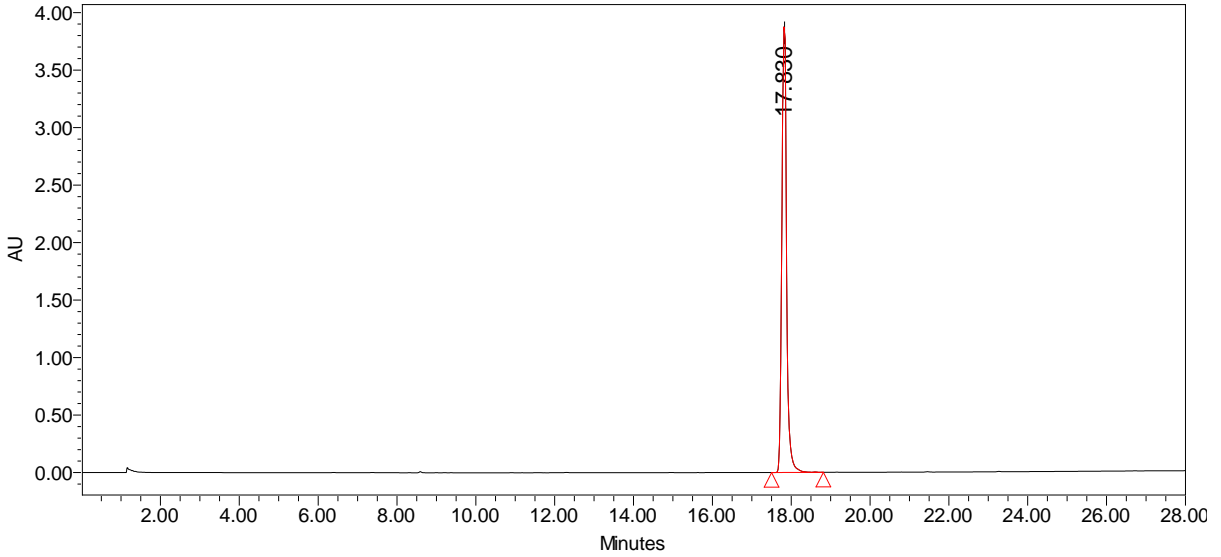
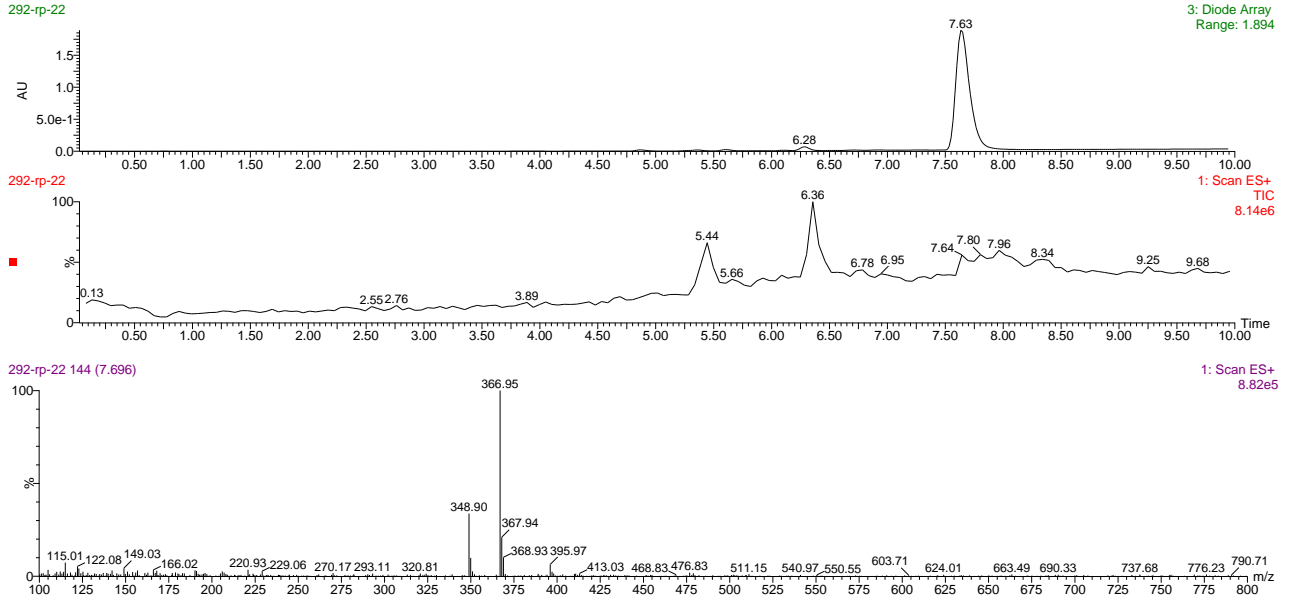


Supporting Information Chemistry and Biology

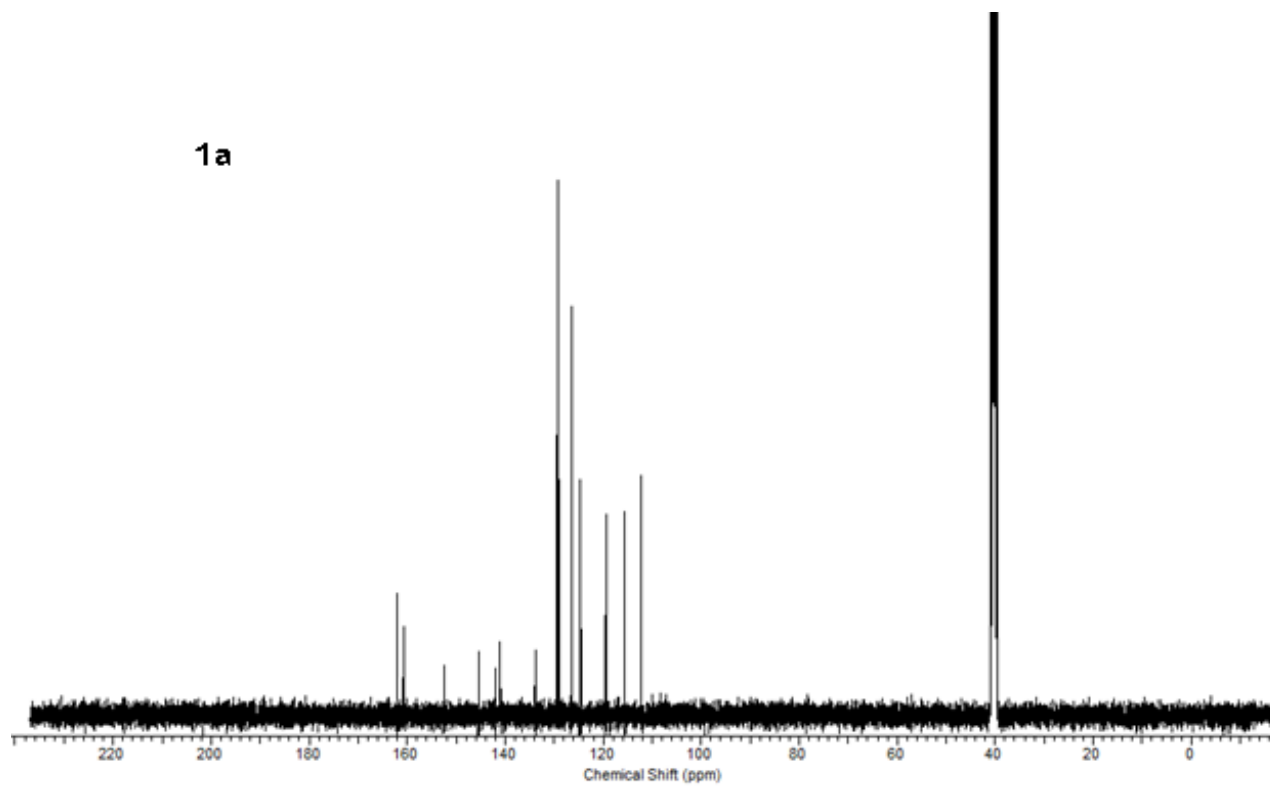
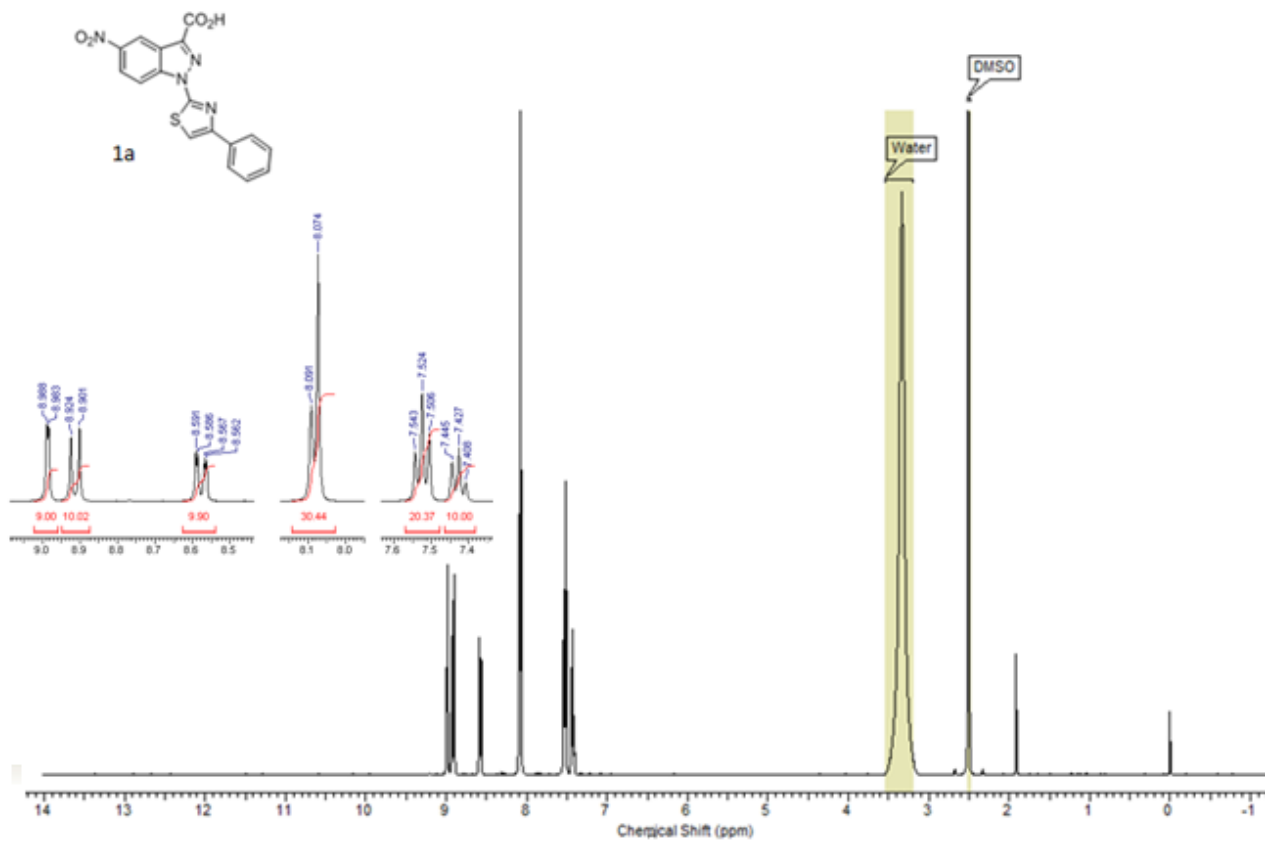
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1a

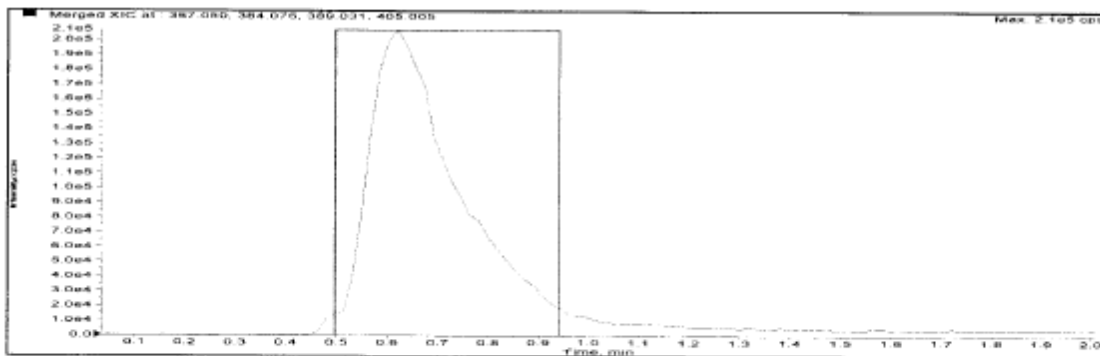


Retention Time	% Area
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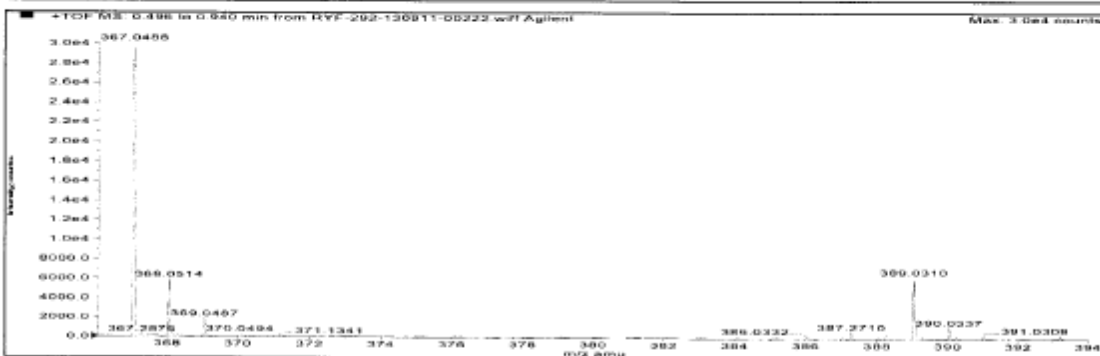
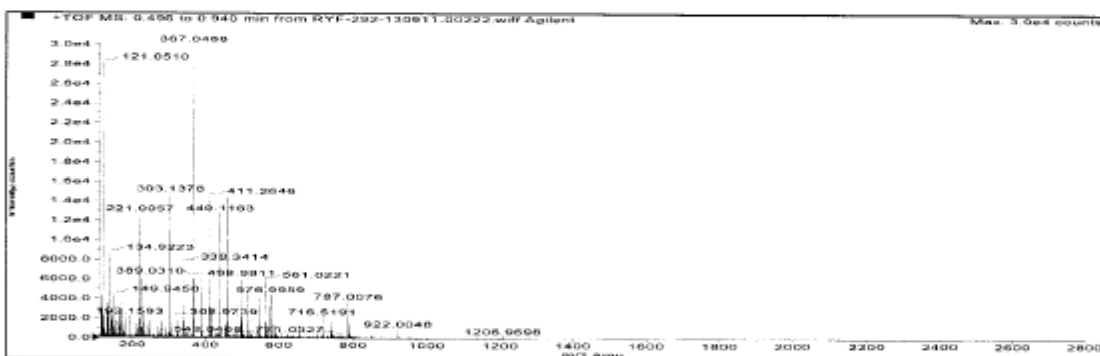


Sample Name: RYF-292 Sample Location: P1-A-07 Sample Id: RYF-292 Operator: Sunia Trauger
 Data File Name: D:\PE Sciex Data\Projects\DA TOF Data\SATData\RYF-292-130911-00222.wiff Acq Time: September 13 2011, 03:12:36 PM
 Method: D:\TOF_Data\methods\HRES_FIA_2M_0.2R_ANM.ANM.mfc.xml

One or more scans have failed IRM. Review the data file for details.



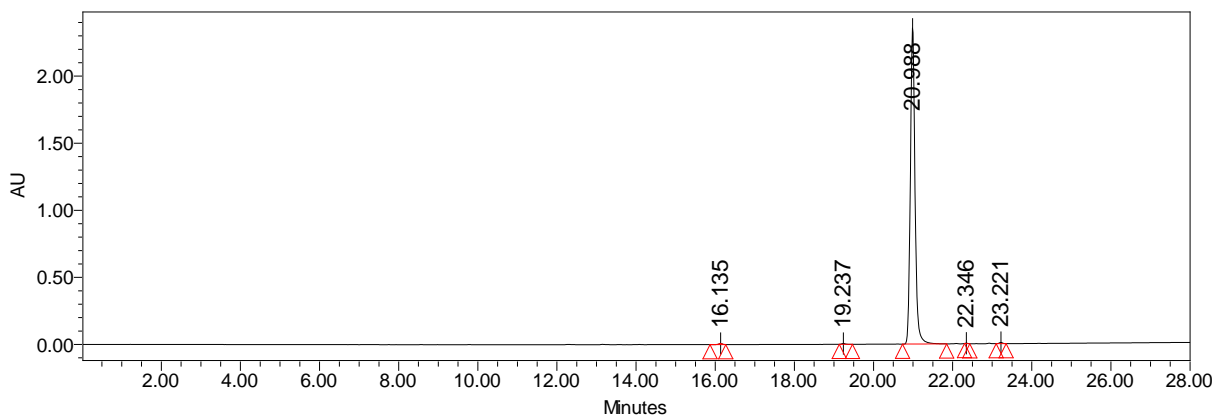
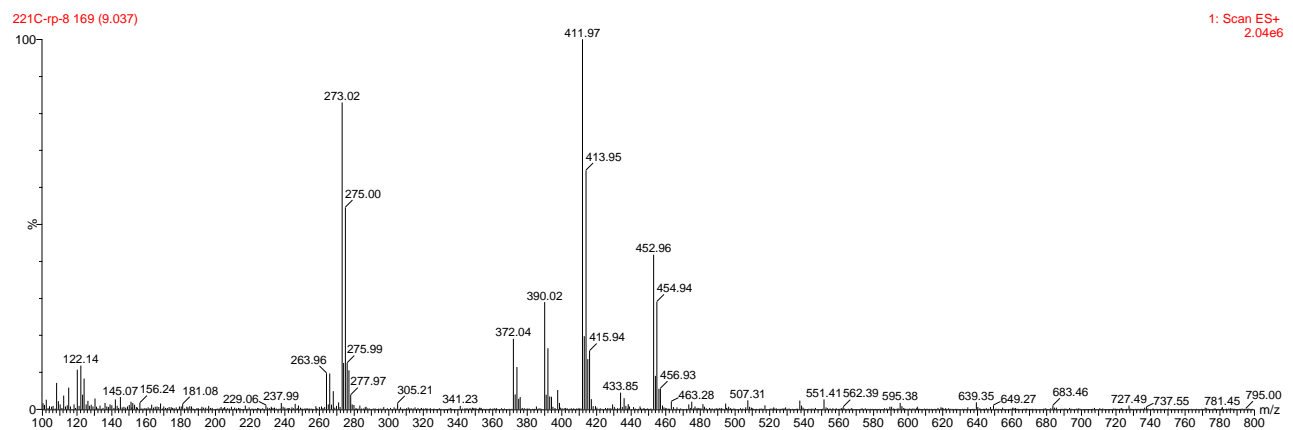
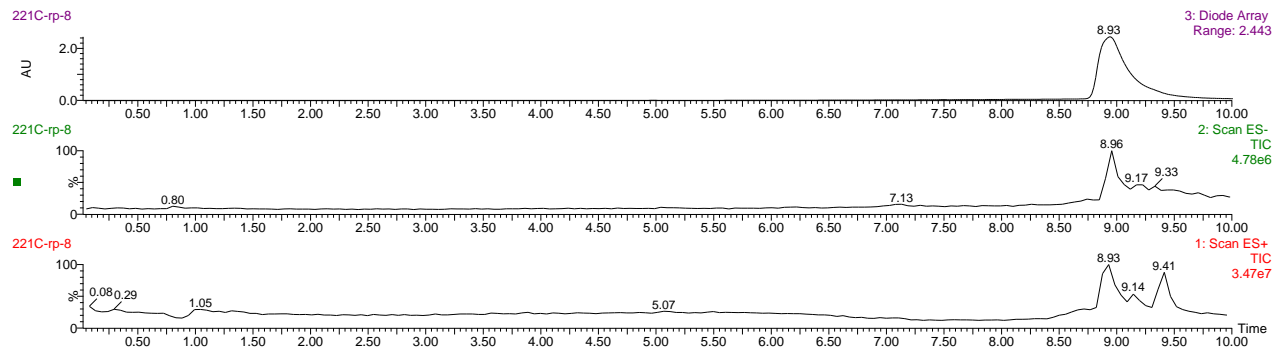
Merged XIC, Period# : 1 Experiment# : 1



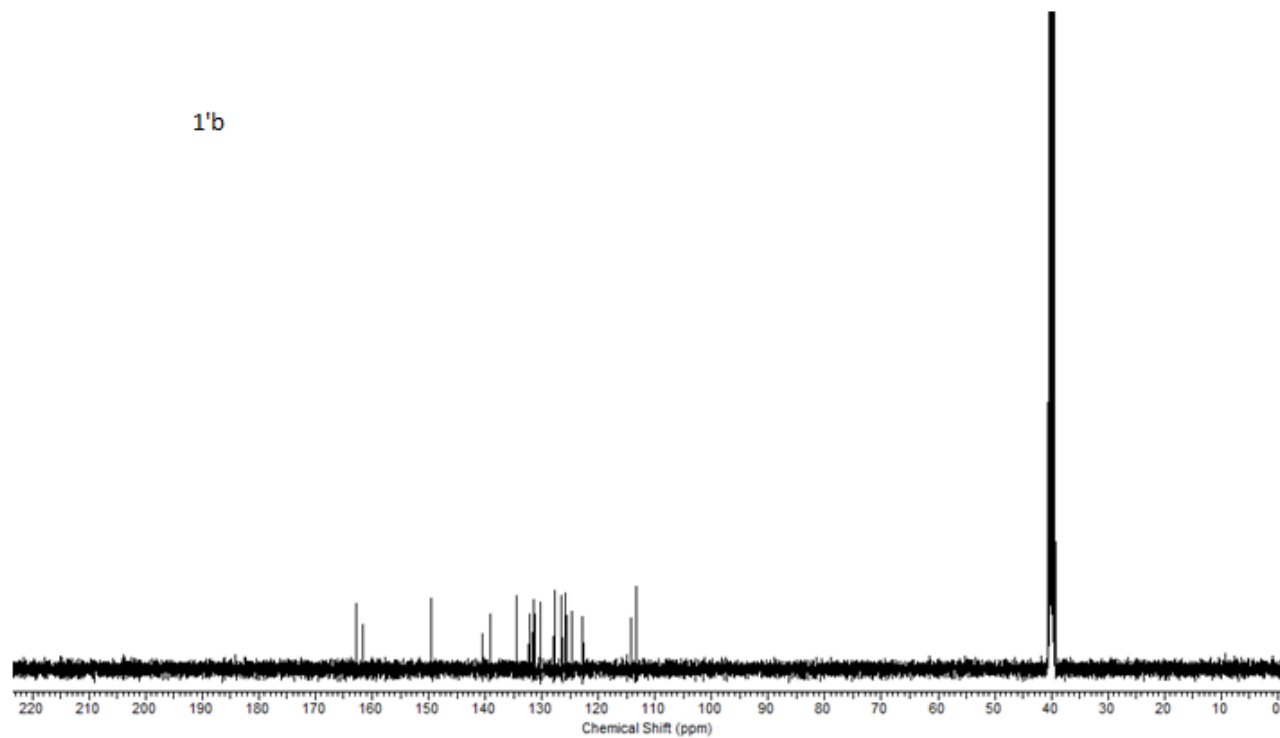
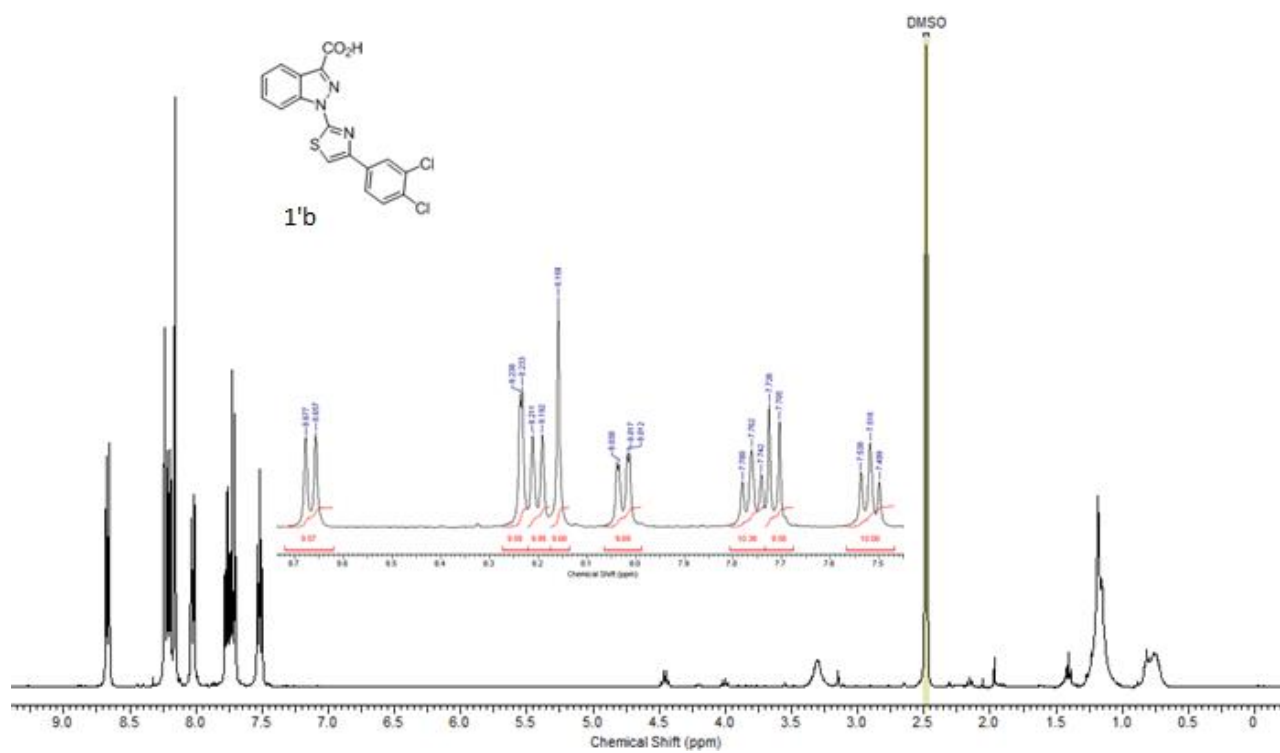
Formula	Compound name	Mass	Peak RT (min)	Peak area	Description
C17H10N4O4S	--	386.04228	0.62	2.51285 E6	--

Species	Abundance (counts)	Ion Mass	Measured Mass	Error (mDa)	Error (ppm)	Ret. Time Error (min)
[M+H] ⁺	31854.27	367.04955	367.04880	-0.74739	-2.04	--
[M+Na] ⁺	6434.26	389.03150	389.03101	-0.49059	-1.26	--

1'b

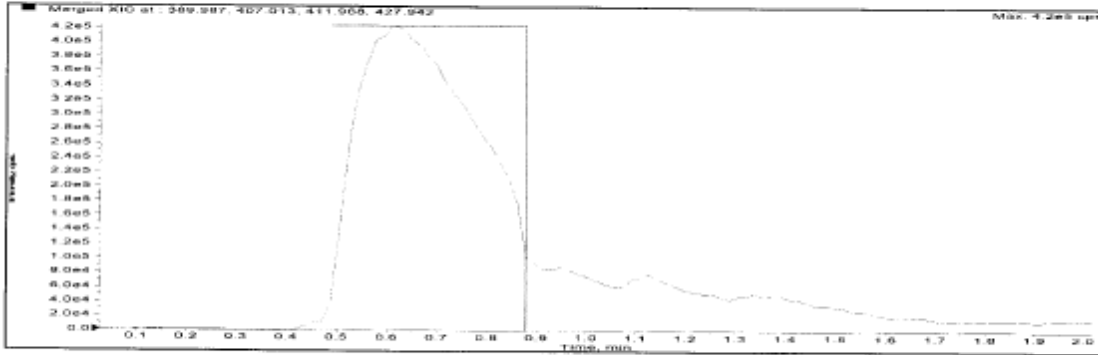


	Retention Time	% Area
1	16.135	0.26
2	19.237	0.20
3	20.988	99.22
4	22.346	0.06
5	23.221	0.27

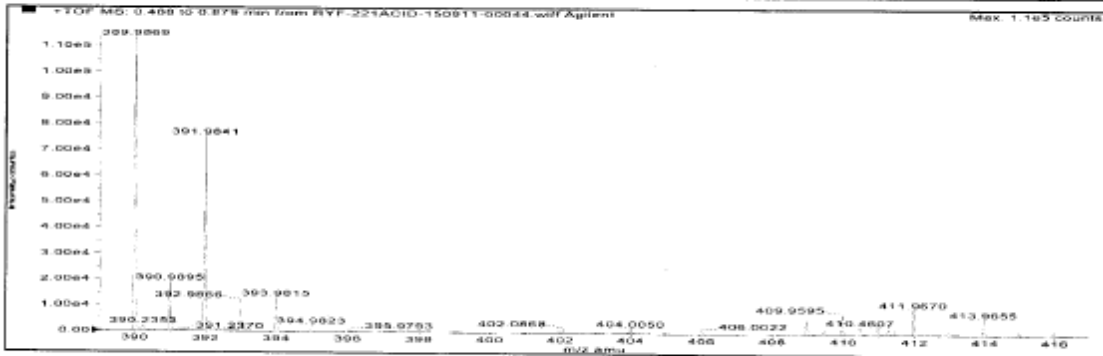
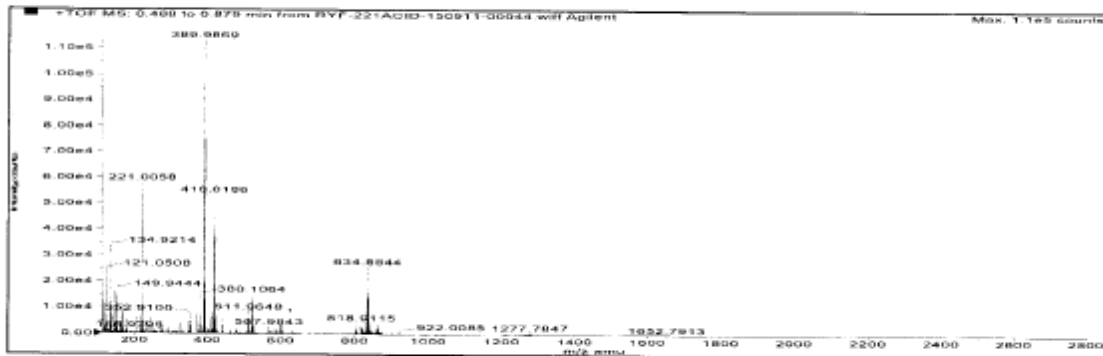


Sample Name: RYF-221ACID Sample Location: P1-E-06 Sample Id: RYF-221ACID Operator: Sunia Trauger
 Data File Name: D:\PE Sciex Data\Projects\OA_TOF Data\SAT\Data\RYF-221ACID-150911-00044.wiff Acq Time: September 15 2011, 10:08:07 AM
 Method: D:\TOF_Data\methods\HRES_FIA_2M_0.2R_ANM.ANM\efc.xml

One or more scans have failed IRM. Review the data file for details.



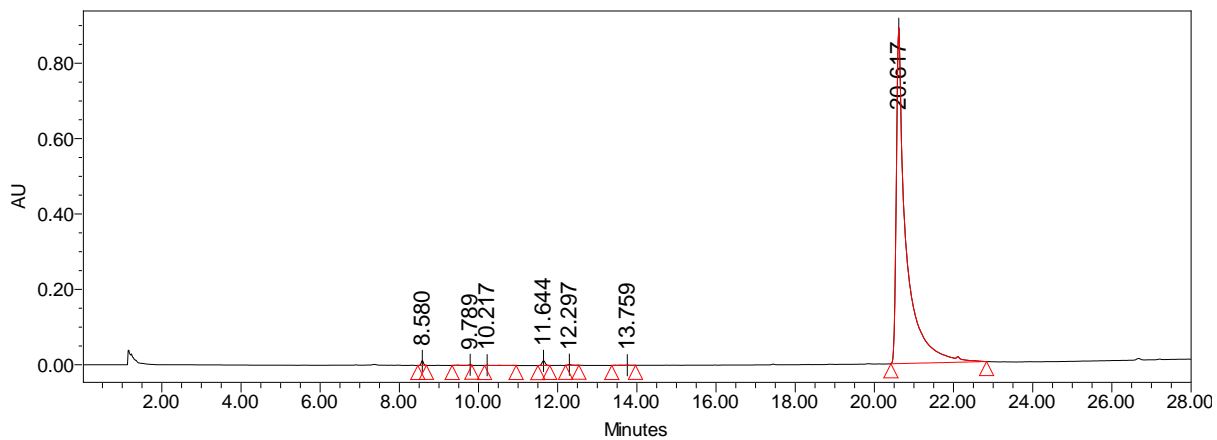
Merged XIC, Period#: 1 Experiment#: 1



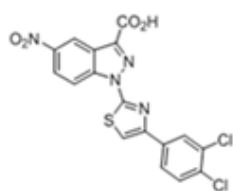
Formula	Compound name	Mass	Peak RT (min)	Peak area	Description
C17H9Cl2N3O2S	--	389.97925	0.62	6.27081 EB	--

Species	Abundance (counts)	Ion Mass	Measured Mass	Error (mDa)	Error (ppm)	Ret. Time Error (min)
[M+H] ⁺	113370.93	389.98653	389.98689	0.36481	0.94	--
[M+Na] ⁺	10557.47	411.98847	411.98699	-1.48630	-3.81	--

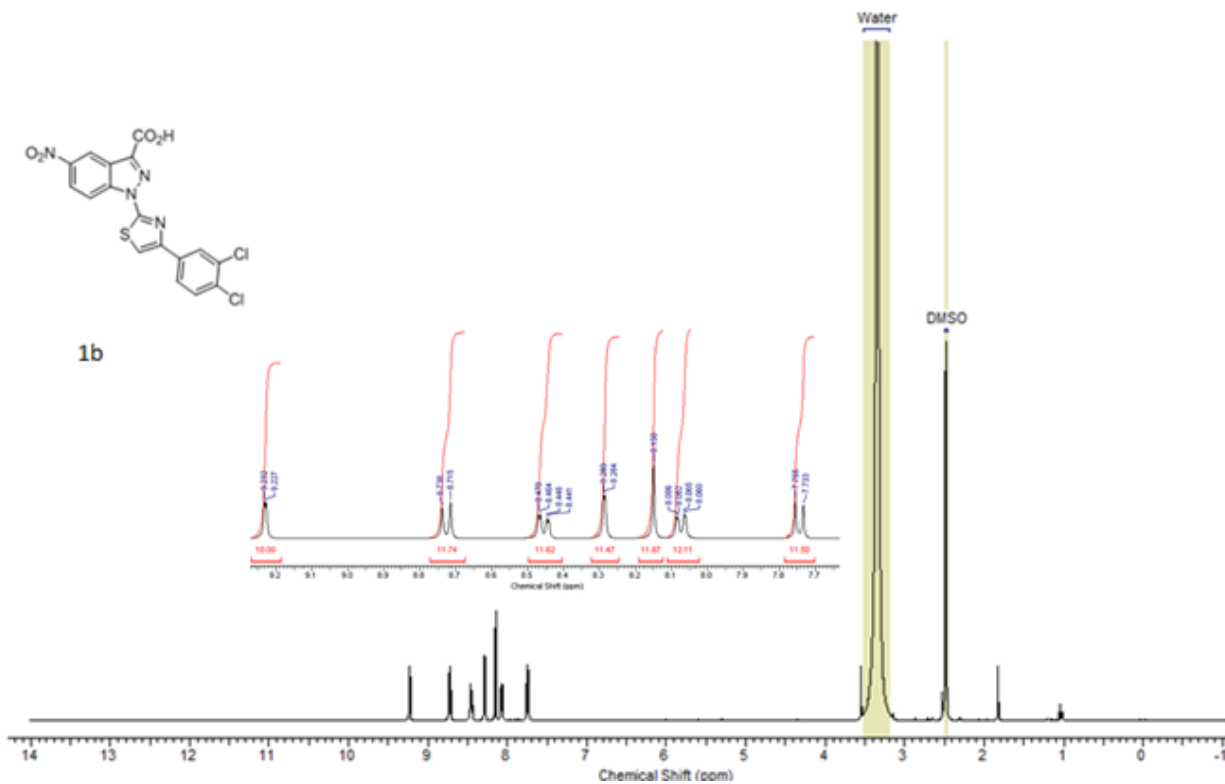
1b



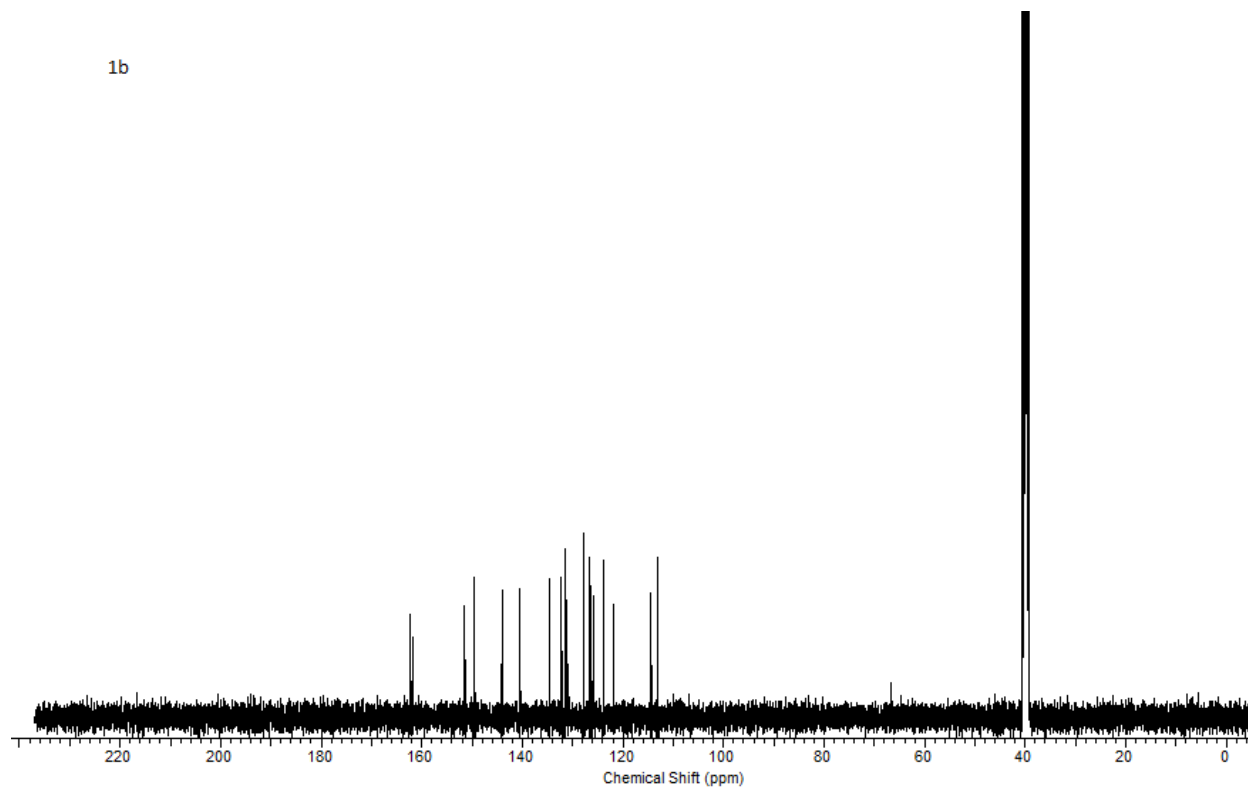
	Retention Time	% Area
1	8.580	0.32
2	9.789	0.10
3	10.217	0.05
4	11.644	0.46
5	12.297	0.08
6	13.759	0.07
7	20.617	98.93



1b

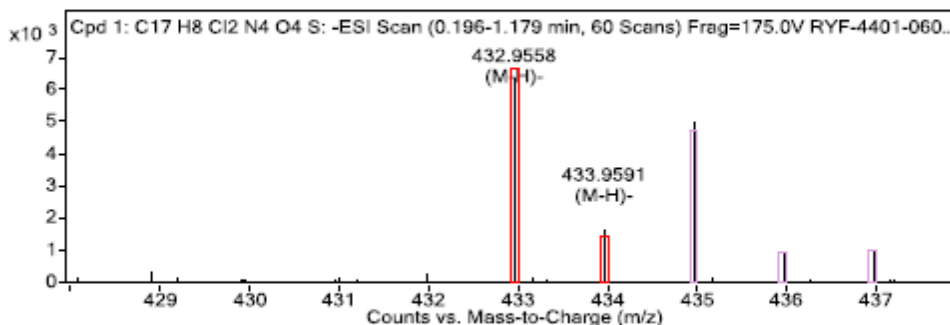
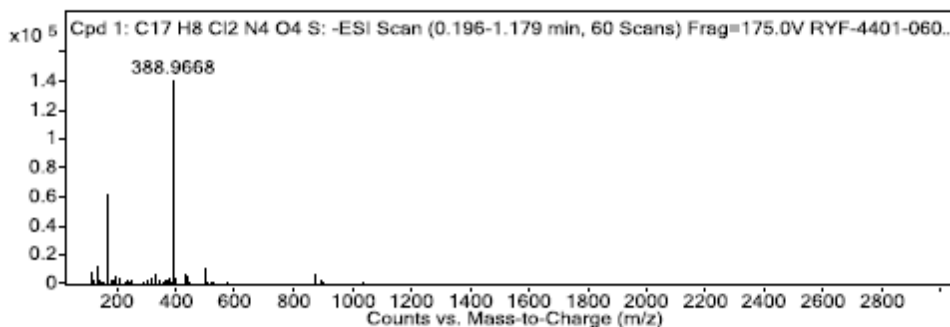
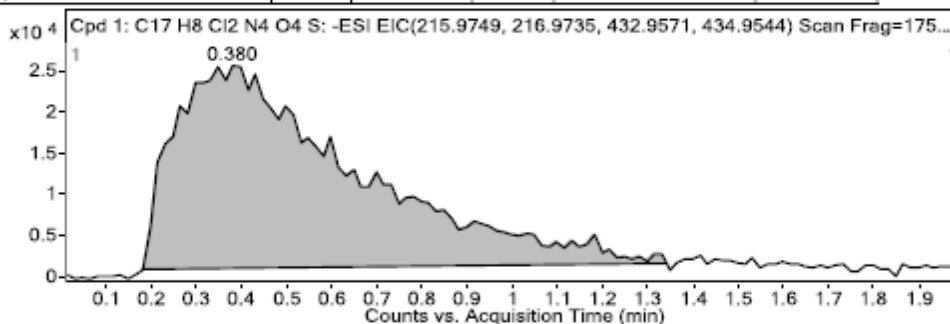


1b

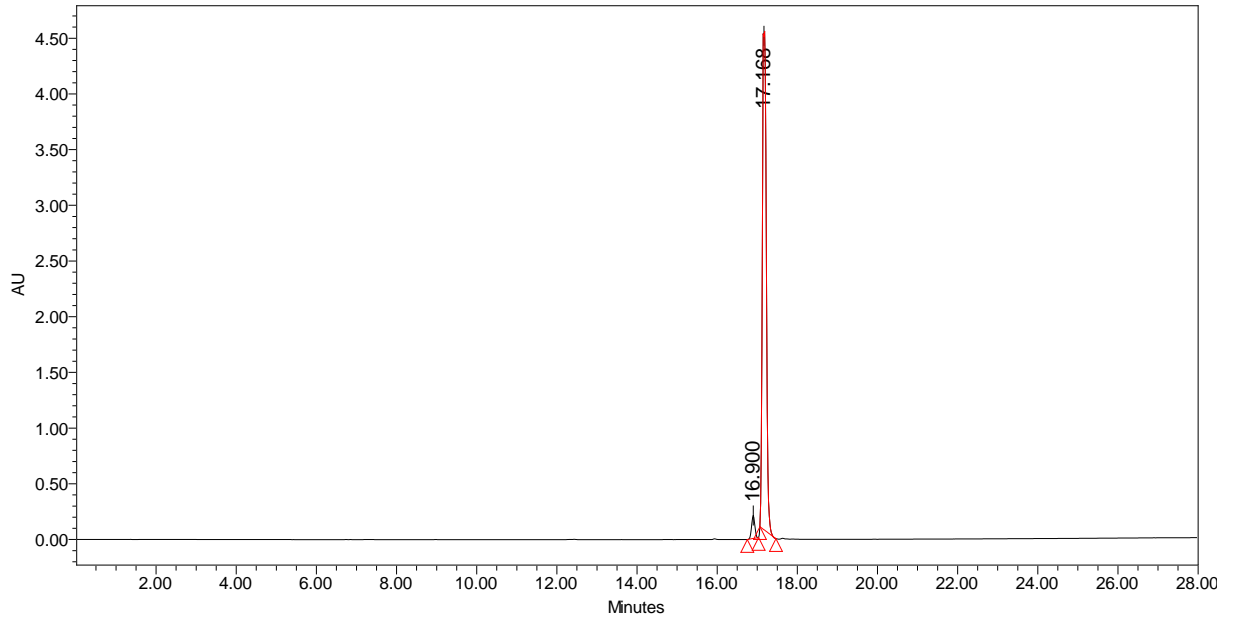


Sample Name RYF-440 **Position** P1-A03 **Instrument Name**
User Name Revital Freedman **Inj Vol** 0.2 **IRM Calibration Status**
Data Filename RYF-4401-060712-0028 **ACQ Method** OA_FIA_NEG.M **Comment**
Acquired Time 7/6/2012 1:46:39 PM

Compound Label	RT	Mass	Abund	Formula	Tot Mass
Cpd 1: C17 H8 Cl2 N4 O4 S	0.38	433.9632	6353	C17 H8 Cl2 N4 O4 S	433.9643



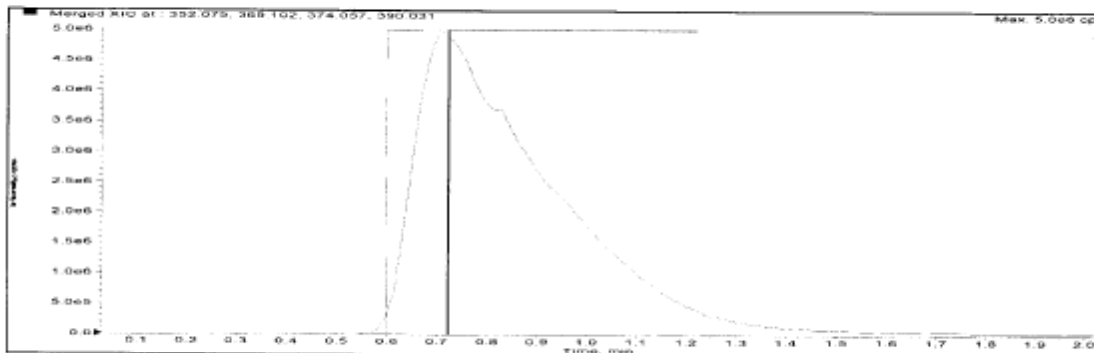
m/z	Calc m/z	Diff(ppm)	z	Abund	Formula	Ion
388.9668				141006.44		
432.9558	432.9571	-2.82	1	6353.06	C17H7Cl2N4O4S	(M-H)-
433.9591	433.9598	-1.64	1	1686.12	C17H7Cl2N4O4S	(M-H)-



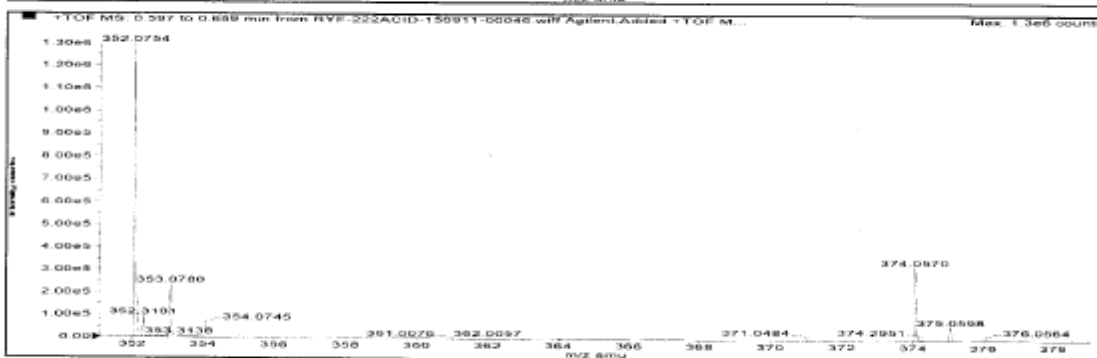
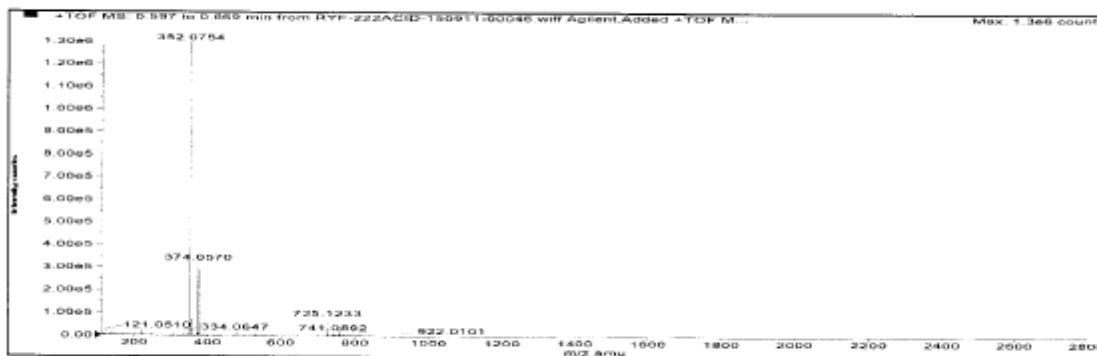
	Retention Time	% Area
1	16.900	3.59
2	17.168	96.41

Sample Name: RYF-222ACID Sample Location: P1-E-08 Sample Id: RYF-222ACID Operator: Sunia Trauger
 Data File Name: D:\PE Sclex Data\Projects\QA TOF Data\SAT\Data\RYF-222ACID-150911-00046.wiff Acq Time: September 15 2011, 10:17:43 AM
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One or more scans have failed IRM. Review the data file for details.



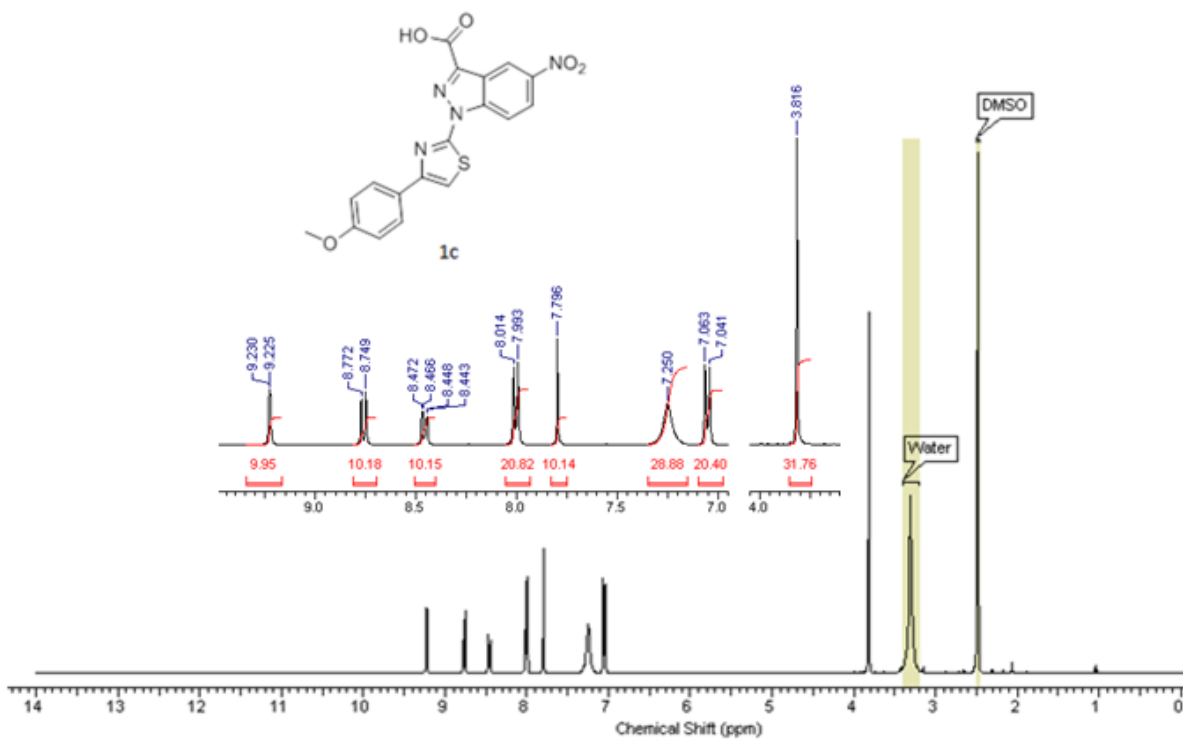
Merged XIC, Period#: 1 Experiment#: 1



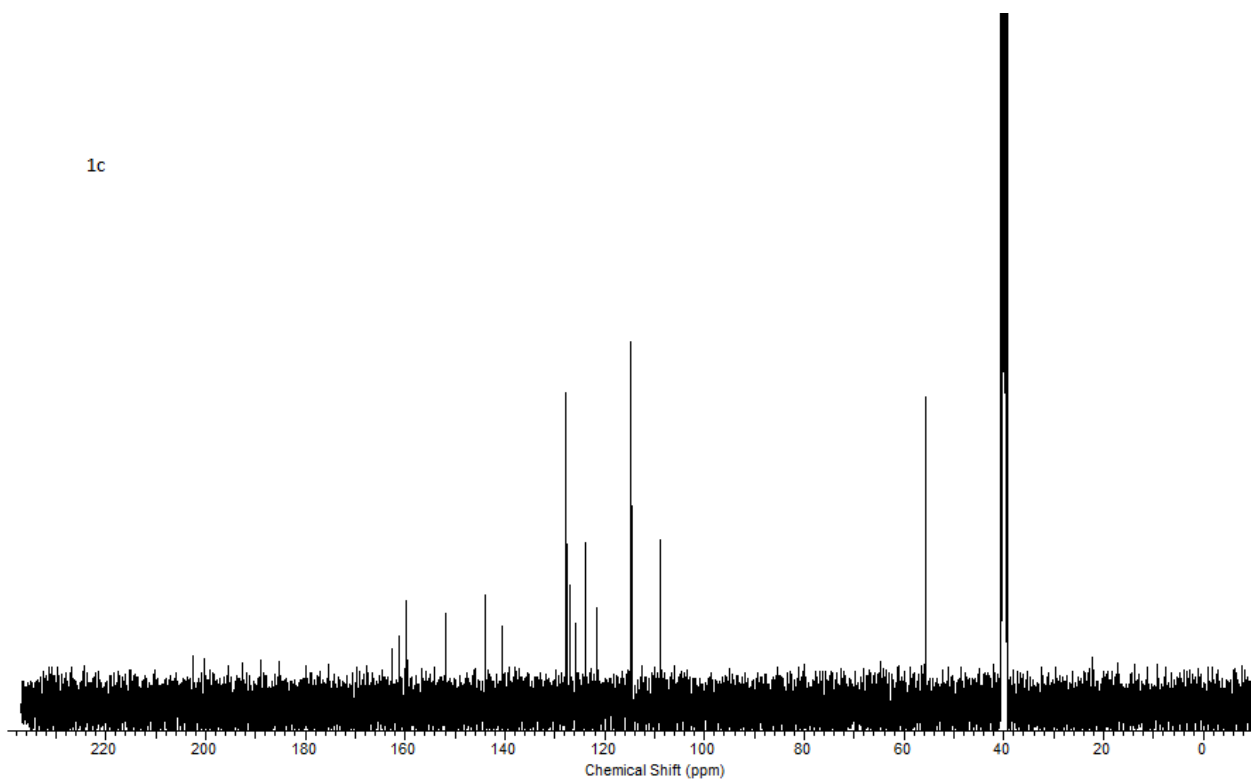
Formula	Compound name	Mass	Peak RT (min)	Peak area	Description
C18H13N3O3S	--	351.06776	0.71	9.00298 E7	--

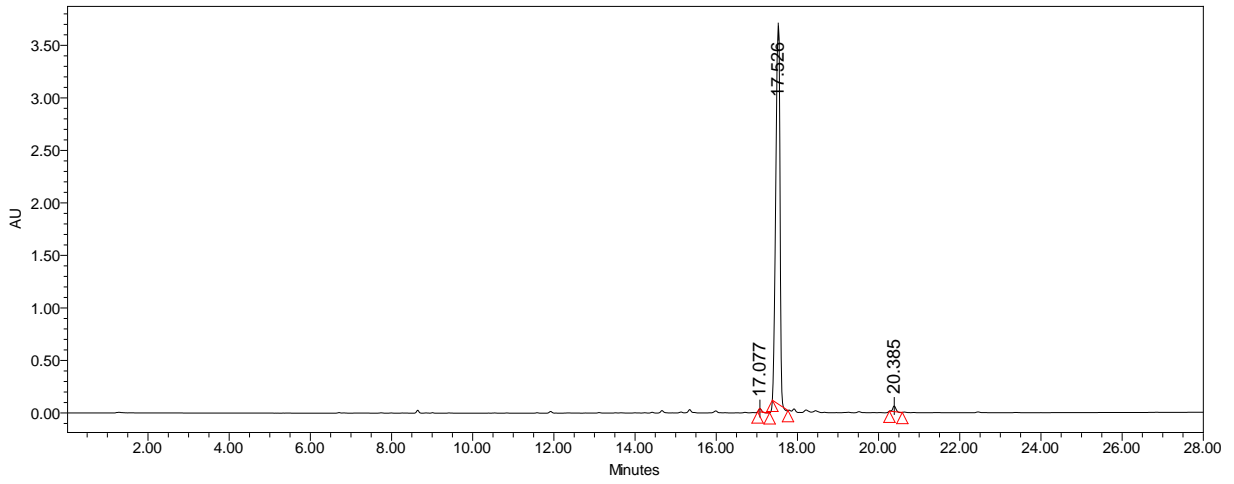
Species	Abundance (counts)	Ion Mass	Measured Mass	Error (mDa)	Error (ppm)	Ret. Time Error (min)
[M+H] ⁺	1298634.15	352.07504	352.07541	0.37623	1.07	--
[M+Na] ⁺	340202.99	374.05698	374.05702	0.03918	0.10	--

1c



1c

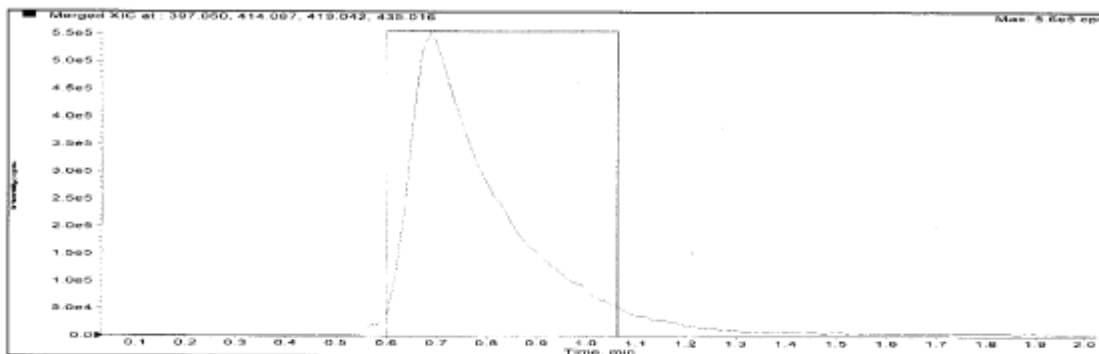




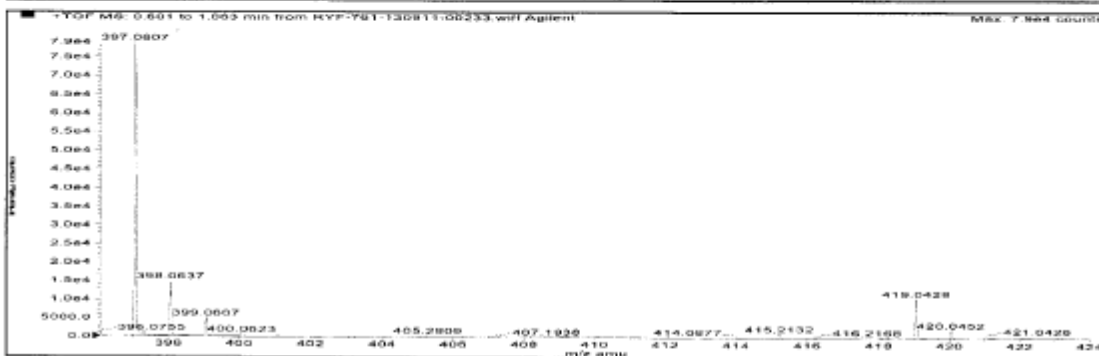
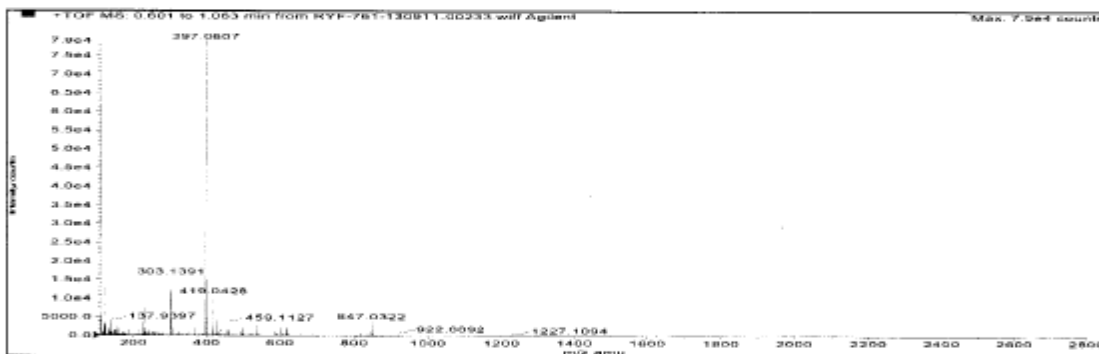
	Retention Time	% Area
1	17.077	0.64
2	17.526	98.23
3	20.385	1.13

Sample Name: RYF-761 Sample Location: P1-B-09 Sample Id: RYF-761 Operator: Sunia Trauger
 Data File Name: D:\PE_Sciex_Data\Projects\IOA_TOF_Data\SAT\Data\RYF-761-130911-00233.wiff Acq Time: September 13 2011, 04:05:36 PM
 Method: D:\TOF_Data\damethods\HRES_FIA_2M_0.2R_ANM.ANM.mfc.xml

One or more scans have failed IRM. Review the data file for details.



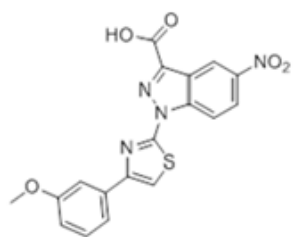
Merged XIC, Period#: 1 Experiment#: 1



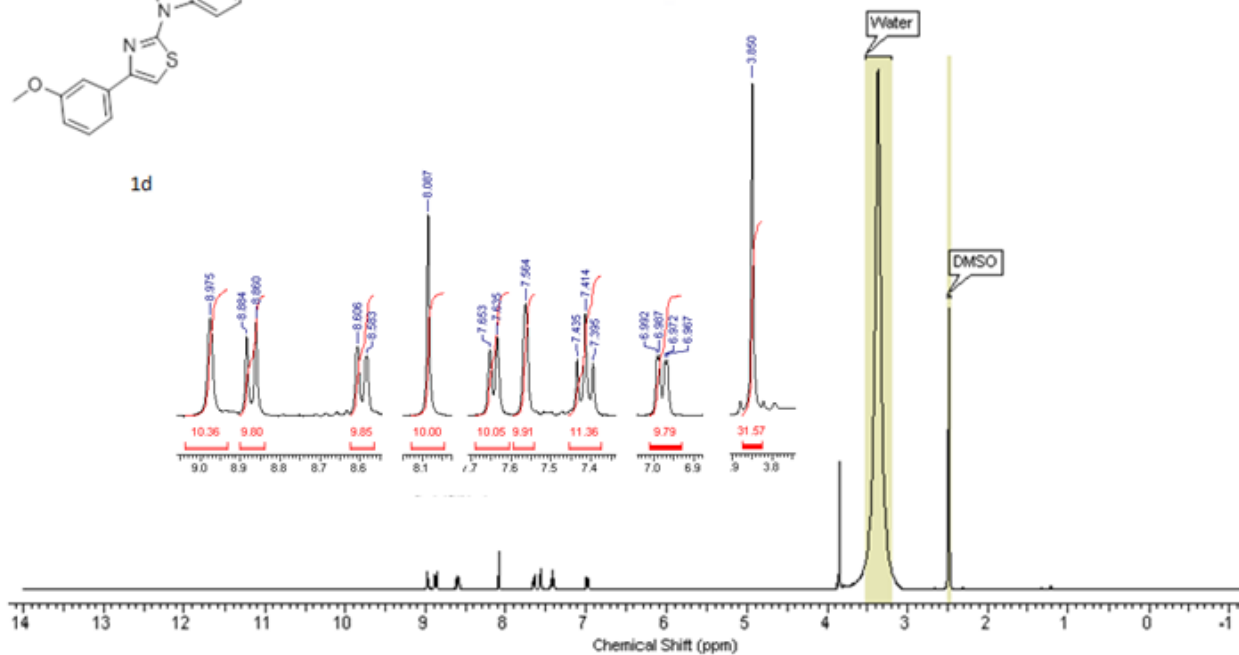
Formula	Compound name	Mass	Peak RT (min)	Peak area	Description
C ₁₈ H ₁₂ N ₄ O ₅ S	--	396.05284	0.69	6.34707 E6	--

Species	Abundance (counts)	Ion Mass	Measured Mass	Error (mDa)	Error (ppm)	Ret. Time Error (min)
[M+H] ⁺	82789.94	397.08012	397.08071	0.59698	1.50	--
[M+Na] ⁺	11309.18	419.04206	419.04280	0.74363	1.77	--

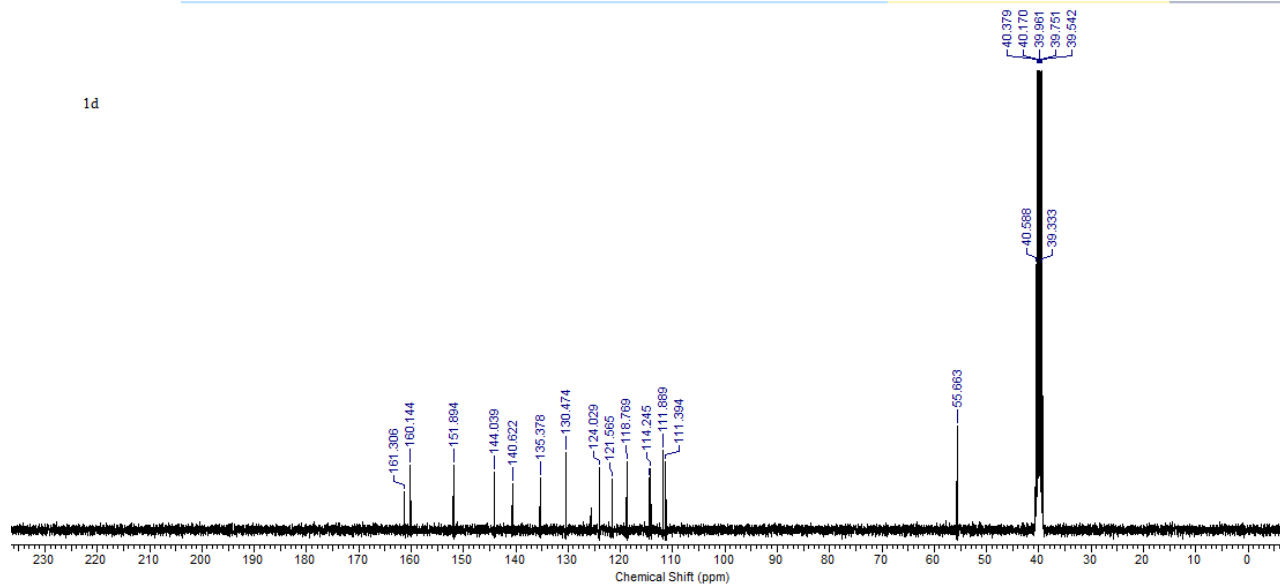
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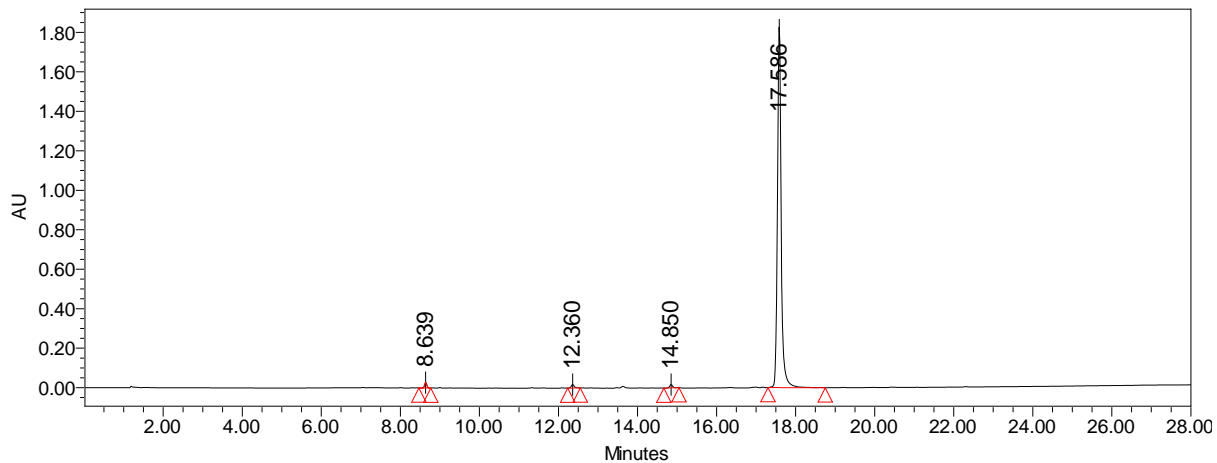


1d



1d

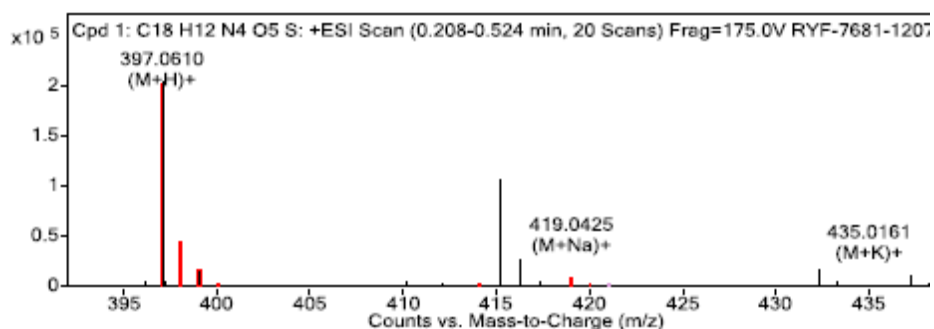
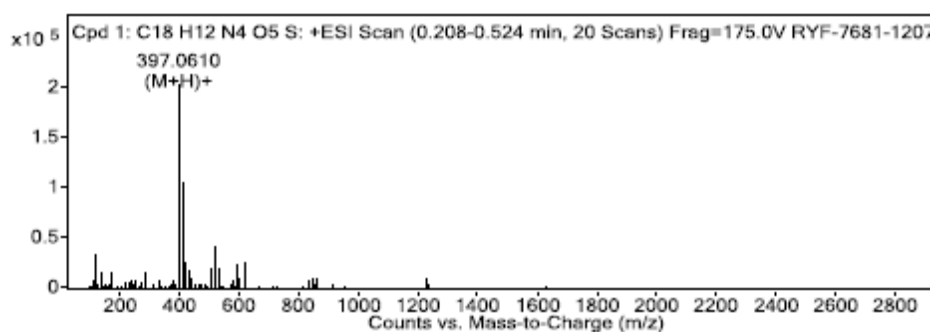
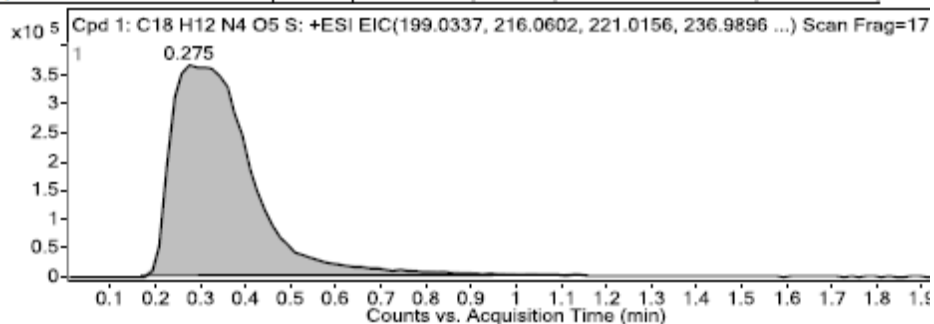




	Retention Time	% Area
1	8.639	0.91
2	12.360	0.76
3	14.850	0.69
4	17.586	97.64

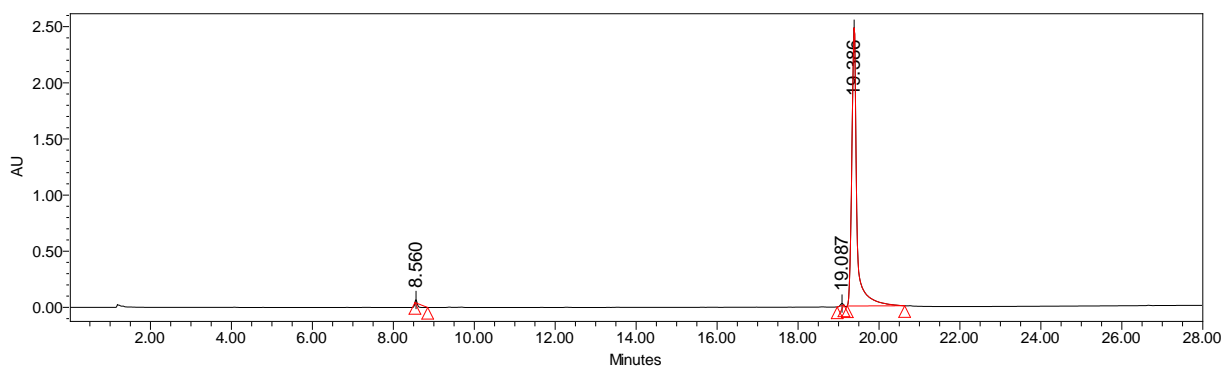
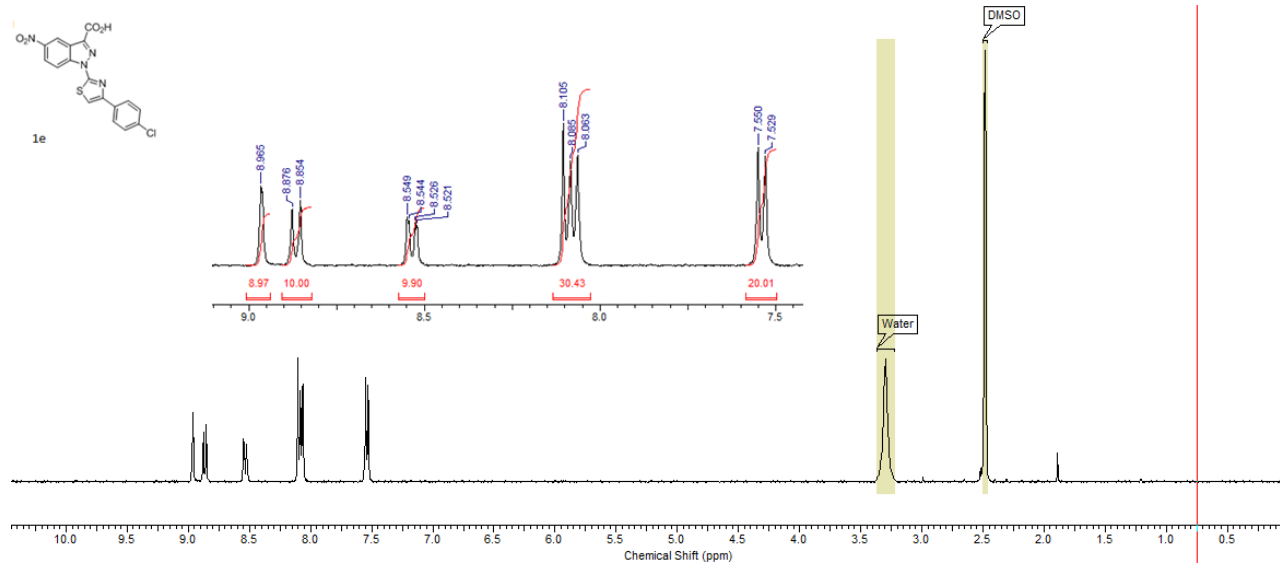
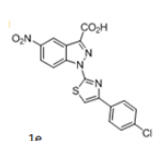
Sample Name RYF-768 **Position** P1-A03 **Instrument Name**
User Name Revital Freedman **Inj Vol** 1 **IRM Calibration St**
Data Filename RYF-7681-120712-0038 **ACQ Method** OA_FIA_POS.M **Comment**
Acquired Time 7/12/2012 3:17:46 PM

Compound Label	RT	Mass	Abund	Formula	Tot Mass
Cpd 1: C18 H12 N4 O5 S	0.275	396.0538	204147	C18 H12 N4 O5 S	396.0528



m/z	Calc m/z	Diff(ppm)	z	Abund	Formula	Ion
397.061	397.0601	2.26	1	204146.78	C18H13N4O5S	(M+H)+
398.0636	398.0629	1.75	1	42701.98	C18H13N4O5S	(M+H)+
399.0617	399.0599	4.44	1	15002.97	C18H13N4O5S	(M+H)+
400.0658	400.0614	11.04	1	2986.19	C18H13N4O5S	(M+H)+
401.0686	401.0626	15.07	1	318.03	C18H13N4O5S	(M+H)+
414.0863	414.0867	-0.87	1	727.95	C18H16N5O5S	(M+NH4)+
415.0755	415.0894	-33.49	1	159.72	C18H16N5O5S	(M+NH4)+
419.0425	419.0421	1.14	1	7972.93	C18H12N4NaO5S	(M+Na)+
420.0458	420.0449	2.11	1	1978.23	C18H12N4NaO5S	(M+Na)+
435.0161	435.016	0.29	1	468.17	C18H12KN4O5S	(M+K)+

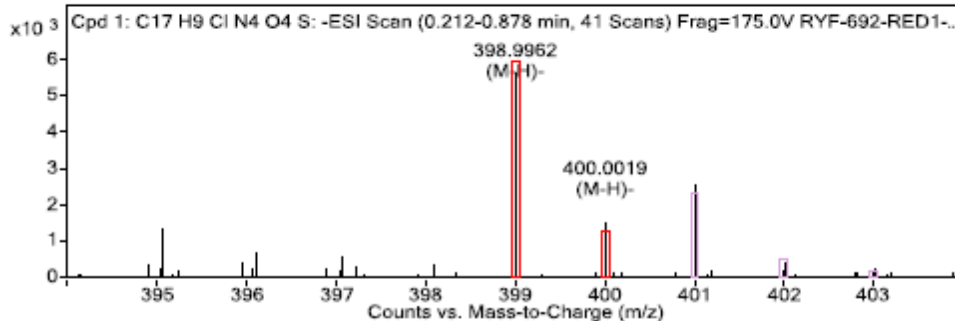
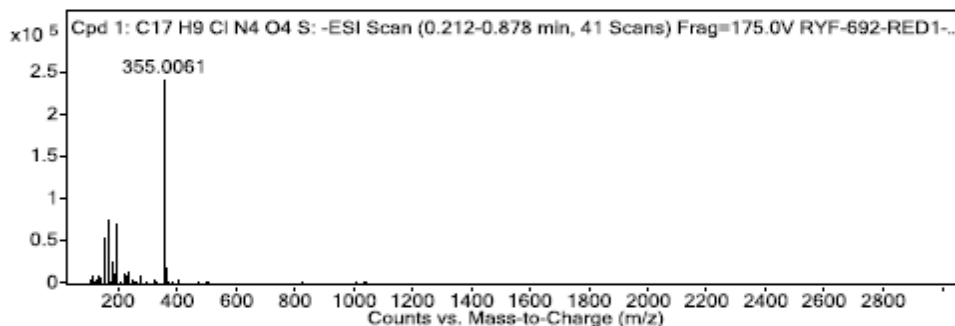
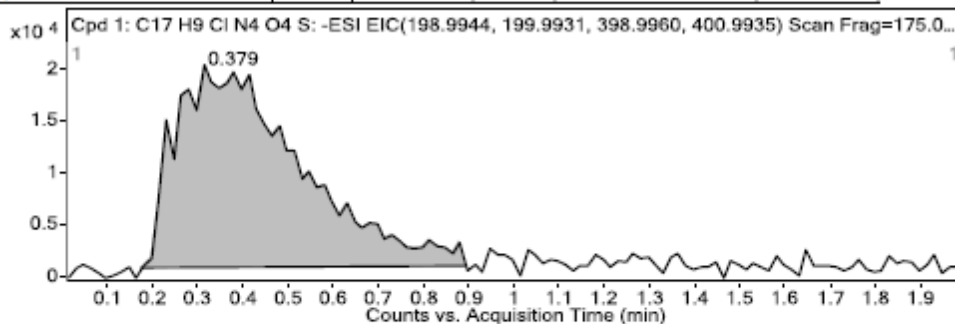
1e



	Retention Time	% Area
1	8.560	1.37
	19.386	98.63

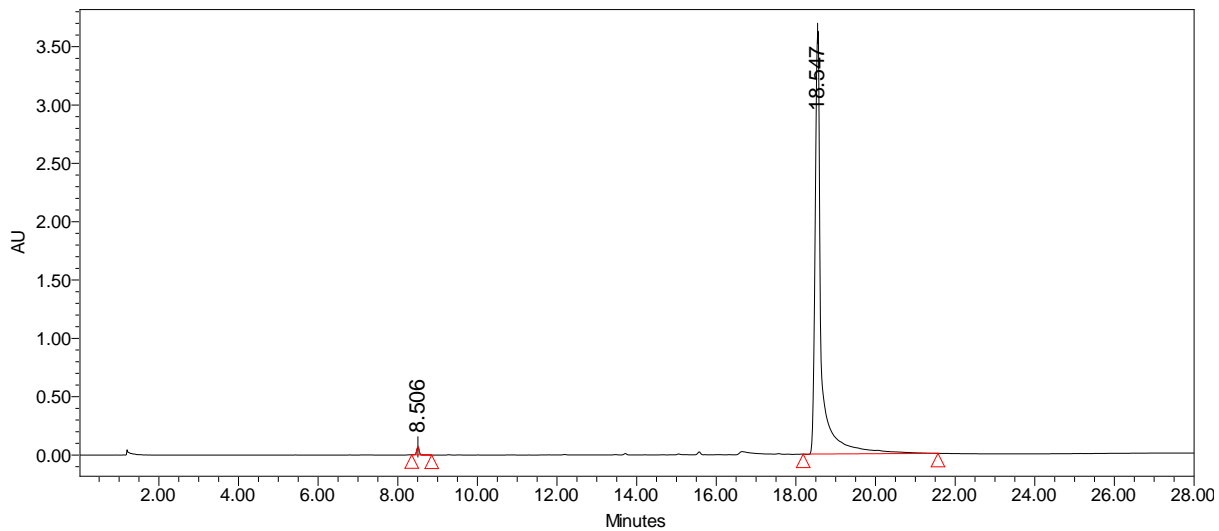
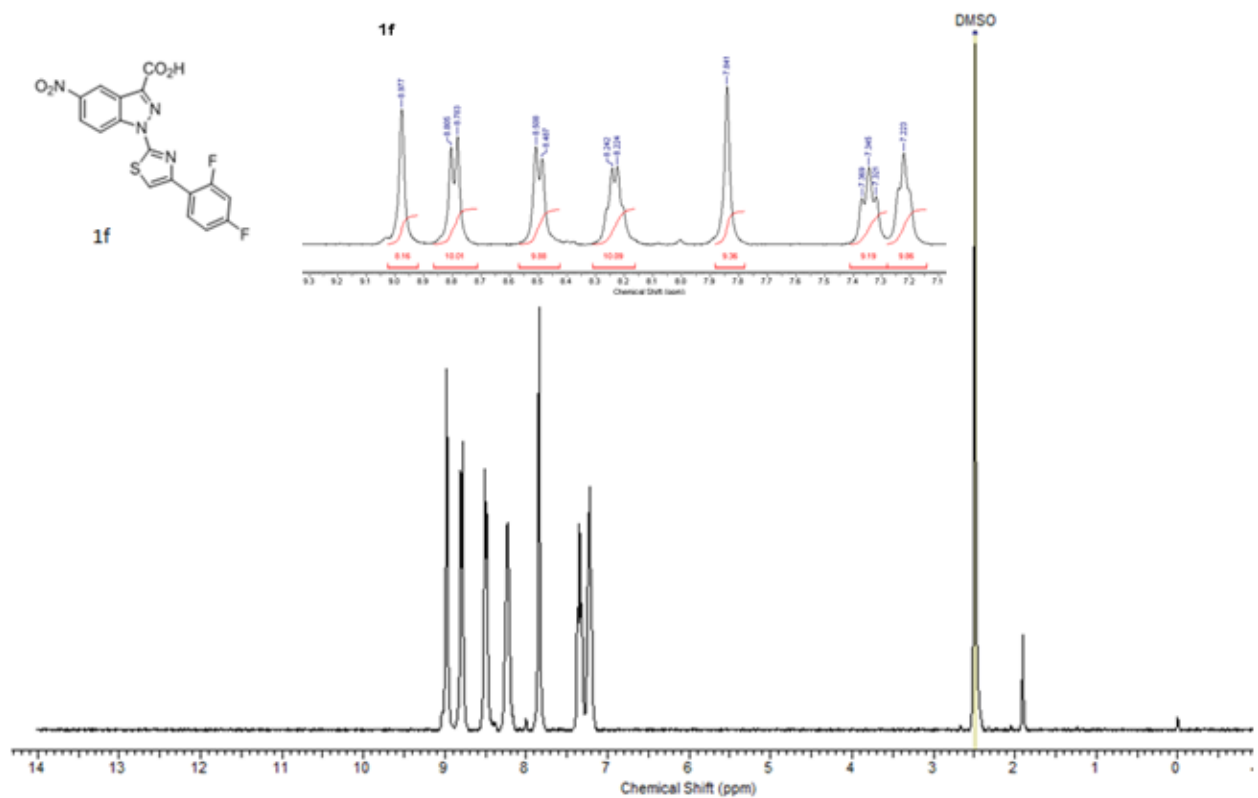
Sample Name RYF-692-red **Position** P2-F01 **Instrument Name**
User Name Revital Freedman **Inj Vol** 0.2 **IRM Calibration Status**
Data Filename RYF-692-RED1-060712- **ACQ Method** OA_FIA_NEG.M **Comment**
Acquired Time 7/6/2012 12:53:49 PM

Compound Label	RT	Mass	Abund	Formula	Tot Mass
Cpd 1: C17 H9 Cl N4 O4 S	0.379	400.0041	5627	C17 H9 Cl N4 O4 S	400.0033



m/z	Calc m/z	Diff(ppm)	z	Abund	Formula	Ion
355.0061				241626.84		
398.9962	398.996	0.49	1	5626.71	C17H8ClN4O4S	(M-H)-
400.0019	399.9988	7.7	1	1529.63	C17H8ClN4O4S	(M-H)-

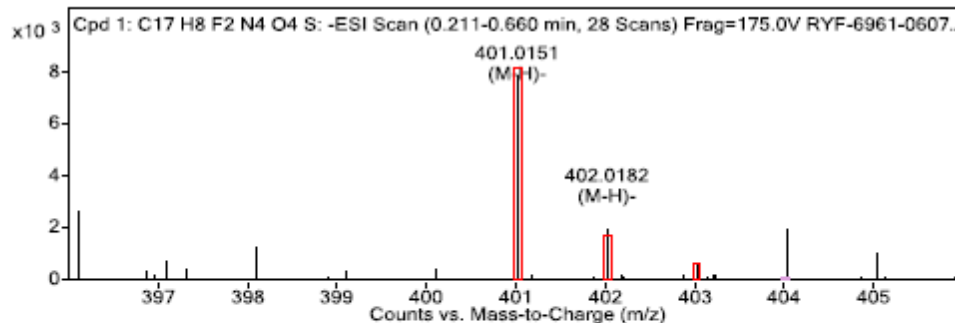
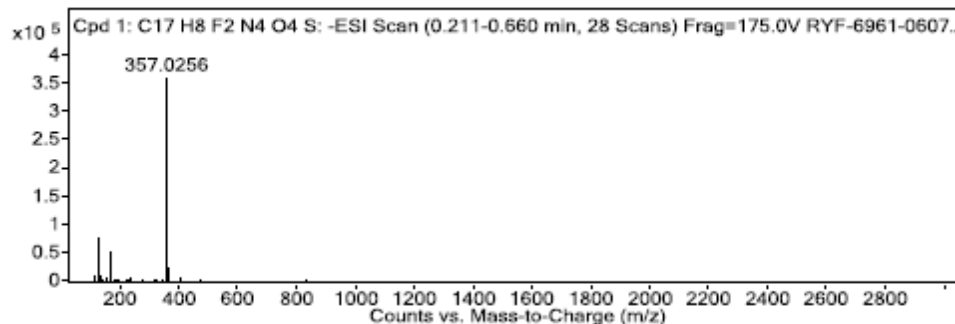
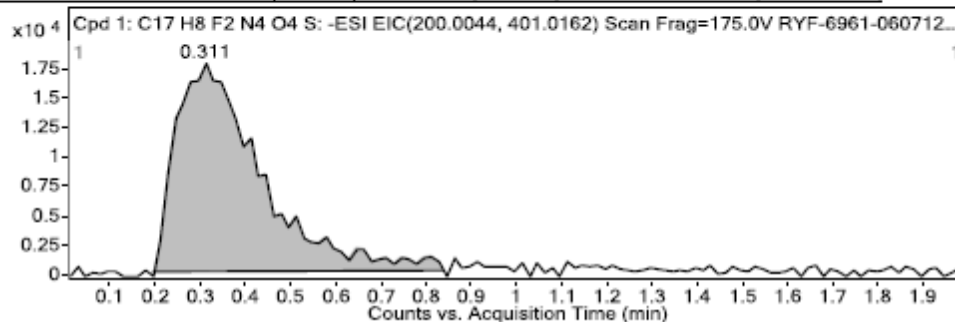
1f



	Retention Time	% Area
1	8.506	0.73
2	18.547	99.27

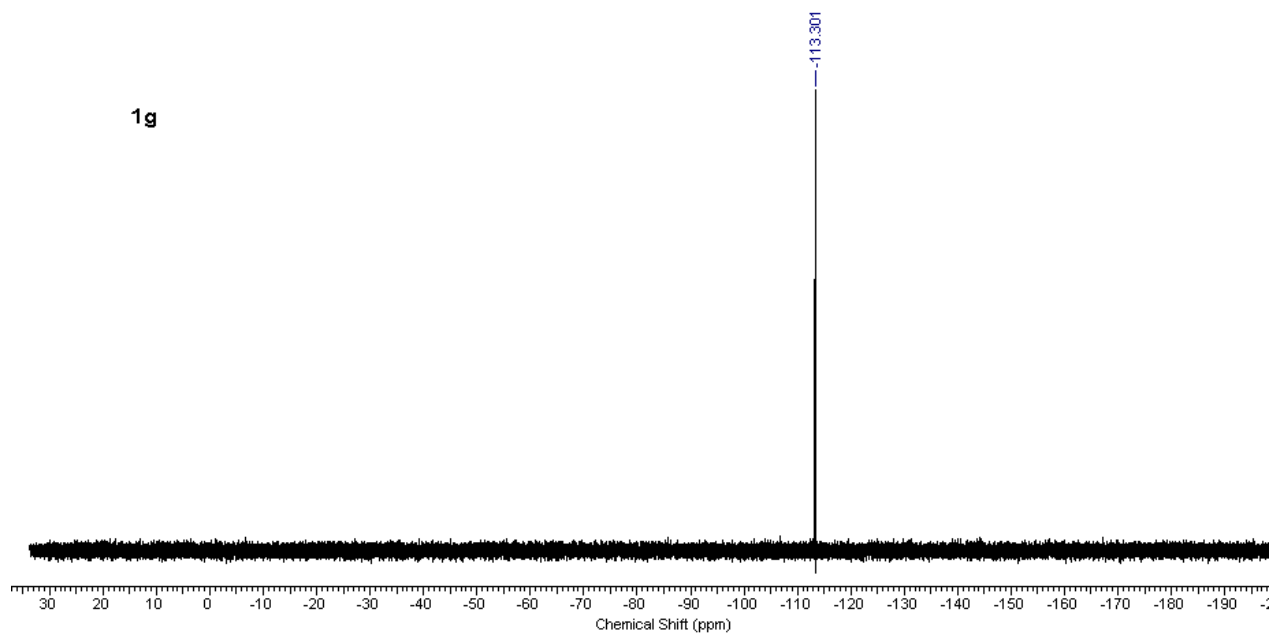
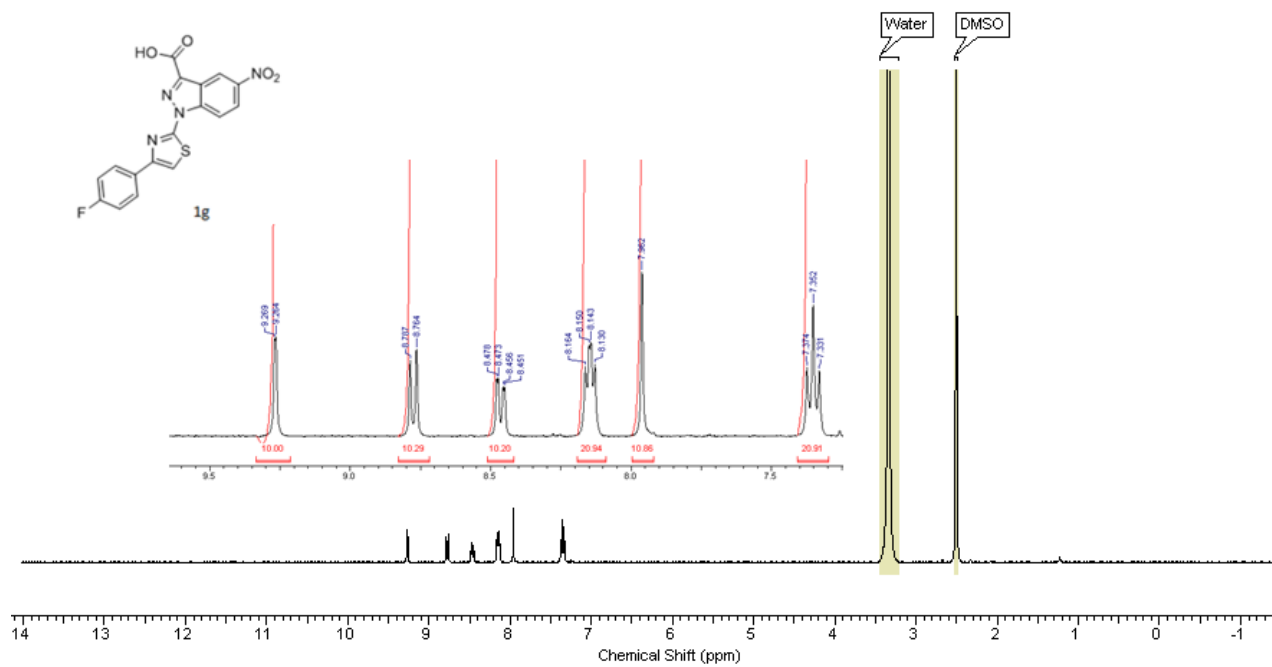
Sample Name	RYP-696	Position	P2-E05	Instrument Name
User Name	Revital Freedman	Inj Vol	0.2	IRM Calibration Status
Data Filename	RYP-6961-060712-0027	ACQ Method	OA_FIA_NEG.M	Comment
Acquired Time	7/6/2012 12:32:27 PM			

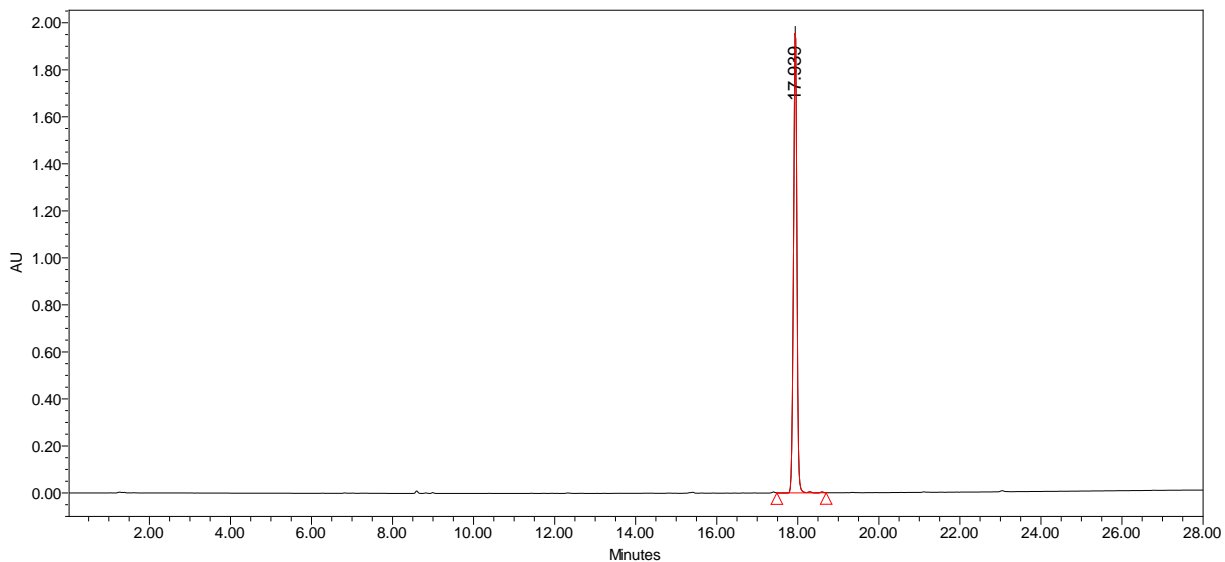
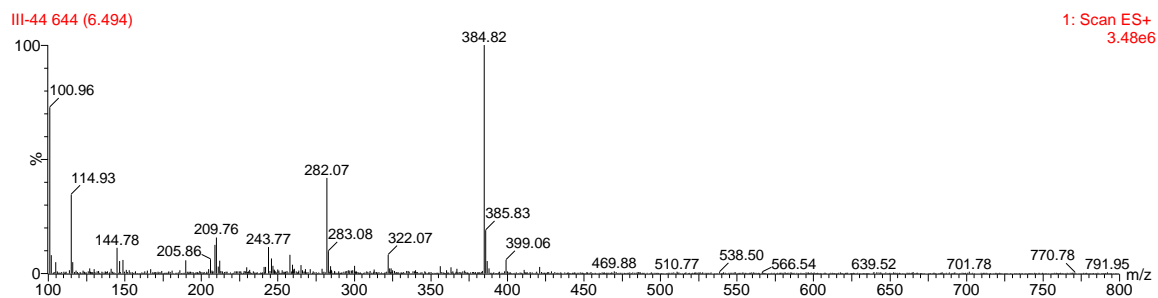
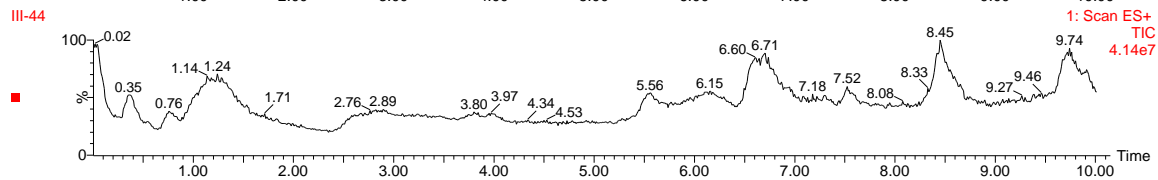
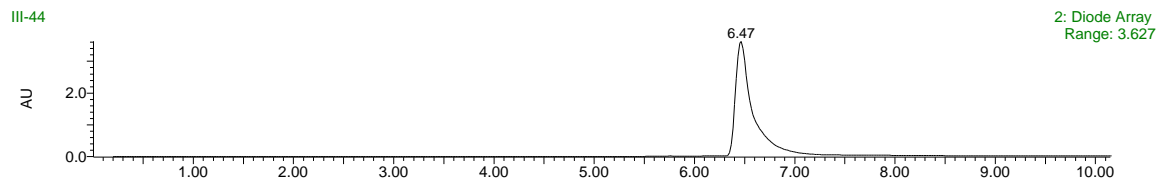
Compound Label	RT	Mass	Abund	Formula	Tot Mass
Cpd 1: C17 H8 F2 N4 O4 S	0.311	402.0224	7864	C17 H8 F2 N4 O4 S	402.0234



m/z	Calc m/z	Diff(ppm)	z	Abund	Formula	Ion
357.0256				361141.34		
401.0151	401.0162	-2.55	1	7864.1	C17H7F2N4O4S	(M-H)-
402.0182	402.0189	-1.89	1	1953.29	C17H7F2N4O4S	(M-H)-
403.014	403.0156	-4.08	1	604.99	C17H7F2N4O4S	(M-H)-

1g

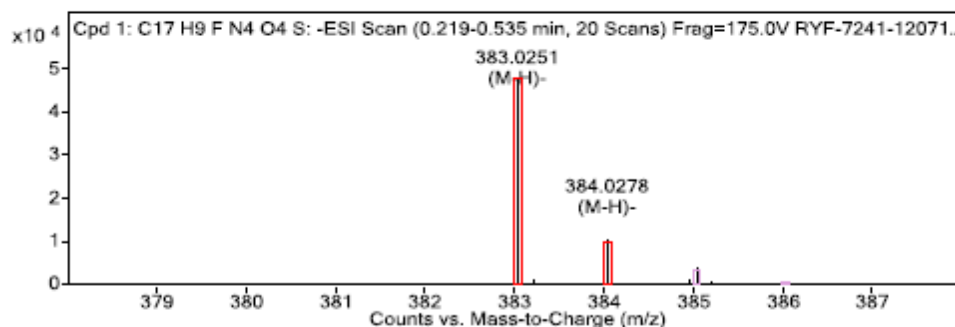
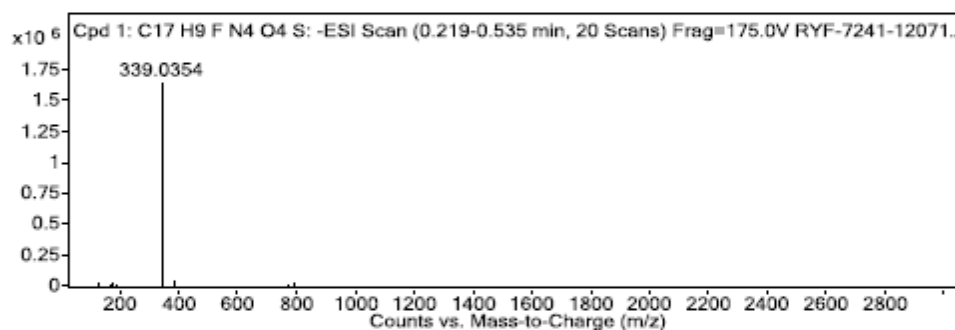
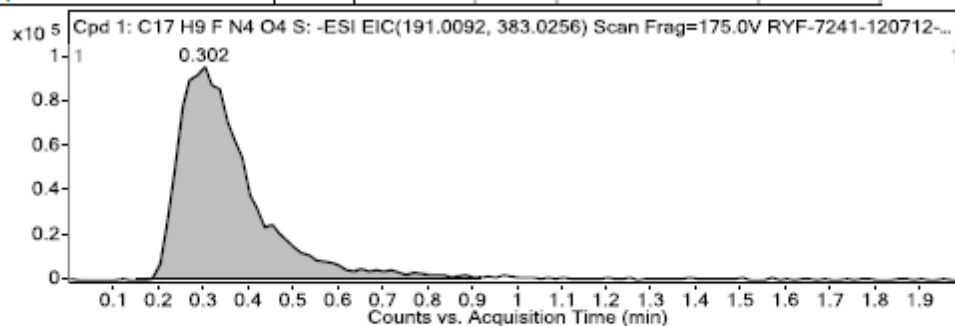




	Retention Time	% Area
1	17.939	100.00

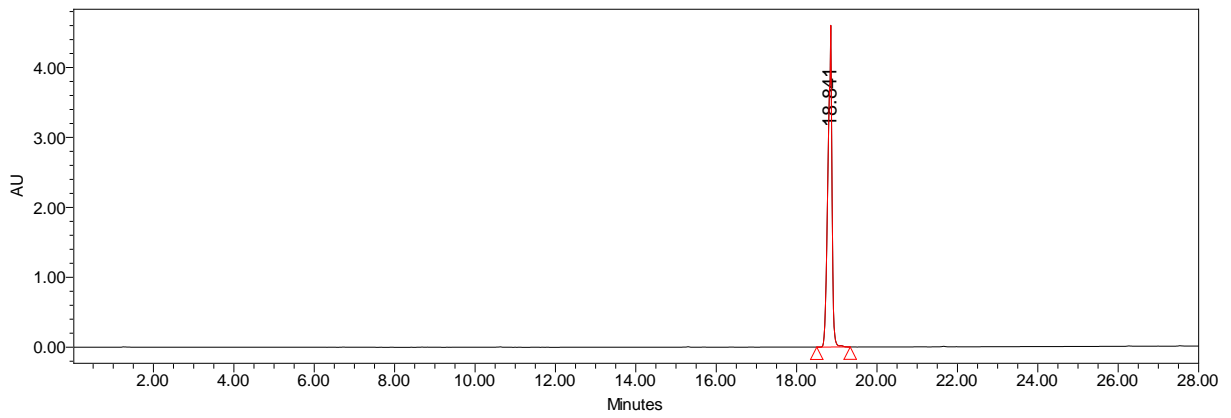
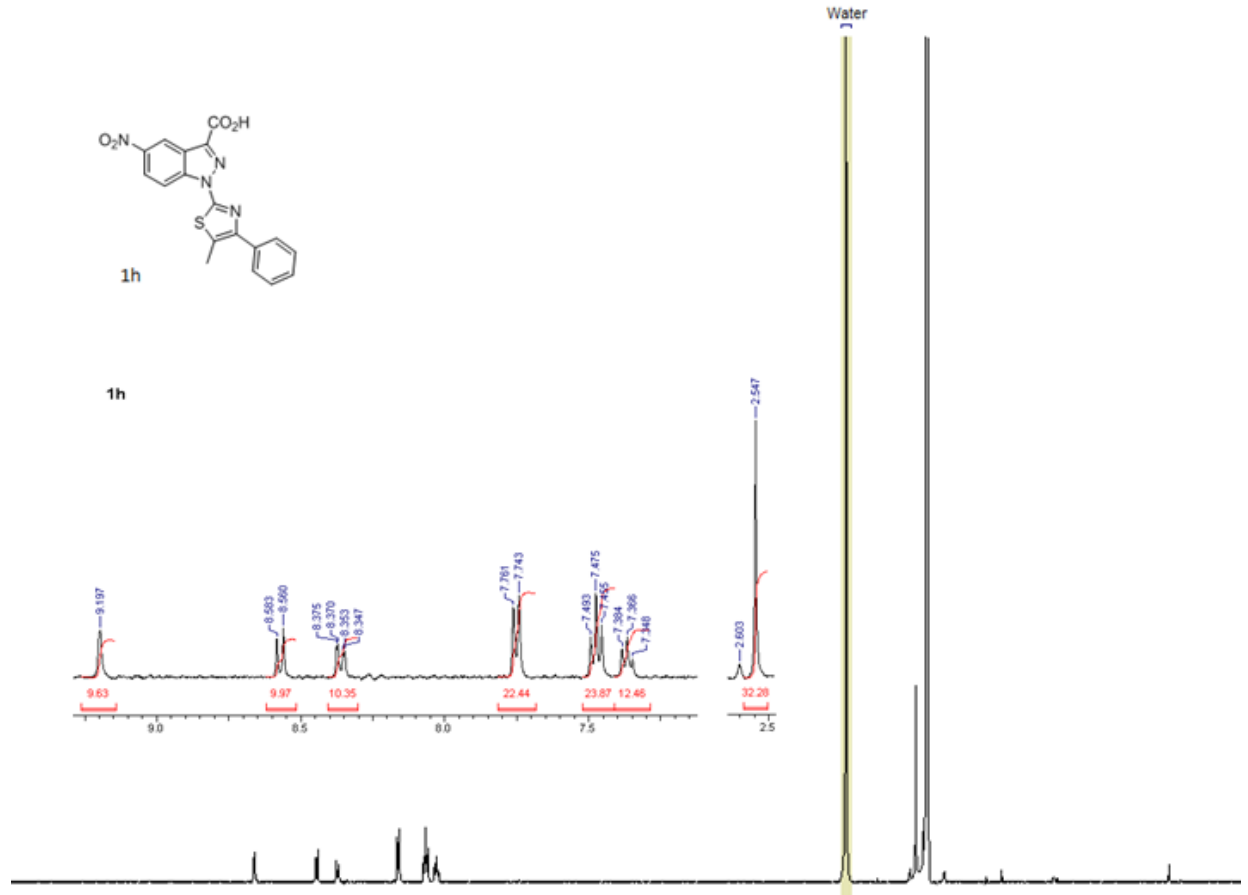
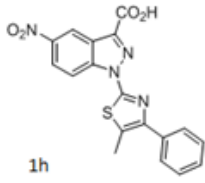
Sample Name RYF-724 **Position** P1-A05 **Instrument Name**
User Name Revital Freedman **Inj Vol** 0.2 **IRM Calibration Status**
Data Filename RYF-7241-120712-0038 **ACQ Method** OA_FIA_NEG.M **Comment**
Acquired Time 7/12/2012 3:27:34 PM

Compound Label	RT	Mass	Abund	Formula	Tot Mass
Cpd 1: C17 H9 F N4 O4 S	0.302	384.0324	47470	C17 H9 F N4 O4 S	384.0329



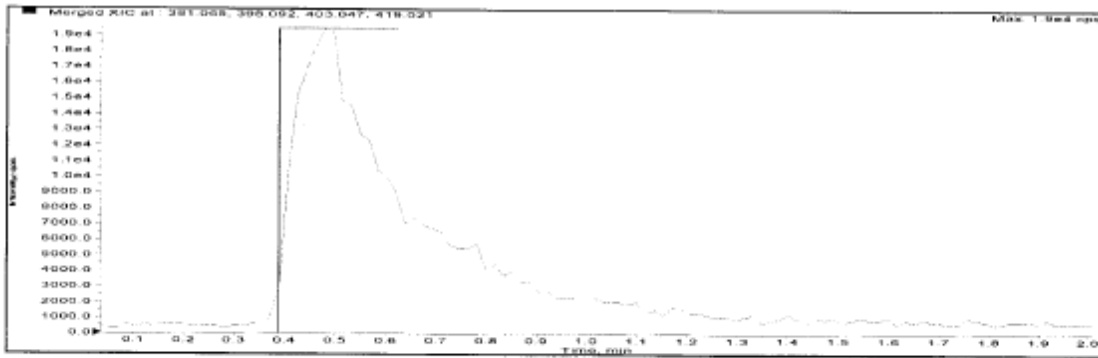
m/z	Calc m/z	Diff(ppm)	z	Abund	Formula	Ion
339.0354				1652382.63		
383.0251	383.0256	-1.12	1	47469.64	C17H8FN4O4S	(M-H)-
384.0278	384.0284	-1.4	1	10375.45	C17H8FN4O4S	(M-H)-

1h

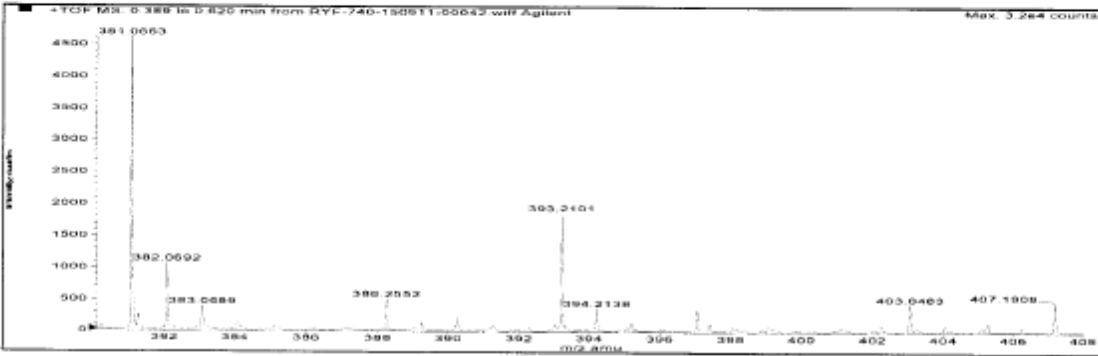
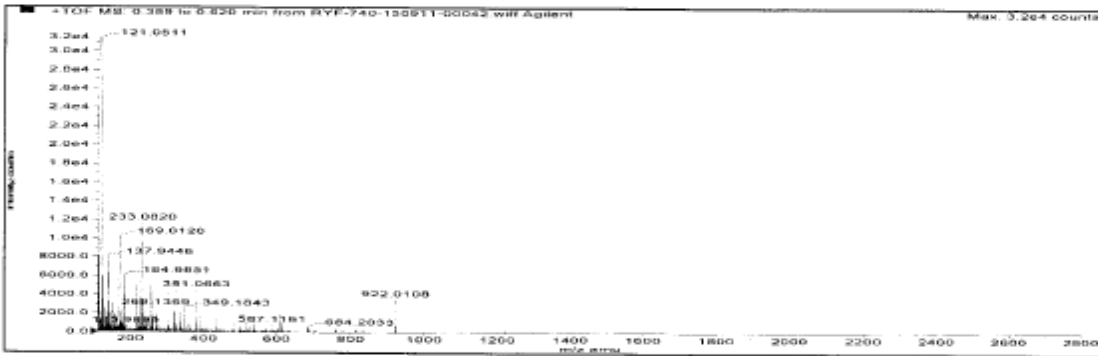


	Retention Time	% Area
1	18.841	100.00

Sample Name: RYF-740 Sample Location: P1-E-04 Sample Id: RYF-740 Operator: Sunia Trauger
 Data File Name: D:\PE Sciex Data\Projects\QA TOF Data\SAT\Data\RYF-740-150911-00042.wiff Acq Time: September 15 2011, 09:57:00 AM
 Method: D:\TOF_Data\damethods\HRES_FIA_2M_0.2R_ANM\ANM1efc.xml



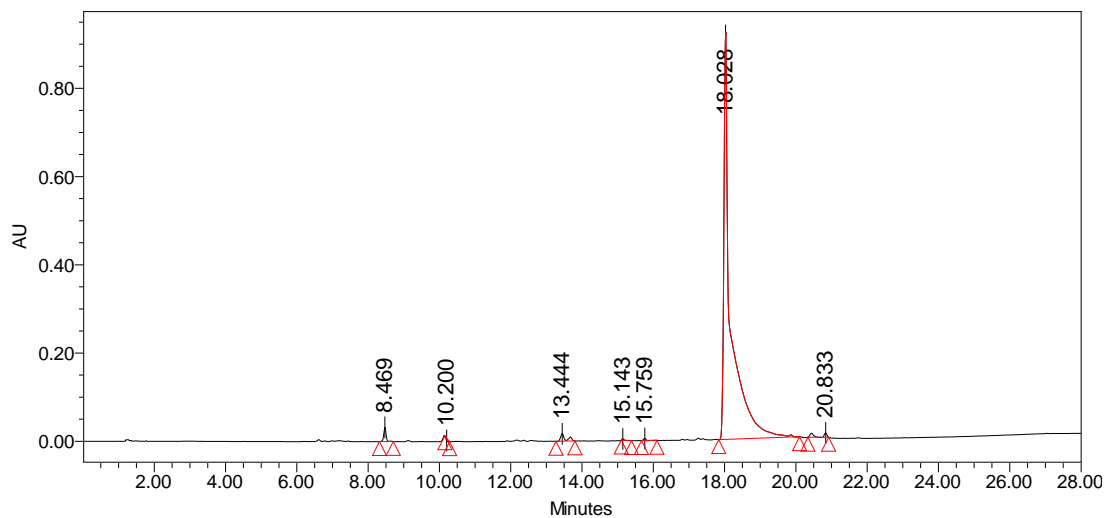
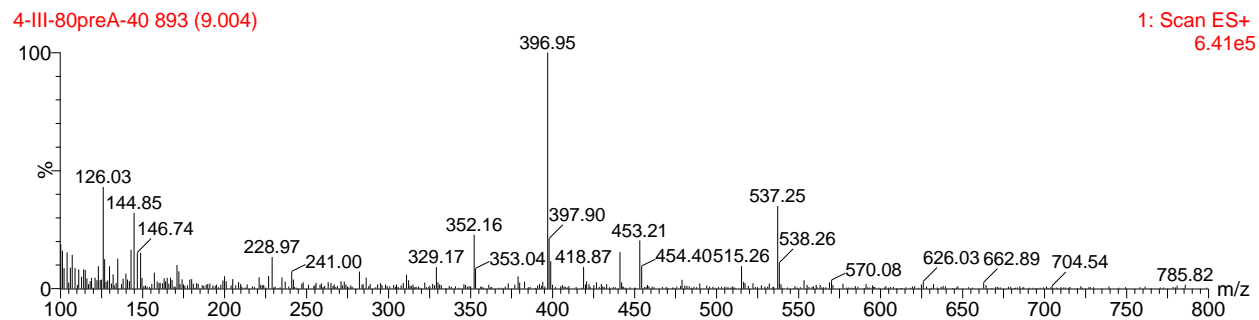
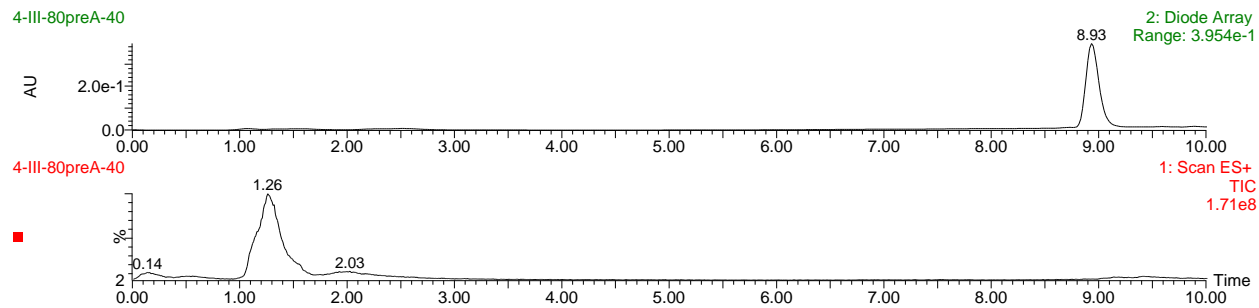
Merged XIC, Period# : 1 Experiment# : 1



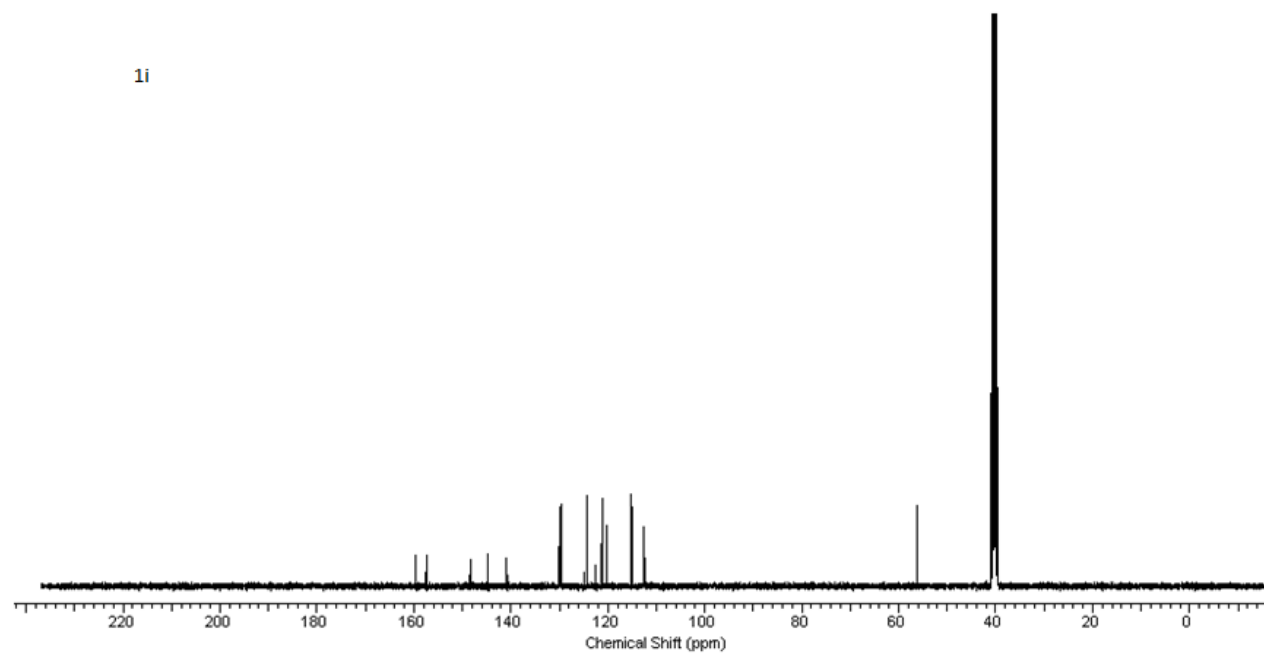
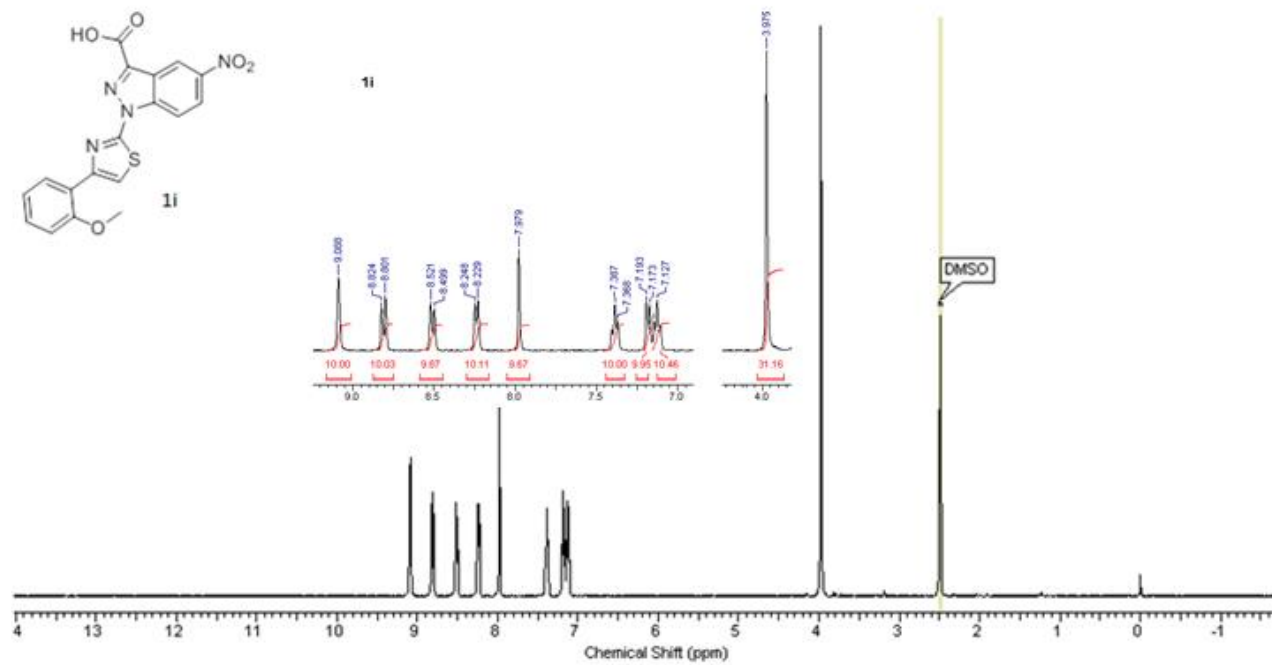
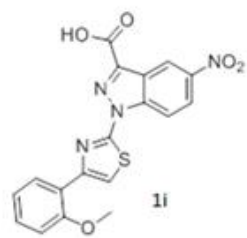
Formula	Compound name	Mass	Peak RT (min)	Peak area	Description
C18H12N4O4S	--	380.05793	0.49	1.38889 E5	--

Species	Abundance (counts)	Ion Mass	Measured Mass	Error (mDa)	Error (ppm)	Ret. Time Error (min)
[M+H] ⁺	4733.09	381.05520	381.08635	1.14490	3.00	--

1i

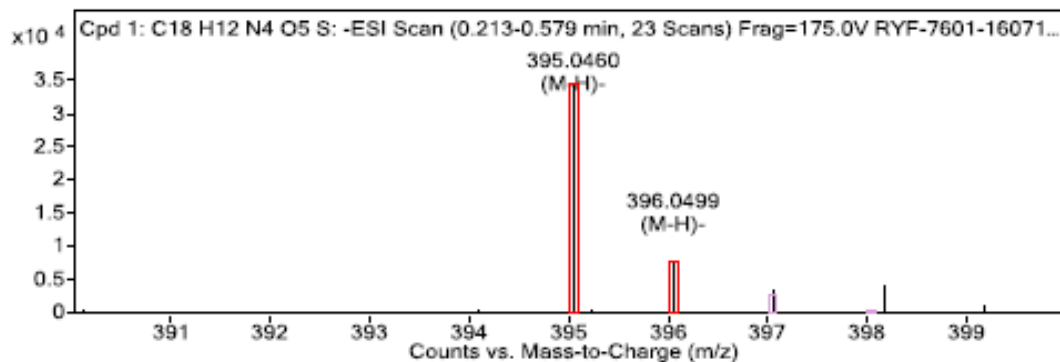
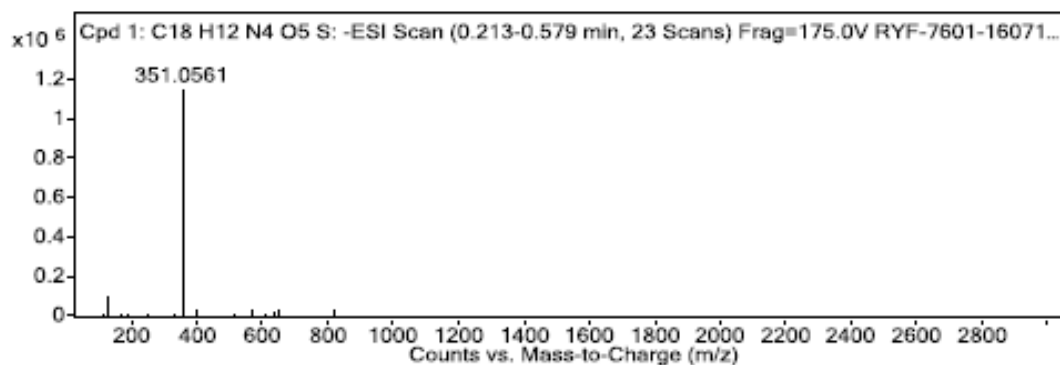
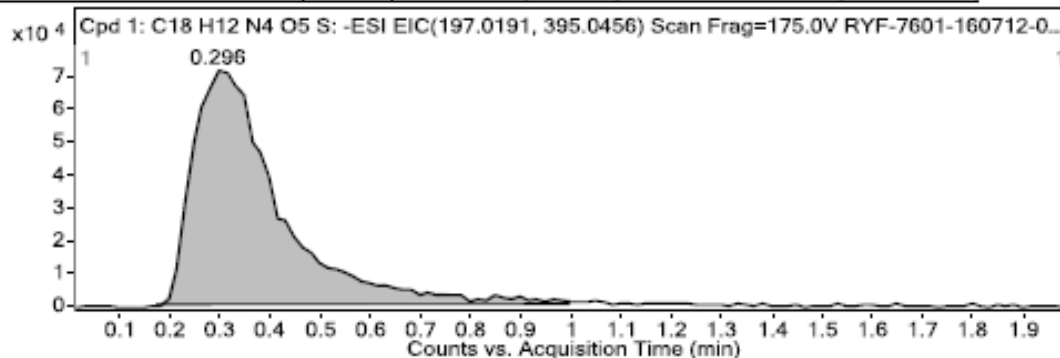


	Retention Time	% Area
1	8.469	1.14
2	10.200	0.21
3	13.444	1.27
4	15.143	0.10
5	15.759	0.22
6	18.028	96.17
7	20.833	0.90



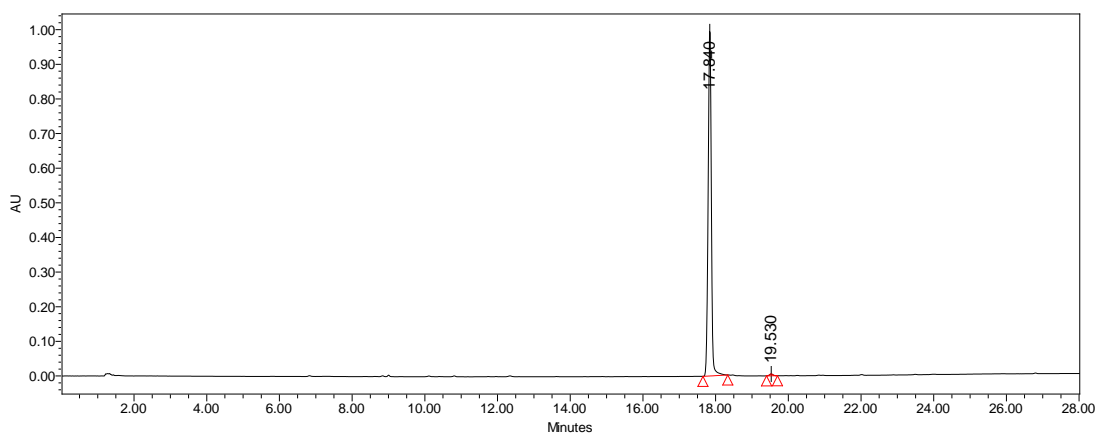
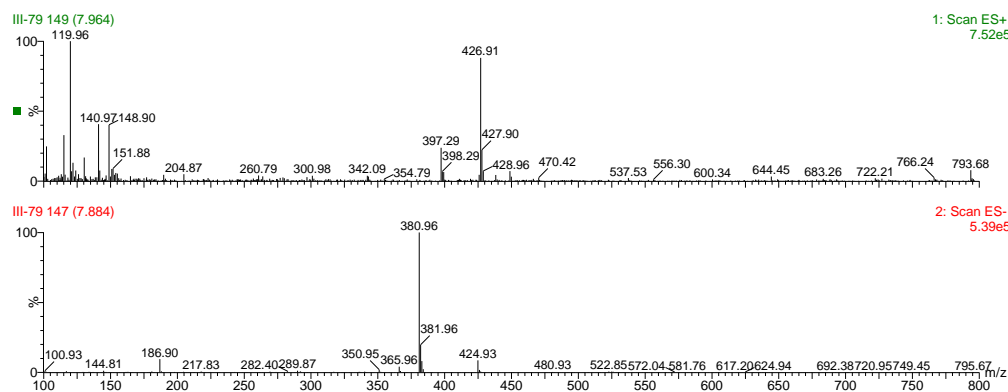
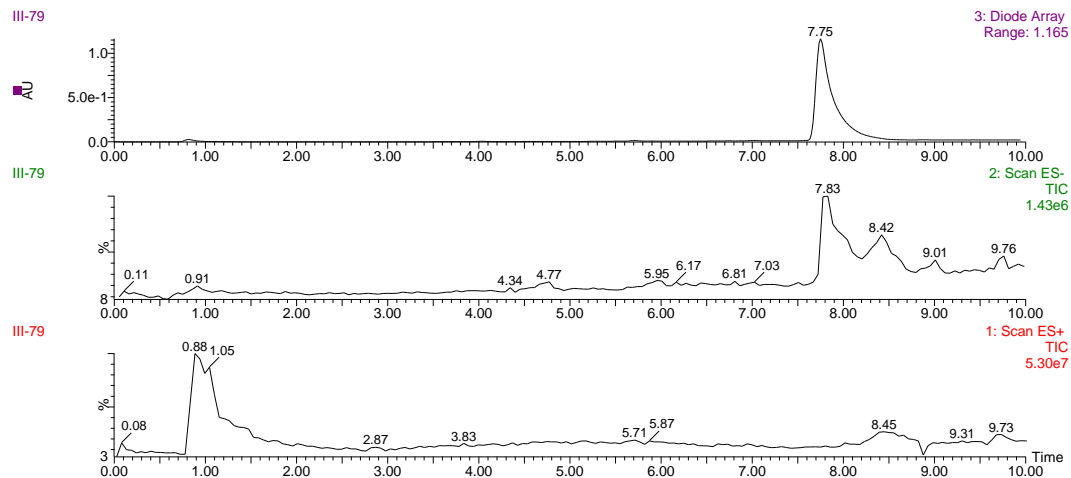
Sample Name	RYP-760	Position	P1-D05	Instrument Name
User Name	Revital Freedman	Inj Vol	0.2	IRM Calibration Status
Data Filename	RYP-7601-160712-0048	ACQ Method	OA_FIA_NEG.M	Comment
Acquired Time	7/17/2012 1:08:01 AM			

Compound Label	RT	Mass	Abund	Formula	Tot Mass
Cpd 1: C18 H12 N4 O5 S	0.296	396.0535	34278	C18 H12 N4 O5 S	396.0528

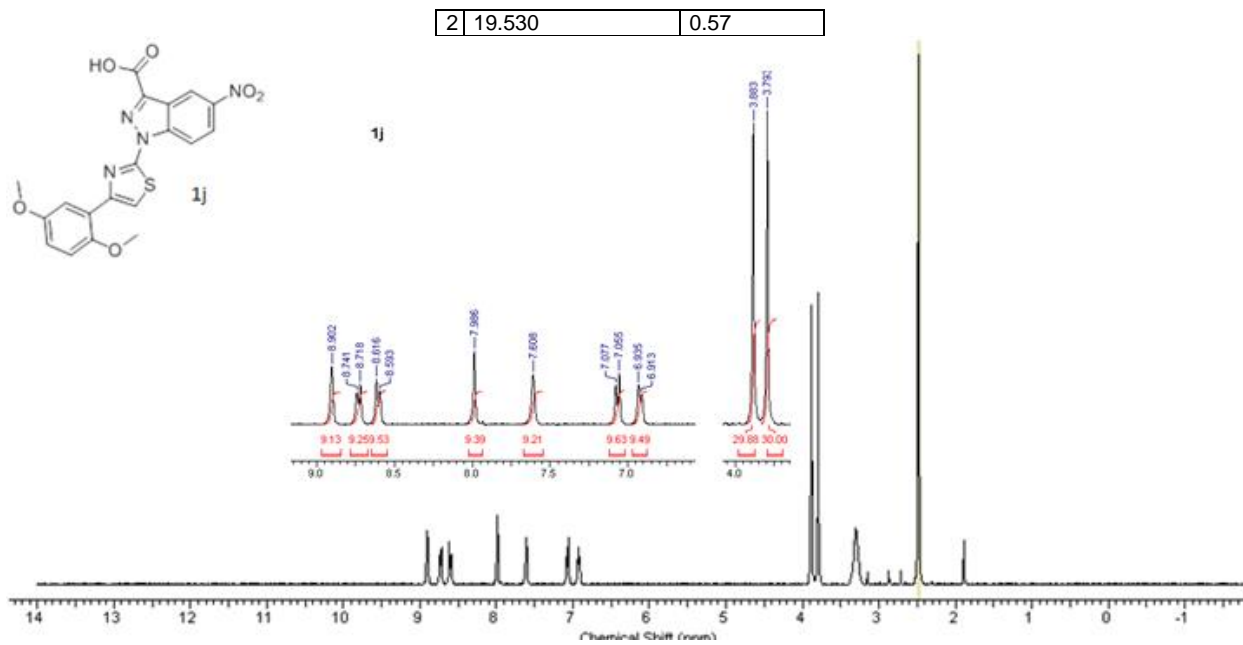


m/z	Calc m/z	Diff(ppm)	z	Abund	Formula	Ion
351.0561				1154128.75		
395.046	395.0456	1.05	1	34278.25	C18H11N4O5S	(M-H)-
396.0499	396.0484	3.8	1	7887.01	C18H11N4O5S	(M-H)-

1j

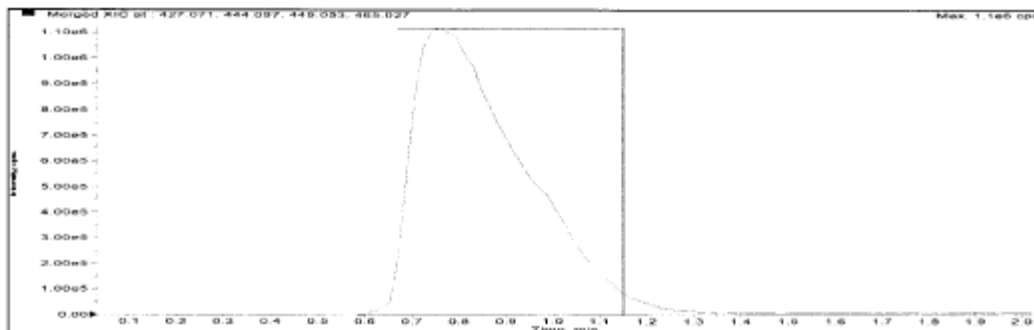


	Retention Time	% Area
1	17.840	99.43

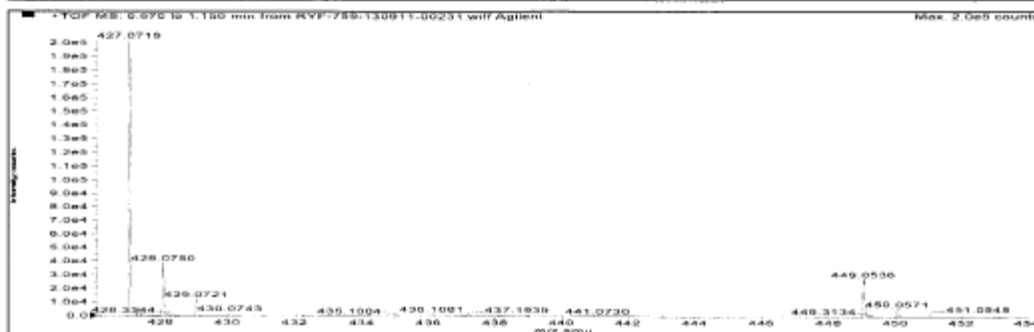
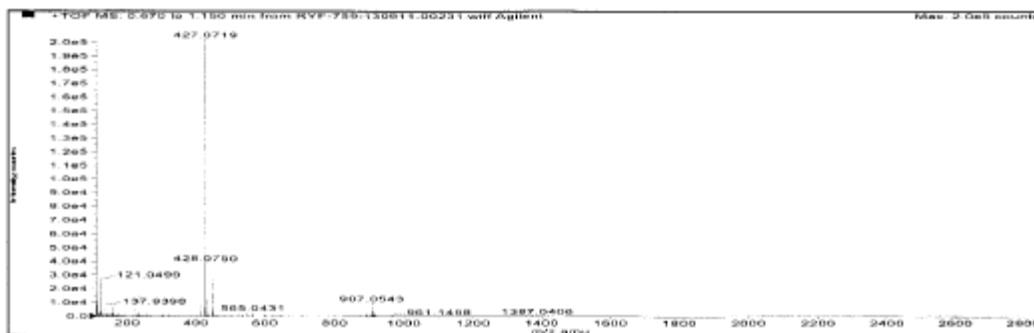


Sample Name: RYF-759 Sample Location: P1-B-07 Sample Id: RYF-759 Operator: Sunia Trauger
 Data File Name: D:\PE_Sciex_Data\Projects\QA_TOF_Data\SAT\Data\RYF-759-130911-00231.wiff Acq Time: September 13 2011, 03:56:00 PM
 Method: D:\TOF_Data\damethods\HRES_FIA_2M_0_2R_ANM.ANM\efc.xml

One or more scans have failed IRM. Review the data file for details.



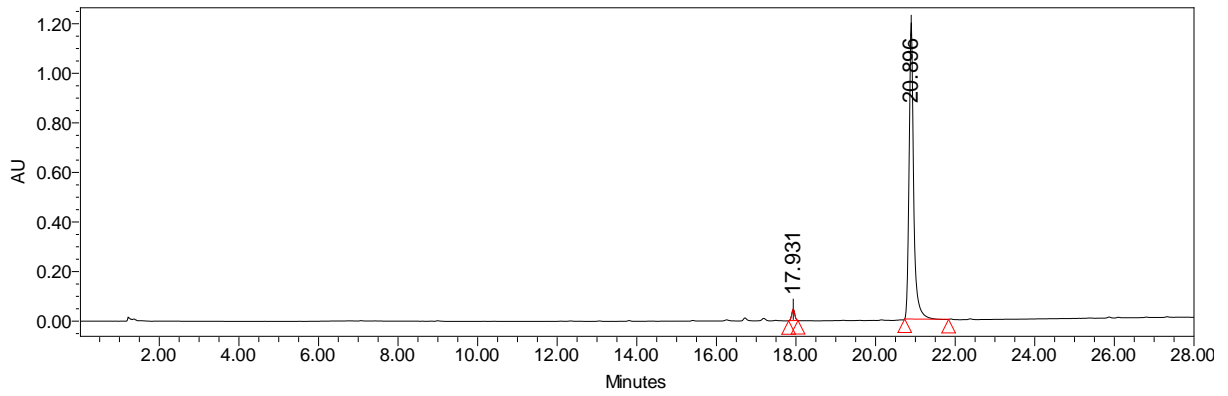
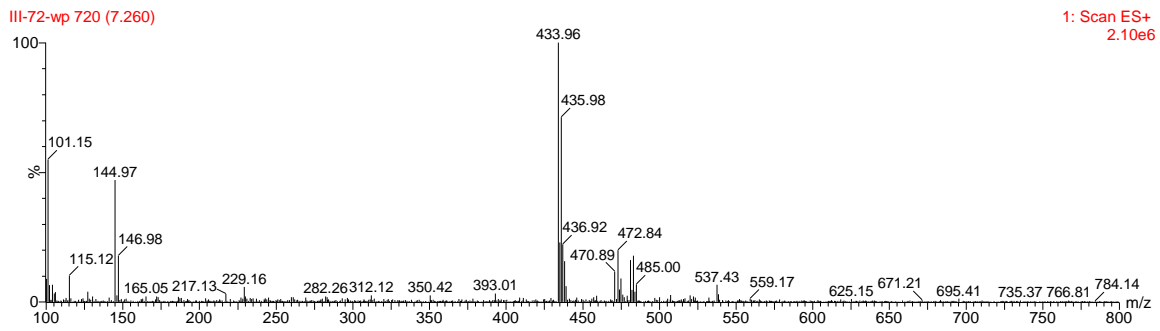
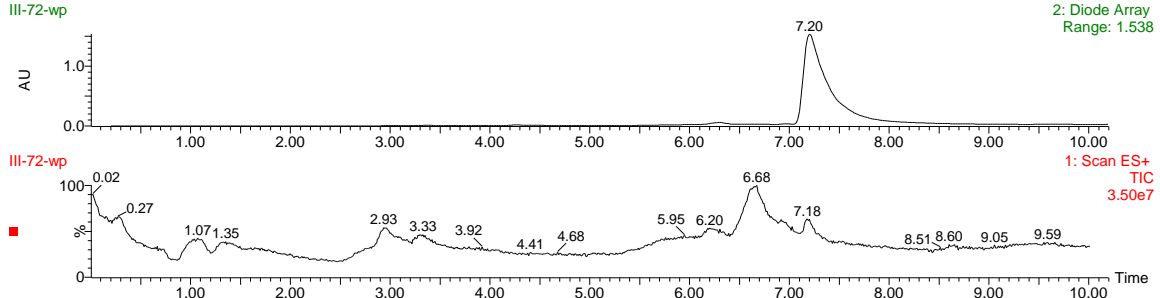
Merged XIC, Period# : 1 Experiment# : 1



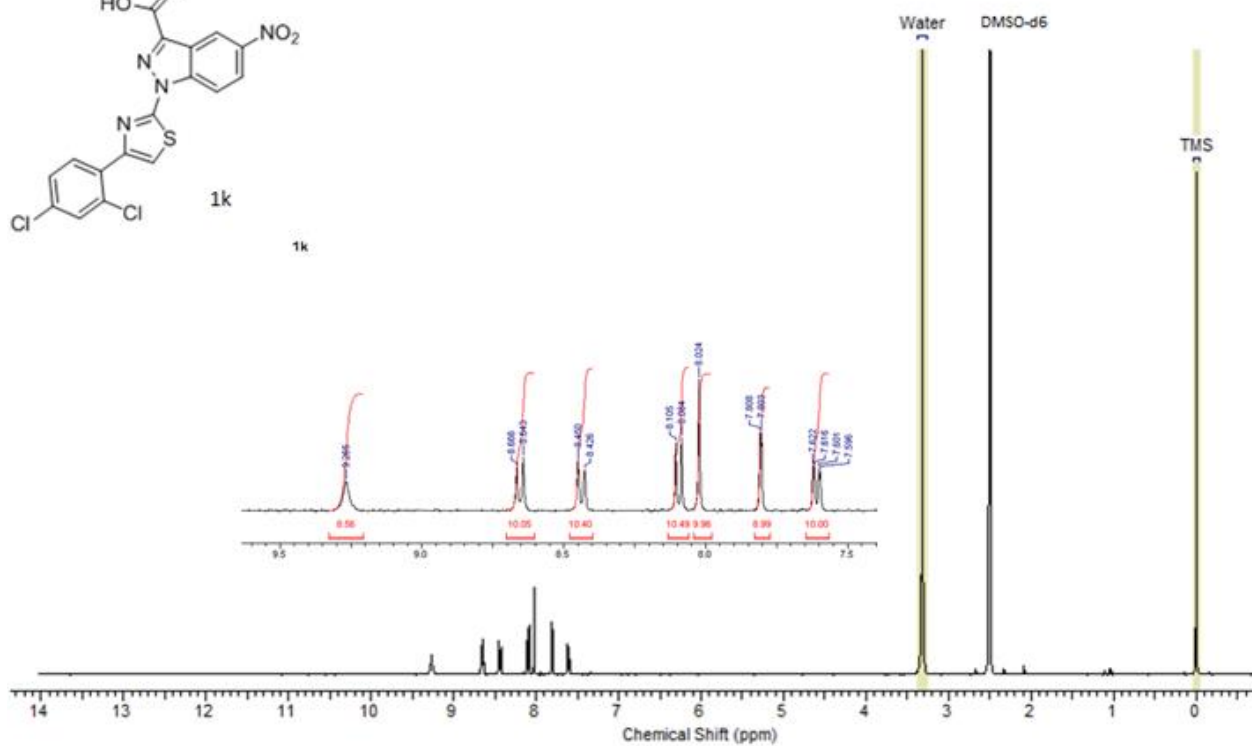
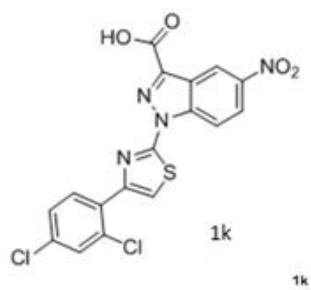
Formula	Compound name	Mass	Peak RT (min)	Peak area	Description
C19H14N4O6S	--	426.06340	0.76	1.80819 E7	--

Species	Abundance (counts)	Ion Mass	Measured Mass	Error (mDa)	Error (ppm)	Ret. Time Error (min)
[M+H] ⁺	210862.52	427.07068	427.07188	1.20185	2.81	--
[M+Na] ⁺	28724.05	449.05263	449.05358	0.93759	2.09	--

1k

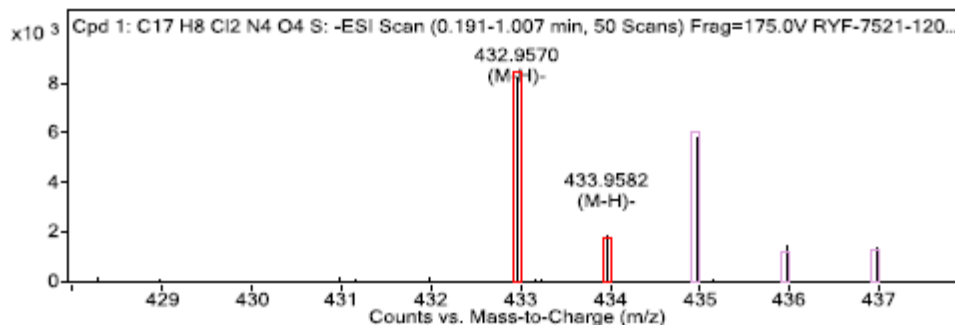
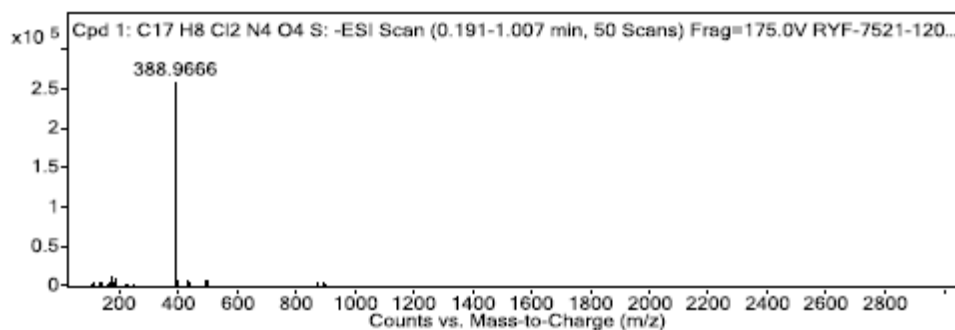
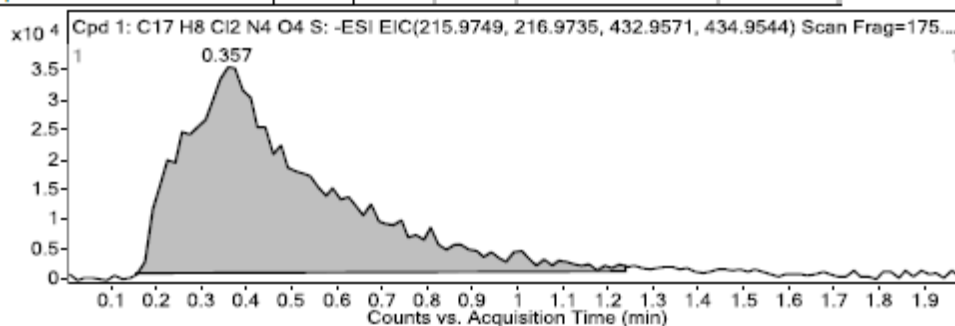


	Retention Time	% Area
1	17.931	2.51
2	20.896	97.49



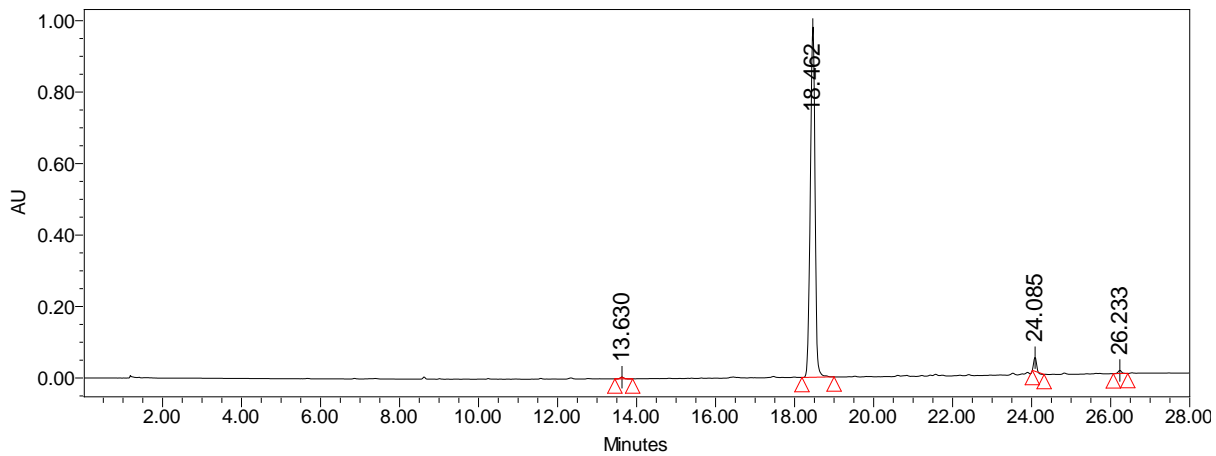
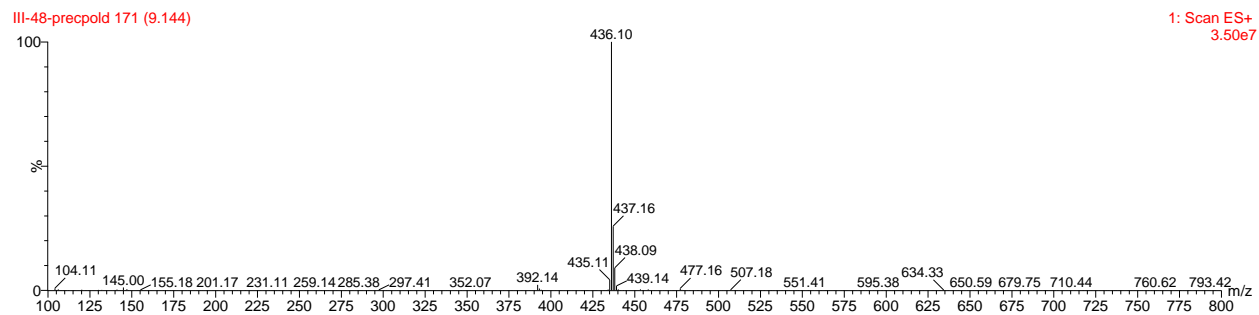
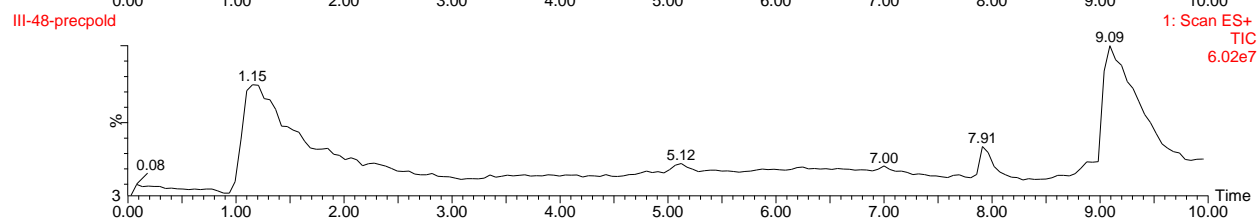
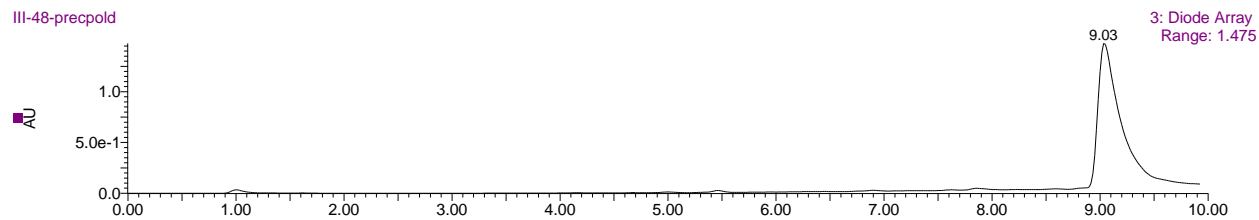
Sample Name RYF-752 **Position** P1-A01 **Instrument Name**
User Name Revital Freedman **Inj Vol** 0.2 **IRM Calibration Status**
Data Filename RYF-7521-120712-0038 **ACQ Method** OA_FIA_NEG.M **Comment**
Acquired Time 7/12/2012 3:08:13 PM

Compound Label	RT	Mass	Abund	Formula	Tot Mass
Cpd 1: C17 H8 Cl2 N4 O4 S	0.357	433.964	8234	C17 H8 Cl2 N4 O4 S	433.9643

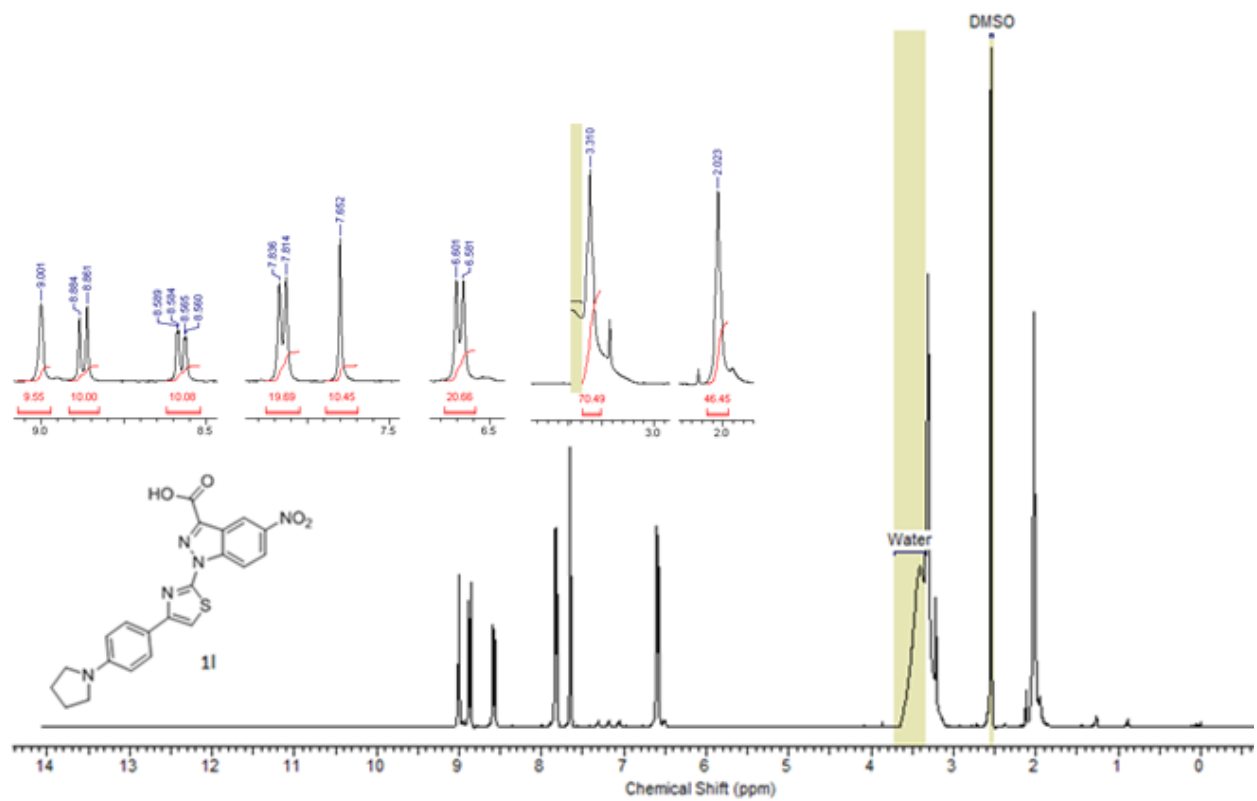


m/z	Calc m/z	Diff(ppm)	z	Abund	Formula	Ion
388.9666				259639.95		
432.957	432.9571	-0.13	1	8233.72	C17H7Cl2N4O4S	(M-H)-
433.9582	433.9598	-3.65	1	1943.51	C17H7Cl2N4O4S	(M-H)-

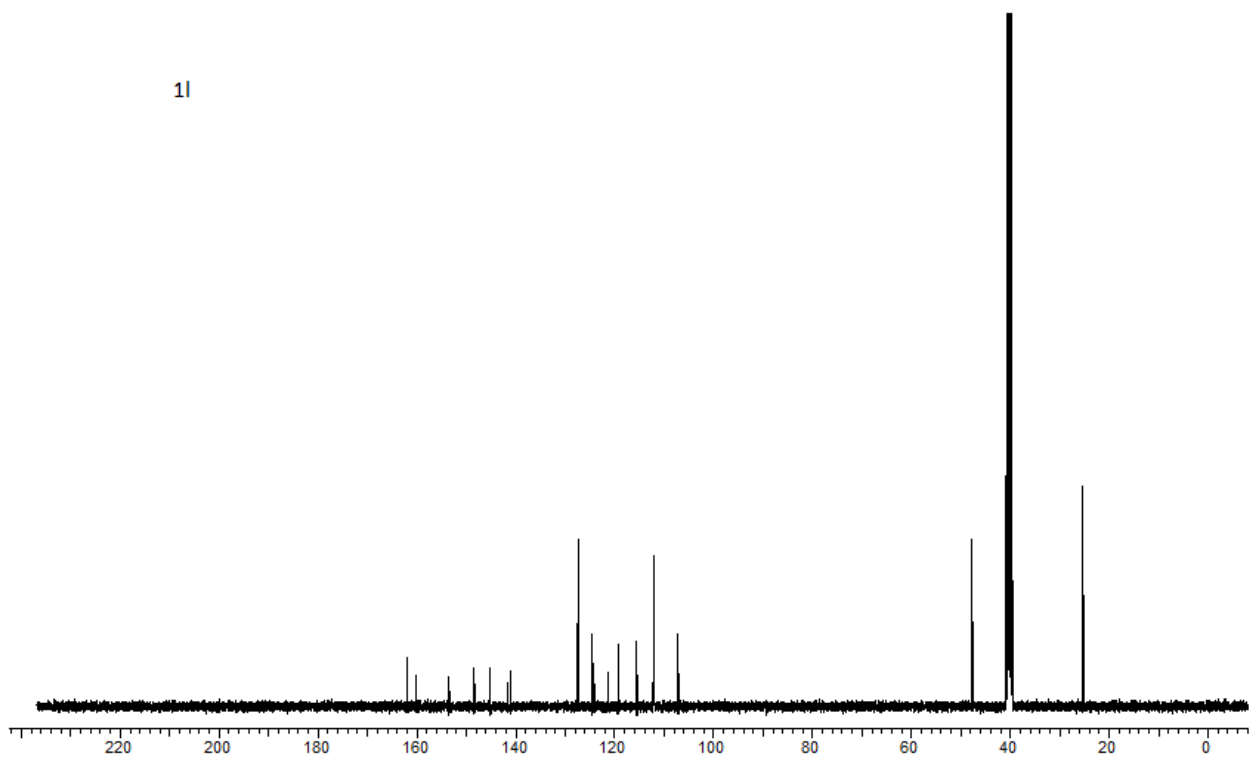
11



	Retention Time	% Area
1	13.630	0.36
2	18.462	96.59
3	24.085	2.43
4	26.233	0.62

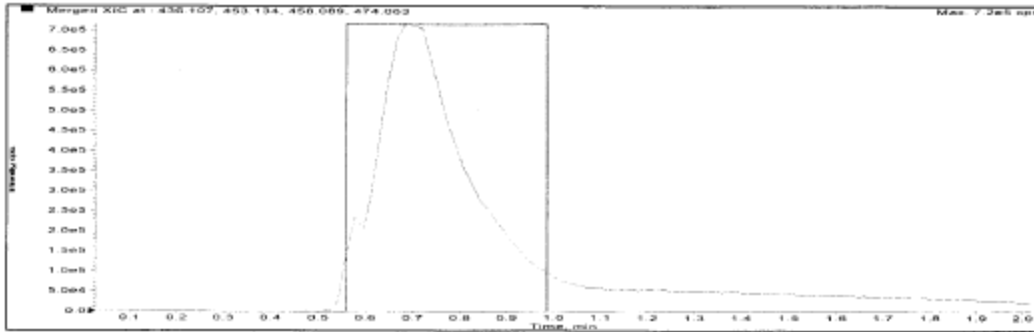


1I

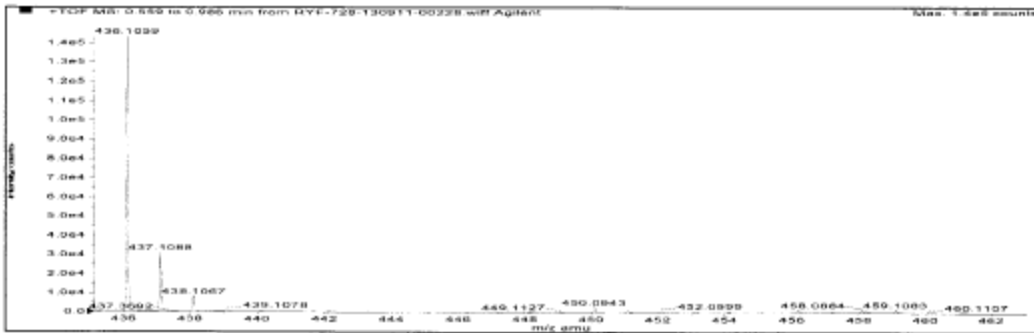
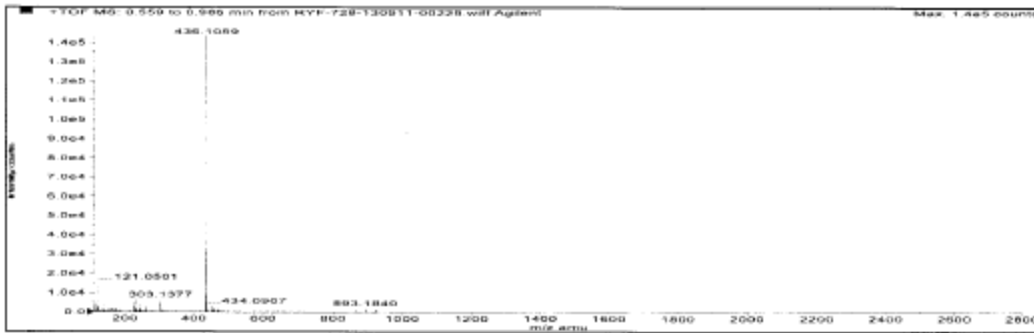


Sample Name: RYF-728 Sample Location: P1-B-04 Sample Id: RYF-728 Operator: Sunia Trauger
 Data File Name: D:\PE Sciex Data\Projects\QA_TOF Data\SAT\Data\RYF-728-130911-00228.wiff Acq Time: September 13 2011, 03:41:32 PM
 Method: D:\TOF_Data\methods\HRES_FIA_2M_0.2R_ANM\ANM\efc.xml

One or more scans have failed IRM. Review the data file for details.



Merged XIC, Period# : 1 Experiment# : 1

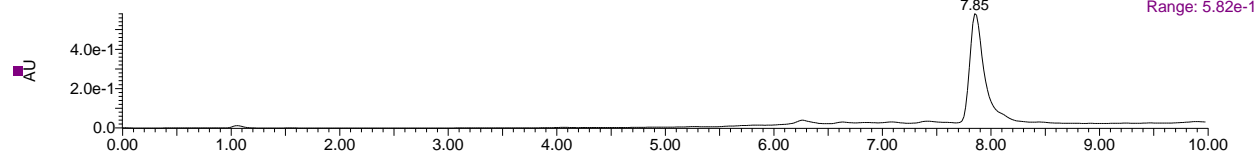


Formula	Compound name	Mass	Peak RT (min)	Peak area	Description
C21H17N5O4S	--	435.10012	0.89	9.29890 E8	--

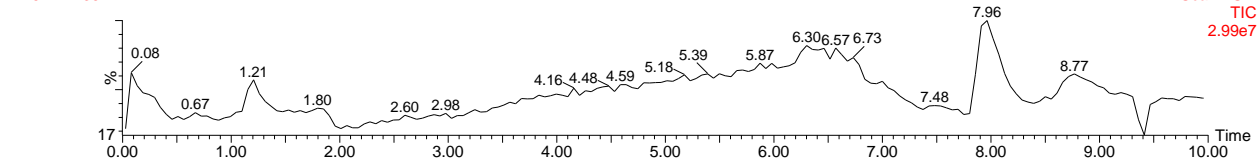
Species	Abundance (counts)	Ion Mass	Measured Mass	Error (mDa)	Error (ppm)	Ret. Time Error (min)
[M+H] ⁺	144592.59	436.10740	436.10594	-1.45777	-3.34	--
[M+Na] ⁺	1935.79	458.08935	458.08842	-0.92864	-2.03	--

1m

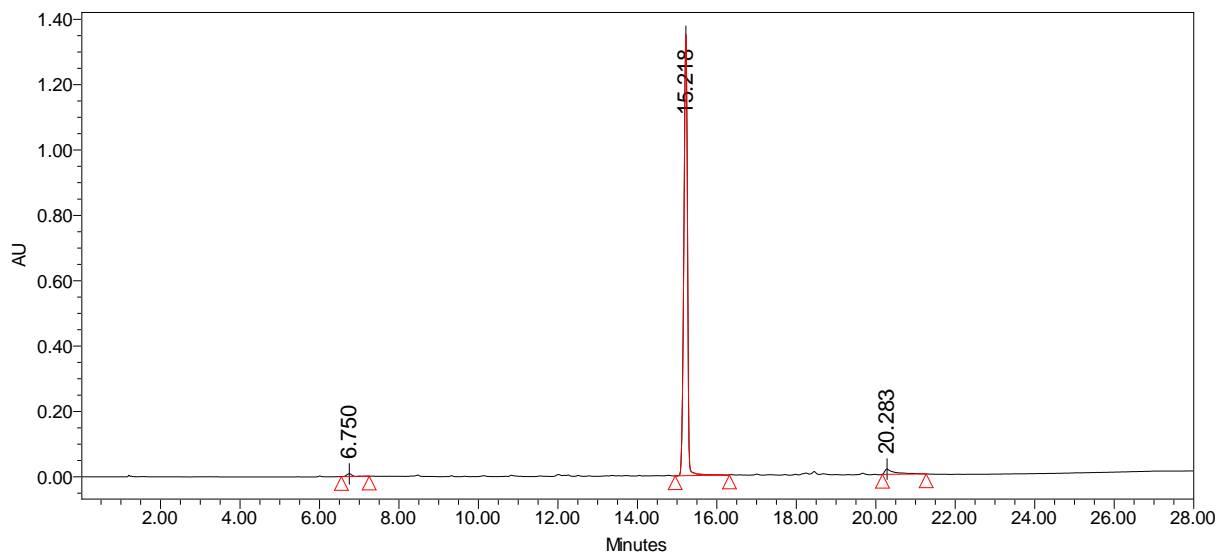
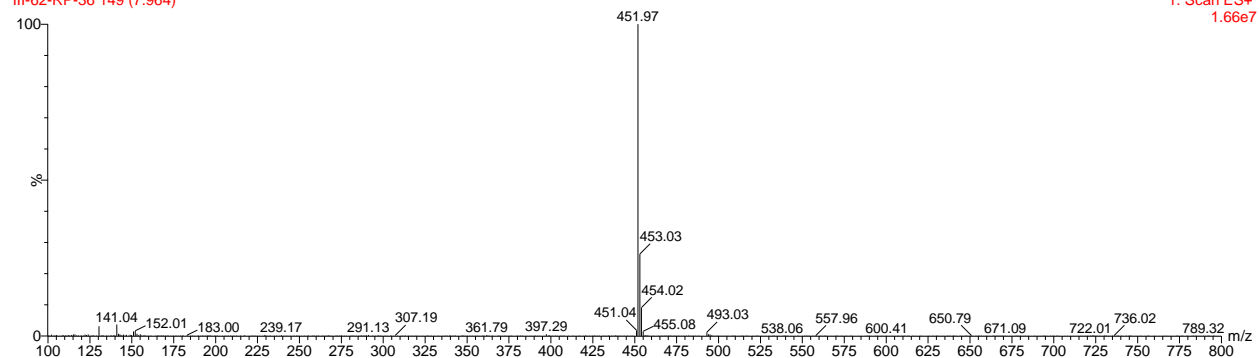
III-62-RP-36



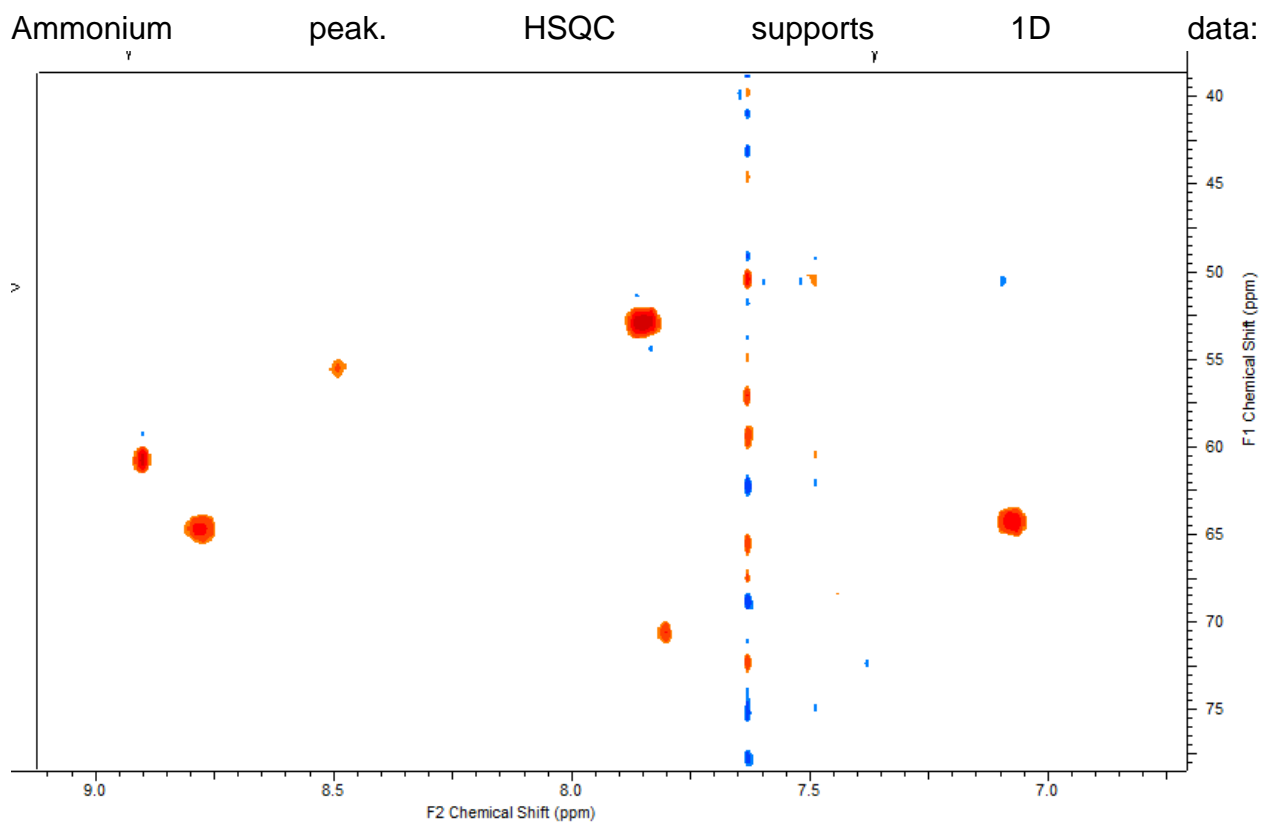
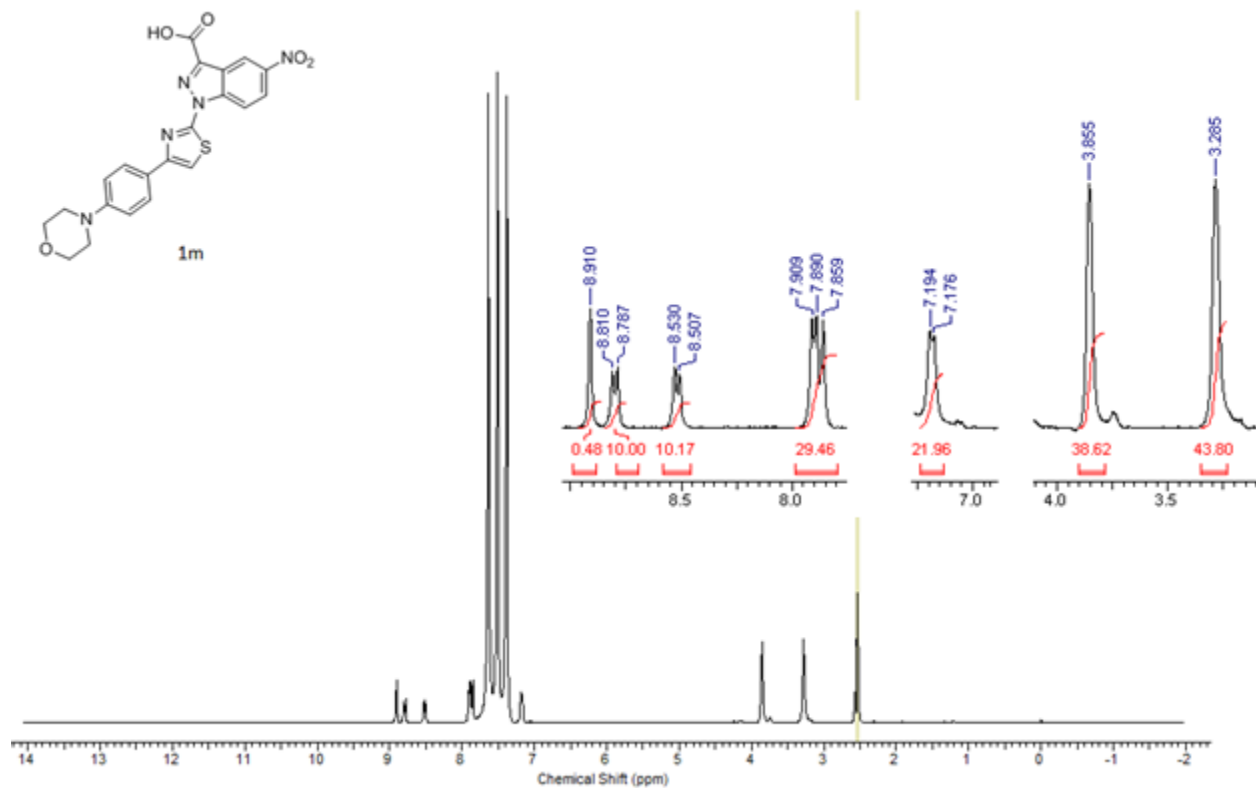
III-62-RP-36



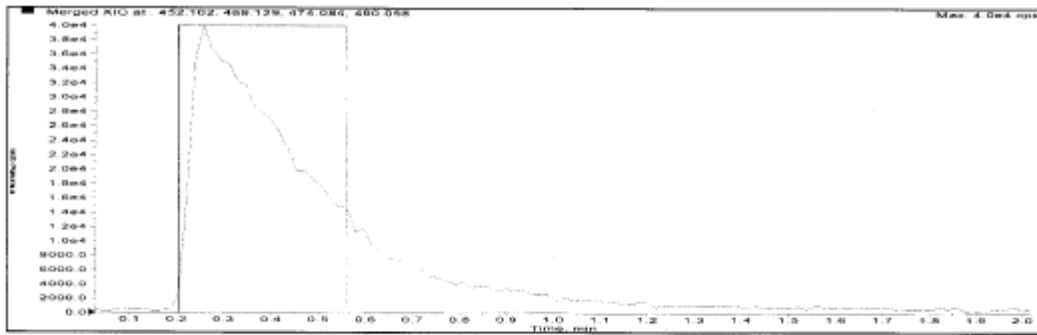
III-62-RP-36 149 (7.964)



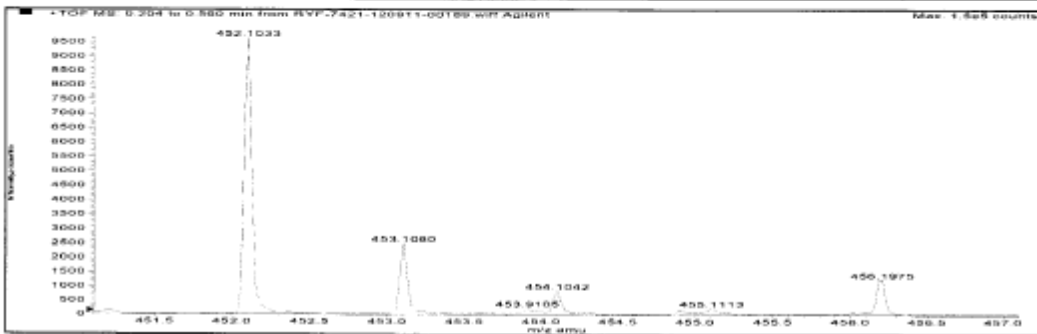
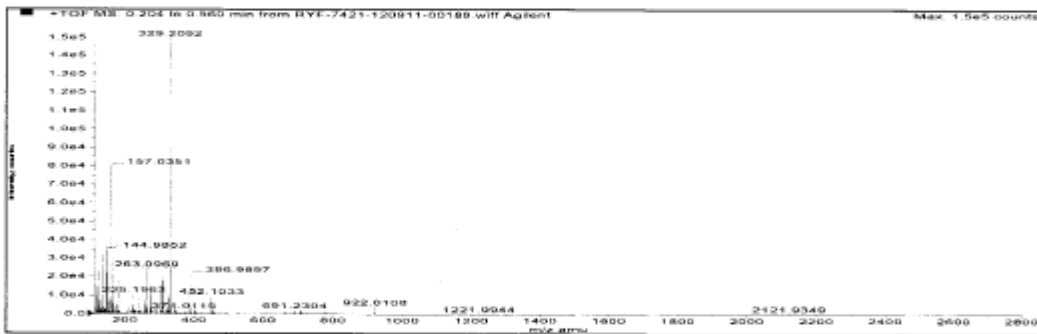
	Retention Time	% Area
1	6.750	0.88
2	15.218	95.95
3	20.283	3.17



Sample Name: RYF-742 Sample Location: P1-D-09 Sample Id: RYF-742 Operator: Revital Freedman
 Data File Name: D:\PE Sciex Data\Projects\IOA_TOF_Data\Chorev\Data\RYF-7421-120911-00189.wiff Acq Time: September 12 2011, 04:56:14 PM
 Method: D:\TOF_Data\damethods\HRES_FIA_2M_0.2R_ANM.ANM\efc.xml



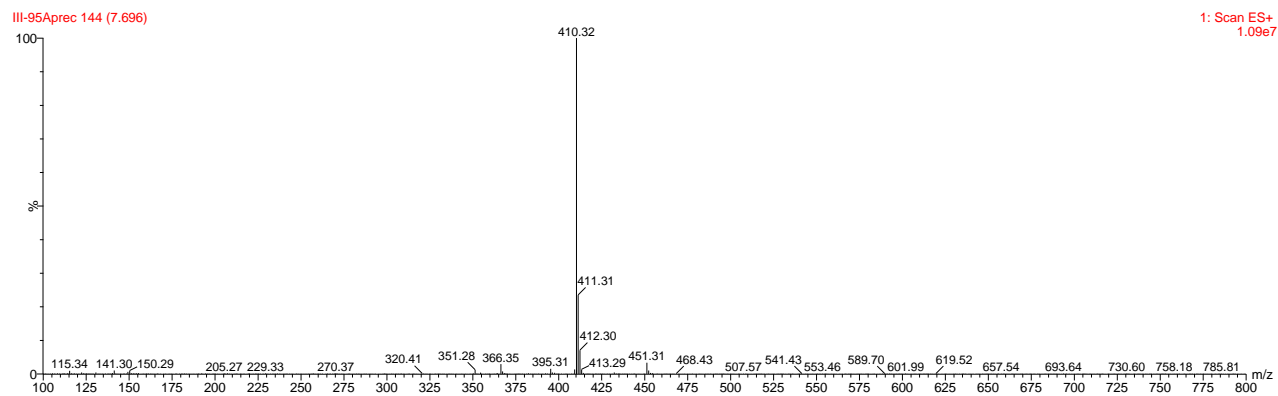
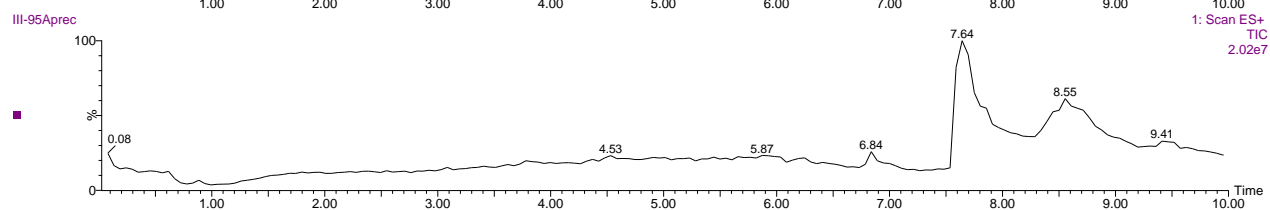
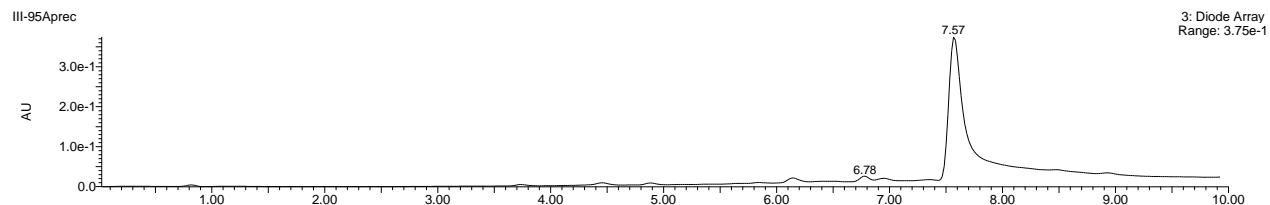
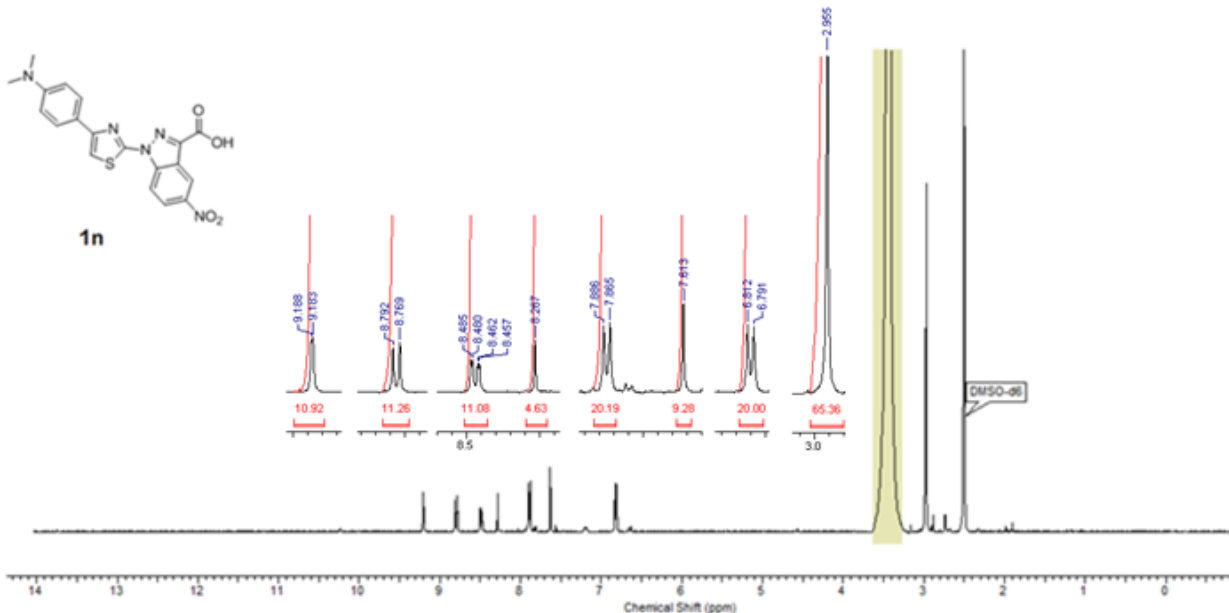
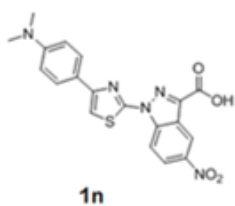
Merged XIC, Period#: 1 Experiment#: 1

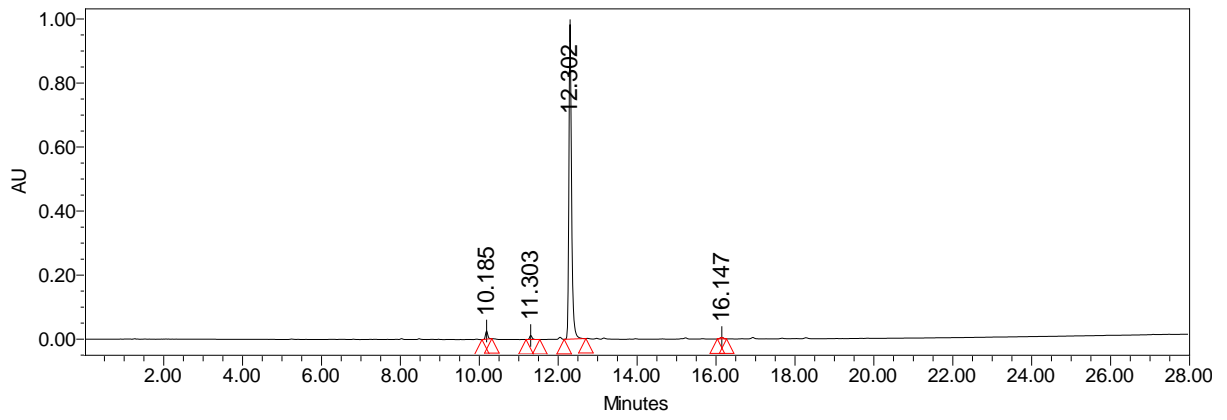


Formula	Compound name	Mass	Peak RT (min)	Peak area	Description
C21H17N5O5S	--	451.09504	0.26	4.22261 E5	--

Species	Abundance (counts)	Ion Mass	Measured Mass	Error (mDa)	Error (ppm)	Ret. Time Error (min)
[M+H] ⁺	9737.45	452.10232	452.10334	1.02404	2.27	--

1n

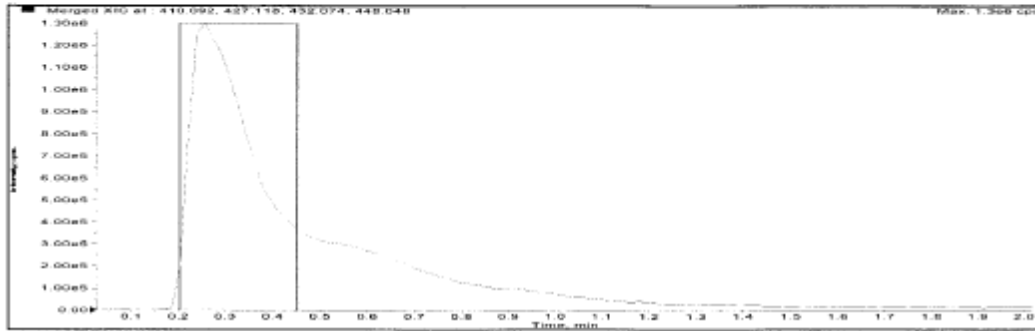




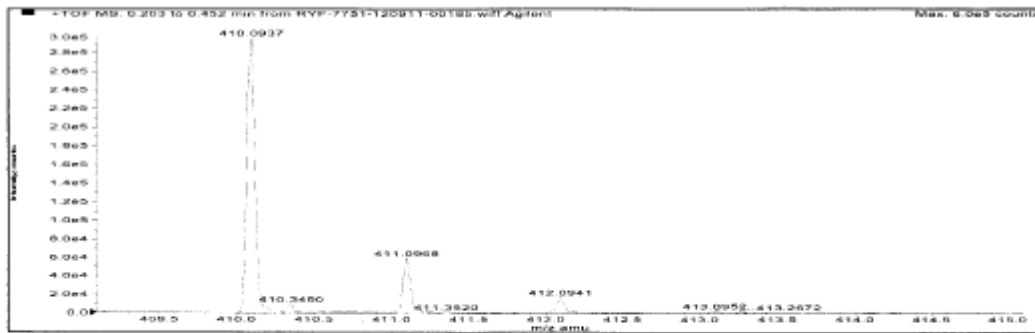
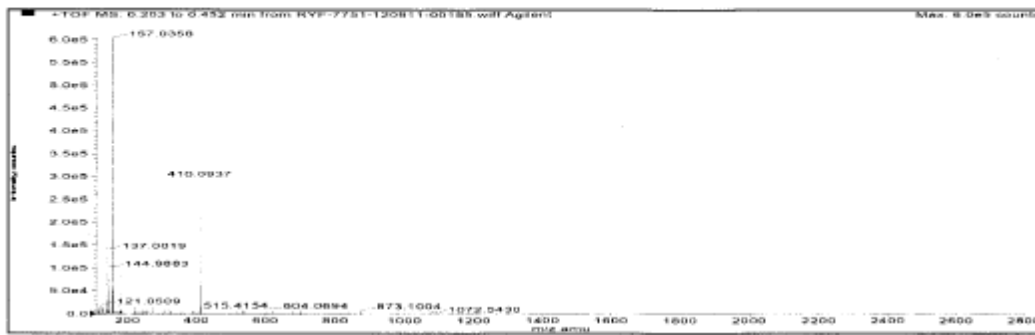
	Retention Time	% Area
1	10.185	2.10
2	11.303	1.19
3	12.302	96.12
4	16.147	0.59

Sample Name: RYF-775 Sample Location: P1-D-05 Sample Id: RYF-775 Operator: Revital Freedman
 Data File Name: D:\PE Sciex Data\Projects\OA_TOF Data\Chorev\Data\RYF-7751-120911-00185.wiff Acq Time: September 12 2011, 04:37:04 PM
 Method: D:\TOF_Data\damethods\HRES_FIA_2M_0.2R_ANM\ANM\efc.xml

One or more scans have failed IRM. Review the data file for details.

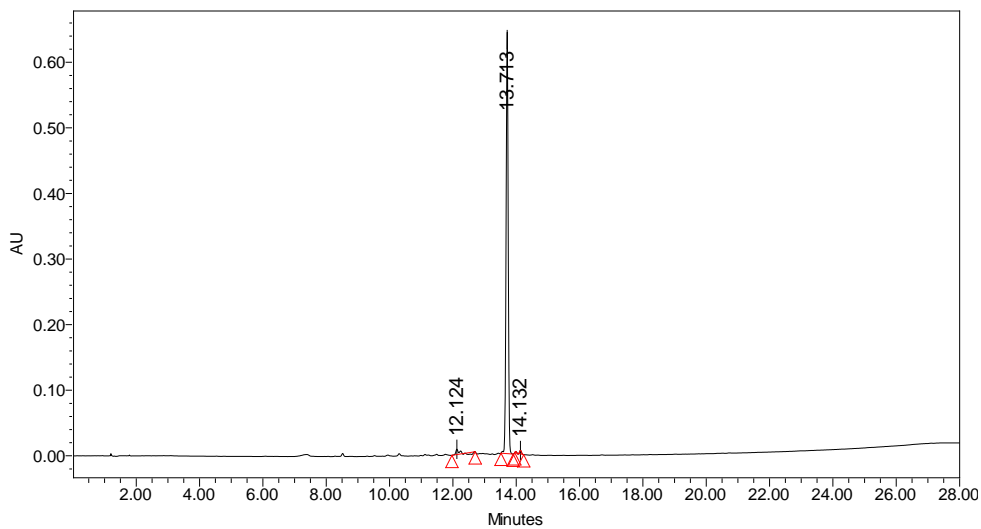
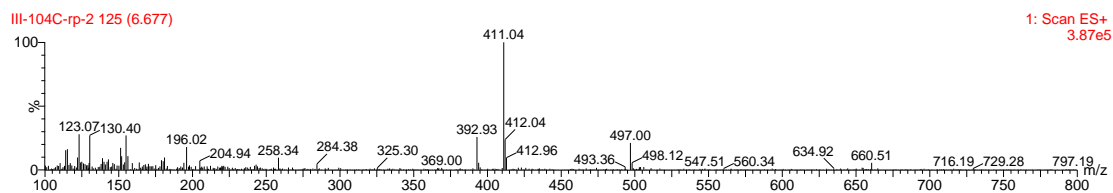
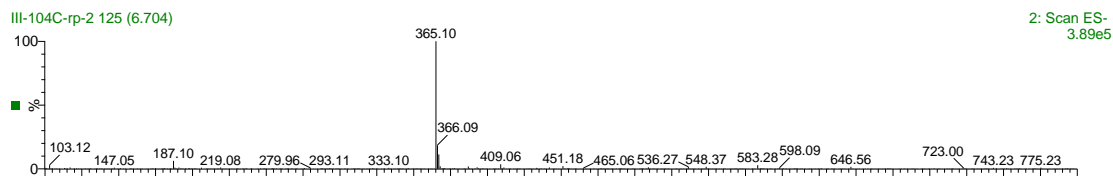
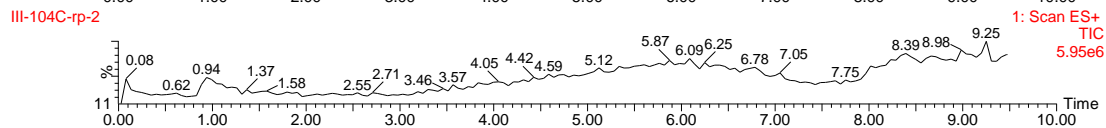
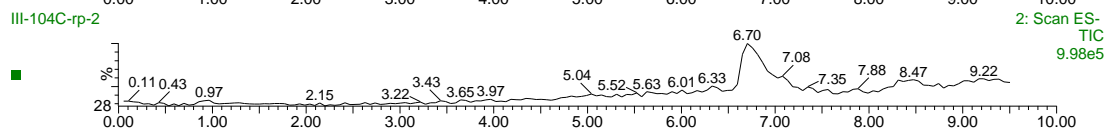
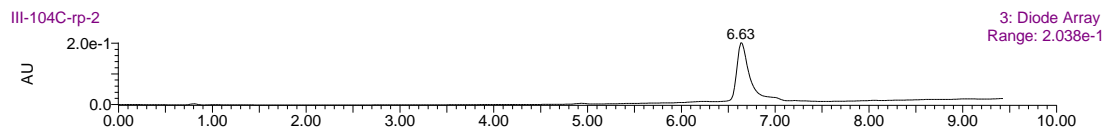


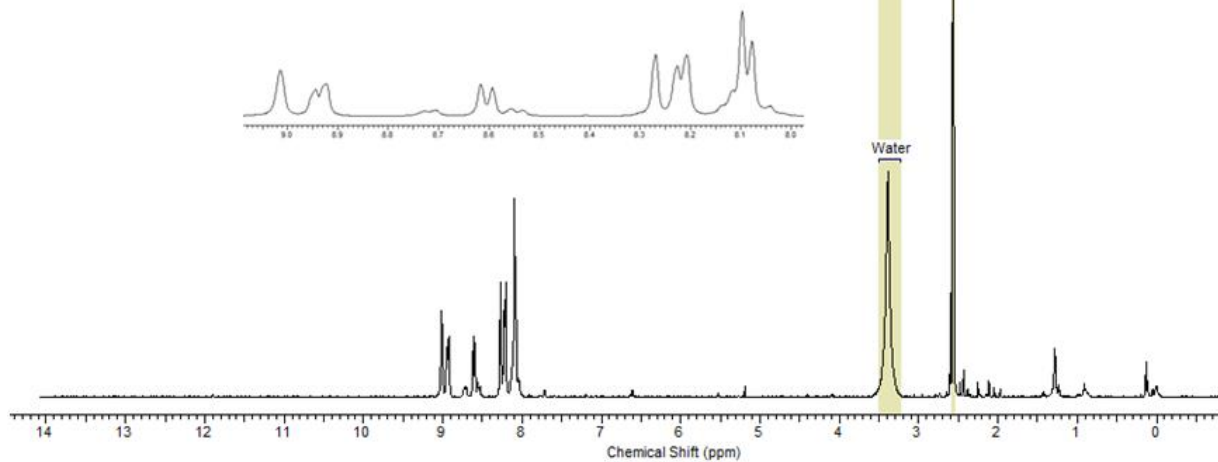
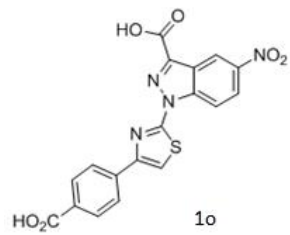
Merged XIC, Period# : 1 Experiment# : 1



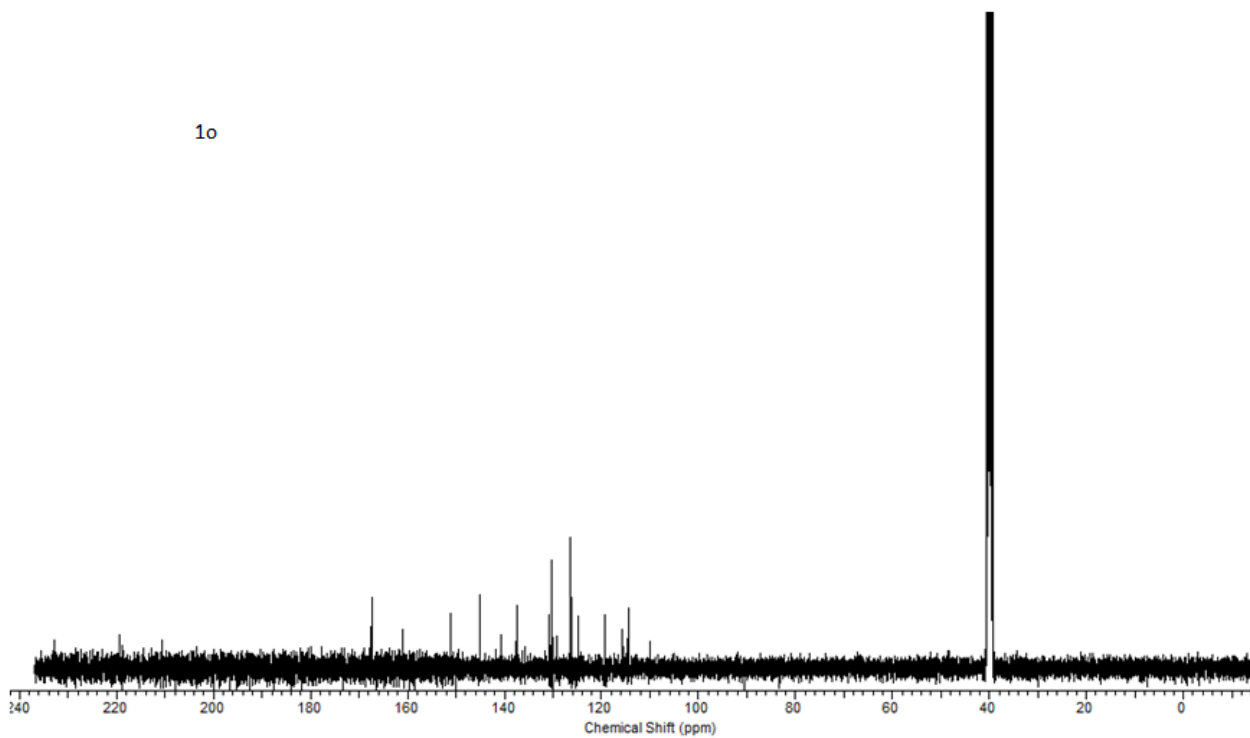
Formula	Compound name	Mass	Peak RT (min)	Peak area	Description
C19H15N5O4S	--	409.09447	0.25	1.06042 E7	--

Species	Abundance (counts)	Ion Mass	Measured Mass	Error (mDa)	Error (ppm)	Ret. Time Error (min)
[M+H] ⁺	303594.37	410.09175	410.09373	1.97777	4.82	--



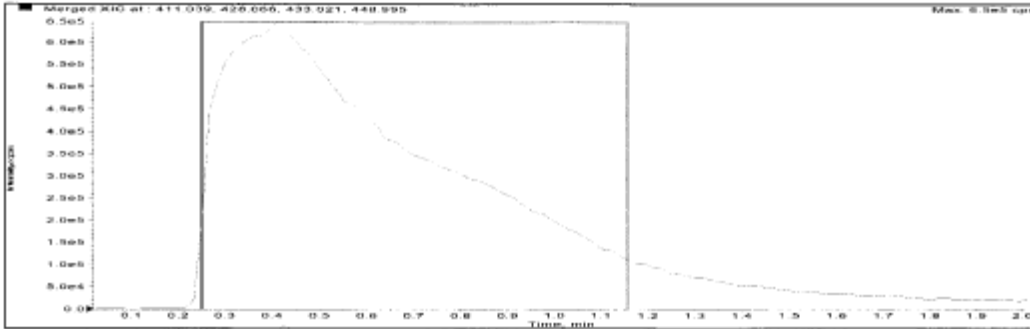


1o

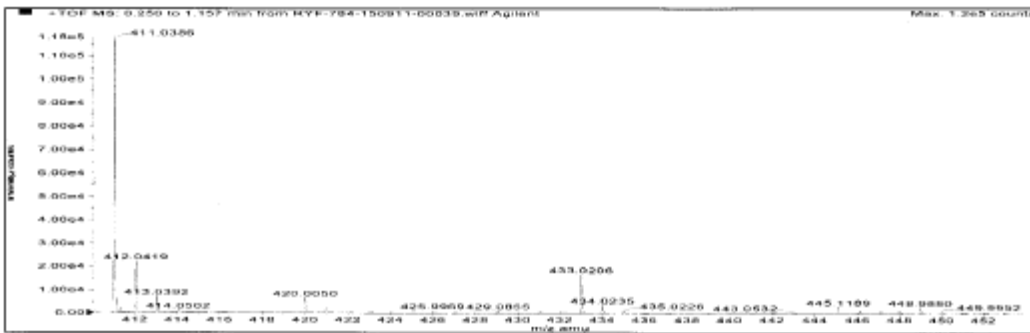
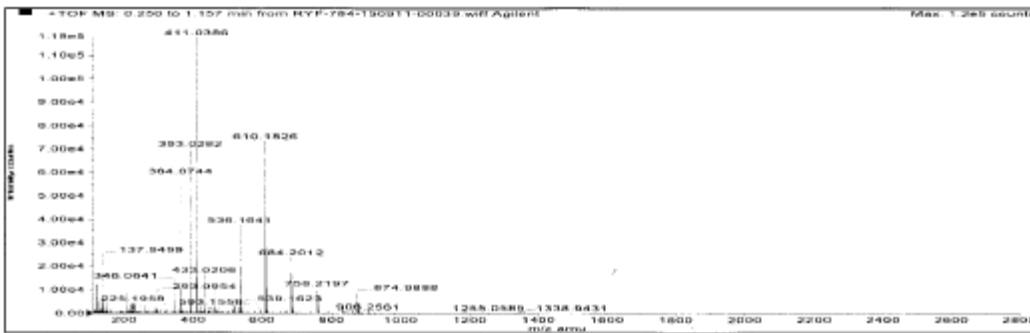


Sample Name: RYF-784 Sample Location: P1-E-01 Sample Id: RYF-784 Operator: Sunia Trauger
 Data File Name: D:\PE Sciex Data\Projects\DA_TOF_Data\SA1\Data\RYF-784-150911-00039.wiff Acq Time: September 15 2011, 09:42:09 AM
 Method: D:\TOF_Data\damethods\HRES_FIA_2M_0.2R_ANM\ANMefc.xml

One or more scans have failed IRM. Review the data file for details.



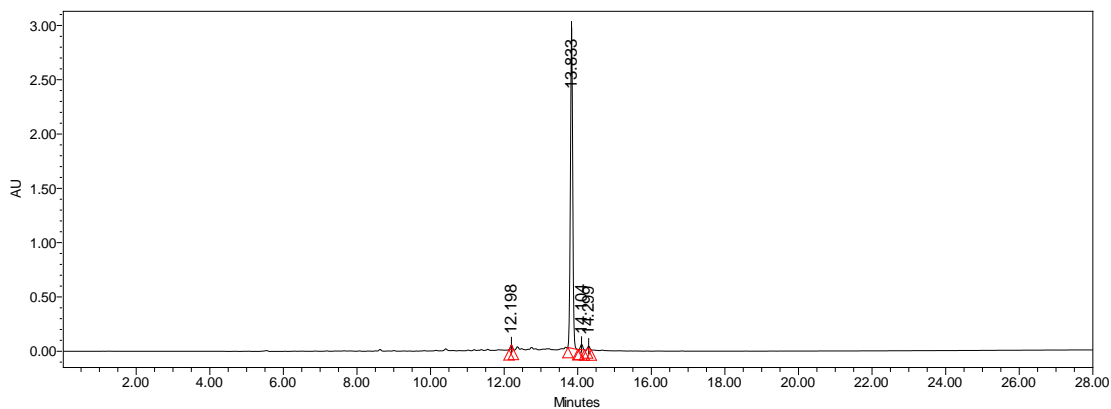
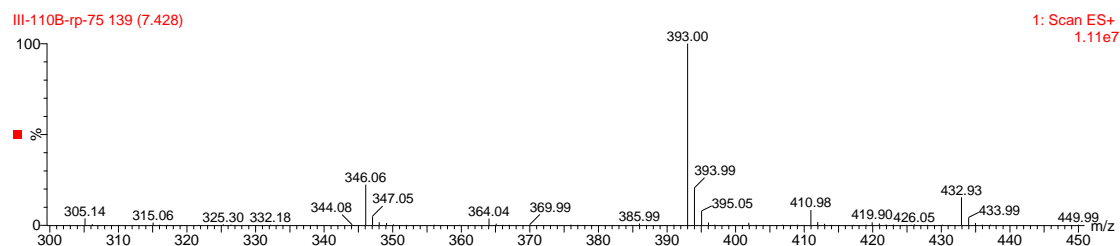
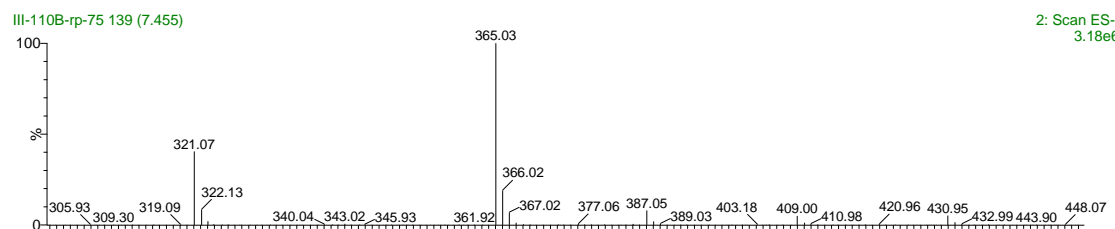
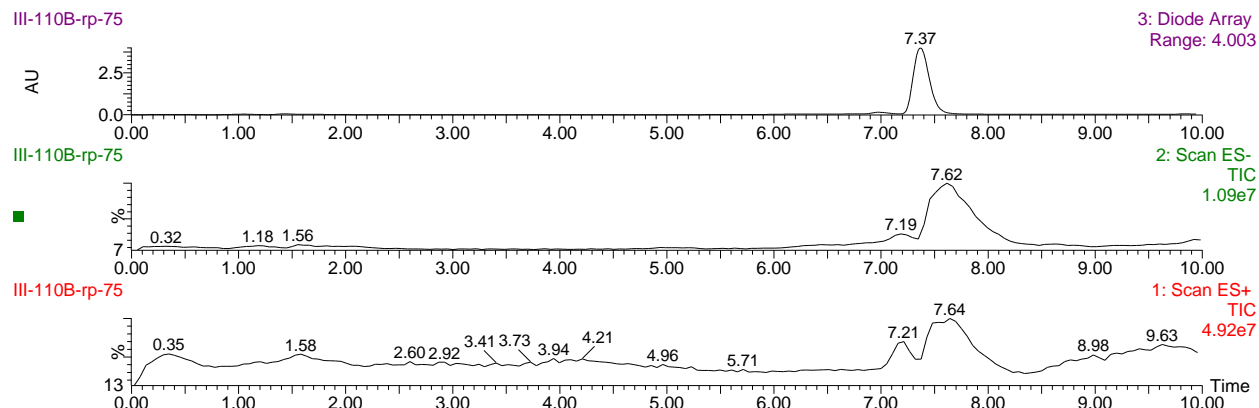
Merged XIC, Period# : 1 Experiment# : 1



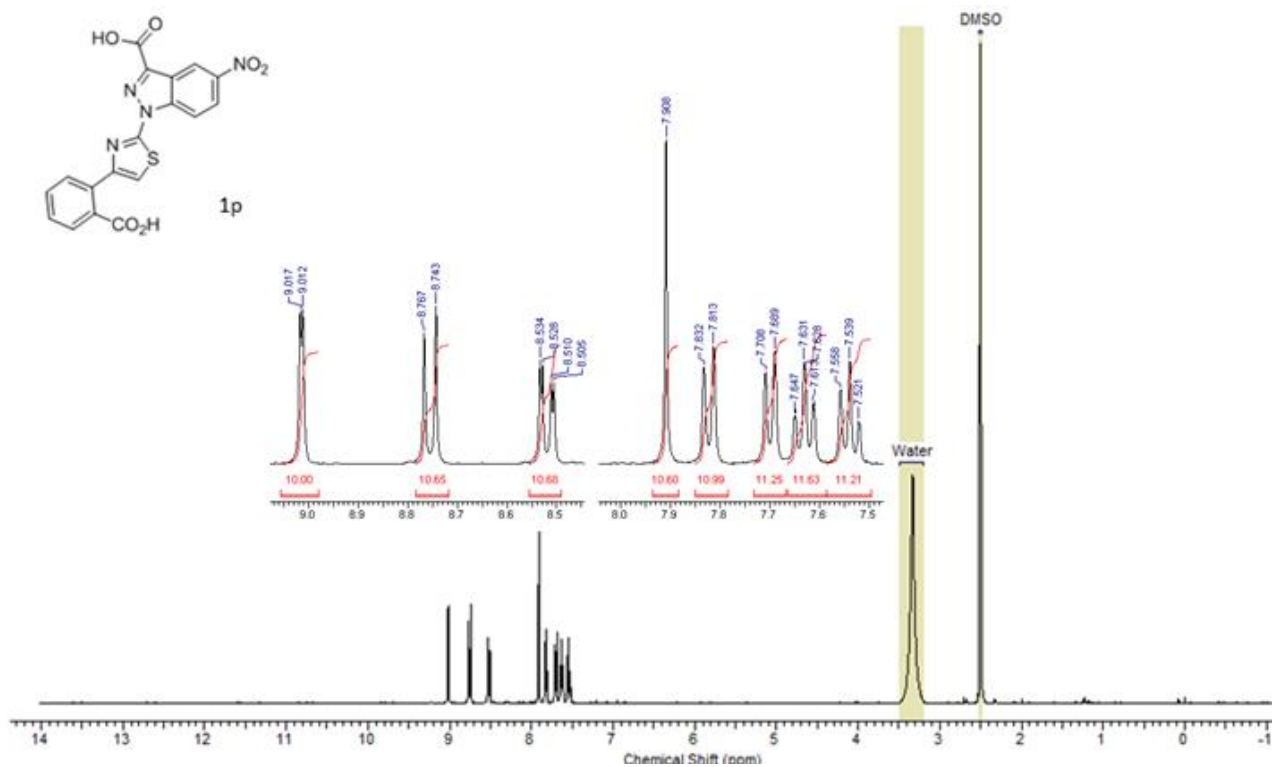
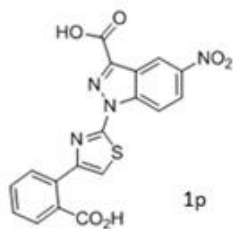
Formula	Compound name	Mass	Peak RT (min)	Peak area	Description
C18H10N4O5S	--	410.03210	0.41	1.85200 E7	--

Species	Abundance (counts)	Ion Mass	Measured Mass	Error (mDa)	Error (ppm)	Ret. Time Error (min)
[M+H] ⁺	126581.70	411.03938	411.03859	-0.78883	-1.92	--
[M+Na] ⁺	16706.09	433.02133	433.02063	-0.69097	-1.60	--
[M+K] ⁺	2814.23	448.99526	448.98802	-7.24082	-16.13	--

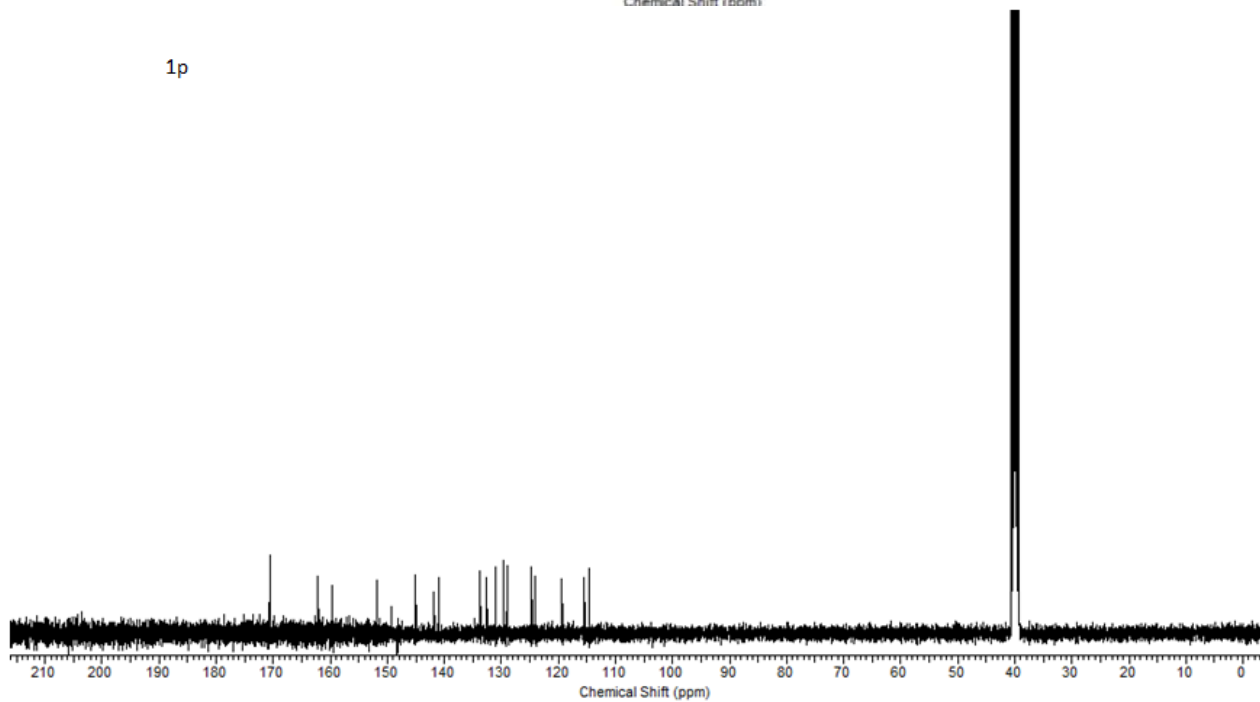
1p



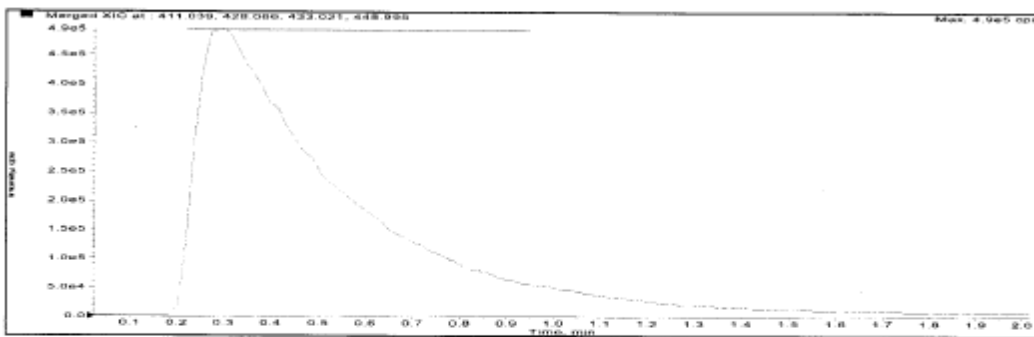
	Retention Time	% Area
1	12.198	1.15
2	13.833	96.71
3	14.104	1.62
4	14.299	0.52



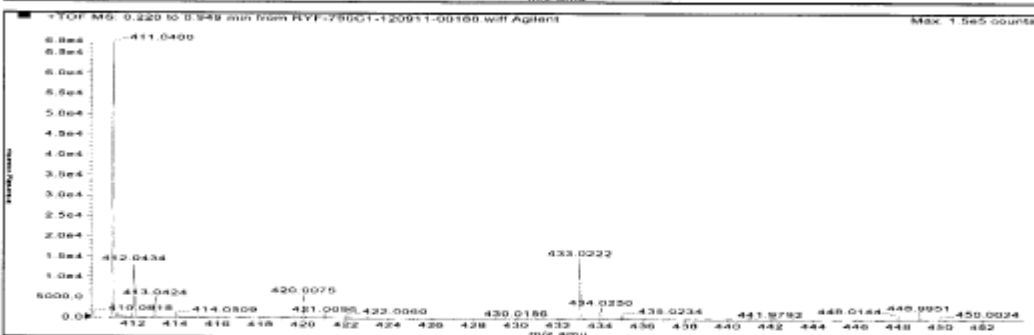
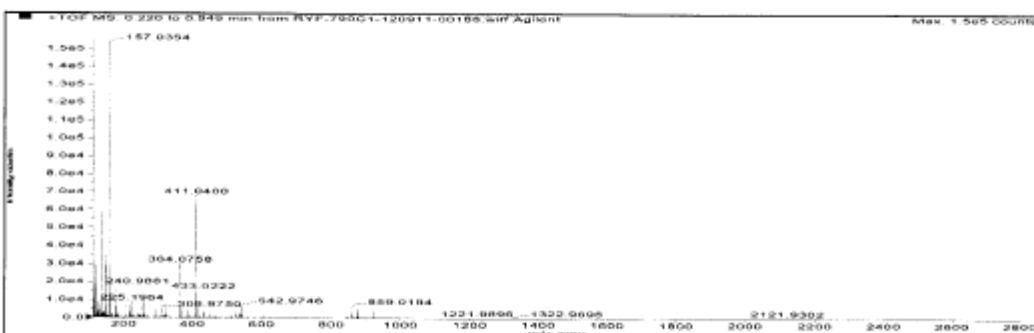
1p



Sample Name: RYF-790C Sample Location: P1-D-08 Sample Id: RYF-790C Operator: Revital Freedman
 Data File Name: D:\PE_Sciex_Data\Projects\LOA_TOF_Data\Chorev\Data\RYF-790C1-120911-00188.wiff Acq Time: September 12 2011, 04:51:24 PM
 Method: D:\TOF_Data\methods\MRES_FIA_2M_0.2R_ANM.ANM\etc.xml



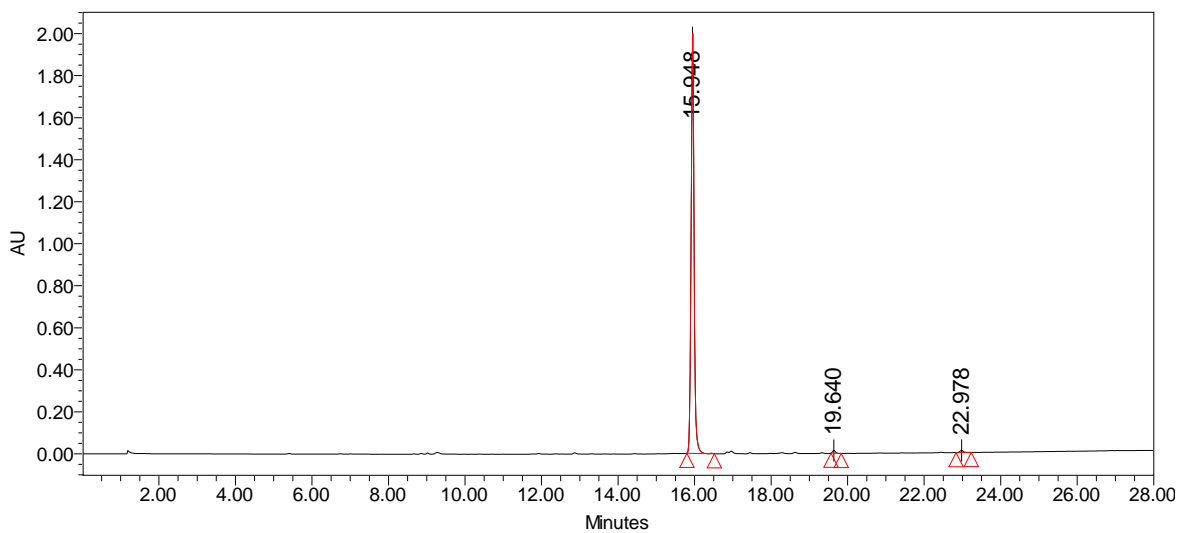
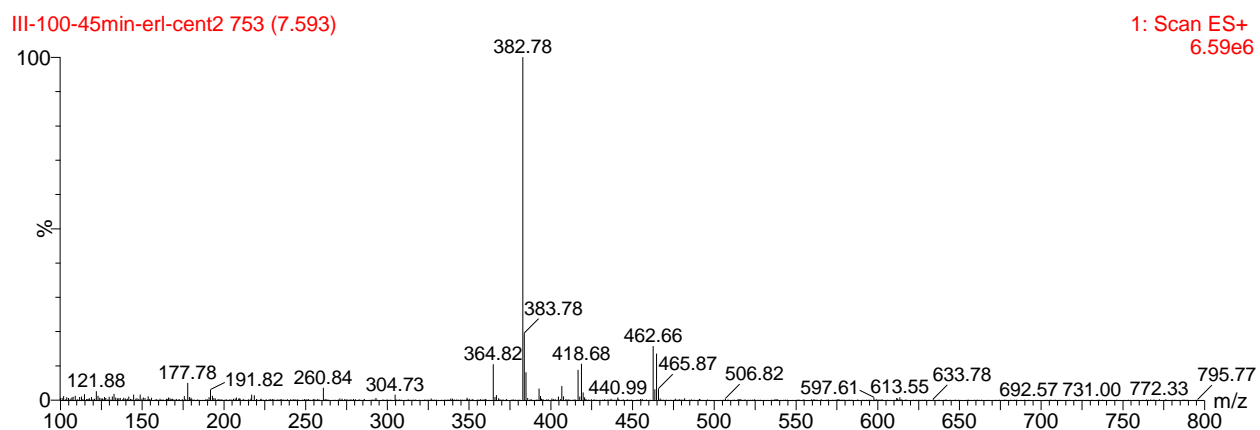
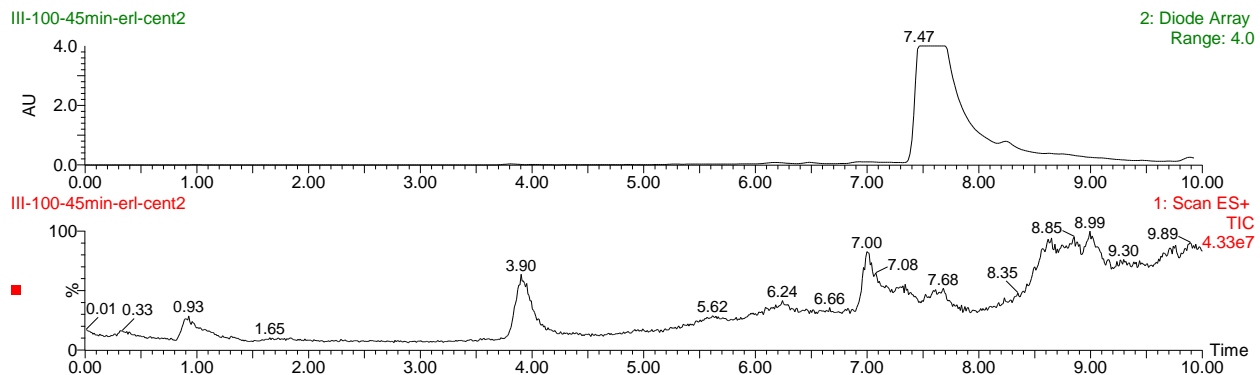
Merged XIC, Period# : 1 Experiment# : 1



Formula	Compound name	Mass	Peak RT (min)	Peak area	Description
C18H10N4O6S	--	410.03210	0.30	9.46268 E6	--

Species	Abundance (counts)	Ion Mass	Measured Mass	Error (mDa)	Error (ppm)	Ret. Time Error (min)
[M+H] ⁺	72403.97	411.03938	411.03998	0.59842	1.46	--
[M+Na] ⁺	15215.10	433.02133	433.02222	0.89686	2.07	--
[M+K] ⁺	2057.05	448.99526	448.99510	-0.16201	-0.36	--

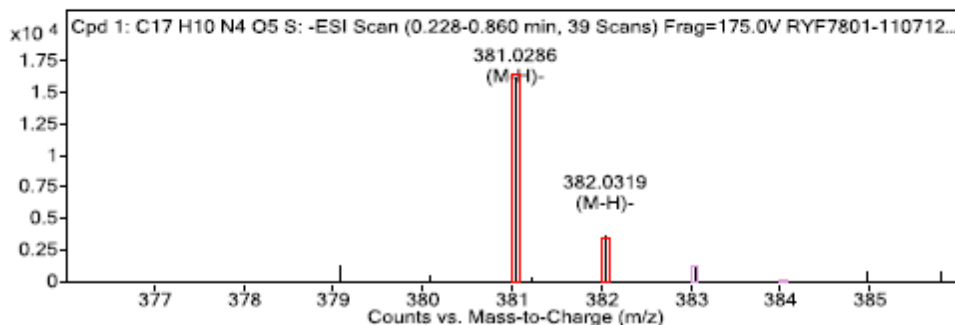
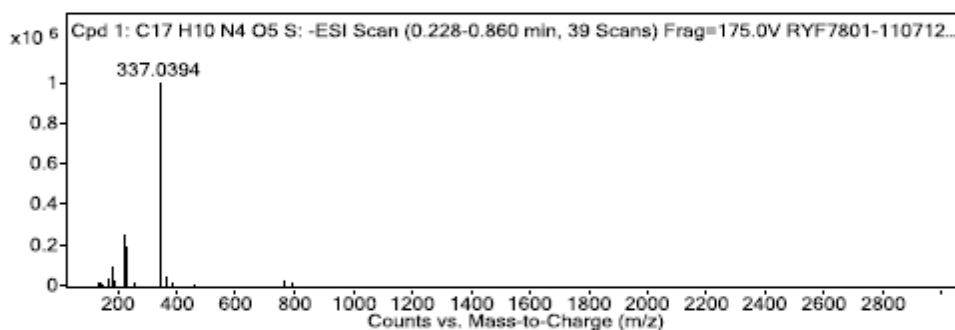
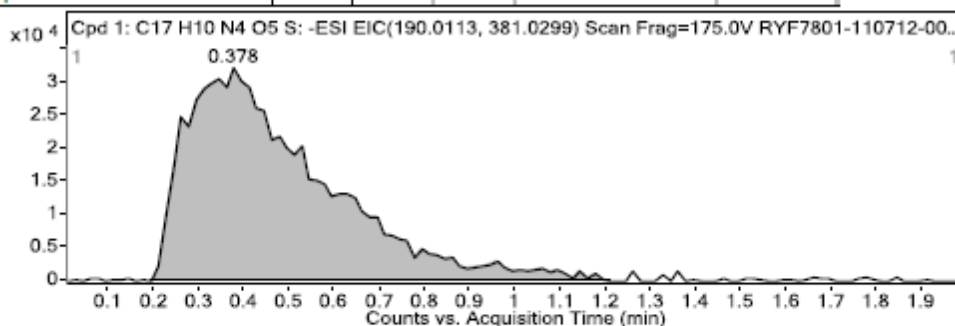
1q



Retention Time	Area
15.948	98.79
19.640	0.62
22.978	0.59

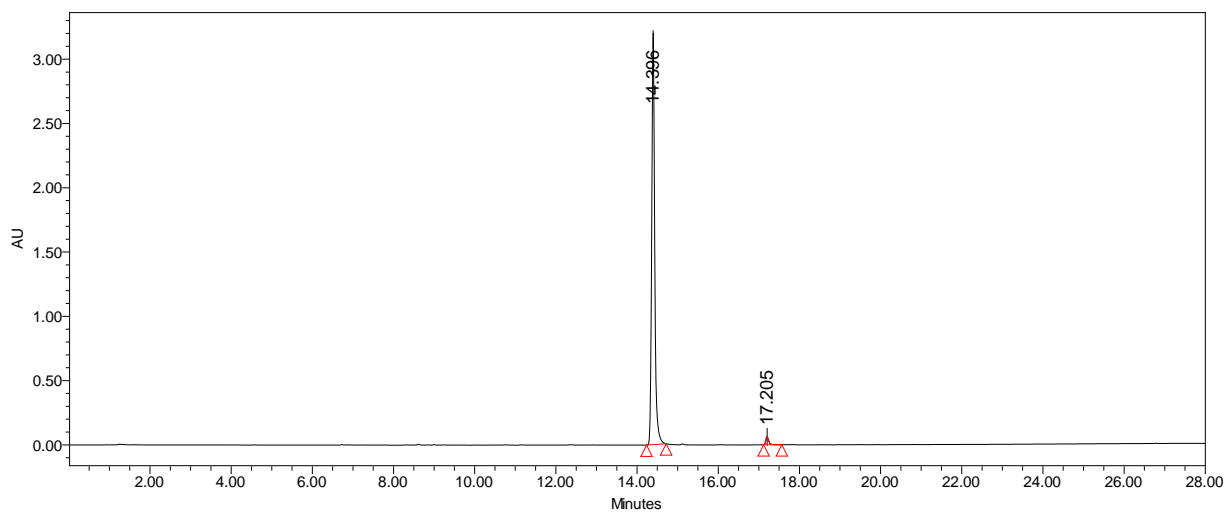
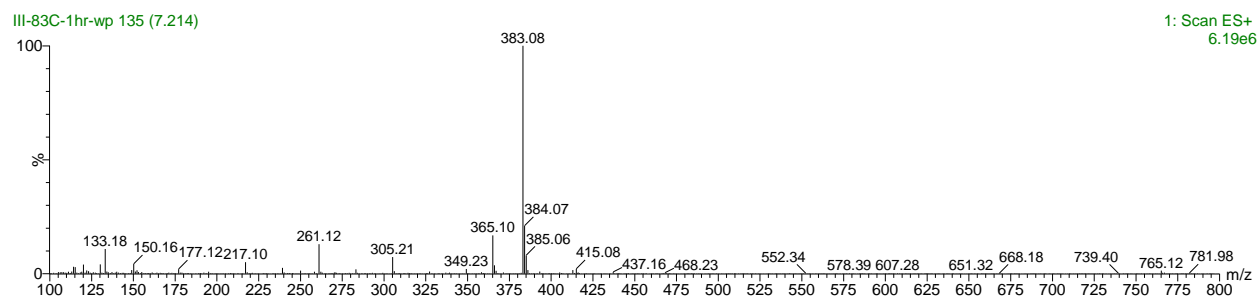
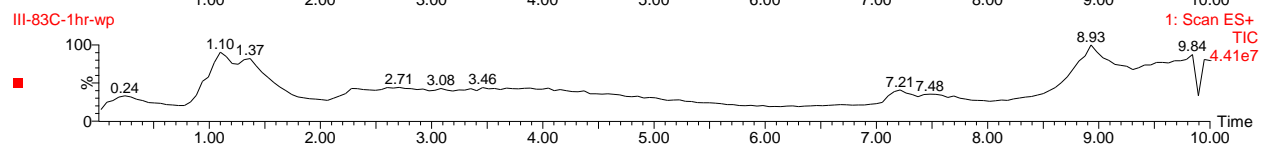
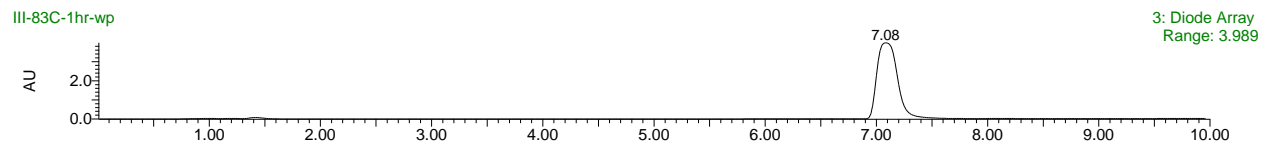
Sample Name	RYP780	Position	P1-F09	Instrument Name
User Name	Revital Freedman	Inj Vol	0.2	IRM Calibration Status
Data Filename	RYP7801-110712-00340	ACQ Method	OA_FIA_NEG.M	Comment
Acquired Time	7/11/2012 4:48:10 PM			

Compound Label	RT	Mass	Abund	Formula	Tot Mass
Cpd 1: C17 H10 N4 O5 S	0.378	382.036	16172	C17 H10 N4 O5 S	382.0372

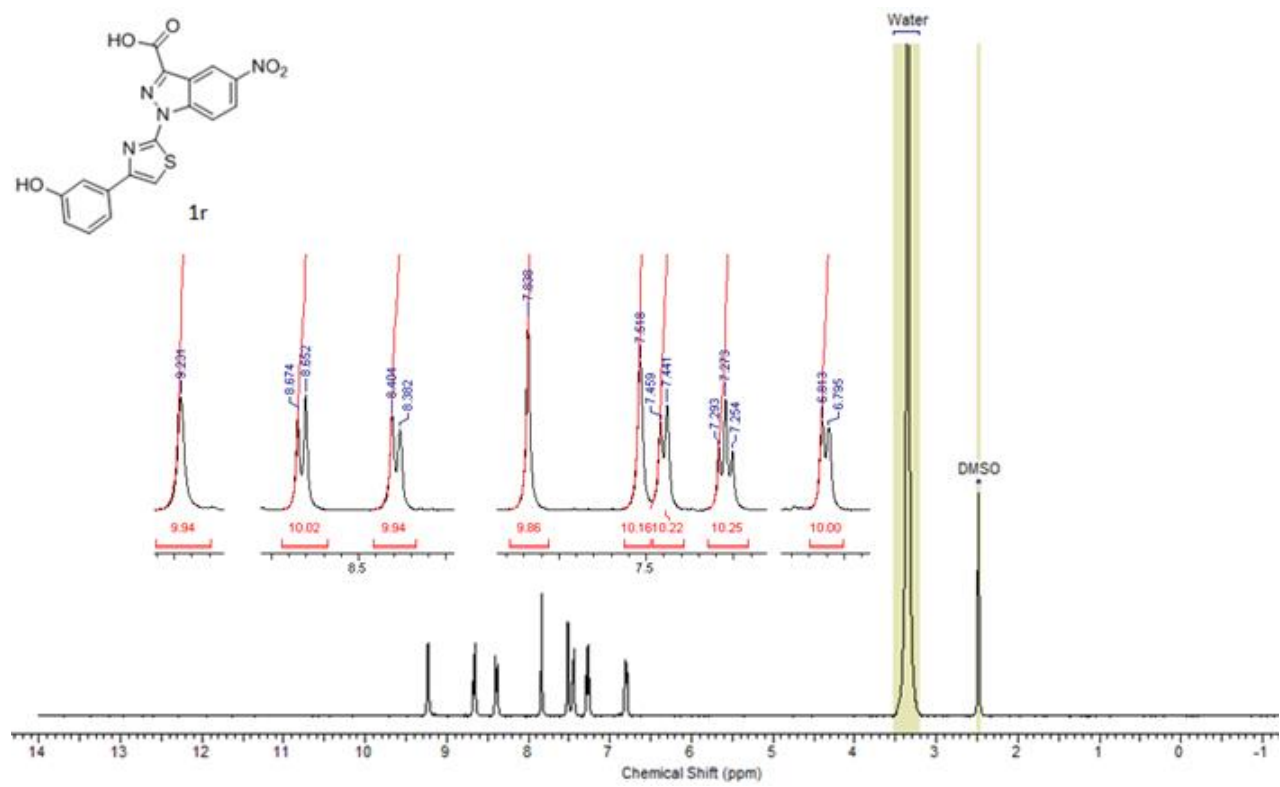
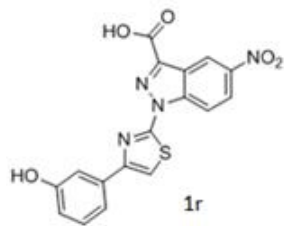


m/z	Calc m/z	Diff(ppm)	z	Abund	Formula	Ion
337.0394				1005457.31		
381.0286	381.0299	-3.47	1	16171.86	C17H9N4O5S	(M-H)-
382.0319	382.0327	-2.1	1	3683.72	C17H9N4O5S	(M-H)-

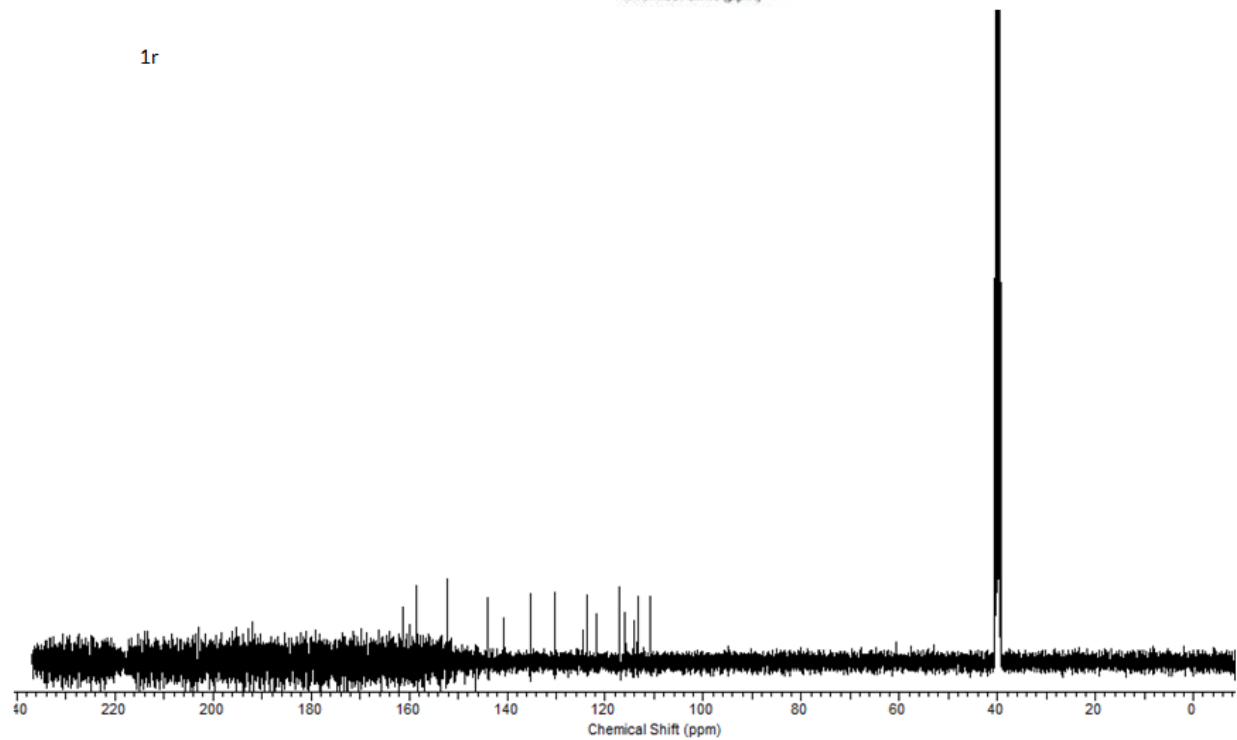
1r



	Retention Time	% Area
1	14.396	98.09
2	17.205	1.91

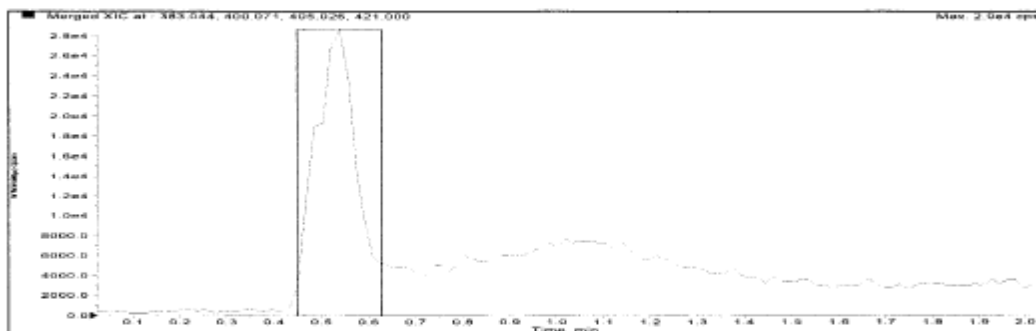


1r

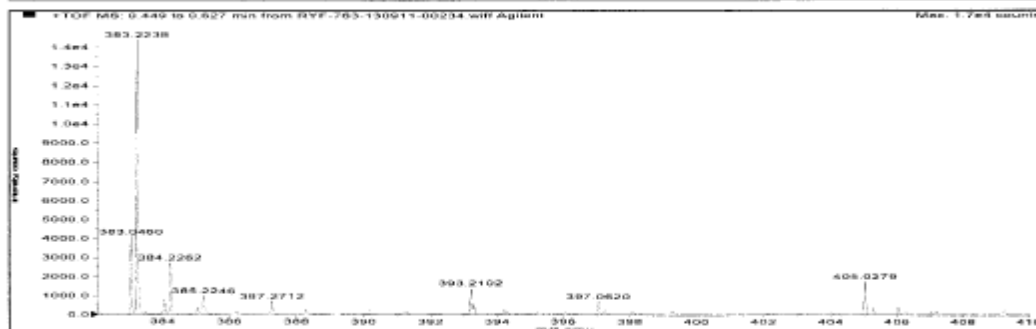
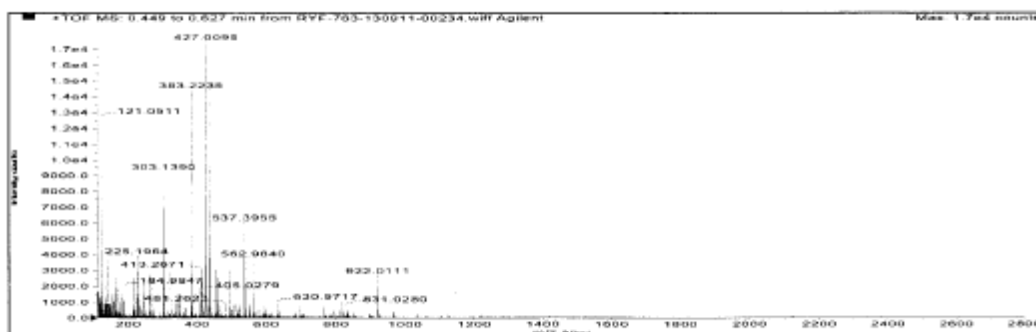


Sample Name: RYF-763 Sample Location: P1-C-01 Sample Id: RYF-763 Operator: Sunia Trauger
 Data File Name: D:\PE Sciex Data\Projects\IOA_TOF Data\SA\TOF Data\RYF-763-130911-00234.wiff Acq Time: September 13 2011, 04:10:24 PM
 Method: D:\TOF_Data\methods\HRES_FIA_2M_0.2R_ANM.ANMIefc.xml

One or more scans have failed IRM. Review the data file for details.



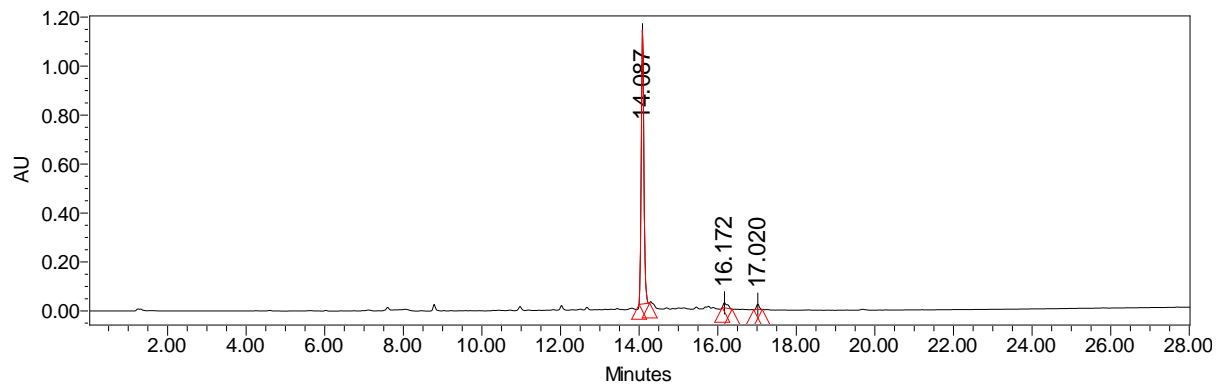
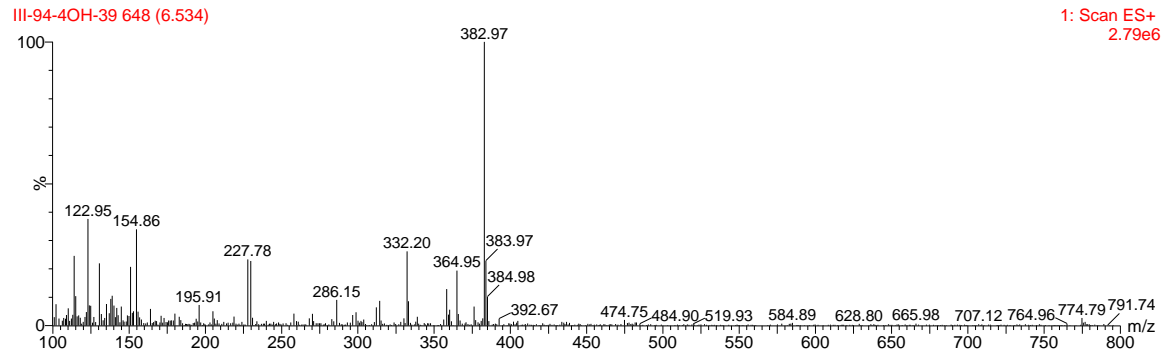
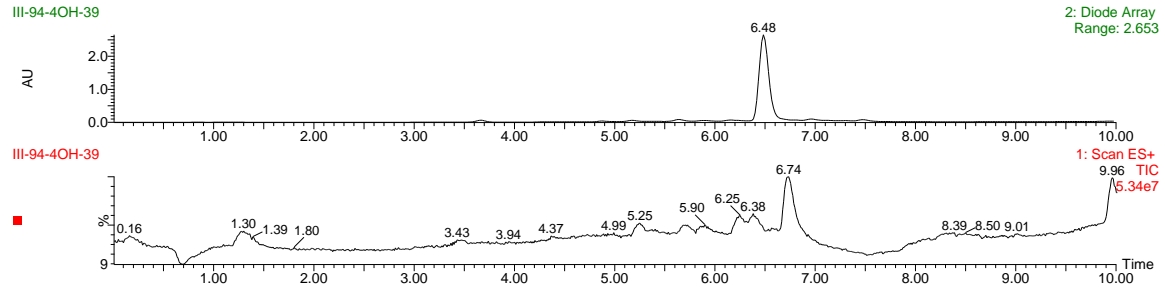
Merged XIC, Period#: 1 Experiment#: 1



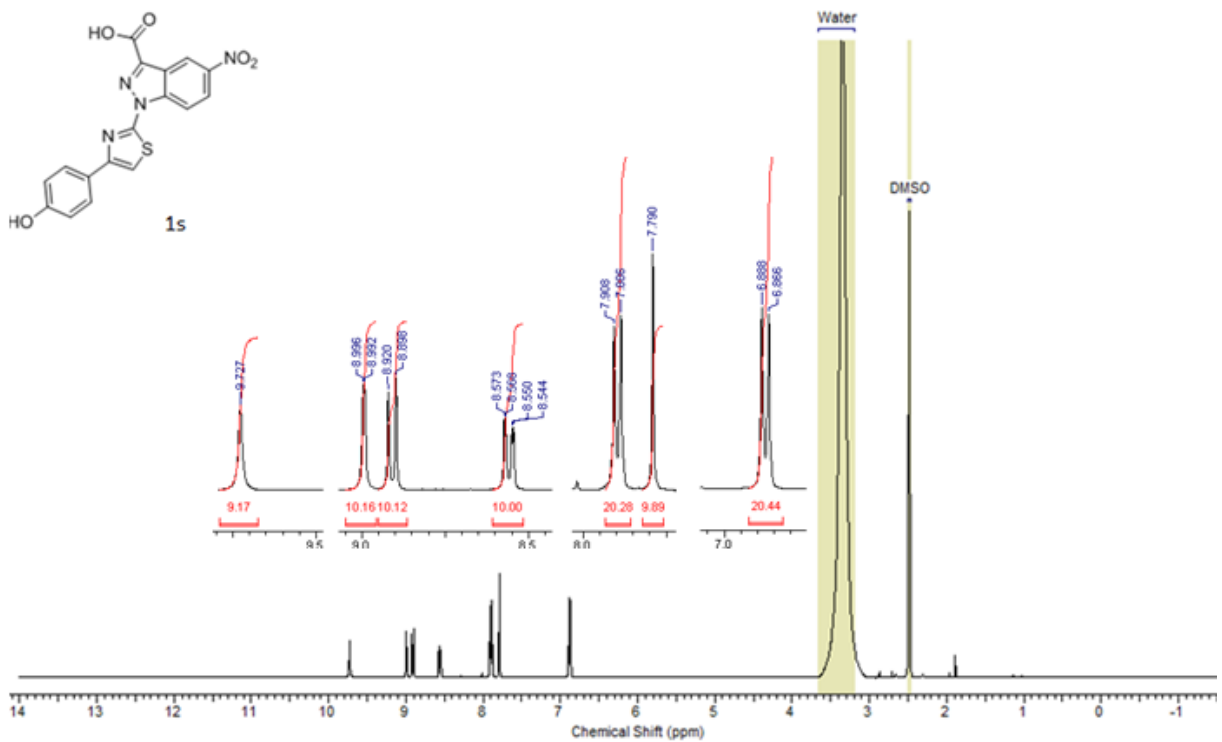
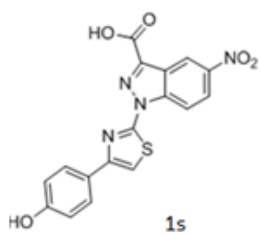
Formula	Compound name	Mass	Peak RT (min)	Peak area	Description
C17H10N4O5S	--	382.03719	0.53	1.64724 E5	--

Species	Abundance (counts)	Ion Mass	Measured Mass	Error (mDa)	Error (ppm)	Ret. Time Error (min)
[M+H] ⁺	4185.32	383.04447	383.04599	1.52767	3.99	--
[M+Na] ⁺	1830.84	405.02641	405.02794	1.53221	3.78	--

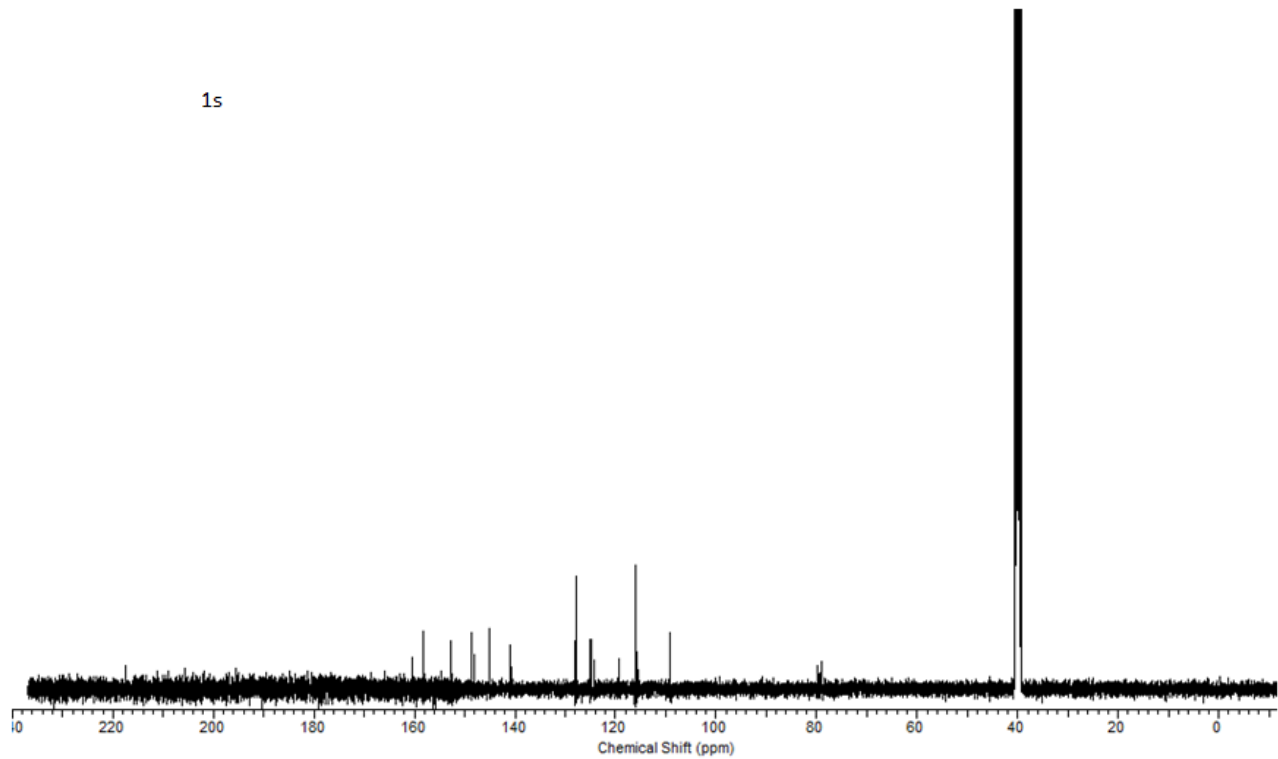
1s



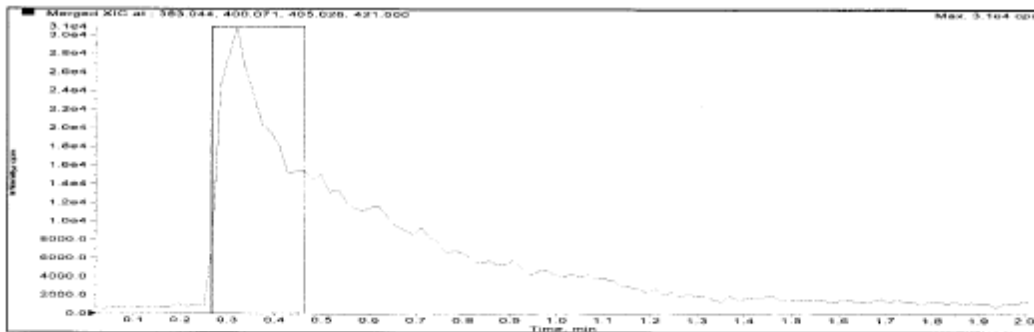
	Retention Time	% Area
1	14.087	95.07
2	16.172	2.94
3	17.020	1.99



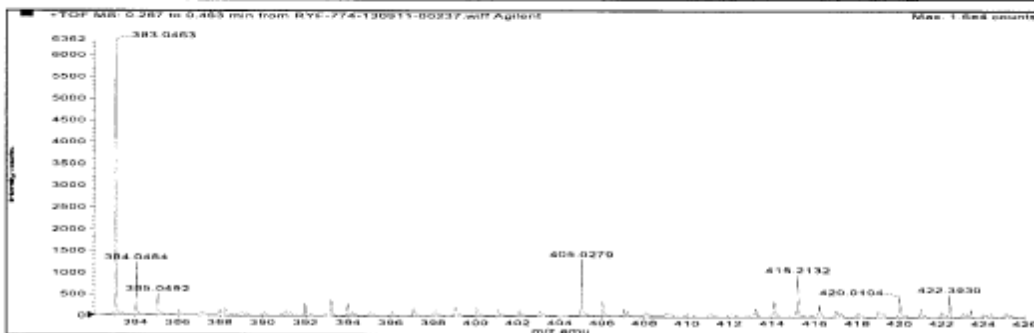
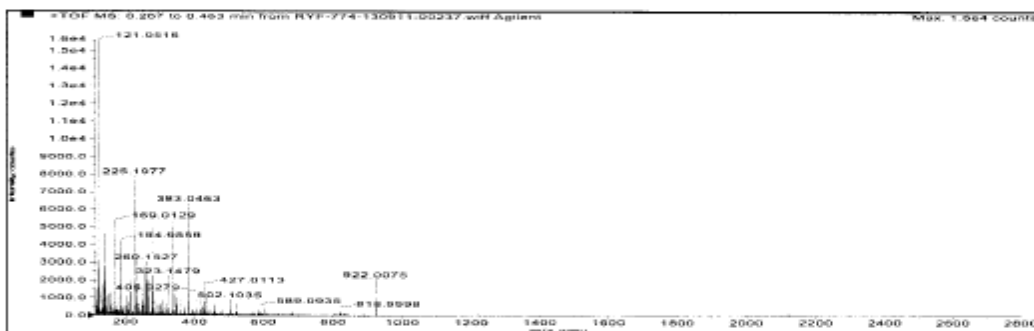
1s



Sample Name: RYF-774 Sample Location: P1-C-04 Sample Id: RYF-774 Operator: Sunia Trauger
 Data File Name: D:\PE_Sciex_Data\Projects\IOA_TOF_Data\SAT\Data\RYF-774-130911-00237.wiff Acq Time: September 13 2011, 04:24:42 PM
 Method: D:\TOF_Data\amethods\HRES_FIA_2M_0.2R_ANM.ANM\etc.xml



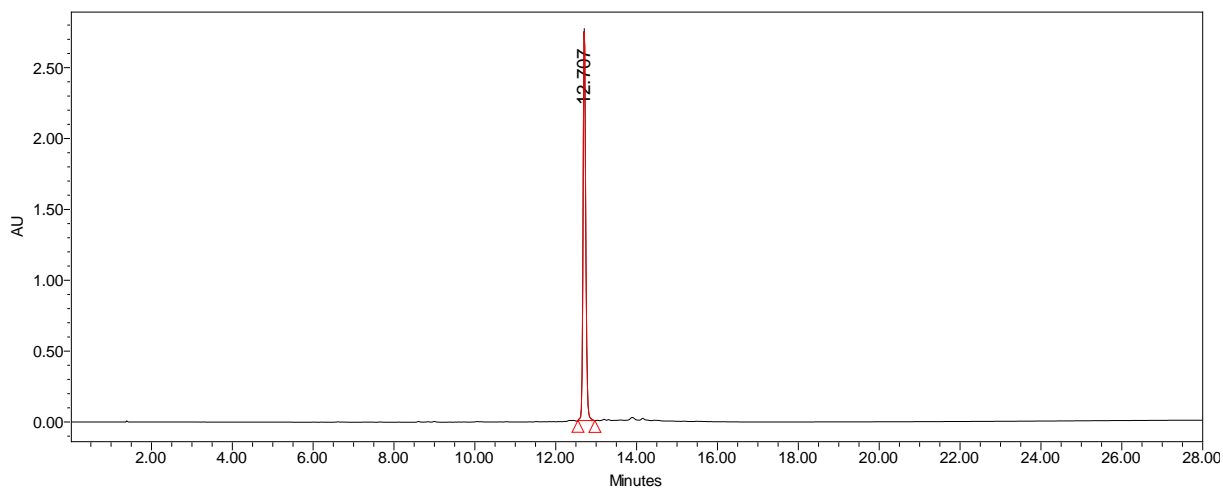
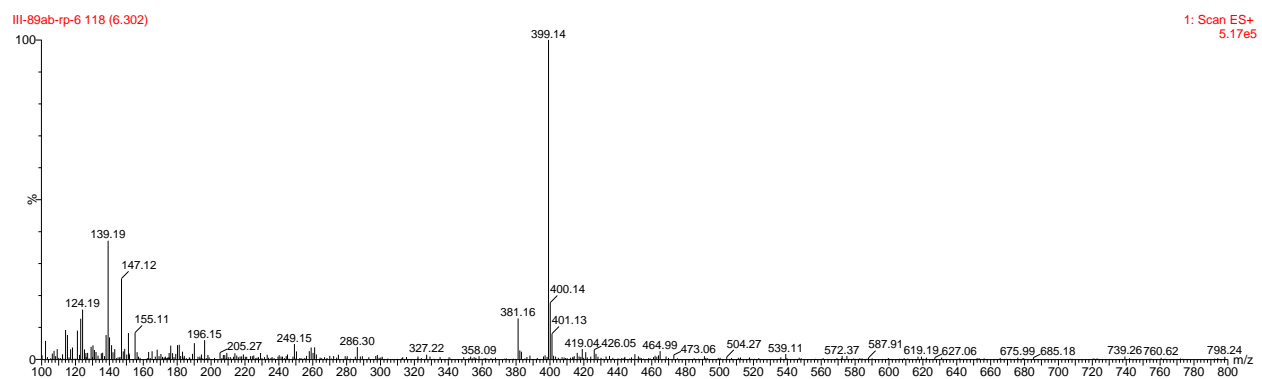
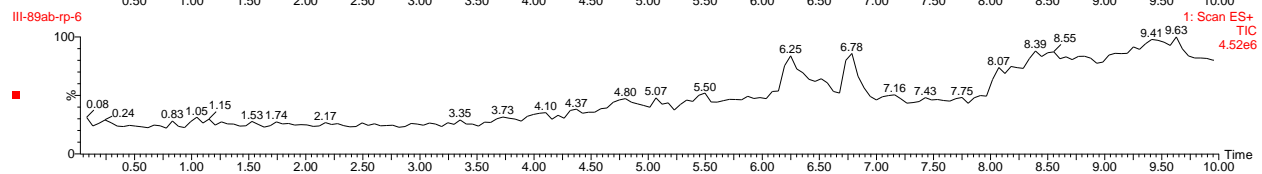
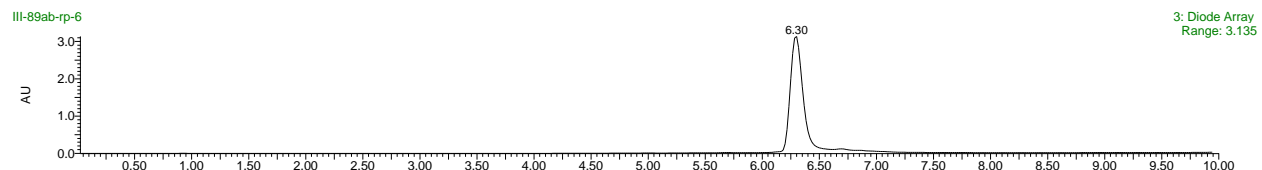
Merged XIC, Period# : 1 Experiment# : 1



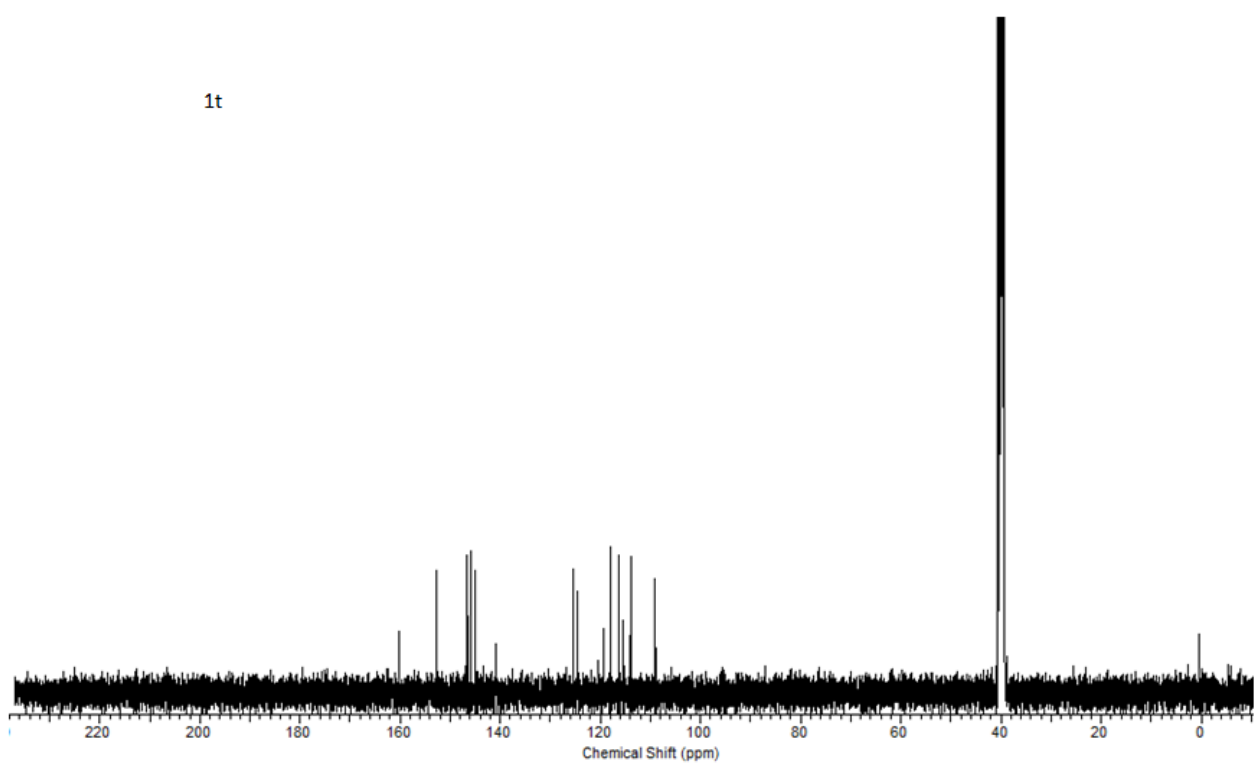
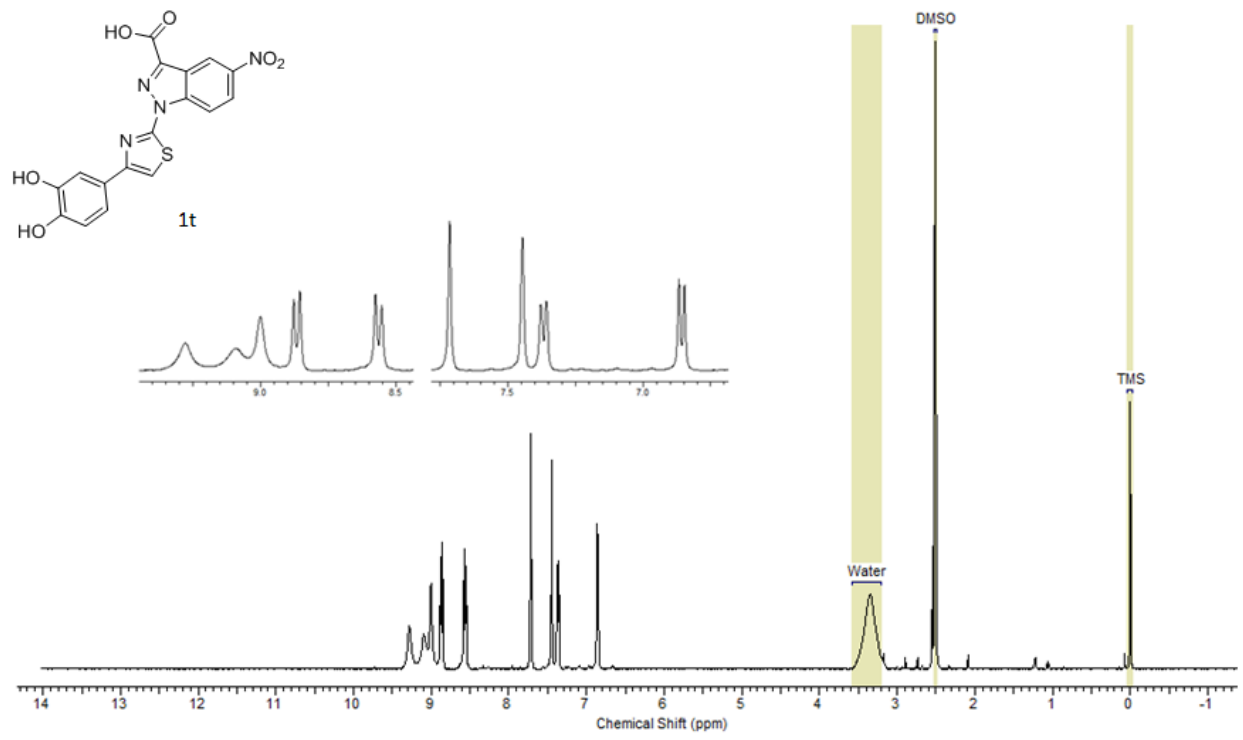
Formula	Compound name	Mass	Peak RT (min)	Peak area	Description
C17H10N4O5S	--	382.03719	0.32	1.62315 E5	--

Species	Abundance (counts)	Ion Mass	Measured Mass	Error (mDa)	Error (ppm)	Ret. Time Error (min)
[M+H] ⁺	6431.77	383.04447	383.04629	1.82398	4.76	--
[M+Na] ⁺	1362.17	405.02641	405.02794	1.53075	3.78	--

1t

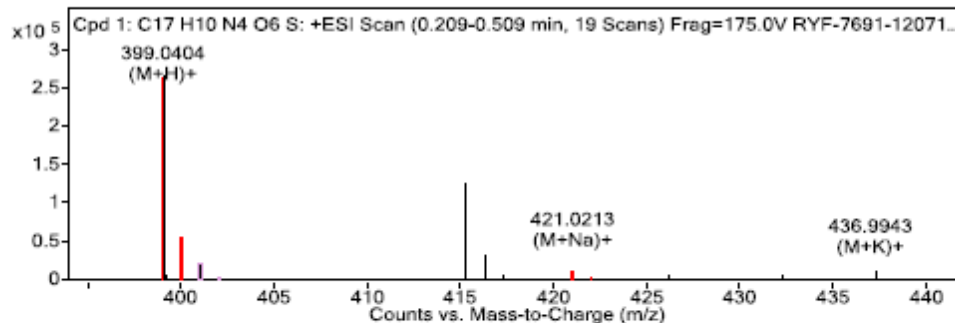
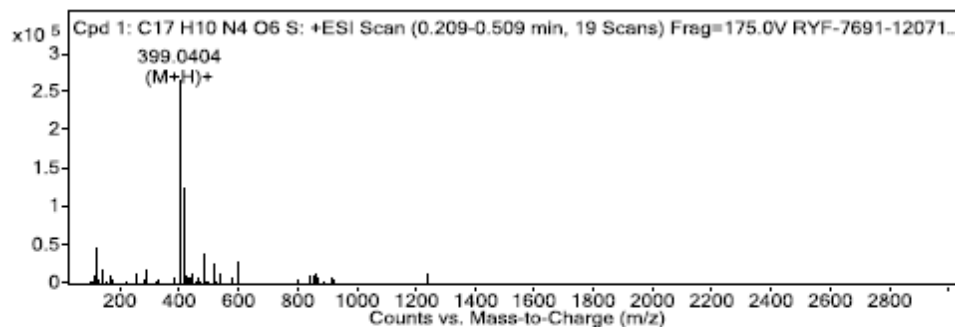
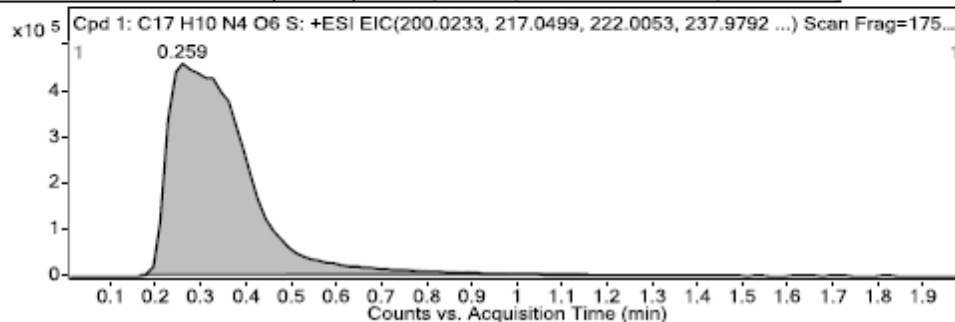


	Retention Time	% Area
1	12.707	100.00



Sample Name	RYF-769	Position	P1-A04	Instrument Name
User Name	Revital Freedman	Inj Vol	1	IRM Calibration Status
Data Filename	RYF-7691-120712-0038	ACQ Method	OA_FIA_POS.M	Comment
Acquired Time	7/12/2012 3:22:14 PM			

Compound Label	RT	Mass	Abund	Formula	Tot Mass
Cpd 1: C17 H10 N4 O6 S	0.259	398.033	266311	C17 H10 N4 O6 S	398.0321

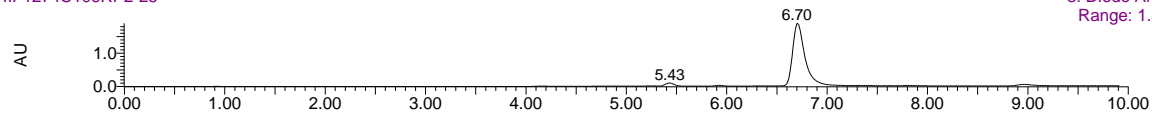


m/z	Calc m/z	Diff(ppm)	z	Abund	Formula	Ion
399.0404	399.0394	2.44	1	266311.31	C17H11N4O6S	(M+H)+
400.0426	400.0422	1.15	1	51685.96	C17H11N4O6S	(M+H)+
416.0686	416.0659	6.53	1	81.6	C17H14N5O6S	(M+NH4)+
421.0213	421.0213	-0.05	1	8934.41	C17H10N4NaO6S	(M+Na)+
422.0237	422.0241	-1	1	2133.24	C17H10N4NaO6S	(M+Na)+
436.9943	436.9953	-2.27	1	121.47	C17H10KN4O6S	(M+K)+

1u

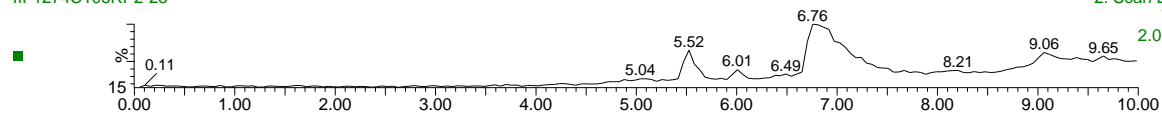
III-1274C106RP2-25

3: Diode Array
Range: 1.899



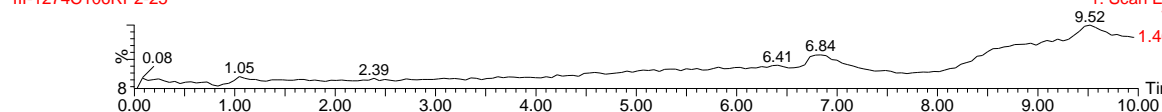
III-1274C106RP2-25

2: Scan ES-
TIC
2.01e6



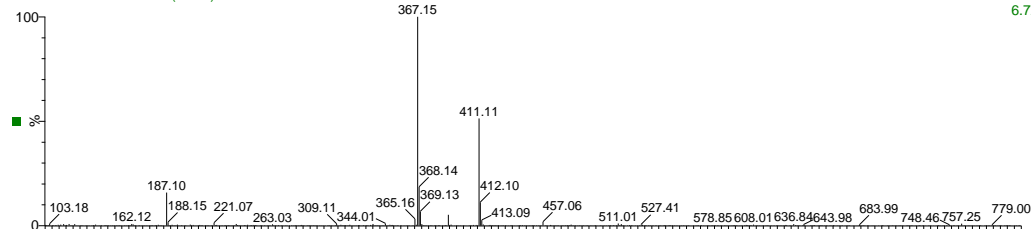
III-1274C106RP2-25

1: Scan ES+
TIC
1.40e7



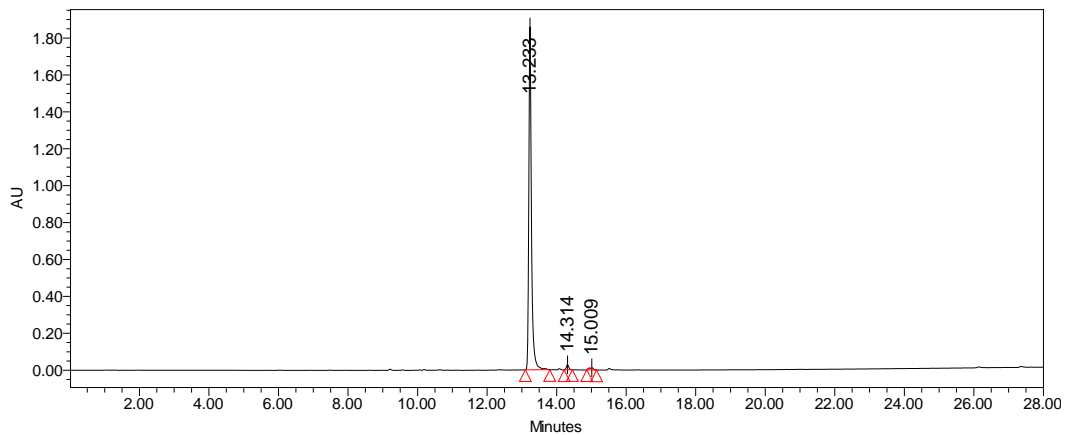
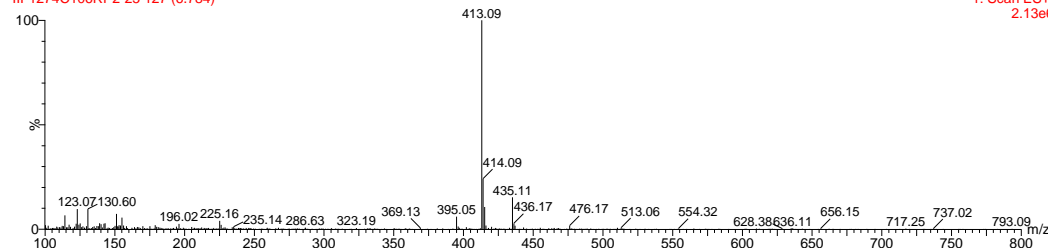
III-1274C106RP2-25 127 (6.811)

2: Scan ES-
6.72e5

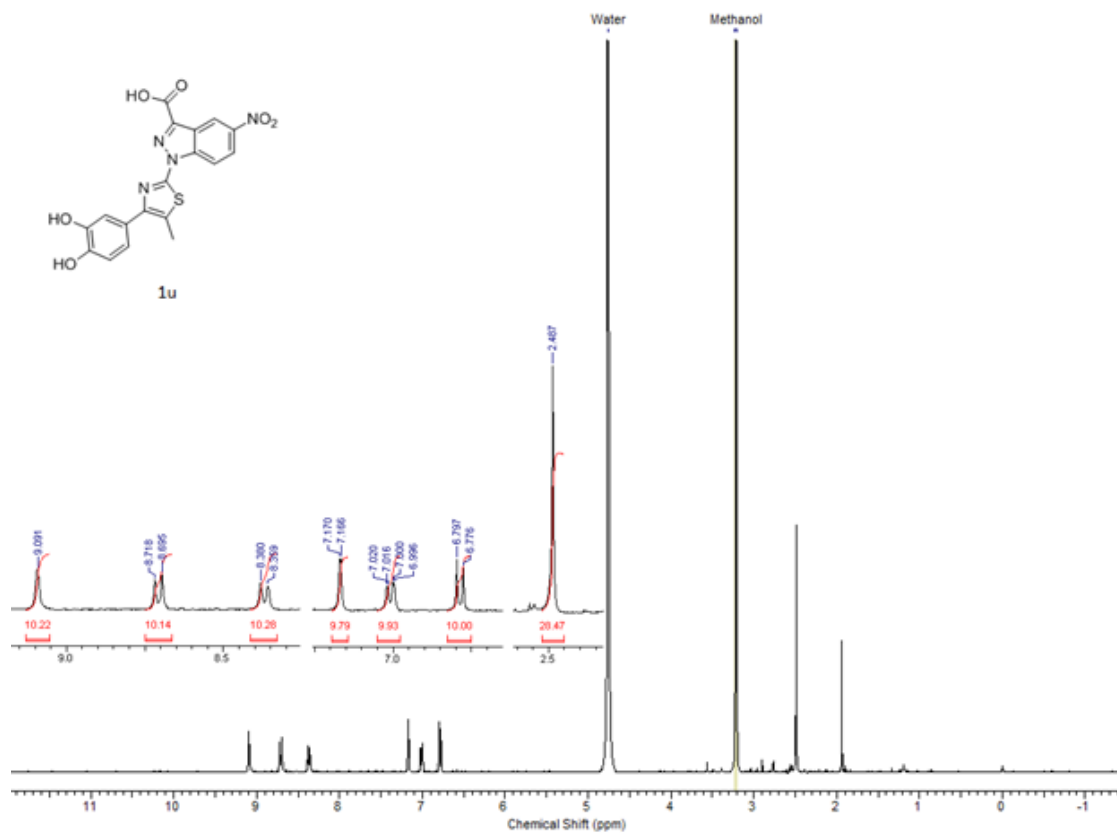


III-1274C106RP2-25 127 (6.784)

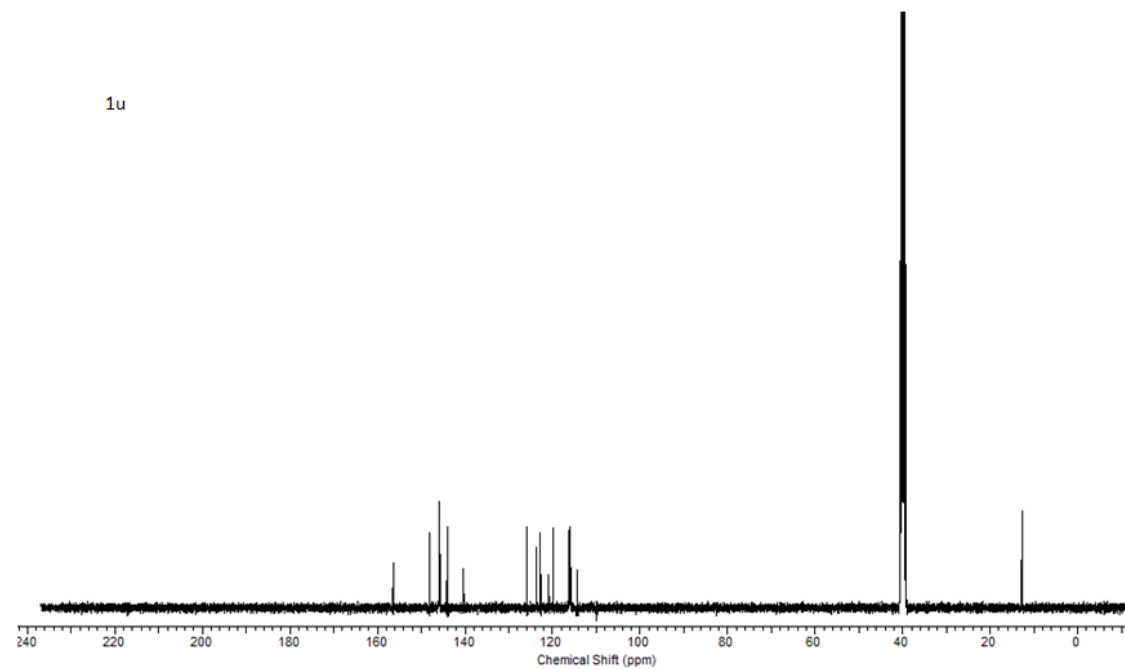
1: Scan ES+
2.13e6



	Retention Time	% Area
1	13.233	97.63
2	14.314	1.39
3	15.009	0.99

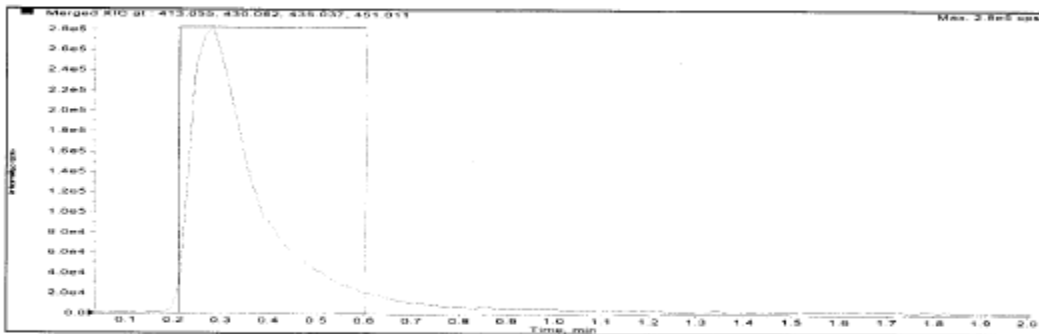


Recrystallized from acetic acid. Peak shows on spectrum.

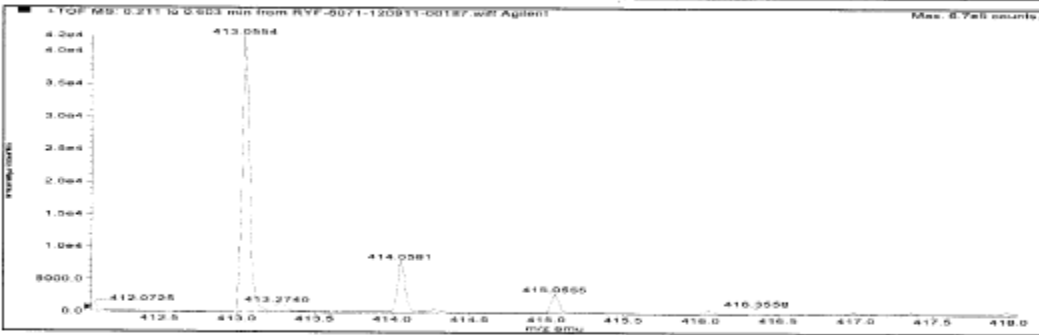
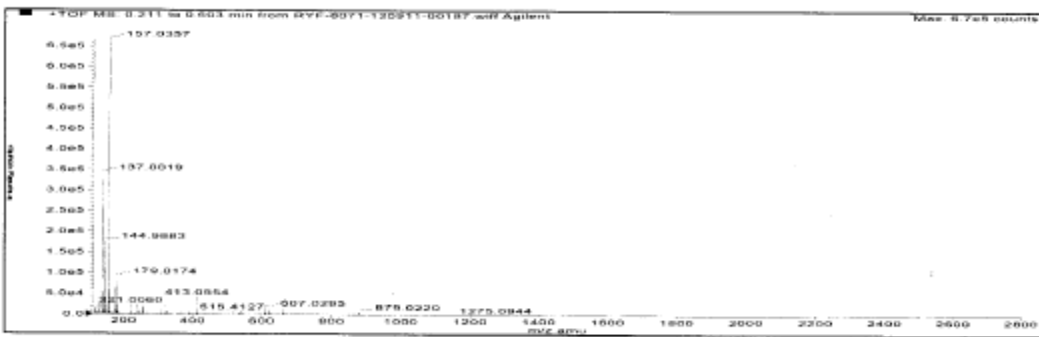


Sample Name: RYF-807 Sample Location: P1-D-07 Sample Id: RYF-807 Operator: Revital Freedman
 Data File Name: D:\PE Scislex Data\Projects\QA_TOF Data\Chorev\Data\RYF-8071-120911-00187.wiff Acq Time: September 12 2011, 04:46:40 PM
 Method: D:\TOF_Data\damethods\HRES_FIA_2M_0.2R_ANM\ANM\efc.xml

One or more scans have failed IRM. Review the data file for details.

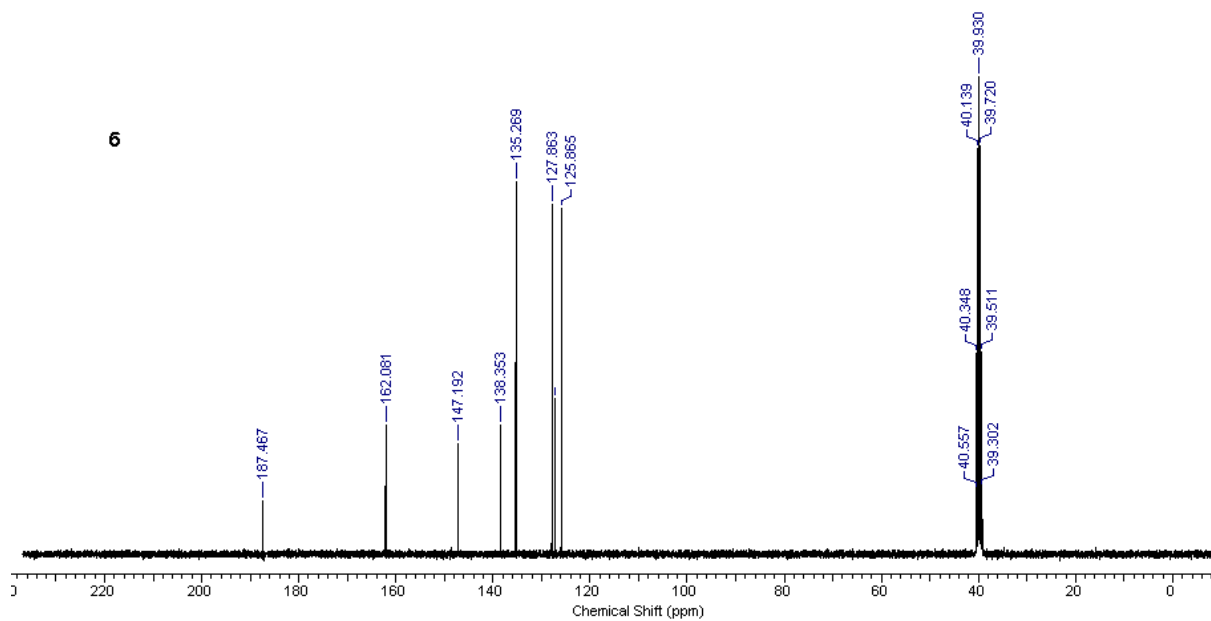
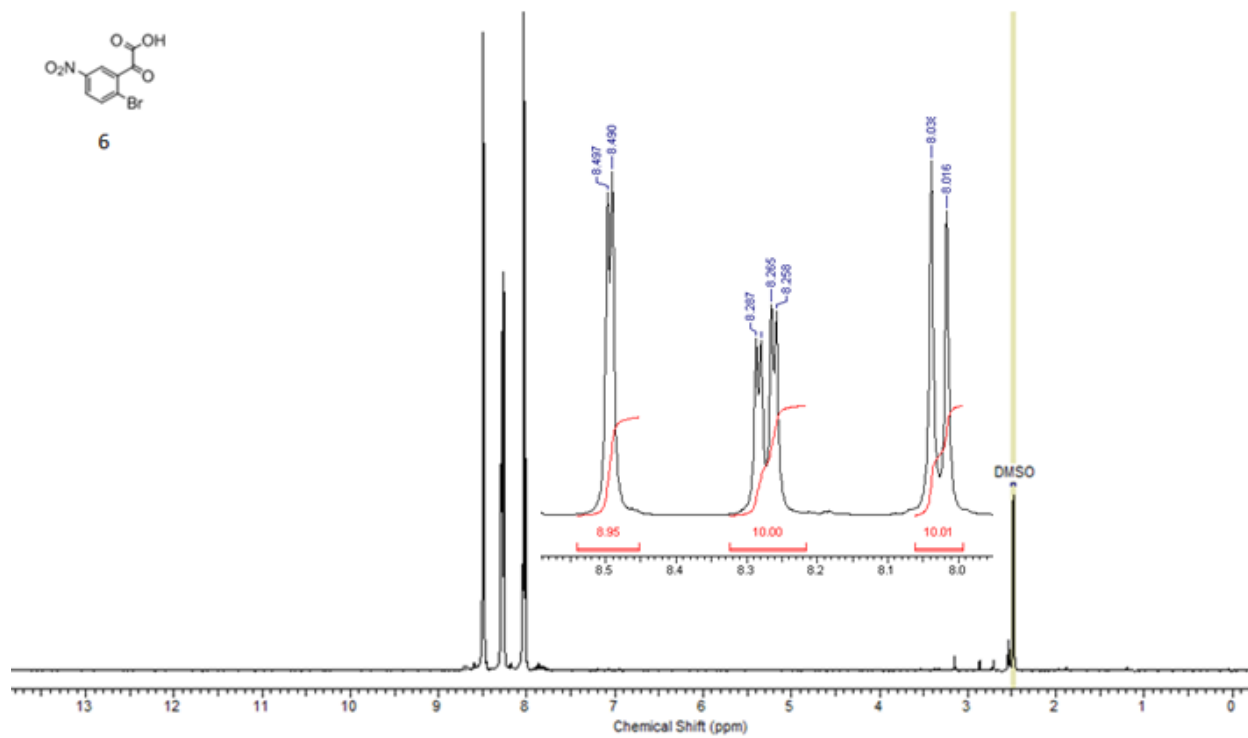
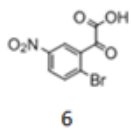


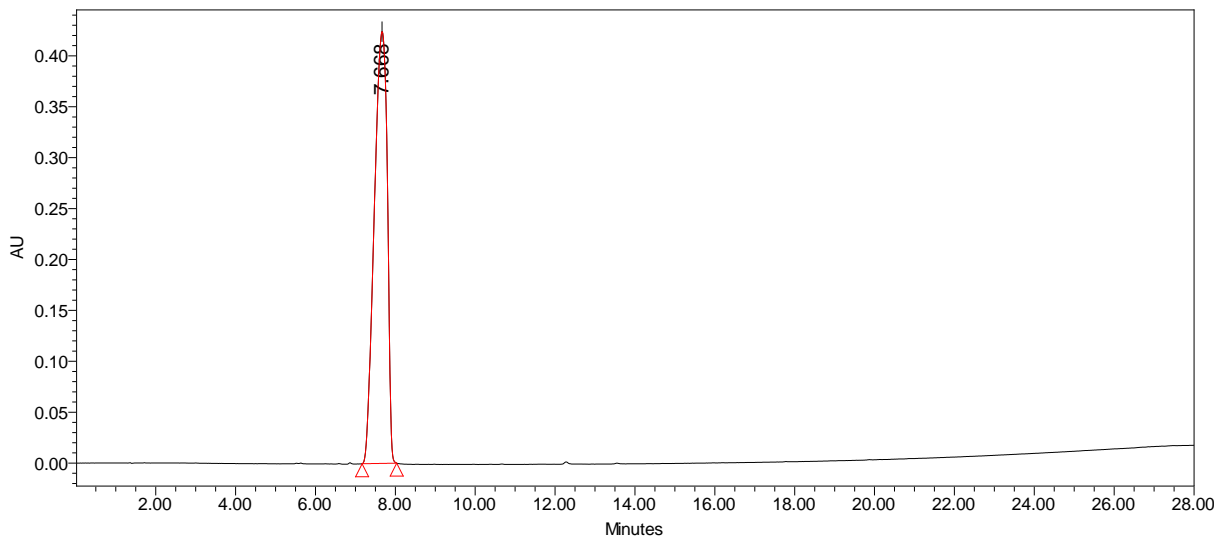
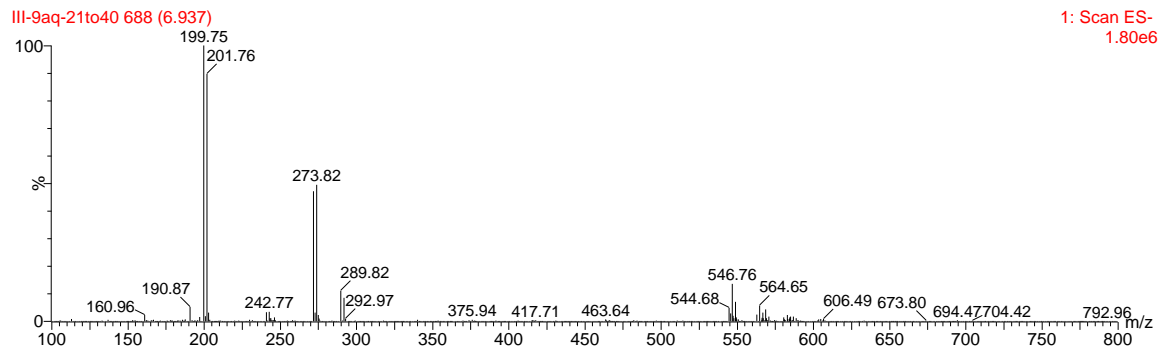
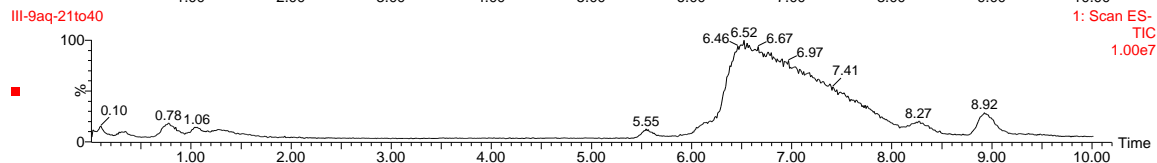
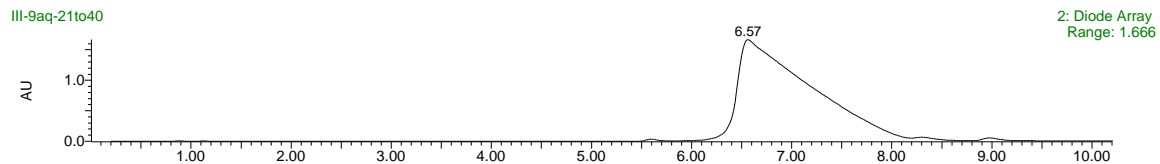
Merged XIC, Period#: 1 Experiment#: 1



Formula	Compound name	Mass	Peak RT (min)	Peak area	Description
C18H12N4O6S	--	412.0476	0.28	2.71304 E5	--

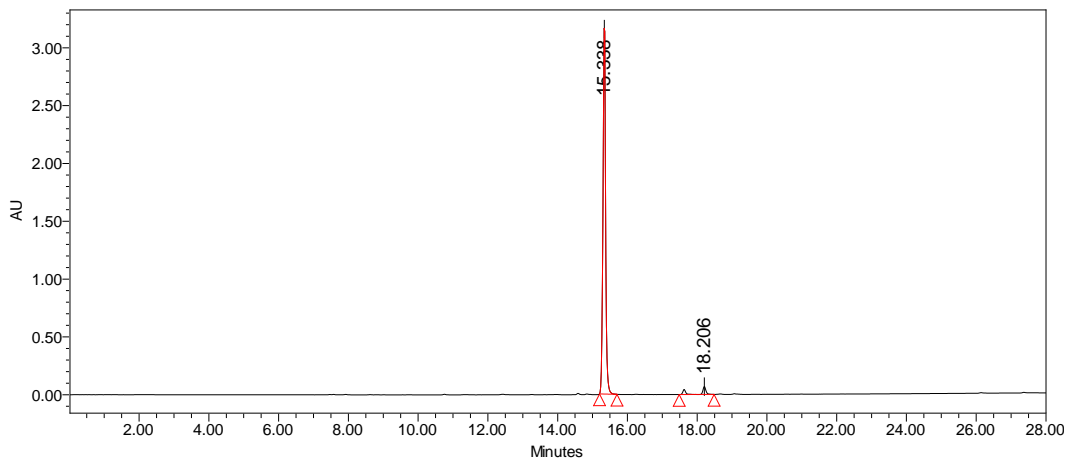
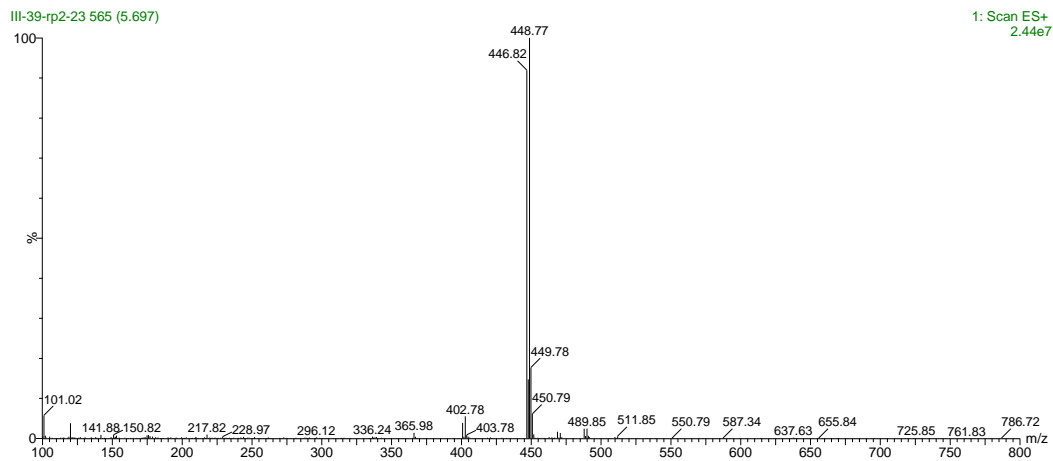
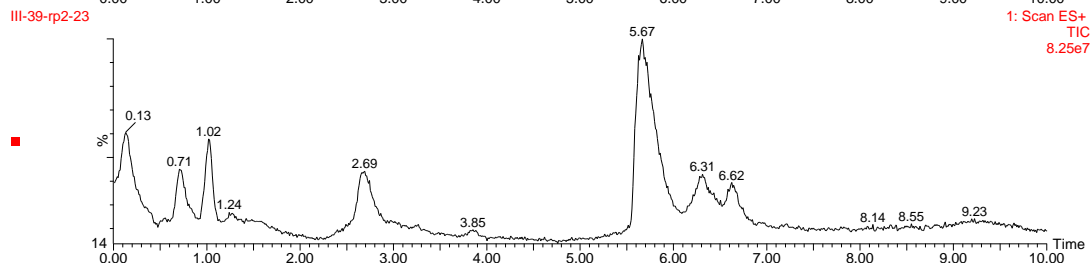
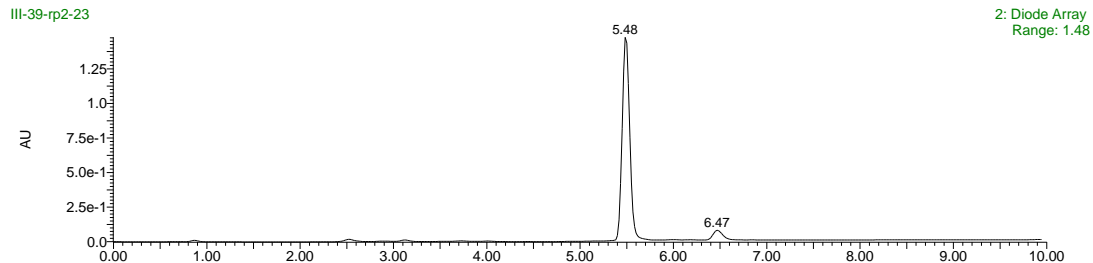
Species	Abundance (counts)	Ion Mass	Measured Mass	Error (mDa)	Error (ppm)	Ret. Time Error (min)
[M+H] ⁺	43215.38	413.05503	413.05543	0.40349	0.98	--



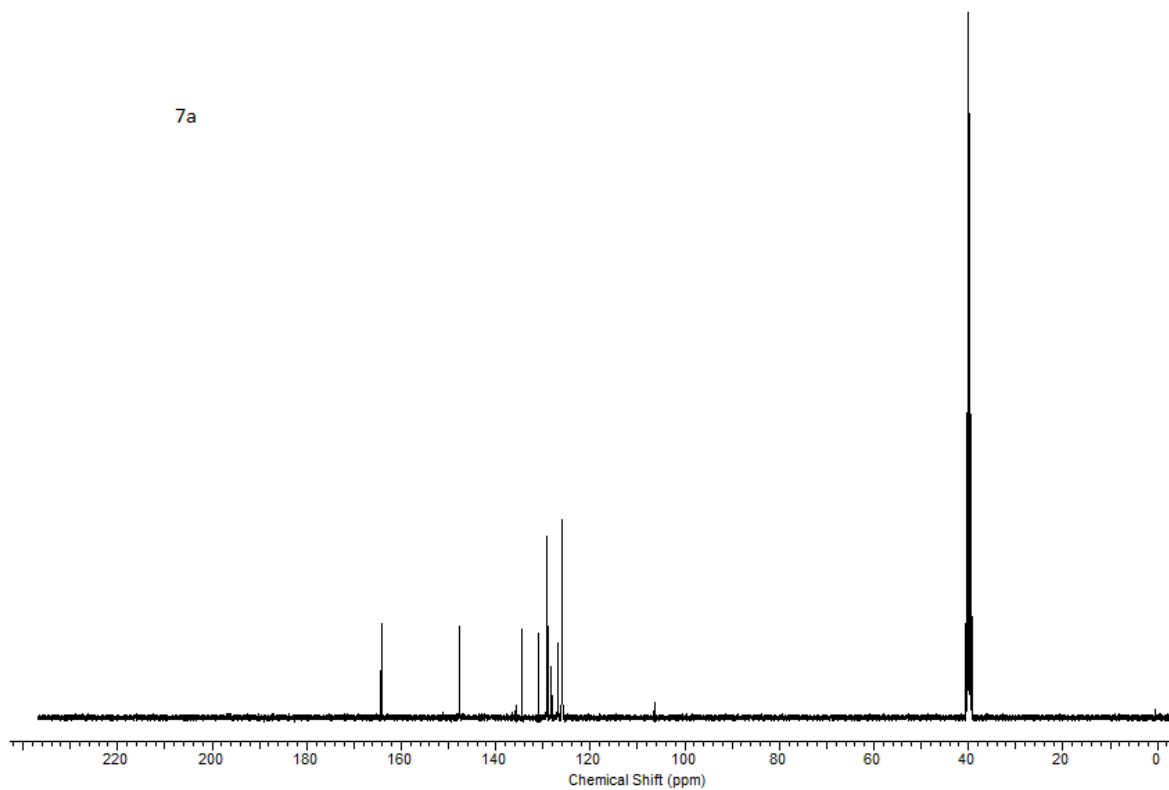
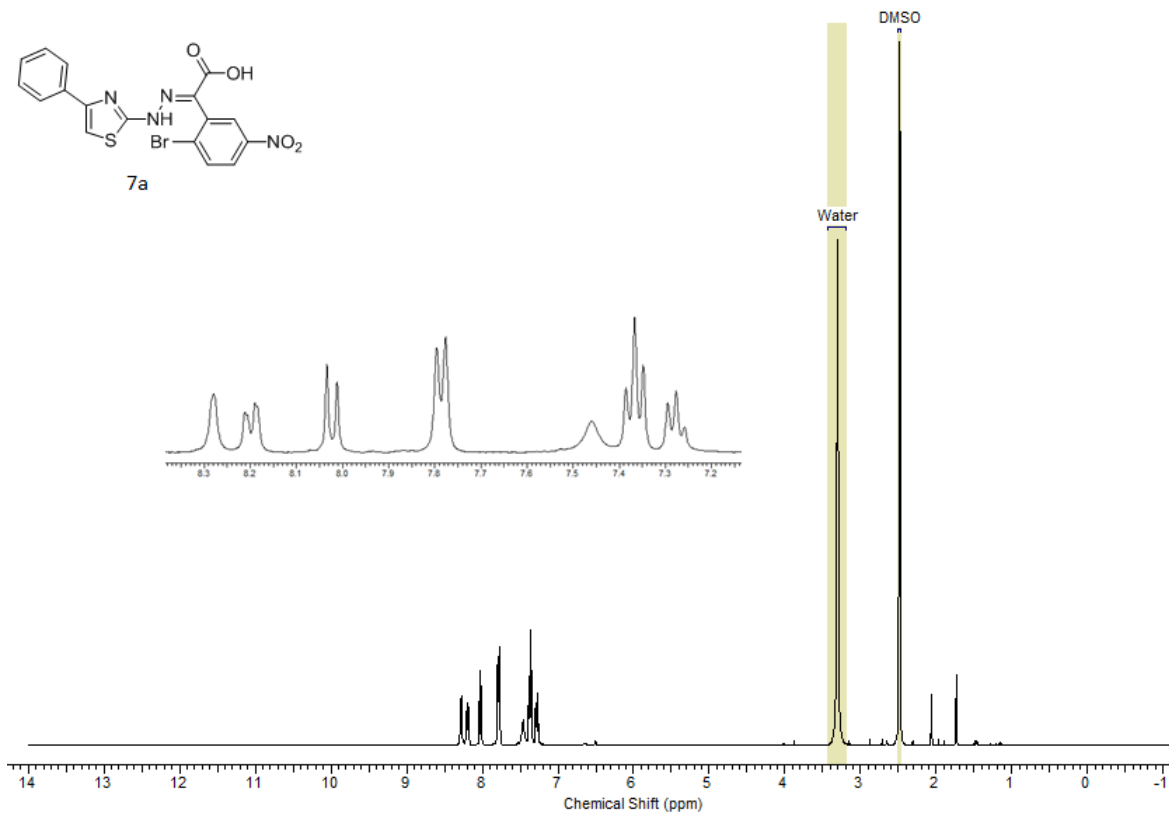
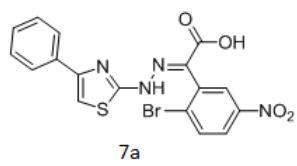


	Retention Time	% Area
1	7.668	100.00

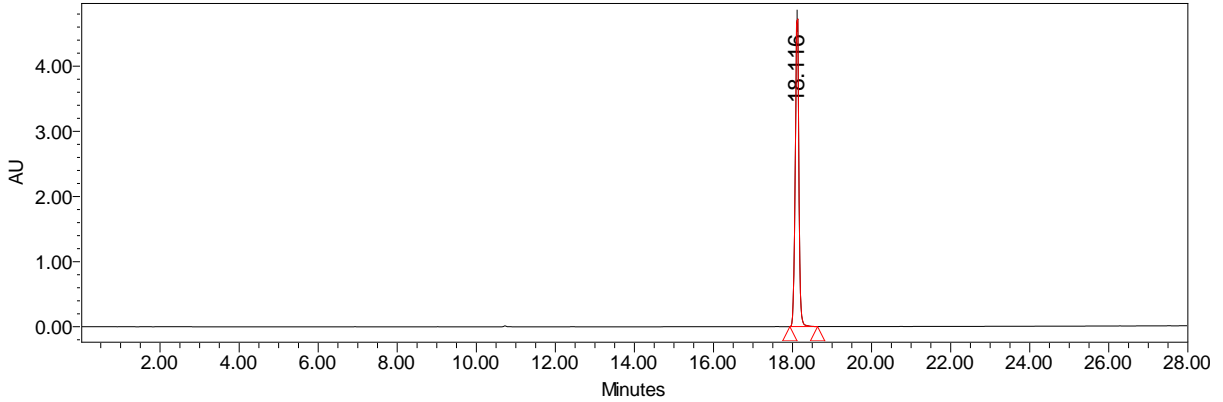
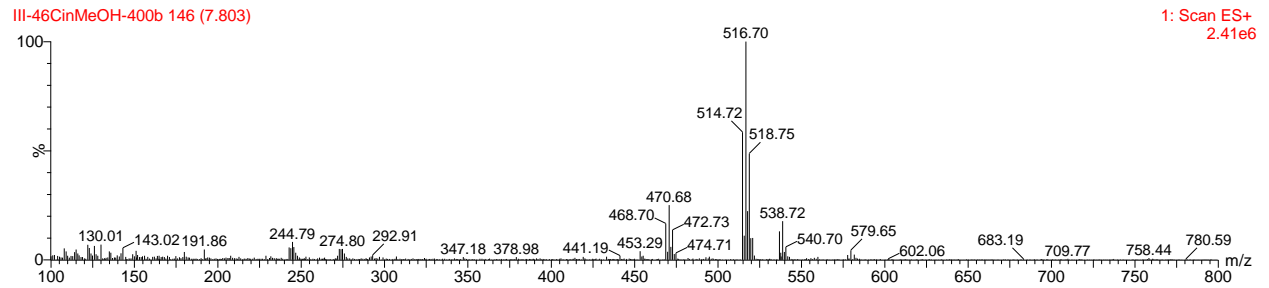
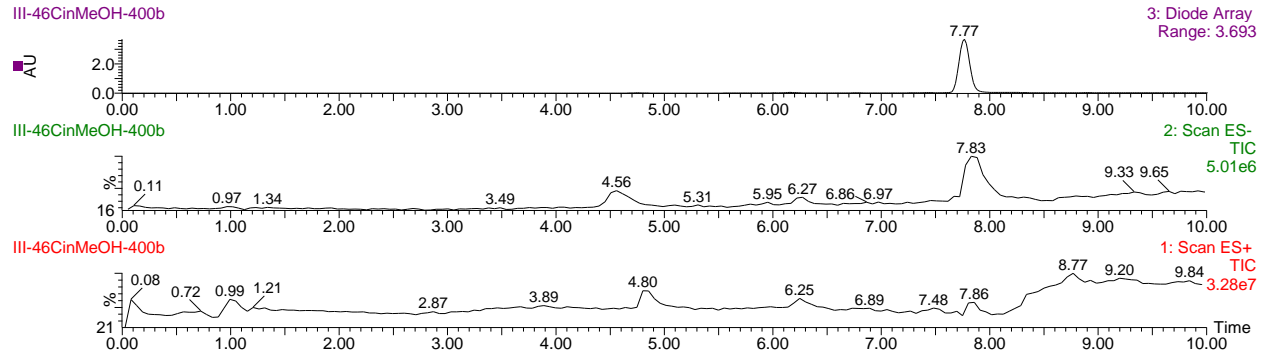
7a



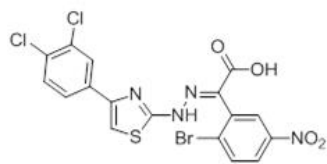
	Retention Time	% Area
1	15.338	96.27
2	18.206	3.73



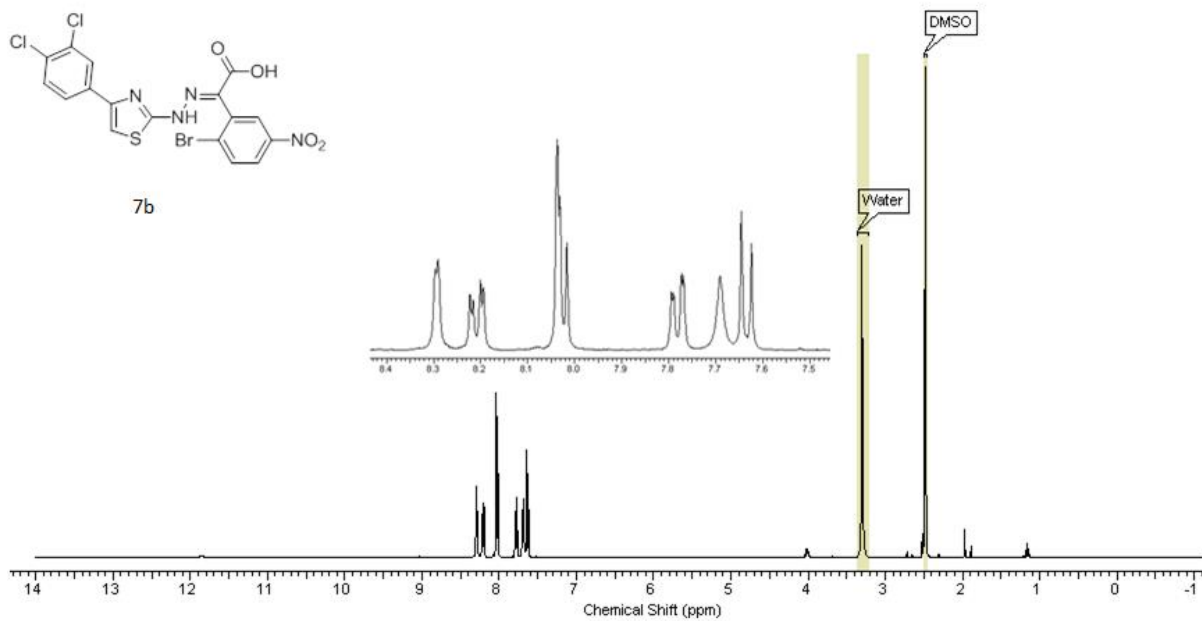
7b



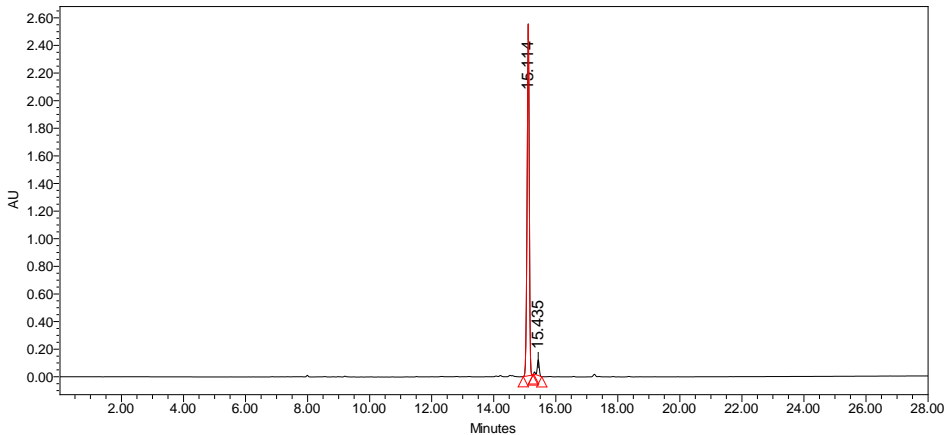
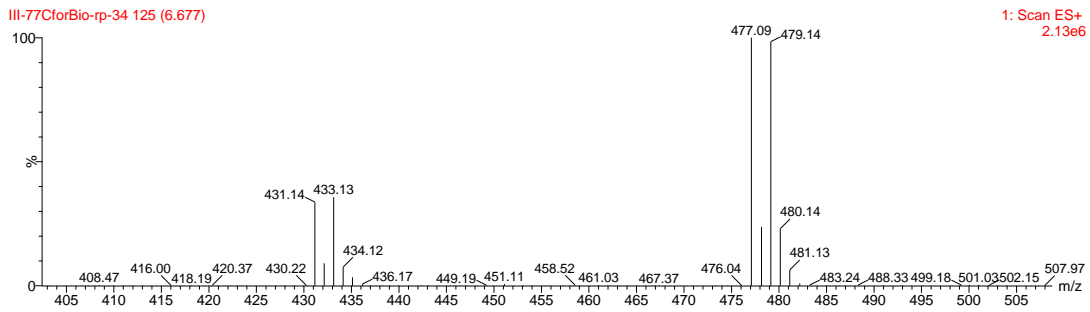
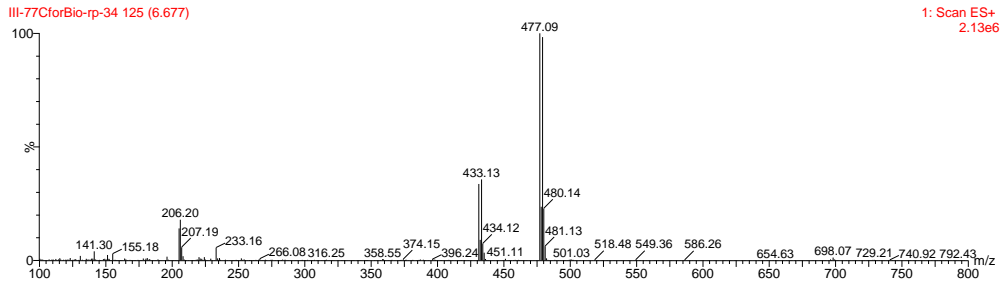
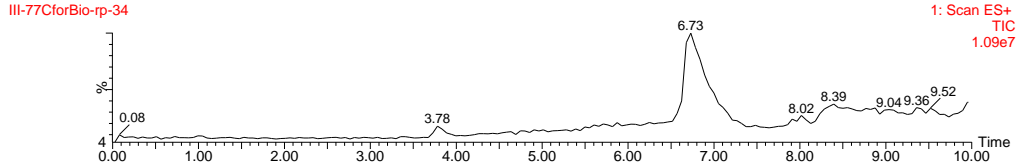
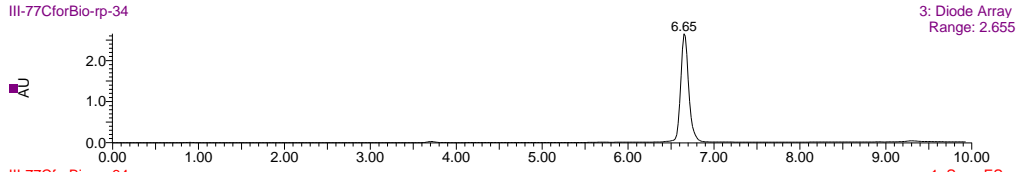
	Retention Time	% Area
1	18.116	100.00



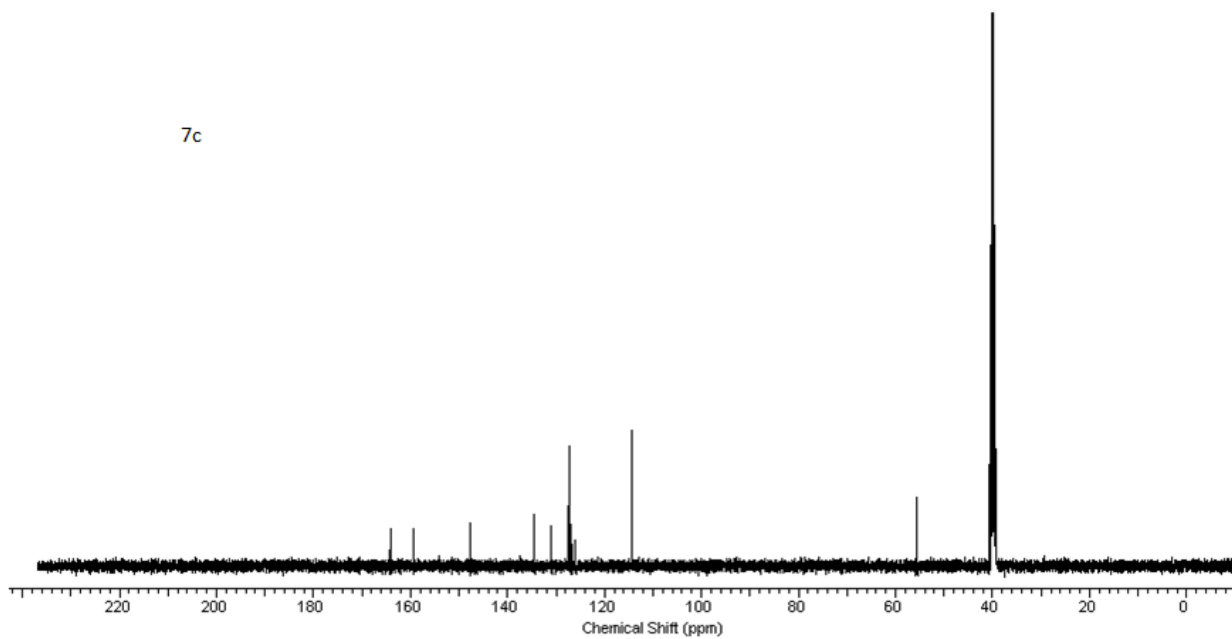
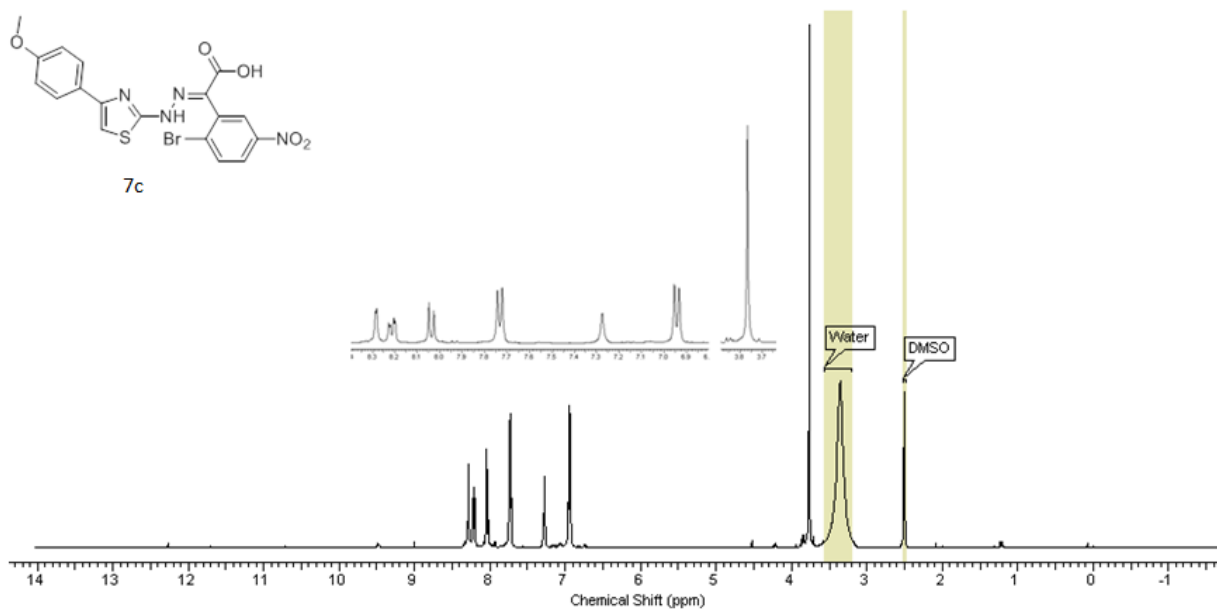
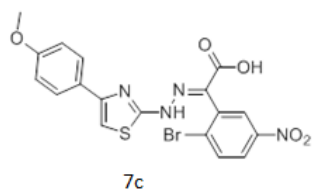
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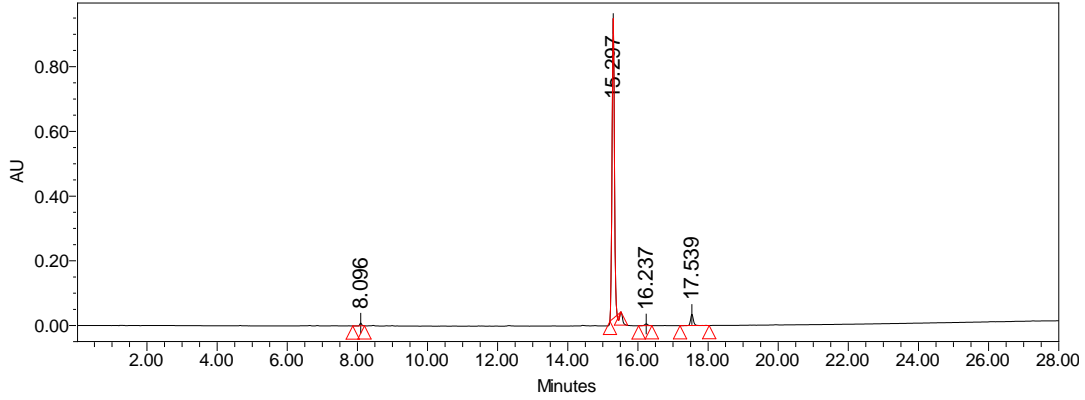
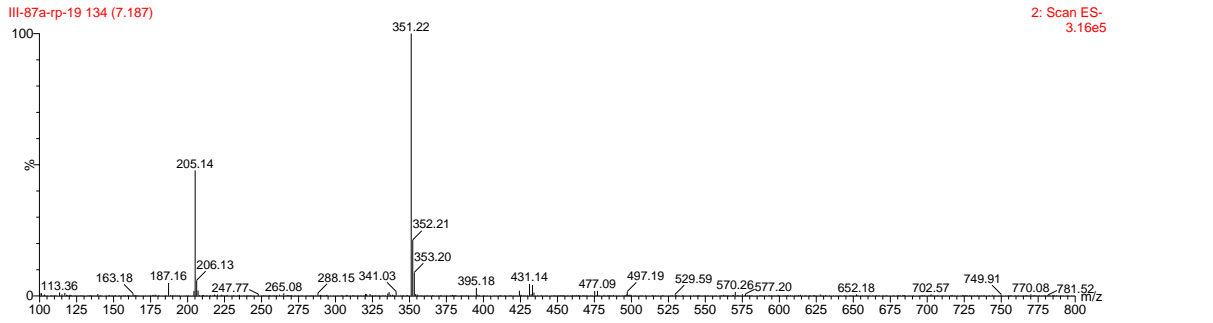
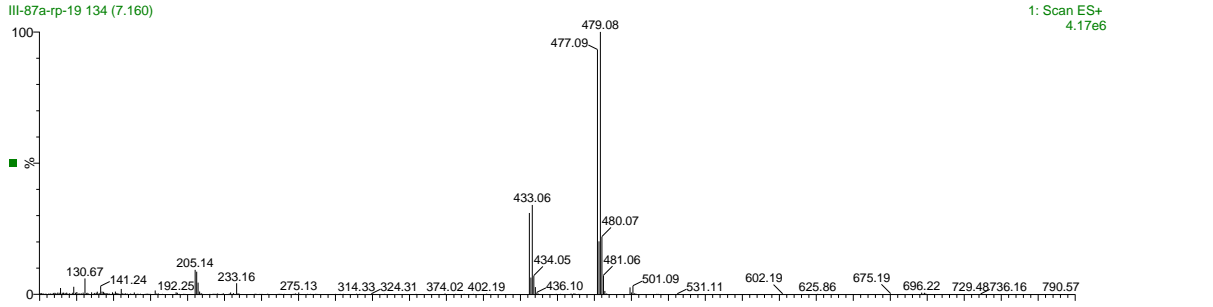
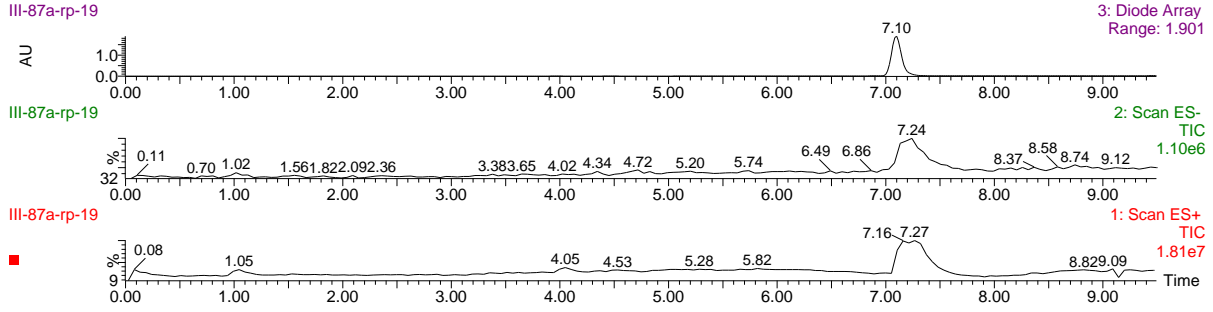
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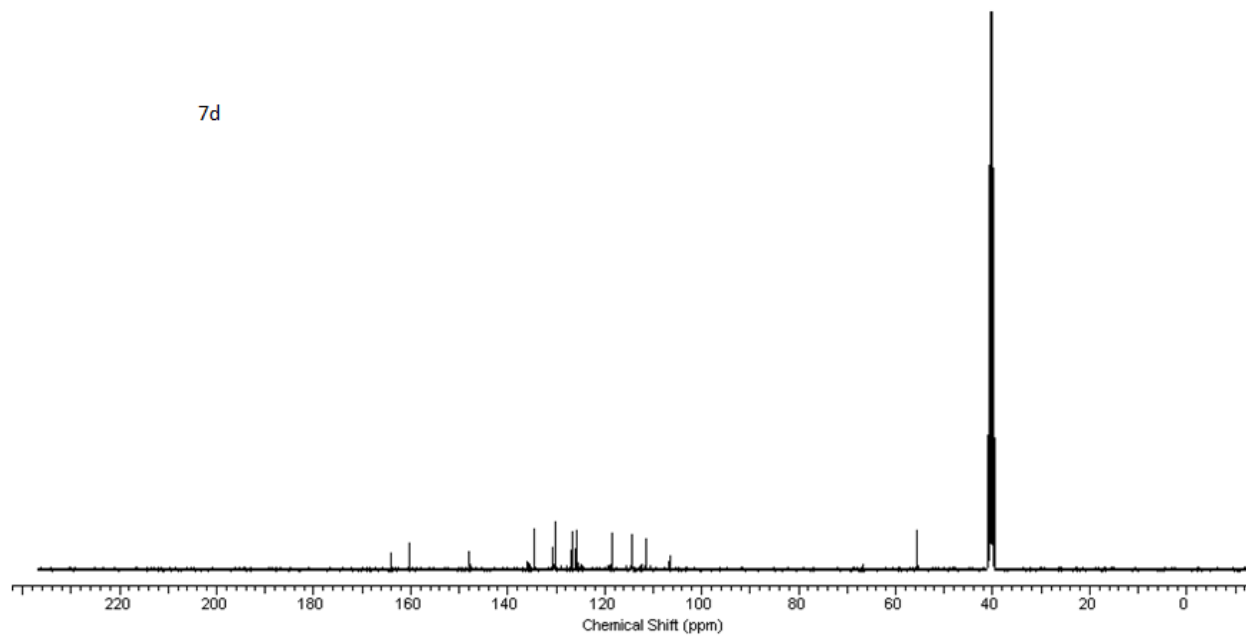
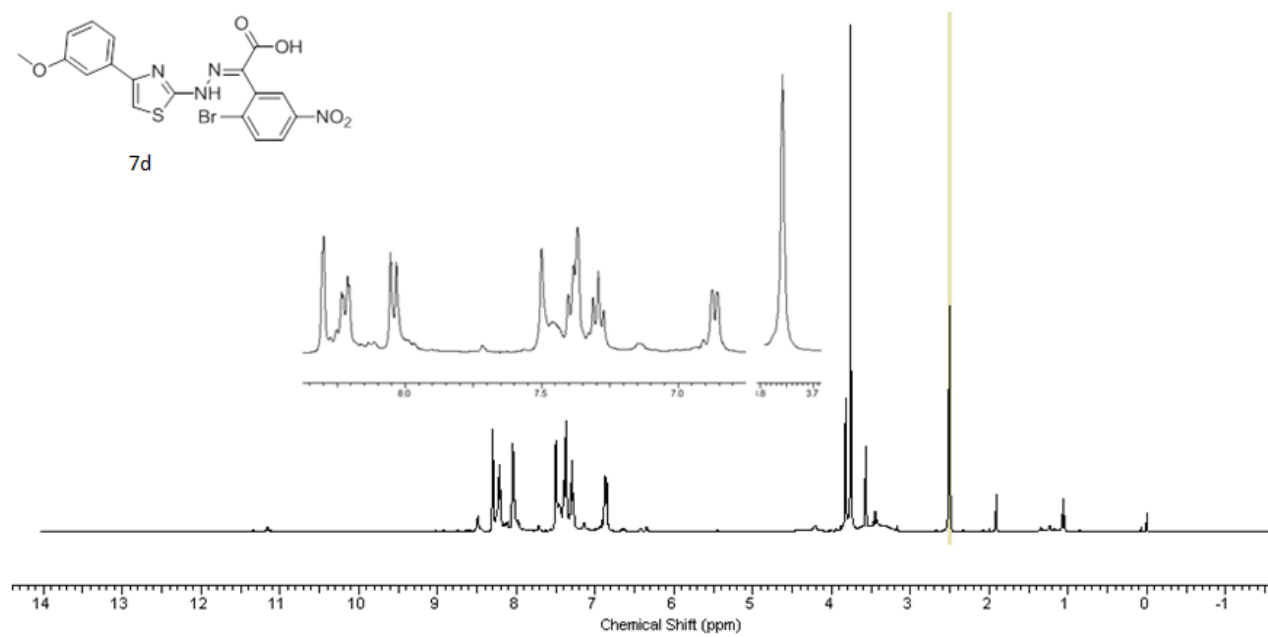
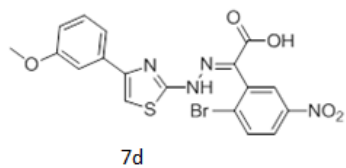
	Retention Time	% Area
1	15.114	95.81
2	15.435	4.19



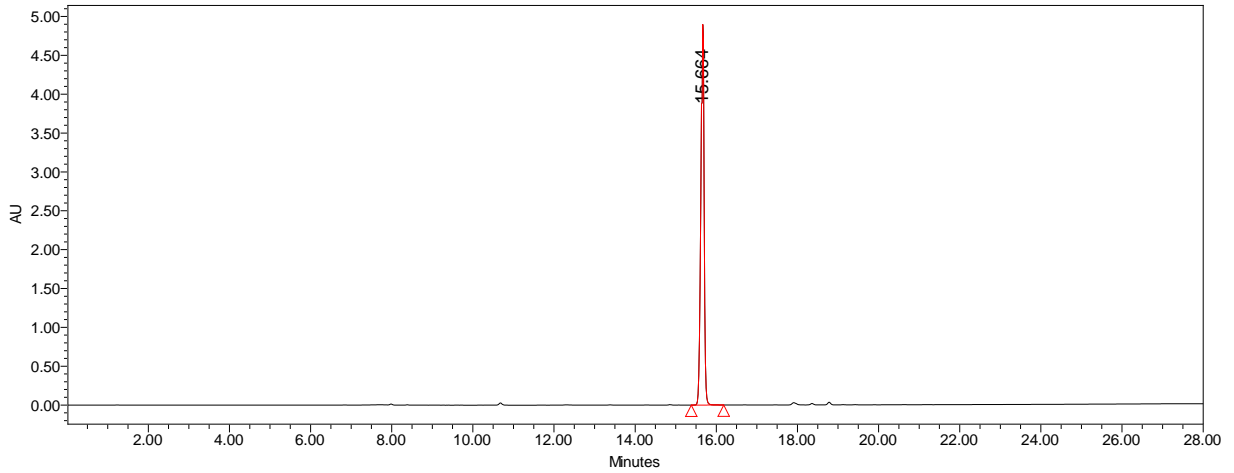
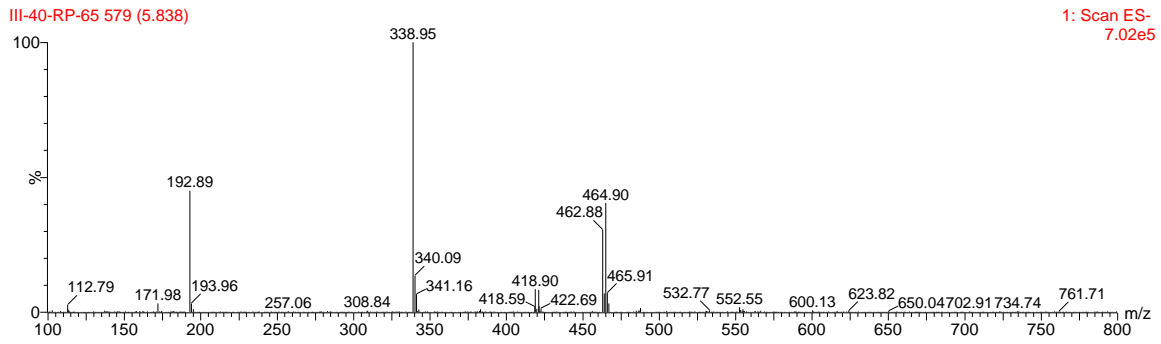
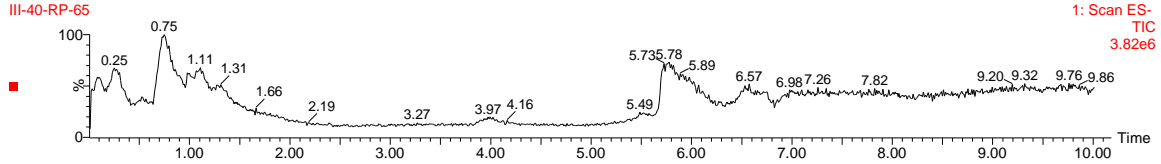
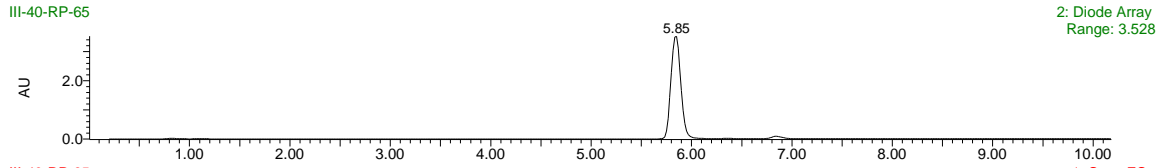
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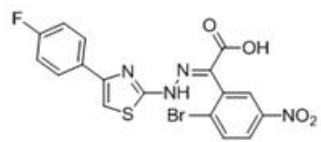
Retention Time	% Area
8.096	0.69
15.297	94.32
16.237	0.75
17.539	4.24



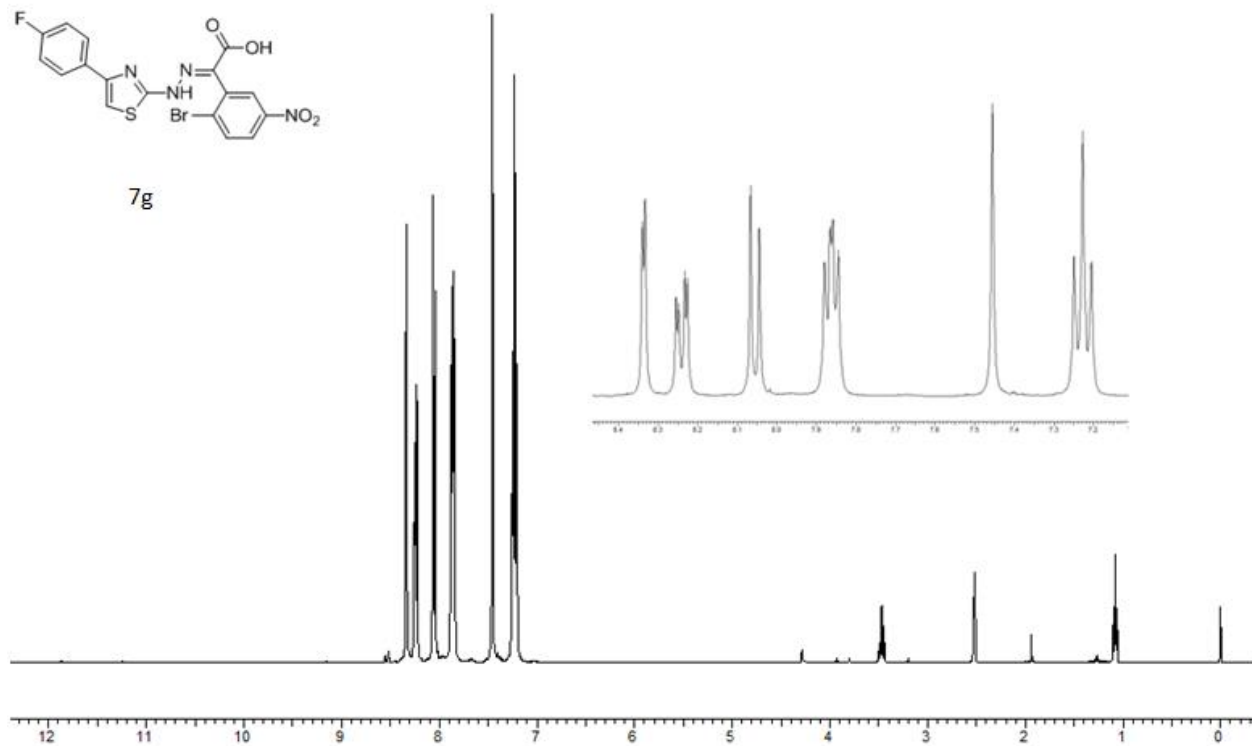
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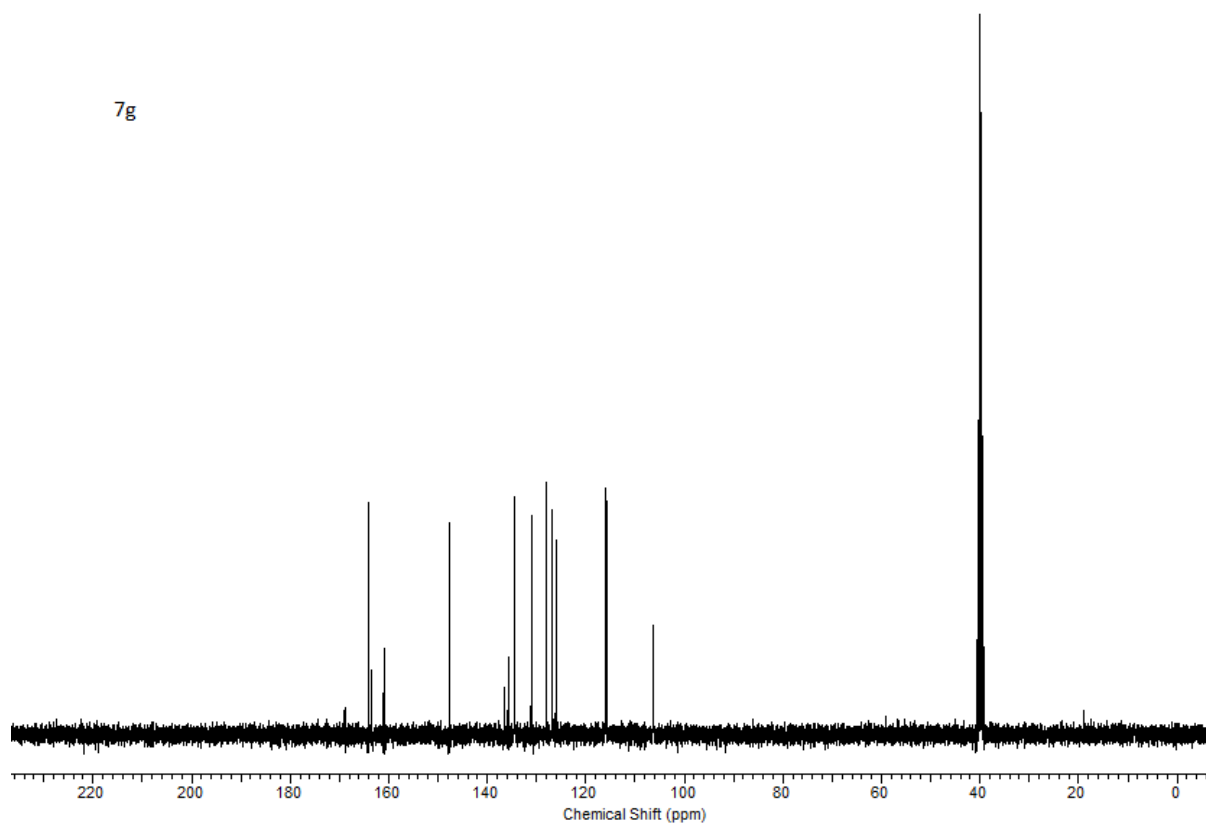
	Retention Time	% Area
1	15.664	100.00

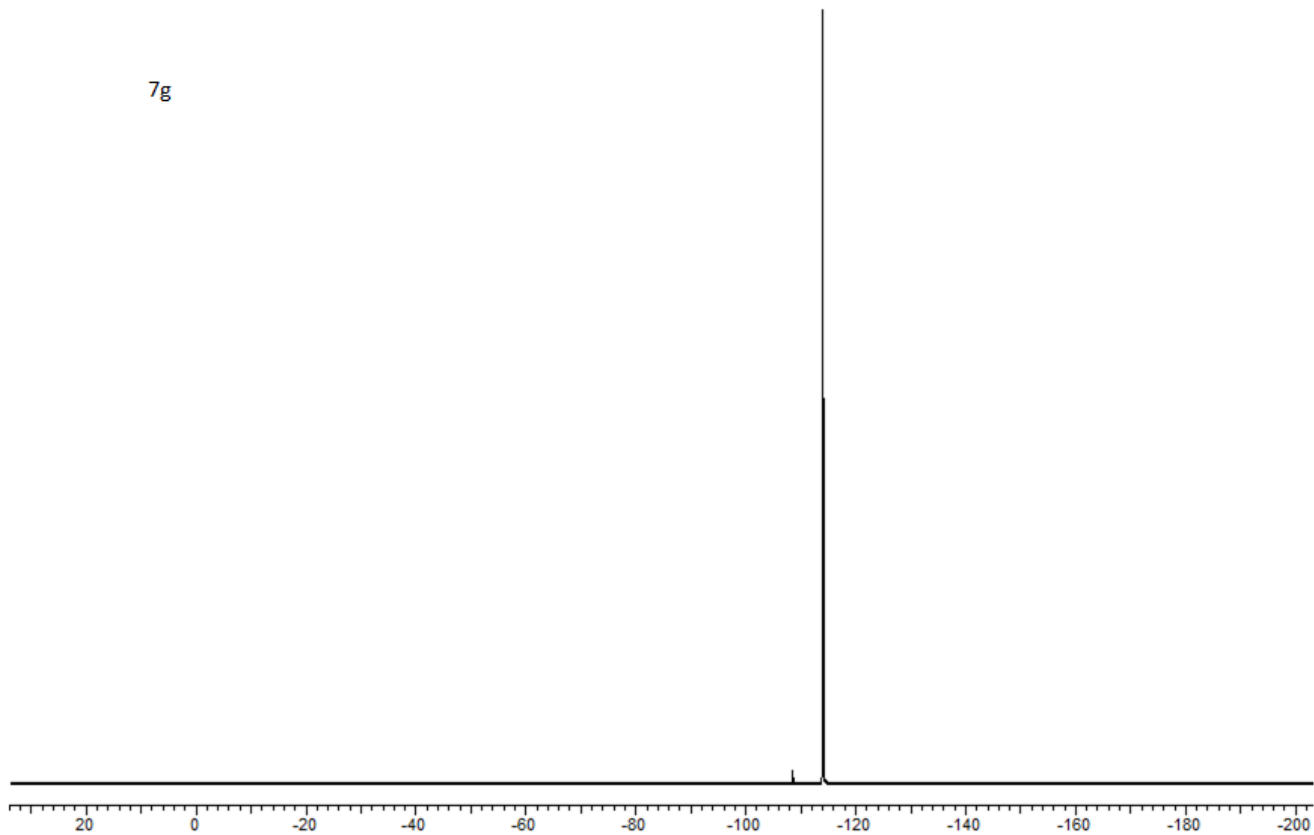


7g

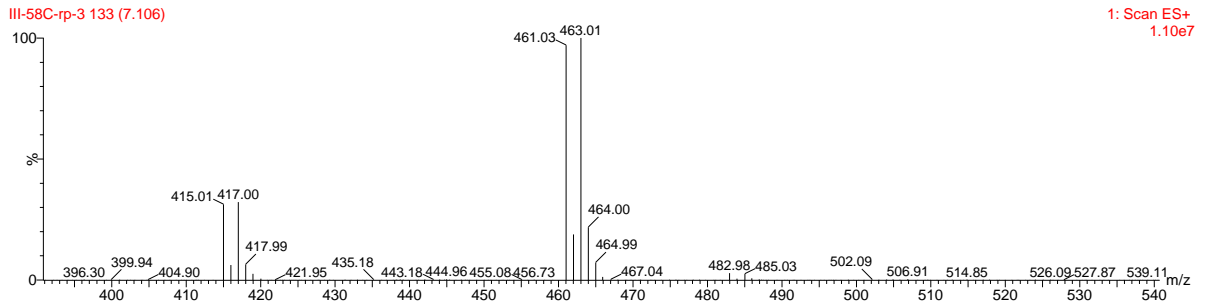
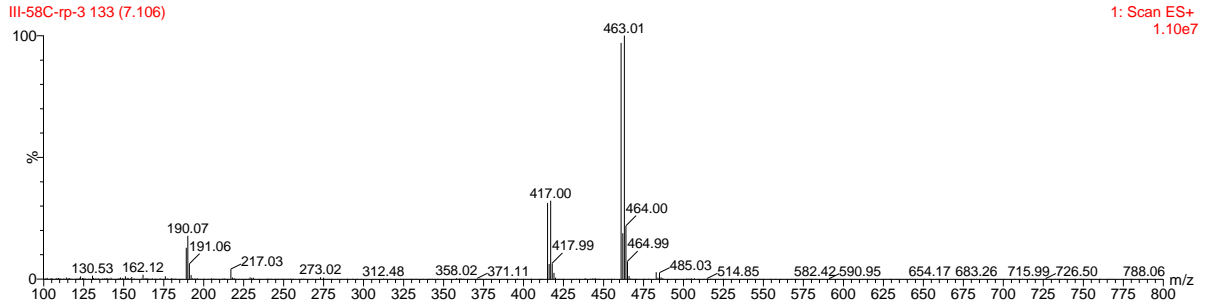
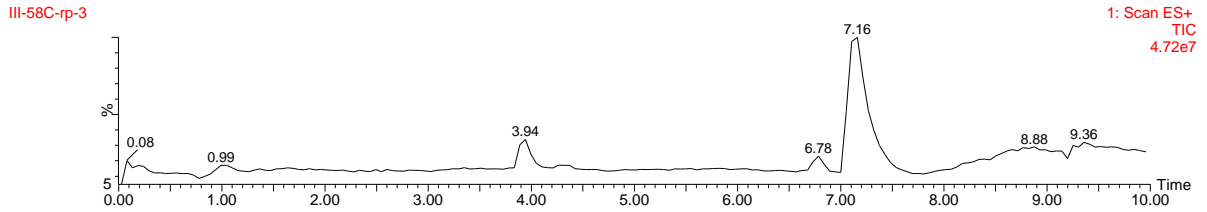
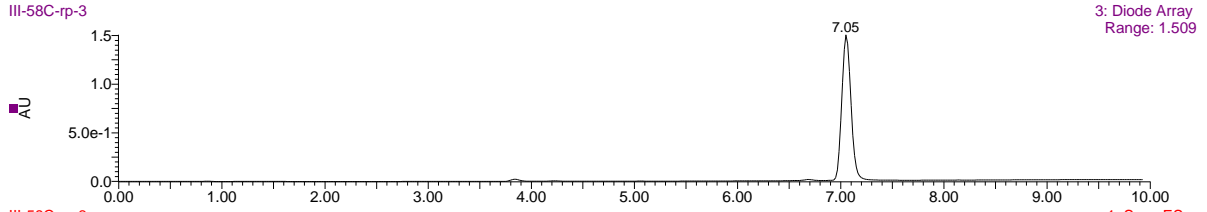


7g

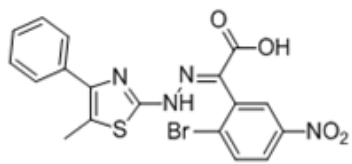




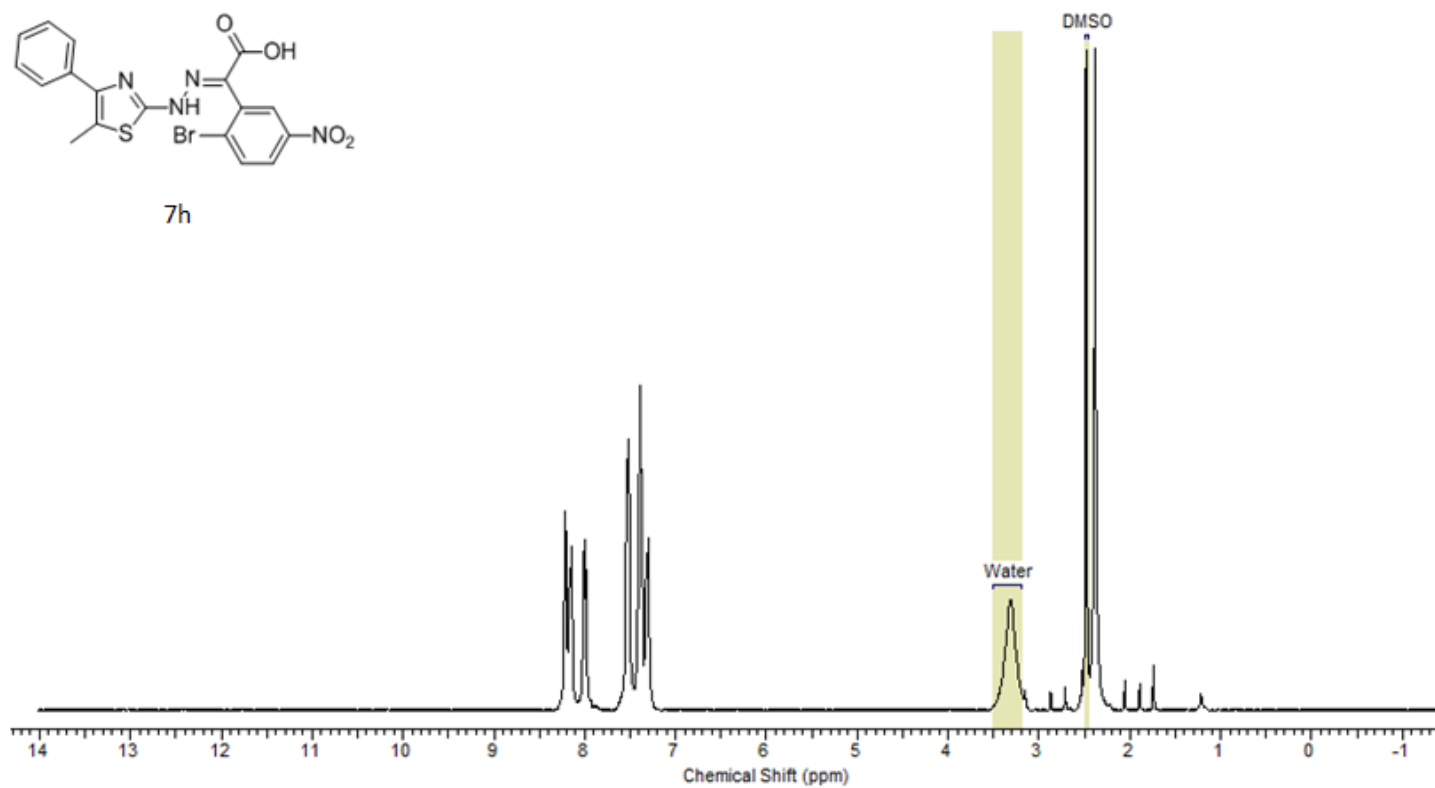
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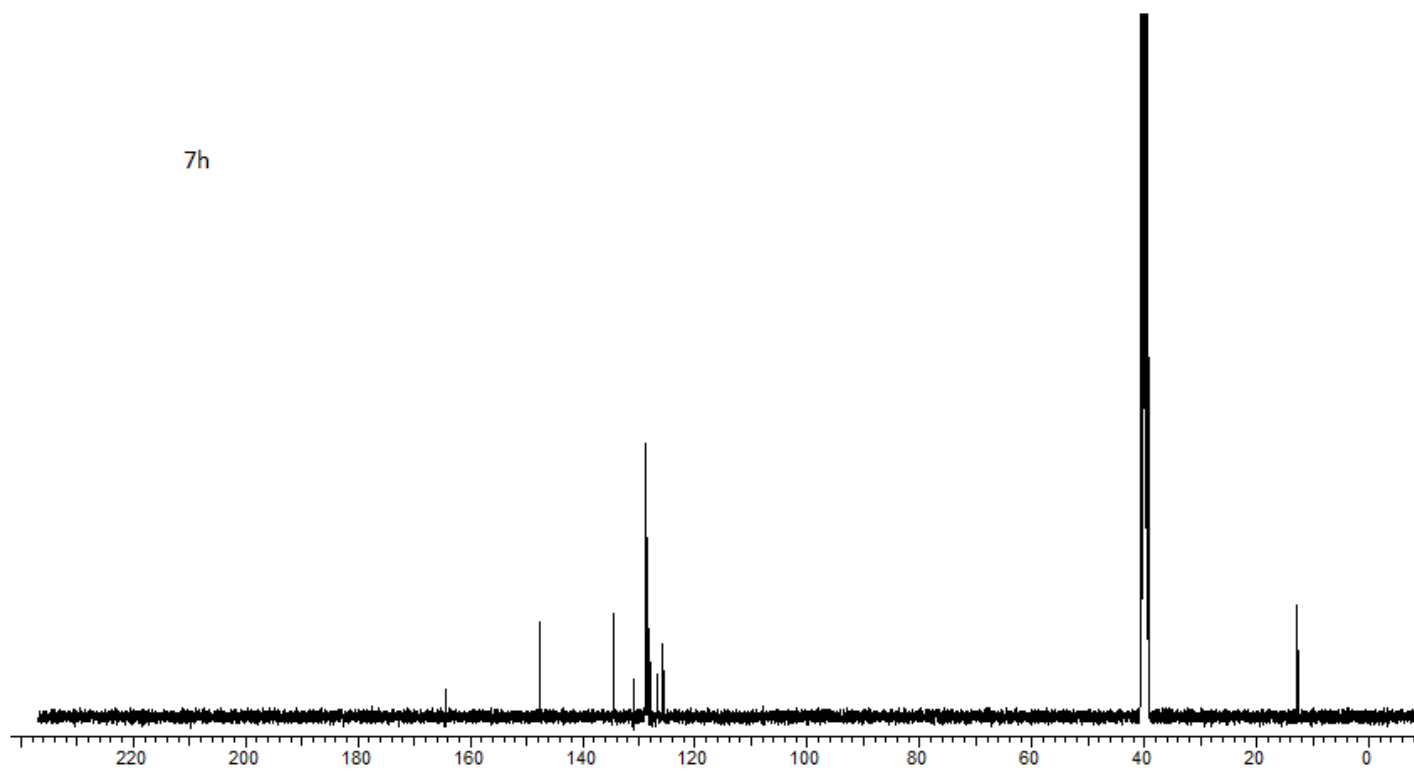
	Retention Time	% Area
1	15.432	100.00



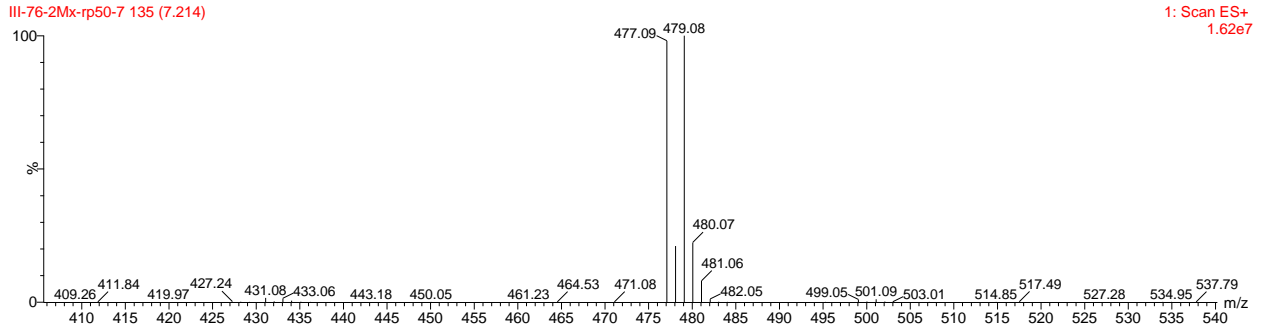
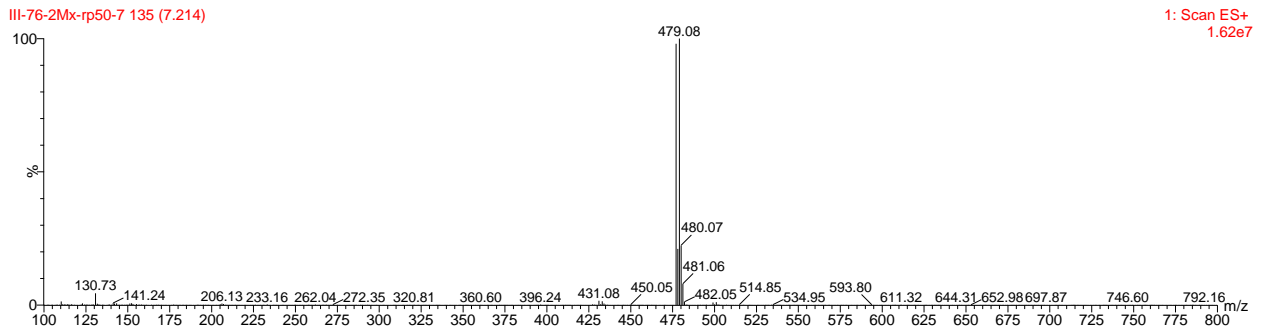
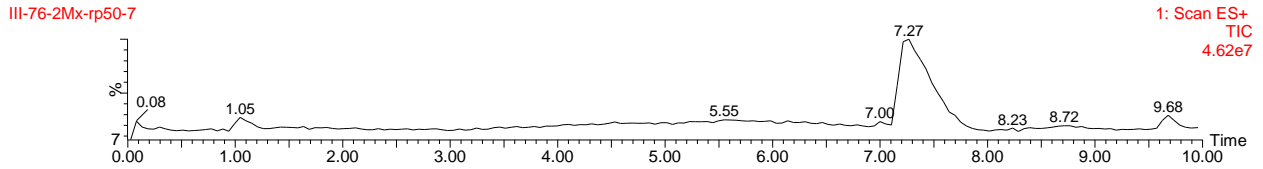
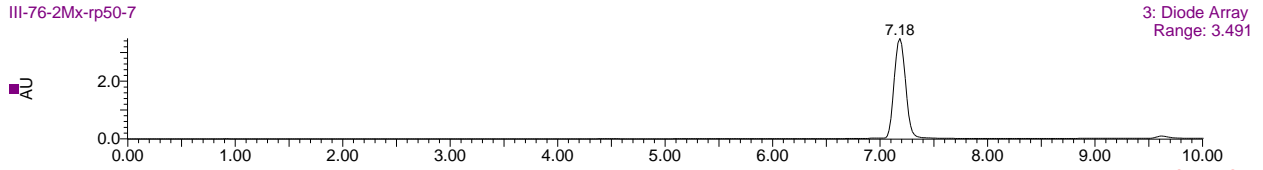
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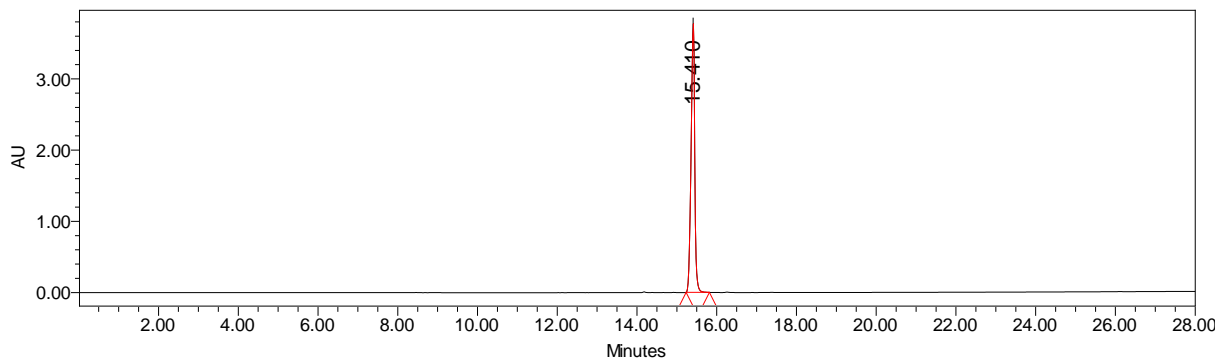


7h

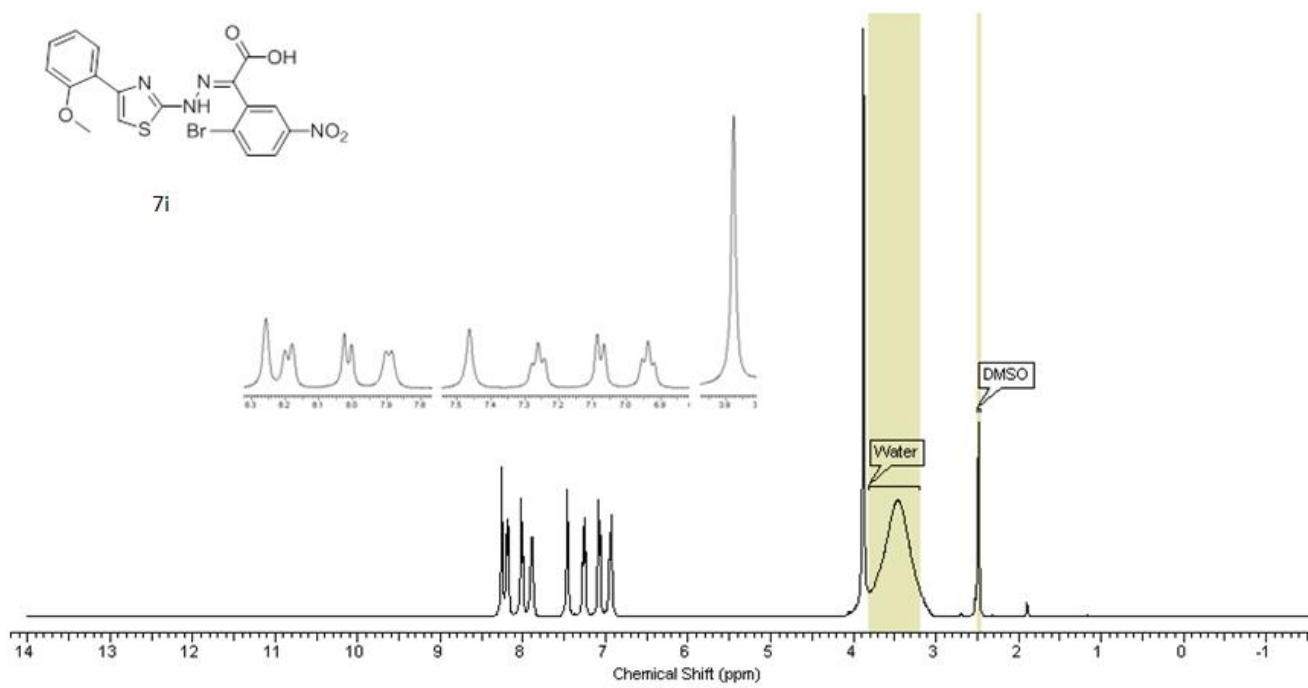


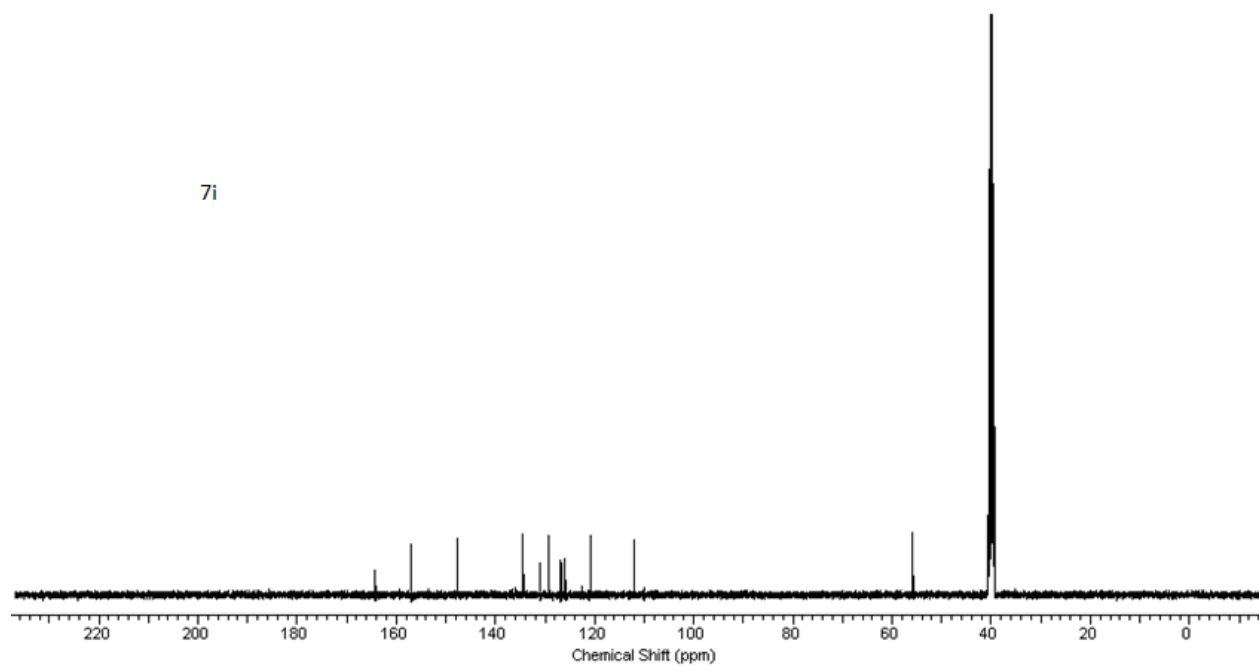
7i





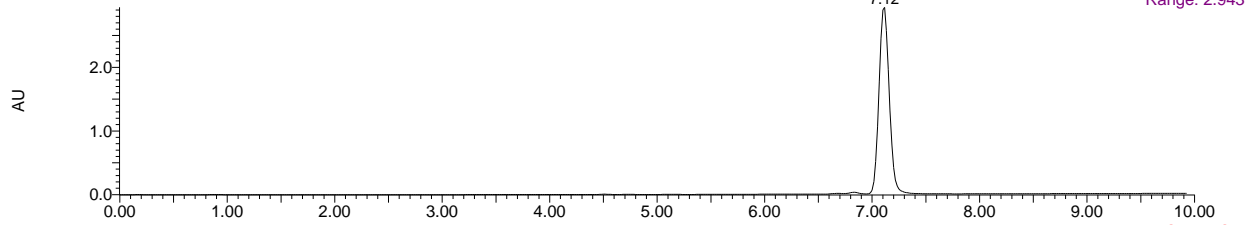
	Retention Time	% Area
1	15.410	100.00



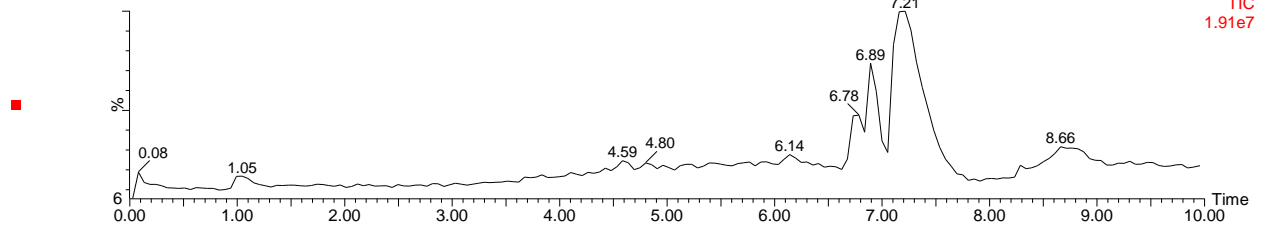


7j

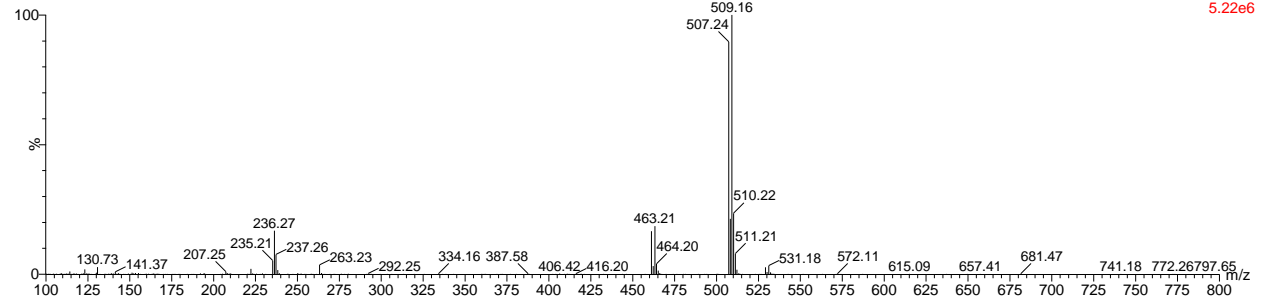
III-78-14



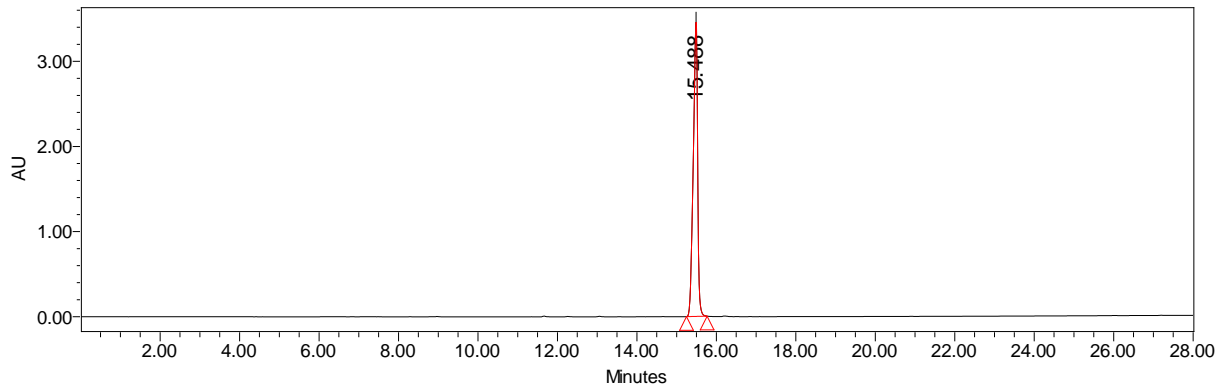
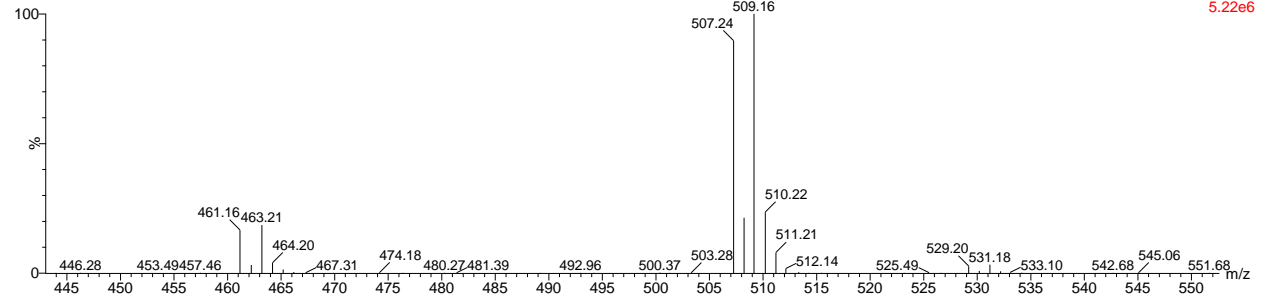
III-78-14



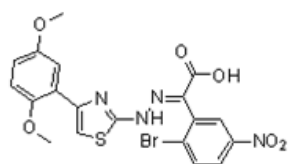
III-78-14 134 (7.160)



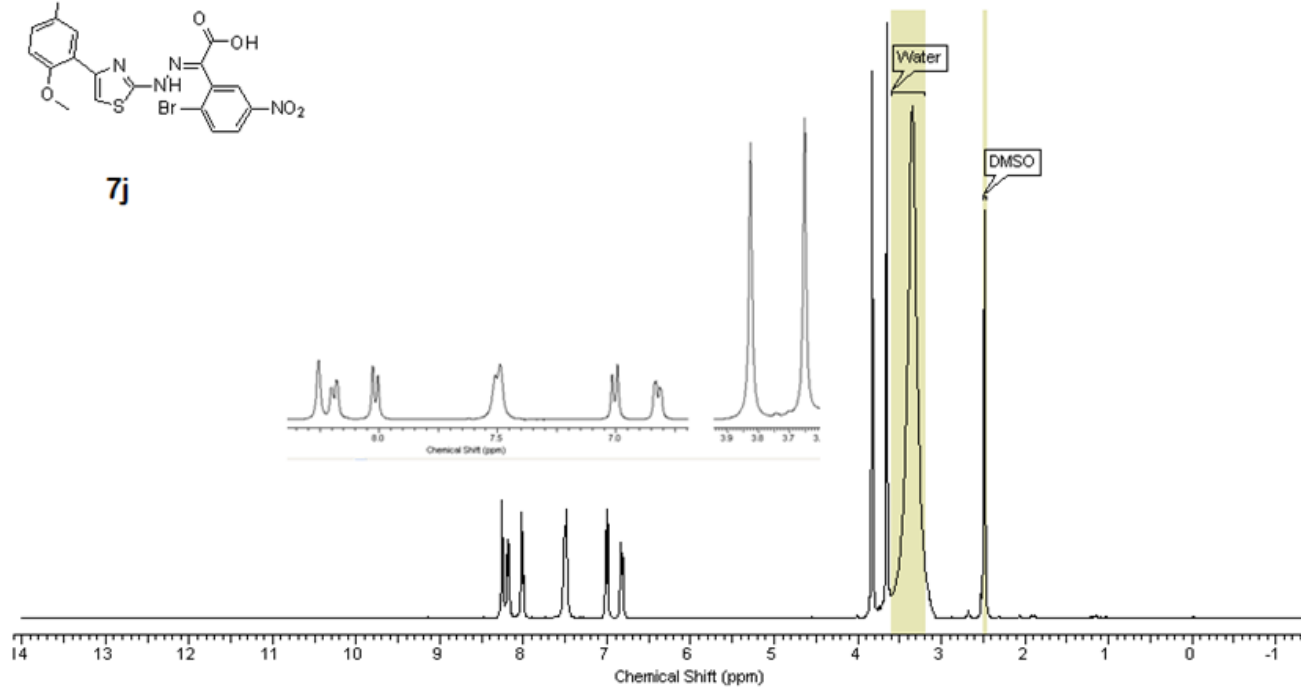
III-78-14 134 (7.160)



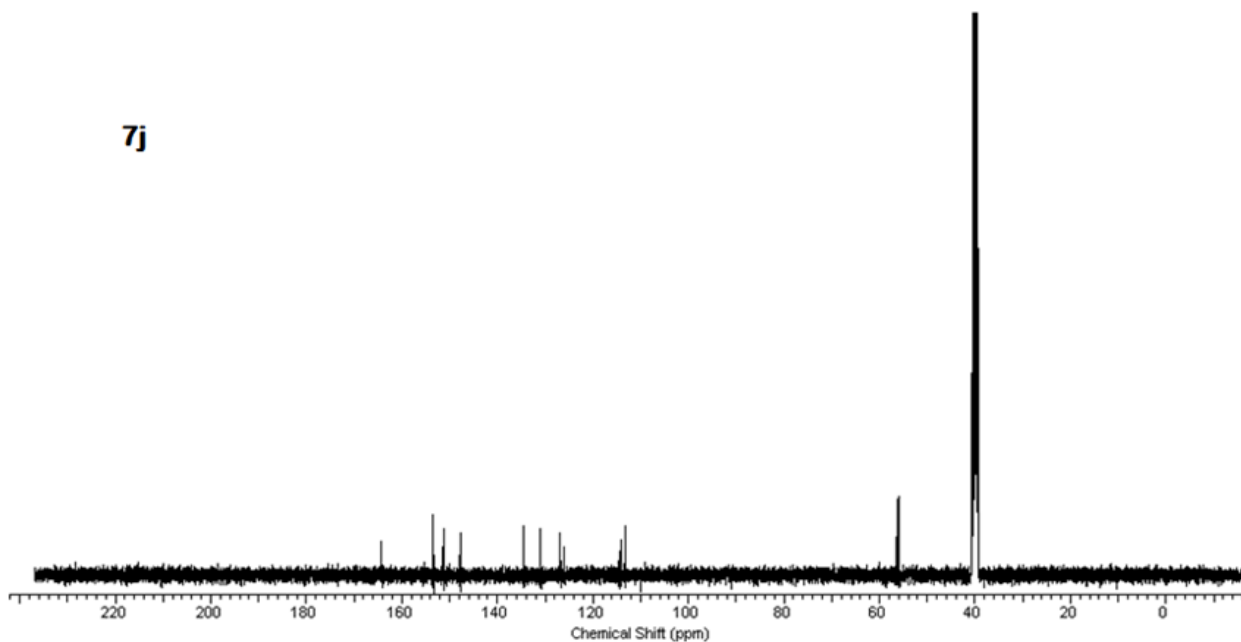
	Retention Time	% Area
1	15.488	100.00



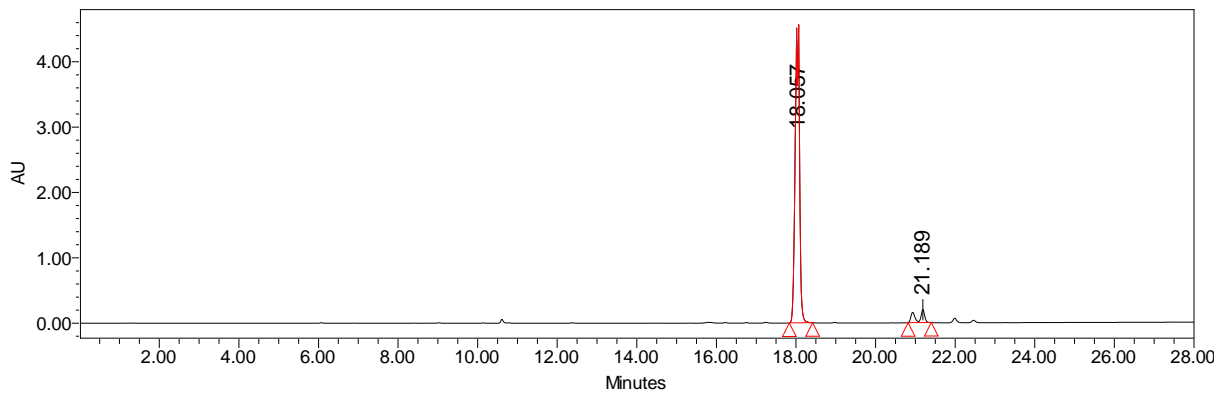
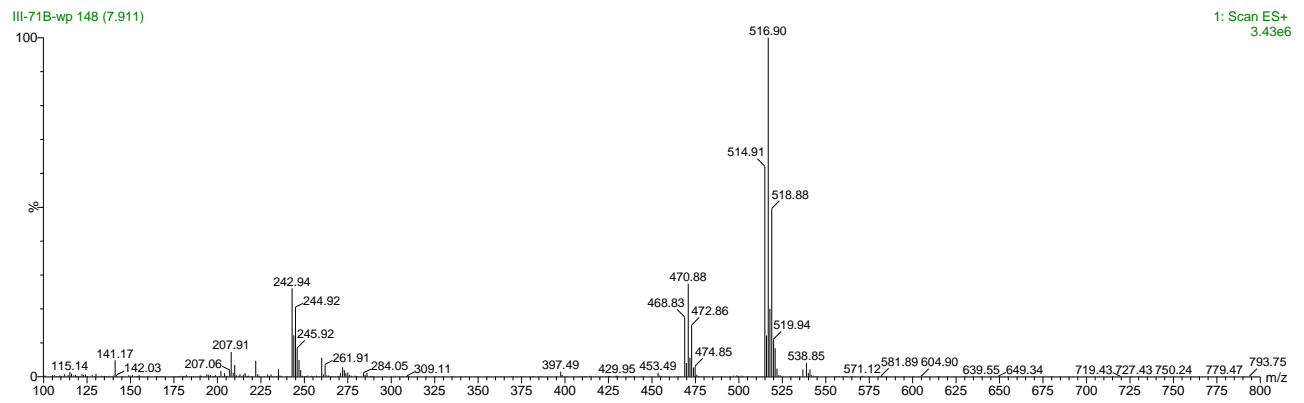
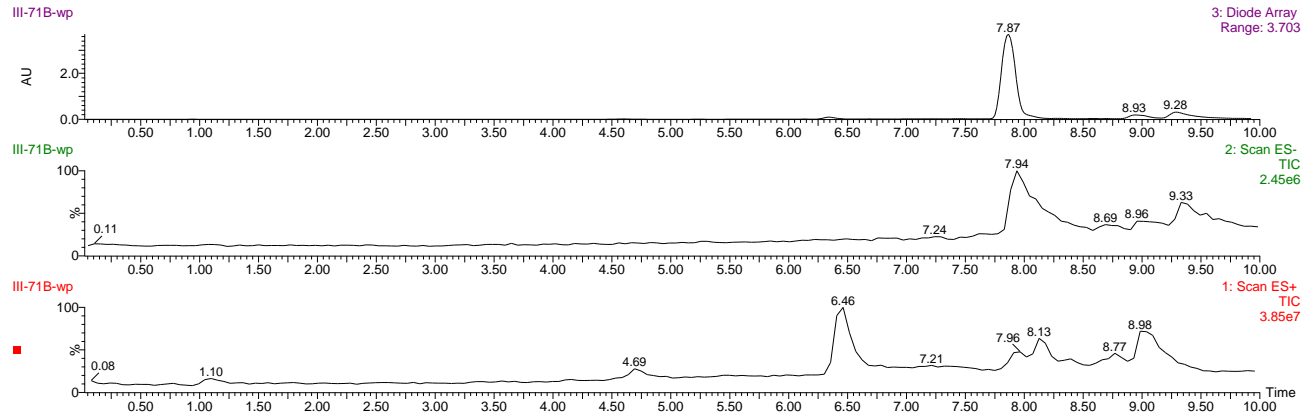
7j



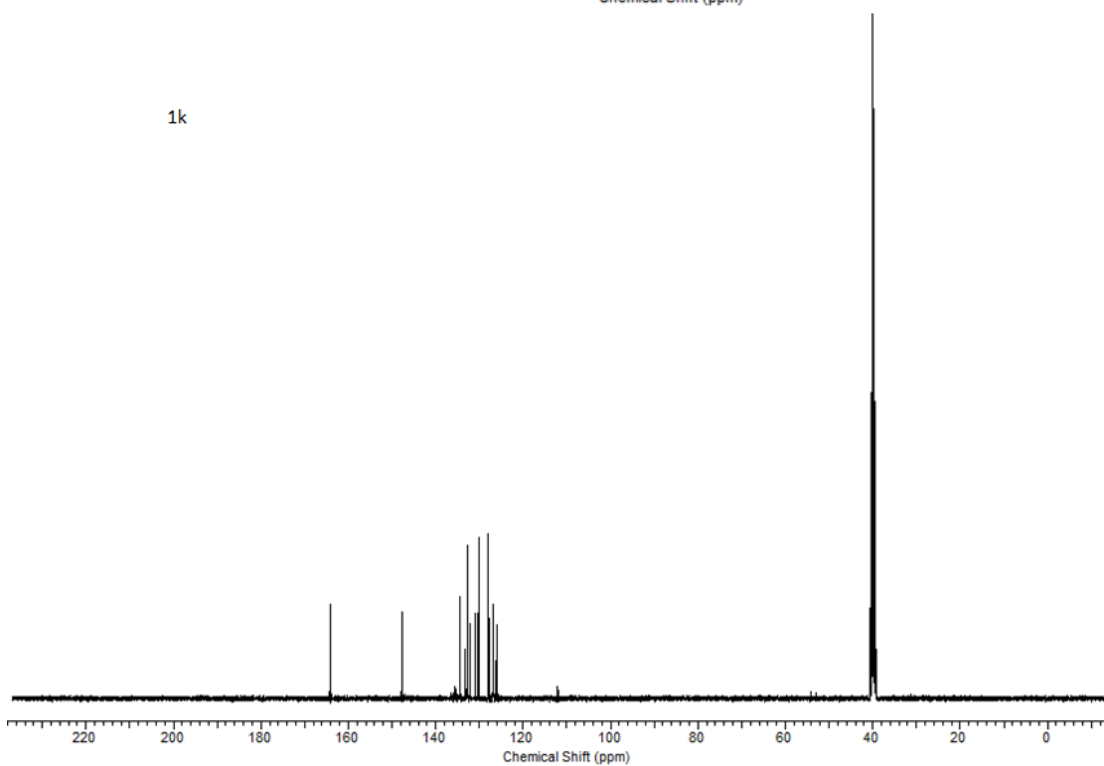
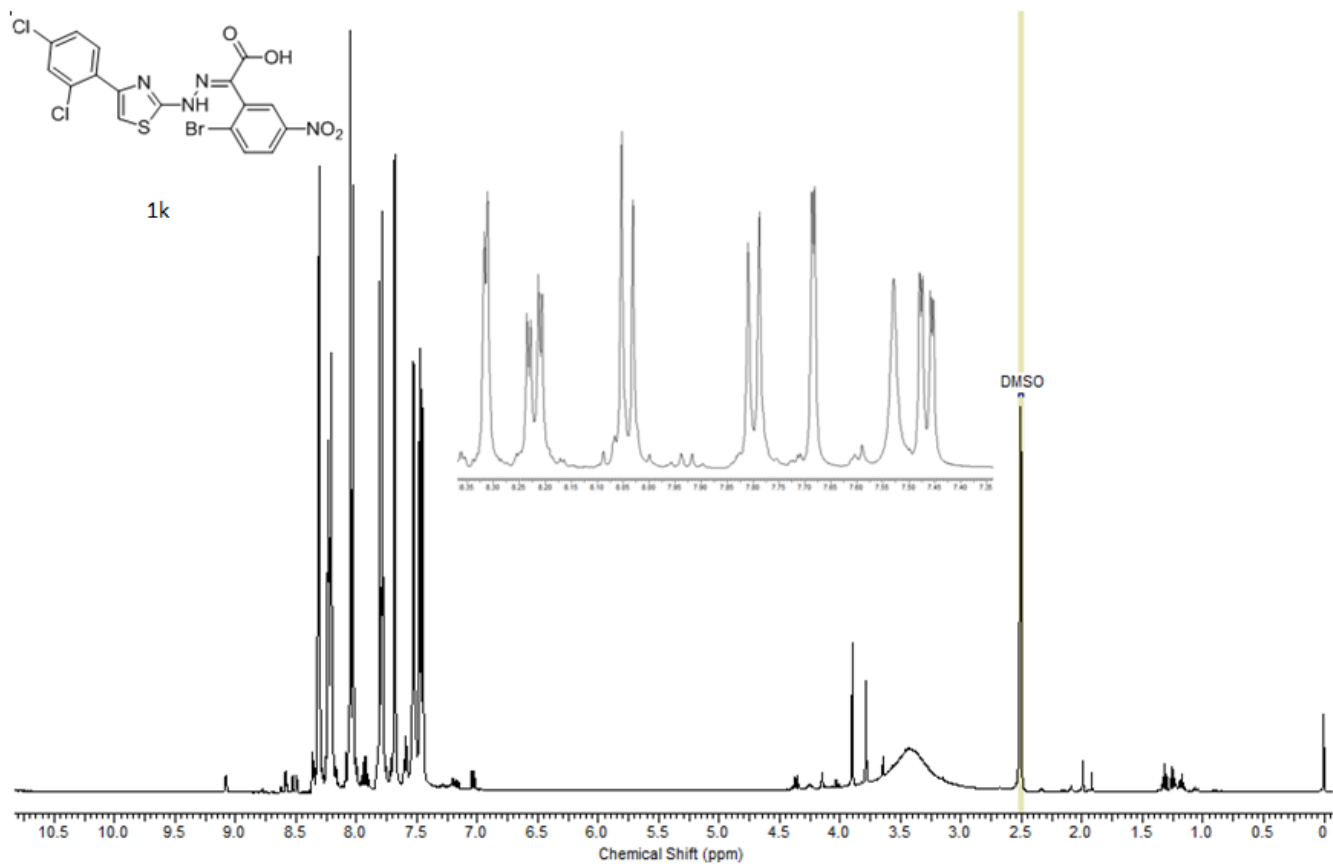
7j

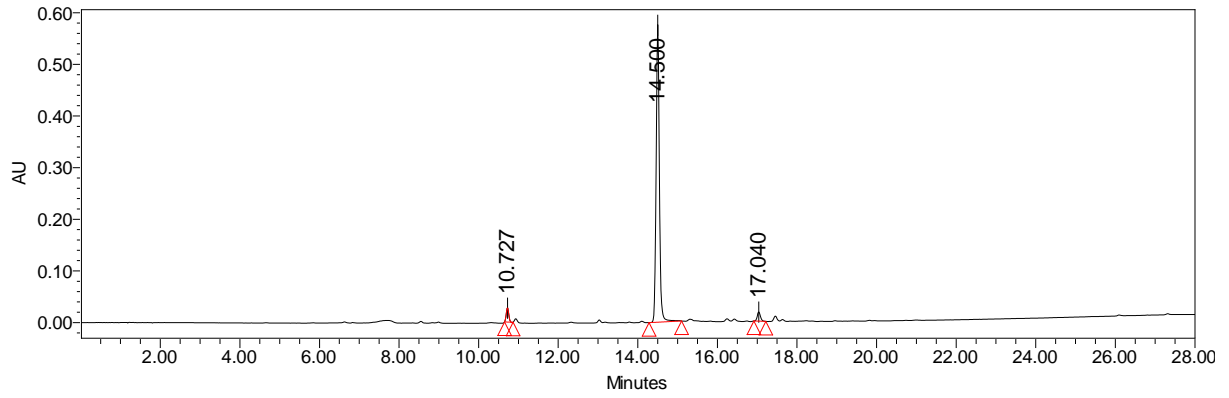
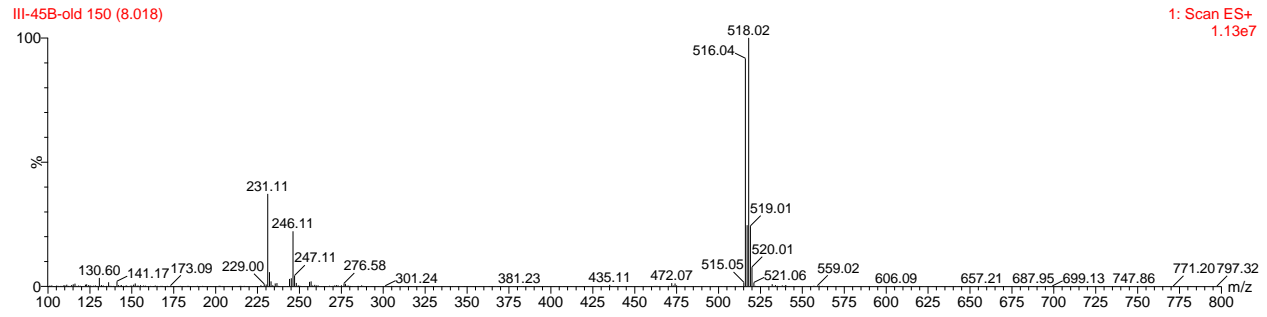
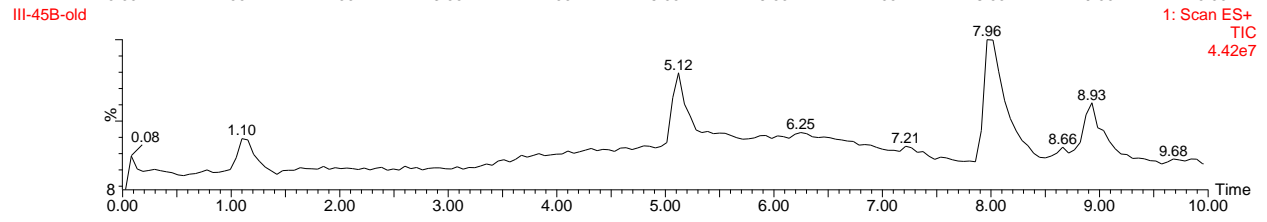
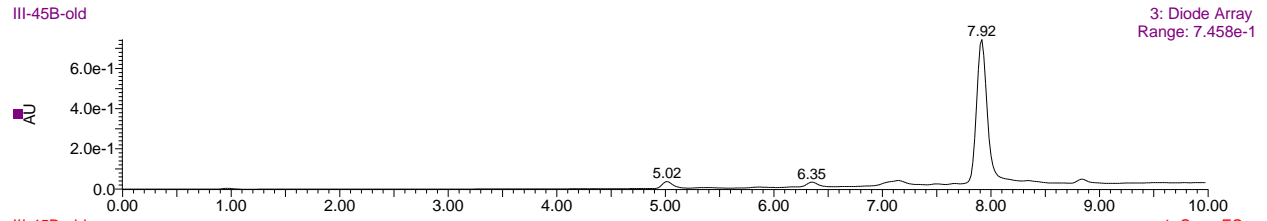


7k



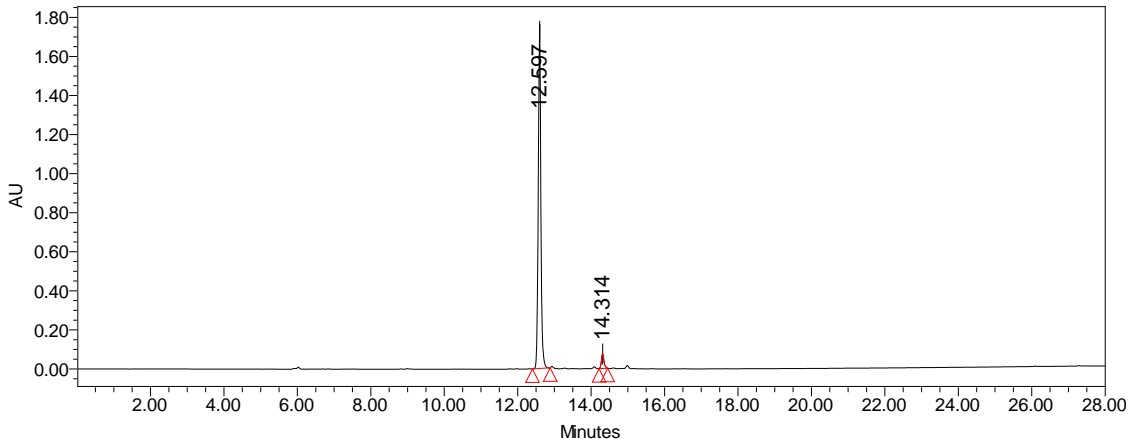
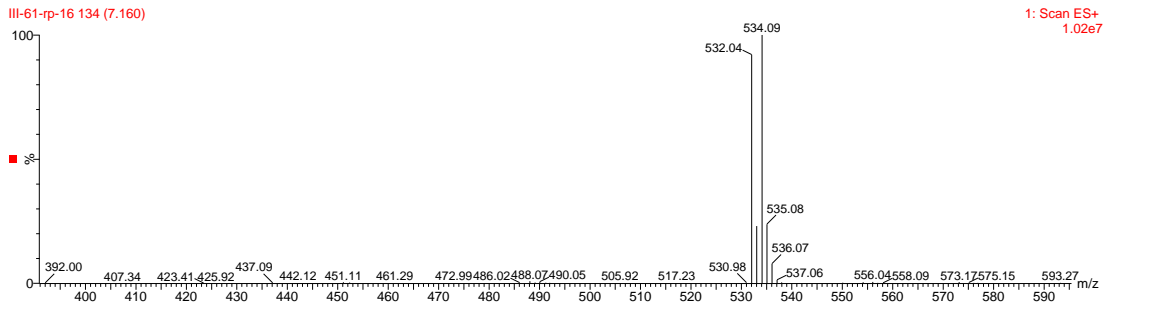
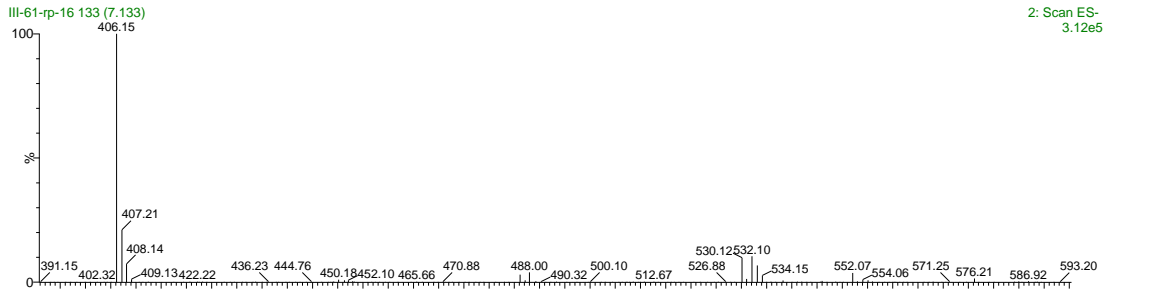
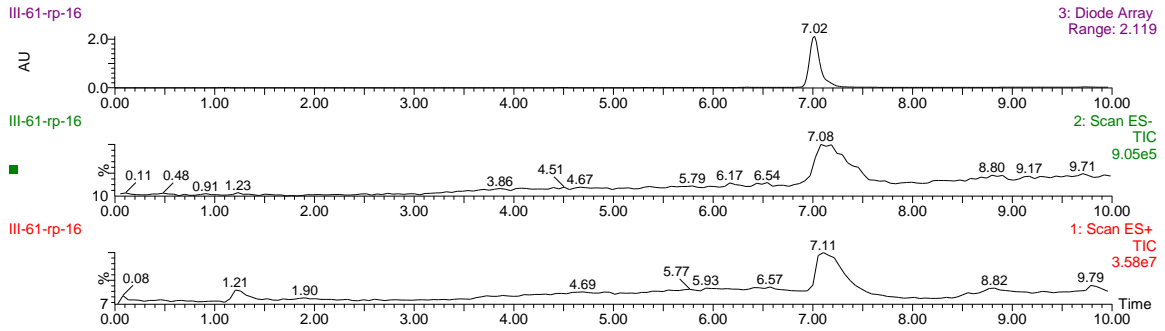
	Retention Time	% Area
1	18.057	93.65
2	21.189	6.35



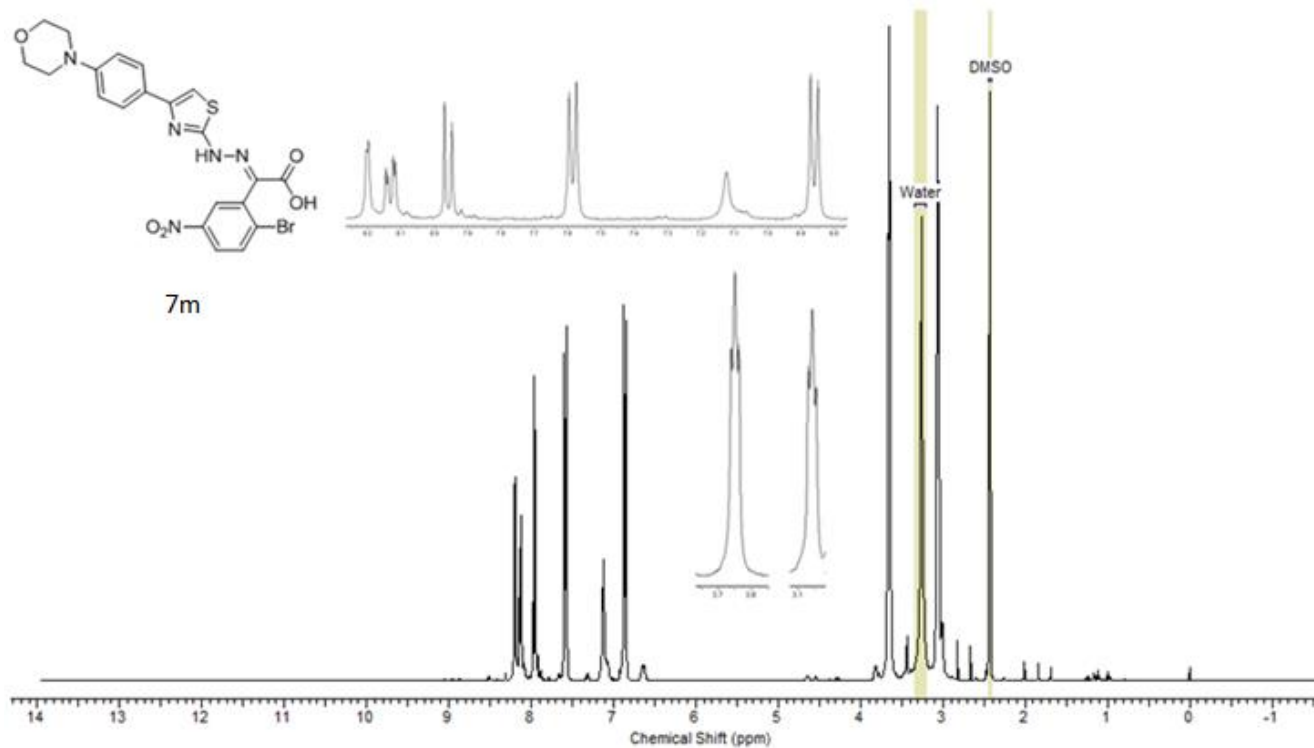


	Retention Time	% Area
1	10.727	3.57
2	14.500	93.49
3	17.040	2.93

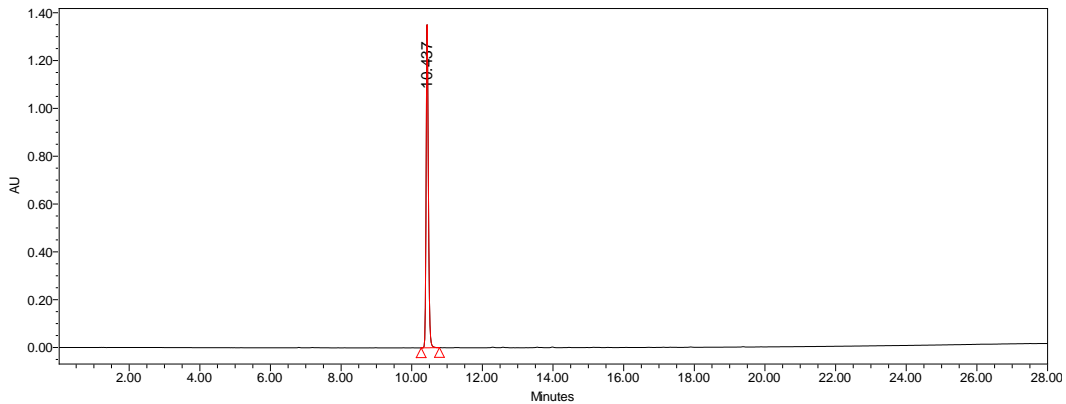
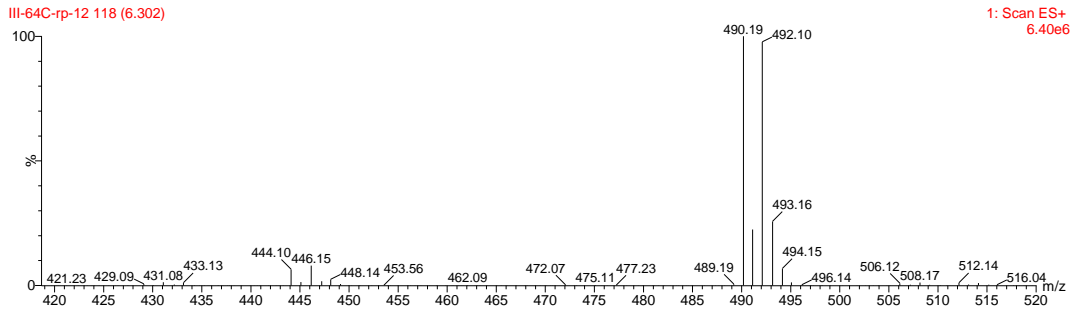
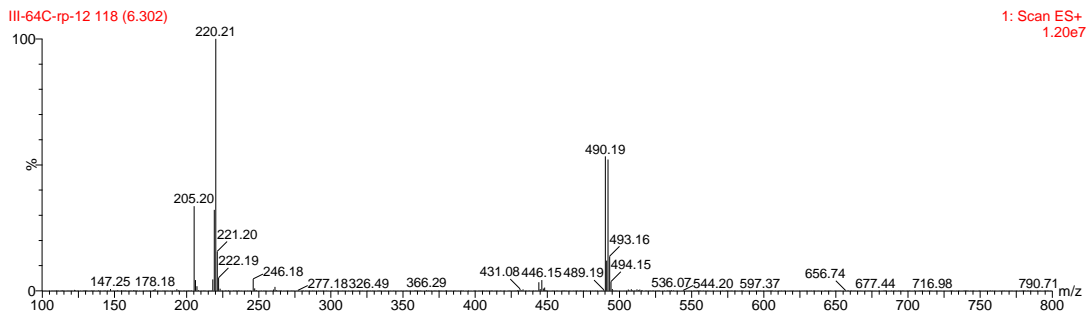
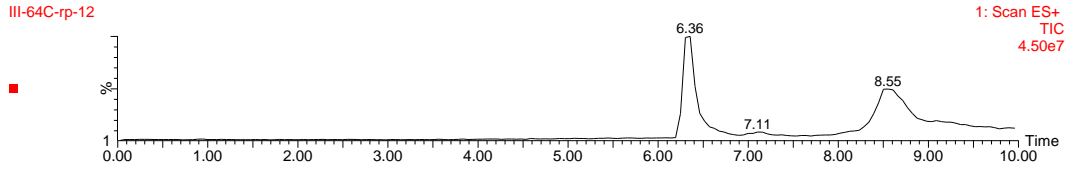
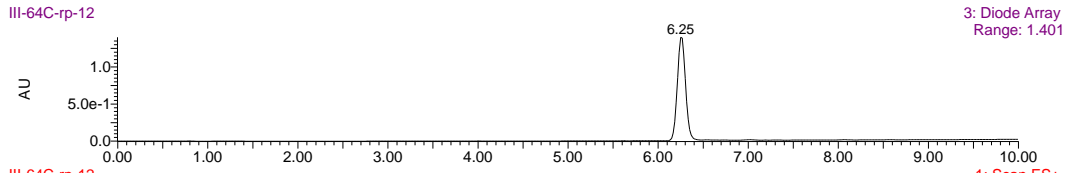
7m



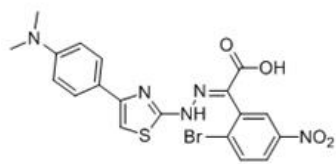
	Retention Time	% Area
1	12.597	95.94
2	14.314	4.06



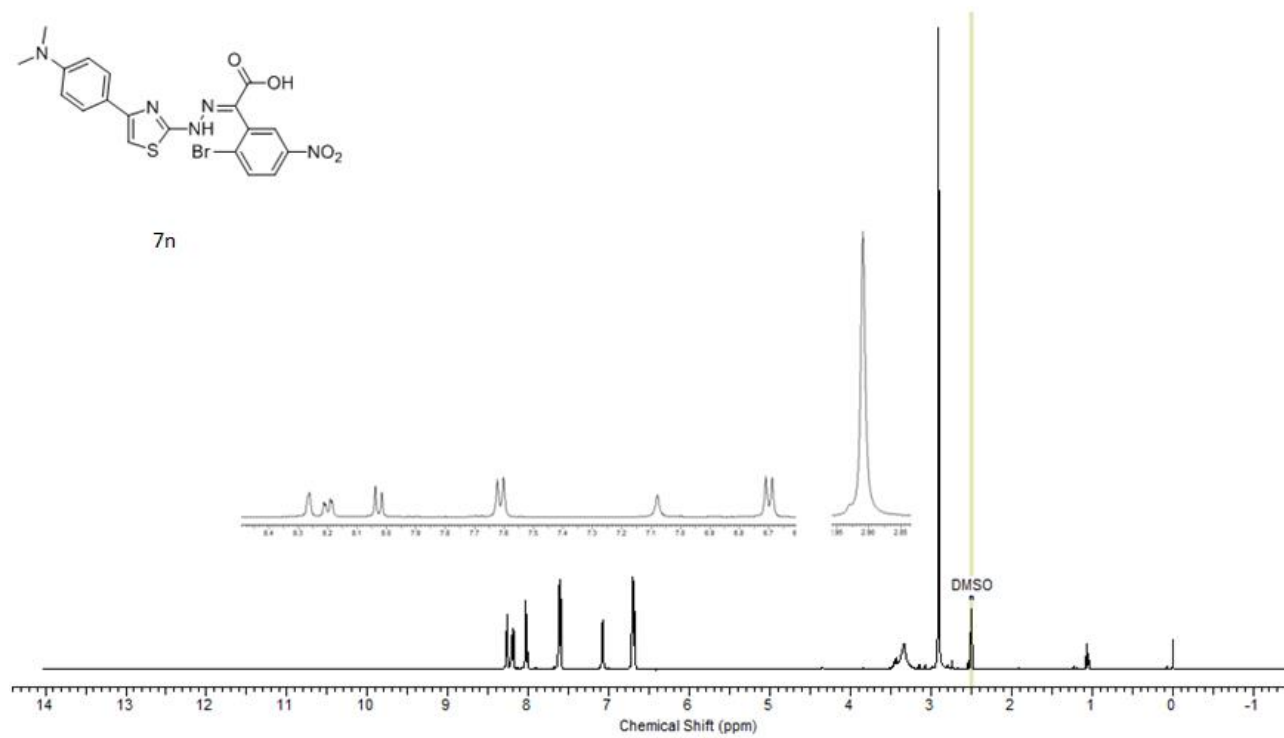
7n



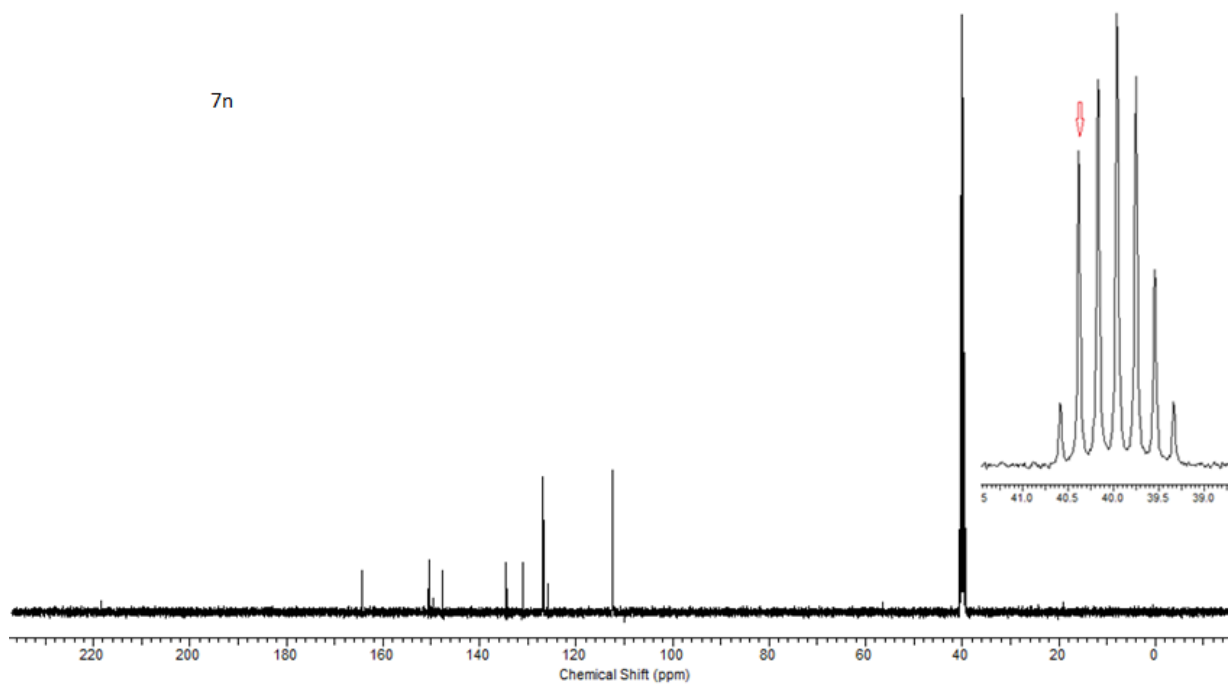
	Retention Time	% Area
1	10.437	100.00



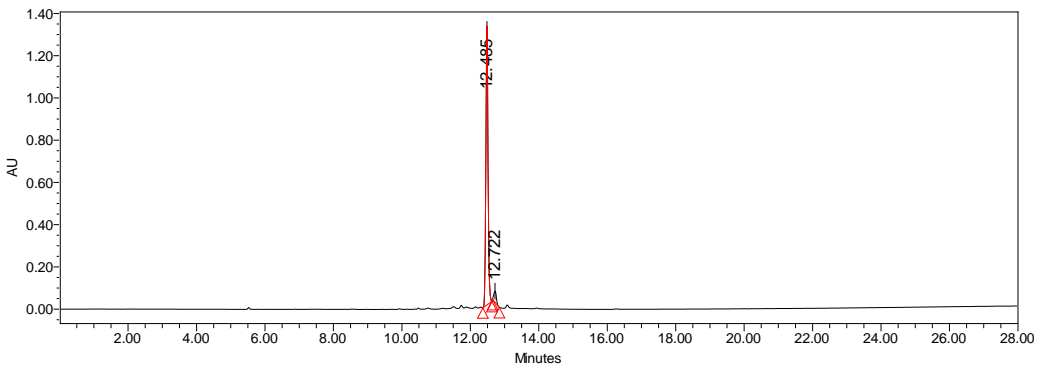
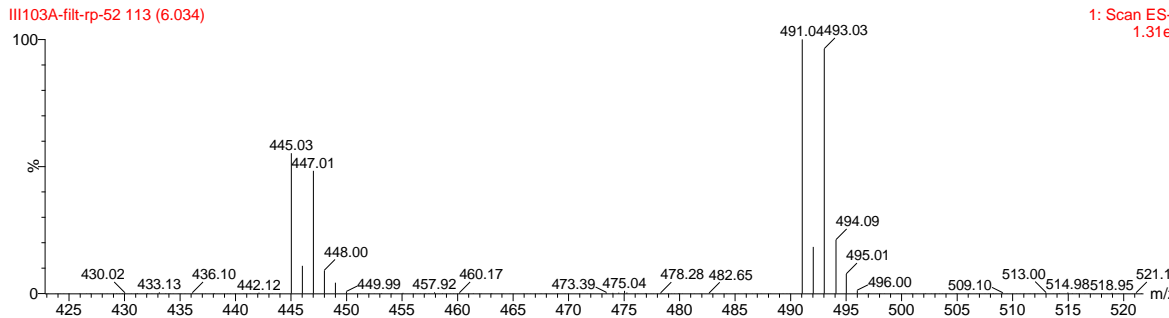
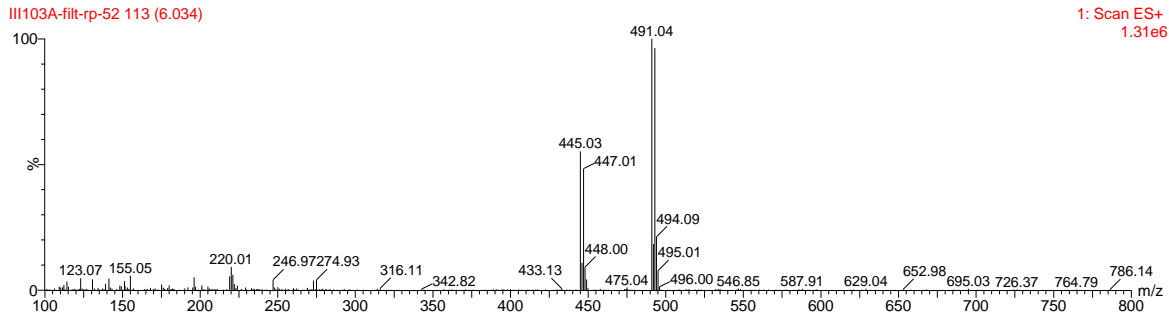
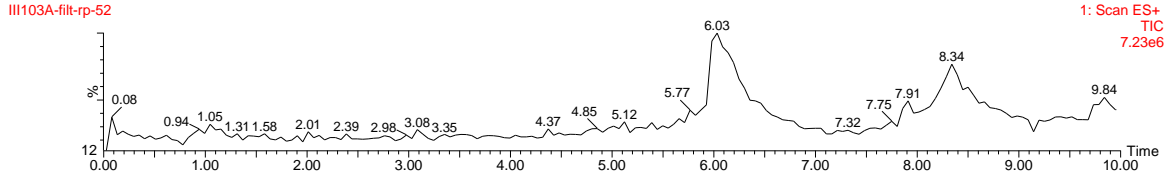
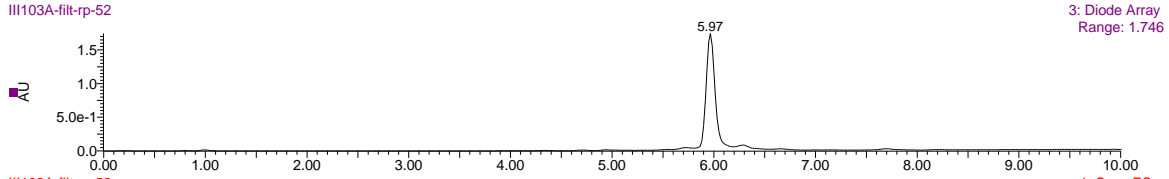
7n



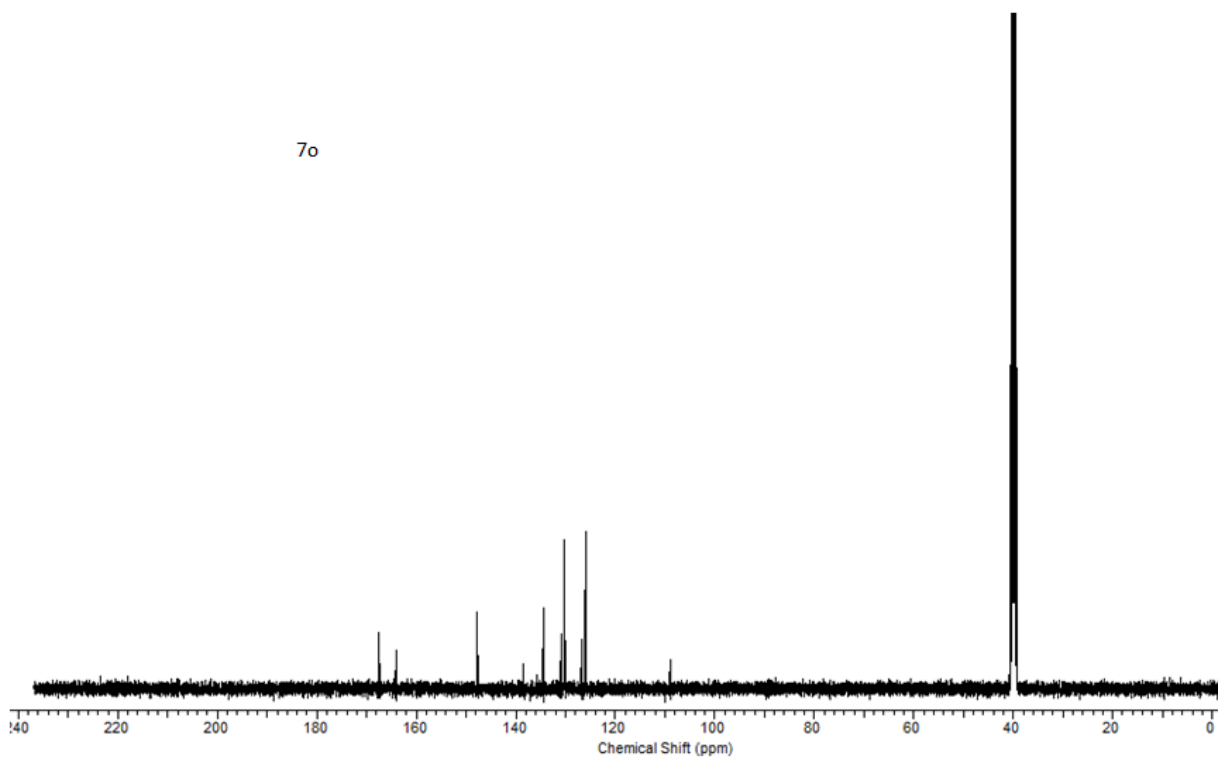
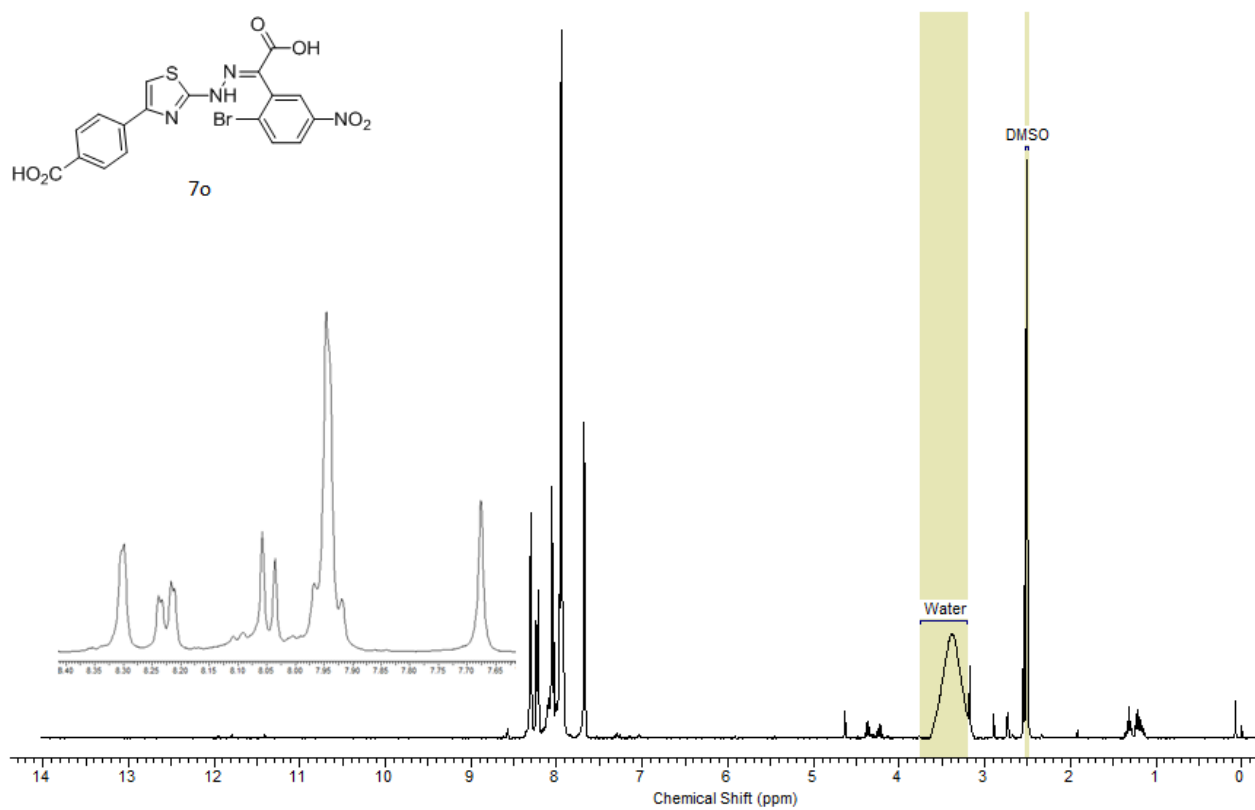
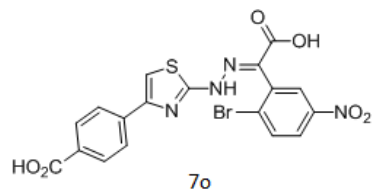
7n



7o



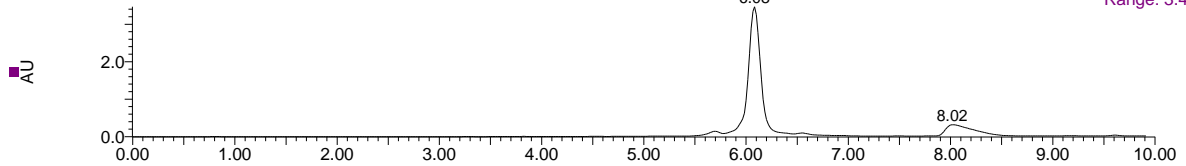
	Retention Time	% Area
1	12.485	95.47
2	12.722	4.53



7p

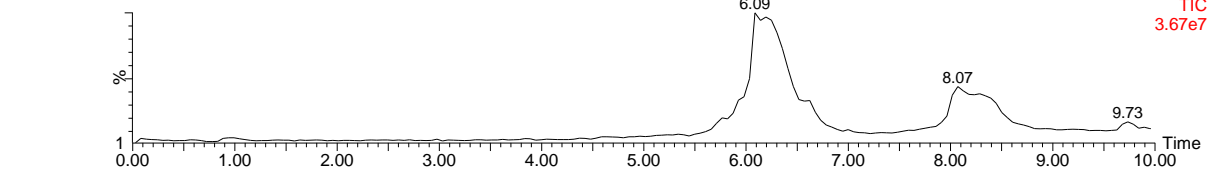
III-109-precip

3: Diode Array
Range: 3.468



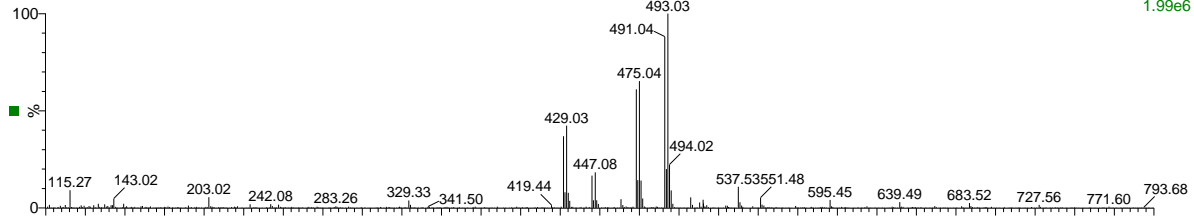
III-109-precip

1: Scan ES+
TIC
3.67e7



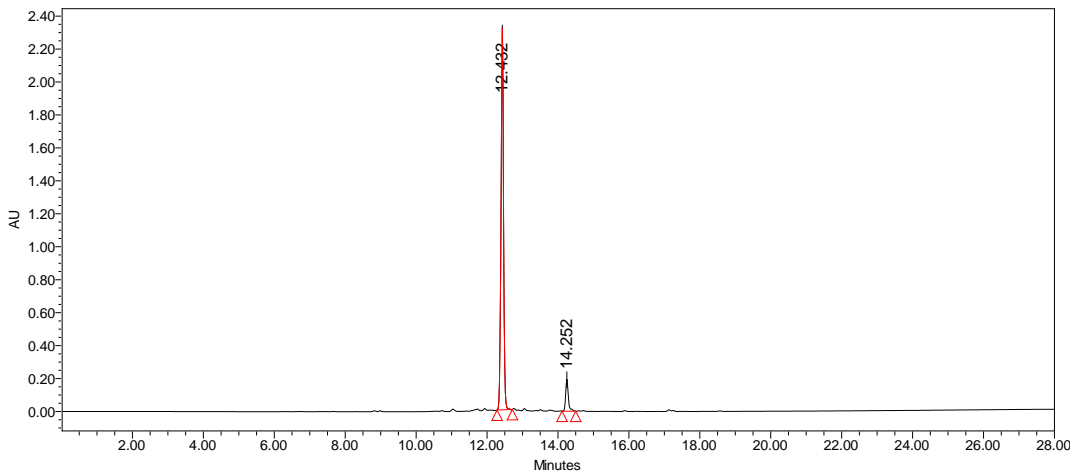
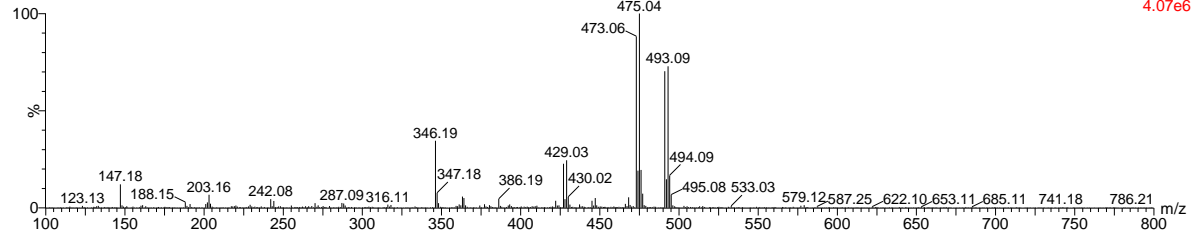
III-109-precip 152 (8.125)

1: Scan ES+
1.99e6

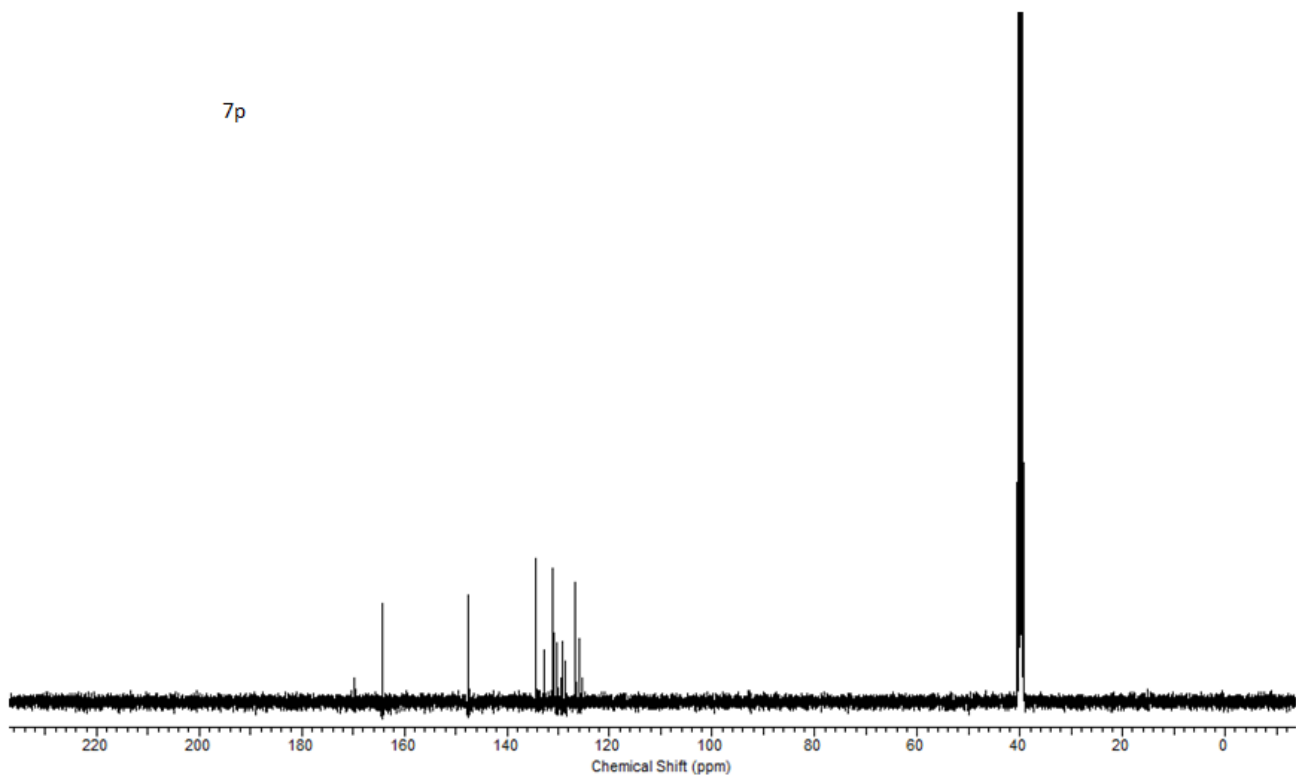
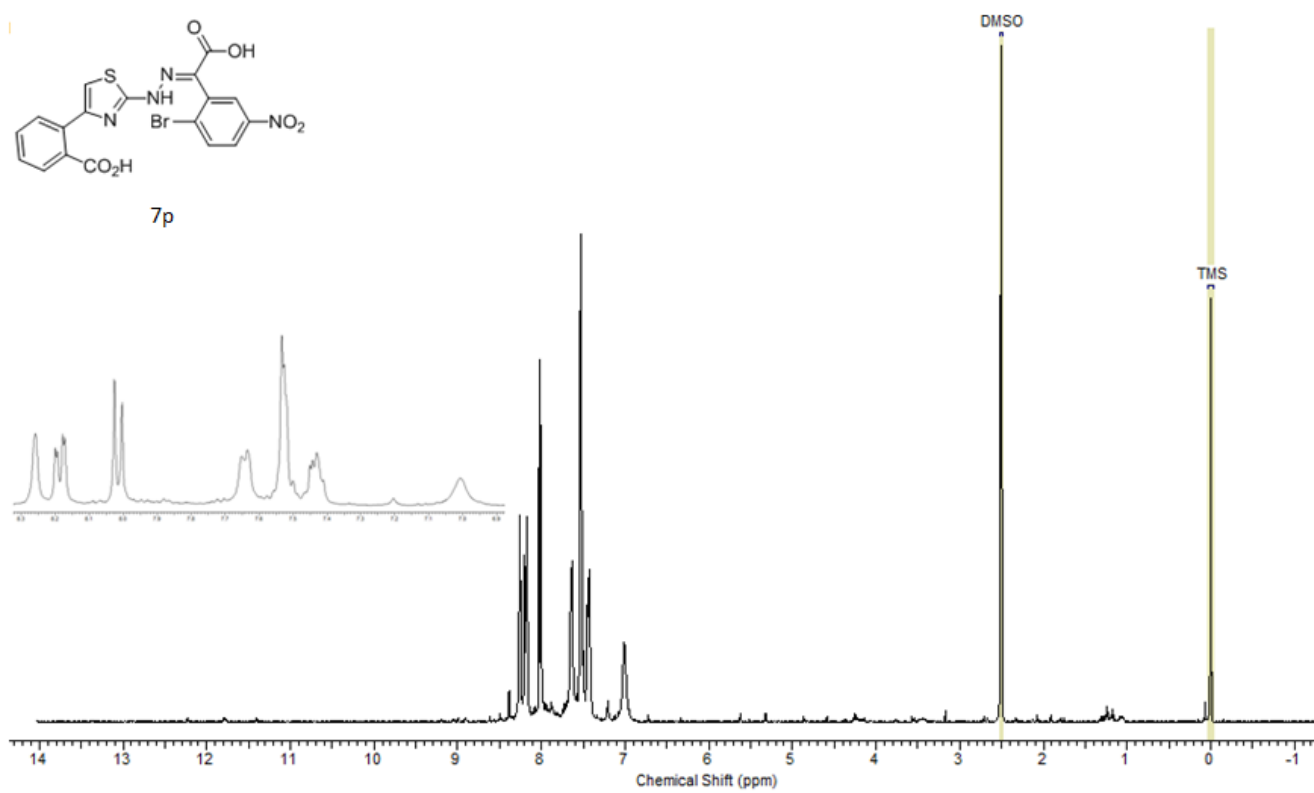
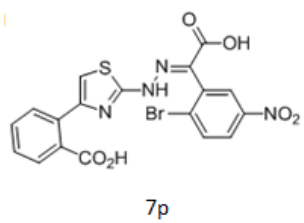


III-109-precip 118 (6.302)

1: Scan ES+
4.07e6



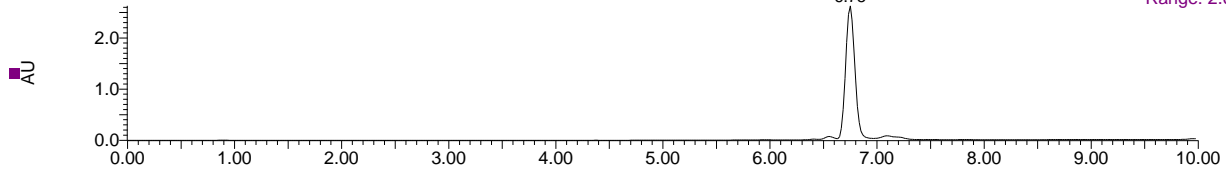
	Retention Time	% Area
1	12.432	91.84
2	14.252	8.16



7q

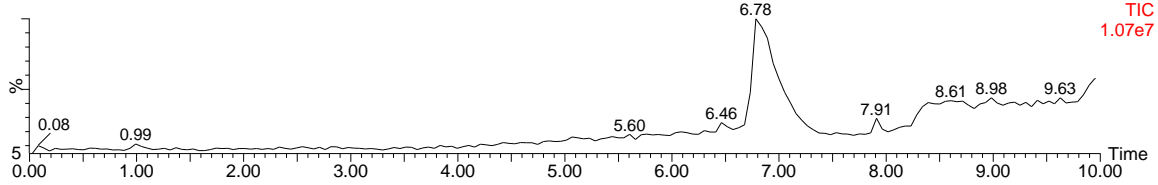
III-99BfromIII98A-filt-rp-35

3: Diode Array
Range: 2.629



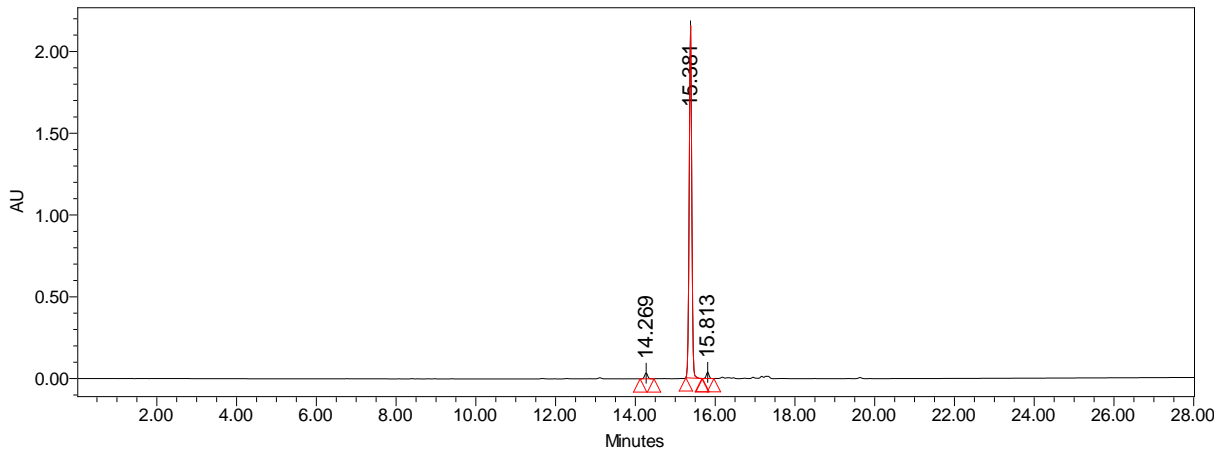
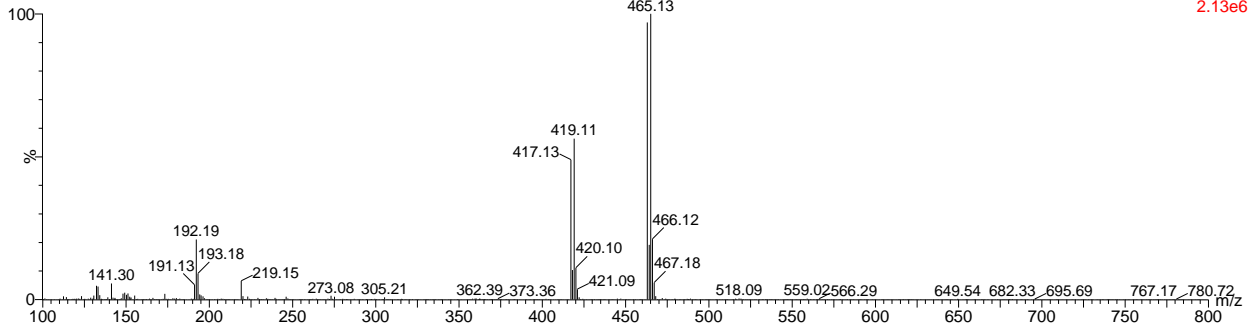
III-99BfromIII98A-filt-rp-35

1: Scan ES+
TIC
1.07e7

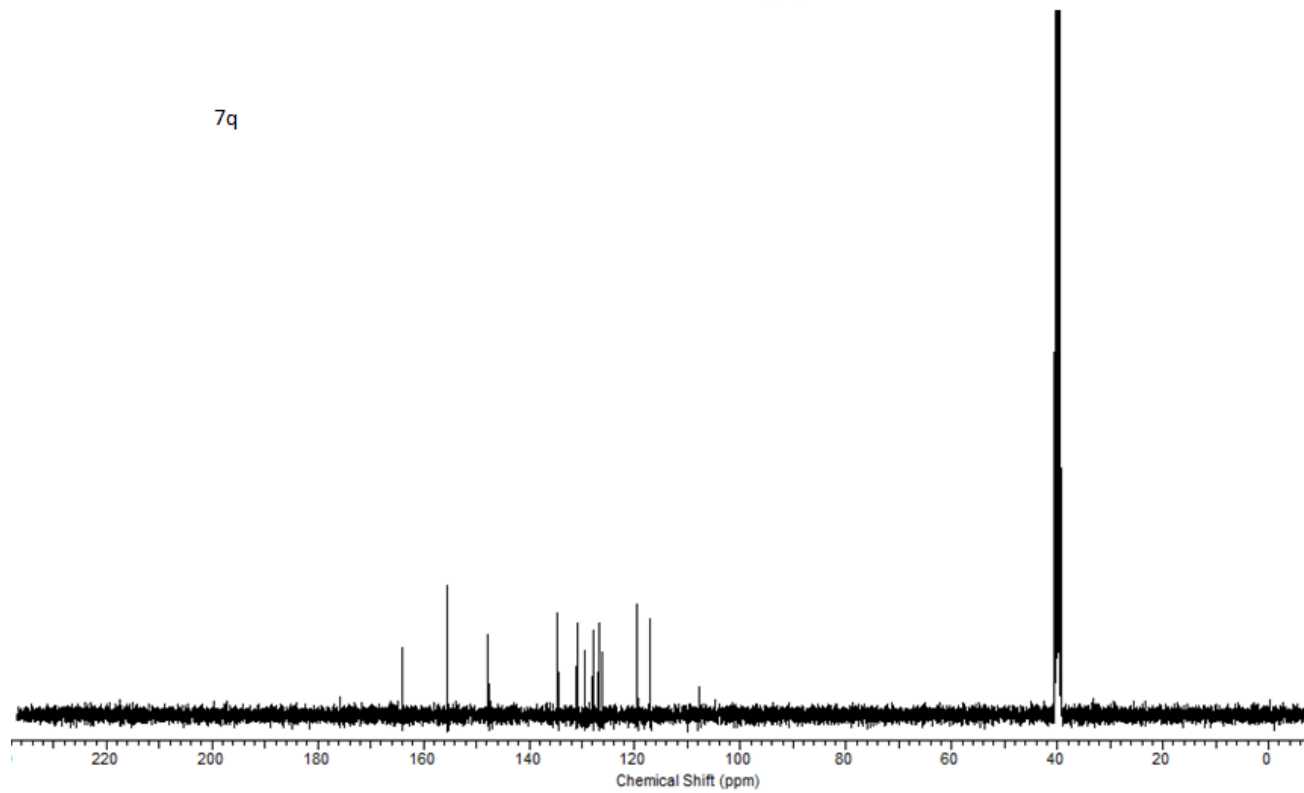
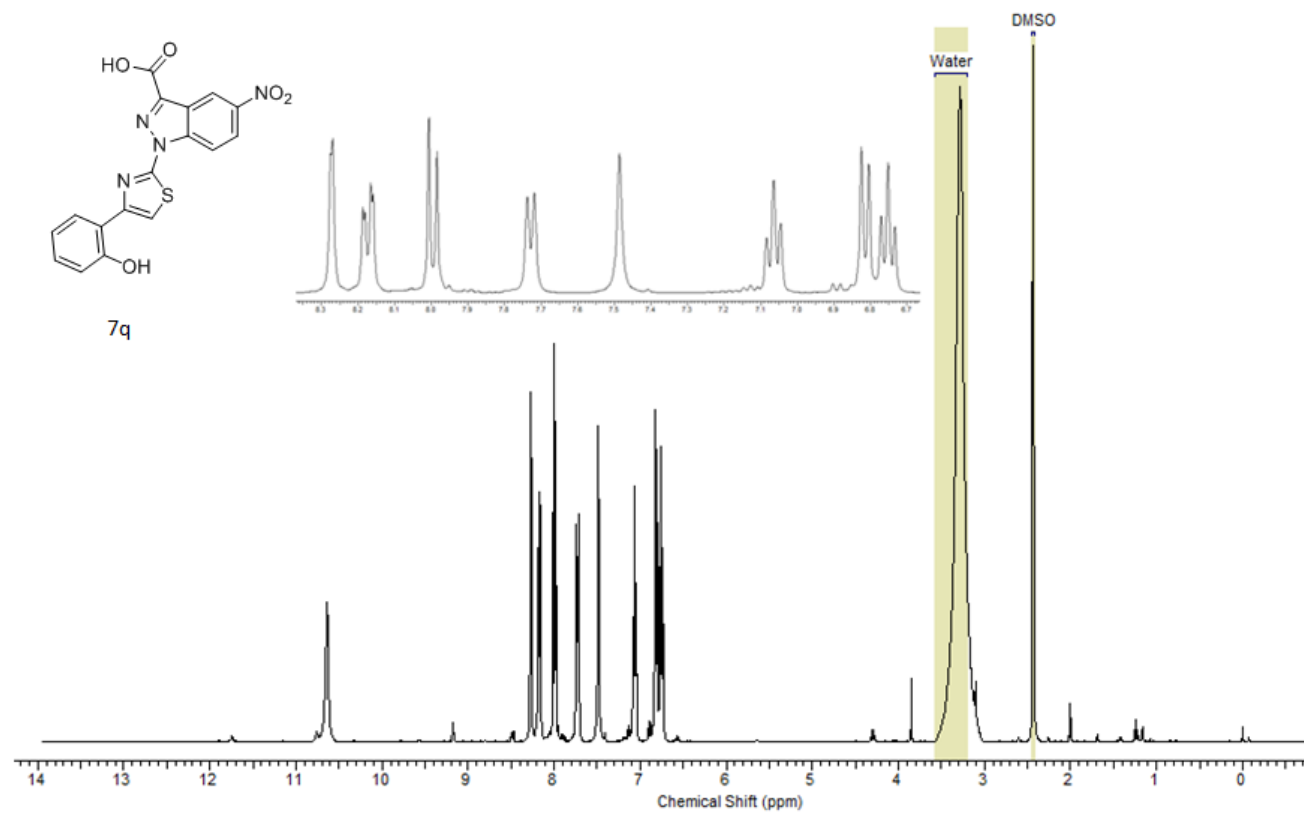


III-99BfromIII98A-filt-rp-35 127 (6.784)

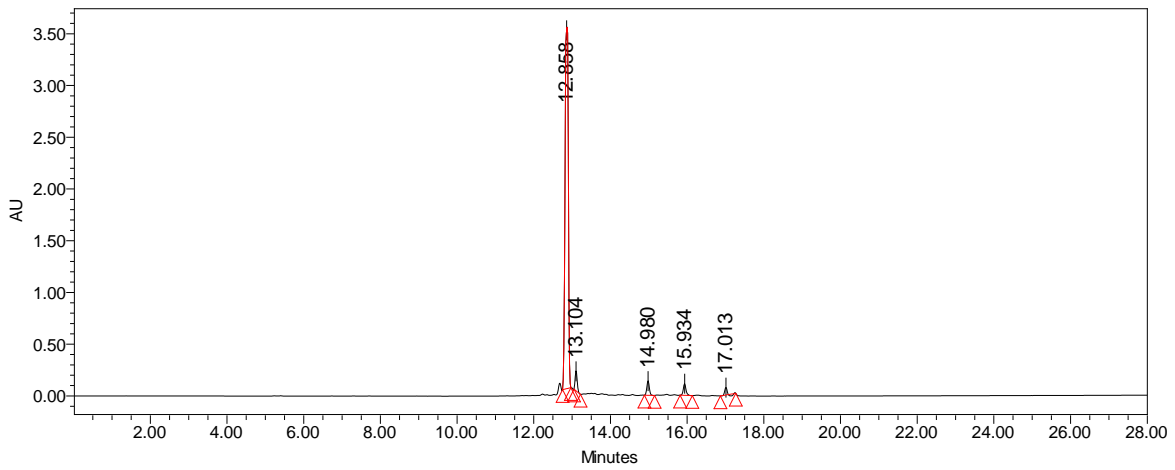
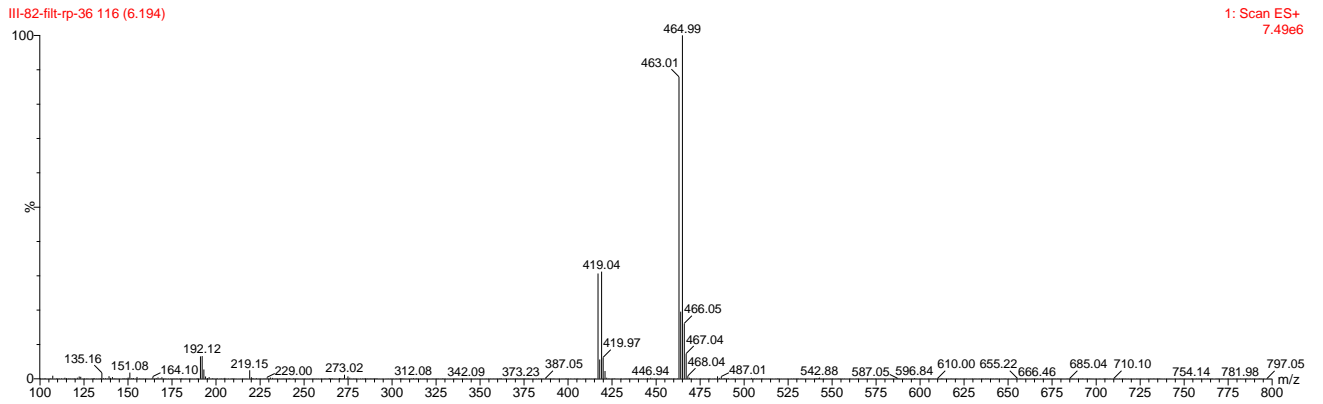
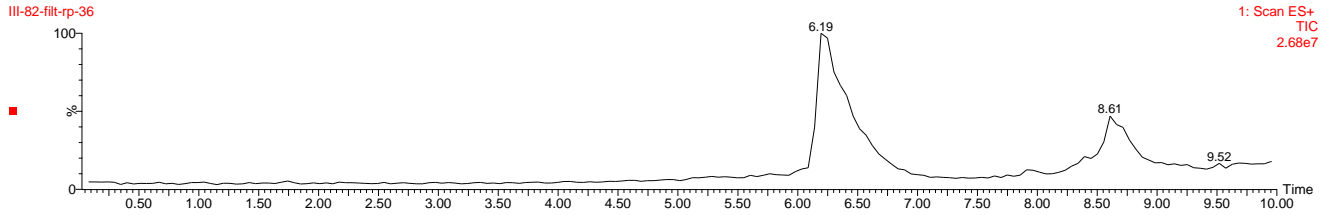
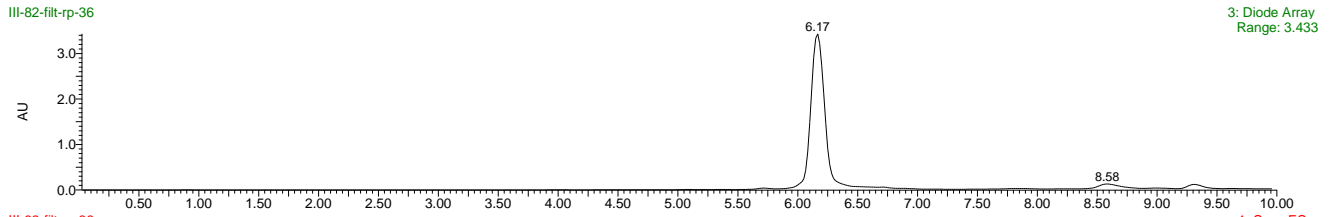
1: Scan ES+
2.13e6



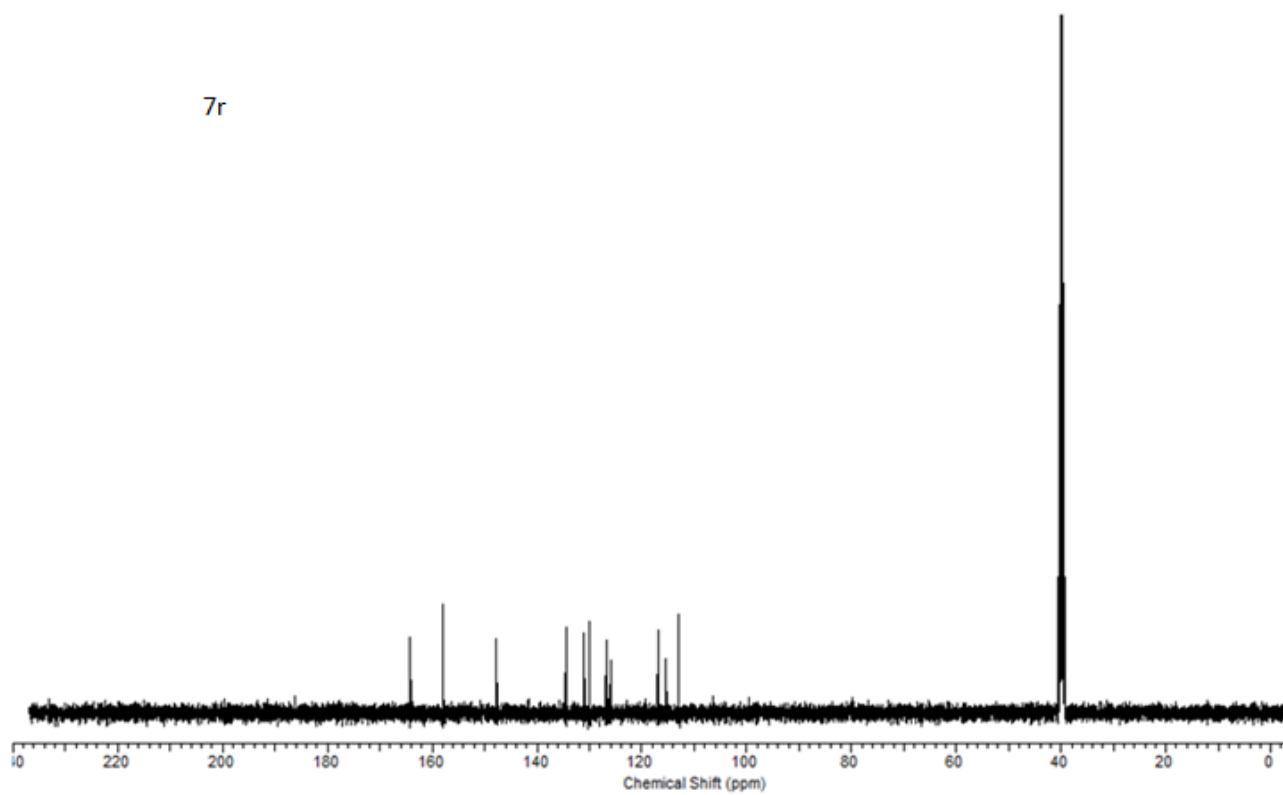
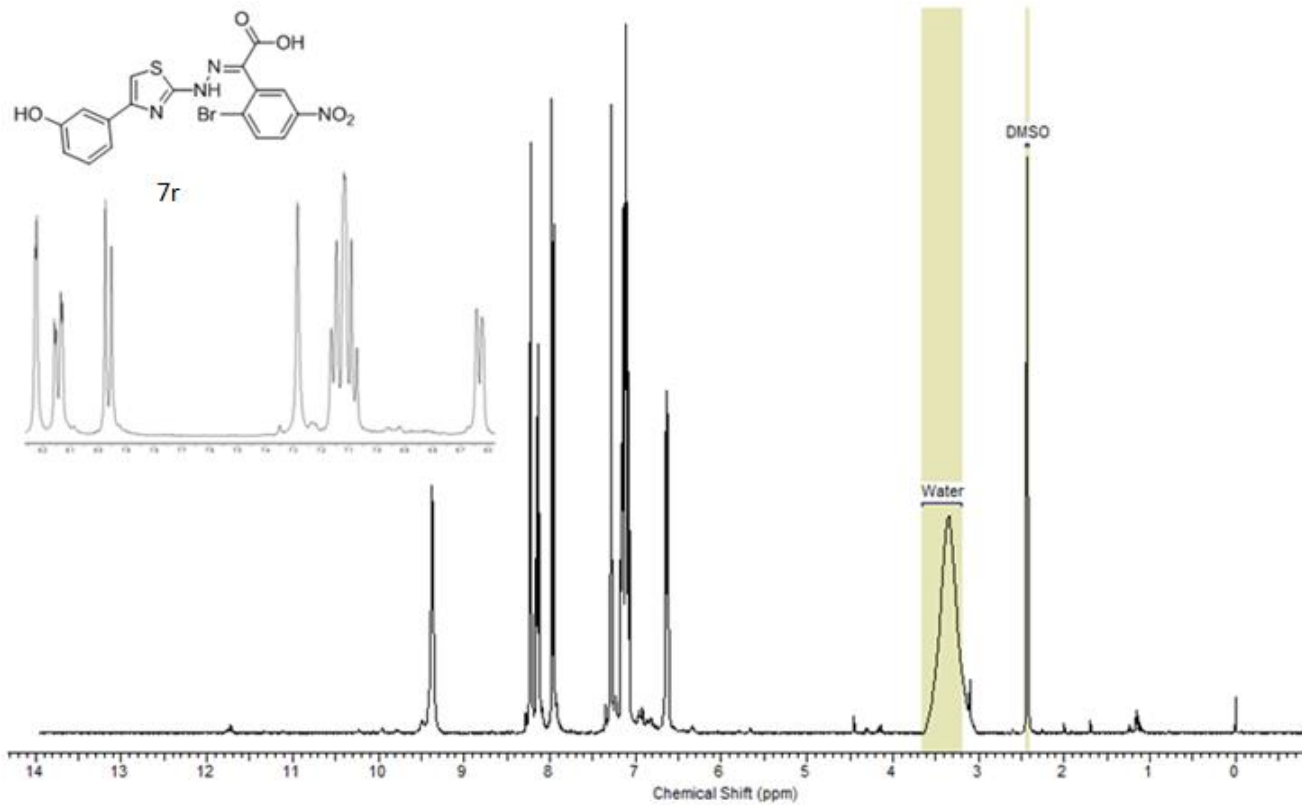
	Retention Time	% Area
1	14.269	1.87
2	15.381	96.30
3	15.813	1.83



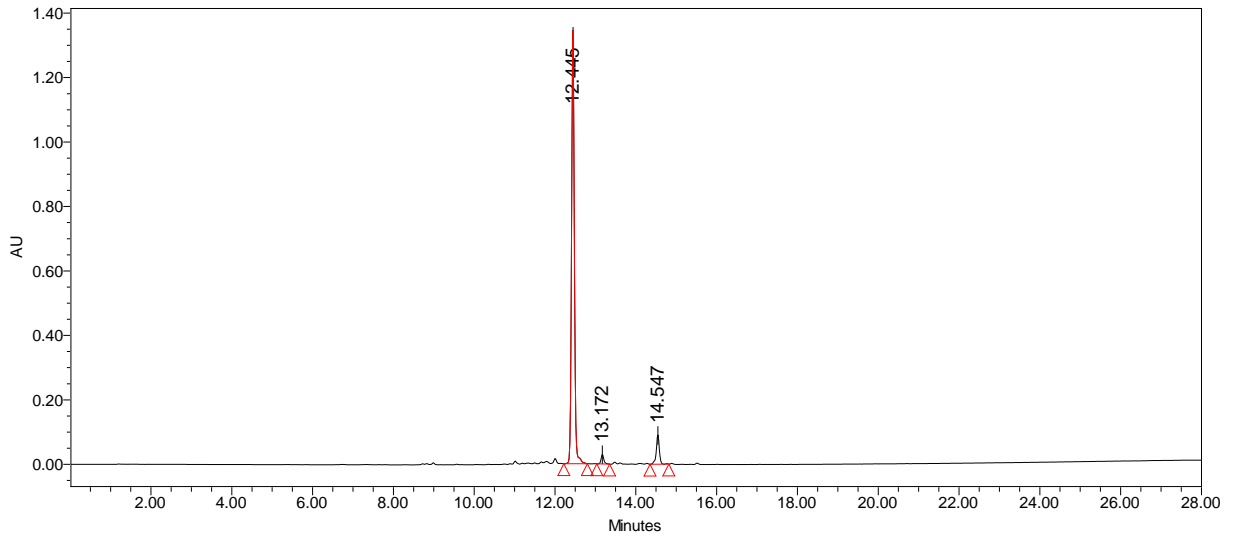
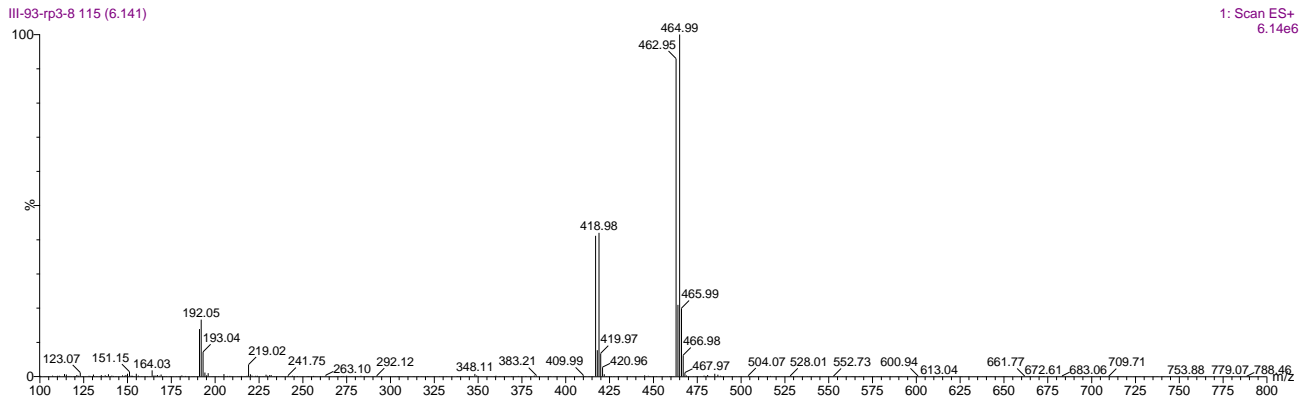
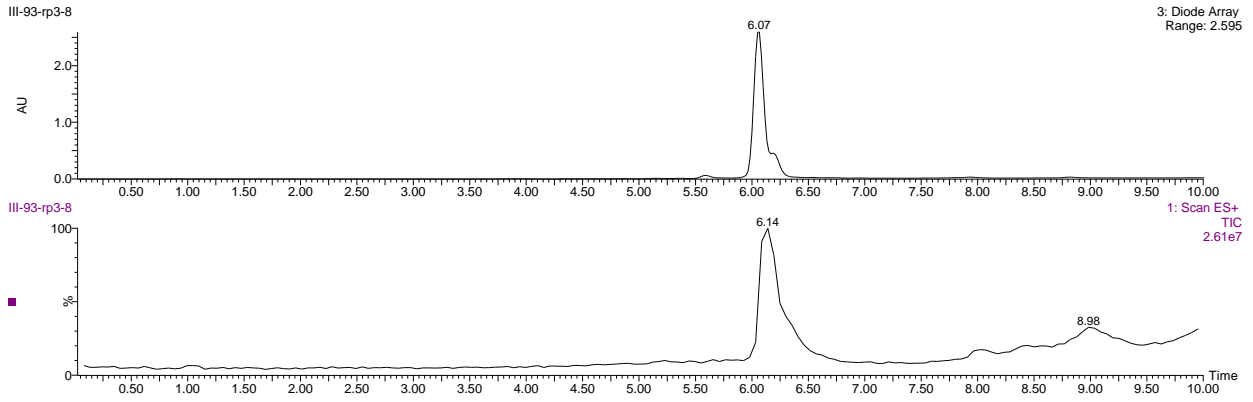
7r



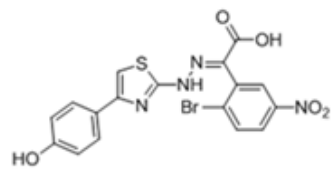
	Retention Time	% Area
1	12.858	89.97
2	13.104	3.12
3	14.980	2.71
4	15.934	2.34
5	17.013	1.86



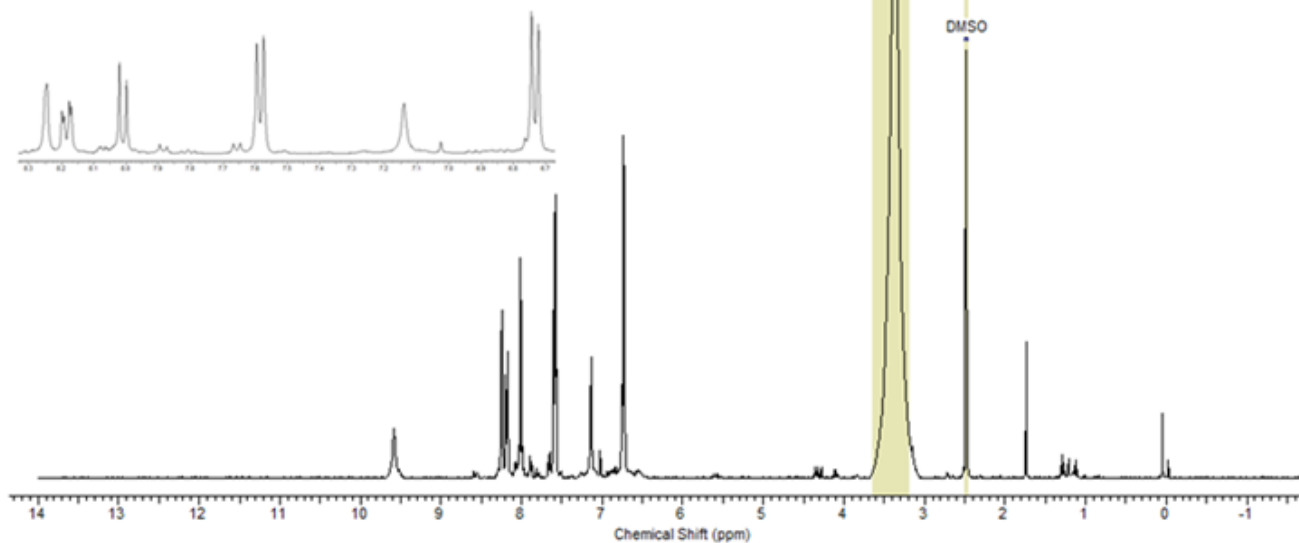
7s



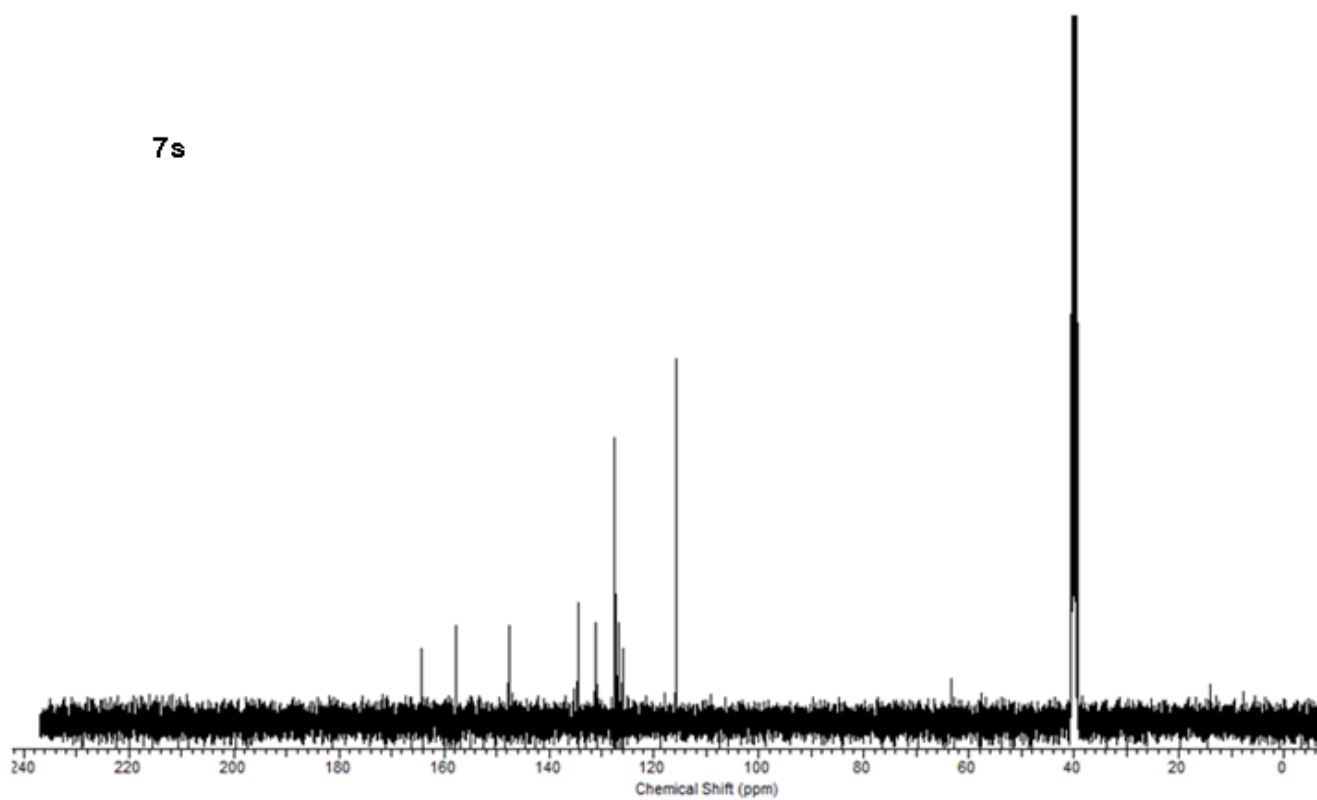
	Retention Time	% Area
1	12.445	91.32
2	13.172	1.95
3	14.547	6.73



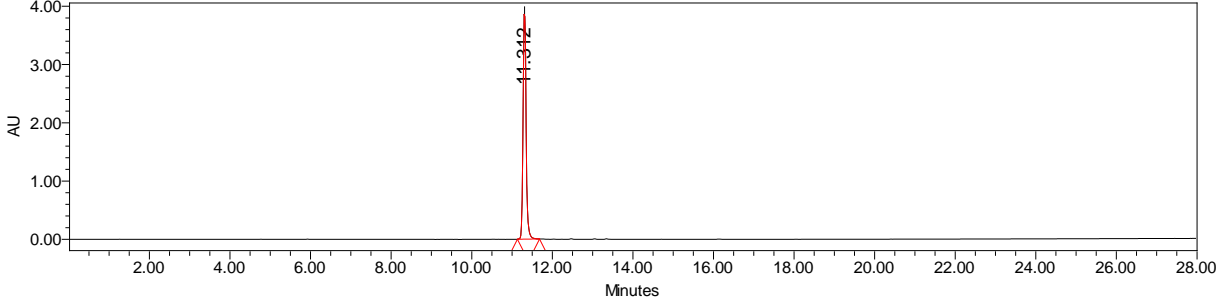
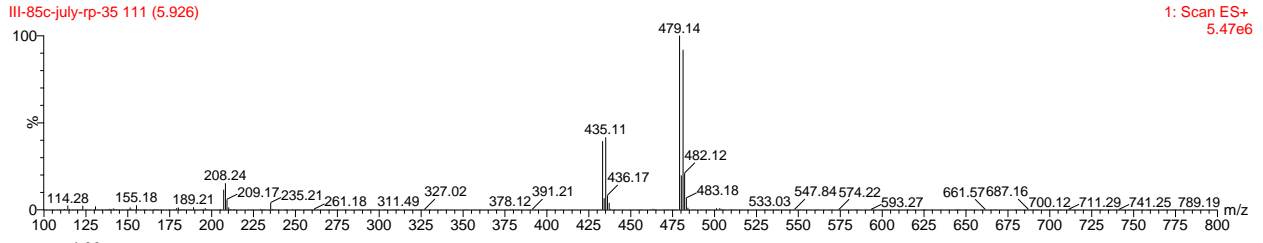
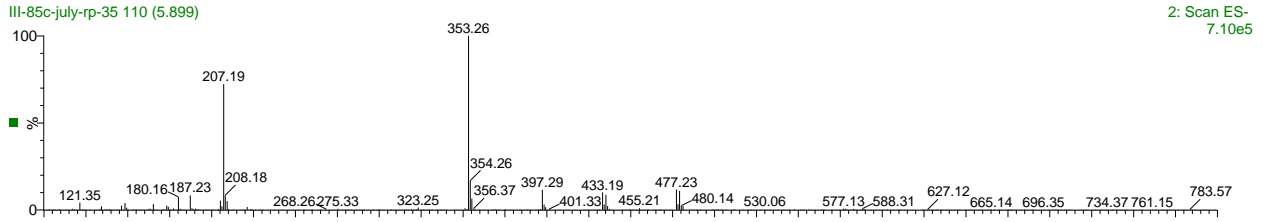
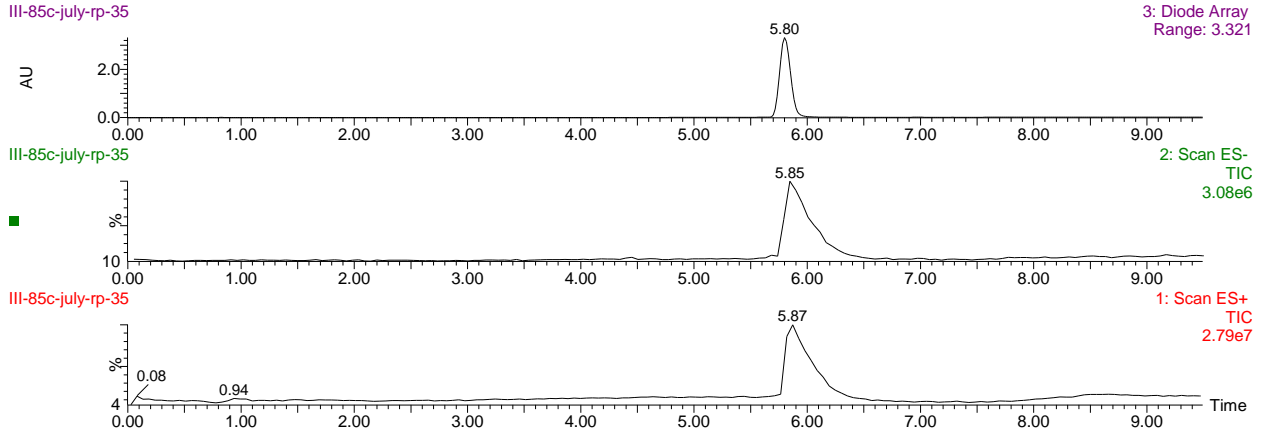
7s



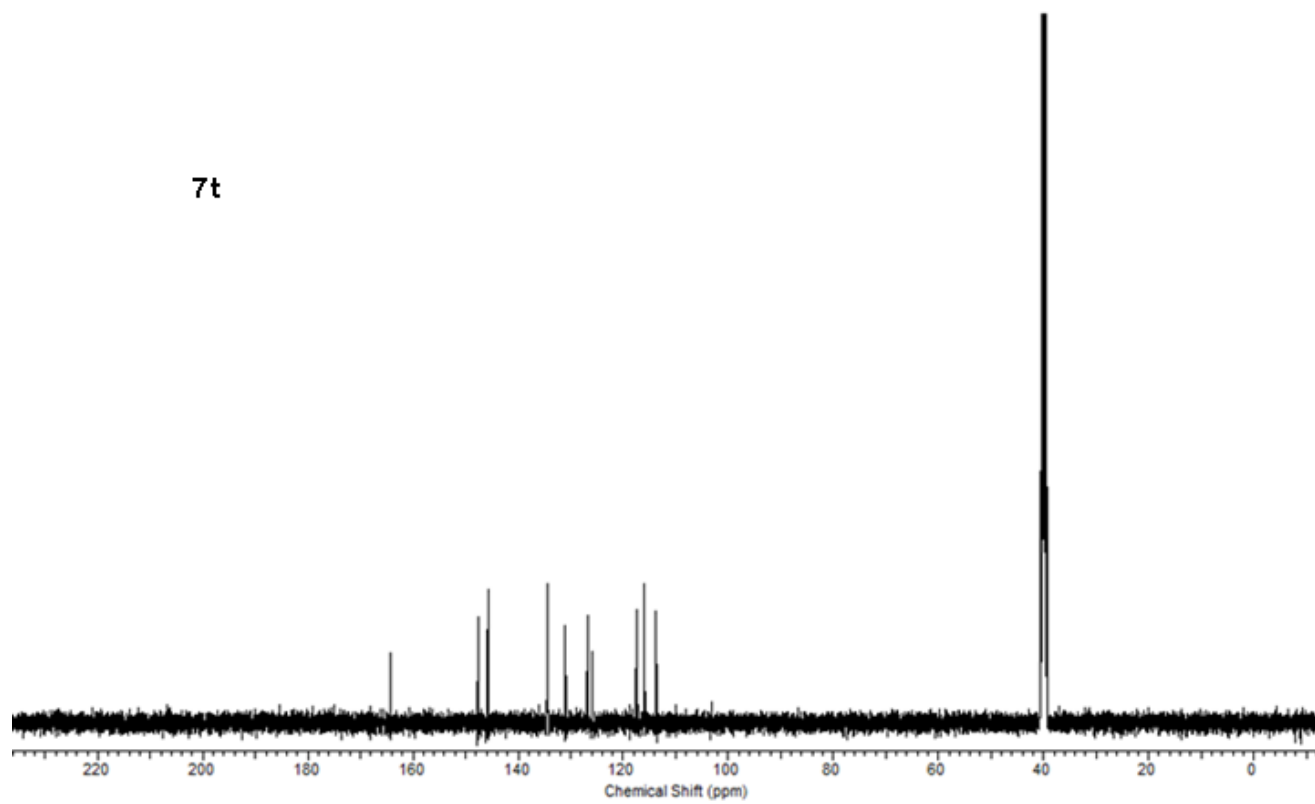
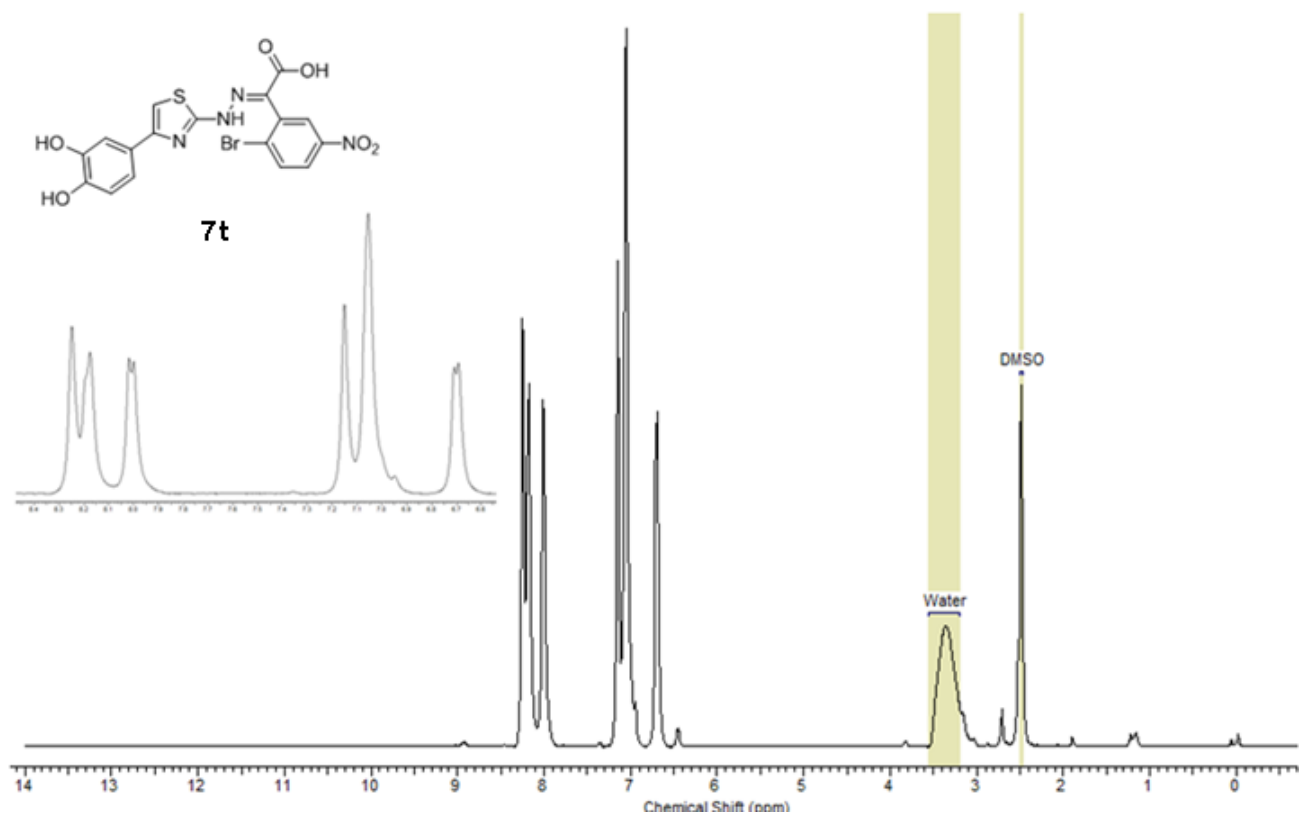
7s



7t



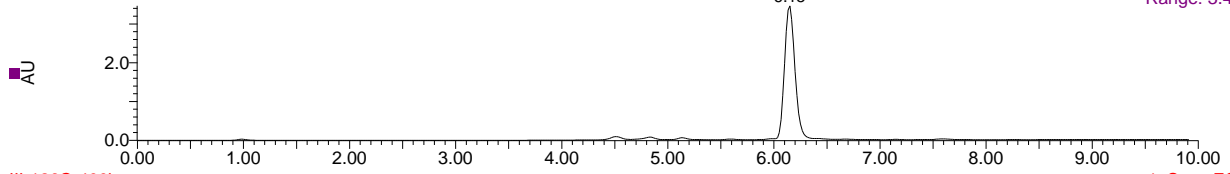
	Retention Time	% Area
1	11.312	100.00



7u

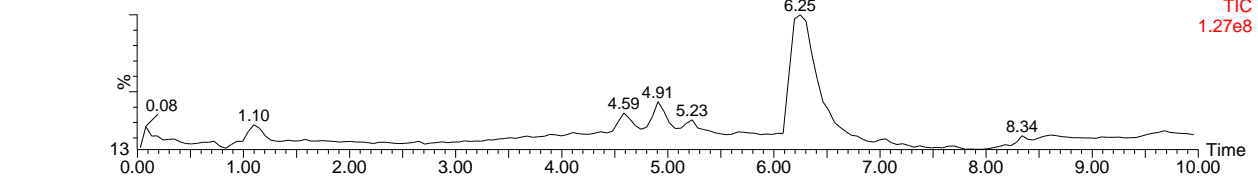
III-126C-400b

3: Diode Array
Range: 3.467



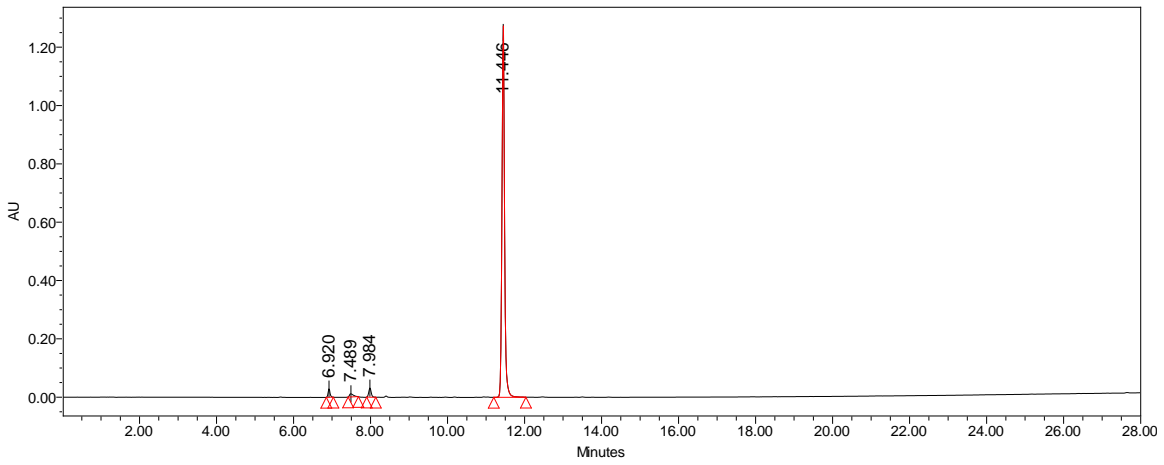
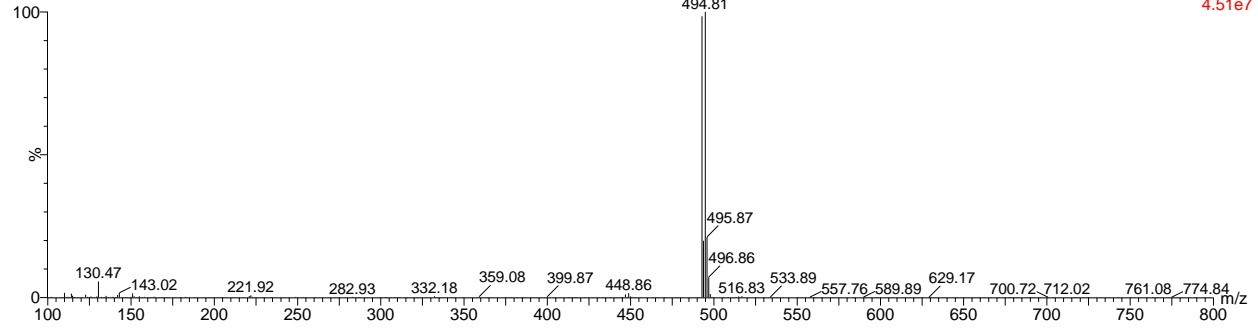
III-126C-400b

1: Scan ES+
TIC
1.27e8



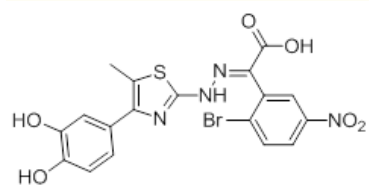
III-126C-400b 117 (6.248)

1: Scan ES+
4.51e7

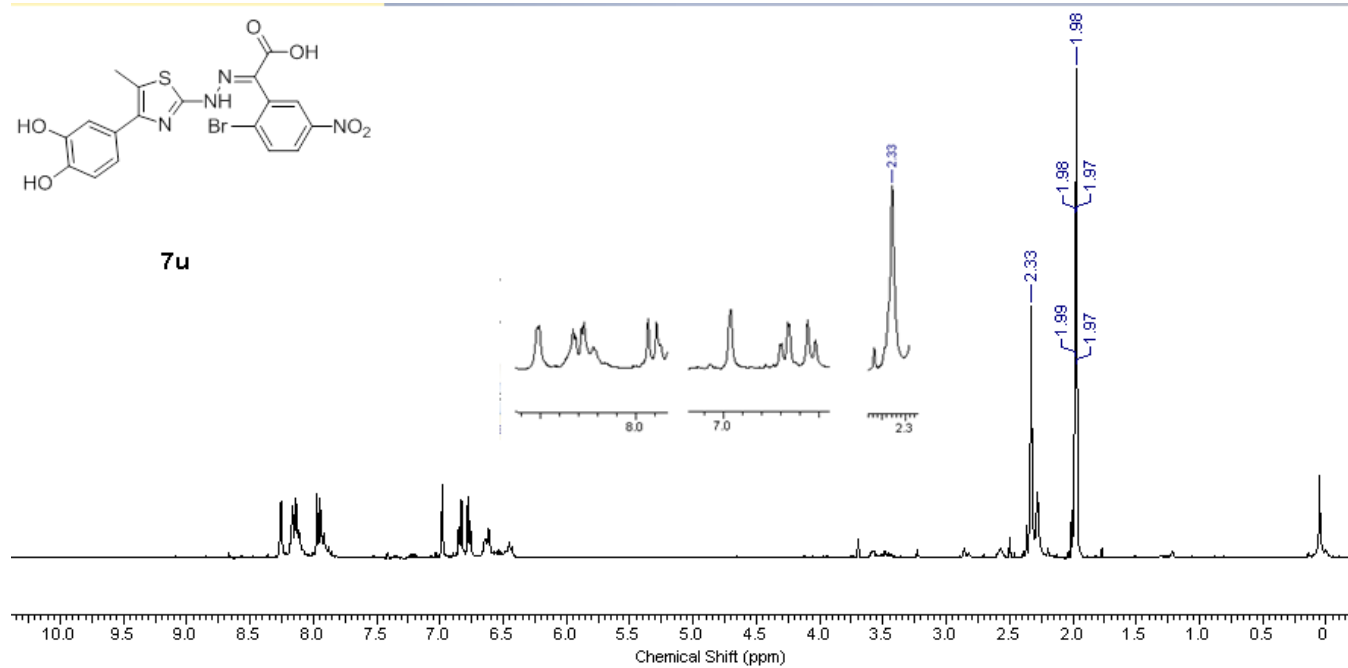


Retention Time	% Area
6.920	1.61
7.489	1.17
7.984	2.12
11.446	95.10

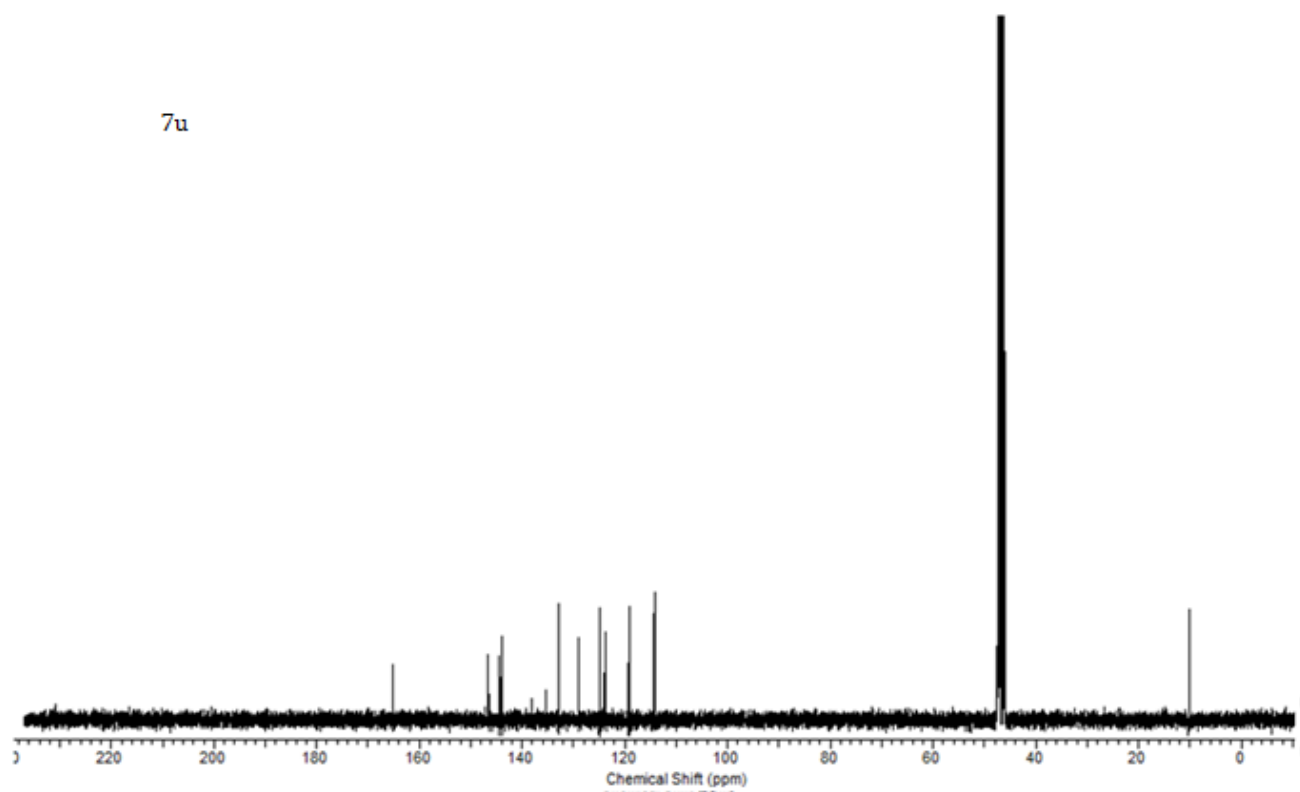
7u



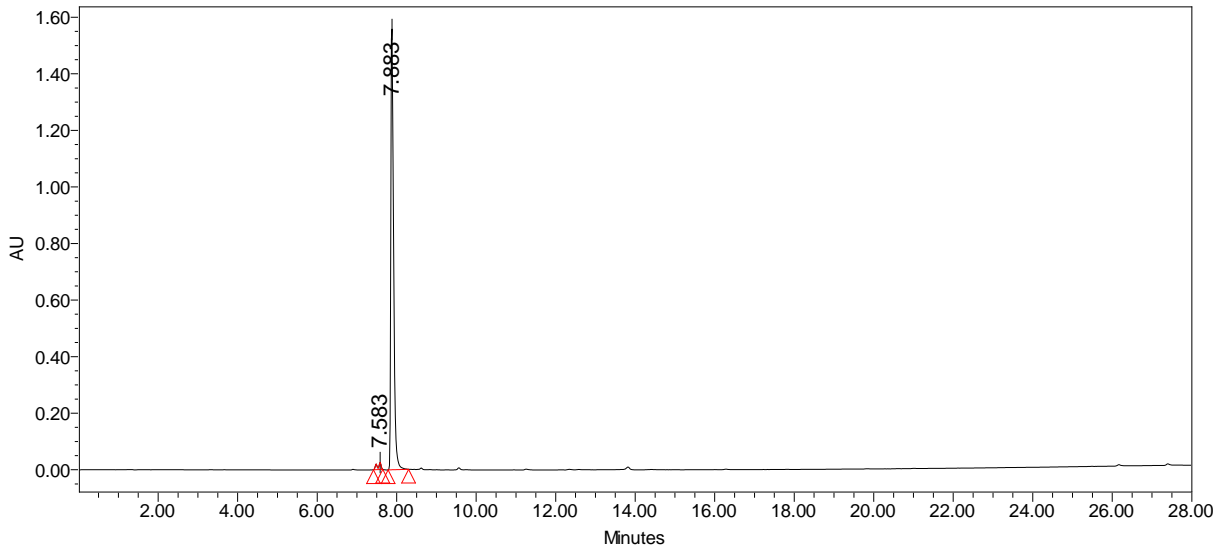
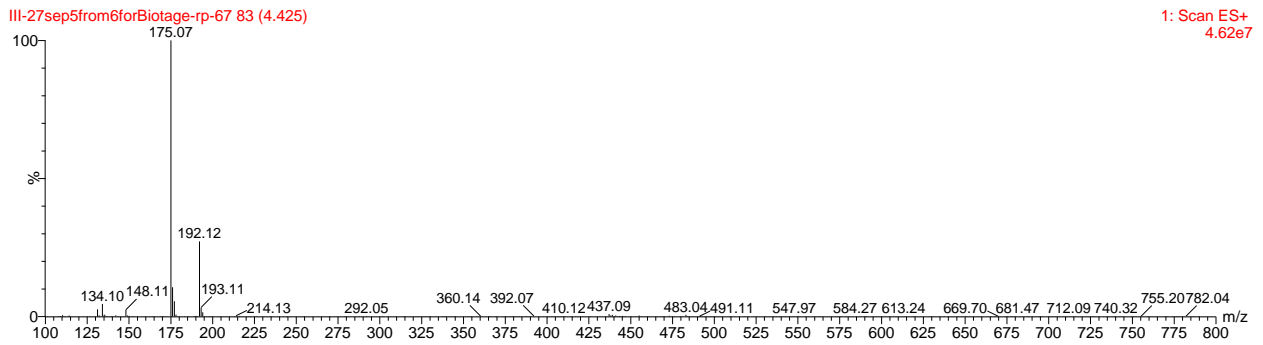
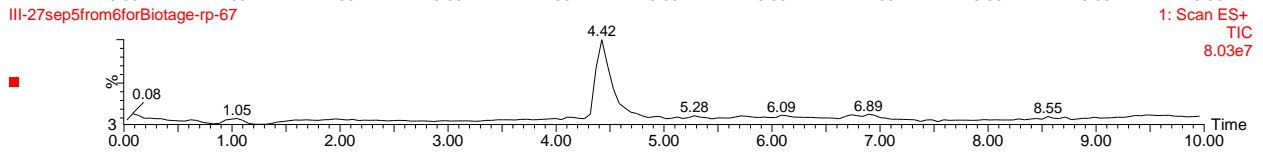
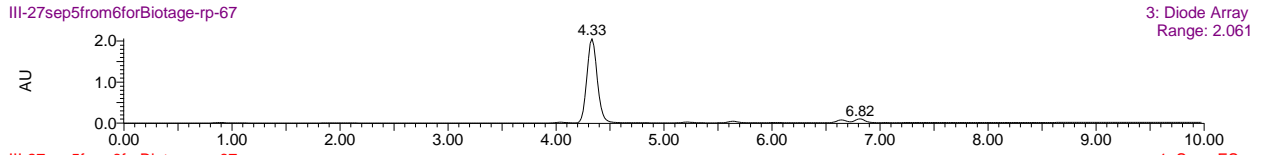
7u



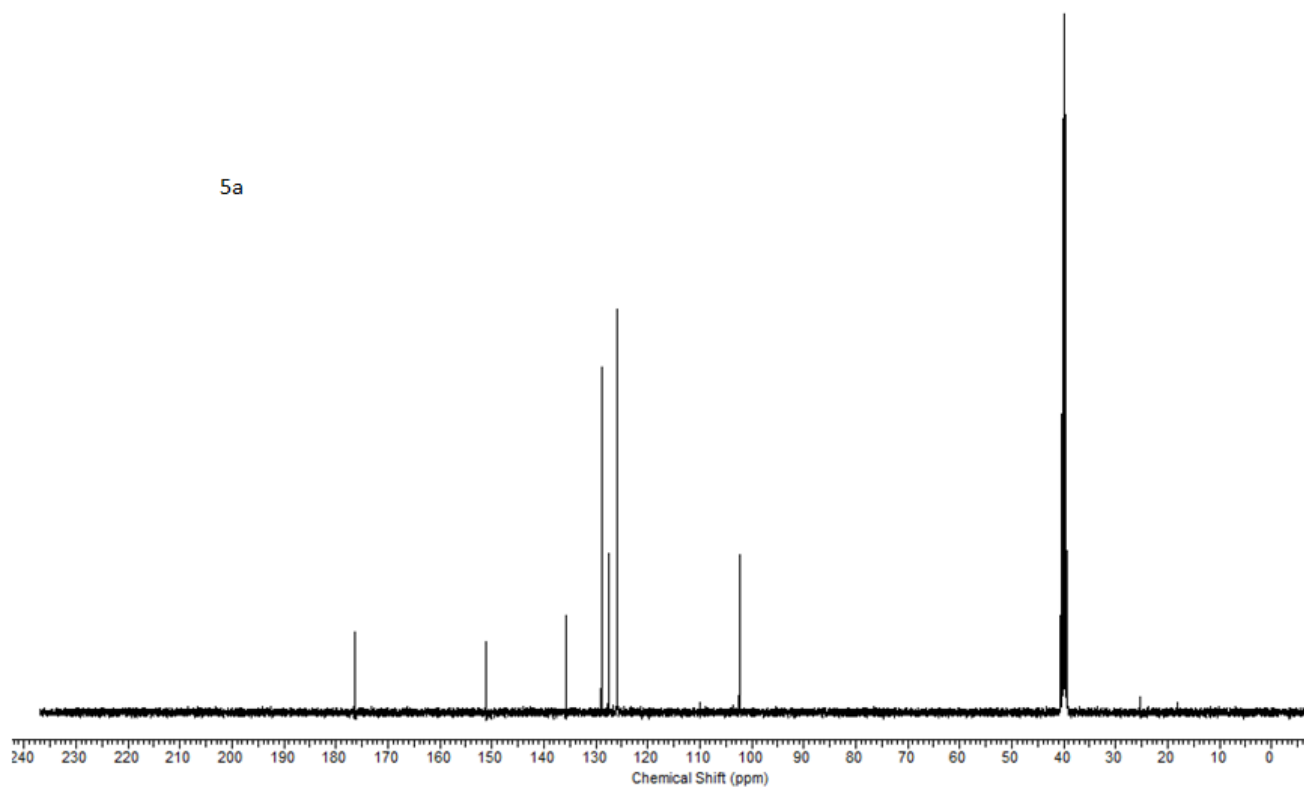
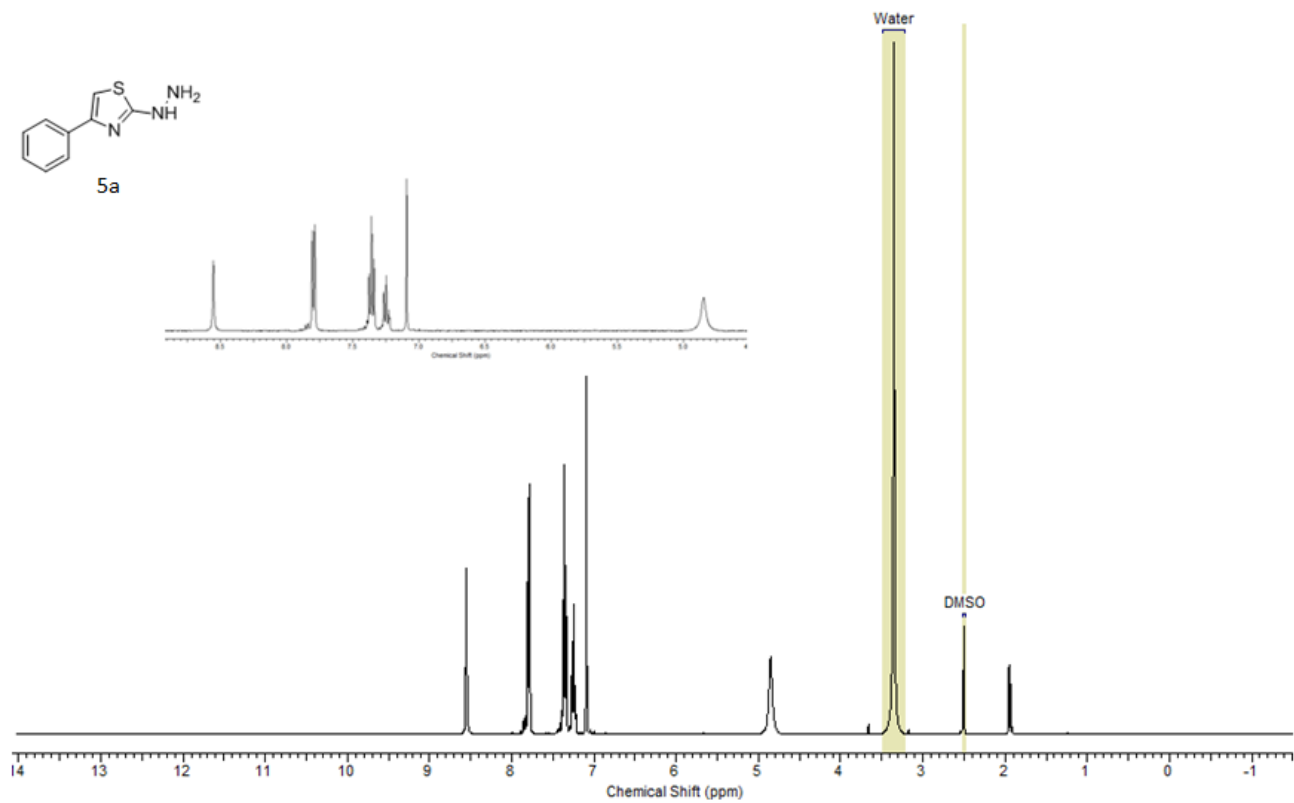
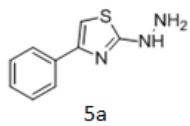
7u



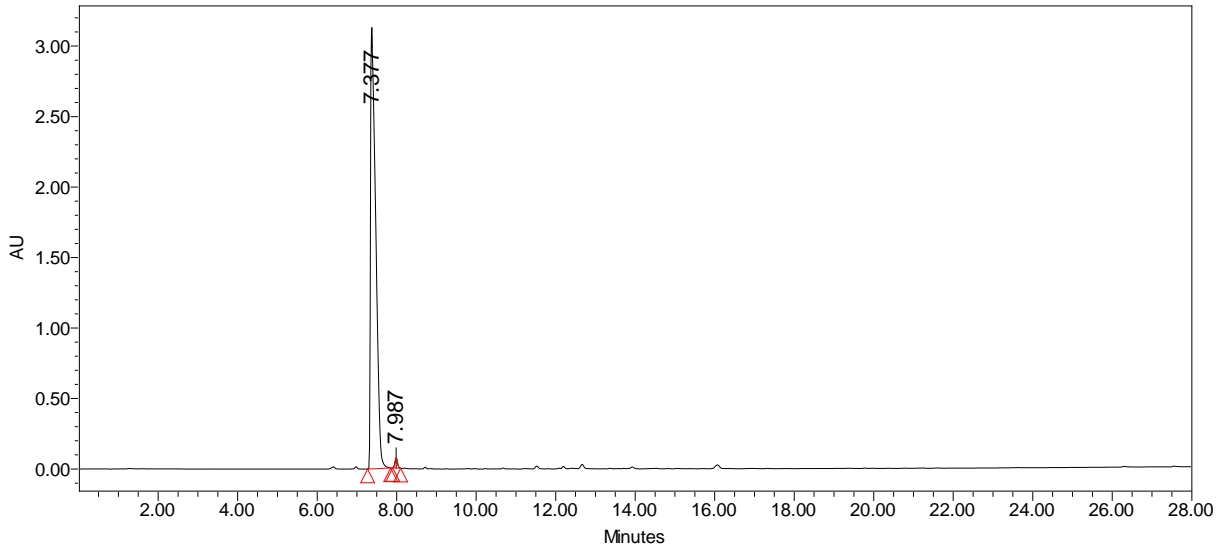
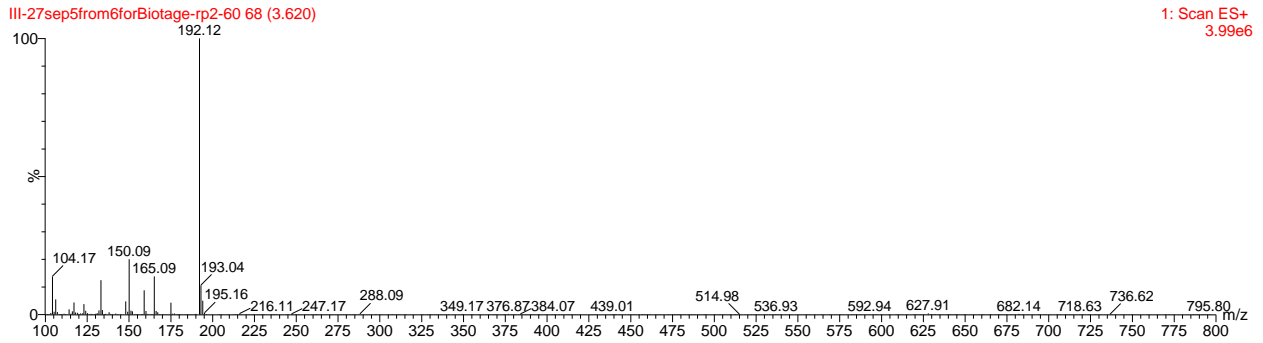
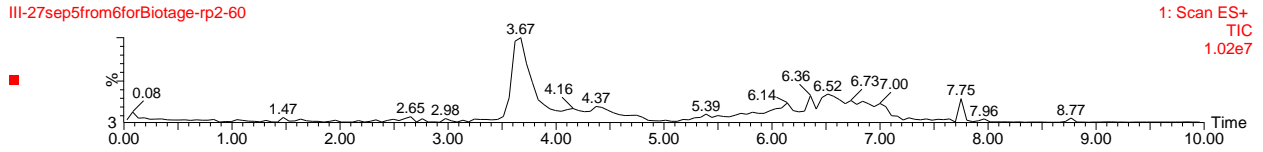
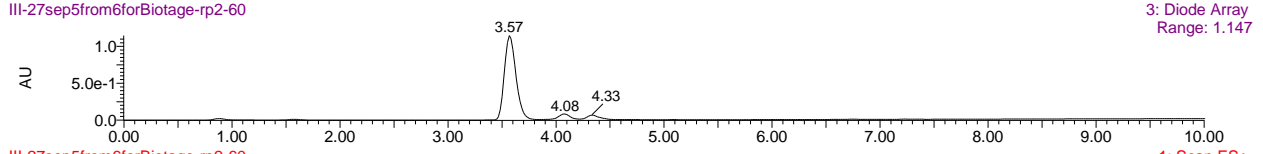
5a



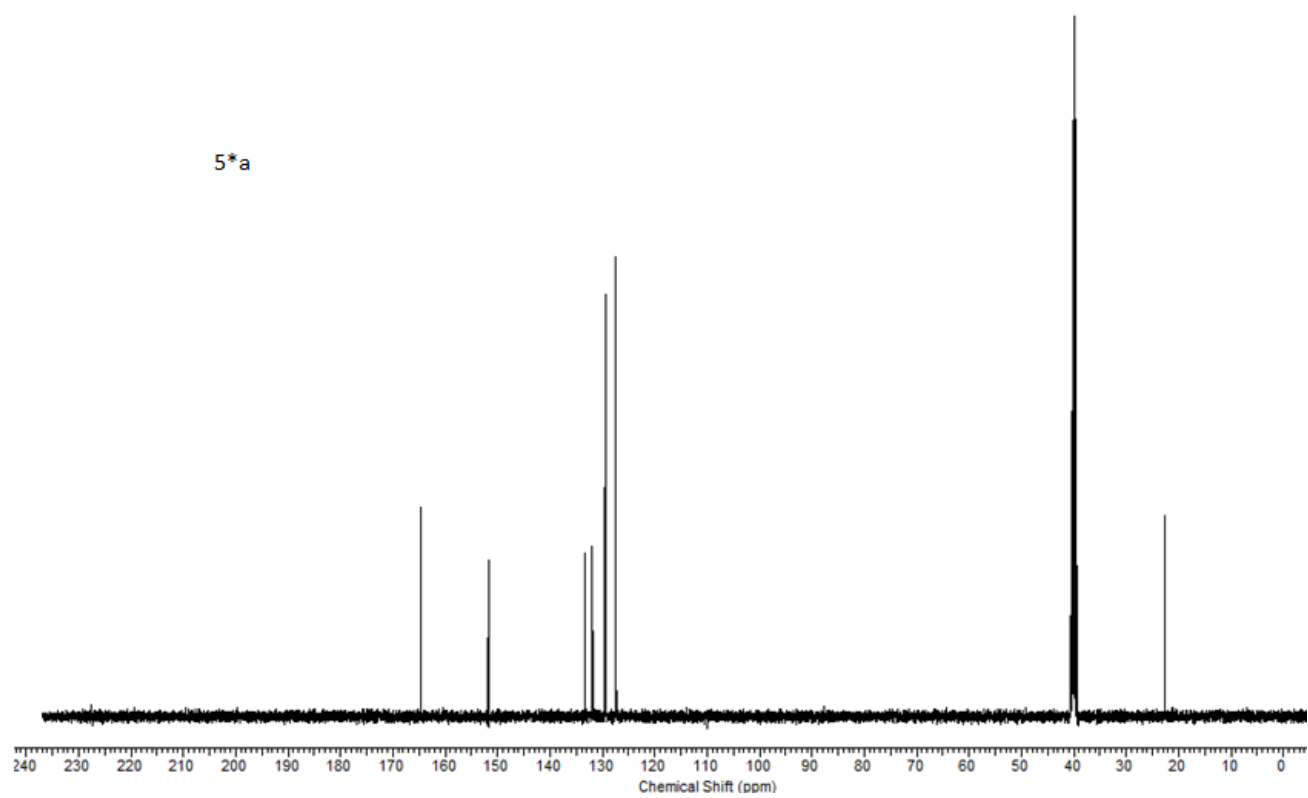
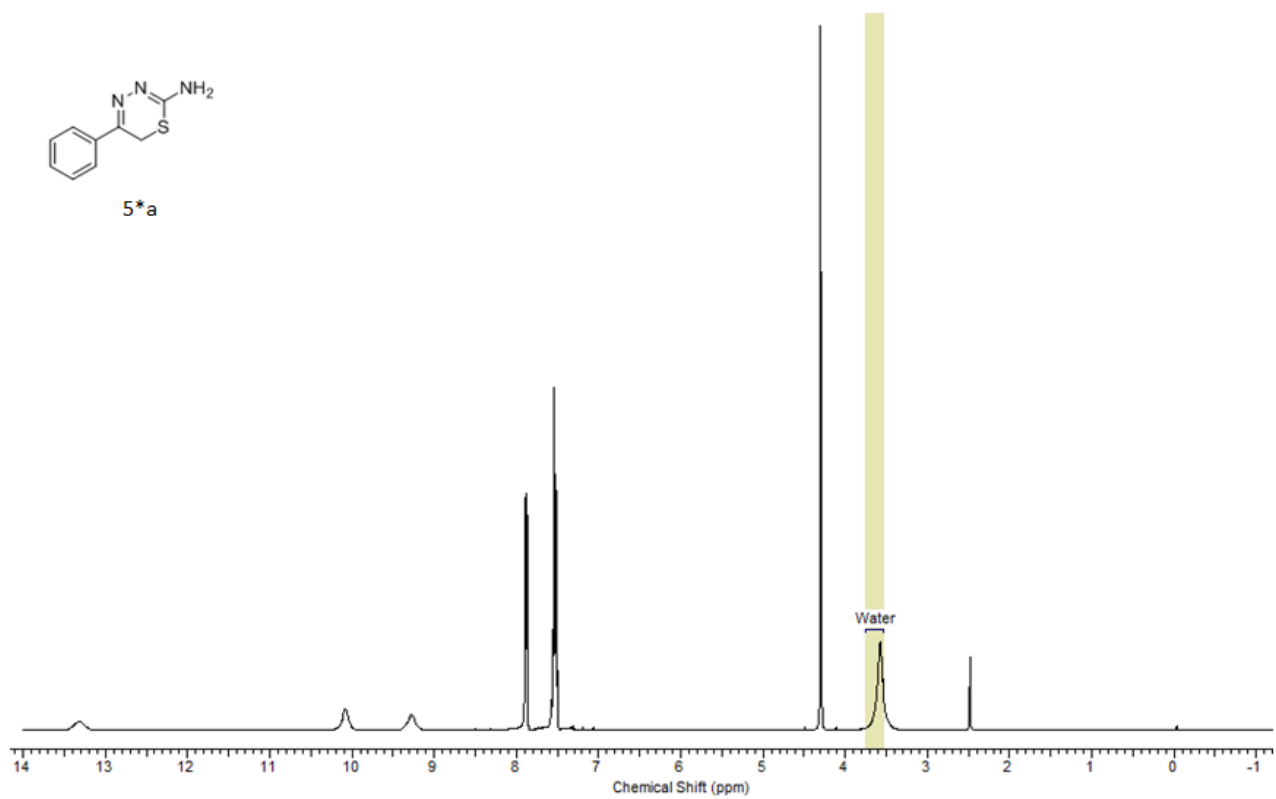
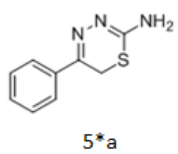
	Retention Time	% Area
1	7.583	1.99
2	7.883	98.01



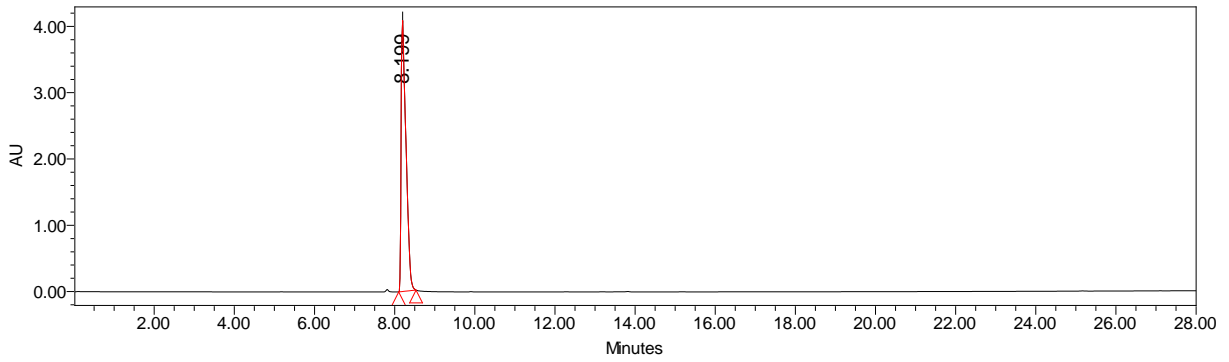
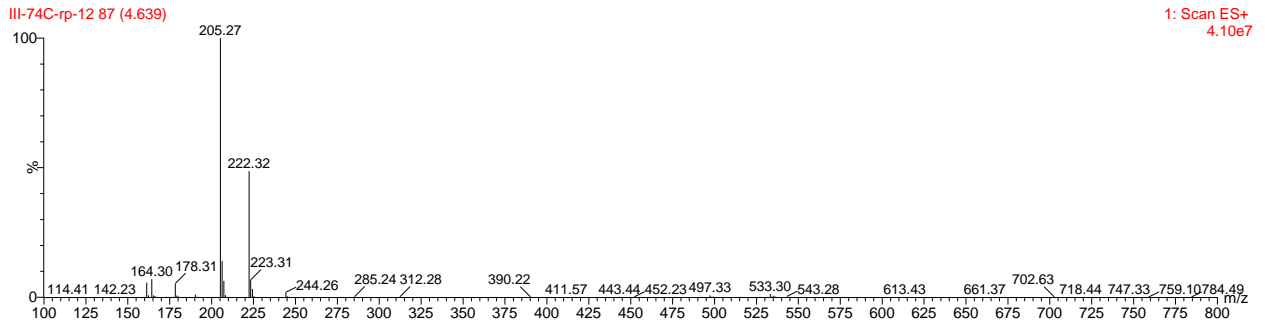
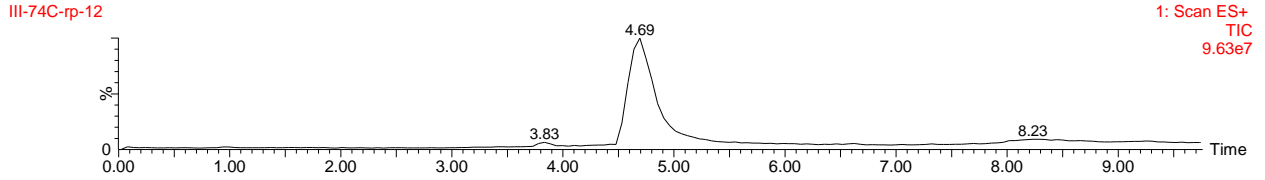
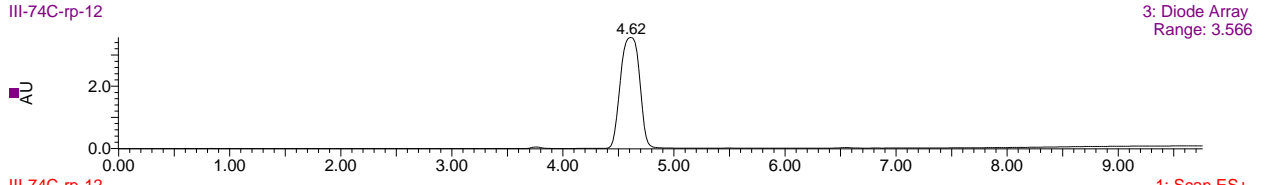
5*a



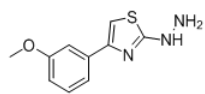
	Retention Time	% Area
1	7.377	98.92
2	7.987	1.08



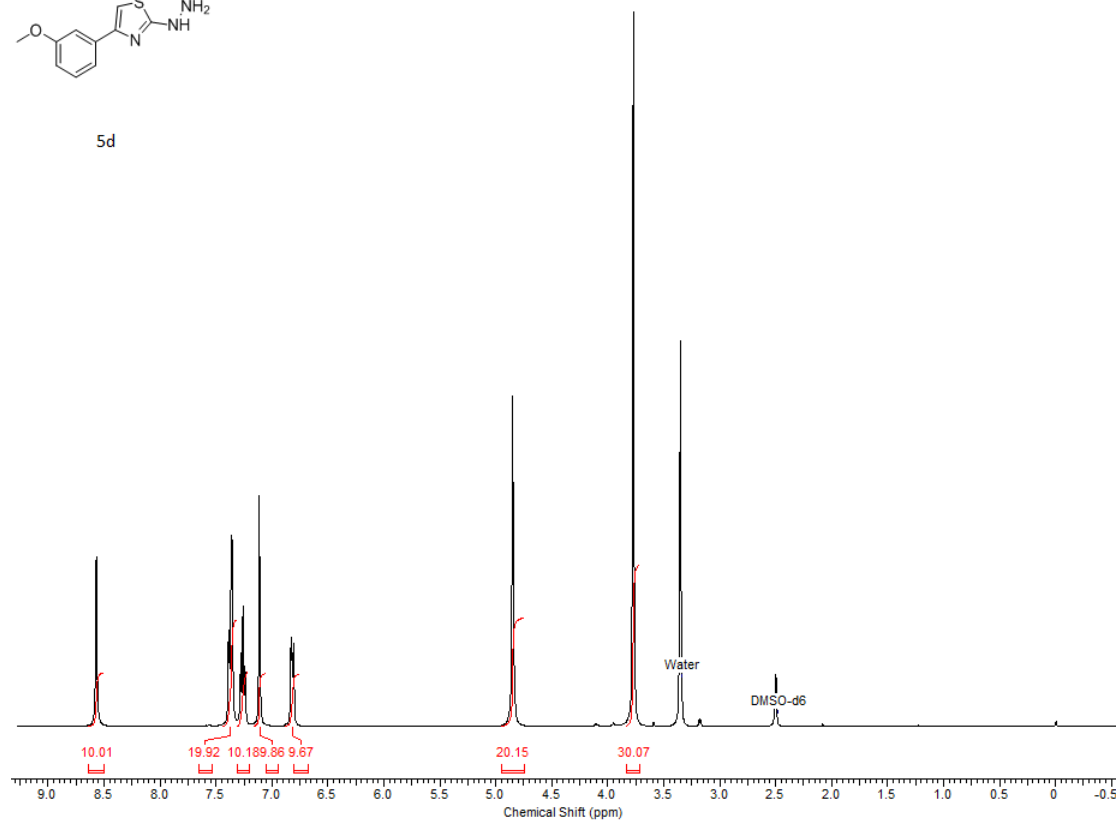
5d



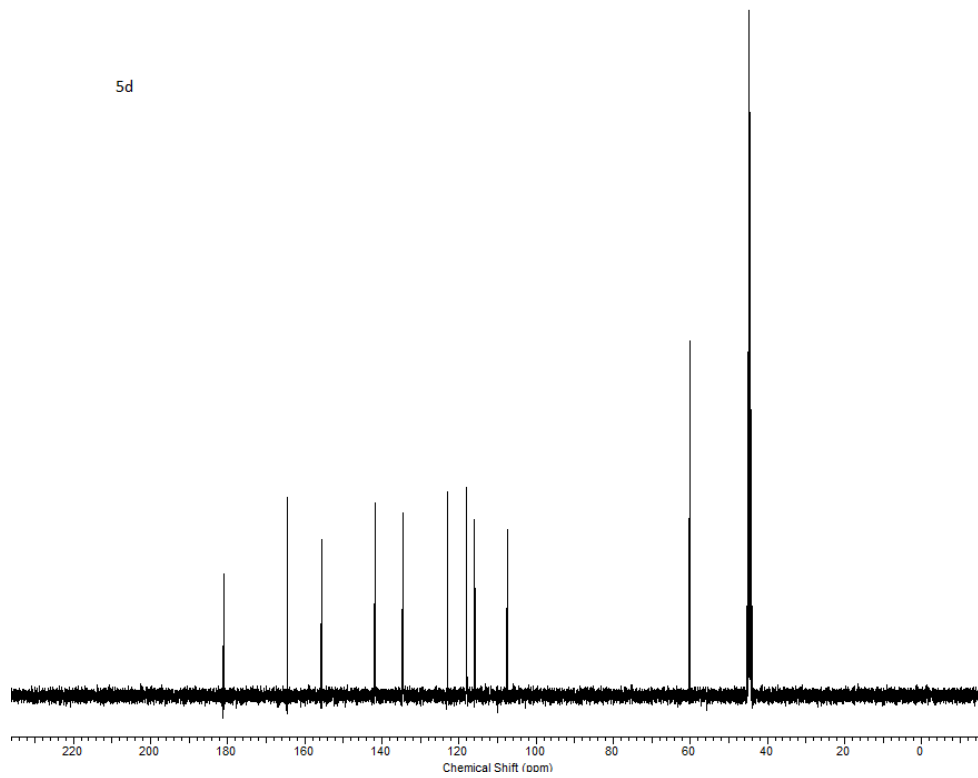
	Retention Time	% Area
1	8.199	100.00



5d

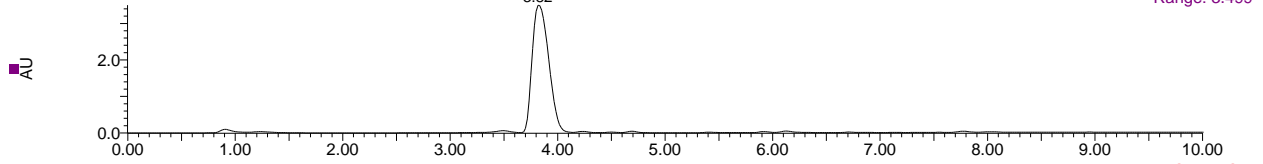


5d

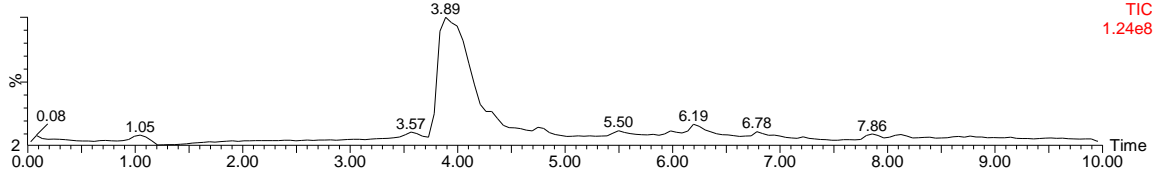


5*d

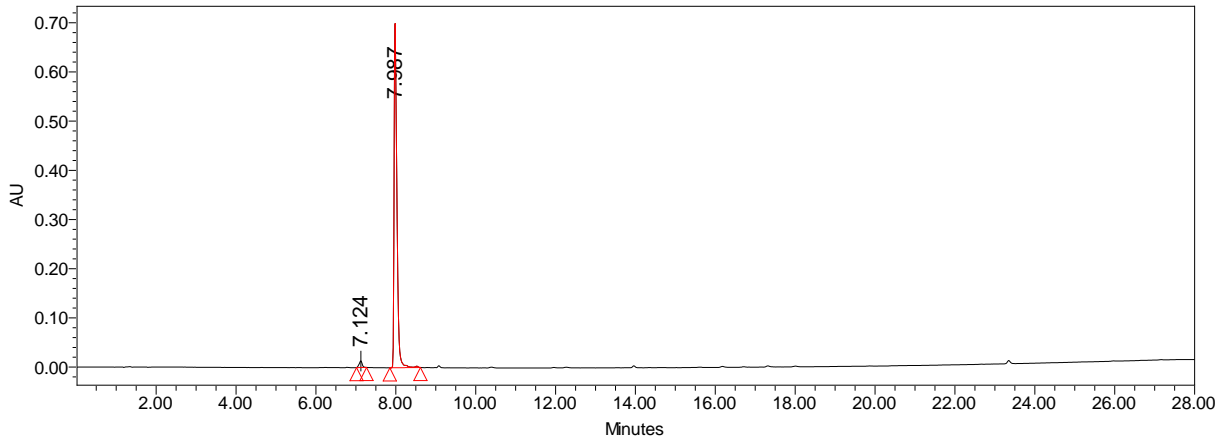
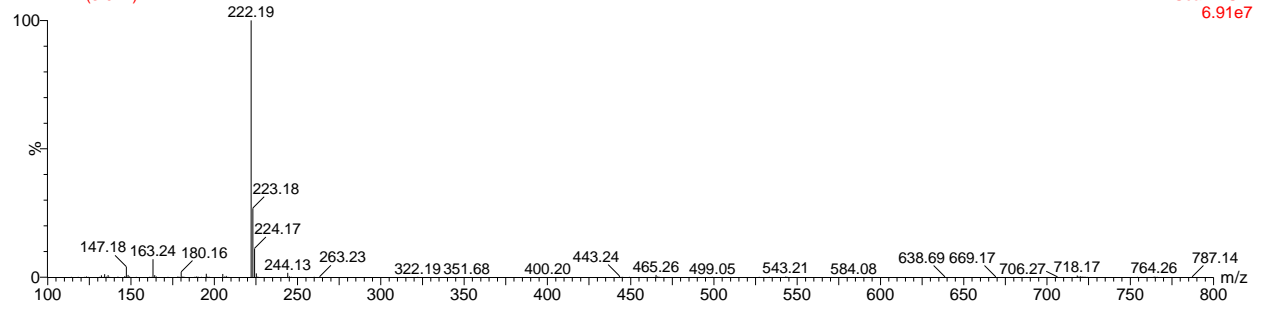
III-74B



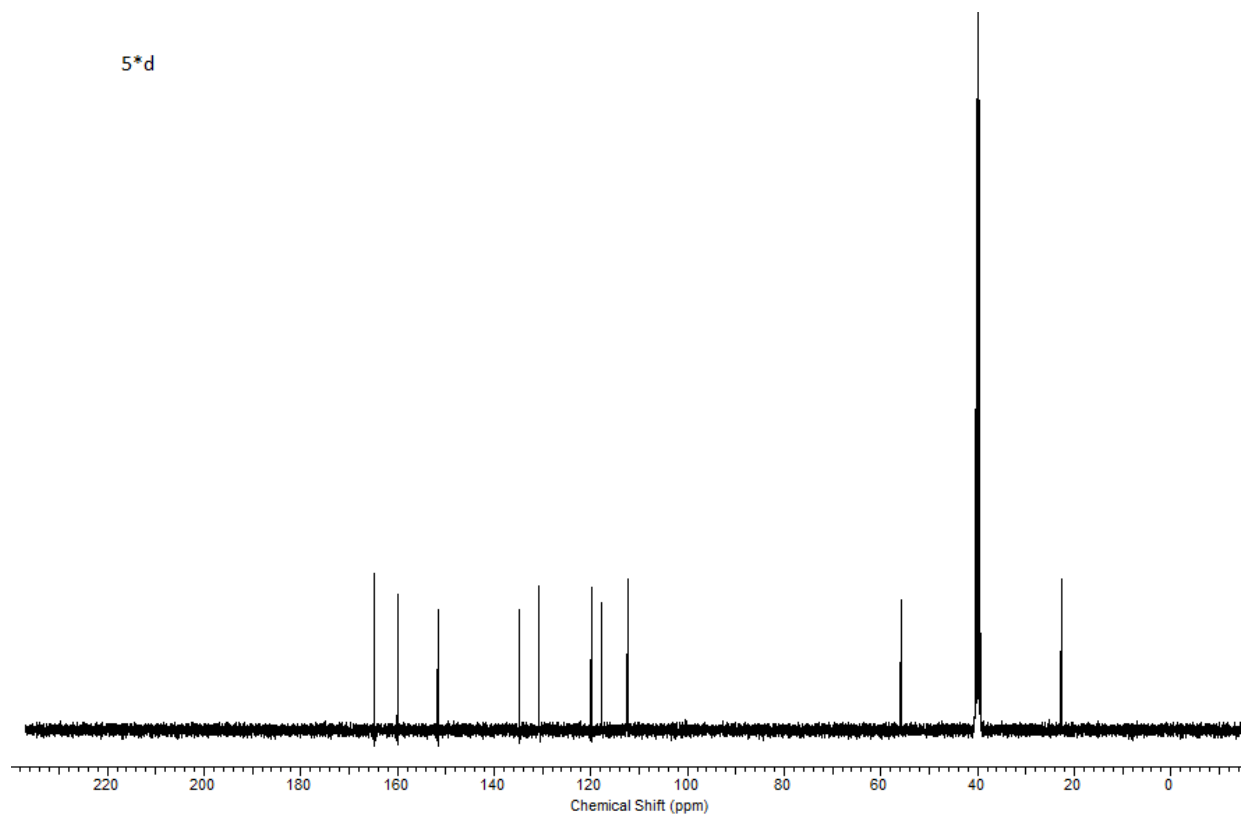
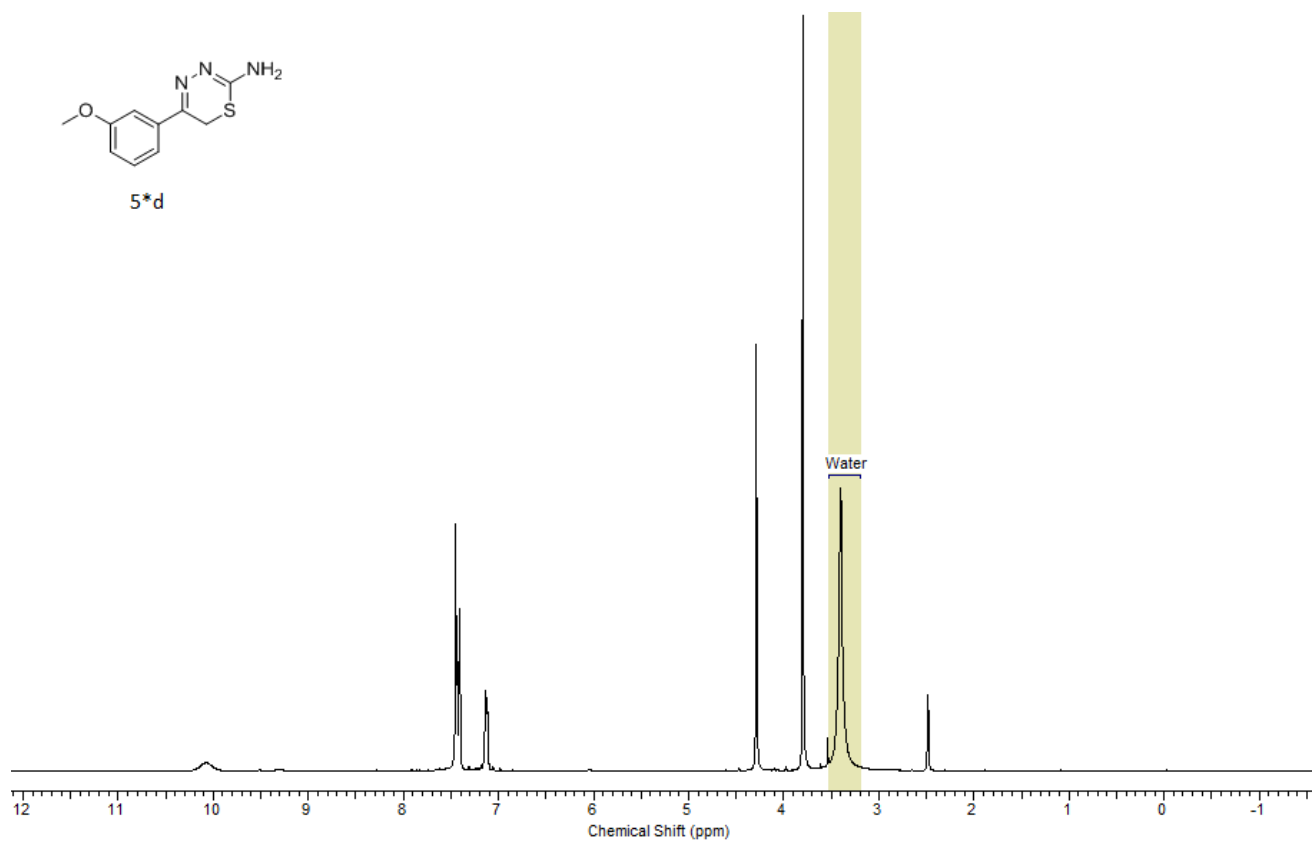
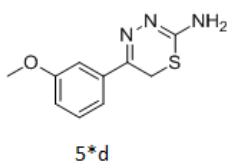
III-74B



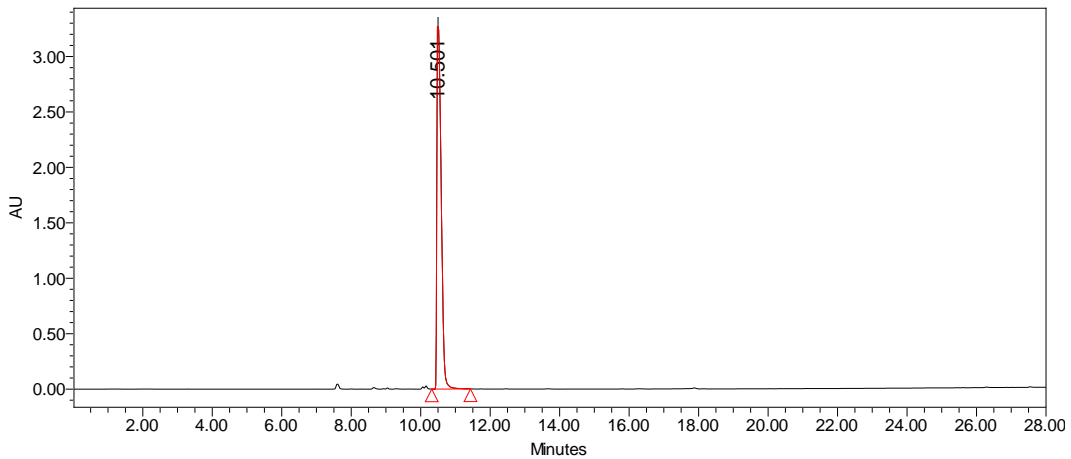
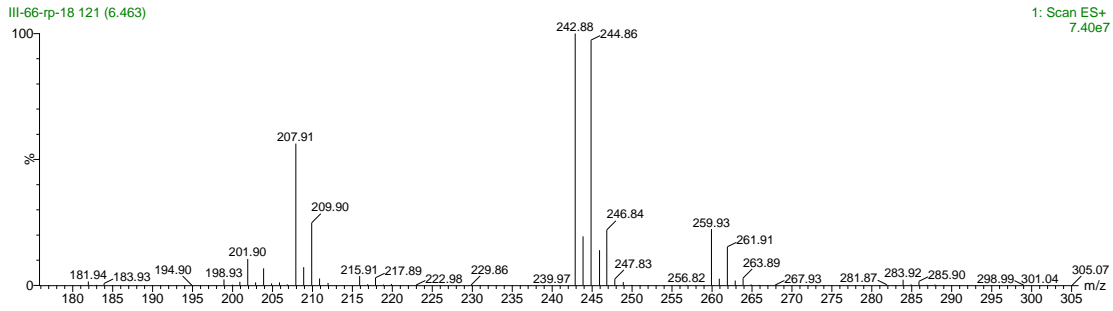
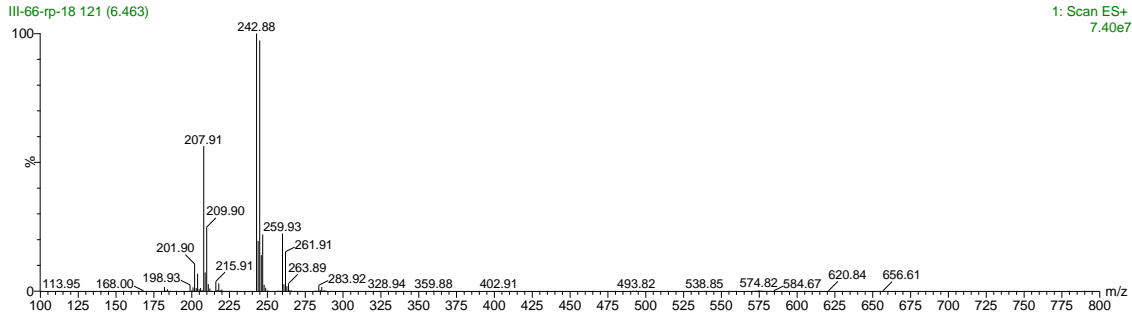
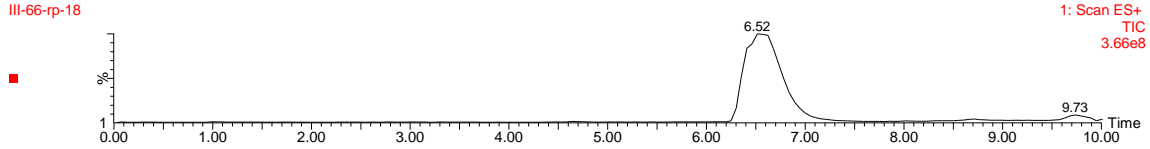
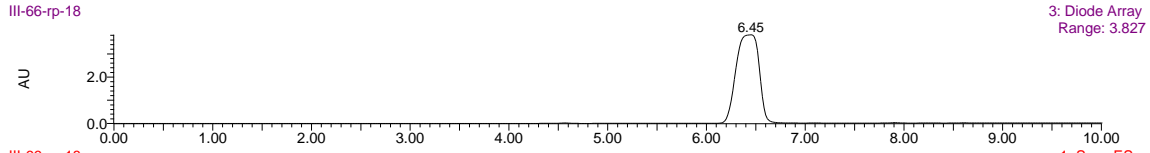
III-74B 74 (3.942)



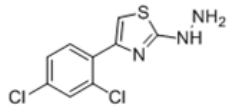
	Retention Time	% Area
1	7.124	1.97
2	7.987	98.03



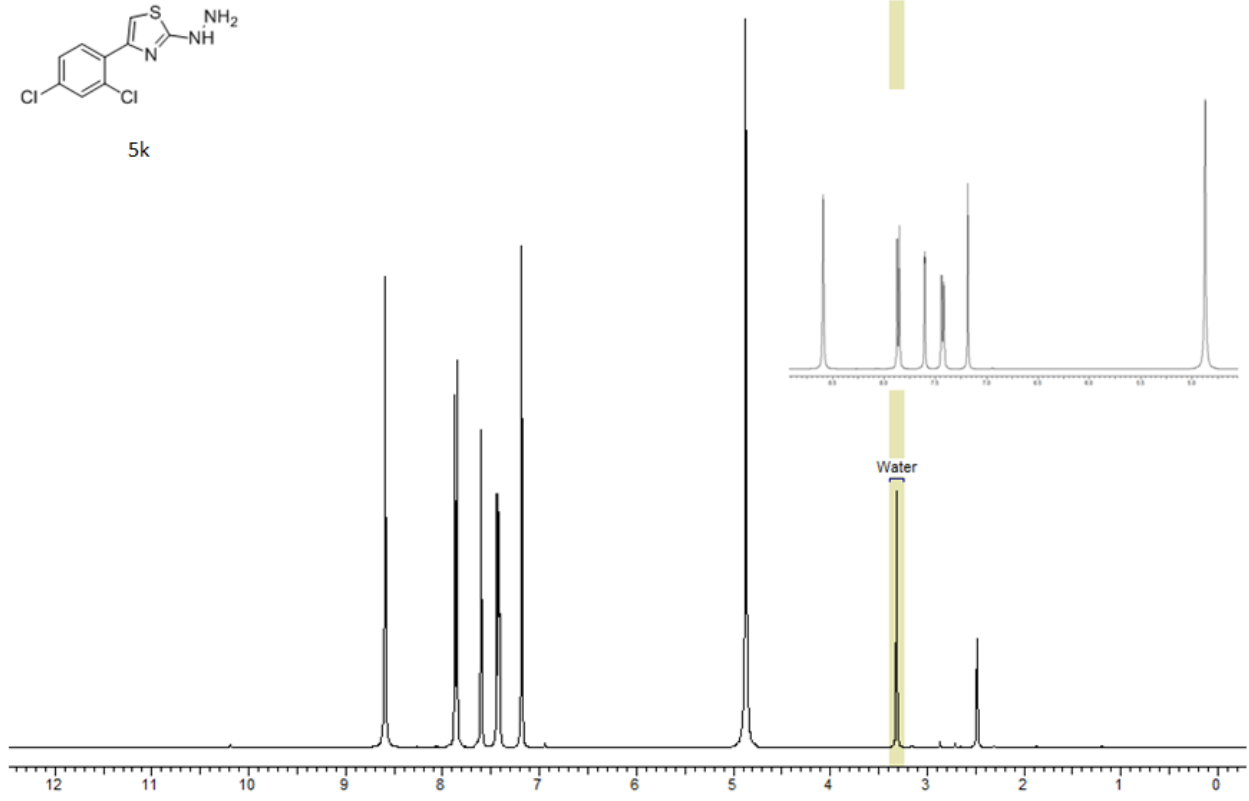
5k



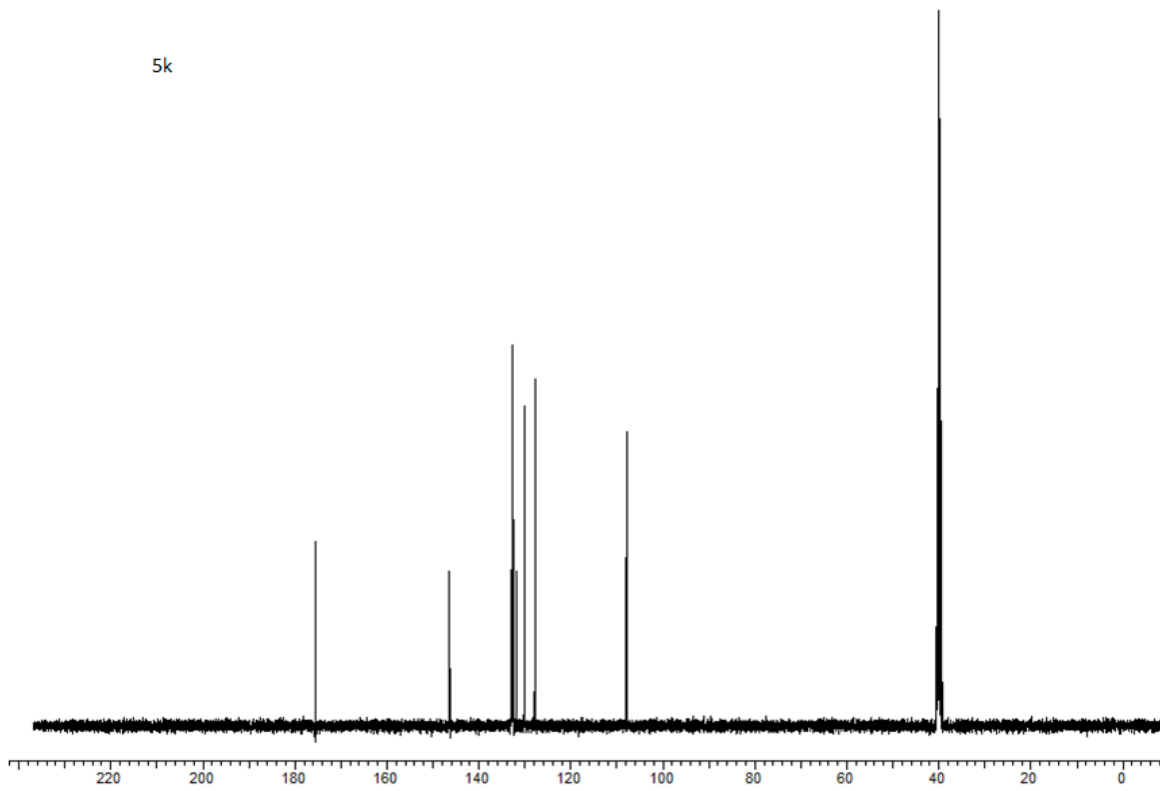
	Retention Time	% Area
1	10.501	100.00



5k



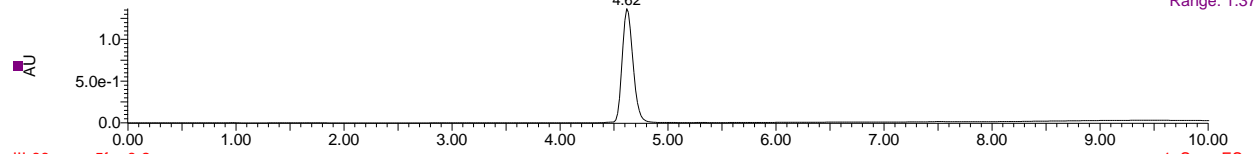
5k



5*k

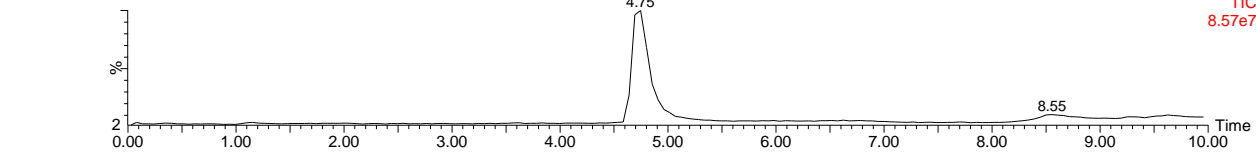
III-66-rpsep5frm6-2

3: Diode Array
Range: 1.37



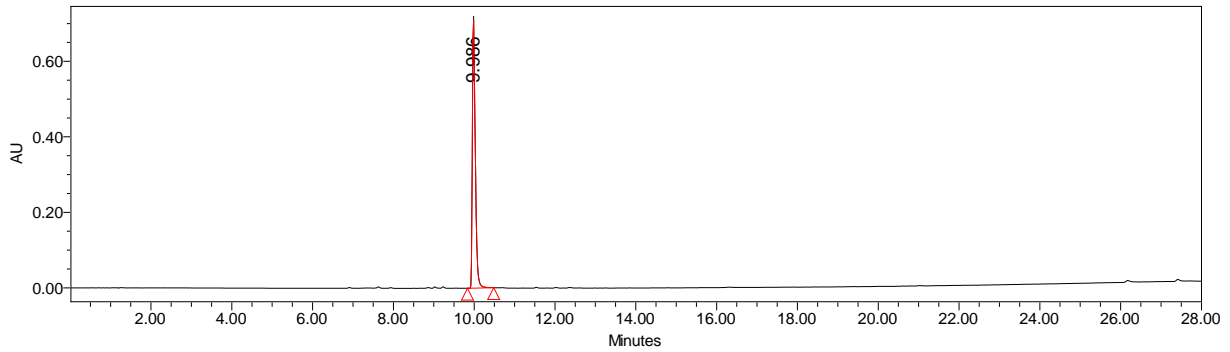
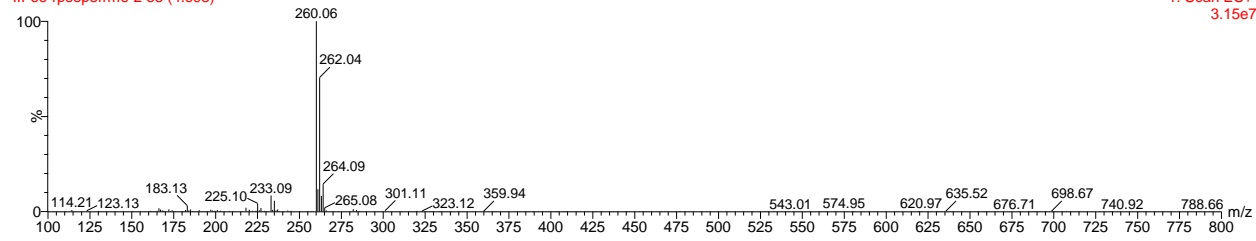
III-66-rpsep5frm6-2

1: Scan ES+
TIC
8.57e7

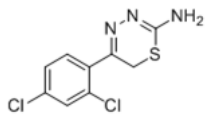


III-66-rpsep5frm6-2 88 (4.693)

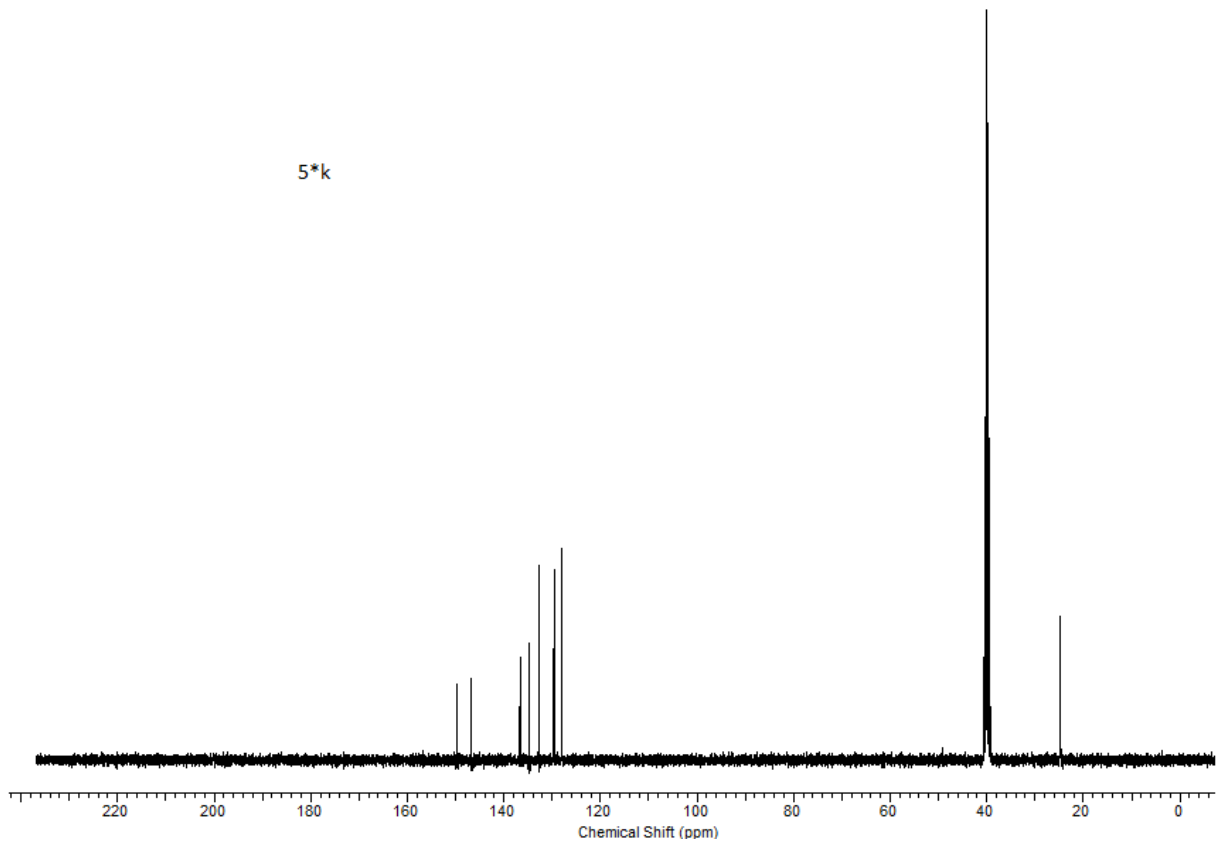
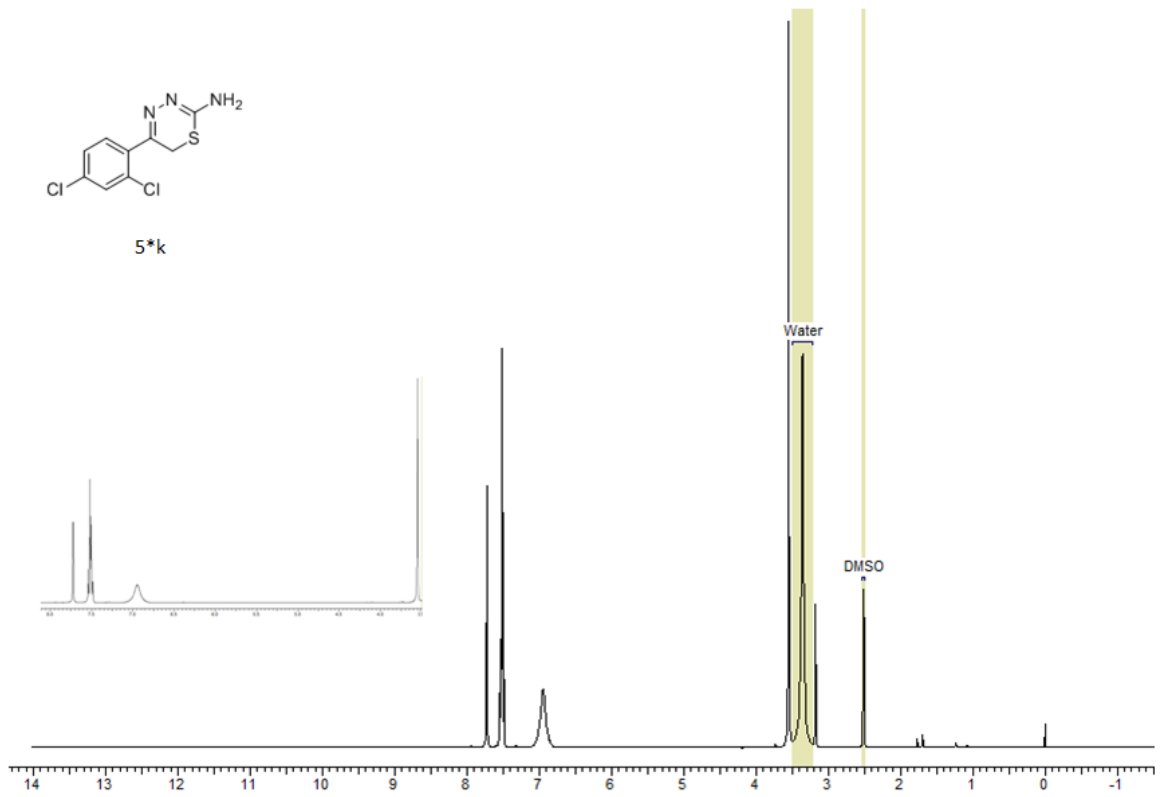
1: Scan ES+
3.15e7



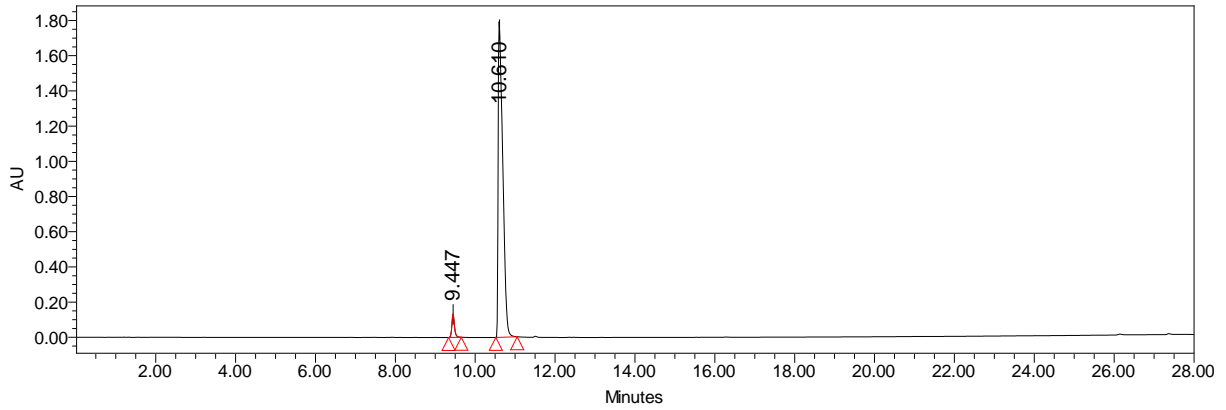
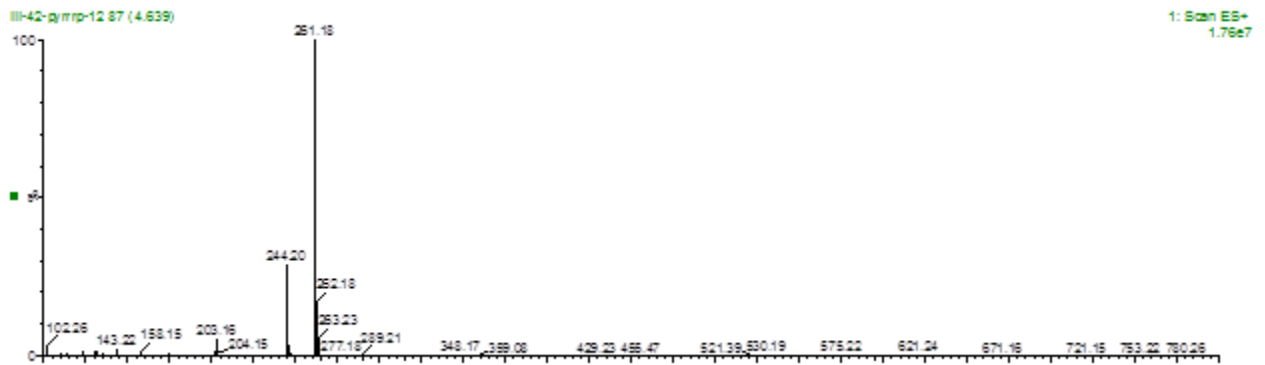
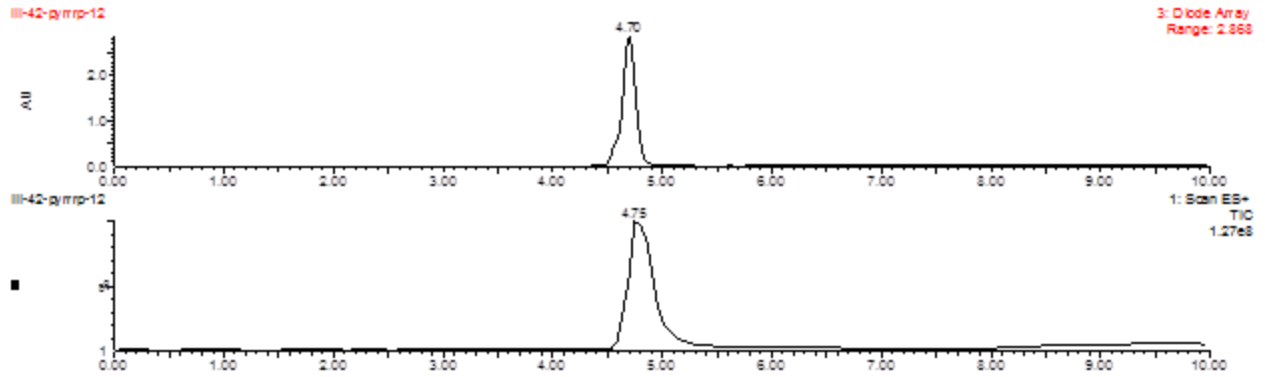
	Retention Time	% Area
1	9.986	100.00



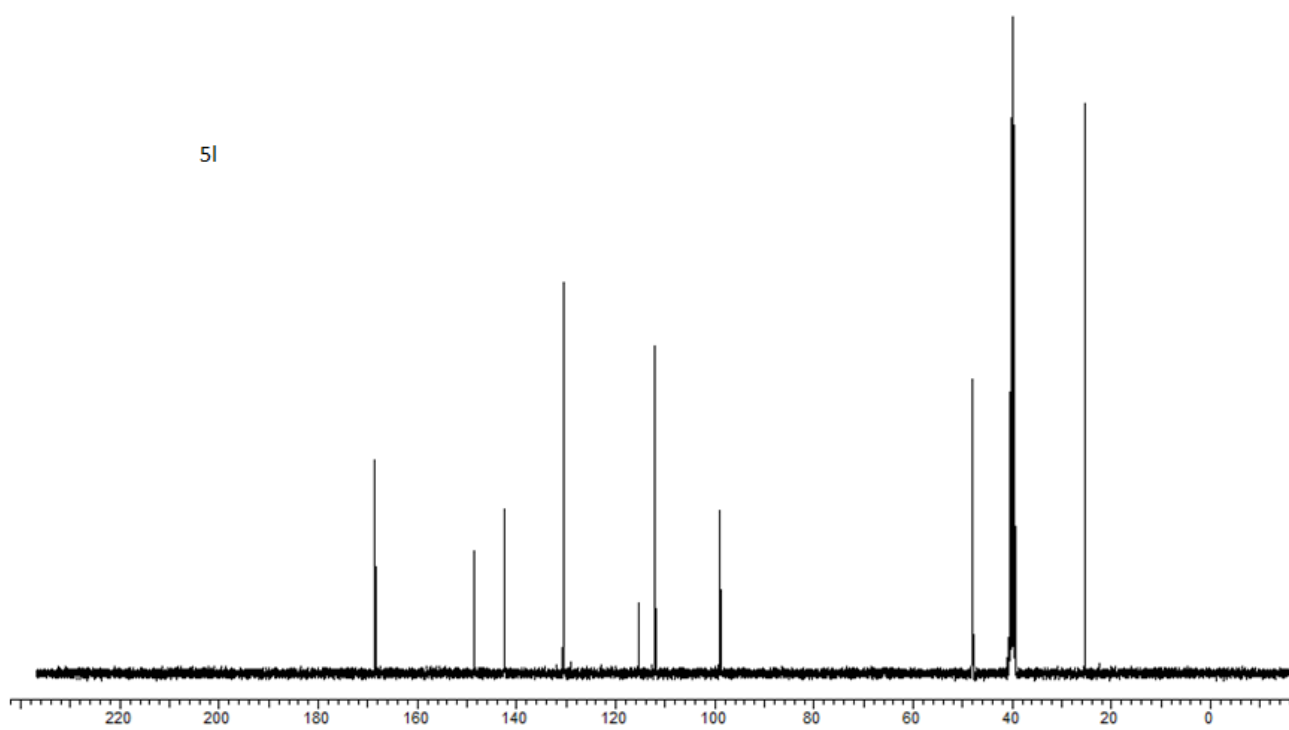
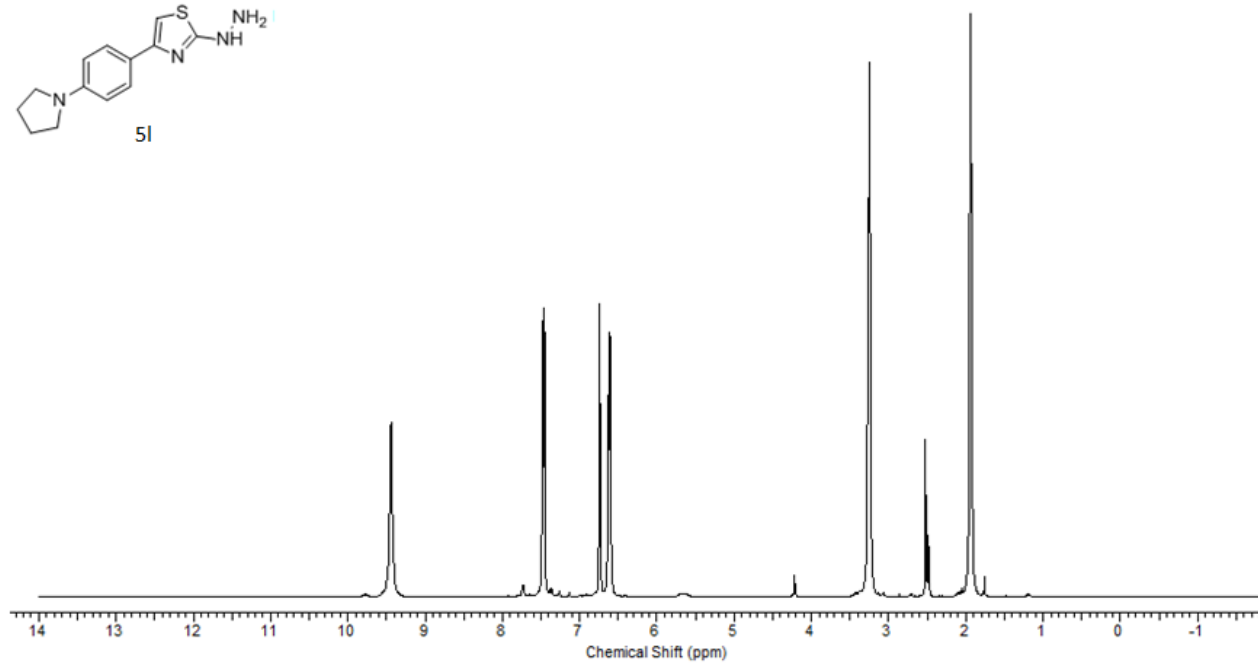
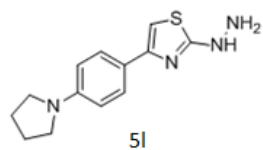
5*k



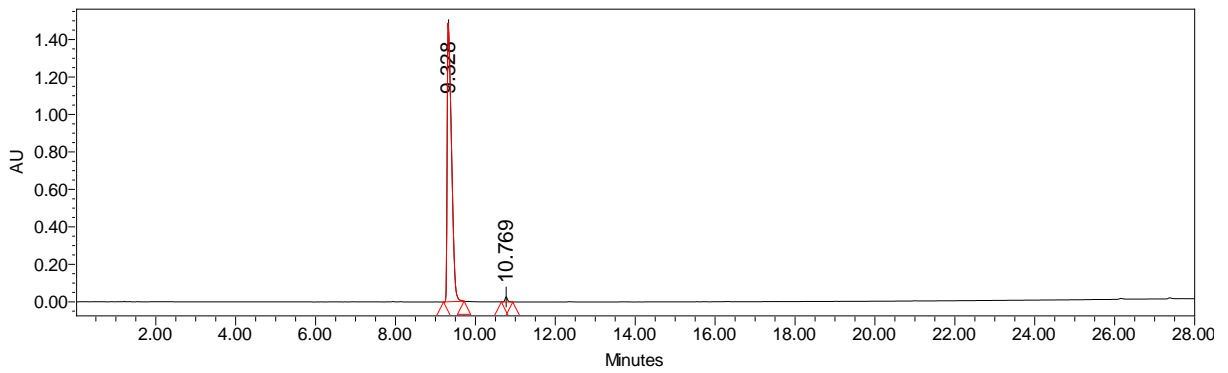
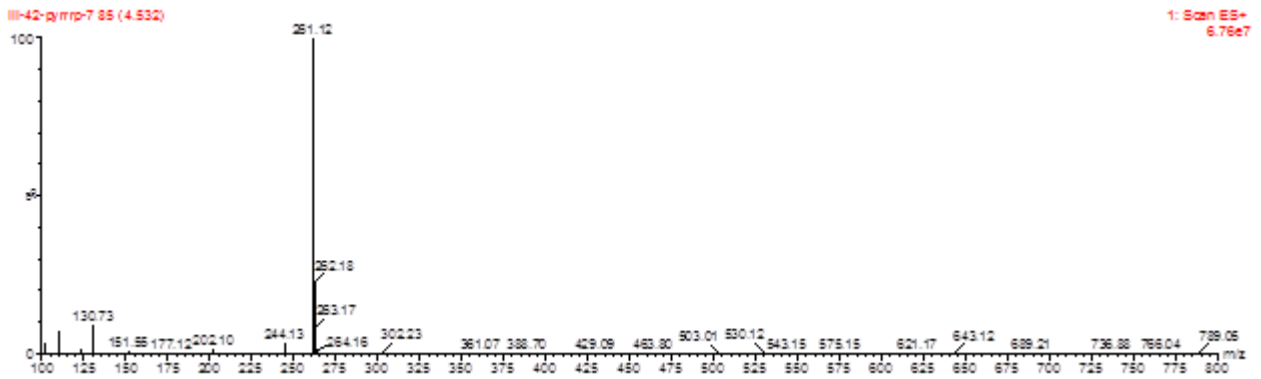
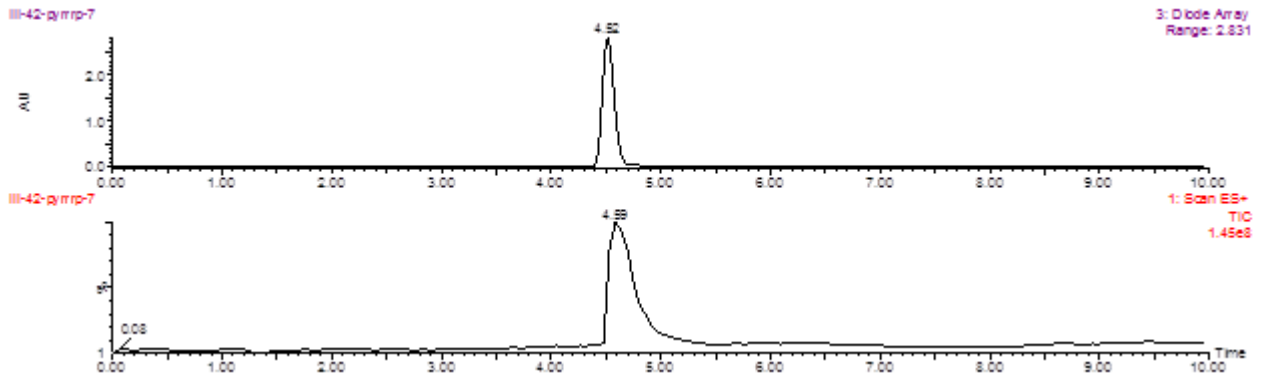
51



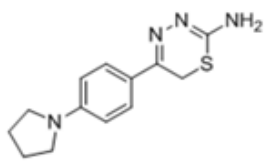
	Retention Time	% Area
1	9.447	4.09
2	10.610	95.91



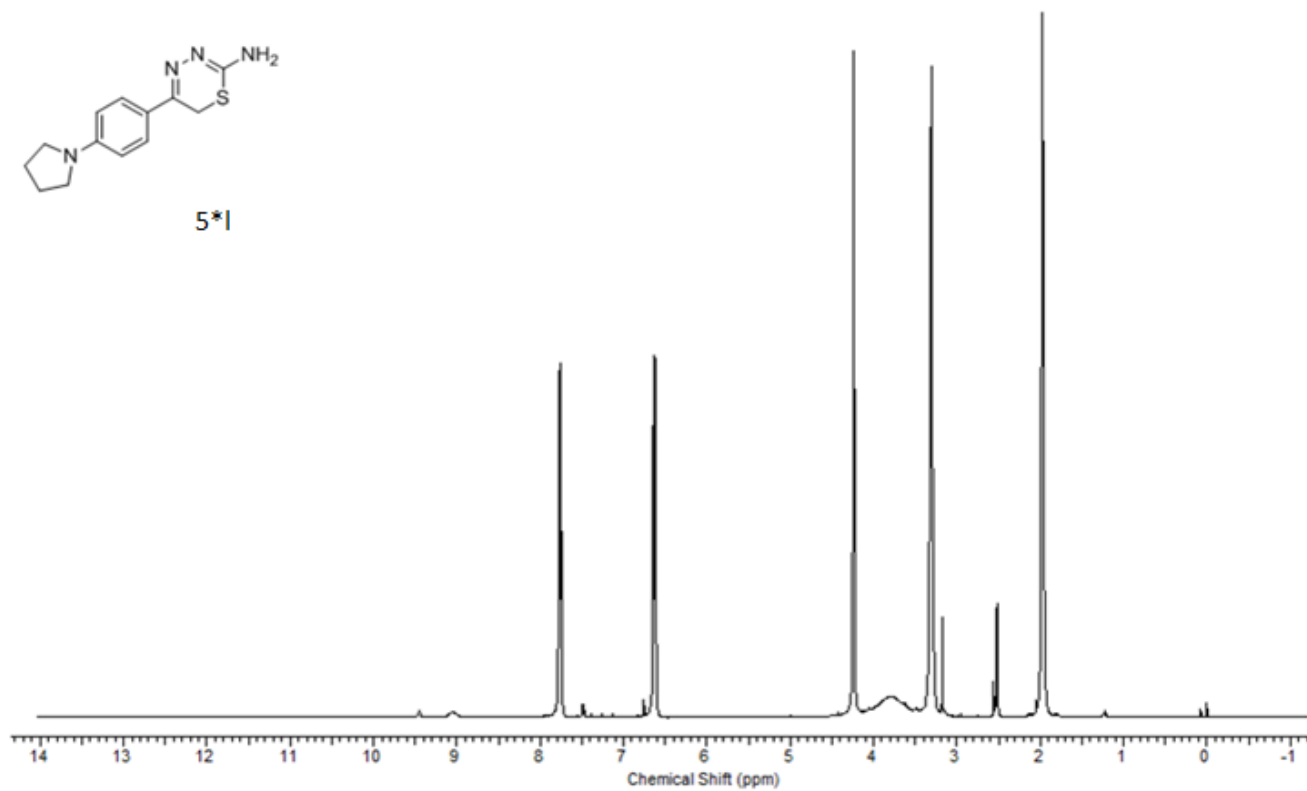
5*1



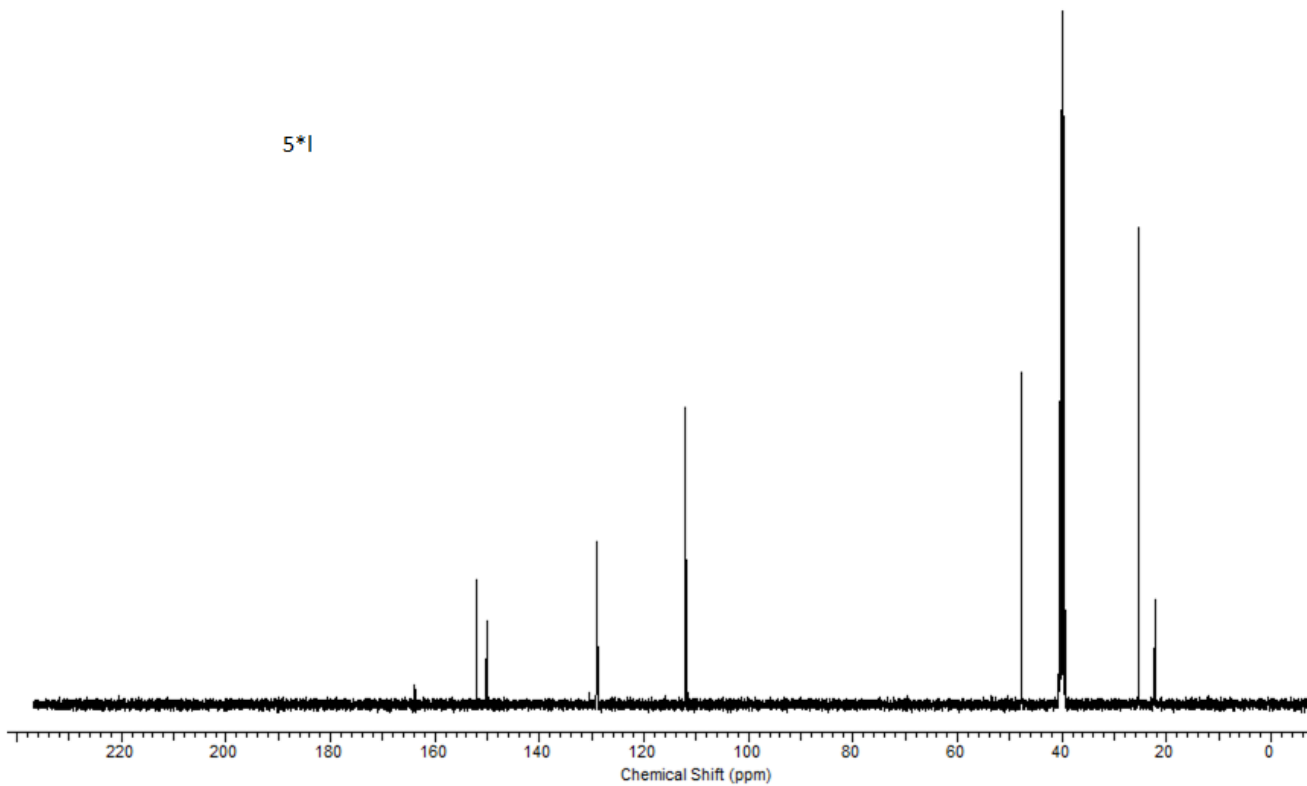
	Retention Time	% Area
1	9.328	98.95
2	10.769	1.05



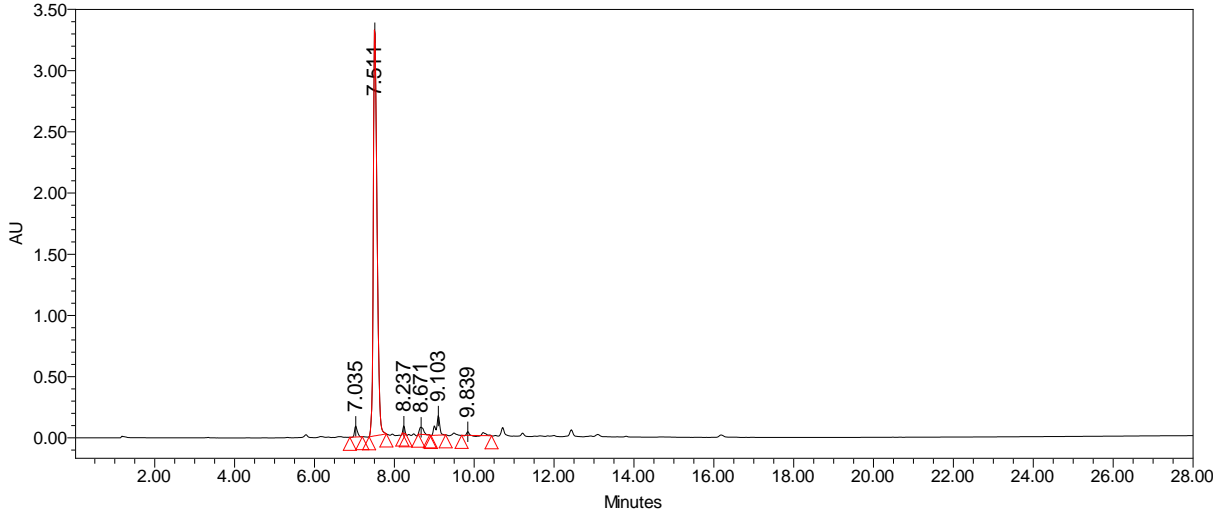
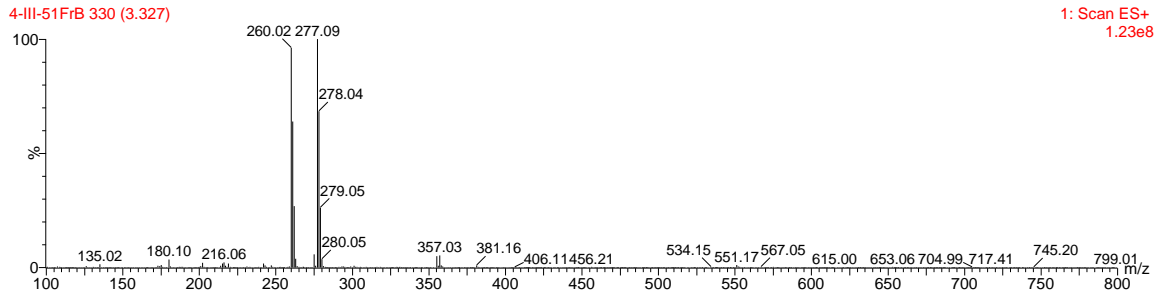
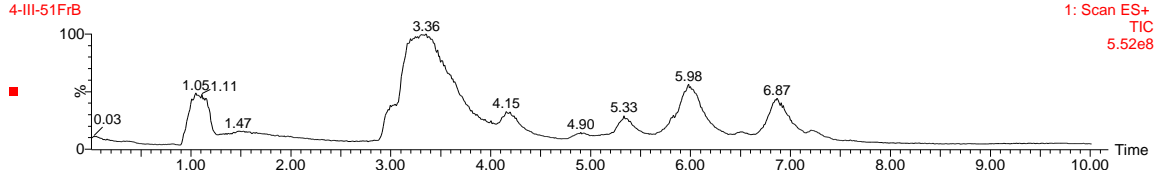
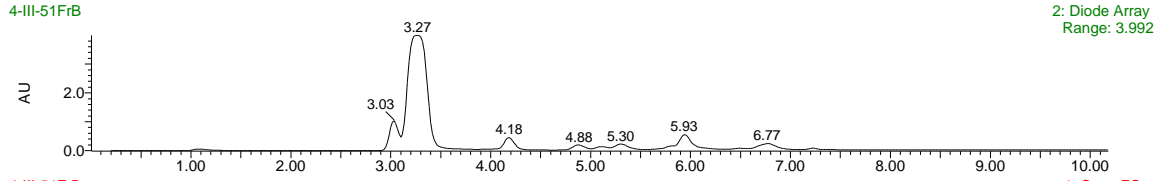
5*1



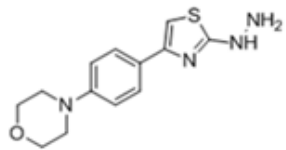
5*1



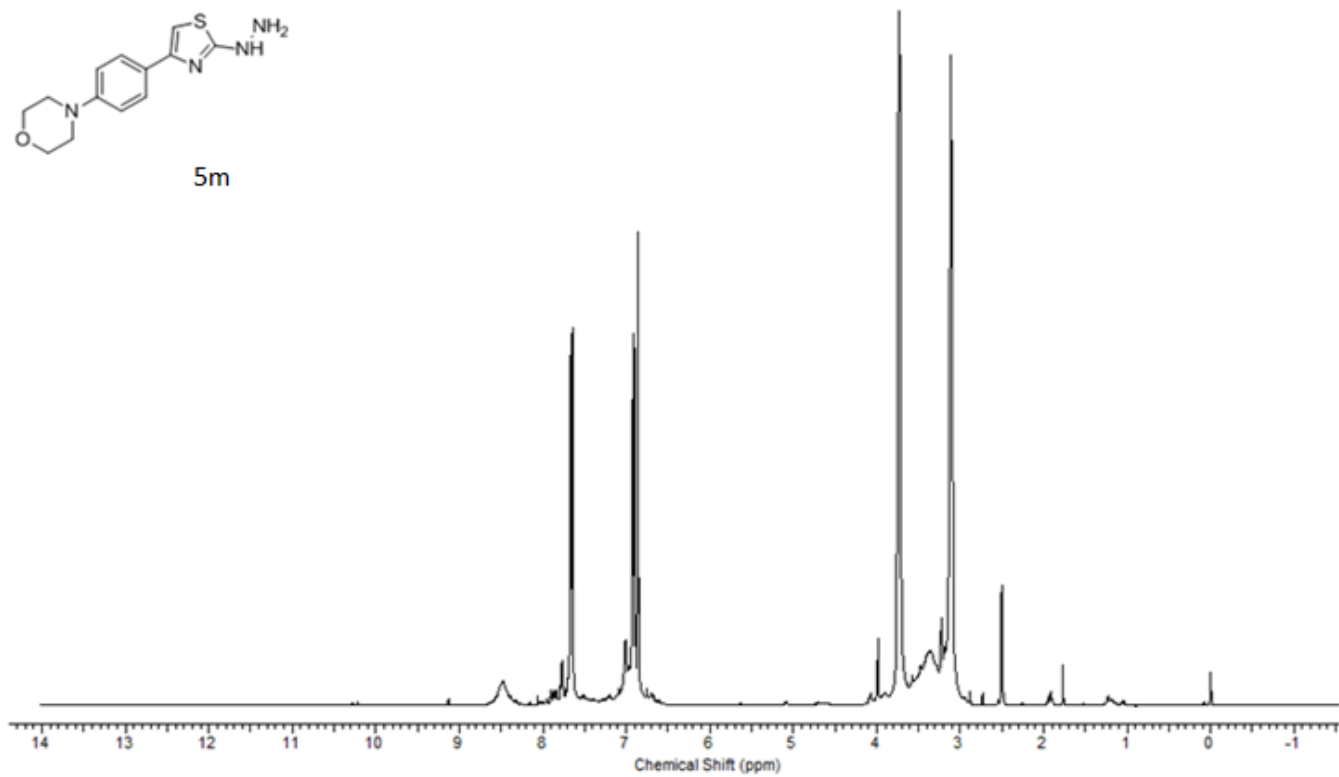
5m



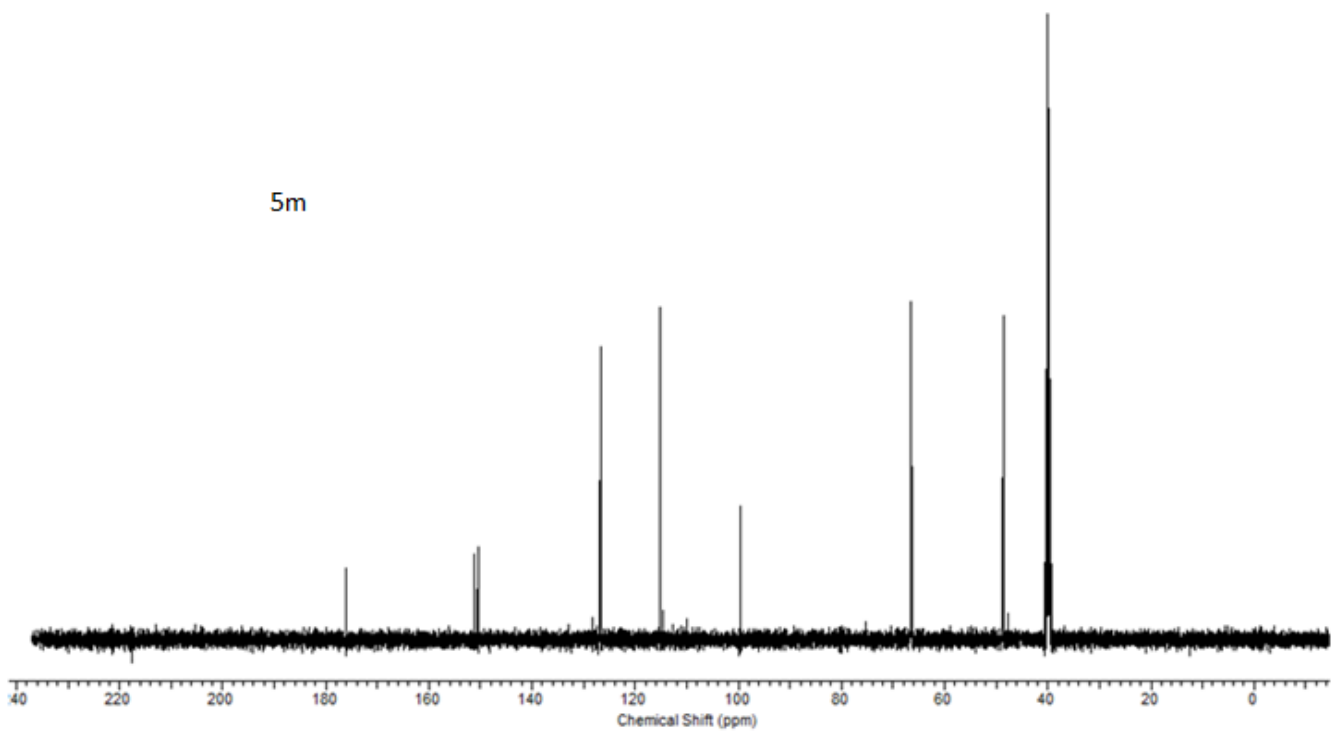
	Retention Time	% Area
1	7.035	1.85
2	7.511	89.85
3	8.237	0.71
4	8.671	1.74
5	9.103	4.24
6	9.839	1.62



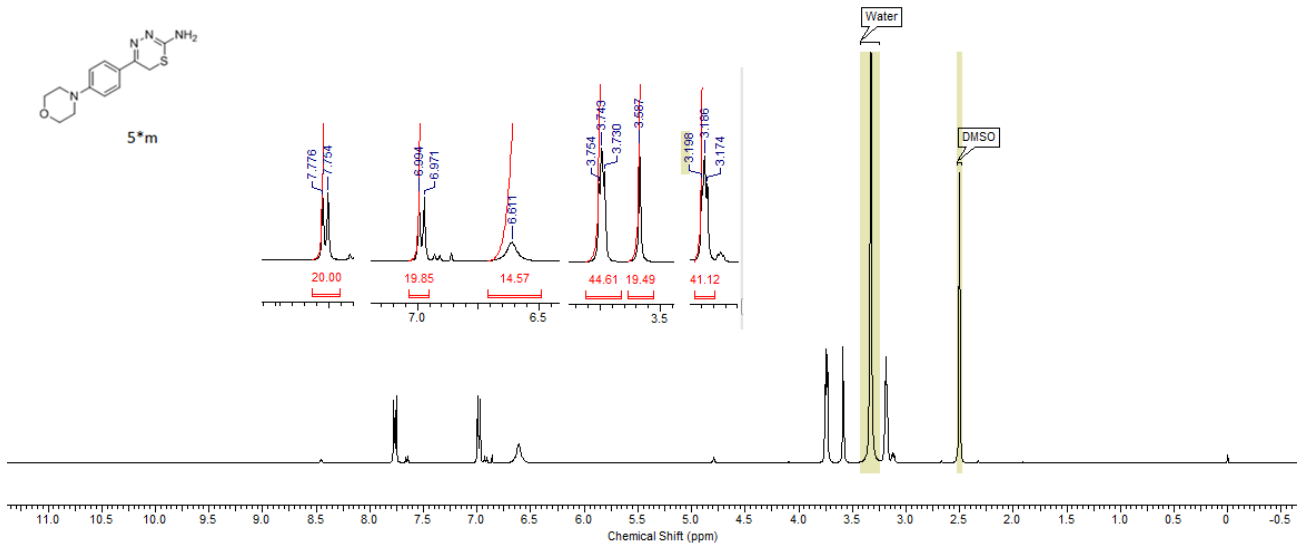
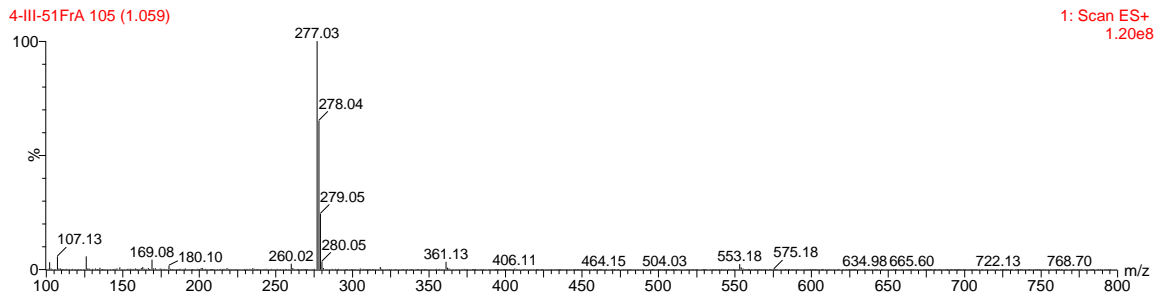
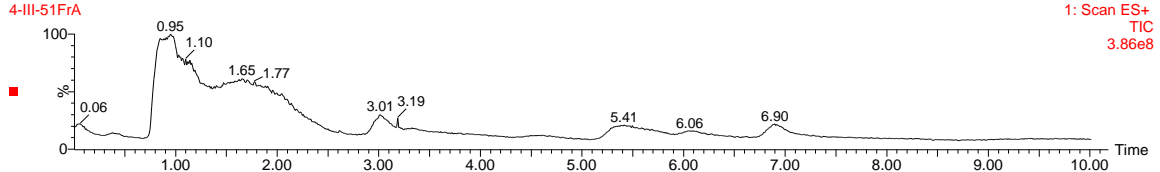
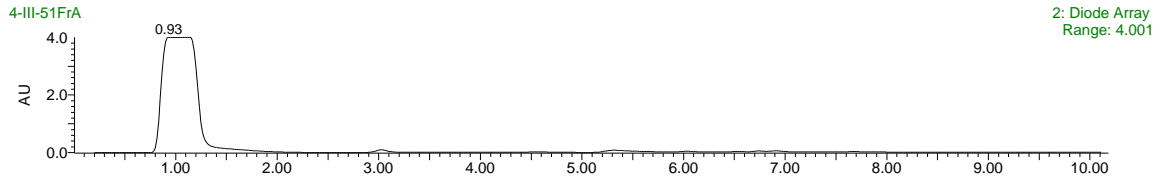
5m

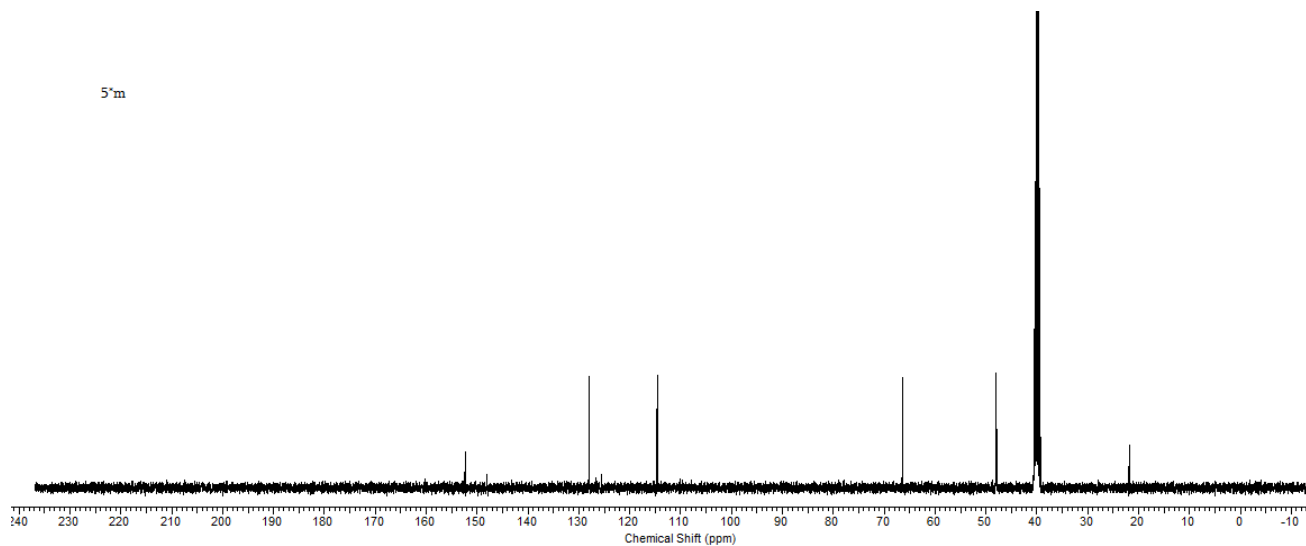


5m

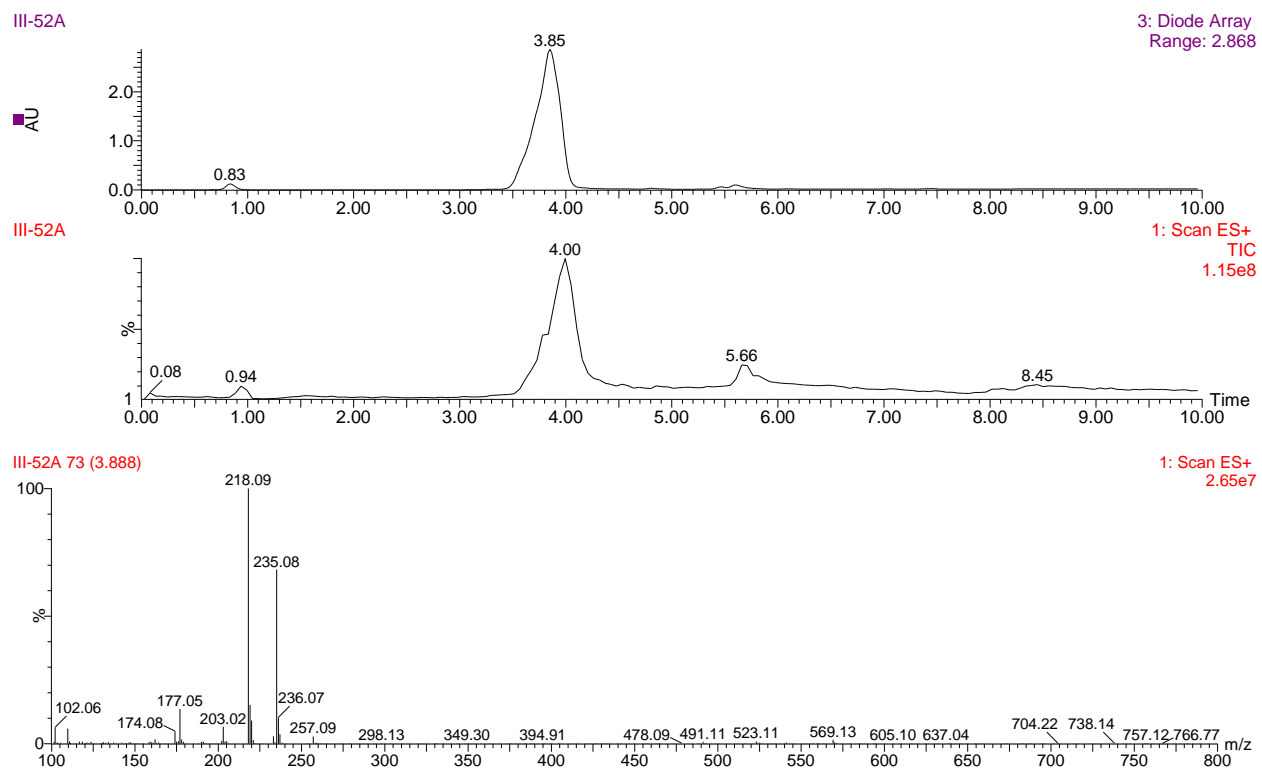


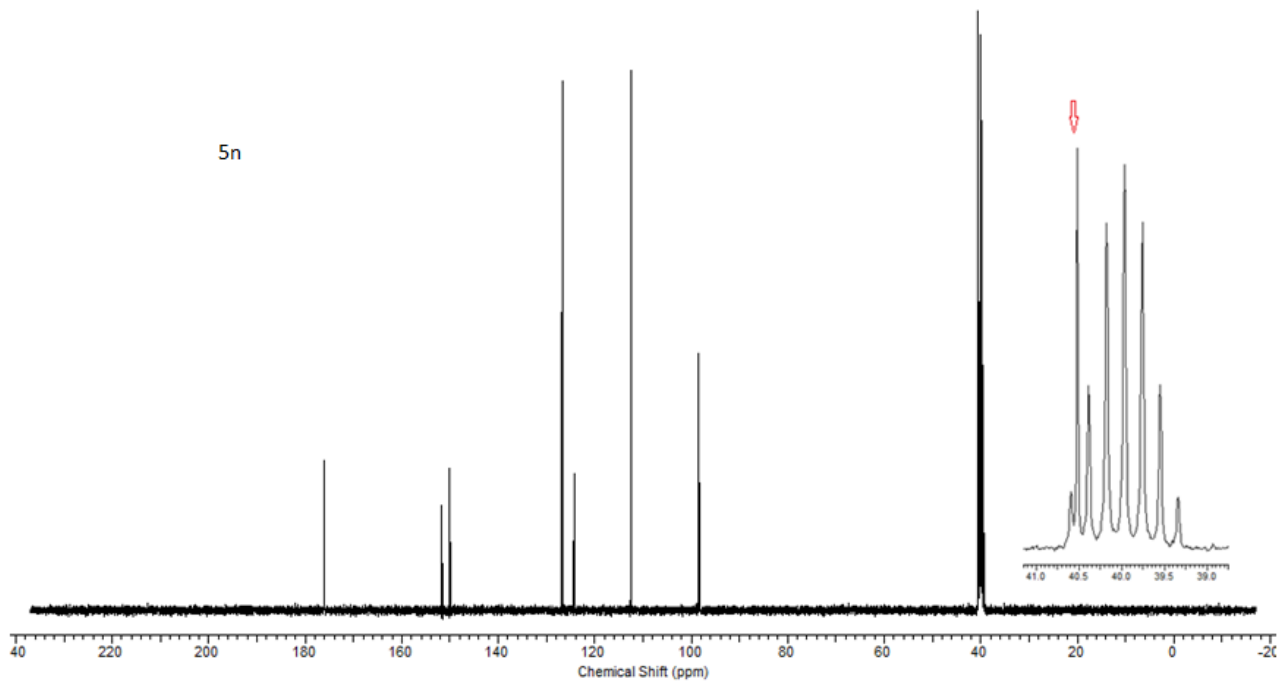
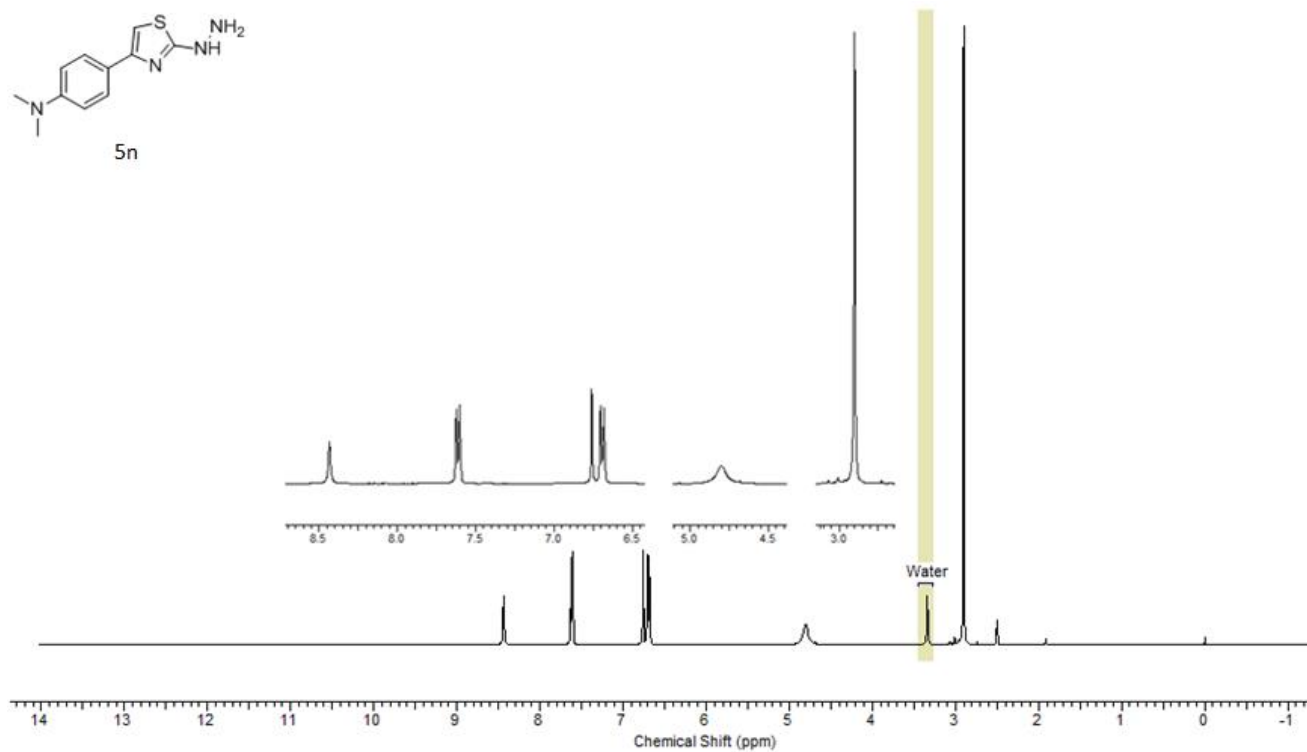
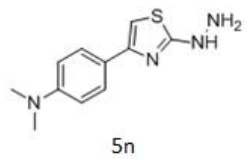
5*m





5n

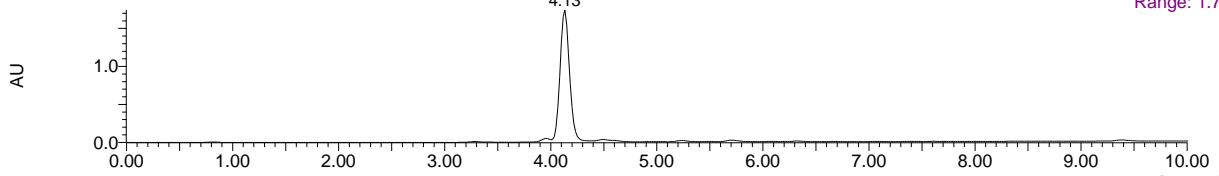




50

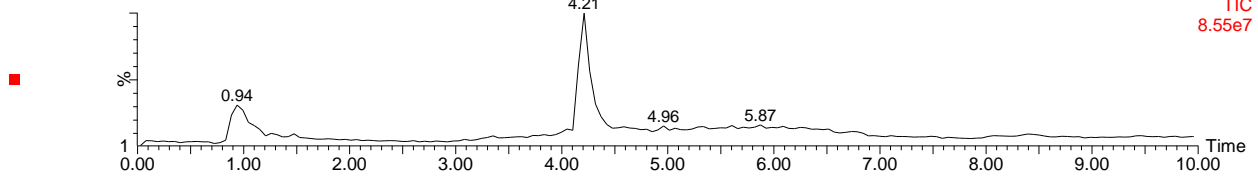
III-101-thiazole-dil3

3: Diode Array
Range: 1.744



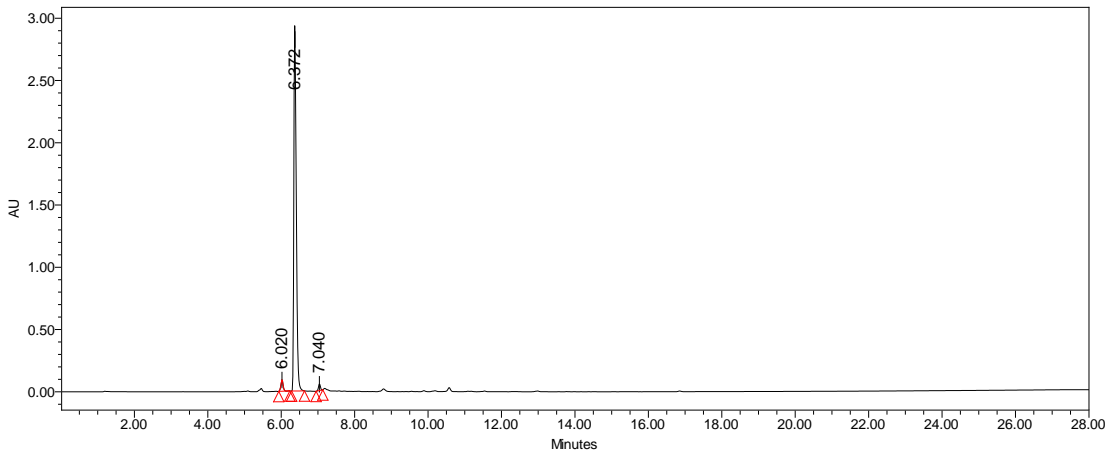
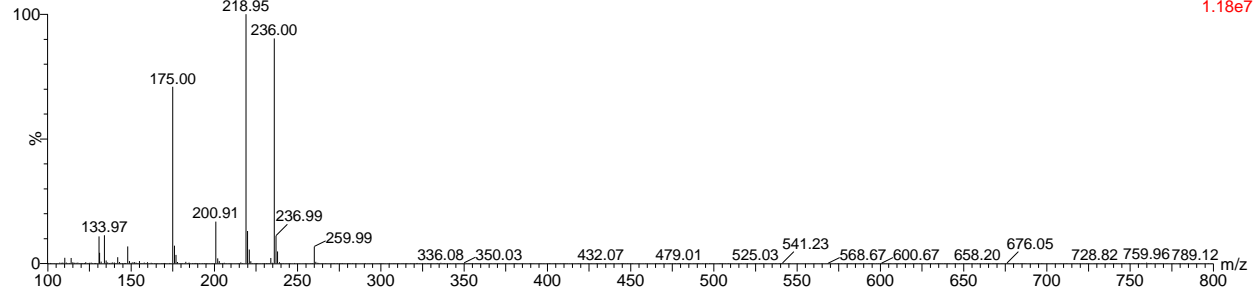
III-101-thiazole-dil3

1: Scan ES+
TIC
8.55e7

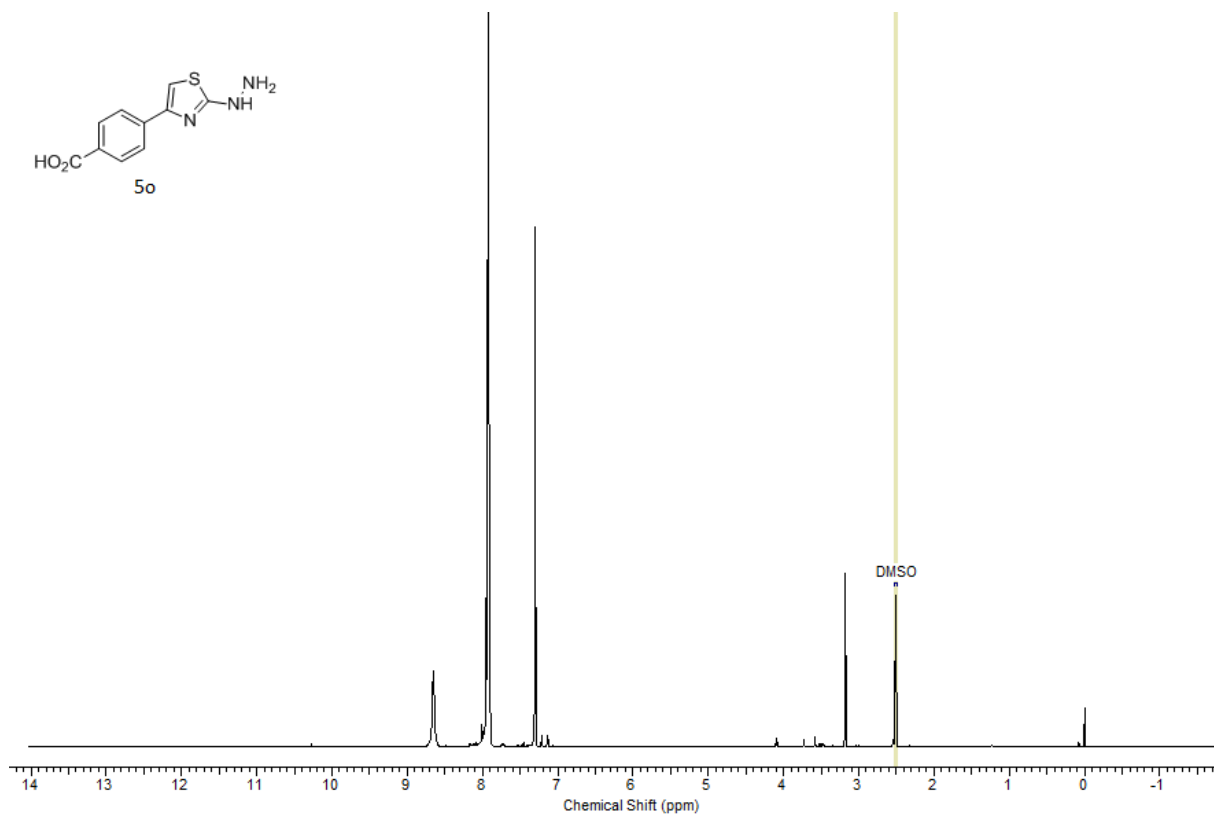
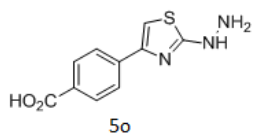


III-101-thiazole-dil3 80 (4.264)

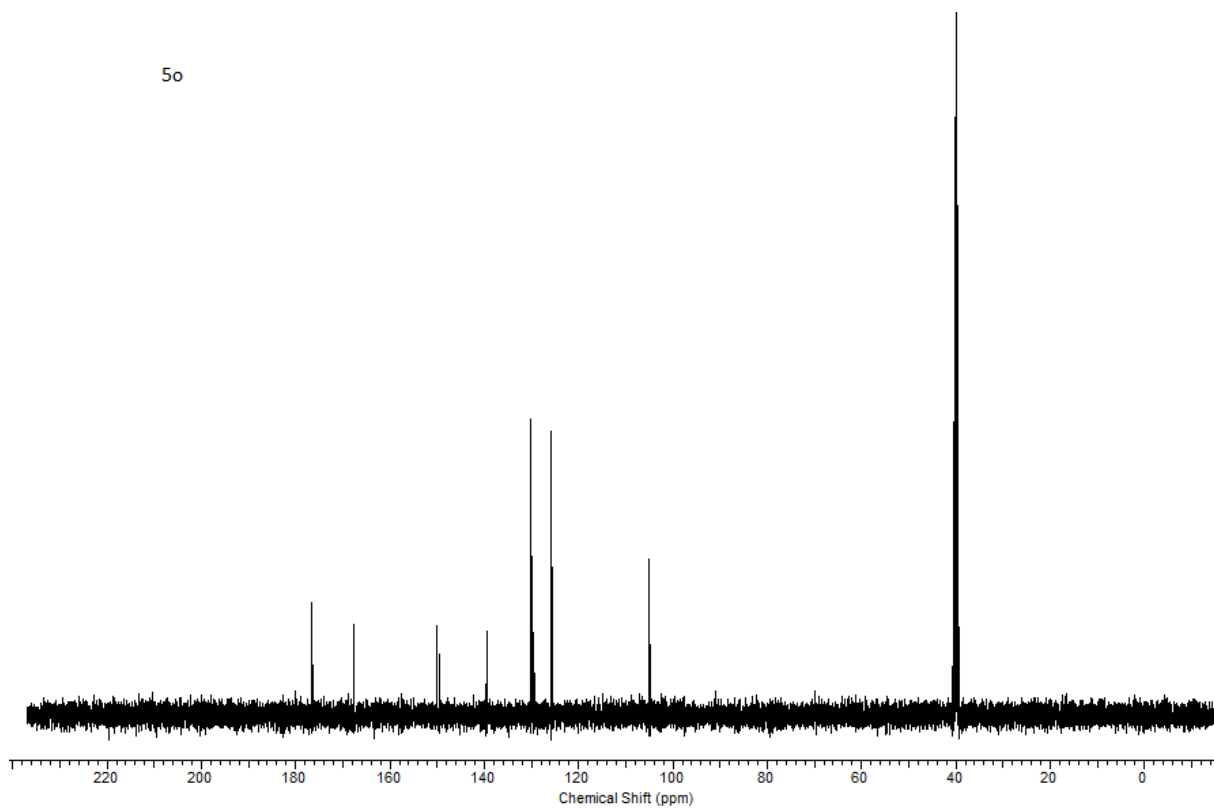
1: Scan ES+
1.18e7



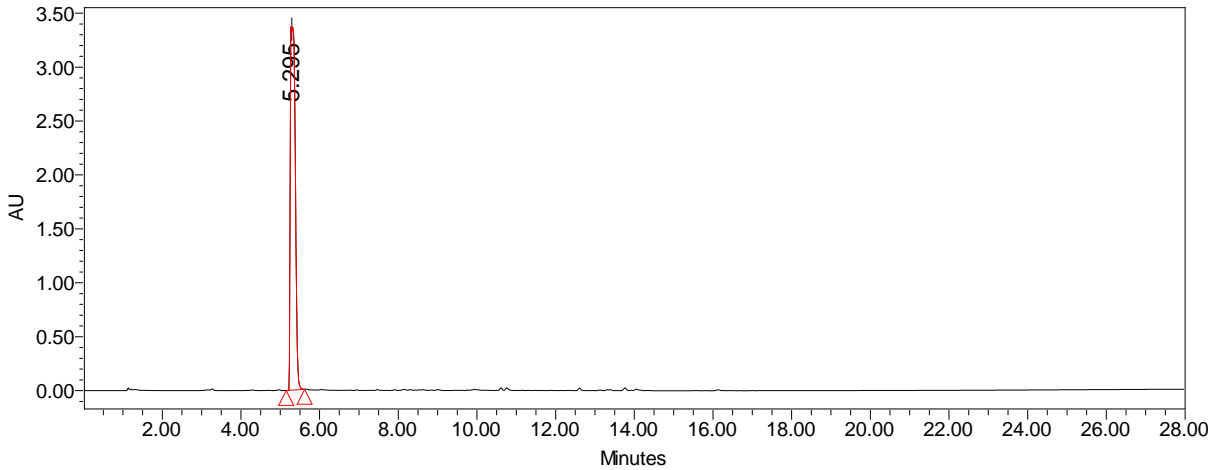
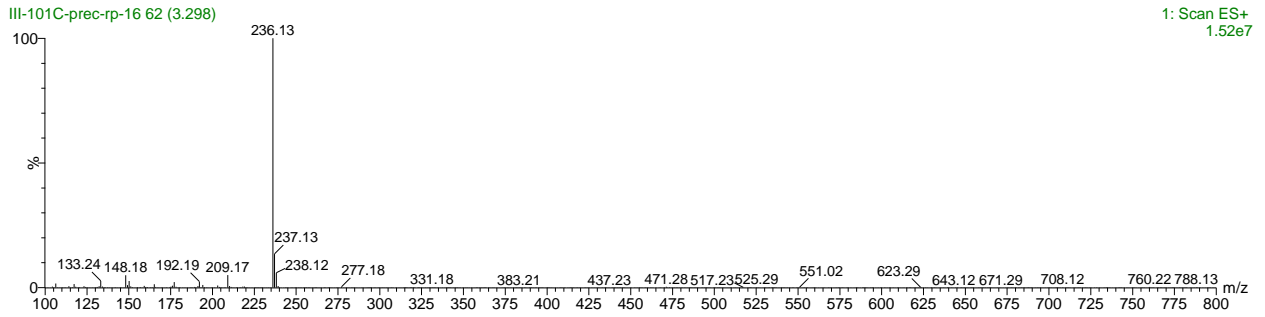
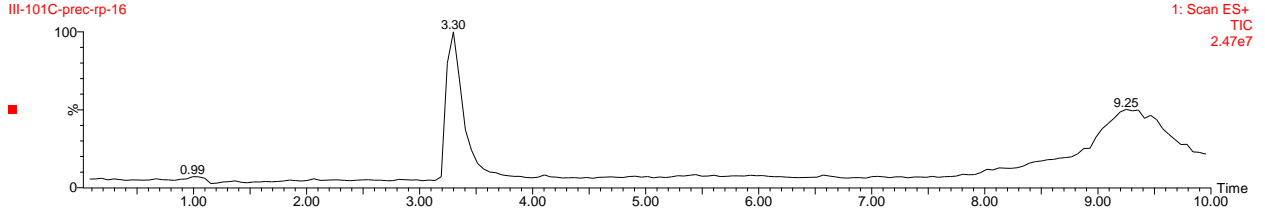
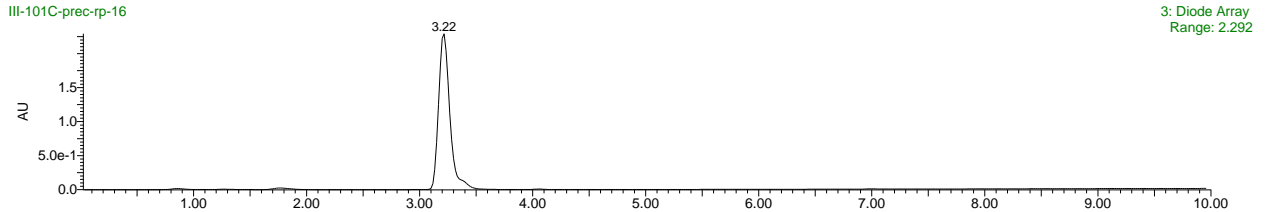
	Retention Time	% Area
1	6.020	2.76
2	6.372	95.88
3	7.040	1.36



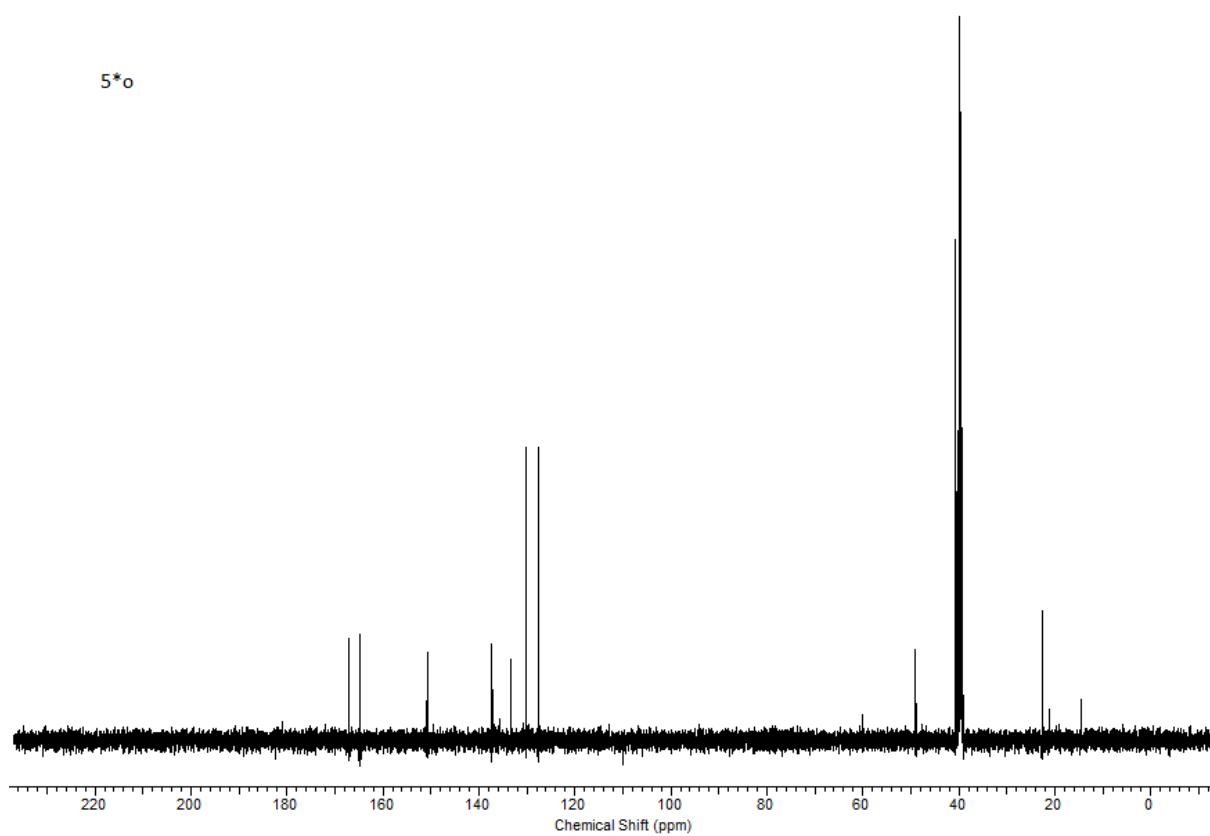
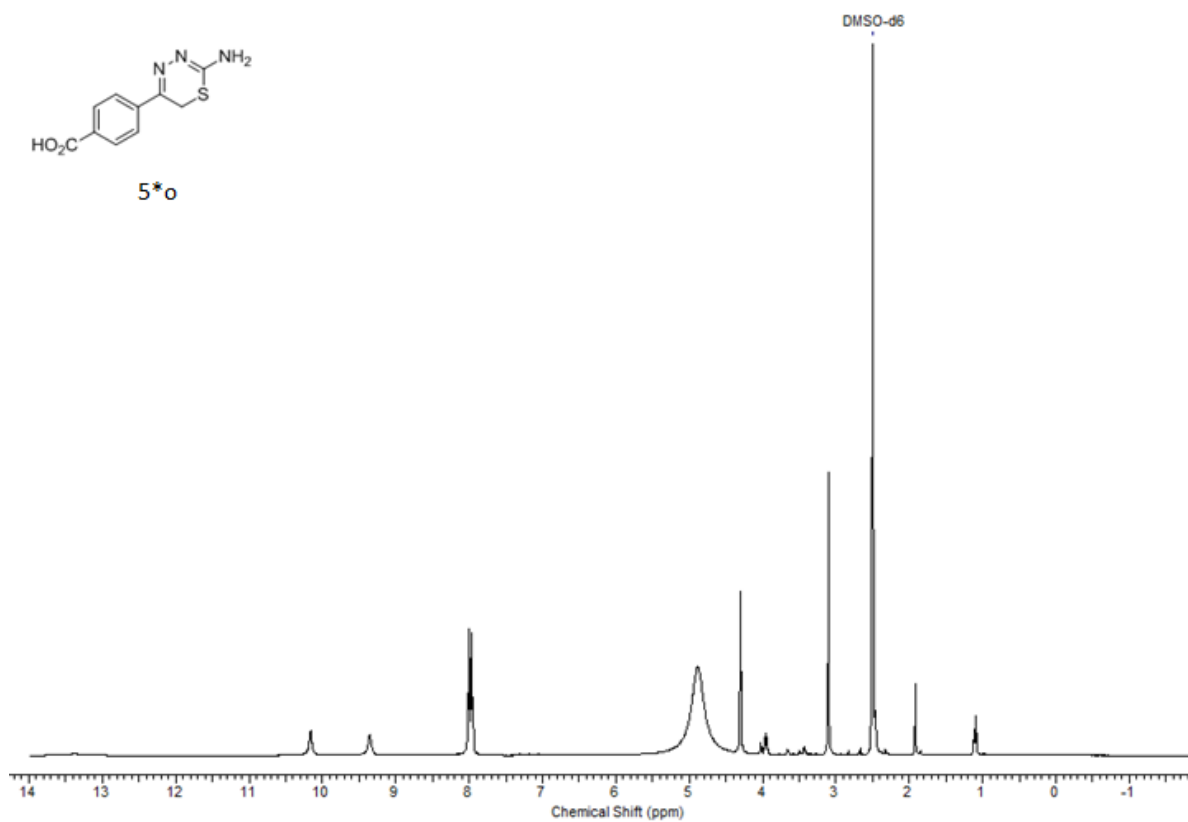
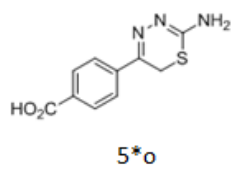
5o



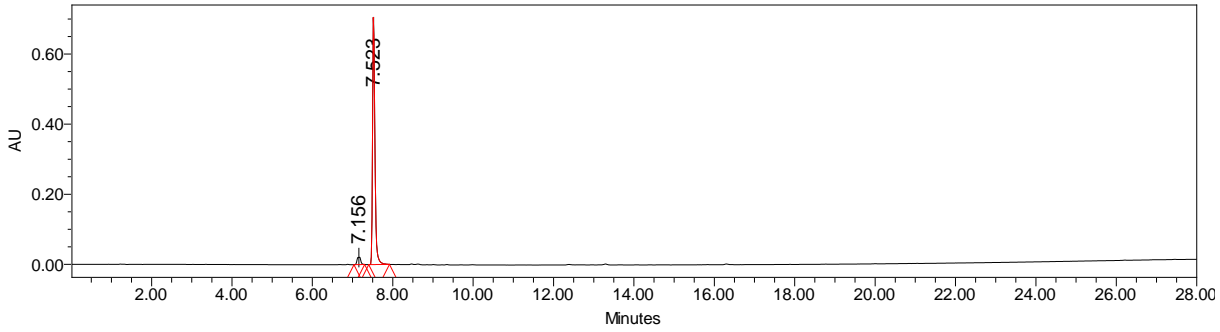
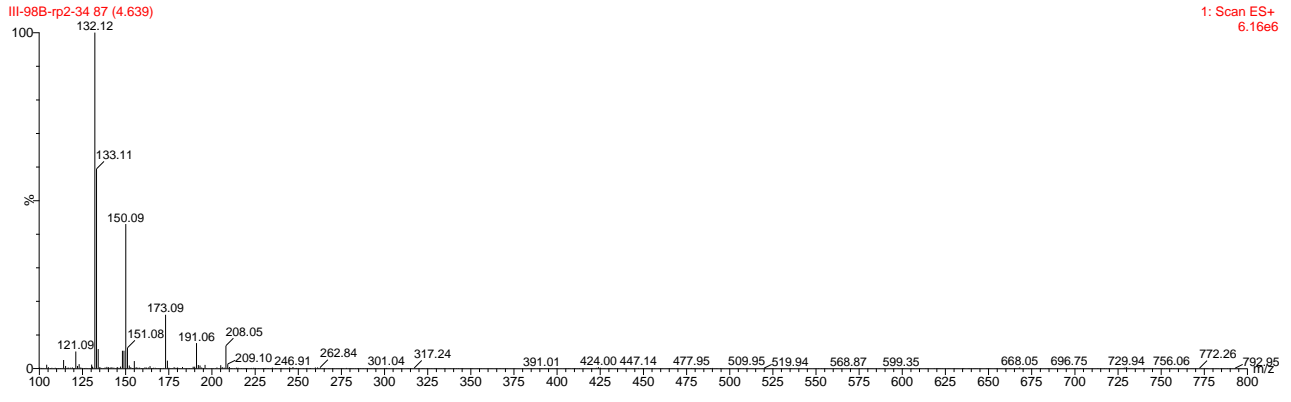
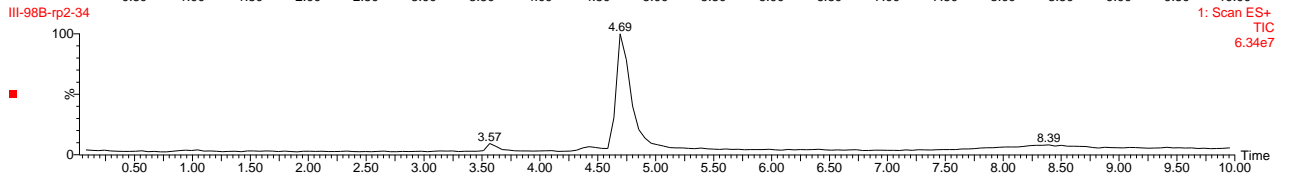
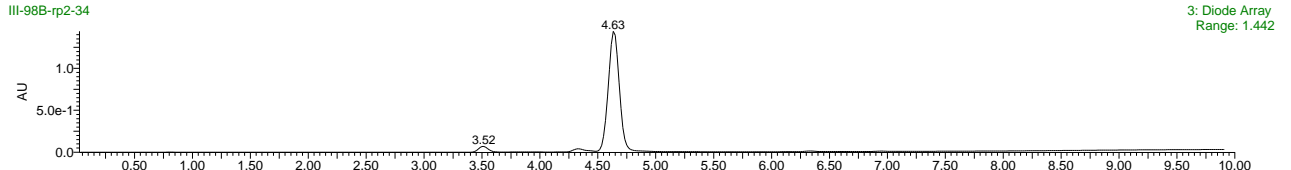
5*o



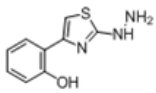
Retention Time	% Area
5.295	100.00



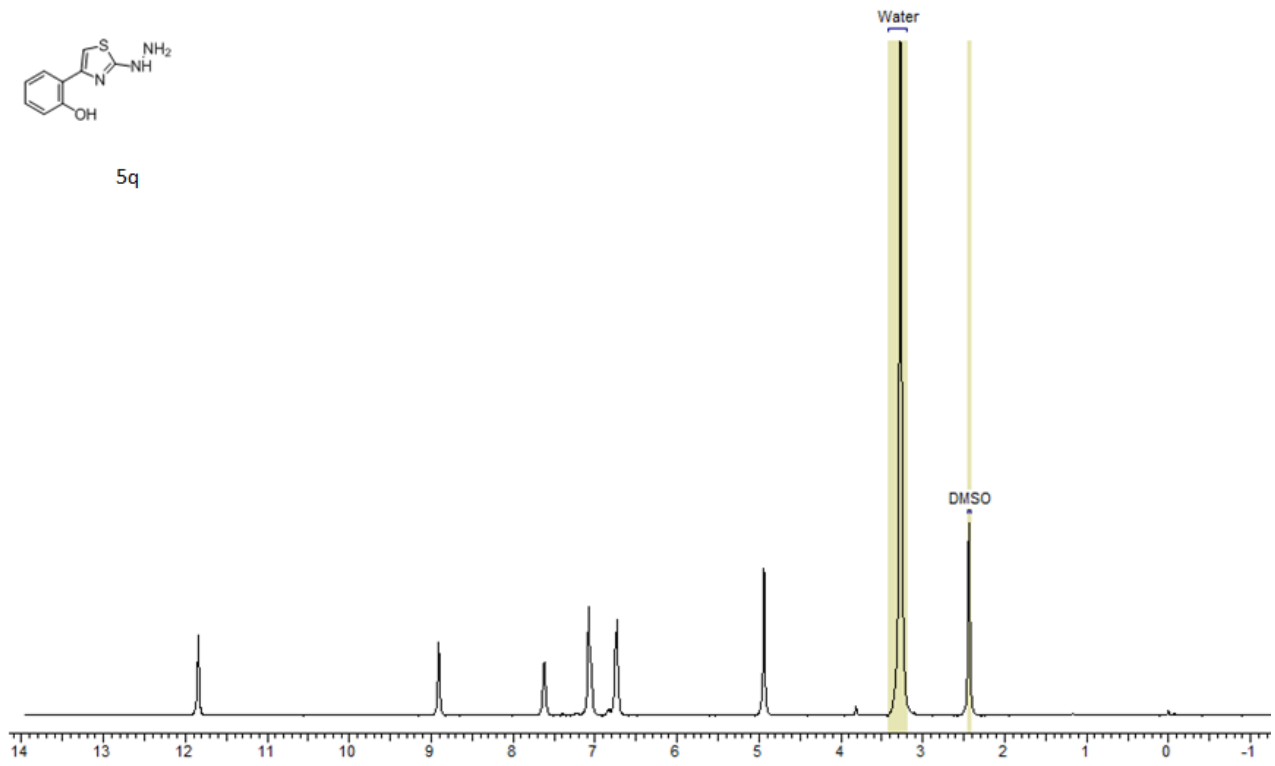
5q



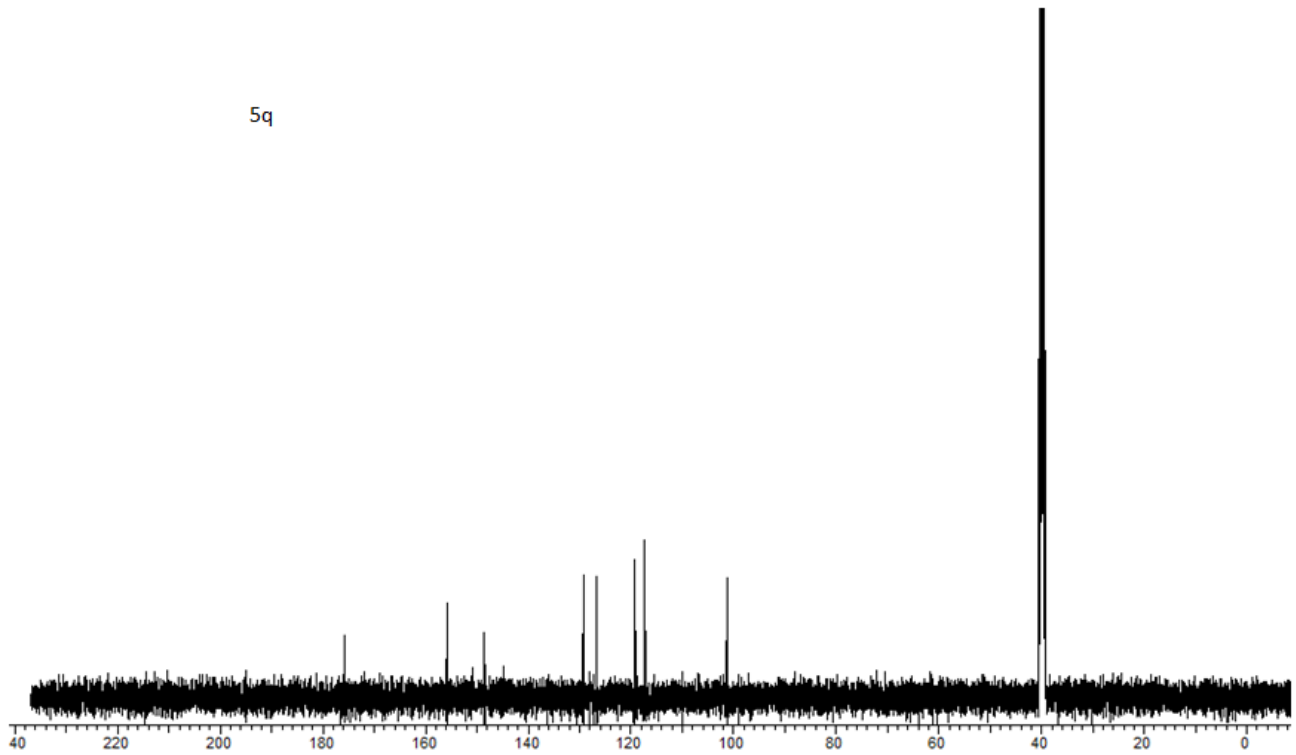
	Retention Time	% Area
1	7.156	4.42
2	7.523	95.58



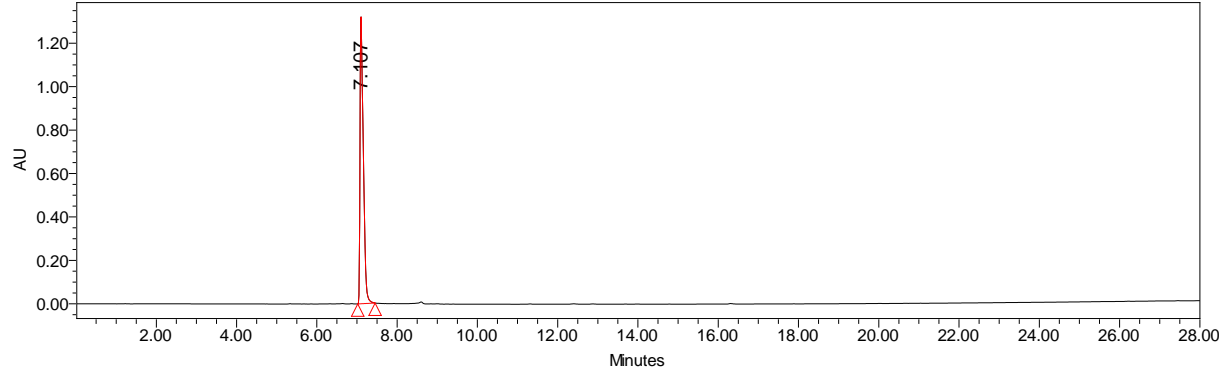
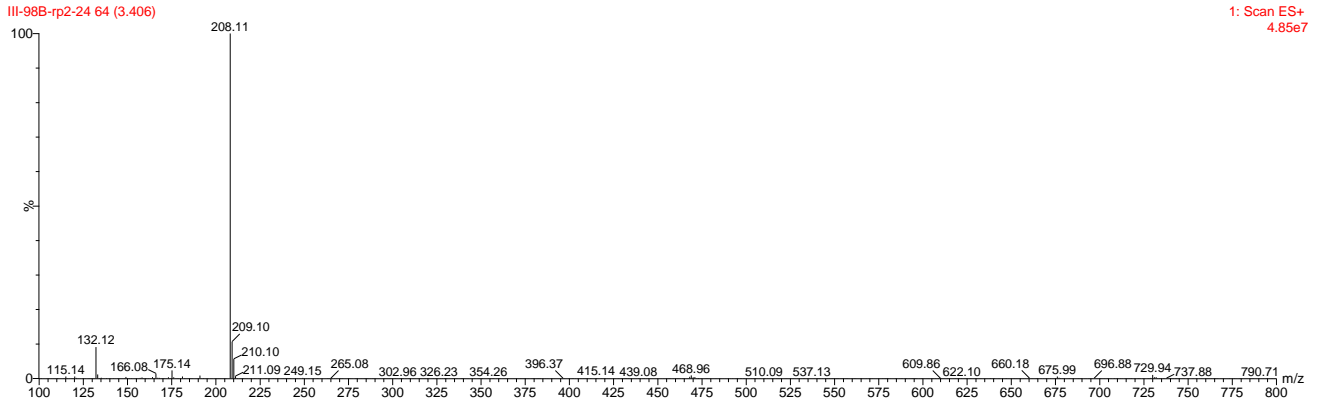
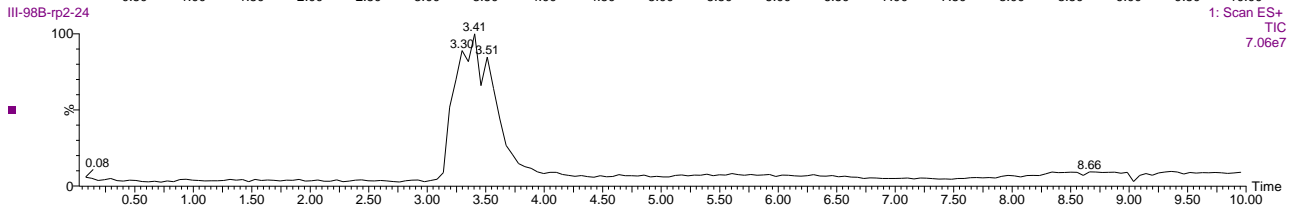
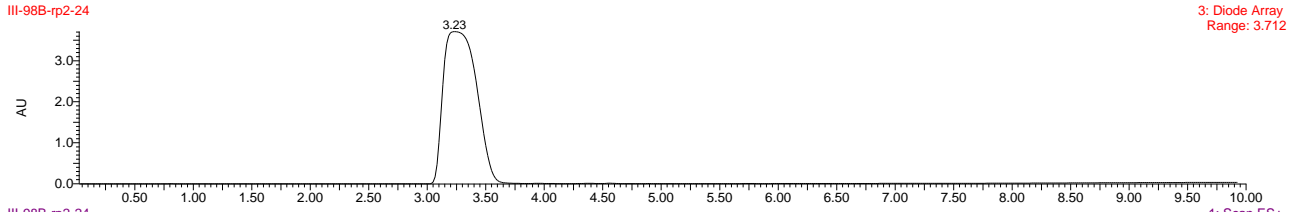
5q



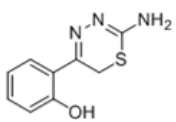
5q



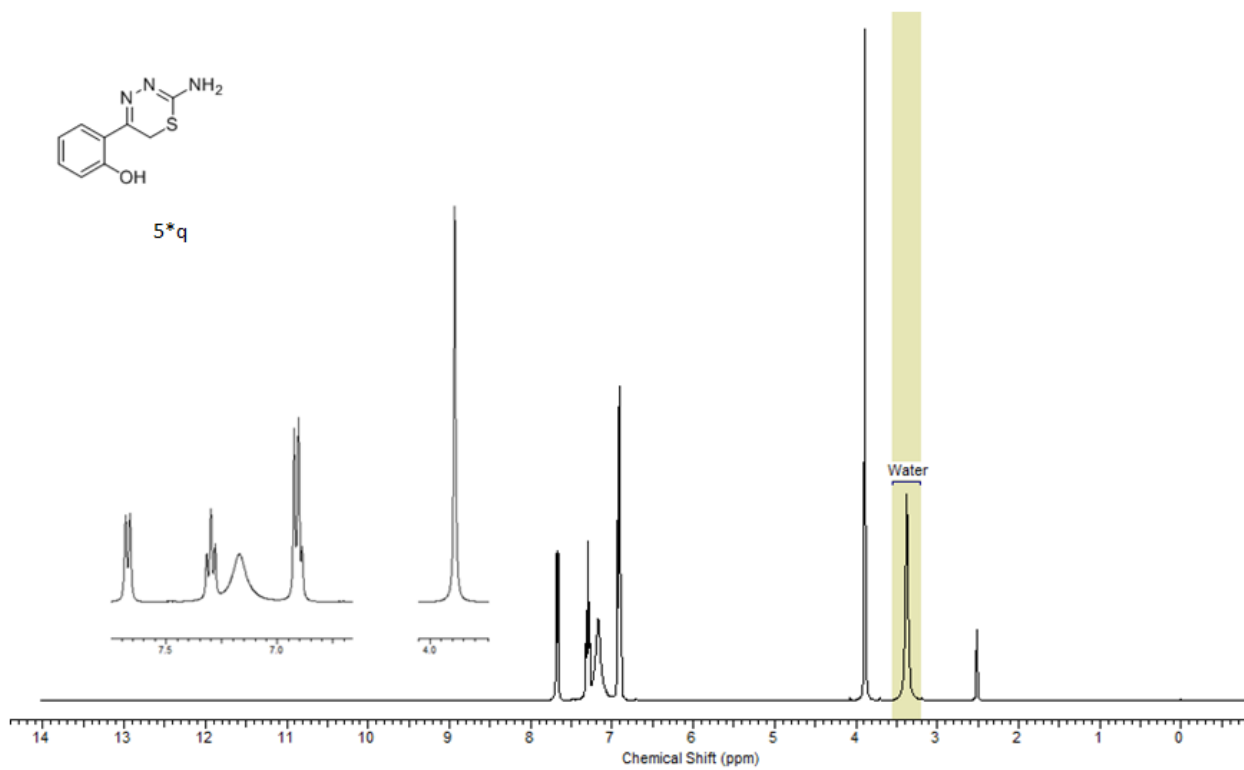
5*q



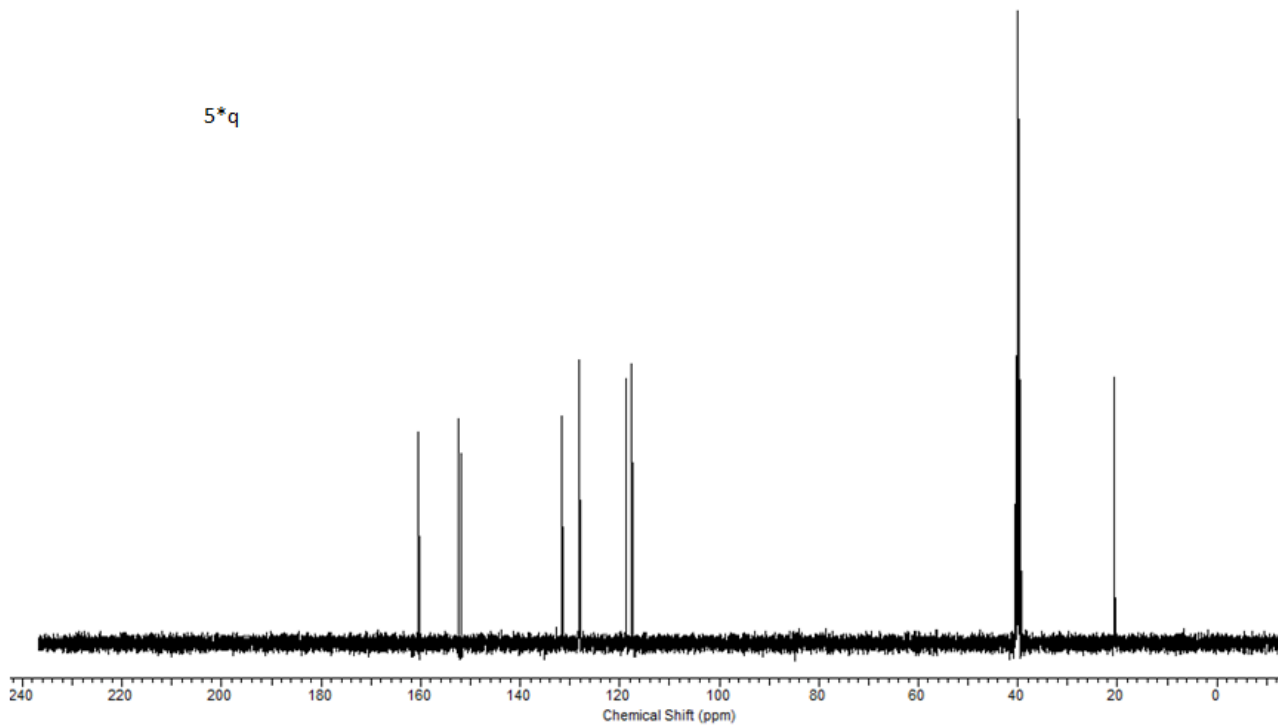
	Retention Time	% Area
1	7.107	100.00



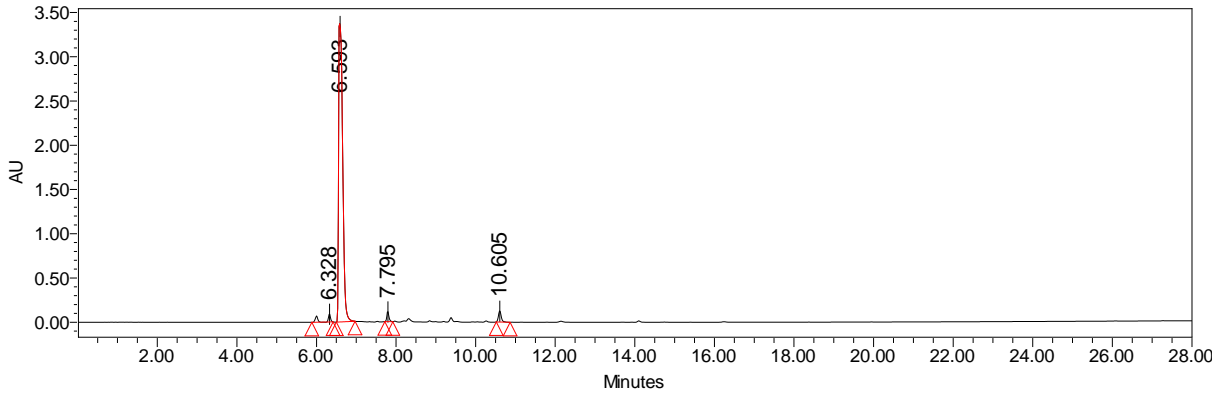
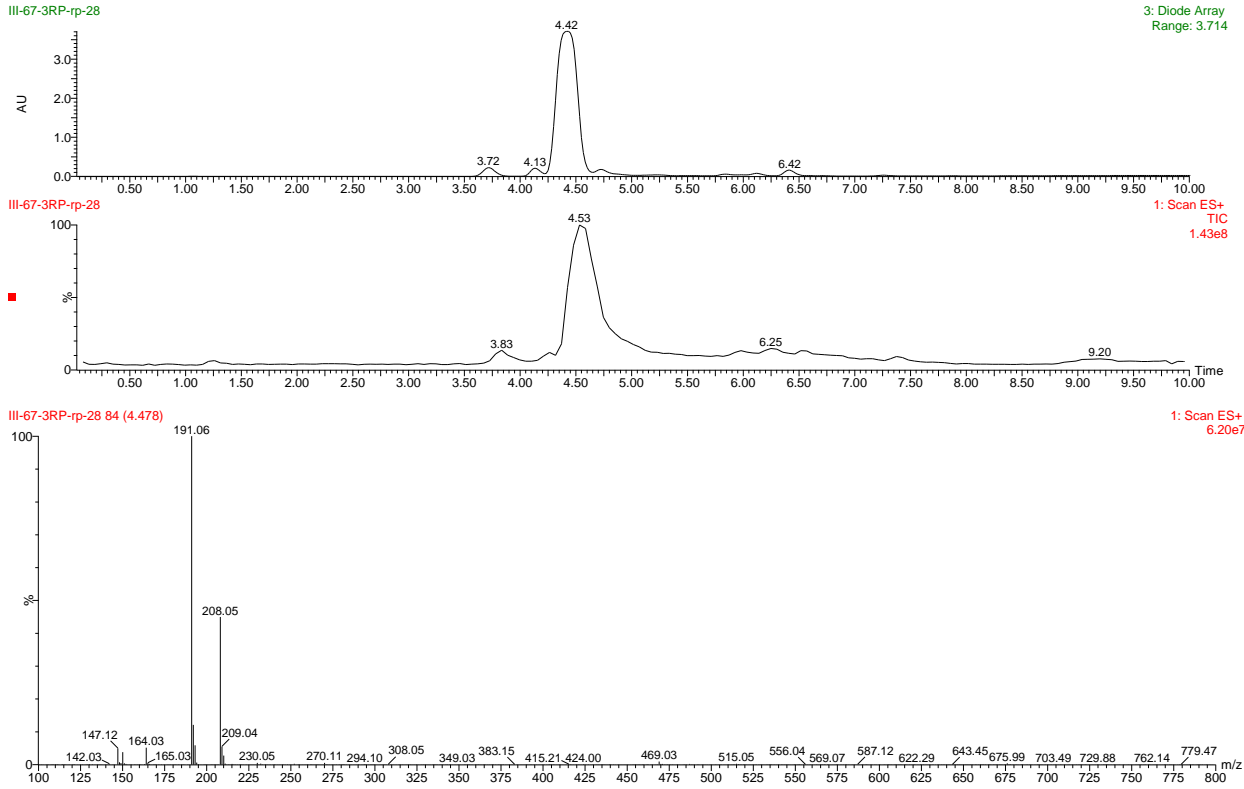
5*q



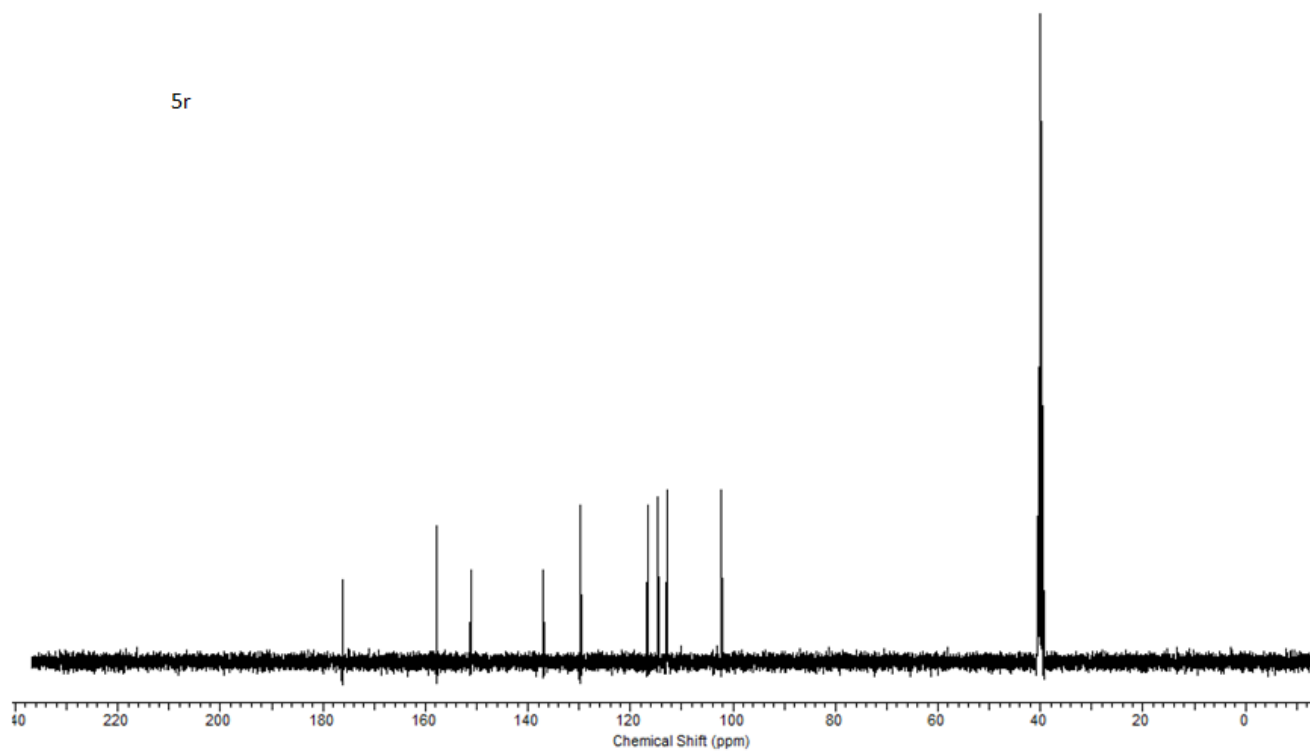
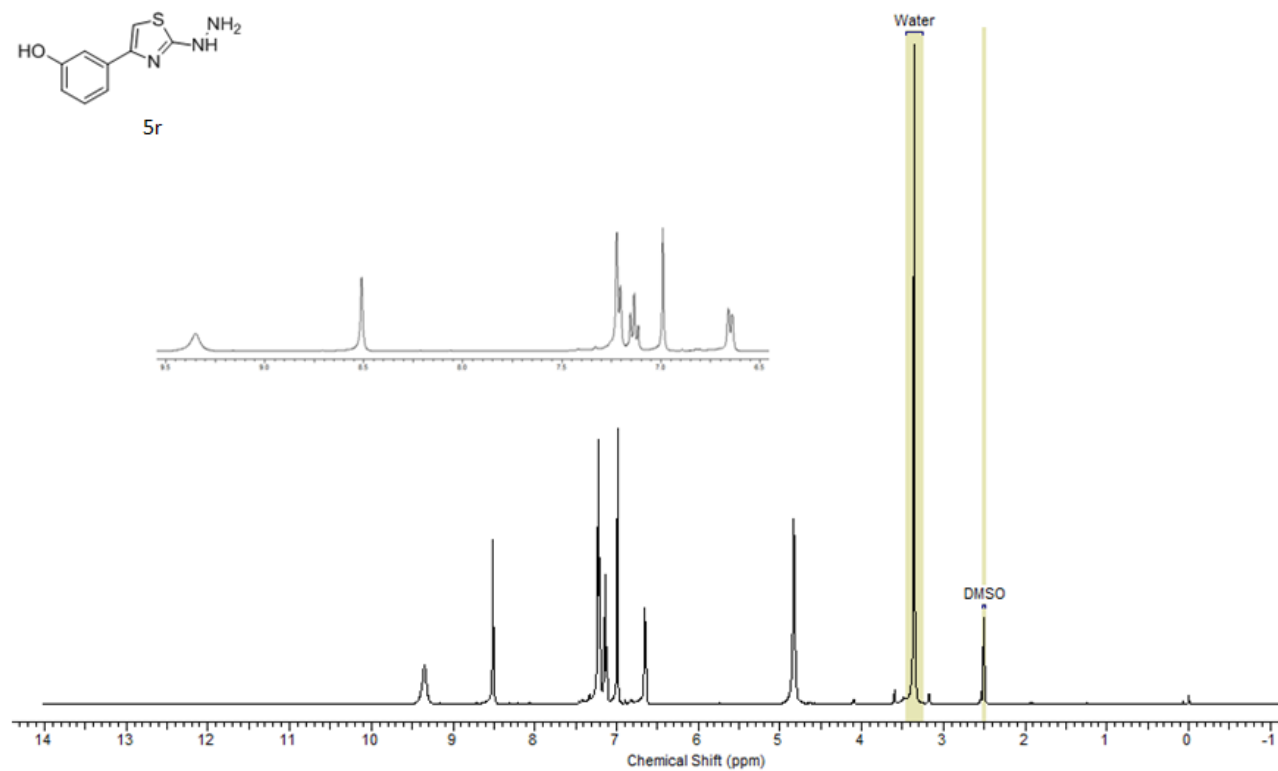
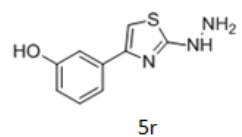
5*q



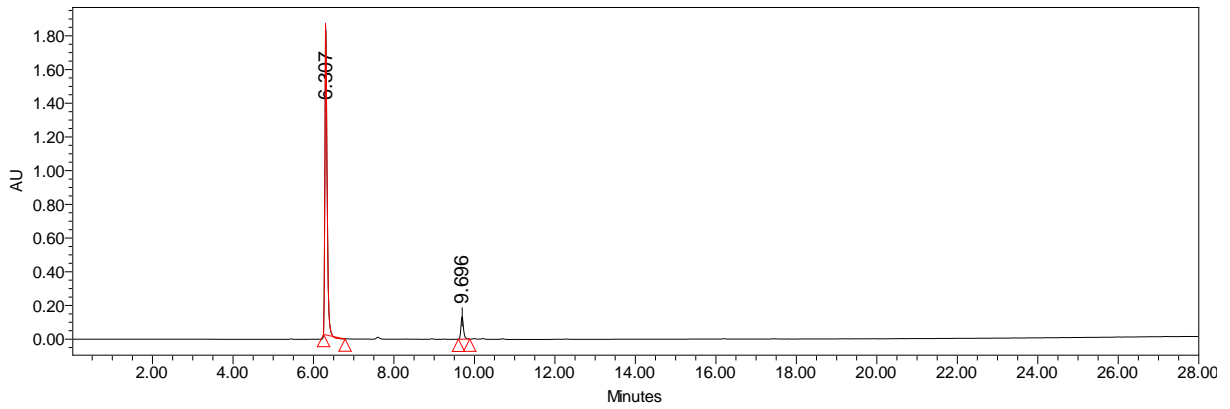
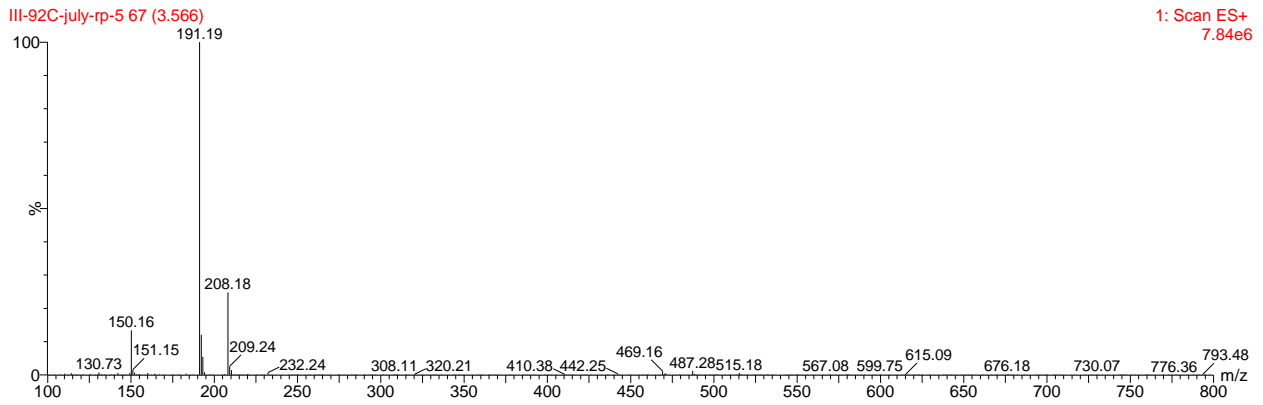
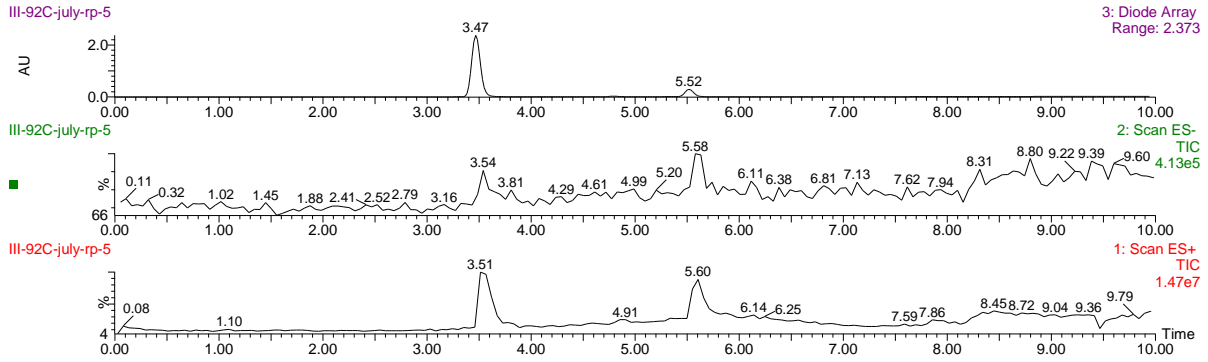
5r



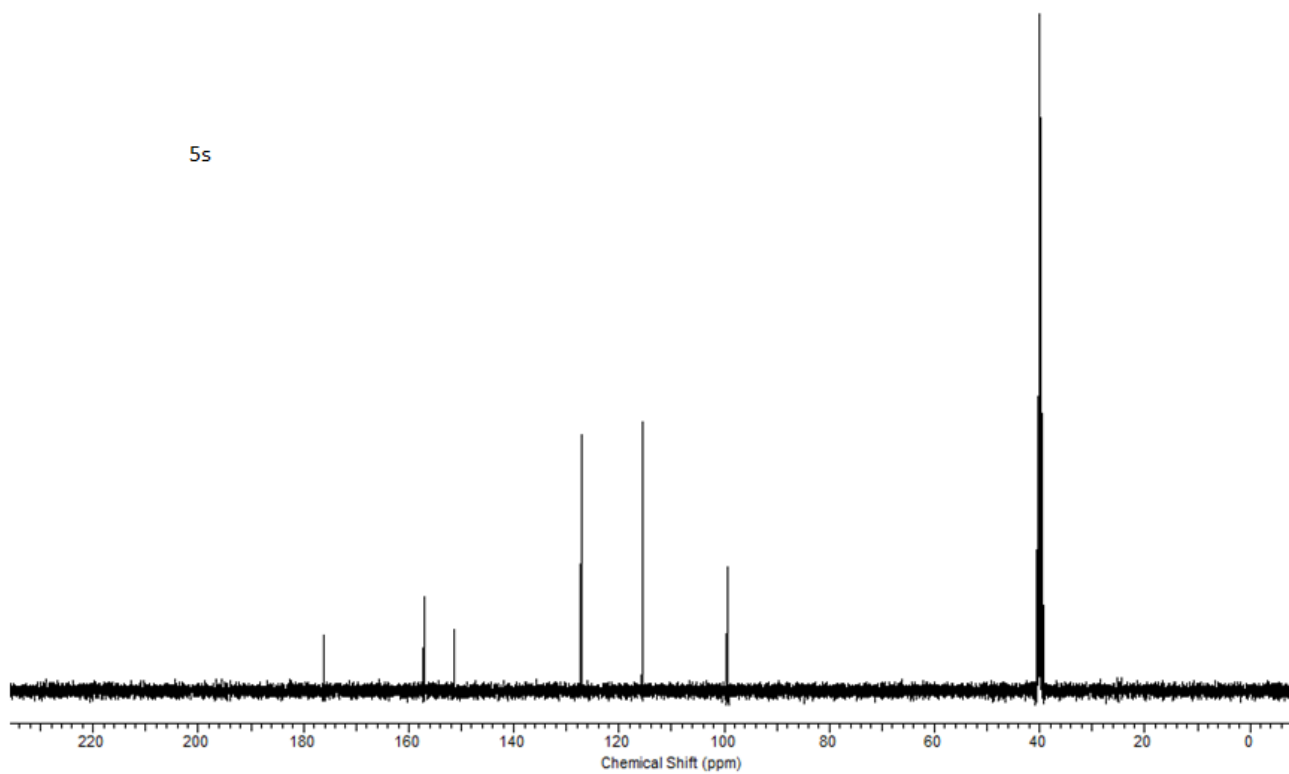
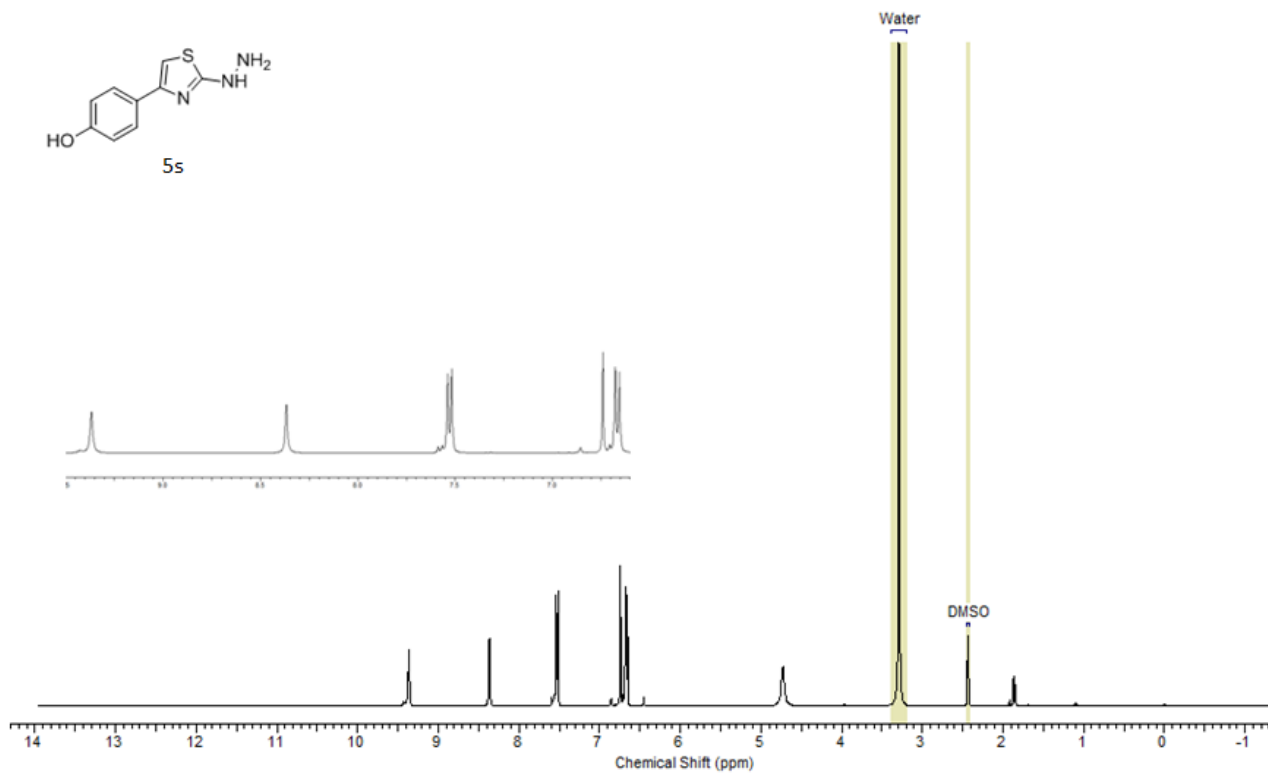
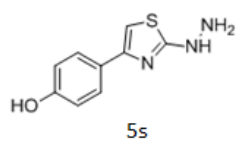
	Retention Time	% Area
1	6.328	2.57
2	6.593	93.38
3	7.795	1.68
4	10.605	2.37



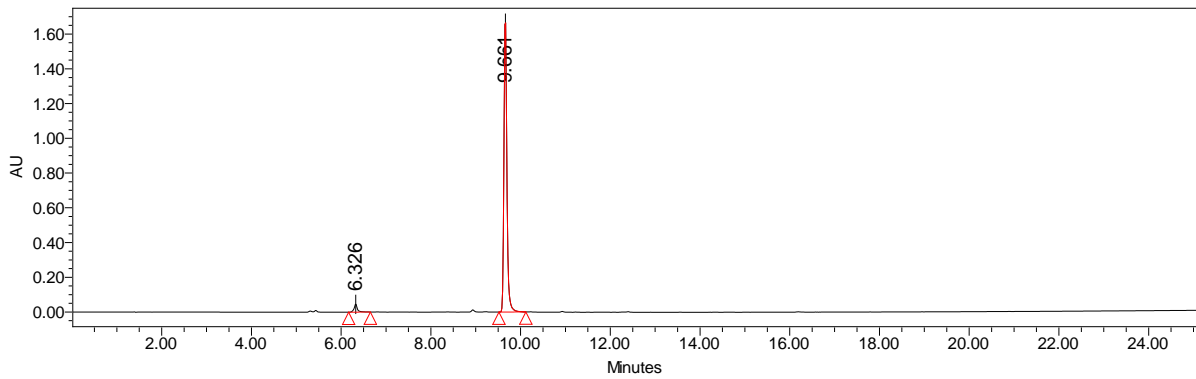
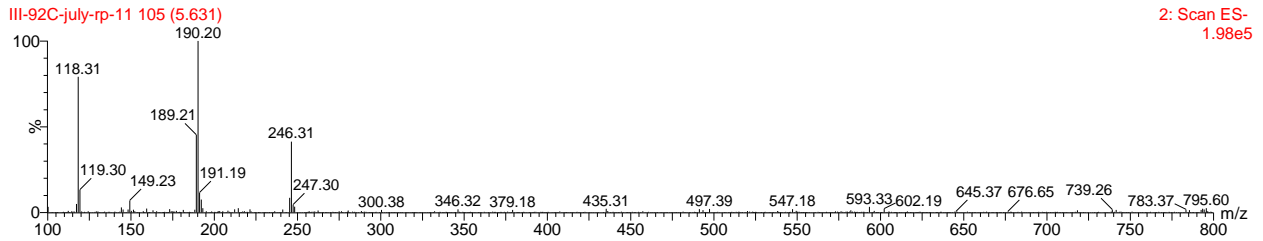
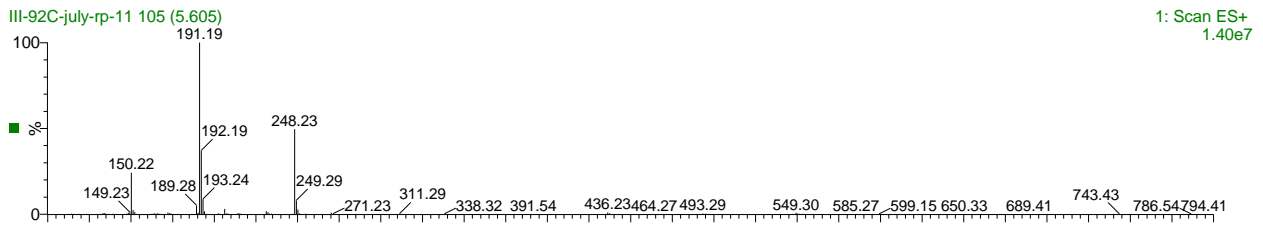
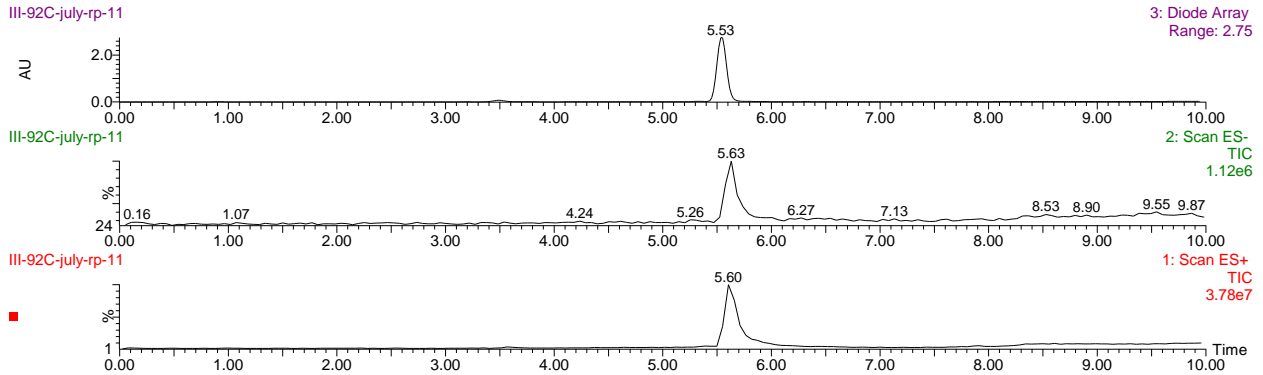
5s



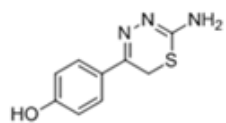
	Retention Time	% Area
1	6.307	92.30
2	9.696	7.70



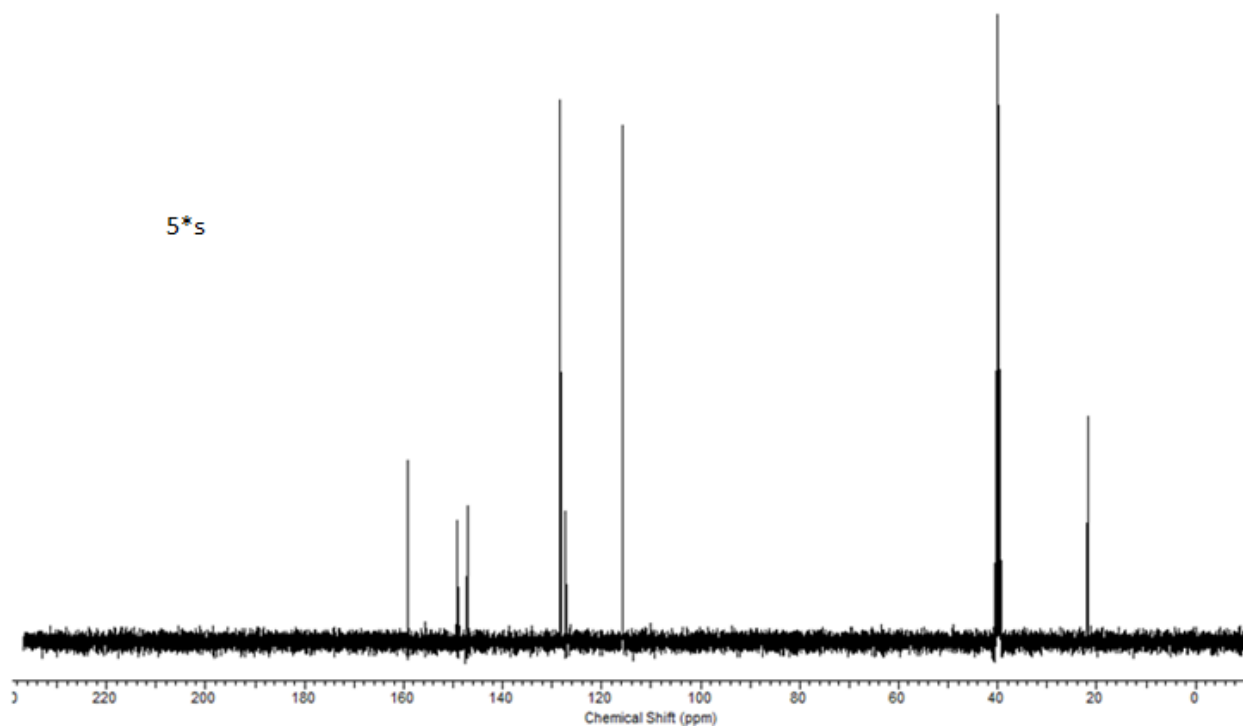
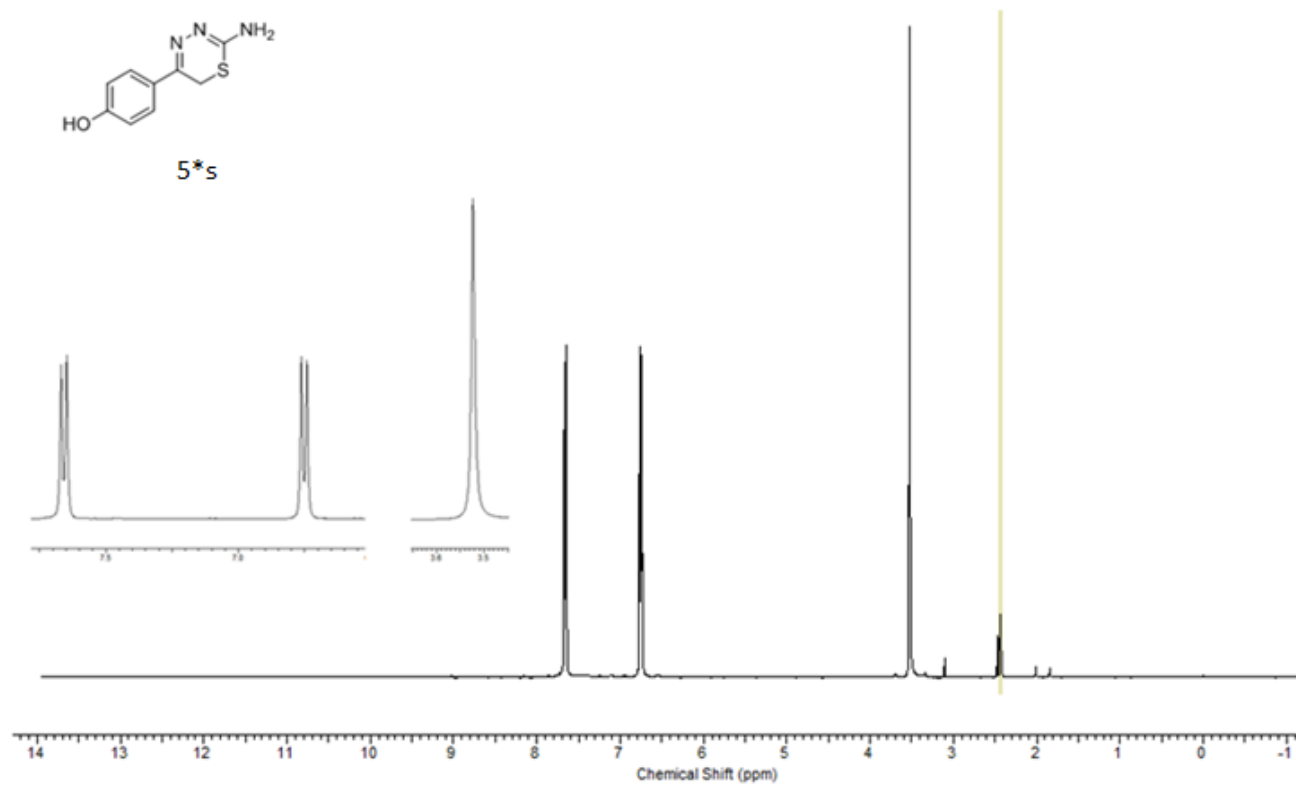
5*s



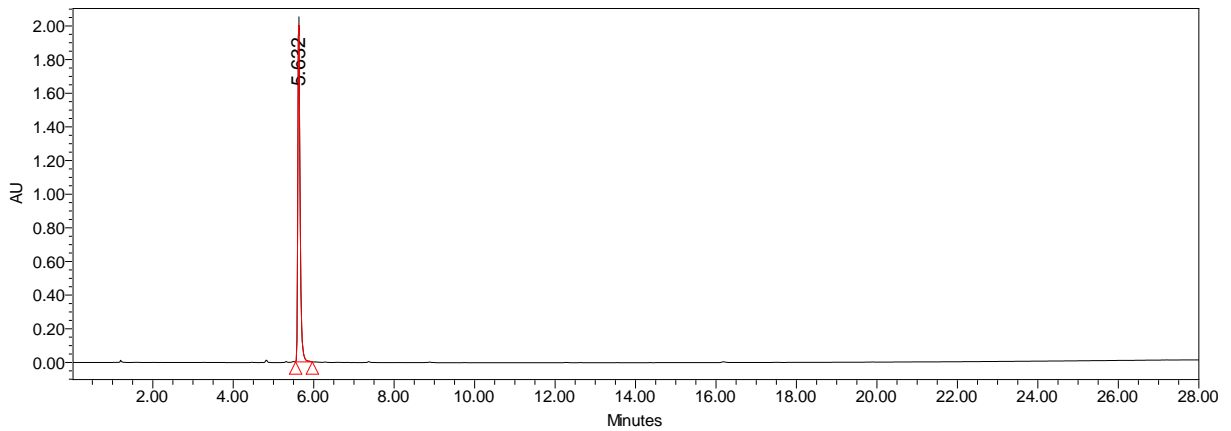
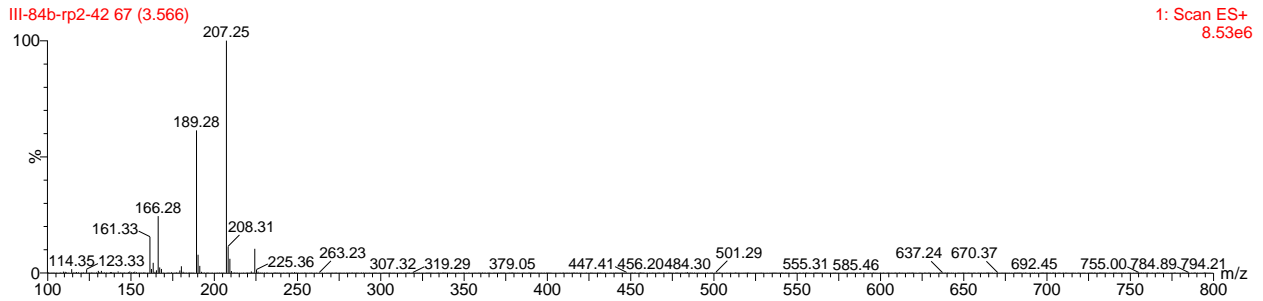
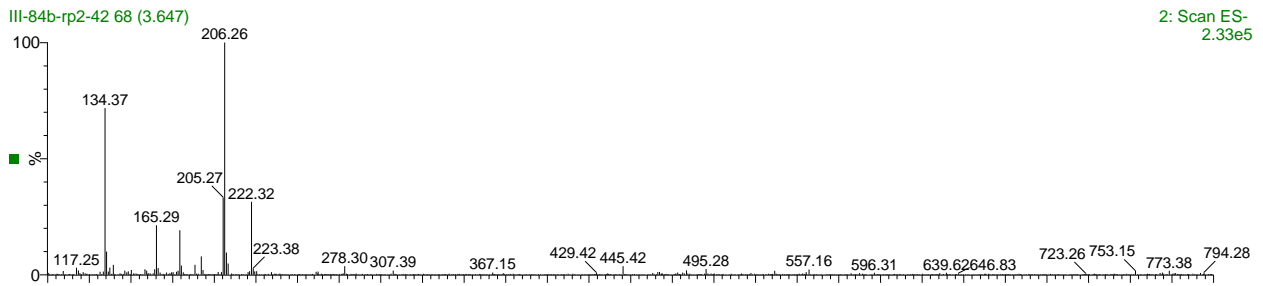
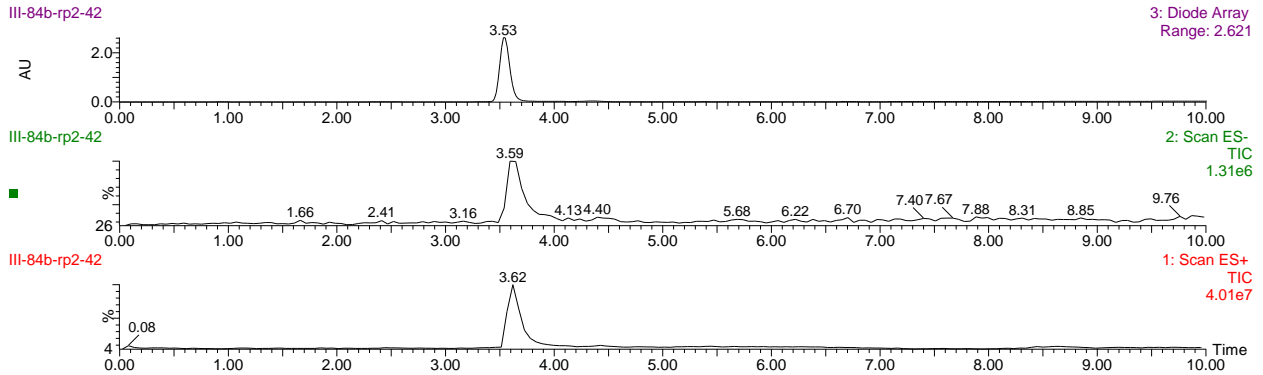
	Retention Time	% Area
1	6.326	3.10
2	9.661	96.90



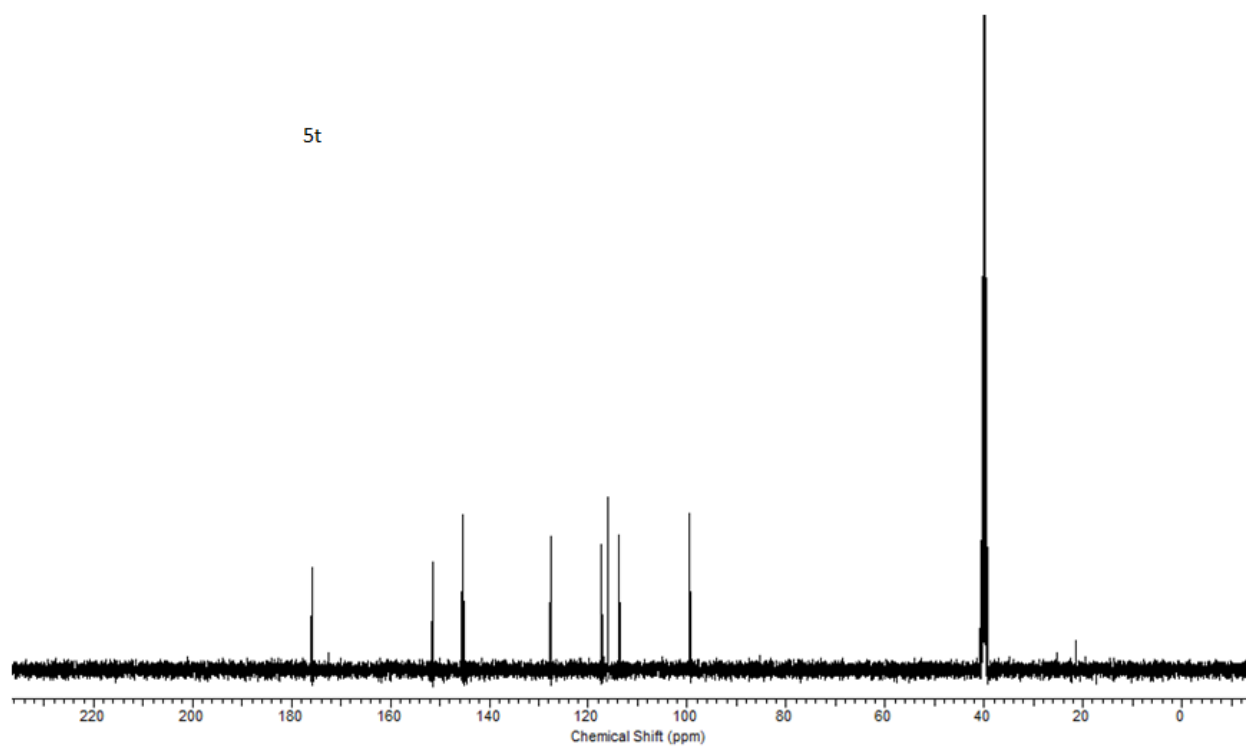
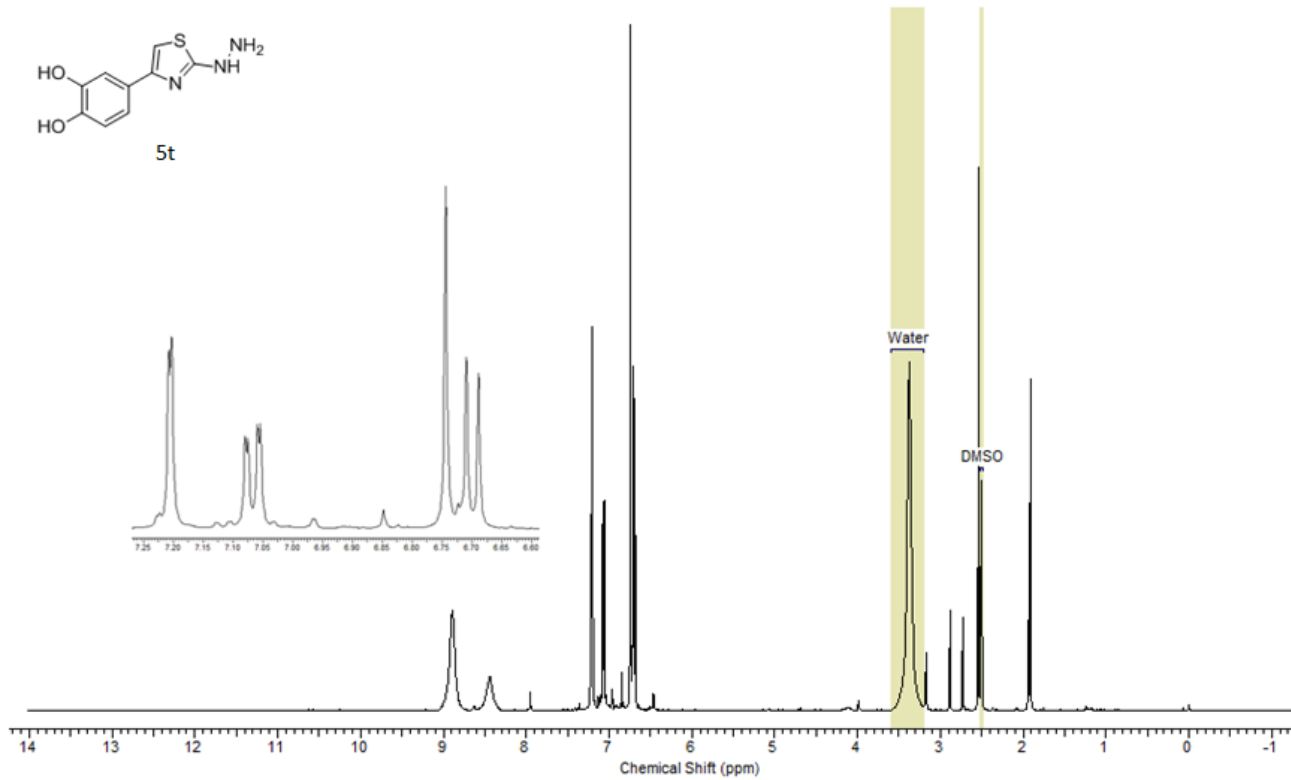
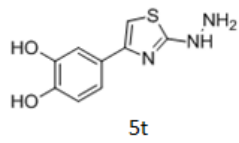
5*s



5t

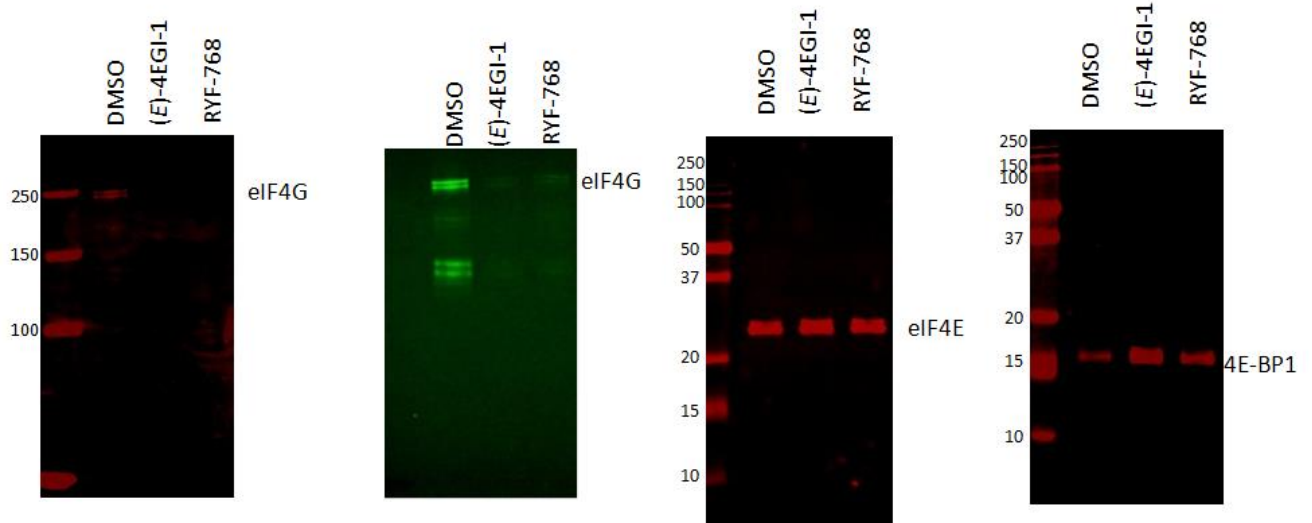


	Retention Time	% Area
1	5.632	100.00

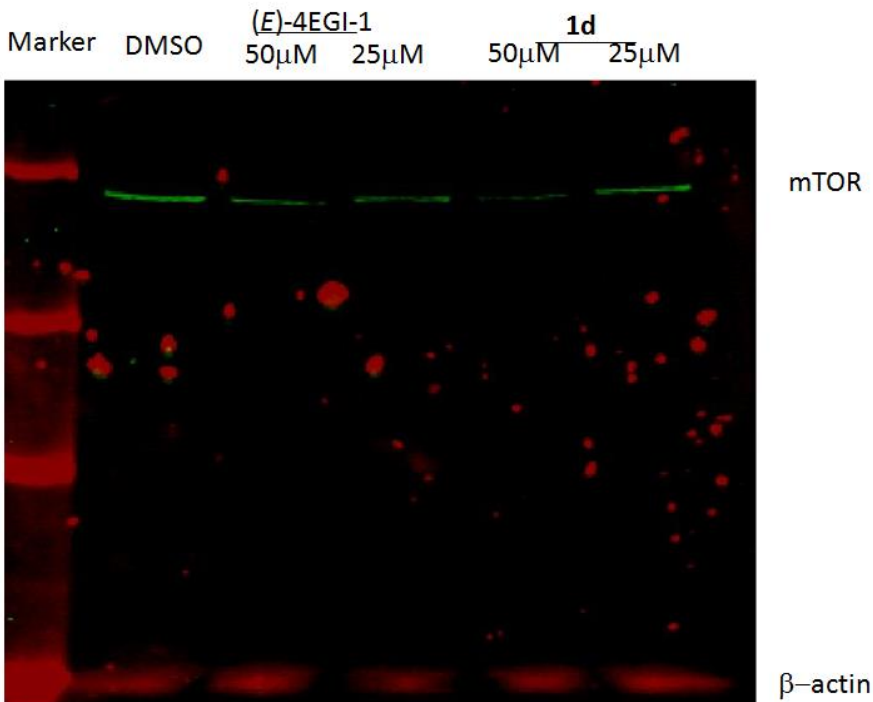


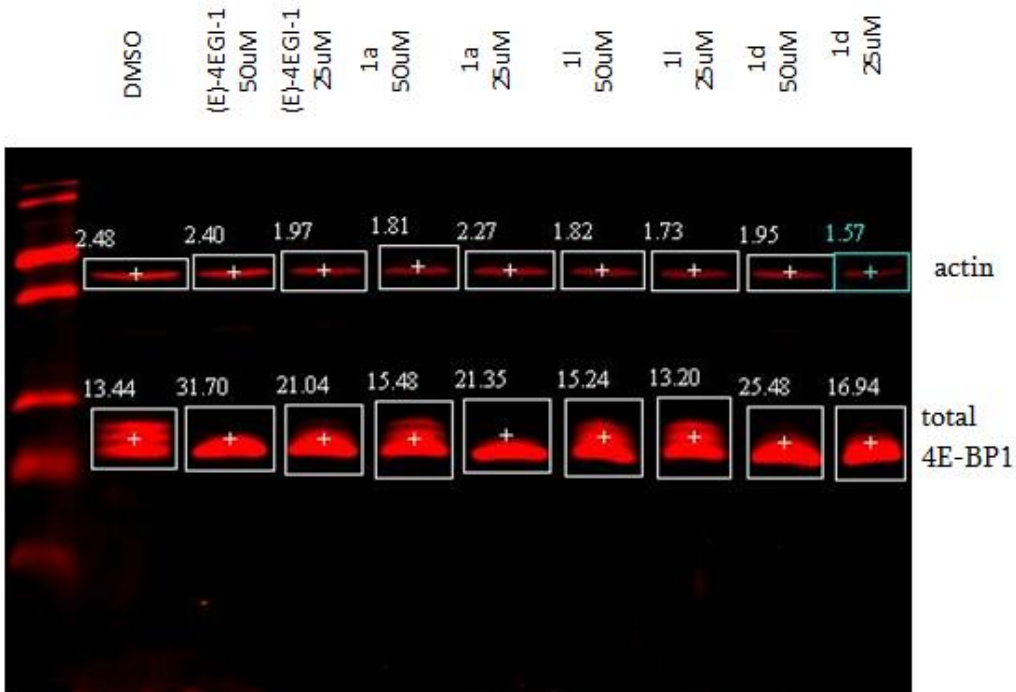
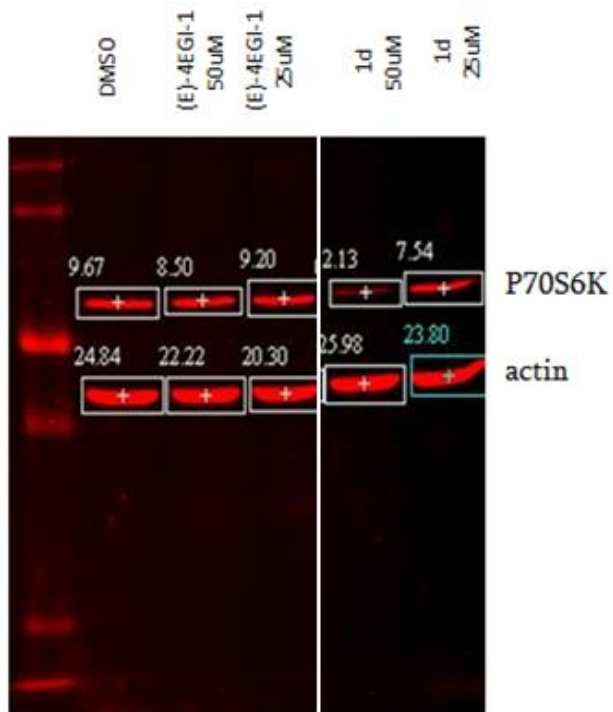
Biology Supplementary Information

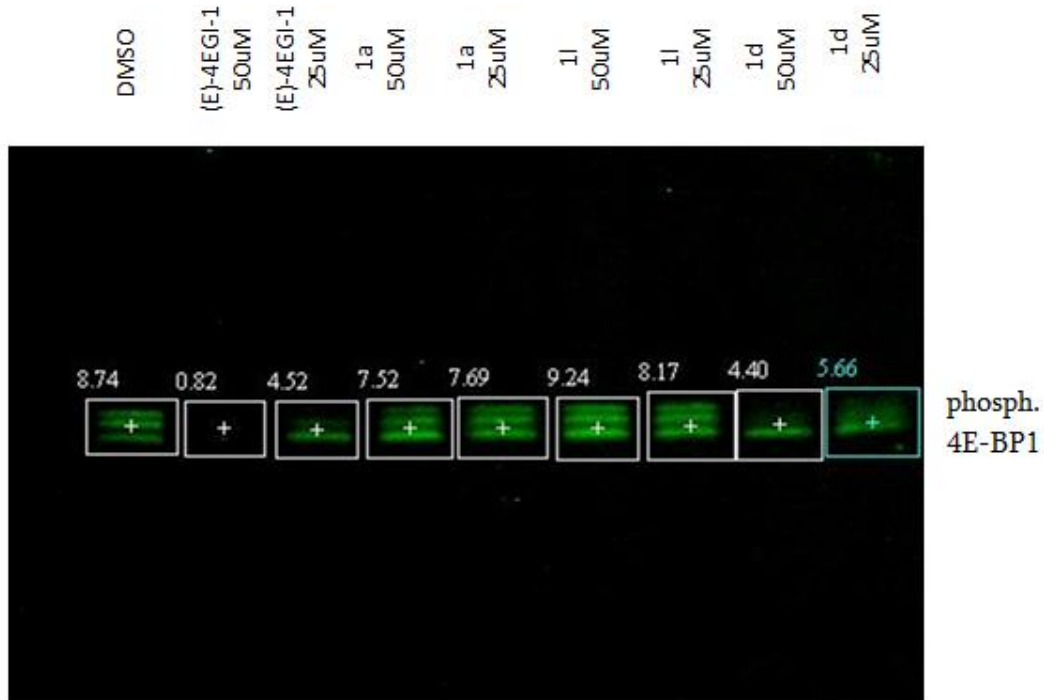
1. Pull down assay



2. Effect on the expression of the proteins of the translation initiation machinery:







3. Effect on the expression of the oncogenic and housekeeping proteins :

