

Supporting Information

Identification of novel resorcinol amide derivatives as potent and specific pyruvate dehydrogenase kinase (PDHK) inhibitors

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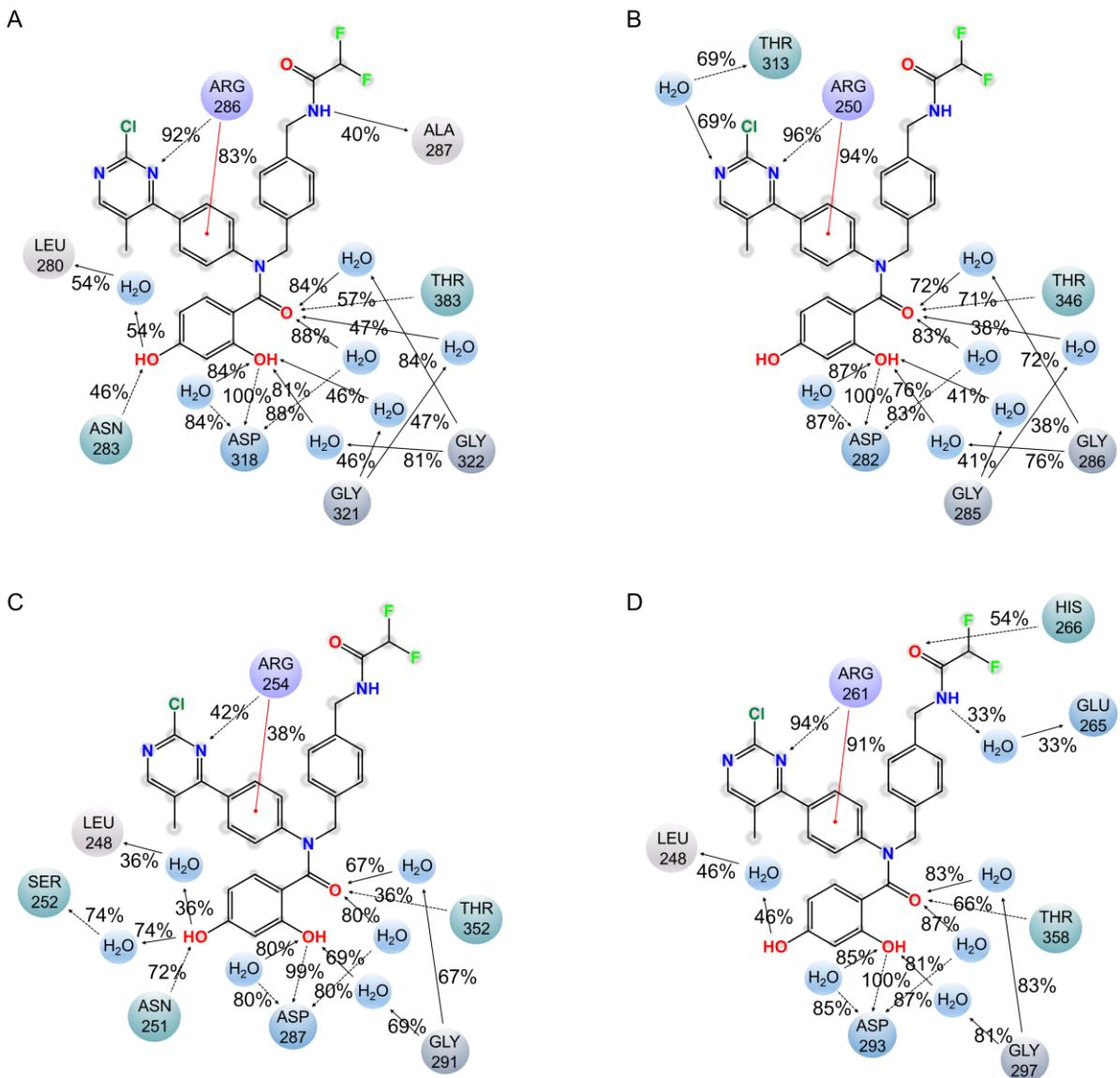


Figure S1. Ligand interaction diagrams of molecular dynamic simulations of **6** with PDHK isoforms (a) PDHK1, (b) PDHK2, (c) PDHK3, (d) PDHK4. The dotted arrows indicate H-bonds to side chains of the PDHKs and full arrows indicate H-bonds to the backbone of PDHKs. Red connector denotes cation-pi stacking interaction.

Table S1. *in vitro* selectivity profiling of **19b** at 1 μM against 366 human kinase

Kinase:	% Enzyme activity (relative to DMSO controls)	Kinase:	% Enzyme activity (relative to DMSO controls)	Kinase:	% Enzyme activity (relative to DMSO controls)
PDHK1	2.3	GRK3	97.0	MEK1	101.9
PDHK2	5.8	CDK5/p25	97.0	PKG1a	101.9
PDHK4	8.3	MEKK6	97.0	CDK4/cyclin D1	102.0
PDHK3	8.7	FMS	97.1	MST4	102.0
EPHA4	82.0	SLK/STK2	97.1	NEK9	102.1
STK32B/YANK2	82.8	Aurora C	97.1	ERN2/IRE2	102.2
PKN2/PRK2	83.4	ARAF	97.2	RET	102.2
CTK/MATK	83.5	CDK6/cyclin D1	97.2	CDK9/cyclin K	102.3
MUSK	85.2	JNK3	97.2	EPHA2	102.3
PHKg1	86.1	ERK5/MAPK7	97.3	TAOK2/TAO1	102.4
ROS/ROS1	86.5	GSK3a	97.3	AXL	102.5
MNK2	86.6	RSK2	97.3	BLK	102.5
MKK6	87.0	MLCK/MYLK	97.4	ZAP70	102.5
FES/FPS	87.3	FGFR3	97.4	DAPK1	102.6
YES/YES1	87.4	EPHB2	97.4	EPHB1	102.6
TGFBR2	87.5	PYK2	97.5	TAOK1	102.7
EPHA3	87.5	P38a/MAPK14	97.5	BRK	102.8
GCK/MAP4K2	87.6	Aurora A	97.5	PAK3	102.9
PKCmu/PRKD1	87.8	PKCd	97.6	DMPK	102.9
MEKK1	88.3	PKCnu/PRKD3	97.6	SYK	103.0
LCK	88.5	DYRK1/DYRK1A	97.7	TYK1/LTK	103.1
MST3/STK24	88.9	TNK1	97.7	TLK1	103.1
VRK2	89.0	ROCK1	97.8	COT1/MAP3K8	103.2
ALK5/TGFBR1	89.4	GSK3b	97.8	CAMK2g	103.2
BRSK1	89.9	STK32C/YANK3	97.8	MYLK4	103.2
NEK5	89.9	CAMK1a	97.8	JNK2	103.2
EPHA7	90.1	MST1/STK4	97.9	P38b/MAPK11	103.3
ALK2/ACVR1	90.2	CDK16/cyclin Y	97.9	DYRK4	103.3
PIM3	90.3	GRK7	97.9	PKN1/PRK1	103.3
ERBB2/HER2	90.3	IRAK1	98.0	OSR1/OXSR1	103.4
IKKa/CHUK	90.6	DYRK1B	98.1	TRKB	103.4
ERN1/IRE1	91.0	ULK2	98.2	CDK3/cyclin E	103.4
BRAF	91.0	CDK2/cyclin O	98.2	TESK1	103.5

EPHB4	91.1	CK1g1	98.2	TYRO3/SKY	103.5
CDK2/cyclin A	91.2	CHK2	98.2	MNK1	103.6
SGK3/SGKL	91.3	PAK1	98.3	MINK/MINK1	103.6
CK1a1L	91.3	FAK/PTK2	98.3	PKN3/PRK3	103.6
PRKX	91.4	MYLK3	98.3	CK1a1	103.7
GRK1	91.5	MLK4	98.4	RSK3	103.7
ALK3/BMPR1A	91.8	AKT1	98.4	MAPKAPK3	103.7
IGF1R	91.9	RSK4	98.5	PIM2	103.8
ACK1	91.9	Haspin	98.6	MSK2/RPS6KA4	103.8
ARK5/NUAK1	92.0	ROCK2	98.8	MST2/STK3	103.9
STK25/YSK1	92.1	PKCeta	98.8	KSR1	103.9
MLK2/MAP3K10	92.3	IKKe/IKBKE	98.8	PKD2/PRKD2	104.0
SIK3	92.3	MARK4	98.9	PAK5	104.0
PKCzeta	92.4	PKCiota	98.9	PAK6	104.0
STK22D/TSSK1	92.5	BRSK2	99.0	NEK11	104.1
NIM1	92.7	MSK1/RPS6KA5	99.0	CAMK2b	104.1
TRKA	92.8	CK2a	99.1	c-MET	104.2
EGFR	92.9	SIK1	99.1	DMPK2	104.3
CDK2/cyclin E	93.1	MAPKAPK2	99.2	PDGFRb	104.5
EPHB3	93.2	KHS/MAP4K5	99.2	LATS2	104.5
LYN	93.3	EPHA6	99.3	PKA	104.6
MAPKAPK5/PRA K	93.4	STK38/NDR1	99.3	MARK3	104.7
GRK6	93.4	HCK	99.5	RIPK3	104.8
VRK1	93.6	CDK1/cyclin E	99.5	CK2a2	104.9
KSR2	93.6	ERK1	99.5	ERK7/MAPK15	104.9
FRK/PTK5	93.7	MLCK2/MYLK2	99.5	FLT4/VEGFR3	105.0
MAK	93.7	TXK	99.5	ULK3	105.0
CAMK1d	93.7	MEK3	99.6	DRAK1/STK17A	105.0
CAMK1b	93.8	SBK1	99.6	GLK/MAP4K3	105.2
MEK2	93.9	CK1g3	99.6	FER	105.3
CLK4	93.9	TTBK2	99.7	ABL2/ARG	105.3
CDK2/Cyclin A1	94.0	PEAK1	99.7	PBK/TOPK	105.4
JNK1	94.0	CK1g2	99.7	PIM1	105.5
FGFR4	94.0	CDC7/DBF4	99.8	CDK14/cyclin Y	105.5
ZAK/MLTK	94.1	CK1epsilon	99.8	RON/MST1R	105.5
TSSK2	94.1	IKKb/IKBKB	99.9	PDGFRa	105.5
SRMS	94.2	CDK9/cyclin T1	99.9	PLK4/SAK	105.7
TAK1	94.4	PASK	100.0	RAF1	105.7
CDK18/cyclin Y	94.4	NLK	100.0	EPHA1	105.7

SRPK2	94.6	ASK1/MAP3K5	100.0	NEK7	105.8
SIK2	94.7	SNARK/NUAK2	100.0	FLT3	105.8
SGK1	94.7	BMX/ETK	100.1	DAPK2	105.9
PAK2	94.7	DYRK3	100.1	JAK2	105.9
MKK7	94.8	PAK4	100.1	HIPK4	106.2
NEK2	94.8	FGFR1	100.1	STK39/STLK3	106.2
HGK/MAP4K4	94.9	MRCKb	100.1	YSK4/MAP3K19	106.2
IRR/INSRR	94.9	KDR/VEGFR2	100.1	ALK6/BMPR1B	106.6
ALK	95.1	CAMK2d	100.1	MKK4	106.6
MARK2/PAR-1Ba	95.1	PKAcg	100.2	TEC	106.7
CDK7/cyclin H	95.1	c-Src	100.2	GRK5	106.8
HPK1/MAP4K1	95.2	TLK2	100.2	FGR	106.9
FLT1/VEGFR1	95.4	RIPK5	100.2	MEKK2	107.1
DDR1	95.5	ABL1	100.2	ERBB4/HER4	107.1
LIMK2	95.5	RSK1	100.3	MYO3A	107.3
PKC β 2	95.5	DDR2	100.3	P38d/MAPK13	107.3
IR	95.6	HIPK2	100.4	SRPK1	107.3
FGFR2	95.6	NEK1	100.4	c-MER	107.4
p70S6Kb/RPS6KB2	95.7	CDK6/cyclin D3	100.4	DYRK2	107.5
MLK1/MAP3K9	95.7	PLK2	100.4	DLK/MAP3K12	107.6
WNK1	95.7	PKG2/PRKG2	100.5	EPHA5	108.0
SSTK/TSSK6	95.7	CDK5/p35	100.6	ULK1	108.5
STK16	95.7	CAMK4	100.6	FYN	108.7
GRK2	95.8	TSSK3/STK22C	100.7	TYK2	109.4
CLK2	95.8	P38g	100.7	LKB1	109.7
BTK	95.8	JAK3	100.7	LOK/STK10	109.7
CAMK1g	95.9	LIMK1	100.7	PKCg	109.9
NEK6	96.0	LYN B	100.7	TAOK3/JIK	110.0
MELK	96.0	p70S6K/RPS6KB1	100.8	CAMKK1	110.3
TRKC	96.1	LCK2/ICK	100.8	CHK1	111.1
CAMK2a	96.2	STK38L/NDR2	100.8	CAMKK2	111.3
SNRK	96.2	CDK1/cyclin A	100.9	TBK1	111.6
MSSK1/STK23	96.2	MRCKa/CDC42BPA	100.9	MYO3b	112.2
WEE1	96.2	c-Kit	101.0	MARK1	112.6
GRK4	96.3	DCAMKL1	101.1	HIPK3	113.2
CDK17/cyclin Y	96.4	AKT2	101.1	PKCepsilon	113.3
WNK2	96.5	STK21/CIT	101.2	EPHA8	113.3
ALK4/ACVR1B	96.5	DCAMKL2	101.2	PKCtheta	113.8
PKAcb	96.5	BMPR2	101.2	MEKK3	114.0

CDK4/cyclin D3	96.5	HIPK1	101.2	CLK3	114.6
CDK1/cyclin B	96.6	IRAK4	101.3	PKG1b	115.5
TIE2/TEK	96.7	AKT3	101.4	ALK1/ACVRL1	115.8
NEK3	96.7	PHKg2	101.5	STK33	115.8
TNIK	96.8	ZIPK/DAPK3	101.7	MLK3/MAP3K11	116.0
SGK2	96.8	PLK1	101.7	PKCb1	116.2
PLK3	96.9	CK1d	101.7	CLK1	116.7
LATS1	96.9	JAK1	101.7	ITK	119.6
ERK2/MAPK1	96.9	TTBK1	101.7	WNK3	122.8
Aurora B	96.9	NEK4	101.8	RIPK2	133.9
CSK	97.0	PKCa	101.9	LRRK2	146.0

Table S2. *in vitro* selectivity profiling of **19t** at 1 µM against 366 human kinase

Kinase:	% Enzyme activity (relative to DMSO controls)	Kinase:	% Enzyme activity (relative to DMSO controls)	Kinase:	% Enzyme activity (relative to DMSO controls)
PDHK1	1.8	GSK3a	96.8	OSR1/OXSR1	101.3
PDHK2	3.0	EPHB3	96.8	PKN1/PRK1	101.3
PDHK4	4.4	FGFR1	96.9	DYRK4	101.3
PDHK3	9.6	PLK4/SAK	97.0	MKK7	101.3
MST4	65.3	TYK2	97.0	ERK1	101.3
CAMKK1	75.6	PKCiota	97.0	ERBB2/HER2	101.4
ERN2/IRE2	77.3	NEK3	97.0	KHS/MAP4K5	101.4
WEE1	77.3	CDK14/cyclin Y	97.1	CHK2	101.4
MLK3/MAP3K11	79.8	DAPK1	97.1	ULK3	101.4
IRR/INSRR	83.5	ROCK2	97.1	CDK1/cyclin E	101.5
RIPK3	83.9	MSSK1/STK23	97.1	PKCnu/PRKD3	101.5
CLK3	84.0	SLK/STK2	97.1	PYK2	101.6
ARAF	84.6	CDK2/cyclin A	97.2	MSK1/RPS6KA5	101.6
CDK6/cyclin D3	85.2	LYN	97.3	PAK2	101.7
PKCtheta	85.4	PKCd	97.3	ALK5/TGFBR1	101.7
DDR1	86.0	JAK1	97.3	STK38L/NDR2	101.8
NEK11	86.1	CK1d	97.3	MNK1	101.9
CLK2	86.6	PIM3	97.3	LATS2	101.9
ROS/ROS1	86.7	IKKe/IKBKE	97.3	KDR/VEGFR2	102.0
BRAF	87.1	JAK3	97.3	PIM1	102.0
MELK	87.6	JNK2	97.3	FLT1/VEGFR1	102.0
CAMK4	87.6	PLK1	97.4	PEAK1	102.0
Haspin	87.9	STK25/YSK1	97.4	P38d/MAPK13	102.0
BRK	88.2	TSSK2	97.4	RON/MST1R	102.1
MINK/MINK1	88.8	NIM1	97.4	CDK5/p25	102.2
CDK1/cyclin B	88.8	CAMK2b	97.4	CAMK2a	102.2
NEK9	88.9	PKCb2	97.4	MAPKAPK5/PRAK	102.2
CDK2/Cyclin A1	89.0	ABL2/ARG	97.5	EPHB2	102.2
ACK1	89.2	CK1epsilon	97.5	KSR2	102.3
CK2a	89.3	TNK1	97.5	IR	102.3
ERN1/IRE1	89.8	PASK	97.7	MYLK3	102.4
c-Kit	89.9	STK39/STLK3	97.8	HGK/MAP4K4	102.5

ALK2/ACVR1	89.9	MLK2/MAP3K10	97.8	PIM2	102.5
CAMKK2	90.0	GRK1	98.0	PRKX	102.6
MST3/STK24	90.3	PKCepsilon	98.0	MARK2/PAR-1Ba	102.6
MEK3	90.4	CLK1	98.0	HCK	102.6
DLK/MAP3K12	91.1	PKCmu/PRKD1	98.1	DYRK3	102.6
ERBB4/HER4	91.2	ALK	98.1	CDK18/cyclin Y	102.6
P38g	91.3	CAMK1b	98.1	TYRO3/SKY	102.7
LCK	91.3	VRK2	98.2	NEK7	102.7
FMS	91.4	FYN	98.2	MEKK3	102.8
FLT3	91.5	ALK3/BMPR1A	98.2	PKCg	102.8
PAK3	91.5	PKA	98.2	ZAK/MLTK	102.8
SBK1	91.6	PKCa	98.2	p70S6Kb/RPS6KB2	102.9
ZIPK/DAPK3	91.7	FGFR4	98.3	SIK2	102.9
MEKK1	91.8	CAMK1a	98.5	HIPK1	103.0
COT1/MAP3K8	91.8	PAK6	98.5	PDGFRa	103.1
EPHA1	91.9	BRSK2	98.5	ALK6/BMPR1B	103.1
TTBK2	91.9	c-Src	98.5	ERK7/MAPK15	103.2
FAK/PTK2	91.9	PKAcb	98.5	HIPK2	103.3
PDGFRb	92.3	CTK/MATK	98.5	PKAcg	103.3
EPHA3	92.4	GRK5	98.6	LYN B	103.4
CDK2/cyclin O	92.5	AKT1	98.6	MKK6	103.4
SRMS	92.7	BLK	98.6	TSSK3/STK22C	103.4
TYK1/LTK	92.8	CDK7/cyclin H	98.6	ABL1	103.5
IGF1R	92.8	PLK2	98.7	CK1g1	103.5
GRK4	92.8	c-MET	98.8	PAK5	103.5
EPHA7	92.9	WNK2	98.8	MARK3	103.6
DCAMKL1	93.0	CDK6/cyclin D1	98.8	MST1/STK4	103.6
FLT4/VEGFR3	93.2	DYRK2	98.8	CSK	103.7
CDK1/cyclin A	93.4	LRRK2	98.9	BRSK1	103.7
TAOK3/JIK	93.4	PKN3/PRK3	98.9	DRAK1/STK17A	103.8
STK21/CIT	93.6	BMX/ETK	98.9	ULK2	103.9
TRKB	93.6	TEC	98.9	FGFR2	103.9
EPHA2	93.6	Aurora B	98.9	p70S6K/RPS6KB1	103.9
CDK9/cyclin K	93.7	MEKK2	99.0	CDK5/p35	104.0
WNK1	93.9	GSK3b	99.0	LOK/STK10	104.0
MLCK/MYLK	93.9	SRPK2	99.0	P38b/MAPK11	104.0
EPHA6	93.9	MYO3A	99.1	MEKK6	104.0
c-MER	93.9	GLK/MAP4K3	99.1	CDK9/cyclin T1	104.0
SRPK1	94.0	ALK4/ACVR1B	99.1	MRCKb/CDC42BPB	104.0

AKT2	94.0	FRK/PTK5	99.2	BTK	104.1
SGK3/SGKL	94.1	MLK4	99.2	SYK	104.1
TIE2/TEK	94.2	JAK2	99.2	TLK2	104.1
DAPK2	94.3	GCK/MAP4K2	99.2	MARK1	104.4
YSK4/MAP3K19	94.3	PHKg2	99.3	CDK4/cyclin D1	104.4
PHKg1	94.4	CDC7/DBF4	99.3	YES/YES1	104.4
MYLK4	94.4	MAK	99.4	CDK17/cyclin Y	104.4
LIMK2	94.6	TNIK	99.4	RSK1	104.5
CK1g3	94.7	AXL	99.5	CDK3/cyclin E	104.7
GRK7	94.7	RIPK2	99.5	MLCK2/MYLK2	104.8
CK2a2	94.7	EPHA5	99.6	SIK1	104.9
RSK3	94.8	LATS1	99.6	RSK4	105.0
PAK1	94.8	TAK1	99.6	CAMK2g	105.1
NEK4	94.9	PKG1a	99.6	CAMK1d	105.2
MNK2	94.9	IKKa/CHUK	99.7	TGFBR2	105.3
SNRK	95.0	TAOK1	99.7	PBK/TOPK	105.3
VRK1	95.0	MKK4	99.7	TBK1	105.4
ASK1/MAP3K5	95.0	EPHB1	99.8	MAPKAPK3	105.6
MEK1	95.1	STK33	99.9	CDK4/cyclin D3	106.0
CHK1	95.2	MSK2/RPS6KA4	99.9	GRK3	106.0
EGFR	95.3	ITK	99.9	PKCzeta	106.2
CAMK1g	95.4	TTBK1	99.9	IRAK4	106.2
SGK1	95.5	RET	100.0	MEK2	106.4
PLK3	95.5	DCAMKL2	100.0	ZAP70	106.5
DMPK2	95.6	DYRK1/DYRK1A	100.1	NEK2	106.6
FER	95.6	MST2/STK3	100.1	Aurora A	106.7
STK38/NDR1	95.7	PKG2/PRKG2	100.1	ERK2/MAPK1	107.0
TRKA	95.7	AKT3	100.1	CDK16/cyclin Y	107.4
MUSK	95.8	EPHA8	100.1	MYO3b	107.6
STK32B/YANK2	95.8	PKG1b	100.2	SNARK/NUAK2	107.8
TXK	95.8	CK1a1	100.3	ERK5/MAPK7	108.4
NLK	95.9	CDK2/cyclin E	100.3	NEK1	108.9
DYRK1B	95.9	RIPK5	100.3	LKB1	109.3
BMPR2	96.1	MAPKAPK2	100.4	LIMK1	109.6
ARK5/NUAK1	96.2	MRCKa/CDC42BPA	100.4	STK22D/TSSK1	109.6
PKD2/PRKD2	96.2	P38a/MAPK14	100.4	GRK2	109.7
PKCb1	96.2	ROCK1	100.5	TESK1	109.8
CLK4	96.2	PAK4	100.6	STK16	110.2
JNK3	96.2	JNK1	100.6	CK1g2	110.3

DMPK	96.3	RSK2	100.7	SSTK/TSSK6	110.4
KSR1	96.3	MLK1/MAP3K9	100.7	Aurora C	110.8
EPHB4	96.4	TRKC	100.7	HPK1/MAP4K1	110.9
MARK4	96.4	RAF1	100.8	SGK2	111.0
FGFR3	96.4	TLK1	100.8	HIPK3	112.0
IKK β /IKBKB	96.5	FES/FPS	100.8	DDR2	112.4
CAMK2d	96.5	ALK1/ACVRL1	100.8	PKCeta	112.7
NEK6	96.6	WNK3	100.9	GRK6	114.4
PKN2/PRK2	96.6	TAOK2/TAO1	101.1	CK1a1L	114.5
SIK3	96.7	ULK1	101.2	STK32C/YANK3	117.0
FGR	96.7	HIPK4	101.2	NEK5	118.2
EPHA4	96.8	LCK2/ICK	101.3	IRAK1	135.6

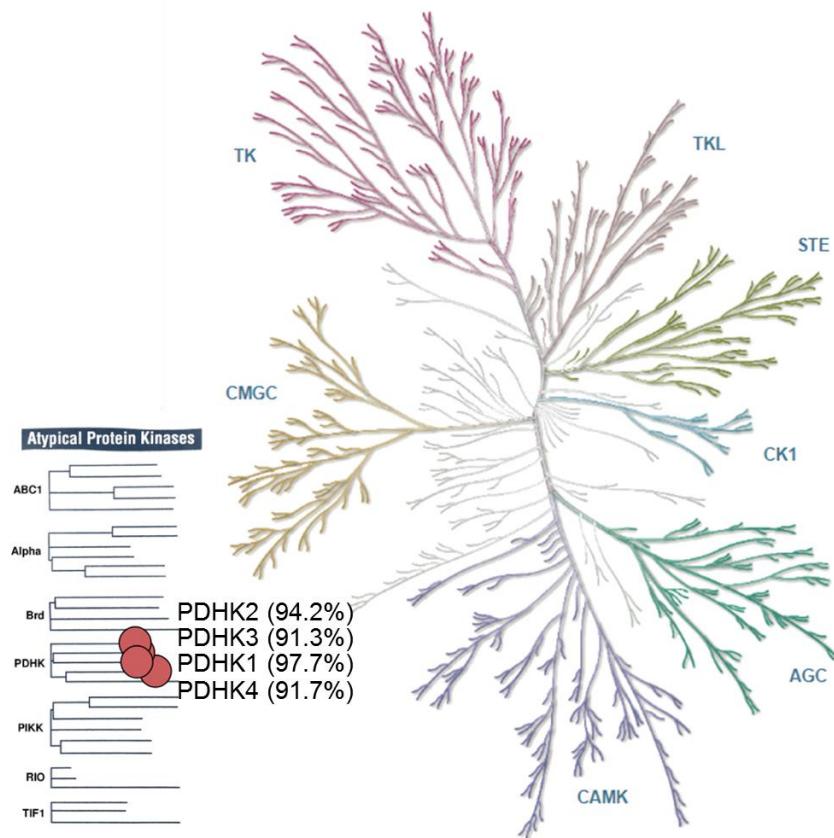


Figure S2. Overall kinase selectivity profiling of **19b**. Kinases showing > 50 % inhibition are clustered on kinome tree. PDHK1/2/3/4 out of 366 kinases are inhibited more than 90% by **19b** at 1 μ M. Illustration reproduced courtesy of Cell Signaling Technology, Inc. (www.cellsignal.com)

Table S3. Inhibitory activities of **19n** at three different ATP concentration against PDHK1/2/3.

[ATP] (μM)	$\text{IC}_{50} (\mu\text{M})^a$		
	10	50	200
PDHK1	0.036 ± 0.000	0.164 ± 0.009	0.405 ± 0.121
PDHK2	0.010 ± 0.003	0.131 ± 0.020	0.093 ± 0.021
PDHK3	0.059 ± 0.032	0.266 ± 0.130	0.799 ± 0.008

^aRadiometric biochemical kinase assay.

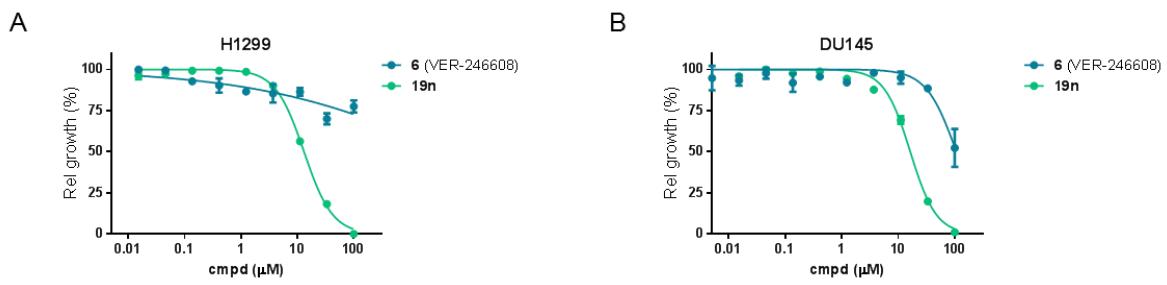


Figure S3. Anti-proliferation assay of compound **6** and **19n** in (A) H1299 and (B) DU145. Cells were plated at a density of 3000 / well in 96-well plates. After 24 h, each compound was added to wells at 10 points of 3-fold serial dilution (0 - 100 μM). After 72 h incubation, the viable cells were assessed by CellTiter-Glo® Luminescent Cell Viability Assay (G7573) (Promega, Wisconsin, USA). The luminescence was measured by using EnVision2103 (PerkinElmer; Boston, MA, US). Each experiment was performed in duplicate mode.

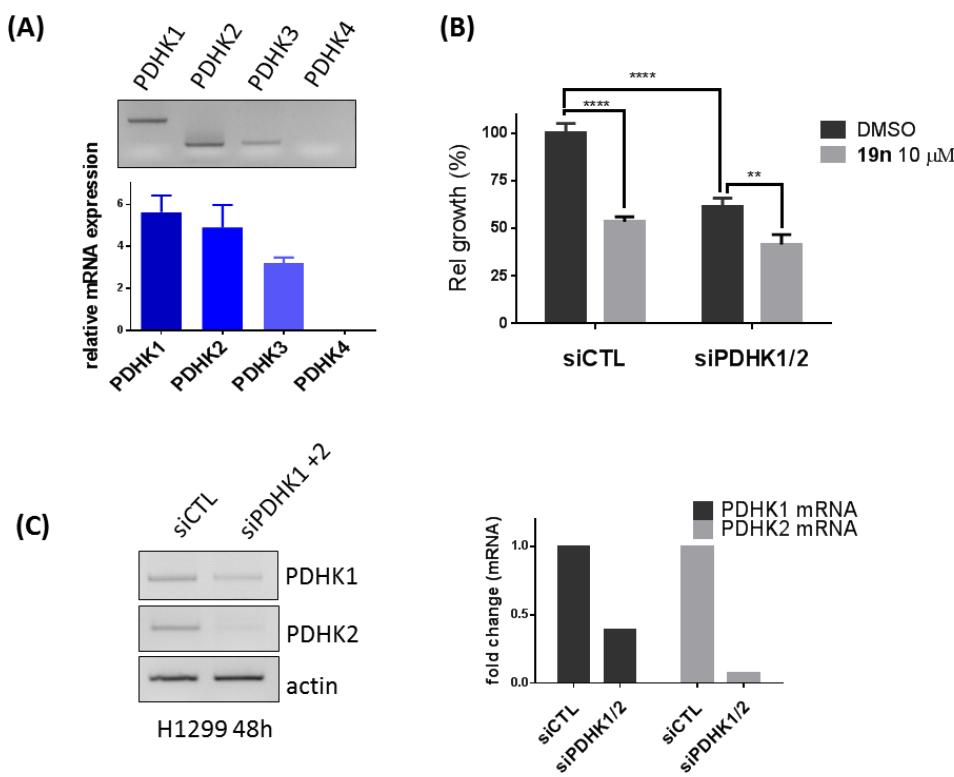
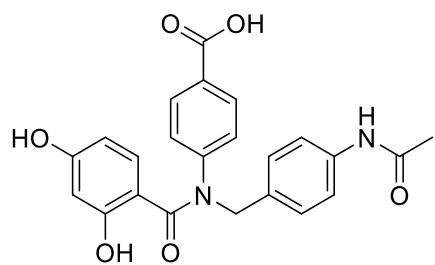
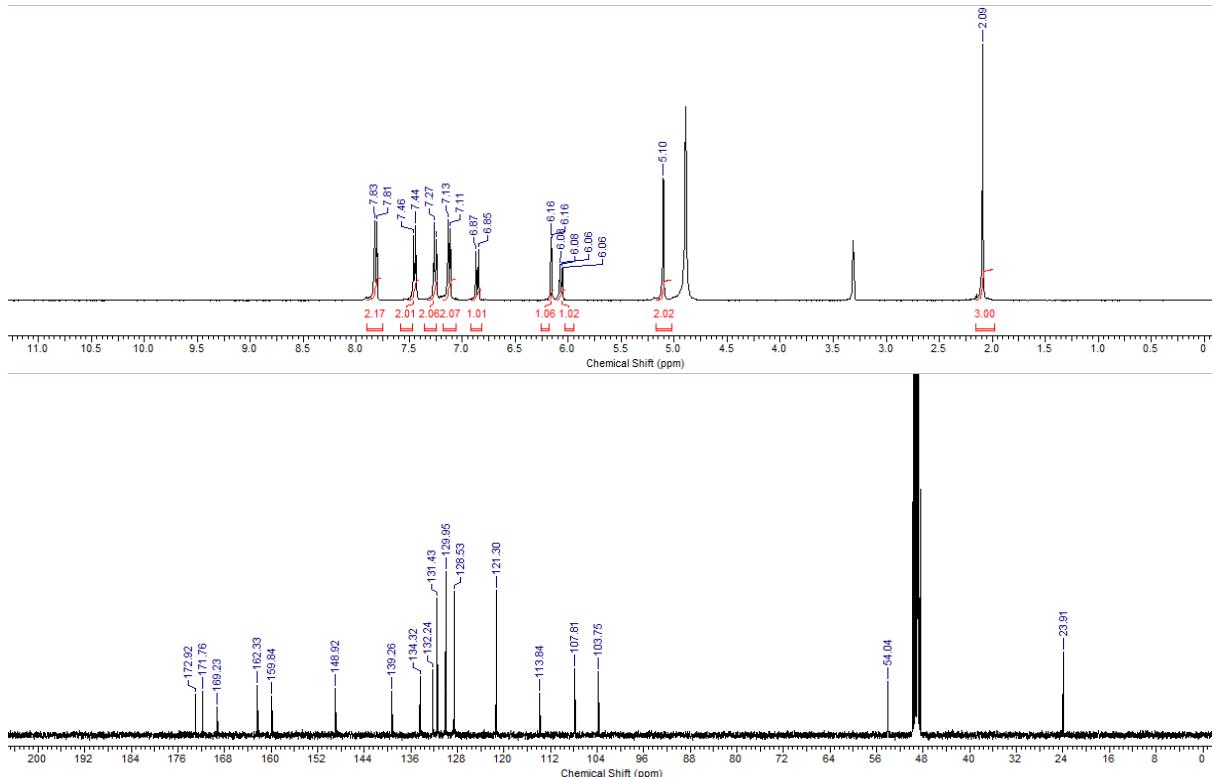


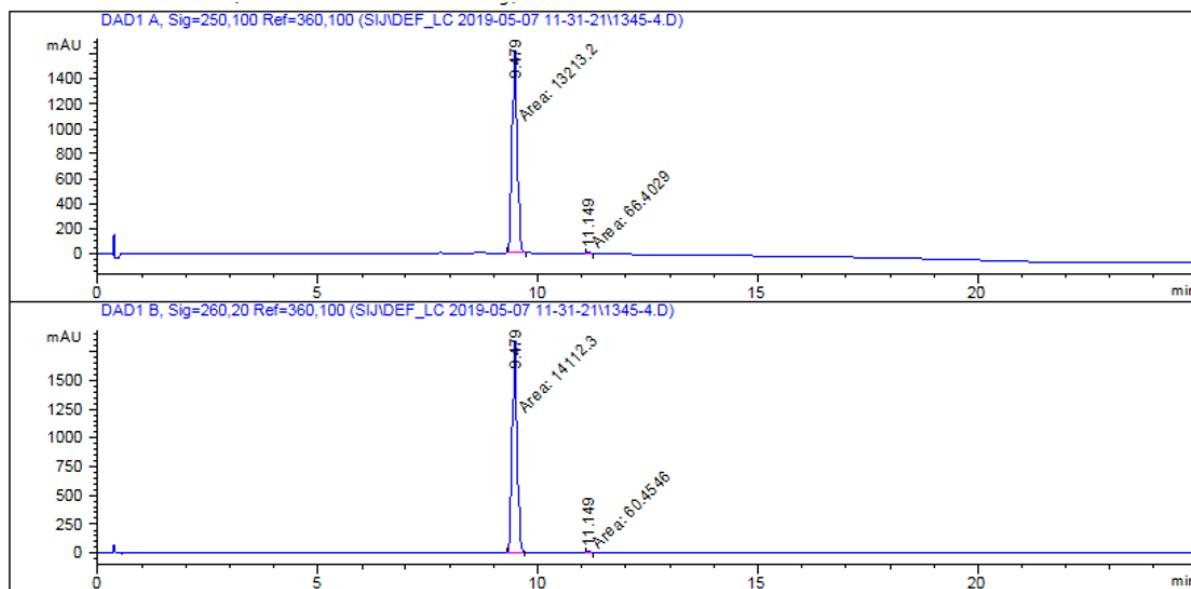
Figure S4. Knockdown of PDHK expression affects the antiproliferative activity of **19n** on H1299 cells.

(A) mRNA level of each isoform of PDHKs in H1299 cell line. (B) Antiproliferative activities of **19n** on H1299 cells transfected with either siPDHK1/2 or siCTL (control siRNA). (C) mRNA level of PDHK1 and PDHK2 after siPDHK1/siPDHK2 transfection.



14





Area Percent Report

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=250,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	9.479	MM	0.1346	1.32132e4	1635.89783	99.5000
2	11.149	MM	0.0857	66.40289	12.90974	0.5000

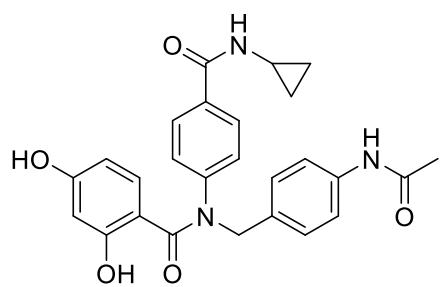
Totals : 1.32796e4 1648.80757

Signal 2: DAD1 B, Sig=260,20 Ref=360,100

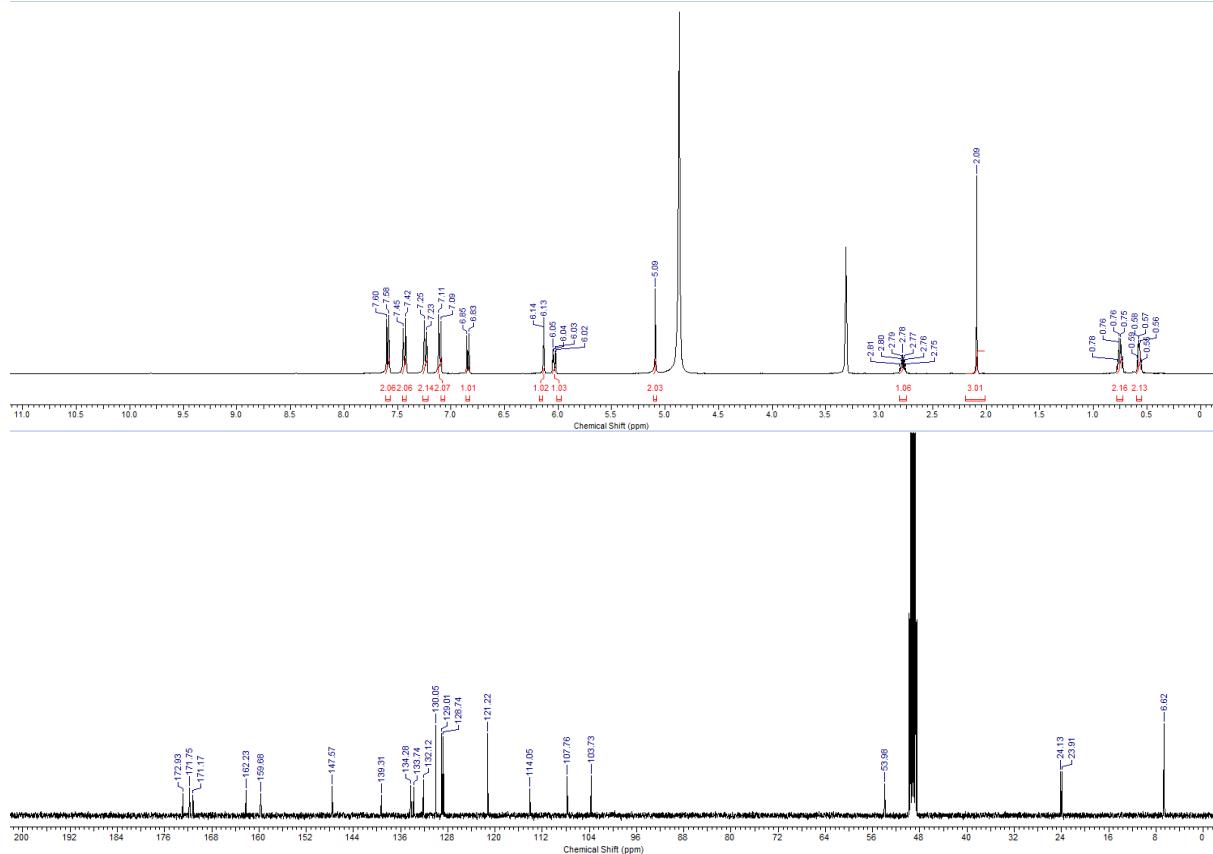
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	9.479	MM	0.1275	1.41123e4	1845.04724	99.5734
2	11.149	MM	0.0866	60.45458	11.62858	0.4266

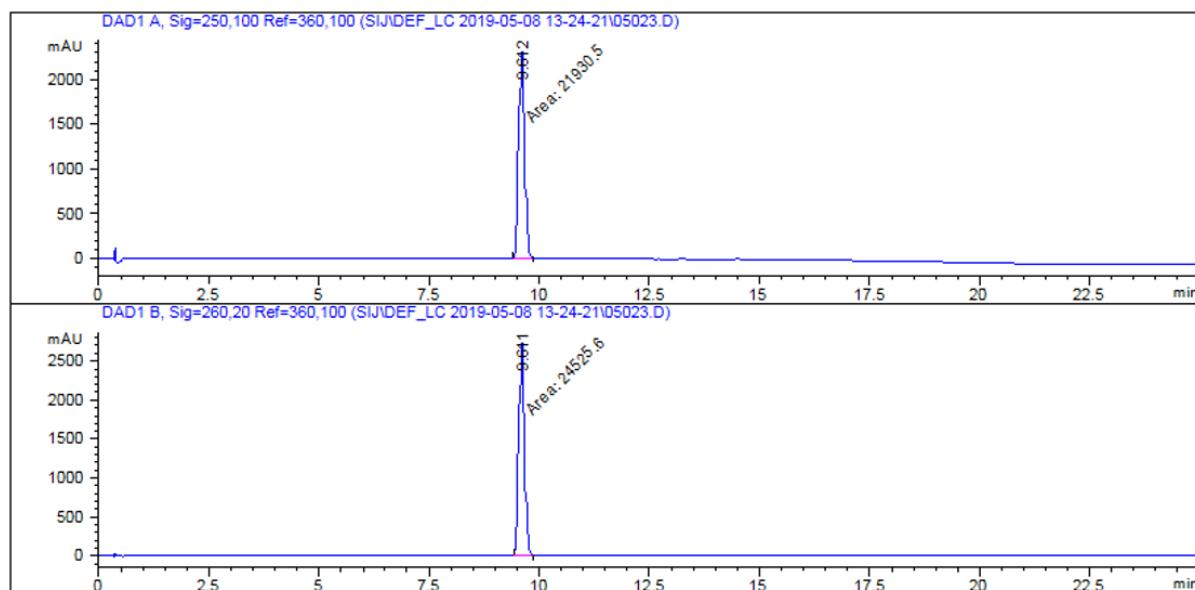
Totals : 1.41727e4 1856.67582

*** End of Report ***



15a





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Area Percent Report
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Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=250,100 Ref=360,100

Peak	RetTime	Type	Width	Area	Height	Area %
#	[min]		[min]	[mAU*s]	[mAU]	
1	9.612	MM	0.1578	2.19305e4	2316.32446	100.0000

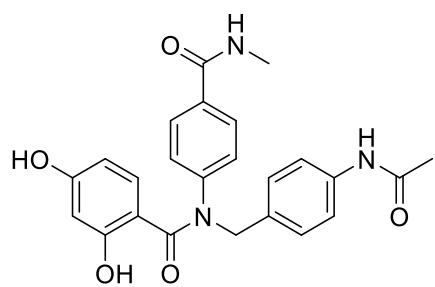
Totals : 2.19305e4 2316.32446

Signal 2: DAD1 B, Sig=260,20 Ref=360,100

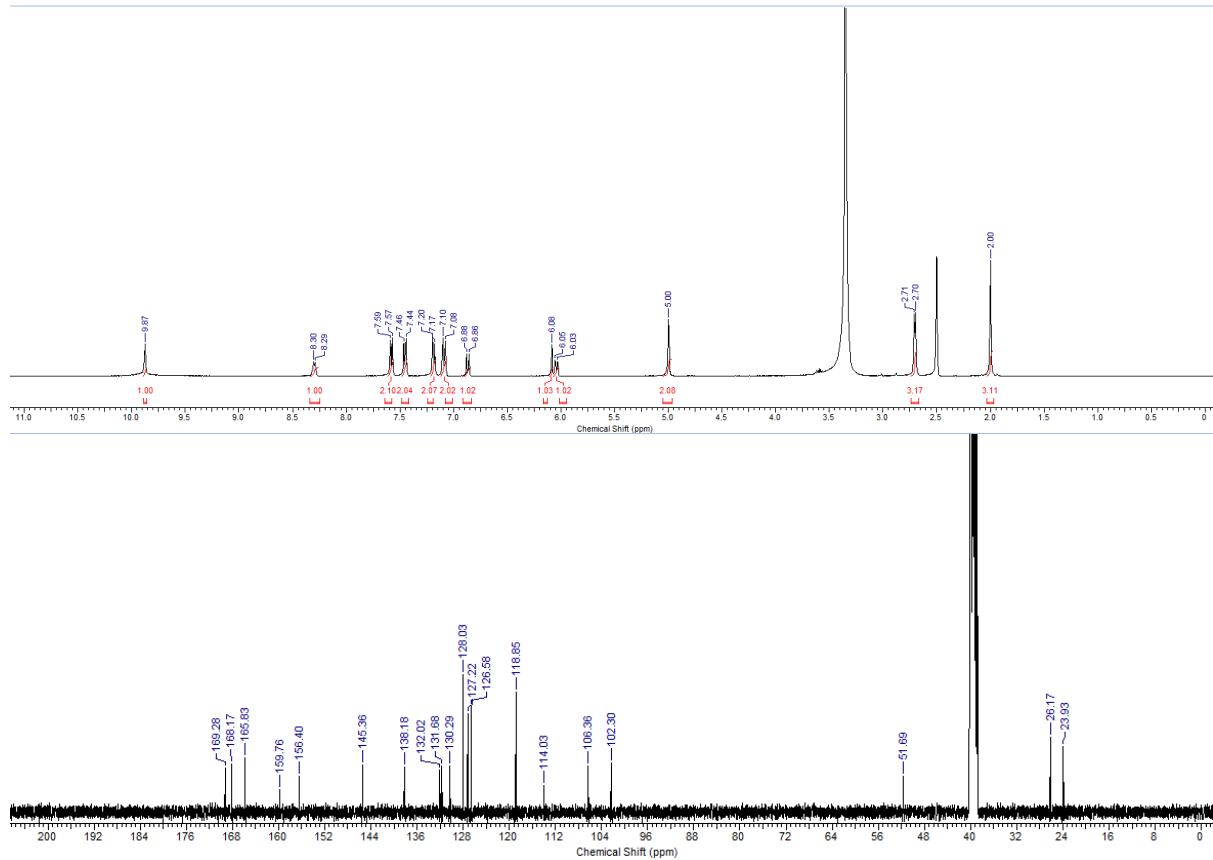
Peak	RetTime	Type	Width	Area	Height	Area %
#	[min]		[min]	[mAU*s]	[mAU]	
1	9.611	MM	0.1495	2.45256e4	2735.01074	100.0000

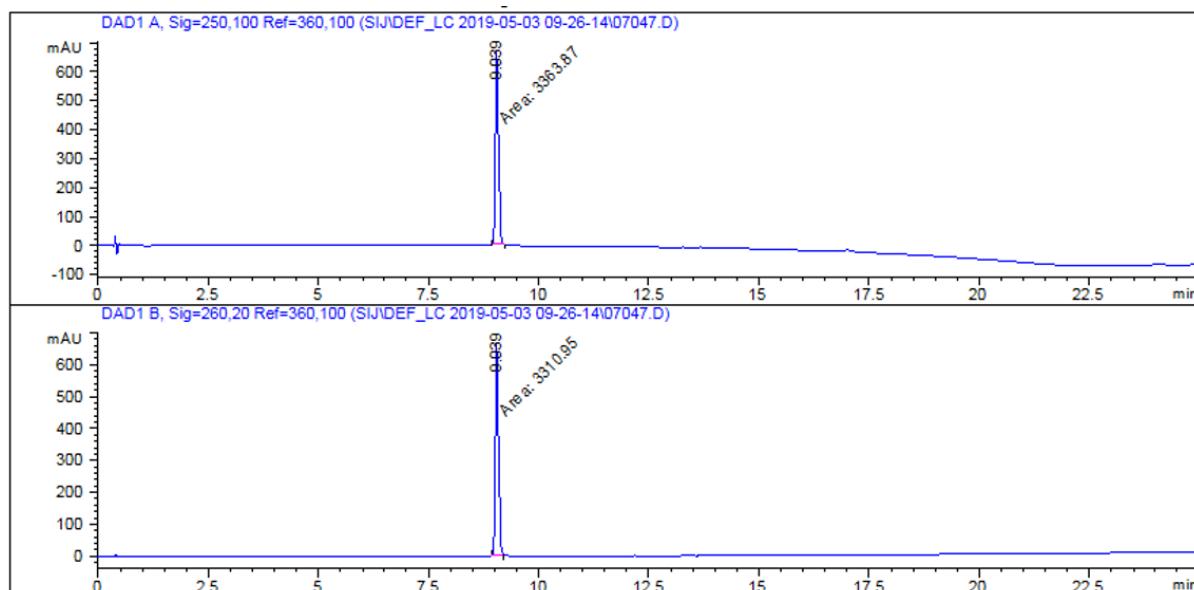
Totals : 2.45256e4 2735.01074

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*** End of Report ***



15b





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Area Percent Report
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Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=250,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	9.039	MM	0.0841	3363.87402	666.46228	100.0000

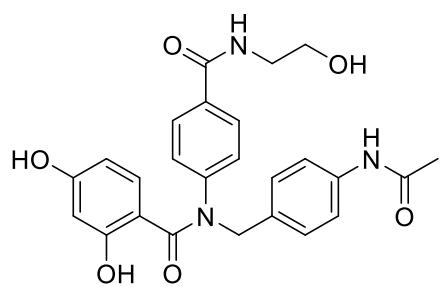
Totals : 3363.87402 666.46228

Signal 2: DAD1 B, Sig=260,20 Ref=360,100

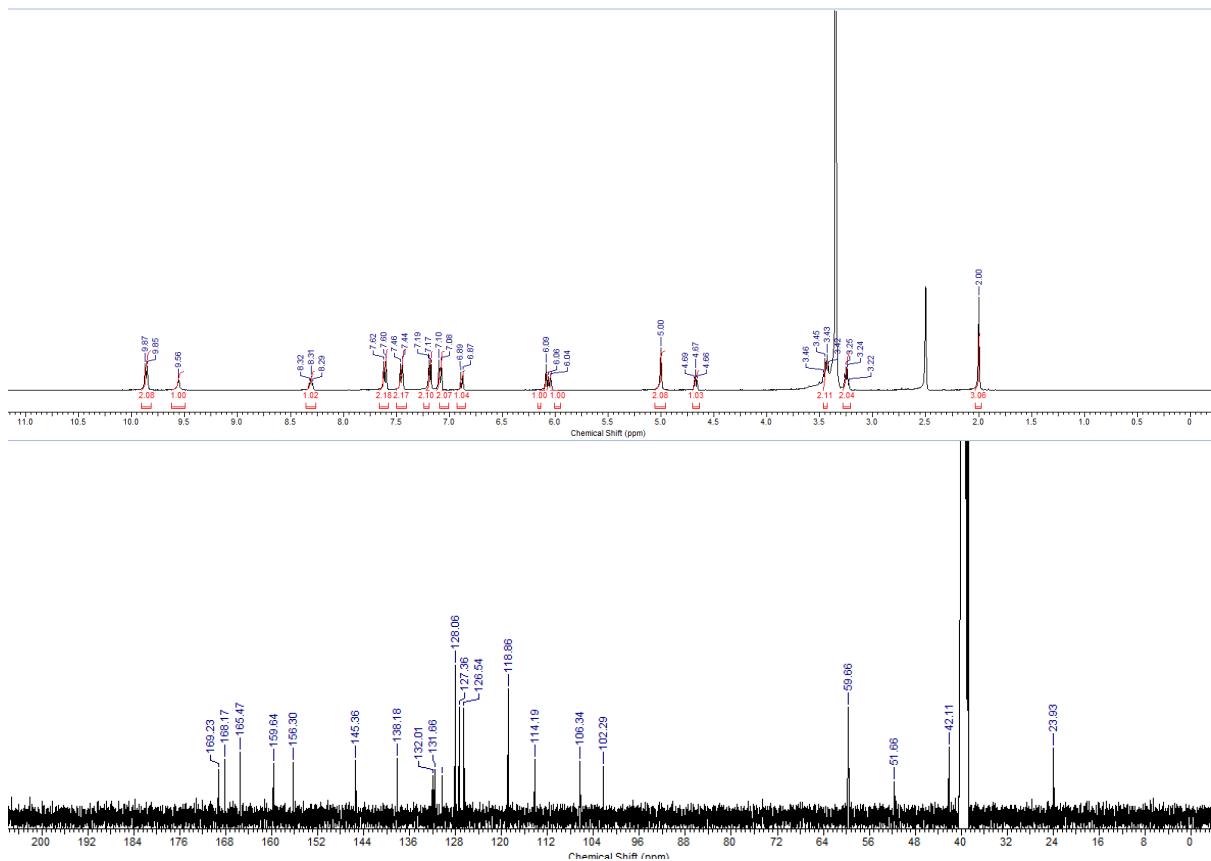
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	9.039	MM	0.0830	3310.95361	664.46906	100.0000

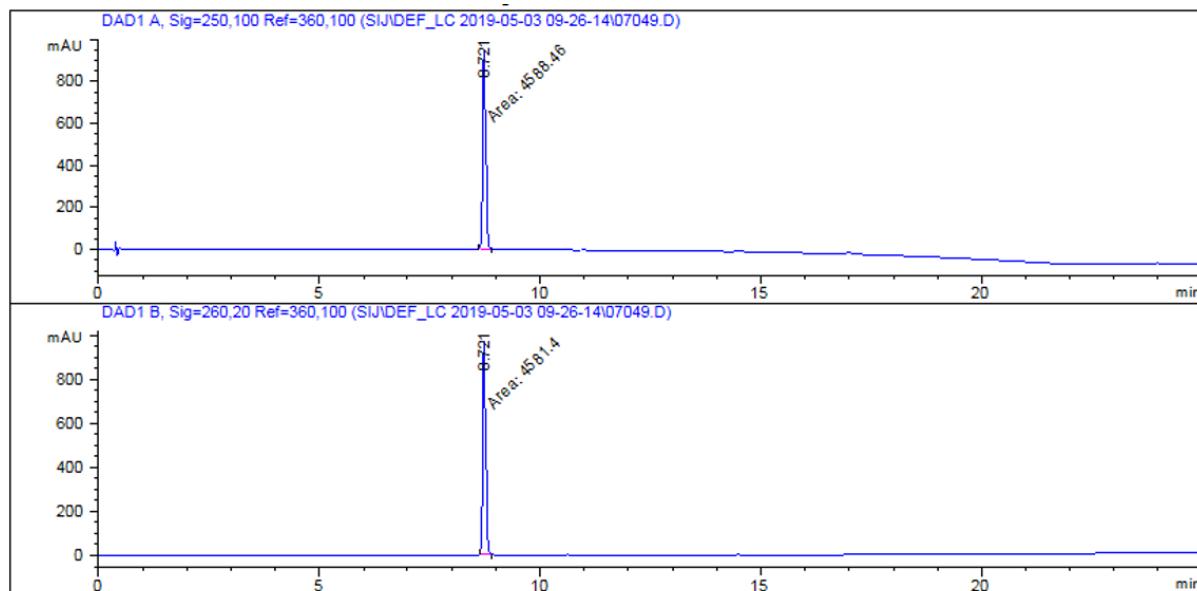
Totals : 3310.95361 664.46906

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*** End of Report ***



15c





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Area Percent Report
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Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=250,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	8.721	MM	0.0808	4588.46289	946.87091	100.0000

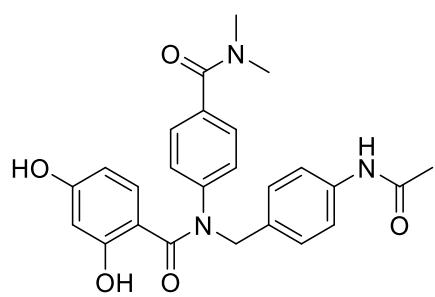
Totals : 4588.46289 946.87091

Signal 2: DAD1 B, Sig=260,20 Ref=360,100

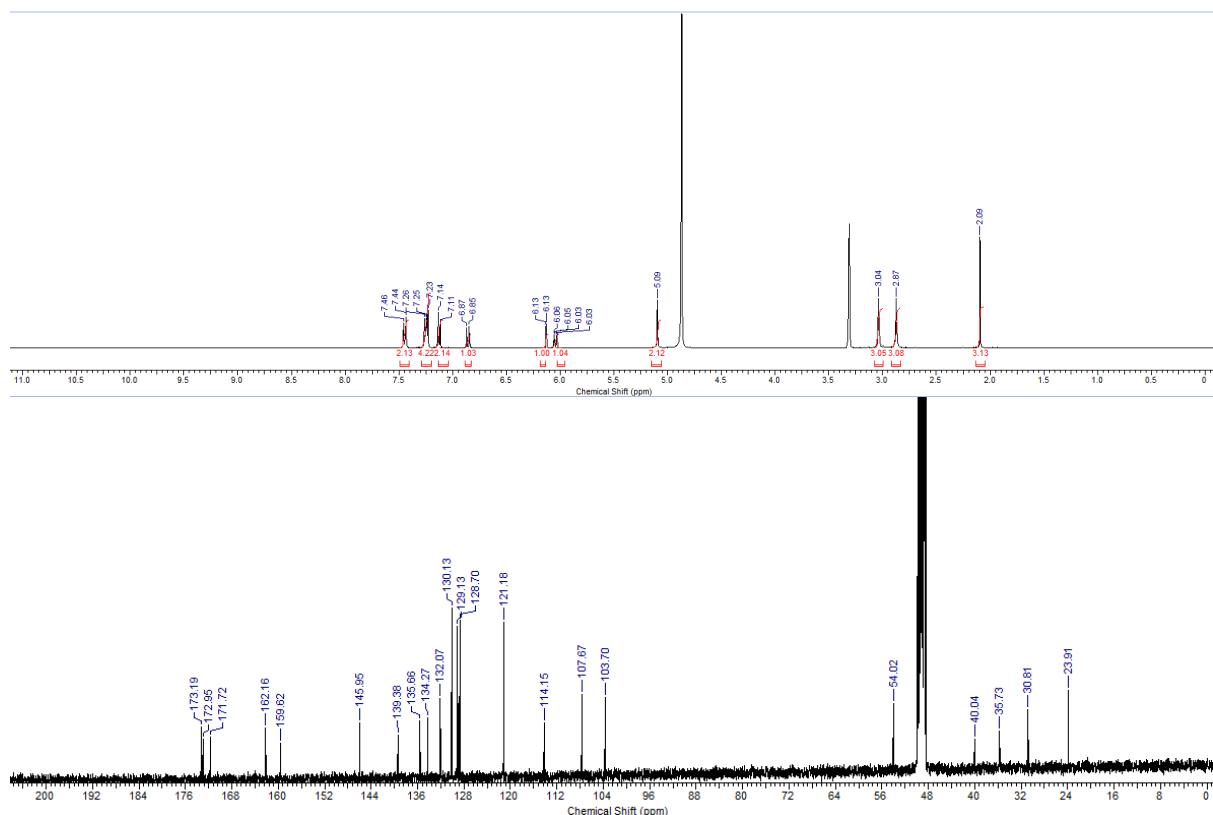
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	8.721	MM	0.0788	4581.39746	968.57782	100.0000

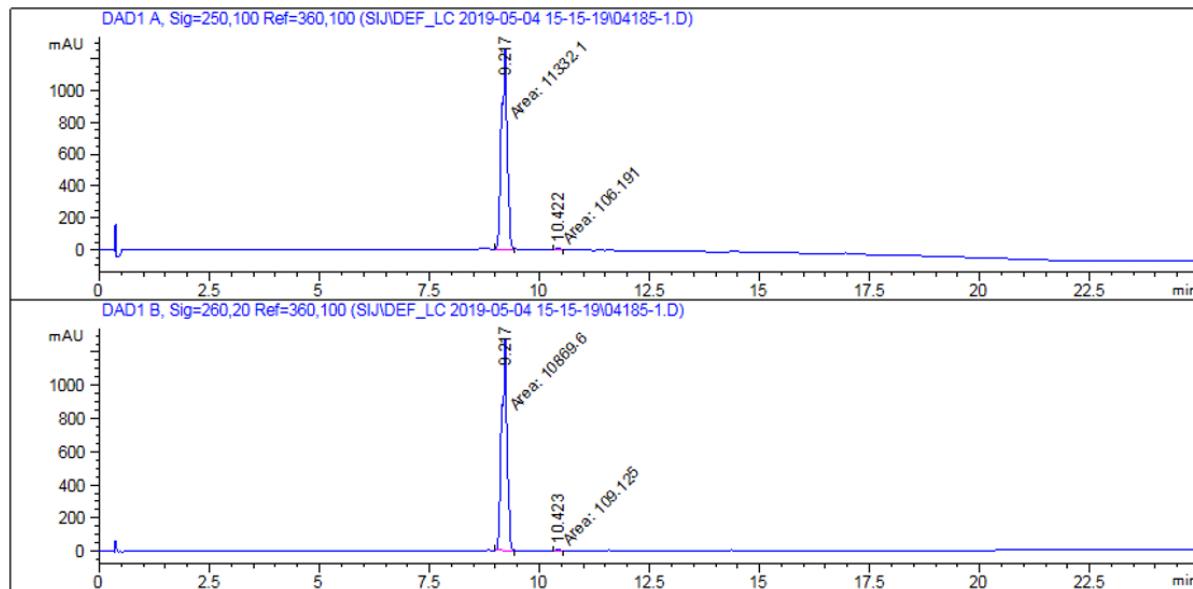
Totals : 4581.39746 968.57782

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*** End of Report ***



15d





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Area Percent Report
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Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=250,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	9.217	MM	0.1491	1.13321e4	1266.32495	99.0716
2	10.422	MM	0.1244	106.19063	14.22742	0.9284

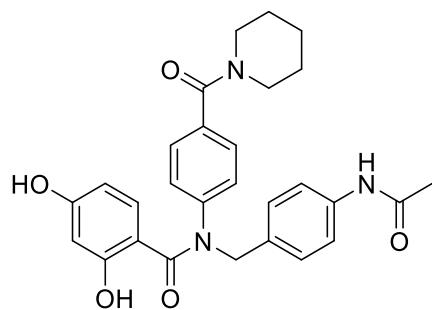
Totals : 1.14382e4 1280.55237

Signal 2: DAD1 B, Sig=260,20 Ref=360,100

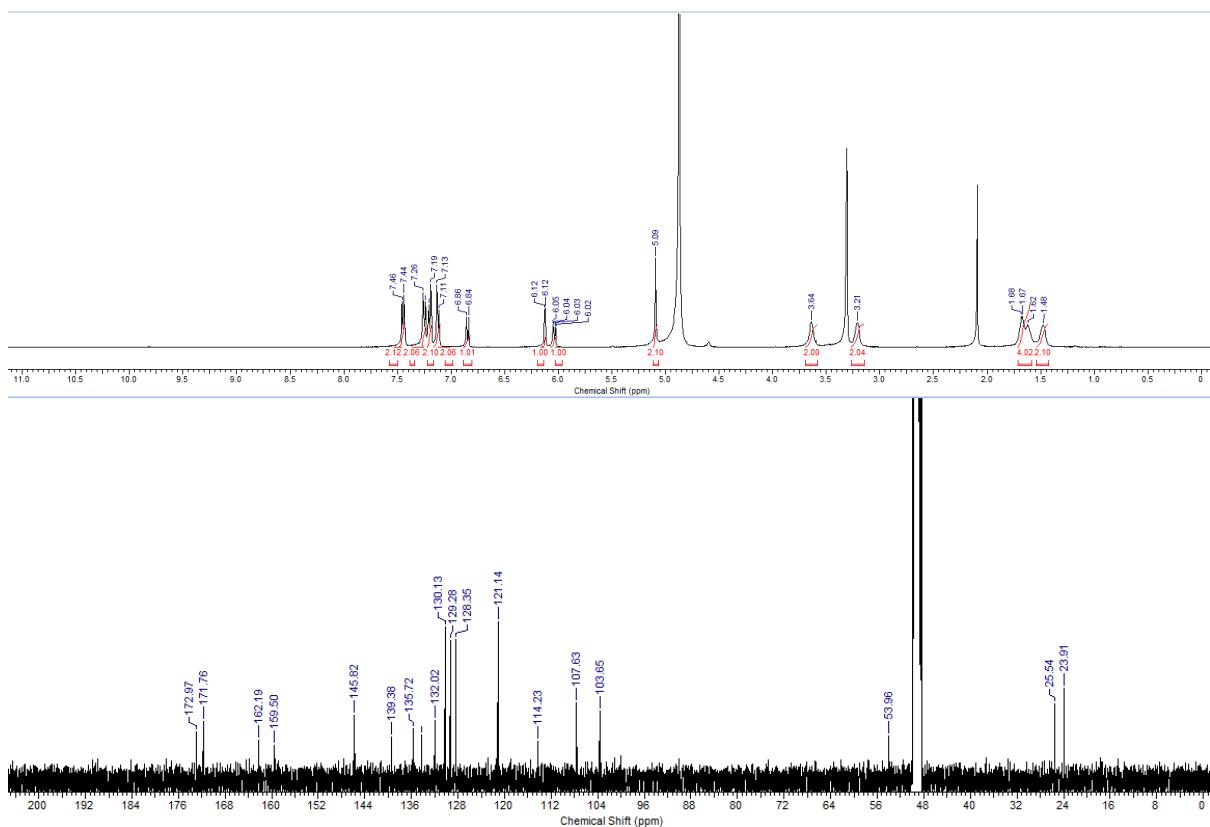
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	9.217	MM	0.1417	1.08696e4	1278.89209	99.0060
2	10.423	MM	0.1272	109.12517	14.29991	0.9940

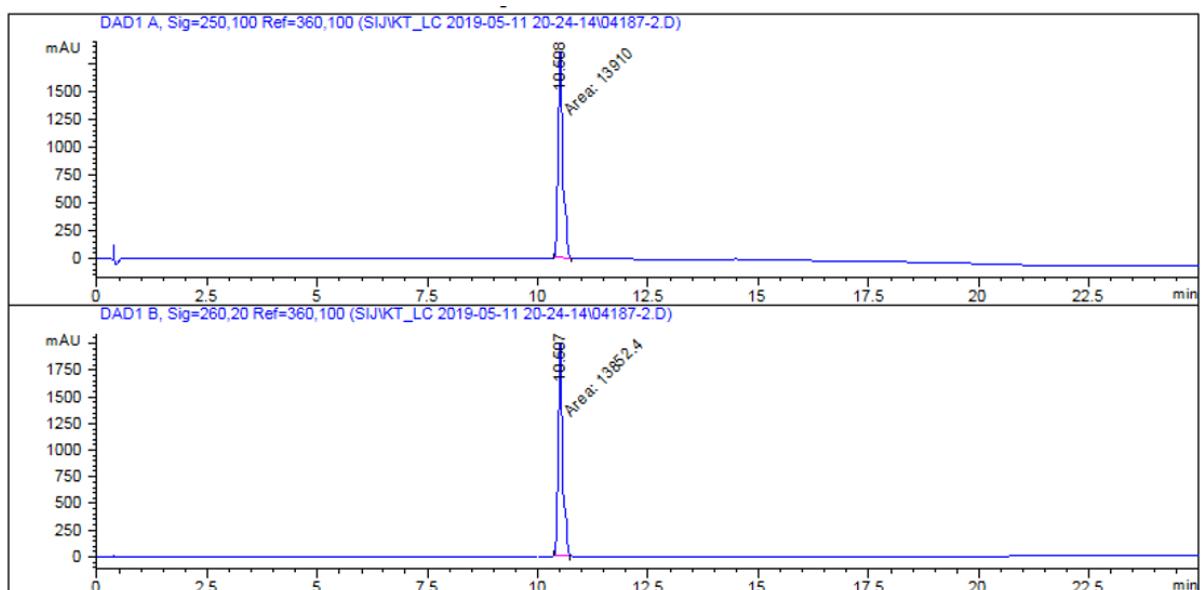
Totals : 1.09788e4 1293.19200

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*** End of Report ***



15e





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Area Percent Report
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Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=250,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	10.508	MM	0.1254	1.39100e4	1848.26172	100.0000

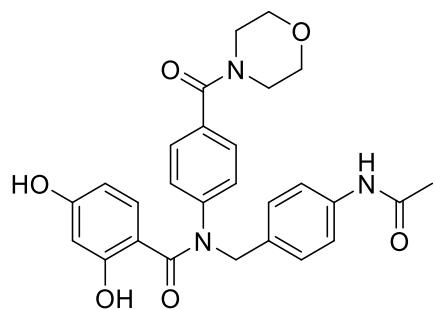
Totals : 1.39100e4 1848.26172

Signal 2: DAD1 B, Sig=260,20 Ref=360,100

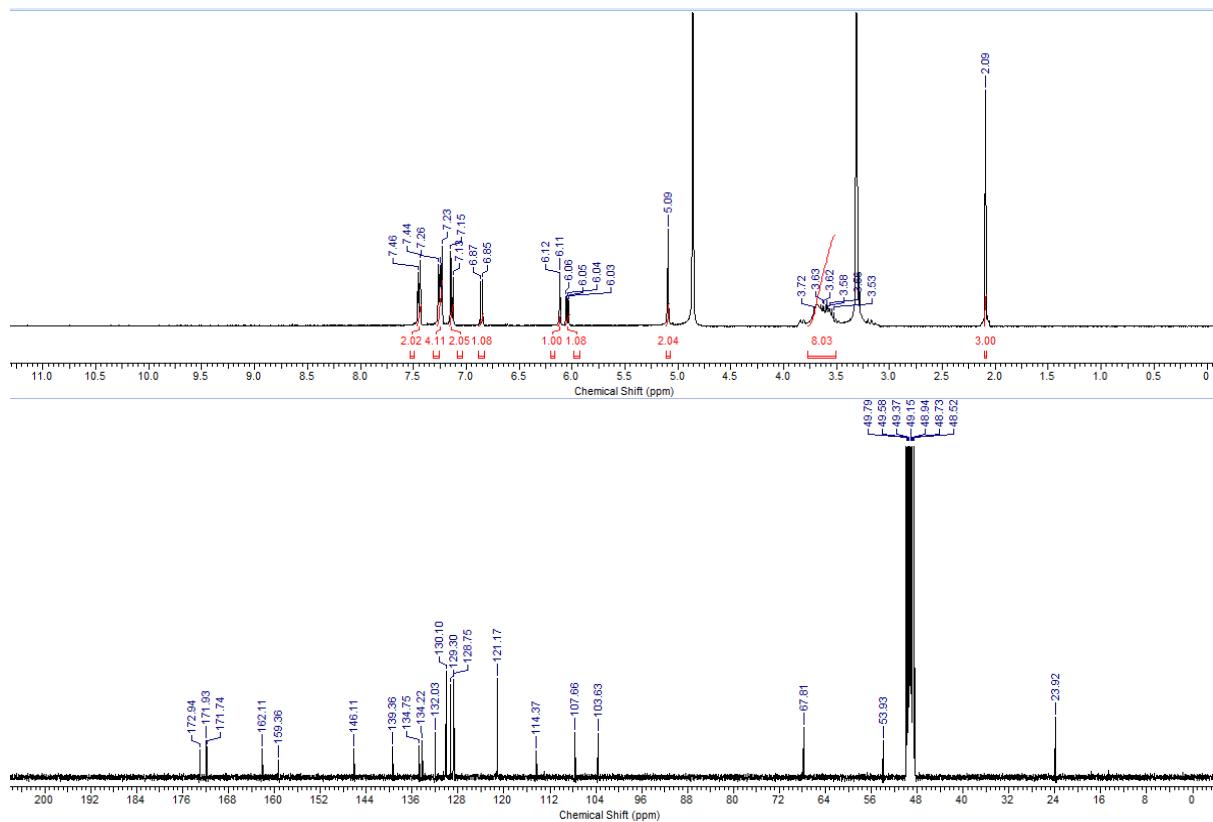
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	10.507	MM	0.1160	1.38524e4	1989.94055	100.0000

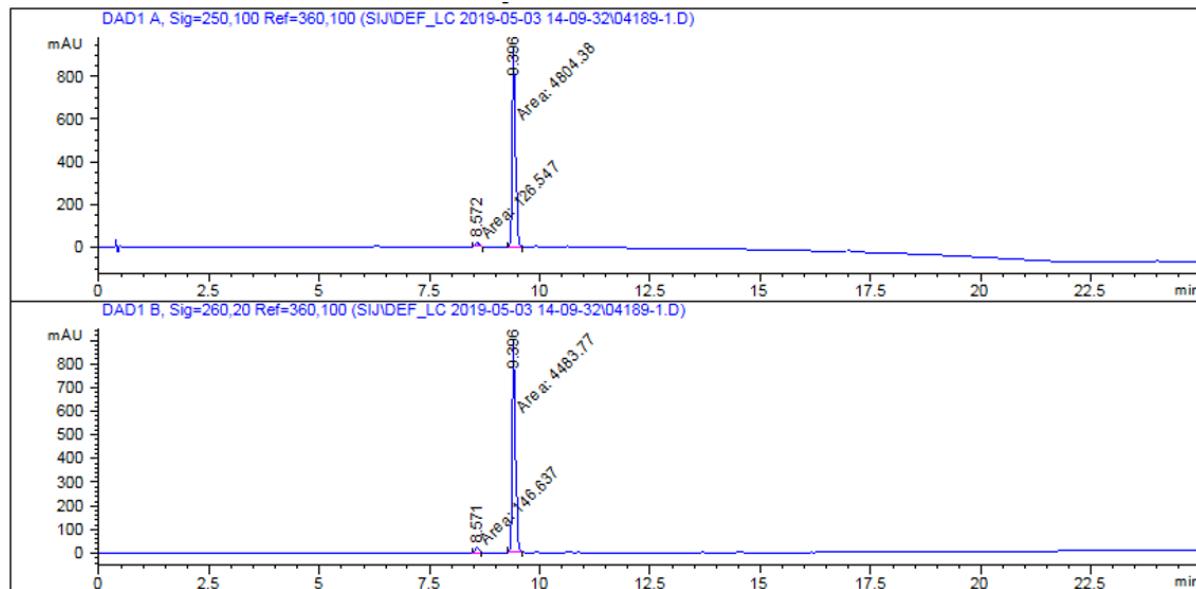
Totals : 1.38524e4 1989.94055

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*** End of Report ***



15f





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Area Percent Report
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Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=250,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	8.572	MM	0.1002	126.54745	21.04344	2.5664
2	9.396	MM	0.0857	4804.37988	934.02991	97.4336

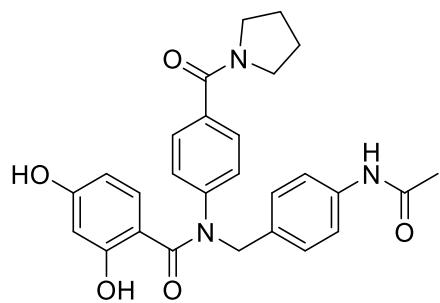
Totals : 4930.92734 955.07334

Signal 2: DAD1 B, Sig=260,20 Ref=360,100

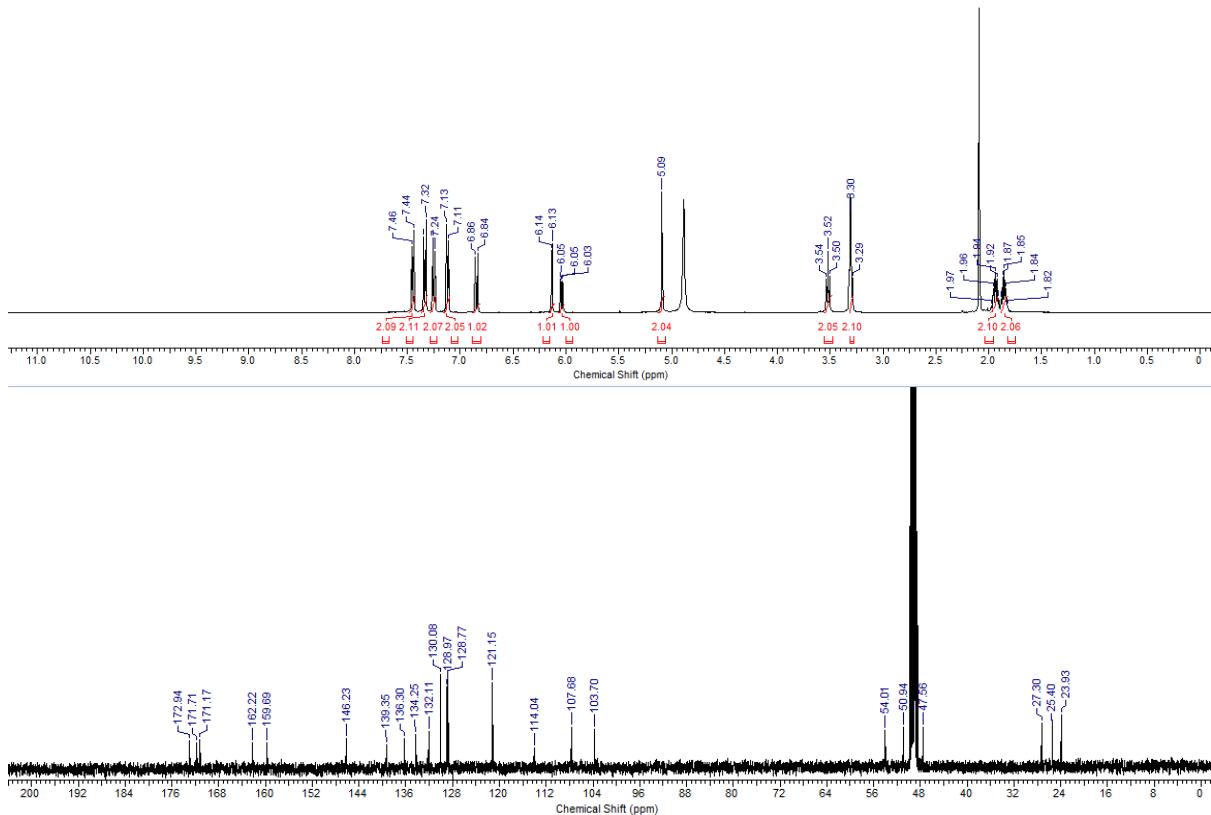
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	8.571	MM	0.1111	146.63745	22.00470	3.1668
2	9.396	MM	0.0830	4483.77441	900.19727	96.8332

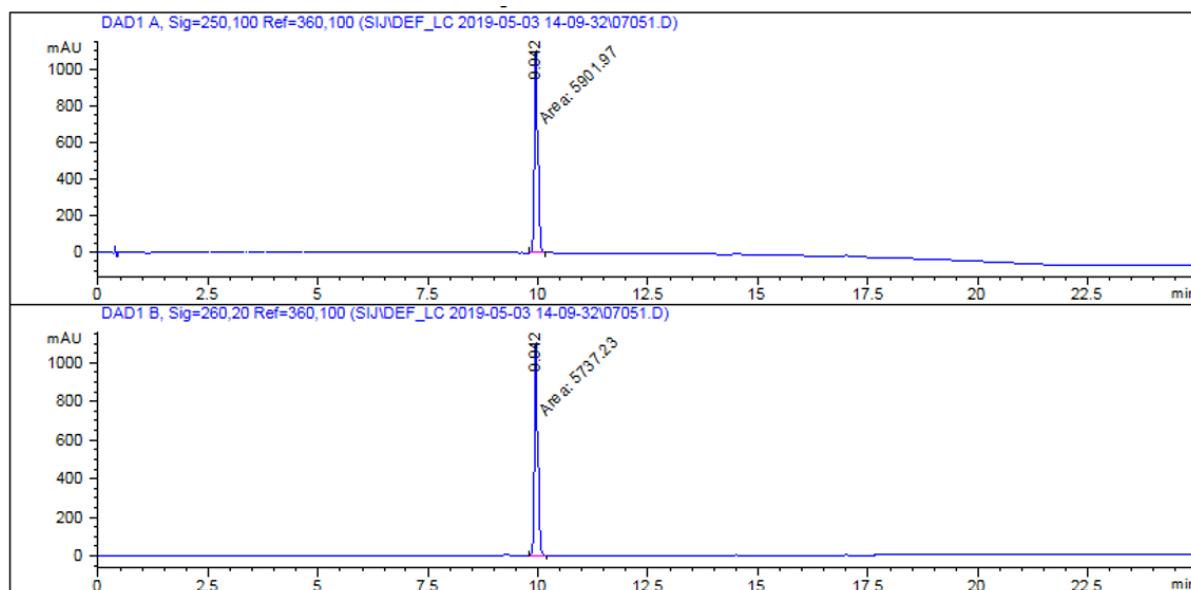
Totals : 4630.41187 922.20197

*** End of Report ***



15g





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Area Percent Report
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Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=250,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	9.942	MM	0.0898	5901.96729	1094.87610	100.0000

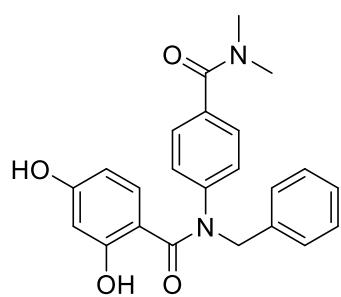
Totals : 5901.96729 1094.87610

Signal 2: DAD1 B, Sig=260,20 Ref=360,100

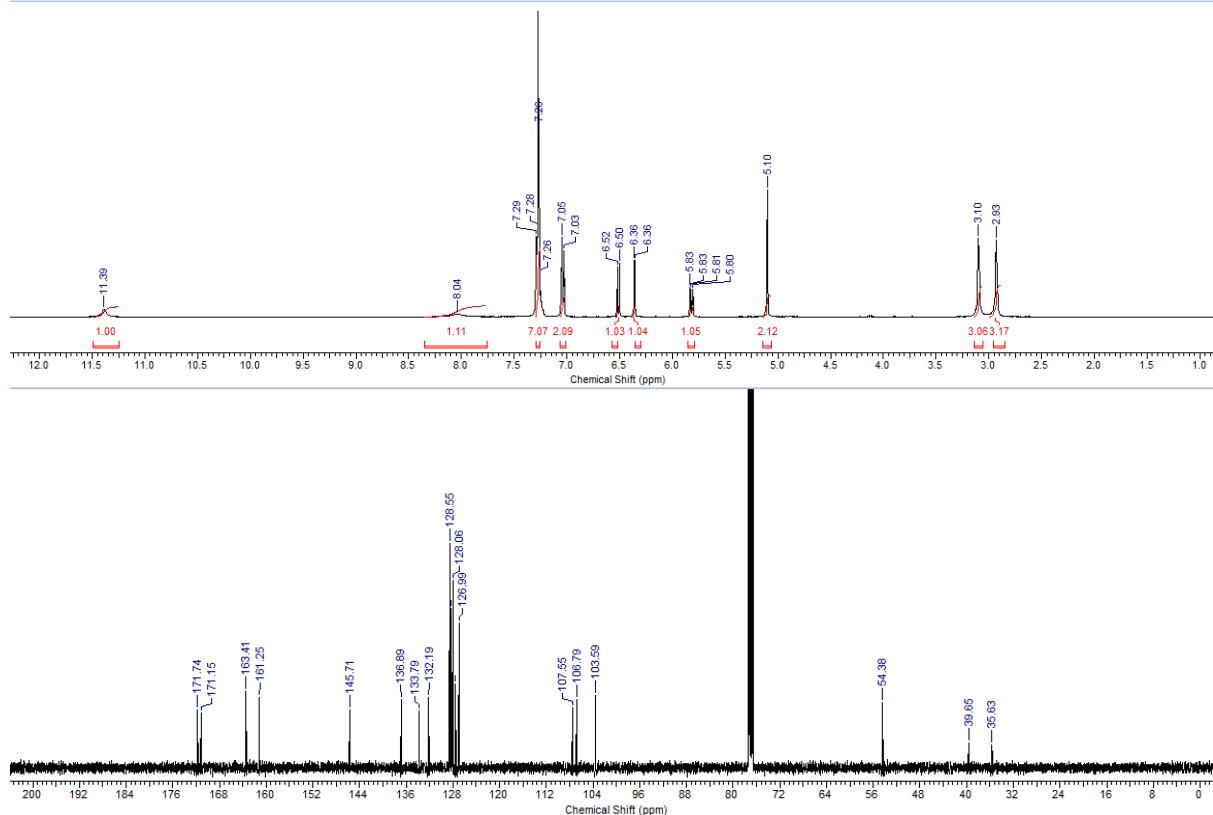
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	9.942	MM	0.0868	5737.23096	1101.74194	100.0000

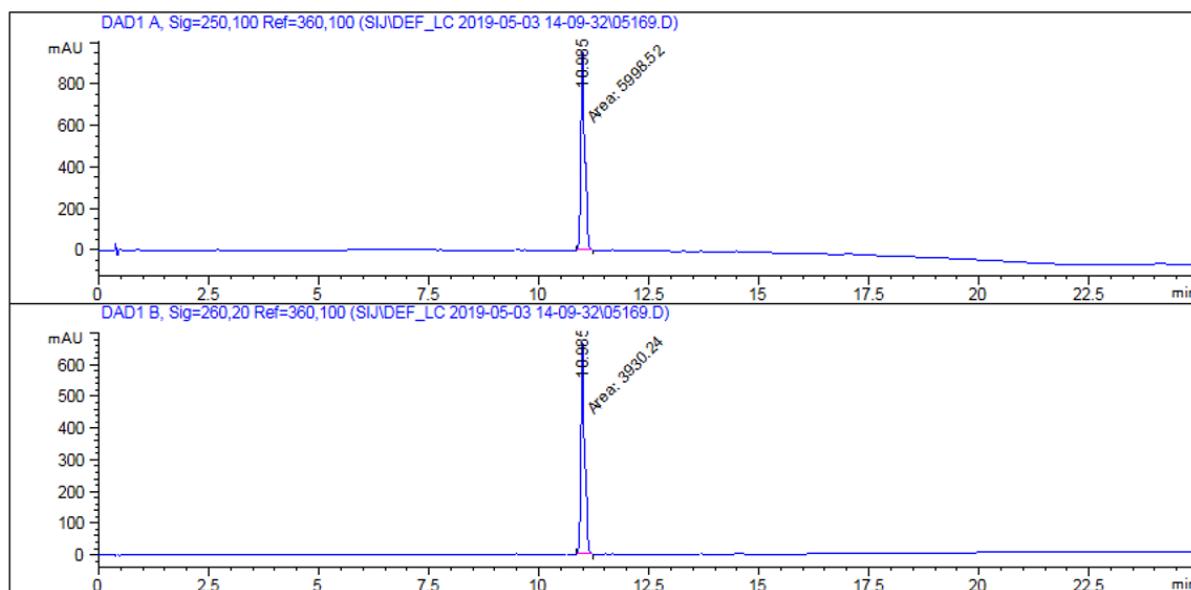
Totals : 5737.23096 1101.74194

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*** End of Report ***



19a





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Area Percent Report
=====

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=250,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	10.985	MM	0.1039	5998.51758	962.58636	100.0000

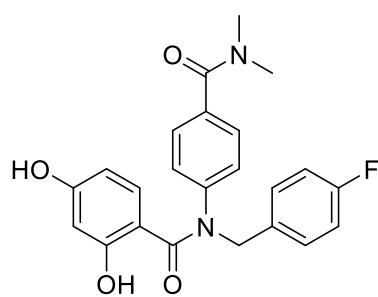
Totals : 5998.51758 962.58636

Signal 2: DAD1 B, Sig=260,20 Ref=360,100

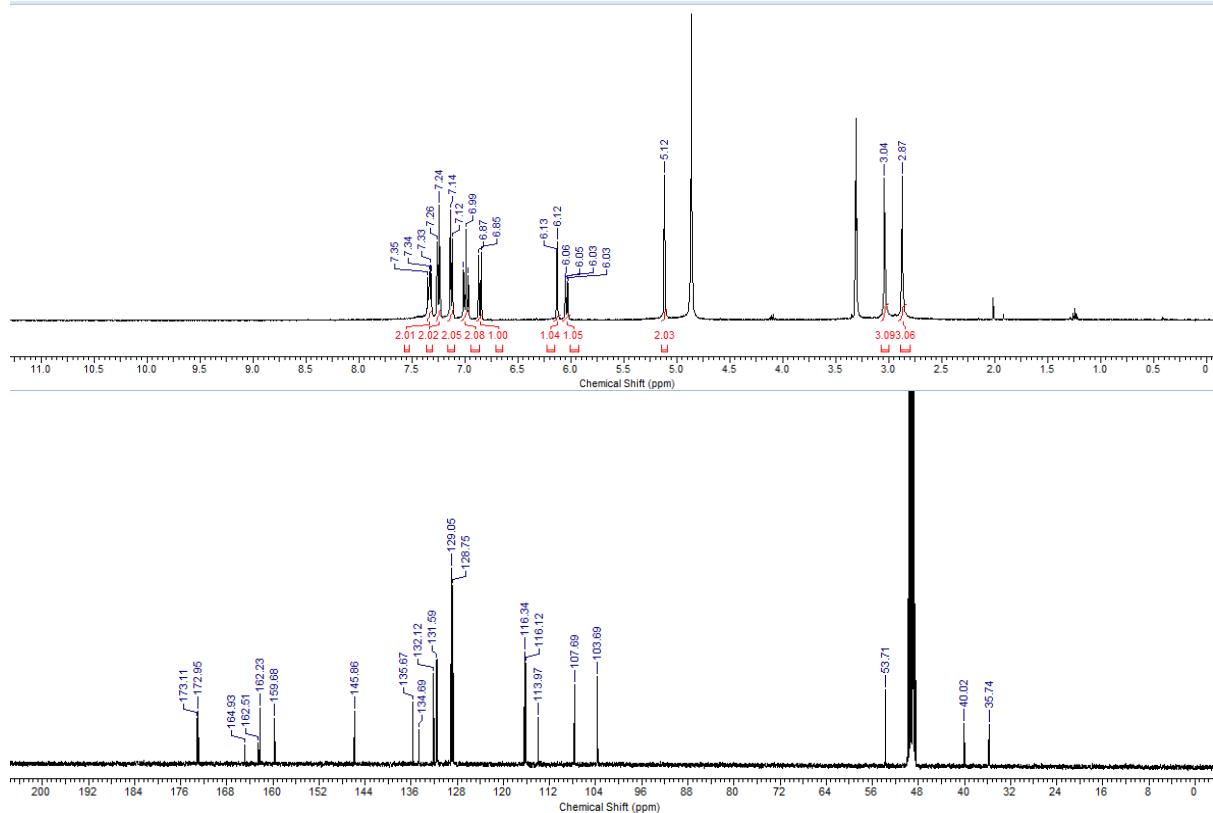
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	10.985	MM	0.0979	3930.23535	668.88855	100.0000

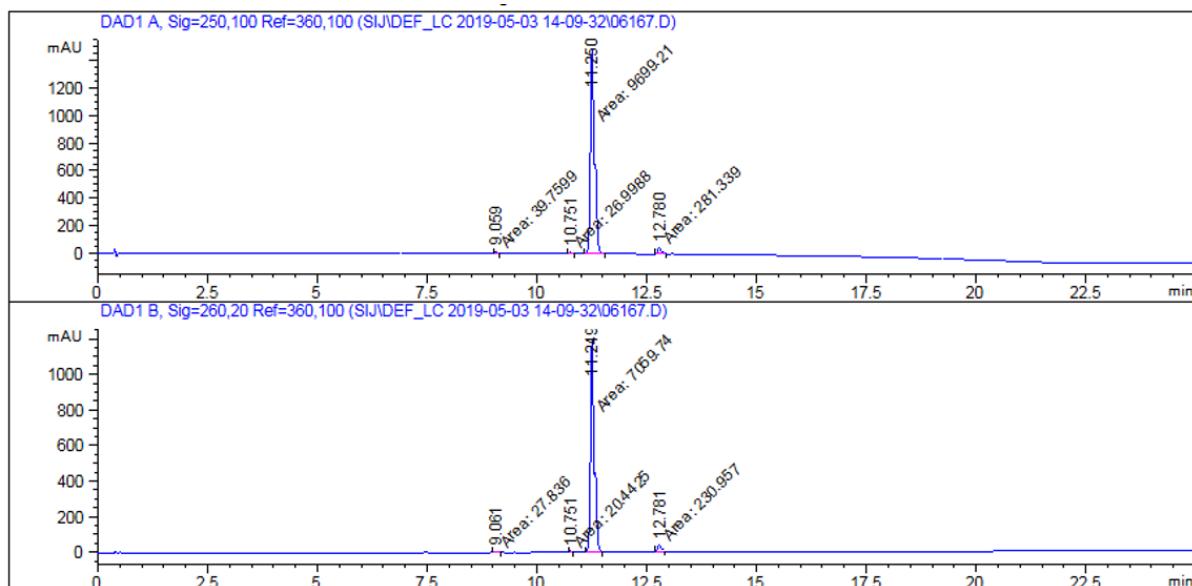
Totals : 3930.23535 668.88855

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*** End of Report ***



19b





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Area Percent Report
=====

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=250,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	9.059	MM	0.0737	39.75994	8.99219	0.3957
2	10.751	MM	0.0568	26.99884	7.92667	0.2687
3	11.250	MM	0.1092	9699.21191	1480.03662	96.5354
4	12.780	MM	0.0963	281.33923	48.70805	2.8001

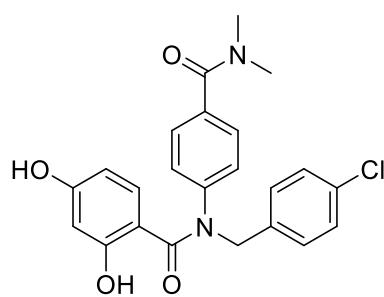
Totals : 1.00473e4 1545.66353

Signal 2: DAD1 B, Sig=260,20 Ref=360,100

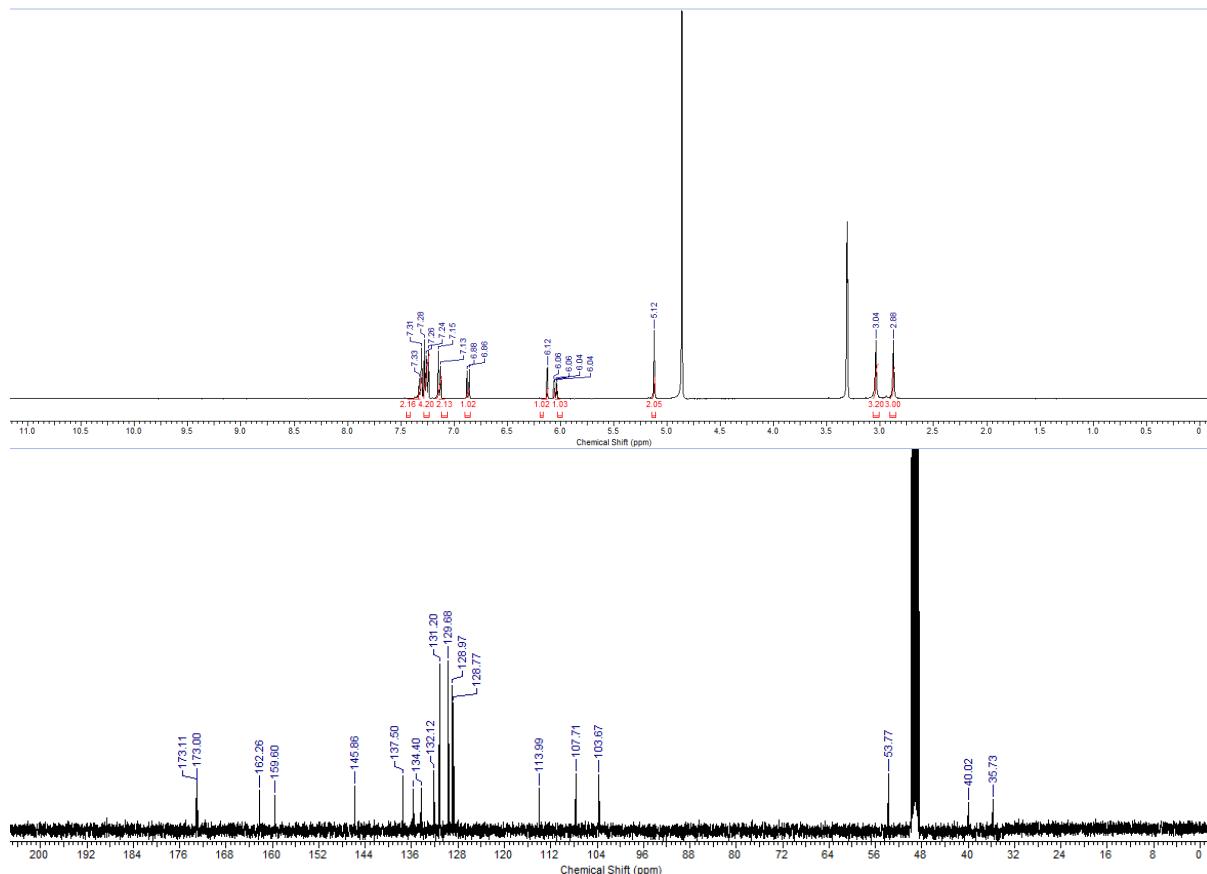
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	9.061	MM	0.0804	27.83599	5.77140	0.3793
2	10.751	MM	0.0584	20.44251	5.83772	0.2785
3	11.249	MM	0.0987	7059.73877	1192.47314	96.1952
4	12.781	MM	0.0914	230.95668	42.10419	3.1470

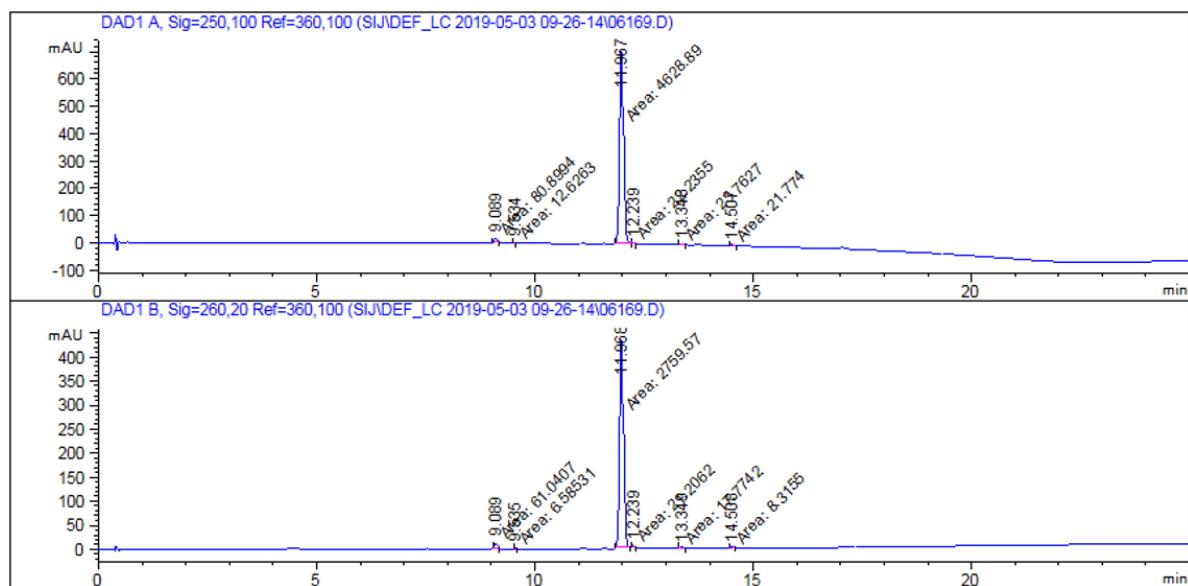
Totals : 7338.97395 1246.18646

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*** End of Report ***



19c





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Area Percent Report
=====

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=250,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	9.089	PM	0.0773	80.89937	17.43159	1.6889
2	9.534	MM	0.0541	12.62630	3.88980	0.2636
3	11.967	MM	0.1091	4628.89404	707.19116	96.6327
4	12.239	MM	0.0770	22.23555	4.81059	0.4642

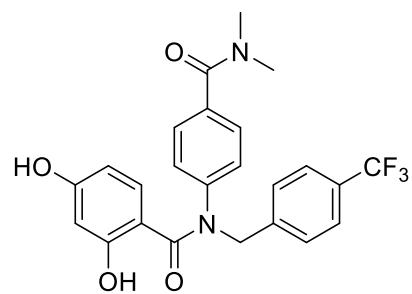
Totals : 4790.19202 740.63109

Signal 2: DAD1 B, Sig=260,20 Ref=360,100

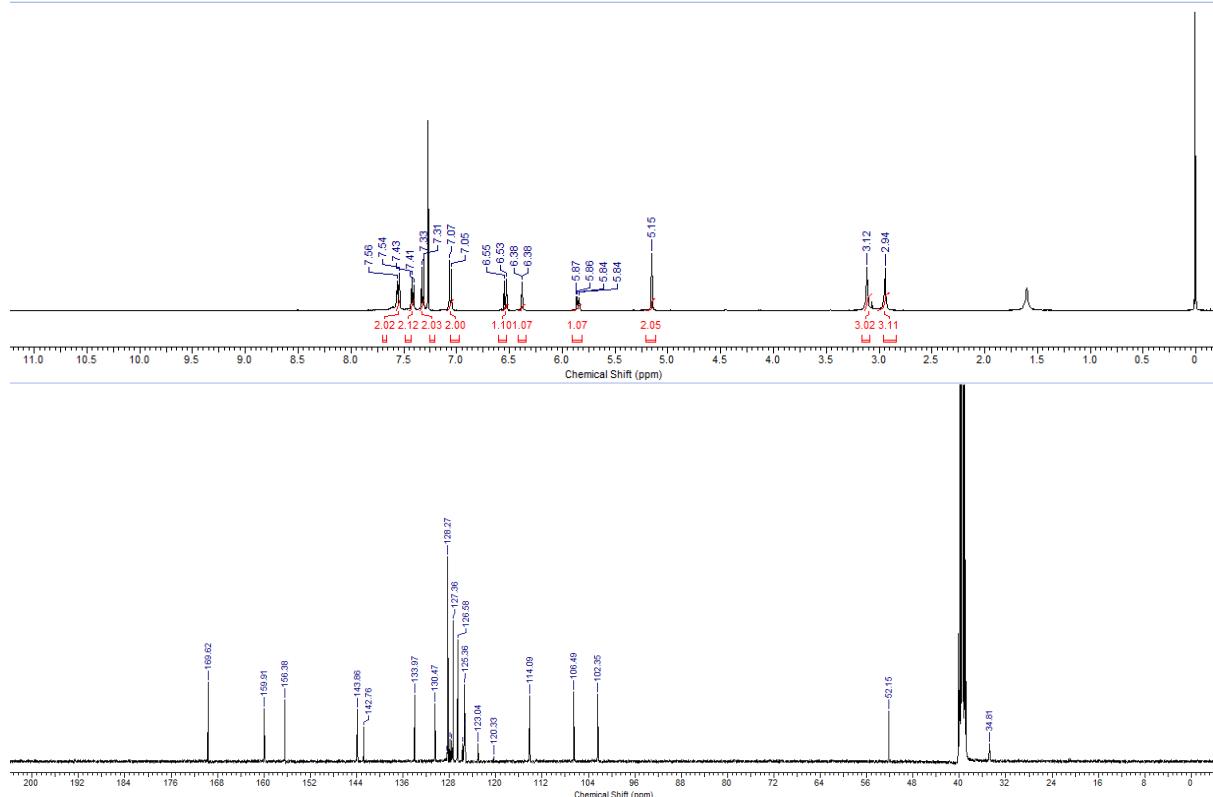
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	9.089	MM	0.0820	61.04067	12.41123	2.1235
2	9.535	MM	0.0500	6.58531	2.19544	0.2291
3	11.968	MM	0.1059	2759.57104	434.36014	96.0020
4	12.239	MM	0.0796	21.20624	4.44218	0.7377
5	13.349	MM	0.1030	17.77416	2.87517	0.6183
6	14.508	MM	0.0816	8.31550	1.69841	0.2893

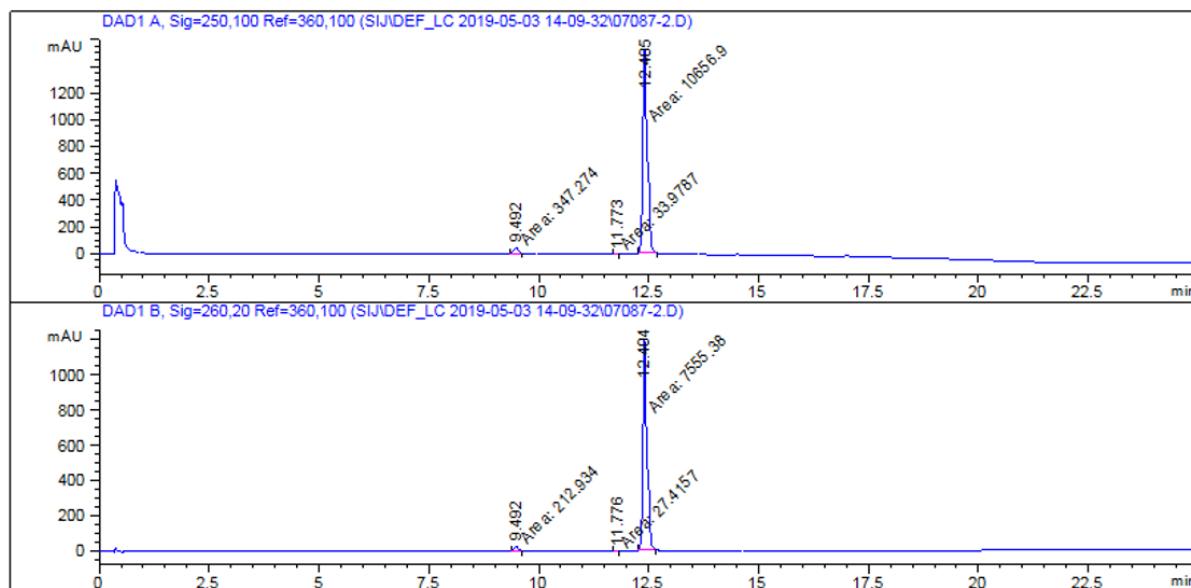
Totals : 2874.49292 457.98256

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*** End of Report ***



19d





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Area Percent Report
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Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

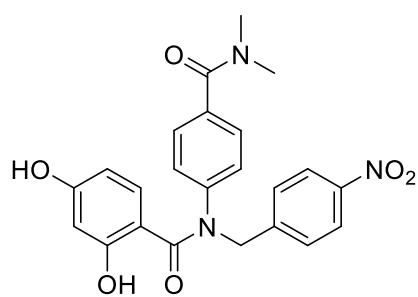
Signal 1: DAD1 A, Sig=250,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	9.492	MM	0.1258	347.27359	46.00436	3.1461
2	11.773	MM	0.0828	33.97869	6.83652	0.3078
3	12.405	MM	0.1168	1.06569e4	1520.95313	96.5460
Totals :						1.10381e4 1573.79401

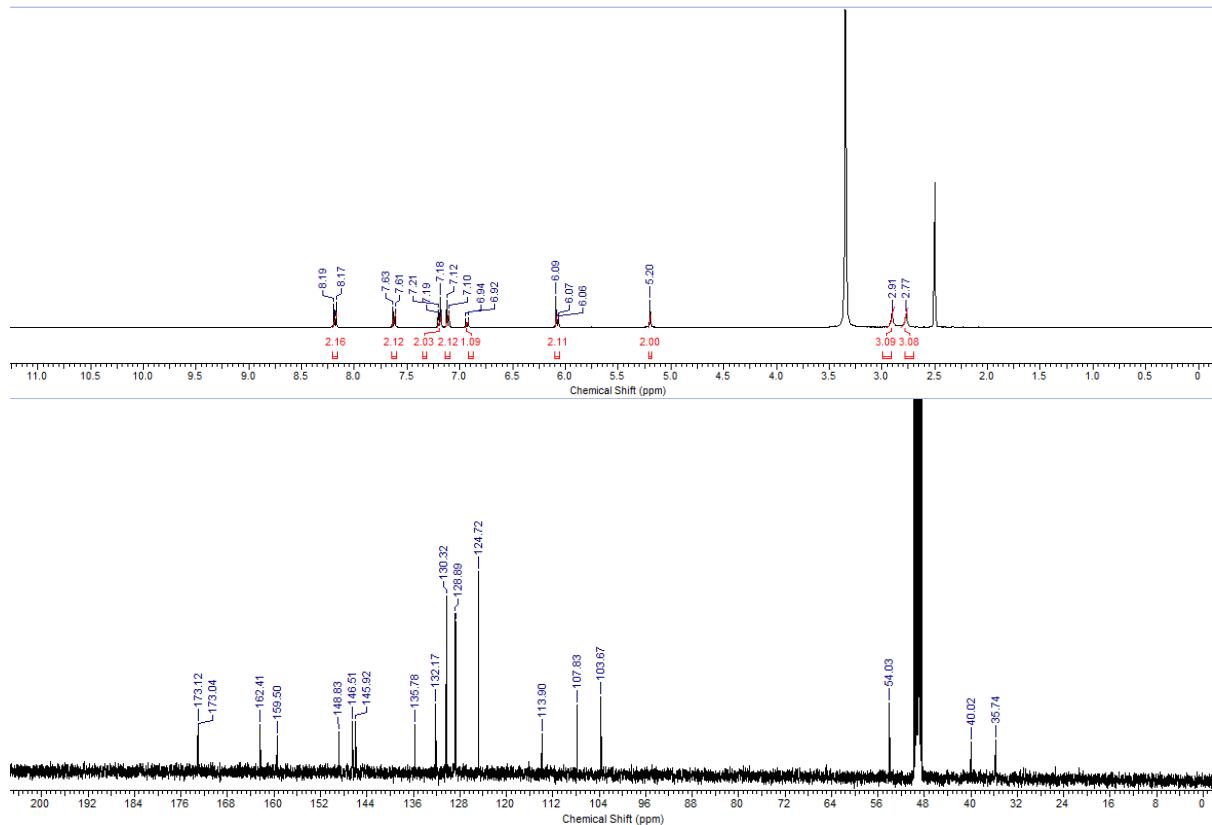
Signal 2: DAD1 B, Sig=260,20 Ref=360,100

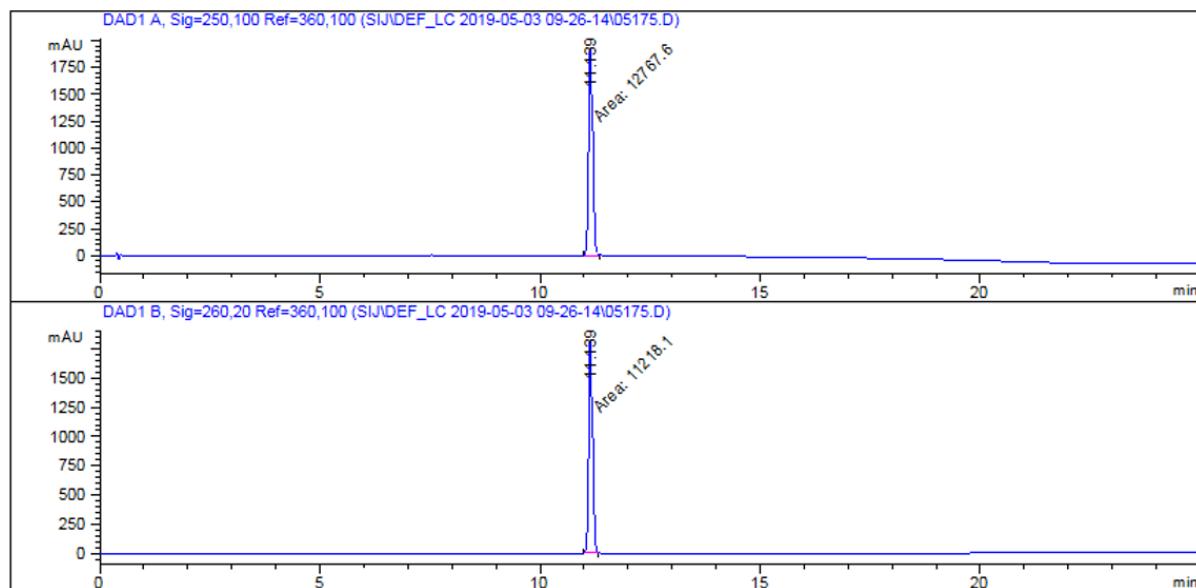
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	9.492	MM	0.1157	212.93420	30.67777	2.7314
2	11.776	MM	0.0778	27.41566	5.87161	0.3517
3	12.404	MM	0.1058	7555.37988	1190.41748	96.9169
Totals :						7795.72975 1226.96686

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*** End of Report ***



19e





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Area Percent Report
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Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=250,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	11.139	MM	0.1110	1.27676e4	1917.67566	100.0000

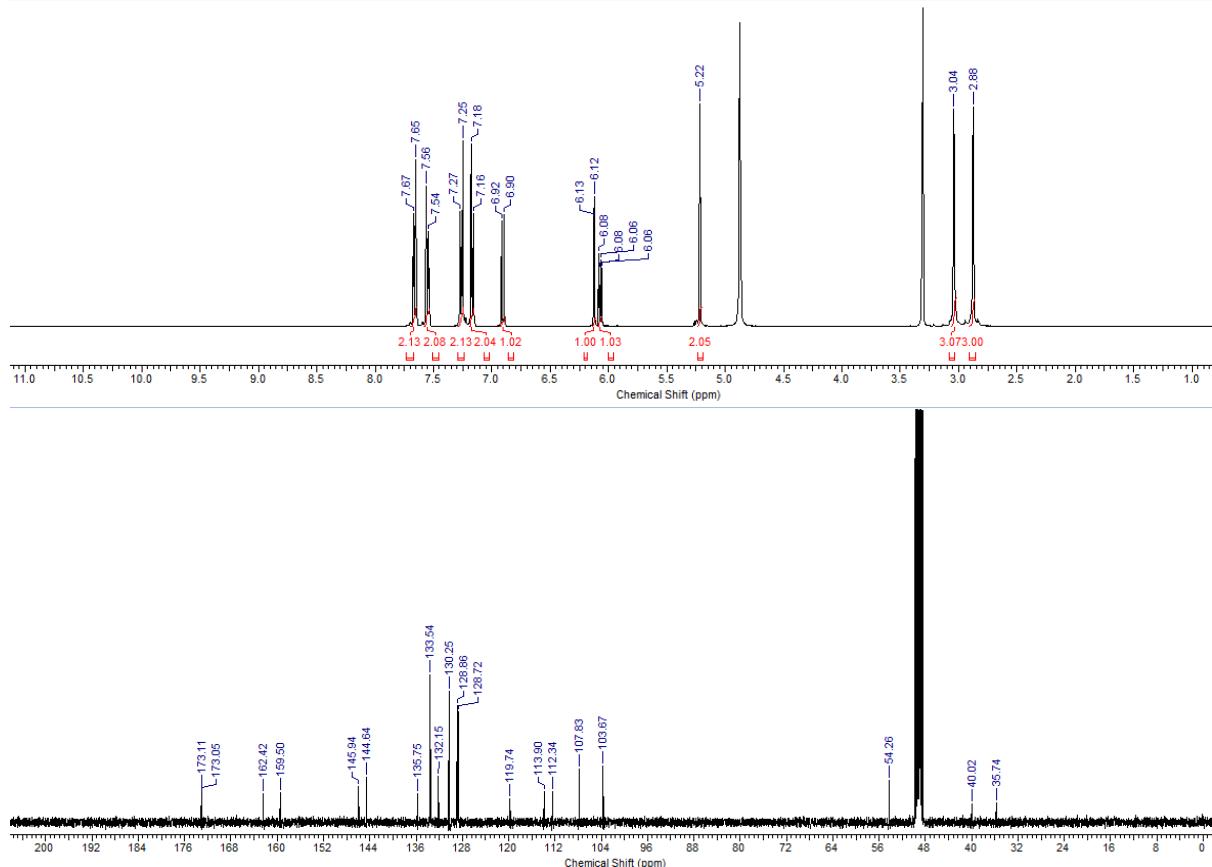
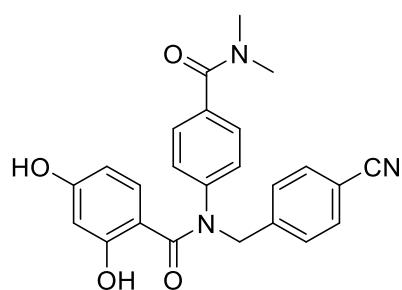
Totals : 1.27676e4 1917.67566

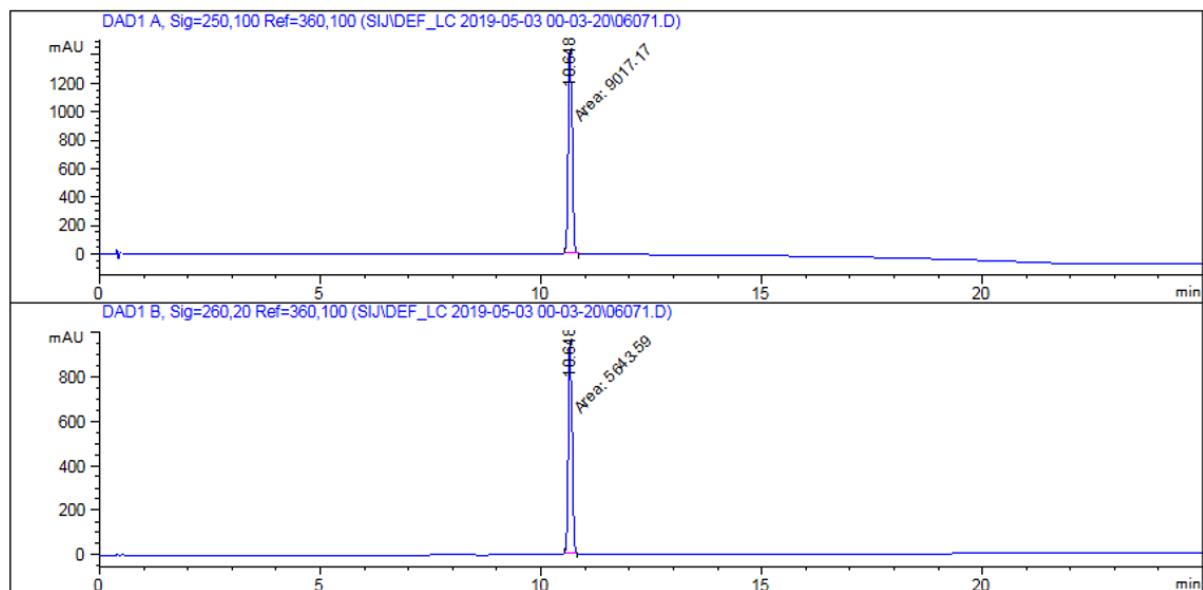
Signal 2: DAD1 B, Sig=260,20 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	11.139	MM	0.1030	1.12181e4	1815.13611	100.0000

Totals : 1.12181e4 1815.13611

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*** End of Report ***





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Area Percent Report
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Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=250,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	10.648	MM	0.1049	9017.17285	1432.85632	100.0000

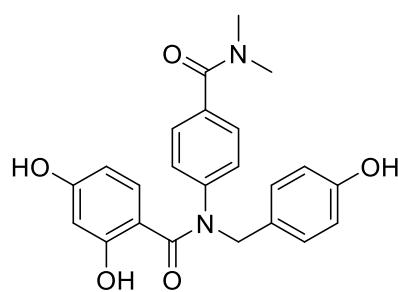
Totals : 9017.17285 1432.85632

Signal 2: DAD1 B, Sig=260,20 Ref=360,100

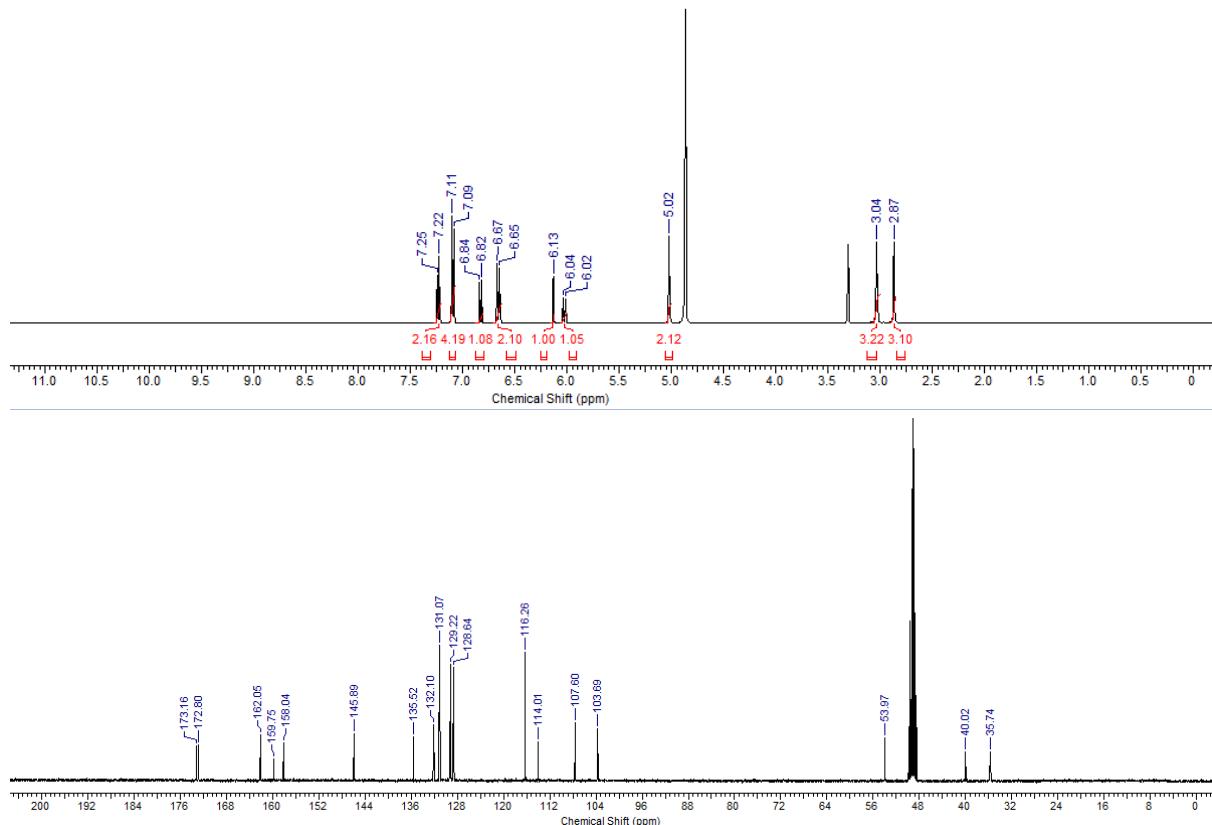
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	10.648	MM	0.0988	5643.59424	952.12854	100.0000

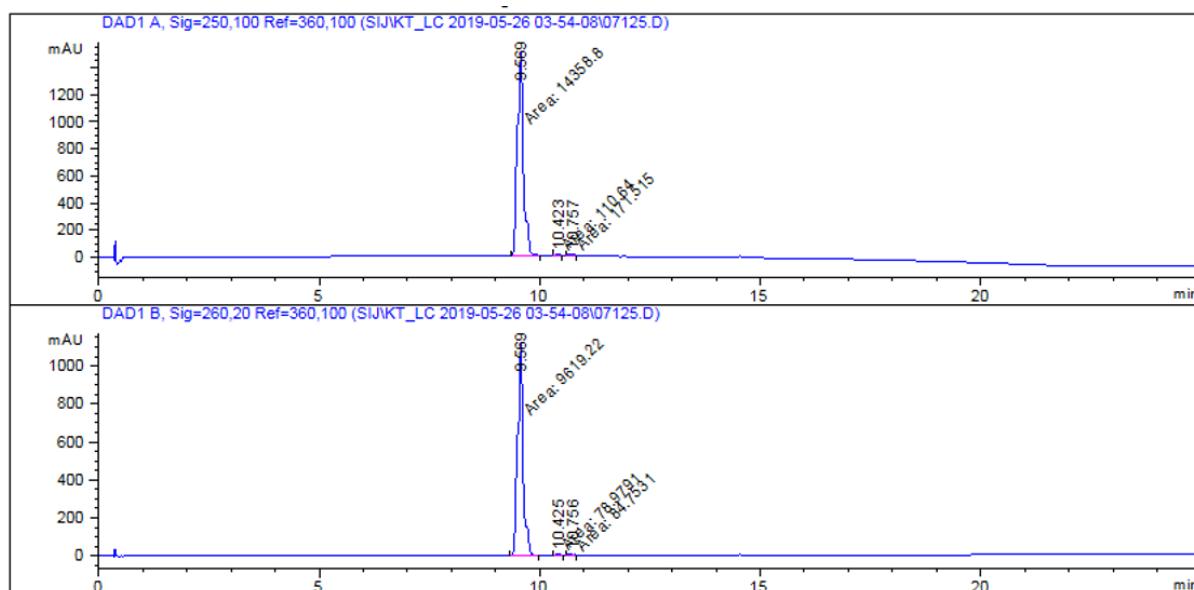
Totals : 5643.59424 952.12854

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*** End of Report ***



19g





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Area Percent Report
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Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=250,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	9.569	MM	0.1593	1.43588e4	1502.39856	98.0728
2	10.423	MM	0.1279	110.63976	14.41566	0.7557
3	10.757	MM	0.1426	171.51543	20.04823	1.1715

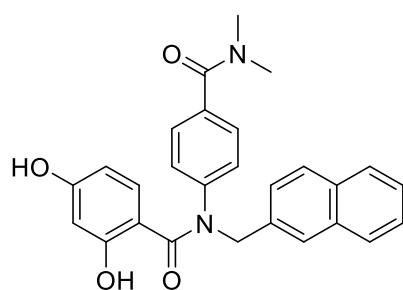
Totals : 1.46410e4 1536.86245

Signal 2: DAD1 B, Sig=260,20 Ref=360,100

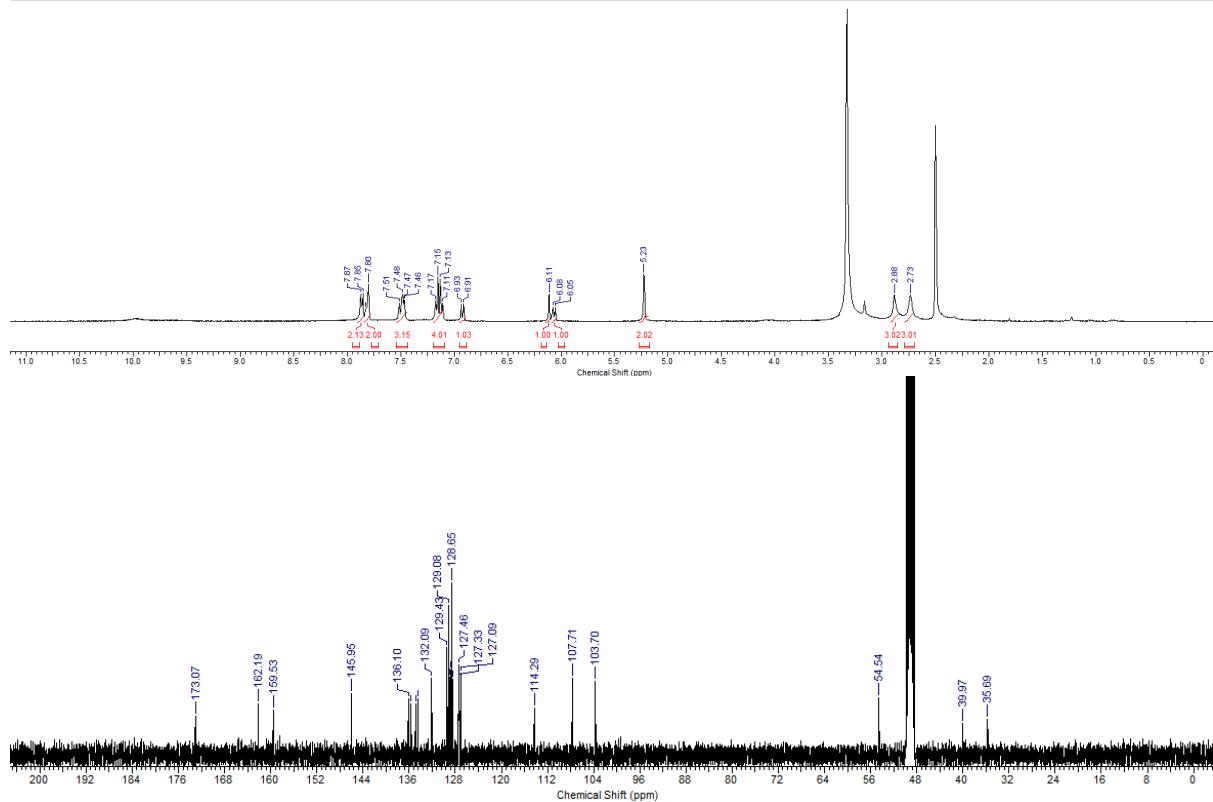
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	9.569	MM	0.1432	9619.22168	1119.91541	98.3264
2	10.425	MM	0.1175	78.97906	11.20612	0.8073
3	10.756	MM	0.1530	84.75314	9.23039	0.8663

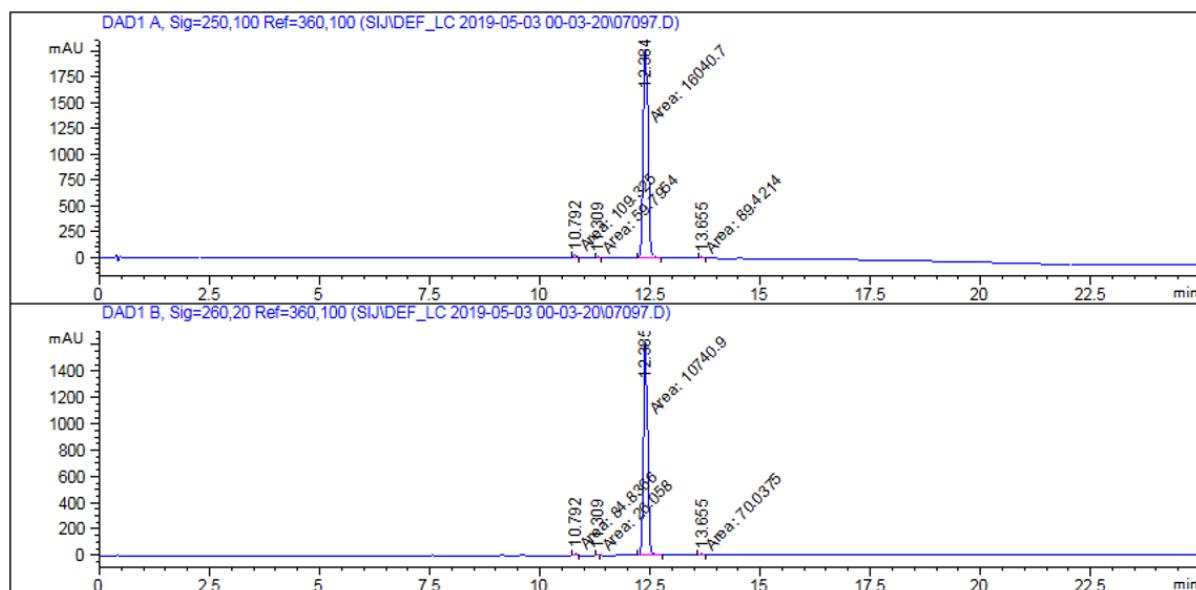
Totals : 9782.95388 1140.35191

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*** End of Report ***



19h





Area Percent Report

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=250,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	10.792	MM	0.0853	109.32453	21.35328	0.6707
2	11.309	MM	0.0866	59.79539	11.50476	0.3669
3	12.384	MM	0.1334	1.60407e4	2004.63989	98.4138
4	13.655	MM	0.1012	89.42139	14.72757	0.5486

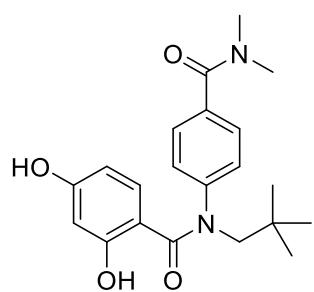
Totals : 1.62993e4 2052.22551

Signal 2: DAD1 B, Sig=260,20 Ref=360,100

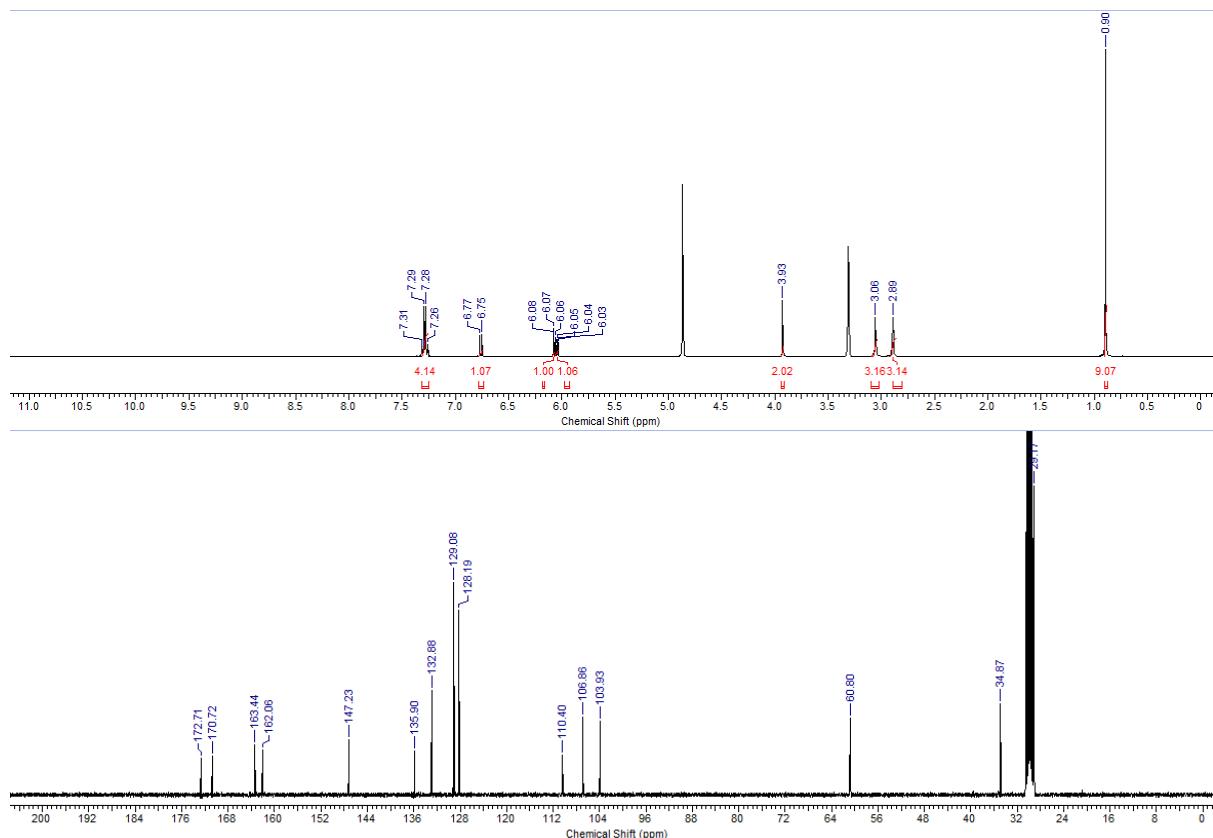
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	10.792	MM	0.0912	84.83656	15.49893	0.7768
2	11.309	MM	0.0741	26.05797	5.86331	0.2386
3	12.385	MM	0.1103	1.07409e4	1622.57117	98.3434
4	13.655	MM	0.1109	70.03749	10.52829	0.6413

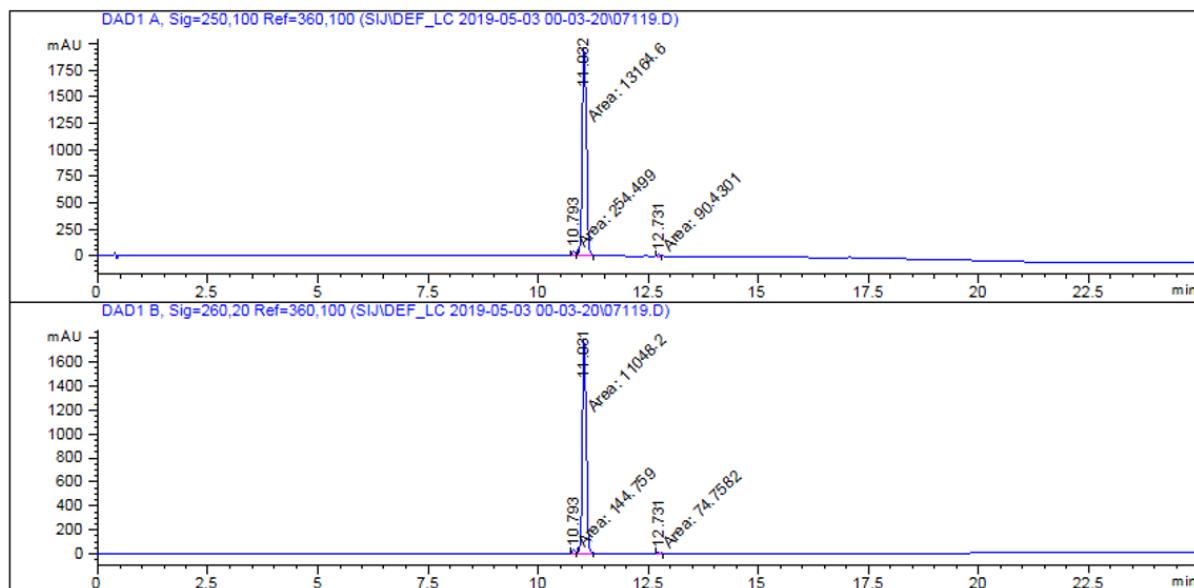
Totals : 1.09218e4 1654.46169

*** End of Report ***



19i





Area Percent Report

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=250,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	10.793	MM	0.0924	254.49925	45.88638	1.8838
2	11.032	MM	0.1127	1.31646e4	1946.19922	97.4468
3	12.731	MM	0.0937	90.43014	16.09207	0.6694

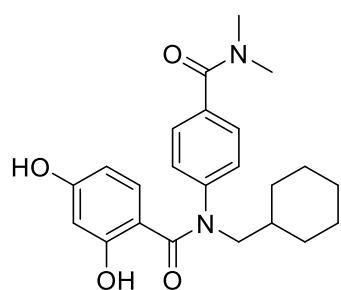
Totals : 1.35096e4 2008.17767

Signal 2: DAD1 B, Sig=260,20 Ref=360,100

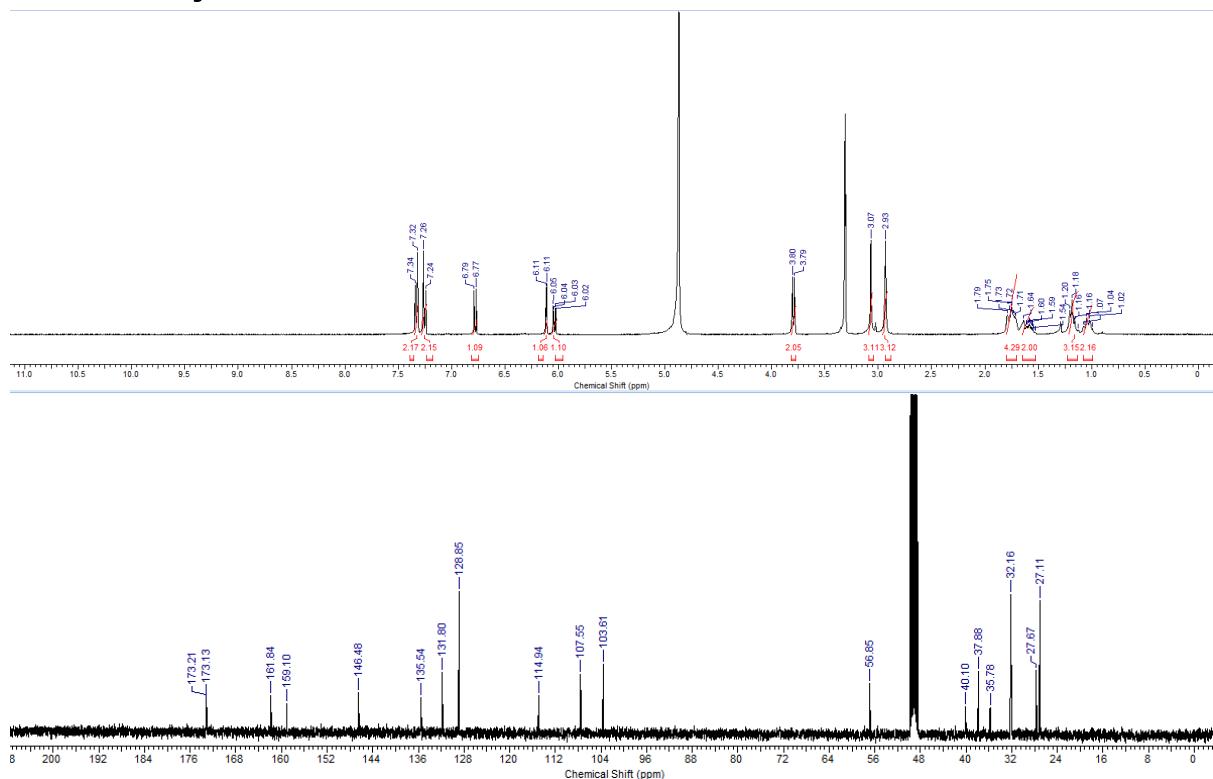
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	10.793	MM	0.0863	144.75882	27.96117	1.2847
2	11.031	MM	0.1035	1.10482e4	1779.70227	98.0518
3	12.731	MM	0.0909	74.75819	13.71226	0.6635

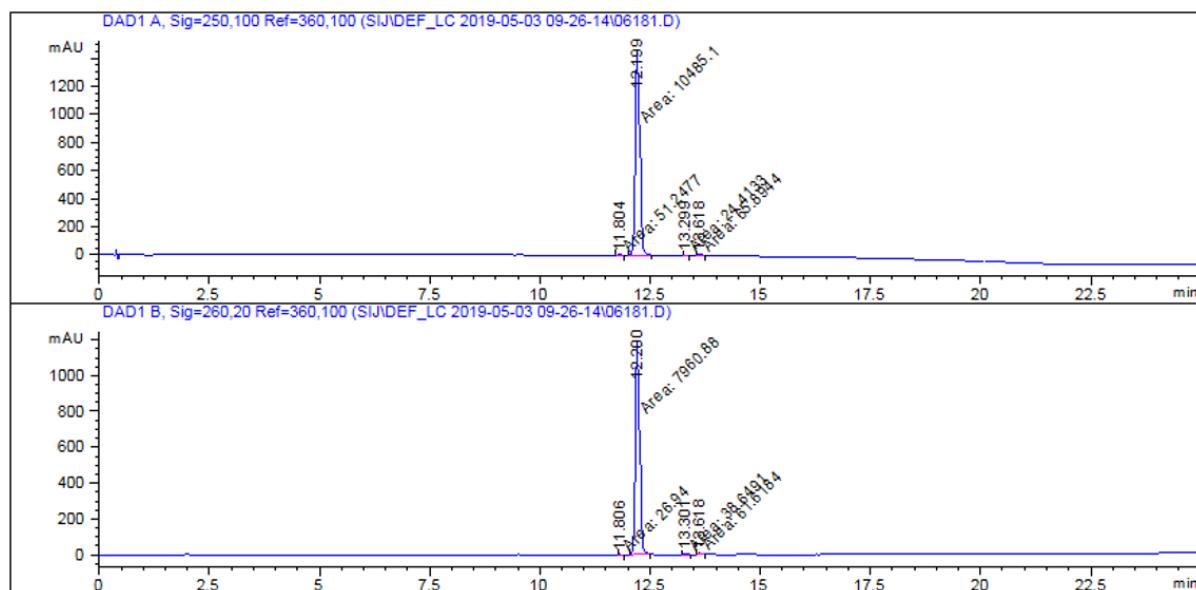
Totals : 1.12677e4 1821.37570

*** End of Report ***



19j





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Area Percent Report
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Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=250,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	11.804	MM	0.1323	51.24770	6.45628	0.4823
2	12.199	MM	0.1199	1.04851e4	1457.89673	98.6679
3	13.299	MM	0.0923	24.41332	4.40805	0.2297
4	13.618	MM	0.1218	65.89442	9.01690	0.6201

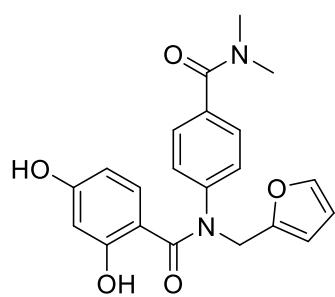
Totals : 1.06266e4 1477.77795

Signal 2: DAD1 B, Sig=260,20 Ref=360,100

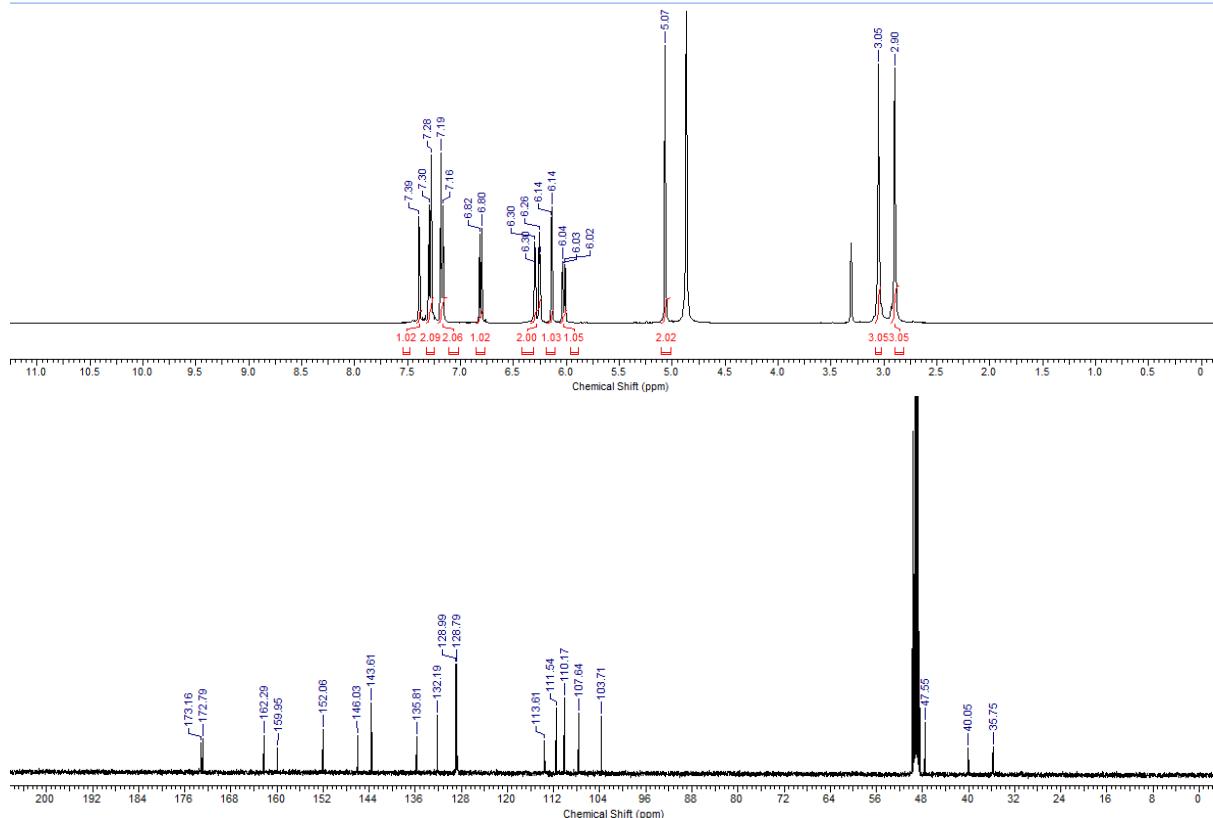
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	11.806	MM	0.1294	26.94003	3.46856	0.3331
2	12.200	MM	0.1118	7960.87939	1186.56592	98.4272
3	13.301	MM	0.1179	38.64913	5.46530	0.4779
4	13.618	MM	0.1144	61.61844	8.97638	0.7618

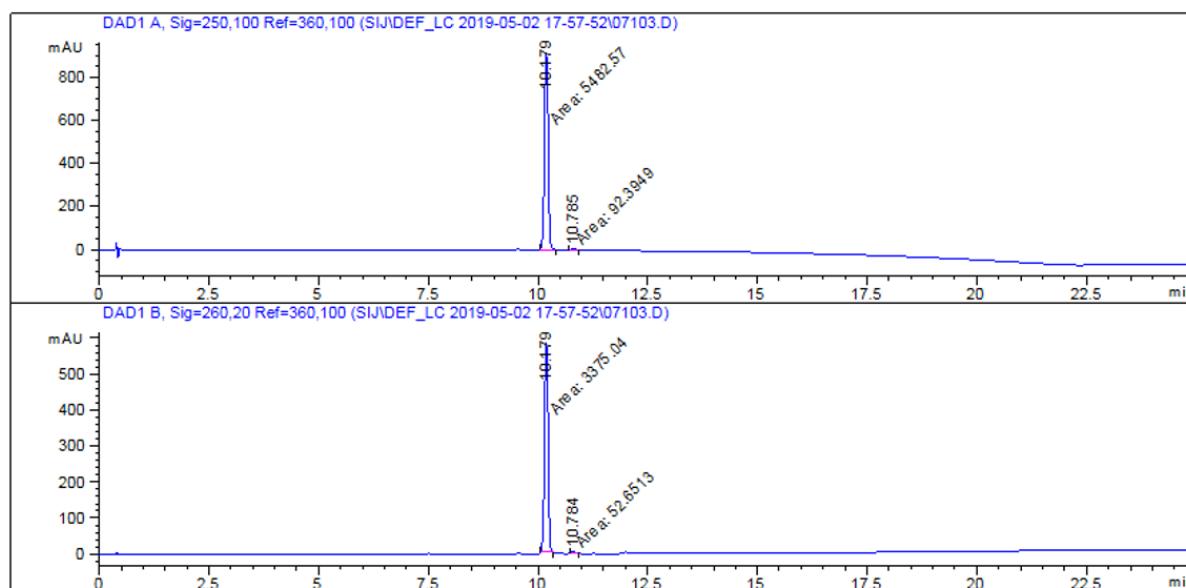
Totals : 8088.08699 1204.47616

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*** End of Report ***



19k





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Area Percent Report
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Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=250,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	10.179	MM	0.0998	5482.57422	915.97937	98.3427
2	10.785	MM	0.1422	92.39491	10.82998	1.6573

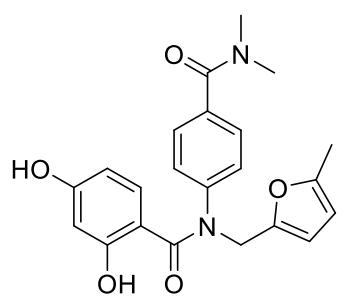
Totals : 5574.96912 926.80935

Signal 2: DAD1 B, Sig=260,20 Ref=360,100

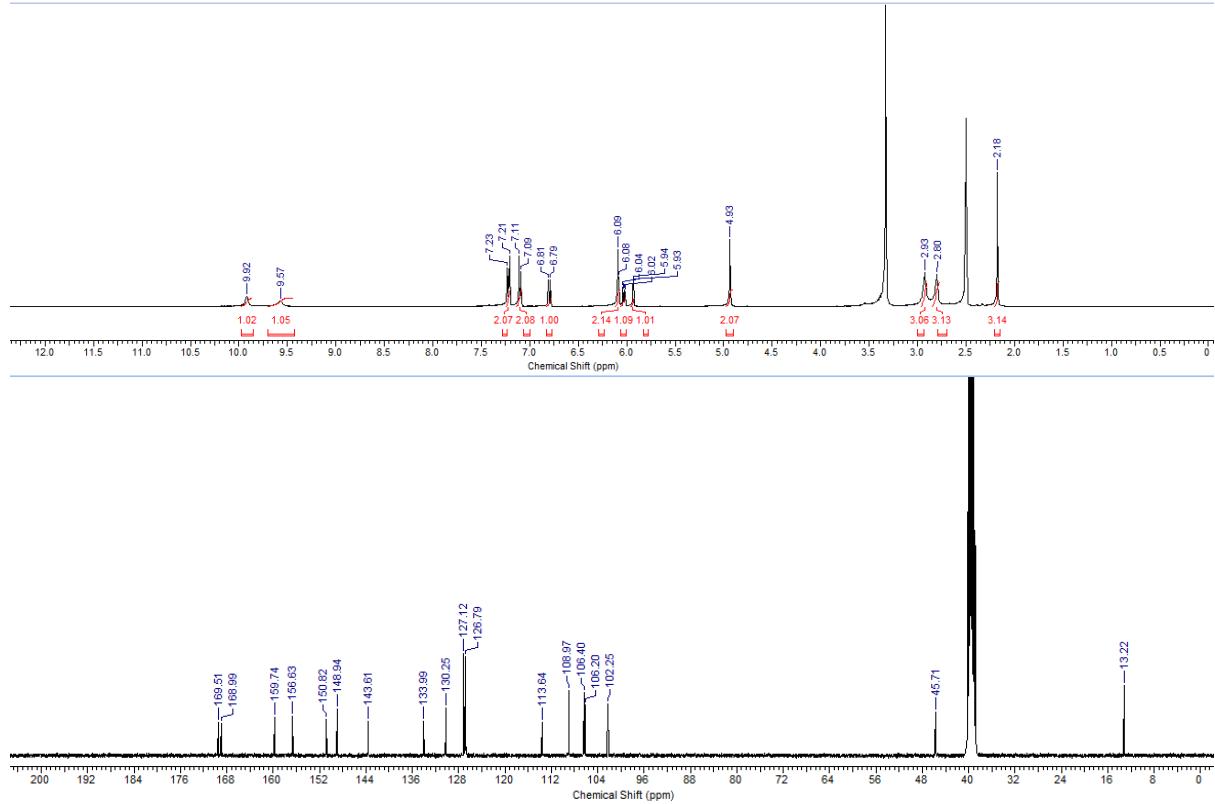
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	10.179	MM	0.0962	3375.03687	584.92133	98.4639
2	10.784	MM	0.1286	52.65127	6.82528	1.5361

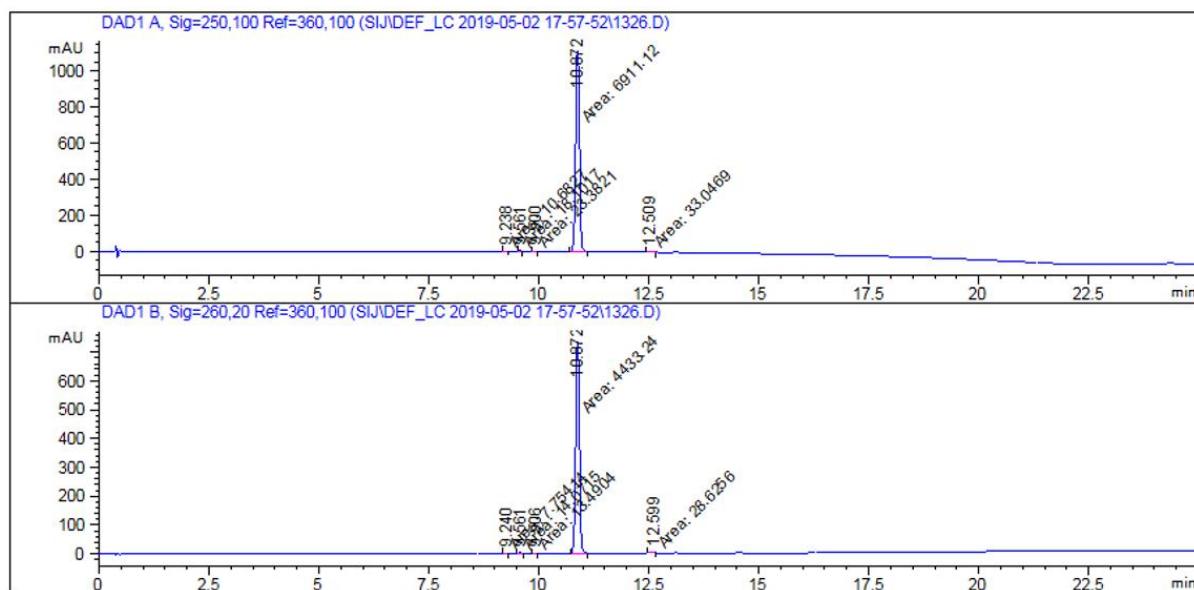
Totals : 3427.68813 591.74660

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*** End of Report ***



19l





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Area Percent Report
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Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=250,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	9.238	MM	0.0739	10.68271	2.40903	0.1527
2	9.561	MM	0.0730	18.10166	4.13111	0.2587
3	9.900	MM	0.1059	23.38212	3.67979	0.3342
4	10.872	MM	0.1034	6911.11523	1113.60657	98.7820

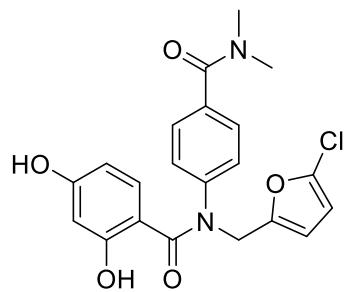
Totals : 6996.32864 1127.66690

Signal 2: DAD1 B, Sig=260,20 Ref=360,100

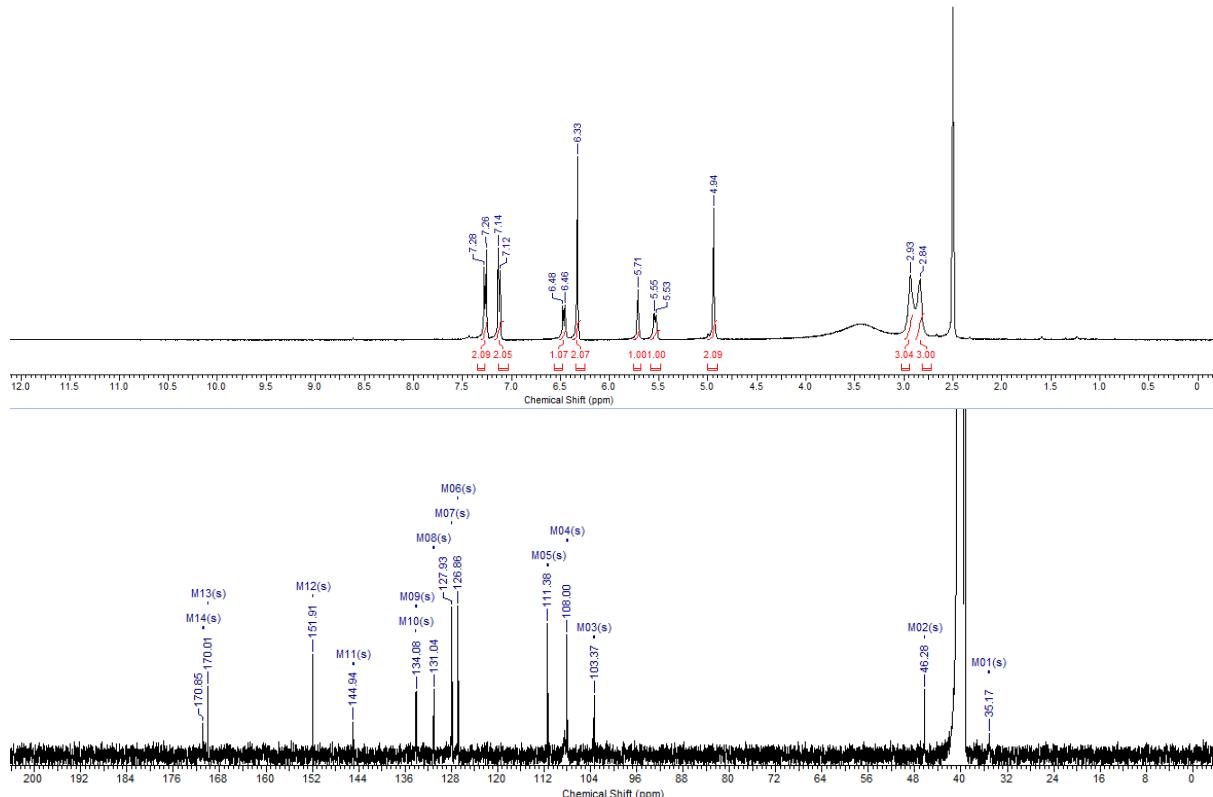
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	9.240	MM	0.0792	7.75414	1.63088	0.1724
2	9.561	MM	0.0769	14.07149	3.04780	0.3129
3	9.906	MM	0.0987	13.49039	2.27889	0.3000
4	10.872	MM	0.1005	4433.24268	735.14679	98.5782
5	12.599	MM	0.1466	28.62562	3.25493	0.6365

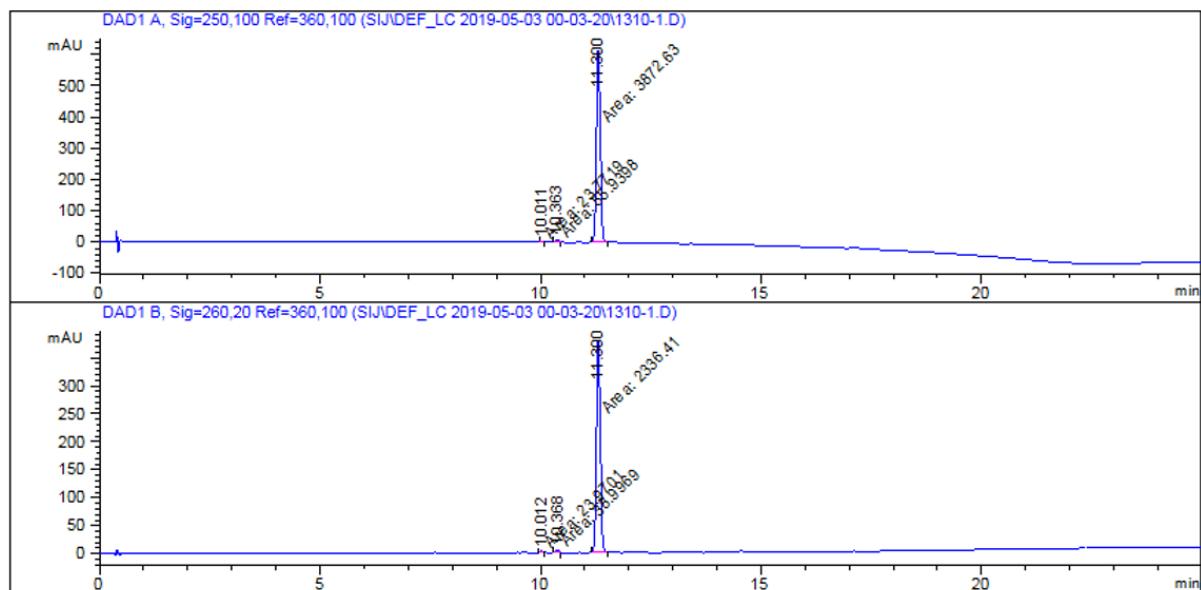
Totals : 4497.18432 745.35929

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*** End of Report ***



19m





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Area Percent Report
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Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=250,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	10.011	MM	0.0924	23.77186	4.28813	0.6015
2	10.363	MM	0.1232	55.93979	7.57023	1.4154
3	11.300	MM	0.1045	3872.63110	617.39105	97.9832

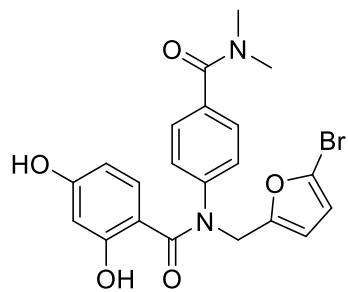
Totals : 3952.34275 629.24941

Signal 2: DAD1 B, Sig=260,20 Ref=360,100

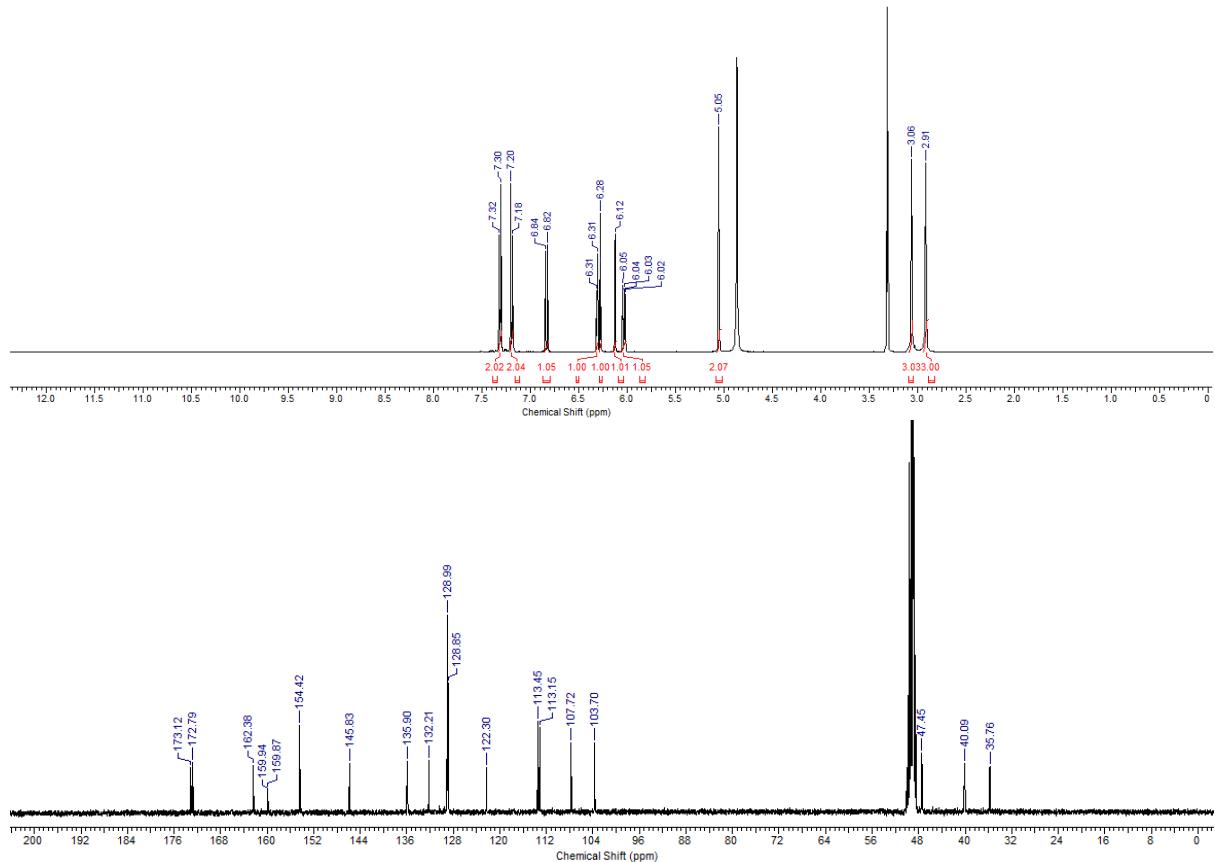
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	10.012	MM	0.0959	23.97010	4.16516	0.9990
2	10.368	MM	0.1214	38.99691	5.35334	1.6253
3	11.300	MM	0.1032	2336.40674	377.17880	97.3757

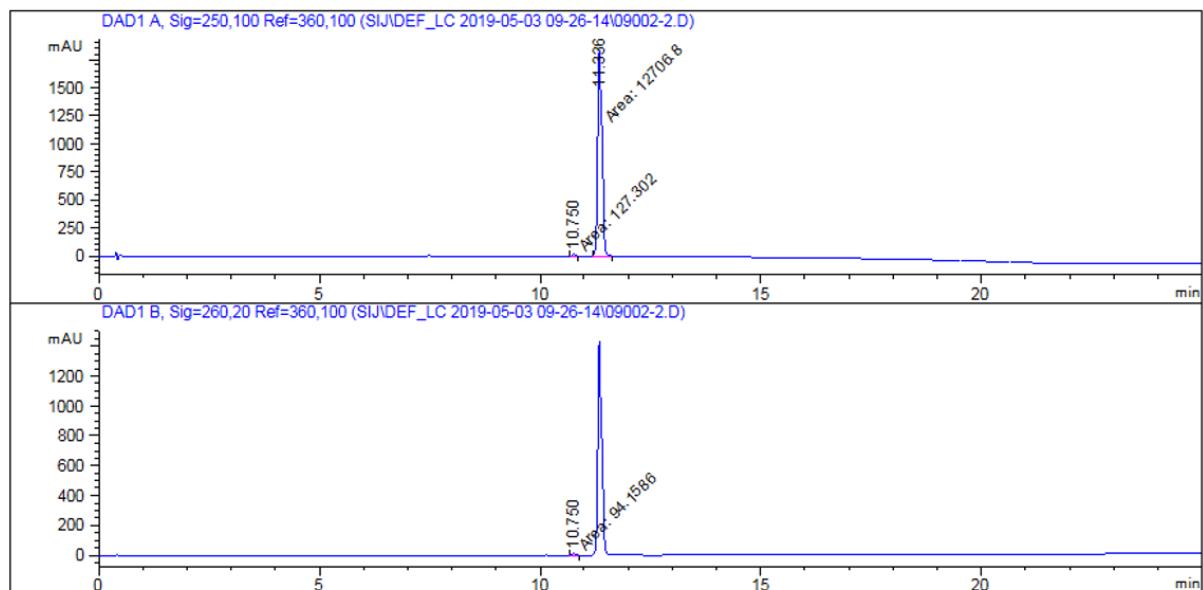
Totals : 2399.37375 386.69731

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*** End of Report ***



19n





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

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=250,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	10.750	MM	0.1068	127.30228	19.85884	0.9919
2	11.336	MM	0.1148	1.27068e4	1845.39954	99.0081

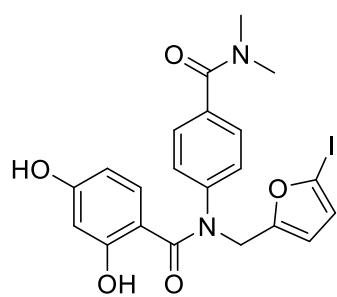
Totals : 1.28341e4 1865.25838

Signal 2: DAD1 B, Sig=260,20 Ref=360,100

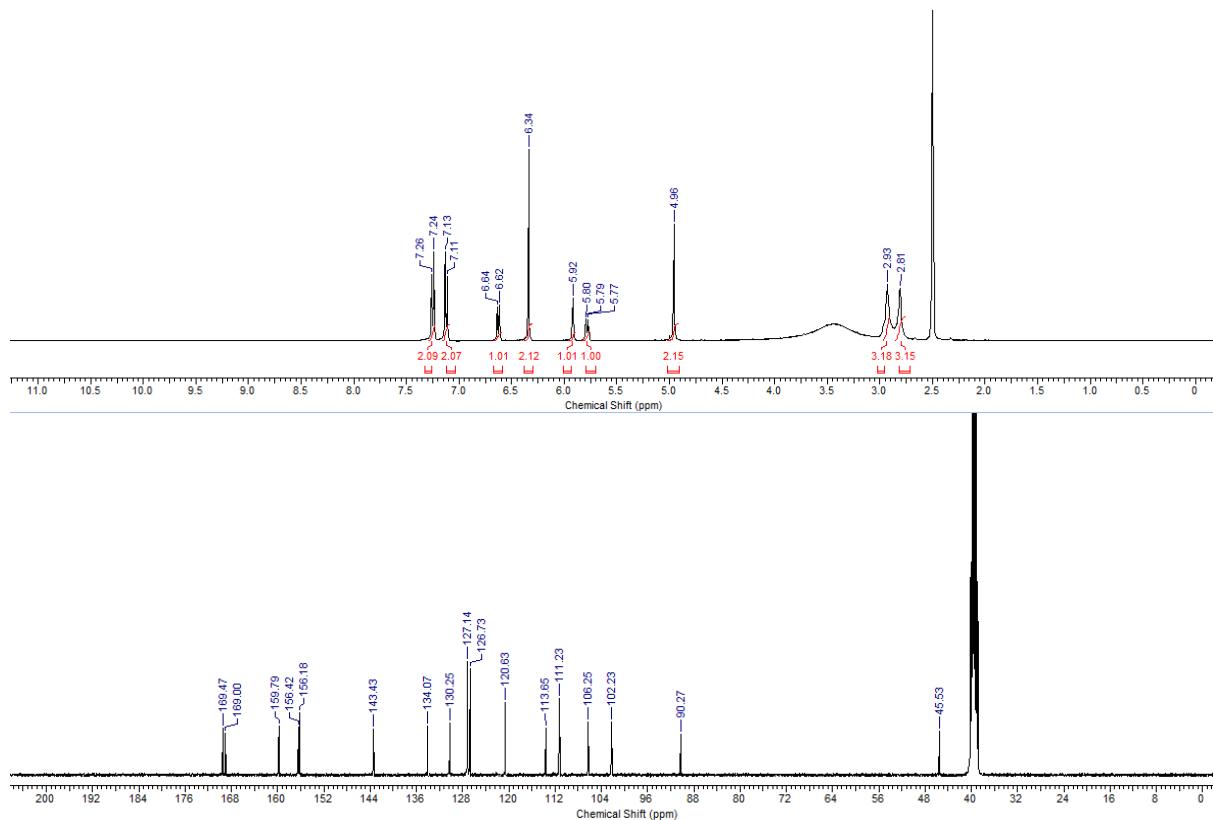
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	10.750	MM	0.1116	94.15862	14.06143	100.0000

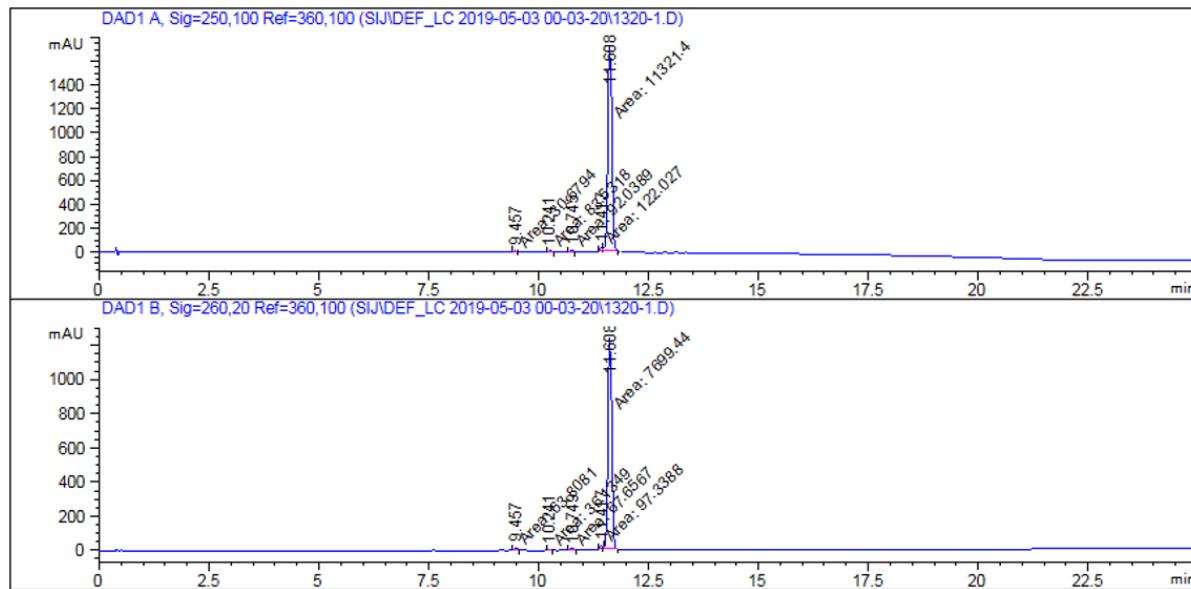
Totals : 94.15862 14.06143

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*** End of Report ***



19o





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

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=250,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	9.457	MM	0.0773	30.67938	6.61662	0.2634
2	10.241	MM	0.1001	83.53185	13.90230	0.7170
3	10.745	MM	0.1095	92.03893	14.00665	0.7901
4	11.417	MM	0.0672	122.02727	30.26250	1.0475
5	11.608	MM	0.1099	1.13214e4	1716.78845	97.1821

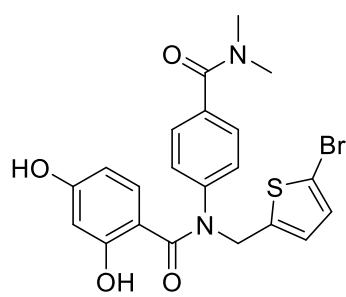
Totals : 1.16496e4 1781.57652

Signal 2: DAD1 B, Sig=260,20 Ref=360,100

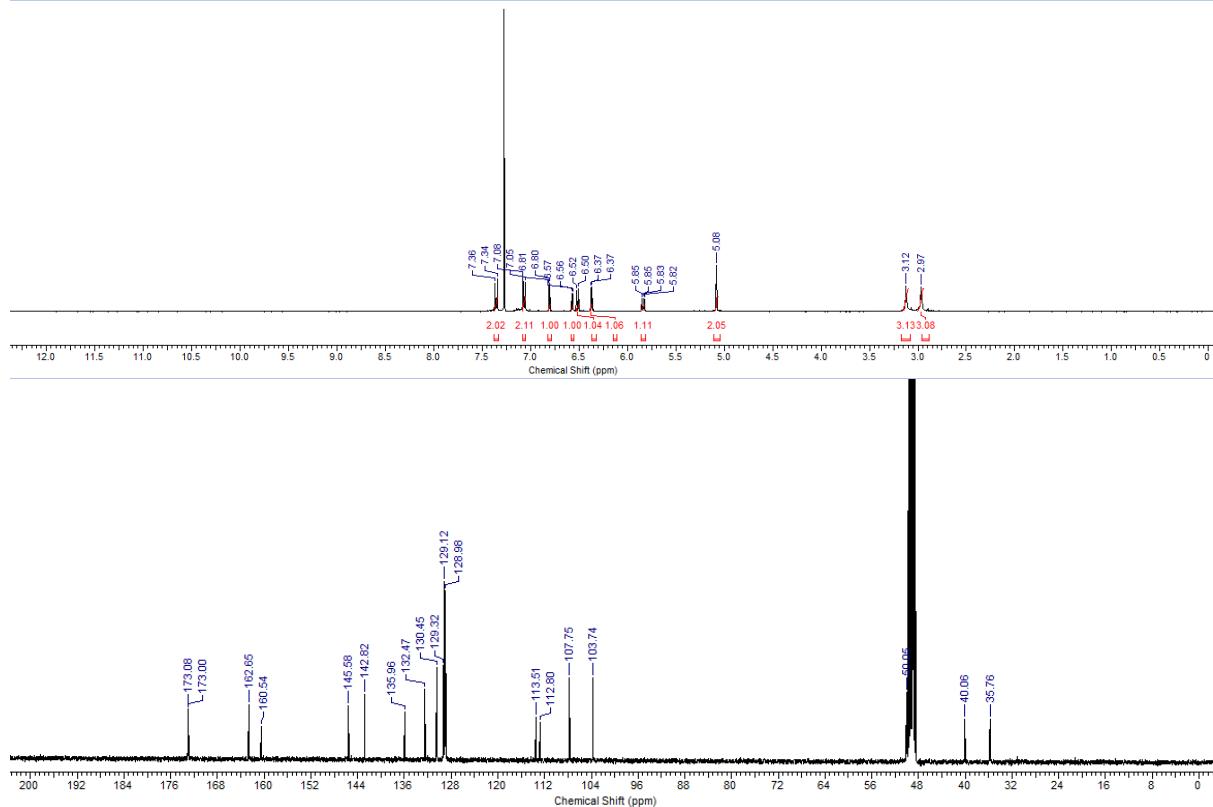
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	9.457	MM	0.1070	63.80807	9.94039	0.8012
2	10.241	MM	0.0837	36.13491	7.19733	0.4537
3	10.749	MM	0.1116	67.65675	10.10206	0.8495
4	11.417	MM	0.0763	97.33876	21.27207	1.2222
5	11.608	MM	0.1035	7699.43994	1239.81226	96.6735

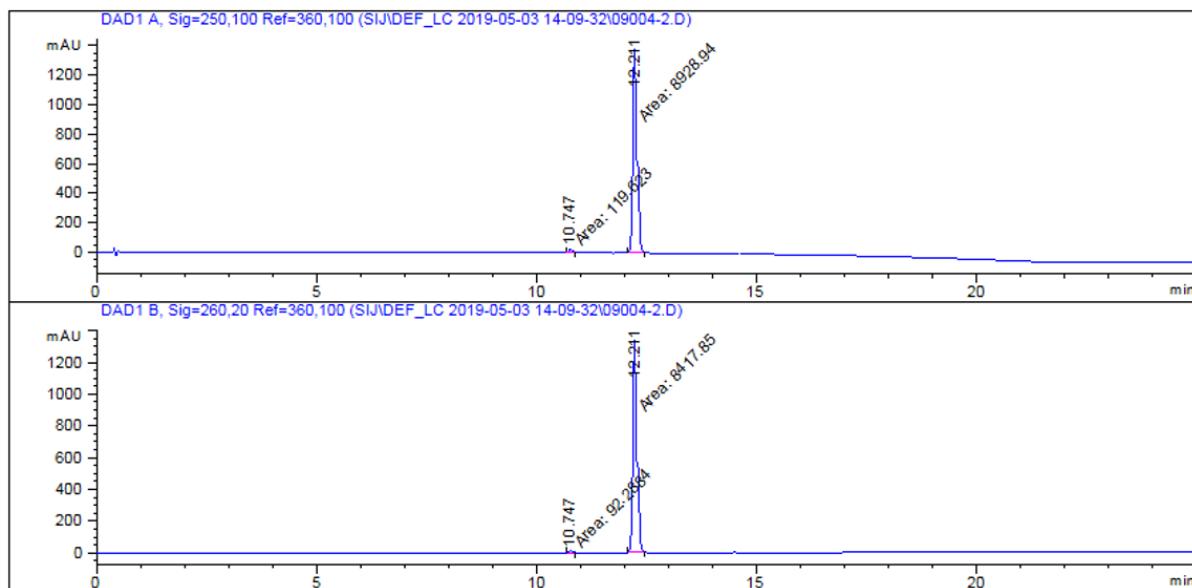
Totals : 7964.37843 1288.32411

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*** End of Report ***



19p





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

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=250,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	10.747	MM	0.0954	119.62290	20.90725	1.3220
2	12.211	MM	0.1080	8928.94238	1378.52832	98.6780

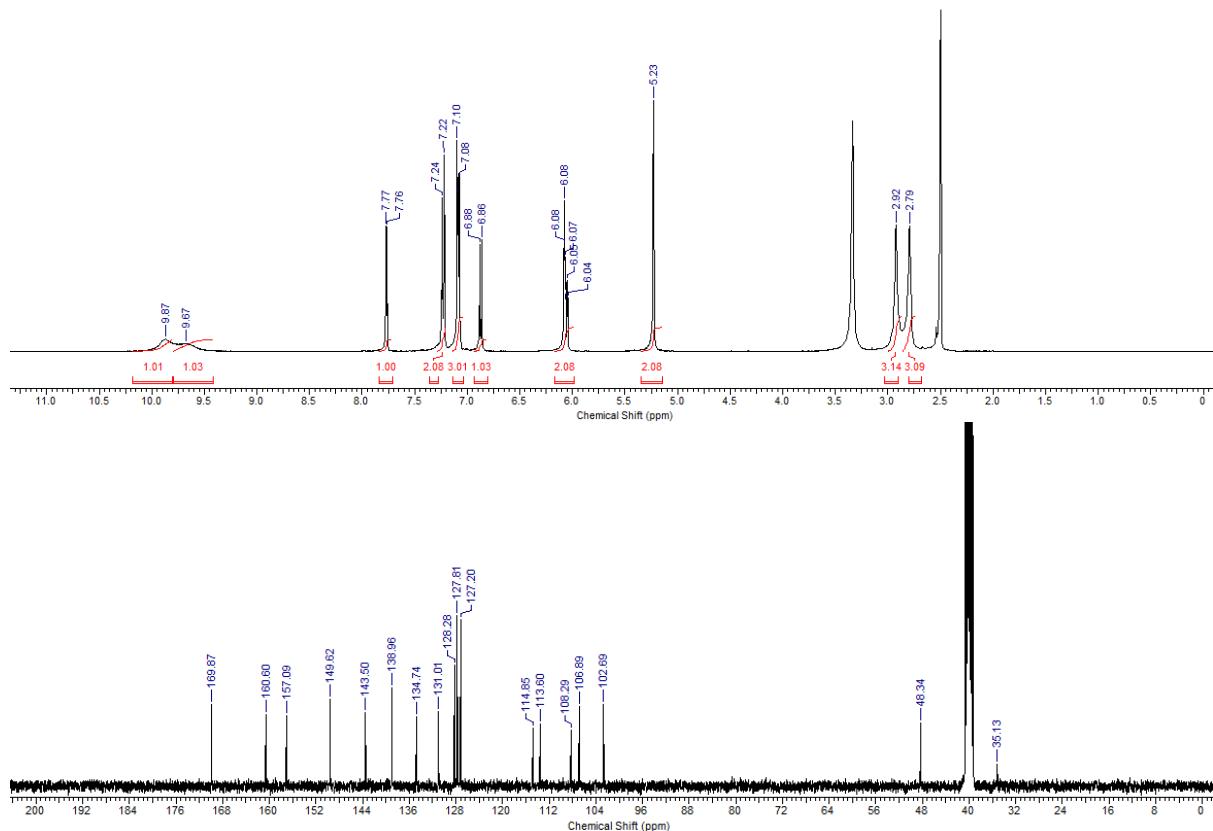
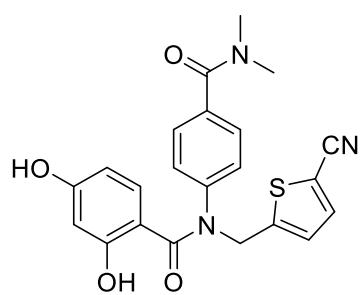
Totals : 9048.56528 1399.43557

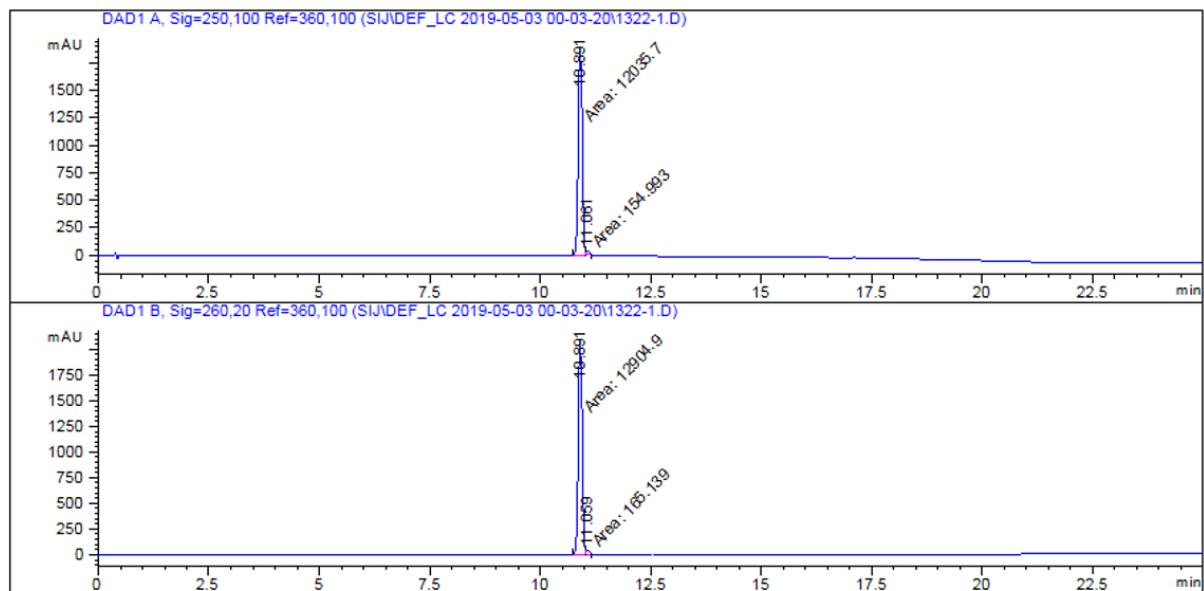
Signal 2: DAD1 B, Sig=260,20 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	10.747	MM	0.1012	92.28838	15.20419	1.0845
2	12.211	MM	0.1048	8417.84668	1339.13257	98.9155

Totals : 8510.13506 1354.33676

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*** End of Report ***





=====
Area Percent Report
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Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=250,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	10.891	MM	0.1068	1.20357e4	1878.55688	98.7286
2	11.061	MM	0.0742	154.99303	34.80621	1.2714

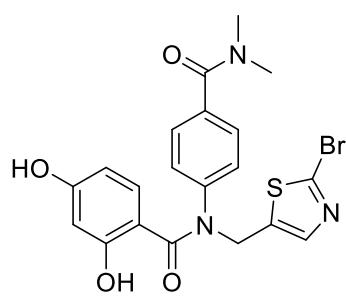
Totals : 1.21907e4 1913.36310

Signal 2: DAD1 B, Sig=260,20 Ref=360,100

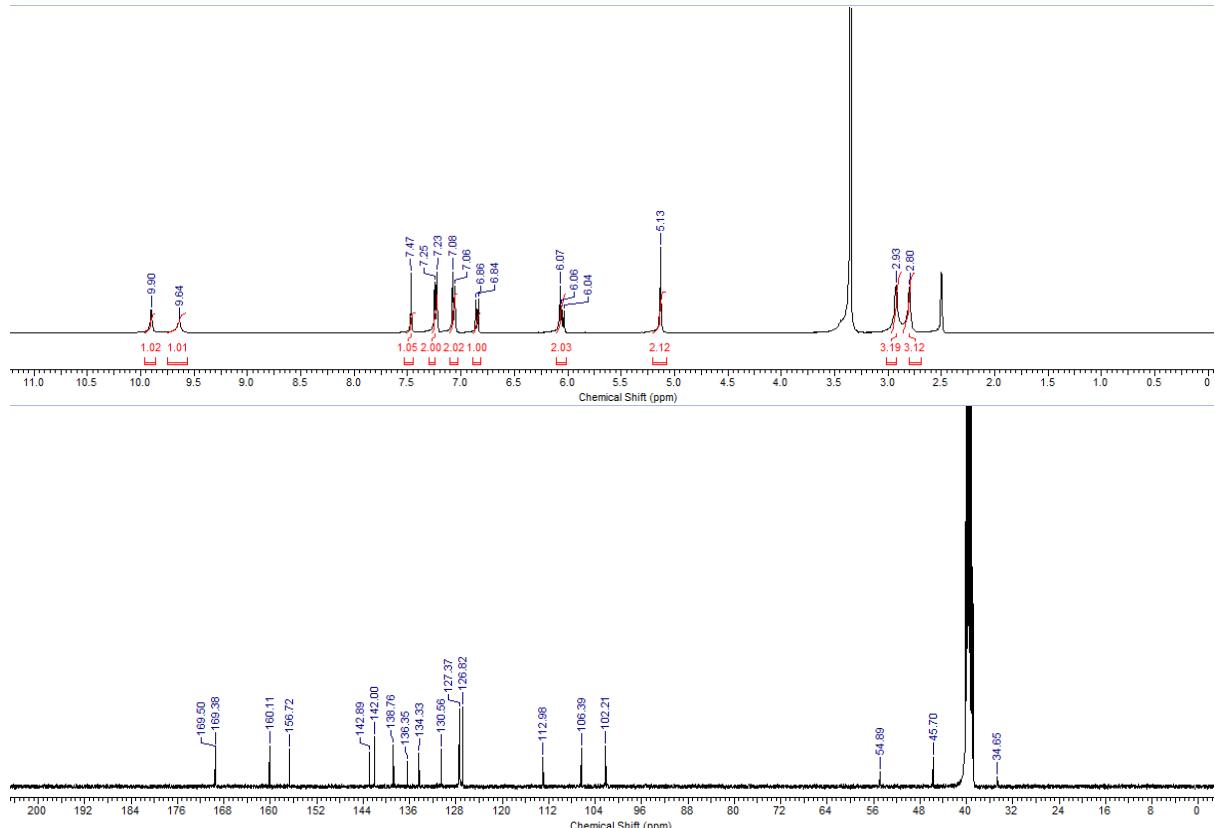
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	10.891	MM	0.1033	1.29049e4	2081.15039	98.7365
2	11.059	MM	0.0747	165.13852	36.84685	1.2635

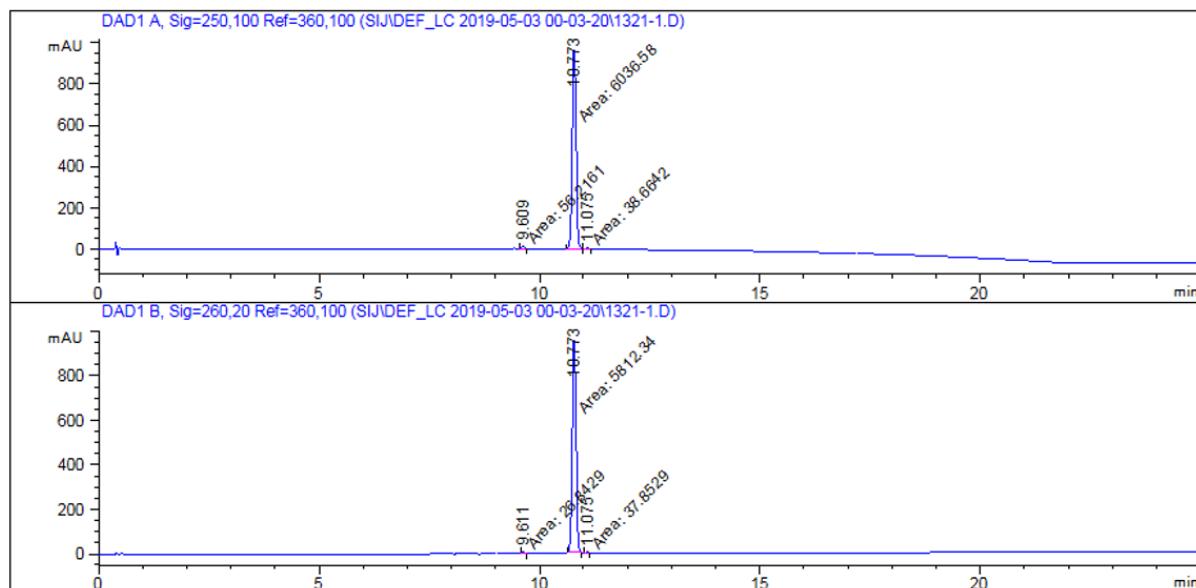
Totals : 1.30700e4 2117.99724

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*** End of Report ***



19r





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Area Percent Report
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Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=250,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	9.609	MM	0.0798	56.21615	11.73995	0.9168
2	10.773	MM	0.1038	6036.58447	969.29480	98.4526
3	11.075	MM	0.1016	38.66424	6.34261	0.6306

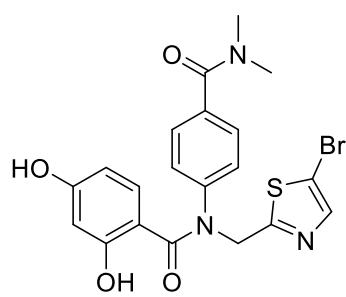
Totals : 6131.46486 987.37736

Signal 2: DAD1 B, Sig=260,20 Ref=360,100

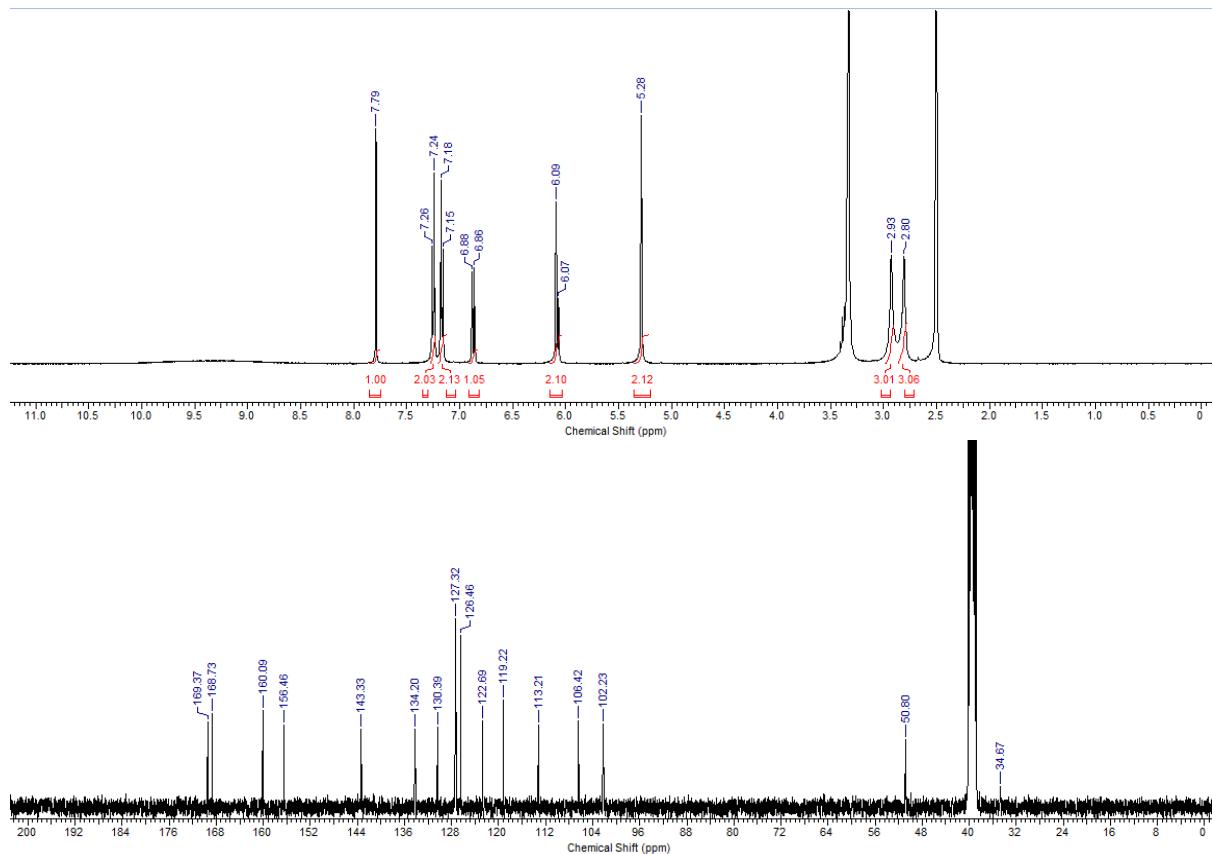
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	9.611	MM	0.0685	26.84289	6.53148	0.4567
2	10.773	MM	0.1016	5812.33691	953.43121	98.8992
3	11.075	MM	0.0945	37.85289	6.67776	0.6441

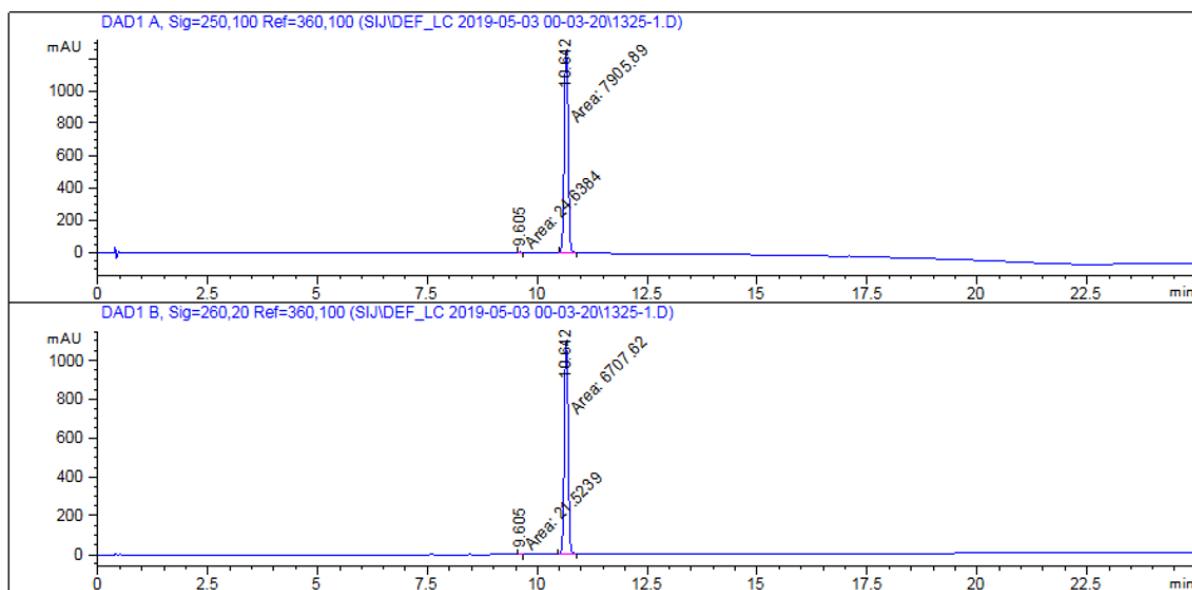
Totals : 5877.03270 966.64045

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*** End of Report ***



19s





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Area Percent Report
=====

Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=250,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	9.605	MM	0.0732	24.63844	5.61356	0.3107
2	10.642	MM	0.1055	7905.88867	1249.02307	99.6893

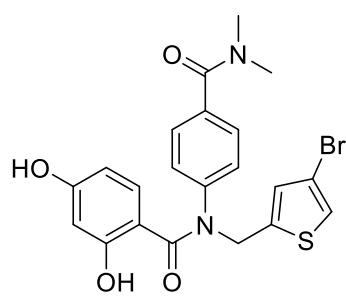
Totals : 7930.52711 1254.63663

Signal 2: DAD1 B, Sig=260,20 Ref=360,100

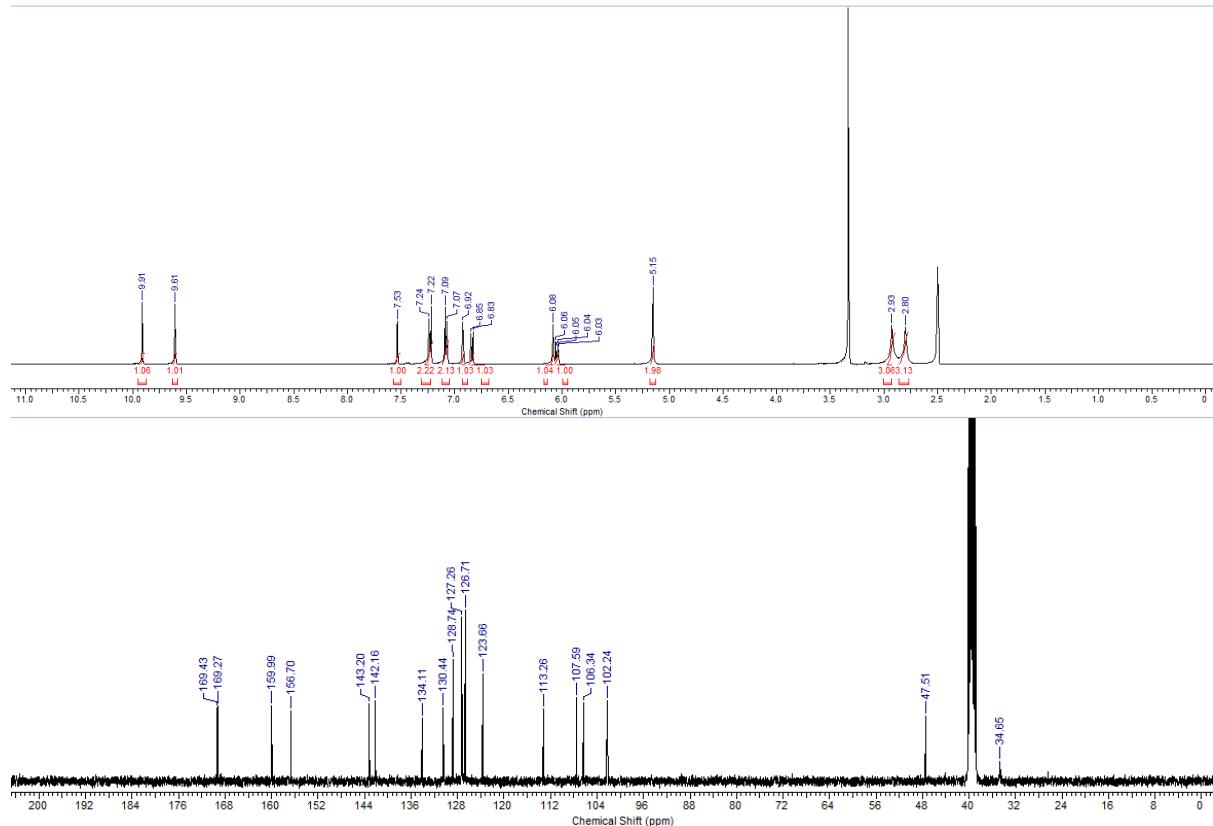
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	9.605	MM	0.0766	21.52392	4.68317	0.3199
2	10.642	MM	0.1019	6707.61572	1096.80164	99.6801

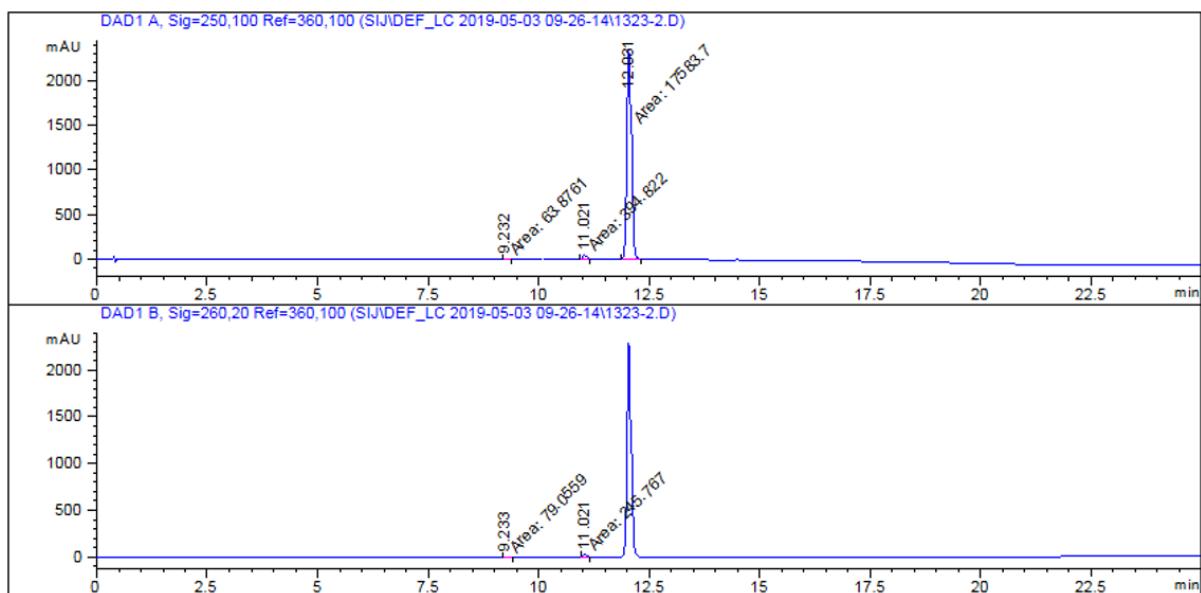
Totals : 6729.13965 1101.48480

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*** End of Report ***



19t





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Area Percent Report
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Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=250,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	9.232	MM	0.1292	63.87613	8.24294	0.3540
2	11.021	MM	0.1123	394.82181	58.58589	2.1883
3	12.031	MM	0.1251	1.75837e4	2343.24463	97.4577

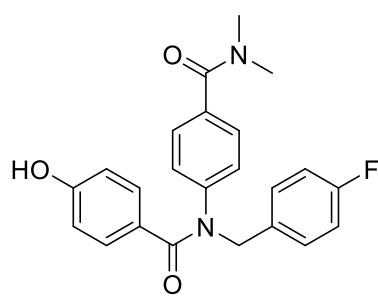
Totals : 1.80424e4 2410.07346

Signal 2: DAD1 B, Sig=260,20 Ref=360,100

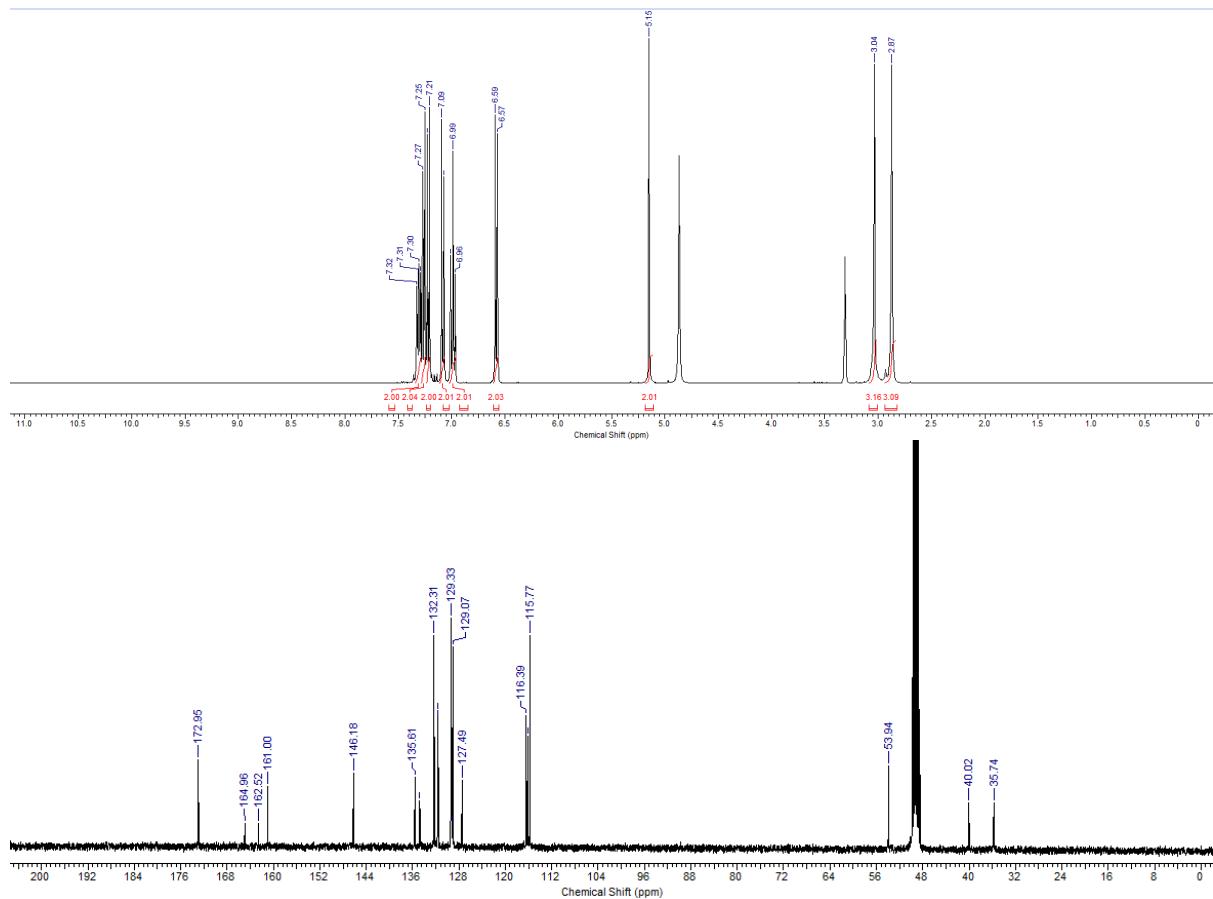
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	9.233	MM	0.1369	79.05585	9.62124	24.3382
2	11.021	MM	0.1075	245.76689	38.10279	75.6618

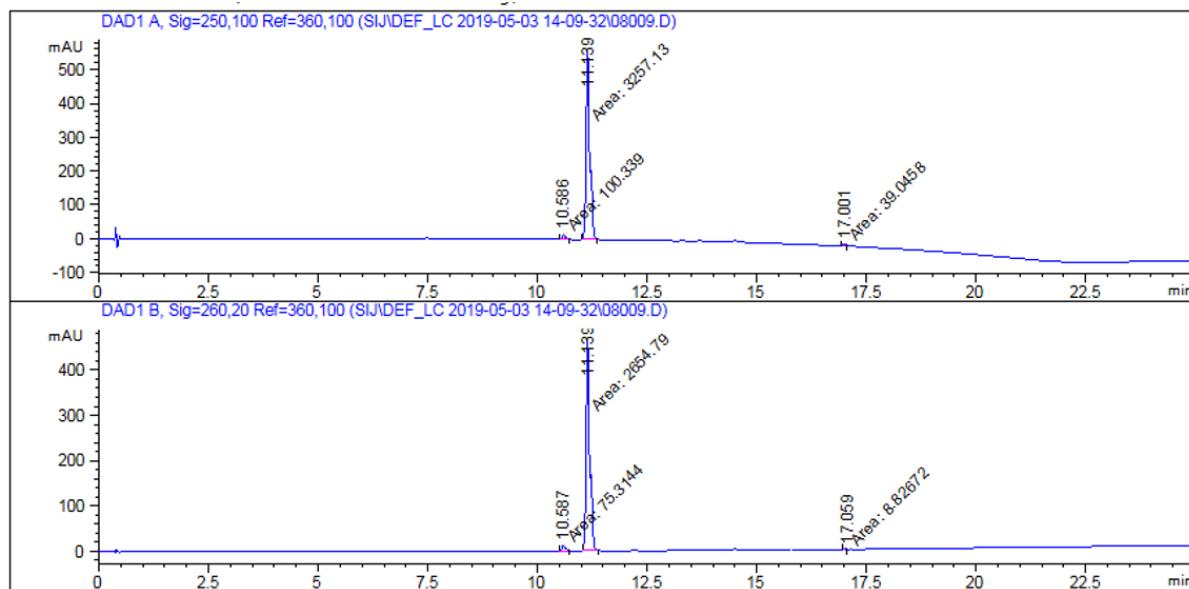
Totals : 324.82275 47.72404

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*** End of Report ***



21a





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Area Percent Report
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Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

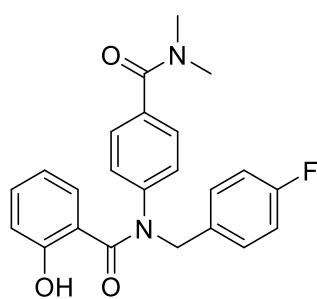
Signal 1: DAD1 A, Sig=250,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	10.586	MM	0.1029	100.33895	16.25318	2.9542
2	11.139	MM	0.0965	3257.13281	562.52979	95.8962
3	17.001	MM	0.0956	39.04577	6.80716	1.1496
Totals :						3396.51753 585.59012

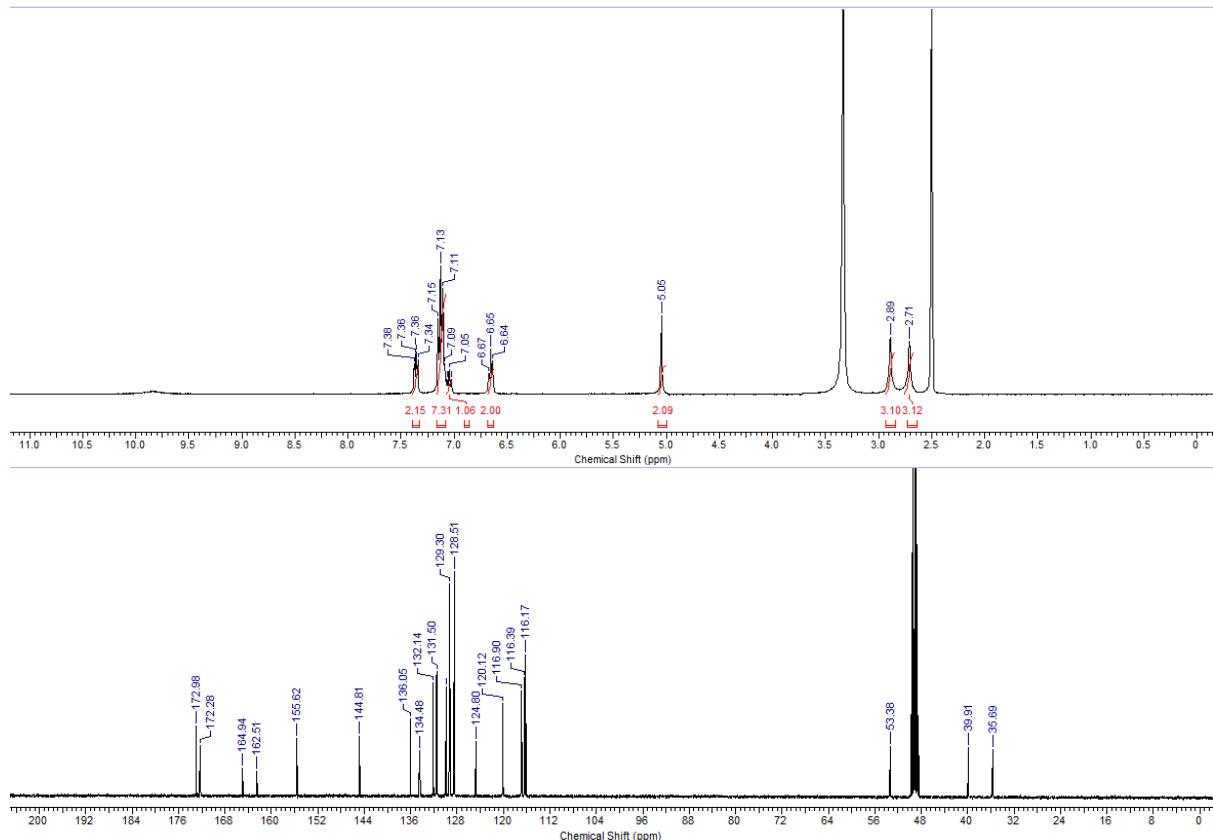
Signal 2: DAD1 B, Sig=260,20 Ref=360,100

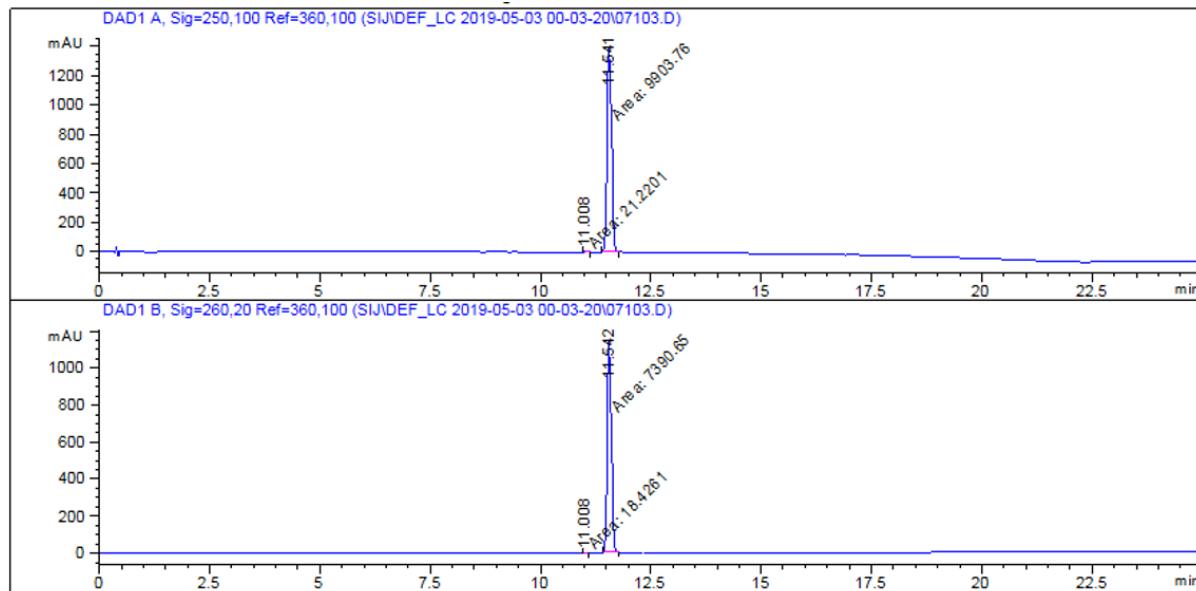
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	10.587	MM	0.0949	75.31439	13.22001	2.7498
2	11.139	MM	0.0951	2654.79004	465.13269	96.9280
3	17.059	MM	0.0904	8.82672	1.62697	0.3223
Totals :						2738.93115 479.97967

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*** End of Report ***



21b





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Area Percent Report
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Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=250,100 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	11.008	MM	0.0772	21.22009	4.58041	0.2138
2	11.541	MM	0.1185	9903.76270	1392.65710	99.7862

Totals : 9924.98278 1397.23752

Signal 2: DAD1 B, Sig=260,20 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	11.008	MM	0.0890	18.42610	3.45118	0.2487
2	11.542	MM	0.1069	7390.64844	1151.91553	99.7513

Totals : 7409.07454 1155.36670

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*** End of Report ***