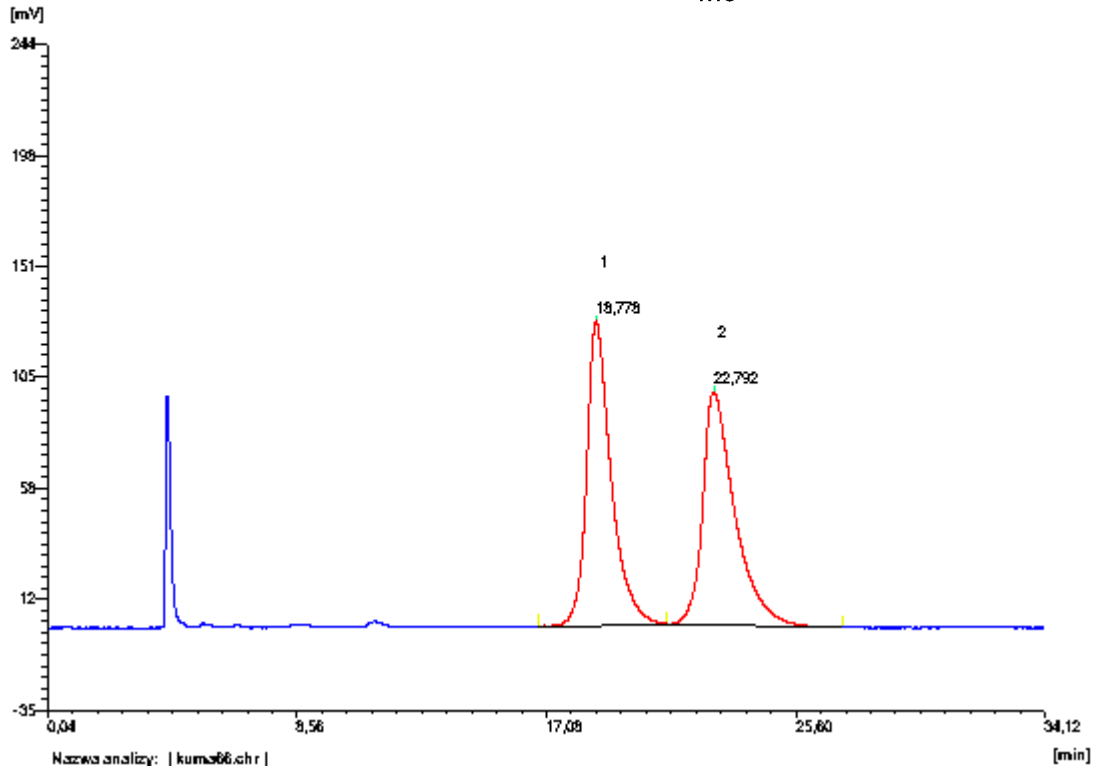
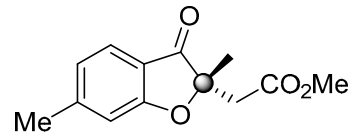
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μ V 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	15,147	1821976	49,321
A/2	18,483	1872128	50,679
SUMA		3694104	



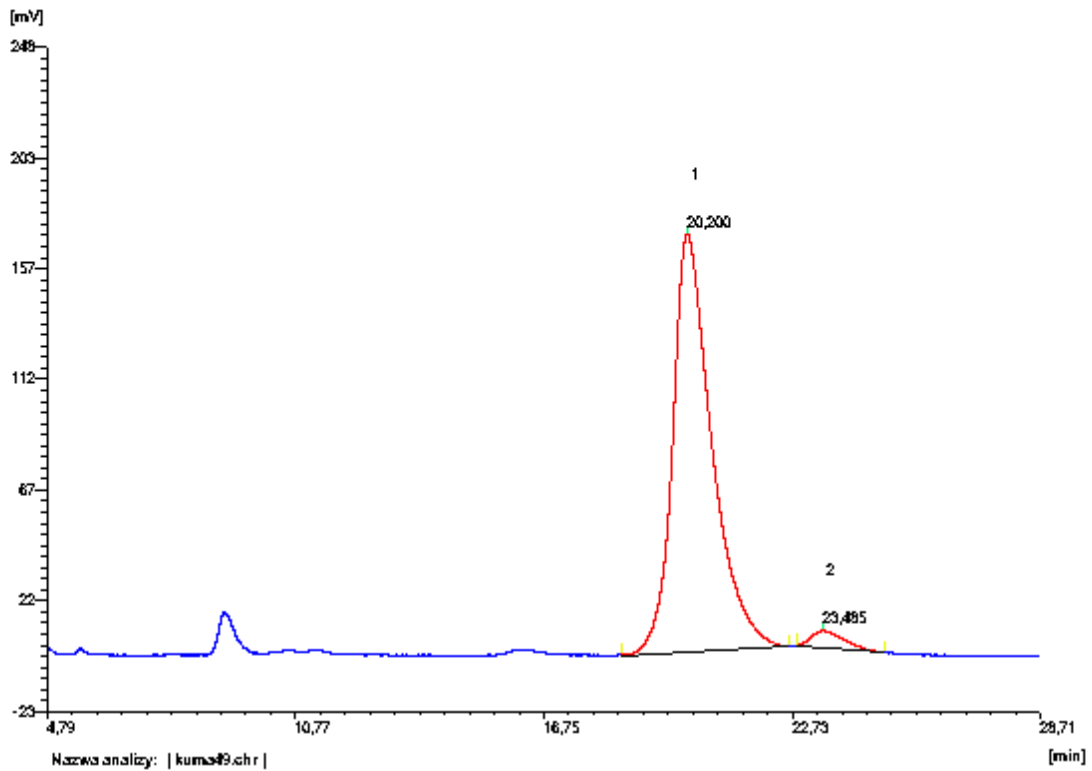
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μ V 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	15,645	15782288	100,000
SUMA		15782288	



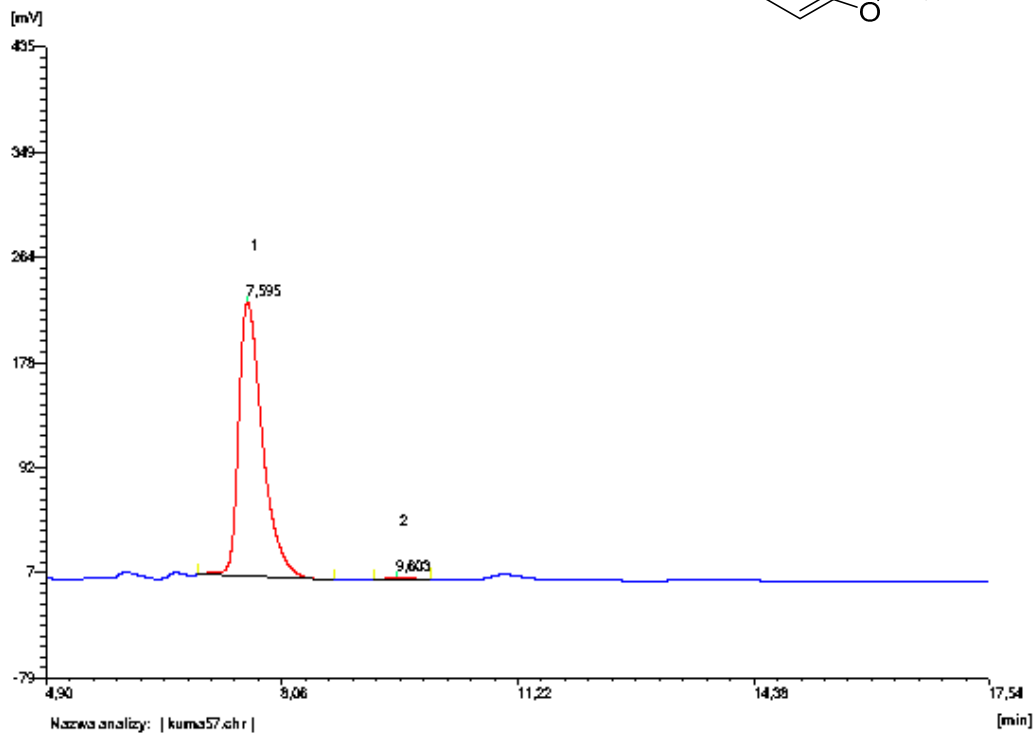
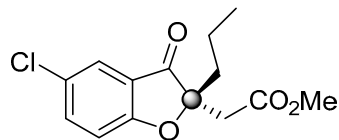
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μ V 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	18,778	12355580	49,845
A/2	22,792	12492351	50,155
SUMA		24787931	



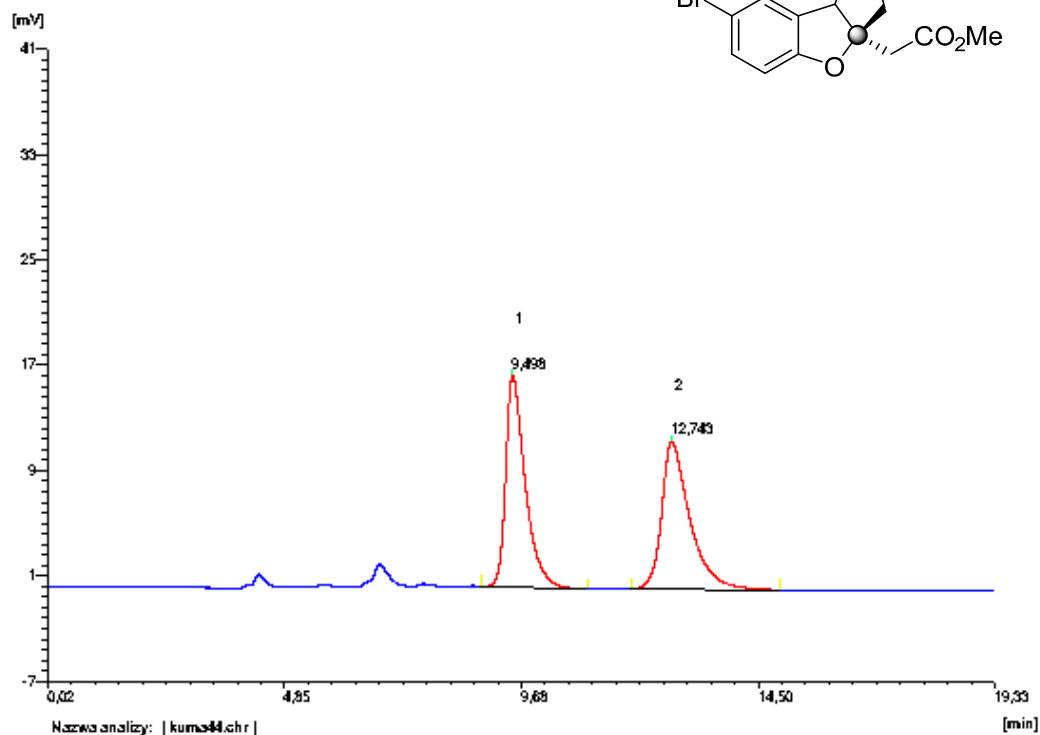
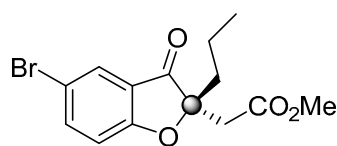
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μ V 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	20,200	18592393	96,559
A/2	23,485	662561	3,441
SUMA		19254954	



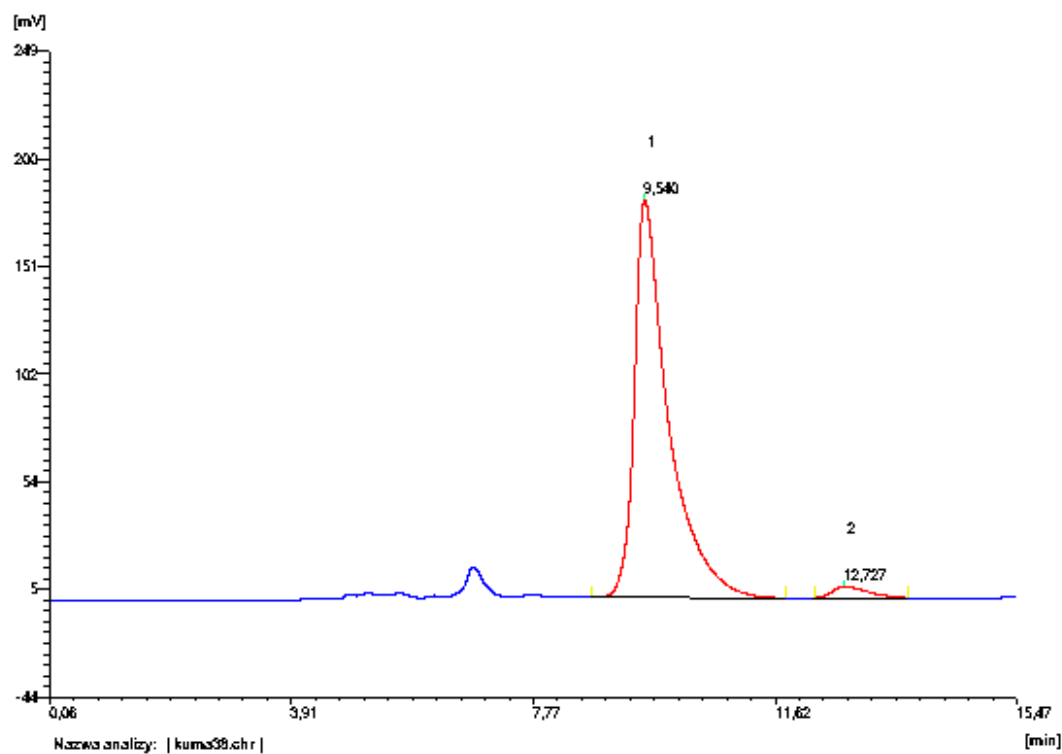
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μV 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	7,595	8310735	99,231
A/2	9,603	64388	0,769
SUMA		8375123	



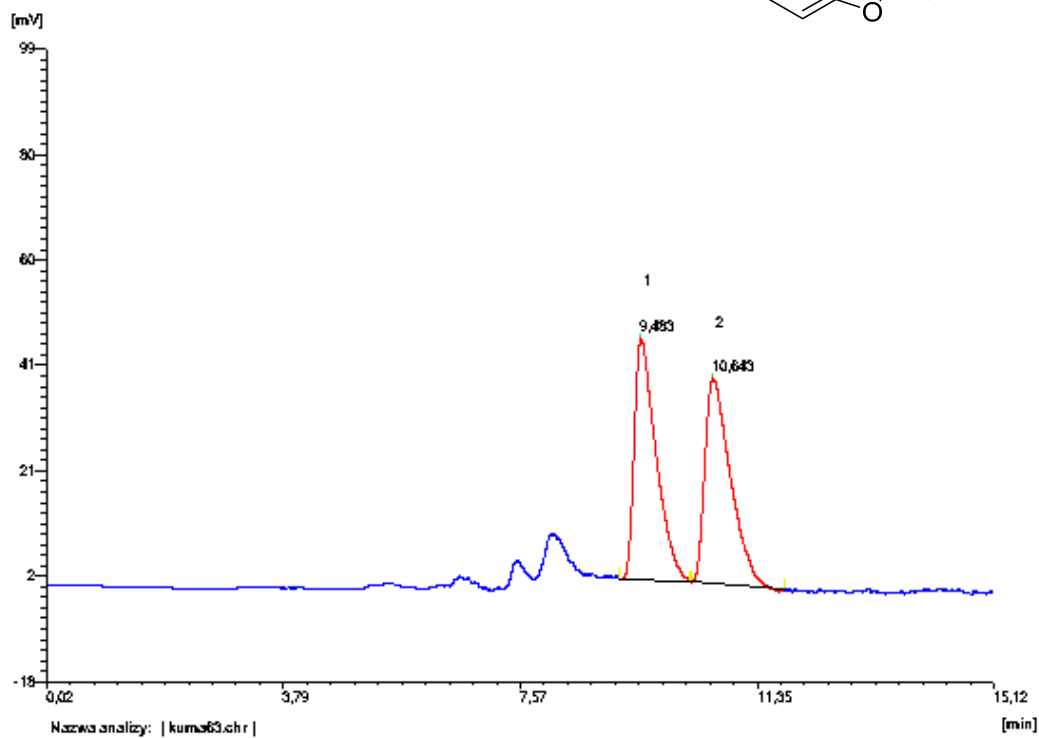
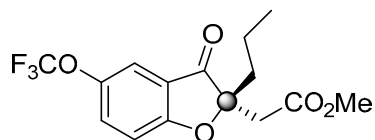
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μ V 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	9,498	747463	49,506
A/2	12,743	762367	50,494
SUMA		1509830	



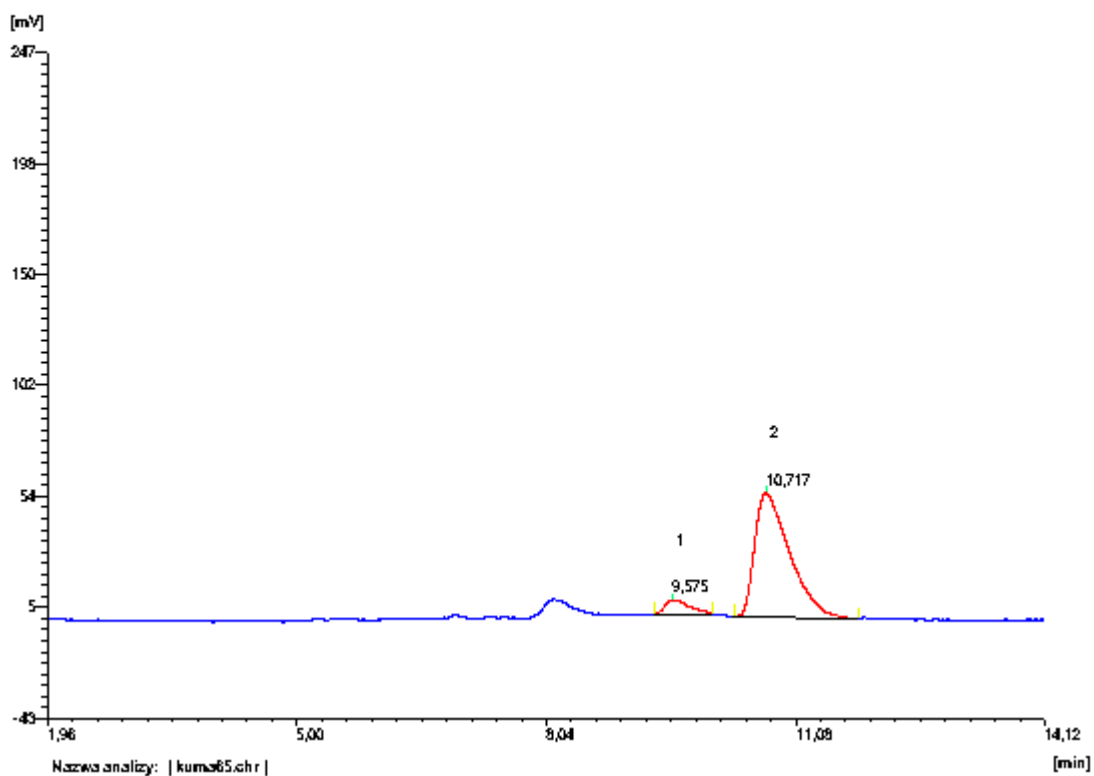
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μ V 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	9,540	11392327	97,107
A/2	12,727	339435	2,893
SUMA		11731762	



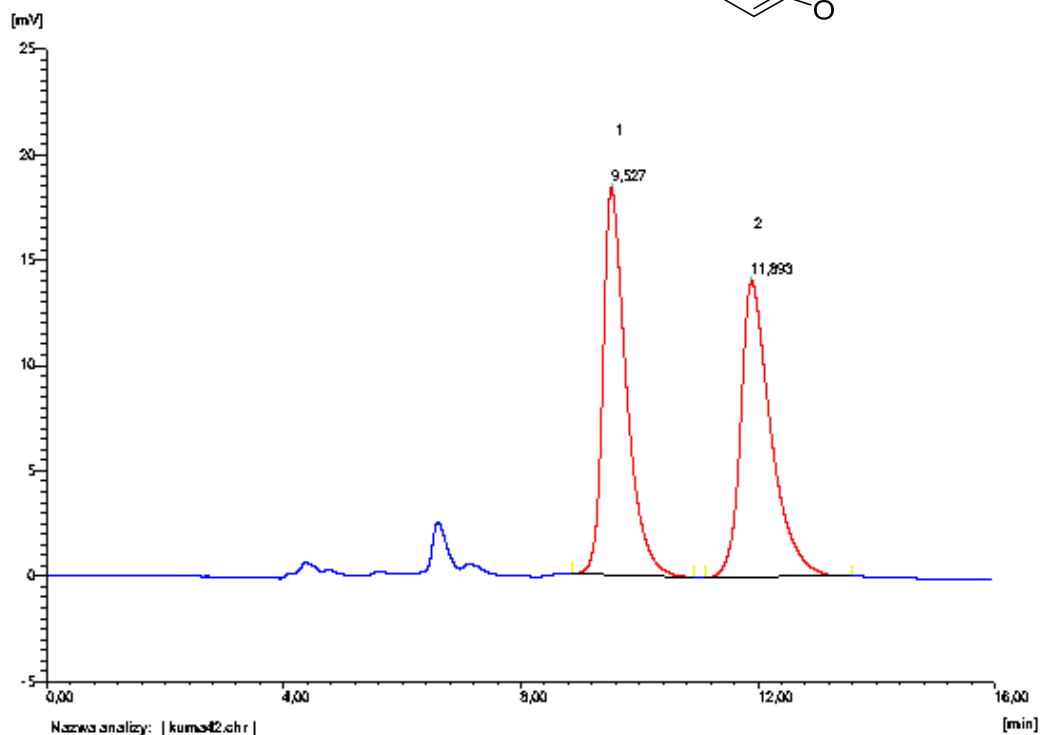
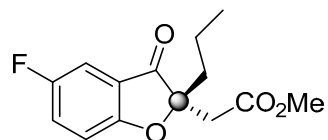
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μ V 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	9,483	1803579	49,875
A/2	10,643	1812588	50,125
SUMA		3616167	



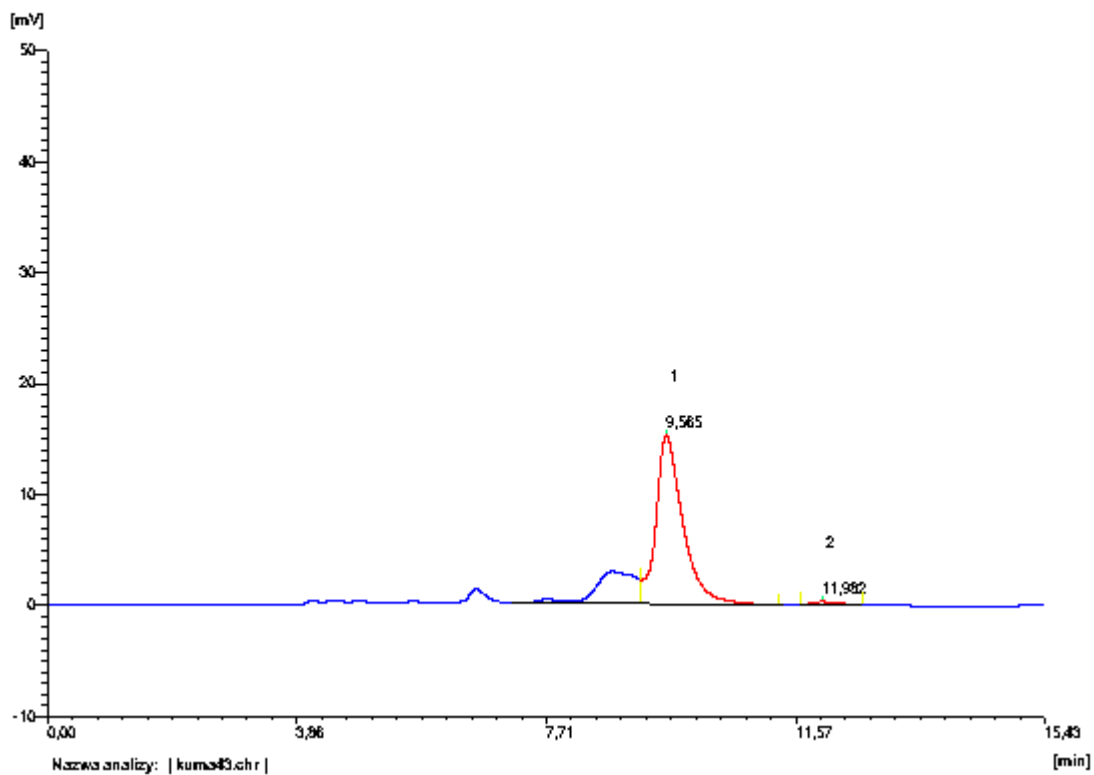
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μ V 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	9,575	218192	7,578
A/2	10,717	2661266	92,422
SUMA		2879458	



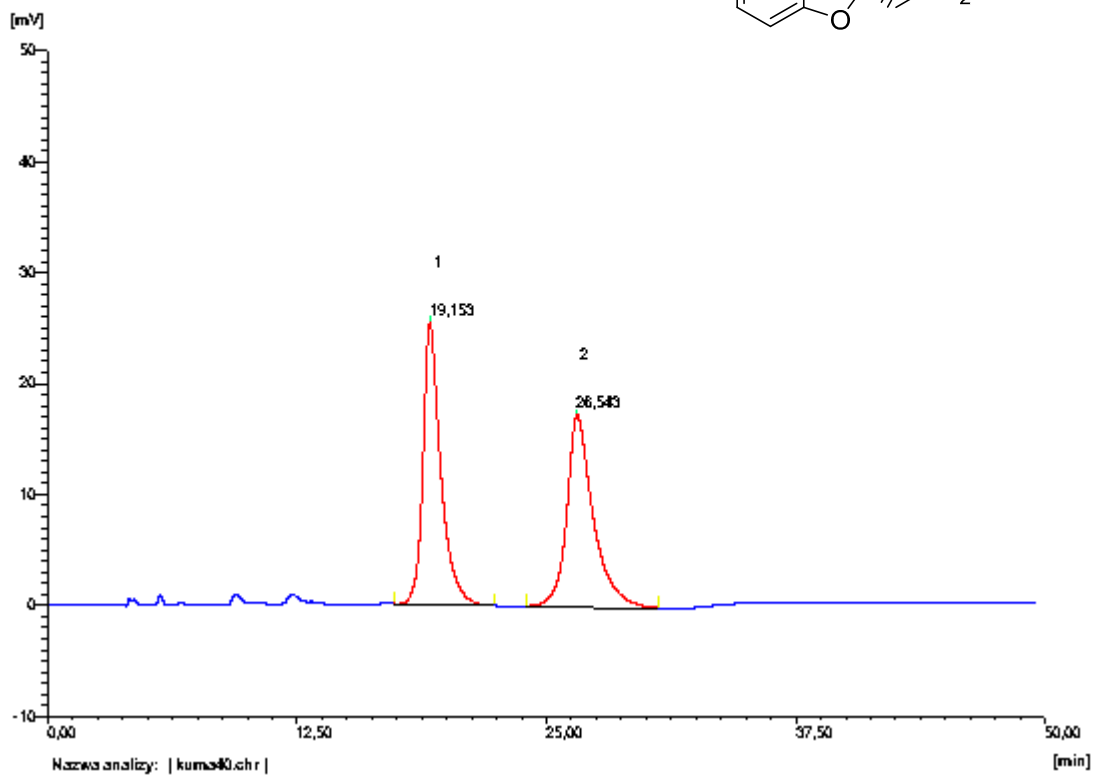
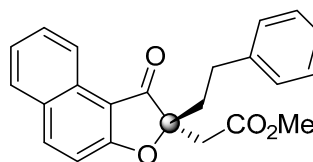
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μ V 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	9,527	835242	50,249
A/2	11,893	826977	49,751
SUMA		1662219	



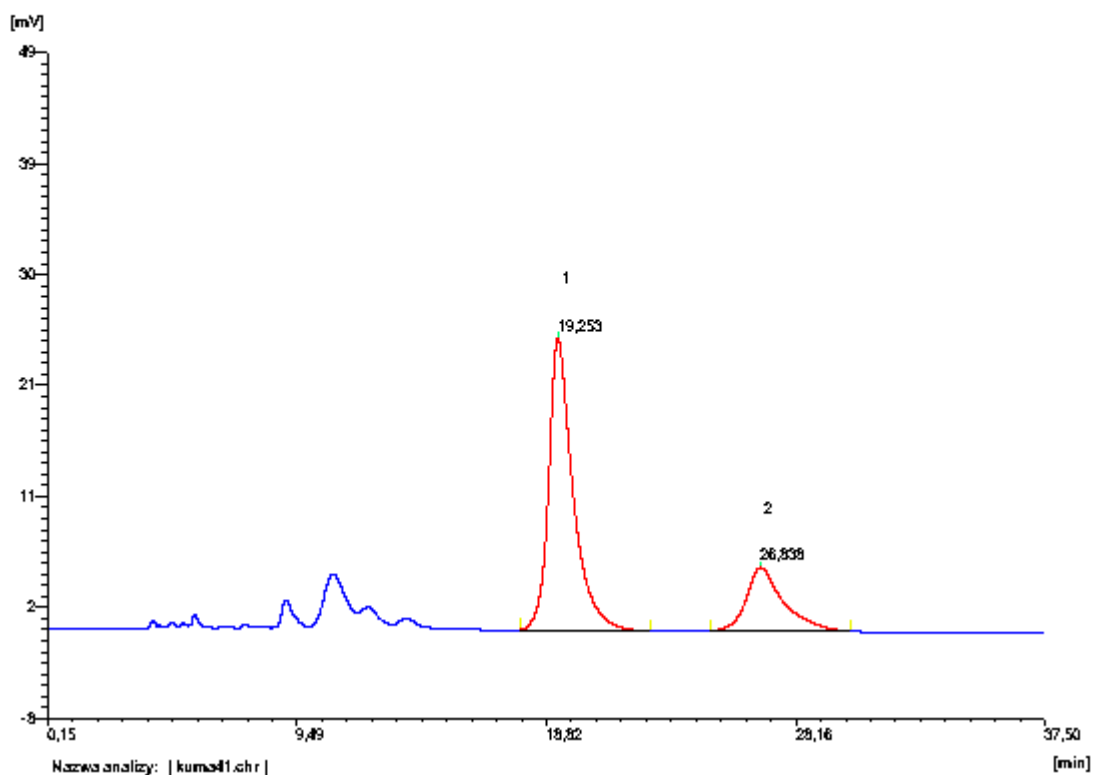
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μ V 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	9,565	733481	98,360
A/2	11,982	12226	1,640
SUMA		745707	



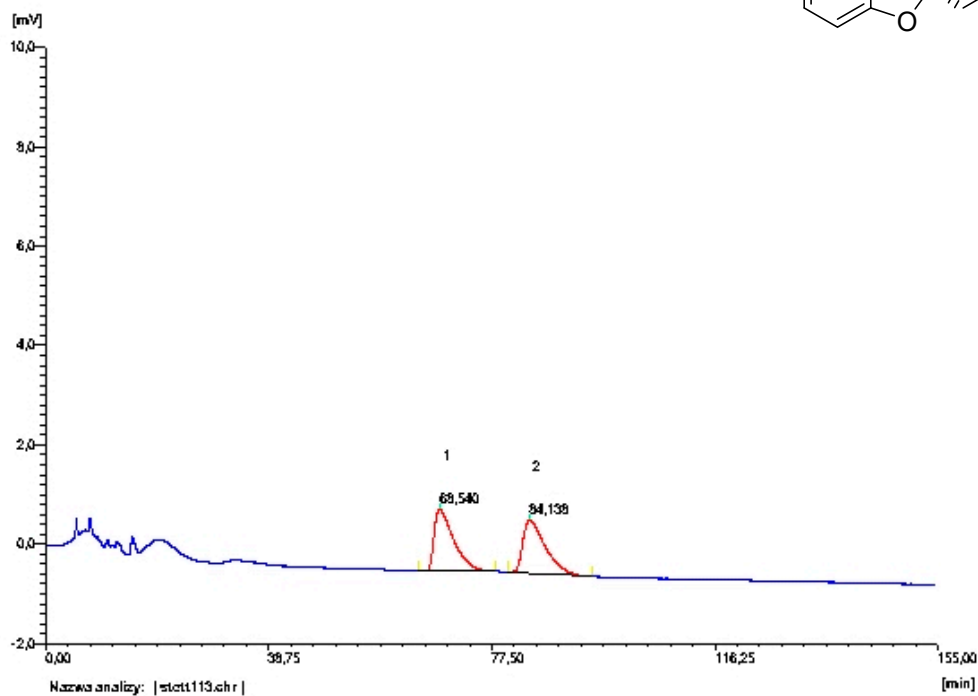
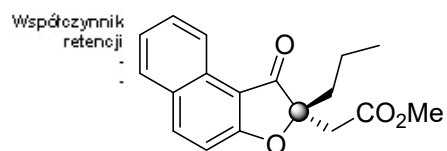
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μV 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	19,153	2624437	49,743
A/2	26,543	2651537	50,257
SUMA		5275974	



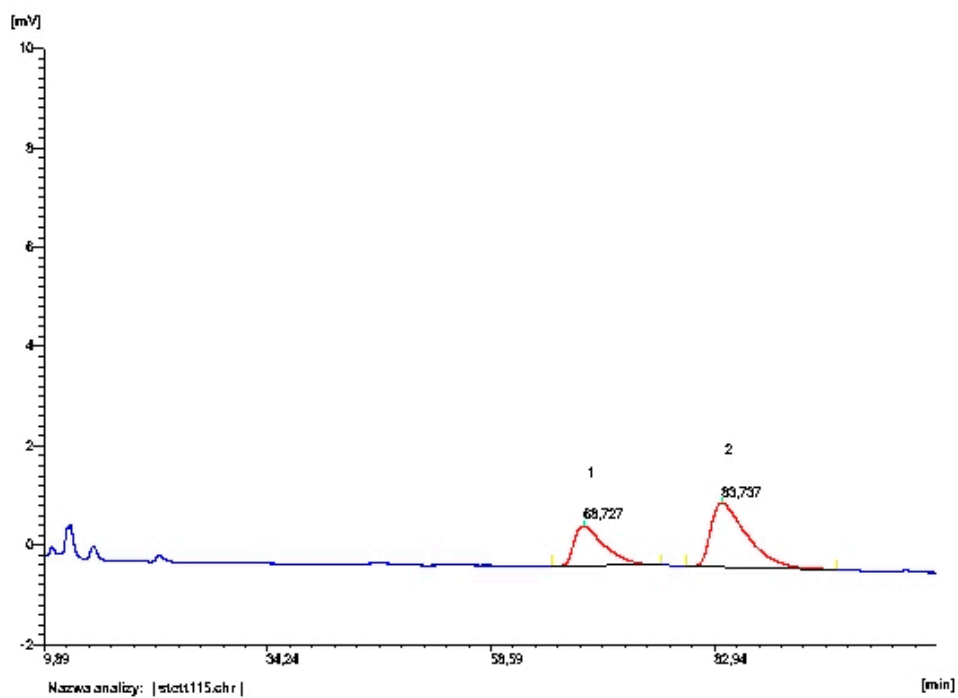
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μV 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	19,253	2624453	75,214
A/2	26,838	864864	24,786
SUMA		3489317	



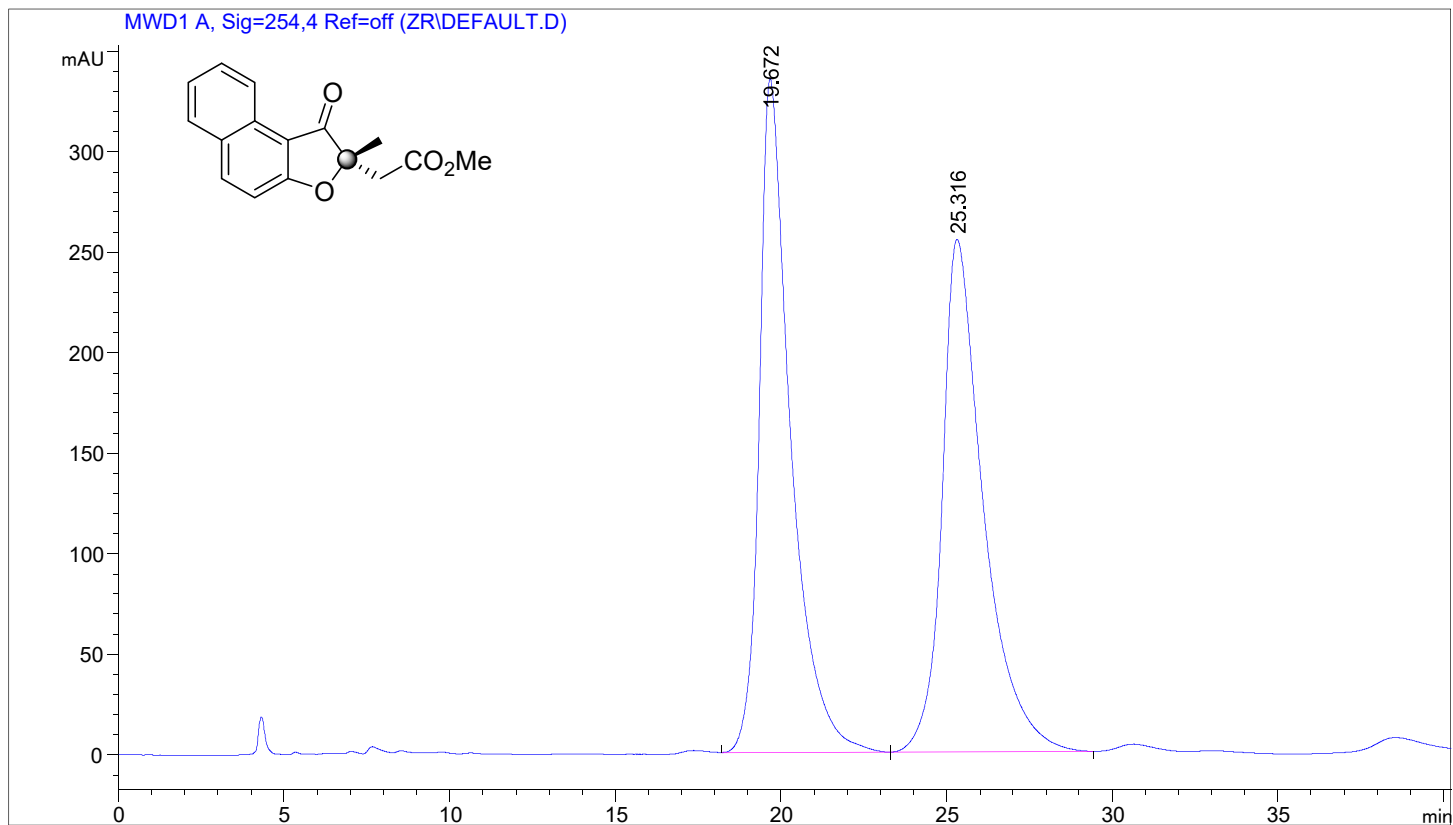
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μ V 1/100 min]	UDZIAŁ % POWIERZCHNI	Współczynnik retencji
A1	68,540	491316	50,548	-
A2	84,138	480659	49,452	-
SUMA		971975		



NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μ V 1/100 min]	UDZIAŁ % POWIERZCHNI	Współczynnik retencji
A1	68,727	298335	34,237	-
A2	83,737	573035	65,763	-
SUMA		871370		



MWD1 A, Sig=254,4 Ref=off (ZRDEFAULT.D)



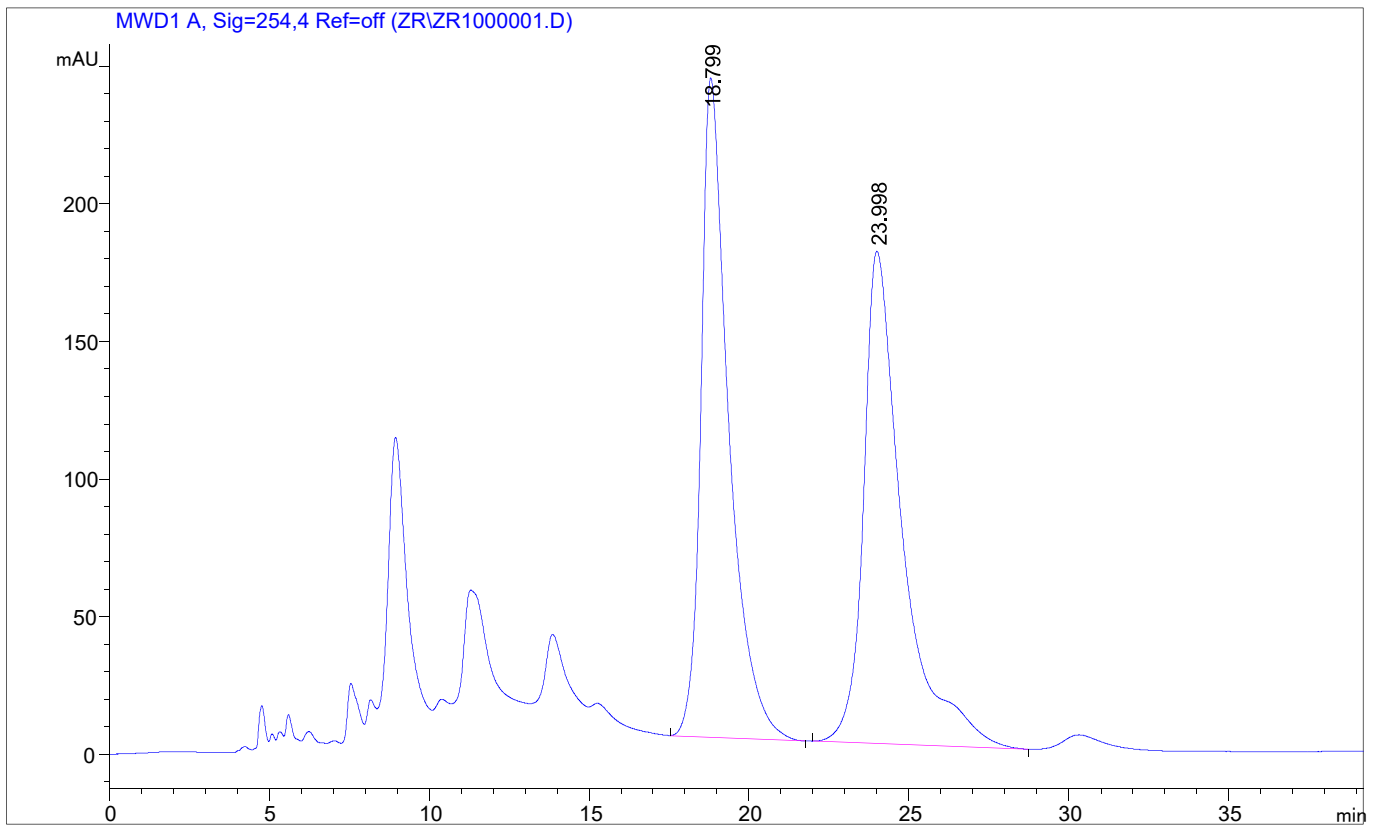
=====
Area Percent Report
=====

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	19.672	BB	0.9496	2.20984e4	334.99841	49.9652
2	25.316	BB	1.2602	2.21292e4	255.05357	50.0348

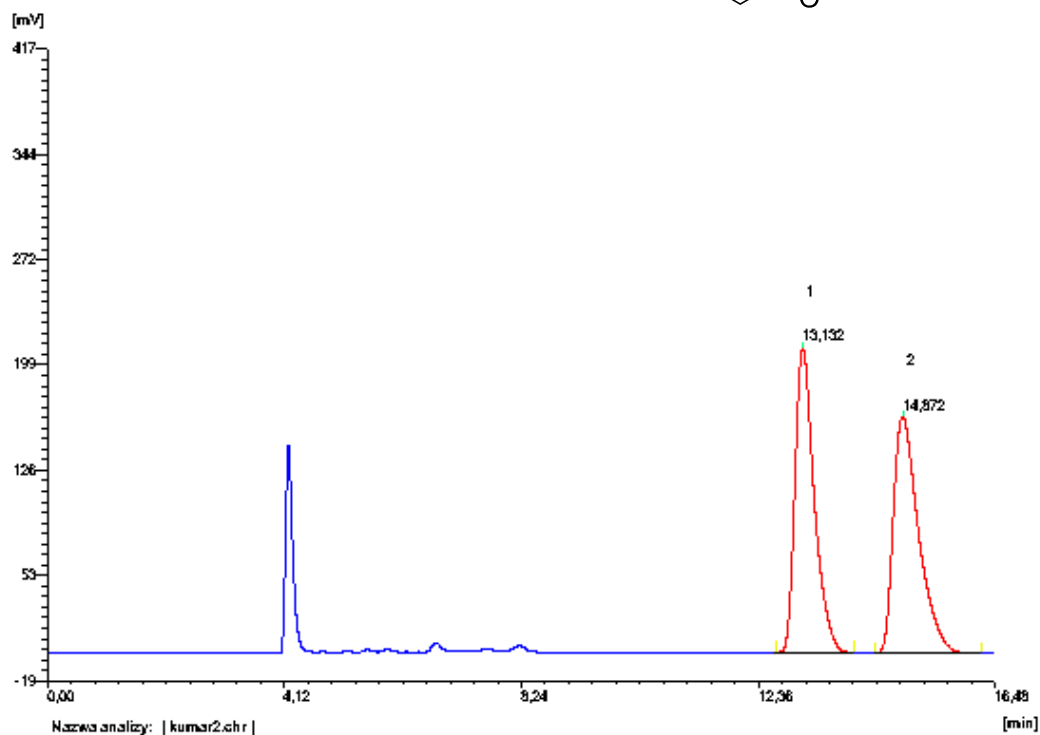
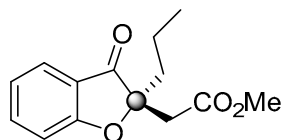
=====
Area Percent Report
=====

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	18.799	BB	0.8777	1.44852e4	239.47316	48.9825
2	23.998	BB	1.2021	1.50870e4	178.85777	51.0175

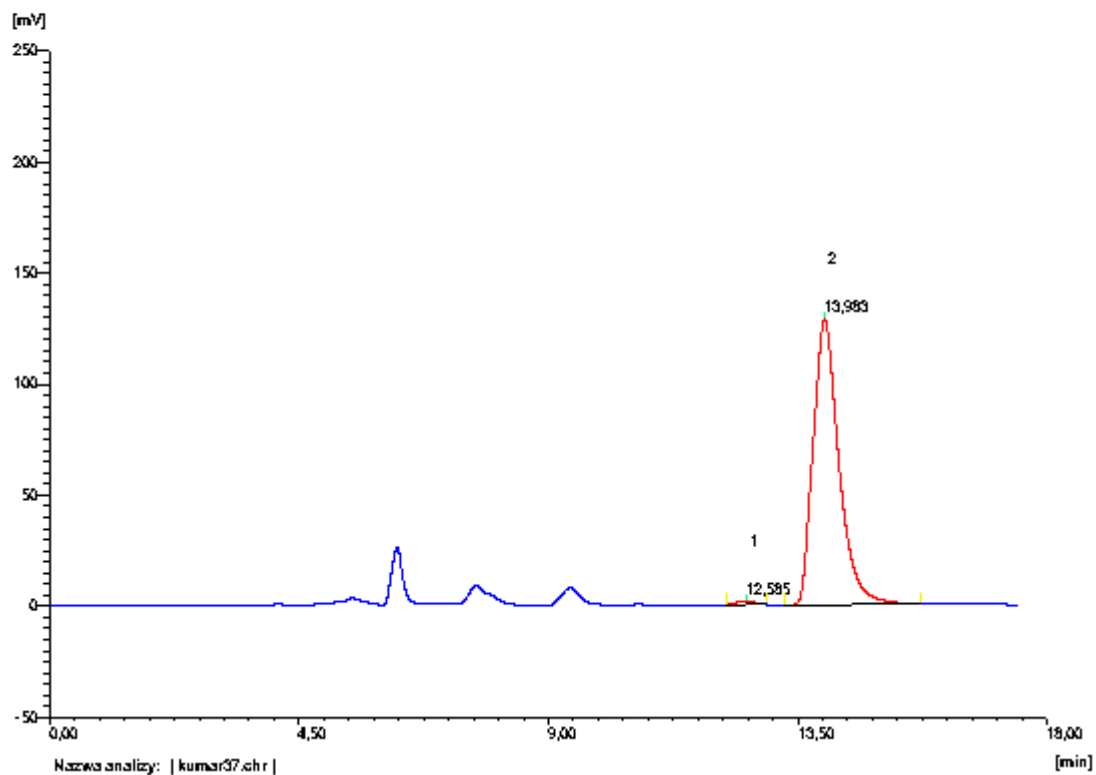
Totals : 2.95722e4 418.33093



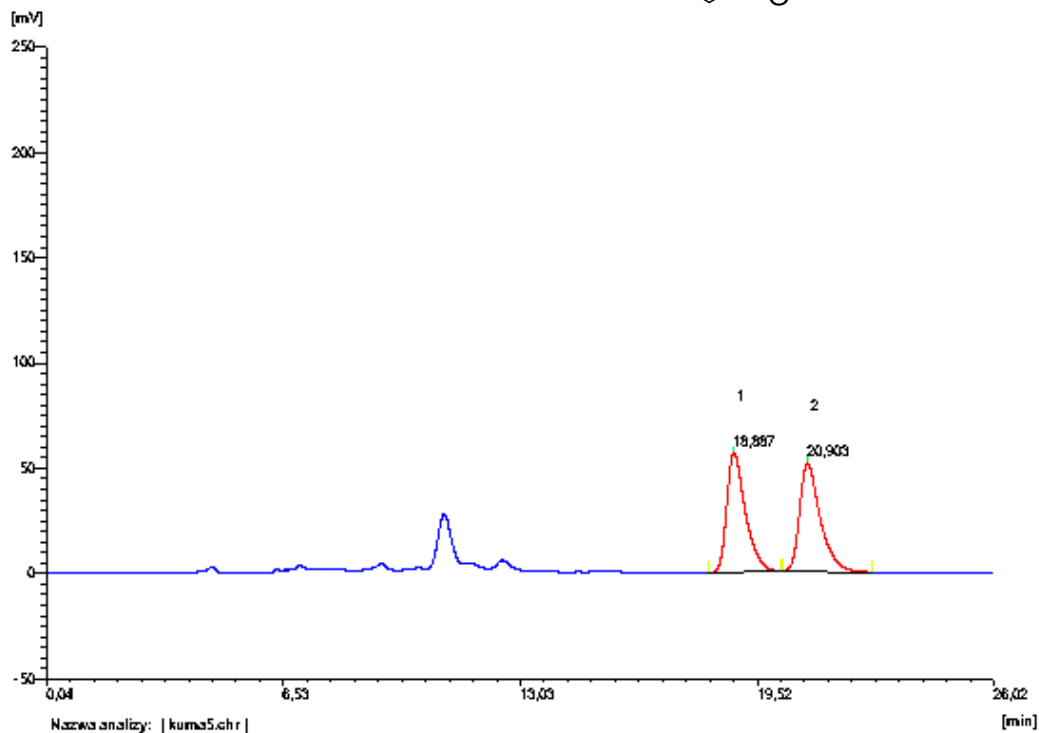
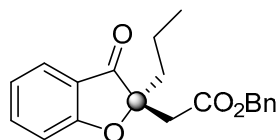
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μV 1/100 min]	UDZIAŁ % POWIERZCHNI
A1	13,132	8166252	49,547
A2	14,872	8315562	50,453
SUMA		16481814	



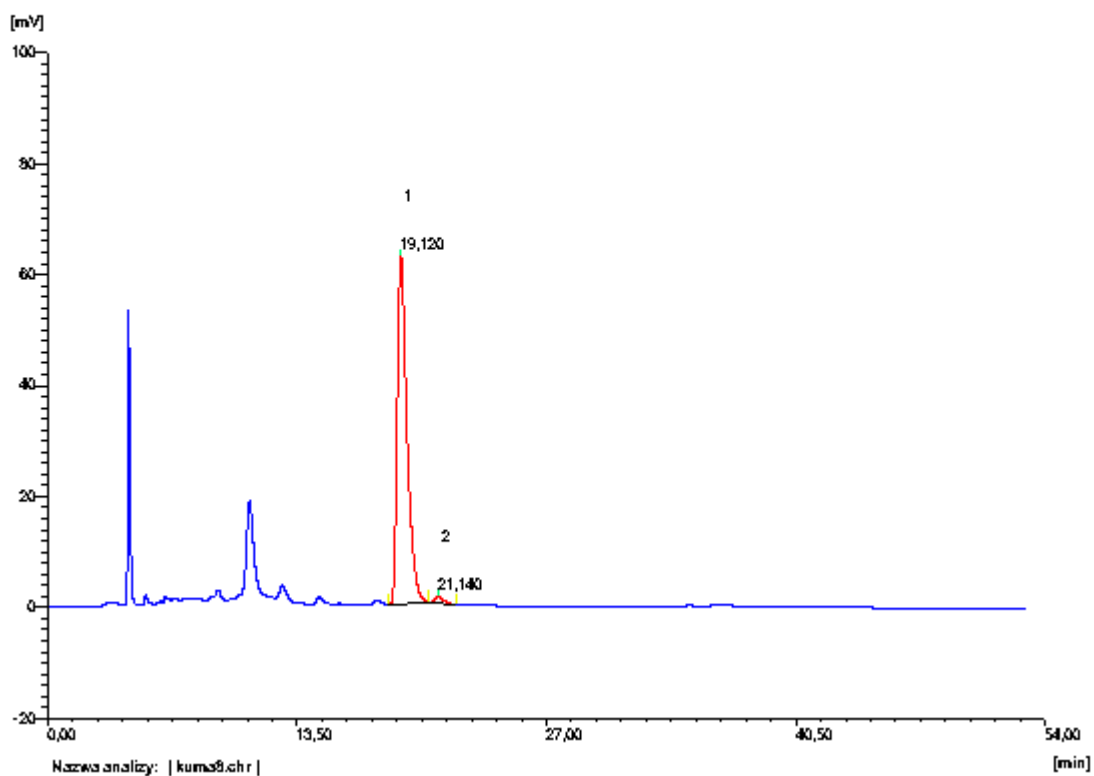
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μV 1/100 min]	UDZIAŁ % POWIERZCHNI
A1	12,585	58480	0,838
A2	13,983	6920828	99,162
SUMA		6979308	



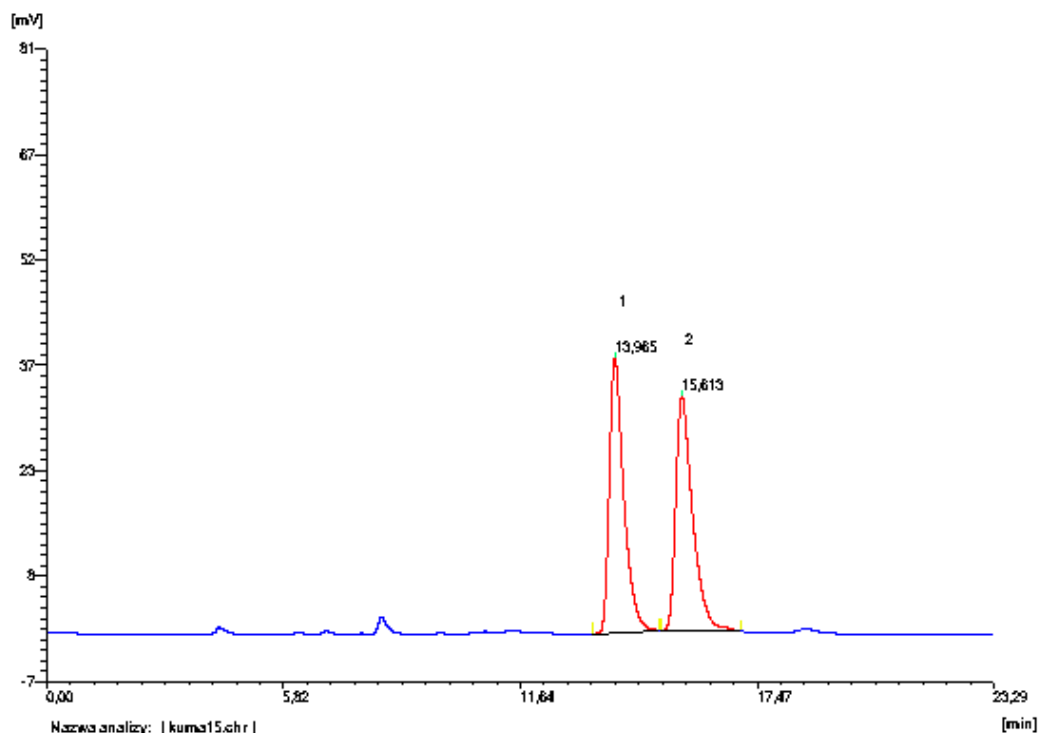
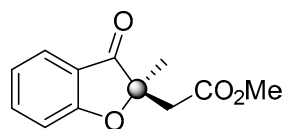
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μV 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	18,887	3334966	49,803
A/2	20,903	3361337	50,197
SUMA		6696303	



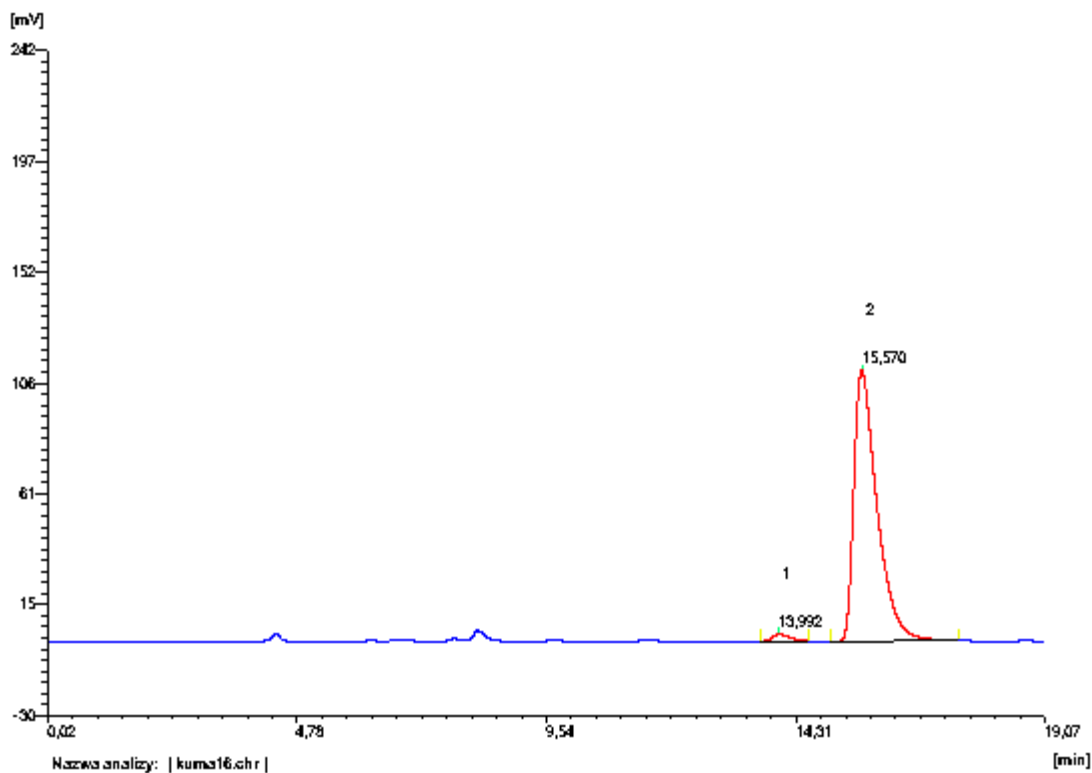
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μV 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	19,120	3840788	98,297
A/2	21,140	66538	1,703
SUMA		3907326	



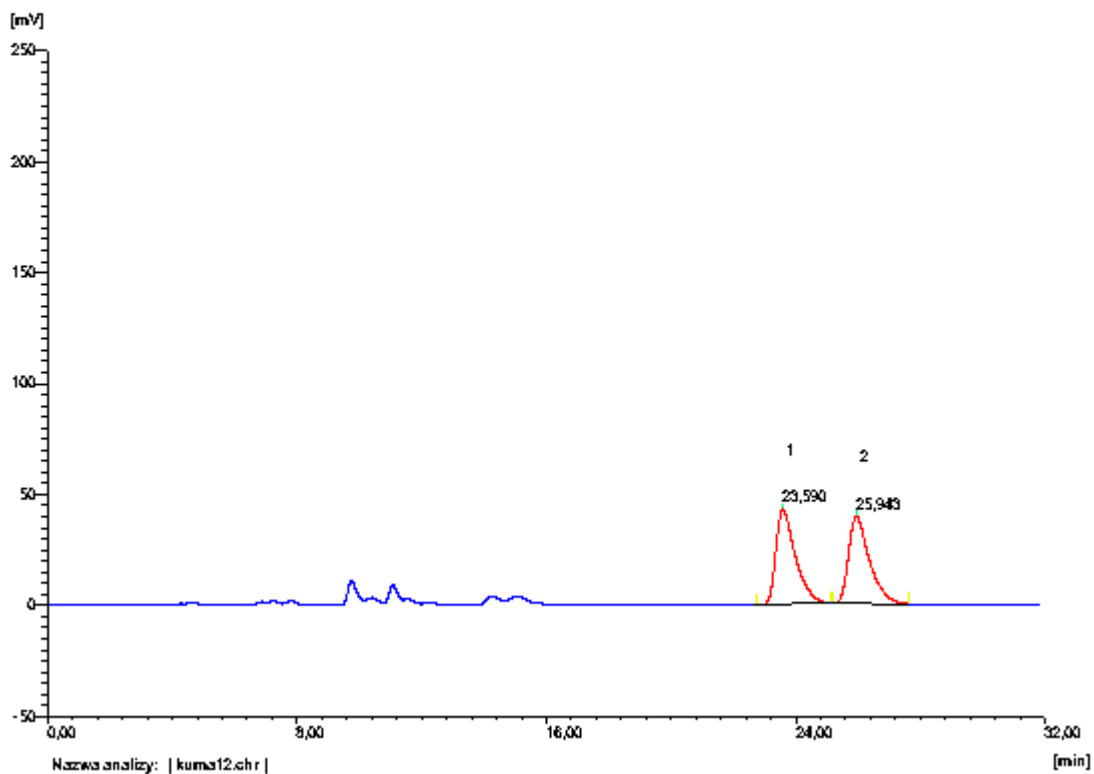
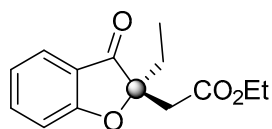
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μV 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	13,965	1570056	50,057
A/2	15,613	1566488	49,943
SUMA		3136544	



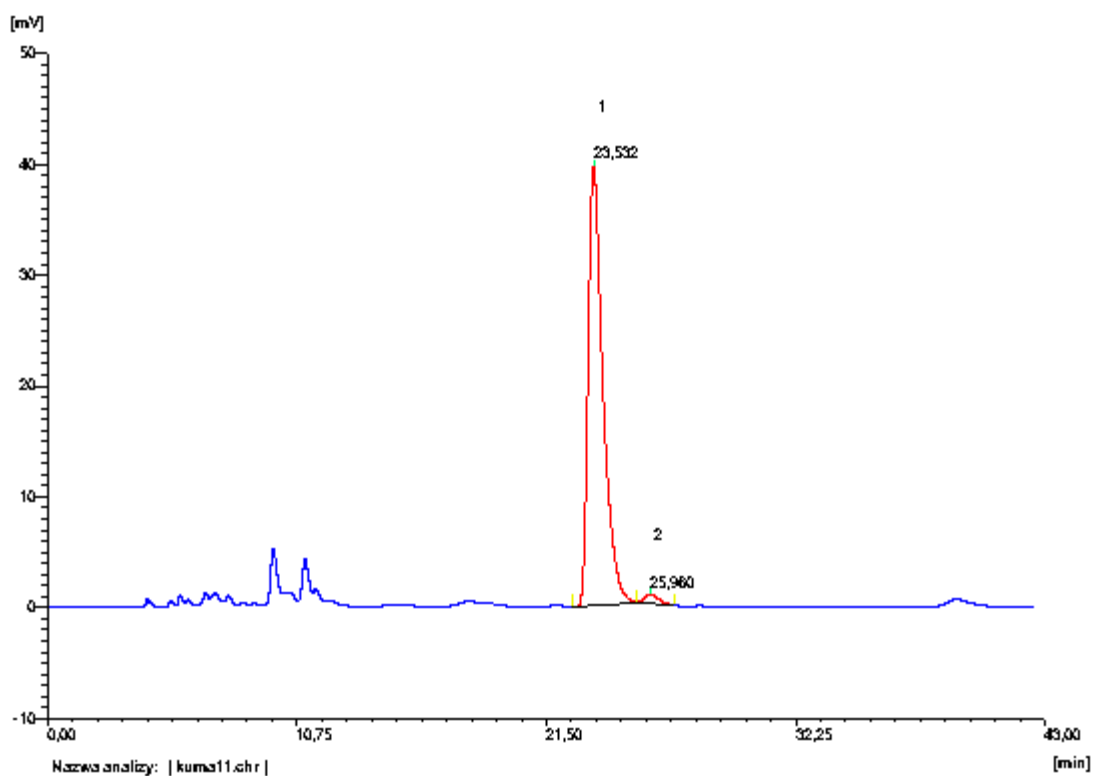
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μV 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	13,992	109931	1,892
A/2	15,570	5698977	98,108
SUMA		5808908	



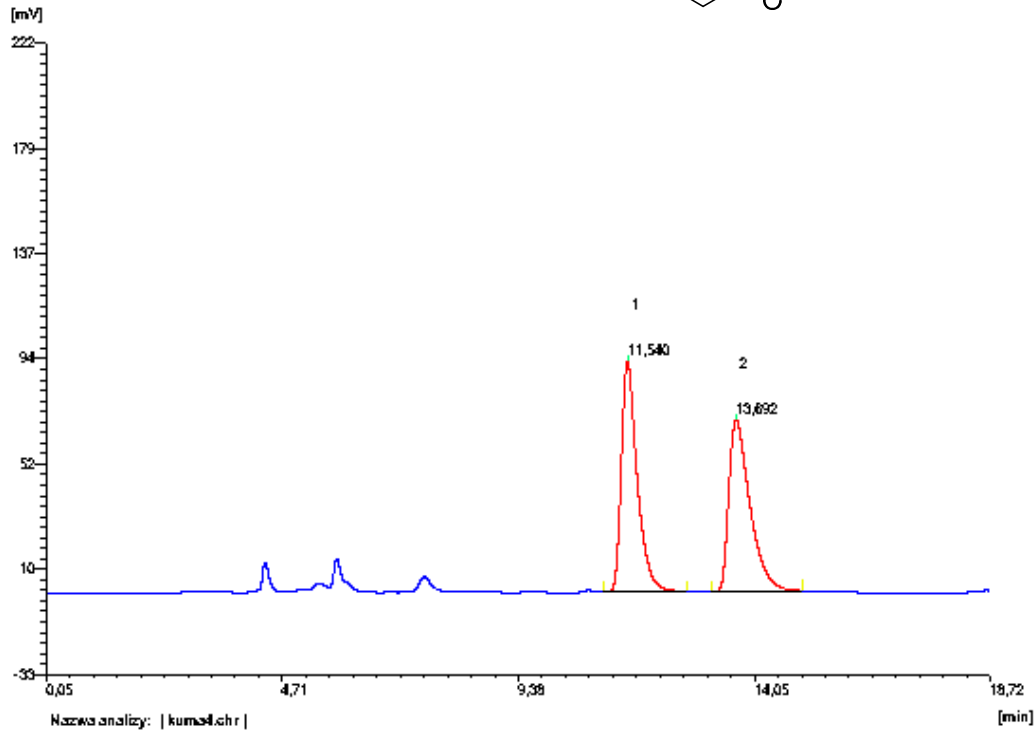
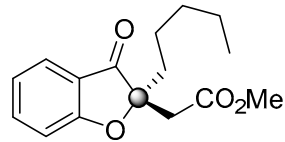
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μ V 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	23,590	3126612	50,563
A/2	25,943	3057023	49,437
SUMA		6183635	



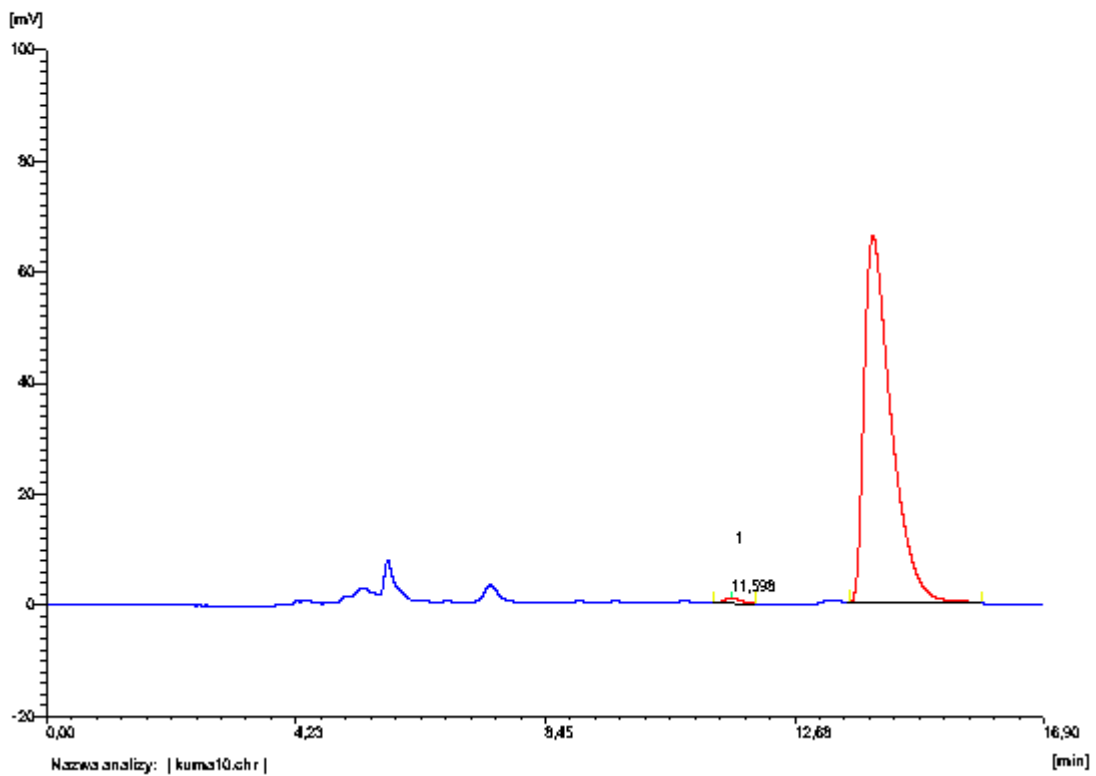
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μ V 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	23,532	2920993	98,066
A/2	25,960	57617	1,934
SUMA		2978610	



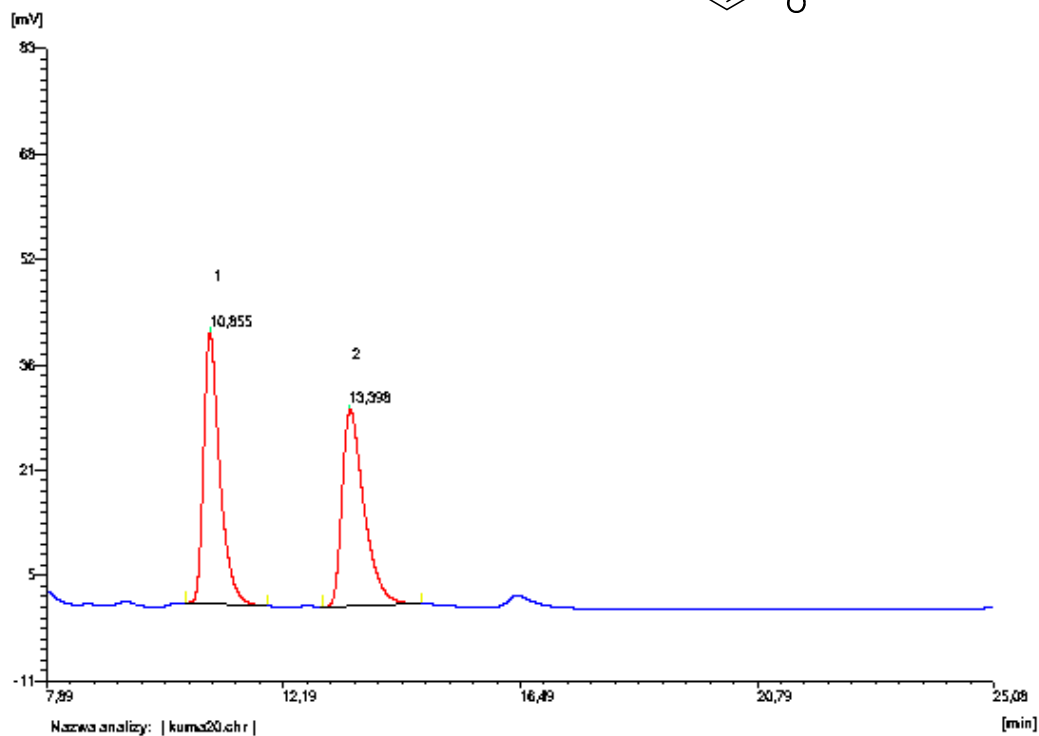
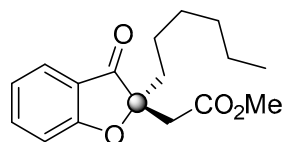
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μV 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	11,540	3382787	50,133
A/2	13,692	3356715	49,807
SUMA		6739502	



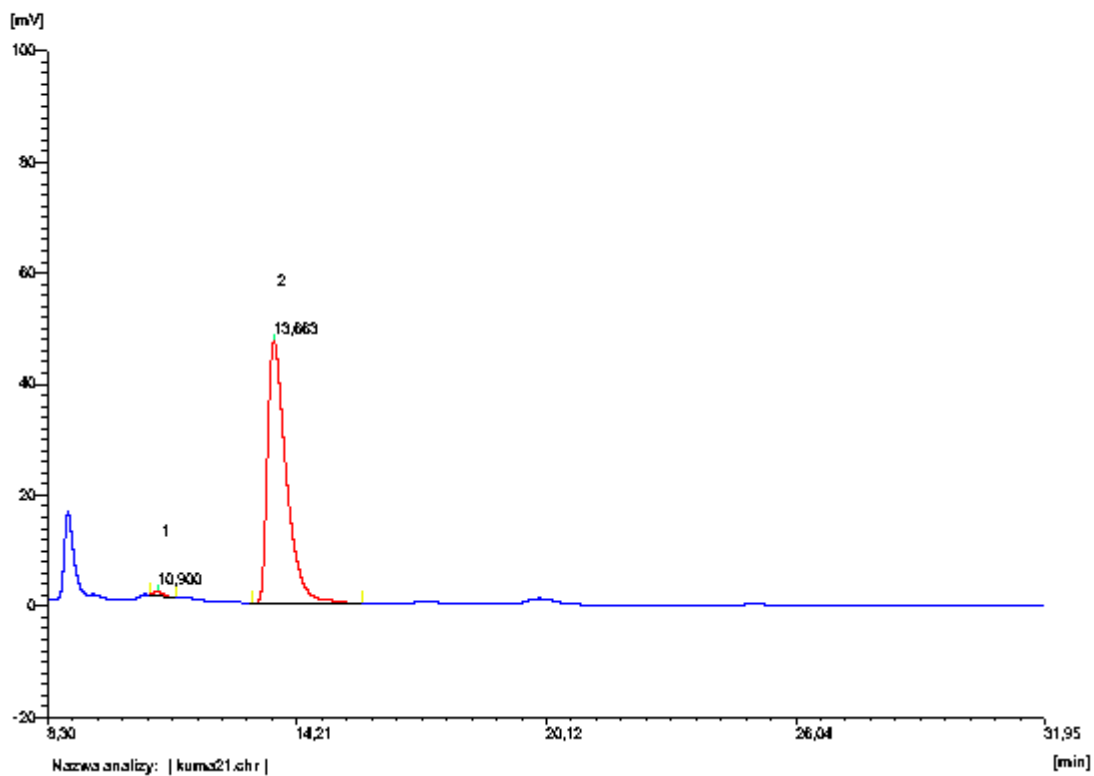
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μV 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	11,598	28129	0,792
A/2	14,000	3523425	99,208
SUMA		3551554	



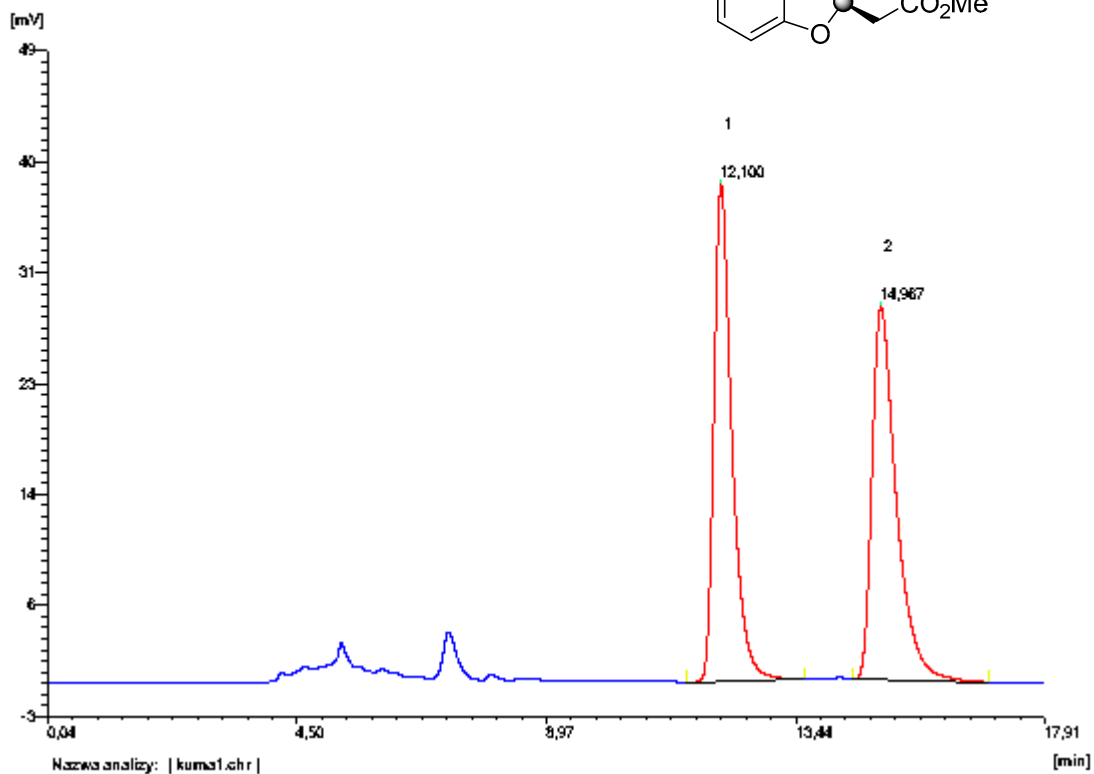
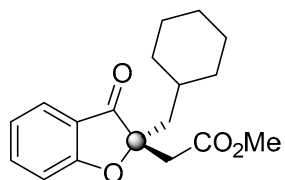
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μV 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	10,855	1374628	50,370
A/2	13,398	1354435	49,630
SUMA		2729063	



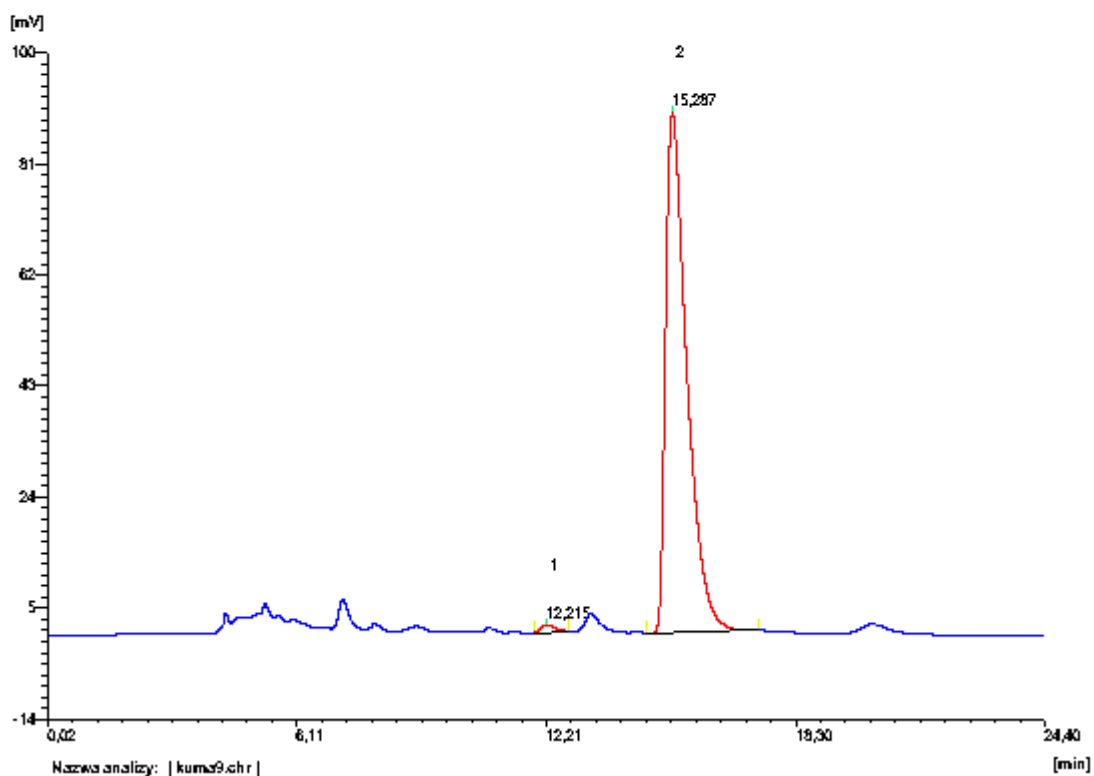
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μV 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	10,900	18295	0,744
A/2	13,663	2440661	99,256
SUMA		2458956	



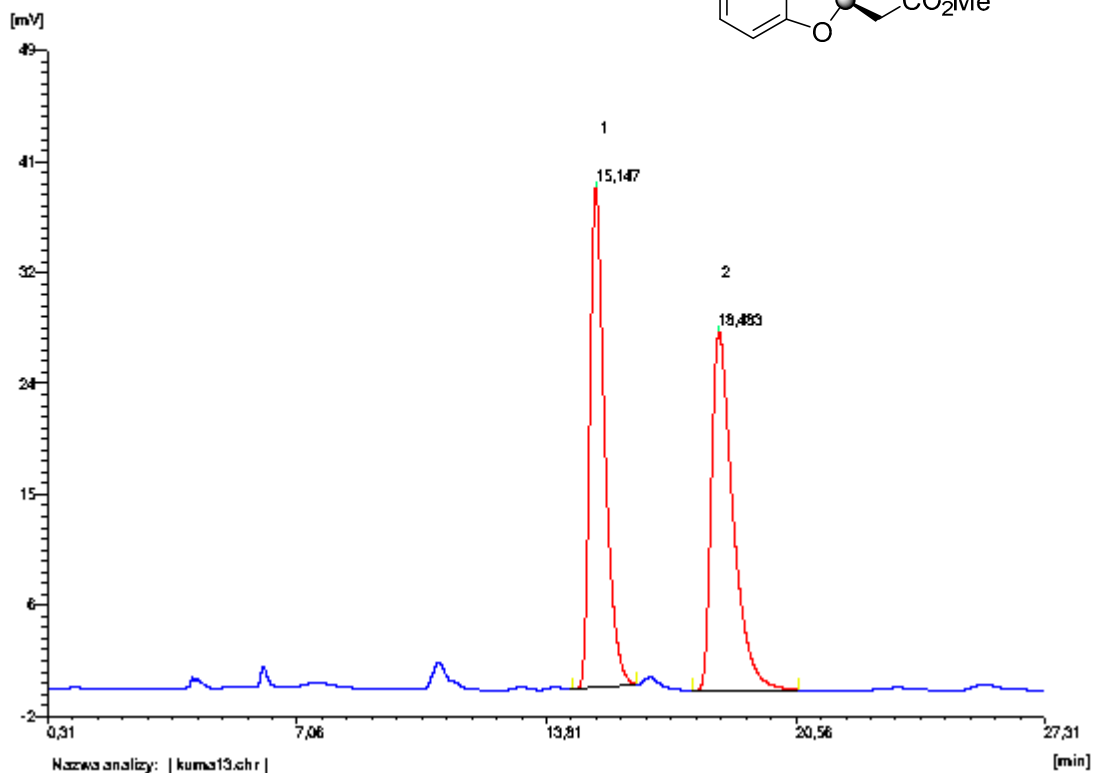
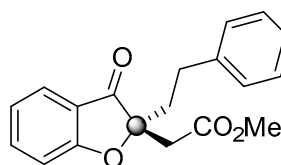
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μV 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	12,100	1426318	49,654
A/2	14,967	1446172	50,346
SUMA		2872490	



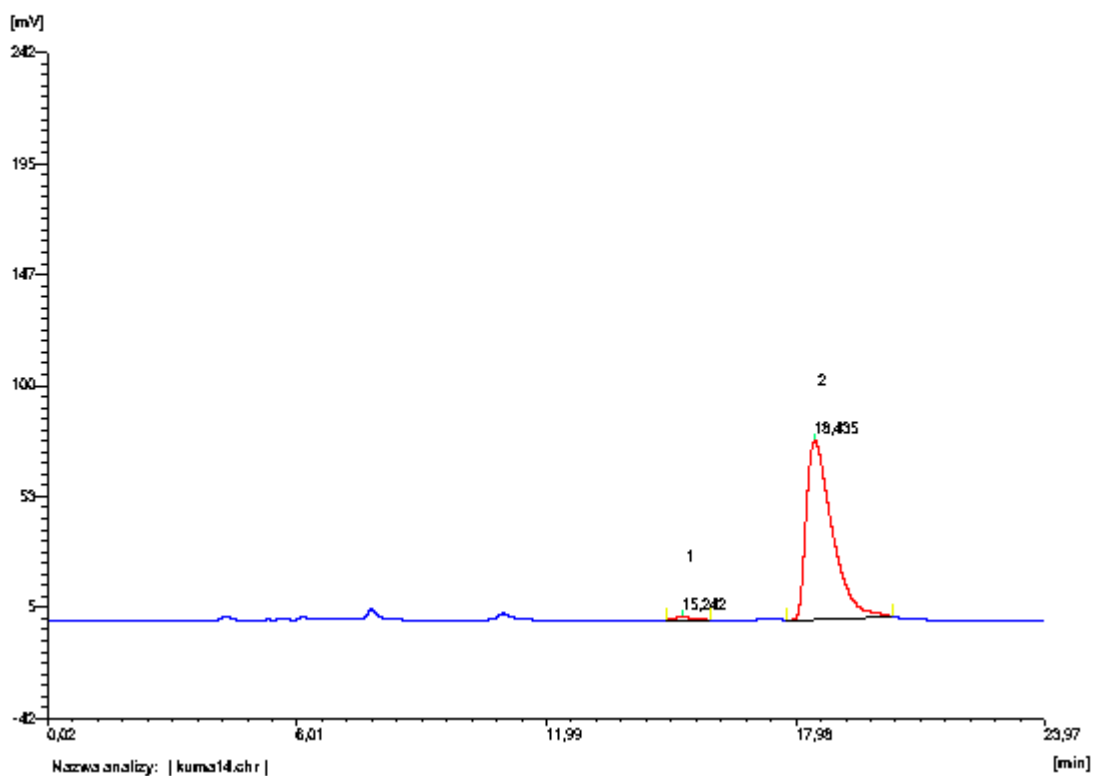
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μV 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	12,215	46534	0,861
A/2	15,287	5359246	99,139
SUMA		5405780	



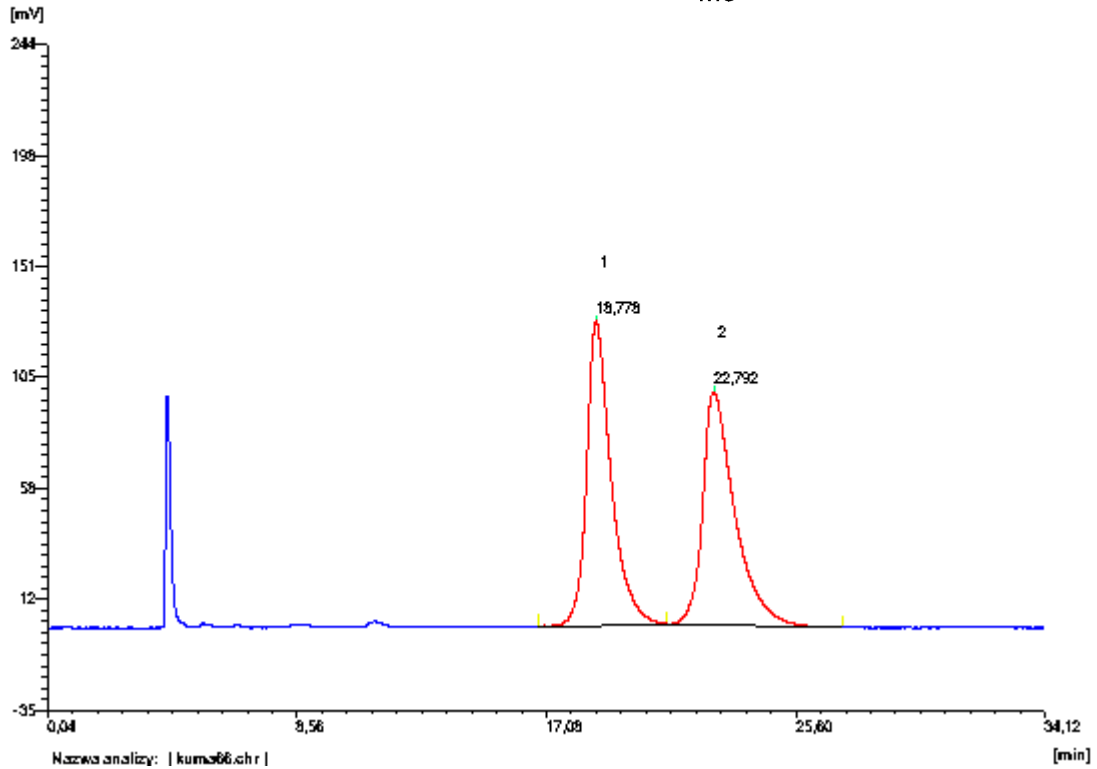
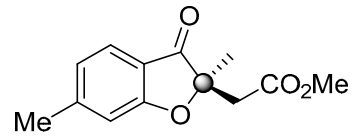
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μ V 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	15,147	1821976	49,321
A/2	18,483	1872128	50,679
SUMA		3694104	



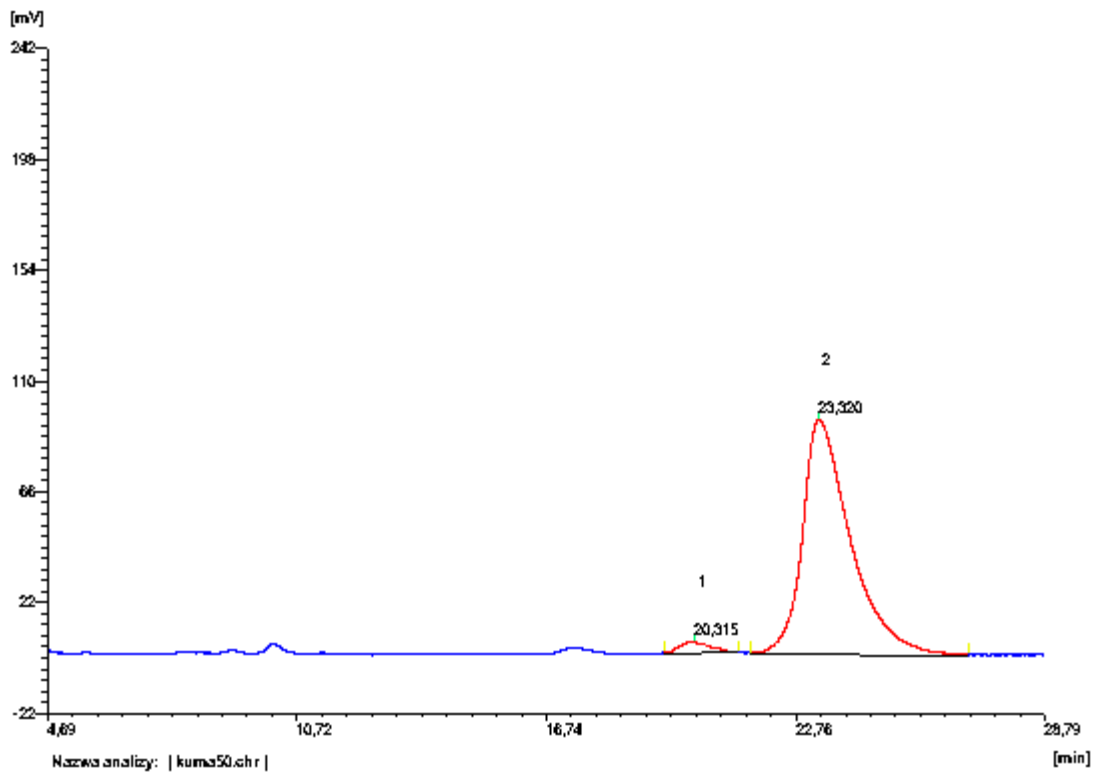
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μ V 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	15,242	64814	1,172
A/2	18,435	5463624	98,828
SUMA		5528438	



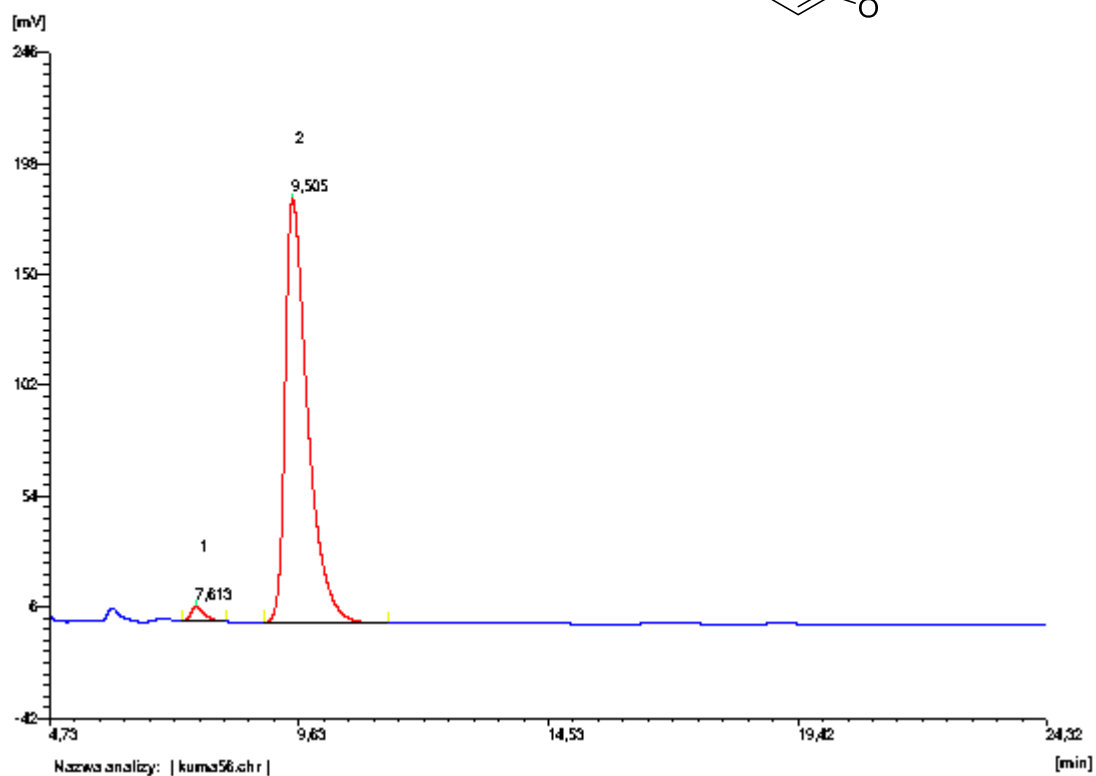
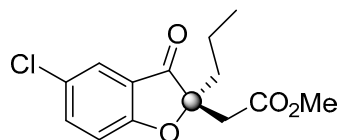
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μ V 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	18,778	12355580	49,845
A/2	22,792	12432351	50,155
SUMA		24787931	



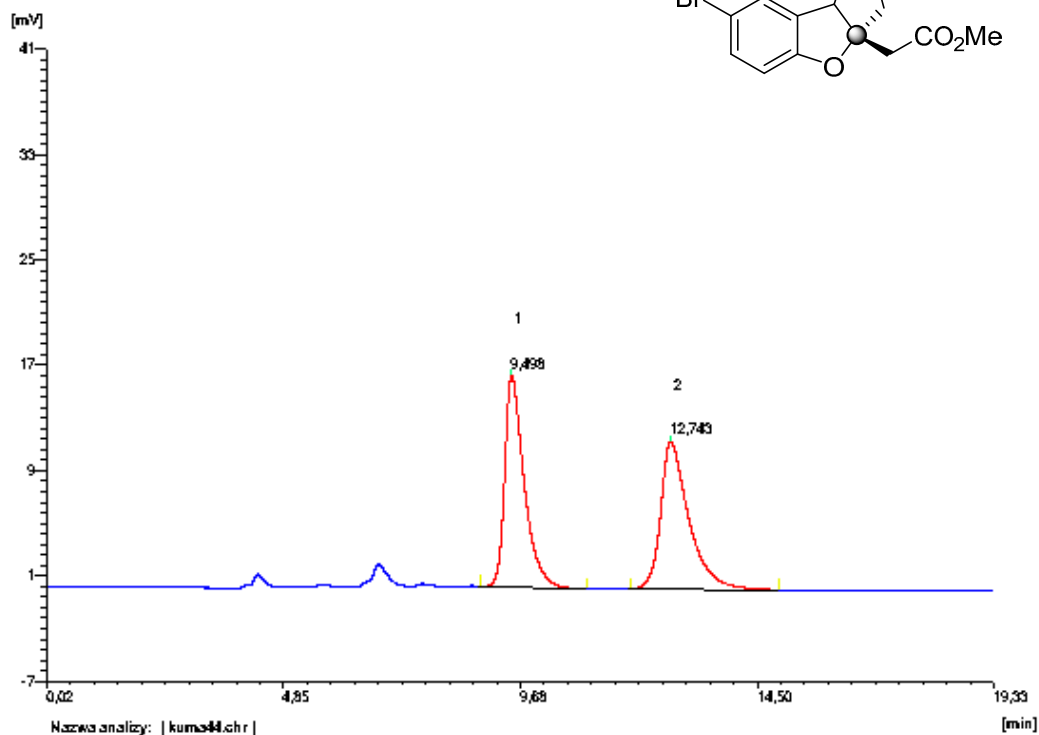
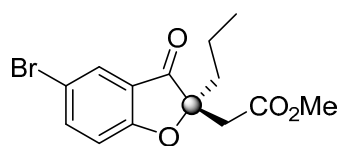
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μ V 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	20,315	392988	3,044
A/2	23,320	12515243	96,956
SUMA		12908231	



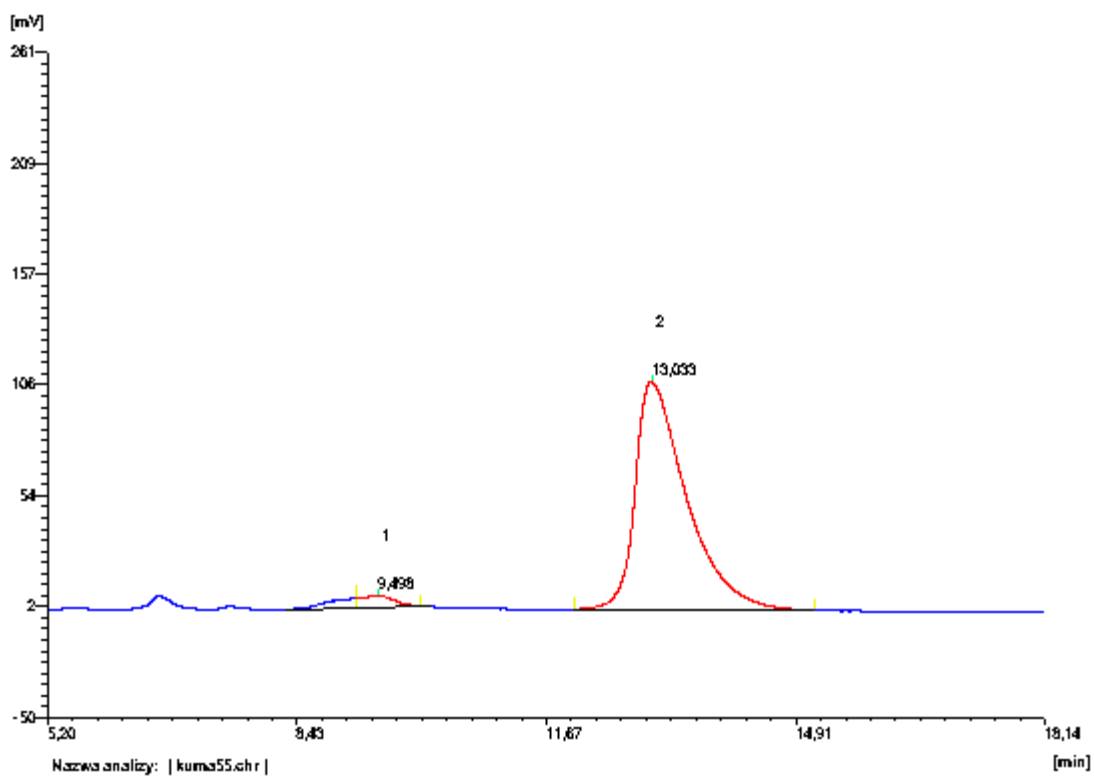
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [$\mu\text{V 1/100 min}$]	UDZIAŁ % POWIERZCHNI
A/1	7,613	197529	2,059
A/2	9,505	9395878	97,941
SUMA		9593407	



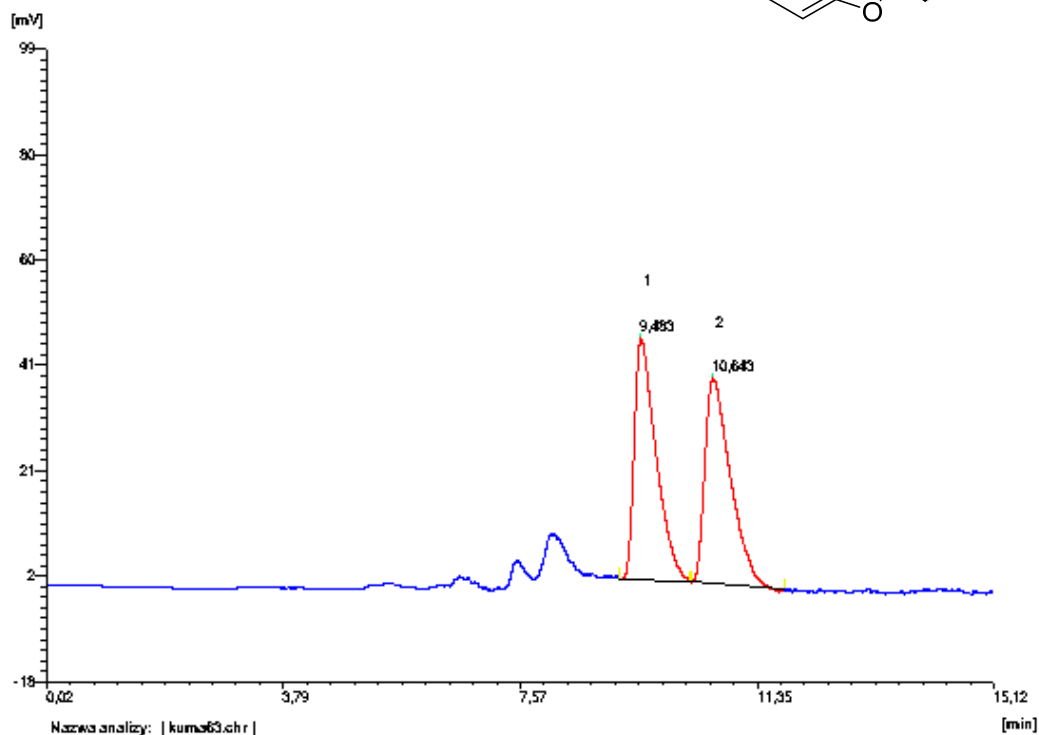
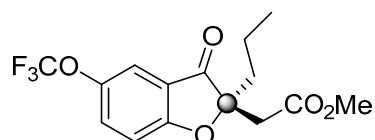
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μV 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	9,498	747463	49,506
A/2	12,743	762367	50,494
SUMA		1509830	



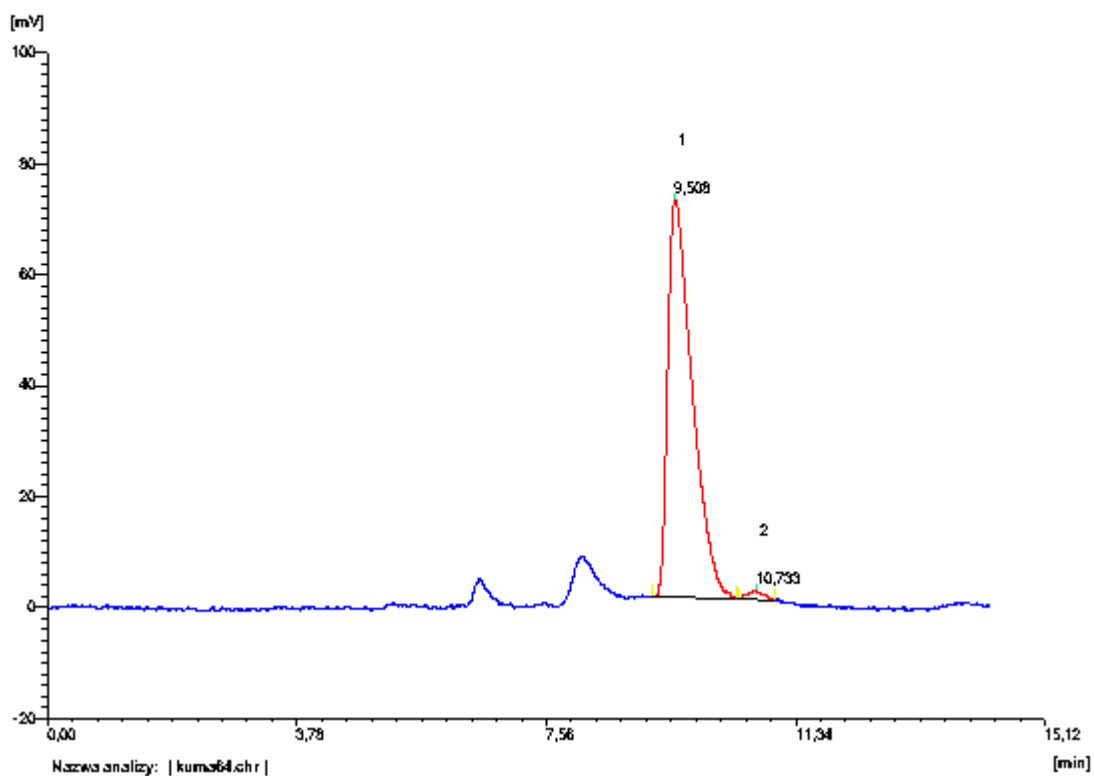
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μV 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	9,498	306494	3,581
A/2	13,033	8251695	96,419
SUMA		8558189	



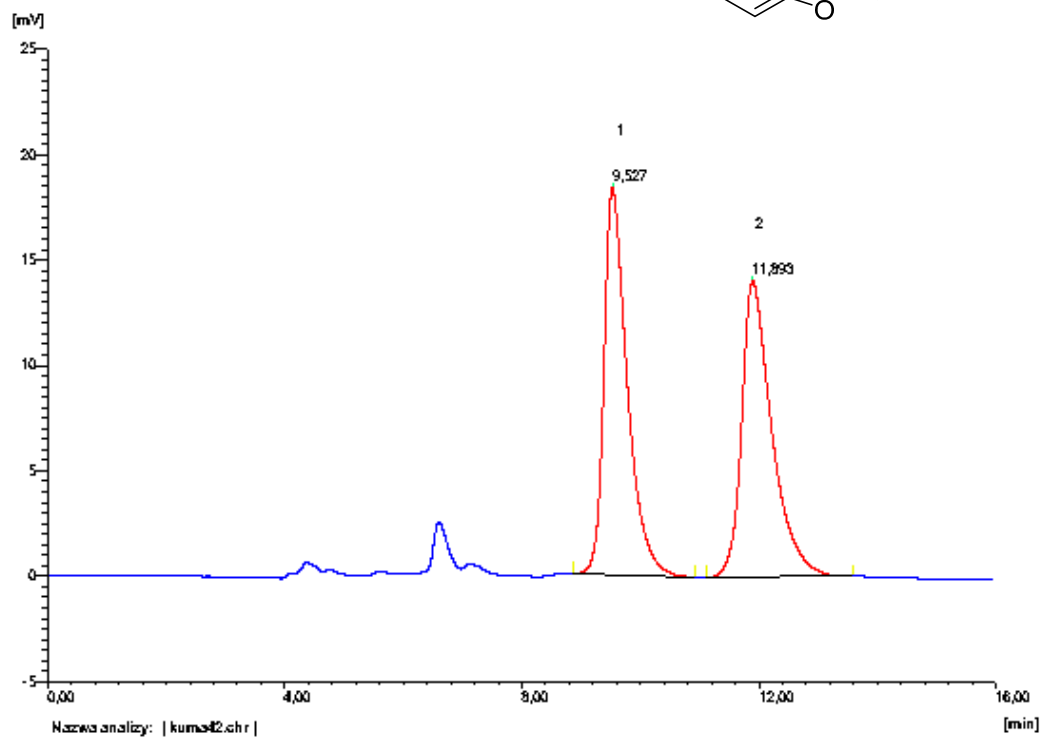
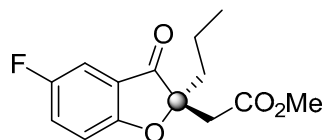
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μ V 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	9,483	1803579	49,875
A/2	10,643	1812588	50,125
SUMA		3616167	



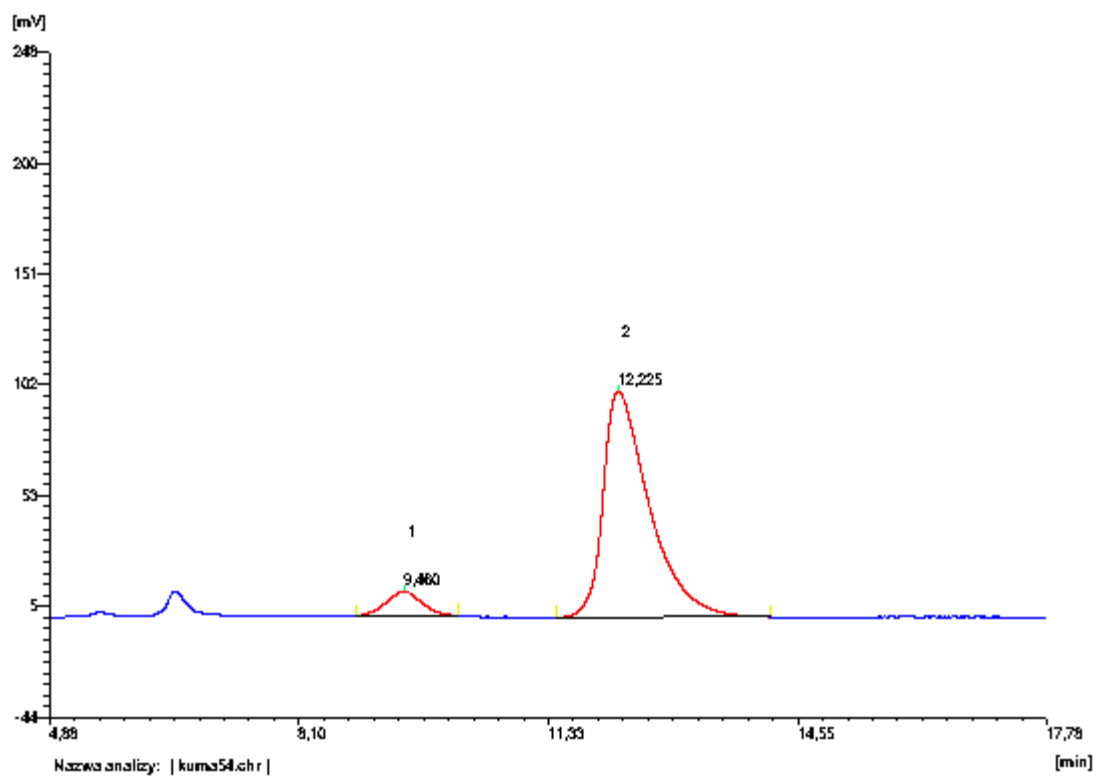
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μ V 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	9,508	3070399	98,445
A/2	10,733	48510	1,555
SUMA		3118909	



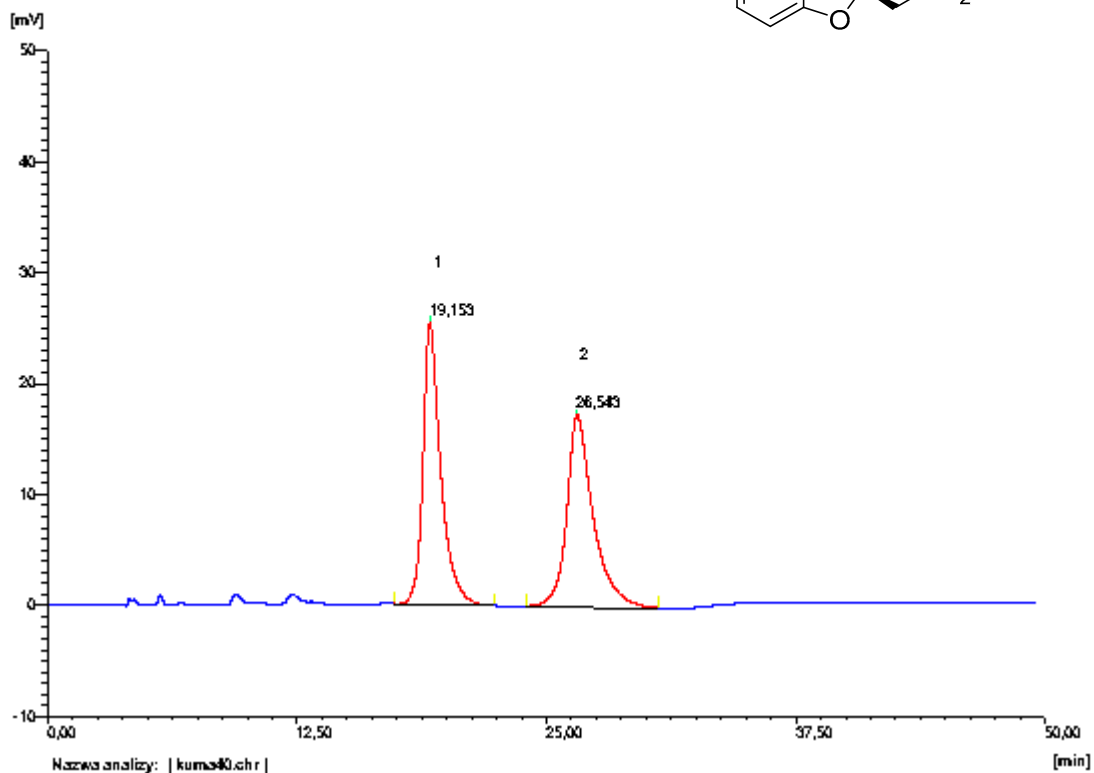
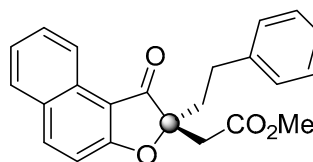
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μV 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	9,527	835242	50,249
A/2	11,893	826977	49,751
SUMA		1662219	



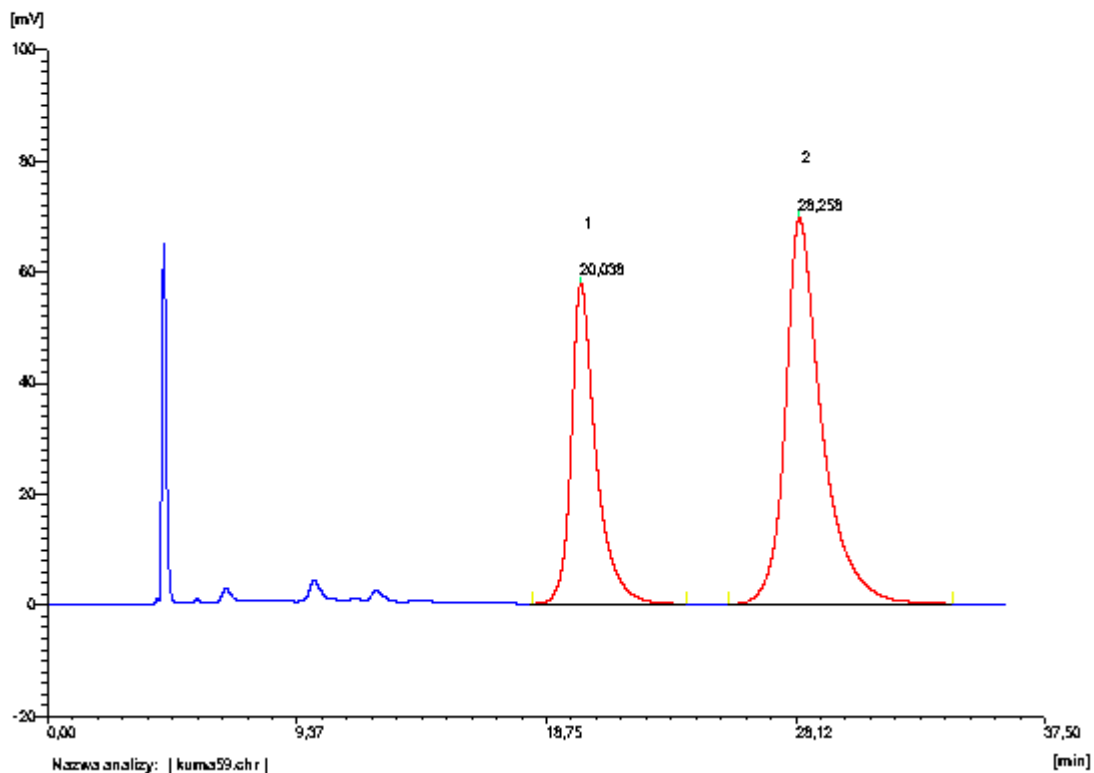
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μV 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	9,460	581055	7,819
A/2	12,225	6850039	92,181
SUMA		7431094	



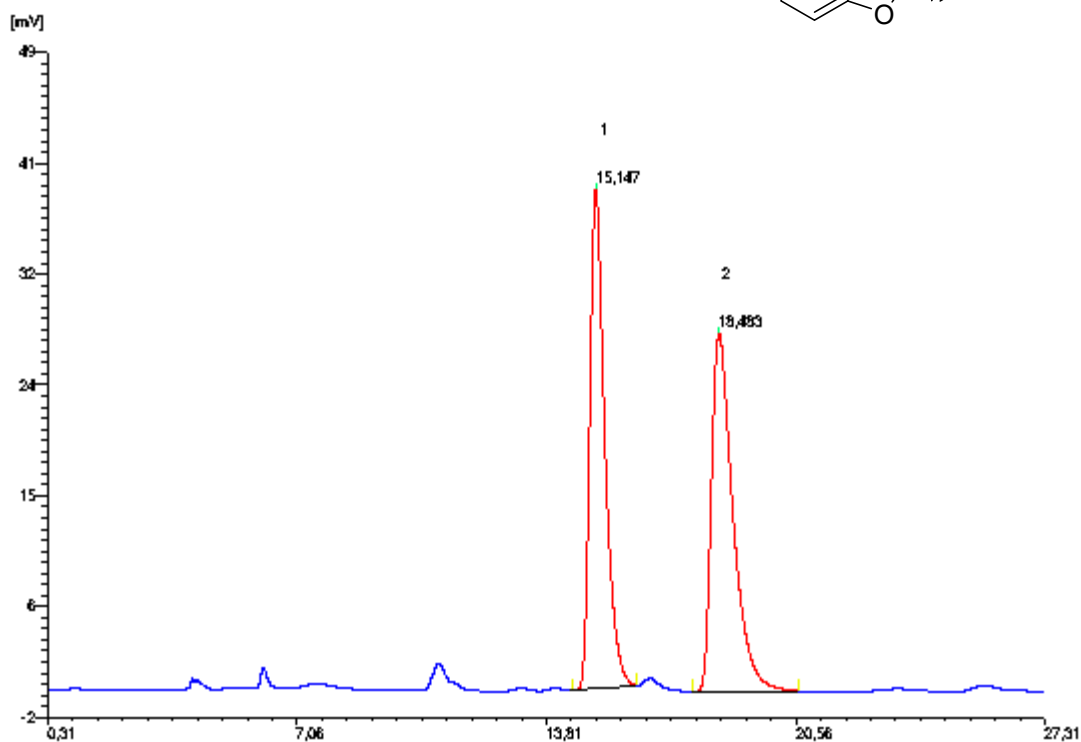
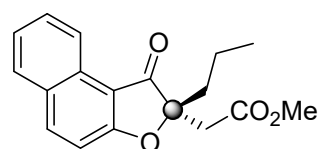
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μV 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	19,153	2624437	49,743
A/2	26,543	2651537	50,257
SUMA		5275974	



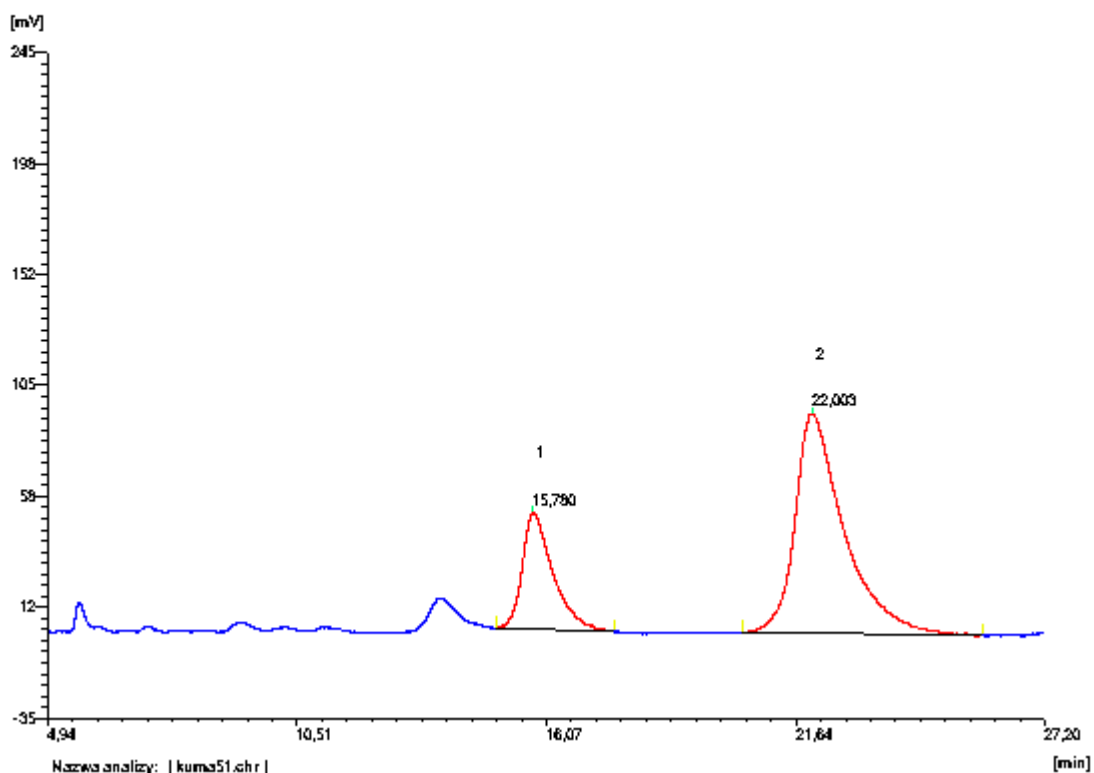
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μV 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	20,038	6208167	35,928
A/2	28,258	11071158	64,072
SUMA		17279325	



NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μ V 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	15,147	1821976	49,321
A/2	18,483	1872128	50,679
SUMA		3694104	



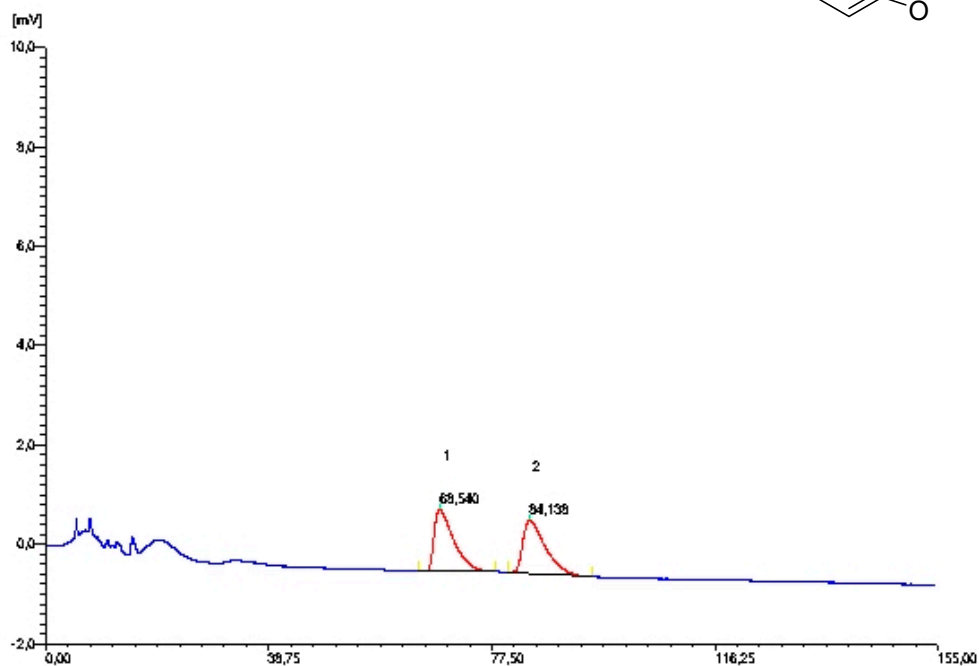
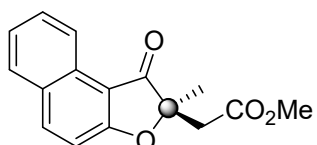
NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μ V 1/100 min]	UDZIAŁ % POWIERZCHNI
A/1	15,780	3871848	24,840
A/2	22,003	11715506	75,160
SUMA		15587354	



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NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μV 1/100 min]	UDZIAŁ % POWIERZCHNI	Współczynnik retencji
A/1	68,540	491316	50,548	-
A/2	84,138	480659	49,452	-
SUMA		971975		

Współczynnik retencji
-
-



NUMER PIKU	CZAS RETENCJI [min]	POWIERZCHNIA [μV 1/100 min]	UDZIAŁ % POWIERZCHNI	Współczynnik retencji
A/1	68,727	298335	34,237	-
A/2	83,737	573035	65,763	-
SUMA		871370		

Współczynnik retencji
-
-

