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Albany, NY
Ph. D. in analytical organic chemistry-1972

Rochester Institute of Technology,
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Master of Science-1967

Alfred University
Alfred, NY
B.A.-1965

Experience:

1 April 2006-present Chairman, Chief Scientific Officer
Advion BioSciences, Inc.

1 April 1993-31 March 2006 President, CEO, and Co-founder
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1992-2003 Professor of Toxicology
NYS College of Veterinary
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1982-1992 Assoc. Professor of Toxicology,
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1976-1982 Assistant Professor of Toxicology

	1973-1976	NYS College of Veterinary Medicine Cornell University Ithaca, NY 14850 Director of Cornell NIH Biotechnology Resources High Resolution Mass Spectrometry Facility, Department of Chemistry Cornell University Ithaca, NY 14853
	1972-1973	Post-doctoral Research Assoc. with Prof. Maurice M. Bursey Department of Chemistry University of North Carolina at Chapel Hill, Chapel Hill, N.C.
	1967-1972	Doctoral student at the SUNY at Albany, Albany, NY
	1967-(Summer)	Research Chemist, F.M.C. Corp., Middleport, NY
	1965-1967	Masters candidate, Rochester Institute of Technology, Rochester, NY.
Professional Affiliations:		American Chemical Society American Society for Mass Spectrometry American Assoc. for the Advancement of Science. Am. Assoc. Pharm. Sci. Royal Society of Chemistry, BA FRSC
Advisory Board:	1988-1991	Journal of Microcolumn Separations.
Board Member:	1992-1994	Elected to Board of Directors, American Society for Mass Spectrometry.
Editorial Board:	1997-present	Journal of the American Society for Mass Spectrometry
Fellow	1998	American Association for Pharmaceutical Sciences.
<i>Doctor Honoris Causa</i>	1992	University of Ghent, Ghent, Belgium

Patents:

1. Ion Spray Apparatus and Method, J.D. Henion, T.R. Covey, and A.P. Bruins, US Patent No. 4,861,988, Aug. 29, 1989.
2. Thermal-Assisted Electrospray Interface (TAESI) for LC/MS, J.D. Henion, E.D. Lee, and T.R. Covey, US Patent No. 4,935,624, Jun. 19, 1990.
3. Differentially Pumped Ion Trap Mass Spectrometer, A. Mordehai and J. D. Henion, US Patent No. 5,268,572, Dec 7, 1993.
4. Atmospheric Pressure Ion Interface for a Mass Analyzer, A. Mordehai, G. Hopfgartner, and J.D. Henion, US Patent No.5,352,892, Oct. 4, 1994.
5. Self-Aligning Liquid Junction, J.D. Henion, R.L. Sheppard, and T. Wachs, US Patent No. 5,587,582, Awarded 5 January, 1999.
6. Ion Spray Interface for Chip-Based Separations, T. Wachs and J.D. Henion, Provisional Application for Patent, 3 Nov, 1999.
7. Protein Sequencing by Mass Spectrometry, T.R. Covey, E. Huang, and Jack Henion, US Patent No. 5,952,653, Sep 14, 1999.
8. Liquid Junction Coupling for Capillary Zone Electrophoresis Ion Spray Mass Spectrometry, U.S. Patent No. 4,994,165, Feb. 19, 1991.
9. Ion Sprayer for Direct Elution from SPE Cards, T. Wachs and J. D. Henion, Invention Disclosure D-3098, May, 2002.

Scientific Publications:

1. J.D. Henion, and R.E. Gilman, "Pyrolysis studies of a novel series of xanthates," Can. J. Chem., 1970, 48, 970.
2. J.D. Henion, and D.G. Kingston, "Skeletal rearrangements in 1-¹³C-phenyl sulfide," Chem. Comm., 1970, 258.
3. J.D. Henion and D.G. Kingston, "Skeletal randomization in phenyl azide," Org. Mass Spectrom., 1970, 3, 431.
4. J. D. Henion and D.G. Kingston, "Studies of substituent scrambling in diphenyl sulfide and diphenyl ether," J. Am. Chem. Soc., 1973, 95, 8358.
5. J. D. Henion, M.S. Sammons, C.E. Parker and M.M. Bursley, "Ion cyclotron resonance studies of steric effects in 2-alkylpyridines," Tetrahedron Letters, 1973, 495.
6. J.D. Henion and D.G. Kingston, "Bisdiazo insertion in cycloheptanone," J. Org. Chem., 1973, 38, 3067-3068.

7. J.D. Henion and D.G. Kingston, "McLafferty rearrangements in some bicyclic ketones," J. Am. Chem. Soc., 1974, 96, 2532-2536.
8. M.M. Bursey, J.L. Kao, J.D. Henion, C.E. Parker, and T. Juang, "Analytical ion cyclotron resonance spectrometry: Stereochemical effects in some cyclic ketones," Anal. Chem., 1974, 46, 1709-1712.
9. J.D. Henion, J.L. Kao, W.B. Nixon, and M.M. Bursey, "Analytical ion cyclotron resonance spectrometry: Increased discrimination between stereoisomers by ion molecule reactions with 1,2-dicyclopropylethandione," Anal. Chem., 1975, 47, 689-692.
10. R.H. Wasserman, J.D. Henion, M.R. Hanssler, T.A. McCaine, "Evidence that a calcinogenic factor in Solanum Malacoxylon is 1,25-dihydroxy-vitamin D₃-glycoside," Science, 1976, 194, 853-855.
11. G.A. Maylin, J.D. Henion, D.J. Hicks, L.Leibovitz, V.D. Ahrens, M.Gilbert, and D.J. Lisk, "Toxicity to fish of flame retardant fabrics immersed in their water," Bull of Envir. Contam. and Tox., 1977, 47, 499-504.
12. M.Gilbert, A. Penel, F.V. Kosikowski, J.D. Henion, G.A. Maylin and D.J. Lisk, "Electron affinity gas chromatographic determination of beta-nitropropionic acid as its pentafluorobenzyl derivative in cheeses and mold filtrates," J. Food Sci., 1977, 42, 1650-1653.
13. W.B. Nixon, S.Woodward, M.M. Bursey and J.D. Henion, "Ion molecule reactions of dimethyl-sulfoxide," Int. J. Mass Spectrom. Ion Phys., 1977, 26, 115.
14. J.D. Henion, "Applications of LC/MS/COM to the separation and identification of biologically important substances," Adv. Mass Spectrom., 1978, 7, 865.
15. J.H. Wedig, R.A. Wentworth, M.A. Gallo, J.A. Babish, and J.D. Henion, "Disposition of zinc pyriothone in the rat," Food and Cosmetics Tox., 1978, 16, 553.
16. J.D. Henion and D.G. Kingston, "Mass spectral skeletal and hydrogen rearrangements in some bicyclic ketones," Org. Mass Spectrom., 1978, 13, 431-437.
17. J.D. Henion, "Drug analysis by continuously monitored liquid chromatography/mass spectrometry with a quadrupole mass spectrometer," Anal. Chem., 1978, 50, 1687-1603.
18. T. Tobin, G.A. Maylin, J.D. Henion, C. Woodward, R. Day, J. Johnston, and J.W. Blake, "An evaluation of pre- and post-race testing and blood and urine drug testing in horses," J. Equine Med. and Sur., 1979, 3, 85-90.
19. V.D. Ahrens, G.A. Maylin, J.D. Henion, L.E. St.John, Jr., and D.L. Lisk, "Fabric release, fish toxicity and water stability of the flame retardant, Fyrol FR-2," Bull. Environ Contam. and Tox., 1979, 21, 409-412
20. W.F. McFadden, J.D. Henion, C.N. Kenyan, P.J. Arpino, T.I. Martin, D.E. Games, R.F. Skinner, M.J. McAdams, and B.L. Karger, "LC/MS systems and applications," J. Chromatogr. Sci., 1980, 18, 97-115.
21. J.D. Henion and G.A. Maylin, "Nanogram drug analysis by direct injection micro LC/MS," Biomed. Mass Spectrom., 1980, 7, 115-121.
22. J.D. Henion and G.A. Maylin, "Qualitative and quantitative analysis of hydrochlorothiazide in equine plasma and urine by HPLC," J. Anal. Toxicology, 1980, 4, 185-191.
23. T.D. Wilkins, M. Lederman, R.L. Van Tarsell, D.G.I Kingston, and J.D. Henion, Am. J. Clin. Nutri., 1980, 33, 2513-2520.
24. J.D. Henion, "Direct injection LC/MS/COM of total HPLC eluents applied to drugs and metabolism studies," Adv. Mass Spectrom., 1980, 9, 1241-1249.
25. J.D. Henion, "Continuous monitoring of total micro HPLC eluent by direct liquid introduction LC/MS," J. Chromatogr. Sci., 1981, 19, 57-64.

26. E.A. Dewey, G.A. Maylin, J.G. Ebel, and J.D. Henion, "The metabolism of promazine and acetylpromazine in the horse," Drug Metabolism and Disposition, 1980, 9, 30-36.
27. J.S. Nosanchuyk, B.M. Bilder and J.D. Henion, "Scrombroid fish poisoning in upstate New York," J. New York Med., 1982, 82, 202-203.
28. J.D. Henion, J.S. Nosanchuk, and B.M. Bilder, "Capillary GC/MS determination of histamine in tuna fish causing Scrombroid poisoning," J. Chromatogr. 1981, 213, 475-480
29. J.D. Henion and T. Wachs, "Micro LC/MS diaphragm probe interface," Anal. Chem., 1981, 52, 1963-1965.
30. D.H. Lein, G.A. Maylin, R.B. Hillman, W.C. Rebhun, J.D. Henion, and J.G. Ebel, "Chlorpyrifos (Dursban 44) toxicity in dairy bulls," Cornell Vet., 1982, Suppl. 9, 1-58.
31. J.D. Henion, B.A. Thomson, and P.H. Dawson, "Determination of sulfa drugs in biological fluids by LC/MS/MS," Anal. Chem., 1982, 54, 451-456.
32. C.E. Parker, R.D. Voyksner, Y. Tondeur, J.D. Henion, D.J. Harvan, J.R. Hass and J. Yinon, "Analysis of explosives by liquid chromatography-negative ion chemical ionization mass spectrometry," J. Forensic Sci., 1982, 27, 495-505.
33. C.Eckers, D.S. Skrabalak and J.D. Henion, "On-line direct liquid introduction interface for micro LC/MS: Application to drug analysis," Clin. Chem., 1982, 28, 1882-1886
34. C. Eckers, K. Cuddy, and J.D. Henion, "Practical microbore column HPLC: system development and drug applications," J. Liq. Chromatogr., 1983, 6(13), 2283-2309.
35. D.S. Skrabalak and J.D. Henion, "A capillary sealer for micro-cell NMR," Anal. Chem., 1983, 55, 1184-1186.
36. J.D. Henion, G.A. Maylin, and B.A. Thomson, "The determination of drugs in biological samples by TLC/MS/MS," J. Chromatogr., 1983, 271, 107-124.
37. C. Eckers, J.D. Henion, G.A. Maylin, D.S. Skrabalak, J. Vessman, A.M. Tivert, and J.D. Greenfield, "Micro LC/MS applications: steroids, antibiotics, and other biologically active compounds," Int. J. Mass Spectrom., and Ion Phys., 1983, 46, 205-208.
38. F.P. Sugnaux, D.S. Skrabalak and J.D. Henion, "Direct liquid introduction micro-LC/MS coupling: Optimization of droplet desolvation and instrumental parameters for high sensitivity," J. Chromatogr., 1983, 264, 357-376.
39. J.D. Henion, D.S. Skrabalak, E.A. Dewey and G.A. Maylin, "Micro-LC/MS in drug analysis and metabolism studies," J. Drug Metab. Rev., 1983, 14(5) 961-1003.
40. T.R. Covey and J.D. Henion, "A new direct liquid introduction/thermospray LC/MS interface," Anal. Chem., 1983, 55, 2275-2280.
41. T.R. Covey and J.D. Henion, "High performance liquid chromatography in veterinary toxicology," J. Liq. Chromatogr., 1984, 7, Suppl 7, 205-313.
42. D.S. Skrabalak, T.R. Covey, and J.D. Henion, "Quantitative detection of corticosteroids in equine biological fluids and the comparison of relative dexamethasone metabolite/dexamethasone concentration in equine urine by micro LC/MS," J. Chromatogr., 1984, 315, 359-372.
43. T.R. Covey, G.A. Maylin, and J.D. Henion, "Quantitative SIM GC/MS of diethylstilbestrol in bovine liver," Biomed. Mass Spectrom., 1985, 12, 274-287.
44. J.B Crowther and J.D. Henion, "Supercritical fluid chromatography of polar drugs using small particle packed columns and mass spectrometry detection," Anal. Chem., 1985, 57, 2711.-2716
45. J.B. Crowther, T.R. Covey, D.R. Silvestre and J.D. Henion, "Direct liquid introduction LC/MS: Four different approaches," LC Mag., 1985, 3, 240-254.

46. E.D. Lee and J. D. Henion, "Micro-LC/MS with direct liquid introduction," J. Chromatogr. Sci., 1985, 23, 253-264.
47. E.D. Lee and J.D. Henion, "Open tubular column supercritical fluid chromatography/mass spectrometry on a benchtop mass spectrometer," J. HRC&CC, 1986, 9, 172-174.
48. T.R. Covey and J.D. Henion, "Heated nebulizer APCI LC/MS/MS for rapid, high sample throughput analyses," Adv. Mass Spectrom., 1986, 10, 603-604.
49. J.D. Henion and T.R. Covey, "LC/MS/MS for rapid screening and identification of drugs in biological samples," Adv. Mass Spectrom., 1986, 10, 629-630.
50. E.D. Lee, J.D. Henion, C.A. Brunner, I.W. Wainer, T.D. Doyle, and J. Gal., "High-Performance Liquid Chromatographic Chiral Stationary Phase Separation with Filament-On Thermospray Mass Spectrometric Identification of the Enantiomer Contaminant (S)-(+)-Methamphetamine", Anal. Chem., 1986, 58, 1349-1352
51. T.R. Covey, E.D. Lee, and J.D. Henion, "High-speed LC/MS/MS for the determination of drugs in biological samples," Anal. Chem., 1986, 58, 2453-2460
52. T.R. Covey, E.D. Lee, A.P. Bruins, and J.D. Henion, "Liquid Chromatography/Mass Spectrometry," Anal. Chem., 1986, 1451A-1461A.
53. E.D. Lee, J. Kinsinger, C. Cody, and J.D. Henion, "Supercritical fluid chromatography/Fourier transform mass spectroscopy," Anal. Chem., 1987, 59, 1309-1312.
54. A.P. Bruins, T.R. Covey and J.D. Henion, "Ion spray interface for combined liquid chromatography atmospheric pressure ionization mass spectrometry," Anal. Chem., 1987, 59, 2642-2646.
55. A.P. Bruins, L.O.G. Weidolf, and J.D. Henion, "Determination of sulfonated azo dyes by liquid chromatography atmospheric pressure ionization mass spectrometry," Anal. Chem., 1987, 59, 2647-2652.
56. L.O.G. Weidolf and J.D. Henion, "Liquid-solid extraction conditions predicted by liquid chromatography for selective isolation of sulfoconjugated steroids from equine urine," Anal. Chem., 1987, 59, 1980-1984.
57. L.O.G. Weidolf, E.D. Lee and J.D. Henion, "Determination of boldenone sulfoconjugate and related steroid sulfates in equine urine by HPLC/tandem mass spectrometry," Biomed. and Environ. Mass Spectrom., 1988, 15, 283-289.
58. D.W. Later, D.J. Bornhop, E.D. Lee, J.D. Henion, and R.C Weiboldt, "Detection techniques for capillary supercritical fluid chromatography," LC-GC Mag, 1987, 5, 804-816.
59. D. Ross, J. Henion, J.G. Babish, and J.H. Hotchkiss, "Nirosating agents from the reaction between methyl oleate and dinitrogen trioxide: Identification and mutagenicity," Food Chem., 1987, 23, 207-222.
60. S.H. Hsu, T.R. Covey, and J.D. Henion, "Determination of trenbolone in bovine liver and muscle by HPLC and LC/MS/MS," J. Liq. Chromatogr., 1987, 10, 3033-3045.
61. T.R. Covey, D.R. Silvestre, M.K. Hoffman, and J.D. Henion, "A GC/MS screening, confirmation and quantitation method for anabolic estrogens," Biomed and Environ. Mass Spectrom., 1988, 15, 45-56.
62. G.A. Maylin, E.A. Dewey, and J.D. Henion, "GC/FT-IR for the determination of drugs in equine urine," LC-GC Mag., 1987, 5(10), 904-914.
63. T.R. Covey, A.P. Bruins, and J.D. Henion, "Comparison of thermospray and ion spray mass spectrometry in an atmospheric pressure ion source," Org. Mass Spectrom., 1988, 23, 178-186.

64. E.D. Lee, S.H. Hsu, and J. D. Henion, "Electron ionization-like mass spectra by capillary supercritical fluid chromatography/charge exchange mass spectrometry," Anal. Chem., 1988, 60, 1990-1994.
65. L.O.G. Weidolf, T.M.P. Chichila, and J.D. Henion, "Screening, confirmation and quantification of boldenone sulfate in equine urine after administration of boldenone undecylenate (Equipose)," J. Chromatogr., 1988, 433, 9-21.
66. P.O. Edlund, E.D. Lee, W.L. Budde and J.D. Henion, "The determination of azo dyes in municipal waste water by ion spray LC/MS/MS," Biomed and Environ. Mass Spectrom., 1989, 18, 233-240.
67. T.M.P. Chichila, D. Silvestre, T.R. Covey, and J.D. Henion, "Distribution of zeranol in bovine tissues determined by selected ion monitoring capillary GC/MS," J. Anal. Tox., 1988, 12, 310-318.
68. S.H. Hsu, R.E. Eckerlin, and J.D. Henion, "Identification and quantification of trenbolone in bovine tissue by GC/MS," J. Chromatogr., 1988, 424, 219-229.
69. T.M.P. Chichila, P.O. Edlund, and J.D. Henion, "Determination of melengestrol acetate in bovine Tissues by automated coupled-column normal phase HPLC," J. Chromatogr., 1989, 488, 389-406.
70. E.D. Lee, W. Muck, T.R. Covey and J.D. Henion, "On-line capillary zone electrophoresis-ion spray tandem mass spectrometry for the determination of dynorphins," J. Chromatogr., 1988, 458, 313-321.
71. T.R. Covey, R.F. Bonner, B.I. Shushan, and J.D. Henion, "The determination of protein, oligonucleotide, and peptide molecular weights by ion spray mass spectrometry," Rapid Comm. Mass Spectrom., 1988, 2, 249-256.
72. P.O. Edlund, L. Bowers, T.R. Covey, and J.D. Henion, "Rapid determination of dianabol in equine and human urine by isotope dilution LC/MS/MS," J. Chromatogr., 1989, 497, 49-57.
73. P.O. Edlund, L. Bowers, and J.D. Henion, "Determination of methandrostenolone and its metabolites in equine plasma and urine by coupled-column liquid chromatography with UV detection and confirmation by tandem mass spectrometry," J. Chromatogr., 1989, 487.
74. E.D. Lee, W. Muck, T.R. Covey, and J.D. Henion, "Capillary zone electrophoresis/tandem mass spectrometry for the determination of sulfonated azo dyes," Biomed and Environ. Mass Spectrom., 1989, 18, 253-257.
75. R.E. Eckerlin, J.G. Ebel, Jr., T.R. Covey, and J.D. Henion, "The case of the tainted dexamethasone," Anal. Chem., 1989, 61, 53A-59A.
76. E.D. Lee, W. Muck, T.R. Covey, and J.D. Henion, "Liquid junction coupling for capillary zone electrophoresis/Ion spray mass spectrometry," Biomed and Environ. Mass Spectrom., 1989, 18, 844-850.
77. E.D. Lee, T.R. Covey, and J.D. Henion, "Microbore high performance liquid chromatography-ion spray mass spectrometry for the determination of peptides," J. Microcol. Sep., 1989, 1, 14-18.
78. E.D. Lee, W. Muck, T.R. Covey, and J.D. Henion, "Real time monitoring by continuous introduction ion spray tandem mass spectrometry," J. Am. Chem. Soc., 1989, 111, 4600-4604.
79. P.O. Edlund and J.D. Henion, "Packed-column supercritical fluid chromatography/mass spectrometry via a two-stage momentum separator," J. Chromatogr. Sci., 1989, 27, 274-282.
80. A. Treston, P.G. Kasprzyk, T.R. Covey, E.D. Lee, J.D. Henion, A. Yergey, F. Cuttitta, and J.L. Mulshine, "Mass spectrometric identification and sequencing of novel neuropeptides,"

- bombesin-like peptides in health and disease, Anal. of the New York Acad. of Sci., 1988, 547, 438-440.
81. W. Muck and J.D. Henion, "Determination of leucine enkephalin and methionine enkephalin in equine cerebrospinal fluid by microbore high-performance liquid chromatography and capillary zone electrophoresis coupled to tandem mass spectrometry," J. Chromatogr., 1989, 495, 41-59.
 82. W. Muck and J. D. Henion, "High-performance liquid chromatography/tandem mass spectrometry: Its use for the identification of stanzolol and its major metabolites in human and equine urine," Biomed. and Environ. Mass Spectrom., 1990, 19, 37-51.
 83. L. G. McLaughlin and J.D. Henion, "Determination of dexamethasone in bovine tissues by coupled-column normal-phase HPLC and capillary GC/MS," J. Chromatogr., 1990, 529, 1-19.
 84. J.J. Conboy, M.W. Martin, J.A. Zweigenbaum, and J.D. Henion, "Ion chromatography/atmospheric pressure ionization mass spectrometry for the determination of organic ammonium and sulfate compounds," Anal. Chem., 1990, 62, 800-807.
 85. E. C. Huang and J.D. Henion, "LC/MS and LC/MS/MS determination of protein tryptic digests," J. Am Soc. Mass Spectrom., 1990, 1, 158-165.
 86. E. C. Huang, J.J. Conboy, T. Wachs, and J.D. Henion, "Atmospheric pressure ionization mass spectrometry: detection for the separation sciences," Anal. Chem., 1990, 62, 713A-725A.
 87. E. Huang and J.D. Henion, "Packed-Column SFC/MS and SFC/MS/MS with ionization at atmospheric Pressure," J. Chromatogr., 1990, 551, 257-270.
 88. E.C. Huang and J.D. Henion, "Characterization of cyclodextrins using ion evaporation atmospheric pressure ionization tandem mass spectrometry," Rapid Comm. Mass Spectrom., 1990, 11, 467-471.
 89. E. C. Huang and J.D. Henion, "Packed-capillary liquid chromatography/atmospheric pressure ionization tandem mass spectrometry determination of biomolecules," Anal. Chem., 1991, 63, 732-739.
 90. T.R. Covey, E.C. Huang, and J.D. Henion, "Structural characterization of protein tryptic peptides via LC/MS and collision-induced dissociation of their doubly charged molecular ions," Anal. Chem., 1990, 63, 1193-1200.
 91. S.A. McLuckey, G.J. Van Berkel, G.L. Glish, E.C. Huang, and J.D. Henion, "Ion spray liquid chromatography/ion trap mass spectrometry determination of biomolecules," Anal. Chem., 1990, 63, 375-383.
 92. M. Johansson, E.C. Huang, and J.D. Henion, "Capillary electrophoresis-atmospheric pressure ionization mass spectrometry for the characterization of peptides: instrumental considerations for mass spectrometric detection," J. Chromatogr., 1991, 545, 311-327.
 93. T. Wachs, J. C. Conboy, F. Garcia, and J. D. Henion, "Atmospheric pressure ionization mass spectrometry as a detector for the separation sciences," J. Chromatogr. Sci., 1991, 29, 357-366.
 94. R. Huoahpalhti, E.C. Huang, and J.D. Henion, "Capillary SFC/MS with atmospheric pressure ionization," Anal. Chem., 1990, Manuscript in preparation.
 95. M. Johansson and J.D. Henion, "Determination of benzodiazepines and other small-drug molecules by combined capillary electrophoresis/mass spectrometry," J. Chromatogr., 1991, 559, 515-528.
 96. J. Zweigenbaum, W. Nichols, M. Johansson, F. Garcia, and J.D. Henion, "A comparison of ion spray and continuous flow fast atom bombardment mass spectrometry coupled with capillary electrophoresis," LC-GC 1992, 10, 676-687.

97. K.L. Duffin, T. Wachs, and J.D. Henion, "Construction of an atmospheric sampling ion source for a benchtop mass spectrometer: applications of on-line LC/MS," Anal. Chem., 1992, 64, 61-68.
98. K.L. Duffin, J.J. Shieh, and J.D. Henion, "Electrospray and tandem mass spectrometric characterization of acylglycerol mixtures that are dissolved in nonpolar solvents," Anal. Chem., 1991, 63, 1781-1788.
99. B. Ganem, Y.T. Li, and J.D. Henion, "Detection of noncovalent receptor-ligand complexes by mass spectrometry", J. Am. Chem. Soc., 1991, 113, 6294-6296.
100. B. Ganem, Y.T. Li, and J.D. Henion, "Observation of noncovalent enzyme-substrate and enzyme-product complexes by ion spray mass spectrometry", J. Am. Chem. Soc., 1991, 113, 7818-7819.
101. L.G. McLaughlin and J.D. Henion, "Determination of aminoglycoside antibiotics by reversed-phase ion-pairing HPLC coupled with pulsed amperometry and ion spray mass spectrometry", J. Chromatogr., 1992, 591, 195-206.
102. K.L. Duffin and J.D. Henion, "Characterization of oligosaccharides by ion spray mass spectrometry," 1991, Anal. Chem., 1992, 64, 1440-1448.
103. A. Mordehai and J. D. Henion, "Theory of coupling axial and radial ion motion in an ion cyclotron resonance cell during off-resonance excitation" Rapid Comm. Mass Spectrom., 5, 1992, 345-348.
104. F. Garcia and J. D. Henion, "Gel-filled capillary electrophoresis/Mass Spectrometry using a liquid-junction ion spray interface," Anal. Chem., 64, 1991, 985-990.
105. V. Mordehai, G. Hopfgartner, T.G. Huggins, and J.D. Henion, "Atmospheric Pressure Ionization Interface for a Benchtop Quadrupole Ion Trap", Rapid Commun. Mass Spectrom., 1992, 6, 508-516.
106. Conboy and J.D. Henion, "High-Performance Anion-exchange Chromatography Coupled with Mass Spectrometry for the Determination of Carbohydrates", Biol. Mass Spectrom., 1992, 21, 397-407.
107. G. Hopfgartner, T. Wachs, K. Bean, and J.D. Henion, "High-Flow Ion Spray Liquid Chromatography/Mass Spectrometry", Anal. Chem., 1993, 65, 439-446.
108. E.D. Lee and J.D. Henion, "Thermally-Assisted Electrospray Interface for Liquid Chromatography/Mass Spectrometry", Rapid Comm. Mass Spectrom., 1992, 6, 727-733.
109. G. Rule and J. D. Henion, "Determination of Drugs from Urine by On-Line Immunoaffinity Chromatography/HPLC/Mass Spectrometry", J. Chromatogr., 1992, 582, 103-112.
110. F. Garcia and Jack Henion, "Fast Capillary Electrophoresis-Ion Spray Mass Spectrometric Determination of Sulfonylureas", J. Chromatogr., 1992, 237-247.
111. T.G. Huggins and J.D. Henion, "Capillary Electrophoresis/Mass Spectrometry Determination of Inorganic Ions Using an Ion Spray Sheath Flow Interface", Electrophoresis, 1993, 14, 531-539.
112. G. Hopfgartner, Claude Piquet, Jack Henion, and Alan Williams, "Application of electrospray mass spectrometry for characterizing supramolecular coordination complexes", Angewandte Chemie, 1993, 76, 1759-1766.
113. Yu-Tsyr. Li, Yin-Liang Hsieh, Jack Henion, and Bruce Ganem, "Mass spectrometric studies on noncovalent dimers of leucine zipper peptides", J. Am. Chem. Soc., 1993, 115 (8) 8409-8415.
114. Yu-Tsyr. Li, Yin-Liang Hsieh, Jack Henion, and Bruce Ganem, "Studies on heme binding in myoglobin, hemoglobin, and cytochrome C by ion spray mass spectrometry", J. Am. Soc. Mass Spectrom., 1993, 4, 631-637.

115. Bruce Ganem, Yu-Tsyr. Li, Yin-Liang Hsieh, and Jack Henion, "Detection of oligonucleotide duplex forms by ion spray mass spectrometry", Tet. Lett., 1993, 34, 1445-1448.
116. Gerard Hopfgartner, Karen Bean, Richard Henry, and Jack Henion, "Ion spray mass spectrometry detection for liquid chromatography: a concentration or a mass-flow device? J. Chromatogr., 1993, 647, 51-61.
117. Bruce Ganem and Jack Henion, "Detecting noncovalent complexes of biological macromolecules: new applications of ion spray mass spectrometry", Chemtracts, 1993, 6, 1-22.
118. Yu-Tsyr. Li, Yin-Liang Hsieh, Jack Henion, and Bruce Ganem, "Mass spectrometric investigations of drug-receptor interactions", Therap. Drug Monit., 1993, 15, (6), 563-569.
119. Jack Henion, Tim Wachs, and Alex Mordehai, "Recent developments in electrospray mass spectrometry including implementation on an ion trap", J. Pharm. and Biomed. Anal., 1993, 11, 1049-1061.
120. Geoffrey Rule, Lee McLaughlin, and Jack Henion, "A quest for oleandrin in decayed human tissue", Anal. Chem., 1993, 65, 857A-863A. (featured as cover article)
121. Geoffrey Rule Alexander Mordehai, and Jack Henion, "Determination of carbofuran by on-line immunoaffinity chromatography with coupled-column liquid chromatography/mass spectrometry", Anal. Chem., 1994, 66, 230-235.
122. Bruce Ganem, Yu-Tsyr LI, Yin-Liang Hsieh, Jack Henion, Barbara F. Kaboord, Michelle W. Frey, and Stephen J. Benkovic, "Analysis of the Stoichiometry of the T4 Gene 45 protein by ion spray mass spectrometry", J. Am. Chem. Soc., 1994, 116, 1352-1358.
123. Alex Mordehai and Jack Henion, "Computer-designed waveform technique for reducing chemical noise in atmospheric pressure ionization/ion trap mass spectrometry", Rapid Comm. Mass Spectrom., 1993, 7, 1131-1135.
124. Lee McLaughlin, and Jack Henion. The determination of aminoglycosides in bovine tissues by combined liquid chromatography-tandem mass spectrometry", Biol. Mass Spectrom., 1994, 23, 417-429.
125. Yin Liang Hsieh, Yu-Tsyr Li, Bruce Ganem, and Jack Henion, "Studies of noncovalent interactions of actomycin D with single-stranded oligodeoxynucleotides by ion spray mass spectrometry and tandem mass spectrometry", Biol. Mass Spectrom., 1994. 23, 272-276.
126. Jack Henion, Alex Mordehai, and Jianyi Cai, "Capillary electrophoresis -ion trap mass spectrometry for the determination of isoquinoline alkaloids", Anal. Chem., 1994, 66, 2103-2109.
127. Frank Y. L. Hsieh, Jianyi Cai, Bruce Ganem, and Jack Henion, "Determination of trace impurities of peptides and alkaloids by capillary electrophoresis-ion spray mass spectrometry", J. Chromatogr., 1994, 679, 206-211.
128. H.K. Lim, Frank Y.L. Hsieh, B. Ganem, and Jack Henion, "Recognition of Cell Wall Peptide Ligands by Vancomycin Group Antibiotics: Studies using Ion Spray mass spectrometry", J. Mass Spectrom., 1995, 30, 708-714.
129. Frank Y.L. Hsieh, Jianyi Cai, Lily Y.T. Li, Bruce Ganem, and Jack Henion, "Detection of noncovalent FKBP-FK506 and FKBP-Rapamycin complexes by capillary electrophoresis-mass spectrometry and capillary electrophoresis-tandem mass spectrometry", J. Am. Soc. Mass Spectrom., 1995, 6, 85-90.
130. Yu-Tsyr Li, Yin-Liang Hsieh, Timothy D. Ocain, Guy A. Schiehser, Bruce Ganem, and Jack Henion, "Analysis of the energetics of gas-phase immunophilin-ligand complexes by ion spray mass spectrometry", J. Am. Chem. Soc., 1994, 116, 7487-7493.

131. Gerard Hopfgartner, Claude Piquet, and Jack Henion, "Ion spray tandem mass spectrometry of supramolecular coordination complexes", J. Am. Soc. Mass Spectrom., 1994, 748-755.
132. Yin-Liang Hsieh, Lily Y.T. Li, Xinchun Tong, Bruce Ganem, and Jack Henion, "Kinetic monitoring of enzymatic reactions in real-time by quantitative high performance liquid chromatography-mass spectrometry", Anal. Biochem., 1995, 229, 20-25.
133. Jianyi Cai and Jack Henion, "Capillary Electrophoresis-Mass spectrometry", J. Chromatography A, 1995, 703, 667-692.
134. Xinchun Tong, Bruce Ganem, Jack Henion, "Studies on the distribution of oligodeoxynucleotide charge states in the gas phase by ion spray mass spectrometry", J. Mass Spectrom., 1995, 30, 867-871.
135. Robin Sheppard, Xinchun Tong, Jianyi Cai, and Jack Henion, "Chiral separation and detection of terbutaline and ephedrine by capillary electrophoresis coupled with ion spray mass spectrometry", Anal. Chem., 1995, 34, 2054-2058.
136. A. Mordehai, H.K. Lim, and J. D. Henion, "Ion spray liquid chromatography/mass spectrometry and capillary electrophoresis/mass spectrometry on a modified benchtop ion trap mass spectrometer", Practical Aspects of Ion Trap Mass Spectrometry, Volume III, Chemical, Environmental, and Biomedical Applications, Edited by Raymond E. March and John F.J. Todd, CRC Press, Boca Raton, New York, London, and Tokyo. 1995.
137. R.P. Huopalahti and J.D. Henion, "Application of supercritical fluid extraction and LC/MS for the determination of some anabolic agents directly from bovine tissue samples", J. Liq. Chromatogr., 1996, 19 (1), 69-87.
138. T. Wachs, R. L. Sheppard, and J. D. Henion, "Design and applications of a self-aligning liquid junction-electrospray interface for capillary electrophoresis-mass spectrometry", J. Chromatogr. B, 1996, 335-342.
139. J. Cai and J. Henion, "On-line immunoaffinity extraction-coupled column capillary liquid chromatography/tandem mass spectrometry: Trace analysis of LSD analogs and metabolites in human urine", Anal. Chem., 1996, 68, 72-78.
140. J. Cai and J. Henion, "Elucidation of LSD *in vitro* metabolism by liquid chromatography and capillary electrophoresis coupled with tandem mass spectrometry", Anal. Tox., 1996, 20, 27-37.
141. B. Aebi and J. D. Henion, "The reduction of chemical noise on an ion spray-ion trap API interface for mass spectrometry", Rapid Commun. Mass Spectrom., 1996, 10, 947-951.
142. R.P. Huopalahti, J. Ebel, Jr., and J.D. Henion, "Supercritical fluid extraction of mycotoxins from feeds with analysis by LC/UV and LC/MS". J. Liq. Chromatogr. & Rel. Technol., 1997, 20(4), 537-551.
143. J. Cai and J. Henion, "Quantitative multi-residue determination of beta-agonists in bovine urine using on-line immunoaffinity extraction-coupled column packed-capillary liquid chromatography/tandem mass spectrometry", J. Chromatogr. B, 1997, 691, 357-370.
144. K. A. Bean and J. Henion, "Determination of carbendazim in soil and lake water by immunoaffinity extraction-coupled-column HPLC and tandem mass spectrometry", J. Chromatogr. A, 1997, 791, 119-126.
145. K. A. Bean and J. Henion, "Direct determination of anabolic steroid conjugates in human urine by combined HPLC-tandem mass spectrometry", J. Chromatogr., 1996, 690 (1-2), 65-75.
146. M.L. Nedved, S.H.-Goudarzi, B. Ganem, and J. D. Henion, "Characterization of benzodiazepine combinatorial chemical libraries by on-line immuno-affinity extraction, coupled-column HPLC-ion spray tandem mass spectrometry", Anal. Chem., 1996, 68, 4228-4236.

147. Li, L.Y.T., Campbell, D.A., Bennett, P.K. and Henion, J.D. Acceptance criteria for ultratrace HPLC-tandem mass spectrometry: quantitative and qualitative determination of sulfonylurea herbicides in soil. Anal. Chem., 1996, 68(19) 3397-3404.
148. Anderson, M.A., Wachs, T. and Henion, J.D. Quantitative ion spray LC/MS/MS determination of reserpine in equine plasma, J. Mass Spectrom., 1996, 32, 152-158.
149. Y. Wu, L.Y-T. LI, and J. Henion, "Determination of LTE4 in Human Urine by Liquid Chromatography Coupled with Ionspray Tandem Mass Spectrometry", J. Mass Spectrom., 1996, 31, 987-993.
150. Y. Wu, J. Zhao, J. Henion, W. Korfmacher, A.P. Lapiquera, and C-C Lin, "Microsample Determination of Lovastatin and its Hydroxy Acid Metabolite in Mouse and Rat Plasma by LC/MS/MS", J. Mass Spectrom., 1997, 379-387.
151. R. Baldwin et al., "1996 ASMS Fall Workshop: Limits to Confirmation, Quantitation, and Detection", J. Am. Soc. Mass Spectrom., 1997, 8, 1180-1190.
152. R.L. Sheppard and J. Henion, Determination of ethylenediaminetetraacetic acid as the nickel chelate in environmental water by solid-phase extraction and capillary electrophoresis/tandem mass spectrometry, Electrophoresis, 1997, 18 (2), 287-291.
153. R.L. Sheppard and J. D. Henion, Determining EDTA in Blood, Anal. Chem., 1997, 69(15), 477A-480A.
154. R.L. Sheppard and J.D. Henion, Quantitative capillary electrophoresis-ion spray tandem mass spectrometry determination of EDTA in human plasma and urine, Anal. Chem., 1997, 69(15), 2901-2907.
155. R. Wieboldt, J. Zweigenbaum, and J. D. Henion, Immunoaffinity ultrafiltration with ion spray LC/MS for screening small molecule libraries, Anal. Chem., 1997, 69, 1683-1691.
156. R. Wieboldt, J. Zweigenbaum, and J. D. Henion, Affinity techniques combined with mass spectrometry, Mass Spectrometry of Biological Materials, B. Larsen and C. McEwen, Ed. Marcel Dekker, Inc., New York, 1998, Chapter 4, pp. 81-98.
157. Li, L.Y.T., Bennett, P.K., and Henion, J.D. Quantitative Determination of Orlistat (Tetrahydrolipostatin, Ro 18-0647) in Human Plasma by High-Performance Liquid Chromatography Coupled with Ion Spray Tandem Mass Spectrometry, J. Mass Spectrom., 1997, 32, 739-749.
158. G. Bach and J. Henion, Quantitative capillary electrophoresis-ion trap mass spectrometry determination of methylphenidate in human urine, J. Chromatogr., 1998, 707, 275-285.
159. R. Wieboldt, D. Campbell, and J. Henion, Quantitative LC-MS-MS determination of Orlistat in plasma with a quadrupole ion trap, J. Chromatogr. B., 1998, 708, 121-129.
160. E. Brewer and J. Henion, Recent developments in LC/MS/MS techniques and applications, J. Pharm. Sci., 1998, 87, 395-402.
161. J. Henion, E. Brewer, and G. Rule, Sample preparation for LC/MS analysis of biological and environmental samples, Anal. Chem., 1998, 70(19), 650A-656A.
162. S. Steinborner and Jack Henion, "Liquid-Liquid Extraction in the 96-well Plate Format with SRM LC/MS Quantitative Determination of Methotrexate and its Major Metabolite in Human Plasma", Anal. Chem., 1999, 71, 2340-2345.
163. J. Zweigenbaum, K. Heinig, S. Steinborner, T. Wachs, and J. Henion, "High Throughput LC/MS/MS Determination of Benzodiazepines in Human Urine-1000 sample per 12 Hours", Anal. Chem., 1999, 71, 2294-2300.

164. N. N. Kandlousy, J. Zweigenbaum, J. Henion, and A. Eliseev, "Synthesis and Characterization of a Mixture-Based Library of Oxime Ethers on a Common Aromatic Scaffold", J. Combinatorial Chem., 1999, 1, 199-206.
165. J. Henion, G. Schultz, and D. Mulvana, "Integrating atmospheric pressure ionization LC/M techniques into the pharmaceutical industry", Am. Pharm. Rev., 1999, 2, 42-52.
166. J. Henion, E. Brewer, and G. Rule, "LC/MS Sample Preparation," Today's Chemist, 8, 36-42.
167. K. Heinig and J. Henion, "Fast LC/MS Determination of Pharmaceutical Compounds", J. Chromatog. B, 1999, 732, 445-458.
168. G. Rule and J. Henion, "High-Throughput Sample Preparation and Analysis Using 96-Well Membrane SPE and LC/MS/MS", J. Am Soc. Mass Spectrom., 1999, 10, 1322-1327.
169. K. Henig and Jack Henion, "Determination of carnitine and acycarnitines in biological samples by capillary electrophoresis/mass spectrometry", J. Chromatogr. B., 1999, 735, 171-188.
170. H. Zhang and J. Henion, "Quantitative and qualitative determination of estrogen sulfates in human urine by LC/MS/MS using 96-well technology", Anal. Chem., 1999, 71, 3955-3964
171. J. Zweigenbaum and J. Henion, "Bioanalytical high-throughput SRM-LC/MS determination of selected estrogen receptor modulators in human plasma: 2000 samples per day", Anal. Chem., 2000, 72, 2446-2454.
172. H. Zhang, K. Heinig, and J. Henion, "Atmospheric pressure ionization time-of-flight mass spectrometry coupled with fast liquid chromatography for quantitation and accurate mass measurement of five pharmaceutical drugs in human plasma", J. Mass Spectrom., 35(3), 2000, 423-421.
173. H. Zhang, J. Henion, Y. Yang, and N. Spooner, "Application of API time-of-flight mass spectrometry coupled with liquid chromatography in an *in vitro* drug metabolism study", Anal. Chem., 2000, 72.
174. J. Ke, X. Zhang, M. Yancey, and J. Henion, "Trace determination of reserpine in mouse plasma using EDTA as a protein denaturation agent", J. Chromatogr., 2000.
175. J. Henion, S.J. Prosser, T.N. Corso, and G.A. Schultz, "Sample preparation and analysis strategies for high-throughput LC/MS/MS analysis of biological samples", Am. Pharm. Rev., 2, 2000, 19-29.
176. J.A. Zweigenbaum, J. D. Henion, K.A. Beattie, G.A. Codd, and G.K. Poon, "Direct analysis of microcystins by microbore liquid chromatography electrospray ion-trap tandem mass spectrometry", J. Pharm. And Biomed Anal., 2000, 23, 723-733.
177. Y. Deng, J. Henion, J. Li., P. Thibault, D.J. Harrison, and C. Wang, "Chip-based capillary electrophoresis/mass spectrometry determination of carnitines in human urine", Anal. Chem., 2001, 73, 639-646.
178. Y. Deng, H. Zhang, and J. Henion, "Chip-based capillary electrophoresis/mass spectrometry determination of drugs in human plasma", Anal. Chem., 2001, 73 (7), 1432-1439.
179. T. Wachs and J. Henion, "Micro electrospray device for coupling chip-based separations to electrospray mass spectrometry", Anal. Chem., 2001, 73, 632-638.
180. J.M. Onorato, J. Henion, P.M. Lefebvre, and J.P. Kiplinger, "SRM-LCMS determination of idoxifene and its pyrrolidone metabolite in human plasma using robotic high-throughput sequential injection", Anal. Chem., 2000. 73, 119-125.
181. H. Zhang and J. Henion, "Comparison of SRM-LC/MS and LC-TOF/MS techniques for the quantitative determination of Idoxifene in clinical human plasma samples", J. Chromatogr. B. 757, 2001, 151-159.

182. G. Rule, M. Chapple, and J. D. Henion, "A 384-well SPE for LC/MS/MS determination of methotrexate and its 7-hydroxy metabolite in human urine and plasma", *Anal. Chem.*, 2001, 73, 439-443.
183. C.K. van Pelt, T.N. Corso, G.A. Schultz, S. Lowes, and J.D. Henion, "A four-column parallel chromatography system for isocratic or gradient LC/MS analyses", *Anal. Chem.*, 2001, 73, 582-588.
184. J. Kameoka, H.G. Craighead, H. Zhang, and J. Henion, "A polymeric microfluidic chip for CE/MS determination of small molecules", *Anal. Chem.*, 2001, 73, 1935-1941.
185. Joelle Onorato and Jack Henion, "An evaluation of triterpene glycoside estrogenic activity using LC/MS and immunoaffinity extraction", *Anal. Chem.*, 2001, 73, 4704-4710.
186. Jun Kameoka, Hongwei Zhang, Jack Henion, and Harold G. Craighead, "A polymeric microfluidic device for separation of small molecules", *Proceedings of the Soc. for Photo Instr. Eng. (SPIE), Microfluidics and BioMEMS*, 4560, 227-235, 2001
187. Scott Stenberg and Jack Henion, "Meeting the electronic records rules requirements in a contract laboratory", *Am. Lab.*, February, 2002. .
188. Xian Huang, Sheng Zhang, Gary A. Schultz, and Jack Henion, "Surface-alkylated polystyrene monolithic columns for peptide analysis in capillary liquid chromatography-electrospray ionization mass spectrometry," *Anal. Chem.*, 2002, 74 (10) 2336-2344.
189. Nicolas Barbarin, Douglas B. Mawhinney, Roderick Black, and Jack Henion, "High-throughput selected reaction monitoring liquid chromatography-mass spectrometry determination of methyl phenidate and its major metabolite, ritalinic acid, in rat plasma employing monolithic columns", *J. Chromatogr. B*, 2002, 783/1, 73-83
190. Nicolas Barbarin, Yunhui Yu, and Jack Henion, "Comparison between LC/UV and LC/MS for the characterization of impurities and/or degradants present in trimethoprim tablets", *J. Chromatogr. A*, 970, 2002, 141-154.
191. Changming Yang and Jack Henion, "Atmospheric pressure photoionization LC/MS determination of idoxifene and its metabolites in human plasma", *J. Chromatogr. A*, 970, 2002, 155-165.
192. Colleen K. Van Pelt, Sheng Zhang, and Jack Henion, "Characterization of a full automated nanoelectrospray mass spectrometric detection for proteomic analyses", *J. Biomol. Tech.*, 2002, 13, 72-84.
193. Colleen van Pelt, Sheng Zhang, and Jack Henion, "Characterization of a fully automated nanoelectrospray system with mass spectrometric detection for proteomic analyses", *J. Biomol. Tech.*, 2002, 13 (2) 72-84.
194. Timothy Wachs and Jack Henion, "A device for automated direct sampling and quantitation from Empore Extraction Cards by electrospray mass spectrometry", *Anal. Chem.*, 2003, 75, 1769-1775.
195. Joe Ebel, Timothy Wachs and Jack Henion, AOAC, "A rapid forensic SRM LC/MS determination of ionophore antibiotics found at toxic levels in animal feeds" . In press.
196. B. G. Ganem and Jack Henion, "Going gently into flight: analyzing noncovalent interactions by mass spectrometry", *Bioorganic & Medicinal Chemistry*, 11 (2003) 311-314.
197. A. Tan, S. Benetton, and Jack Henion, "Chip-based solid-phase extraction pretreatment for direct electrospray mass spectrometry analysis using an array of monolithic columns in a polymeric substrate", *Anal. Chem.*, 2003, 75, 5504-5511.

198. V. Borges, E. Yang, J. Dunn, J. Henion, "High-Throughput liquid chromatography-tandem mass spectrometry determination of bupropion and its metabolites in human, mouse, and rat plasma using a monolithic HPLC column", *J. Chromatogr. B.*, 2003, 2003, ????
199. S. Benetton, J. Kameoka, A. Tan, T. Wachs, H. Craighead, and J. Henion, "Chip-based P450 metabolism coupled to electrospray ionization mass spectrometry detection", *Anal. Chem.*, 2003, 75, 6430-6436.
200. Colleen K. Van Pelt, Sheng Zhang, James Kapron, Xian Huang, and Jack Henion, "Chip-Based Automated NanoElectrospray Mass Spectrometry", *Am. Lab.*, June, 2003, 14-21.
201. Colleen K. Van Pelt, Sheng Zhang, Eliza Fung, Inhou Chu, Tongtong Liu, Cheng Li, Walter A. Korfmacher, and Jack Henion, "A fully automated nanoelectrospray tandem, mass spectrometric method for analysis of Caco-2 samples," *Rapid Comm. Mass Spectrom.*, 2003, 17, 1573-1578.
202. Jean-Marie Dethy, Bradley L. Ackermann, Claude Delatour, Jack Henion, and Gary A. Schultz, "Demonstration of direct bioanalysis of drugs in plasma using nanoelectrospray infusion from a silicon chip coupled with tandem mass spectrometry", *Anal. Chem.*, 2003, 75, 805-811.
203. James Kapron, Ellen Pace, Colleen K. V Pelt, and Jack Henion, 'Quantitation of midazolam in human plasma by automated chip-based infusion nanoelectrospray tandem mass spectrometry,' *RCMS*, 2003, 17, 2019-2026.
204. J. Ebel, T. Wachs, and J.D. Henion, "Rapid SRM LC/MS Determination of Ionophore Antibiotics Found at Toxic Levels in Animal Feeds", *JAOAC*, 2004, 87, (1), 25-30.
205. Y. Yang, J. Kameoka, T. Wachs, J. D. Henion, and H.G. Craighead, "Quantitative mass spectrometric determination of methylphenidate concentration in urine using an electrospray ionization source integrated with a polymer chip", *Anal. Chem.*, 2004, 76, (9) 2568-2574.
206. V. Borges and Jack Henion, "Determination of pharmaceutical compounds in aqueous dimethylsulfoxide by electrospray ionization-mass spectrometry", *Rapid Commun. Mass Spectrom.*, 2005; 19: 415-423.
207. J.D. Henion, "Instrumentation and Applications of Micro-Chip Electrospray Devices", *The Encyclopedia of Mass Spectrometry*, Editors: Michael L. Gross & Richard M. Caprioli Vol. 8, Hyphenated Methods, Vol. Editor: Wilfried M.A. Niessen, , 2006, Elsevier, Ltd.