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(54) **METHODS AND COMPOSITIONS FOR THE TREATMENT OF GASTROINTESTINAL DISORDERS**
(75) Inventors: **Mark G. Currie**, Sterling, MA (US); **Shalina Mahajan-Miklos**, Stanford, CA (US); **Thea Norman**, San Diego, CA (US); **G. Todd Milne**, Brookline, MA (US)

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(73) Assignee: **Ironwood Pharmaceuticals, Inc.**, Cambridge, MA (US)

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

This patent is subject to a terminal disclaimer.

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Related U.S. Application Data

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(51) **Int. Cl.**
A61K 38/00 (2006.01)

(52) **U.S. Cl.** **514/14; 530/300**

(58) **Field of Classification Search** None
See application file for complete search history.

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Primary Examiner—Christopher R. Tate
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(74) *Attorney, Agent, or Firm*—Honigman Miller Cohen & Schwartz LLP; Jonathan P. O'Brien; Kelly T. Murphy

(57) **ABSTRACT**

The present invention features compositions and related methods for treating IBS and other gastrointestinal disorders and conditions (e.g., gastrointestinal motility disorders, functional gastrointestinal disorders, gastroesophageal reflux disease (GERD), Crohn's disease, ulcerative colitis, inflammatory bowel disease, functional heartburn, dyspepsia (including functional dyspepsia or nonulcer dyspepsia), gastroparesis, chronic intestinal pseudo-obstruction (or colonic pseudo-obstruction), and disorders and conditions associated with constipation, e.g., constipation associated with use of opiate pain killers, post-surgical constipation (post-operative ileus), and constipation associated with neuropathic disorders as well as other conditions and disorders using peptides and other agents that activate the guanylate cyclase C (GC-C) receptor.



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LCMS ANALYSIS OF RECOMBINANT PEPTIDE VARIANTS

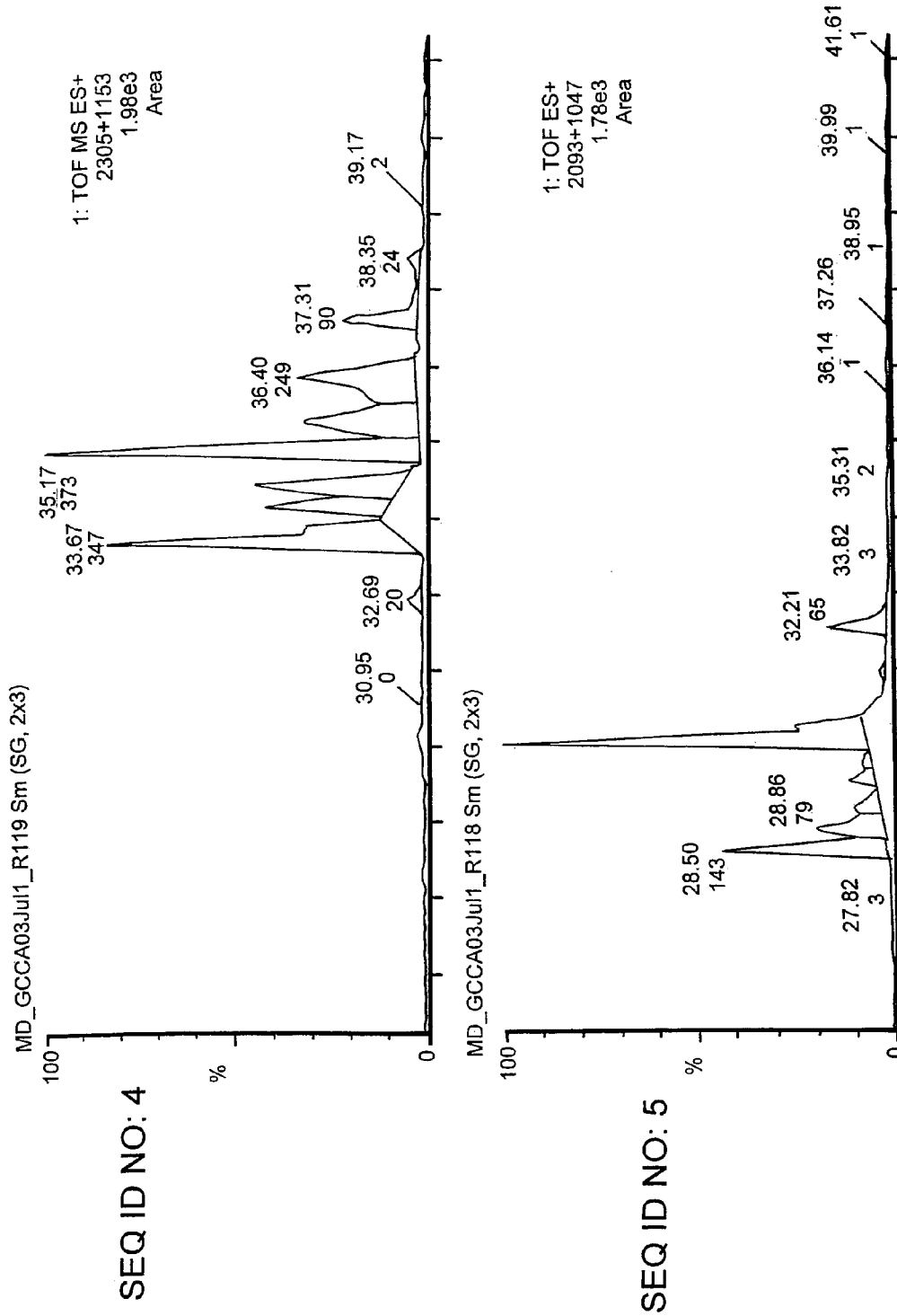


FIG. 1A

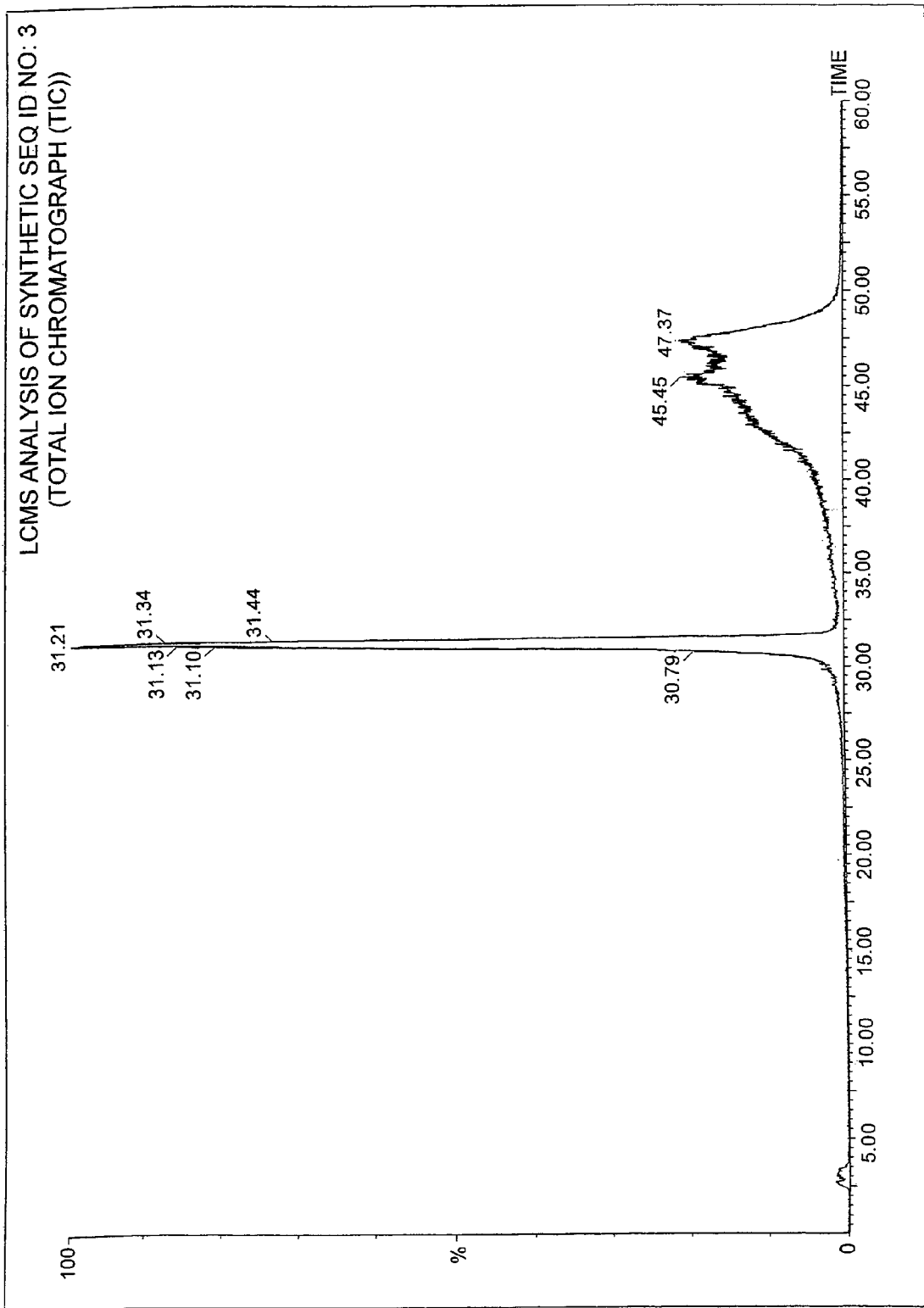


FIG. 1B

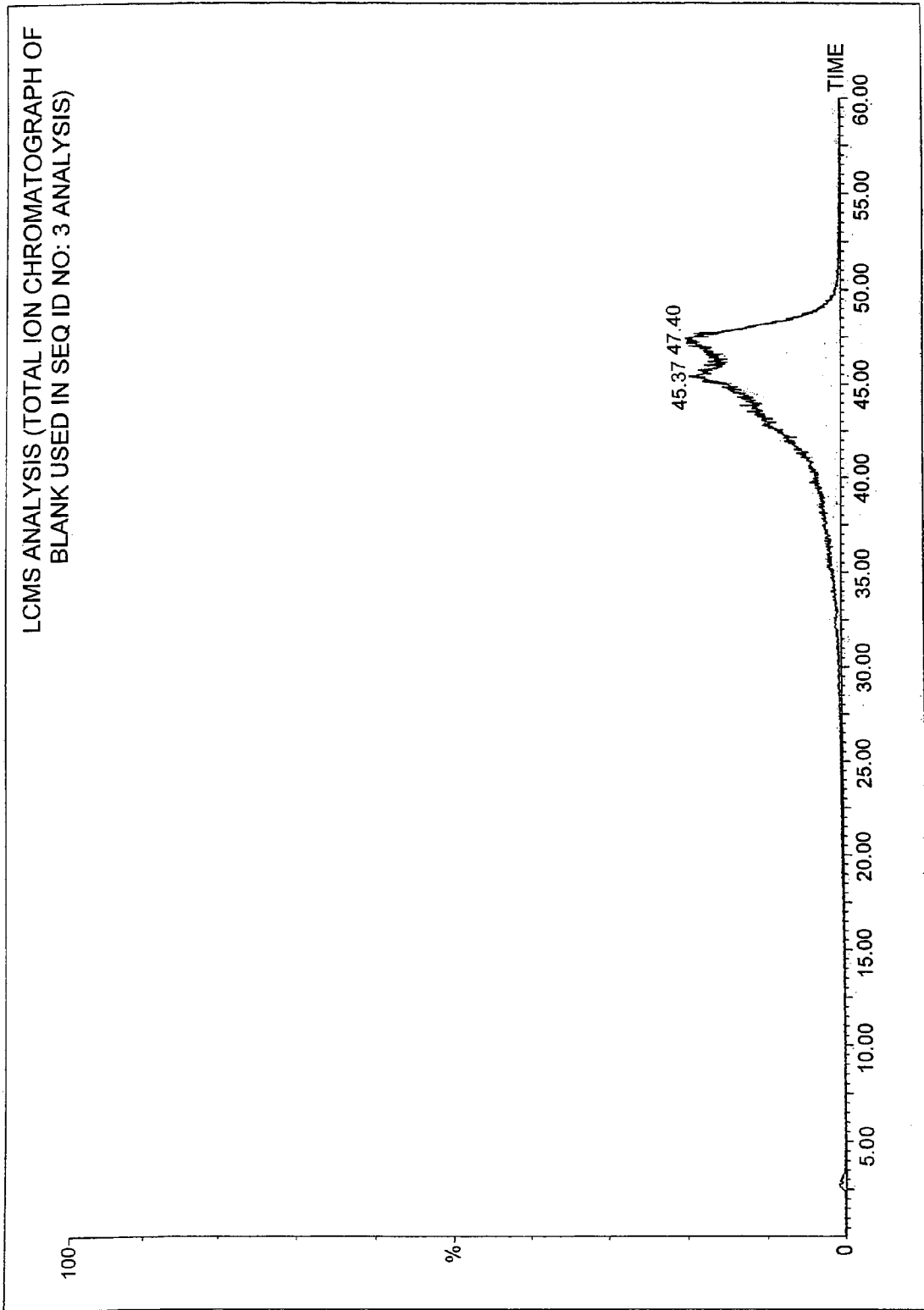


FIG. 1C

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