

Bibliography of ACE HPLC Published References

AP Code	Title	Authors	Journal	Year	Country	Phase	Dimensions
AP1000	A comparison of GC-ICP-MS and HPLC-ICP-MS for the analysis of organotin compounds	R. Wahlen	LC-GC Europe, 15 (10), 670-677 (2002)	2002	UK	C18	3um, 150 x 2.1
AP1001	The gastroprokinetic and antiemetic drug metoclopramide is a substrate and inhibitor of cytochrome P450 2D6	Z. Desta, G.M. Wu, A.M. Morocho, D.A. Flockhart	Drug Metabolism and Disposition, 30 (3), 336-343 (2002)	2002	US	CN	5um, 250 x 4.6
AP1002	A PCR-based test to assess the potential for microcystin occurrence in channel catfish production ponds	D. Nonneman, P.V. Zimba	J. Phycol., 38, 230-233 (2002)	2002	US	C18	
AP1003	Effect of soil moisture and sample depth on pesticide photolysis	M.P. Frank, P. Graebing, J.S. Chib	J. Agric. Food Chem., 50, 2607-2614 (2002)	2002	US	C18	5um, 250 x 4.6
AP1004	Comparison of different liquid chromatography conditions for the separation and analysis of organotin compounds in mussel and oyster tissue by liquid chromatography - inductively coupled plasma mass spectrometry	R. Wahlen, T. Catterick	J. Chrom. B, 783, 221-229 (2003)	2003	UK	C18	3um, 150 x 2.1
AP1005	The in vivo susceptibility of <i>Leishmania donovani</i> to sodium stibogluconate is drug specific and can be reversed by inhibiting glutathione biosynthesis	K.C. Carter, S. Sundar, C. Spickett, O.C. Pereira, A.B. Mullen	Antimicrobial agents and chemotherapy, 47 (5), 1529-1535 (2003)	2003	UK	C18	
AP1006	A non-peptide radioiodinated high affinity melanocortin-4 receptor ligand	F. Mutulis, S. Yahorava, I. Mutule, A. Yahorau, S. Kopanchuk, S. Veiksina, A.	J. Label. Comp. Radiopharm. 46, 1007-1017 (2003)	2003	Sweden	Phenyl	
AP1007	Solid phase synthesis of aminopropenones and aminopropenoates: Efficient and versatile synthons for combinatorial synthesis of heterocycles	J. Westman, R. Lundin	Synthesis, 7, 1025-1030 (2003)	2003	Sweden	AQ	
AP1008	Isocratic reversed-phase liquid chromatographic method for the simultaneous determination of (S)-methoprene, MGK264, piperonyl butoxide, sumithrin and permethrin in pesticide formulation	I-H. Wang, R. Moorma, J. Burleson	J. Chrom. A, 983, 145-152 (2003)	2003	US	C8	3um, 150 x 4.6
AP1009	Determination of dextropropoxyphene and nordextropropoxyphene in urine by liquid chromatography - electrospray ionization mass spectrometry	H. Lakso, A. Norstrom	J. Chrom. B. 794, 57-65 (2003)	2003	Sweden	AQ	3um, 150 x 2.1
AP1010	Quantitative determination of carisoprodol and its metabolites in equine urine and serum by liquid chromatography-tandem mass spectrometry	W. Skinner, D. McKemie, S. Stanley	Chromatographia Suppl. 59, S61-S67 (2004)	2004	US	C18	3um, 100 x 2.1
AP1011	Structural identification and characterisation of impurities in moxifloxacin	Y.R. Kumar, V.V.N.K.V.P. Raju, R.R. Kumar, S. Eswaraiah, K. Mukkanti, M.V. Suryanayana, M.S. Reddy	J. Pharm. and Biomed. Analysis, 34, 1125-1129 (2004)	2004	India	C18	5um, 250 x 4.0
AP1012	Differences in the pharmacokinetics of peroxisome proliferators-activated receptor agonists in genetically obese Zucker and Sprague-Dawley rats: Implications of decreased glucuronidation in obese Zucker rats	M. Kim, S. Wang, Z. Shen, C.J. Kochansky, J.R. Stauss, R.B. Franklin, S.H. Vincent	Drug Metabolism and Disposition, 32 (9), 909-914 (2004)	2004	US	Phenyl	5um, 100 x 2.1
AP1013	In vitro evaluation of the potential role of sulfite radical in morphine-associated histamine release	E.M. Gordon, C. Myers, J. Blumer	BMC Pharmacology, 4 (21) (2004)	2004	US	C18	5um, 150 x 4.6
AP1014	Poor correlation between stated and found concentrations of diphenylmethane-4,4'-disocyanate (4,4'-MDI) in petrolatum patch-test preparations	M. Frick, E. Zimerson, D. Karlsson, A. Marand, G. Skarping, M. Isaksson, M. Bruze	Contact Dermatitis, 51, 73-78 (2004)	2004	Sweden	C18	3um, 50 x 1.0
AP1015	Stereoselective analysis of carvedilol in human plasma using HPLC/MS/MS after chiral derivatization	E. Yang, S. Wang, J. Kratz, M.J. Cyronak	J. Pharm. and Biomed. Anal., 36, 609-615 (2004)	2004	US	C18	3um, 50 x 2.1
AP1016	Solid-phase extraction-electrospray ionization mass spectrometry for the quantification of folate in human plasma or serum	B.C. Nelson, C.M. Pfeiffer, S.A. Margolis, C.P. Nelson	Anal. Biochem., 325, 41-51 (2004)	2004	US	C18	5um, 150 x 4.6
AP1017	Photochemical decomposition of 15 polybrominated diphenyl ether congeners in methanol/water	J. Eriksson, N. Green, G. Marsh, A. Bergman	Environ. Sci. Technol., 38, 3119-3125 (2004)	2004	Sweden	C18	5um, 250 x 4.6
AP1018	Comparison of prediction methods for in vivo clearance of (S,S)-3-[3-(methylsulfonyl)phenyl]-1-propylpiperidine hydrochloride, a dopamine D2 receptor antagonist, in humans	S. Yamazaki, L.N. Toth, M.L. Black, J.N. Duncan	Drug Metabolism and Disposition, 32 (4), 398-404 (2004)	2004	US	Phenyl	5um, 50 x 2.1

AP1019	Determination of technical grade isocyanates used in the production of polyurethane plastics	A. Marand, J. Dahlin, D. Karlsson, G. Skarpong, M. Dalene	J. Environ. Monit. 6, 606-614 (2004)	2004	Sweden	C18	3um, 50 x 1.0
AP1020	Aqueous photolysis of niclosamide	P.W. Graebing, J.S. Chib, T.D. Hubert, W.H. Gingerich	J. Agric. Food Chem., 52, 870-878 (2004)	2004	US	C18	5um, 250 x 4.6
AP1021	Optimization and characterization of a sphingomyelin/cholesterol liposome formulation of vinorelbine with promising antitumour activity	S.C. Semple, R. Leone, J. Wang, E.C. Leng, S.K. Klimuk, M.L. Eisenhardt, Z. Yuan, K. Edwards, N. Maurer, M.J. Hope, P.R. Culis, Q. Ahkong	J. Pharm. Sci., 94 (5), 1024-1038 (2005)	2005	Canada	C8	3um, 100 x 4.6
AP1022	The chemical and pharmaceutical equivalence of sulphadoxine/pyrimethamine tablets sold on the Tanzanian market	Y. Hebron, J.N.A. Tettey, M. Pournamdari, D.G. Watson	J. Clin. Pharm. and Ther. 30, 575-581 (2005)	2005	UK	C18	5um, 150 x 4.6
AP1023	Hydrolysis of environmental contaminants as an experimental tool for indication of their persistency	S. Rahm, N. Green, J. Norrgran, A. Bergman	Environ. Sci. Technol., 39, 3128-3133 (2005)	2005	Sweden	C18	5um, 250 x 4.6
AP1024	Endothelial nitric oxide synthase dysfunction in diabetic mice: importance of tetrahydrobiopterin in eNOS dimerisation	S. Cai, J. Khoo, S. Mussa, N.J. Alp, K.M. Channon	Diabetologia, 48, 1933-1940 (2005)	2005	UK	C18	
AP1025	Compatibility and stability of dexamethasone sodium phosphate and ketamine hydrochloride subcutaneous infusions in polypropylene syringes	D.G. Watson, M. Lin, A. Morton, C. Cable, D.A. McArthur	J. Pain and Symptom Management 30 (1), 80-86 (2005)	2005	UK	C18	5um, 150 x 4.6
AP1026	Determination of bisphenol A in canned foods by immunoaffinity chromatography, HPLC and fluorescence detection	R. Braunrath, D. Podlipna, S. Padlesak, M. Cichna-Markl	J. Agric. Food Chem., 53, 8911-8917 (2005)	2005	Austria	C18	3um, 150 x 3.0
AP1027	Combination reactions of superoxide with 8-oxo-7,8-dihydroguanine radicals in DNA	R. Miasazek, Y. Uvaydov, C. Crean, N.E. Geacintov, V.	J. Biol. Chem., 280 (8), 6293-6300 (2005)	2005	US	C18	5um, 250 x 4.6
AP1028	Synthesis and evaluation of hydrolysable hyaluronan-tethered bupivacaine delivery systems	D.A. Gianolio, M. Philbrook, L.Z. Avila, H. MacGregor, S.X. Duan, R. Bernasconi, M. Slavsky, S.	Bioconjugate Chem., 16, 1512-1518 (2005)	2005	US	C8	5um, 250 x 4.6
AP1029	Simultaneous determination of chlorpheniramine maleate and dexamethasone in a tablet dosage form by liquid chromatography	M.A. Moyano, M.A. Rosasco, M.T. Pizzorno, A.I. Segall	Journal of AOAC International, 88 (6), 1677-1683 (2005)	2005	Argentina	C18	5um, 250 x 4.6
AP1030	Diurnal variation of cytokinin, auxin and abscisic acid levels in tobacco leaves	M. Novakova, V. Motyka, P.I. Dobrev, J. Malbeck, A. Gaudinova, R. Vankova	Journal of Experimental Botany, 56 (421), 2877-2883 (2005)	2005	Czech	CN	3um, 150 x 4.6
AP1031	Aryl ketones from Acronychia pedunculata with cyclooxygenase - 2 inhibitory effects	W. Pathmasiri, H.R. El-seedi, X. Han, J.C. Janson, U. Huss, L. Bohlin	Chemistry and Biodiversity, 2, 463-469 (2005)	2005	Sweden	C18	5um, 250 x 4.6
AP1032	Lycopene supplementation attenuated xanthine oxidase and myeloperoxidase activities in skeletal muscle tissues of rats after exhaustive exercise	C. Liu, C. Huang, W. Lin, C. Hsieh, S. Huang, S. Lin, S. Yang	Brit. J. Nutrition, 94, 595-601 (2005)	2005	Taiwan	C18	5um, 250 x 4.6
AP1033	Glaciapyrroles A, B and C, pyrrolsesquiterpenes from a <i>Streptomyces</i> sp. Isolated from an Alaskan marine sediment	V.R. Macherla, J. Liu, C. Bellows, S. Teisan, B. Nicholson,	J. Nat. Prod., 68, 780-783 (2005)	2005	US	C18-HL	5um, 250 x 10.0
AP1034	The dimeric form of flavocytochrome P450 BM3 is catalytically functional as a fatty acid hydroxylase	R. Neeli, H.M. Girvan, A. Lawrence, M.J. Warren, D. Leys,	FEBS Letters, 579, 5582-5588 (2005)	2005	US	AQ	5um, 250 x 4.6
AP1035	Determination of vitamin B5 in human urine by high performance liquid chromatography coupled with mass spectrometry	O. Heudi, P. Fontannaz	J. Sep. Sci., 28, 669-672 (2005)	2005	Switzerland	AQ	3um, 150 x 3.0
AP1036	Model electrochemical mass spectrometric studies of the cytochrome P450-catalyzed oxidations of cyclic tertiary alcohols	U. Jurva, P. Bissel, E.M. isin, K. Igarashi, S. Kuttub, N.	J. Am. Chem. Soc. 127, 12368-12377 (2005)	2005	US	C18	3um, 75 x 2.1
AP1037	Stoichiometric relationships between endothelial tetrahydrobiopterin, endothelial NO synthase (eNOS) activity and eNOS coupling in vivo	J.K. Bendall, N.J. Alp, N. Warrick, S. Cai, D. adlam, K. Baskett, M. V. Gough, V.	Circulation Research, 864-871 (2005)	2005	UK	C18	
AP1038	Detection, quantification and confirmation of anabolic steroids in equine plasma by liquid chromatography and tandem mass spectrometry	F. Guan, C.E. Uboh, L.R. Soma, Y. Luo, J. Rudy, T. Tobin	J. Chrom. B, 829, 56-68 (2005)	2005	US	C8	5um, 50 x 2.1
AP1039	Tissue distribution, effects of cooking and parameters affecting the extraction of azaspiracids from mussels, <i>Mytilus edulis</i> , prior to analysis by liquid chromatography coupled to mass spectrometry	P. Hess, L. Nguyen, J. Aasen, M. Keogh, J. Kilcoyne, P. McCarron, T. Aune	Toxicon, 46, 62-71 (2005)	2005	Ireland	C8	3um, 30 x 2.1
AP1040	Structure-property relationships in poly(ethylene glycol)-protein hydrogel systems made from various proteins	K.I. Shingel, M. Faure	Biomacromolecules, 6, 1635-1641 (2005)	2005	Canada	C4	5um, 150 x 3.9
AP1041	Effect of aluminium exposure on pteridine metabolism	T. Baydar, A.B. Engin, A. Aydin, G. Sahin	Biological trace Element Research, 104, 1-12 (2005)	2005	Turkey	C18	5um, 250 x 4.6

AP1042	Preclinical pharmacokinetics and metabolism of a potent non-nucleoside inhibitor of the hepatitis C virus NS5B polymerase	C. Giuliano, F. Fiore, A. Di Marco, J. Padron Velazquez, A. Bishop, F. Bonelli, O. Gonzalez-Paz, I. Marcucci, S. Harper, F. Narjes, B. Pacini, E. Monteagudo, G. Migliaccio, M.	Xenobiotica, 35 (10/11), 1035-1054 (2005)	2005	Italy	C18	5um, 150 x 2.1
AP1043	Purification and determination of plant hormones auxin and abscisic acid using solid phase extraction and two-dimensional high performance liquid chromatography	P.I. Dobrev, L. Havlicek, M. Vagner, J. Malbeck, M. Kaminek	J. Chrom. A., 1075, 159-166 (2005)	2005	Czech	CN	3um, 150 x 4.6
AP1044	Reversed-phase liquid chromatography and argentation chromatography of the minor capsaicinoids	R.Q. Thompson, K.W. Phinney, L.C. Sander, M.J. Welch	Anal. Bioanal. Chem., 381, 1432-1440 (2005)	2005	US	Phenyl	5um, 250 x 4.6
AP1045	Application of principal components analysis to ¹ H-NMR data obtained from propolis samples of different geographical origin	D.G. Watson, E. Peyfoon, L. Zheng, D. Lu, V. Seidel, B. Johnston, J.A. Parkinson, J.	Phytochemical Analysis 17, 323-331 (2006)	2006	UK	C18	5um, 150 x 4.6
AP1046	Selective serotonin reuptake inhibitors in sewage influents and effluents from Tromsø, Norway	T. Vasskog, U. Berger, P. Samuelsen, R. Kallenborn, E.	J. Chrom. A., 1115, 187-196 (2006)	2006	Norway	C18	3um, 150 x 2.1
AP1047	Heterozygous mutation in <i>CYP2C19</i> significantly increases the concentration/dose ratio of racemic citalopram and escitalopram (S-citalopram)	I. Rudberg, M. Hendset, L.H. Uthus, E. Molden, H. Refsum	Ther. Drug Monit., 28 (1), 102-105 (2006)	2006	Norway	AQ	
AP1048	Characterization of putative ligands for a fish gonadal androgen receptor in a pulp mill effluent	D.G. J. Larsson, M. Adolfsson-Erici, P. Thomas	Environmental Toxicology and Chemistry, 25 (2), 419-427 (2006)	2006	US	Phenyl	5um, 250 x 4.6
AP1049	Determination of vitamin B12 in food products and in premixes by reversed-phase high performance liquid chromatography and immunoaffinity extraction	O. Heudi, T. Kilinc, P. Fontannaz, E. Marley	J. Chrom. A, 1101, 63-68 (2006)	2006	Switzerland	AQ	3um, 150 x 3.0
AP1050	Formation of drug-arylsulphonate complexes inside liposomes: A novel approach to improve drug retention	I.V. Zhigaltsev, N. Maurer, K. Edwards, G. Karlsson, P.R.	Journal of Controlled Release, 110, 378-386 (2006)	2006	Canada	C8	3um, 100 x 4.6
AP1051	Accurate mass filtering of ion chromatograms for metabolite identification using a unit mass resolution liquid chromatography/mass spectrometry system	M. Gu, Y. Wang, X. Zhao, Z. Gu	Rapid Communications in Mass Spectrometry, 20, 764-770 (2006)	2006	US	C18	3um, 150 x 4.6
AP1052	Moving from fast to ballistic gradient in liquid chromatography/tandem mass spectrometry pharmaceutical bioanalysis: matrix effect and chromatographic evaluations	C. De Nardi, F. Bonelli	Rapid Comm. Mass Spec., 20, 2709-2716 (2006)	2006	Italy	C18	5um, 50 x 4.6
AP1053	Development of a new standard reference material: SRM 1955 (homocysteine and folate in human serum)	M.B.Satterfield, L.T. Sniegoski, K.E. Sharpless, M.J. Welch, A.	Anal. Bioanal. Chem., 385 (3), 612-622 (2006)	2006	US	C18	5um, 150 x 4.6
AP1054	Identification of new differentiation inducing factors from <i>dictyostelium discoideum</i>	T. Saito, G.W. Taylor, J. Yang, D. Neuhaus, A. Stetsenko, A.	Biochimica et Biophysica Acta 1760, 754-761 (2006)	2006	Japan	Phenyl	3um, 150 x 4.6
AP1055	Formation of dityrosine cross-links during breadmaking	A. Rodriguez-Mateos, S.J. Millar, D.G. Bhandari, R.A.	J. Agric. Food Chem., 54, 2761-2766 (2006)	2006	UK	AQ	5um, 250 x 4.6
AP1056	Phenolic composition of European cranberrybush (<i>Viburnum opulus</i> L.) berries and astringency removal of its commercial juice	Y.S. Velioglu, L. Ekici, E.S. Povrazoglu	Int. J. Food Science and Tech. 41, 1011-1015 (2006)	2006	Turkey	C18	5um, 250 x 4.6
AP1057	Use of synthetic peptides to locate novel integrin $\alpha_2\beta_1$ -binding motifs in human collagen III	N. Raynal, S.W. Hamaia, P.R. Siljander, B. Maddox, A.R. Peachey, R. Fernandez, L.L.	J. Biol. Chem., 281 (7), 3821-3831 (2006)	2006	UK	Phenyl-300	
AP1058	Methods for synthesis of nonabromodiphenyl ethers and a chloro-nonabromodiphenyl ether	A. Christiansson, D. Teelechiel, J. Eriksson, A. Bergman, G.	Chemosphere, 63, 562-569 (2006)	2006	Sweden	C18	5um, 250 x 4.6
AP1059	Enhanced mass resolution method development, validation and assay application to support preclinical studies of a new drug candidate	V. Pucci, F. Bonelli, E. Monteagudo, R. Laufer	Rapid Communications in Mass Spectrometry, 20, 1240-1246 (2006)	2006	Italy	C18	5um, 50 x 4.6
AP1060	Serum concentrations of risperidone and 9-OH risperidone following intramuscular injection of long-acting risperidone compared with oral risperidone medication	R. Mesvag, M. Hendset, H. Refsum, L. Tanum	Acta psychiatr. Scand., 114, 21-26 (2006)	2006	Norway	AQ	
AP1061	Cerebrospinal fluid HIV-1 RNA, intrathecal immunoactivation and drug concentrations after treatment with a combination of saquinavir, nelfinavir and two nucleoside analogues: the M61022 study	A. Yilmaz, D. Fuchs, L. Hagberg, U. Nillroth, L. Stahle, J. Olof-Svensson, M. Gisslen	BMC Infectious Diseases, 63 (6) (2006)	2006	Sweden	C18	3um, 50 x 3.0
AP1062	Novel synthesis of O ⁶ -alkylguanine containing oligodeoxyribonucleotides as substrates for the human DNA repair protein, O ⁶ -methylguanine DNA methyltransferase (MGMT)	T. Shibata, N. Glynn, T.B.H. McMurphy, R.S. McElhinney, G.P. Margison, D.M. Willimas	Nucleic Acids Research, 34 (6), 1884-1891 (2006)	2006	UK	C18	5um, 250 x 4.6

AP1063	An HPLC chromatographic reactor approach for investigating the hydrolytic stability of a pharmaceutical compound	P.J. Skrdla, A. Abraham, Y. Wu	J. Pharm. And Biomed. Anal., 41, 883-890 (2006)	2006	US	C18	5um, 250 x 4.6
AP1064	The determination of methylmercury in biological samples by HPLC coupled to ICP-MS detection	D.S. Vidler, R.O. Jenkins, J.F. Hall, C.F. Harrington	Applied Organometallic Chemistry, 21 (5), 303-310 (2006)	2006	UK	C18	3um, 150 x 3.0
AP1065	Pharmacodynamic effects and pharmacokinetic profile of a long-term continuous rate infusion of racemic ketamine in healthy conscious horses	D.P.K. Lankveld, B. Driessen, L.R. Soma, P.J. Moate, J. Rudy,	J. Vet. Pharmacol. Therap., 29, 477-488 (2006)	2006	US	C18	5um, 50 x 3.0
AP1066	Pharmacokinetics of methylprednisolone acetate after intra-articular administration and its effect on endogenous hydrocortisone and cortisone secretion in horses	L.R. Soma, C.U. Uboh, Y. Luo, F. Guan, P.J. Moate, R.C. Boston	AJVR, 67 (4), 654-662 (2006)	2006	US	C8	5um, 50 x 2.1
AP1067	Determination of triphenylphosphine oxide in active pharmaceutical ingredients by hollow-fibre liquid-phase microextraction followed by reversed-phase liquid chromatography	S.M. Richoll, I. Colon	J. Chrom. A, 1127, 147-153 (2006)	2006	US	C18	3um, 150 x 4.6
AP1068	Non-cryogenic CeCl ₃ -promoted double additions of methylolithium and <i>n</i> -butyllithium to unsaturated nitriles	J. Limanto, B. Dorner, P. Devine	Synthesis, 24, 4143-4150 (2006)	2006	US	C18	3um, 150 x 3.0
AP1069	Inhibition of fatty acid amide hydrolase produces analgesia by multiple mechanisms	L. Chang, L. Luo, J.A. Palmer, S. Sutton, S.J. Wilson, A.J. Barbier, J.G. Breitenbucher, S.R. Chaplan, M. Webb	Brit. J. Pharmacology, 148, 102-113 (2006)	2006	US	C4	3um, 50 x 2.1
AP1070	Age and diet influence the composition of venom from the endoparasitic wasp <i>Pimpla turionellae</i> L. (Hymenoptera: Ichneumonidae)	F. Uckan, E. Ergin, D.B. Rivers, N. Gencer	Arch. Insect Biochem. and Physiol. 63, 177-187 (2006)	2006	Turkey	C18	3um, 125 x 4.0
AP1071	The mycobacterial thioredoxin peroxidase can act as a one-cysteine-peroxiredoxin	M. Trujillo, P. Mauri, L. Benazzi, M. Comini, A. De	J. Biol. Chem., 281 (29), 20555-20566 (2006)	2006	Uruguay	C18	5um, 150 x 1.0
AP1072	Role of the subunit composition of central nicotinic acetylcholine receptors for the stimulatory and dopamine-enhancing effects of ethanol	E. Jerlhag, M. Grotli, K. Luthman, L. Svensson, J.A. Engel	Alcohol and Alcoholism, 41 (5), 486-493 (2006)	2006	Sweden	AQ	5um, 250 x 21.2
AP1073	Evidence for the formation of a heptameric ion channel complex by the hepatitis C virus P7 protein in vitro	D. Clarke, S. Griffin, L. Beales, C. St Gelais, S. Burgess, M. Harris, D. Rowlands	J. Biol. Chem., 281 (48), 37057-37068 (2006)	2006	UK	C4-300	5um
AP1074	Determination of trace levels of dinitrophenolic compounds in environmental water samples using hollow fibre supported liquid membrane extraction and high performance liquid chromatography	T. Berhanu, J. Liu, R. Romero, N. Megersa, J.A. Jonsson	J. Chrom. A, 1103, 1-8 (2006)	2006	Sweden	C18	5um, 250 x 4.6
AP1075	Synthesis and characterization of novel poly(ethylene glycol)-lipid conjugates suitable for use in drug delivery	J. Heyes, K. Hall, V. Taylor, R. Lenz, I. MacLachlan	Journal of Controlled Release, 112, 280-290 (2006)	2006	Canada	C8	5um, 250 x 4.6
AP1076	Pharmacokinetic variability of aripiprazole and the active metabolite dehydroaripiprazole in psychiatric patients	E. Molden, H. Lunde, N. Lunder, H. Refsum	Ther. Drug. Monit., 28 (6), 744-749 (2006)	2006	Norway	AQ	3um, 100 x 2.1
AP1077	Inflammatory inert poly(ethylene glycol)-protein wound dressing improves healing responses in partial- and full-thickness wounds	K.I. Shinel, L.D. Stabile, J. Marty, M. Faure	International Wound Joirnal 3 (4), 332-342 (2006)	2006	Canada	C8	5um, 300 x 4.6
AP1078	Liquid chromatographic and spectrophotometric determination of diflucortolone valerate and chlorquinaldol in creams	I.M. Palabiyik, D. Asan, F. Onur	J. Food and Drug Anal., 15 (2), 145-150 (2007)	2007	Turkey	C18	5um, 250 x 4.6
AP1079	Development and application of an analytical protocol for evaluation of treatment processes for landfill leachates. 1. Development of an analytical protocol for handling organic compounds in complex leachate samples.	S. Bergstrom, B. Svensson, L. Martensson, L. Mathiasson	Intern. J. Environ. Anal. Chem., 87 (1), 1-15, (2007)	2007	Sweden	C18	5um, 250 x 4.6
AP1080	In search of a standard method for the characterisation of organic solvent nanofiltration membranes	Y.H. See Toh, X.X. Loh, K. Li, A. Bismarck, A.G. Livingston	J. Membrane Science, 291, 120-125 (2007)	2007	UK	C18-300	
AP1081	Quantitative analysis of cyanobacterial toxins by matrix-assisted laser desorption ionization mass spectrometry	K.L. Howard, G.L. Boyer	Anal. Chem. 79, 5980-5986 (2007)	2007	US	C18	
AP1082	Pharmacokinetics of boldenone and stanozolol and the results of quantification of anabolic and androgenic steroids in race horses and nonrace horses	L.R. Soma, C.E. Uboh, F. Guan, S. McDonnell, J. Pack	J. Vet. Pharmacol. Therap., 30, 101-108 (2007)	2007	US	C8	3um, 50 x 2.1
AP1083	Simultaneous determination of midazolam and 1'-hydroxymidazolam in human plasma by liquid chromatography with tandem mass spectrometry	W. Li, H.T. Smith, F.L.S. Tse	Biomed. Chromatogr., 21, 841-851 (2007)	2007	US	C18	3um, 50 x 2.1
AP1084	Application of liquid chromatography-electrospray ionisation mass spectrometry for determination of dietary folates: Effects of buffer nature and mobile phase composition on sensitivity and selectivity	J.D.M. Patring, J.A. Jastrebova	J. Chrom. A, 1143, 72-82 (2007)	2007	Sweden	C18	3um, 150 x 4.6

AP1085	Folates in lettuce: a pilot study	M. Johansson, M. Jagerstad, W.	Scandinavian J. Food and	2007	Sweden	C18	3um, 150 x 4.6
AP1086	Control of matrix effects in the analysis of urinary F ₂ -isoprostanes using novel multidimensional solid-phase extraction and LC-MS/MS	B. Zhang, K. Saku	J. Lipid Research, 48, 733-744 (2007)	2007	Japan	C8	3um, 50 x 2.1
AP1087	Structural and mutagenic analysis of foot-and-mouth disease virus 3C protease reveals the role of the b-ribbon in proteolysis	T.R. Sweeney, N. Roque-Rosell, J.R. Birtley, R.J. Leatherbarrow, S. Curry	J. Virology, 81 (1), 115-124 (2007)	2007	UK	C18	5um, 250 x 21.2
AP1088	Simultaneous HPLC analysis of biogenic amines, amino acids and ammonium ion as aminoenone derivatives in wine and beer	S. Gomez-Alonso, I. Hermosin-Gutierrez, E. Garcia-Romero	J. Agric. Food Chem. 55, 608-613 (2007)	2007	Spain	C18-HL	5um, 250 x 4.6
AP1089	HPLC analysis of diverse grape and wine phenolics using direct injection and multidetection by DAD and fluorescence	S.Gomez-Alonso, E. Garcia-Romero, I. Hermosin-Gutierrez	J. Food Composition and Analysis, 20, 618-626 (2007)	2007	Spain	C18	5um, 250 x 4.6
AP1090	Determination of vancomycin in serum by liquid-chromatography-high resolution full scan mass spectrometry	T. Zhang, D.G. Watson, C. Azike, J.N.A. Tettey, A.T. Stearns, A.R. Binning, C.J. Payne	J. Chrom B, 857, 352-356 (2007)	2007	UK	C8	3um, 50 x 3.0
AP1091	The simultaneous determination of phenylephrine hydrochloride, paracetamol, chlorpheniramine maleate and dextromethorphan hydrobromide in pharmaceutical preparations	I.M. Palabiyik, F. Onur	Chromatographia Suppl. 66, S93-S96 (2007)	2007	Turkey	C18	5um, 250 x 4.6
AP1092	Profiling phosphoproteins of yeast mitochondria reveals a role of phosphorylation in assembly of the ATP synthase	J. Reinders, K. Wagner, R.P. Zahedi, D. Stojanovski, B. Eylich, M. van der Laan, P. Rehling, A. Sickmann, N. Pfanner, C. Meisinger	Molecular and Cellular Proteomics, 1896-1906 (2007)	2007	Germany	C18	5um, 300 x 0.075
AP1093	Small potent ligands to the insulin-regulated aminopeptidase (IRAP)/AT ₁ receptor	A. Axen, H. Andersson, G. Lindeberg, H. Ronnholm, J. Kortessmaa, H. Demaegdt, G.	Journal of Peptide Science, 13, 434-444 (2007)	2007	Sweden	Phenyl	5um, 150 x 21.2
AP1094	Multistage and tandem mass spectrometry of glycosylated triterpenoid saponins isolated from <i>Bacopa monnieri</i> : Comparison of the information content provided by different techniques	M. Zehl, E. Pittenauer, L. Jirovetz, P. Bandhari, B. Singh, V.K.kaul, A. Rizzi, G. Allmaier	Anal. Chem., 2007	2007	Austria	C4-300	5um, 250 x 4.6
AP1095	A study on the relation between anthocyanin content and product quality: Shalgam as a model beverage	N. Turker, S. Aksay, O. Istanbulu, E. Artuvan	J. Food Quality, 30, 953-969 (2007)	2007	Turkey	C18	5um, 250 x 4.6
AP1096	Determination of the HIV integrase inhibitor, MK-0518 (raltegravir), in human plasma using 96-well liquid-liquid extraction and HPLC-MS/MS	S.A. Merschman, P.T. Vallano, L.A. Wenning, B.K. Matuszewski, E.J. Woolf	J. Chrom. B., 857, 15-24 (2007)	2007	US	C18	3um, 50 x 3.0
AP1097	Enhanced N-glycosylation site analysis of sialoglycopeptides by strong cation exchange prefractionation applied to platelet plasma membranes	U. Lewandrowski, R.P. Zahedi, J. Moebius, U. Walter, A. Sickmann	Molecular and Cellular Proteomics, 1933-1941 (2007)	2007	Germany	C18	3um, 150 x 0.075
AP1098	a-Lipoic acid in dietary supplements: Development and comparison of HPLC-CEAD and HPLC-ESI-MS methods	A.I. Durrani, H. Segwartz, W. Schmid, G. Sontag	J. Pharm. Biomed. Anal., 45, 694-699 (2007)	2007	Austria	C18	3um, 150 x 3.0
AP1099	Metabolism and disposition in humans of raltegravir (MK-0518), an anti-AIDS drug targeting the human immunodeficiency virus 1 integrase enzyme	K. Kassahun, I. MvIntosh, D. Cui, D. Hreniuk, S. Merschman, K. Lasseter, N. Azrolan, M.	Drug Metabolism and Disposition, 35 (9), 1657-1663 (2007)	2007	US	C18	3um, 50 x 3.0
AP1100	3-[5-(3,4-Dichlorophenyl)-1-(4-methoxyphenyl)-1H-pyrazol-3-yl]-2-m-tolyl-propionate (JNJ-17156516), a novel, potent and selective cholecystokinin 1 receptor antagonist: in vitro and in vivo pharmacological comparison with dexloxiglumide	M.F. Morton, T.D. Barrett, W. Yan, J.M. Freedman, G. Lagaud, C.E. Prendergast, V. Moreno, J. Pyati, K. Figueroa, L. Li, X. Wu, M. Rizzolio, J.G. Breitenbucher, K. McClure, N.P. Shankley	Journal of Pharmacology and Experimental Therapeutics, 323 (2), 562-569 (2007)	2007	US	C18	3um, 50 x 2.1
AP1101	Design, synthesis and evaluation of peptide inhibitors of <i>Mycobacterium tuberculosis</i> ribonucleotide reductase	J. Nurbo, A.K. Roos, D. Muthas, E. Wahlstrom, D.J. Ericsson, T. Lundstedt, T. Unge and A.	J. Pept. Sci., 13, 822-832 (2007)	2007	Sweden	Phenyl	5um, 50 x 4.6
AP1102	Quantitative determination of fexofenadine in human plasma by HPLC-MS	E.A.O. Isleyen, T. Ozden, S. Ozilhan, S. Toptan	Chromatographia Suppl. 66, S109-S113 (2007)	2007	Turkey	C18	5um, 50 x 4.0mm
AP1103	Identification of cytotoxic constituents of <i>Nartheecium ossifragum</i> using bioassay-guided fractionation	S. Uhlig, H. Wisloff, D. Petersen	J. Agric. Food Chem., 55, 6018-6026 (2007)	2007	Norway	C18	5um, 250 x 10.0
AP1104	Lipidomic analysis of glioblastoma multiforme using mass spectrometry	S.J., Ha, G. Showalter, S. Cai, H. Wang, W.M. Liu, A.A. Cohen-Gadol, J.N. Sarkaria, J. Rickus, J. Springer, J. Adamec, K.E. Pollok, K.L. Clase	Anal. Chem., 79 (22), 8423-8430 (2007)	2007	USA	C8-300	5um, 100 x 2.1

AP1105	Retention studies of acrylamide for the design of a robust liquid chromatography-tandem mass spectrometry method for food analysis	J. Rosén, A. Nyman, K-E. Hellenäs	J. Chrom. A, 1172, 19–24 (2007)	2007	Sweden	CN	5um, 150 x 2.1
AP1106	A stability-indicating LC assay method for pemetrexed disodium	G. Saravanan, M.V. Suryanarayana, M.J. Jadhav, M. Ravikumar, N. Someswararao, P.V.R. Acharyulu	Chromatographia Suppl. 66 (5/6), 431–434 (2007)	2007	India	C18	3um, 150 x 4.6
AP1107	Determination of non-steroidal anti-inflammatory drugs in pharmaceuticals and human serum by dual-mode gradient HPLC and fluorescence detection	H. Ibrahim, A. Boyer, J. Bouajila, F. Couderc, F. Nepveu	J. Chrom. B, 857, 59–66 (2007)	2007	France	C18	5um, 150 x 4.6
AP1108	Early virologic rebound in a pilot trial of ritonavir-boosted atazanavir as maintenance monotherapy	O. Karlstrom, F. Josephson, A. Sonnerborg	J. Acqui. Immune Defic. Syndrome, 44 (4), 417–422 (2007)	2007	Sweden	C18	3um, 50 x 3.0
AP1109	Antimicrobial components of the neonatal gut affected upon colonization	Y. Kai-larsen, G. Bergsson, G. H. Gudmundsson, G. Printz, H. Jornvall, G. Marchini, B. Agerberth	Pediatric Research, 61 (5), 530–536 (2007)	2007	Sweden	C18	5um, 150 x 2.1
AP1110	Diversity of detoxification pathways of ingested ecdysteroids among phytophagous insects	K. Rharraabe, S. Alla, A. Maria, F. Sayah, R. Lafont	Archives of Insect Biochemistry and Physiology, 65, 65–73 (2007)	2007	France	C18-HL	5um, 150 x 4.6
AP1111	Fruits and stir-fried vegetables increase plasma carotenoids in young adults	Y.-J. Lin, Y.-W. Chien, S.-H. Yang, H.H. Cheng	Asia Pac. J. Clin. Nutr., 16 (4), 616–623 (2007)	2007	Taiwan	C18	5um, 250 x 4.6
AP1112	Determination of bitter orange alkaloids in dietary supplements standard reference materials by liquid chromatography with ultraviolet absorbance and fluorescence detection	K. Putzbach, C.A. Rimmer, K.E. Sharpless, L.C. Sander	J. Chrom. A, 1156, 304–311 (2007)	2007	USA	C18	5um, 250 x 4.6
AP1113	Mass spectrometric determination of the predominant adrenergic protoalkaloids in bitter orange (<i>citrus aurantium</i>)	B.C. Nelson, K. Putzbach, K.E. Sharpless, L.C. Sander	J. Agric. Food Chem. 55, 9769–9775 (2007)	2007	USA	C18	5um, 250 x 4.6
AP1114	Analysis of per- and polyfluorinated alkyl substances in air samples from Northwest Europe	J.L. Barber, U. Berger, C. Chaemfa, S. Huber, A. Jahnke, C. Temme, K.C. Jones	J. Environ. Monit., 9, 530–541 (2007)	2007	UK	C18	3um, 150 x 2.1
AP1115	Site-specific N-terminal labelling of proteins in vitro and in vivo using N-myristoyl transferase and bioorthogonal ligation chemistry	W.P.Heal, S.R. Wickramasinghe, P.W. Bowyer, A.A. Holder, D.F. Smith, R.J. Leatherbarrow, E.W. Tate	Chemical communications Suppl. 2007	2007	UK	C18	5um, 250 x 4.6
AP1116	Determination of artemisinin in selected <i>Artemisia</i> L. species of Turkey by reversed phase HPLC	N. Erdemoglu, I. Orhan, M. Kartal, N. Adiguzel, B. Bani	Rec. Nat. Prod. 1 (2–3), 36–43 (2007)	2007	Turkey	C18	5um, 250 x 4.6
AP1117	A rapid HPLC method for determination of Sudan dyes and Para Red in red chilli pepper	E. Ertas, H. Ozer, C. Alasalvar	Food Chem., 105 (2), 756–760 (2007)	2007	Turkey	C18	5um, 250 x 4.6
AP1118	Anthocyanin profile of Spanish <i>Vitis vinifera</i> L. red grape varieties in danger of extinction	S. Gomez-Alonso, M. Fernandez-Gonzalez, A. Mena, J. Martinez,	Australian J. Grape and Wine Research, 13, 150–156 (2007)	2007	Spain	C18	5um, 250 x 4.6
AP1119	Occurrence of ochratoxin A in Turkish wines	I. Var, B. Kabak	Microchem. J. 86, 241–247 (2007)	2007	Turkey	C18	5um, 250 x 4.6
AP1120	Simultaneous determination of rosiglitazone and metformin in pharmaceutical preparations by LC	C. Yardimci, N. Ozaltin	Chromatographia, 66 (7/8), 589–593 (2007)	2007	Turkey	Phenyl	5um, 250 x 4.6
AP1121	Half-life of serum elimination of perfluorooctanesulphonate, perfluorohexanesulphonate and perfluorooctanoate in retired fluorochemical production workers	G.W. Olsen, J.M. Burris, D.J. Ehresman, J.W. Froehlich, A.M. Seacat, J.L. Butenhoff, L.R.	Environmental Health Perspectives, 115 (9), 1298–1305 (2007)	2007	US	C18	5um, 100 x 21.
AP1122	Determination of glimepiride in human plasma by LC-MS-MS	N. Yuzuak, T. Ozden, S. Eren, S. Ozilhan	Chromatographia Supplement, 66, S165–S168 (2007)	2007	Turkey	C18	5um, 50 x 4.0
AP1123	Simultaneous HPLC analysis of omeprazole and hydrochlorothiazide in combined tablets and in vitro dissolution	O. Sagirli, A. Onal, S.E. Toker, D. Sensoy	Chromatographia, 66 (3/4), 213–218 (2007)	2007	Turkey	CN	5um, 200 x 4.6
AP1124	Synthesis of octabrominated diphenyl ethers from aminodiphenyl ethers	D. Teclhiel, A. Christiansson, A. Bergman, G. Marsh	Environ. Sci. Technol., 41, 7459–7463 (2007)	2007	Sweden	C18	5um, 250 x 21.2
AP1125	Quantification of daidzein, genistein and fatty acids in soybeans and soy sprouts and some bioactivity studies	I. Orhan, B. Ozelik, M. Kartal, S. Aslan, B. Sener, M. Ozguven	Acta Biologica Cracoviensia Series Botanica, 49 (2), 61–68	2007	Turkey	C18	5um, 250 x 4.6
AP1126	Effects of 900-MHz electromagnetic field emitted from cellular phone on brain oxidative stress and some vitamin levels of guinea pigs	I. Metral, H. Mert, N. Mert, Y. Deger, I. Yoruk, A. Yetkin, S. Keskin	Brain Research, 1169, 120–124 (2007)	2007	Turkey	C18	5um, 250 x 4.6

AP1127	Novel substituted (pyridine-3-yl)phenyloxazolidinones: Antibacterial agents with reduced activity against monoamine oxidase A and increased solubility	F. Reck, F. Zhou, C.J. Eyermann, G. Kern, D. Carcanague, G. Ioannidis, R. Illingworth, G. Poon, M.B.	J. Med. Chem., 50, 4868-4881 (2007)	2007	US	C18	5um, 50 x 4.6
AP1128	Ochratoxin A in licorice as affected by processing methods	A. Arino, M. Herrera, E. Langa, J. Raso, A. Herrera	Food Additives and Contaminants, 24,987-992 (2007)	2007	Spain	C18	5um, 250 x 4.6
AP1129	An improved process for the preparation of 4,4-dimethyloxazolidine-2-thione	N. Tewari, D. Nair, H. Nizar, B.P. Rai, M. Prasad	Organic Process research & Development, 11, 466-467 (2007)	2007	India	C18	5um, 150 x 4.6
AP1130	Stability indication LC determination of entacapone in tablets	C.S. Paim, H.M.L. Goncalves, D. Miron, J. Sippel, M. Steppe	Chromatographia, 65 (9/10), 595-599 (2007)	2007	Brazil	C18	5um, 250 x 4.6
AP1131	Molecular characterization of potential microcystin-producing cyanobacteria in Lake Ontario embayments and nearshore waters	A.M. Hottot, M.F. Satchwell, G.L. Boyer	Appl. Environ. Microbiol., 73 (14), 4570-4578 (2007)	2007	US	C18	5um, 250 x 4.6
AP1132	Substrate spectrum of w-transaminase from <i>Chromobacterium violaceum</i> DSM30191 and its potential for biocatalysis	U. Kaulmann, K. Smithies, M.E.B. Smith, H.C. Hailes, J.M.	Enzyme and Microbial Technology 41, 628-637 (2007)	2007	UK	C18	5um, 150 x 4.6
AP1133	Bioavailability of apocynin through its conversion to glycoconjugate but not to diapocynin	Q. Wang, R.E. Smith, R. Luchtefeld, A.Y. Sun, A. Simony, R. Luo, G.Y. Sun	Phytomedicine, 15 (6-7), 496-503 (2008)	2008	US	C18	5um, 100 x 2.1
AP1134	Enhanced fluorescence detection of <i>cis</i> -combretastatins by post-column photolysis	M.R.L. Stratford	J. Chrom. A, 1181, 162-165 (2008)	2008	UK	C18	3um, 150 x 3.0
AP1135	Quantitation of trace betamethasone or dexamethasone in dexamethasone or betamethasone active pharmaceutical ingredients by reversed-phase high-performance liquid chromatography	K.P. Xiao, Y. Xiong, A. Rustum	J. Chrom. Sci., 46 (1), 15-22 (2008)	2008	US		
AP1136	Revealing the metabonomic variation of rosemary extracts using 1H NMR spectroscopy and multivariate data analysis	C. Xiao, H. Dai, H. Liu, Y. Wang, H. Tang	J. Agric. Food Chem., 56, 10142-10153 (2008)	2008	China	C18-HL	5um, 250 x 4.6
AP1137	Factors influencing fungal and aflatoxin levels in Turkish hazelnuts (<i>Corylus avellana</i> L.) during growth, harvest, drying and storage: A 3-year study	G. Ozay, F. Seyhan, C. Pembeci, S. Saklar, A. Yilmaz	Food Additives & Contaminants (2008)	2008	Turkey	C18	5um, 250 x 4.6
AP1138	Reduction in ochratoxin A levels in white wine, following treatment with activated carbon and sodium bentonite	I. Var, B. Kabak, Z. Erginkaya	Food Control 19, 592-598 (2008)	2008	Turkey	C18	5um, 250 x 4.6
AP1139	Pharmacometrics and delivery of novel nanoformulated PEG-b-poly(ϵ -caprolactone) micelles of rapamycin	J.A. Yanez, M.L. Forrest, Y. Ohgami, G.S. Kwon, N.M. Davies	Cancer Chemother. Pharmacol., 61 (1), 133-144 (2008)	2008	US	C18	3um, 50 x 4.6
AP1140	Isolation of a new class of ecdysteroid conjugates (glucosyl-ferulates) using a combination of liquid chromatographic methods	R. Ho, J.P. Girault, P.Y. Cousteau, J.P. bianchini, P. Raharivelomanana, R. Lafont	J. Chro. Sci., 46, 1-8 (2008)	2008	France	C18	5um, 150 x 4.6
AP1141	Can we trust mass spectrometry for determination of arsenic peptides in plants: comparison of LC-ICP-MS and LC-ES-MS/ICP-MS with XANES/EXAFS in analysis of <i>Thunbergia alata</i>	K. Bleumlein, A. Raab, A.A. Meharg, J.M. Charnock, J. Feldmann	Anal. Bioanal. Chem., 390, 1739-1751 (2008)	2008	UK	C18	5um, 250 x 4.6
AP1142	Ecdysteroids in spinach (<i>Spinacia oleracea</i> L.): Biosynthesis, transport and regulation levels	A. Bakrim, A. Maria, F. Sayah, R. Lafont, N. Takvorian	Plant Physiology and Biochemistry, 46, 844-854 (2008)	2008	France	C18	150 x 4.6
AP1143	Occurrence of fungi and their mycotoxins in individual Turkish dried figs	H.Z. Senyuva, J. Gilbert, R.A. Samson, S. Ozcan, S.	World Mycotoxin Journal, 1 (1), 79-86 (2008)	2008	Turkey	C18	5um, 250 x 4.6
AP1144	Effects of varying nitrogen doses on yield, yield components and artemisinin content of <i>Artemisia annua</i> L.	M. Oygucu, B. Sener, I. Orhan, N. Sekeroglu, M. Kirpik, M. Kartal, I. Pesin, Z. Kaya	Industrial Crops and Products, 27, 60-64 (2008)	2008	Turkey	C18	5um, 250 x 4.6
AP1145	Seawater requirement for the production of lipoxazolidinones by marine actinomycete strain NPS8920	M.J. Sunga, S. Teisan, G. Tsueng, V.R. Macherla, K.S.	J. Ind. Microbiol. Biotechnol., 35, 761-765 (2008)	2008	US	C18	5um, 150 x 4.6
AP1146	Reduction of in-source collision-induced dissociation and thermolysis of sulopenem prodrugs for quantitative liquid chromatography/electrospray ionization mass spectrometric analysis by promoting sodium adduct formation	C.E. Wujcik, E.P. Kadar	Rapid Communications in Mass Spectrometry, 22, 3195-3206 (2008)	2008	US	C18	3um, 30 x 2.1
AP1147	Biodegradability of highly ethoxylated non-ionic surfactants; determination of intermediates and pathways of biodegradation	C. Sparham, N. Rehman, J. Melling, J. van Duynhoven, S. Marshall	Environmental Toxicology and Chemistry, 27 (5), 1069-1076 (2008)	2008	UK	C18	5um, 150 x 2.1
AP1148	Antileishmanial and antitrypanosomal activity of bufadienolides isolated from the toad <i>Rhinella jimi</i> parotoid macrogland secretion	A.G. Tempone, D.C. Pimenta, I. Lebrun, P. Sartorelli, N.N. Taniwaki, H. F. de Andrade Jr, M.M. Antoniazzi, C. Jared	Toxicol., 52, 13-21 (2008)	2008	Brazil	C18	5um, 250 x 4.6

AP1149	Biogenic amines and polyamines in liver, kidney and spleen of roe deer and European brown hare	P. Paulsen, Z. Dicakova, F. Bauer	Eur. Food Res. Technol., 227, 209–213 (2008)	2008	Austria	C18	3um, 125 x 3.0
AP1150	Determination of isoflavones in nutritional supplements by HPLC with coulometric electrode array detection	H. Schwartz, G. Sontag	Monatsh Chem., 139, 865–872 (2008)	2008	Austri	C18	3um, 150 x 3.0
AP1151	Impact of the ultrarapid <i>CYP2C19*17</i> allele on serum concentration of escitalopram in psychiatric patients	I. Rudberg, B. Mohebi, M. Hermann, H. Refsum, E. Molden	Clinical Pharmacology and therapeutics, 83 (2), 322–327 (2008)	2008	Norway	AQ	
AP1152	Stability-indication LC determination of nitazoxanide in bulk drug and in pharmaceutical dosage form	V.P. Rane, J.N. Sangshetti, K.R. Patil, R.D. Yeole, D.B. Shinde	Chromatographia, 67 (5/6), 455–459 (2008)	2008	India	C18	5um, 250 x 4.6
AP1153	Identification, characterization and structure/function analysis of a corrin reductase involved in adenosylcobalamin biosynthesis	A.D. Lawrence, E. Deery, K.J. McLean, A.W. Munro, R.W.	J. Biol. Chem., 283 (16), 10813–10821 (2008)	2008	UK	AQ	5um, 250 x 4.6
AP1154	Spatial and temporal diversity of microcystins and microcystin-producing genotypes in Oneida Lake, NY	A.M. Hotto, M.F. Satchwell, D.L. Berry, C.J. Gobler, G.L. Boyer	Harmful Algae, 7, 671–681 (2008)	2008	US	C18	3um, 150 x 4.6
AP1155	Towards absolute quantification of therapeutic monoclonal antibody in serum by LC-MS/MS using isotope-labelled antibody standard and protein cleavage isotope dilution mass spectrometry	O. Heudi, S. Barteau, D. Zimmer, J. Schmidt, K. Bill, N. Lehmann, C. Bauer, O. Kretz	Anal. Chem., 80, 4200–4207 (2008)	2008	Switzerland	C18	3um, 150 x 4.6
AP1156	Synthesis of ¹¹ C-labelled metomidate analogues as adrenocortical imaging agents	F. Karimi, M. Erlansson, O. Lindhe, B. Langstrom	J. Label. Compd. Radiopharm., 51, 273–276 (2008)	2008	Sweden	C18-HL	5um, 250 x 10
AP1157	Biofortification of folates in white wheat bread by selection of yeast strain and process	S. Hjortmo, J. parting, J. Jastrebova, T. Andlid	Int. J. Food Microbiol., 127, 32–36 (2008)	2008	Sweden	C18	3um, 150 x 4.6
AP1158	A sensitive HPLC-MS-MS method for the determination of raltegravir in human plasma	M.C. Long, C. Bennetto-Hood, E.P. Acosta	J. Chrom. B., 867, 165–171 (2008)	2008	US	C18	3um, 50 x 3.0
AP1159	A stability-indicating LC method for the simultaneous determination of telmisartan and ramipril in dosage form	K.R. Patil, V.P. Rane, J.N. Sangshetti, D.B. Shinde	Chromatographia, 67 (7/8), 575–582 (2008)	2008	India	C18	5um, 250 x 4.6
AP1160	HPLC-UV method development and validation for the determination of low level formaldehyde in a drug substance	A. Soman, Y. Qiu, Q. Chan Li	J. Chrom. Sci., 46, 461–45 (2008)	2008	US	C8	5um, 150 x 4.6
AP1161	Broccoli consumption interacts with <i>GSTM1</i> to perturb oncogenic signalling pathways in the prostate	M. Traka, A.V. Gasper, A. Melchini, J.R. Bacon, P.W. Needs, V. Frost, A. Chantry, A.M.E. Jones, C.A. Ortori, D.A. Barrett, R.Y. Ball, R.D. Mills,	PLOS ONE, 3 (7) (2008)	2008	UK	C18–300	5um, 150 x 2.1
AP1162	Lynamycins A – E, Chlorinated Bisindole Pyrrole Antibiotics from a Novel Marine Actinomyete	K. A. McArthur, S. S. Mitchell, G. Tsueng, A. Rheingold, D. J. White, J. Grodberg, K. S. Lam, B. C. M. Potts	J. Nat. Prod., 71, 1732–1737 (2008)	2008	USA	C18-HL	5um, 150 x 21.2
AP1163	Validation of an analytical methodology for determination of oxytetracycline residue in milk by HPLC with UV detection	R. Khosrokhavar, M. Hosseini, M. Amini, M. Pirali-Hamedani,	Toxicology Mechanisms and Methods, 18, 351–354 (2008)	2008	Iran	C18	5um, 250 x 4.6
AP1164	Spectrophotometric and high performance liquid chromatographic determination of fexofenadine hydrochloride in pharmaceutical formulations	I. Kozan, I.M. Palabiyik, E. Karacan, F. Onur	Turk. J. Pharm. Sci., 5(3), 175–189 (2008)	2008	Turkey	C18	5um, 250 x 4.6
AP1165	Adenosine kinase mediates high affinity adine salvage in Trypanosoma brucei	M. Vodnala, A. Fijolek, R. Rofougaran, M. Mosimann, P. Maser, A. Hofer	J. Biol. Chem., 283 (9), 5380–5388 (2008)	2008	Sweden	AQ	3um, 100 x 4.6
AP1166	Identification of heparin/heparan sulphate interacting protein as a major broad-spectrum antimicrobial protein in lung and small intestine	U. Meyer-Hoffert, M. Horneff, B. Henriques-Normark, S. Normark, M. Andersson, K.	The FASEB Journal, 22, 2427–2434 (2008)	2008	Germany	C18	5um, 150 x 4.6
AP1167	Response of a neuronal model of tuberous sclerosis to mammalian target of rapamycin (mTOR) inhibitors: Effects on mTORC1 and Akt signalling lead to improved survival and function	L. Meikle, K. Pollozzi, A. Egnor, I. Kramvis, H. Lane, M. Sahin, D.J. Kwiatkowski	The Journal of Neuroscience, 21 (21), 5422–5432 (2008)	2008	US	C18	3um, 30 x 2.1
AP1168	Ability of intestinal lactic acid bacteria to bind and/or metabolise indole	A. Nowak, M. Arabski, Z. Libudzisz	Food Technol. Biotechnol. 46 (3), 299–304 (2008)	2008	Poland	C18	5um, 150 x 4.6
AP1169	N-Myristoyl transferase-mediated protein labelling in vivo	W.P. Heal, S.R. Wickramasinghe, R.L. Leatherbarrow, E.W. Tate	Org. Biomol. Chem. 6, 2308–2315 (2008)	2008	UK	C18	5um, 250 x 4.6
AP1170	Factors affecting the removal of aflatoxin M1 from food model by <i>Lactobacillus</i> and <i>Bifidobacterium</i> strains	B. Kabak, I. Var	J. Environmantal Science and Health Part B, 43, 617–624 (2008)	2008	Turkey	C18	5um, 250 x 4.6

AP1171	Dose formulation and analysis of diapocynin	R. Luchtefeld, R. Luo, K. Stine, M.L. Alt, P.A. Chernovitz, R.E. Smith	J. Agric. Food Chem., 56, 301-306 (2008)	2008	US	C18	100 x 2.1
AP1172	Glycosylation site analysis of human platelets by electrostatic repulsion hydrophilic interaction chromatography	U. Lewandrowski, K. Lohrig, R.P. Zahedi, D. Wolters, A.	Clin. Proteom., 4 (1-2), 25-36 (2008)	2008	Germany	C18	3um, 150 x 0.075
AP1173	Profiling of different bioactive compounds in functional drinks by high performance liquid chromatography	J.A. Mendiola, F.R. Marin, F.J. Senorans, G. Reglero, P.J.Martin, A. Cifuentes, E.	J. Chrom. A, 1188 (2), 234-241 (2008)	2008	Spain	C18	3um, 150 x 4.6
AP1174	¹⁸ F-Labelled vorozole analogues as PET tracer for aromatase	M. Erlandsson, F. Karimi, K. Takahashi, B. Langstrom	J. Label Compd. Radiopharm. 51, 207-212 (2008)	2008	Sweden	C18-HL	5um, 250 x 4.6
AP1175	Development of liquid chromatographic methods for the determination of phytosterols in Standard Reference Materials containing saw palmetto	M. Bedner, M.M. Schantz, L.C. Sander, K.E. Sharpless	J. Chrom. A, 1192, 74-80 (2008)	2008	US	C18	3um, 150 x 3.0
AP1176	Lactam ergot alkaloids (ergopeptams) as predominant alkaloids in sclerotia of <i>Claviceps purpurea</i> from Norwegian wild grasses	S. Uhlig, D. Petersen	Toxicon, 52, 175-185 (2008)	2008	Norway	C18	5um, 250 x 10
AP1177	In vitro stability, potency and dissolution of duloxetine enteric-coated pellets after exposure to apple sauce, apple juice and chocolate pudding	K.A. Wells, W.G. Losin	Clinical Therapeutics, 30 (7), 1300-1308 (2008)	2008	US	C8	3um, 75 x 4.6
AP1178	Evaluation of the stability of morphine sulphate in combination with Instillagel	R. Abdelmageed, N. Labyad, D.G. Watson, M. Pournamdari, C.G. Cable, E. Stanley	J. Clin. Pharm. and Ther. 33, 263-271 (2008)	2008	UK	C18	5um, 150 x 4.6
AP1179	Determination of cross-linking residues in a pharmaceutical polymer by liquid chromatography - high resolution full scan mass spectrometry	T. Zhang, D.G. Watson, D. Lu, D. Carr, L. Trager	Talanta 76, 509-512 (2008)	2008	UK	C18	5um, 100 x 4.6
AP1180	Folate content in frozen vegetarian ready meals and folate retention after different reheating methods	M. Johansson, C. Furuhaugen, W. Frohlich, M. Jagerstad	LWT 41, 528-536 (2008)	2008	Sweden	C18	3um, 150 x 4.6
AP1181	Phytoecdysteroids and antibacterial activity of the plant <i>Coronia flos-euculi</i>	N.Z. Mamadalieva, D. Egamberdieva, R. Lafont, J.P. Girault	Chemistry of Natural Compounds, 44 (3), 404-406 (2008)	2008	zbekista	C18	5um, 150 x 10
AP1182	New high-performance liquid chromatographic method for determination of clopidogrel in coated tablets	J. Sippel, L.L. Sfair, E.E.S. Schapoval, M. Steppe	J. of AOAC Int. 91 (1), 67-72 (2008)	2008	Brazil	C18	5um, 150 x 4.6
AP1183	S-Adenosyl-L-homocysteine hydrolase, key enzyme of methylation metabolism, regulates phosphatidylcholine synthesis and triacylglycerol homeostasis in yeast.	N. Malanovic, I. Streith, H. Wolinski, G. Rechberger, S.D. Kohlwein, O. Tehlivets	J. Biol. Chem., 283 (35), 23989-23999 (2008)	2008	Austria	C18	3um, 100 x 2.1
AP1184	High-resolution differentiation of transmissible spongiform encephalopathy strains by quantitative N-terminal amino acid profiling (N-TAAP) of PK-digested abnormal prion protein	A. Gielbert, L.A. davis, A. R. Sayers, J. Hope, A.C. Gill, M.J. Sauer	J. Mass Spectrom., (2008)	2008	UK	AQ	5um, 150 x 0.3
AP1185	Oral administration of gemcitabine in patients with refractory tumors: A clinical and pharmacologic study	S.A. Veltkamp, R.S. Jansen, S. Callies, D. Pluim, C.M. Visseren-Grul, H. Rosing, S. Kloeker-Rhoades, V.A.M. Andre, J.H. Beijnen, C.A. Slapak, J.H.M. schellens	Clin. Cancer Res., 14 (11), 3477-3486 (2008)	2008	etherlan	C18-HL	
AP1186	Characterization of drug-protein binding process by employing equilibrium sampling through hollow-fibre supported liquid membrane and Bjerrum and Scatchard plots	T. Barri, T.Trtic-Petrovic, M. Karlsson, J.A. Jonsson	J. Pharm. And Biomed. Anal., 48, 49-56 (2008)	2008	Sweden	C18	3um, 250 x 4.6
AP1187	Absence of urinary opioid peptides in children with autism	H. Cass, P. Gringras, J. March, I. McKendrick, A.E. O'Hare, L. Owen, C. Pollin	Arch. Dis. Child, 93, 745-750 (2008)	2008	UK	C18	5um, 250 x 4.6
AP1188	Thymidine-dependent <i>Staphylococcus aureus</i> small-colony variants: human pathogens that are relevant not only in cases of cystic fibrosis lung disease	S.Besier, J. Zander, E. Siegel, S.H. Saum, K. Hunfeld, A. Ehrhart, V. Brade, T.A.	J. Clin. Microbiol., 46 (11), 3829-3832 (2008)	2008	Germany	C18	5um, 250 x 4.6
AP1189	Correspondence between objective and subjective reports of adherence among adolescents with acute lymphoblastic leukaemia	A.L.H. Pai, D. Drotar, E. Kodish	Children's Health Care, 37, 225-235 (2008)	2008	US	C18	5um, 150 x 4.6
AP1190	Analysis of fluorotelomer alcohols and perfluorinated sulfonamides in biotic samples by liquid chromatography-atmospheric pressure photoionization mass spectrometry	S. Chu, R.J. Letcher	J. Chrom. A., 1215, 92-99 (2008)	2008	Canada	C18	3um, 50 x 2.1

AP1191	High-throughput microsomal stability assay for screening new chemical entities in drug discovery	M. Fonsi, M.V. Orsale, E. Monteagudo	J. Biomol. Screen. 13 (9), 862-869 (2008)	2008	Italy	C18	3um, 50 x 4.6
AP1192	Determination of iridoid glycosides from four Turkish <i>Lamium</i> species by HPLC-ESI/MS	F.N. Yalcin, D. Kaya, I. Calis, T. Ersoz, E. Palaska	Turk. J. Chem., 32, 457-467 (2008)	2008	Turkey	C18	5um, 150 x 4.0
AP1193	Thermostability of oxytetracycline, tetracycline and doxycycline at ultrahigh temperatures	M. Hassani, R. Lazaro, C. Perez, S. Condon, R. Pagan	J. Agric. Food Chem., 56, 2676-2680 (2008)	2008	Spain	C18	5um, 250 x 4.0
AP1194	Aqueous polymer two-phase systems for the proteomic analysis of plasma membranes from minute brain samples	J. Schindler, U. Lewandrowski, A. Sickmann, E. Friauf	Journal of Proteome research, 7, 432-442 (2008)	2008	Germany	C18	3um, 150 x 0.075
AP1195	Dietary predictors of perfluorinated chemicals: A study from the Danish national birth cohort	T. I. Halldorsson, C. Fei, J. Olsen, L. Lipworth, J.K. Mclaughlin, S.F. Olsen	Environ. Sci. Technol., 42, 8971-8977 (2008)	2008	Denmark	C18	5um, 100 x 2.1
AP1196	Stability-indicating HPLC method for determination of vitamins B1, B2, B3 and B6 in pharmaceutical liquid dosage form	S. Thomas, R. Kumar, A. Sharma, R. Issarani, B.P. Nagori	Indian Journal of Chemical technology 15, 598-603 (2008)	2008	India	C18	5um, 250 x 4.6
AP1197	Determination of free amino acids and ammonium ion in saffron (<i>Crocus sativus</i> L.) from different geographical origins	C.P. del Campo, T. Garde-Cerdan, A.M. Sanchez, L. Maggi, M. Carmona, G.L. Alonso	Food Chem., 114, 1542-1548 (2009)	2009	Spain	C18-HL	5um, 250 x 4.6
AP1198	1-Amino-4-benzylphthalazines as orally bioavailable smoothened antagonists with antitumor activity	K. Miller-Moslin, S. peukert, R.K. Jain, M.A.S. McEwan, R. Karki, L. Llamas, N. Yusuff, F. He, Y. Li, Y. Sun, M. Dai, L. Perez, W. Michael, T. Sheng, H. Lei, R. Zhang, J. Williams, A. Bourret, A. Ramamurthy, J. Yuan, R. Guo, M. Matsunoto, A. Vattay, W. Maniara, A. Amaral,	J. Med. Chem., 52, 3954-3968 (2009)	2009	USA	C18	3um, 30 x 2.1
AP1199	Ochratoxin A in cereal-derived products in Turkey: occurrence and exposure assessment	B. Kabak	Food and Chem. Toxicology 47, 348-353 (2009)	2009	Turkey	C18	5um, 250 x 4.6
AP1200	Production of novel ACE inhibitory peptides from b-lactoglobulin using protease N amino	P. Ortiz-Chao, J.A. Gomez-Ruiz, R.A. Rastall, D. Mills, R. Cramer, A. Pihlanto, H. Korhonen, P. Jauregi	International Dairy Journal, 19, 69-76 (2009)	2009	UK	C18	5um, 250 x 4.6
AP1201	¹⁸ F labelled metomidate analogues as adrenocortical imaging agents	M. Erlandsson, F. Karimi, O. Lindhe, B. Langstrom	Nuclear Medicine and Biology, 36, 435-445 (2009)	2009	Sweden	C18-HL	5um, 250 x 4.6
AP1202	Tyrosine phosphorylation modulates the activity of TRPV4 in response to defined stimuli	T. Wegierski, U. Lewandrowski, B. Muller, A. Sickmann, G. Walz	J. Biol. Chem., 284 (5), 2923-2933 (2009)	2009	Germany	C18	3um, 150 x 0.075
AP1203	Caffeine during exercise in the heat: Thermoregulation and fluid-electrolyte balance	J. del Coso, E. Estevez, R. Mora-Rodriguez	Medicine and Science in Sports and Exercise 41 (1), 164-173	2009	Spain	C18	5um, 150 x 4.0
AP1204	Standardization of microcystin extraction from fish tissues. A novel internal standard as a surrogate for polar and non-polar agents	J.L. Smith, G.L. Boyer	Toxicol., 53, 238-245 (2009)	2009	US	C18	
AP1205	Azithromycin loaded on hydrogels of carbomer: Chemical stability and delivery properties	S.L. Esteban, R.H. Manzo, F.L. Alovero	Int. J. Pharmaceutics, 366, 53-57 (2009)	2009	Argentina	CN	5um, 250 x 4.6
AP1206	The phytoecdysteroid profiles of 7 species of <i>Silene</i> (Caryophyllaceae)	L. Zibareva, V.I. Yeriomina, N. Munkjargal, J. Girault, L. Dinan, R. Lafont	Archives of Insect Biochemistry and Physiology, 2009	2009	Russia	C18	5um, 150 x 4.6
AP1207	Characterization of olive-leaf phenolics by ESI-MS and evaluation of their antioxidant capacities by the CAT assay	M. Laguerre, L.J.L. Giraldo, G. Piombo, M.C. Figueroa-Espinoza,	J. Am. Oil Chem. Soc., 86, 1215-1225 (2009)	2009	France	C18	5um, 250 x 4.6
AP1208	Peptides derived from HIV-1 integrase that bind rev stimulate viral genome integration	A. Levin, Z. Hayouka, M. Helfer, R. Brack-werner, A. Friedler, A. Loyter	PLoS ONE, 4 (1) (2009)	2009	Israel	C8	
AP1209	Metabolism of quetiapine by CYP3A4 and CYP3A5 in presence or absence of cytochrome B5	G.V. Bakken, I. Rudberg, H. Christensen, E. Molden, H.	Drug Metabolism and Disposition, 37 (2), 254-258 (2009)	2009	Norway	AQ	3um
AP1210	Apixaban metabolism and pharmacokinetics after oral administration to humans	N. Raghavan, C.E. Frost, Z. Yu, K. He, H. Zhang, W.G. Humphreys, D. Pinto, S. Chen, S. Bonacorsi, P.C. Wong, D. Zhang	Drug Metabolism and Disposition, 37 (1), 74-81 (2009)	2009	US	C18	3um, 150 x 4.6
AP1211	Intra-articular injection composed of steroid, iohexol and local anaesthetic - is it stable?	K. Shah, D. Watson, C. Campbell, R.M.D. Meek	The British Journal of radiology, 82, 109-111 (2009)	2009	UK	C18	5um, 150 x 4.6

AP1212	Enantiomeric separation of moxifloxacin and its (R,R)-isomer by ligand-exchange chiral chromatography	M. Ravikumar, M.S. Varma, T.S. Raju, P. Suchitra, P.Y. Swamy	Chromatographia, 69 (1/2), 85-89 (2009)	2009	India	C18	3um, 150 x 4.0
AP1213	Polyphenol, anthocyanin and resveratrol mass fractions and antioxidant properties of cranberry cultivars	E.J. Borowska, B. Mazur, R.G. Kopeciuch, B. Buszewski	Food Technol. Biotechnol., 47 (1), 56-61 (2009)	2009	Poland	C18	3um, 150 x 4.0
AP1214	Stability-indicating LC method for the determination of olmesartan in bulk drug and in pharmaceutical dosage form	V.P.Rane, K.R. Patil, J.N. Sangshetti, R.D. Yeole, D.B.	Chromatographia, 69 (1/2), 169-173 (2009)	2009	India	C18	5um, 250 x 4.6
AP1215	Biotransformation of aesculin by human gut bacteria and identification of its metabolites in rat urine	W.-J. Ding, Y. Deng, H. Feng, W.-W. Liu, R. Hu, X. Li, Z.-M.	World Journal of Gastroenterology, 15 (12), 1518-	2009	China	C18	3um, 150 x 4.6
AP1216	Perfluoroalkyl compounds (PFCs) in indoor dust: Concentrations, human exposure estimates and sources (supplementary material available)	J.A. Bjorklund, K. Thuresson, C. De Wit	Environ. Sci. Technol., 43 (7), 2276-2281 (2009)	2009	Sweden	C18	3um, 150 x 2.1
AP1217	From a natural product lead to the identification of potent and selective benzofuran-3-yl-(indol-3-yl)maleimides as glycogen synthase kinase 3# inhibitors that suppress proliferation and survival of pancreatic cancer cells	I.N. Gaisina, F. Gallier, A.V. Ougolkov, K.H. Kim, T. Kurome, S. Guo, D. Holzle, D.N. Luchini, S.Y. Blond, D.D. Billadeau, A.P. Kozikowski	J. Med. Chem., 52 (2), 1853-1863 (2009)	2009	US	AQ	3um, 100 x 4.6
AP1218	HPLC determination of acenocoumarol and its major thermal degradation product	R. Ceresole, M.A. Rosasco, C.C. Forastieri, A.I. Segall	Journal of Liquid Chromatography and Related Techniques, 31, 179-187 (2008)	2008	Argentina	C18	5um, 250 x 4.6
AP1219	Simultaneous high performance liquid chromatographic determination of telmisartan and hydrochlorothiazide in pharmaceutical preparation	V.P. Rane, J.N. Sangshetti, D.B. Shinde	Journal of Chromatographic Science, 46, 887-891 (2008)	2008	India	C18	5um, 250 x 4.6
AP1220	Monoterpene-induced molecular responses in <i>Arabidopsis thaliana</i>	K. Godard, R. White, J. Bohlmann	Phytochemistry, 69, 1838-1849 (2008)	2008	Canada	C18	100 x 2.1
AP1221	Electrochemical generation of electrophilic drug metabolites: characterization of amodiaquine quinoneimine and cysteinyl conjugates by MS, IR and NMR	U. Jurva, A. Holmen, G. Gronberg, C. Masimirembwa, L. Weidolf	Chem. Res. Toxicol., 21, 928-935 (2008)	2008	Sweden	C8	3um, 100 x 2.1
AP1222	Identifying carotenoids and phenolic compounds in naranjilla (<i>Solanum quitoense</i> Lam. Var. Puyo hybrid), an Andean fruit	A. Gancel, P. Alter, C. Dhuique-Mayer, J. Ruales, F. Vaillant	J. Agric. Food Chem., 56, 11890-11899 (2008)	2008	France	C18	5um, 250 x 4.6
AP1223	Analysis of trifluoroacetic acid and other short-chain perfluorinated acids (C2-C4) in precipitation by liquid chromatography-tandem mass spectrometry: Comparison to patterns of long chain perfluorinated acids (C5-C18)	S. Taniyasu, K. Kannan, L. W. Y. Yeung, K. Y. Kwok, P. K. S. Lam, N. Yamashita	Analytica Chimica Acta, 619, 221-230 (2008)	2008	Japan	C8	3um, 150 x 2.1
AP1224	Determination of nimesulide in pharmaceutical formulations and in human serum by reversed-phase high performance liquid chromatography	P.Reddy-Battu	Int. J. PharmTech Research, 1 (2), 206-209 (2009)	2009	India	C18	5um, 250 x 4.0
AP1225	Characterisation of vitamin B12 immunoaffinity columns and method development for determination of vitamin B12 in a range of foods, juices and pharmaceutical products using immunoaffinity clean-up and high performance liquid chromatography with UV detection	E.C. Marley, E. Mackay, G. Young	Food Additives and Contaminants, 26 (3), 282-288 (2009)	2009	UK	AQ	3um, 150 x 3.0
AP1226	Acute clozapine exposure in vivo induces lipid accumulation and marked sequential changes in the expression of SREBP, PPAR and LXR target genes in rat liver	J. Ferno, A. O. Vik-Mo, G. Jassim, B. Havik, K. Berge, S. Skrede, O.A. Gudbrandsen, J. Waage, N. Lunder, S. Mork, R.K. Berge, H.A. Jorgensen, V.M.	Psychopharmacology, 2-3(1), 73-84 (2009)	2009	Norway	AQ	3um, 100 x 2.1
AP1227	GTP cyclohydrolase I expression, protein and activity determine intracellular tetrahydrobiopterin levels, independent of GTP cyclohydrolase feedback regulatory protein expression	A.L. Tatham, M.J. Crabtree, N. Warrick, S.Cai, N.J. Alp, K.M. Channon	J. Biol. Chem., 284 (20), 13660-13668 (2009)	2009	UK	C18	n/a
AP1228	Ability of probiotic <i>Lactobacillus casei</i> DN 114001 to bind or/and metabolise heterocyclic aromatic amines in vitro	A. Nowak, Z. Libudzisz	Eur. J. Nutr., 2009	2009	Poland	C18	5um, 150 x 4.6
AP1229	Reduction of ochratoxin A levels in white wine by yeast treatments	I. Var, Z. Erginkaya, B. Kabak	J. Inst. Brewing, 115 (1), 30-34 (2009)	2009	Turkey	C18	5um, 250 x 4.6
AP1230	Estimation of dietary intake of ochratoxin A from liquorice confectionery	M. Herrera, A. Herrera, A. Arino	Food and Chemical Toxicology, 2009	2009	Spain	C18	5um, 250 x 4.6
AP1231	Preparative chromatography technique in the removal of isostructural genotoxic impurity in rizatriptan: Use of physicochemical descriptors of solute and adsorbent	S.R. Maddula, M. Kharkar, K. Manudhane, S. Kale, A. Bhoori, A. Lali, P.K. Dubey, K.R. Janardana Sarma, A. Bhattacharya, R. Bandichhor	Organic Process research & Development, 2009	2009	India	CN	5um, 250 x 4.6

AP1232	Effect of g-irradiation on agaritine, g-glutaminy-4-hydroxybenzene (GHB), antioxidant capacity and total phenolic content of mushrooms (<i>Agaricus bisporus</i>)	I. Sommer, H. Schwartz, S. Solar, G. Sontag	J. Agric. Food Chem., 57, 5790-5794 (2009)	2009	Austria	C18	3um, 100 x 2.1
AP1233	Sulphation of O-demethyl apixaban: enzyme identification and species comparison	L. Wang, N. Raghavan, J.M. Luetting, W.G. Humphreys, R.M. Knabb, D.J. Pinto, D. Zhang	Drug Metabolism and Disposition, 37 (4), 802-808 (2009)	2009	US	C18	3um, 150 x 4.6
AP1234	A validated, specific stability-indicating RP-LC method for moxifloxacin and its related substances	M.L. Devi, K.B. Chandrasekhar	Chromatographia, 69 (9/10), 993-999 (2009)	2009	India	C18	5um, 250 x 4.6
AP1235	Spectrophotometric and liquid chromatographic determination of acetaminophen in pharmaceutical formulations	H. Ozbakan, I. Murt, M. G. Caglayan, F. Onur	Turk. J. Pharm. Sci., 6 (3), 163-176 (2009)	2009	Turkey	C18	5um, 250 x 4.6
AP1236	A validated, specific stability-indicating RP-LC method for analysis of gatifloxacin in the presence of degradation products and process-related impurities	M.L. Devi, K.B. Chandrasekhar	Chromatographia, 69 (9/10), 985-992 (2009)	2009	India	C18	5um, 250 x 4.6
AP1237	Metabolism-related liabilities of a potent histone deacetylase (HDAC) inhibitor and relevance of the route of administration on its metabolic fate	M. Fonsi, F. Fiore, P. Jones, O. Kinzel, R. Laufer, M. Rowley, E. Montegudo	Xenobiotica, 1-16 (2009)	2009	Italy	C18	5um, 150 x 4.6
AP1238	Ocular pharmacokinetics of AzaSite Xtra - 2% azithromycin formulated in a DuraSite delivery system	E.C. Si, P.S. Cheung, L. Bowman, K. Hosseini	Current Eye Research, 34, 485-491 (2009)	2009	US	Phenyl	5um, 100 x 2.1
AP1239	Balsa raft crossing the Pacific finds low contaminant levels	A. Goksoyr, K.E. Tollefsen, M. Grung, K. Loken, E. Lie, A.	Environmental Science & Technology, 43 (13), 4783-4790	2009	Norway	C18	3um, 150 x 2.1
AP1240	Variations in chemical compositions of <i>Rosa damascena</i> Mill. and <i>Rosa canina</i> L. fruits	S. Kazaz, H. Baydar, S. Erbas	Czech. J. Food Sci., 27 (3), 178-184 (2009)	2009	Turkey	C18	5um, 250 x 4.6
AP1241	Pinellia ternata, Citrus reticulata and their combinational prescription inhibit eosinophil infiltration and airway hyperresponsiveness by suppressing CCR3+ and Th2 cytokines production in the ovalbumin-induced asthma model	I-S. Ok, S-H. Kim, B-K. Kim, J-C. Lee, Y-C. Lee	Mediators of Inflammation, 2009	2009	South Korea	C18	10um, 250 x 30
AP1242	LC determination of gallic acid in preparations derived from <i>Schinus terebinthifolius</i> raddi	M.G. Carvalho, F.D. Freire, F.N. Raffin, C.F.S. Aragao, T.F.A.L. Moura	Chromatographia Supplement, 69, S249-S253 (2009)	2009	Brazil	C18	5um, 150 x 4.6
AP1243	Co-isolation of deoxynivalenol and zearalenone with sor-gel immunoaffinity columns for their determination in wheat and wheat products	Z. Brenn-Struckhoffova, C. Fureder, M. Cichna-Markl, E.	J. Chrom. A, 1216, 5828-5837 (2009)	2009	Austria	C18	3um, 150 x 3.0
AP1244	A validated stability-indicating RP-HPLC method for levofloxacin in the presence of degradation products, its process related impurities and identification of oxidative degradant	M.L. Devi, K.B. Chandrasekhar	J. Pharm. and Biomed. Analysis, 50, 710-717 (2009)	2009	India	C18	5um, 250 x 4.6
AP1245	Development and validation of a stability-indicating RP-HPLC method to separate low levels of dexamethasone and other related compounds from betamethasone	Y. Xiong, K.P. Xiao, A.M. Rustum	J. Pharm. and Biomed. Anal., 49, 646-654 (2009)	2009	US	Phenyl	3um, 100 x 4.6
AP1246	LC method for telithromycin in tablets: A stability-indicating assay	L.C. Vaucher, C.S. Paim, A.D. Lange, E.E.S. Schapoval	Int. J. Pharmaceutics, 366, 82-87 (2009)	2009	Brazil	C18	5um, 250 x 4.6
AP1247	Development of a high performance liquid chromatography - fluorescence detection method for analyzing nonylphenol/dinonylphenol-polyethoxylate-based phosphate esters	A. Stenholm, S. Holmstrom, S. Hjarthag, O. Lind	J. Chrom. A, 1216, 6974-6977 (2009)	2009	Sweden	Phenyl	3um, 150 x 3.0
AP1248	The relationship between leaf rolling and ascorbate-glutathione cycle enzymes in apoplastic and symplastic areas of <i>Ctenanthe setosa</i> subjected to drought stress	N. Saruhan, R. Terzi, A. Saglam, A. Kadioglu	Biol. Res. 42, 315-326 (2009)	2009	Turkey	C18	5um, 250 x 4.6
AP1249	Post-dispensing stability surveillance: Stavudine	K.K. Naidoo, T. Govender, R.A. Deonunan, T. Govender, C.	African Journal of Primary Health Care & Family Medicine, 1	2009	South Africa	C18	5um, 150 x 4.6
AP1250	Comparison study of porous, fused-core and monolithic silica-based C18 HPLC columns for Celestoderm-V ointment analysis	J. Zheng, D. Patel, Q. Tang, R.J. Markovich, A. M. Rustum	J. Pharm. & Biomed. Anal., 50, 815-822 (2009)	2009	US	C18	3um, 100 x 4.6
AP1251	A sensitive and high throughput LC-MS/MS method for the quantification of pegylated-interferon- α_{2a} in human serum using monolithic C18 solid phase extraction for enrichment	Z. Yang, J. Ke, M. Hayes, M. Bryant, F. L.S. Tse	J. Chrom. B, 877, 1737-1742 (2009)	2009	US	C8	5um, 50 x 2.1
AP1252	Perfluorooctane sulfonate (PFOS) toxicity in domestic chicken (<i>Gallus gallus domesticus</i>) embryos in the absence of effects on peroxisome proliferator activated receptor alpha (PPAR α)-regulated genes	J.M.O'Brien, A.C. Carew, S. Chu, R.J. Letcher, S.W. Kennedy	Comparative Biochemistry and Physiology, Part C 149, 524-530 (2009)	2009	Canada	C18	3um, 50 x 2.1
AP1253	Application of ion-trap mass spectrometry for identification and structural determination of an unknown impurity in simvastatin	G.V. R. Reddy, A. P. Kumar, B.V. Reddy, J. Sreeramulu	Pharmazie, 64, 638-641 (2009)	2009	South Korea	C18	5um, 150 x 4.6

AP1254	Simultaneous determination of triprolidine and pseudoephedrine in human plasma by liquid chromatography-ion trap mass spectrometry	A.K. Shakya, T.A. Arafat, A.N. Abuawwad, M. Melhim, J. Al-Ghani, M.J. Yacoub	J. Chrom. B, 877, 4071-4078 (2009)	2009	Jordan	C18	5um, 50 x 2.1
AP1255	Ecdysteroids from <i>Cyanotis longifolia</i> Beeth. (Commelinaceae)	S. Crouzer, A. Maria, L. Dinan, R. Lafont, J. Girault	Archives of Insect Biochemistry and Physiology, 72 (4), 194-209 (2009)	2009	France	C18	5um, 150 x 4.6
AP1256	Mutagenic risks induced by homemade hair straightening creams with high formaldehyde content	J.L. Mazzei, E.V. Figueiredo, L.J. da Veiga, C.A.F. Aiub, P.L.C. Guimaraes, I. Felzenszwalb	J. Appl. Toxicol. (2009)	2009	Brazil	C18	5um, 250 x 4.6
AP1257	Novel farnesylthiosalicylate (FTS)-eluting composite structures	A. Kraitzer, Y. Kloog, M. Zilberman	European J. Pharm. Sci., 37, 351-362 (2009)	2009	Israel	C18	5um, 250 x 4.6
AP1258	Sulfamethoxazole contamination of a deep phreatic aquifer	D. Avisar, Y. Lester, D. Ronen	Science of the Total Environment, 407 (14), 4278-4282 (2009)	2009	Israel	C18	5um, 250 x 2.1
AP1259	Effects of tramadol hydrochloride on the thermal threshold in cats	B.H. Pypendop, K.T. Siao, J.E. Ilkiw	American Journal of Veterinary Research, 70 (12), 1465-1470 (2009)	2009	US	C18	3um, 100 x 2.1
AP1260	Perfluorinated compounds in delivering women from south central Vietnam	C. Rylander, D.T. Phi, J.O. Odland, T.M. Sandanger	J. Environ. Monit., 11, 2002-2008 (2009)	2009	Norway	C18	3um, 150 x 2.1
AP1261	Application of stable isotope methodology in the evaluation of the pharmacokinetics of (S,S)-3-[3-(methylsulphonyl)phenyl]-1-propylpiperidine hydrochloride in rats	S. Yamazaki, L.N. Toth, E. Kimoto, J. Bower, J. Skaptason, D. Romero, T.G. Heath	Drug Metabolism and Disposition 37 (5), 937-945 (2009)	2009	US	Phenyl	5um, 50 x 2.1
AP1262	Extraction of carcinogenic aromatic amines from aqueous solution using calix[n]arene derivatives as carrier	S. Erdemir, M. Bahadir, M. Yilmaz	Journal of Hazardous Materials 168, 1170-1176 (2009)	2009	Germany	C18	5um, 250 x 4.6
AP1263	Folate content of Norwegian and Swedish flours and bread analysed by use of liquid chromatography-mass spectrometry	J. Patring, M. Wandel, M. Jagerstad, W. Frolich	Journal of Food Composition and Analysis, 22, 649-656 (2009)	2009	Sweden	C18	3um, 150 x 4.6
AP1264	Aflatoxins in bulk and pre-packed pistachios sold in Spain and effect of roasting	Arino, M. Herrera, G. Estopanan, M.C. Rota, J.J. Carraminana, T. Juan, A. Herrera	Food Control 20, 811-814 (2009)	2009	Spain	C18	5um, 250 x 4.6
AP1265	Investigation of the protein fractions in goat milk with RP-HPLC to optimize the milk processing	O. Bara-Herczegh, J. Csanadi, G. Torok	Analele Universitatii din Oradea, Fascicula Ecotoxicologie, (2009)	2009	Hungary	C4-300	5um, 150 x 2.1
AP1266	Camptothecin and khat (<i>Catha edulis</i> Forsk.) induced distinct cell death phenotypes involving modulation of c-FLIP _L , Mcl-1, procaspase-8 and mitochondrial function in acute myeloid leukemia cell lines	T. Bredholt, E. Dimba, H.R. Hagland, L. Wegeland, J. Skavland, K.O. Fossan, K.J. Transtad, A.C. Lehneggen	Molecular Cancer, 8, 101 (2009)	2009	Norway	Phenyl	3um, 50 x 2.1
AP1267	Comparative flavan-3-ol profile and antioxidant capacity of roasted peanut, hazelnut and almond skins	M. Monagas, I. Garrido, R. Lebron-Aguilar, M. C. Gomez-Gomez, A. Delgado, P. Montegudo, J.M. Ontoria, M.V. Martinez	J. Agric. Food Chem., 57 (22), 10590-10599 (2009)	2009	Spain	C18	3um, 150 x 4.6
AP1268	BL-1020: A novel antipsychotic drug with GABAergic activity and low catalepsy, is efficacious in a rat model of Schizophrenia	Y. Geffen, A. Nudelman, I. Gil-Ad, A. Rephaeli, M. Huang, K. Savitsky, L. Klapper, I. Winkler, H.Y. Meltzer, A. Weizman	European Neuropsychopharmacology, 19, 1-13 (2009)	2009	Israel	C18	5um, 150 x 4.0
AP1269	Discovery of 2-(4-[(3S)-piperidin-3-yl]phenyl)-2H-indazole-7-carboxamide (MK-4827): a novel oral poly(ADP-ribose)polymerase (PARP) inhibitor efficacious in BRCA-1 and -2 mutant tumours	P. Jones, S. Altamura, J. Boueres, F. Ferrigno, M. Fonsi, C. Giomini, S. Lamartina, E. Montecchi, J.M. Ontoria, M.V. Martinez	J. Med. Chem., 52, 7170-7185 (2009)	2009	Italy	C18	5um, 150 x 2.1
AP1270	Sorption of sulfonamides and tetracyclines to montmorillonite clay	D. Avisar, O. Primor, I. Gozlan, H. Mamane	Water Air Soil Pollut, Sept 2009	2009	Israel	C18	5um, 250 x 2.1
AP1271	Metabolism and excretion of an oral taxane analog, [¹⁴ C]3'-tert-butyl-3'-N-tert-butylloxycarbonyl-4-deacetyl-3'-dephenyl-3'-N-debenzoyl-4-O-methoxy-paclitaxel (BMS-275183), in rats and dogs	V.T. Ly, J. Caceres-Cortes, D. Everett, S. N. Comezoglu	Drug Metabolism and Disposition, 37 (5), 1115-1128 (2009)	2009	US	C18	5um, 250 x 4.6
AP1272	Dietary predictors and plasma concentrations of perfluorinated compounds in a coastal population from Northern Norway	C. Rylander, M. Brustad, H. Falk, T.M. Saandanger	Journal of Environmental and Public Health, 2009	2009	Sweden		
AP1273	Novel liquid chromatographic determination of cystatin C in human urine	O.I.Y. Al-Musaïmi, M.K. Fayyad, A.K. Mishal	J. Chrom. B, 877, 747-756 (2009)	2009	Jordan	C8	5um, 150 x 4.6
AP1274	Comparison of microbiological assay and HPLC-UV for determination of fluconazole in capsules	K.M. Queiroz, M.M. Silva, N.D. Prado, P.M.A. Lima, R.D.L. Diniz, I.C. Cesar, G.A. Pianetti, D.A. Santos	Brazilian Journal of Pharmaceutical Sciences, 45 (4), 693-700 (2009)	2009	Brazil	C18	5um, 150 x 4.6
AP1275	Determination of polycyclic aromatic nitrogen heterocycles in soil using liquid chromatography/tandem mass spectrometry	R. Svabensky, M. Oravec, Z. Simek	Int. J. Environ. Anal. Chem., 89 (3), 167-181 (2009)	2009	Czech	C18	5um, 250 x 4.6

AP1276	Characterization of a new bioactive peptide from Potamotrygon gr. Orbignyi freshwater stingray venom	K. Conceicao, J.M. Santos, F.M. Bruni, C.F. Klitzke, E.E. Marques, M.H. Borges, R.L. Melo, J.H. Fernandez, M. Lopes-	Peptides, 30, 2191-2199 (2009)	2009	Brazil	C18	5um, 250 x 4.6
AP1277	A study of the relative importance of lipophilic, p-p and dipole-dipole interactions on cyanopropyl, phenyl and alkyl LC phases bonded onto the same base silica	C. Markopoulou, T. Tweedie, D. Watson, G. Skellern, H. Reda, P. Petersson, H. Bradstock, M.	Chromatographia, 70, 705-715 (2009)	2009	UK	CN, C4, C18, Phenyl	150 x 4.6
AP1278	Expression and purification of SAK-fused human interferon alpha in <i>Escherichia coli</i>	S. Salunkhe, B. Prasad, K. Sabnis-Prasad, A. Apte-Deshpande, S. Padmanabhan	J. Microbial and Biochemical Technology, 1 (1) 5-10, (2009)	2009	India	C18	5um, 250 x 4.6
AP1279	Development and validation of a dissolution test for telithromycin in coated tablets	L.C. Vaucher, C.S. Paim, A.D. Lange, L. Elfrides, E.S.	Quim. Nova, 32 (5), 1329-1333 (2009)	2009	Brazil	C18	5um, 250 x 4.6
AP1280	Screening, quantification and confirmation of phenylbutazone and oxyphenbutazone in equine plasma by liquid chromatography-tandem mass spectrometry	Y. You, C.E. Uboh, L.R. Soma, F. Guan, X. Li, J.A. Rudy, J. Chen	J. Anal. Toxicol. 33, Jan/Feb 2009	2009	US	C8	5um, 75 x 2.1
AP1281	On-line determination of cyclophosphamide in blood sample utilizing microextraction by packed sorbent and liquid chromatography tandem mass spectrometry (MEPS-LC-MS/MS)	M. Kamel, R. Said, A. Elbeqqali, F. Bassyouni, M Abdel-Rehim	The Open Spectroscopy Journal, 3, 26-30 (2009)	2009	sweden	C18	3um, 100 x 2.1
AP1282	Extraction and determination of trinitrotoluenes and products of their biotransformation in soil samples	J. Becanova, Z. Friedl, Z. Simek	Intern. J. Environ. Anal. Chem., 89 (8-12), 785-797 (2009)	2009	Czech	C18	3um, 250 x 2.1
AP1283	Pharmacokinetics of intrarectal omeprazole in alpacas	T. Marmulak, S. Stanley, P.H. Kass, V. Wiebe, D. McKemie, N.	J. Vet. Pharmacol. Therap., 33, 371-375 (2009)	2009	US	C18	3um, 100 x 2.1
AP1284	Structural studies on minor enniatins from <i>Fusarium</i> sp. V1 03441: Novel N-methyl-threonins containing enniatins	S. Uhlig, L. Ivanova, D. Petersen, R. Kristensen	Toxicon, 53, 734-742 (2009)	2009	Norway	C18	5um, 250 x 10
AP1285	A comparison of the pharmacokinetics of perfluorobutanesulphonate (PFBS) in rats, monkeys and humans	G.W. Olsen, S. Chang, P.E. Noker, G.S. Gorman, D.J. Ehresman, P.H. Lieder, J.L.	Toxicology 256, 65-74 (2009)	2009	US	C18	5um, 100 x 2.1
AP1286	Kinetic and stoichiometry of the reaction of chlorogenic acid and its alkyl esters against the DPPH radical	L.J. Lopez-Giraldo, M. Laguerre, J. Lecomte, M. Figueroa-Espinoza, B. Barea, J. Weiss	J. Agric. Food Chem., 57, 863-870 (2009)	2009	US	C18	3um, 50 x 2.1
AP1287	Selective HPLC quantification of promethazine hydrochloride and its degradation products in presence of sodium benzoate	E.M. Abdel-Moety, H.M. Lotfy, E.G. Nouman	Saudi Pharmaceutical Journal, 17 (2), 161-1169 (2009)	2009	udi Ara	C8	5um, 150 x 4.6
AP1288	An improved method for assessing relative nucleophilic substitution reactivities of polychlorinated benzenes	Y. Qiu, J. Eriksson, L. Granelli, A. Bergman	Chemosphere, 75, 78-82 (2009)	2009	China	C18	
AP1289	Use of liquid chromatography/tandem mass spectrometric molecular fingerprinting for the rapid structural identification of pharmaceutical impurities	M.Li, X. Wang, B. Chen, M. Lin, A.V. Buevich, T. Chan, A.M. Rustum	Rapid Communications in Mass Spectrometry, 23, 3533-3542 (2009)	2009	US	C18	3um, 150 x 4.6
AP1290	Development and validation of a stability-indicating RP-HPLC method for assay of alphas-methylpexoxide and estimation of its related compounds	K.P. Xiao, F.Z. Liu, Y. Xiong, A.M Rustum	Journal of Chromatographic Science, 47, 378-386 (2009)	2009	US	C18	3um, 150 x 4.6
AP1291	Patterns of resource use by milkweed insects in Sinai	S.M. Elbanna, S.M. Zalut, F. Gilbert, S. Elliott, D.M. Shuker	Egyptian Journal of Biology, 11, 58-70 (2009)	2009	Egypt	C18	
AP1292	Determination of individual homologues and total content of benzalkonium chloride by reversed-phase high-performance liquid chromatography using a short butyl column	F. Liu, K.P. Xiao, A.M. Rustum	J. of AOAC Int., 92 (6), 1644-1651 (2009)	2009	US	C4	5um, 50 x 4.6
AP1293	Robustness evaluation of the chromatographic method for the quantitation of lumefantrine using Youden's test	I. da costa Cesar, G.A. pianetti	Braz. J. Pharm. Sci., 45 (2), 235-240 (2009)	2009	Brazil	C18	5um, 250 x 4.6
AP1294	Photochemical decomposition of dissolved hydroxylated polybrominated diphenyl ethers under various aqueous conditions	P.M. Bastos, J. Eriksson, A. Bergman	Chemosphere, 77, 791-797 (2009)	2009	Sweden	C18	5um, 250 x 4.6
AP1295	Roles of rat renal organic anion transporters in transporting perfluorinated carboxylates with different chain lengths	Y.M. Weaver, D.J. Ehresman, J.L. Butenhoff, B. Hagenbuch	Toxicological Sciences 113 (2), 305-314 (2010)	2010	US	C18	5um, 100 x 2.1
AP1296	Chromatographic behaviour of ionic liquid cations in view of quantitative structure-retention relationship	M. Molikova, M.J. Markuszewski, R. Kaliszan, P. Jandera	J. Chrom. A, 1217, 1305-1312 (2010)	2010	Poland	C18	5um, 150 x 4.6
AP1297	Synthesis, characterization and free radical scavenging properties of rosmarinic acid fatty esters	J. Lecomte, L.J.L. Giraldo, M. Laguerre, B. Barea, P.	J. Am. Oil Chem. Soc., 2010	2010	Francee	C18	5um, 250 x 4.6
AP1298	Pharmacokinetic profile in relation to anaesthesia characteristics after a 5% micellar microemulsion of propofol in the horse	P. Boscan, M.L. Rezende, K. Grimsrud, S.D. Stanley, K.R.	British Journal of Anaesthesia, (2010)	2010	US	C18	3um, 100 x 2.1

AP1299	Changes in chemical constituents and polyphenol oxidase activity of tea leaves with shoot maturity and cold storage	H. Olmez, A. Yilmaz	Journal of Food Processing and Preservation, 34, 653-665 (2010)	2010	Turkey	C18	5um, 250 x 4.6
AP1300	A single RP-LC method for the determination of benzaikonium chloride and its potential impurities in benzaikonium chloride raw material	M. Santos, M. Li, A.M. Rustum	Chromatographia, Jan 2010	2010	US	C8	3um, 50 x 4.6
AP1301	Discovery of dipeptides with high affinity to the specific binding site for Substance P ₁₋₇	R. Fransson, M. Botros, C. Skold, F. Nyberg, G. Lindeberg, M. Hallberg, A. Sandstrom	J. Med. Chem. 2010, 53 (6) 2383-9	2010	Sweden	C18	5um, 50 x 4.6
AP1302	Development and validation of a stability-indicating RP-HPLC method for assay of betamethasone and estimation of its related compounds	Q. Fu, M. Shou, D. Chien, R. Markovich, A.M. Rustum	J. Pharm. and Biomed. Anal., 51, 617-625 (2010)	2010	US	C18	3um, 150 x 4.6
AP1303	The positively charged region of the myosin IIC non-helical tailpiece promotes filament assembly - correction update available	D. Ronen, M.M. Rosenberg, D.E. Shalev, M. Rlosenberg, S. Rotem	J. Biol. Chem., 285, 7079-7086 (2010)	2010	Israel	C8	(semi-prep?)
AP1304	A validated method for analysis of Swerchirin in <i>Swertia longifolia</i> Boiss. By high performance liquid chromatography	M. Shekarchi, H. Hajimehdipoor, M. Khanavi, N. Adib, M.	Pharmacognosy Magazine, 6 (21), 13-18 (2010)	2010	Iran	C18	5um, 250 x 4.6
AP1305	Determination of ramipril in pharmaceutical preparations by high performance liquid chromatography	B. Yilmaz	Int. J. Pharm. Sci. Review and Research, 1(1), 39-42 (2010)	2010	Turkey	C18	5um, 250 x 4.6
AP1306	The retention behaviour of loratadine and its related compounds in ion pair reversed phase HPLC	J. Lu, Y. Wei, R. Markovich, A. Rustum	J. Liq. Chrom & rel Techniques, 33 (5), 603-614 (2010)	2010	US	C18	3um, 150 x 4.6
AP1307	Reverse phase HPLC method for determination of nebivolol in pharmaceutical preparations	B. Yilmaz	Int. J. Pharm. Sci. Review and Research, 1(2), 11-17 (2010)	2010	Turkey	C18	5um, 250 x 4.6
AP1308	Comparative bioavailability of a generic and two compounded naproxen sodium suspensions administered to rats	L.G. da Silva Solon, G.B.C. Guerra, A.A. de Ataujo, J.M. Barichello, J. Perez-Urizar,	J. Bioanal. and Biomedicine, 2 (2), 48-54 (2010)	2010	Brazil	C18	5um, 150 x 4.6
AP1309	An LC-ESI/MS method for determining theanine in green tea dietary supplements	M. Bedner, L.C. Sander, K.E. Sharpless	Anal. Bioanal. Chem., 397 (5), 1773-1777 (2010)	2010	US	C18	3um, 150 x 3.0
AP1310	Changes of contents of polyphenols and vitamin A of organic and conventional fresh and dried apricot cultivars (<i>Prunus armeniaca</i> L.)	T. Kan, S.Z. Bostan	World Journal of Ag. Sci. 6 (2), 120-126 (2010)	2010	Turkey	C18	5um, 250 x 4.6
AP1311	The cyclotide cycloviolacin O2 from <i>Viola odorata</i> has potent bactericidal activity against gram-negative bacteria	M. Pranting, C. Loov, R. Burman, U. Goransson, D.I.	J. Antimicrob. Chemother. 2010	2010	Sweden	C18-300	5um, 250 x 10
AP1312	Aspects of the 'Design Space' in high pressure liquid chromatography method development	I. Molnar, H.J. Rieger, K.E. Monks	J. Chrom. A, 1217, 3193-3200 (2010)	2010	Germany	C18	3um, 150 x 4.6
AP1313	Investigation of an amoxicillin oxidative degradation product formed under controlled environmental conditions	I. Gozlan, A. Rotstein, D. Avisar	Environ. Chem., 7, 435-442 (2010)	2010	Israel	Phenyl	5um, 250 x 2.1
AP1314	Isochafetoside, a C-glycosylflavonoid from <i>Desmodium uncinatum</i> root exudates, is an allelochemical against the development of <i>Striga</i>	A.M. Hooper, M.K. Tsanuo, K. Chamberlain, K. Tittcomb, J. Scholes, A. Hassanali, Z.R.	Phytochemistry, 71, 904-908 (2010)	2010	UK	C18	5um, 250 x 10
AP1315	A photochemical study of diclofenac and its major transformation products	J. Eriksson, J. Svanfelt, L. Kronberg	Photochemistry and Photobiology, 86, 528-532 (2010)	2010	Finland	Phenyl	5um, 250 x 3.0
AP1316	A single-dose pharmacokinetic study of emamectin benzoate in cod, <i>Gadus morhua</i> L., held in sea water at 9° C	O.B. Samuelson	Journal of Fish Diseases, 33, 137-142 (2010)	2010	Norway	C18	3um, 150 x 4.6
AP1317	Glutathione pathway in ethylbenzene metabolism: Novel biomarkers of exposure in the rat	B. Cossec, F. Cosnier, M. Burgart, H. Nunge, S.	Chemosphere, 81, 1334-1341 (2010)	2010	France	C18-AR	
AP1318	High sensitivity method for determination of tetrabromobisphenol-S and tetrabromobisphenol-A derivative flame retardants in Great Lakes herring gull eggs by liquid chromatography - atmospheric pressure photoionization-tandem mass spectrometry	R.J. Letcher, S. Chu	Environ. Sci. Technol., 44, 8615-8621 (2010)	2010	Canada	C18	3um, 50 x 2.1
AP1319	Development and validation of spectrophotometric and high performance column liquid chromatographic methods for the simultaneous determination of dienogest and estradiol valerate in pharmaceutical preparations	M.G. Caglayan, I.M. Palabiyik, F. Onur	J. of AOAC Int., 93 (3), 862-868 (2010)	2010	Turkey	C8	5um, 250 x 4.6
AP1320	Pharmacokinetics and pharmacodynamics of LCZ696, a novel dual-acting angiotensin receptor-neprilysin inhibitor (ARNi)	J. Gu, A. Noe, P. Chandra, S. Al-Fayoumi, M. Ligueros-Saylan, R. Sarangapani, S. Maahs, G. ksander, D.F. Rigel, A.Y. jeng, T. Lin, W. Zheng,	J. Clin. Pharmacol., 50, 401-414 (2010)	2010	US	C18	5um, 50 x 2.1

AP1321	Elevation of sulfatides in ovarian cancer: An integrated transcriptomic and lipidomic analysis including tissue-imaging mass spectrometry	Y. Liu, Y. Chen, A. Momin, R. Shaner, E. Wang, N.J. Bowen, L.V. Matyunina, L.D. Walker, J.F. McDonald, M.C. Sullards, A.H. Merrill	Molecular Cancer, 9, 186, (2010)	2010	US	C18	5um, 20 x 2.1
AP1321	The development of dry plasma spot analysis and a comparison with dry blood spots and conventional plasma bioanalysis using methylene blue	S. Brookes, K. Woodmansey, I. Love	Chromatography Today, 36-39 (May/June 2010)	2010	UK	AQ	3um, 30 x 2.1
AP1323	Pharmacokinetic profile and behavioral effects of gabapentin in the horse	R.L. Terry, S.M. McDonnell, A.W. van EPS, L.R. Soma, Y. Liu, C.E. Uboh, P.J. Moate, B.	Veterinary Pharmacology and Therapeutics, 33, 485-494 (2010)	2010	US	C18	5um, 75 x 2.1
AP1324	Therapeutic evaluation of free and liposome-loaded furazolidone in experimental visceral leishmaniasis	A.G. Tempone, R.A. Mortara, H.F. de Andrade Jr, J.Q. Reimao	Int. J. Antimicrobial Agents, 36, 159-163 (2010)	2010	Brazil	C18	5um, 250 x 4.6
AP1325	Multivariate optimization and validation of a capillary electrophoresis method for the simultaneous determination of dextromethorphan hydrobromur, phenylephrine hydrochloride, paracetamol and chlorpheniramine maleate in a pharmaceutical preparation using response surface methodology	I.M. Palabiyik, F. Onur	Anal. Sci. 26, 853-859 (2010)	2010	Turkey	C18	5um, 250 x 4.6
AP1326	A validated high performance liquid chromatography method for the analysis of thymol and carvacrol in <i>Thymus vulgaris</i> L. volatile oil	H. Hajimehdipoor, M. Shekarchi, M. Khanavi, N. Adib, M. Amri	Pharmacognosy Magazine, 6 (23), 154-158 (2010)	2010	Iran	C18	5um, 250 x 4.6
AP1327	L-Valine ester of cyclopropavir - a new antiviral prodrug	Z. Wu, J.C. drach, M.N. Prichard, M, Yanachkova, T.L. Bowlin, J. Zemlicka	Antivir. Chem. Chemother. 20(1), 37-46 (2010)	2010	US	C18	5um, 150 x 4.6
AP1328	pH induced polychromatic UV treatment for the removal of a mixture of SMX, OTC and CIP from water	D. Avisar, Y. Lester, H. Mamane	J. Hazardous Materials, 175, 1068-1074 (2010)	2010	Israel	C18	5um, 250 x 2.1
AP1329	Inorganic and organic solutes in apoplastic and symplastic spaces contribute to osmotic adjustment during leaf rolling in <i>Ctenanthe setosa</i>	A. Saglam, R. Terzi, H. Nar, N. Saruhan, F.A. Ayaz, A. Kadioglu	Acta Biologica Cracoviensia Series Botanica 52 (1), 37-44 (2010)	2010	Turkey	C18	10um, 250 x 4.6
AP1330	Simultaneous determination of preservatives (sodium benzoate and potassium sorbate) in soft drinks and herbal extracts using high performance liquid chromatography (HPLC)	R. Khosrokhavar, N. Sadeghzadeh, M. Amini, M. Ghazi-Khansari, R. Hajiaghadee,	J. Med. Plants, 9 (35), 80-87 (2010)	2010	Iran	C18	5um, 250 x 4.6
AP1331	Degradation studies of highly potent and life threatening human birth defect drug - lenalidomide by HPLC and LC-MS	N.R. Raghu, Y.R. Reddy, V. Naresh, V. Suryanarayana, L.K.	J. Liquid Chrom. And Related Technologies, 33 (5), 654-679 (2010)	2010	India	C18	3um, 150 x 4.6
AP1332	Structural and biochemical characterization of peroxiredoxin Q β from <i>Xylella fastidiosa</i>	B.B. Horta, M.A. de Oliveira, K.F. Discola, J.R.R. Cussiol,	J. Biol. Chem., 285 (21), 16051-16065 (2010)	2010	Brazil	C18-HL	5um, 150 x 3.0
AP1333	Determination of ibuprofen in rabbit plasma by high-performance liquid chromatography	B. Yilmaz, A. Asci, S.S. Palabiyik	Kafkas Univ. Vet. Fak. Derg., 16 (6), 1005-1010 (2010)	2010	Turkey	C18	5um, 250 x 4.6
AP1334	HPLC method for determination of disulfiram in pharmaceutical preparations	B. Yilmaz, M. Cetin, S.S. Palabiyik, A. Asci	Alfa Universal, 1 (2), 79-86 (2010)	2010	Turkey	C18	5um, 250 x 4.6
AP1335	A stability-indicating reversed-phase high performance liquid chromatography method for simultaneous assay of two corticosteroids and estimation of their related compounds in a pharmaceutical injectable formulation	J. Lu, Y. wei, A.M. Rustum	J. Chrom. A, 1217, 6932-6941 (2010)	2010	US	C18	3um, 150 x 4.6
AP1336	Quantitative determination of BAF312, a S1P-R modulator, in human urine by LC-MS/MS: prevention and recovery of lost analyte due to container surface adsorption	W. Li, S. Luo, H.T. Smith, F.L.S. Tse	J. Chrom. B, 878, 583-589 (2010)	2010	US	C18	5um, 50 x 4.6
AP1337	Absorption, distribution, metabolism and excretion of ticagrelor in healthy subjects	R. Teng, S. Oliver, M.A. Hayes, K. Butler	Drug Metabolism and Disposition, 38 (9), 1514 (2010)	2010	Sweden	C18	3um, 150 x 4.6
AP1338	Determinants of plasma PFOA and PFOS levels among 652 Danish men	K.T. Eriksen, M. Sorensen, J.K. McLaughlin, A. Tjonneland, K.	Environ. Sci. Technol. 45, 19, 8137 - 8143 (2010)	2010	Denmark	C18	5um, 100 x 2.1
AP1339	Effect of antacids on the pharmacokinetics of raltegravir in human immunodeficiency virus-seronegative volunteers	J.K. Kiser, J.B. Bumpass, A.L. Meditz, P.L. Anderson, L. Bushmn, M. Ray, J.A. Predhomme, J. Rower, S.	Antimicrobial Agents and Chemotherapy, 4999-5003 (2010)	2010	US	C18	3um, 50 x 2.1
AP1340	Effect of temperature, wavelength, pH, ion pair reagents and organic modifiers' concentration on the elution of cystatin C. Stability of mobile phase	M.K. Fayyad, A.K. Misha, O.I. Y. Al-Musaimi	J. Anal. And Bioanal. Techniques, 1 (2010)	2010	Jordan	C8	5um, 150 x 4.6

AP1341	Evaluation of the relationship between a pharmaceutical compound's distribution coefficient, log D and adsorption loss to polypropylene in urine and CSF	E.P. Kadar, Y. Su, Y. Zhang, J. Tweed, C.E. Wujcik	Bioanalysis, 2 (4), 755-767 (2010)	2010	US	C18	3um, 30 x 2.1
AP1342	Peptides derived from the HIV-1 integrase promote HIV-1 infection and multi-integration of viral cDNA in LEDGF/p75-positive cells	A. Levin, Z. Hayouka, A. Friedler, A. Loyter	Virology Journal, 7, 177 (2010)	2010	Israel	C8	
AP1343	Temporal trends and pattern of polyfluoroalkyl compounds in tawny owl (<i>Strix aluco</i>) eggs from Norway, 1986-2009	L. Ahrens, D. Herzke, S. Huber, J.O. Bustnes, G. Bangjord, R. Ebinghaus	Environmental Science and Technology, 2010	2010	Norway	C18	3um, 150 x 2.1
AP1344	Analysis of thyroid hormones in raw and treated waste water	J. Svanfelt, J. Eriksson, L. Kronberg	J. Chrom. A, 1217, 6469-6474 (2010)	2010	Finland	Phenyl	5um, 125 x 2.1
AP1345	Analysis, distribution and dietary exposure of glyoxal and methylglyoxal in cookies and their relationship with other heat-induced contaminants	G. Arribs-Lorenzo, F.J. Morales	J. Agric. Food Chem., 58, 2966-2972 (2010)	2010	Spain	C18	5um, 250 x 4.6
AP1346	Africanized honey bee (<i>Apis mellifera</i>) venom profiling: Seasonal variation of melittin and phospholipase A2 levels	R.S.Ferreira Jnr, J.M. Sciani, R. Marques-Porto, A.Loureiro Jnr, R. Orsi, B. Barraviera, D.C.	Toxicol., 56, 355-362 (2010)	2010	Brazil	C8-300	3um, 100 x 2.1
AP1347	The relation between treatment outcome and efavirenz, atazanavir or lopinavir exposure in the NORTHIV trial of treatment-naïve HIV-1 infected patients	F. Josephson, M.C.H. Andersson, L. Flamholz, M. Gisslen, L. Hagberg, V. Ormaasen, A. Sonnerborg, J. Vesterbacka, Y.	Eur. J. Clin. Pharmacol., 66, 349-357 (2010)	2010	Sweden	C18	3um, 50 x 3.0
AP1348	Design and synthesis of potent and selective BACE-1 inhibitors	C. Bjorklund, S. pscarson, K. Benkenstock, N. Borkakoti, K. Jansson, J. Lindberg, L. Vrang,	J. Med. Chem., 53, 1458-1464 (2010)	2010	Sweden	C8	3um, 50 x 3.0
AP1349	Variability of phenolics, α -tocopherol and amygdalin contents of selected almond (<i>Prunus amygdalus</i> batsch.) genotypes	A.N. Yildirim, B. San, F. Koyuncu, F. Yildirim	Journal of Food, Agriculture & Environment 8 (1), 76-79 (2010)	2010	Turkey	C18	5um, 250 x 4.6
AP1350	A controlled and sustained local gentamicin delivery system for inner ear applications	L. Xu, J. Heldrich, H. Wang, T. Yamashita, S. Miyamoto, A. Li, C.E. Uboh, Y. You, D. Bigelow, M. Ruckenstein, B. O'Malley, D.	Otology and Neurotology, 2010	2010	US	C18	5um, 75 x 2.1
AP1351	Validated high-performance liquid chromatographic method for the determination of lamotrigine in human plasma and saliva	T. Inceciyir, I. Agabeyoglu	Turk. J. Pharm. Sci., 7 (3), 213-224 (2010)	2010	Turkey	C18	5um, 250 x 4.6
AP1352	High performance liquid chromatographic and first derivative of the ratio spectrophotometric determination of amlodipine and valsartan in their binary mixtures	D. Kul, B. Dogan-Topal, T. Kutucu, B. Uslu, S.A. Ozkan	Journal of AOAC International, 93 (3), 882-890 (2010)	2010	Turkey	C18	5um, 150 x 4.6
AP1353	In vitro and in vivo characterization of novel ¹⁸ F-labelled bombesin analogues for targeting GRPR-positive tumours	L. Mu, M. Honer, J. Becaud, M. Martic, P.A. Schubiger, S.M. Ametamey, T. Stelfeld, K.	Bioconjugate Chem., 21, 1864-1871 (2010)	2010	Switzerland	C18	3um, 50 x 4.6
AP1354	Determination of cisplatin 1,2-intrastrand guanine-guanine DNA adducts in human leukocytes by high-performance liquid chromatography coupled to inductively coupled plasma mass spectrometry	C.F. Harrington, R.C. Le Pla, G.D.D. Jones, A.L. Thomas, P.B. Farmer	Chem. Res. Toxicol., 23, 1313-1321 (2010)	2010	UK	C8	5um, 250 x 4.6
AP1355	LC/MS/MS study for identification of entacapone degradation product obtained by photodegradation kinetics	C.S. Paim, E.C. Palma, M.D. Malesuik, M. Steppe	Journal of AOAC International, 93 (5), (2010)	2010	Brazil	C18	5um, 250 x 4.6
AP1356	The fate of Gd and chelate following intravenous injection of gadodiamide in rats	G.M. Kindberg, S. uran, G. Friisk, I. Martinsen, T. Skotland	Eur. Radiol., 20, 1636-1643 (2010)	2010	Norway	AQ	3um, 150 x 4.0
AP1357	Synthesis of tritium labelled (R,R)-4-methoxyfenoterol	J.A.Kozocas, J.E. Bupp, M.J. Tanga, J.T. Pluhar, I.W. Wainer	J. Labelled Comp. Radiopharm. 53 (2), 68-72 (2010)	2010	US	C18	5um, 100 x 4.6
AP1358	Determination of metoprolol in rabbit plasma by high-performance liquid chromatography with fluorescence detection	B. Yilmaz	Analytical Chemistry - An Indian Journal, 9 (1), 17-21 (2010)	2010	Turkey	C18	5um, 250 x 4.6
AP1359	Development of a dissolution test for lamotrigine in tablet form using an ultraviolet method	M.T. Martins, C.S. Paim, M. Steppe	Brazilian Journal of Pharmaceutical Sciences, 46 (2), 170-182 (2010)	2010	Brazil	C18	5um, 150 x 4.6
AP1360	Identification of a novel melittin isoform from Africanized <i>Apis mellifera</i> venom	J.M. Scianti, R. Marques-Porto, A.L. Junior, R. de Oliveira Orsi, R.S. Ferriera Junior, B. Barraviera, D.C. Pimenta	Peptides, 31, 1473-1479 (2010)	2010	Brazil	C8-300	3um, 100 x 2.1
AP1361	5-Dimensional retention modeling of gradient time, ternary solvent-strength and temperature of the reversed-phase gradient liquid chromatography of a complex mixture of 22 basic and	M.R. Euerby, G. Schad, H. Rieger, I. Molnar	Chromatography Today, 13-20, December 2010	2010	UK	C18	3um, 150 x 4.6

AP1362	Relative bioavailability of two formulations of venlafaxine extended-release 75mg capsules in healthy Brazilian male volunteers: A single-dose, randomized-sequence, open-label, two-period crossover study in the fasting and fed states	J. Filho, F. Bonifacio, D. Bedor, V. Ramos, C. de Sousa, L. sardon, T. Goncalves, R. Moreira, L. Leal, D. de Santana	Clinical Therapeutics, 32 (12), 2088–2096 (2010)	2010	Brazil	C8	5um, 50 x 4.6
AP1363	Turbulent flow chromatography TFC-tandem mass spectrometry supporting in vitro/vivo studies of NCEs in high throughput fashion	M. Verdirame, M. veneziano, A. Alfieri, A. di Marco, E. Mazzanti, R. B. Di Biase	J. Pharm. Biomed. Anal., 51, 834–841 (2010)	2010	Italy	C18	5um, 50 x 4.6
AP1364	Perfluorinated compounds in infiltrated river Rhine water and infiltrated rain water in coastal dunes	C. Eschauzier, J. Haftka, P. J. Stuyfzand, P. deVoogt	Poster	2010	etherlands	C18–300	3um
AP1365	Simultaneous determination of polyether ionophores, macrolides and lincosamides in hen eggs by liquid chromatography-electrospray ionization tandem mass spectrometry using a simple solvent extraction	B.F. Spisso, R.G. Ferreira, M.U. Pereira, M.A. Monteiro, T.A. Cruz, R. P. da Costa, A.M.B. Lima, A.W. da Nobrega	Analytica Chimica Acta, 682, 82–92 (2010)	2010	Brazil	C18	3um, 50 x 2.1
AP1366	Species-specific metabolism of SGX523 by aldehyde oxidase and the toxicological implications	S. Diamond, J. Boer, T.P. Maduskuie, N. Falahatpisheh, Y. Li, S. Yeleswaram	Drug Metabolism and Disposition, 38 (8), 1277–1285 (2010)	2010	USA	C18	3um, 150 x 4.6
AP1367	Differential subcellular recruitment of monoacylglycerol lipase generates spatial specificity of 2-arachidonoyl glycerol signaling during axonal pathfinding	E. Keimpeme, K. Barabas, Y.M. Morozov, G. Tortoriello, M. Torii, G. Cameron, Y. Yanagawa, M. Watanabe, K. Mackie, T.	J. Neuroscience, 30 (42), 13992–14007 (2010)	2010	UK	C8	5um, 150 x 2.1
AP1368	Stress degradation studies and kinetic determinations of duloxetine enteric-coated pellets by HPLC	P. Gomes, N.R. Wingert, C.S. Paim, E. Schapioval, M. Steppe	J. of AOAC Int, 93 (6), 1829–1835 (2010)	2010	Brazil	C18	5um, 250 x 4.0
AP1369	Pilot survey of hen eggs consumed in the metropolitan area of Rio de Janeiro, Brazil, for polyether ionophores, macrolides and lincosamides residues	B.F. Spisso, M.U. Pereira, R.G. Ferreira, M.A. Monteiro, R. P. da Costa, T.A. Cruz, A.W. da	Food Additives and Contaminants: Part B, 3 (4), 212–219 (2010)	2010	Brazil	C18	3um, 50 x 2.1
AP1370	Thermally induced intramolecular oxygen migration of N-oxides in atmospheric pressure chemical ionization mass spectrometry	X. Wang, M. Li, A.M. Rustum	Rapid Communications in Mass Spectrometry, 24, 2805–2811 (2010)	2010	US	C8	3um, 150 x 4.6
AP1371	Possible mechanism for the foodweb transfer of covalently bound microcystins	J.L. Smith, K.L. Schulz, P.V. Zimba, G.L. Boyer	Ecotoxicology and Environmental Safety, 73, 757–761 (2010)	2010	US	C18	
AP1372	Screening for PFOS and PFOA in European air using passive samplers	C. Chaemfa, J.L. Barber, S. Huber, K. Breivik, K.C. Jones	J. Environ. Monit., 12, 1100–1109 (2010)	2010	UK	C18	3um, 150 x 2.1
AP1373	Impact of industrial processing and storage on major polyphenols and the antioxidant capacity of tropical highland blackberry (<i>Rubus adenotrichus</i>)	A. Gancel, A. Feneuil, O. Acosta, A.M. Perez, F. Vaillant	Food Research International, 2010	2010	France	C18	3um, 125 x 2.1
AP1374	Profiling of lipids in Leishmania donovani using hydrophilic interaction chromatography in combination with Fourier transform mass spectrometry	L. Zheng, R. T'Kind, S. Decuypere, S. J. Von Freyend, G.H. Coombs, D.G. Watson	Rapid Communications in Mass Spectrometry, 24, 2074–2082 (2010)	2010	UK	C4	3um, 150 x 3.0
AP1375	In vitro anti-leukemic activity of the ethno-pharmacological plant Scutellaria orientalis ssp. Carica endemic to western Turkey	A. Ozmen, S. Madlener, S. Bauer, S. Krasteva, C. Vonach,	Phytomedicine: Int. J. Phytotherapy &	2010	Turkey	C18	3um, 150 x 3.0
AP1376	Determination of deoxynivalenol in organic and conventional food and feed by sol-gel immunoaffinity chromatography and HPLC-UV detection	C. Klinglmayr, K. Nobauer, E. Razzazi-Fazeli, M. Cichna-Markl	J. Chrom. B, 878, 187–193 (2010)	2010	Austria	C18	3um, 150 x 2.1
AP1377	In vitro hepatic metabolism of cediranib, a potent vascular endothelial growth factor tyrosine kinase inhibitor: Interspecies comparison and human enzymology	T. Schulz-Utermoehl, M. Spear, C.R.J. Pollard, C. Pattison, H. Rollosen, S. Sarda, M. Ward, N.	Drug Metabolism and Disposition, 38 (10), 1688–1697 (2010)	2010	UK	AQ	5um, 150 x 4.6
AP1378	Combined NMR and LC-MS analysis reveals the metabonomic changes in Salvia miltiorrhiza bunge induced by water depletion	H. Dai, C. Xiao, H. Liu, H. Tang	J. Proteome Research, 9, 1460–1575 (2010)	2010	China	C18-HL	5um, 250 x 4.6
AP1379	Combined NMR and LC-DAD-MS analysis reveals comprehensive metabonomic variations for three phenotypic cultivars of Salvia miltiorrhiza bunge	H. Dai, C. Xiao, H. Liu, F. Hao, H. Tang	J. Proteome Research, 9, 1565–1578 (2010)	2010	China	C18-HL	5um, 250 x 4.6
AP1380	Brain serotonin transporter occupancy by oral sibutramine dosed to steady state: A PET study using 11C-DASB in healthy humans	P.S. Talbot, S. Bradley, C.P. Clarke, K.O. Babalola, A.W. Philipp, G. Brown, A.W. McMahon, J.C. Matthews	Neuropsychopharmacology, 35, 741–751 (2010)	2010	UK	C18-HL	3um, 150 x 4.6

AP1381	Gal d 6 is the second allergen characterized from egg yolk	A. Amo, R. Rodriguez-perez, J. Blanco, J. Villota, S. Juste, I. Moneo, M.L. Caballero	J. Agric. Food Chem., 58, 7453-7457 (2010)	2010	Spain	C4-300	5um, 250 x 4.6
AP1382	Quantitative determination of oxytocin receptor antagonist atosiban in rat plasma by liquid chromatography-tandem mass spectrometry	V. Kannan, D. Gadamsetty, M. Rose, S. Maria, I. Mustafa, A. Khedkar, N. Dave, M. Arumugam, H. Iyer	J. Chrom B, 878, 1069-1076 (2010)	2010	India	C18	5um, 50 x 4.6
AP1383	A high performance liquid chromatographic assay for formoterol in bulk drug and its pharmaceutical dosage forms	S.A. Raju, M. Gousuddin, Sultanuddin, S. Manjunath	International Journal of Biomedical and Advance Research, 2 (1), 18-24 (2010)	2010	India	C8	5um, 150 x 4.6
AP1384	The antibacterial ent-eusynstyelamide B and eusynstyelamides D, E and F from Arctic Bryozoan <i>Tegella cf. spitzbergensis</i>	M. Tadesse, J.N. Tabudravu, M. Jaspars, M. Strom, E. Hansen,	Journal of Natural Products, 74 (4), 837-841 (2011)	2011	Norway	C18-HL	5um, 250 x 10
AP1385	Fluconazole-induced intoxication with phenytoin in a patient with ultra-high activity of CYP2C9	A. Hellden, U. Bergman, K.E. Hellgren, M. Masquelier, I.N. Remahl, I. Odar-Cederlof, M. Ramsjo, L. Bertilsson	Eur. J. Clin. Pharmacol.66, 791-795 (2010)	2010	Sweden	C18	3um, 50 x 3.0
AP1386	Temporal trends of perfluorinated surfactants in Swedish peregrine falcon eggs (<i>Falco peregrinus</i>), 1974-2007	K.E. Holmstrom, A. Johansson, A. Bignert, P. Lindberg, U.	Environ. Sci. Technol. 44, 4083-4088 (2010)	2010	Sweden	C18	3um, 150 x 2.1
AP1387	Characterisation of black ginseng abstract with acetyl- and butyrylcholinesterase inhibitory and antioxidant activities	B.S. Yun, M.R. Lee, C.J. Oh, J.H. Cho, C.Y. Wang, L.J. Gu, E.K. Mo, C.K. Sung	J. Ginseng Research, 34 (4), 348-354 (2010)	2010	Korea	C18	5um, 250 x 4.0
AP1388	Cooked blueberries: Anthocyanin and anthocyanidin degradation and their radical-scavenging activity	C. Oliveira, L.F. Amaro, O. Pinho, I.M.P.L.V.O. Ferreira	J. Agric. Food Chem., 58, 9006-9012 (2010)	2010	Portugal	C18	5um, 250 x 4.6
AP1389	Selective $\alpha 7$ nicotinic acetylcholine receptor agonists worsen disease in experimental colitis	S. Snoek, M.I. Verstege, E. Van der Zanden, N. Deeks, D.C. Bulmer, M. Skynner, K. Lee, A. Te Velde, G.E. Boeckxstaens,	Brit. J. Pharmacol., 160, 322-333 (2010)	2010	Netherlands	C18	3um, 50 x 4.6
AP1390	Development and validation of a sensitive and rapid method to determine naratriptan in human plasma by LC-ESI-MS-MS: Application to a bioequivalence study	M. Yadav, C. Patel, M. Patel, T. Mishra, G.A. Baxi, P. Singhal, P.S. Shrivastav	J. Chrom. Sci., 49, 1-7 (2011)	2011	India	C18	5um, 50 x 2.1
AP1391	Study and development of reversed-phase HPLC systems for the determination of 2-imidazolines in the presence of preservatives in pharmaceutical preparations	C.G. Antoniou, C.K. Markopoulou, M.G.Kouskoura, J.E. Koundourellis	J. AOAC Int., 94 (3), (2011)	2011	Greece	C18	5um, 150 x 4.6
AP1392	Liquid chromatographic and spectrophotometric determination of diflucortolone valerate and isconazole nitrate in creams	E. Karacan, M.G. Caglayan, I.M. Palabiyik, F. Onur	J. of AOAC Int., 94 (1), 128-135 (2011)	2011	Turkey	C18	5um, 250 x 4.6
AP1393	Ecdysteroids from <i>Chenopodium quinoa</i> Willd., an ancient Andean crop of high nutritional value (supplementary info available)	S. Kumpun, A. Maria, S. Crouzet, N. Evrard-Todeschi, J.	Food Chemistry, 125, 1226-1234 (2011)	2011	France	C18	5um, 150 x 4.6
AP1394	Pharmacokinetics of amantadine in cats	K.T. Siao, B.H. Pypendop, S.D. Stanley, J.E. Ilkiw	J. Vet. Pharmacol. Therap. (2011)	2011	US	C18	3um, 100 x 2.1
AP1395	Water-to-air transfer of perfluorinated carboxylates and sulfonates in a sea spray simulator	M. Reth, U. Berger, D. broman, I.T. Cousins, E.D. Nilsson, M.S. McLachlan	Environ. Chem., 8, 381-388 (2011)	2011	Sweden	C18	3um, 150 x 2.1
AP1396	Twenty years of temporal change in perfluoroalkyl sulfonate and carboxylate contaminants in herring gull eggs from the Laurentian Great Lakes	W.A. Gebbink, R.J. Letcher, C.E. Hebert, D.V.C. Weseloh	J. Environ. Monit., 13, 3365-3372 (2011)	2011	Canada	C18	3um, 50 x 2.1
AP1397	Perfluoroalkyl carboxylates and sulfonates and precursors in relation to dietary source tracers in the eggs of four species of gulls (Larids) from breeding sites spanning Atlantic to Pacific Canada	W.A. Gebbink, R.J. Letcher, N.M. Burgess, L. Champoux, J.E. Elliott, C.E. Hebert, P. Martin, M. Waylnd, D.V.- C. Weseloh, L.	Environmental International, 37, 1175-1182 (2011)	2011	Canada	C18	3um, 50 x 2.1
AP1398	Detection of oxytetracycline residue in infant formula by high performance liquid chromatography	R. Khosrokhavar, M. Hosseini, S. Shoeibi, B. Jannat	Iranian J. Pharm. Res., 10(2), 221-224 (2011)	2011	Iran	C18	5um, 250 x 4.6
AP1399	Liquid chromatography/tandem mass spectrometry analysis of long-chain oxidation products of cardiolipin induced by the hydroxyl radical	E. Maciel, P. Domingues, M.R.M. Domingues	Rapid Commun. Mass Spectrom., 25, 316-326 (2011)	2011	Portugal	C18-AR	3um, 150 x 1.0
AP1400	A validated stability-indicating liquid-chromatographic method for ranitidine hydrochloride in liquid oral dosage form	N. Sharma, S.S. Rao, N.D.A. Kumar, P.S. Reddy, A.M. Reddy	Scientia Pharmaceutica (2011)	2011	India	C18	3um, 100 x 4.6

AP1401	Pharmacokinetics of oxymorphone in cats	K.T. Siao, B.H. Pypendop, S.D. Stanley, J.E. Ilkiw	J. Vet. Pharmacol. Therap. (2011)	2011	US	C18	3um, 100 x 2.1
AP1402	A simple HPLC-UV method for the deremination of lacosamide in human plasma	Higuet, S. Dell'Aiera, L. Staelens, P. Boulanger, H. Boekens, S. Smith	Bioanalysis, 3 (22), 2515-2522 (2011)	2011	US	C18-AR	3um, 150 x 2.1
AP1403	Drug product development and pharmacological evaluation of a sparingly soluble novel camptothecin analog for peroral administration	V. Nekkaanti, P. Karatgi, S. Paruchuri, R. Pillai	Drug Delivery, 1-10 (2011)	2011	India	Phenyl	5um, 250 x 4.6
AP1404	Quantitation of glucosamine sulfate in plasma by HPLC-MS/MS after administration of powder for oral solution formulation	Cardosa, I.M. Mundim, L. Teixeira, K.R. rezende, E. Da Silva, S.A. Gomes, V.A. de Sousa, R.R. Bonfim, G.A. Pianetti	Biomedical Chromatography, 26, 851-856 (2012)	2011	Brazil	CN	5um, 150 x 4.6
AP1405	Pharmacokinetic and bioequivalence study evaluating a new paracetamol/caffeine formulation in healthy volunteers	D.J. Liu, M. Kotler, S. Sharples	J. Bioequiv. Availability, 3 (11), 251-257 (2011)	2011	US	C18	5um, 50 x 3.0
AP1406	Synthesis and biological evaluation of a polyglutamic acid-dopamine conjugate: A new antiangiogenic agent	Satchi-Fainaro, H.M.I. Osborn, F. Greco	J. Med. Chem., (2011)	2011	UK	C18-300	5um, 250 x 4.6
AP1407	Impairment of nitrergic system and delayed gastric emptying in low density lipoprotein receptor deficient female mice	A.B. Hale, S. Mukhopadhyay, K.M. Channon, K. Ravella	Neurogastroenterology Motil., 23, 773-783 (2011)	2011	US	C18	
AP1408	Ergosedmine, a new peptide ergot alkaloid (ergopeptine) from the ergot fungus, Claviceps purpurea parasitizing Calamagrostis arundinacea	S. Uhlig, D. Petersen, E. Rolén, W. Egge-Jacobsen, T. Vralstad	Phytochemistry Letters 4, 79-85 (2011)	2011	Norway	Phenyl	5um, 250 x 7.5
AP1409	Synthesis of 5-bromomethylfurfural from cellulose as a potential intermediate for biofuel	N. Kumari, J.K. Olesen, C.M. Pedersen, M. Bols	Eur. J. Org. Chem., 1266-1270 (2011)	2011	Denmark	C18	n/a
AP1410	Pro-inflammatory effects of the aqueous extract of Echinometra lucunter sea urchin spines	J.M. Sciani, P.C. Zychar, L.R. Goncalves, T. Nogueira, R. Ghed D.C. Bentes	Experimental Biology and Medicine, (2011)	2011	Brazil	C18	5um, 50 x 4.6
AP1411	Antioxidant capacities and total phenolic contents increase with gamma irradiation in two types of Malaysian honey	S.Z. Hussein, K.M. Yusoff, S. Makpol, Y.A.M. Yusof	Molecules, 16, 6378-6395 (2011)	2011	Malaysia	C18	5um, 250 x 4.6
AP1412	Disposition and metabolism of ticagrelor, a novel P2Y12 receptor antagonist, in mice, rats and marmosets	Y. Li, C. Landquist, S.W. Grimm	Drug Metabolism and Disposition, 39 (9), 1555-1567 (2011)	2011	US	C18	5um, 150 x 4.6
AP1413	Acetaminophen pharmacokinetics in children with nonalcoholic fatty liver disease	N.J. Barshop, E.V. Capparelli, C.B. Sirlin, J.B. Schwimmer, J.E.	Journal of Pediatric Gastroenterology and Nutrition, (2011)	2011	US	C18	5um, 150 x 4.6
AP1414	¹⁸ F-Labelled bombesin analog for specific and effective targeting of prostate tumours expressing gastrin-releasing peptide receptors	M. Honer, L. Mu, T. Stellfeld, K. Graham, M. Martic, C.R. Fischer, L. Lehmann, P.A. Schubiger, S.M. Ametamey, L. Dinkelborg, A. Srinivasan, S. Borkowski	The Journal of Nuclear Medicine, 52 (2), 270-278 (2011)	2011	Switzerland	C18	3um, 50 x 4.6
AP1415	LC and UV methods for lamotrigine determination in pharmaceutical formulation	M.T. Martins, C.S. Paim, M. Steppe	Chromatography Research International, 2011	2011	Brazil	C18	5um, 150 x 4.6
AP1416	Mass defect filter - A new tool to expedite screening and dereplication of natural products and generate natural product	Z-M. Gu, L-Q. Wang, J. Wu	The Natural Products Journal, 1, 135-145 (2011)	2011	China	C18	3um, 150 x 4.6
AP1417	Validation of a novel LC-MS/MS method for the quantitation of colistin A and B in human plasma	Y. Dotsikas, C.K. Markopoulou, J.E. Koundourellis, Y.L. Loukas	J. Sep. Sci., 34, 37-45 (2011)	2011	Greece	C18	5um, 150 x 4.6
AP1418	Evaluation of coupling reversed phase, aqueous normal phase and hydrophilic interaction liquid chromatography with orbitrap mass spectrometry for metabolomics studies of human urine	T. Zhang, D.J. Creek, M.P. Barrett, G. Blackburn, D.G. Watson	Analytical Chemistry, 84, 1994-2001 (2012)	2012	UK	C18	
AP1419	H3 lysine 4 is acetylated at active gene promoters and is regulated by H3 lysine 4 methylation	B. Guillemette, P. Drogaris, H.S. Lin, H. Armstrong, K. Hiragami	PLOS Genetics, 7 (3) (2011)	2011	UK	C8-300	5um, 150 x 4.6
AP1420	Edible mushrooms as potential sources of new hypocholesterolemic compounds	Gil-Ramirez, C. Clavijo, M. Palanisamy, C. Soler-Rivas, A. Ruiz-Rodriguez, F.R. Marin, G. Reglero, M. Perez	Proc. 7 th Int. Conf. On Mushroom Biology and Mushroom Products (ICMBMP7) 110-119 (2011)	2011	Spain	C18-AR	3um, 150 x 4.6
AP1421	Distribution of Flunixin Meglumine and Firocoxib into Aqueous Humor of Horses	H. G. Hilton, K. G. Magdesian, A. D. Groth, H. Knych, S. D. Stanley, S. R. Holligsworth	J. Vet. Intern. Med., 25, 1127-1133 (2011)	2011	USA	C18	10 x 2.1
AP1422	LC-MS/MS assay for olanzapine in human plasma and its application to a bioequivalence study	D. S. Patel, N. Sharma, M. C. Patel, B. N. Patel, P. S. Shrivastav, M. Sanyal	Acta Pharmaceutica Sinica B, 2 (5) 481-494, 2012	2011	India	C18 (300 A)	5um, 100 x 4.6

AP1423	Molecular hijacking of siroheme for the synthesis of heme and d ₁ heme	S. Bali, A.D. Lawrence, S.A Lobo, L.M. saraiva, B.T. Golding, D.J. Palmer, M.J. Howard, S.J. Ferguson, M.J. Warren	PNAS, 108 (45), 18260-18265 (2011)	2011	UK	AQ	5um, 150 x 2.1
AP1424	Metabolic profiling of biomarkers of liver X receptor-induced toxicity in mouse liver tissue	L. MacIntyre, L. Zheng, P. Scullion, P. Keating, D.G.	Metabolomics, 7, 54-70 (2011)	2011	UK	SIL	3um, 150 x 3.0
AP1425	Sustained-release effervescent floating matrix tablets of baclofen: development, optimization and in vitro-in vivo evaluation in healthy human volunteers	Gande S., Rao YM.	DARU, 19 (3), 202-209 (2011)	2011	India	C18	5um, 250 x 4.6
AP1426	Nanofiltration process for the nutritional enrichment and refining of rice bran oil	I. Sereewatthanawut, I.I.R. Baptista, A.T. Boam, A. Hodgson, A.G. Livingston	Journal of Food Engineering, 102, 16-24 (2011)	2011	UK	C18-300	5um, 250 x 4.6
AP1427	Radiolabelling of peptides for PET, SPECT and therapeutic applications using a fully automated disposable cassette system	M. Petrik, P.A. Knetsch, R. Knopp, G. Imperato, M. Ocak, E. von Guggenberg, R. Haubner, R. Silbernagl, C. Decristoforo	Nuclear Medicine Communications, 32 (10), 887-895 (2011)	2011	Austria	C18	3um, 150 x 3.0
AP1428	In vitro studies to assess the antidiabetic, anticholinesterase and antioxidant potential of <i>Spergularia rubra</i>	J. Vinholes, C. Grosso, P.B. Andrade, A. Gil-Izquierdo, P. Valentao, P. Guede de Pinho, F. Ferreres	Food Chemistry, 129, 454-462 (2011)	2011	Portugal	C18-AR	3um, 150 x 4.6
AP1429	Degradation of aflatoxin B1 in various foods by <i>Nocardia corynebacterioides</i> (Flavobacterium aurantiacum) NRRL B-184	B. Zorlugenc, I.B. Evliya	Muhendislik Bilimleri Dergisi 26 (2), 193-203 (2011)	2011	Turkey	C18	5um, 250 x 4.6
AP1430	Disposition, metabolism and mass balance of [14C] apremilast following oral administration	M. Hoffmann, G. Kumar, P. Schafer, D. Cedzik, L. Capone, K. Fong, Z. Gu, D. Heller, H. Feng, S. Surapaneni, O. Laskin,	Xenobiotica, 41 (12), 1063-1075 (2011)	2011	USA	C18	3um, 150 x 4.6
AP1431	Analysis of imatinib in bone marrow and plasma samples of chronic myeloid leukaemia patients using solid phase extraction	Z. Iqbal, M. Elliott, D.G. Watson, T. Holyoake, H. Jorgensen	Pakistan Journal of Pharmaceutical Sciences, 24 (3),	2011	UK	C8	3um, 50 x 3.0
AP1432	Biochemical biomarkers in Nile tilapia (<i>Oreochromis niloticus</i>) after short-term exposure to diesel oil, pure biodiesel and biodiesel blends	L. Nogueira, A.L. Sanches, D.G. da Silva, V.C. Ferrizi, A.B. Moreira, E.A. de Almeida	Chemosphere, 85, 97-105 (2011)	2011	Brazil	C18	5um, 250 x 4.6
AP1433	Blood matrix effects for male and female Wistar rats, in simultaneous HPLC-UV determination of riparin I and III from <i>Aniba riparia</i> (Nees) Mez. (Lauraceae)	S. Golzio dos Santos, K.F. Queiroga, A.M. Fernandes de Oliveira, J.F. Tavares, S.J.C. Gutierrez, M. de Fatima Formiga Melo Diniz, J.M. Barbosa-Filho,	Talanta, 86, 233-240 (2011)	2011	Brazil	C18	5um, 250 x 4.6
AP1434	Biological and clinical significance of anti-Mullerian hormone determination in blood serum of the mare	J. Almeida, B.A. Ball, A.J. Conley, N.J. Place, I.K.M. Liu, E.L. Scholtz, L. Mathewson, S.D. Stanley, B.C. Moeller	Theriogenology, 76, 1393-1403 (2011)	2011	USA	C18	
AP1435	Cloning, soluble expression and purification of high yield recombinant hGMCSF in <i>Escherichia coli</i>	K.M.P. Das, S. Banerjee, N. Shekhar, K. Damodaran, R. Nair,	Int. J. Mol. Sci. 12, 2064-2076 (2011)	2011	India	C18	5um, 150 x 4.6
AP1436	The hydrophilic interaction like properties of some reversed phase high performance liquid chromatography columns in the analysis of basic compounds	N.F. Al-Tannak, S. Bawazeer, T.H. Siddiqui, D.G. Watson	J. Chrom. A, 1218, 1486-1491 (2011)	2011	UK	CN, Phenyl, C4, C18, SIL	3um, 150 x 3.0
AP1437	Approach to the study of C-glycosyl flavones acylated with aliphatic and aromatic acids from <i>Spergularia rubra</i> by high performance liquid chromatography-photodiode array detection/electrospray ionization multi-stage mass spectrometry	F. Ferreres, A. Gil-izquierdo, J. Vinholes, C. Grosso, P. Valentao, P.B. Andrade	Rapid Commun. Mass Spectrom., 25, 700-712 (2011)	2011	Spain	C18-AR	3um, 150 x 0.5
AP1438	Application of extrinsic fluorescence spectroscopy for the high throughput formulation screening of aluminium-adjuvanted vaccines	S.F. Ausar, J. Chan, W. Hoque, O. James, K. Jayasundara, K. Harper	J. Pharm. Sci., 100 (2), 431-440 (2011)	2011	Canada	C4	n/a
AP1439	Pharmacokinetics of oxycodone in titi monkeys (<i>Callicebus spp.</i>) and rhesus macaques (<i>Macaca mulatta</i>)	K.R. Kelly, B.H. Pypendop, J.K. Grayson, S.D. Stanley, K.L. Christe, L.M. Summers, N.W.	Journal of the American Association for Laboratory Animal Science, 50 (2), 1-9 (2011)	2011	US	C18	3um, 100 x 2.1
AP1440	Simvastatin reduces steroidogenesis by inhibiting Cyp17a1 gene expression in rat ovarian theca-interstitial cells	I. Ortega, A.B. cress, D.H. Wong, J.A. Villanueva, A. Sokalska, B.C. Moeller, S.D. Stanley, A.J.	Biology of Reproduction, 86 (1) (2011)	2011	US	C18	3um, 100 x 2.1

AP1441	Separation, identification and quantitation of degradants of topotecan and its related impurities in topotecan injection by RP-HPLC and LC-MS	N.S. Raghu, Y.R. Reddy, V. Naresh, V.S. Rao	J. Liquid Chrom., 34, 548-578 (2011)	2011	India	C18	3um, 150 x 4.6
AP1442	Early detection of ovarian cancer in samples pre-diagnosis using CA125 and MALDI-MS peaks	J. Timms, U. Menon, D. Devetyarov, A. Tiss, S. Camuzeaux, K. McCurrie, I. Nouretdinov, B. Burford, C. Smith, A. Gentry-Maharaj, R. Hallett, J. Ford, Z. Luo, V. Vovk, A. Gammerman, R.	Cancer Genomics & Proteomics 8 (6), 289-305 (2011)	2011	UK	C18	3um, 150 x 2.1
AP1443	Biological stability of lactofermented beetroot juice during refrigerated storage	E. Klewicka, A. Czyzowska	Pol. J. Food Nutr. Sci., 61 (4), 251-256 (2011)	2011	Poland	C18	5um, 250 x 4.6
AP1444	High-throughput liquid chromatography - tandem mass spectrometric method for simultaneous quantification of carvedilol and its metabolite 4-hydroxyphenyl carvedilol in human plasma and its application to bioequivalence study	I.S. Chandiran, K.N. Jayaveera, R. Reddy	J. Chem. Pharm. Res., 3 (2), 341-353 (2011)	2011	India	C18	5um, 50 x 4.6
AP1445	Photochemical transformation of the thyroid hormone levothyroxine in aqueous solution	J. Svanfelt, J. Eriksson, L. Kronberg	Environ. Sci. Pollut. Res., 2011	2011	Finland	Phenyl	5um, 250 x 10
AP1446	A randomised trial to investigate the effects of acute consumption of a blackcurrant juice drink on markers of vascular reactivity and bioavailability of anthocyanins in human subjects	Y. Jin, D. Alimbetov, T. George, MH Gordon, JA Lovegrove	European Journal of Clinical Nutrition, 65, 849-856 (2011)	2011	UK	C18	5um, 150 x 4.6
AP1447	Electrocatalytic oxidation and determination of ceftriaxone sodium antibiotic in pharmaceutical samples on a copper hexacyanoferrate nanostructure	M.R. Majidi, K.Asadpour-Zeynali, B. Hafezi	Analytical Methods 3, 646-652 (2011)	2011	Iran	C18	3um, 100 x 4.6
AP1448	<i>In vitro</i> synthesis of biogenic amines by <i>Brochothrix thermosphacta</i> isolates from meat and meat products and the influence of other microorganisms	A. Nowak, A. Czyzowska	Meat Science 88, 571-574 (2011)	2011	Poland	C18	5um, 250 x 4.6
AP1449	Hydrophilic agarose macrobead cultures select for outgrowth of carcinoma cell populations that can restrict tumor growth	B.H. Smith, L.S. Gazda, B.L. Conn, K. Jain, S. Asina, D.M. Levine, T.S. Parker, M.A. Laramore, P.C. Martis, H.V. Vinerean, E.M. David, S. Oiu	Cancer Research, 71, 725-735 (2011)	2011	USA	C18	100 x 0.3
AP1450	Biomagnification of perfluorinated compounds in a remote terrestrial food chain: Lichen - caribou - wolf	C.E. Muller, A.O. de Silva, J. Small, M. Williamson, X. Wang, A. Morris, S. Katz, M. Gamberg, D.C.G. Muir	Environmemntal Science and Technology, 45, 8665-8673 (2011)	2011	Canada	C18	3um, 50 x 2.1
AP1451	Patchwork assembly of nag-like nitroarene dioxygenase genes and the 3-chlorocatechol degradation cluster for evolution of the 2-chloronitrobenzene catabolism pathway in Pseudomonas stutzeri ZWLR2-1	H. Liu, S-J. Wang, J-J. Zhang, H. Dai, H. Tang, N-Y. Zhou	Applied and Environmental Microbiology, 77 (13), 4547-4552 (2011)	2011	China	C18-HL	5um, 250 x 4.6
AP1452	Identification and quantification of arsenolipids using reversed-phase HPLC coupled simultaneously to high-resolution ICPMS and high-resolution electrospray MS without species-specific standards	K.O. Amayo, A. Petursdottir, C. Newcombe, H. Gunnlaugsdottir, A. Raab, E.M. Krupp, J. Feldmann	Anal. Chem. 83, 3589-3595 (2011)	2011	UK	C18	5um, 150 x 4.6
AP1453	HPLC method for determination of diclofenac in human plasma and its application to a pharmacokinetic study in Turkey	B. Yilmaz, A. Asci, S.S. Palabiyik	J. Chrom. Sci., 49, 422-427 (2011)	2011	Turkey	C18	5um, 250 x 4.6
AP1454	A validated HPLC method for the determination of octocrylene in solid lipid nanoparticle systems	M.S. Berkman, Y. Yazan	Pharmazie, 66, 105-110 (2011)	2011	Turkey	C18	5um, 250 x 4.6
AP1455	Implications of nitrogen compounds during alcoholic fermentation from some grape varieties at different maturation stages and cultivation systems	T. Garde-Cerdan, A.M. Martinez-Gil, C. Lorenzo, J.F. Lara, F. Pardo, M.R. Salinas	Food Chemistry, 124, 106-116 (2011)	2011	Spain	C18-HL	5um, 250 x 4.6
AP1456	A novel fluorescence-based assay for the rapid detection and quantification of cellular deoxyribonucleoside triphosphates	P.M. Wilson, M.J. LaBonte, J. Russell, S. Louie, A.A. Ghobrial, R.D. Ladner	Nucleic Acids Research, 1-15 (2011)	2011	US	C18	3um, 50 x 2.1
AP1457	Nutritional value of some wild edible mushrooms from Black Sea Region (Turkey)	F.A. Ayaz, H. Torun, A. Ozel, M. Col, C. Duran, E. Sesli, A. Colak	Turk. J. Biochem., 36 (3), 213-221 (2011)	2011	Turkey	C18	5um, 250 x 4.6
AP1458	Stability indicating HPLC method for determination of rimonabant	Y. Padmavathi, P.H. Krishna, B.M. Reddy	Int. J. Chem. Sci., 9(2), 481-488 (2011)	2011	India	C18	5um, 150 x 4.0

AP1459	Effect of pasteurization and storage on tetracycline levels in honey	F.Molino, R. Lazaro, C. Perez, S. Bayarri, L. Corredera, A. Herrera	Apidologie, 2011	2011	Spain	C18	5um, 250 x 4.0
AP1460	Inhibition of ochratoxin A production of <i>Aspergillus carbonarius</i> by yeast species	I. Var, Z. Erginkaya, B. Kabak	Czech J. Food Sci., 29 (3), 291-297 (2011)	2011	Turkey	C18	5um, 250 x 4.6
AP1461	Development and validation of an LC-MS/MS method for the pre-clinical pharmacokinetic investigation of the anticancer candidate AC04 in rodents	F. de Toni Uchoa, S.E. Haas, L.Brum Jnr., M.C. Pigatto, M. do Carmo Alves de Lima, S.L. de F. B. P. de A. B. T. D.	J. Liquid Chromatography & Related Technologies 34, 744-752 (2011)	2011	Brazil	C18	5um, 50 x 2.1
AP1462	LC-MS in analytical toxicology: some practical considerations	L. Couchman and P.E. Morgan	Biomed. Chromatogr. 25, 100-123 (2011)	2011	UK	C18	3um, 50 x 2.1
AP1463	Synthesis, full chemical characterisation and development of validated methods for the quantification of (±)-4'-methylmethcathinone (mephedrone): A new 'legal high'	E.Y. Santali, A. Cadogan, N.N. Daeid, K.A. Savage, O.B. Sutcliffe	J. Pharm. Biomed. Anal., 56, 246-255 (2012)	2012	UK	C18	3um, 150 x 4.6
AP1464	Development of a validated HPLC method for the simultaneous determination of flavonoids in <i>Cuscuta chinensis</i> Lam. by ultra-violet detection	H. Hajimehdipoor, B.M. kondori, G.R. Amin, N. Adib, H. Rastegar, M. Shekarchi	DARU Journal of Pharmaceutical Sciences 20, 57 (2012)	2012	Iran	C18	5um, 250 x 4.6
AP1465	Pharmacokinetics and pharmacodynamics of butorphanol following intravenous administration to the horse	H.K. Knych, H.C. Casbeer, D.S. McKemie, R.M. Arthur	J. Vet. Therap. 2012	2012	US	C18	3um, 100 x 2.1
AP1466	Stability-indicating LC method for the simultaneous determination of telmisartan and hydrochlorothiazide in dosage form	K.R. Patil, D.B. Shinde	J. Chil. Chem. Soc., 57 (1), 1017 (2012)	2012	India	C18	5um, 250 x 4.6
AP1467	Fast determination of bioactive compounds from <i>Lycopersicon esculentum</i> Mill. Leaves	M. Taveira, F. Ferreres, A. Gil-izquierdo, L. Oliveira, P.	Food Chemistry 135, 748-755 (2012)	2012	Portugal	C18-AR	3um, 150 x 4.6
AP1468	A versatile, validated method for separation and quantification of spiro alcohol and its related substances by HPLC-ELSD	M. Srinivas, R.S. Kumar, M.V. Murthy, S. Sait, K. Mukkanti	Journal of Pharmacy Research 5 (3), 1806-1809 (2012)	2012	India	C8	5um, 250 x 4.6
AP1469	Addition of blactoglobulin produces water-soluble shikonin	A. Albreht, I. Vovk, B. Simonovska	J. Agric. Food Chem. 2012	2012	Slovenia	Excel C18	2um, 100 x 2.1
AP1470	OnpA, an unusual flavin-dependent monooxygenase containing a cytochrom b ₅ domain	Y. Xiao, T. Liu, H. Dai, J. Zhang, H. Liu, H. Tang, D.J.	Journal of Bacteriology, 194 (6), 1342-1349 (2012)	2012	China	C18-HL	5um, 250 x 4.6
AP1471	Hydrolytic properties of ellagic acid in commercial pomegranate juices	S. Uzuner, J. Acar	World Academy of Science, Engineering and Technology, 67,	2012	Turkey	C18	5um, 250 x 4.6
AP1472	Potential of L-phenylalanine production from raw glycerol of palm biodiesel process by a recombinant <i>Escherichia coli</i>	P. Srinophakun, S. Reakasame, M. Khamduang, K. Packdibamrung, A.	Chiang Mai J. Sci., 39 (1), 59-68 (2012)	2012	Thailand	C18	5um, 150 x 4.6
AP1473	Stability indicating HPLC method for simultaneous determination of several angiotensin II receptor antagonists in their dosage forms	A. Eishanawane, L.M. Abdelaziz, H.M. Hafez	Pharmaceut. Anal. Acta, 3 (8), 2012	2012	Egypt	C18	5um, 250 x 4.6
AP1474	Antimicrobial activity of filamentous fungi isolated from highly antibiotic-contaminated river sediment	K.S. Svahn, U.Goransson, H. El-Seedi, L. Bohlin, D.G. Joakim Larsson, B. Olsen, E.	Infection Ecology and Epidemiology, 2, 11591 (2012)	2012	Sweden	C18	5um, 250 x 4.6
AP1475	Metabolic and pharmacokinetic differentiation of STX209 and racemic baclofen in humans	R. Sanchez-Ponce, L. Wang, W. Lu, J. von Hehn, M. Cherubini,	Metabolites, 2, 596-613 (2012)	2012	US	C18-AR	3um, 150 x 4.6
AP1476	Photodegradation of the <i>Mycobacterium ulcerans</i> toxin, mycolactones: Considerations for handling and storage	E. Marion, S. Prado, C. Cano, J. Babonneau, S. Ghamrawi, L.	PLoS ONE, 7 (4), (2012)	2012	France	C18	3um, 50 x 0.5
AP1477	A standardized Chinese herbal concoction, Kai-xin-san, restores decreased levels of neurotransmitters and neurotrophic factors in	K.Y. Zhu, Q-Q Mao, S-P Ip, R. C-Y Choi, T. T-X Dong, D. T-W	Evidence-based Complementary and Alternative Medicine (2013)	2012	Hong Kong	C18	3um, 100 x 2.1
AP1478	Analysis of sorbic acid in tea-drink using isotope dilution liquid chromatography tandem mass spectrometry (ID-LC/MS/MS)	S. Ahn, I. Lee, B. Kim	Analytical Science and Technology 25 (1), 25-32 (2012)	2012	Korea	C18	3um, 150 x 2.1
AP1479	Improved efficiency and robustness in qPCR and multiplex endpoint PCR by twisted intercalating nucleic acid modified primers	U.V. Schneider, N.D. Mikkelsen, A. Lindqvist, L/M. Okkels, N. Johnk, G. Lisby	PLOS One 7 (6) (2012)	2012	Denmark	C18-300	
AP1480	Application of liquid chromatography coupled to time-of-flight mass spectrometry separation for rapid assessment of toxins in	D.B. Clarke, A.S. Lloyd, P. Robb	Anal. Methods, 4, 1298-1309 (2012)	2012	UK	AQ	3um, 150 x 3.0
AP1481	Synthesis, radiolabelling and in vitro and in vivo evaluation of a novel fluorinated ABP688 derivative for the PET imaging of	S.M. Sephton, P. Dennler, D.S. Leutwiler, L. Mu, C.A. Wanger-	Am. J. Nucl. Med. Mol. Imaging, 2 (1), 14-28 (2012)	2012	Switzerland	C18	3um, 50 x 4.6
AP1482	Determination of Insulin in Humans with Insulin-dependent diabetes mellitus patients by HPLC with diode array detection	B. Yilmaz, Y. Kadioglu, I. Capoglu	Journal of Chromatographic Science, 50, 586-590 (2012)	2012	Turkey	C18	5um, 250 x 4.6

AP1483	Development and certification of green tea-containing standard reference materials	L.C. Sander, M. Bedner, M.C. Tims, J.H. Yen, D.L. Duewer, B. Porter, S.J. Christopher, R.D. Day, S.E. Long, J.L. Molloy, K.E. Murphy, B.E. Lang, R. Lieberman, L.J. Wood, M.J. Payne, M.C. roman, J.M. Betz, A. NguyenPho, K.E. Sharpless, S.A.	Anal. Bioanal. Chem., 402, 473-487 (2012)	2012	US	C18	5um, 250 x 4.6
AP1484	Long chain n-3 PUFAs reduce adipose tissue and systemic inflammation in severely obese nondiabetic patients: a randomized controlled trial	B. Itaiu, M. Zeyda, E. Hochbrugger, A. Neuhofer, G. Prager, K. Schindler, A. Bohdjalian, D. Mascher, S. Vangala, M. Scranz, M. Krebs,	Am. J. Clinical Nutrition, 96 (5), 1137-1149 (2012)	2012	US	C18-AR	3um, 150 x 2.1
AP1485	LC-MS/MS analysis of microcystins in drinking water on EVOQ	K. Cha, K. Wang	Bruker Application Note 704424	2012	Korea	Excel C18	2um, 100 x 2.1
AP1486	Analysis of an opioid peptide dermorphin in equine urine using EVOQ Elite LC-MS/MS system	R. Thakur	Bruker Application Note 704423	2012	US	C18	3um, 100 x 2.1
AP1487	Clenbuterol in equine plasma - a study of superior ion source robustness and high sensitivity on a new EVOQ model LV triple quadrupole mass spectrometer	Z. Yang	Bruker Application Note 704055	2012	US	C18	3um, 100 x 2.1
AP1488	Quantitative analysis of chloramphenicol in milk using the EVOQ		Bruker Application Note	2012	US	C18	3um, 50 x 2.1
AP1489	Development and validation of stability indicating HPLC method for combination tablet dosage form of efavirenz, lamivudine and tenofovir tablet	V. Reddiah, P.R. Devi, K. Mukkanti, P. Srinivasu	International Journal of Pharmaceutical and Phytopharmacological Research, 2 (1), 40-45, (2012)	2012	India	C18	5um, 250 x 4.6
AP1490	Perfluoroalkyl and polyfluoroalkyl substances (PFASs) in consumer products in Norway - A pilot study	D. Herzke, E. Olsson, S. Posner	Chemosphere, 88, 980-987 (2012)	2012	Norway	C18	3um, 150 x 2.1
AP1491	perfluorohexanoate on pipping success, development, mRNA expression and thyroid hormone levels in chicken embryos	C.G. Cassone, V. Vongphachan, S.Chiu, K.L. Williams, R.J. Letcher, E. Pelletier, D. Crump,	Toxicological Sciences, 127(1), 216-224 (2012)	2012	Canada	C18	3um, 50 x 2.1
AP1492	Quantitative determination of four angiotensin II receptor antagonists in presence of hydrochlorothiazide by a gradient technique HPLC in their pharmaceutical preparations	H.M. Hafez, L.M. Abdelaziz, A.A. Elshanawane, M.M. Kamal	Pharmaceutica Analytica Acta, 3 (7), (2012)	2012	Egypt	C18	
AP1493	Comparative evaluation of post-column free radical scavenging and ferric reducing antioxidant power assays for screening of antioxidants in strawberries	R. Raudonis, L. Raudone, V. Jakstas, V. Janulis	J. Chrom. A, 1233, 8-15 (2012)	2012	Lithuania	C18	5um, 250 x 4.6
AP1494	Determination of eprosartan mesylate and hydrochlorothiazide in tablets by derivative spectrophotometric and high performance liquid chromatographic methods	F. Hacioglu, A. Onal	J. Chrom. Sci., (2012)	2012	Turkey	CN	5um, 200 x 4.6
AP1495	Sequential determination of fat- and water-soluble vitamins in green leafy vegetables during storage	J. Santos, J.A. Mendiola, M.B.P.P. Oliveira, E. Inanez, M.	J. Chrom. A, 1261, 179-188 (2012)	2012	Portugal	C18	3um, 100 x 2.1
AP1496	Novel N-linked aminopiperidine inhibitors of bacterial topoisomerase type II with reduced pL _a : antibacterial agents with an improved safety profile	F. Reck, R.A. Alm, J.V. Newman, P. ciaccio, J. McNulty, H. Barthlow, K. Goteti, J. Breen,	J. Med. Chem., 55 (15), 6916-6933 (2012)	2012	US	C18	50 x 4.6
AP1497	Analysis of free and esterified steroids in urine ions by online reversed phase liquid chromatography-gas chromatography (RPLC-GC) using the through oven transfer adsorption desorption (TOTAD) interface	R.M. Toledano, J.M. Cortes, A. Rubio-Moraga, J. Villen, A. Vazquez	Food Chemistry, 135, 610-615 (2012)	2012	Spain	C4	5um, 250 x 4.0
AP1498	Durable pharmacological responses from the peptide ShK-186, a specific Kv1.3 channel inhibitor that suppresses T cell mediators of autoimmune disease	E.J. Tarcha, V.C. Ernesto, J. Munoz-Elias, D. Bailey, L.M. Londono, S.K. Upadhyay, K.	J. Pharmacology & Experimental Therapeutics, 342 (3), 642-653 (2012)	2012	US	C18-PFP	5um, 50 x 2.1
AP1499	Development and validation of a reverse phase-liquid chromatographic method for the estimation of butylated hydroxytoluene as antioxidant in paricalcitol hard gelatin capsule formulation dosage form	B. Vaghela, S.S. Rao, N. Sharma, P. Balakrishna, A.M. Reddy	Pharmaceutical Methods, 2 (4), 235-241 (2012)	2012	India	C18	5um, 250 x 4.6
AP1500	Comparison of stereochemical structures of cholesterol from different sources by HPLC	B. Satilmis, T. Guldur, A. Karakurt, E. Buyuktuncel, M.	Marmara Pharmaceutical Journal, 16, 201-205 (2012)	2012	Turkey	C18	5um, 250 x 4.6
AP1501	Determination of escitalopram in human plasma by high performance liquid chromatography-tandem mass spectrometry	C. de Sousa, F.N. Bonifacio, D.C.G. Bedor, T.M. Silva, V.L.S. Ramos, J.H. de Souza Filho, L.B. Leal, A.T.C. Oliveira, D.P. de	Latin American Journal of Pharmacy 31 (2), 310-314 (2012) Short Communication	2012	Brazil	C18	5um, 125 x 4.6

AP1502	Analysis of in vivo absorption of didanosine tablets in male adult dogs by HPLC	P. Severino, H. Silva, E.B. Souto, M.H.A. Santana, T.C.T. Dalla	Journal of Pharmaceutical Analysis, 2 91), 29-34 (2012)	2012	Brazil	C18	5um, 140 x 4.0
AP1503	Intraspecific variation of biological activities in venoms from wild and captive Bothrops jararaca	E. Saad, L.C. Barros, N. Biscola, D. Pimenta, S. Barraviera, B. Barraviera, R.S. Ferrera	Journal of Toxicology and Environmental Health Part A, 75, 1-10 (2012)	2012	Brazil	C8-300	3um, 50 x 4.6
AP1504	Folate determination in cashew apple juice: Method development and validation	S.O.Sancho, A.R.A. Silva, M.C. Rabelo, R.W. Figueiredo, G.A. Maia, S. Rodrigues	HOLOS, 28 (4), 99-112 (2012)	2012	Brazil	C18	5um, 250 x 4.0
AP1505	Quinoa extract enriched in 20-hydroxyecdysone protects mice from diet-induced obesity and modulates adipokines expression	A.S. Foucault, V. Mathe, R. Lafont, P. Even, W. DFioh, S. Veillet, D. Tome, J.F. Huneau, D. Hermier, A. Quignard-	Obesity, 20 (2), 270-277 (2012)	2012	France	C18	
AP1506	Cannabinoids and bone: endocannabinoids modulate human osteoclast function in vitro	L.S. Whyte, L. Ford, S.A. Ridge, G.A. Cameron, M.J. Rogers, R.A. Ross	British Journal of Pharmacology, 165, 2584-2597 (2012)	2012	UK	C8	5um, 150 x 2.1
AP1507	[11C]Phenitoin revisited: synthesis by [11C]CO carbonylation and first evaluation as a P-gp tracer in rats	J. Verbeek, J. Eriksson, S. Syvanen, M. Labots, E. C.M. de Lange, R.A. Voskuyl, M.P.J. Mooijer, M. Rongen, A.A. Lammertsma, A.D. Windhorst	EJNMMI Research, 2 (36), (2012)	2012	etherlan	C18	5um, 250 x 10
AP1508	Examination of the cytotoxic and embryotoxic potential and underlying mechanisms of next-generation synthetic trioxolane and tetraoxane antimalarials	I.M. Copple, A.E. Mercer, J. Firman, G. Donegan, B. Herpers, M.H.L. Wong, J. Chadwick, A.D. Bringela, M.L.S. Cristiano, B. van de Water, S.A. Ward, P.M.	Molecular Medicine, 18, 1045-1055 (2012)	2012	UK	C8	3um, 100 x 2.1
AP1509	A comparative evaluation of coenzyme Q10-loaded liposomes and solid lipid nanoparticles as dermal antioxidant carriers	E.H. Gokce, E. Korkmaz, S.T-Tanriverdi, E. Deller, G. Sandri, M.C. Bonferoni, O. Ozer	Int. J. Nanomedicine, 5109-5117 (2012)	2012	Turkey	C18	5um, 250 x 4.6
AP1510	Comparative tissue and body compartment accumulation and maternal transfer to eggs of perfluoroalkyl sulfonates and carboxylates in Great Lakes herring gulls	W. A. Gebbink, R.J. Letcher	Environmental Pollution, 162, 40-47 (2012)	2012	Canada	C18	3um, 50 x 2.1
AP1511	A versatile, validated method for separation and quantification of positional isomers of the key intermediate of atorvastatin calcium by HPLC	D. Rambabu, P.S.S. Prasad, K. Mukkanti	J. Pharm. Res., 5 (12), 5408-5411 (2012)	2012	India	C18-HL	5um, 250 x 4.6
AP1512	In vivo pH imaging with 99mTc-pHLIP	S. Macholl, M.S. Morrison, P. Iveson, B.E. Arbo, O.A. Andreev, Y.K. Reshetnyak, D.M. Engelman, E. Johannesen	Mol. Imaging Biol (2012)	2012	UK	C4-300	5um, 150 x 4.6
AP1513	Characterisation of AC1: a naturally decaffeinated coffee	L.B. Benatti, M.B. Silvarolla, P. Mazzafera	Bragantia, Campinas, 71 (2), 143-154 (2012)	2012	Brazil	C18	5um, 250 x 4.6
AP1514	Gelam and Nenas honeys inhibit proliferation of HT 29 colon cancer cells by inducing DNA damage and apoptosis while suppressing inflammation	C.T.P. Wen, S.Z. Hussein, S. Abdullah, N.A. Karim, S. Makpol, Y.A.M. Yusof	Asian Pacific Journal of Cancer Prevention, 13, 1605-1610 (2012)	2012	Malaysia	C18	5um, 250 x 4.6
AP1515	Development method for extracting and analyzing antibiotic and hormone residues from treated wastewater sludge and composted biosolids	M. Shafir, D. Avisar	Water Air Soil Pollut., (2012)	2012	Israel	C8	5um, 250 x 2.1
AP1516	Uptake of perfluorinated alkyl acids by hydroponically grown lettuce (Lactuca sativa)	S. Felizeter, M.S. McLachlan, P. de Voogt	Environ. Sci. Technol., 46, 11735-11743 (2012)	2012	etherlan	C18-300	3um, 150 x 2.1
AP1517	Influence of cultivar and storage conditions in anthocyanin content and radical-scavenging activity of strawberry jams	L.F. Amaro, M.T. Soares, C. Pinho, I.F. Almeida, I.M.P.L.V.O. Ferreira, O. Pinho	Int. J. Biological, Biomolecular, Agricultural, Food and Biotechnological Engineering, 6	2012	Portugal	C18	5um, 250 x 4.6
AP1518	Subarachnoid haemorrhage induces an inflammatory response followed by a delayed persisting increase in asymmetric dimethylarginine	M.R. Wahlstrom, M. Olivecrona, L. Koskinen, S. Naredi, M. Hultin	Scandinavian Journal of Clinical & laboratory Investigation, 72 (6), 484-489 (2012)	2012	Sweden	C18	3um, 100 x 3.0
AP1519	Trypanosoma brucei thymidine kinase is tandem protein consisting of two homologous parts, which together enable efficient substrate binding	F. Ranjbarian, M. Vodnala, S.M. Vodnala, R. Rofougaran, L. Thelander, A. Hofer	J. Biol. Chem., 287 (21), 17628-17636 (2012)	2012	Sweden	C18	3um, 50 x 4.6

AP1542	Absorption, metabolism and excretion of [¹⁴ C]pomalidomide in humans following oral administration	M. Hoffmann, C. Kasserra, J. Reyes, P. Schafer, J. Kosek, L. Capone, A. Parton, H. Kim-Kang, S. Surapaneni, G. Kumar	Cancer Chemother. Pharmacol., 71, 489-501 (2013)	2013	US	C18	3um, 150 x 4.6
AP1543	Monohydrogen and 5-aminolevulinic acid production from waste barley by Rhodobacter sphaeroides O.U.001 in a biorefinery	G. Kars, A. Ceylan	Int. J. Hydrogen Energy, 1-7 (2013)	2013	Turkey	C18	5um, 250 x 4.6
AP1544	HPLC with UV and mass spectrometric detection for quantifying total ezetimibe in human plasma: Validation and application in pharmacokinetic study	P. Gaikwad, A. Bhagwat, S. Bhoir	Int. J. Biological & Pharmaceutical Research	2013	India	C18	5um, 50 x 4.6
AP1545	Extraction method for the determination of atrazine, deethylatrazine and deopropylatrazine in agricultural soil using factorial design	M.F.Amadori, G.A. Cordeiro, C.C. Reboucas, P.G. Peralta-Zucchi, M.T. Gomes, G. Alotaibi	J. Brazil Chem. Soc., 24 (3), 483-491 (2013)	2013	Brazil	C18	5um, 100 x 4.6
AP1546	Differences and similarities among parotoid macrogland secretions in South American toads: A preliminary biochemical delineation	J.M. Sciani, C.B. Angeli, M.M. Antoniazzi, C. Jared, D.C. Pimenta	The Scientific World Journal, 2013	2013	Brazil	C18	5um, 250 x 4.6
AP1547	Development and validation of a stability-indicating HPLC method for the simultaneous determination of sulfadiazine sodium and trimethoprim in injectable solution formulation	M.M. Ghanem, S.A. Abu-Lafi	Scientia Pharmaceutica, 81, 167-182 (2013)	2013	Palestine	C18	5um, 250 x 4.6
AP1548	Determination of 17a-methyltestosterone in freshwater samples of tilapia farming by high performance liquid chromatography	I.R. Barbosa, S. Loes, R. Oliveira, I. Domingues, A.M.V.M. Soares, A.J.A. Nogueira	Am. J. Anal. Chem., 4, 207-211 (2013)	2013	Portugal	C18	5um, 250 x 4.6
AP1549	Development and validation of stability indicating RP-HPLC method on thiocolchicoside and ketoprofen in bulk and marketed tablet dosage form	S.D. Kokate, A.D. Sapakal, S.K. Mohite	Int. J. Universal Pharmacy and Bio Sciences, 2 (3), 513-518 (2013)	2013	India	C18	5um, 150 x 4.6
AP1550	RP-HPLC method for simultaneous estimation of cefixime trihydrate and linezolid in tablet dosage form	S.A. Patel, J.V. Patel	Int. J. Pharmaceutical, Chemical and Biological Sciences, 3 (2),	2013	India	C18	5um, 150 x 4.6
AP1551	High throughput estimation of methotrexate in K562/A human plasma by using LC-ESI-MS/MS and application to	P. Singhal, P.S. Shrivastav	Indian Journal of Science, 3 (8), 102-110 (2013)	2013	India	CN	5um, 150 x 4.6
AP1552	Application of nontoxic liquid chromatography-high resolution mass spectrometry based urinary metabolomics for prostate cancer detection and biomarker discovery	T. Zhang, D.G. Watson, L. Wang, M. Abbas, L. Murdoch, L.	PLOS ONE, 8 (6), (June 2013)	2013	UK	C18-AR	5um, 150 x 4.6
AP1553	A fully validated chromatographic determination of voriconazole from infusion solution and tablet	A. Dogan, N.E. Basci	Hacettepe University Journal of the Faculty of Pharmacy, 33 (2),	2013	Turkey	Excel C18	2um, 50 x 3.0
AP1554	Synthesis and biological evaluation of novel propargyl amines as potential fluorine-18 labelled radioligands for detection of MAO-B activity	S. Nag, G. Kettschau, T. Heinrich, A. Varrone, L.	Bioorganic and Medicinal Chemistry, 21, 186-195 (2013)	2013	Sweden	C18-HL	5um, 250 x 10
AP1555	Recovery of antioxidants from olive mill wastewaters: A viable solution that promotes their overall sustainable management	N. Kalogerakis, M. Politi, S. Foteinis, E. Chatzisyemon, D. Mantzavinos	J. Environmental Management, 128, 749-758 (2013)	2013	Greece	C18	5um, 250 x 4.6
AP1556	Metabolic flux analysis during the exponential growth phase of Saccharomyces cerevisiae in wine	M. Quiros, R. Martinez-Moreno, J. Albiol, P. Morales, F. Vazquez-Lima, A. Barreiro-Vazquez, P. Ferrer, R. Gonzalez	PLOS ONE, 8 (8), (2013)	2013	Spain	C18-HL	5um, 250 x 4.6
AP1557	Efficacy of iloprost and montelukast combination on spinal cord ischemia/reperfusion injury in a rat model	G. Lafci, H.S. Gedik, K. Korkmaz, H. Erdem, O.F. Cicek, O.A. Nacar, L. Yildirim, E. Kaya,	J. Cardiothoracic Surgery, 8 (64) (2013)	2013	Turkey	C18	5um, 250 x 10
AP1558	Chromatographic on-line detection of bioactives in food	R. Van der Werf, S. Sigrist, S. Ros, D. Aoude-Werner, J. Le Grandois, S. Ennahar, F. Digel,	Functional Foods in Health and Disease, 3 (8), 323-331 (2013)	2013	France	C18-PFP	5um, 250 x 4.6
AP1559	Micellar liquid chromatographic determination of sildenafil citrate in pharmaceutical formulations	S. Jaipang, D. Santiarworn, S. Liawruangrath, B.	Chiang Mai. J. Sci. 40 (3), 408-418 (2013)	2013	Thailand	C18-AR	5um, 150 x 4.6
AP1560	Analysis of phenylbutazone residues in horse muscle	J. Blance, R. Munoz, P. Munoz, A. Aranda, R. Diaz, M.M. de	Revista del Comité Científico de la AESAN, 17, 235-246 (2013)	2013	Spain	C18-PFP	3um, 150 x 3.0
AP1561	RP-HPLC analysis and antimicrobial screening of clausena excavata burm. F. (Rutaceae)	C. Guntupalli, M. Ramaiah, GS Kumar	Int. J. Phytotherapy, 3 (2), 91-97 (2013)	2013	India	C18	5um, 250 x 4.6
AP1562	Release of propolis phenolic acids from semisolid formulations and their penetration into the human skin <i>in vitro</i>	M. Zilius, K. Ramanauskienė, V. Briedis	Hindawi Publishing Company - Evidence-based complementary medicine (2013)	2013	Lithuania	C18	5um, 150 x 0.5
AP1563	Quantization of didanosine in human plasma using high performance liquid chromatography-tandem mass spectrometry	H. Sura, S. Bonthu, T.E.G.K. Murthy	and Research, 3 (3), 187-195 (2013)	2013	India	C18	5um, 50 x 4.6

AP1564	Qualitative and quantitative analysis of <i>Andrographis paniculata</i> by rapid resolution liquid chromatography/time of flight mass spectrometry	Y. Song, S. Liu, Z. Jin, J. Qin, Z. Jiang	Molecules, 18, 12192–12207 (2013)	2013	China	Excel SuperC18	3um, 100 x 2.1
AP1565	Development of an HPLC–UV method for the analysis of drugs used for combined hypertension therapy in pharmaceutical preparations and human plasma	S.E.K. Tekkeli	Hindawi Publishing Corp. - J. Anal Methods in Chemistry (2013)	2013	Turkey	CN	5um, 200 x 4.6
AP1566	Analysis of lyso-globotriaosylsphingosine in dried blood spots	B. Johnson, H. Mascher, D. Mascher, E. Legnini, C. Hung, A. Dajnoki, Y. Chien, L. Marodi, W. Hwu, O.A. Bodamer	Anal. Lab. Med., 274–278 (2013)	2013	US	C8	3um, 50 x 2.1
AP1567	Comparison of methods for detoxification of spruce hydrolysate for bacterial cellulose production	X. Guo, A. Cavka, L. Jonsson, F. Hong	Microbial Cell Factories, 12 (93), (2013)	2013	China	C18-AR	5um, 150 x 2.1
AP1568	A validated stability-indicating high performance liquid chromatographic method for moxifloxacin hydrochloride and ketorolac tromethamine eye drops and its application in pH dependent degradation kinetics	J.B. Dave, P.J. Vyas, C.N. Patel	Chronicles of Young Scientists, 4 (1), 24–31 2013	2013	India	C18	5um, 150 x 4.6
AP1569	Comprehensive analysis of lipophilic arsenic species in a brown alga (<i>Saccharina latissima</i>)	A. Raab, C. Newcombe, D. Pitton, R. Ebel, J. Feldmann	Anal. Chem. 85, 2817–2824 (2013)	2013	UK	C18	5um, 150 x 4.6
AP1570	Individual venom profiling of <i>Crotalus durissus terrificus</i> specimens from a geographically limited region: Crotamine assessment and captivity evaluation on the biological activities	A. Lourenco, C. F.Z. Creste, L.C. de Barros, L. D. dos Santos, D.C. Pimenta, B. Barraviera, R.S. Ferreira	Toxicon 69, 75–81 (2013)	2013	Brazil	C8–300	3um, 50 x 4.6
AP1571	Validation of a method for quantifying enzalutamide and its major metabolites in human plasma by LC–MS/MS	D. Bennett, J.A. Gibbons, R. Mol, Y. Ohtsu, C. Williard	Bioanalysis (2013)	2013	US	C18	5um, 30 x 2.1
AP1572	Enantiomer selective glucuronidation of the non-steroidal pure anti-androgen bicalutamide by human liver and kidney: Role of the human UDP-glucuronosyltransferase (UGT)1A9 enzyme	L. Grosse, A-S Campeau, S. Caron, F. Morin, K. Meunier, J. Trotter, P. Caron, M. Verreault,	Basic & Clinical Pharmacology & Toxicology, 113, 92–102 (2013)	2013	Canada	C18-HL	3um, 100 x 4.6
AP1573	Separation and estimation of process related impurities and degradation products of levetiracetam in solid pharmaceutical formulation using ion-pair chromatography	N. Kumar, D. Sangeetha	J. Liquid Chrom. & Rel. Techniques 36 (13), 1836–1848 (2013)	2013	India	C8	5um, 150 x 4.6
AP1574	The Anti-Inflammatory drugs Diclofenac, Naproxen and Ibuprofen are found in the bile of wild fish caught downstream of a wastewater treatment plant	J.M. Brozinski, M. Lahti, A. Meierjohann, A. Oikari, L. Kronberg	Environ. Sci. Technol., 47, 342–348 (2013)	2013	Finland	Phenyl	5um, 125 x 2.1
AP1575	Study of the influence of low fat content test meal on cyclobenzaprine bioavailability in human body by using LC/MS/MS	A.A. Awwad, M. Yacoub, M. Alawi, T. Arafat	Int. J. Res. In Pharmaceutical & Biomedical Sciences, 4 (4), 1187–1196 (2013)	2013	Jordan	C18	5um, 50 x 2.1
AP1576	Determination of lealamine in mouse plasma by LC–MS/MS and its pharmacokinetics	M. Song, D. Lee, T. Lee, S. Lee	J. Chrom. B, 931, 170–173 (2013)	2013	South Kor	C18	5um, 50 x 2.1
AP1577	Analysis of acyclovir in vitreous humour by a validated HPLC method	G.R. Silva, A.S.P. Caldeira, F.M. Damico, R.S. Takahashi, A.	Pharmazie, 68, 235–239 (2013)	2013	Brazil	C18	5um, 250 x 4.6
AP1578	Evaluation of biochemical effects of <i>Casuarina equisetifolia</i> extract on gentamicin-induced nephrotoxicity and oxidative stress in rats. Phytochemical analysis	W. H. El-Tantawy, S. A. Mohamed, E.N.A. Haleem	J. Clin. Biochem. Nutr., 53 (3), 158–165 (2013)	2013	Egypt	C18	5um, 250 x 4.6
AP1579	Intake and time dependence of blueberry flavonoid-induced improvements in vascular function: a randomised, controlled, double-blind, crossover intervention study with mechanistic insights into biological activity	A. Rodriguez-Mateos, C. Rendeiro, T. Bergillos-Meca, S. Tabatabee, T.W. George, C. Heiss, J.PE Spencer	Am. J. Clin. Nutr., (2013)	2013	UK	C18	5um, 150 x 2.1
AP1580	Stability-indicating HPLC–UV for the determination of 4-bromomethyl-3-nitrobenzoic acid, a bioactive nitrocompound	M.B. de Freitas, E.B. Lages, I.M.B. Goncalves, R.B. de	J. Chrom. Sci., (2013)	2013	Brazil	C18	5um, 250 x 4.6
AP1581	Proportions of A1, A2, B and C β -casein protein variants in retail milk in the UK	Givens, P. Aikman, T. Gibson, R. Brown	Food Chemistry, 139, 549–552 (2013)	2013	UK	C18–300	5um, 150 x 2.1
AP1582	A new reagent for stable thiol-specific conjugation	G. Badescu, P. Bryant, J. Swierkosz, F. Khayrzad, E.	Bioconjugate Chemistry, 25, 460–469 (2014)	2013	UK	Excel SuperC18	2um, 75 x 2.1
AP1583	Application of HPLC–ELSD for the quantification of 5-aminolevulinic acid after penetration into human skin ex vivo	V. Armoskaite, V. Jakstas, L. Ivanauskas, A. Razukas, K. Ramanauskiene, V. Briedis	Anal. Lett., 46, 717–733 (2013)	2013	Lithuani	AQ	3um, 150 x 4.0

AP1584	Simultaneous determination of selected chemotherapeutics in human whole blood by molecularly imprinted polymers coated solid phase microextraction fibres and liquid-chromatography - tandem mass spectrometry	M. Szultka, R. Krzeminski, M. Jackowski, B. Buszewski	J. Chrom. B, 940, 66-76 (2013)	2013	Poland	C18	3um, 150 x 4.6
AP1585	Structure-efficiency relationship of [1,2,4] triazol-3-ylamines as novel nicotinamide isosteres that inhibit tankyrases	M.D. Schultz, D. Majumdar, D.N. Chin, P.D. Fortin, Y. Feng, T. Gould, C.A. Kirby, T. Stams, N.J. Waters, W. Shao	J. Med. Chem., 56 (17), 7049-7059 (2013)	2013	US	C18	3um, 30 x 2.1
AP1586	Letrozole increases ovarian growth and Cyp17a1 gene expression in the rat ovary	I. Ortega, A. Sokalska, J.A. Villanueva, A.B. Cress, D.H. Wong, E. Stenet-Victorin, S.D. Stanley, A.J. Duleba	Fertil. Steril., 99 (3), 889-896 (2013)	2013	US	C18	3um, 100 x 2.1
AP1587	Safety, pharmacokinetics and pharmacodynamics of remogliflozin etabonate, a novel SGLT2 inhibitor, and metformin when co-administered in subjects with type 2 diabetes mellitus	E.K. Hussey, A. Kapur, R. O' Connor-Semmes, W. tao, B. rafferty, J.W. polli, C.D. James, R.L. Dobbins	BMC Pharmacology & Toxicology, 14 (25), (2013)	2013	US	C18	3um, 50 x 4.6
AP1588	Integrated redox sensor and effector functions for tetrahydrobiopterin- and glutathionylation-dependent endothelial nitric-oxide synthase uncoupling	M.J. Crabtree, R. Brixey, H. Batchelor, A.B. Hale, K.M. Channon	J. Biol. Chem., 288, 561-569 (2013)	2013	UK	C18	5um, 250 x 4.6
AP1589	Study of postharvest changes in the chemical composition of persimmon by HPLC	H. Baltacioglu, N. Artik	Turkish Journal of Agriculture and Forestry, 37, 568-574 (2013)	2013	Turkey	C18	5um, 250 x 4.6
AP1590	Development and validation of a stability indicating liquid chromatographic method for simultaneous estimation of dutasteride and tamsulosin in combined dosage form	L. Shivakumar Reddy, S.L.N. Prasad Reddy, G. Srinivas Reddy	Oriental Journal of Chemistry, 29 (4), 1665-1673 (2013)	2013	India	C18	5um, 250 x 4.6
AP1591	Pharmacokinetics of flunixin meglumine in mature seine after intravenous, intramuscular and oral administration	M. Pairis-Garcia, L.A. Karriker, A.K. Johnson, B. Kukanich, L. Wulf S. Sander, S.T. Millman	BMC Veterinary Research, 9:165 (2013)	2013	US	C18	3um, 150 x 2.1
AP1592	Determination of benzothiazole and benzotriazole derivatives in tire and clothing textile samples by high performance liquid chromatography-electrospray ionization tandem mass spectrometry	R. Avagyan, I. Sadiktsis, G. Thorsen, C. Ostman, R. Westerholm	J. Chrom. A., 1307, 119-125 (2013)	2013	Sweden	C8	3um, 50 x 2.1
AP1593	Variations in the microcystin content of different fish species collected from a eutrophic lake	J.R. Schmidt, M. Shaskus, J.F. Estenik, C. Oesch, R. Khidekel,	Toxins, 5, 992-1009 (2013)	2013	US	C18	3um, 150 x 2.1
AP1594	Effects of water-deficit irrigation on hormonal content and nitrogen compounds in developing berries of <i>Vitis vinifera</i> L cv Thompson	M. Niculeea, L. Martinez-Lapuente, Z. Guadalupe, M.	J. Plant Growth Regul. 32, 551-563, (2013)	2013	Spain	C18-HL	5um, 250 x 4.6
AP1595	Method development and stability indicating RP-HPLC method for the estimation of montelukast and fexofenadine for bulk and pharmaceutical dosage form	M.D. Rameezuddin, P.M. Vasanth, T. Ramesh, M. Ramesh	Int. J. ChemTech Res., 5 (6), 2821-2829 (2013)	2013	India	C8	5um, 250 x 4.6
AP1596	Derringer desirability and kinetic plot LC-column comparison approach for MS-compatible lipopeptide analysis	M. D'Hondt, F. Verbeke, S. Stalmans, B. Gevaert, E. Wynendaele, B. De Spiegeleer	J. Pharm. Sci., Sep 2013	2013	Belgium	C18	n/a
AP1597	Mapping an atlas of tissue-specific drosophila melanogaster metabolomes by high resolution mass spectrometry	V.R.Chintapalli, M. Al Bratty, D. Korzekwa, D.G. Watson, J.A.T.	PLOS ONE 8 (10), Oct 2013	2013	UK	SIL	3um, 150 x 3.0
AP1598	The determination of 25-OH vitamin D2/D3 in human serum by liquid chromatography tandem mass spectrometry with comparison to IDS enzyme immunoassay	S.J. Melhem, K.M.A. Aiedeh, K.A. Hadidi, FerasAlali	Jordan J. Pharm. Sci., 6 (2) (2013)	2013	Jordan	C8	5um, 100 x 2.1
AP1599	Identification, characterization and suppression of side-products formed during the synthesis of high dose 68Ga-DOTA-TATE	L. Mu, R. Hesselmann, U. Oezdemir, L. Bertschi, A. Blainc, M. Dragic, D. Loffler, C. Smuda, A. Johayem, R. Schibli	Applied Radiation and Isotopes, 76, 63-69 (2013)	2013	Switzerland	C18	3um, 50 x 4.6
AP1600	Disposition of methylprednisolone acetate in plasma, urine and synovial fluid following intra-articular administration to exercised thoroughbred horses	H.K. Knych, L.M. Harrison, H.C. Casbeer, D.S. Mckemie	J. Vet. Pharmacol. Therap. 37, 125-132 (2013)	2013	USA	C18	3um, 100 x 2.1
AP1601	Development of a novel amide-silica stationary phase for the reversed-phase HPLC separation of different classes of phytohormones	H. Aral, T. Aral, B. Ziyadanogullari, R. Ziyadanogullari	Talanta, 116, 155-163 (2013)	2013	Turkey	C18	5um, 250 x 4.6
AP1602	Technical note: Fatty acids and purine profile of cecum and colon bacteria as indicators of equine microbial metabolism	A.S. Santos, E. Jeronimo, L.M. Ferreira, M.A.M. Rodrigues, R.J.B. Bessa	J. Animal Science, 91, 1753-1757 (2013)	2013	Portugal	C18	5um, 250 x 4.6

AP1603	Molecularly imprinted solid-phase extraction for selective trace analysis of trifluoperazine	A.M. Attaran, N. Mohammadi, M. Javanbakht, B.Akbari-Adergani	J. Chrom. Sci. (2013)	2013	Iran	C18	5um, 250 x 4.6
AP1604	Determination of aristonic acids in rat serum by high performance liquid chromatography-Q-TOF tandem mass	J. Gu, P. Zhang, F. Zhang, H. Shen, B. Yang, X. Liang, X. Chu	Anal. Metods, 5, 718-721 (2013)	2013	China	C18	3um, 150 x 4.6
AP1605	Pharmacokinetics, safety and tolerability of saroglitazar (ZYH1), a predominantly PPAR α agonist with moderate PPAR γ agonist activity in healthy human subjects	R.H. Jani, K. Kansagra, M.R. Jain, H. Patel	Clin. Drug Investig., (2013)	2013	India	C18	
AP1606	Cellular impedance assays for predictive preclinical drug screening of kinase inhibitor cardiovascular toxicity	S.D. Lamore, H.W. Kamendi, C.W. Scott, Y.P. Dragan, M.F.	Toxicological Sciences 135 (2), 402-413 (2013)	2013	USA	C8	3um, 20 x 2.1
AP1607	Perfluoroalkyl substances in eggs and plasma of an avian top predator, great skua (<i>Stercorarius skua</i>), in the North Atlantic	E.H.K. Leat, S. Bourgeon, J.I. Eze, D.C.G. Muir, M. Williamson, J.O. Bustnes, R.W. Furness, K.	Environmental Toxicology and Chemistry, 32 (3), 569-576 (2013)	2013	UK	C18	3um, 50 x 2.1
AP1608	Cardenolides in <i>Digitalis trojana</i> Ivanina, an endemic plant of Ida mountain, Turkey	N. Corduk, C. Aki	Der Pharma Chemica, 5(6), 138-141 (2013)	2013	Turkey	C18	5um, 250 x 4.0
AP1609	Biodistribution of 99mTc labelled integrin antagonist	B. Jang, S. Park, I.S. Shin, J. Maeng, C. H. Paik	Toxicol. Res. , 29 (1), 21-25 (2013)	2013	Korea	C18	5um, 100 x 4.6
AP1610	Bioanalytical method development and validation of rizatriptan in human plasma using LC-MS/MS method	S. Velusmy, V. M. Masimukka, S. Cheretty, J.K. Jadapalli, K. Palur, S. C. Archakam, R. K. Kumarachari	Int. J. Chem. and Anal. Sci., 4, 108-114 (2013)	2013	India	C18	
AP1611	Screening and determination of drugs in human saliva utilizing microextraction by packed sorbent and liquid chromatography-tandem mass spectrometry	A. Abdel-Rehim, M. Abdel-Rehim	Biomed. Chromatogr., 27, 1188-1191 (2013)	2013	Sweden	C18	3um, 100 x 3.0
AP1612	Phytochemical constituents and determination of resveratrol from the roots of <i>Arachis hypogaea</i> L.	T.P.N. Kim, N.V. Thi, P.T. Van, P.Q.N. Diem, D.N.T. Thuy, Q.T. That, P.N.K. Phi	American Journal of Plant Sciences, 4, 2351-2358 (2013)	2013	Vietnam	C18	3um, 150 x 4.6
AP1613	Quantification of beta-lactam antibiotics in veterinary drugs: Amoxicillin and ampicillin determination by high performance liquid chromatography	G.C. Miguel, E.A. Orlando, A.V.C. Simionato	Quim. Nova, 36 (8), 1214-1221 (2013)	2013	Brazil	C18	3um, 150 x 4.6
AP1614	Radiolabelling and in vitro/in vivo evaluation of N-(1-adamantyl)-8-methoxy-4-oxo-1-phenyl-1,4-dihydroquinoline-3-carboxamide as a PET probe for imaging cannabinoid type 2 receptor	L. Mu, D. Bieri, R. Slavik, K. Drandarov, A. Muller, S. Cermak, M. Weber, R. Schibli, S.D. Kramer, S.M. Ametamey	J. Neurochem., 126, 616-624 (2013)	2013	Switzerland	C18	3um,
AP1615	Phenolic acids content and antioxidant capacity of fruit extracts from Thailand	N. Ongphimai, S. Lilitchan, K. Aryasuk, A. Mumrungsap, K. Krisnangkura	Chiang Mai J. Sci, 40(4), 636-642 (2013)	2013	Thailand	C18-AR	5um, 200 x 4.6
AP1616	Vitamins, Flavonoids and Phenolic Acid Levels in Early- and Late-ripening Apricot (<i>Prunus armeniaca</i> L.) Cultivars from Iran	M. Gundogdu, T. Kan, M. K. Gecer	HortScience, 48(6), 696-700 (2013)	2013	Turkey	C18	5um, 250 x 4.6
AP1617	Transcriptome and peptidome characterization of the main neuro-peptides and peptidic hormones of a euphausiid: the ice krill, <i>Euphasia crystallorophias</i>	J. Toullec, E. Corre, B. Bernay, M.A.S. Thorne, K. Cascella, C. Ollivaux, J. Henry, M.S. Clark	PLOS ONE 8 (8) Aug 2013	2013	France	C18	50 x 0.5
AP1618	Development and validation of a stability-indicating HPLC method for the simultaneous determination of sulfadiazine sodium and trimethoprim in injectable solution formulation	M.M. Ghanem, S.A. Abu-Lafi	Scientia Pharmaceutica, 81 (91), 167-182 (2013)	2013	Palestine	C18	5um, 250 x 4.6
AP1619	A research on the fortification applications for jelly confectionery	C.E. Tamer, B. Incedayi, O.U. Copur, M. Karınca	J. Food, Ag. And Environ. 11 (2), 152-157 (2013)	2013	Turkey	C18	n/a
AP1620	Determination of efavirenz in human dried blood spots by reversed-phase high performance liquid chromatography with UV detection	J.T. Hoffman, S.S. Ross, R. Espina-Quinto, S. Letendre, E.V.	Ther. Drug Monit., 35 (2) (2013)	2013	US	C18	5um, 150 x 4.6
AP1621	Opioid secretion pattern in healthy volunteers: Gender difference and organ specificity	E. Dufour, S. Villard-Saussine, V. Mellon, R. Leandri, P. Jouannet, M.N. Ungeheuer, C.	Biochemistry & Analytical Biochemistry, 2 (3), (2015)	2013	France	C18	5um, 150 x 4.6
AP1622	Development and validation of an HPLC method for the simultaneous determination of artesunate and mefloquine hydrochloride in fixed-dose combination tablets	F.H.A. Nogueira, N.F.A. Reis, P.R. Chellini, I. Da Costa Cesar, G.A. Pianetti	Brazilian Journal of Pharmaceutical Sciences, 49 (4), Oct/Dec 2013	2013	Brazil	C18	5um, 250 x 4.6
AP1623	Development and validation of RP-HPLC method for simultaneous determination of eperisone hydrochloride and paracetamol in synthetic mixture	S.K. Patel, S.R. Prajapati	Inventi Rapid: Pharm Analysis & Quality Assurance, 2013 (2), 1-5 (2013)	2013	India	C18	5um, 150 x 4.6

AP1624	Sequential coagulation–flocculation, solvent extraction and photo-Fenton oxidation for the valorization and treatment of olive mill effluent	P.C. Papaphilippou, C. Yiannapas, M. Politi, V.M. Daskalaki, C. Michael, N. Kalogerakis, D. Mantzavinos, D.	Chemical Engineering Journal, 224, 82–88 (2013)	2013	Cyprus	C18-AR	5um, 250 x 4.6
AP1625	A critical role for the retinoic acid signaling pathway in the pathophysiology of gastrointestinal graft-versus-host disease	X. Chen, J. Dodge, R. Komorowski, W.R. Drobyski	Blood 121 (19), 3970–3980 (2013)	2013	USA	C18-PFP	5um, 250 x 2.1
AP1626	A pivotal role for tryptophan 447 in enzymatic coupling of human endothelial nitric oxide synthase (eNOS)	M.A. Benson, H. Batchelor, S. Chuaiphichai, J. Bailey, H. Zhu, D.J. Stuehr, S. Bhattacharya, K.M. Channon, M.J. Crabtree	J. Biol. Chem., 288 (41), 29836–29845 (2013)	2013	UK	C18	
AP1627	Glucosylsphingosine is a highly sensitive and specific biomarker for primary diagnostic and follow-up monitoring in gaucher disease in a non-Jewish, Caucasian cohort of gaucher disease patients	A. Rolfs, A. Giese, U. Grittner, D. Mascher, D. Elstein, A. Zimran, T. Bottecher, J. Lukas, R. Hubner, U. Golnitz, A. Rohle, A. Dudsek, W. Meyer, M.	PLOS ONE 8 (11) (2013)	2013	Germany	C8	3um, 50 x 2.1
AP1628	Fragments of the bacterial toxin microcin B17 as gyrase poisons	F. Collin, R.E. Thompson, K.A. Jolliffe, R.J. Payne, A. Maxwell	PLOS ONE, 8 (4), 2013	2013	UK	C18-300	5um, 250 x 21.2
AP1629	Development and validation of HPLC assay method for the acamprosate Ca in commercial tablets	C. Babu, B.S. Rao, K.V.N.S. Reddy, B. Naganjaneyulu	Indian J. Adv. Chem. Sci., 2 (1), 46–49 (2013)	2013	India	Phenyl	5um, 250 x 4.6
AP1630	Extraction of synthetic cannabinoids (SPICE) from oral fluid using ISOLUTE SLE+ 96-well plates and columns prior to LC-MS/MS		Biotage application note AN791	2013	US	Excel C18-AR	2um, 100 x 2.1
AP1631	Disposition and metabolism of darapladib, a lipoprotein-associated phospholipase A2 inhibitor, in humans	M. Dave, M. Nash, G.C. Young, H. Ellens, M.H. Magee, A.D.	Drug Metabolism and Disposition 42, 415–430 (2014)	2014	USA	C18	3um, 50 x 2.1
AP1632	A sensitive liquid chromatography–tandem mass spectrometric assay for the determination of artemether and its active metabolite dihydroartemisinin in human plasma	B.P. Tummuru, N.R. Pilli, B.R. Bhukya, G.S.D	Int. J. Pharmacy, 4 (1), 77–85 (2014)	2014	India	C18	5um, 100 x 4.6
AP1633	HPLC–FLD method for itraconazole quantification in poly lactic-co-glycolic acid nanoparticles, plasma and tissue	K.R. Py-Daniel, O. R. Pires, C.M. Cordova, M.L. Fascineli, A.C. P. de A. B. de A.	J. Braz. Chem. Soc., 25 (4), 697–703 (2014)	2014	Brazil	AQ	5um, 250 x 4.0
AP1634	Effects of parasitism and envenomation by <i>Pimpla turionellae</i> (Hymenoptera: ichneumonidae) on hemolymph free amino acids of <i>Galleria mellonella</i> (Lepidoptera: pyralidae)	O. Sak, F. Uckan, E. Ergin, H. Altuntas, A. Er	J. Entomol. Res. Soc., 16 (1), 1–20 (2014)	2014	Turkey	C18	5um, 125 x 4.0
AP1635	Effects of three antagonists on selected pharmacodynamics effects of sublingually administered detomidine inn the horse	H.K. Knych, S.D. Stanley	Veterinary Anaesthesia and Analgesia, 41, 36–47 (2014)	2014	USA	C18	3um, 100 x 2.1
AP1636	Plasma and red cell reference inrevals of 5-methyltetrahydrofolate of healthy adults in whom biochemical functional deficiencies of folate and vitamin B12 had been excluded	A. Sobczynska-Malefora, D. J. Harrington, K. Voong, M.J. Shearer	Hindawi Publishing Corp., Advances in Hematology vol. 2014	2014	UK	C18	3um, 125 x 4.6
AP1637	Induction of gliotoxin secretion in <i>aspergillus fumigatus</i> by bacteria-associated molecules	K.S. Svahn, U. Goransson, E. Chryssanthou, B. Olsen, J.	PLOS One, 9 (4), (2014)	2014	Sweden	C18	5um, 250 x 4.6
AP1638	Demonstration of antibiotic-induced tolerance development in tropical agroecosystems through physiological profiling of sediment microbial communities	M. Arias-Andres, C. Ruepert, F. Garcia-Santamaria, C. Rodriguez	PeerJ PrePrints Jan 2014	2014	Costa Ric	C18	5um, 150 x 3.0
AP1639	Genome-wide transcriptome and antioxidant analysis of irradiated phases of <i>deinococcus radiodurans</i> R1	H. Luan, N. Meng, J. Fu, X. Chen, X. Xu, Q. Feng, H. Jiang, J. dai, X. Luo, M. Chen, S. Xu, J. Li, C.J. Hamilton, C. Fang, J.	PLOS ONE. Jan 2014	2014	Taiwan	C18-AR	5um, 250 x 4.6
AP1640	Elucidating the mechanism of cytochrom P450-mediated pyrimidine ring conversion to pyrazole metabolites with the BACE1 inhibitor GNE-892 in rats	R. Takahashi, S. Ma, A. Deese, Q. Yue, H. Kim-Kang, Y. Yi, M. Siu, K.W. Hunt, N.C. Kallan, C.Hop, X. Liu, S. Khojasteh	DMD Fast Forward, March 2014	2014	US	C18-AR	3um, 150 x 4.6
AP1641	nucleoside 2'-deoxyriboseyltransferase from psychrophilicbacterium Bacillus psychrosaccharolyticus - preparation of an immobilized biocatalyst for the enzymatic synthesis of the nucleoside	A. Fresco-Taboada, I. Serra, J.Fernandez-Lucas, C. Acebal, M. Arroyo, M. Terreni, I.de la Mata	Molecules, 19, 11231–11249 (2014)	2014	Spain	C18-PFP	5um, 250 x 4.6
AP1642	Quantification of aflatoxins in pistachios and groundnuts using HPLC–FLD method	F. Hepsag, O. Golge, B. Kabak	Food Control, 38, 75–81 (2014)	2014	Turkey	C18	5um, 250 x 4.6

AP1643	Dereplication strategies for targeted isolation of new antitrypanosomal actinosporins A and B from a marine sponge associated - <i>Actinokineospora</i> sp. EG49	U.R. Abdelmohsen, C. Cheng, C. Viegelmann, T. Zhang, T. Grkovic, S. Ahmed, R.J. Quinn, U. Hentschel, R. Edrada-ebel	Marine Drugs, 12, 1220-1244 (2014)	2014	Germany	C18	5um, 75 x 3.0
AP1644	Effects of bread making and wheat germ addition on the natural deoxynivalenol content in bread	I. Gimenez, J. Blesa, M. Herrera, A. Arino	Toxins, 6, 394-401 (2014)	2014	Spain	C18	5um, 250 x 4.6
AP1645	Validation of RP-HPLC method for the estimation of secnidazole in bulk and its pharmaceutical dosage forms	K.S. Reddy, B. Ramachandra, N.V.S. Naidu	Int. J. Scientific & Engineering Research, 5 (8), 1250-1261 (2014)	2014	India	C8	5um, 150 x 4.6
AP1646	A simple HPLC-UV method for the determination of clindamycin in human plasma	M. Mifsud, J. Vella, V. Ferrito, A. Serracino-Inglott, I. M.	J. Chem. And Phar., Res., 6 (10), 696-704 (2014)	2014	Malta	C18	5um, 250 x 4.6
AP1647	A novel derivatization method for the determination of fosfomycin in human plasma by liquid chromatography coupled with atmospheric pressure chemical ionization mass spectrometric detection via phase transfer catalyzed derivatization	T.A. Papakondyli, A. Gremilogianni, N.C. Megoulas, M.A. Koupparis	J. Chrom. A, 1332, 1-7 (Mar 2014)	2014	Greece	C18-PFP	5um, 150 x 4.0
AP1648	Antiaflatoxigenic activity of Carum copticum essential oil	M.R.R. Kahkha, S. Amanloo, M. Kaykhali	Environ. Chem. Lett. , 12, 231-234 (2014)	2014	Iran	C18	5um, 150 x 4.6
AP1649	Identification of the major ACE-inhibitory peptides produced by enzymic hydrolysis of a protein concentrate from cuttlefish water	I.R. Amado, J.A. Vazquez, P. Gonzalez, D. Esteban-Fernandez, M. Carrera, C. Pineiro	Marine Drugs, 12, 1390-1405 (2014)	2014	Spain	C18	5um, 250 x 10
AP1650	HPLC method development, validation and impurity characterization for an antitumour Hsp90 inhibitor - PU-H71 (NCC-258184)	M. Liu, J. Wang, X. Wu, E. Wang, D. Baptista, B. Scott, P.	J. Pharm. & Biomed. Anal., 89, 34-41 (2014)	2014	US	C18	3um, 150 x 4.6
AP1651	Radiolabelling of HTEIPA: A new monopicolinate cyclam derivative for Cu-64 phenotypic imaging. In vitro and in vivo stability studied in mice	M. Frindel, N. Camus, A. Rauscher, M. Bourgeois, C. Alliot, L. Barre, J. Gustin, R. Tripiet, A. Faivre-Chauvet	Nuclear Medicine and Biology (2014)	2014	France	C18	3um, 150 x 3
AP1652	A rapid HPLC method for determination of 4-hexylresorcinol residues in shrimp	A. Selcuk, O. Ozden	J. Fisheries Sciences 2014	2014	Turkey	C18	5um, 250 x 4.6
AP1653	Effect of farming systems on the yield, quality parameters and sensory properties of conventionally and organically grown potato (<i>Solanum tuberosum</i> L.) tubers	V. Brazinskiene, R. Asakaviciute, A. Miezieliene, G. Alencikiene, L. ivanauskas, V. Jakstas, P. Viskelis, A. Razukas	Food Chem., 145, 903-909 (2014)	2014	Lithuania	C18	5um, 250 x 4.6
AP1654	Melatonin as a potential therapy for sepsis: a phase I dose escalation study and an ex vivo whole blood model under conditions of sepsis	H.F. Galley, D.A. Lowes, L. Allen, G. Cameron, L.S. Aucott, N.R. Webster	J. Pineal Res. (2014)	2014	UK	C18	3um, 150 x 2.1
AP1655	Development and validation of reverse phase high performance liquid chromatographic method for estimation of chlorhexidine gluconate in mouthwash	P.U. Patel, S.A. Patel	Am. J. Pharm. Tech. Res., 4 (2), 404-413 (2014)	2014	India	C18	5um, 150 x 4.6
AP1656	Identification of in vitro metabolites of amoxicillin in human liver microsomes by LC-ESI/MS	M. Szultka, R. Krzeminski, M. Jackowski, B. Buszewski	Chromatographia, Mar 2014	2014	Poland	C18	3um, 150 x 4.6
AP1657	Oral and topical boswellic acid attenuates mouse osteoarthritis	Q. Wang, X. Pan, H.H. Wong, C.A. Wagner, L.J. Lahey, W.H. Robinson, J. Sokolove	Osteoarthritis and Cartilage, 22, 128-132 (2014)	2014	US	C18	3u, 50 x 2.1
AP1658	Nonlethal amphibian skin swabbing of cutaneous natural products for HPLC fingerprinting	T.P. Umile, P.J. McLaughlin, K.R. Johnson, S. Honarvar, A.L. Blackman, E.A. Burzynski, R.W. davis, T.L. Teotonio, G.W. Hearn, C.A. Hughey, A.F. Lagalante, K.P.C. Minbiole	Royal Society of Chemistry Analytical Methods, 2014	2014	US	C18	3um, 150 x 4.6
AP1659	Finger printing and quantitative analysis of <i>Cuscuta chinensis</i> flavonoid contents from different hosts by RP-HPLC	M. Shekarchi, B. M. Kondori, H. hajimehdipoor, L. Abdi, M. Naseri, M. Pourfarzib, G. Amin	Food and Nutrition Sciences, 5, 914-921 (2014)	2014	Iran	C18	5um, 250 x 4.6
AP1660	Direct anthelmintic effects of condensed tannins from diverse plant sources against <i>Ascaris suum</i>	A.R. Williams, C. Frygnas, A. Ramsay, I. Mueller-Harvery, S.M. Thamsborg	PLOS ONE 9 (5), May 2014	2014	UK	C18	3um, 250 x 4.6
AP1661	Piper betle leaves: Profiling phenolic compounds by HPLC/DAD-ESI/MSn and anti-cholinesterase activity	F. Ferreres, A.P. Oliveira, A. Gil-Izquierdo, P. Valentao, P.B. Andrade	Phytochemical Analysis, 2014	2014	Spain	C18-AR	3um, 150 x 0.5
AP1662	Implementation of QbD approach to the RP-HPLC method development and validation of roflumilast in bulk and tablet dosage form: An application in degradation study	A.D. Shah, C.N. Patel	World Journal of Pharmacy and Pharmaceutical Sciences, 3 (6), 2281-2307 (2014)	2014	India	C18	5um, 150 x 4.6

AP1663	Development and validation of stability indicating RP-HPLC assay method for cefixime trihydrate and ornidazole in bulk drug and combined tablet dosage form	R. Badmanaban, U. Patel, A. Patel, C Patel	Int. J. Pharmaceutical Research and Bioscience, 3 (3), 326-342 (2014)	2014	India	C18	5um, 150 x 4.6
AP1664	Estimation of fluticasone propionate in nasal preparation and in combination with formoterol fumarate in inhalation preparation	P.P. Raval, J.B. Dave, M.P. Joshi, B.K. Solanki	World Journal of Pharmacy and Pharmaceutical Sciences, 3 (6), 1148-1160 (2014)	2014	India	C18	5um, 150 x 4.6
AP1665	Optimisation of gradient elution with serially-coupled columns. Part I. Single linear gradients	C. Ortiz-Bolsico, J.R. Torres-Lapasio, M.C. Garcia-Alvarez-Coque	J. Chrom. A, 1350, 51-60 (2014)	2014	Spain	Various	
AP1666	Tire tread wear particles in ambient air - a previously unknown source of human exposure to the biocide 2-mercaptobenzothiazole	R. Avagyan, I. Sadiksis, C. Bergvall, R. Westerholm	Environ. Sci. Pollut. Res., 21, 11580-11586 (2014)	2014	Sweden	C8	3um, 50 x 2.1
AP1667	Interactions between amphibians' symbiotic bacteria cause the production of emergent anti-fungal metabolites	A.H. Loudon, J.A. Holland, T.P. Umile, E.A. Burzynski, K.P.C. Minbiole, R.N. Harris	Frontiers in Microbiology, 5, 441 (2014)	2014	US	C18	3um, 150 x 4.6
AP1668	Determination and structural elucidation of triacylglycerols in krill oil by chromatographic techniques	P. Araujo, H. Zhu, J. F. Breivik, J.I. Hjelle, Y. Zeng	Lipids, 49, 163-172 (2014)	2014	Norway	C18	5um, 125 x 2.1
AP1669	A study on the quality criteria of some mandarin varieties and their suitability for juice processing	E. Agcam, A. Akylidiz	J. Food Processing, Article ID. 982721 (2014)	2014	Turkey	C18	250 x 4.6
AP1670	In-house validation of a method for determining aflatoxins B1, B2, G1 and G2 in wheat and wheat by-products	F.M. Trombete, T.B. Santos, G.M. Direito, M.E. Fraga, T.	Pesq. Agropec. Trop. Goiania, 44 (3), 255-262 (2014)	2014	Brazil	C 18	5um, 250 x 4.6
AP1671	Binding of glutathione to enterovirus capsids is essential for virion morphogenesis	H. Jan Thibaut, L. van der Linden, P. Jiang, B. Thys, M. canela, L. Aguado, B. Rombaut, E. Wimmer, A. paul, M. Perez-Perez, F.J.M. van Kuppeveld, J. Neyts	PLOS Pathogens, 10 (4), (2014)	2014	Belgium, Netherlands, US, Spain	C18-300	5um, 150 x 4.6
AP1672	Novel insights into amylin aggregation	K. Pillay, P. Govender	Biotechnology & Biotechnological Equipment, 28 (1), 123-135 (2014)	2014	South Africa	C18	250 x 21.2
AP1673	Pomegranate juice affects on pharmacokinetic parameters of metronidazole by using HPLC-MS	H.T. Abu Tbeekh, W.A. Abu Dayyih, E.M. Mallah, N.A. Qinna, R.M. awad, T.A. Arafat	World Journal of Pharmacy and Pharmaceutical Sciences, 3 (7), 150-164 (2014)	2014	Jordan	C18	5um, 50 x 2.1
AP1674	Development of HPLC-MS/MS method for the simultaneous determination of environmental phenols in human urine	Q. W. Gavin, R. T. Ramage, J. M. Waldman, J. She	Intern. J. Environ. Anal. Chem., 94 (2), 168-182	2014	USA	C18-PFP	3um, 100 x 4.6
AP1675	Phenolic compounds and vitamins in wild and cultivated apricot (prunus armeniaca L.) fruits grown in irrigated and dry farming conditions	T. Kan, M. Gundogdu, S. Ercisli, F. Muradoglu, F. Celik, M.K. Gecer, O. Kodad, M. Zia-Ul-Haq	Biological Research, 47 (46), (2014)	2014	Turkey	C18	5um 250 x 4.6
AP1676	Identification and anti-oxidant capacity determination of phenolics and their glucosides in elderflower by on-line HPLC-CUPRAC method	S.E. Celik, M. Ozyurek, K. Guclu, E. Capanoglu, R. Apak	Phytochem. Anal. 25, 147-154 (2014)	2014	Turkey	C18	5um, 250 x 4.6
AP1677	Molecular mechanism of Aurora A kinase autophosphorylation and its allosteric activation by TPX2	A. Zorba, V. Buosi, S. Kutter, N. Kern, F. Pontiggia, Y. Cho, D. Kern	eLife 2014	2014	USA	C18-AR	5um,
AP1678	Metabolic tools for secondary metabolite discovery from marine microbial symbionts	L. Macintyre, T. Zhang, C. Viegmann, I.J. Martinez, C. Cheng, C. Dowdells, U.R. Abdelmohsen, C. Gernert, U. Hentschel, R. Edrada-Ebel	Marine Drugs, 12, 3416-3448 (2014)	2014	UK	C18	5um, 75 x 3.0
AP1679	Adlumiceine methyl ester, a new alkaloid from Fumaria vaillantii	M. Iranshahy, H.Javidi-Shirazi, N.B. Pham, R.J. Quinn, H. Sadeghian, M. Iranshahi	Journal of Asian Natural products Research, 16 (12), 1148-1152 (2014)	2014	Iran	C18	5um, 250 x 21.2
AP1680	The isolation of anti-protozoal compounds from Libyan propolis	W. Siheri, J.O. igoli, A.I. Gray, T.G. Nascimento, T. Zhang, J. Feranley, C.J. Clements, K.C. Carter, J. carruthers, R.E. Ebel, D.G. Watson	Phytotherapy research, 28 912), 1756-1760 (2014)	2014	UK	C18	3um, 150 x 3.0
AP1681	Effect of drying temperatures on the phenolic composition and antioxidant activity of pears of Rocha variety (Pyrus communis L.)	S.C.R.V.L. Santos, R.P.F. Guine, A. Barros	Food Measure 8, 105-112 (2014)	2014	Portugal	C18	5um, 250 x 4.6
AP1682	The adsorption of ochratoxin A by Lactobacillus species	M. Piotrowska	Toxins, 6, 2826-2839 (2014)	2014	Poland	C18	5um, 250 x 4.6

AP1683	Fusarium graminearum possesses virulence factors common to Fusarium head blight of wheat and seedling rot of soybean but differing in their impact on disease severity	L. Sella, K. Gazzetti, C. Castiglioni, W. Schafer, F. Favaron	Mycology, 104 (11), 1201–1207 (2014)	2014	Germany	C18	3um, 100 x 2.1
AP1684	Bioequivalence and dose proportionality of inhaled fluticasone furoate	A. Allen, J. Bal, A. Moore, S. Stone, L. Tombs	Bioequivalence and Bioavailability, 6 (1), 24–32 (2014)	2014	UK	C18	3um, 50 x 2.1
AP1685	Tolerability of fluticasone furoate/vilanterol combination therapy in children aged 5 to 11 years with persistent asthma	A. Oliver, S. VanBuren, A. Allen, M. Hamilton, L. Tombs, A. Inamdar, R. Kempsford	Clinical Therapeutics, 36(6), 928–939, (2014)	2014	UK	C18	3um, 50 x 2.1
AP1686	Chromatographic analysis with different detectors in the chemical characterization and dereplication of African propolis	T. Zhang, R. Omar, W. Simeri, S. Al Mutairi, C. Clemets, J. Fearnely, R. Edrada-ebel, D.	Talanta, 120, 181–190 (2015)	2014	UK	C18	3um, 150 x 3.0
AP1687	Altitudinal changes in the content of bioactive substances in Hypericum orientale and Hypericum pallas	N. Camas, J. Radusiene, L. Ivanauskas, V. Jakstas, C. Cirak	Acta Physiol. Plant, 36, 675–686 (2014)	2014	Turkey	C18	5um, 250 x 4.6
AP1688	Pharmacokinetics, electrophysiological and morphological effects of the intravitreal injection of mycophenolic acid in rabbits	P. Gasparin, K.G. Aguiar, G.L. Ioshimoto, A. Silva-Cunha, S. L. Fialho, A.M. Liber, B.V. Nagy, N.N. Oiwa, M.F. Costa, C. Joslevitch, D.F. Ventura, F.M. Demirezer	Journal of Occular Pharmacology and Therapeutics, 30 (6), 502–510 (2014)	2014	Brazil	C18	5um, 250 x 4.6
AP1689	Method validation of E-4-(3',4'-dimethoxyphenyl)-but-3-en-1-ol in Zingiber cassumunar Roxb. With different extraction techniques	J. Suksaeree, F. Madaka, C. Monton, A. Sakunpak, T. Chusut, T. Charoonratana	International Journal of Pharmacy and Pharmaceutical Sciences, 6 (3), 295–298 (2014)	2014	Thailand	C18	5um, 250 x 4.6
AP1690	Determination of E-4-(3',4'-dimethoxyphenyl)-but-3-en-1-ol content in Zingiber cassumunar Roxb. (Plai) patches	J. Suksaeree, C. Monton, L. Charoenchai, F. Madaka, T. Chusut	International Journal of Pharmacy and Pharmaceutical Sciences, 6 (5), 434–436 (2014)	2014	Thailand	C18	5um, 250 x 4.6
AP1691	Development of peptide-based lineage-specific serology for chronic Chagas disease: Geographical and clinical distribution of epitope recognition	T. Bhattacharyya, A.K. Falconar, A.O. Luquetti, J.A. Costales, M.J. Grijalva, M.D. Lewis, L.A. Messenger, T.T.	Ramirez, F. Guhl, H.J. Carrasco, P. Diosque, L. Garcia, S.V. Litvinov, M.A. Miles	2014	UK	C18–300	10um, 250 x 21.2
AP1692	Conjugation of a brain-penetrant peptide with neurotensin provides antinociceptive properties	M. Dendleire, N. Beaudet, A. Regina, E. Besserer-Offroy, A. Murza, P. Tetreault, K. Belleville, C. Che, A. Larocque, C. Thiot, R. Beliveau, JM Longpre, E. Marsault, R. Leduc, J.E. Lachowicz, S.L. Gonias, JP Castaigne, D. Sarrat	The Journal of Clinical Investigation, 124 (3), 1199–1213 (2014)	2014	Canada	C18	5um, 100 x 2.1
AP1693	Changes in the content of bioactive substances among Hypericum montbretii populations from Turkey	C. Cirak, J. Radusiene, L. Ivanauskas, V. Jakstas, N. G.	Rev. Bras. Farma, 24, 20–24 (2014)	2014	Turkey	C18	5um, 250 x 4.6
AP1694	Chromatographic determination of clopidigrel bisulfate: detection and quantification of counterfeit Plavix tablets	M.E. Eitantawy, L.I. Beaway, R.F. Shokry	Bulletin of Faculty of Pharmacy, Cairo University, 52, 91–101	2014	Egypt	C18–AR	5um, 250 x 4.6
AP1695	Characterisation of estrogen and androgen activity of food contact materials by different in vitro bioassays (YES, YAS, ER α and AR CALUX) and chromatographic analysis (GC–MS, HPLC–MS)	J. Mertl, C. Kirchnawy, V. Osorio, A. Grininger, A. Richter, J. Berrhmair, M. Pyerin, M. Washuttl, M. Tacker	PLOS ONE, 9 (7), (2014)	2014	Austria	C18–AR	3um, 150 x 3.0
AP1696	Bufotenine is able to block rabies virus infection in BHK–21 cells	H. Vigerelli, J.M. Sciani, C. Jared, M.M. Antoniazzi, G.M.M. Caporale, A. de Cassia Rodrigues da Silva, D.C. Pimenta	J. Venomous Animals and Toxins, 20 (45), (2014)	2014	Brazil	C18	5um, 250 x 4.6
AP1697	Adulteration determining of pharmaceutical forms of Ginkgo biloba extracts from different international manufacturers	L.O. Demirezer, A. Buyukkaya, E. Ucakturk, A.Kuruuzum-Uz, Z. Guvenalp, E. Palaska	Rec. Nat. Prod., 8 (4), 394–400 (2014)	2014	Turkey	C18	5um, 150 x 4.0
AP1698	Identification, isolation and characterization of new impurity in donepezil hydrochloride	N. Jagadeesh, Y. RavindraKumar, A. Jayashree, S. Mohanty, K.K. Jain	J. Pharmacy Research 8 (7), 907–914	2014	India	C18	5um, 250 x 4.6
AP1699	Phenolic and antioxidant profiles of rowan (Sorbus L.) fruits	R. Raudonis, L. Raudone, K. Gaivelyte, P. Viskelis, V. Janulis	Nat. Prod. Res., (2104)	2014	Lithuania	C18	3um, 150 x 4.6
AP1700	Isolation and identification of antitrypanosomal and antimycobacterial active steroids from the sponge Haliclona simulans (supplementary info available)	C. Viegemann, J. Parker, T. Ooi, C. Clements, G. Abbott L. Young, J. Kennedy, A. Dobson	Marine Drugs, 12, 2937–2952 (2014)	2014	UK	C18	5um, 75 x 3.0

AP1701	Antileishmanial and antitrypanosomal activity of the cutaneous secretion of <i>Siphonops annulatus</i>	E. Pinto, M. Antoniazzi, C. Jared, A. Tempone	J. Venomous Animals and Toxins, 20 (50) (2014)	2014	Brazil	C18	5um, 250 x 4.6
AP1702	A rapid reverse phase HPLC dissolution method development and validation of imatinib mesylate tablets dosage form	T. Shan, N. Shan, R. Brahmabhatt, D. Saptarshi, R. Chakrabarti	Int. J. Pharmaceutival Research and Bioscience, 3(4), 64–82 (2014)	2014	India	Phenyl	5um, 150 x 4.6
AP1703	Extraction and quantification of iornoxicam in human plasma by liquid chromatography–tandem mass spectrometry in positive ion	N.K. Sahoo, M. Sahu, P.S. Rao, G. Ghosh	Asian Journal of Chemistry, 26 (8), 2452–2458 (2014)	2014	India	C18	5um, 150 x 4.6
AP1704	Biochemical and genotoxic effects of a commercial formulation of the herbicide tebuthiuron in <i>Oreochromis niloticus</i> of different sizes	M.F. Franco-Bernardes, L.R. Maschio, M.T.V. de AzeredopOliveira, E.A. de Almeida	Ecotoxibol. Environ. Contam., 9(1), 59–67 (2014)	2014	Brazil	C18	5um, 250 x 4.6
AP1705	Development and validation of RP–HPLC method for simultaneous estimation of metformin HCl and sitagliptin in bulk and its pharmaceutical formulations	K.P. Latha, D. Ramachandran	Der Pharmacia Lettre, 6 (4), 515–521 (2014)	2014	India	C18	5um, 150 x 4.6
AP1706	Synthesis, 68Ga–radiolabelling and preliminary in vivo assessment of a depsipeptide–derived compound as a potential PET/CT infection imaging agent	B.B. Mokareng, I. Ebennan, S. Ramesh, T. Govender, H.G. Kruger, R. Parboosing, P.P. Hazari, A.K. Mishra, B.Marjanovic-Painter, J.R. Karaman, M.M. S. Altmann	Biomed Research International (2014)	2014	uth Afr	C18	5um, 150 x 21.2
AP1707	Liposome encapsulation of ciprofloxacin improves protection against highly virulent <i>Francisella tularensis</i> strain Schu S4	K.A. Rahman, S.J. Armstrong, K.B. Barnes, C. Davies, J.P. Wong, J.D. Blanchard, S.V. Harding, A.J.H. Simpson, H.S. Alkhalaf	Antimicrobial Agents and Chemotherapy, 58 (6), 3053–3059, (2014)	2014	USA	C18–HL	3um, 20 x 2.1
AP1708	Gallium–68 DOTATATE production with automated PET radiopharmaceutical synthesis system: A three year experience	A. Aslani, G.M. Snowdon, D.L. Bailey, G.P. Schembri, A.A. Bailey, P.J. Roach	Asia Oceania Journal of Nuclear Medicine and Biology, 2 (2), 75–86 (2014)	2014	Australia	C18	3um, 150 x 3
AP1709	Impacts of TCDD and MeHg on DNA methylation in zebrafish (<i>Danio rerio</i>) across two generations	P.A. Olsvik, T.D. Williams, H. Tung, L. Mirbahai, M. sanden, K.H. Skjaerven, S. Ellingsen	Comparative Biochemistry and Physiology Part C. Toxicology and Pharmacology, 165, 17–27	2014	Norway	C18–AR	5um, 250 x 4.6
AP1710	Avermectins differentially affect ethanol intake and receptor function: implications for developing new therapeutics for alcohol use disorders	L. Asatryan, M.M. Yardley, S. Khoja, J.R. Trudell, N. Hyunh, S.G. Louie, N.A. Petasis, R.L. Alkana, D.L. Davies	International Journal of Neuropsychopharmacology, 17, 907–916 (2014)	2014	USA	C18	
AP1711	Echinometrin: A novel mast cell degranulating peptide from the coelomic liquid of <i>Echinometra lucunter</i> sea urchin	J.M. Sciani, M.C. Sampaio, B.C. Zychar, L.R. de Camargo Goncalves, R. Giorgi, T. de Oliveira Nogueira, R. Lopes de melo, C. de F. P. Teixeira, D.C. Pimenta	Peptides, 53, 13–21 (2014)	2014	Brazil	C18	5um, 250 x 7.75
AP1712	Fragment screening reveals salicylic hydroxamic acid as an inhibitor of <i>Trypanosoma brucei</i> GPI GLcNAc–PI de N-acetylase	M.D. Orhanak, A.S. Capes, A. Crossman, S.O'neill, S. Thompson, I.H. Gilbert, M.A.J. Parnham	Carbohydrate Research, 387, 54–58 (2014)	2014	UK	C18	5um, 100 x 1.0
AP1713	<i>Thermococcus kodakarensis</i> modulates its polar membrane lipids and elemental composition according to growth stage and phosphate availability	T.B. Meador, E.J. Gagen, M.E. Loscar, T. Goldhammer, M.Y. Yoshinaga, J. Wendt, M.Thomm, K–U. Hinrichsvv	Frontiers in Microbiology 5 (10) (2014)	2014	Germany	C18	3um,
AP1714	Root uptake and translocation of perfluorinated alkyl acids by three hydroponically grown crops	S. Felizeter, M.S. McLachlan, P. de Voogt	J. Agric. Food Chem. 62, 3334–3342 (2014)	2014	etherlan	C18–300	3um, 150 x 2.1
AP1715	Plasma lysosphingomyelin demonstrates great potential as a diagnostic biomarker for Niemann–Pick disease type C in a retrospective study	R.W.D. Welford, M. Garzotti, C.M. Lourenco, E. Mengel, T. Marquardt, J. Reunert, Y. Amraoui, S.A. Kolb, O. Morand, P. Groenen	PLoS ONE December 2014	2014	witzerlan	C8	3um, 50 x 2.1

AP1716	Discovery of the first C-nucleoside HCV polymerase inhibitor (GS-6620) with demonstrated antiviral response in HCV infected patients	A. Cho, L. Zhang, J. Xu, R. Lee, T. butler, S. Metobo, V. Aktoudianakis, W. Lew, H. Ye, M. Clarke, E. Doerffler, D. Byunm T. wang, D. Babusis, A. Carey, P. German, D. Sauer, W. Zhong, S. Rossi, M. Fenaux, J. McHutchinson, J. Perry, J. Feng, A. ray, C. Kim	J. Med. Chem., 57, 1812-1825 (2014)	2014	USA	C18	3um, 50 x 2.1
AP1717	Validation of a dual LC-HRMS platform for clinical metabolic diagnosis in serum, bridging quantitative analysis and untargeted metabolomics	LGertsman, J.A. Gangoiti, B.A. Barshop	Metabolomics, 10(2), 3120323 (2014)	2014	USA	C18-PFP	3um, 150 x 2.1
AP1718	Evaluation of the glucuronic acid production and other biological activities of fermented sweeten-black tea by Kombucha layer and the co-culture with different lactobacillus Sp. Strains	N.K. Nguyen, N.T.N. Dong, P.H. Le, H.T. Nguyen	Int. J. Modern Engineering Research, 4 (5), 12-17 (2014)	2014	Vietnam	C18	3um, 150 x 4.6
AP1719	Challenges in developing a safe nanomedicine based on Ocotea duckei vattimo to Leishmaniasis treatment: methodology, nanoparticle development and cytotoxicity assays	F.C. Rossetti, S.S. Leal, J.M.B. Filho, E.J. Oliveira, H.S. Barud, J.I. Hori, F. Marquetele-Oliveira, A.A. Berretta	Pharmaceutical nanotechnology, 2, 101-114 (2014)	2014	Brazil	C18	5um, 250 x 4.6
AP1720	Quantification of cell associated atazanavir, darunavir, lopinavir, ritonavir and efavirenz in human mononuclear cell extracts	A.T. Podany, L.C. Winchester, B.L. Robbins, C.V. Fletcher	Antimicrobial Agents & Chemotherapy March 2014	2014	USA	C18	100 x 3.0
AP1721	CD8+ T-cell recognition of a synthetic epitope formed by t-butyl modification	R.A. Reis, J.E. Redman, P. Rizkallah, C. Fegan, C. Pepper, S. Man	Immunology, 144, 495-505 (2014)	2014	UK	Excel C18	2um, 100 x 2.1
AP1722	Pioglitazone HCL levels and its pharmacokinetic application in presence of sucralose in animals serum by HPLC method	L. Tamimi, W.A. Dayyih, N. Qinna, E. Mallah, T. Arafat	Pharm. Anal. Acta 5 (9), (2014)	2014	Jordan	C8	5um, 250 x 4.6
AP1723	Reaction of dehydropyrrolizidine alkaloids with valine and hemoglobin	T. Zhao, S. Wang, Q. Xia, G.G. da Costa, D.R. Doerge, L. Cai, D.D. F.	Chemical Research in Toxicology, 27, 1720-1731 (2014)	2014	USA	C18	3um, 100 x 2.1
AP1724	Microscale methods to rapidly evaluate bioprocess options for increasing bioconversion yields: application to the ω -transaminase synthesis of chiral amines	M. Halim, L.R. Solis, M. Micheletti, J.M. Ward, G.J. Lye	Bioprocess Biosyst. Eng., 27, 931-941 (2014)	2014	UK	C18	5um, 150 x 4.6
AP1725	Evaluation of selenium species in selenium-enriched pakchoi (Brassica chinensis Jusl var parachinensis (Bailey) Tsen & Lee) using mixed ion-pair reversed phase HPLC-ICP-MS	W. Thosaikham, K. Jitmanee, R. Sittipot, S. Maneeetong, A. Chantiratikul, P. Chantiratikul	Food Chemistry, 145, 736-742 (2014)	2014	Thailand	C8	5um, 150 x 4.6
AP1726	Determination of small molecule ABAD inhibitors crossing blood brain barrier and pharmacokinetics	J.K. Vangavargu, K.K. Valasani, D. Fang, T.D. Wu, C.D. V.	J. Alzheimers Dis., 42(1), 333-344 (2014)	2014	USA	C18	3um, 50 x 2.1
AP1727	Distribution of antioxidant compounds in the grain of the Mediterranean rice variety 'Ariete'	P. Goufo, L.M.M. Ferreira, H. Trindade, E.A.S. Rosa	CyTA - Journal of Food 13 (1), 140-150 (2015)	2014	Portugal	C18	5um, 250 x 4.6
AP1728	Synthesis and preliminary evaluation of a 2-oxoquinoline carboxylic acid derivative for PET imaging the cannabinoid type 2 receptor	L. Mu, R. Slavik, A. Muller, K. Popaj, S. Cermak, M. Weber, R. Schibli, S.D. Kramer, S.M. Ametamey	Pharmaceuticals, 7, 339-352 (2015)	2014	Switzerland	C18	3um
AP1729	Level of residual monomer released from orthodontic acrylic materials	R.B. Ica, F. Ozturk, B. Ates, M.A. Malkoc, U. Kelestemur	Angle Orthodontist, 84 (5), 862-867 (2014)	2014	Turkey	C18	
AP1730	Highly automated nano LC-MS-based approach for thousand cell scale quantification of side chain hydroxylated oxysterols	H. Koebig, L. Larsen, K. Lund, I. Vehus, N. Solberg, C. Vesterdal, D. Misaghian, P.A. Olsen, S. Krauss, R.R. Wilson, E. Lundberg	J. Lipid Res., 55 (7), 1531-1536 (2014)	2014	Norway	C18	3um, 150 x 0.1
AP1731	Layered nanoemulsions as mucoadhesive buccal systems for controlled delivery of oral cancer therapeutics	A. Gavin, JTH Pham, D. Wang, B. Brownlow, TA Elbayoumi	Dovepress, 10 (1), 1569-1584 (2015)	2015	USA	C18-PFP	5ym, 250 x 4.6
AP1732	Simultaneous determination of sildenafil and glimepiride in rat plasma by using LC-MS method and their applications in pharmacokinetic interactions	E. Mallah, N.A. Ani, W.A. Dayyih, N. Qinna, R. Awad, K. Sweidan, T. Arafat	J. Clin. Parm., 1 (2), 1007 (2014)	2014	Jordan	C18	5um, 50 x 2.1
AP1733	A simple high performance liquid chromatography method for determination of rebamipide in rat urine	D. Cooper, S. Harirforoosh	MethodsX, 49-55 (2014)	2014	USA	C18	5um, 100 x 4.6
AP1734	HPLC separation of different groups of small polar compounds on a novel amide-embedded stationary phase	H. Aral, T. Aral, K.S. Celik, B. Ziyadanogullari, R. Ziyadanogullari	Chromatographia, 77, 771-781 (2014)	2014	Turkey	C18	5um, 250 x 4.6

AP1735	Antioxidant effects of Camellia sinensis L. extract in patients with type 2 diabetes	A. Spadiene, N. Savickiene, L. Ivanauskas, V. Jakstas, A. Skesters, A. Silova, H. D. Lukauskas	Journal of Food and Drug Analysis 22, 505-511 (2014)	2014	Lithuania	C18	5um, 250 x 4.6
AP1736	Absorption, distribution, metabolism and excretion of the novel antibacterial prodrug tedizolid phosphate	V. Ong, S. Flanagan, E. Fang, H.J. Dreskin, J.B. Locke, K. Bartizal, P. Prokocimer	Drug Metab. Dispos., 4q2, 1275-1284 (2014)	2014	USA	C18	3um, 150 x 4.6
AP1737	The combined effects of pH and acetonitrile composition on the separation of two lincosamide antibiotics	J. Vella, M. Mifsud, N.S. Bartolo, V. Ferrito, A. Serracino-Inglott, L.M. Azzopardi, G. LaFerla	Asian Journal of Pharmaceutical and Clinical Research, 7 (5), (2014)	2014	Malta	C18	5um, 250 x 4.6
AP1738	Study on the PK profiles of magnoflorine and its potential interaction in <i>Cortex phellodendri</i> decoction by LC-MS/MS	X. Tian, Z. Li, Y. Lin, M. Chen, G. Pan, C. Huang	Anal Bioanal Chem, 406 (3), 841-849 (2014)	2014	China	C18	3um, 100 x 2.1
AP1739	A comparison of the metabolome of male and female Drosophila melanogaster	R. Zhang, T. Zhang, D. Korzekwa, S. Al-Jojani, J.A.T. Dow, D.G. Watson	Current Metabolomics, 2, 174-183 (2014)	2014	UK	C18-AR	5um, 150 x 4.6
AP1740	Development and validation of liquid-chromatography-tandem mass spectrometric method for quantification of ciprofibrate from human plasma	D. Shah, D. Mavani, H. Patel, S. Baldania, K. Bhatt, U. Chhalotiya	J. Chrom Sc. Advance Access May 2014	2014	India	C18	5um, 50 x 4.6
AP1741	Identification of wild yeast strains and analysis of their beta-glycan and glutathione levels for use in Makgeolli brewing	S.H. Kang, H.R. Kim, J.H. Kim, B.H. Ahn, T.W. Kim, J. Lee	Mycobiology, 42(4), 361-367 (2014)	2014	Korea	C18	3um, 150 x 4.6
AP1742	HPLC method for the simultaneous determination of secnidazole, omeprazole and amoxicillin mixture in pure forms and pharmaceutical formulations	M.M. Baraka, M.E. Elsadek, A.M. Ibrahim	Asian Journal of Pharmaceutical Analysis and Medicinal Chemistry, 2(4), 197-207 (2014)	2014	Egypt		5um, 250 x 4.6
AP1743	A rapid method for the determination of free alpha-amino acids in pea (Pisum sativum) using ultra high performance liquid chromatography-high resolution accurate mass-mass spectrometry	M. Dickinson, M. Parker, F. Schoutsen, A.J. Charlton	Anal. Methods, 6, 2395-2398 (2014)	2014	UK	Excel AQ	2u, 150 x 3.0
AP1744	Quantification and stress degradation studies of cefepime/tazobactam in dry injection form by an RP-HPLC method	R. Kommana, G. Kannabattula, S. Gurrula, V.R. Yeradesi, P.A. Durga	Brazilian Journal of Pharmaceutical Sciences, 50 (4), 895-901 (2014)	2014	India	C18	5um,
AP1745	Preclinical evaluation and test-retest studies of [18F]PSS232, a novel radioligand for targeting metabotropic glutamate receptor 5 (mGlu5)	S.M. Septon, A.M. Herde, L. Mu, C. Keller, S. Rudisuhli, Y. Auberson, R. Schibli, S.D. Kramer, S.M. Ametamey	Eur. J. Nucl. Med. Mol. Imaging, (2014)	2014	Switzerland	C18	3um, 50 x 4.6
AP1746	The solubility of sebacic acid in subcritical water using the response surface methodology	E. Yabalak, O. Gormez, B. Gozmen, A.M.	Int. J. Ind. Chem. Jan 2015	2015	Turkey	C18	5um, 250 x 4.6
AP1747	A simple HPLC-UV method for the determination of ciprofloxacin in human plasma	J. Vella, F. Busuttil, N.S. Bartolo, C. Sammut, V. Ferrito, A. Serracino-Inglott, L.M. Azzopardi, G. LaFerla	J. Chrom. B (2015)	2015	Malta	C18	5um, 250 x 4.6
AP1748	Synthesis, radiolabelling and evaluation of novel 4-oxo-quinoline derivatives as PET tracers for imaging cannabinoid type 2 receptor	R. Slavik, A.M. Herde, D. Bieri, M. Weber, R. Schibli, S.D. Kramer, S.M. Ametamey, L. Mu	European Journal of Medicinal Chemistry, 92, 554-564 (2015)	2015	Switzerland	C18-AR	3um, 50 x 4.6
AP1749	Determination of active radical scavenging compounds in polar fruit and vegetable extracts by an on-line HPLC method	R. Van der Werf, S. Dal, J. Le Grandois, D. Aoude-Werner, F. Digel, S. Ennahar, S. Sigrist, E. Marchioni	Food and Science Technology (2015)	2015	France	C18-PFP	5um, 250 x 4.6
AP1750	Simultaneous determination of perfluorinated compounds and their potential precursors in mussel tissue and fish muscle tissue and liver samples by liquid chromatography-electrospray-tandem mass spectrometry	I. Zabaleta, E. Bizkarguenaga, A. Prieto, M. Ortiz-Zarragoitia, L.A. Fernandez, O. Zuloaga	J. Chrom. A, 1387, 13-23 (2015)	2015	Spain	UltraCore SuperC18	2.5um, 50 x 2.1
AP1751	Analysis of organo-chlorine pesticides residue in raw coffee with a modified 'quick easy cheap effective rugged and safe' extraction/clean up procedure for reducing the impact of caffeine on the gas chromatography-mass spectrometry measurement	B. Bresin, M. Piol, D. Fabbro, M. A. Mancini, B. Casetta	J. Chrom. A, 1376, 167-171 (2015)	2015	Italy	C18-PFP	
AP1752	Comparison of hydrocarbon- and lactam-bridged cyclic peptides as dimerization inhibitors of Leishmania infantum trypanothione reductase	P.A. Sanchez-Murcia, M. Ruiz-Santaquiteria, M.A. Toto, H. de Lucio, M.A. Jimenez, F. Gago, A. Jimenez-Ruiz, M.J. Camarasa, S. Velazquez	RSC Adv., 5, 55784-55794 (2015)	2015	Spain	C18-300	5um, 250 x 10

AP1753	S-Glutathionylation enhances human cystathionine β -synthase activity under oxidative stress conditions	WN Niu, P.K. Yadav, J. Adamec, R. Banerjee	Antioxidants & Redox Signaling, 22 (5), 350–361 (2015)	2015	USA	C18-300	5um, 100 x 2.1
AP1754	Simultaneous quantitation of chloroquine and primaquine by UPLC-DAD and comparison with a HPLC-DAD method	T.A. Miranda, H.R. Silva, G.A. Pianetti, I.C. Cesar	Malaria Journal, 14 (29) (2015)	2015	Brazil	C18	5um, 100 x 4.6
AP1755	Liquid chromatography tandem mass spectrometry method for determination of domeridone in human plasma	M.A. Al Bayyari, N.S. Al-Bayyari	J. Chem. and Pharm. Research, 7 (1), 980–985 (2015)	2015	Udi Ara	C18	3um, 50 x 4.6
AP1756	Saccharomyces cerevisiae cell wall components as tools for ochratoxin A decontamination	M. Piotrowska, A. Masek	Toxins, 7, 1151–1162 (2015)	2015	Poland	C18	5um, 250 x 4.6
AP1757	Structure and function of a Clostridium difficile sortase enzyme	CV.J. Chambers, A.K. Roberts, C.C. Shone, K.R. Acharya	Scientific Reports 5: 9449 (2015)	2015	UK	C18	50 x 2.1
AP1758	Optimisation of rutin isolation from Amaranthus paniculatus leaves by high pressure extraction and fractionation techniques	P. Kraujalis, P.R. Venskutonis, E. Ibanez, M. Herrero	J. of Supercritical Fluids 104, 234–242 (2015)	2015	Spain	C18-AR	5um, 150 x 4.6
AP1759	Development of an immobilized biocatalyst based on Bacillus psychrosaccharolyticus NDT for the preparative synthesis of trifluridine and decytidine	A. Fresco-Taboada, I. Serra, M. Arroyo, J. Fernandez-Lucas, I. de la Mata, M. Terreni	Catalysis Today 259, 197–204 (2015)	2015	Spain	C18-PFP	5um, 250 x 4.6
AP1760	Anti-glycation activities of phenolic constituents from Silybum marianum (milk thistle) flower in vitro and on human explants	S. Shin, J. Lee, M. Kim, H. Kum, E. Jung, D. Park	Molecules 20, 3549–3564 (2015)	2015	Korea	C18	5um, 250 x 4.6
AP1761	Pyroglutamylation of N-terminal prion protein fragments in sheep brain following the development of transmissible spongiform encephalopathies (supplementary info available)	A. Gielbert, J.K. Thorne, J. Hope	Frontiers in Molecular Biosciences, Vol 2 Art. 7 (2015)	2015	UK	AQ	150 x 0.075
AP1762	Analysis of metronidazole in equine plasma using liquid chromatography/tandem mass spectrometry and high resolution accurate mass spectrometry	M. Ilomuanya, C. Uboh, J. Ciallella, X. Li, Y. Liu, N. Ifudu, C. Azubuike, C. Igwilo	Rapid Commun. Mass Spectrom. 29, 753–763 (2015)	2015	USA	C18	5um, 75 x 2.1
AP1763	Perfluoroalkyl acids and their precursors in Swedish food: The relative importance of direct and indirect dietary exposure	W.A. Gebbink, A. Glynn, P.O. Darnerud, U. Berger	Environmental Pollution, 198, 108–115 (2015)	2015	Sweden	C18	3um, 150 x 2.1
AP1764	Temporal trends of perfluoroalkyl substances (PFAS) in eggs of coastal and offshore birds: Increasing PFAS levels associated with offshore bird species breeding on the Pacific coast of Canada and wintering near Asia	A. Miller, J.E. Elliott, K.H. Elliott, S. Lee, F. Cyr	Environmental Toxicology and Chemistry, 34 (8), 1799–1808 (2015)	2015	Canada	C18	3um, 50 x 2.1
AP1765	Population pharmacokinetic analysis to identify the possibility of interaction between anti-cancer agents	J. Subramanian, A. Damre, S. Rohatagi	Indian Journal of Cancer, 52 (3), 461–465 (2015)	2015	India	C18	3um, 150 x 4.6
AP1766	Selective antitumoral effect of sorafenib loaded PLGA nanoparticles conjugated with cetuximab on undifferentiated/anaplastic thyroid carcinoma cells	E. Mato, G. Puras, O. Bell, M. Agirre, R.M. Hernandez, M. Igarua, R. Moreno, G. Gonzalez, A. de Leiva, J.L. Pedraz	Nanomedicine & Nanotechnology, 6 (3), (2016)	2015	Spain	C18	3um, 30 x 2.1
AP1767	‘Dopamine-first’ mechanism enables the rational engineering of the norco-laurine synthase aldehyde activity profile	B.K. Lemman, M.C. Gersnater, E.D. Lammington, T. Pesnot, A. Sula, N.H. Keep, H.C. Hailes, J.M. Wood	FEBS Journal, 282, 1137–1151 (2015)	2015	UK	C18	150 x 4.6
AP1768	Brain region-specific perfluoroalkylated sulfonate (PFSA) and carboxylic acid (PFCA) accumulation and neurochemical biomarker responses in east Greenland polar bears (Ursus maritimus)	K.E. Pedersen, N. Basu, R. Letcher, A.K. Greaves, C. Sonne, R. Dietz, B. Styrishave	Environmental Research 138, 22–31 (2015)	2015	Denmark	C18	3um, 50 x 2.1
AP1769	Pharmacokinetics of cycloserine in rats by HPLC-MS/MS	L. Yan, Z. Wang, W. Zhang, Y. Huang, H. Xiao	Med. Chem., 5 (20), 104–107 (2015)	2015	China	C18-AR	5um, 150 x 4.6
AP1770	A requirement for GCH1 and tetrahydrobiopterin in embryonic development	G. Douglas, A.B. Hale, M.J. Crabtree, B.J. Ryan, A. Hansler, K. Watschinger, S.S. Gross, C.A. Lygate, N.J. Alp, K.M. Channon	Developmental Biology, 399, 129–138 (2015)	2015	UK	C18	5um, 250 x
AP1771	Identification of AKB-48 and 5F-AKB-48 metabolites in authentic human urine samples using human liver microsomes and time of flight mass spectrometry	S. Vikingsson, M. Josefsson, H. Green	Journal of Analytical Toxicology Advance Access May 2015	2015	Sweden	Excel C18-AR	2um, 100 x 2.1
AP1772	HPLC and LC-MS/MS methods for determination of sodium benzoate and potassium sorbate in food and beverages: Performances of local accredited laboratories via proficiency tests in Turkey	A.C. Goren, G. Bilsel, A. Simsek, M. Bilsel, F. Akcadag, K. Topal, H. Ozgen	Food Chemistry, 175, 273–279 (2015)	2015	Turkey	C18	5um, 150 x 4.0
AP1773	A model of post-infection fatigue is associated with increased TNF and 5-HT2A receptor expression in mice	Y. Couch, Q. Xie, L. Lundberg, T. Sharp, D.C. Anthony	PLOS ONE, July 2015	2015	UK	C18	3um, 150 x 3.0
AP1774	Development and validation of determinative and confirmatory LC-MS/MS methodologies for total florfenicol and tulathromycin residues in bovine, equine and porcine kidney, liver and muscle tissues	R.W. Fedeniuk, D. McKenzie, M. Mizuno, C. Neiser, C. O'Byrne, B. Shurmer	J. Chrom. B, 983–984, 1–9 (2015)	2015	Canada	C18-AR	3um, 50 x 2.1

AP1775	Simultaneous enzymatic hydrolysis and extraction of endocrine-disrupting chemicals in fish bile using polyethersulfone polymer	O. Ros, J. Aguirre, A. Prieto, M. Olivares, N. Etxebarria, A.	Anal. Bioanal. Chem., 407, 7413–7423 (2015)	2015	Spain	UltraCore SuperC18	2.5
AP1776	Saxagliptin levels and its pharmacokinetic application in presence of sucralose in animals serum by HPLC method	W.H. Dayyih, L. Hamm, L. Mallah, K. Mansour, T. Arafat, M. Boust	Int. J. Pharmacy and Pharm. Sci., 7 (9), (2015)	2015	Jordan	C8	5um, 250 x 4.6
AP1777	Magnetic purification of curcum in longa rhizome by novel naked maghemite nanoparticles	M. Magro, R. Campos, D. Baratella, M.I. Ferreira, E. Bonaiuto, V. Corraducci, M.R. Uliana, G.P.P. Lima, S. Santagata, P. Sambo, F. Vianello	J. Agric. Food Chem., 63, 912–920 (2015)	2015	Italy	C18	5um, 250 x 4.6
AP1778	Evaluation of the triglyceride composition of pomegranate seed oil by RP-HPLC followed by GC-MS	M. Topkafa, H. Kara, S.T.H. Sherazi	J. Am. Oil Chem. Soc., 92, 791–800 (2015)	2015	Turkey	C18	5um, 250 x 4.0
AP1779	Formulation, physicochemical characterization and in vitro study of chitosan/HPMC bends-based herbal blended patches	J. Suksaeree, C. Monton, F. Madaka, T. Chusut, W. Saingam, W. Pichayakorn, P. Boonme	AAPS PharmSciTech, 16 (1), 171–181 (2015)	2015	Thailand	C18	5um, 250 x 4.6
AP1780	Determination of atorvastatin pharmacokinetic parameters by LC-MS/MS with traditional liquorice beverage	T.A. Shaikhli, W.A. Dayyih, E. Mallah, M. Hamad, N. Qinna, T. Arafat	Advances in Analytical Chemistry, 5 (1), 17–24 (2015)	2015	Jordan	C8	5um, 50 x 2.1
AP1781	Pipa carvalhoi skin secretion profiling: Absence of peptides and identification of kynurenic acid as the major constitutive component	D.O.C. Mariano, L.F. Yamaguchi, C. Jared, M.M. Antoniazzi, J.M. Sciani, M.J. Kato, D.C. Pimenta	Comparative Biochemistry and Physiology, Part C 167, 1–6 (2015)	2015	Brazil	C18	5um, 250 x 4.6
AP1782	Phytoplankton pigment biomarkers: HPLC separation using a pentafluorophenyl octadecyl silica column	N. Sanz, A. Garcia-Bianco, A. Gavalas-Olea, P. Loures, J.L. Garrido	Methods in Ecology and Evolution (2015)	2015	Spain	C18-PFP	3um, 150 x 4.6
AP1783	Comparison of nutrient content in fruit of commercial cultivars of eggplant (Solanum melongena L)	F.A. Ayaz, N. Colak, M. Topuz, P. Tarkowski, P. Jaworek, G. Seiler, H. Inceer	Pol. J. Food Nutr. Sci. 65 (4), 251–259 (2015)	2015	Turkey	C18	5um, 250 x 4.6
AP1784	Antioxidant and whitening activities of five unripe pear cultivars	S-H Yim, S-H Nam	Journal of Applied Botany and Food Quality 88, 186–191 (2015)	2015	Korea	C18	5um, 250 x 4.6
AP1785	Homolog-focused profiling of ginsenosides based on the integration of step-wise formate anion-to-deprotonated ion transition screening and scheduled multiple reaction monitoring	Y. Song, N. Zhang, S. Shi, J. Li, Y. Zhao, Q. Zhang, Y. Jiang, P. Tu	J. Chrom. A (2015)	2015	China	UltraCore SuperC18	2.5um, 150 x 3.0
AP1786	Biochemical, transcriptomic and proteomic analyses of digestion in the scorpion Tityus serrulatus: Insights into function and evolution of digestion in an ancient arthropod	F.J. Fuzita, M.W.H. Pinkse, J.S.L. Patane, M.A. Juliano, P.D.E.M. Verhaert, A.R. Lopes	PLOS ONE April 2015	2015	Brazil	C18	5um, 50 x 4.6
AP1787	Enrichment of perfluorinated alkyl substances on polyethersulfone using 1-methylpiperidine as ion-pair reagent for the clean-up of carrot and amended soil extracts	E. Bizkarguenaga, I. Zabaleta, A. Iparraguirre, J. Aguirre, L.A. Fernandez, U. Berger, A. Prieto, O. Zuloaga	Talanta 2015	2015	Spain	UltraCore Super C18	2.5um, 50 x 2.1
AP1788	Petals of Crocus sativus L. as apotential source of the antioxidants crocin and kaempferol	K. Zeka, K.C. Ruparelia, M.A. Continenza, V.P. Andreatopoulos	Fitoterapia (2015)	2015	Italy	UltraCore SuperC18	5um, 150 x 4.6
AP1789	Lipidomic analysis of plasma samples from women with polycystic ovary syndrome	Z. Haoula, S. Ravipati, D.J. Stekel, C.A. Ortori, C. Hodgman, C. Daykin, N. Raine-Fenning, D.A. Barrett, W. Atiomo	Metabolomics, 11, 657–666 (2015)	2015	UK	C18	3um, 150 x 2.1
AP1790	Development and validation of stability indicating RP-HPLC method for simultaneous determination of S (-) pantoprazole and mosapride citrate in capsule dosage form	S. Shitole, M. Gurjar, G. Bal, A. Pawar, R. Patel, S. Pimple	J. Chem. and Pharm. Research 7 (2), 80–86 (2015)	2015	India	C8	3um, 100 x 4.6
AP1791	The development and validation of a method for quantifying olanzapine in human plasma by liquid chromatography tandem mass spectrometry and its application in a pharmacokinetic study	N.C.T.C. Bedor, D.C.G. Bedor, C.E.M. de Sousa, F.N. Bonifacio, D. da Mota Casteol Branco, L.B.Leal, D.P. de Santana	Clinical & Experimental Pharmacology & Physiology 42, 305–313 (2015)	2015	Brazil	C18	5um, 125 x 4.6
AP1792	Liquid chromatography-mass spectrometry metabolic and lipidomic sample preparation workflow for suspension-cultured mammalian cells using Jurkat T lymphocyte cells	C.Z. Ulmer, R.A. Yost, J. Chen, C.E. Mathews, T.J. Garrett	Proteomics & Bioinformatics 8 (6), 126–132 (2015)	2015	USA	Excel C18-PFP	2um, 100 x 2.1
AP1793	Comparative fasting bioavailability of two ciprofloxacin formulations in healthy Mediterranean volunteers: an in vitro - in vivo correlation	A.N. Zaid, K.A. Kamari, K. Bustami, A. Mousa, S. Al-Jarrah	Drug Design, Development & Therapy, 9, 2539–2365 (2015)	2015	Palestine	C8	5um, 50 x 2.1

AP1794	A novel, highly sensitive and specific biomarker for Niemann-Pick type C1 disease	A. Giese, H. Mascher, U. Grittner, S. Eichler, G. Kramp, J. Lukas, D. te Vrugte, N. eisa, M. Cortina-Borja, F.D. Porter, F.M. Platt, A. Rolfs	Orphanet Journal of Rare Diseases, 10, 78 (2015)	2015	Germany	C8	3um, 50 x 2.1
AP1795	Evaluation of the effect of processing on cocoa polyphenols: antiradical activity, anthocyanins and procyanidins profiling from raw beans to chocolate	M. Bordiga, M. Locatelli, F. Travaglia, J.D. Coisson, G. Mazza, M. Arlorio	Int. J. Food Science and Technology (2015)	2015	Canada	C18	3um, 150 x 3.0
AP1796	Topical, aqueous, clear cyclosporine formulation design for anterior and posterior ocular delivery	K. Cholkar, B.C. Gilger, A.K. Mitra	TVST, 4 (93), 1-16 (2015)	2015	USA	Phenyl	5um, 50 x 2.1
AP1797	Immunomodulatory metabolites released by the frog-killing fungus, <i>Batrachochytrium dendrobatidis</i>	L.A.Rollins-Smith, J.S. Fites, L.K. reinert, A.R. Shiakolas, T.P. Umile, K.P.C. Minbiole	Infect. Immun., (2015)	2015	USA	C18	3um, 150 x 4.6
AP1798	Validated RP-HPLC method for quantification of phenolic compounds in methanol extracts of aerial parts and roots of <i>Thymus sipyleus</i> and evaluation of antioxidant potential	A. Gokbulut	Tropical Journal of Pharmaceutical Research, 14 (10), 1871-1877 (2015)	2015	Turkey	C18	5um, 250 x 4.6
AP1799	An ADA laboratory evaluation: Bisphenol A released from resin based dental sealants	S.E. Gruninger, A. Tiber, R. Vinh	American Dental Association professional product Review May 2015	2015	USA	C18-PFP	100 x 2.1
AP1800	Correlation between browning degree and composition of important Turkish white wine grape varieties	M.U. Unal, A. Sener	Turkish Journal of Agriculture and Forestry, 39, (2015)	2015	Turkey	C18	5um, 250 x 4.6
AP1801	Optimisation of a CUPRAC-based HPLC postcolumn assay and its applications for Ginkgo boloba L. extracts	L. Rimkiene, L. Ivanuaskas, A. Kubiliene, K. Vitkevicius, G. Kiliuviene, V. Jakstas	J. Anal. Methods in Chemistry, (2015)	2015	Lithuania	C18	5um, 150 x 4.6
AP1802	Chlorophyll catabolites in conditioned media of green microalga <i>Desmodesmus subspicatus</i>	K. Grabski, N. Baranowski, J. Skorko-Glonek, Z. Tukaj	J. Appl. Phycol., (2015)	2015	Poland	C18-300	5um, 250 x 4.6
AP1803	Determination of porphyrins in oral bacteria by liquid chromatography electrospray ionization tandem mass spectrometry	J. Pyrestam, N. Bjursnamm, L. Paulsson, A. Johannsen, C. Osterman	Anal. Bioanal. Chem., (2015)	2015	Sweden	C18-PFP	3um, 75 x 2.1
AP1804	Development of LC-MS/MS methodology for the detection/determination and confirmation of chloramphenicol, chloramphenicol 3-O- β -D-glucuronide, florfenicol, florfenicol amine and thiamphenicol residues in bovine, equine and porcine tissue	R.W. Fedeniuk, M. Mizuno, C. Neiser, C. O'Byrne	J. Chrom. B, 991, 68-78 (2015)	2015	Canada	C18-AR	3um, 50 x 2.1
AP1805	Postharvest treatment with (-) and (+)-methyl jasmonate stimulates anthocyanin accumulation in grapes	G. Flores, G.P. Blanch, M.L.Ruiz del Castillo	LWT - Food Science and Technology, 62, 807-812 (2015)	2015	Spain	C18	5um, 250 x 4.6
AP1806	A comparison of the constituents of propolis from different regions of the United Kingdom by liquid chromatography-high resolution mass spectrometry using a metabolomics approach	K. Saleh, T. Zhang, J. Fearnley, D.G. Watson	Current Metabolomics, 3, 42-53 (2015)	2015	UK	C18	3um, 150 x 3.0
AP1807	Single active-site mutants are sufficient to enhance serine: pyruvate α -transaminase activity in an ω -transaminase	D. Deszcz, P. Affaticati, N. Ladkau, A. Gegel, J.K.M. Ward, H.C. Hailes, P.A. Dalby	FEBS Journal, 282, 2512-2526 (2015)	2015	UK	C18	5um, 150 x 4.6
AP1808	Cross-talk between branched-chain amino acids and hepatic mitochondria is compromised in nonalcoholic fatty liver disease	N.E. Sunny, S. Karavafani, F. Brill, T.J. Garrett, M. Nautiyal, J.T. Mathew, C.M. Williams, K. Gnanapavan	Am. J. Physiol. Endocrinol. Metab., 309, E311-E319 (2015)	2015	USA	C18-PFP	2um, 100 x 2.1
AP1809	Organochlorine insecticides induce NADPH oxidase-dependent reactive oxygen species in human monocytic cells via phospholipase A2/arachidonic acid	L.C. Mangum, A. Borazjani, J.V. Stokes, A.T. Anberitha, J.H. Lee, J.E. Chambers, M.K. Ross	Chemical Research in Toxicology, 28, 570-584 (2015)	2015	USA	C18	3um, 100 x 2.1
AP1810	Modelling and optimisation of the one-pot, multi-enzymatic synthesis of chiral amino-alcohols based on microscale kinetic parameter determination	L. Rios-Solis, P. Morris, C. Grant, A.O.O. Odeleye, H.C. Hailes, J.M. Ward, P.A. Dalby, F. Baganz, G.J. Lye	Chemical Engineering Science, 122, 360-372 (2015)	2015	UK	C18	5um, 150 x 4.6
AP1811	Degradation and kinetic study of tadalafil and chiral separation by RP-HPLC	D.J. Sen, A.K. Patel	World Journal of Pharmacy and Pharmaceutical Sciences, 4 (5), 1283-1305, (2015)	2015	India	C18	5um, 150 x 4.6
AP1812	Exorphin peptides in urine with HPLC-MS/MS detection	D. Tveiten, A. Finvoll, M. Andersson, K.B.P. Elgstoen, P.O. Ronning, K.L. Reichelt	International Journal of Innovative Science, Engineering & Technology, 2 (11), 57-63 (2015)	2015	Norway	C18	5um, 150 x 4.6

AP1813	Sodium hydroxide enhances extractability and analysis of proanthocyanidins in ensiled sainfoin (<i>Onobrychis viciifolia</i>)	A. Ramsay, C. Drake, A.G. Brinkhaus, M. Girard, G. Copani, F. Dohme-Meier, G. Bee, V. Niderkorn, I. Mueller-Harvey	J. Agric. Food Chem. 63, 9471–9479 (2015)	2015	UK	C18	3um, 250 x 4.6
AP1814	Panamanian frog species host unique skin bacterial communities	L.K. Belden, M.C. Hughey, E.A. Rebollar, T.P. Umile, S.C. Loftus, E.A. Burzynski, K.P.C. Minbiole, L.L. House, R.V. Jensen, M.H. Becker, J.B. Walke, D. Medina, R. Ibanz, R.N. Harris	Frontiers in Microbiology, 6, 1171 (2015)	2015	USA	C18	3um, 150 x 4.6
AP1815	Pressurised liquid extraction of caffeine and catechins from green tea leaves using ethyl lactate, water and ethyl lactate + water	D.V. Mermejo, J.A. Mendiola, E. Ibanez, G. Reglero, T. Fornari	Food and Bioproducts processing, 96, 106–112 (2015)	2015	Spain	C18-AR	3um, 150 x 4.6
AP1816	Can zero-valent iron nanoparticles remove waterborne estrogens?	B. Jarosova, J. Filip, K. Hilscherova, J. Tucek, Z. Simek, J.P. Giesy, R. Zboril, L. Blaha	Journal of Environmental Management, 150, 387–392 (2015)	2015	Czech	C18	3um, 250 x 2.1
AP1817	Absolute configuration, stability and interconversion of 6,7-dihydro-7-hydroxy-1-hydroxymethyl-5H-pyrrolizine valine adducts and their phenylthiohydantoin derivatives	X. Jiang, S. Wang, Y. Zhao, Q. Xia, L. Cai, X. Sun, P.P. Fu	Journal of Food and Drug Analysis, 23, 318–326 (2015)	2015	USA	C18-AR	5um, 250 x 4.6
AP1818	Simultaneous determination of aconite alkaloids and ginsenosides using online solid phase extraction hyphenated with polarity switching ultra-high performance liquid chromatography coupled with tandem mass spectrometry	Y. Song, B.N. Zhang, Y. Jiang, J. Li, Y. Zhao, S. Shi, P. Tu	RSC Advances, 5, 6419–6428 (2015)	2015	China	UltraCore SuperC18	2.5um, 150 x 3.0
AP1819	Effect of consuming a grape seed supplement with abundant phenolic compounds on the oxidative status of healthy human volunteers	F. Grases, R.M. Nieto, R.A. Fernandez-Cabot, A. Costa-Bauza, A.M. Sanchez, M. Delgado	Nutrition Journal, 14 (94), (2015)	2015	Spain	C18-AR	3um, 200 x 4.6
AP1820	Investigation of impact of storage conditions on <i>Hypericum perforatum</i> L. dried total extract	H. Koyu, M.Z. Haznedaroglu	J. Food and Drug Analysis, 23, 545–551 (2015)	2015	Turkey	C18	5um, 250 x 4.6
AP1821	The hepatobiliary disposition of timosaponin B2 is highly dependent on influx/efflux transporters but not metabolism	J. Sheng, X. Tian, G. Xu, Z. Wu, C. Chen, I. Wang, L. Pan, C. Huang, G. Pan	Drug Metabolism and Disposition, 43, 63–72 (2015)	2015	China	C18	3um, 100 x 2.1
AP1822	In silico-based high-throughput screen for discovery of novel combinations for tuberculosis treatment	R. Singh, V. Ramachandran, K. Shandil, S. Sharma, S. Khandelwal, M. Karmarkar, N. Kumar, S. Solapure, R. Saralaya, R. Nanduri, V. Panduga, J. Reddy, K.R., Prabhakar, S. Rajagopalan, N. Rao, S. Narayanan, A. Anandkumar, V. Balasubramanian, S. Datta	AAC, 59 (9), 5664–5674 (2015)	2015	India	C18	3um, 50 x 4.6
AP1823	Complexation study of glimepiride with Mg ²⁺ , Ca ²⁺ , Cu ²⁺ and Zn ²⁺ cations in methanol by conductometry, spectrophotometry and LC-MS	P.A. Shah, J.V. Shah, M. Sanyal, P.S. Shrivastav	Int. J. Pharmacy and Pharmaceutical Sciences, 7 (9), 105–111 (2015)	2015	India	C18	5um, 100 x 4.6
AP1824	Capecitabine and lapatinib uptake in surgically resected brain metastases from metastatic breast cancer patients: a prospective study	A. Morikawa, D.M. Peereboom, H.R. Thorsheim, R. Samala, R. Balyan, C.G. Murphy, P.R. Lockman, A. Simmons, R.J. Weil, V. Tabar, P.S. Steeg, Q.R. Smith, A.D. Seidman	Neuro-Oncology, 17 (2), 289–295 (2015)	2015	USA	C18-AR	3um, 100 x 2.1
AP1825	Construction of a recombinant <i>Leuconostoc mesenteroides</i> CJNU 0147 producing 1,4-dihydroxy-2-naphthoic acid, a bifidogenic growth factor	J-E Eom, G-S Moon	Korean J. Food Sci. An., 35 (6), 867–873 (2015)	2015	Korea	C18	5um, 150 x 4.6
AP1826	A Novel, stable, aqueous glucagon formulation using ferulic acid as an excipient	P.A. Bakhtiani, N. Caputo, J.R. Castle, J.E. Youssef, J.M. Carroll, L.L. David, C.T. Roberts, W.K. Ward	Journal of Diabetes Science and Technology, 9 (1), 17–23 (2015)	2015	USA	C18	3um, 150 x 3
AP1827	Pharmacokinetics of a single subcutaneous dose of sustained release buprenorphine in Northern elephant seals (<i>Mirounga angustirostris</i>)	C. M. Molter, L. Barbosa, S. Johnson, H.K. Knych, S.K. Chinnadurai, R.F. Wack	Journal of Zoo and Wildlife Medicine, 46 (1), 52–61 (2015)	2015	USA	C18	3um, 100 x 2.1

AP1828	Development and validation of RP-HPLC and HPTLC methods for simultaneous estimation of mometasone furoate and miconazole nitrate in cream formulation	K.A. Shah, J.B. Dave	World Journal of Pharmacy and Pharmaceutical Sciences, 4 (6), 1156-1172 (2015)	2015	India	C18	5um, 150 x 4.6
AP1829	Study of the migration of three model substances from low density polyethylene into food simulant and fruit juices	A. Rodriguez-Bernaldo de Quiros, N.V. Varela, R. Sendon	Beverages, 1, 159-168 (2015)	2015	Spain	C18-HL	3um, 30 x 3
AP1830	The broad spectrum 2-oxoglutarate oxygenase inhibitor N-oxalylglycine is present in rhubarb and spinach leaves	K. Al-Qanani, B. Jaheen, R. Selkirk, N. Riaz, T.D.W. Claridge, C.J. Schofield, J.S.O. McCubbin	Phytochemistry, 117, 456-461 (2015)	2015	UK	C18-PFP	3um, 250 x 2.1
AP1831	Physicochemical and antioxidative properties of black, brown and red rice varieties of northern Thailand	N. Pengkumsri, C. Chaiyasut, C. Saenjum, S. Sirilun, S. Peerajan, P. Suwannalert, S. Sirisattha, B. Sivamaruthi	Food Science and Technology, Caminas, 35 (2), 331-338 (2015)	2015	Thailand	C18	5um, 250 x 4.6
AP1832	The influence of extraction methods on composition and antioxidant properties of rice bran oil	N. Pengkumsri, C. Chaiyasut, B. Sivamaruthi, C. Saenjum, S. Sirilun, S. Peerajan, P. Suwannalert, S. Sirisattha, K. Chaiyasut, P. Kesika	Food Science and Technology, Caminas, (2015)	2015	Thailand	C18	5um, 250 x 4.6
AP1833	Cytotoxicity evaluation of extracts and fractions of five marine sponges from the Persian Gulf and HPLC fingerprint analysis of cytotoxic extracts	D. Mahdian, M. Iranshahy, A. Shakeri, A. Hoseini, H. Yavari, M. Nazemi, M. Iranshahi	Asian Pacific Journal of Tropical Biomedicine, 5(11), 896-901 (2015)	2015	Iran	C18	5um, 250 x 21.2
AP1834	Profiling the metabolome changes caused by cranberry procyanidins in plasma of female rats using 1H NMR and UHPLC-Q-orbitrap-HRMS global metabolomics approaches (supplementary information available)	H. Liu, T.J. Garrett, F. Tayyari, L. Gu	Mol. Nutr. Food Res., 59 (11), 2107-2118 (2015)	2015	USA	C18-PFP	2um, 100 x 2.1
AP1835	Determination of hydroxylated polycyclic aromatic hydrocarbons by HPLC-photoionisation tandem mass spectrometry in wood smoke particles and soil samples	R. Avagyan, R. Nystrom, C. Boman, R. Westerholm	Anal. Bioanal. Chem., 407, 4523-4534 (2015)	2015	Sweden	C18	3um, 50 x 2.1
AP1836	One-step extraction and concentration of estrogens for an adequate monitoring of wastewater using ionic-liquid-based aqueous biphasic systems	T.B.V. Dinis, H. Passos, D.L.D. Lima, V.I. Esteves, J.A.P. Coutinho, M.G. Freire	Green Chem., 17, 2570-2579 (2015)	2015	Portugal	C18-PFP	5um, 150 x 4.6
AP1837	Antimicrobial effect of Malpighia punicifolia and extension of water buffalo steak shelf-life	P. Tremonte, E. Sorrentino, M. Succi, L. Tipaldi, G.Pannella, E. Ibanez, J.A. Mendiola, T. di Renzo, A. Reale, R. Coppola	J. Food Science, (2015)	2015	Spain	C18	3um, 150 x 4.6
AP1838	Instability of an aromatic amine in fatty food and fatty food simulant: characterization of reaction products and prediction of their toxicity	R. Paseiro-Cerrato, A. Rodriguez-Bernaldo de Quiros, R. Sendon, J. Bustos, J.J. Sanchez, J. Lopez-Hernandez, P. Rodriguez	Food Additives & Contaminants: Part A, 32 (1), 100-109 (2015)	2015	Spain	C18-HL	3um, 30 x 3.0
AP1839	Comparison of blood plasma sample preparation methods for combined LC-MS lipidomics and metabolomics	R.E. Patterson, A.J. Duerock, D.J. McDougall, T.J. Garrett	J. Chrom. B, 1002, 260-266 (2015)	2015	USA	Excel C18-PFP	2um, 100 x 2.1
AP1840	Non-transferrin bound iron is associated with biomarkers of oxidative stress, inflammation and endothelial dysfunction in type 2 diabetes	B. Aiyawatt, D.L. White, K.J. Collard, A.J. Moody, J.H. McNeill	Journal of Diabetes and its Complications, (2015)	2015	UK	AQ	5um, 150 x 4.6
AP1841	The use of biomarkers to study the effects of the mixture of diuron and hexazinone on small and large <i>O. niloticus</i>	M.F. Franco-Bernardes, L.R. Maschio, M.T.V. Azeredo-Oliveiro, E.A. Almeida	Ecotoxicol. Environ. Contam. 10 (1), 83-92 (2015)	2015	Brazil	C18	5um, 250 x 4.6
AP1842	Structure-based discovery of novel cyclophilin A inhibitors for the treatment of hepatitis C virus infections	S. Yang, K.R. Jyothi, S. Lim, T.G. Choi, J. Kim, S. Akter, M. Jang, H. Ahn, H. Kim, M.P. Windisch, D.B. Khadka, C. Zhao, Y. Jin, I. Kang, J. Ha, B. Oh, M. Kim, S.S. Kim, W. Cho	J. Med. Chem., 58, 9546-9561 (2015)	2015	Korea	C18-HL	5um, 250 x 2.1
AP1843	Development and validation of a rapid ultra-high performance liquid chromatography method for the assay of benzalkonium chloride using a quality-by-design approach	R. Mallik, S. Raman, X. Liang, A.W. Grobin, D. Choudhury	J. Chrom. A, 1413, 22-32 (2015)	2015	USA	C18-AR	2um, 50 x 2.1
AP1844	Forensic electrochemistry: indirect electrochemical sensing of the components of the new psychoactive substance 'Synthacaine'	L.R. Cumba, A.V. Kolliopoulos, J.P. Smith, P.D. Thompson, P.R. Evans, O.B. Sutcliffe, D.R. do Carmo, C.E. Banks	Analyst, 140, 5536-5545 (2015)	2015	UK	C18	3um, 150x 4.6

AP1845	Toxic ipomeamarone accumulation in healthy parts of sweet potato (<i>Ipomoea batatas</i> L. lam) storage roots upon infection by <i>Rhizopus stolonifer</i>	L.N. Wamariwa, A. Cheseto, L. Ouna, F. Kaplan, N.K. Maniania, J. Machuka, B. Torto, M. G. J. J.	J. Agric. Food Chem., 63, 335-342 (2015)	2015	Kenya	AQ	5um, 200 x 10
AP1846	Composition uniformity indicating assay of traditional Lithuanian multi-ingredient phytopreparation	V. Jakstas, A. Lukosius, I. Mekas, K. Vitkevicius, L. J. Stukaitis, L. Charencina, P. Madaka, C. Monton, A. sakunpak, T. Charoonratana, W.	Indian Journal of Traditional Knowledge, 14 (2), 198-205 (2015)	2015	Lithuania	C18	5um, 250 x 4.6
AP1847	Zingiber cassumunar blended patches for skin application: Formulation, physicochemical properties and in vitro studies	J. Stukaitis, L. Charencina, P. Madaka, C. Monton, A. sakunpak, T. Charoonratana, W.	Asian Journal of Pharmaceutical Sciences, 10, 341-349 (2015)	2015	Thailand	C18	5um, 250 x 4.6
AP1848	Brivaracetam, a selective high affinity synaptic vesicle protein 2A (SV2A) ligand with preclinical evidence of high brain permeability and fast onset of action	J. Nicolson, J. Hannestad, D. Holden, S. Kervyn, N. Nabulsi, D. Tytgat, Y. Huang, H. Chanteux, L. Staelens, A. Matagne, F. Mathy, J. Mercier, A. Stockis, R. Carson, H.	Epilepsia, 1-9 (2015)	2015	USA	C18-AR	3um, 150 x 2.1
AP1849	Importance of measuring testosterone in enzyme-inhibited plasma for oral testosterone undecanoate androgen replacement therapy clinical trials	K. Lennard, O. Dinnig, J. Bernstein, S. Gagnon, C. Savard, N. Pelletier, N. Boudreau, A. L.	Future Science OA, 1 (4), (2015)	2015	USA	C18-PFP	2um, 100 x 3.0
AP1850	GC-MS and HPLC methods for determination of estriol hormone in pharmaceutical preparations	B. Yilmaz	Austin Journal of Analytical and Pharmaceutical Chemistry, 2 (5), (2015)	2015	Turkey	C18	5um, 250 x 4.6
AP1851	Bioinspired synthesis of a sedaxane metabolite using catalytic vanadyl acetylacetonate and molecular oxygen	S. Tyagi, C.D. Cook, D.A. DiDonato, J.A. Key, B.P. McKillican, W.J. Eberle, T.J. Carlin, D.A. Hunt, S.J. Marshall, N.L. Bow	J. Org. Chem. 80, 11941-11947 (2015)	2015	UK	C18	5um, 50 x 3.0
AP1852	Simultaneous determination of eight hypotensive drugs of various chemical groups in pharmaceutical preparations by HPLC-DAD	M. Stolareczyk, U. Hubicka, B. Zurowska-Witek, J. Krzek	Journal of AOAC Int., 98 (6)1542-1548 (2015)	2015	Poland	C18	5um, 250 x 4.6
AP1853	Exploring in vitro neurobiological effects and high pressure liquid chromatography-assisted quantitation of chlorogenic acid in 18 Turkish coffee brands	S. Erdem, F.S. Senol, E. Budakogoglu, I.E. Orhan, B. Sener	J. Food and Drug Analysis (2015)	2015	Turkey	C18	5um, 250 x 4.6
AP1854	Improved oral absorption of cilostazol via sulfonate salt formation with mesylate and besylate	J.H. Seo, J.B. Park, W. Choi, S. Park, Y.J. Sung, E. Oh, S.K. Bae	Drug Design, Development and Therapy, 9, 3961-3968 (2015)	2015	South Korea	C8	3um, 50 x 4.6
AP1855	Interchangeability and comparative effectiveness between generic and brand montelukast immediate release tablets after a single oral administration in healthy volunteers	A.N. Zaid, A. Mousa, N. Ghazal, R. Bustami	Clin. Transl. Allergy, 5 (37), (2015)	2015	Palestine	CN	5um, 50 x 4.6
AP1856	Biodiversity, anti-trypanosomal activity screening and metabolomics profiling of actinomycetes isolated from Mediterranean sponges	C. Cheng, L. MacIntyre, U.R. Abdelmohsen, H. Horn, P.N. Polymenakou, R. edrada[Ebel, U. Hentschel	PLOS ONE Sept 2015	2015	UK	C18	5um, 75 x 3.0
AP1857	Anthelmintic activity of trans-cinnamaldehyde and A- and B-type proanthocyanidins derived from cinnamon (<i>Cinnamomum verum</i>)	A.R. Williams, A. Ramsay, T. Hansen, H.M. Ropiak, H. Mejer, P. Nejsun, I. Mueller-Harvey, S.M. Thamsborg	Nature, Sep 2015	2015	Denmark	C18	3um, 250 x 4.6
AP1858	Exploration of the impact of stereochemistry on the identification of the novel translocator protein PET imaging agent [18F]GE-180	W. Chau, A.M.A. Black, A. Clarke, C. Durrant, I. Gausemel, I. Khan, D. Mantzilas, I. Oulie, A. Rogstad, W. Trigg, P.A. Jones	Nuclear Medicine and Biology, 42, 711-719 (2015)	2015	UK	C18	5um, 100 x 10
AP1859	Overaccumulation of γ -glutamylcysteine in a jasmonate-hypersensitive <i>Arabidopsis</i> mutant causes jasmonate-dependent growth inhibition	H. Wei, M. Rowe, J.M. Riethoven, R. Grove, J. Adamec, Y. Jikumaru, P. Staswick	Plant Physiology, 169, 1371-1381 (2015)	2015	USA	C18	
AP1860	An LC-MS method for the assay of melittin in cosmetic formulations containing bee venom	J. Tusiimire, J. Wallace, M. Dufton, J. Parkinson, C.J. Clements, L. Young, J.K. Park, J.W. Jeon, D.G. Watson	Anal. Bioanal. Chem., 407, 3627-3635 (2015)	2015	UK	C18	3um, 150 x 3.0
AP1861	The siderophore metabolome of <i>Azotobacter vinelandii</i>	O. Baars, X. Zhang, F.M.M. Morel, M.R. Seyedsayamdost	Appl. Environ. Microbiol. (2015)	2015	USA	C18-AR	3um, 100 x 1.0
AP1862	APR-246 overcomes resistance to cisplatin and doxorubicin in ovarian cancer cells	N. Mohen, J. Andreasson, A. Fransson, M. Uustalu, S. Bystrom, J. Gullbo, A. Hallberg, V.J.N. Bykov, U. Bjorklund, V. K.	Cell Death and Disease (2015)	2015	Sweden	C8	3um, 50 x 3.0

AP1863	The transcriptome of <i>Euglena gracilis</i> reveals unexpected metabolic capabilities for carbohydrate and natural product biochemistry	L.C. O'Neill, M. Trick, L. Hill, M. Rejzek, R.G. Dusi, C.J. Hamilton, P.V. Zimba, B. Kariuki, D.A. R. L. L.	Molecular Biosystems, 11, 2808 (2015)	2015	USA, Fr	C18-AR	5um, 250 x 4.6
AP1864	Synthesis and phototoxicity of isomeric 7,9-digluthathione pyrrole adducts: Formation of reactive oxygen species and induction of lipid peroxidation	L. Ma, H. Zhao, Q. Xia, L. Cai, P. Fu	J. Food and Drug Analysis 23, 577-586 (2015)	2015	USA	C18	3um, 150 x 4.6
AP1865	Challenges in optimizing sample preparation and LC-MS/MS conditions for the analysis of carginic acid, an N-acetyl glutamate derivative in human plasma	P. Sharma, P.A. Shah, M. Sanyal, P.S. Shrivastav	Drug Testing and Analysis, 7, 763-772 (2015)	2015	India	CN	5um, 150 x 4.6
AP1866	Metabolomics of the biodegradation process of aflatoxin B1 by actinomycetes at an initial pH of 6.0	M. Eshelli, L. Harvey, R. Edrada-Ebel, B. McNeil	Toxins, 7, 439-456, (2015)	2015	UK	C18-300	5um, 150 x 4.6
AP1867	Scope of harmonization of pharmacopoeial liquid chromatography (LC) methods for diazepam and its related substances	G.Q. Shar, W.B. Jatoti, P.M. Makheja	Pak. J. Anal. Environ. Chem. 16 (1), 10-15 (2015)	2015	Pakistan	C8	5um, 150 x 4.6
AP1868	The invasive American weed <i>Parthenium hysterophorus</i> can negatively impact malaria control in Africa	V.O. Nyasemba, X. Cheseto, F. Kaplan, W.A. Foster, P.E. Teal, J.H. Tumlinson, C. Borgemeister, B. Torto	PLOS ONE Sep. 2105	2015	Kenya	AQ	
AP1869	Metabolites involved in cellular communication among human cumulus-oocyte-complex and sperm during in vitro fertilization	M. Gomez-Torress, E.M. Garcia, J. Guerrero, S. Medina, M.J. Izquierdo-Rico, A. Gil-Izquierdo, J. Orduna, M. Saviron, L. Gonzalez-Brusi, J. Ten, R. Bernabeu, M. Aviles	Reproductive Biology and Endocrinology, 12 (123), (2015)	2015	Spain	C18	3um, 150 x 0.075
AP1870	A rapid and sensitive spectrophotometric method for the determination of benzoyl peroxide in wheat flour samples	K. Ponghong, S. Supharoek, W. Siriangkhawut, K. Grudpan	Journal of Food and Drug Analysis, 23, 652-659 (2015)	2015	Thailand	C18-AR	5um, 250 x 4.6
AP1871	Discovery of a high affinity and selective pyridine analog as a potential positron emission tomography imaging agent for cannabinoid type 2 receptor	R. Slavik, U. Grether, A. M. Herde, L. Gobbi, J. Fingerle, C. Ullmer, S. Kramer, R. Schibli, L. Mu, S.M. Ametamey	J. Med. Chem., 58, 4266-4277 (2015)	2015	Switzerland	C18-AR	3um, 50 x 4.6
AP1872	Sensitive and rapid estimation of lapatinib, an anticancer drug in spiked human plasma by LC-MS/MS	P. Singhal, P.A. Shah, J.V. Shah, M. Sanyal, P.S. Shrivastav	Int. J. Pharmacy and Pharmaceutical Sciences, 8 (1), (2016)	2016	India	C18	5um, 100 x 4.6
AP1873	Protective effect of hyperoside against acetaminophen (APAP) induced liver injury through enhancement of APAP clearance	W. Xie, Z. Jiang, J. Wang, X. Zhang, M.F. Melzig	Chemico-Biological Interactions 246, 11-19 (2016)	2016	China	AQ	3um, 200 x 2.1
AP1874	Development of a liquid chromatography/tandem mass spectrometry assay for the quantification of PM01183 (lurbicetidin), a novel antineoplastic agent, in mouse, rat, dog, <i>Cynomolgus</i> monkey and mini-pig plasma	T. Pernice, A.G. Bishop, M.J. Guillen, C. Cuevas, P. Aviles	J. Pharm. & Biomed. Anal., (2016)	2016	Spain	C18-PFP	3um, 30 x 2.1
AP1875	<i>Paeonia lactiflora</i> enhances the adhesion of trophoblast to the endometrium via induction of leukemia inhibitory factor expression	H.-J. Choi, T.-W. Chung, M.-J. Park, K. S. Lee, Y. Yoon, H.S. Kim, J.H. Lee, S.-M. Kwon, S.-O. Lee, K.-J. Kim, J.-H. Baek, K.-T. H.	PLOS ONE (2016)	2016	Korea	C18	5um, 250 x 4.6
AP1876	Chinese herbal medicine Fuzheng Kang-Ai decoction inhibited lung cancer cell growth through AMPK α -mediated induction and interplay of IGFBP1 and FOXO3a	F. Zheng, J. Wu, X. Li, Q. Tang, L. Yang, X. Yang, W. Wu, S.S. Hann	Evidence-based Complementary and Alternative Medicine (2016)	2016	China	C18	5um, 250 x 4.6
AP1877	Formation and biopharmaceutical characterization of electrospun PVP mats with propolis and silver nanoparticles for fast releasing wound dressing	E. Adomaviciute, S. Stanys, M. Zilius, V. Juskaite, A. Pavilonis, V. Briedis	BioMed Research International (2016)	2016	Lithuania	C18	5um, 150 x 0.5
AP1878	N+1 Engineering of an aspartate isomerization hotspot in the complementarity-determining region of a monoclonal antibody	C.N. Patel, S. P. Bauer, J. Davies, J.D. Durbin, T.L. Shivanova, K. Zhang, J.X. Tang	J. Pharm. Sci., 105, 512-518 (2016)	2016	USA	C18-300	3um,
AP1879	Novel approaches to optimize extraction processes of ursolic, oleanolic and rosmarinic acids from <i>Rosmarinus officinalis</i> leaves	J. Bernatoniene, U. Cizauskaite, L. Ivanauskas, V. Kakstas, Z. Kalveniene, D.M.	Industrial Crops and Products, 84, 72-79 (2016)	2016	Lithuania	C18	5um, 250 x 4.6
AP1880	Synthesis and Pharmacological Evaluation of [¹¹ C]Granisetron and [¹⁸ F]Fluoropalonosetron as PET probes for 5-HT ₃ Receptor	L. Mu, A. M. Herde, P. M. Ruefli, F. Sladojevich, S. M. Santhan, S. D. Kraman, A. J.	ACS Chem. Neurosci., 7, 1552-1564 (2016)	2016	Switzerland	C18-AR	3um, 50 x 4.6
AP1881	Total synthesis of (-)-hymenostetin	U. Kahl, L. Andernach, S. Weck, L.P. sandjo, S. Jacob, E. Thines, T. Opatz	J. Org. Chem., 81, 215-228 (2016)	2016	Germany	C18-PFP	5um, 150 x 30

AP1882	Determination of hispidulin in the flowers of <i>Inula viscosa</i> (L.) using HPLC and HPTLC methods	A. Gokbulut	Turkish Journal of Pharmaceutical Sciences, (2016)	2016	Turkey	C18	5um, 250 x 4.6
AP1883	Depot injectable atorvastatin biodegradable in situ gel: development, optimization, in vitro and in vivo evaluation	I.A. Ahmed, I.A. Amaray, A.M. El-Helw, K.M. Hosny, K.M. El-Ghazaly	Drug Design, Development and Therapy, 10, 405-415 (2016)	2016	Egypt	C8	5um, 50 x 2.1
AP1884	A batch correction method for liquid chromatography-mass spectrometry data that does not depend on quality control samples	M. Rusilowicz, M. Dickinson, A. Charlton, S. O'Keefe, J. Wilson	Metabolomics, 12:56 (2016)	2016	UK	AQ	3um, 150 x 3.0
AP1885	Development of a readily applied method to quantify ractopamine residue in meat and bone meal by QuEChERS-LC-MS/MS	V. Gressier, A.K.L. Franzen, G.J.M.M. de Lima, F.C. Tavernari, O.A. Dalla Costa, V. B. Hogenkamp	J. Chrom. B, 1015, 192-200 (2016)	2016	Brazil	C18	5um, 150 x 4.6
AP1886	Multiple reaction monitoring mode based liquid chromatography-mass spectrometry method for simultaneous quantification of brassinolide and other plant hormones involved in abiotic stresses	D.M. Kasote, R. Ghosh, J.Y. Chung, J. Kim, I. Bae, H. Bae	International Journal of Analytical Chemistry (2016)	2016	Korea	UltraCore SuperPhenyl Hexyl	2.5um, 150 x 4.6
AP1887	Ionic liquid supported organotin reagents to prepare molecular imaging and therapy agents	H. Rajerson, D. Pave, A. Roumesy, N. Louaisil, F. Boeda, A. Faivre-Chauvet, J-F Gestin, S. Legrand	Organic and Biomolecular Chemistry, 14, 2121 (2016)	2016	France	C18	3um, 150 x 3.0
AP1888	No major effects of vitamin D3 (1,25 dihydroxyvitamin D3) on absorption and pharmacokinetics of folic acid and fexofenadine in healthy volunteers	G.A. Kullak-Ublick, C. Gubler, K. Spanaus, M.G. Ismail, T. C. da Silva, A. Jetter	Eur. J. Clin. Pharmacol., (2016)	2016	Switzerland	Excel C18-AR	2um, 50 x 2.1
AP1889	A scalable low-cost cGMP process for clinical grade production of the HIV inhibitor 5P12-RANTES in <i>Pichia pastoris</i>	P. Cerini, H. Gaertner, K. Madden, I. Tolstorukov, S. Brown, B. Laukens, N. Callewaert, J. Harner, A.M. Oommen, J.T. Harms, A.R. Sump, R.C. Sealock, D.J. Peterson, S.K. Johnson, S.B. Abewee, M. Moschler, D. G. L. Williams	Protein Expression and Purification 119, 1-10 (2016)	2016	Switzerland	C8-300	3um, 150 x 4.6
AP1890	Cancer-related constituents of strawberry jam as compared with fresh fruit	G. Flores, M.L. Ruiz del Castillo	Cancers 8, (2016)	2016	Spain	C18	5um, 250 x 4.6
AP1891	Physiochemical, nutritional and functional characterization of 10 different pear cultivars (<i>Pyrus</i> spp.)	S-H Yim, S-H Nam	Journal of Applied Botany and Food Quality 89, 73-81 (2016)	2016	Korea	C18	5um, 250 x 4.6
AP1892	Histone deacetylase inhibitors delivery using nanoparticles with intrinsic passive tumour targeting properties for tumour therapy	F. el Bahhaj, I. Denis, L. Pichavant, R. Delatouche, F. Collette, C. Linot, D. Pouliquet, M. Gregoire, V. Heroguez, C. Blanquart, P. Bertrand	Theranostics, 6(6), 795-807 (2016)	2016	France	C18	5um, 250 x 4.6
AP1893	UPLC separation analysis of emtricitabine, tenofovir, cobicistat and elvitegravir from their degradation products	R. N. Lakshmi, P. Prahlad, SK Mastanamma, N. Ravindra, M. Basaveswara	Int. J. Pharm. And Pharm. Sci., 8 (4), 362-369 (2016)	2016	India	C18	2um, 50 x 3.0
AP1894	Accumulation of anthocyanins and flavonols in black currants (<i>Ribes nigrum</i> L.) by pre-harvest methyl jasmonate treatments	G. Flores, M.L.R. del Castillo	J. Sci. Food Agric., (2016)	2016	Spain	C18	5um, 250 x 4.6
AP1895	Effect of ozone treatment on deoxynivalenol and wheat quality	L. Wang, H. Shao, X. Luo, R. Wang, Y. Li, Y. Li, Y. Luo, Z.	PLOS ONE Jan 2016	2016	China	C18-HL	5um, 250 x 4.6
AP1896	Discovery of the first potent and selective inhibitors of human dCTP pyrophosphatase 1	S. Llona-Minguez, A. Hogland, S.A. Jacques, L. Johansson, J.M. Calderon-Montano, M. Claesson, O. Loseva et al	J. Med. Chem., 59, 1140-1148 (2016)	2016	Sweden	C8	3um, 50 x 3.0
AP1897	KAE609 (cipargamin), a new spiroindolone agent for the treatment of malaria: Evaluation of the absorption, distribution, metabolism and excretion of a single oral 300-mg dose of [14C]KAE609 in healthy male subjects	S.W. Huskey, C. Zhu, A. Fredenhagen, J. Kuhnol, A. Luneau, Z. Jian, Z. Yang, Z. Miao, F. Yang, J.P. Jain, G. Sunkara, J.B. Mangold, D.S. Stein	Drug Metab. Dispos., 44, 672-682 (2016)	2016	USA	C18	5um, 50 x 2.1
AP1898	Identification of three novel ring expansion metabolites of KAE609, a new spiroindolone agent for the treatment of malaria, in rats, dogs and humans	S.W. Huskey, C. Zhu, M.M. Lin, R.R. Forseth, H. Gu, O. Simon, F.K. Eggimann, M. Kittelmann, A. Luneau, A. Vargas, H. Li, L. Wang, H.J. Einolf, J. Zhang, S. Favara, H. He, J.B. Mangold	Drug Metab. Dispos., 44, 653-664 (2016)	2016	USA	C8	5um, 50 x 2.1
AP1899	Optimization of microwave-assisted extraction of curcumin from <i>Curcuma longa</i> L. (turmeric) and evaluation of antioxidant activity in multi-test systems	M. Bener, M. Ozyurek, K. Guclu, R. Apak	Records of Natural Products, 10 (5), 542-554 (2016)	2016	Turkey	C18	5um, 250 x 4.6

AP1900	Effect of Perilla frutescens extracts and rosmarinic acid on rat heart mitochondrial functions	L. Raudone, D. Burdulis, R. Raudonis, V. Januis, L. Jankauskiene, P. Viskelis, S. Trumbeckaite	Acta Poloniae Pharmaceutica - Drug Research, 73 (1), 135-145 (2016)	2016	Lithuania	C18	5um, 150 x 4.6
AP1901	Optimization of ultrasound-assisted extraction of arbutin from leaves of Pyrus elaeagnifolia Pallas ssp. elaeagnifolia (Rosaceae) by response surface methodology	M. Donmez Sahin, I. Bulduk	Int. J. Engineering Research and Applications, 6 (1), 79-89 (2016)	2016	Turkey	C18	5um, 250 x 4.6
AP1902	RP-HPLC method for simultaneous estimation of impurities from emtricitabine and tenofovir disoproxil fumarate tablet	A.Mali, U. More	Int. J. Phar. Sci. and Res., 7 (4), 1662-1669 (2016)	2016	India	C18	5um, 250 x 4.6
AP1903	Stability-indicating RP-HPLC methods for the determination of fluorometholone in its mixtures with sodium cromoglycate and tetrahydrozoline hydrochloride	R. El-Bagary, M.A. Fouad, M.A. El-Shal, E.H. Tolva	J. Chrom. Sci., (2016)	2016	Egypt	Generix C18	5um, 250 x 4.6
AP1904	Neurobiological evaluation of thirty-one medicinal plant extracts using microtiter enzyme assays	I.E. Orhan, F.S. Senol, M.Z. Haznedaroglu, H. Koyu, S.A. Erdem, G. Yilmaz, M. Cicek, A.E. Yaprak, E. Ari, N. Kucukboyaci, G. Toker	Clinical Phytoscience, 2 (9), (2016)	2016	Turkey	C18	5um, 150 x 4.6
AP1905	Quantitation of curcuminoid contents, dissolution profile and volatile oil content of turmeric capsules produced at some secondary government hospitals	C. Monton, L. Charoenchai, J. Suksaeree	J. Food and Drug Analysis, (2016)	2016	Thailand	C18-PFP	5um, 250 x 4.6
AP1906	Effects of boiling and oil or vinegar on pickled jurubeba (Solanum paniculatum L.) fruit	M.B. da Silva, L.F.O.S. Rodrigues, T.C. Rossi, M.C. de Souza Vieira, I.O. Minatel, C.D.D. Lima	African Journal of Biotechnology, 15 (6), 125-133 (2016)	2016	Brazil	C18	5um, 250 x 4.6
AP1907	Oral norethogaine shows high brain uptake and anti-withdrawal effects not associated with place preference in rodents	D.C. Mash, B. Ameer, D. Prou, J.F. Howes, E.L. Maillat	Journal of Psychopharmacology (2016)	2016	USA	C18	3um, 50 x 2.1
AP1908	Identification, mechanisms and kinetics of macrolide degradation product formation under controlled environmental conditions	I. Gozlan, I. Koren, D. Avisar	Journal of Environmental and Analytical Chemistry, 3 (1), (2016)	2016	Israel	C18	5um, 250 x 2.1
AP1909	Simultaneous RP-HPLC estimation of cefixime trihydrate and ornidazole in combined tablet dosage form	R. Badmanaban, U.M. Patel, A.S. Patel, C.N. Patel	Int. J. Comprehensive Leading research in Science, 2 (2), 31-48 (2016)	2016	India	C18	5um, 150 x 4.6
AP1910	A study of the possible effect of pomegranate juice on the pharmacokinetics of candesartan in rat plasma by using a bioanalytical method - liquid chromatography/mass spectrometry (LC-MS/MS)	A. Al-Kawaz, W.A. Dayyih, E. Mallah, M. Hamad, T. Arafat	Int. J. Pharmacy and Technology, 8 (1), 10200-10216 (2016)	2016	Jordan	C18	5um, 50 x 2.1
AP1911	Pharmacokinetics of methocarbamol and phenylbutazone in exercised thoroughbred horses	H.K. Nhyen, S.D. Stamey, K.N. Seminoff, D.S. Mckemie, P.H. "	J. Vet. Pharmacol. Therap. (2016)	2016	USA	C18	3um, 100 x 2.1
AP1912	Highly sensitive LC-MS/MS-ESI method for determination of phenelzine in human plasma and its applications to a human pharmacokinetic study	R.R. Kallem, B. Jillela, A.R. Ravula, R. Samala, A. Andy, M. Ramesh, JVLN S. Rao	J. Chrom. B, 1022, 126-132 (2016)	2016	India	C18	5um, 100 x 4.6
AP1913	Determination of synthetic food colorants in powder beverage samples by on-line HPLC-Cupric reducing antioxidant capacity (CUPRAC) assay with post-column detection	F.A. O. Olgun, B.D. Ozturk, R. Apak	Chromatographia, 79, 199-2018 (2016)	2016	Turkey	C18	5um, 250 x 4.6
AP1914	Highly oxygenated sesquiterpene lactones from Cousinia aitchisonii and their cytotoxic properties: Rhaserolide induces apoptosis in human T lymphocyte (Jurkat) cells via the activation of c-Jun N-terminal kinase phosphorylation	M. Transnany, Z. Tayarani-Najaran, J. Kasaian, M. Ghandadi, S.A. Emami, J. Asili, J.N. Chandran, B. Schneider, M. Taghizadeh	Phytotherapy Research, 30, 222-226 (2016)	2016	Iran	C18	5um, 250 x 21.2
AP1915	Metabolomic profiling of post-mortem brain reveals changes in amino acid and glucose metabolism in mental illness compared with controls (supplementary info available)	R. Zhang, T. Zhang, A.M. Ali, M. A. Washih, B. Pickard, D.G. Watson	Computational and Structural Biotechnology Journal, 14, 106-116 (2016)	2016	UK	C18	3um, 150 x 3.0
AP1916	Influence of chitosan coating on protein-based nanohydrogels properties and in vitro gastric digestibility	A.I. Bourbon, A.C. Pinheiro, M.A. Cerqueira, A.A. Vicente	Food Hydrocolloids, 60 109-118 (2016)	2016	Portugal	C18	5um, 250 x 4.6
AP1917	Evaluation of chemical properties for cold pressed onion, okra, rosehip, safflower and carrot seed oils: Triglyceride, fatty acid and tocopherol compositions	M. Topkafa	Analytical Methods, (2016)	2016	Turkey	C18	5um, 250 x 4.0
AP1918	An implementation of central composite design: Effect of microwave and conventional heating techniques on the triglyceride composition and trans isomer formation in corn oil	M. Topkafa, H.F. Ayyildiz	International Journal of Food Properties, (2016)	2016	Turkey	C18	5um, 250 x 4.0
AP1919	Pharmacokinetics of mangiferin and its metabolite - moranthyrol, Part I: Systemic evaluation of hepatic first-pass effect in vitro and in vivo	X. Tian, Y. Gao, Z. Xu, S. Lian, Y. Ma, X. Guo, P. Hu, Z. Li, C. Huang	BioFactors (2016)	2016	China	C18	3um, 100 x 2.1

AP1920	Forensic electrochemistry: simultaneous voltammetric detection of MDMA and its fatal counterpart 'Dr Death' (PMA)	L.R. Cumba, J.P. Smith, K.Y. Zuway, O.B. Sutcliffe, D.R. do Carmo, C.E. Banks	Anal. Methods, 8, 142-152 (2016)	2016	UK	C18	3um, 150 x 4.6
AP1921	Cyanobacteria and eukaryotic algae use different chemical variants of vitamin B12	K.E. Helliwell, A.D. Lawrence, A. Holzer, U.J. Kudahl, S. Sasso, B. Krautler, D.J. Scanlan, M.J. Warren, A.G. Smith	Current Biology, 26, 999-1008 (2016)	2016	UK	AQ	5um, 150 x 2.1
AP1922	Effect of bee venom and its fractions on the release of pro-inflammatory cytokines in PMA-differentiated U937 cells co-stimulated with LPS - supplementary info available	J. Tusimire, J. Wallace, N. Woods, M.J. Duffton, J.A. Parkinson, G. Abbott, C.J. Clements, L. Young, J.K. park, J.W. jeon, V.A. Ferro, D.G.	Vaccines, 4, 11 (2016)	2016	UK	C18	3um, 150 x 3.0
AP1923	Evaluation pf the topical spray containing Centella asiatica extract and its efficacy on excision wounds in rats	S. Sawatdee, K. Choochuay, W. Chanthorn, T. Srichana	Acta Pharm. 66, 233-244 (2016)	2016	Thailand	C18-AR	5um, 250 x 4.6
AP1924	Towards improved membrane production: using low-toxicity solvents for the preparation of PEEK nanofiltration membranes	J. da Silva Burgal, L. Peeva, A. Livingston	Green Chem., 18, 2374-2384 (2016)	2016	UK	C18-300	5um
AP1925	Effect of the sphingosine kinase 1 selective inhibitor, PF-543 on arterial and cardiac remodeling in a hypoxic model of pulmonary arterial hypertension	N. MacRitchie, G. Volpert, M.A. Washih, D.G. Watson, A.H. Futerman, S. Kennedy, S. Pyne, N.J. Pyne	Cellular Signalling, 28, 946-955 (2016)	2016	UK	C18	3um, 150 x 3.0
AP1926	Plackett-Burman design and fragmentation studies to assist the comparison of techniques used to extract phospholipids prior to regiospecific characterization by liquid chromatography mass spectrometry	P. Araujo, H. Zhu, J.F. Breivik, J.I. Hjelle, Y. Zeng, S.A. Mjos	American Journal of Modern Chromatography, 3 (1), 1-22, (2016)	2016	Norway	C18	5um, 125 x 2.1
AP1927	Development and validation of an LC-ESI-MS/MS method for the simultaneous quantification of naproxen and sumatriptan in human plasma: application to a pharmacokinetic study	J.M. Bretas, R.C. Cesar, C.M. Bretas, L. De Souza Teixeira, K.B. Bellorio, I.M. Mundim, G.A. ...	2016 Bioanal. Chem., 408, 3981-3992 (2016)	2016	Brazil	C18	5um, 50 x 4.6
AP1928	Biology of preimplantation conceptus at the onset of elongation in dairy cows	E.S. Ribeiro, L.F. Greco, R.S. Bisinotto, F.S. Lima, W.W. Thatcher, J.E. Santos	Biology of Reproduction, 94 (4), 97, 1-18 (2016)	2016	USA	C18-PFP	2um, 100 x 2.1
AP1929	The role of acid-base imbalance in statin-induced myotoxicity	D.A. Taha, C.H. de Moor, D.A. Barrett, J.B. Lee, R.D. Gandhi, C.W. Hoo, P. Gershkovich	Translational Research, The Journal of Laboratory and Clinical Medicine (2016)	2016	UK	Excel SuperC18	3um, 100 x 3.0
AP1930	Design and synthesis of tesirine, a clinical antibody-drug conjugate pyrrolbenzodiazepine dimer payload	A.C. Thierigmen, J. Levy, L.A. Masterson, N.V. Patel, L.R. Adams, S. Corbett, D.G. Williams, J.A. Hartley, P.W.	ACS Medicinal Chemistry Letters (2016)	2016	UK	Excel C18-AR	2um, 100 x 3.0
AP1931	Development and validation for simultaneous estimation of quinapril hydrochloride and hydrochlorothiazide in tablet dosage form by RP-HPLC	R.K. Govinda, D.K. Mrudula, M. Pavani	World Journal of Pharmaceutical Research, 5 (30), 1295 (2016)	2016	India	C18	5um, 150 x 4.6
AP1932	Systematic investigation of EDC/sNHS-mediated bioconjugation reactions for carboxylated peptide substrates	K.A. Totaro, X. Liao, K. Bhattacharya, J.I. Finneman, J.B. Sperry, M.A. Massa, J. Thorn, S.V. Ho, B.L. Pentelute	Bioconjugate Chemistry, 27, 994-1004 (2016)	2016	USA	C18-AR	3um, 150 x 4.6
AP1933	Biological effects of 6-formylindolo[3,2-b]carbazole (FICZ) in vivo are enhanced by loss of CYP1A function in an Ahr2-dependent manner	W. Wincent, A. Kubota, A. Timme-Laragy, M.E. Jonsson, M.E. Hahn, J.J. Stegeman	Biochemical Pharmacology, 110-111, 117-129 (2016)	2016	India	C18-AR	5um, 150 x 4.6
AP1934	Synthesis and antimicrobial evaluation of two peptide LyeTx 1 derivatives modified with the chelating agent HYNIC for radiolabelling with technetium-99m	L.L. Fuscaldi, D.M. dos Santos, N.G.S. Pinheiro, R.S. Araujo, A.L.B. de Barros, J.M. Resende, S.O. A. Fernandes, M.E. de Lima, V.N. Cardoso	Journal of venomous Animals and Toxins including Tropical Diseases, 22 (16), (2016)	2016	Brazil	C8	5um, 250 x 4.6
AP1935	Development and validation of a HPLC-UV method for determination of Proscillaridin A in Drimia maritime	M. Bozorgi, G. Amin, S. Kasebzade, M. Shekarchi	Research Journal of Pharmacognosy, 3 (3), 1-7 (2016)	2016	Iran	C18	5um, 250 x 4.6
AP1936	Isoflavones and biotransformed dihydrodaidzein in hairy roots of Korean wild arrowroot	E. Lee, T-H. Park	J. Plant Biotechnol. 43, 125-131 (2016)	2016	Korea	C18	5um, 250 x 4.6
AP1937	Embryonic stage-dependent teratogenicity of ketamine in zebrafish (Danio rerio)	L.M. Felix, C. Serafim, A.M. Valentim, L.M. Antunes, S. Campos, M. Matos, A.M. Coimbra	Chemical Research in Toxicology (2016)	2016	Portugal	UltraCore SuperC18	5um, 150 x 4.6

AP1938	An integrated multi-omics approach reveals the effects of supplementing grass or grass hay with vitamin E on the rumen microbiome and its function	A. Belanche, A.H. Kingston-Smith, C.J. Newbold	Frontiers in Microbiology, 7 (905), (2016)	2016	UK	SIL	5um, 150 x 4.6
AP1939	Uptake of 8:2 perfluoroalkyl phosphate diester and its degradation products by carrot and lettuce from compost-amended soil	L. Bizkarguenaga, I. Zabaleta, A. Prieto, L.A. Fernandez, O.	Chemosphere, 152, 309–317 (2016)	2016	Spain	UltraCore SuperC18	2.5um, 50 x 2.1
AP1940	Novel cyclobutene and cyclobutane-functionalized fatty acids are incorporated into complex lipids and impact function of HepG2 cells	C. Ahowesso, W. Sittiwong, J.W. Allen, N. Wase, B. Tu, J. Adamec, P.H. Dussault, P.N. Black, C.C. DiRusso	Metabolomics, 6 (2), (2016)	2016	USA	C8–300	5um, 100 x 2.1
AP1941	Chemical characterization of Nigerian red propolis and its biological activity against Trypanosoma brucei	R.M.K. Omar, J. Igoli, A.I. Gray, G.U. Ebiloma, C. Clements, J. Fearley, R.A.E. Ebel, T. Zhang, H.P. de Koning, D.G. Watson	Phytochemical analysis, 27, 107–115 (2016)	2016	UK	C18	3um, 150 x 3.0
AP1942	Chemical and antimicrobial profiling of propolis from different regions within Libya	W. Siheri, T. Zhang, G.U. Ebiloma, M. Biddau, N. Woods, M.Y. Hussain, C.J. Clements, J. Feranley, R.E. Evel, T. Paget, S. Muller, K.C. Carter, V.A. Ferro, H.P. De Koning, D.G. Watson	PLOS ONE (2016)	2016	UK	C18	3um, 150 x 3.0
AP1943	Determination of fenofibric acid in human plasma by LC-MS/MS and LC-UV	T. Arafat, B. Arafat, A.A. Awwad, O.J. Schmitz	Chromatographia 79, 685–692 (2016)	2016	Jordan	C18	50 x 2.1, 50 x 4.6
AP1944	Chromatographic analysis of Polygalae Radix by online hyphenating pressurized liquid extraction (supplementary info available as well)	Y. Song, Q. Song, J. Li, S. Shi, L. Guo, Y. Zhao, Y. Jiang, P. Tu	Scientific Reports, 6, 27303 (2016)	2016	China	UltraCore SuperC18	2.5, 100 x 2.1
AP1945	In vitro evaluation of metal chelators as potential metallo-β-lactamase inhibitors	R. Azumah, J. Dutta, A.M. Somboro, M. Ramtahal, L. Chonco, R. Parboosing, L.A. Bester, H.G. Kruger, T. Naicher, S.Y. Essack, T. Govender	Journal of Applied Microbiology, 120, 860–867 (2016)	2016	South Africa	C18	5um, 150 x 21.2
AP1946	Replenishment and mobilization of intracellular nitrogen pools decouples wine yeast nitrogen uptake from growth	A. Gutierrez, M. Sancho, G. Beltran, J.M. Guillaumon, J. Warringer	Applied Microbial and Cell Physiology, 100, 3255–3265 (2016)	2016	Sweden	C18–HL	5um, 250 x 4.6
AP1947	CETSA screening identifies known and novel thymidylate synthase inhibitors and slow intracellular activation of 5-fluorouracil	H. Almqvist, H. Axelsson, R. Jafari, C. Dan, A. Mateus, M. Haraldsson, A. Larsson, D. M. Molina, P. Artursson, T. Lundback, P. Nordlund	Nature Communications, (2016)	2016	Sweden	C8	3um, 50 x 3.0
AP1948	Lipotoxicity in steatohepatitis occurs despite an increase in tricarboxylic acid cycle activity	R.E. Patterson, S. Kalavalapalli, C.M. Williams, M. Nautiyal, J.T. Mathew, J. Martinez, M.K. Reinhard, D.J. McDougall, J.R. Rocca, R.A. Yost, K. Cusi, T.J. Garrett, N.E. Sunny	Am. J. Physiol. Endocrinol. Metab., 310, E484–E494 (2016)	2016	USA	C18–PFP	2um, 100 x 2.1
AP1949	Difference in the pharmacokinetics and hepatic metabolism of antidiabetic drugs in Zucker diabetic fatty and Sprague-Dawley rats	X. Zhou, L.R.A. Rougee, D.W. Bedwell, J.W. Cramer, M.A. Mohutsky, N.A. Calvert, R.D. Moulton, K.C. Cassidy, N.P. Yumibe, L.A. Adams, K.J. Ruterbories	Drug Metabolism and Disposition, 44, 1184–1192 (2016)	2016	USA	UltraCore SuperC18	5um, 30 x 2.1
AP1950	Low-dose lipopolysaccharide (LPS) inhibits aggressive and augments depressive behaviours in a chronic mild stress model in mice	Y. Couch, A. Trofimov, N. Markova, V. Nikolenko, H.W. Steinbusch, V. Chekhonin, C. Schroeter, K-P. Lesch, D.C. Anthony, T. Strekalova	Journal of Neuroinflammation, 13: 108 (2016)	2016	UK	C18	3um, 100 x 2.1
AP1951	Hypericum perforatum improve memory and learning in Alzheimer's model: (Experimental study in mice)	K. Zerrouki, N. Djebli, E.E. Ozkan, N. Ozsoy, O. Gul, A. Mat	Int. J. Pharm. Pharm. Sci., 8 (8), 49–57 (2016)	2016	Algeria	C18	5um, 250 x 4.6
AP1952	Process development of the synthesis and purification of a reactive immune-PET conjugate intermediate	D.E. Carrera, T. Nguyen, C. Medley, Y. Li, R. Angelaud, F. Cosselin	Org. Process Res. Dev., 20, 312–318 (2016)	2016	USA	C18–HL	3um, 50 x 3.0

AP1953	A LC-MS/MS assay for the quantitative determination of 2-pyridyl acetic acid, a major metabolite and key surrogate for betahistine, using low volume human K2EDTA plasma	K. Soni, C. Bhatt, K. Singh, PC Bhuvaneshwari, A. Jha, P. Patel, H. Patel, NR Srinivas	J. Biomed. Chrom. (2016)	2016	India	CN	5um, 50 x 4.6
AP1954	Green extraction technique: Subcritical water extraction of Emilia sonchifolia (L.)	O. Anurukvorakun	World Journal of Environmental Research, 6 91), 2–6 (2016)	2016	Thailand	C18-AR	5um, 250 x 4.6
AP1955	Proximate composition and nutritional profile of the black sea anchovy (Engraulis encrasicolus) whole fish, fillets and by-products	G. Gencbay, S. Turhan	Journal of Aquatic Food Product Technology (2016)	2016	Turkey	C18-300	5um, 250 x 4.6
AP1956	Determination of tricyclic antidepressants in biota tissue and environmental waters by liquid chromatography-tandem mass spectrometry	H. Ziarrusta, L. Mijangos, A. Prieto, N. Etxebarria, O. Zuloaga, M. Olivares	Anal. Bioanal. Chem., 408, 1205–1216 (2016)	2016	Spain	UltraCore SuperC18	2.5um, 50 x 2.1
AP1957	Ocular metabolism of levobunolol: Historic and emerging metabolic pathways	U.A. Argikar, J.L. Dumouchel, C.E. Dunne, C. Saran, A.L. Cirello, M. Gunduz	Drug Metabolism and Disposition 44, 1304–1312 (2016)	2016	Italy	C18	3um
AP1958	Pyrrolizidine alkaloid-protein adducts: Potential non-invasive biomarkers of pyrrolizidine alkaloid-induced liver toxicity and exposure	Q. Xia, Y. Zhao, G. Lin, F.A. Beland, L. Cai, P.P. Fu	Chem. Res. Toxicol., (2016)	2016	USA	AQ	5um, 50 x 2.1
AP1959	Coproporphyrins in plasma and urine can be appropriate clinical biomarkers to recapitulate drug-drug interactions mediated by organic anion transporting polypeptide inhibition (supplementary info available)	Y. Lai, S. Mandlekar, H. Shen, V.K. Holenarsipur, R. Langish, P. Rajanna, S. Murugesan, N. Gaud, S. Selvam, O. Date, Y. Cheng, P. Shipkova, J. Dai, W.G. Humphreys, P. Marathe	J. Pharmacol. Exp. Ther. 358, 397–404 (2016)	2016	India	Excel C18	2um, 150 x 2.1
AP1960	Ultrafiltration-based extraction and HPLC analysis of naproxen sodium in human plasma samples: An innovative approach to pharmaceutical analysis	M. Celebier, M. Nenni, S. Altinoz	Pharmaceutical Chemistry Journal, 50 (4), (2016)	2016	Turkey	C18	5um, 150 x 4.6
AP1961	Synthesis and evaluation of novel 7- and 8-aminophenoxazinones for the detection of β -alanine aminopeptidase activity and the reliable identification of Pseudomonas aeruginosa in clinical samples	A.F. Bedernjak, A.V. Zaytsev, M. Babolat, M. Cellier, A.L. James, S. Orenge, J.D. Perry, P.W. Groundwater, R.J. Anderson	J. Med. Chem., 59, 4476–4487 (2016)	2016	UK	C18	5um, 250 x 4.6
AP1962	New procedure to obtain polyphenol-enriched grapes based on the use of chemical elicitors	G. Flores, M.L. Ruiz del Castillo	Plant Foods Hum. Nutr. 71, 239–244 2016	2016	Spain	C18	5um, 250 x 4.6
AP1963	Discovery of a high affinity and selective pyridine analog as a potential positron emission tomography imaging agent for cannabinoid type 2 receptor	R. Slavik, U. Grether, A.M. Herde, L. Gobbi, J. Fingerle, C. Ullmer, S.D. Kramer, R. Schibli, L. Mu, S.M. Ametamey	J. Med. Chem., 58, 4266–4277 (2016)	2016	Switzerland	C18-AR	3um, 50 x 4.6
AP1964	Sensitive profiling of phenols, bile acids, sterols and eicosanoids in mammalian urine by large volume direct injection-online solid phase extraction-ultra high performance liquid chromatography-polarity switching tandem mass spectrometry	Y. Liu, Q. Song, J. Zheng, J. Li, Y. Zhao, C. Li, Y. Song, P. Tu	RSC Adv., 6, 81826–81837 (2016)	2016	China	UltraCore SuperC18	2.5um, 150 x 3.0
AP1965	Quantitative determination of saroglitazar, a predominantly PPAR alpha agonist, in human plasma by a LC-MS/MS method utilizing electrospray ionization in a positive mode	A. Ghognani, K. Dash, C. Bhatt, K. Singh, A. Jha, H. Patel, R. Gupta, K. Kansagra, N.R.	Biomed. Chromatogr. 1–8 (2016)	2016	India	C18	5um, 100 x 4.6
AP1966	β -Methylphenylethylamines: common fragmentation pathways with amphetamines in electrospray ionization collision-induced dissociation (supplementary info available)	D.H. Brown, R. Hansson, F. Oosthuizen, N. Sumner	Drug Test. Analysis, 8, 344–350 (2016)	2016	Australia	Excel SuperC18	3um, 100 x 3.0
AP1967	Selection and identification of molecular gold clusters at the nano(gram) scale: Reversed-phase HPLC-ESI-MS of a mixture of Au-Peth MPCs	D.M. Black, N. Bhattarai, S.B.H. Bach, R.L. Whetten	J. Phys. Chem. Lett. 7, 3199–3205 (2016)	2016	USA	Phenyl-300	3um, 150 x 0.5
AP1968	Analgesic exposure in pregnant rats affects fetal germ cell development with inter-generational reproductive consequences	A. Dean, S. van den Driesche, Y. Wang, C. McKinnell, S. Macpherson, S.L. Eddie, H. Kinnell, P. Hurtado-Gonzalez, T.J. Chambers, K. Stevenson, E. Wolfinger, L. Hrabalkova, A. Calarrao, R.A. L. Bayne, C.P. Hagen, R.T. Mitchell, R.A. Anderson, R.M. Sharpe	Nature (2016)	2016	UK	Excel SuperC18	2um, 150 x 3.0
AP1969	The novel chemical mechanism of the twister ribozyme	T.J. Wilson, Y. Liu, C. Domnick, S. Kath-Schorr, D.M.J. Lilley	J. Am. Chem. Soc. 138, 6151–6162 (2016)	2016	UK	C18-AR	5um, 250 x 4.6

AP1970	Chromatographic determination of aminoacridine hydrochloride, lidocaine hydrochloride and lidocaine toxic impurity in oral gel	L.I. Bebawy, M.R. Elghobashy, S.S. Abbas, R.F. Shokry	J. Chrom. Sci., 54 (4), 492-499 (2016)	2016	Egypt	C18	5um, 250 x 4.6
AP1971	Effect of BCRP and P-gp modulators on the penetration of aflatoxin B1 into the mouse brain	B. Tras, G. Cetin, K. Uney, B. Dik, O. Corum, S. Atalay	Kafkas Univ Vet Fak Derg, (2016)	2016	Turkey	C18	5um, 250 x 4.6
AP1972	Identification of DYRK1B as a substrate of ERK1/2 and characterization of the kinase activity of DYRK1B mutants from cancer and metabolic syndrome	A.L. Ashford, T.P.J. Dunkley, M. Cockerill, R.A. Rowlinson, L.M. Baak, R. Gallo, K. Balmanno, L.M. Goodwin, R.A. Ward, P.A. Lochhead, S. Guichard, K. Hudson, S.J. Cook	Cellular and Molecular Life Sciences, 73, 883-900 (2016)	2016	UK	C18	150 x 0.075
AP1973	7-N-Acetylcysteine-pyrrole conjugate - A potent DNA reactive metabolite of pyrrolizidine alkaloids	X. He, L. Ma, Q. Xia, P. Fu	Journal of Food and Drug Analysis, (2016)	2016	USA	C18	3um, 150 x 4.6
AP1974	Discovery of isoquinolinoquinazolinones as a novel class of potent PPAR γ antagonists with anti-adipogenic effects	Y. Jin, Y. Han, D.B. Khadka, C. Zhao, K.Y. Lee, W. Cho	Nature - Scientific Reports Oct. 2016	2016	Korea	C18-HL	250 x 2.1
AP1975	Development of curcumin liposome formulations using polyol dilution method	L. Kongkaneramt, P. Aiemsu-ang, P. Kewsuan	Songklanakarin Journal of Science and Technology (2016)	2016	Thailand	C18	150 x 4.6
AP1976	Transformation of eutectic emulsion to nanosuspension fabricating with solvent evaporation and ultrasonication technique	T. Phaechamud, S. Tuntarawongsa	International Journal of Nanomedicine, 11, 2855-2865	2016	Thailand	C18	5um, 250 x 4.6
AP1977	Evaluation of an amide-based stationary phase for supercritical fluid chromatography	A.C. Borges-Munoz, L.A. Colon	J. Sep. Sci., 39, 3469-3476 (2016)	2016	USA	C18-Amide	3um, 150 x 3.0
AP1978	Analysis of non-derivatised bacteriophanepolyols by ultrahigh performance liquid chromatography-tandem mass spectrometry	H.M. Talbot, F.R. Sidgwick, J. Bischoff, K.A. Osborne, D. Rush, A. Sherry, C.L. Spencer-Jones	Rapid Communications in Mass Spectrometry, (2016)	2016	UK	Excel C18	2um, 100 x 2.1
AP1979	Do CAD/CAM dentures really release less monomer than conventional dentures?	T. Steinmassl, V. Wiedemann, C. Huck, F. Klaunzer, O. Steinmassl, I. Grunert, H. Dunscheit	Clin. Oral Invest., (2016)	2016	Austria	C18	5um, 150 x 4.6
AP1980	Prebiotic administration normalizes lipopolysaccharide (LPS)-induced anxiety and cortical 5-HT2A receptor and IL1- β levels in male mice	H.M. Savignac, Y. Couch, M. Stratford, D.M. Bannerman, G. Tzortzis, D.C. Anthony, P.W.J. Burnet	Brain Behav. Immun. 52, 120-131 (2016)	2016	UK	C18	3um, 125 x 3.0
AP1981	The anti-malarial atovaquone increases radiosensitivity by alleviating tumour hypoxia	T.M. Ashton, E. Fokas, L.A. Kunz-Schughart, L.K. Folkes, S. Anbalagan, M. Huether, C.J. Kelly, G. Pirovano, F.M. Buffa, E.M. Hammond, M. Stratford, R.J. Muschel, G.S. Higgins, W.G. McKenna	Nature Communications, (2016)	2016	UK	C18	3um, 125 x 3.0
AP1982	Effect of brewing process and sugar content on 5-hydroxymethylfurfural and related substances from Turkish coffees	M. Mortas, O. Gul, F. Yazici, M. Dervisoglu	International Journal of Food Properties (2016)	2016	Turkey	C18	5um, 250 x 4.6
AP1983	Dereplication of cytotoxic compounds from different parts of Sophora pachycarpa using an integrated method of HPLC, LC-MS and 1H-NMR techniques (supplementary material available)	S. Shour, M. Iranshahy, N. Pham, R.J. Quinn, M. Iranshahi	Natural Product Research, (2016)	2016	Iran	C18	5um, 250 x 21.2
AP1984	Anti-mycobacterial assessment and characterization of 5-O-caffeoylquinic acid methyl ester and rutin from Pavetta crassipes	P.O. Odumosu, W.J. Lough, D. Yakubu, K. Thomas, G. Williamson, N. Haroune	J. App. Pharm. Sci., 6 (10), 1-7 (2016)	2016	UK	C18	5um, 250 x 4.6
AP1985	Determination of nucleosides in serum by LC-MS/MS following protein precipitation with organic solvent	S.F. Guedes, C.L. Mendes, R. AparecidaLoss	Int. J. Latest Research in Science and Technology, 5 (4), 49-53 (2016)	2016	Brazil	C18	3um, 150 x 4.6
AP1986	Simultaneous determination of δ neurotransmitters and their metabolite levels in rat brain using liquid chromatography in tandem with mass spectrometry: Application to the murine Nrf2 model of neurodegeneration	A. Wojnicz, J.A. Ortiz, A.I. Casas, A.E. Freitas, M.G. Lopez, A. Ruiz-Nuno	Clinica Chimica Acta, 453, 174-181 (2016)	2016	Spain	C18-PFP	3um, 150 x 4.6
AP1987	New cytotoxic callipeltins from the Solomon Island marine sponge Asteropus sp.	M. Stenrot, K.O. Hansen, M. Sharma, K. Feussner, K. Subko, F.F. Diaz-Rullo, J. Isaksson, I. Perez-Victoria, D. Clarke, E. Hansen, M. Jaspars, J.N. R. H. Hansen	Tetrahedron, 72, 6929-6934 (2016)	2016	UK	C18-HL	50 x 10
AP1988	A novel short anionic antibacterial peptide isolated from the skin of Xenopus laevis with broad antibacterial activity and inhibitory activity against breast cancer cell	S. Li, L. Hao, W. Bao, P. Zhang, D. Su, Y. Cheng, L. Lie, G. Wang, F. Hou, Y. Yang	Arch. Microbiol. 198, 473-482 (2016)	2016	China	C8-300	250 x 10

AP1989	Selective enrichment in bioactive compound from Kniphofia uvaria by super/subcritical fluid extraction and centrifugal partition chromatography	J. Duval, E. Destandau, V. Pecher, M. Poujol, J-F. Tranchant, E. Lesallier	J. Chrom. A, 1447, 26–38 (2016)	2016	France	C4	5um
AP1990	Pharmacokinetics of guaifenesin following administration of multiple doses to exercised thoroughbred horses	H.K. Knych, S.D. Stanley, D. Benson, R.M. Arthur	J. Vet. Pharmacol. Therap. 39, 416–419 (2016)	2016	USA	C18	3um, 100 x 2.1
AP1991	Elimination of cetirizine following administration of multiple doses to exercised thoroughbred horses	H. K. Knych, S.D. Stanley, R.M. Arthur, D.S. McKemie	J. Vet. Pharmacol. Therap., (2016)	2016	USA	C18	3um, 100 x 2.1
AP1992	Synthesis of [14C]omarigliptin	S. Ren, D. Gauthier, R. Marques, R. Helmy, D. Hesk	J. Label Compd. Radiopharm., 59, 386–390 (2016)	2016	USA	C18	3um, 150 x 3.0
AP1993	Isotope dilution UPLC-APCI-MS/MS method for the quantitative measurement of aromatic diamines in human urine: Biomarkers of diisocyanate exposure	D. Bhandari, J. Ruhl, A. Murphy, E. McGahee, D. Chambers, B.C. Blount	Anal. Chem., 88, 10687–10692 (2016)	2016	USA	Excel SuperC18	2um, 100 x 2.1
AP1994	Metabolomics of aging assessed in individual parasitoid wasps	A. Kapranas, C.J.P. Snart, H. Williams, I.C.W. Hardy, D.A. Barrett	Nature Scientific Reports, 2016	2016	UK	Excel SuperC18	2um, 50 x 2.1
AP1995	Aflatoxin contamination detected in nutrient and anti-oxidant rich edible stink bug stored in recycled grain containers	R. Musundire, I. M. Osuga, X. Cheseto, J. Irungu, B. Torto	PLOS one (2016)	2016	Kenya	C18	5um, 250 x 4.6
AP1996	Biomimetic sniffing improves the detection performance of a 3D printed nose of a dog and a commercial trace vapor detector	M.E. Staymates, W.A. MacCrehan, J.L. Staymates, R.R. Kunz, T. Mendum, T-H. Ong, G. Geurtsen, G.J. Gillen, B.A.	Nature Scientific Reports, 2016	2016	USA	C18	3um, 150 x 3.0
AP1997	Long-term stability and reusability of molecularly imprinted polymers	G. Kupa, M. Kazan, S. Buyuktiryaki, R. Kecili, G.	Polymer Chemistry, (2016)	2016	UK	C18–300	5um, 250 x 4.6
AP1998	Resolution of a disputed albendazole result in the UK official control system - time for more guidance?	M. Walker, K. Gray, C. Hopley, C. Mussell, L. Clifford, J. Meinerikandathevan, L. Firpo, J.	Food Additives & Contaminants: Part A (2016)	2016	UK	Excel C18–AR	2um, 150 x 3.0
AP1999	Qualitative investigation of the decomposition of organic solvent based lithium ion battery electrolytes with LC-IT-TOF-MS	C. Schultz, S. Vedder, M. Winter, S. Nowak	Anal. Chem., 88, 11160–11168 (2016)	2016	Germany	Excel C18–Amide	2um, 100 x 2.1
AP2000	Bioequivalence study of darunavir ethanolate and darunavir propylene glycolate tablets 800mg in healthy volunteer conditions	A.T. Bapuji, M. Nagesh, K.B. Kumar, K.S.S.V.D. Rao, S.M.K. Muthoju, H. L.V. Ravikiran	Scienia Ricerca (2016)	2016	India	C18	5um, 100 x 4.6
AP2001	Dietary fats and pharmaceutical lipid excipients increase systemic exposure to orally administered cannabis	A. Zgair, J.C.M. Wong, J.B. Lee, J. Mistry, O. Sivak, K.M. wasan, I.M. Hennig, D.A. Barrett, C.S. Constantinescu, P.M. Fischer, P. Gershkovich	Am. J. Transl. Res., 8 (8), 3448–3459 (2016)	2016	UK		
AP2002	Trypanosoma brucei methylthioadenosine phosphorylase protects the parasite from the antitrypanosomal effect of deoxyadenosine	M. vonnana, F. Kanjorian, A. Pavlova, H.P. de Konig, A.	J. Biol. Chem., 291 (22), 11717–11726 (2016)	2016	Sweden	UltraCore SuperC18	2.5um, 50 x 2.1
AP2003	Simultaneous analysis of major ingredients of Gardenia fruit by HPLC-MS/TQMS method	M. Galaqin, K. Uwai, M.Yuguchi, T. Iwasa	Mongolian Journal of Chemistry, 17 (43), 34–37 (2016)	2016	China	C8	5um, 100 x 2.1
AP2004	Multiresidue analysis of cephalosporin antibiotics in bovine milk based on molecularly imprinted polymer extraction followed by liquid chromatography–tandem mass spectrometry	A. N. Baeza, J.L. Urraca, R. Chamorro, G. Orellana, M. Castellari, M.C. Moreno-Bondi	J. Chrom. A, 1474, 121–129 (2016)	2016	Spain	C18–PFP	2um, 100 x 2.1
AP2005	Molecularly imprinted polymer beads for clen-up and preconcentration of β -lactamase-resistant penicillins in milk	J.L. Urraca, R. Chamorro-Mendiluce, G. Orellana, M. C. Moreno-Bondi	Anal. Bioanal. Chem., 408, 1843–1854 (2016)	2016	Spain	C18–PFP	2um, 100 x 2.1
AP2006	Development of magnetic molecularly imprinted polymers for selective extraction: determination of citrinin in rice samples by liquid chromatography with UV diode array detection	J.L. Urraca, J.F. Huertas-Perez, G.A. Cazorla, J. Gracia-Mora, A.M. Garcia-Campana, M.C. Moreno-Bondi	Anal. Bioanal. Chem., 408, 3033–3042 (2016)	2016	Spain	C18–PFP	2um, 100 x 2.1
AP2007	Simultaneous monitoring of monoamines, amino acids, nucleotides and neuropeptides by liquid chromatography–tandem mass spectrometry and its application to neurosecretion in bovine chromaffin cells	A. Wojnicz, J. Avendano-Ortiz, R. de Pascual, L. Ruiz-Pascual, A.G. Garcia, A. Ruiz-Nuno	J. Mass Spectrom., 51, 651–664 (2016)	2016	Spain	C18–PFP	3um, 150 x 4.6
AP2008	Synthesis of 1-naphthol by a natural peroxygenase engineered by directed evolution	P. Molina-Espeja, M. Canellas, F.J. Plou, M. Hofrichter, F. Lucas, V. Guallar, M. Alcalde	ChemBioChem, 17, 341–349 (2016)	2016	Spain	C18–PFP	150 x 4.6
AP2009	Analysis of sulphate metabolites of the doping agents oxandrolone and danazol using high performance liquid chromatography coupled to tandem mass spectrometry	S. Rzeppa, L. Viet	J. Chrom. B, 1029–1030 1–9 (2016)	2016	Norway	C18–PFP	3um, 150 x 2.1

AP2010	Estimation of tulathromycin depletion in plasma and milk after subcutaneous injection in lactating goats using a nonlinear mixed-effects pharmacokinetic modelling approach	Z. Lin, M. Cuneo, J.D. Rowe, M. Li, L.A. Tell, S. Allison, J. Carlson, J.E. Riviere, R. Gehring	BMC Veterinary Research, 12 (258) (2016)	2016	USA	C8	3um, 50 x 2.1
AP2011	Valorization of solid wastes from chestnut industry processing. Extraction and optimization of polyphenols, tannins and ellagitannins and its potential for adhesives, cosmetic and pharmaceutical industries	A. Aires, R. Carvalho, M.J. Saavedra	Waste Management, 48, 457-464 (2016)	2016	Portugal	C18	5um, 250 x 4.6
AP2012	In vitro studies of an aged black garlic extract enriched in S-allylcysteine and polyphenols with cardioprotective effects	A.L. Garcia-Villalon, S. Amor, L. Monge, N. Fernandez, M. Prodanov, M. Munoz, A.M. Inarejos-Gracia, M. Granado	Journal of Functional Foods, 27, 1890200 (2016)	2016	Spain	C18-PFP	5um, 250 x 4.6
AP2013	First report: Exposure estimates to ochratoxin A through wheat bread and rice intake in Turkey	O. Golge, B. Kabak	Journal of Cereal Science, 69, 213-217 (2016)	2016	Turkey	C18	5um, 250 x 4.6
AP2014	Photodegradation behaviour of estriol: An insight on natural aquatic organic matter influence	C. Oliveira, D. L.D. Lima, C.P. Silva, M. Otero, V.I. Esteves	Chemosphere 159, 545-551 (2016)	2016	Portugal	C18-PFP	5um, 150 x 4.6
AP2015	Tuning surface-active properties of bio-surfactant sophorolipids by varying fatty-acid chain lengths	C. Ahn, V.K. Morya, E. Kim	Korean J. Chem. Eng., 33(7), 2127-2133 (2017)	2016	Korea	C18	
AP2016	Determination of aflatoxins in walnut sujuk and Turkish delight by HPLC-FLD method	O. Golge, F. Hepsag, B. Kabak	Food Control, 59, 731-736 (2016)	2016	Turkey	C18	5um, 250 x 4.6
AP2017	Home-made online hyphenation of pressurised liquid extraction, turbulent flow chromatography and high performance liquid chromatography, Cistanche deserticola as a case study	Q. Song, J. Li, X. K Liu, Y. Zhang, L. Guo, Y. Jiang, Y. Song, P. Tu	J. Chrom. A, (2016)	2016	China	Ultracore SuperC18	2.5um, 150 x 3.0
AP2018	Robust and sensitive LC/MS-MS method for simultaneous detection of acetylsalicylic acid and salicylic acid in human plasma	D. Sirok, M. Patfalusi, G. Szeleczy, G. Somorjai, D. Greskovits, K. Monostory	Microchemical Journal (2016)	2016	Hungary	C18	3um, 75 x 2.1
AP2019	Bioaccumulation of emerging organic compounds (perfluoroalkyl substances and halogenated flame retardants) by earthworm in biosolid amended soils	Navarro, A. de la Torre, P. Sanz, J. Pro, G. Carbonell, M. de los Angeles Martinez	Environmental Research, 149, 32-39 (2016)	2016	Spain	C18-PFP	3um, 50 x 2.1
AP2020	An avian influenza H5N1 virus vaccine candidate based on the extracellular domain produced in yeast system as subviral particles protects chickens from lethal challenge	M. Pietrzak, A. Maciola, K. Zdanowski, A.M. Protas-Klukowska, M. Olszewska, K. Smietanka, Z. Minta, B. Szewczyk, E. Kopera	Antiviral Research, 133, 242-249 (2016)	2016	Poland	C4	5um, 250 x 4.6
AP2021	Elderberry (Sambucus nigra L.) by-products a source of anthocyanins and antioxidant polyphenols	P. Silva, S. Ferreira, F.M. Nunes	Industrial Crops and Products, (2016)	2016	Portugal	UltraCore SuperC18	5um, 150 x 4.6
AP2022	Enzymatic synthesis of lactosylated and sialylated derivatives of epothilone A	P. Parajuli, R.P. Pandey, R.B. Gurung, J.Y. Shin, H.J. Jung, D.H. Kim, J.K. Sohng	Glycoconj. J. (2016)	2016	South Korea	C18-300	250 x 10
AP2023	Validation of a mass spectrometry-based method for milk traces detection in baked food	L. Cristina, A. Elena, C. Davide, G. Marzia, D. Lucia, G. Cristiano, A. Marco, R. Carlo, C. Laura, G.M. Gabriella	Food Chemistry, 199, 119-127 (2016)	2016	Italy	C18-300	250 x 1.0
AP2024	Determination of endocrine disrupting compounds in fish liver, brain and muscle using focused ultrasound solid-liquid extraction and dispersive solid phase extraction as clean-up strategy	O. Ros, A. Vallejo, M. Olivares, N. Etxebarria, A. Prieto	Anal. Bioanal. Chem., 408, 5689-5700 (2016)	2016	Spain	UltraCore SuperC18	2.5um, 50 x 2.1
AP2025	Fatty acids, sterols and tocopherols in Irish barley varieties: Profiling and correlation analysis	N. Gangopadhyay, D.K. Rai, N.P. Brunton, E. Gallagher, S.M. Harrison	Eur. J. Lipid Sci. Technol., 118 (2016)	2016	Ireland	C18-PFP	5um, 150 x 4.6
AP2026	The cutaneous secretion of the casque-headed tree frog Corythomantis greeni: Biochemical characterisation and some biological effects	V.A. Mendes, K.C. Barbosa, J.M. Sciani, R.C. Vassao, D.C. Pimenta, C. Jared, M.M. Antunes	Toxicol., 122, 133-141 (2016)	2016	Brazil	C18	5um, 250 x 4.6
AP2027	Fast and simple determination of perfluorinated compounds and their potential precursors in different packaging materials	Zabaleta, E. Bizkarguenaga, D. Bilbao, N. Etxebarria, A. Prieto, O. Zuloaga	Talanta, 152, 353-363 (2016)	2016	Spain	UltraCore SuperC18	2.5um, 50 x 2.1
AP2028	Self-initiated and concentration-dependent degradation of tetracaine in neat standard solution: A trouble-shooting story	A. Tan, Y. Wu, G. Gu, J.C. Fanaras	J. Chrom. B, 1033-1034, 112-116 (2016)	2016	Canada	Excel SuperC18	5um, 75 x 3.0

AP2029	Selective screening of Niemann-Pick type C Brazilian patients by cholestane-3 β ,5 α ,6 β -triol and chitotriosidase measurements followed by filipin staining and NPC1/NPC2 gene analysis	G.S. Ribas, H.M. Souza, J. de Mari, M. Deon, C. Mescka, M.L. Saraiva-Pereira, R. Kessler, F. Trapp, K. Michelin, M. Burin, C.R. Vargas, R. Giugliani	Clinica Chimica Acta 459, 57–62 (2016)	2016	Brazil	C18	3um, 150 x 4.6
AP2030	Rapid and efficient method for the quantification of lychnopholide in rat plasma by liquid chromatography–tandem mass spectrometry for pharmacokinetic application	L. Lachi-Silva, J.P.B. Sousa, M.C. Montanha, S.K.B. Sy, J.L.C. Lopes, D.BB. Silva, N.P. Lopes, A. Diniz, E. Kimura	Biomed. Chromatogr., 30, 1092–1096 (2016)	2016	Brazil	C18–300	3um, 50 x 2.1
AP2031	Disposition of the anti-ulcer medications ranitidine, cimetidine and omeprazole following administration of multiple doses to exercised thoroughbred horses	H.K. Knych, S.D. Stanley, R.M. Arthur, D.S. Mckemie	J. Vet. Pharmacol. Therap., 40, 92–96 (2016)	2016	USA	C18	3um, 100 x 2.1
AP2032	Altitudinal changes in secondary metabolite contents of <i>Hypericum androsaemum</i> and <i>Hypericum polyphyllum</i>	C. Citrak, J. Kadusiene, V. Jakstas, L. Ivanauskasm, F. Stasiulis	Biochemical Systems and Ecology 70, 108–115 (2017)	2017	Turkey	C18	5um, 250 x4.6
AP2033	The use of a restricted access volatile supramolecular solvent for the LC/MS–MS assay of bisphenol A in urine with a significant reduction of phospholipid–based matrix effects	J.A. Salatti-Dorado, N. Cabellero-Casero, M.D. Sicilia, M.L. Lunar, S. Rubio	Analytica Chimica Acta 950, 71–79 (2017)	2017	Spain	C18–PFP	3um, 150 x 3.0
AP2034	Sorption of sulfachloropyridazine in Brazilian soils	A.P. Cieira, S. Rath, A.H. Fostier	J. Braz. Chem. Soc., 28 (1), 158–167 (2017)	2017	Brazil	C18	5um, 250 x 4.6
AP2035	New strategy of multiple emulsion formation based on the interactions between polymeric emulsifier and natural ingredients	U. Cizauskaite, R. Marksienė, V. Viliene, R. Gruzauskas, J. Bernatoniene	Colloids and Surfaces A: Physicochemical and Engineering Aspects, 515, 22–33 (2017)	2017	Lithuania	C18	5um, 250 x 4.6
AP2036	An unexpected cell-penetrating peptide from <i>Bothrops jararaca</i> venom identified through a novel size exclusion chromatography screening	J.M. Sciani, H. Vigerelli, A.S. Costa, D.A.D. camara, P. Luiz-de-Sa Jnr, D.C. Pimenta	J. Pept. Sci., (2017)	2017	Brazil	C18	150 x 4.6
AP2037	Quantification of two isomeric flavones in rat colon tissue using reverse phase high performance liquid chromatography	C.L. Whitted, V.E. Palau, R.D. Torrenegra, O.E. Rodriguez, S. Harirforoosh	MBC Res Notes, 10 (29) (2017)	2017	USA	C18	100 x 4.6
AP2038	Furfurylamines from biomass: transaminase catalysed upgrading of furfurals	A. Durbach, F. Subirzi, J.M. Ward, T.D. Sheppard, H.C. Willis	Green Chem., 19, 397–404 (2017)	2017	UK	C18	5um, 150 x 4.6
AP2039	In vitro α -glucosidase and α -amylase enzyme inhibitory effects in <i>Elaeagnus angustifolia</i> leaves extract	F.Z. Saltan, B. Okutucu, H.S. Canbay, D. Ozel	Eurasian Journal of Analytical Chemistry, 12 (2), 117–126 (2017)	2017	Turkey	C18	5um, 250 x 4.6
AP2040	Investigation of the regulatory effects of saccharin on cytochrome P450s in male ICR mice	J.H. Jo, S. Kim, T.W. Jeon, T.C. Jeong, S. Lee	Toxicological Research, 33 (1), 25–30 (2017)	2017	Korea	C18	5um, 50 x 2.1
AP2041	Feedback control of AHR signalling regulates intestinal immunity	C. Schiering, E. Wincent, A. Metidji, A. Iseppon, Y. Li, A.J. Potocnik, S. Omenetti, C.J. Henderson, C.R. Wolf, D.W. Nebert, B. Stockinger	Nature (2017)	2017	UK	C18–AR	5um, 150 x 4.6
AP2042	Radiosynthesis of no-carrier added meta-[124I] iodobenzylguanidine for PET imaging of metastatic neuroblastoma	M. Green, J. Lowe, M. Kadirvel, A. McMahon, N. Westwood, S. Chua, G. Brown	J. Radioanal. Nucl. Chem., 311, 727–732 (2017)	2017	UK	Phenyl	3um, 150 x 4.6
AP2043	Uptake of perfluoroalkyl substances and halogenated flame retardants by crop plants grown in biosolids-amended soils	E. Navarro, A. de la Torre, I. Sanz, M.A. Porcel, J. Pro, G. Carbonell, M. de los Angeles	Environmental Research, 152, 199–2016 (2017)	2017	Spain	C18–PFP	3um, 50 x 2.1
AP2044	Absorption, distribution, metabolism and excretion of [14C]-dasotraline in humans	M. Chen, E. Skende, J. Lin, Y. Yi, P.L. Wang, S. Wills, H.S. Wilkinson, K.S. Koblan, S.C. Watkins	Pharmaceutical Research & perspectives, 5 (1), (2017)	2017	USA	Excel C18–AR	2um, 150 x 4.6
AP2045	Aromatic metabolites from the coelomic fluid of <i>Eisenia</i> earthworm species	S. Rochfort, M.A. Wyatt, M. Liebeke, A.D. Southam, M.R. Viant, J.G. Bundy	European Journal of Soil Biology, 78, 17–19 (2017)	2017	UK	AQ	5um, 250 x 4.6
AP2046	Evaluation of pharmacokinetic interactions between lesinurad, a new selective urate reabsorption inhibitor, and commonly used drugs for gout treatment	Z. Shen, K. Tieu, D. Wilson, G. Bucci, M. Gillen, C. Lee, B. Kerr	Clinical Pharmacology in Drug Development (2017)	2017	USA	C18–AR	
AP2047	Release of 1,3,5-trinitroperhydro-1,3,5-triazine (RDX) from polymer-bonded explosives (PBXN-109) into water by artificial weathering	M. Kumar, M.K. Ladyman, N. Mai, T. Temple, F. Coulon	Chemosphere, 169, 604–608 (2017)	2017	UK	UltraCore SuperPhenyl Hexyl	100 x 4.6
AP2048	Phytoglycogen improves the water solubility and Caco-2 monolayer permeation of quercetin	H. Chen, Y. Yao	Food Chemistry, 221, 248–257 (2017)	2017	USA	C8	3um, 75 x 4.6
AP2049	Mixtures of herbicides and metals affect the redox system of human cells	C. Jumarie, P. Aras, M. Boily	Chemosphere, 168, 163–170 (2017)	2017	Canada	C18	3um, 150 x 4.6

AP2050	Potency and stability of compounded formulations of chlorambucil, melphalan and cyclophosphamide	J.H. Burton, H.K. Knych, S.D. Stanley, R.B. Rebhun	Vet. Comp. Oncol., 1-6 (2017)	2017	USA	C18	3um, 100 x 2.1
AP2051	Pharmacokinetics and selected pharmacodynamics of romifidine following low-dose intravenous administration in combination with exercise to quarter horses	H.K. Knych, S.D. Stanley, D.S. McKemie, S.J. Steinmetz	J. Vet. Pharmacol. Ther., (2017)	2017	Spain	C18	3um, 100 x 2.1
AP2052	Study of early stage non-small-cell lung cancer using Orbitrap-based global serum metabolomics	A. Klupeczynska, P. Dereziński, T.J. Garrett, V.Y. Rubio, W. Dyszkiewicz, M. Kasprzyk, Z.J. Kokot	J. Cancer Res. Clin. Oncol., (2017)	2017	Poland/US	Excel C18-PFP	2um, 100 x 2.1
AP2053	A validated LC-MS/MS method for the estimation of bortezomib and bortezomib D3 (IS) in human plasma with protein precipitation and SPE filter cartridges	B. Chandramowli, B.B. Rajkamal	J. Applied Pharmaceutical Sciences, 7 (1), 35-41 (2017)	2017	India	CN	5um, 150 x 4.6
AP2054	Reuse potential of vegetable wastes (broccoli, green bean and tomato) for the recovery of antioxidant phenolic acids and flavonoids	A. Aires, R. Carvalho, M.J. Saavedra	International Journal of Food Science and Technology, 52, 98-107 (2017)	2017	Portugal	C18	5um, 250 x 4.6
AP2055	Comparison of sample preparation strategies for target analysis of total thyroid hormones levels in serum by liquid chromatography-quadrupole time-of-flight mass spectrometry	E. Alvarez, Y. Madrid, M.D. Marazuela	Talanta, 164, 570-579 (2017)	2017	Spain	Excel C18-PFP	2um, 50 x 2.1
AP2056	Influence of culture conditions on porphyrin production in Aggregatibacter actinomycetemcomitans and Porphyromonas gingivalis	J. Fyrestam, N. Bjurshammar, E. Paulsson, N. Mansouri, A. Johannsen, C. Ostman	Photodiagnosis and Photodynamic Therapy, 17, 115-123 (2017)	2017	Sweden	C18-PFP	3um, 75 x 2.1
AP2057	Lipophilic antioxidants and lipid peroxidation in yellow perch subjected to various anthropogenic influences along the St Lawrence river (QC, Canada)	C. Landry, M. Houde, P. Brodeur, P. Spear, M. Boily	Ecotoxicology and Environmental Safety, 139, 316-325 (2017)	2017	Canada	C18	5um, 250 x 4.6
AP2058	Identification and characterisation of photodegradation products of metoprolol in the presence of natural fulvic acid by HPLC-UV-MSn	Santos, M.R.M. Domingues, A.J.D. Silvestre, M.G.P.M.S. Neves, M.M.Q. Simoes, E.B.H. Santos	Journal of Hazardous Materials, 323, 250-263 (2017)	2017	Portugal	C18-PFP	5um, 150 x 4.6
AP2059	Evaluation of bi-functionalized mesoporous silicas as reversed phase/cation-exchange mixed-mode sorbents for multi-residue solid phase extraction of veterinary drug residues in meat samples	N. Casado, D. Perez-Quintanilla, S. Morante-Zarcero, I. Sierra	Talanta, 165, 223-230 (2017)	2017	Spain	Excel 2 C18	2um, 100 x 2.1
AP2060	2D-LC as an on-line desalting tool allowing peptide identification directly from MS unfriendly HPLC methods	H. Luo, W. Zhong, J. Yang, P. Zhuang, F. Meng, J. Caldwell, B. Mao, C.J. Welch	Journal of Pharmaceutical and Biomedical Analysis, 137, 139-145 (2017)	2017	USA	C18-300	3um, 150 x 4.6
AP2061	Investigation of the low molecular weight thiol composition in a metastatic prostate cancer cell line (LNCaP) by LC-UV-MS and NMR after labelling with the Ellman reagent	S. Childs, N. Haroune, L. Williams, M. Gronow	American Journal of Analytical Chemistry, 8, 1-18 (2017)	2017	UK	C18	5um, 250 x 10
AP2062	Discovery of a fluorinated 4-oxo-quinoline derivative as a potential PET radiotracer for imaging CB2 receptor	R. Slavik, A.M. Herde, A. Haider, M. Weber, R. Schibli, S.D. Kramer, S.M. Ametamey, L. Mu	Journal of Neurochemistry, 138, 874-886 (2017)	2016	Switzerland	C18-AR	3um, 50 x 4.6
AP2063	Phenolic compounds characterisation, carbohydrate digestive enzyme inhibitory and antioxidant activities of Hieracium	A. Gokbulut, N. Orhan, D.D. Orhan	South African Journal of Botany, 108, 387-392 (2017)	2017	Turkey	C18	5um, 250 x 4.6
AP2064	Toxicological, chemical and antibacterial evaluation of squill vinegar, a useful product in Persian traditional medicine	M. Bozorgi, G.R. Amin, S.N. Ostad, N. Samadi, E. Nazem, M. Ghannadi	Pharmacognosy, 4 (10), 33-39 (2017)	2017	Iran	C18	
AP2065	The nonlinear effect of alkyl chain length in the membrane interactions of phenolipids: Evidence by X-ray diffraction analysis	E. Durand, R.F. Jacob, S. Sherratt, J. Lecomte, B. Barea, P. Villeneuve, R.P. Mason	Eur. J. Lipid Sci. Technol., 118, (2017)	2017	France	C18	5um, 250 x 4.6
AP2066	Aqueous humor penetration and biological activity of moxifloxacin 0.5% ophthalmic solution alone or with dexamethasone 0.1%	R.L.R. Gomes, R.G. Viana, L.A.S. Melo, A.C. Cruz, E.M. Suenaga, K.R. Kenyon, M. Campos	Journal of Ocular Pharmacology and Therapeutics 33 (2), 98-102 (2017)	2017	Brazil	C18	5um, 100 x 4.6
AP2067	Selective precipitation of phenolic compounds from Achillea millefolium L. extracts by supercritical anti-solvent technique	D. Villanueva-Bermejo, F. Zahran, D. Troconis, M. Villalba, G. Reglero, T. Fornari	J. of Supercritical Fluids, 120, 52-58 (2017)	2017	Spain	C18	5um, 150 x 4.6
AP2068	Progesterone potentially degrades to potent androgens in surface waters	J.O.Ojoghor, A.J. Chaudhary, P. Campo, J.P. Sumpter, M.D. Scrimshaw	Science of the Total Environment, 579, 1876-1884 (2017)	2017	UK	C18	3um, 100 x 2.1

AP2069	A clinical evaluation of the pharmacokinetics and pharmacodynamics of intravenous alfaxalone in cyclodextrin in male and female rats following a loading dose and constant rate infusion	K.L. White, S. Paine, J. Harris	Veterinary Anaesthesia and Analgesia 1-11, (2017)	2017	UK	C18-AR	2um, 50 x 2.1
AP2070	Parotoid, radial and tibial macroglans of the frog Odontophytynus cultripes: Differences and similarities with toads	P.L. Mailho-Fontana, M.M. Antoniazzi, I. Rodrigues, J.M. Sciani, D.C. Pimenta, E.D. Brodie, M.T. Rodrigues, C. Jared	Toxicon, 129, 123-133 (2017)	2017	Brazil	C18	5um, 50 x 2.1
AP2071	Three-dimensional perfused human in vitro model of non-alcoholic fatty liver disease	T. Kostrzewski, T. Cornforth, S.A. Snow, L. Ouro-Gnao, C. Rowe, E.M. Large, D.J. Hughes	World Journal of Gastroenterology 23(2), 204-215 (2017)	2017	USA	C18-AR	
AP2072	The discriminative stimulus effects of i.v. nicotine in rhesus monkeys: Pharmacokinetics and apparent pA2 analysis with dihydro- β -erythroidine	M.J. Moerke, A.Z.X. Zhu, R.F. Tyndale, M.A. Javors, L.R. McMahon	Neuropharmacology, 116, 9-17 (2017)	2017	USA	C18-PFP	3um, 75 x 3.0
AP2073	Mass spectrometric detection of 27-hydroxycholesterol in breast cancer exosomes	H. Roberg-Larsen, K. Lund, K. Erikstad Seterdal, S. Solheim, T. Vehus, N. Solberg, S. Krauss, E. Lundanes, S.R. Wilson	Journal of Steroid Biochemistry & Molecular Biology, 169, 22-28 (2017)	2017	Norway	C18	3um, 100 x 0.3
AP2074	Stability Indicating UHPLC-PDA Assay for Simultaneous Determination of Antazoline Hydrochloride and Naphazoline Hydrochloride in Ophthalmic Formulations	A. Ali, U. Farooq, M. Ahmed, M.M. Athar, K. Nadeem and G. Murtaza	Acta Chimica Slovenica 64, 332-341 (2017)	2017	Pakistan	C18-PFP	2um, 100 x 2.1
AP2075	Comprehensive determination of macrolide antibiotics, their synthesis intermediates and transformation products in wastewater effluents and ambient waters by liquid chromatography-tandem mass spectrometry	I. Senta, I. Krizman-Matasic, S. Terzic, M. Ahel	Journal of Chromatography A, 1509, 60-68 (2017)	2017	Croatia	C18-PFP	3um, 150 x 3.0
AP2076	Application of experimental design and response surface technique for selecting the optimum RP-HPLC conditions for the determination of moxifloxacin HCl and ketorolac tromethamine in eye drops	P.D. Kalariya, D. Namdev, R. Srinivas, S. Gananadhamu	Journal of Saudi Chemical Society, 21, S373-S382 (2017)	2017	India	C18	150 x 4.6
AP2077	Verification of the selectivity of a liquid chromatography method for determination of stilbenes and flavonols in red wines by mass spectrometry	L.F. da Silva, C.C. Guerra, A. Foresti, A.M. Bergold	Chemical Papers, 71 (3), 661-672 (2017)	2017	Slovakia	C8	5um, 150 x 4.6
AP2078	Analysis of psychotropic medicines triazolam, estazolam and alprazolam mixture using thin-layer chromatography and high-performance liquid chromatography methods	Yelyzaveta Kravchuk	Master's thesis, Lithuanian University of Health Sciences (2017)	2017	Lithuania	C18	5um, 250 x 4.6
AP2079	Liquid chromatography-tandem mass spectrometry direct injection analysis of organophosphorus flame retardants in Ontario surface water and wastewater effluent	C. Hao, P. A. Helm, D. Morse and E. J. Reiner	Chemosphere, 191, 288-295 (2018)	2018	Canada	C18 & C18-PFP	3um, 100 x 2.1
AP2080	Statistical investigation of the full concentration range of fasted and fed simulated intestinal fluid on the equilibrium solubility of oral drugs	J. Perrier, Z. Zhou, C. Dunn, I. Khadra, C. G. Wilson, G. Halbert	European Journal of Pharmaceutical Sciences, 111, 247-256 (2018)	2018	UK	C18	3um, 50 x 3.0mm and 3um, 50 x 2.1mm
AP2081	Liquid Chromatography Separation and Mass Spectrometry Detection of Silver-Lipoate Ag ₂₉ (LA) ₁₂ Nanoclusters: Evidence of Isomerism in the Solution Phase	D. M. Black, G. Robles, P. Lopez, S. B. H. Bach, M. Alvarez, and R. L. Whetten	Analytical Chemistry, 90 (3), 2010-2017 (2018)	2018	USA	C18-300	3um, 150 x 0.5mm
AP2082	Sustainable production of high purity curcuminoids from Curcuma longa by magnetic nanoparticles: A case study in Brazil	M. I. Ferreira, M. Magro, L. C. Ming, M. B. da Silva, L. F. O. S. Rodrigues, D. Z. do Prado, E. Bonaiuto, D. Baratella, J. De A. Roger, G. P. P. Lima, M. Rossetto, L. Zennaro, F. Vianello	Journal of Cleaner Production, 154, 233-241	2017	Brazil	C18	5um, 250 x 4.6mm

AP2083	Evaluation of the antihypertensive angiotensin-converting enzyme inhibitory (ACE-I) activity and other probiotic properties of lactic acid bacteria isolated from traditional Greek dairy products	Zoumpopoulou a, Eleni Mavrogonatou b, Gonzalez Van Driessche c, Voula Alexandraki a, Rania Anastasiou a, Marina Papadelli a, Maria Kazou a, Eugenia Manolopoulou a, Dimitris Kletsas b, Bart Devreese c, Konstantinos Papadimitriou a, *, Effie Tsakalidou a	International Dairy Journal, 75, 10-21	2017	Greece	C18	0um, 250 x 10.0mm
AP2084	Preclinical Assessment of Cardiovascular Alterations Induced by Birch Polypore Mushroom, <i>Piptoporus betulinus</i> (Agaricomycetes)		International Journal of Medicinal Mushrooms	2017			
AP2085	Superparamagnetic graphene oxide-based dispersive-solid phase extraction for preconcentration and determination of tamsulosin hydrochloride in human plasma by high performance liquid chromatography-ultraviolet detection	Y. Pashaeia, F. Ghorbani-Bidkorbebb, M. Shekarchic	Journal of Chromatography A, 1499, 21-29	2017	Iran	C18	5um, 250 x 4.6mm
AP2086	Study on the 3-hydroxy-3-methyl-glutaryl CoA reductase inhibitory properties of <i>Agaricus bisporus</i> and extraction of bioactive fractions using pressurized solvent technologies	Palanisamy, A. Ruiz-Rodriguez, M. Navarro-Rubio, M. Perez, F. R. Marin, G. Reglero, C. Soler-Rivas	Journal of the Science of Food and Agriculture	2013	Spain	C18-AR	3um, 150 x 4.6 mm
AP2087	Resolution and quantification of arginine, monomethylarginine, asymmetric dimethylarginine, and symmetric dimethylarginine in plasma using HPLC with internal calibration	M. S. Alkaitis, G. Nardone, J. H. Chertow, H. C. Ackerman	Biomedical Chromatography, 30, 294-300 (2016)	2016	USA	C18 guard	3um, 1.0 mm id
AP2088	Formation of Azaspiracids-3, -4, -6, and -9 via decarboxylation of carboxyazaspiracid metabolites from shellfish	P. McCarron, J. Kilcoyne, C. O. Miles, P. Hess	J. Agric. Food Chem., 57, 160-169 (2009)	2009	Ireland	C18	3um, 30 x 2.1 mm
AP2089	Brazilian red propolis: phytochemical screening, antioxidant activity and effect against cancer cells	Celerino de Moraes Porto, T. G. do Nascimento, N. S. de Souza, J. M. dos Santos Oliveira, R. E dos Santos Arruda, K. C. Moushino, A. F. dos Santos, I. D. Basilio-Junior, A. Parolla, F. S. Barreto	BMC Complementary & Alternative medicine, 15, 357 (2015)	2015	Brazil	C18	5um, 100 x 4.6 mm
AP2090	Development of a simple and sensitive HPLC-UV method for the simultaneous determination of cannabidiol and delta9-tetrahydrocannabinol in rat plasma	A. Zgair, J.C.M. Wong, A. Sabri, D.A. Barett, C.S. Constantinescu, P.M. Fischer, P. Gershkovich	J. Pharm. Biomed. Anal, 114, 145-151 (2015)	2015	UK	C18-PFP	3um, 150 x 4.6 mm
AP2091	Determination of Carbamazepine using RP-HPLC method in pharmaceutical preparations	F. Demirkaya, Y. Kadioglu	FABAD J. Pharm. Sci., 30, 78-82 (2005)	2005	Turkey	C8	5um, 150 x 4.6 mm
AP2092	Application of a column selection system an DryLab software for high-performance liquid chromatography method development	R. M. Krisko, K. McLaughlin, M. J. Koenigbauer, C. E. Lunte	Journal of Chromatography A, 1122, 186-193	2006	USA	C8	3um, 150 x 4.6 mm
AP2093	Simultaneous determination of ginkgolides A, B and K in human plasma by UPLC-MS/MS and its application to the pharmacokinetic study of Ginkgo Diterpene Lactone Meglumine injection in humans	Yan-Jing Li, Chen-Feng Zhang, Ting Geng, Wen-Zhe Huang, Zhen-Zhong Wang, Bin-Jiang Zhao, Yi-Fei Zhou, Wei Xiao	Analytical methods, 11, 2016	2016	China	C18-AR	3um, 50 x 2.1 mm
AP2094	Formation of 5-(hydroxymethyl)furfural during subcritical water extraction of natural matrices. Is is bioactivity-relevant	M. Herrero, M. Castro-Puyana, L. Rocamora, J.A. Ferragut, A. Cifuentes, E. Ibanez	Open access - For International Symposium on Supercritical fluids 2012	2012	Spain	C18	3um, 150 x 4.6 mm
AP2095	Highly isoxanthohumol enriched hop extract obtained by pressurized hot water extraction (PHWE). Chemical and functional characterization	E. Arranz, A. Ruiz-Rodriguez, G. Reglero, E. Ibanez, F. R. Marin	Innovative Food Science and Emerging Technologies, 16, 54-60 (2012)	2012	Spain	C18-AR	3um, 150 x 4.6 mm
AP2096	Stability indicating LC-MS/MS method for estimation of lovastatin in human plasma: application to a bioequivalence study	A. Saha, H. Jangala, P. Vats, R. Thankur, A. Khuroo, T. Monif	Journal of Analytical Science and Technology, 6, 19 (2015)	2015	India	C18-PFP (method needs C18)	
AP2097	Metabolomic profiling and genomic study of a Marine sponge-associated <i>Streptomyces</i> sp.	J. Kennedy, T. Zhang, C. O'Brien, F. O'Gara, J.P. Morrissey, A. D. W. Dobson, R. Edrada-Ebel	Marine Drugs, 12, 3323-3351 (2014)	2014	UK	C18	5um, 75 x 3.0 mm

AP2098	Using LC-MS based method for testing the digestibility of a nonpurified transgenic membrane protein in simulated gastric fluid	W. S. Skinner, B. S. Phinney, A. Herren, F. J. Goodstal, I. Dicely, D. Facciotti	Journal of Agricultural and Food Chemistry, 64, 25, 5251-5259	2016	USA	C18 300A	150 x 0.3 mm
AP2099	Detection and quantification of new psychoactive substances (NPSs) within the evolved "legal high" product, NRG-2, using high performance liquid chromatography-amperometric detection (HPLC-AD)	K. Y. Zuway, J. P. Smith, C. W. Foster, N. Kapur, C. E. Banks O. B. Sutcliffe	Analyst, 140, 6283 (2015)	2015	UK	C18	3um, 150 x 4.6 mm
AP2100	Screening and confirmation of oxycodone and clenbuterol in equine plasma by ion trap LC/MS/MS	c. Uboh, J. Rudy	Method by PA Equine Toxicology & Research laboratory	2004	USA	C8	5um, 50 x 2.1 mm
AP2101	Oxysterols are agonist ligands of ROR γ t and drive Th17 cel differentiation – supplementary info available	Song, S.W. Sutton, M. Sablad, J. Yu, M. I. Nelen, X. Liu, G. Castro, R. Luna, S. Crawford, H. Banie, R. A. Dandridge, X. Deng, A. Bittner, C. Kuei, M. Tootoonchi, N. Rozenkrants, K. Herman, J. Gao, X. V. Yang, K. Sachen, K. Ngo, WP. Fung-Leung, S. Nguyen, A. de Leon-Tabaldo, J. Blevitt, Y. Zhang, M. D. Cummings, T. Rao, N. S. Mani, C. Liu, M. McKinnon, M. E. Milla, A. M. fourie, S. Sun	PNAS, 111, 33, 12163-12168 (2014)	2014	USA	C18-AR	3um, 150 x 2.1 mm
AP2102	Combination of on-line desalting and HPLC-UVESI-MS for simultaneous detection and identification of FIP-fve and flammutoxin in Flammulina velutipes	Lin, Ching-Chuan Tung, Sung-Fang Chen, Fuu Sheu, Ting-Jang Lu	Journal of food and drug analysis, 1-9 (2017)	2017	Taiwan	C4	5um, 250 x 4.6 mm
AP2103	Simultaneous determination of components with wide polarity and content ranges in Cistanche tubulosa using serially coupled reversephase-hydrophilic interaction chromatography-tandem massspectrometry	Yu Yana, Qingqing Songa, Xiaojia Chenc, Jun Lia, Peng Lic, Yitao Wangc,Tongxiang Liub, Yuelin Songa, Pengfei Tua	Journal of Chromatography A, 1501, 39-50 (2017)	2017	China	UltraCore SuperC18	2.5um, 150 x 3.0 mm
AP2104	A study of different indicators of mammary reaction with whey proteins	G. E. Leiva, G. B. Naranjo, L. S. Malec	Food Chemistry, 215, 410-416 (2017)	2017	Argentina	AQ	5um, 250 x 4.6 mm
AP2105	A multi-matrix HILIC-MS/MS method for the quantitation of endogenous small molecule neurological biomarker N-acetyl aspartic acid (NAA)	D. Sangarajua, S. K. Shahidi-Lathama, B. L. Burgessb, B. Deana,X. DingaaGenentech	Journal of Pharmaceutical and Biomedical Analysis 140 11-19 (2017)	2017	USA	HILIC CN	7um, 50 x 2.1 mm
AP2106	Decoration of a Poly(methyl vinyl ether-co-maleic anhydride)-Shelled Selol Nanocapsule with Folic Acid Increases Its Activity Against Different Cancer Cell Lines In Vitro	R. Ganassin, L. Regina de Souza, K. Rapp Py-Daniel, J. P. Figueiró Longo, J. M. Coelho, M. C. Rodrigues, Cheng-Shi Jiang, Jinsong Gu, P. C. de Morais, E. Mosiniewicz-Szablewska, P. Suchocki, S. N. Báó, R. B. Azevedo, L. A. Muehlmann	Journal of Nanoscience and Nanotechnology 18, 522-528 (2018)	2018	Brazil	AQ	5um, 250 x 4.0 mm
AP2107	LC-HRMS Based Non-Targeted Metabolomic Profiling of Wheat (Triticum aestivum L.) under Post-Anthesis Drought Stress	Mohammad Atikur Rahman, Masum Akond, Md Ali Babar, Chris Beecher, John Erickson, Kayla Thomason, Felice A De Jong, Richard Esten Mason	American Journal of Plant Sciences, 8, 3024-3061 (2017)	2017	USA	C18-PFP	2um, 100 x 2.1 mm
AP2108	Formation and degradation of N-oxide venlafaxine during ozonation and biological post-treatment	Ines Zucker, Hadas Mamane, Alon Riani, Igal Gozlan, Dror Avisar	Science of the Total Environment, 619-620, 578-586 (2018)	2018	Israel	Phenyl	250 x 2.1 mm
AP2109	An Investigation of Oral Exposure Variability and Formulation Strategy: A Case Study of PI3Kd Inhibitor and Physiologically Based Pharmacokinetic Modeling in Beagle Dogs	Po-Chang Chiang, Jodie Pang, Jia Liu, Laurent Salphati	Journal of Pharmaceutical Sciences, 107, 466-475 (2018)	2018	USA	Phenyl	5um, 100 x 2.1 mm
AP2110	Robust and sensitive LC/MS-MS method for simultaneous detection of acetylsalicylic acid and salicylic acid in human plasma	Dávid Siroka, Márta Pátfalusi, Gábor Szelezky, Gyula Somorjai, Dávid Greskovits, Katalin Monostory	Microchemical Journal, 136, 200-208 (2018)	2018	Hungary	C18	3um, 75 x 2.1 mm

AP2129	The structure, function and properties of sirohaem decarboxylase – an enzyme with structural homology to a transcription factor family that is part of the alternative haem biosynthesis pathway – supplementary info available	D. J. Palmer, S. Schroeder, A. D. Lawrence, E. Deery, S. A. Lobo, L. M. Saralva, K. J. McLean, A. W. Munro, S. J. Ferguson, R. W. Pickersgill, D. G. Brown, M. J. Warren	Molecular Microbiology, 93 (2), 247–261 (2014)	2014	UK	AQ	5um, 150 x 2.1 mm
AP2130	Simultaneous determination and validation of emtricitabine, rilpivirine and tenofovir from biological samples using LC and CE	M. Gumustas, M. G. Caglayan, F. Onur, S. A. Ozkan	Biomedical Chromatography, 32 (4), e4158 (2018)	2018	Turkey	C18	5um, 150 x 4.6 mm
AP2131	A simple solid-phase extraction method for the analysis of red cell phospholipids by liquid chromatography- tandem mass	V. L. Nguyen	Journal of Clinical Laboratory Analysis, 32 (6), e22417 (2018)	2018	Australia	C4	7um?, 150 x 2.1 mm
AP2132	Quantification of metronidazole in human plasma using a highly sensitive and rugged LC-MS/MS method for a bioequivalence	P. G. Vanol, M. Sanyal, P. A. Shah, P. S. Shrivastav	Biomedical Chromatography, 32 (8), e4242 (2018)	2018	India	C18	5um, 100 x 4.6 mm
AP2133	Quantification of metronidazole in healthy subjects' feces using an LC-MS/MS method	P. G. Vanol, M. Sanyal, P. A. Shah, P. S. Shrivastav	Biomedical Chromatography, 32 (8), e4265 (2018)	2018	India	Phenyl	
AP2134	A novel and rapid LCeMS/MS assay method for the determination of canagliflozin in human plasma by solid phase extraction technique and its application to a pharmacokinetic study	S. V. Saibaba, N. R. Pilli, B. P. K. Bimireddy, P. S. Pandiyan	Future Journal of Pharmaceutical Sciences,	2018	India	C18	5um
AP2135	Effective phospholipids removing microelution–solid phase extraction LC-MS/MS method for simultaneous plasma quantification of aripiprazole and dehydro-aripiprazole: Application to human pharmacokinetic studies	A. Wojnicz, C. Belmonte, D. Koller, A. Ruiz-Nuño, M. Román, D. Ochoa, F. Abad-Santos	Journal of Pharmaceutical and Biomedical Analysis, 151, 116–125 (2018)	2018	Spain	C18-PFP	
AP2136	Determination of Free Fatty Acids in Cheese by Means of Matrix Solid-Phase Dispersion Followed by Ultra-High Performance Liquid Chromatography and Tandem Mass Spectrometry Analysis	M. C. Simeoni, M. Sergi, A. Pepe, E. Mattocci, G. Martino, D. Compagnone	Food Analytical Methods, 1–8 (2018)	2018	Italy	C18-PFP	
AP2137	2-Naphthalenthiole derivatization followed by dispersive liquid-liquid microextraction as an efficient and sensitive method for determination of acrylamide in bread and biscuit samples using high-performance liquid chromatography	M. Faraji, M. Hamdamali, F. Aryanassab, M. Shabanian	Journal of Chromatography A, 1558, 14–20 (2018)	2018	Iran	C18	5um, 150 x 4.6 mm
AP2138	Evaluation of a novel method for the analysis of alcohol biomarkers: Ethyl glucuronide, ethyl sulfate and ethyl glucuronide	V. L. Nguyen, P. Paull, P. S. Haber, K. Chitty, D. Seth	Alcohol, 67, 7–13 (2018)	2018	Australia	C4	
AP2139	Incorporating dried blood spot LC-MS/MS analysis for clinical development of a novel oncolytic agent	E. R. Wickremsinhe, S. Callies, C. A. Schmalz, L. B. Lee, E. S. LaBell, D. K. Satonin	Bioanalysis, 10 (5) (2018)	2018	USA	C18	5um, 50 x 2.1 mm
AP2140	Exploring selectivity and sensitivity for oxysterol measurements using liquid chromatography–mass spectrometry (LC-MS)	Stian Kjønnsås Solheim	Thesis for the Master's Degree in chemistry, University of Oslo (2018)	2018	Norway	UltraCore SuperPhenyl Hexyl and UltraCore SuperC18	
AP2141	Comparison of efficiencies of selected sample extraction techniques for the analysis of selected antiretroviral drugs in human plasma using LC-MS	K. Sichilongo, E. Mwando Jr, E. Sepako, A. Massele	Journal of Pharmaceutical and Toxicological Methods, 89, 1–8 (2018)	2018	Botswana	C18	3um, 50 x 3.0 mm
AP2142	Development of an LC-MS method to quantify coproporphyrin I and III as endogenous biomarkers for drug transporter-mediated drug-drug interactions	E. N. Ediage, L. Dillen, A. Vroman, L. Diels, A. Kunze, J. Snoeys, T. Verhaeghe	Journal of Chromatography B, 1073, 80–89 (2018)	2018	Belgium	C18-PFP	3um, 150 x 2.1 mm
AP2143	Multi-class analysis for simultaneous determination of pesticides, mycotoxins, process-induced toxicants and packaging contaminants in tea	M. Cladière, G. Delaporte, E. L. Roux, V. Camel	Food Chemistry, 242, 113–121 (2018)	2018	France	C18-PFP	2um, 150 x 2.1 mm
AP2144	Physicochemical stability of voriconazole in elastomeric devices	C. Ming, T. Wanandy, R. P. Patel	European Journal of Hospital Pharmacy (2017)	2017	Australia	C18	3um, 100 x 4.0 mm
AP2145	United States Patent: Chelator and Use Thereof	M. Algotsson, L. C. Andersson, E. Brekkan, L. Hedemyr, J-L. Maloisel, R. Palmgren	United States Patent, Patent No. 9,944,722 B2 (2018)	2018	Sweden	AQ	10um, 250 x 30 mm
AP2131	Improved LC-MS/MS method for the quantification of hepcidin-25 in clinical samples	I. M. Abbas, H. Hoffmann, M. Montes-Bayón, M. G. Weller	Analytical and Bioanalytical Chemistry, 410 (16), 3835–3846	2018	Germany	UltraCore SuperPhenyl Hexyl	50 x 2.1 mm
AP2132	Investigations of the Copper Peptide Hepcidin-25 by LC-MS/MS and NMR	I. M. Abbas, M. Vranic, H. Hoffmann, A. H. El-Khatib, M. Montes-Bayón, H. M. Möller, M. G. Weller	International Journal of Molecular Sciences, 19 (8), 2271	2018	Germany	UltraCore SuperC18	5um, 50 x 2.1 mm

AP2133	Gold Nanocluster Prospecting via Capillary Liquid Chromatography-Mass Spectrometry: Discovery of Three Quantized Gold Clusters in a Product Mixture of “2 nm Gold Nanoparticles”	D. M. Black, G. Robles, S. B. H. Bach, and R. L. Whetten	Industrial & Engineering Chemical Research, 57 (15), 5378-5384	2018	USA	C18	
AP2134	Detection and confirmation of α -cobratoxin in equine plasma by solid-phase extraction and liquid chromatography coupled to mass spectrometry	F. Guan, Y. You, X. Li, M. A. Robinson	Journal of Chromatography A, 1533, 38-48	2018	USA	C18-300	3um, 50 x 1.0 mm