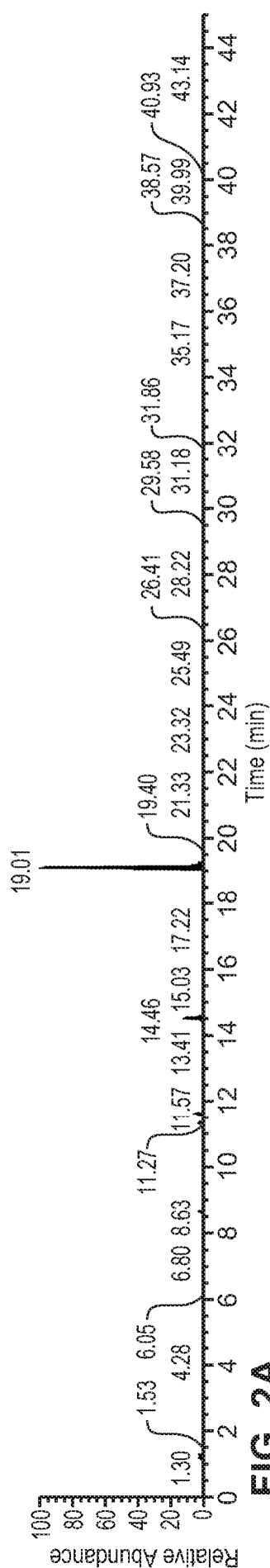
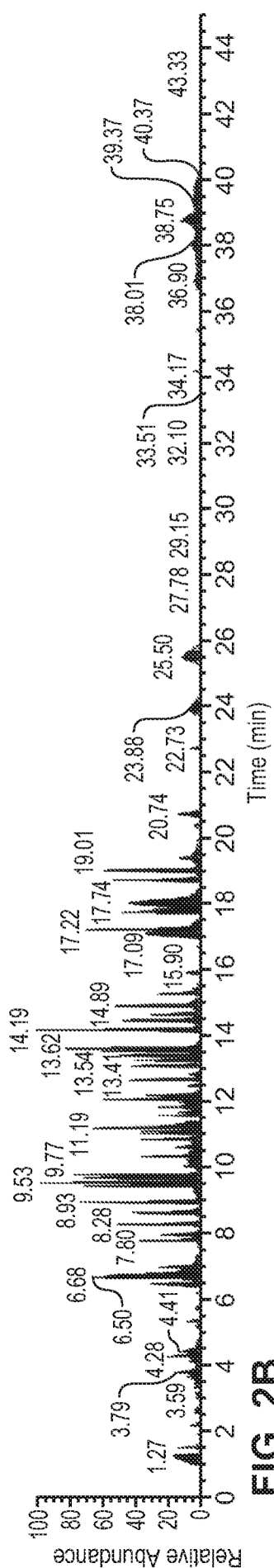
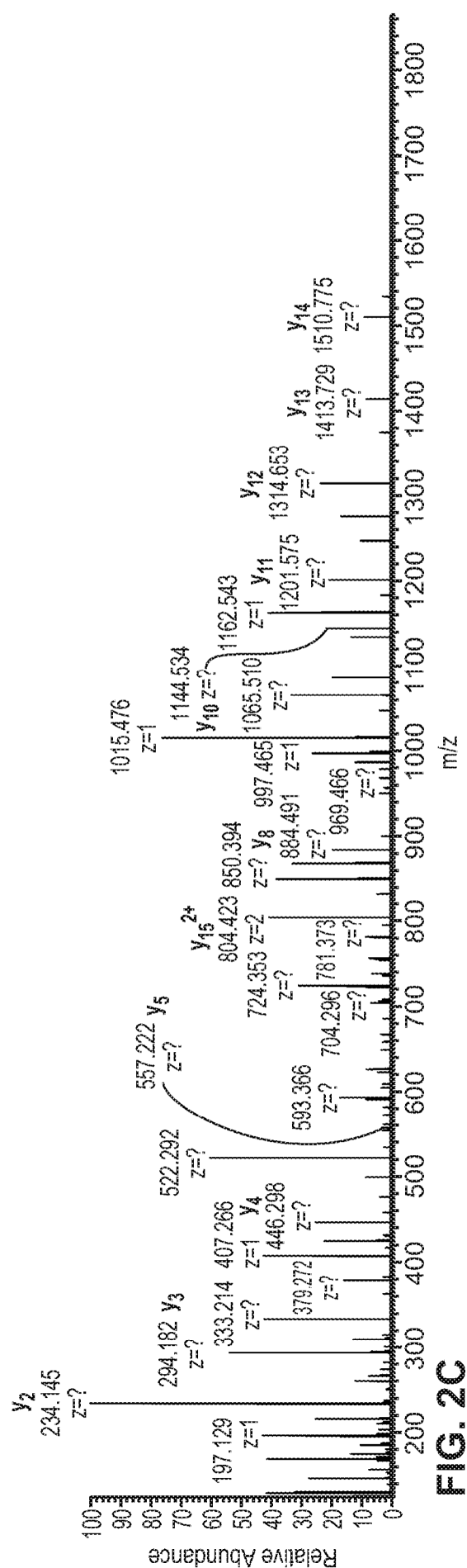


SEQ ID NO: 1 SEQ ID NO: 2 SEQ ID NO: 3 SEQ ID NO: 4 SEQ ID NO: 5	Hinge					THTCPPCPAP	ELLGGPSVFL	FPPKPKDTLM	ISRTPEVTCV	VVDVSHEDPE	VKFNWYVDGV
						THTCPPCPAP	ELLGGPSVFL	FPPKPKDTLM	ISRTPEVTCV	VVDVSHEDPE	VKFNWYVDGV
						THTCPPCPAP	ELLGGPSVFL	FPPKPKDTLM	ISRTPEVTCV	VVDVSHEDPE	VKFNWYVDGV
						THTCPPCPAP	ELLGGPSVFL	FPPKPKDTLM	ISRTPEVTCV	VVDVSHEDPE	VKFNWYVDGV
						THTCPPCPAP	ELLGGPSVFL	FPPKPKDTLM	ISRTPEVTCV	VVDVSHEDPE	VKFNWYVDGV
SEQ ID NO: 1 SEQ ID NO: 2 SEQ ID NO: 3 SEQ ID NO: 4 SEQ ID NO: 5						EVHNAKTKPR	EEQYNSTYRV	VSVLTVLHQD	WLNKEYKCK	VS NKALPAPI	EKTISKAKGQ
						EVHNAKTKPR	EEQYNSTYRV	VSVLTVLHQD	WLNKEYKCK	VS NKALPAPI	EKTISKAKGQ
						EVHNAKTKPR	EEQYNSTYRV	VSVLTVLHQD	WLNKEYKCK	VS NKALPAPI	EKTISKAKGQ
						EVHNAKTKPR	EEQYNSTYRV	VSVLTVLHQD	WLNKEYKCK	VS NKALPAPI	EKTISKAKGQ
						EVHNAKTKPR	EEQYNSTYRV	VSVLTVLHQD	WLNKEYKCK	VS NKALPAPI	EKTISKAKGQ
SEQ ID NO: 1 SEQ ID NO: 2 SEQ ID NO: 3 SEQ ID NO: 4 SEQ ID NO: 5	engineered Cys-pair					PREPQVYTLP	PSRDELTKNQ	VSLTCLVKGF	YPSDIAVEWE	SNGQPENNNYK	TPPPVLDSDG
						PREPQVYTLP	PCRDELTKNQ	VSLWCLVKGF	YPSDIAVEWE	SNGQPENNNYK	TPPPVLDSDG
						PREPQVCTLP	PSRDELTKNQ	VSLSCAVKGF	YPSDIAVEWE	SNGQPENNNYK	<u>TPPPVLDSDG</u>
						PREPQVCTLP	PSRDELTKNQ	VSLSCAVKGF	YPSDIAVEWE	SNGQPENNNYK	<u>TPPPVLDSDG</u>
						PREPQVYTLP	PCRDELTKNQ	VSLWCLVKGF	YPSDIAVEWE	SNGQPENNNYK	TPPPVLDSDG
SEQ ID NO: 1 SEQ ID NO: 2 SEQ ID NO: 3 SEQ ID NO: 4 SEQ ID NO: 5	increase half-life					SFFLYSKLTV	DKSRWQQGNV	FSCSVMHEAL	HNHYTQKSLS	LSPGK	
						SFFLYSKLTV	DKSRWQQGNV	FSCSVLHEAL	HSHTYQKSLS	LSPG	
						<u>SFFLVSKLTV</u>	DKSRWQQGNV	FSCSVLHEAL	HSHTYQKSLS	LSPG	
						<u>SFFLVSKLTV</u>	DKSRWQQGNV	FSCSVMHEAL	HNHYTQKSLS	LSPGK	
						SFFLYSKLTV	DKSRWQQGNV	FSCSVMHEAL	HNHYTQKSLS	LSPG	

FIG. 1



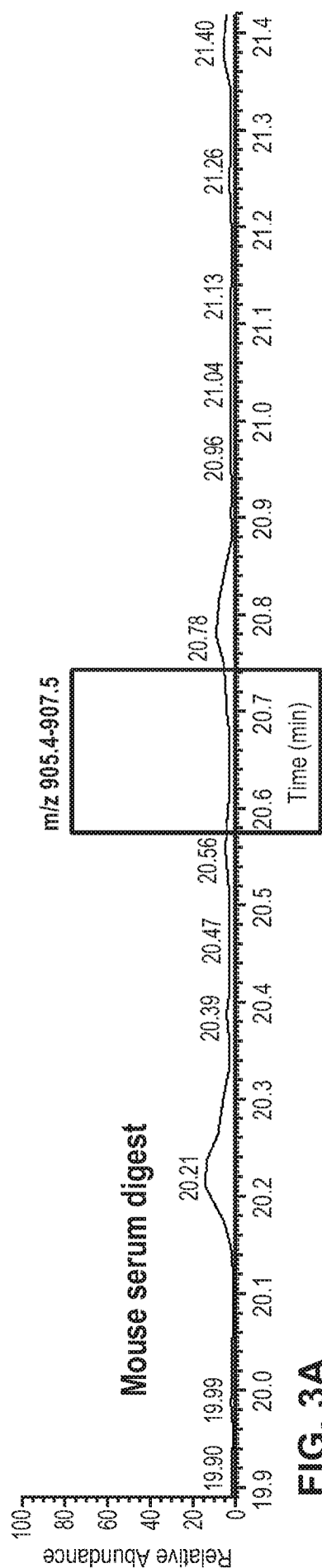


FIG. 3A

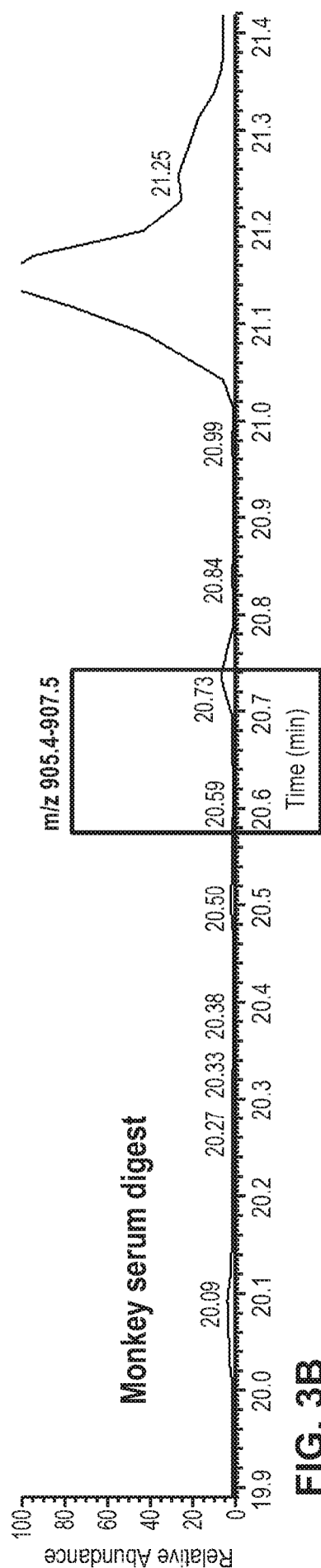
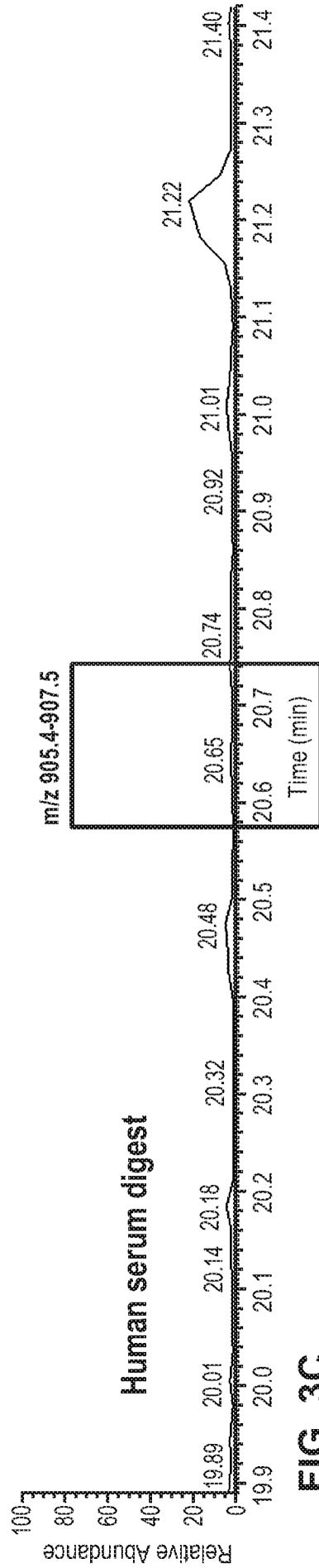
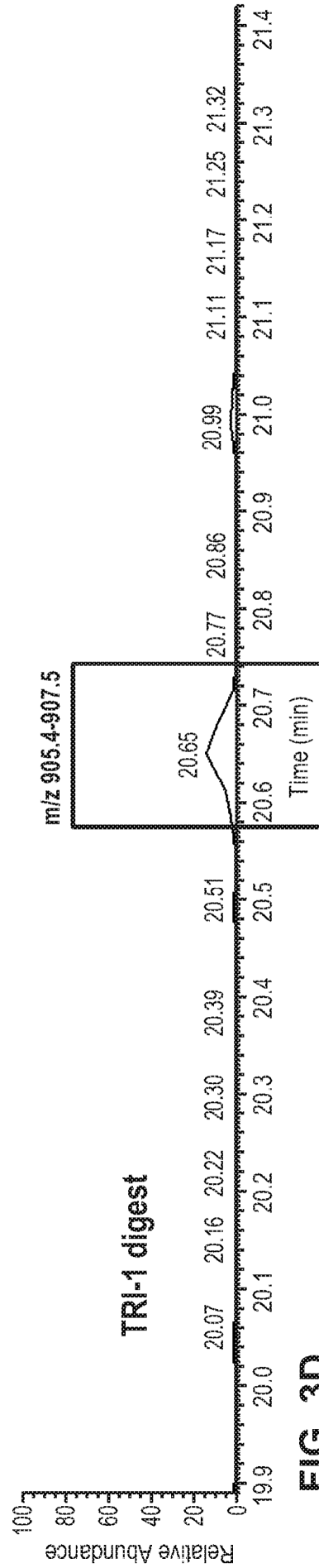


FIG. 3B

**FIG. 3C****FIG. 3D**

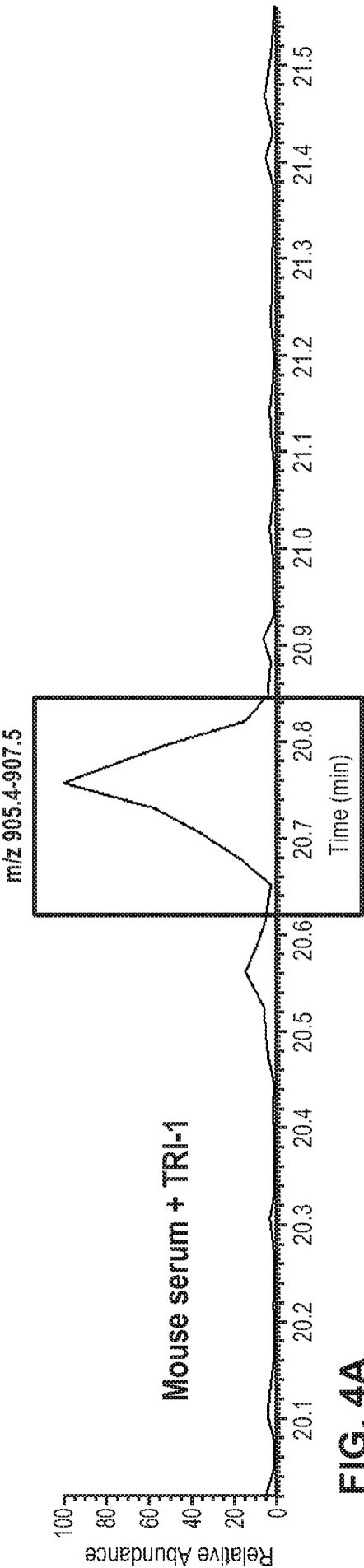


FIG. 4A

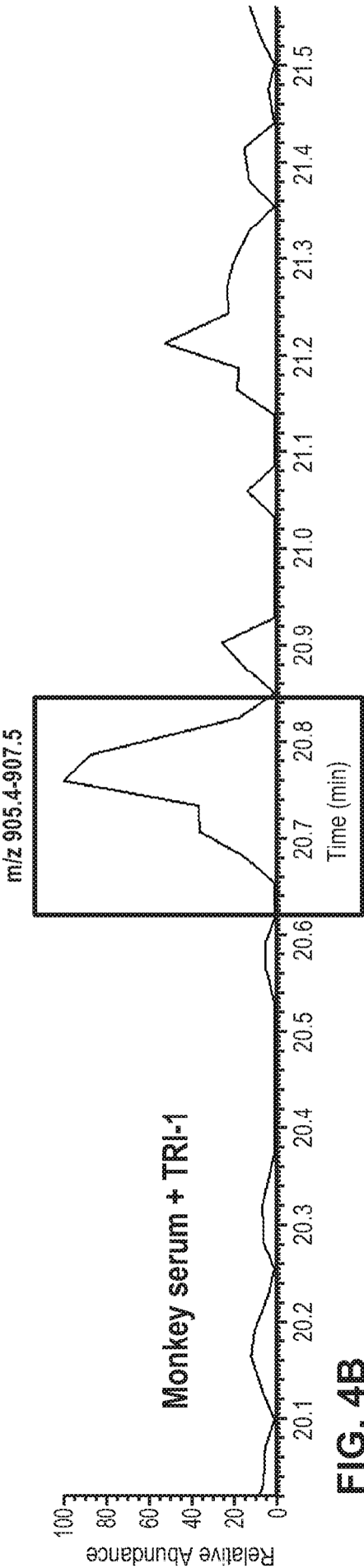


FIG. 4B

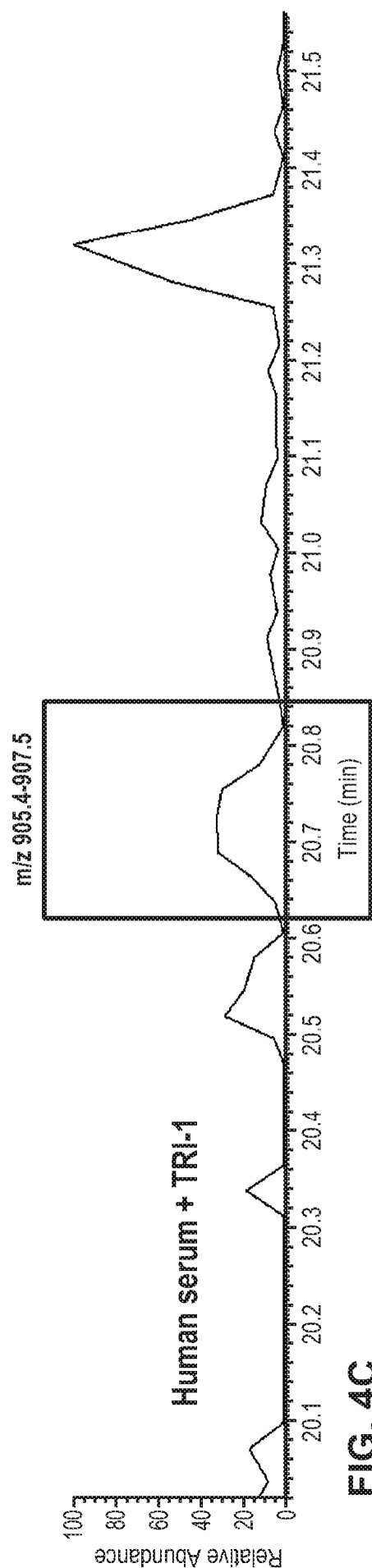


FIG. 4C

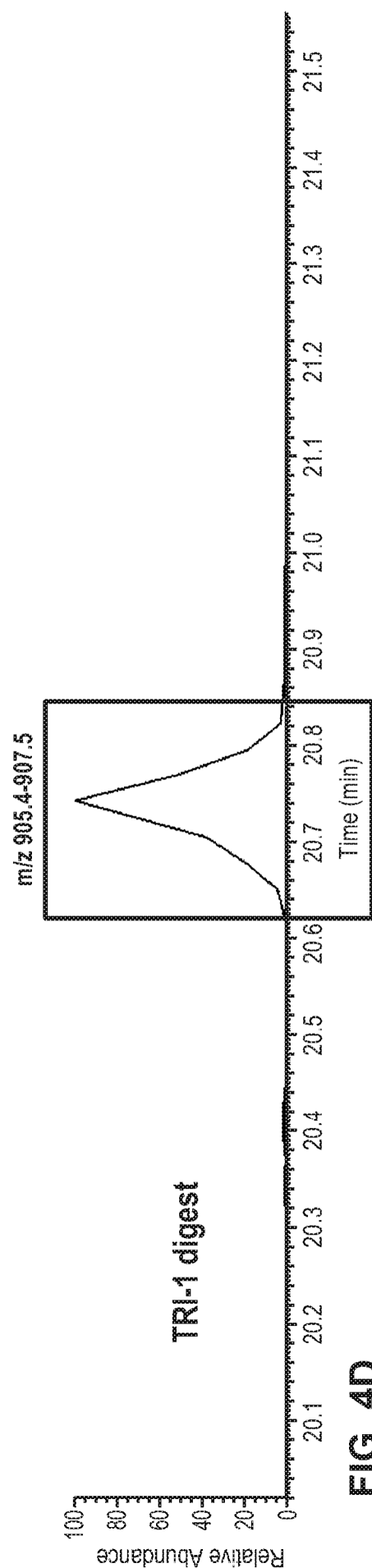


FIG. 4D

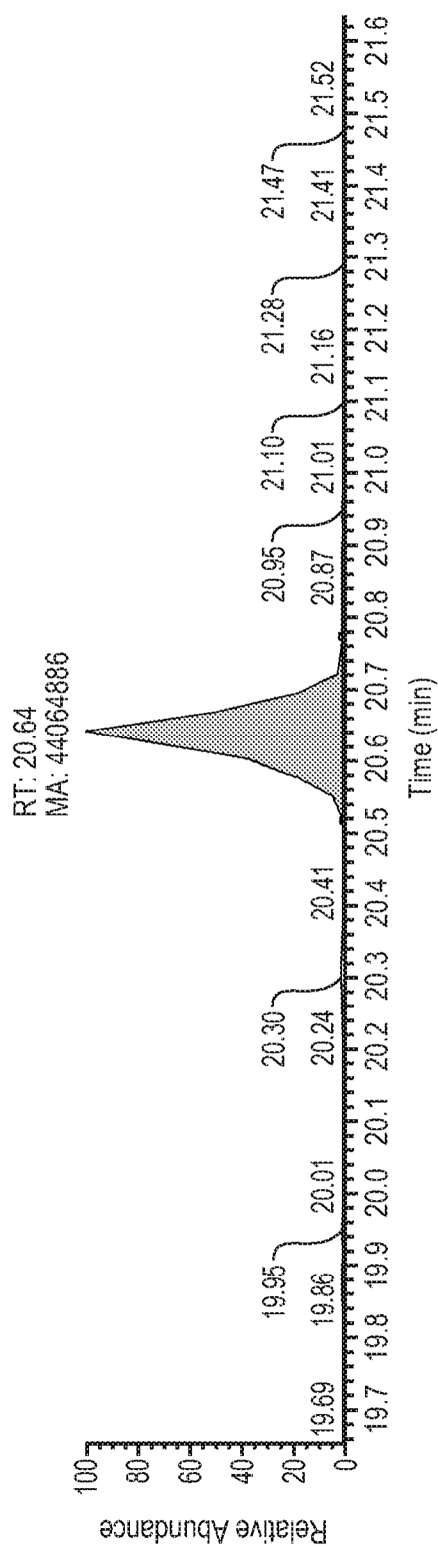


FIG. 5A

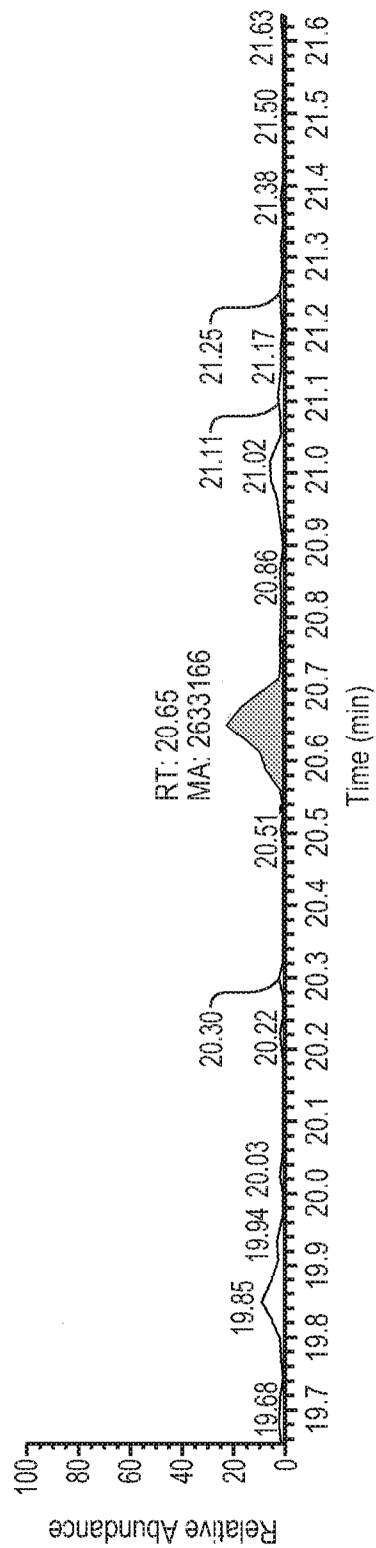


FIG. 5B

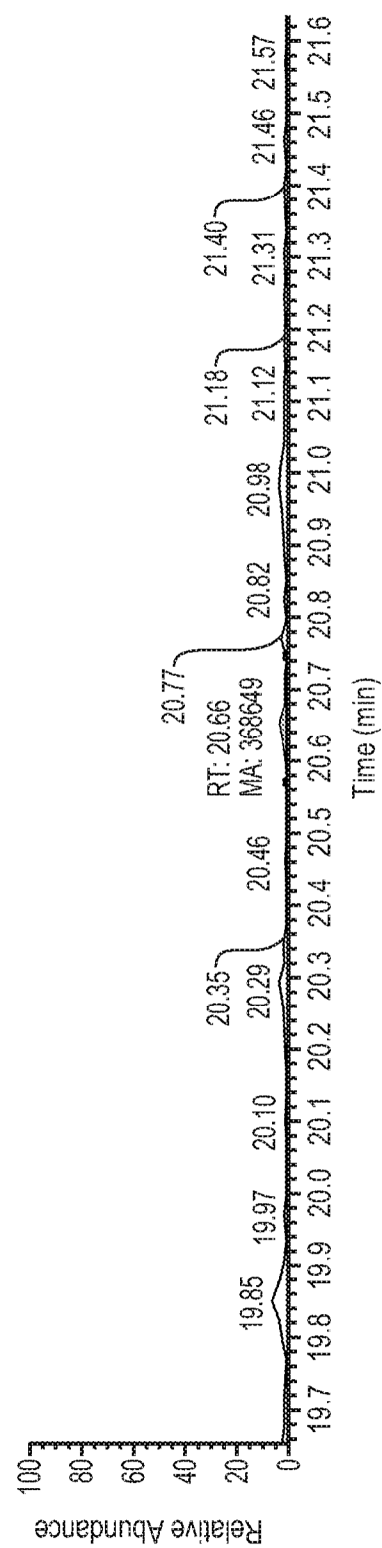


FIG. 5C

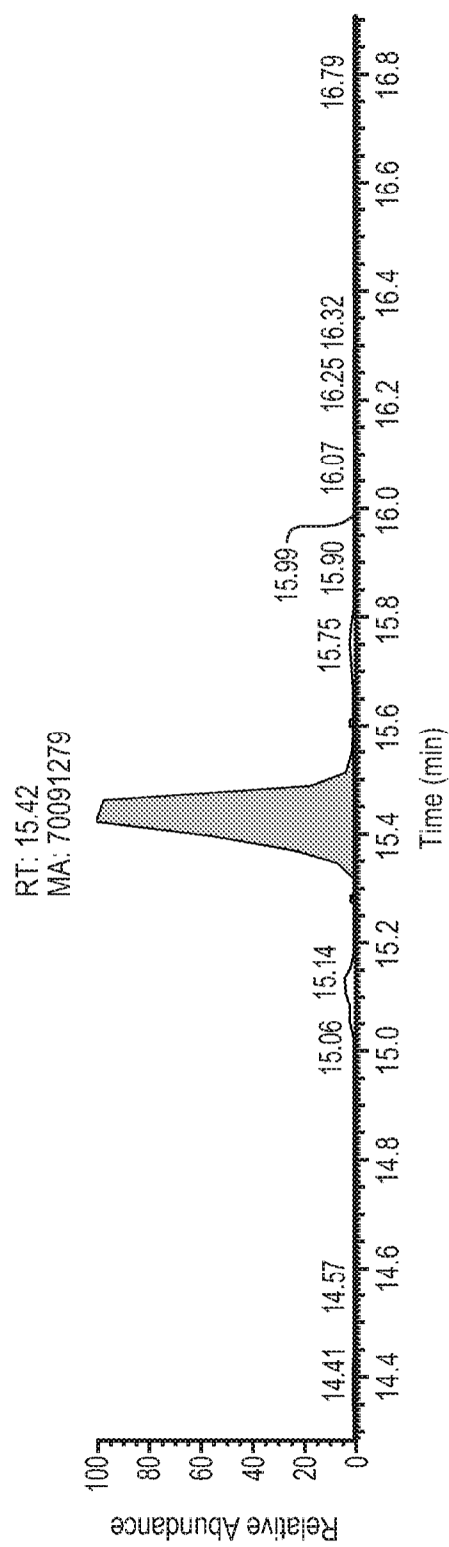


FIG. 6A

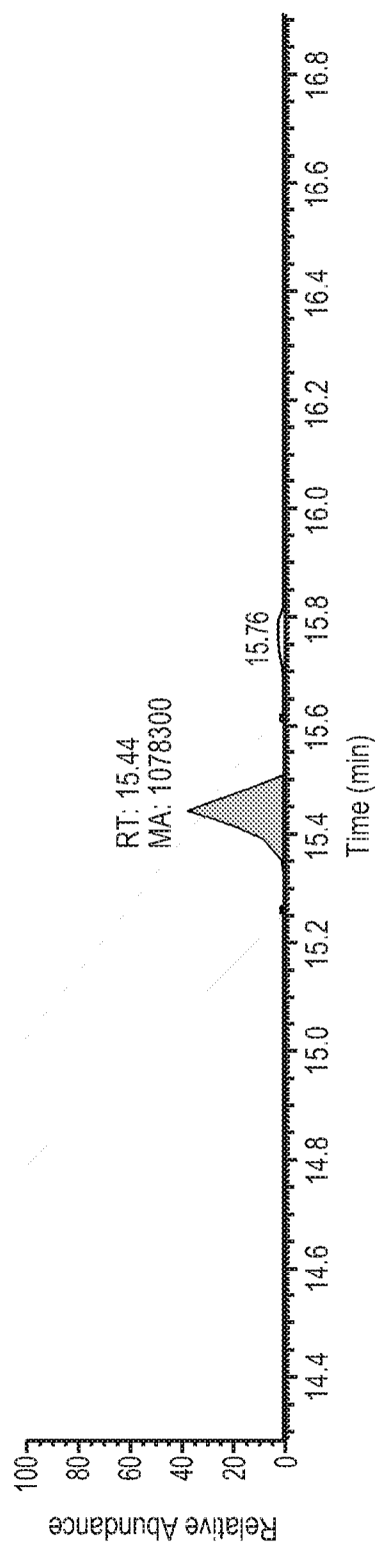


FIG. 6B

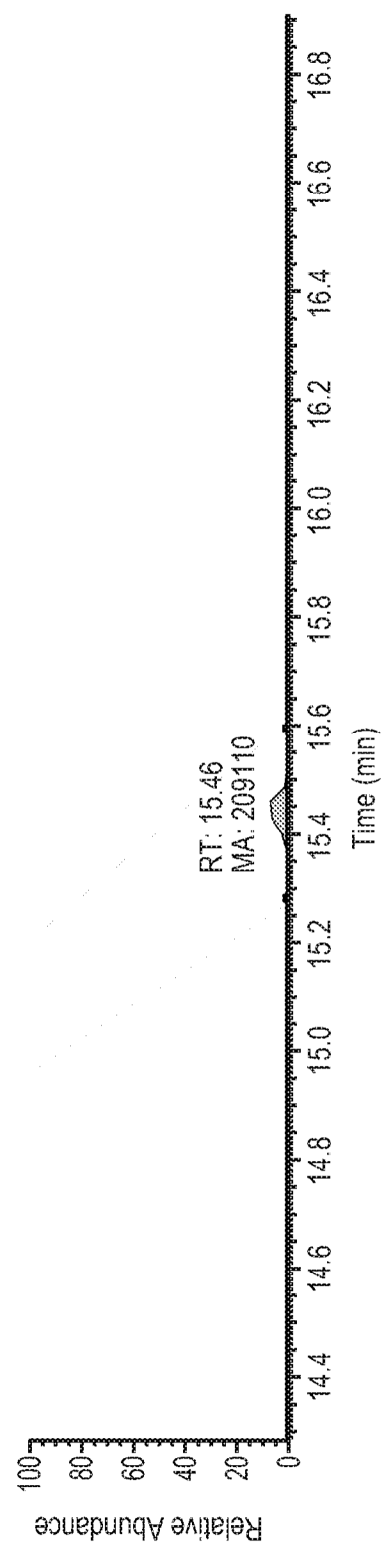


FIG. 6C

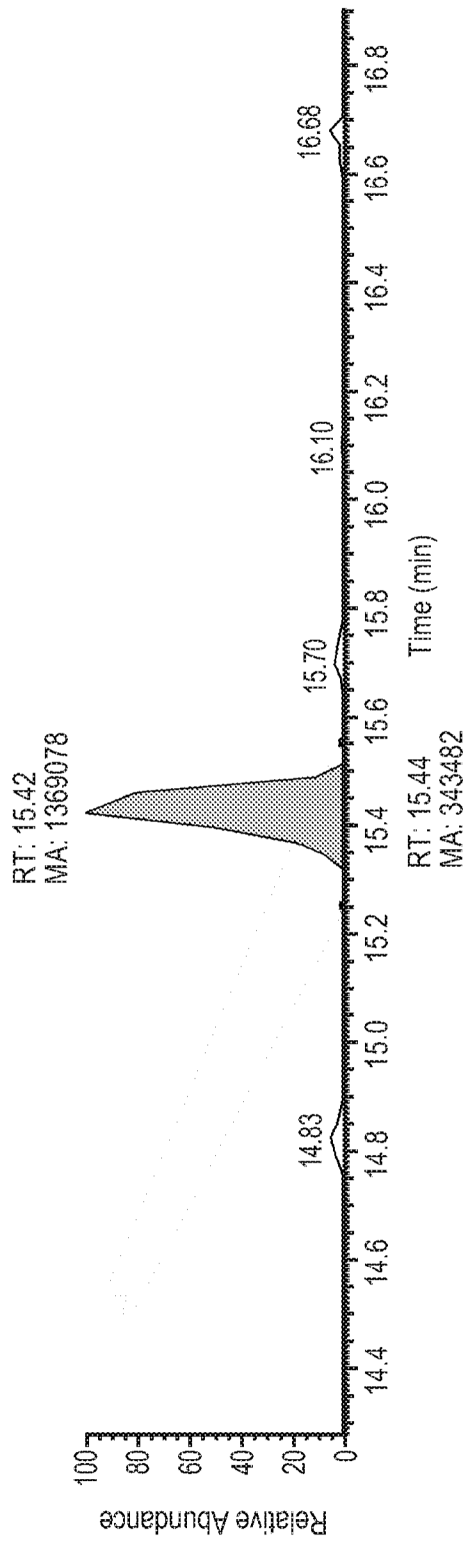


FIG. 7A

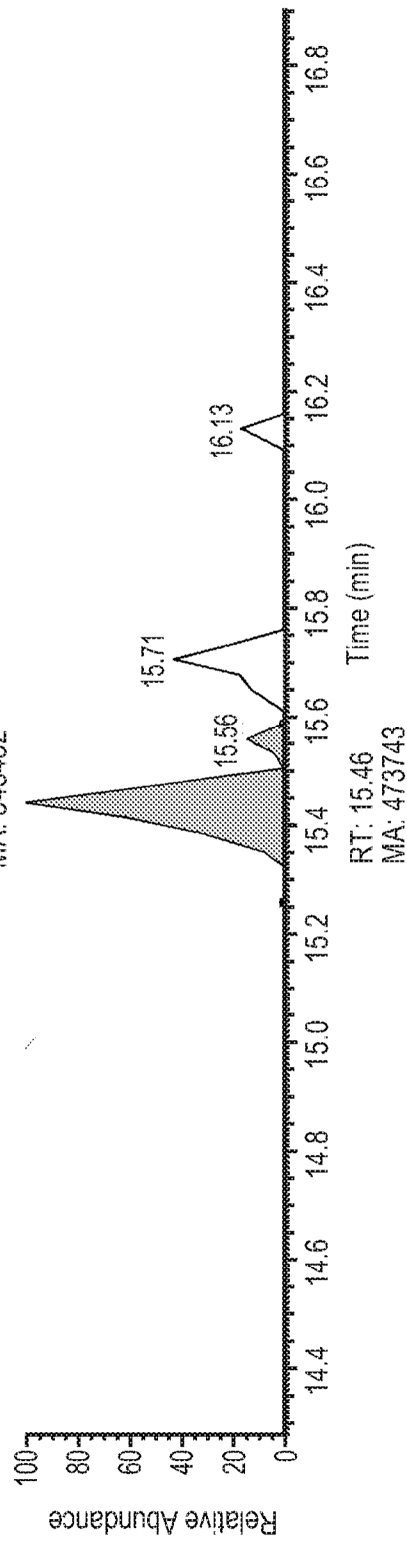


FIG. 7B

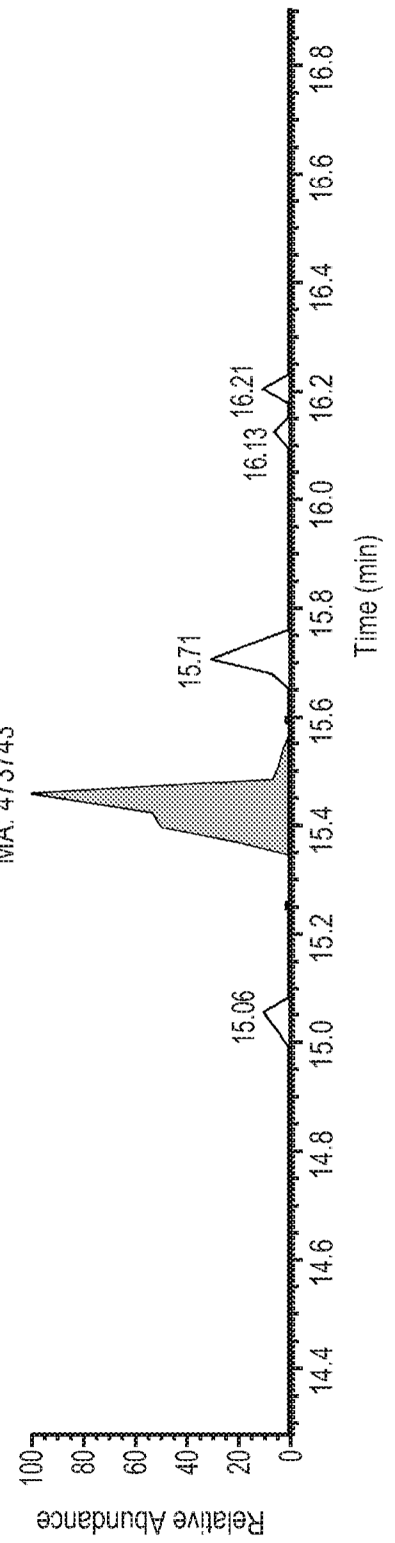


FIG. 7C

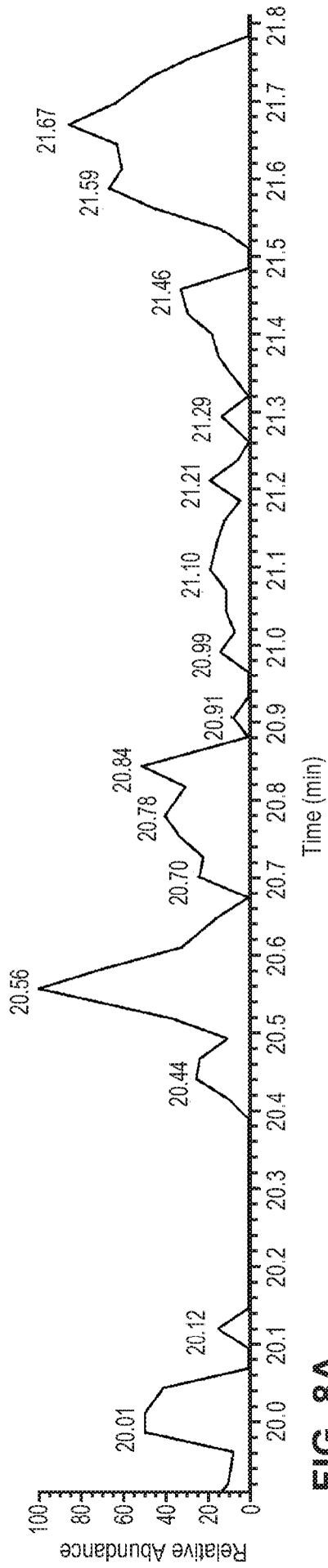


FIG. 8A

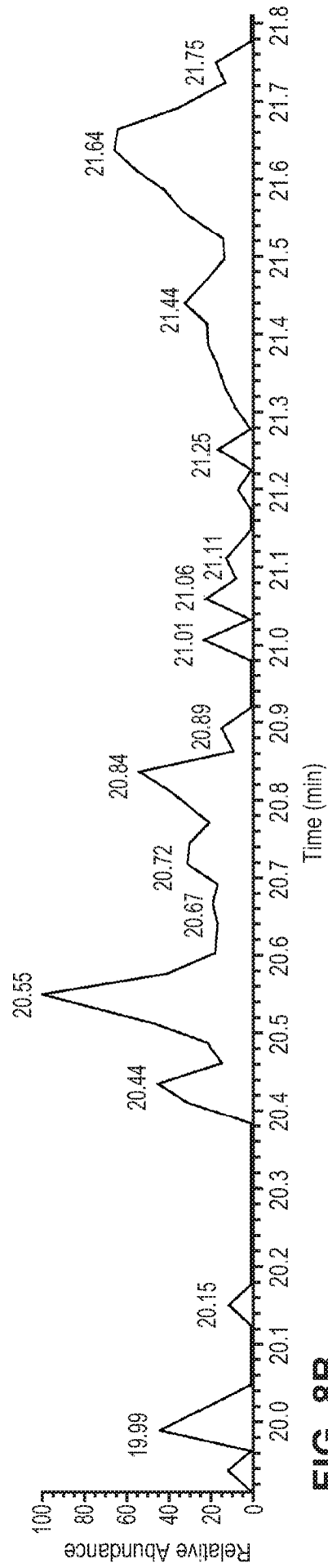


FIG. 8B

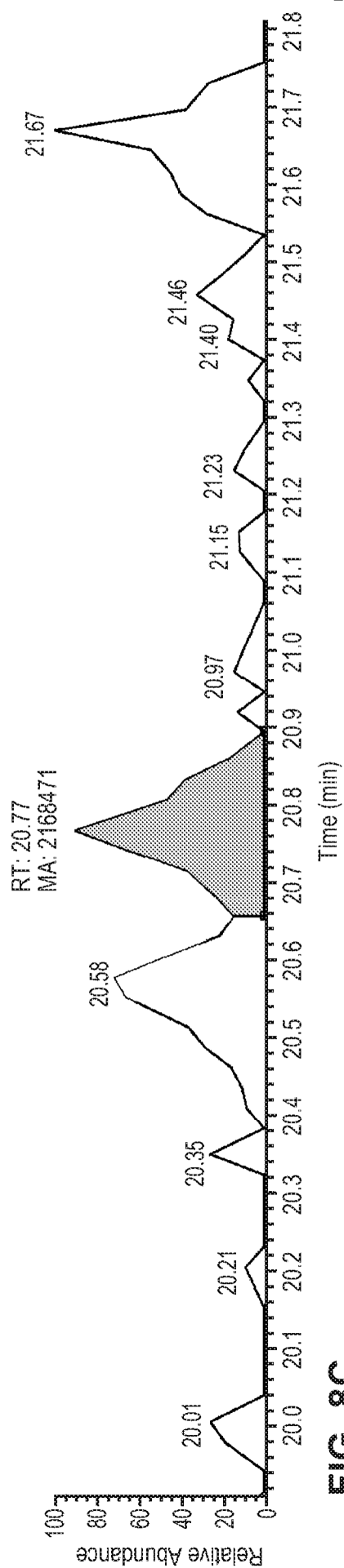


FIG. 8C

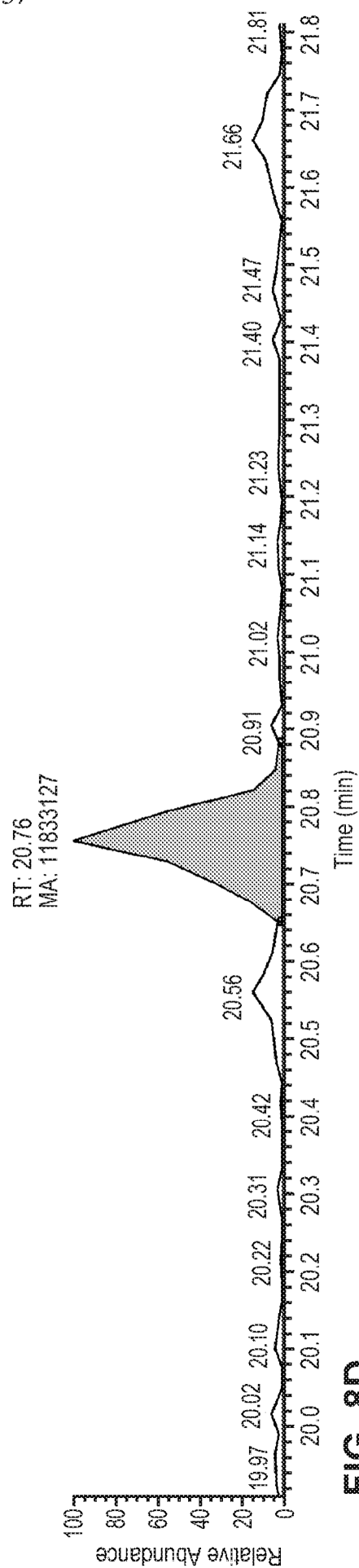
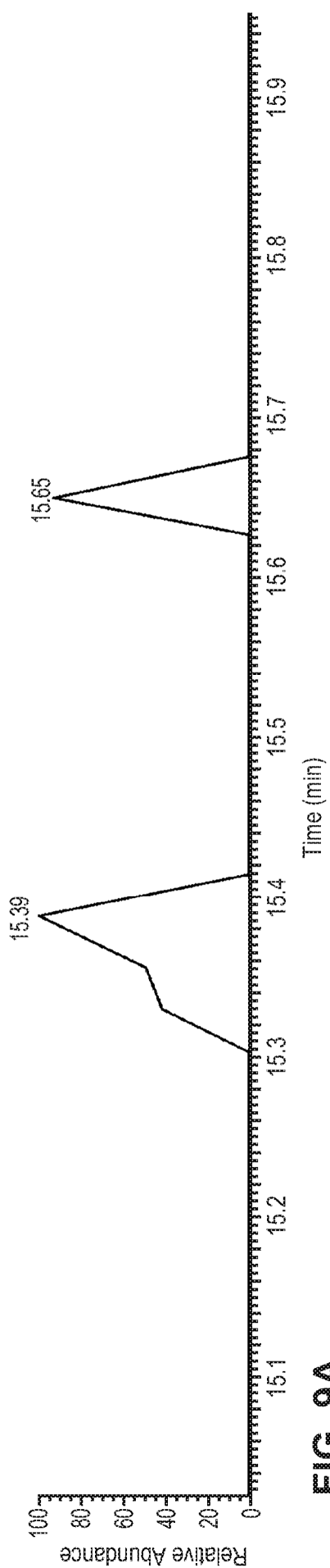
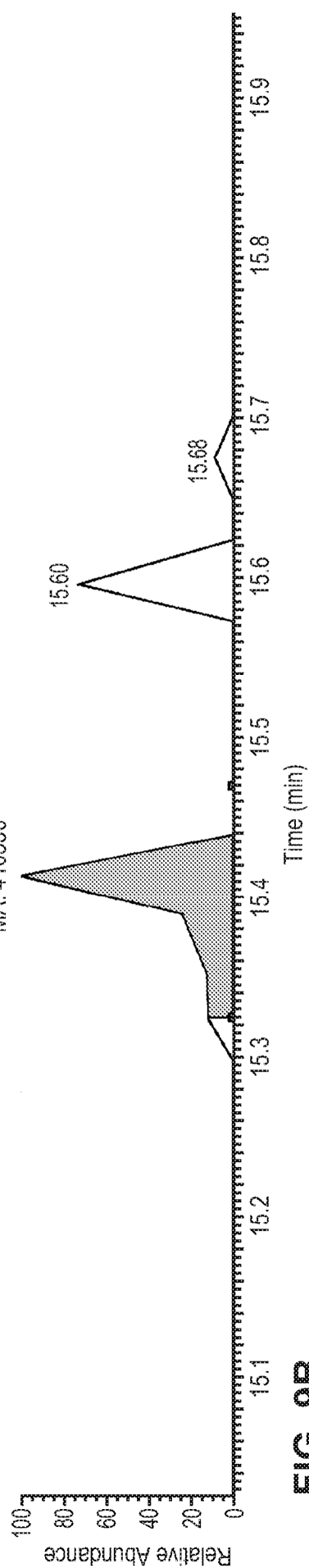
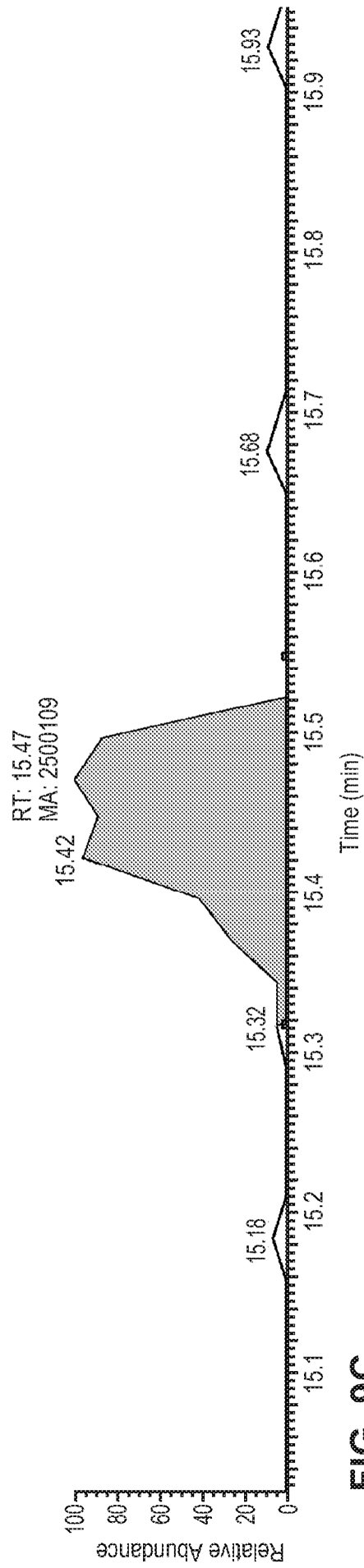
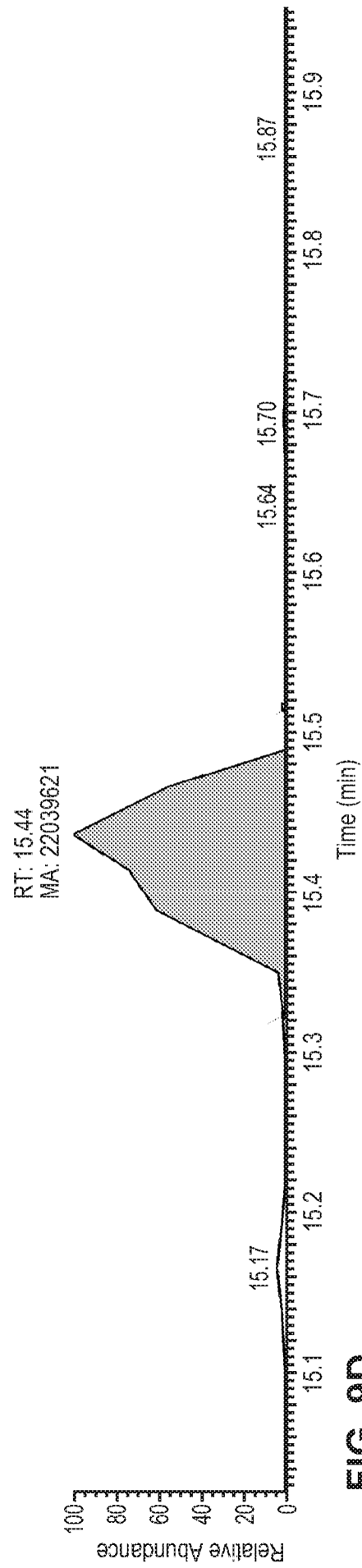


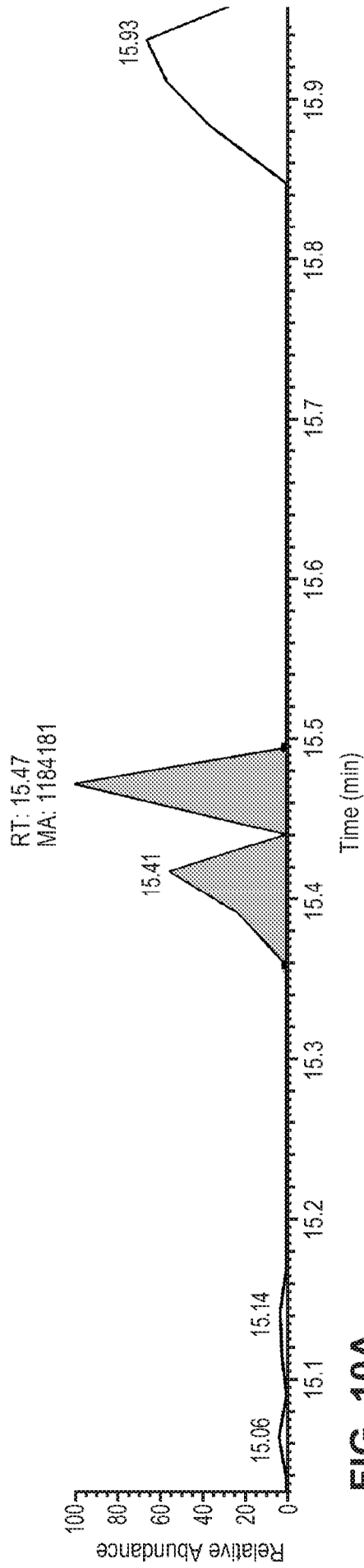
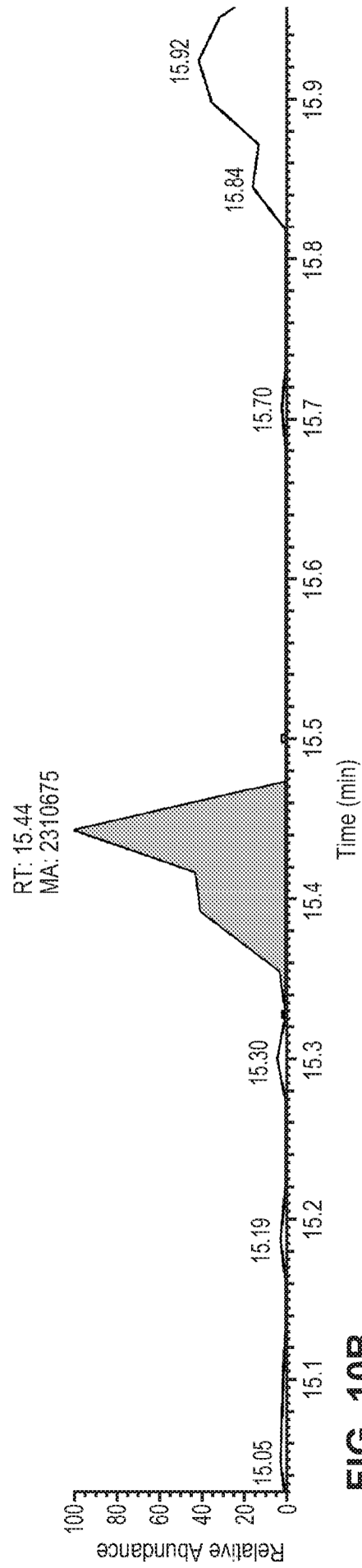
FIG. 8D

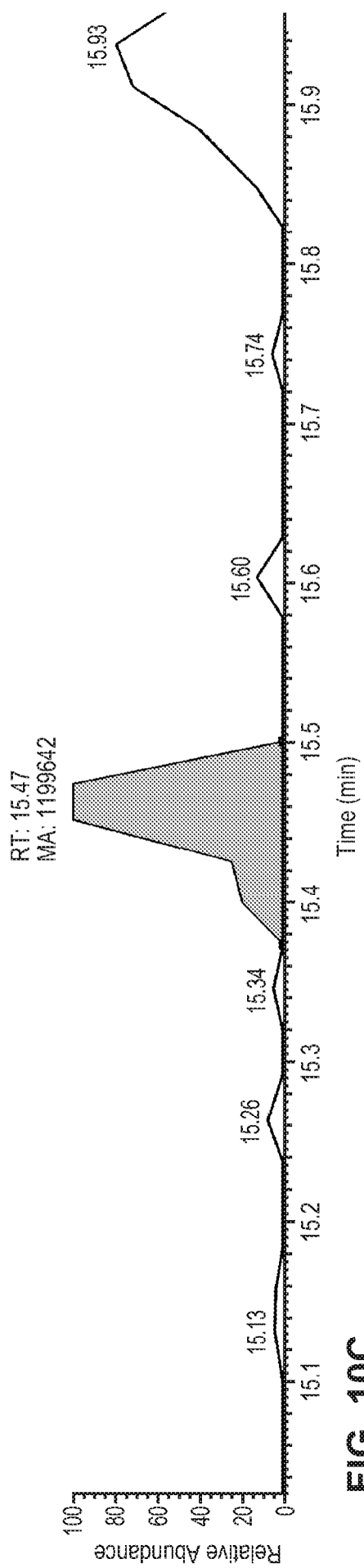


RT: 15.41
MA: 410330

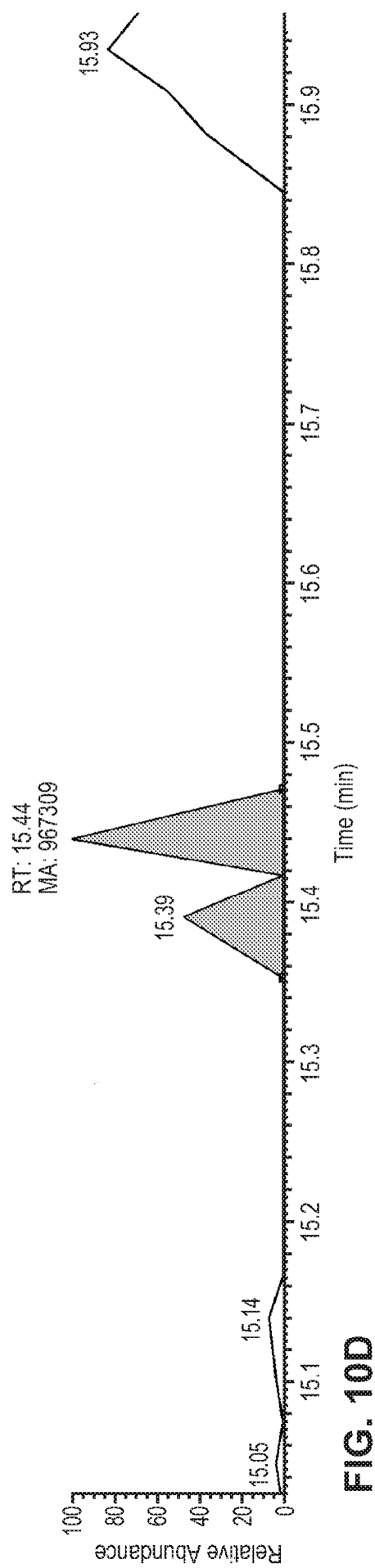


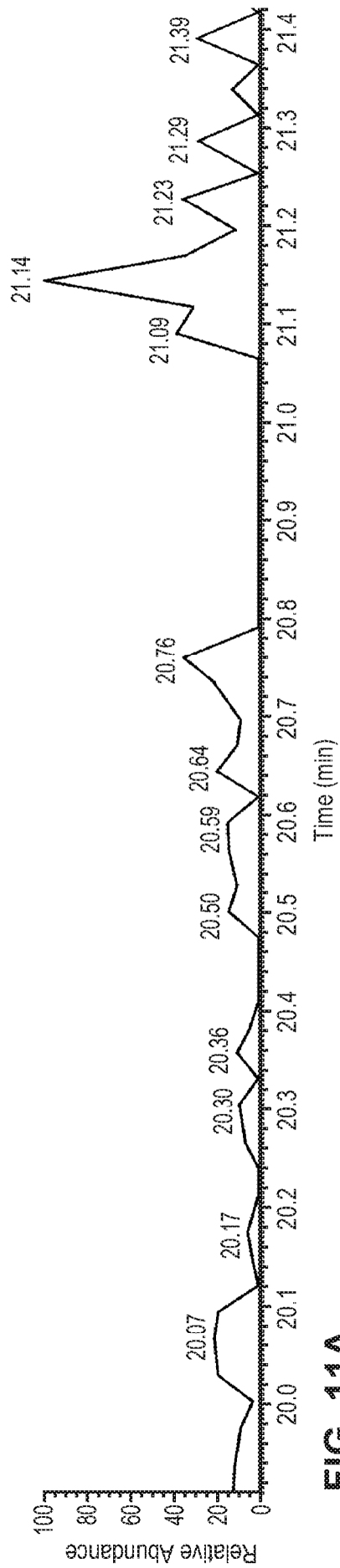
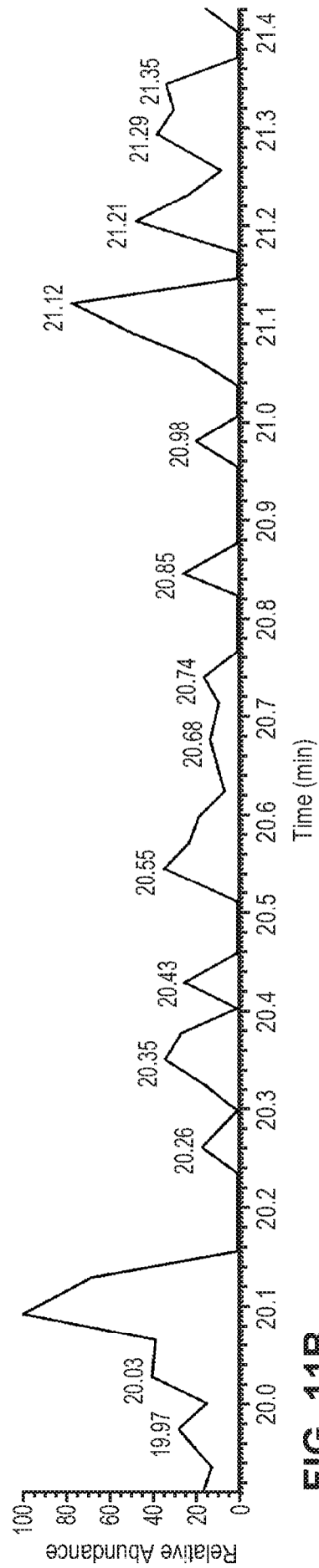


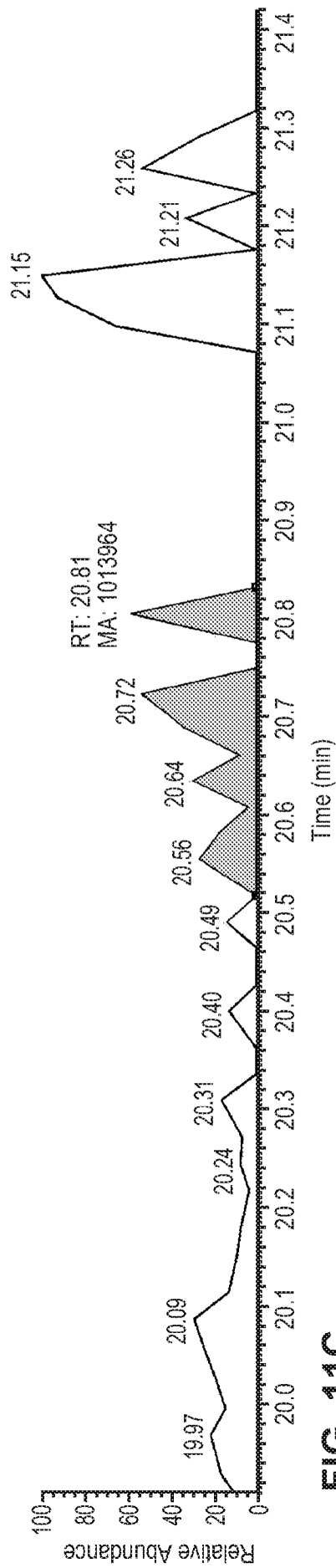
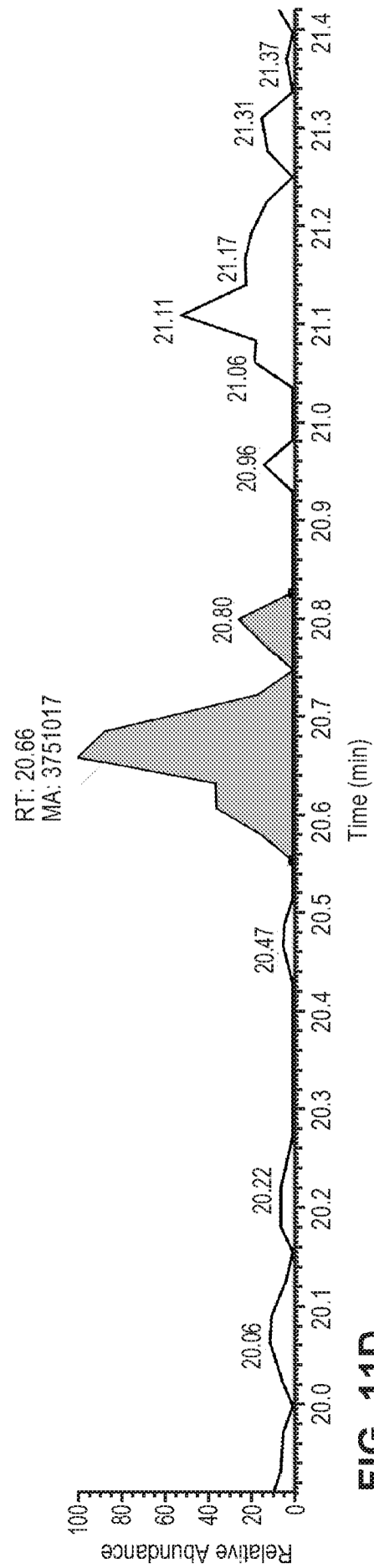




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**FIG. 11C****FIG. 11D**

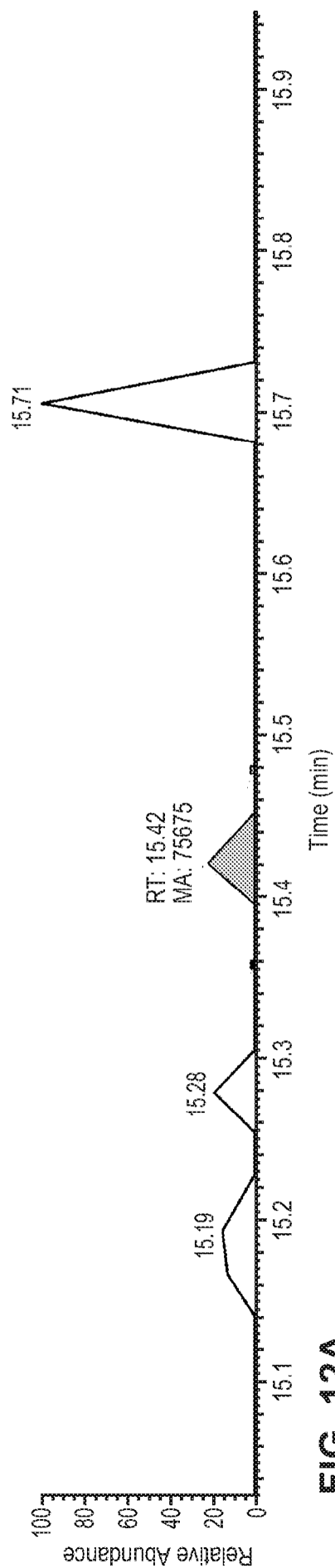


FIG. 12A

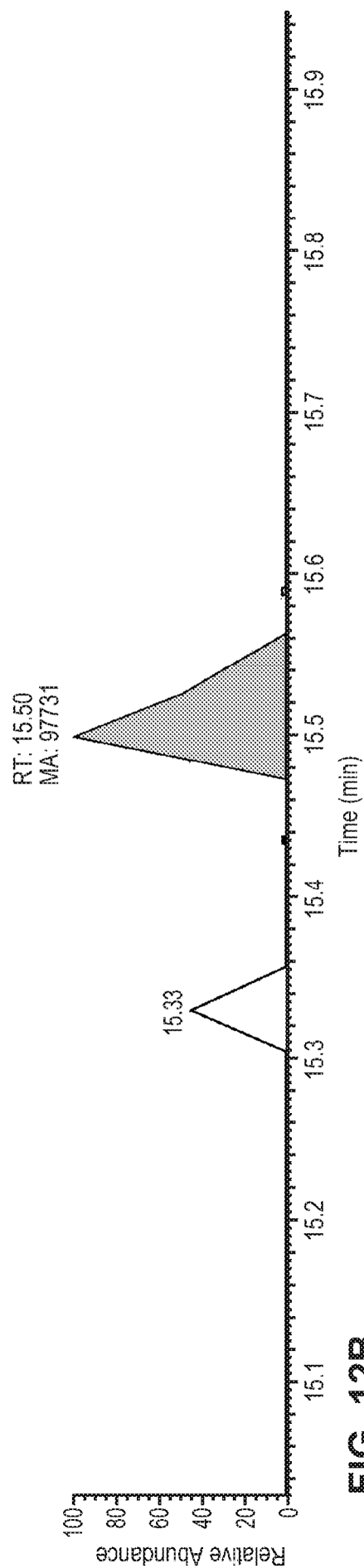
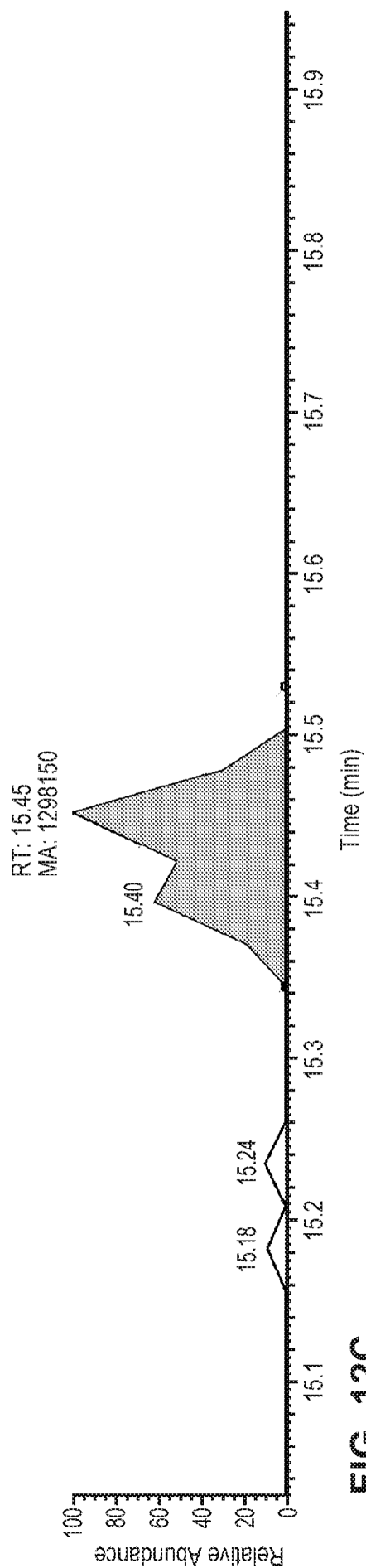
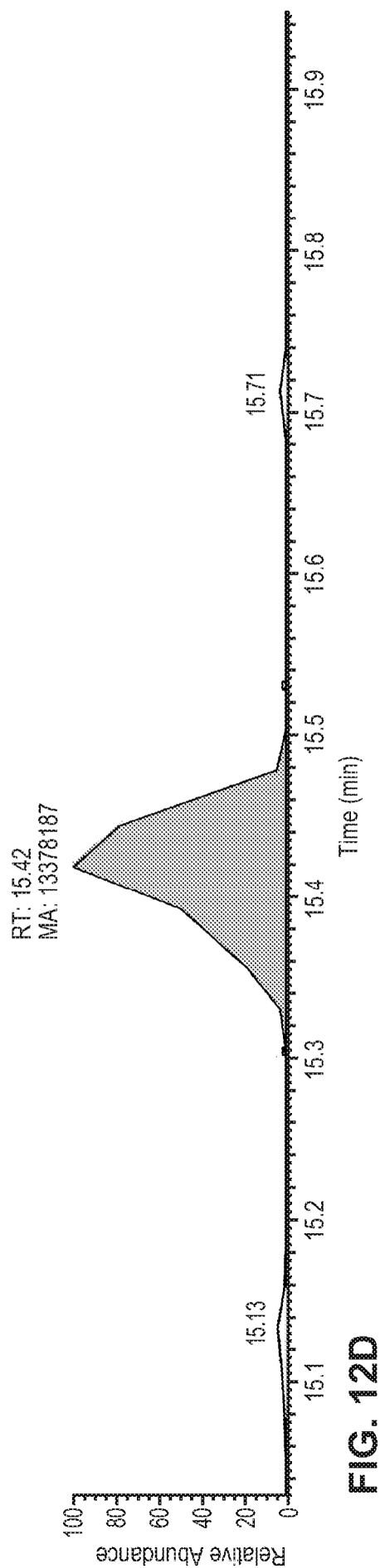
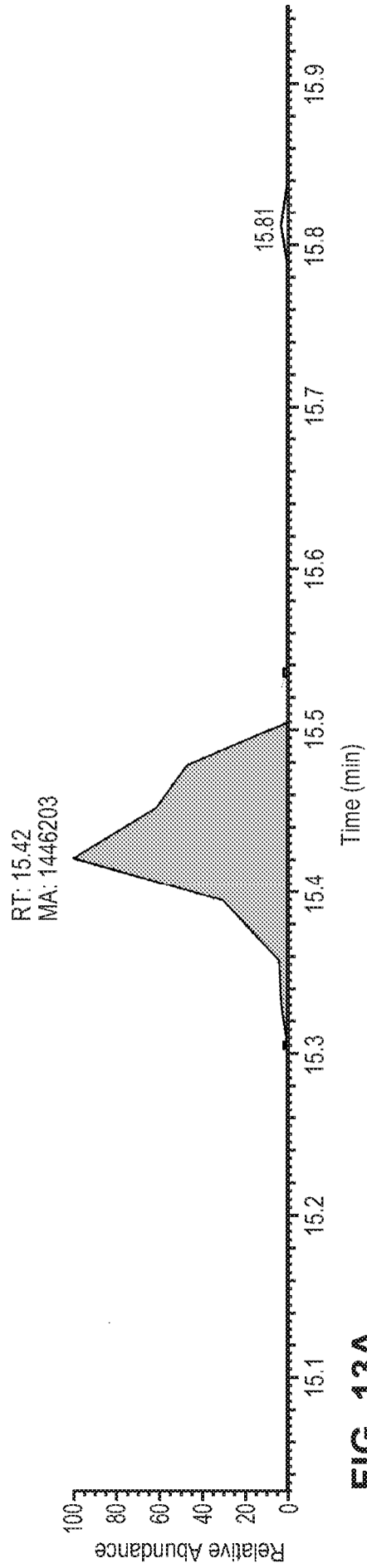
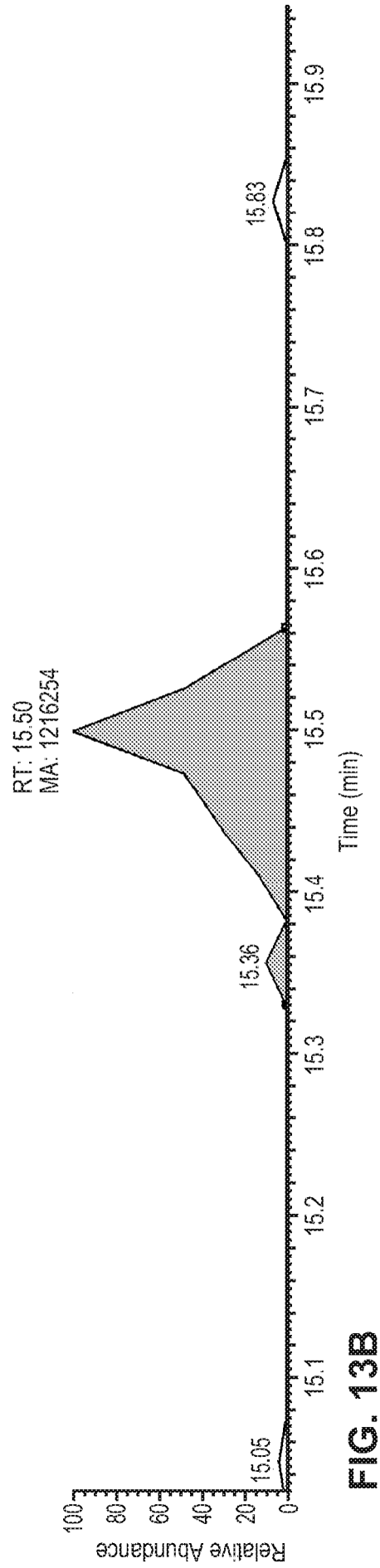
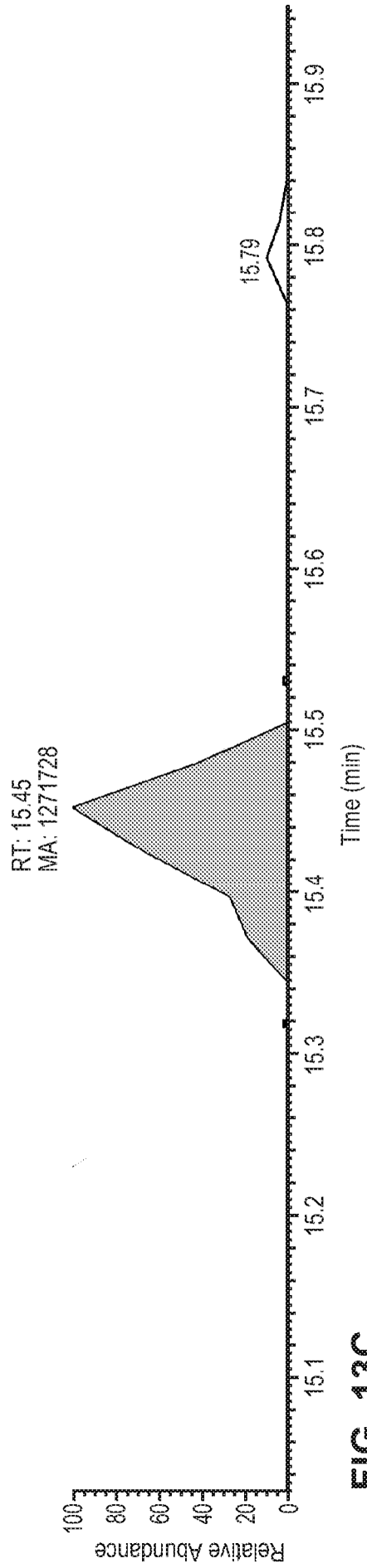
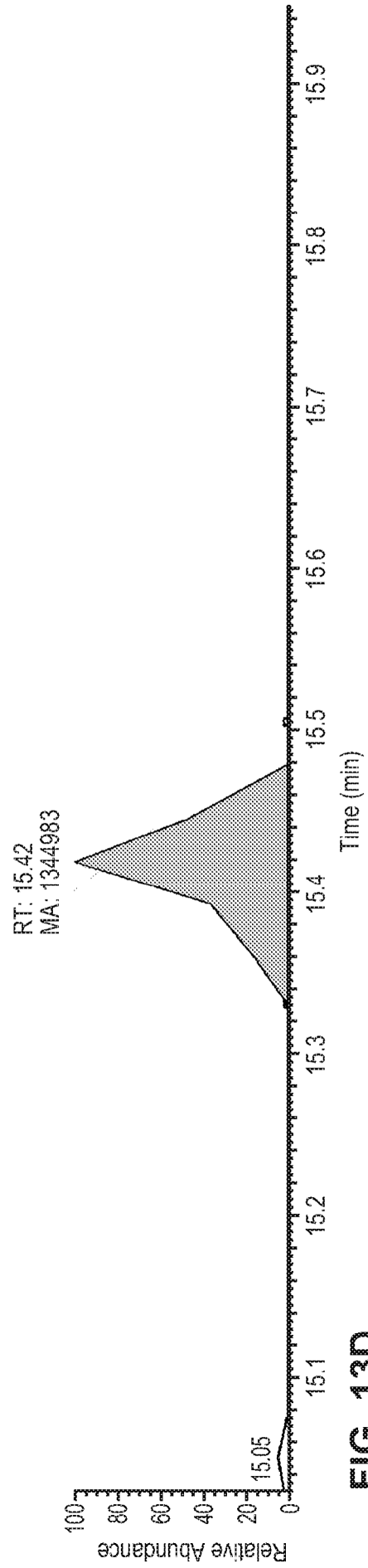
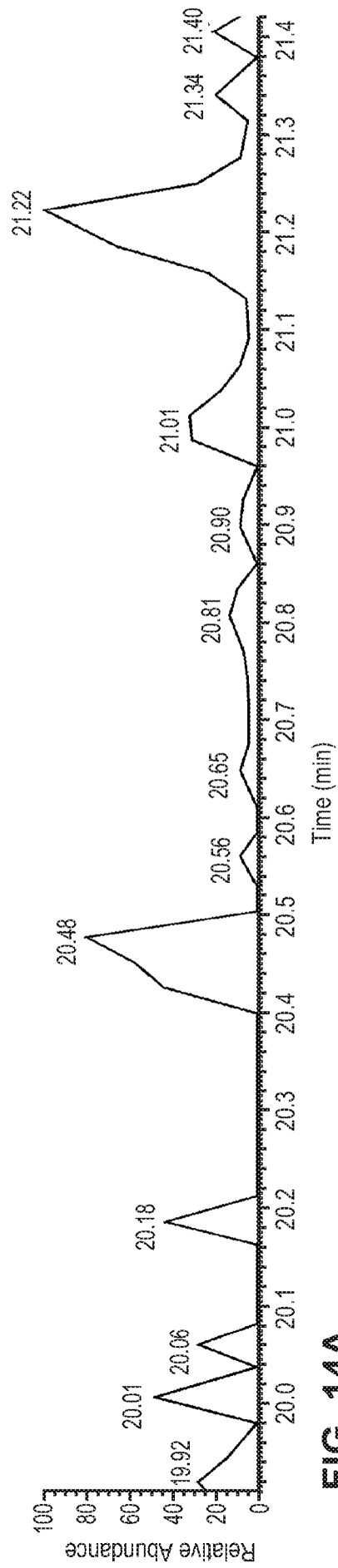
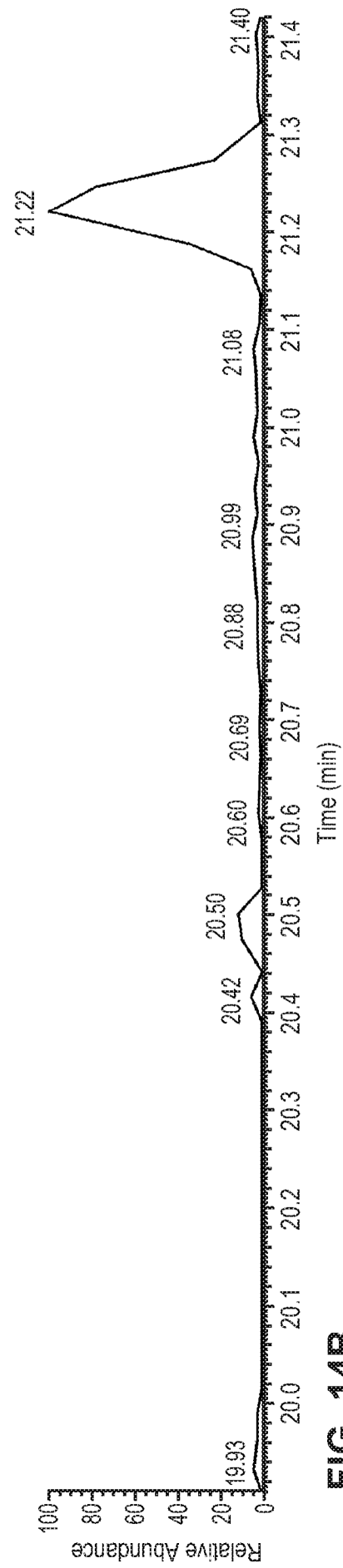


FIG. 12B







**FIG. 14A****FIG. 14B**

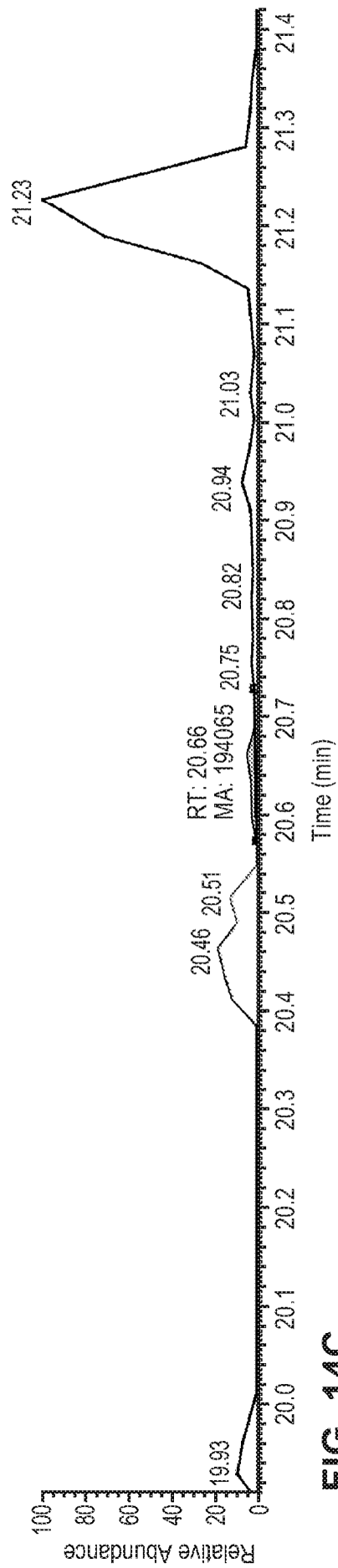
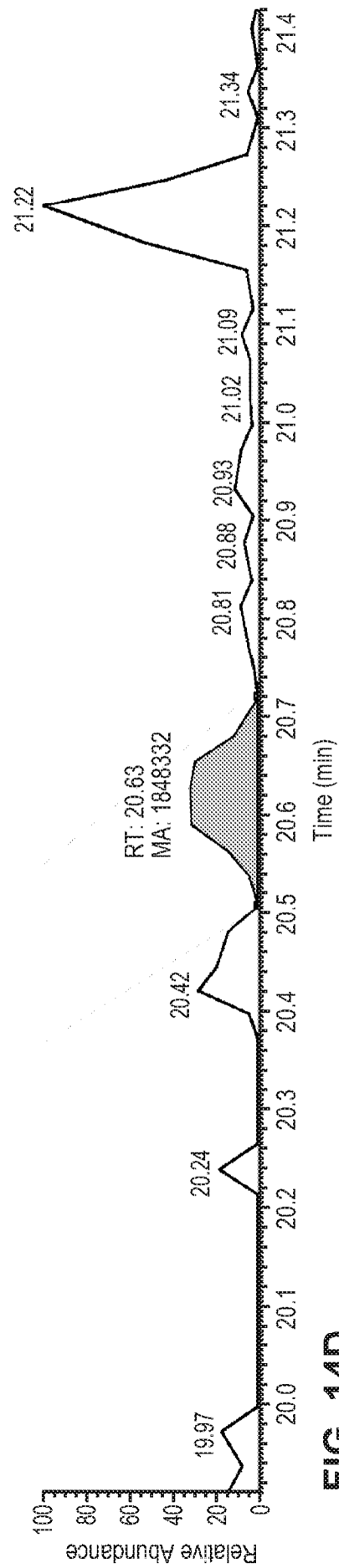
**FIG. 14C****FIG. 14D**

FIG. 15A

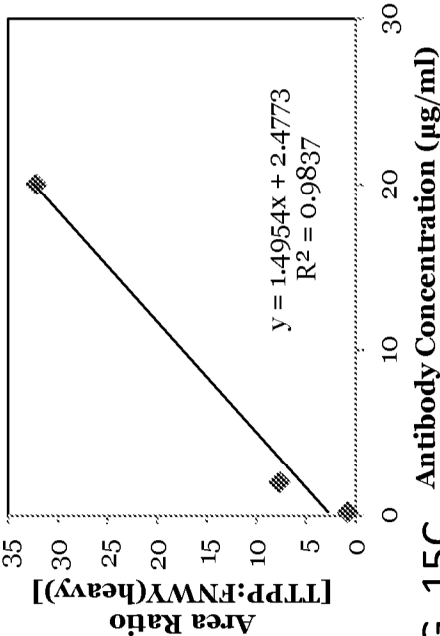


FIG. 15B

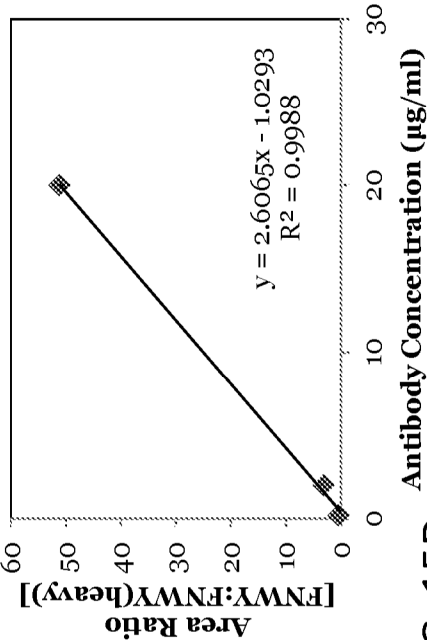


FIG. 15C

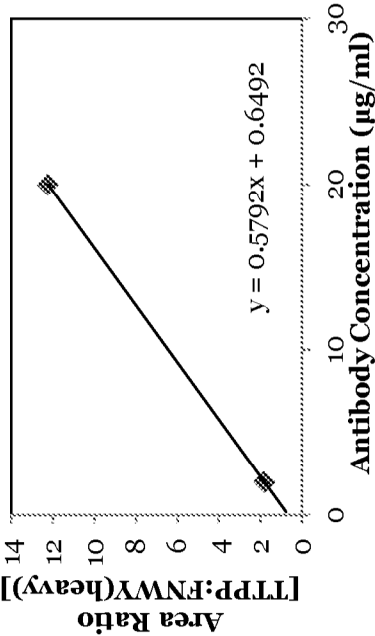


FIG. 15D

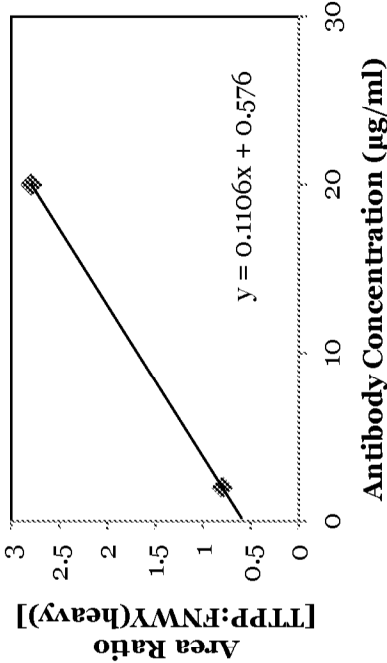


FIG. 16

Bispecific HC

EVRLVESGGGLVKPGGSLRLSCSASGFDFDNAWMTWVRQPPGKGLEWVGRITGPGEWSVDYAESVKGRFTISRDNNTKNTLYLEMNNVRTEDTGYYFCARTGK
YYDFWSGYPPGEYFQDWGGTLLIVSSDKTHTQVHLTQSGPEVRKPGTSVKVSCKAPGNTLKTYYDLHWVRSVPGQLQMMGWI SHEGDKKVIIVERFKAKVTI
DWDNSTNTAYLQLSGLTSGDTAVYYCAKAGSKHRLRDYALYDDDGALNWAVDVDYLSNLEFWGQGTAVTVSSDKTHTASTKGPVFPPLAPSSKSTSGGTAALGC
LVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNVNHPKPSNTKVDKKVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPK
KDTLMISRTPEVTCVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRWVSLTIVLHQDWLNGKEYCKVSNKALPAPIEKTISKAKGQPREPQVYIT
LPPCRDELTKNQVSLWCLVKGFYPSDIAVEWESNGQPENNYK**TPPVLDSDGSEFFLYS**KLITVDKSRWQQGNVFSCSVLHEALHSHYTTQKSLSLSPG (SEQ
ID NO: 12)

Bispecific LC

DFVLITQSPHSLSVTPGESASISCKSSSLIHGDRNNYLAWYVQKPGRSPQLLIYLAASSRASGVPDFRFGSGSDKDFTLKISRVEEDVGTYYCMQGR**ESPWTF**
GQGTNKVDIKDKTHTASELTQDPAVSVALKQTVTITCRGDSLRSHYASWYQKKPGQAPVLLFYGKNNRPSGIPDRFSGSASGNRASLTITGAQAEDEADYYC**SS**
RDKSGSRLSVFGGGTKLITVLDKTHTRTVAAPSVFIFPPSDEQLKSGTASVVCCLINNFYPREAKVQWKVDNALQSGNSQESVTEQDSK**DS****STYSLSSSTLTLSKAD**
YEKHKVYACEVTHQGLSPVTKSFNRGEC (SEQ ID NO: 13)

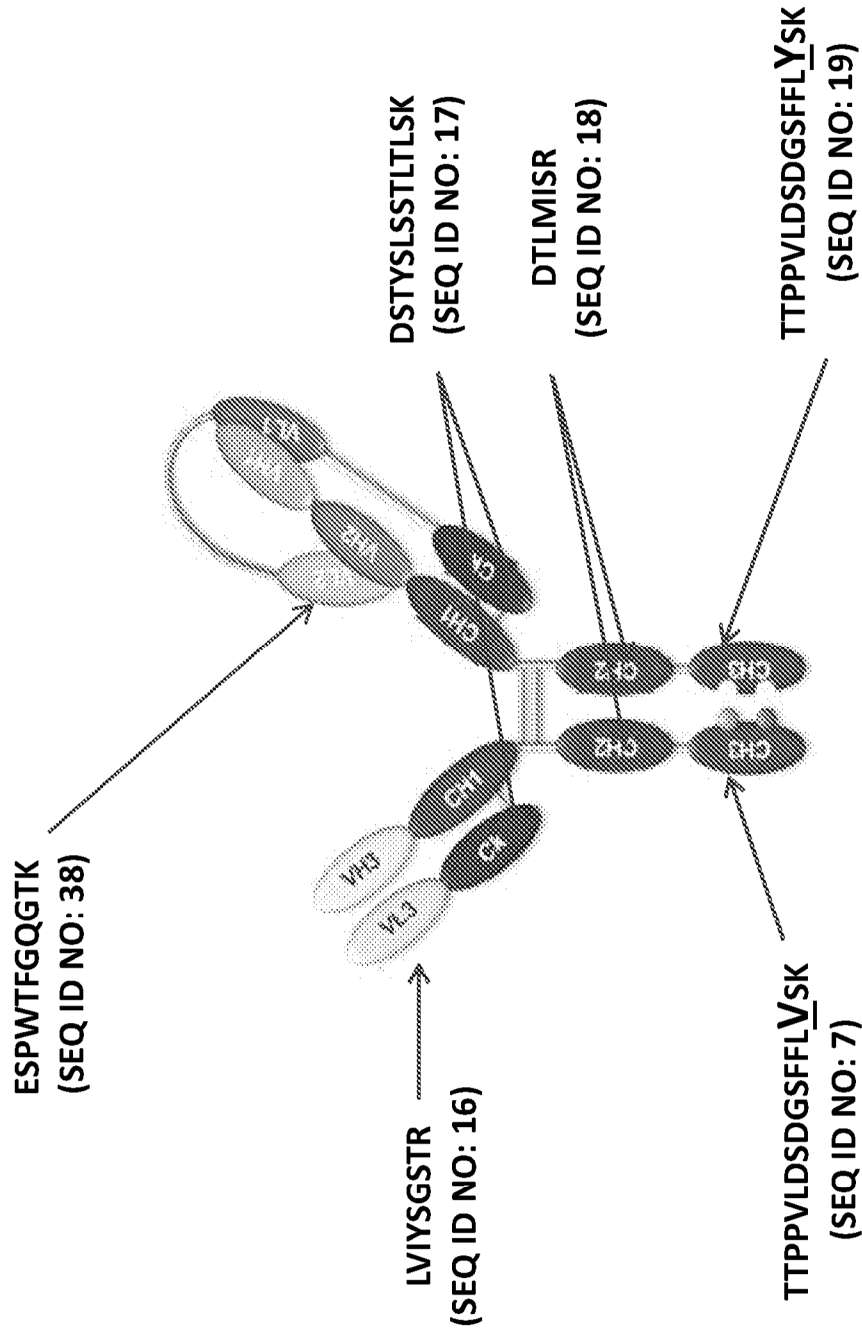
Monospecific HC

QVQLVQSGGQMKPKPGESMRI SCRASGYEFIDCTLNWIRIAPGKRPEWMGWLKPRGGAVNYPARPLQGRVTMTDRDVSDTAFLELRSLITVDDTAVYFCTRGKNCD
YNWDFEHWGRGTPVIVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPSSSLGTQTYICNV
NHKPSNTKVDKKVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPK**DTLMI**SRTPEVTCVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRWVSV
LTVLHQDWLNGKEYCKVSNKALPAPIEKTISKAKGQPREPQVCTLPPSRDELTKNQVSLSCAVKGFYPSDIAVEWESNGQPENNYK**TPPVLDSDGSEFFLYS**
KLITVDKSRWQQGNVFSCSVLHEALHSHYTTQKSLSLSPG (SEQ ID NO: 14)

Monospecific LC

EIVLTQSPGTLSPGETAIIISRTSQYGLAWYQQRPQAP**RLVIYSGSTR**AAGIPDRFSGSRWGPDPNLTISNIESGDFGVYCYQQYEFFGQGTKVQVDIK
RTVAAPSVFIFPPSDEQLKSGTASVVCCLINNFYPREAKVQWKVDNALQSGNSQESVTEQDSK**DS****STYSLSSSTLTLSKAD**YEKHKVYACEVTHQGLSPVTKSFN
RGEC (SEQ ID NO: 15)

FIG. 17



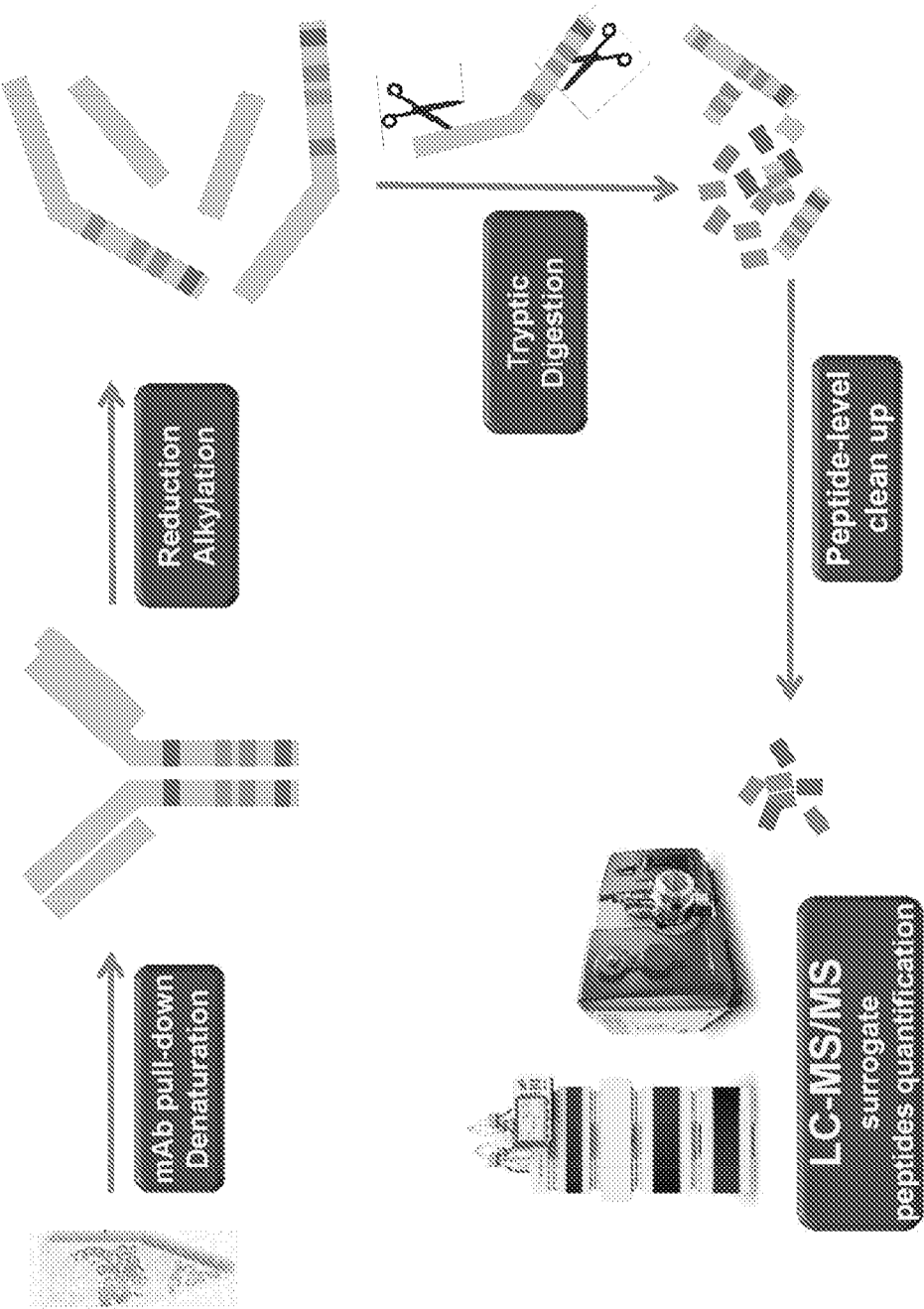


FIG. 18

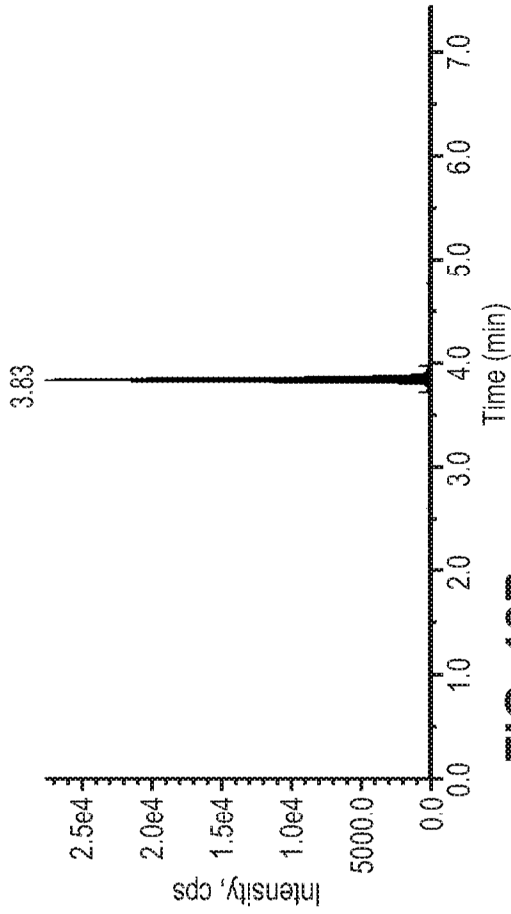


FIG. 19B

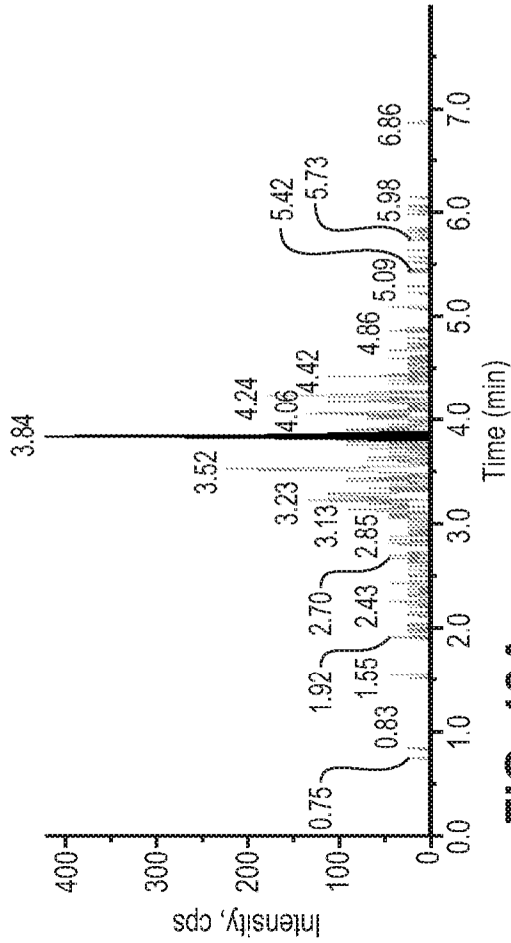


FIG. 19A

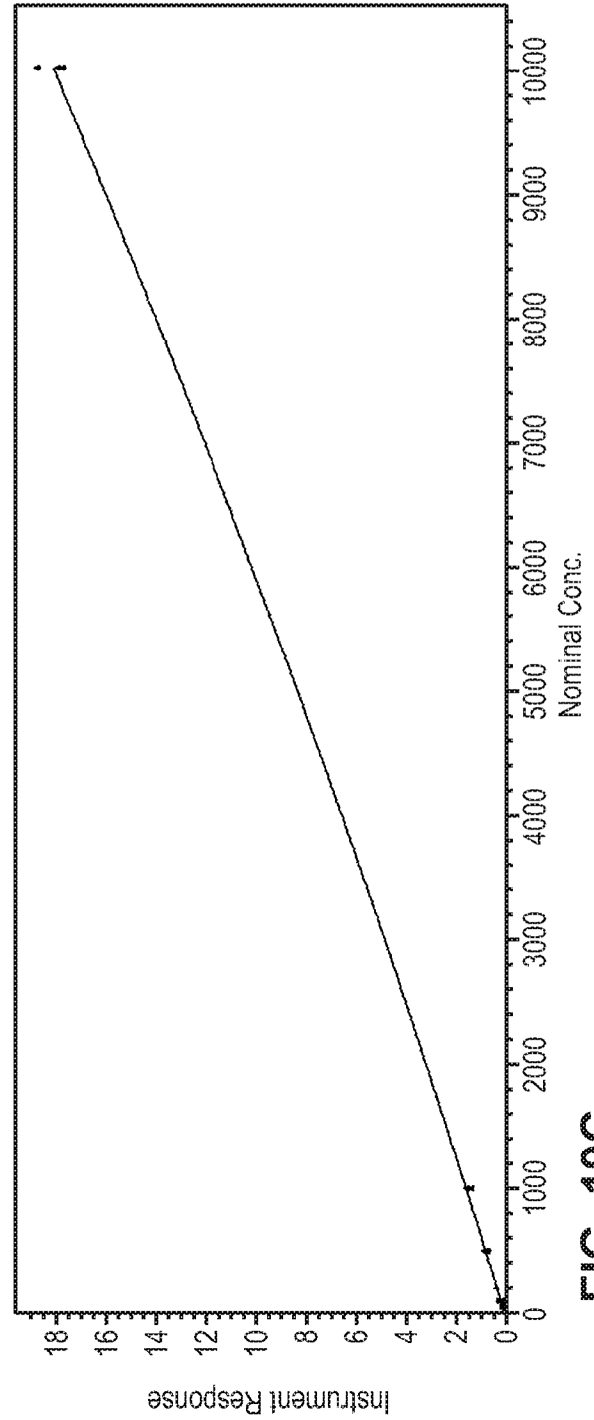


FIG. 19C

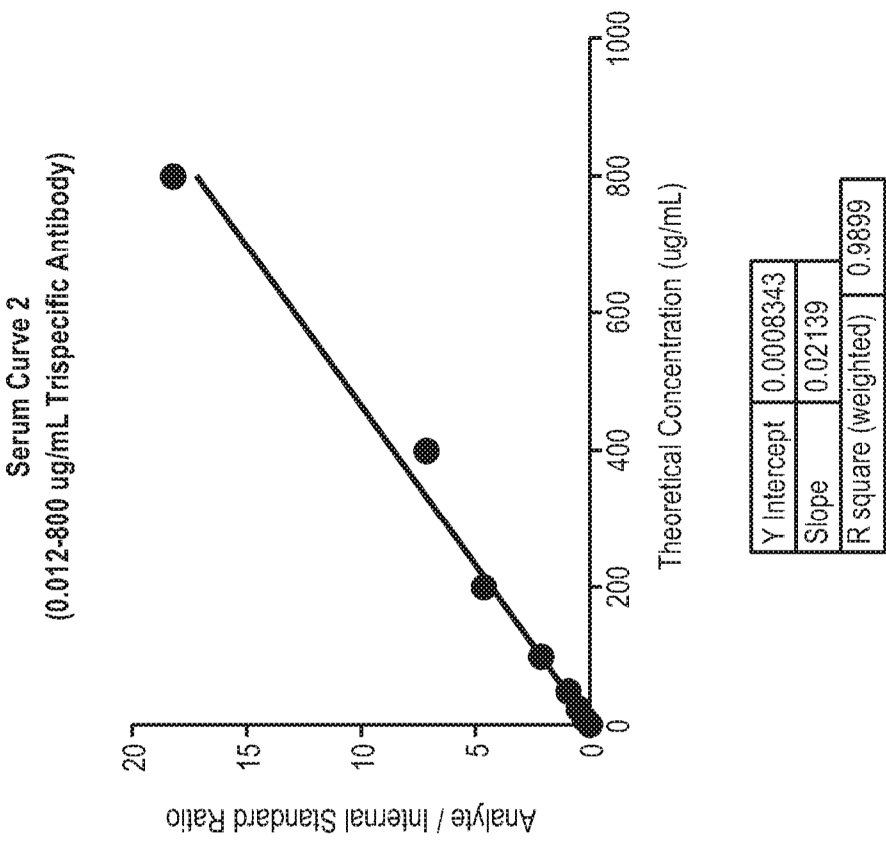


FIG. 20B

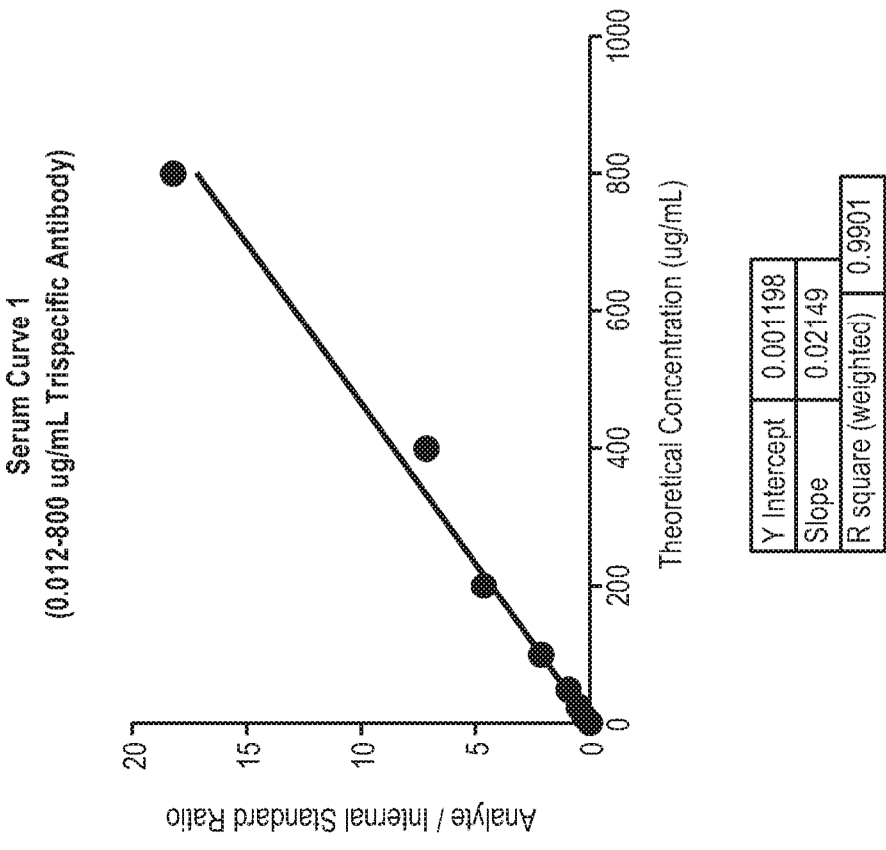


FIG. 20A

FIG. 21A

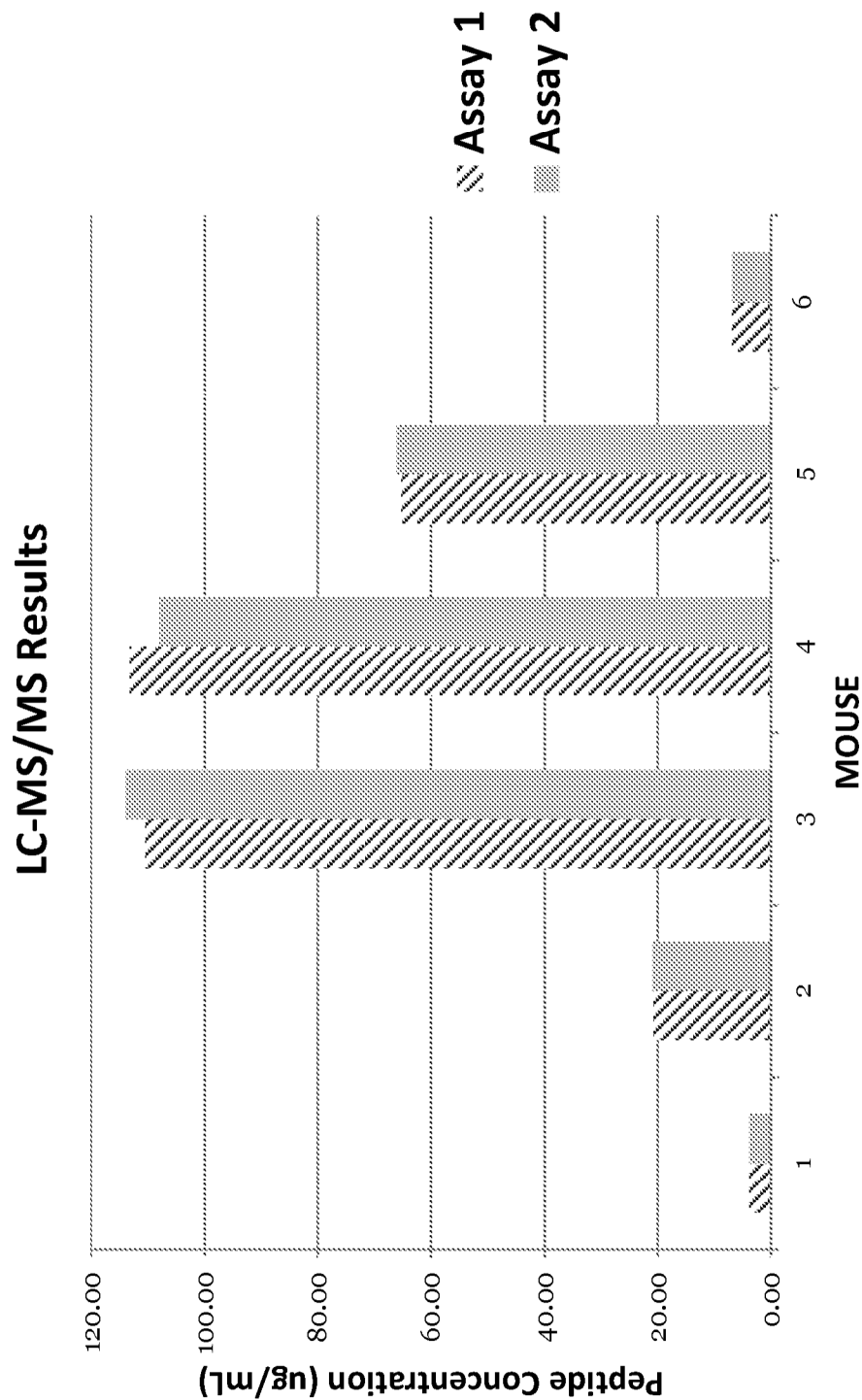
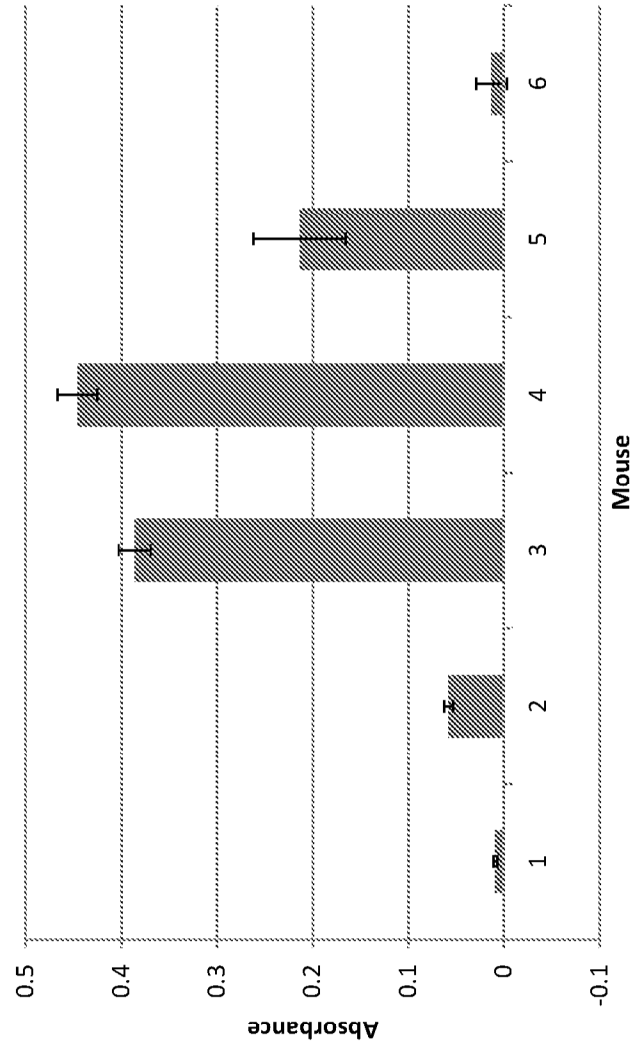


FIG. 21B



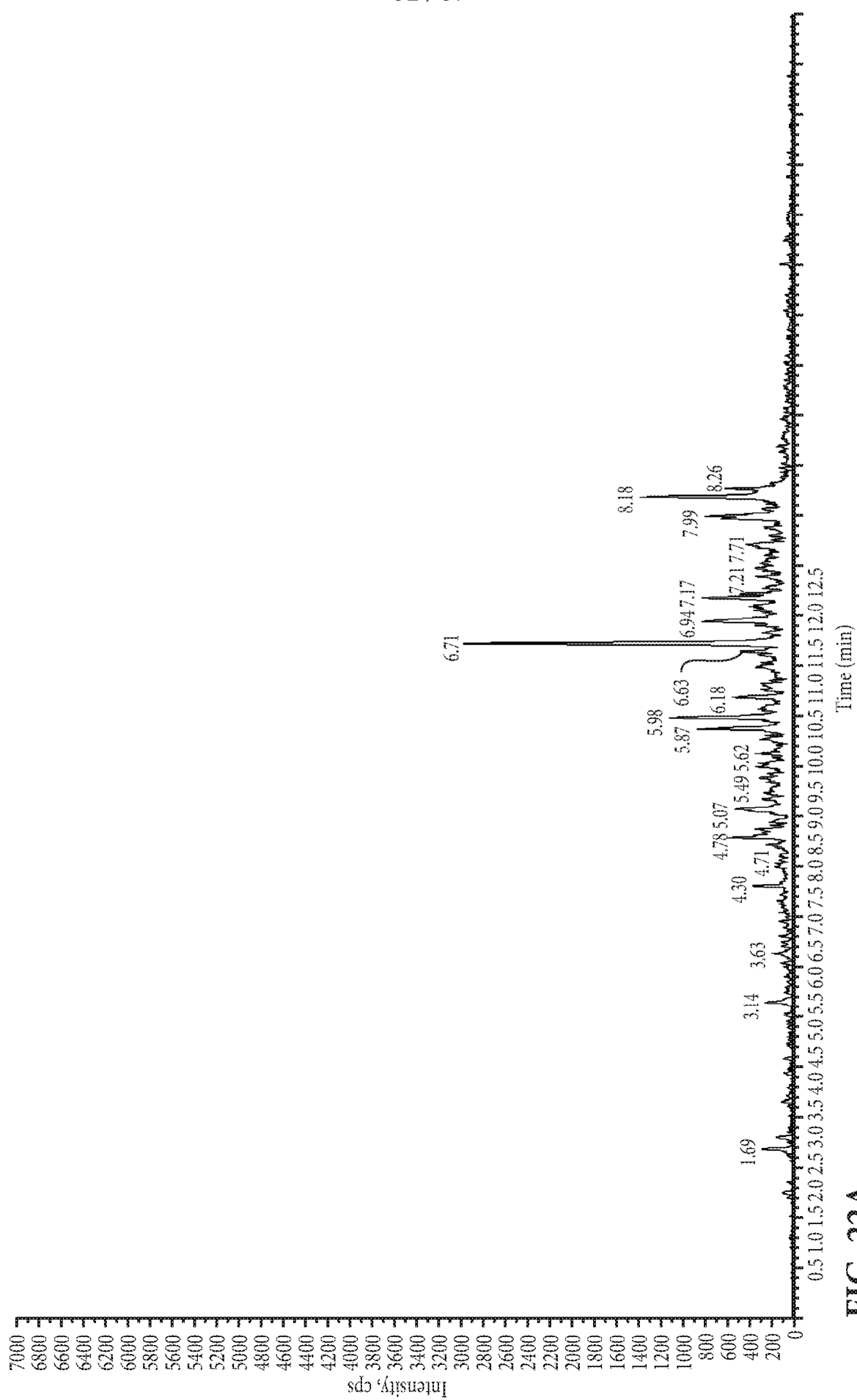


FIG. 22A

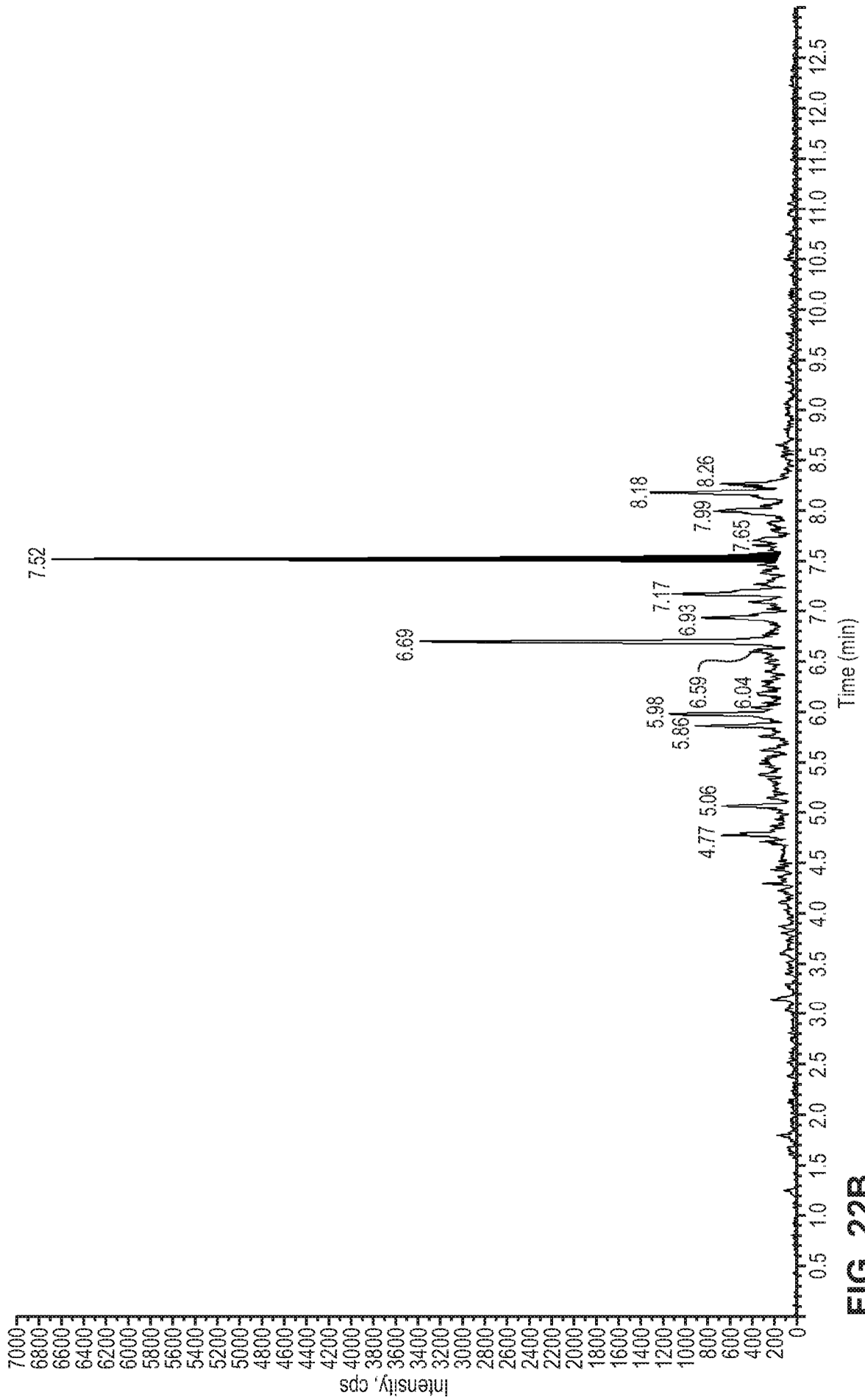


FIG. 22B

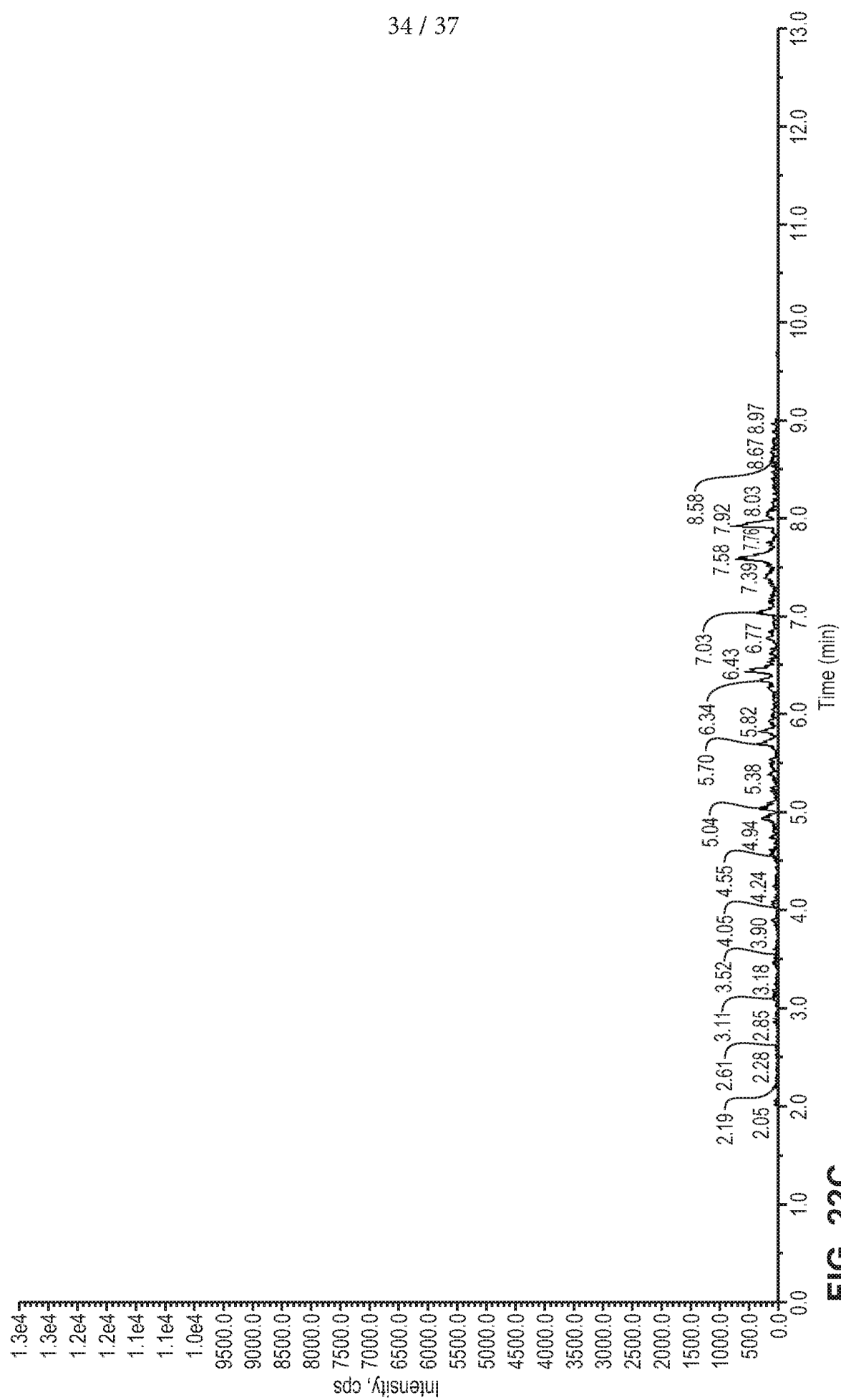


FIG. 22C

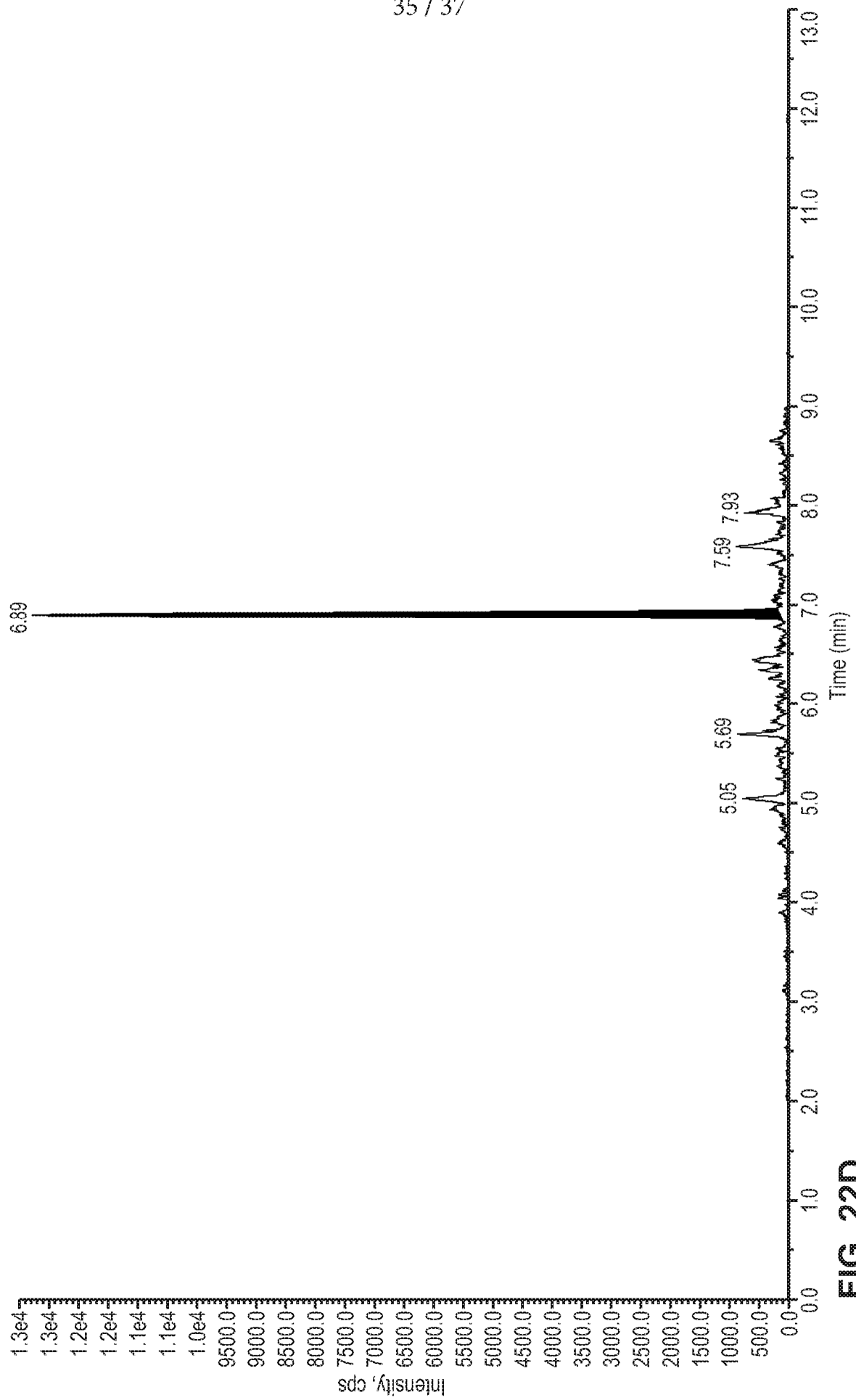
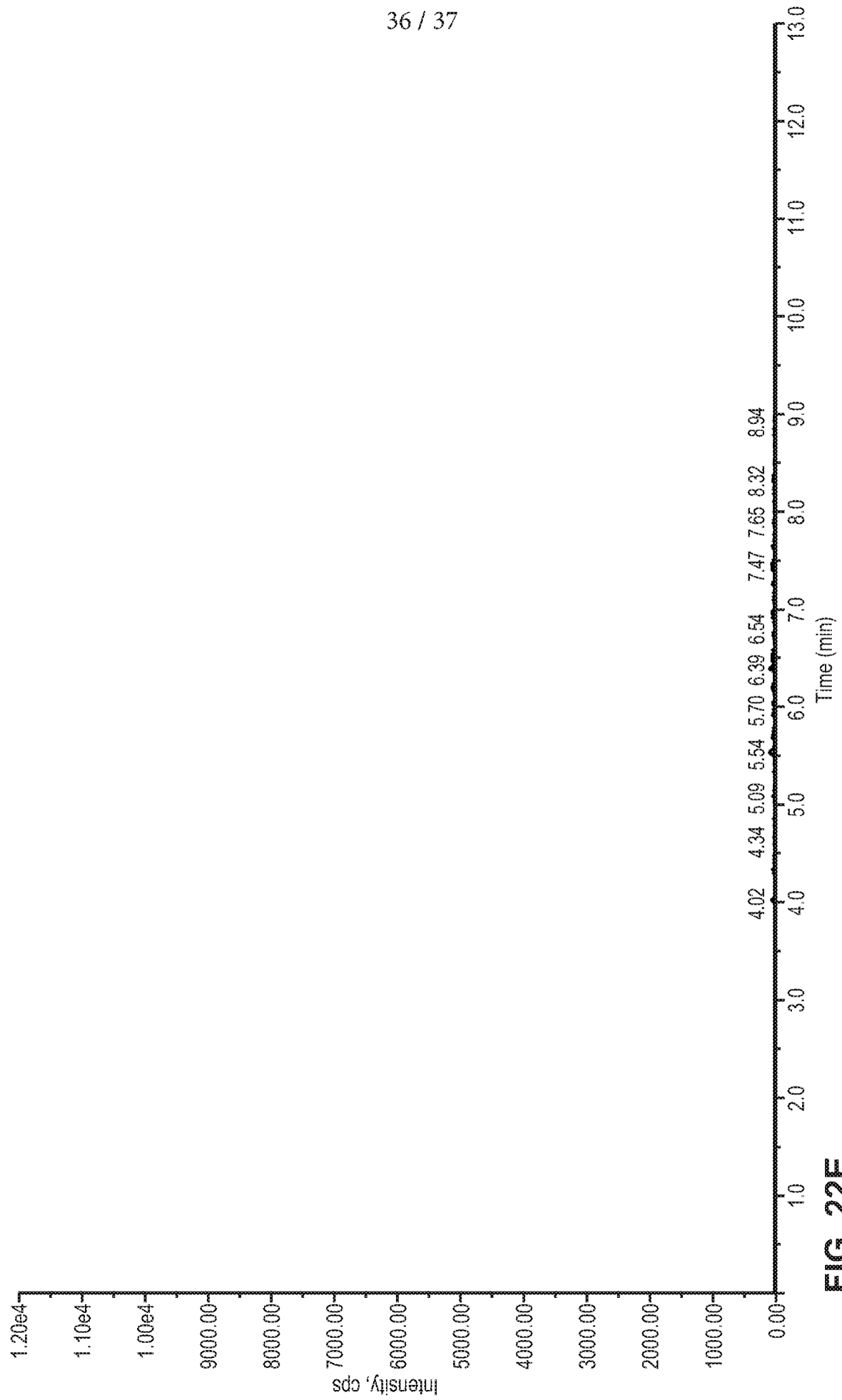


FIG. 22D

**FIG. 22E**

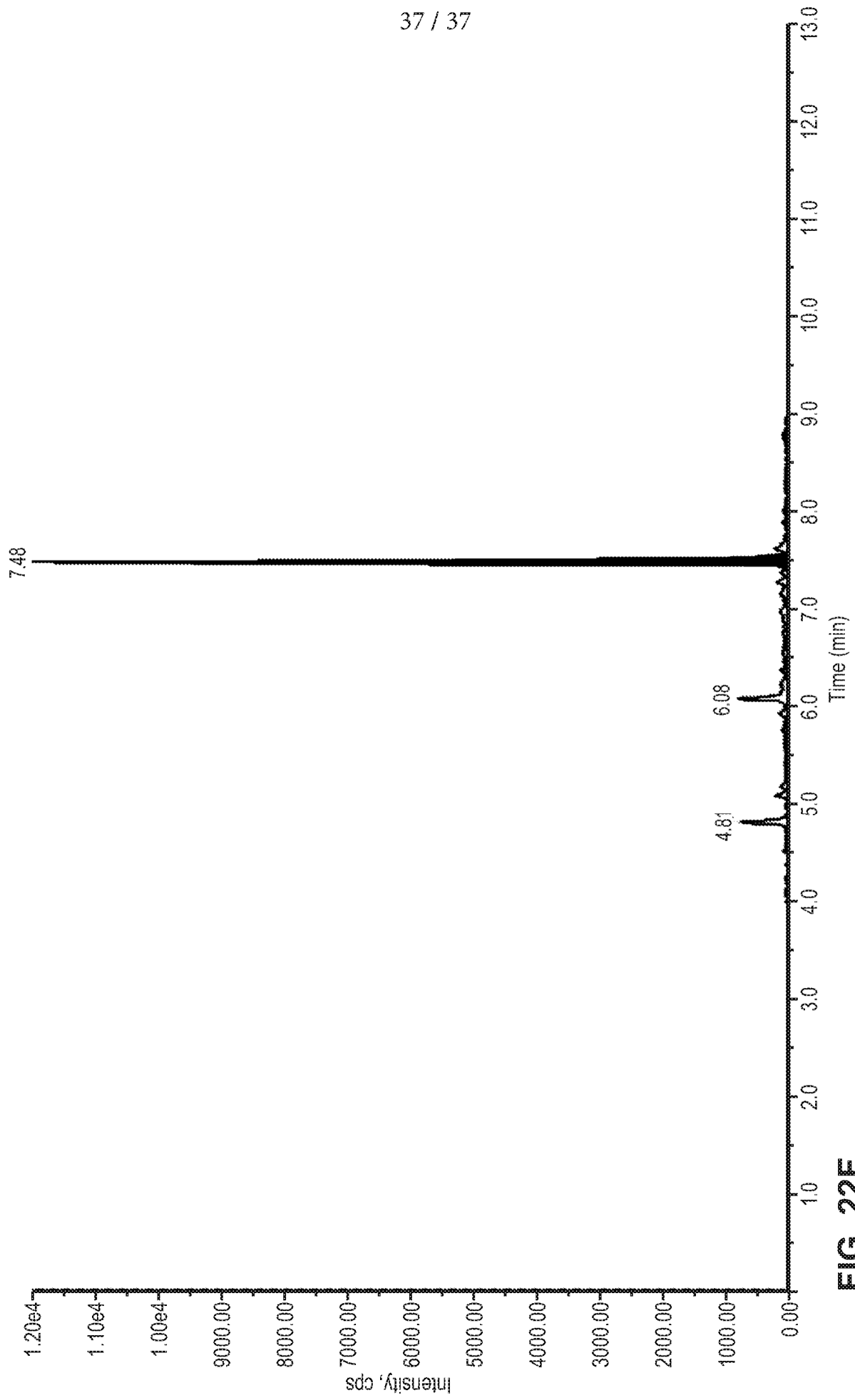


FIG. 22F