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Method Development and Analysis for Pharmaceuticals and Personal Care Products in Surface Water

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BY

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ABSTRACT

Pharmaceuticals and Personal Care Products (PPCP) in surface waters is a worldwide concern. Effluent from waste water treatment plants have tested positive for PPCP. Method development for a liquid chromatographic method was derived using columns with fused core technology. Analysis of spiked samples as direct injection and after solid phase extraction indicated detection of acetaminophen, caffeine, bisphenol-A and triclo-san. Confirmation of acetaminophen, caffeine, bisphenol-A and triclosan was achieved using Agilent 1100 HPLC with Agilent MST Trap XCT. Solid phase extraction using Oasis HLB indicated reproducibility at 0.05ppm.

CHAPTER 1 INTRODUCTORY

Pharmaceutical and Personal Care Products (PPCP) enter the water system through human disposal and waste. PPCPs targeted in quantitative and qualitative studies are antibiotics, antifungals, analgesics, antihistamines, disinfectants, UV-filters (sunscreens), hormones and fragrances. PPCPs that are water soluble can be detected in the surface water downstream and from the effluent of wastewater treatment plants (WWTP) (1-3). PPCPs contamination is a worldwide concern. In the United Kingdom, sexual disruption in wild fish was linked to estrogenic constituents of sewage effluents (4). Waste water, surface water and fish tested positive for UV filters (sunscreens) in Switzerland (5). Galaxolide and tonalide, synthetic musk fragrances used in cosmetics and detergents, were detected in fish collected from effluent dominated streams in Chicago Illinois, Dallas Texas, Orland Florida, Phoenix Arizona, and West Chester Pennsylvania (6). Early studies in Canada indicated a presence of Bisphenol-A (BPA) in the effluent of WWTPs (7). Although BPA is not PPCPs, the chemical was used in the manufacturer of many plastic containers used by consumers, including baby bottles. BPA is consider an endocrine disruptor compound and has the potential to be toxic to aquatic life (7).

The Environmental Protection Agency (EPA), the United States governing agency, regulates the treatment of sewage and waste water. Effluents from local WWTPs should meet EPA's specification on contaminants before it is returned to the ecology system. Currently the EPA does not have regulations for these contaminants and therefore does not have an official method listed in 40 CFR 136 (8). Although the EPA does not have a method published in 40 CFR 136, it does have two methods available for general use. Method 1694: Pharmaceuticals and Personal Care Products in water, Soil, Sediment

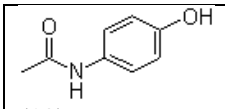
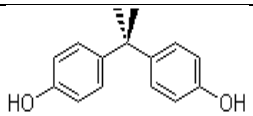
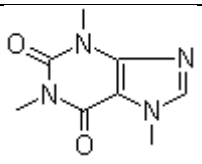
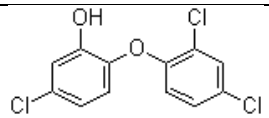
and Biosolids by HPLC/MS/MS (December 2007), can be used to analyze for 74 PPCPs (9). Method 1698: Steroids and Hormones in Water, Soil, Sediment and Biosolids by HRGC/HRMS (December 2007), can be used to analyze for 27 steroids and hormones (10). Not all PPCP effects on aquatic life have been studied and as a result ambient water quality criteria and aquatic life criteria have not been established (11), this could be one potential reason for Method 1694 and Method 1698 omission from 40 CFR 136.

PPCPs in surface water and effluent of WWTPs in previous studies have been detected at very low levels, μg/L, (1, 3, 5). Analysis requires sensitive instrumentation and sample preparation that incorporates concentration procedures. EPA's Method 1694 requires the use of high pressure liquid chromatography with tandem mass spectrometry (HPLC/MS/MS), with complex sample preparation using solid phase extraction to concentrate the PPCPs, allowing them to be detected.

The focus of this research is to develop a procedure that can detect PPCPs in water and surface water with the instrumentation available at Governors State University.

Due to the large number of PPCPs on the market, this project was limited to four PPCPs listed in Table 1.

Table 1: PPCPs

 (12)	 (12)	 (12)	 (12)
Acetaminophen	Bisphenol A	Caffeine	Triclosan
Molecular weight 151.16	Molecular weight 228.29	Molecular weight 194.19	Molecular weight 289.54
CAS# 103-90-2	CAS# 80-05-7	CAS# 58-08-2	CAS# 3380-34-5

Acetaminophen is an analgesic found in many Over the Counter (OTC) products. It is the active pharmaceutical ingredient (API) in Tylenol (13). Caffeine a stimulant is the API in some analgesic OTC. Caffeine can be found in coffee, tea, carbonated beverages, and energy drinks. Triclosan is an antibacterial agent that can be found in many consumer products, clothing, furniture, toys, body washes, toothpaste and mouth washes. Bisphenol A is used to manufacture polycarbonate plastic and epoxy resins. The plastics and resins are used in a wide variety of products, digital media, automobiles, reusable water bottles, drink containers, epoxy lining of canned foods and beverages to name a few. These four PPCPs[1] were chosen due to their abundance on the market.

CHAPTER 2 EQUIPMENT REAGENTS

Acetaminophen, caffeine, bisphenol-A and triclosan (Irgasan) high purity standards (≥ 99.0%) were purchased from Sigma Aldrich. Acetonitrile and methanol (HPLC grade or better) from Burdick & Jackson and Fisher Scientific were used. Deionized Water was supplied from Governors State University (University Park IL) and Blistex Inc (Oak Brook IL). High Purity Water from Burdick & Jackson was used for this project.

During the project, HPLC columns with an octadecyl silica (C-18) stationary phase were utilized. Supleco Ascentis Express fused core columns with 5µm particle size, 150mm x4.6mm (A-1)[2] and 100mm x 2.1mm (A-2)[3], purchased from Sigma Aldrich were used. Kinetex fused core with 2.6µm particle size, 100mm x 4.6mm (K-1)[4] and Lu-

[1] For this paper Bisphenol-A will be included as a PPCP.
[2] Column used at Blistex Inc (Oak Brook IL)
[3] Column used at Governors State Univeristy
[4] Column used at Blistex Inc (Oak Brook IL)

na C18 (2)[5] porous 5µm particle size 150mm x 4.6mm (L-1), from Phenomenex were utilized in this project.

Instruments used during this project were from two sources. Agilent 1260 HPLC equipped with a photodiode array detector (PDA) (AG-1) and a hyphenated LC/MS, HP1100 HPLC system with a PDA detector coupled with an Agilent MST Trap XCT (AG-2) were used Governors State University. PerkinElmer's Flexar with PDA (PE-1) was utilized at Blistex Inc.

Samples that employed solid phase extraction employed the Resprep C18 1mL/100mg cartridges from Restek and the Oasis HLB 30µm particle size 30mg sorbent Vac/RD 20cc cartridges from Waters. During the study a 20 position Extraction Manifold, 16mm x 100mm tubes, from Waters was employed with the Oasis HLB solid phase extraction cartridges.

CHAPTER 3 RESEARCH EXPERIMENTATION

A mixed stock solution and individual stock solutions containing 500ppm of each of the four PPCPs were prepared. Initially, acetonitrile was used to make all the dilutions. The solutions were analyzed using the gradient table outlined in Table 2.

Table 2: Preliminary Parameters

Time	% Acetonitrile	% Water
0-0.5 minutes	10%	90%
0.5-5.5 minutes	Ramp up 90%	Ramp down 10%
5.5-13.5 minutes	90%	10%
13.5-18.5 minutes (equilibrate)	10%	90%

[5] Column used at Blistex Inc (Oak Brook IL)

The analysis included injections of the 500ppm PPCP mix, and injections of the individual PPCP stocks, deionized water, and acetonitrile shown in Figures2-8. Solutions of 50ppm PPCP Mix were prepared from the 500ppm PPCP $mix_{(acetonitrile)}$ using 50/50 mixture of acetonitrile/deionized water, methanol, and deionized water, Figures 9-11.

A PPCP mix solutions at concentrations of 0.5, 1, 5 and 10ppm were prepared using deionized water as the final dilutions. These solutions were analyzed on columns K-1 and A-1. The instrument parameters are listed in Table 3. The solutions were injected in triplicate on each column. Figure 12 and 13 indicate a small shift in the retention times of the PPCPs.

Table 3: Instrument Parameters Kinetex (K-1) and Ascentis (A-1) Columns

Instrument	PE-1 (PerkinElmer Flexar with PDA)
Column	K-1 Kinetex 2.6µm 100mm X 4.6mm A-1 Ascentis 5µm 150mm X 4.6mm
Wavelength	230nm and 205nm
Flow	1.0mL/min
Injection Volume	75µL
Mobile Phase	10% Acetonitrile/90% Deionized Water (0.5 minutes) 5 minute ramp to 90% Acetonitrile/10%Deionized Water 90% Acetonitrile/Deionized Water (5 minutes) 5 minute Equilibration at 10% Acetonitrile/90% Deionized Water

A second set of PPCP Mix solutions were prepared, 0.02, 0.05, 0.1, 0.5, 1, and 5ppm, with deionized water as the final solvent. Analysis of the second set of PPCP Mix solutions was conducted on instrument AG-1 with column A-2. The instrument parameters are outlined in Table 4. Figures 14 and 15 shows the difference between the 0.5ppm PPCP mix and 0.2ppm PPCP Mix solutions, at injection volume of 30µL. Figure 16 shows the chromatogram from 0.02ppm PPCP Mix solution at an injection volume of 95 µL.

Table 4: A-2 Instrument Parameters

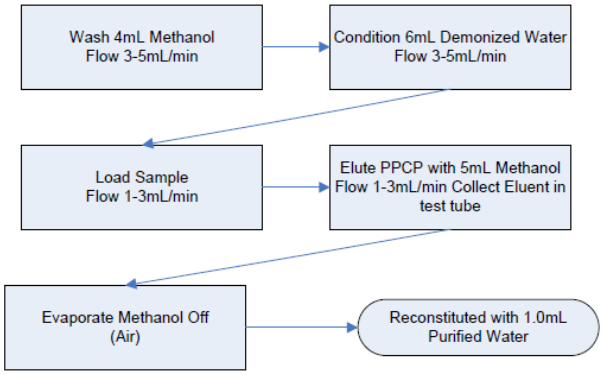
Instrument	AG-1 (Agilent 1260 with PDA)
Column	A-2 Ascentis 5µm 100mm X 2.1mm
Wavelength	230nm
Flow	0.5mL/min
Injection Volume	30µL, 95µL
Mobile Phase	5% Acetonitrile/95% Deionized Water (0.5 minutes) 5 minute ramp to 90% Acetonitrile/10%Deionized Water 90% Acetonitrile/Deionized Water (5 minutes) 5 minute Equilibration at 5% Acetonitrile/95% Deionized Water

Solid phase extractions were conducted on PPCP mix spiked deionized water solutions (Table 5). The solid phase extraction using the Restek Resprep C18 cartridges was conducted using the flow chart in Figure 1. The reconstituted solutions were analyzed according to Table 4 with 95µL injection volume and the detector programmed to collect data from 230nm, 235nm, 240nm, 254nm, 273nm, and 280nm.

Table 5: Solutions for Solid Phase Extraction

Solution	Total Volume
0.001ppm	100.0mL
0.005ppm	10.0mL
0.002ppm	10.0ml
0.01ppm	10.0mL
0.25ppm	10.0mL

Figure 1: Restek Resprep SPE Procedure Flowchart

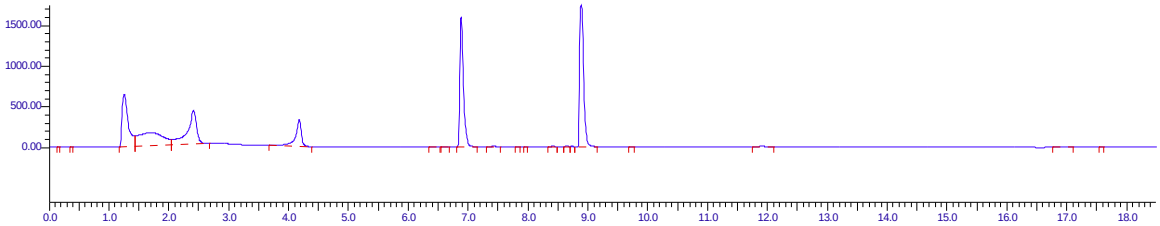


Solid phase extractions were conducted on 100.0mL of spiked deionized water at 0.005ppm PPCP mix, triplicate preparations, and at 0.05ppm PPCP mix, duplicate preparations. Deionized water was used as a blank. This extraction process employed the Waters' Oasis HLB cartridges. The Oasis HLB extraction process employed a 5% methanol wash at 5mL/min before the elution of the sample in the procedure outlined in Figure 1. The analysis was conducted using Instrument AG-2 following the parameters outlined in Table 6.

Table 6: Analysis Parameters for Oasis HLB Extraction

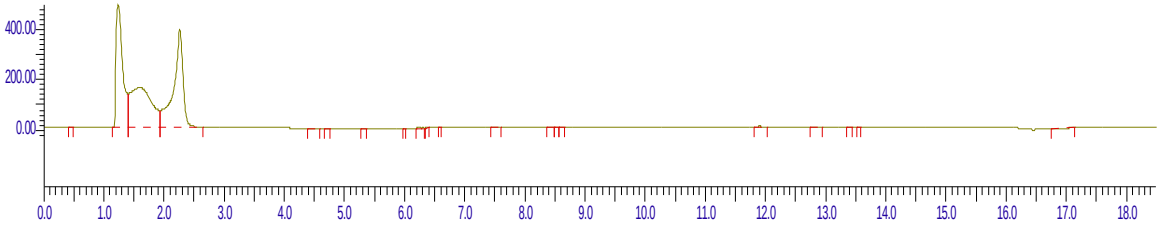
Instrument	AG-2 (Agilent 1100- PDA/ Agilent MST Trap XCT)
Column	A-2 Ascentis 5µm 100mm X 2.1mm
Wavelength	230nm, 235nm, 254nm, 273nm, 280nm
Flow	0.5mL/min
Injection Volume	30µL, 95µL
Mobile Phase	5% Acetonitrile/95% Deionized Water (0.5 minutes) 5 minute ramp to 90% Acetonitrile/10%Deionized Water 90% Acetonitrile/Deionized Water (5 minutes) 5 minute Equilibration at 5% Acetonitrile/95% Deionized Water
Nebulizer	40psi
Dry Gas	8mL/min
Dry Temperature	300°C
Mode	Positive and Negative

Figure 2: 500ppm PPCP Mix



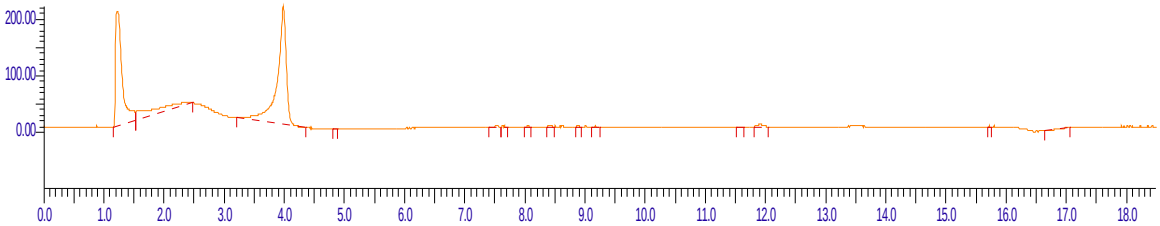
Instrument PE-1, Column A-1, flow 1.0mL/min wavelength 230nm, 10µL injection volume.

Figure 3: 500ppm Acetaminophen



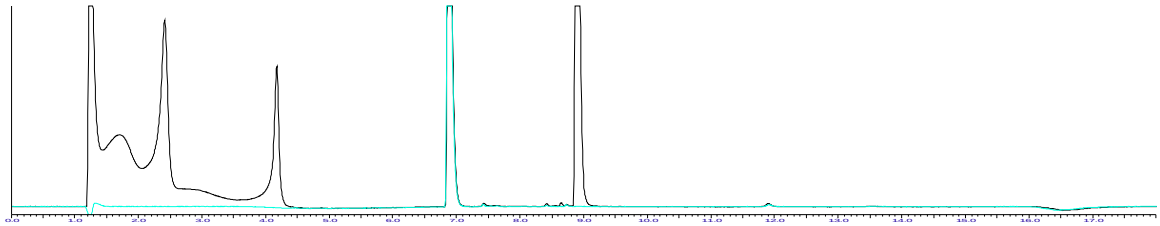
Instrument PE-1, Column A-1, flow 1.0mL/min wavelength 230nm, 10µL injection volume.

Figure 4: 500ppm Caffeine



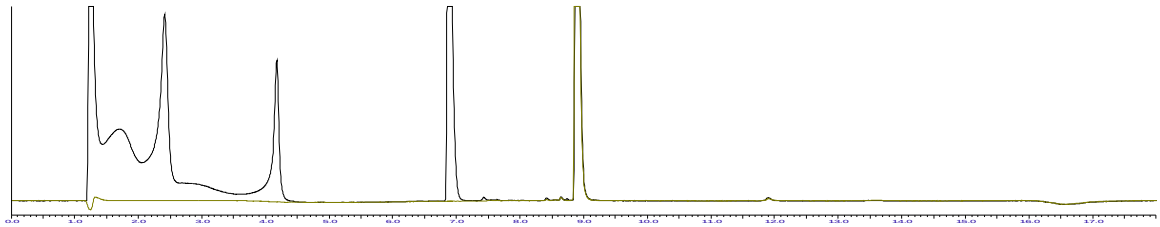
Instrument PE-1, Column A-1, flow 1.0mL/min wavelength 230nm, 10µL injection volume.

Figure 5: Overlay of 500ppm Mix and 500ppm Bisphenol-A



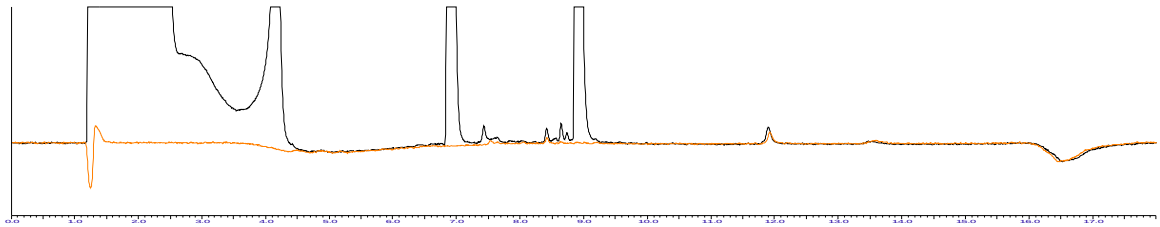
Instrument PE-1, Column A-1, flow 1.0mL/min wavelength 230nm, 10µL injection volume.

Figure 6: Overlay of 500ppm Mix and 500ppm Triclosan



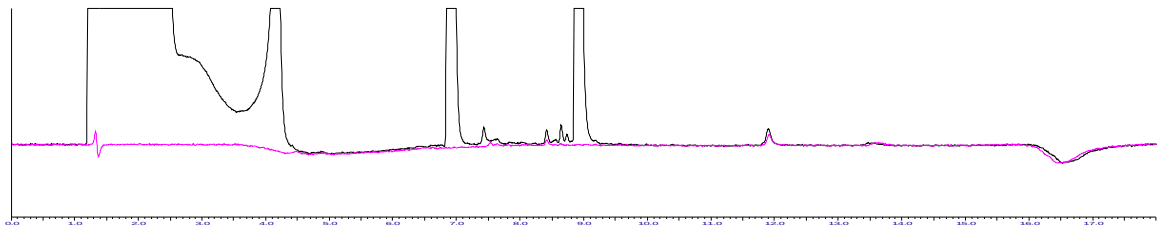
Instrument PE-1, Column A-1, flow 1.0mL/min wavelength 230nm, 10µL injection volume.

Figure 7: Overlay of 500ppm Mix and Acetonitrile



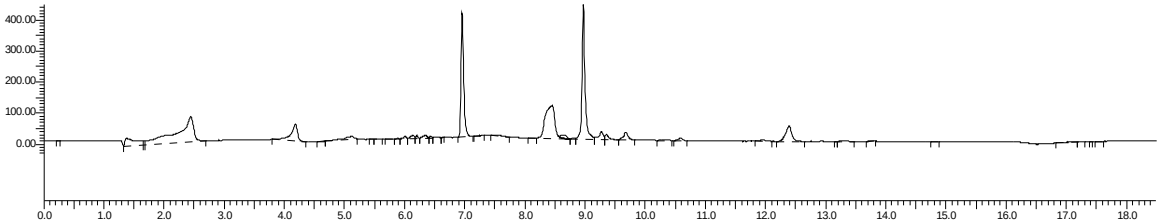
Instrument PE-1, Column A-1, flow 1.0mL/min wavelength 230nm, 10µL injection volume.

Figure 8: Overlay of 500ppm Mix and Deionized Water



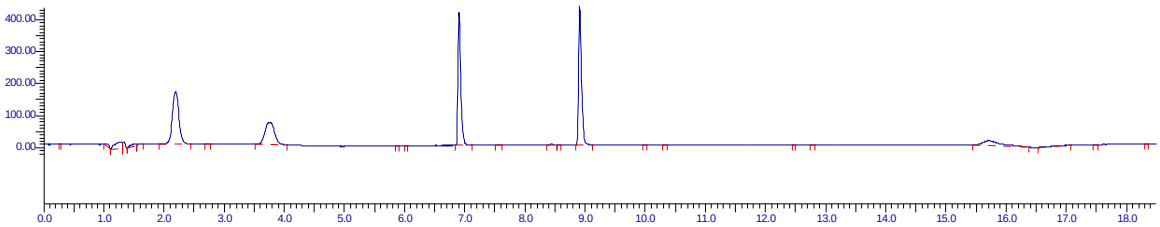
Instrument PE-1, Column A-1, flow 1.0mL/min wavelength 230nm, 10µL injection volume.

Figure 9: 50ppm PPCP Mix With 50/50 Acetonitrile / Deionized Water



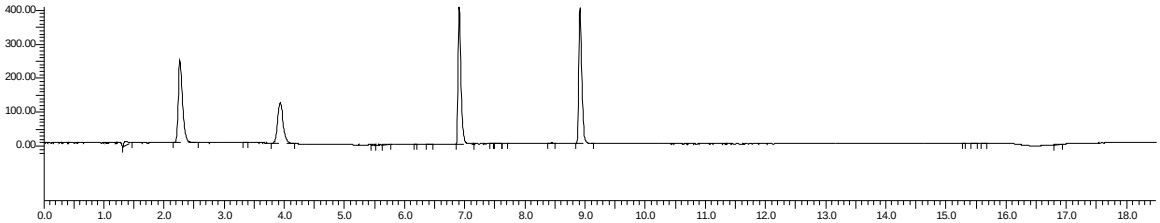
Instrument PE-1, Column A-1, flow 1.0mL/min wavelength 230nm, 10µL injection volume.

Figure 10: 50ppm PPCP Mix with Methanol



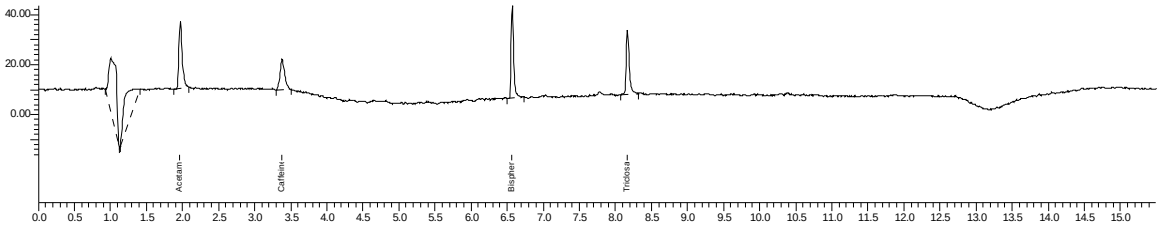
Instrument PE-1, Column A-1, flow 1.0mL/min wavelength 230nm, 10µL injection volume.

Figure 11: 50ppm PPCP Mix with Deionized Water



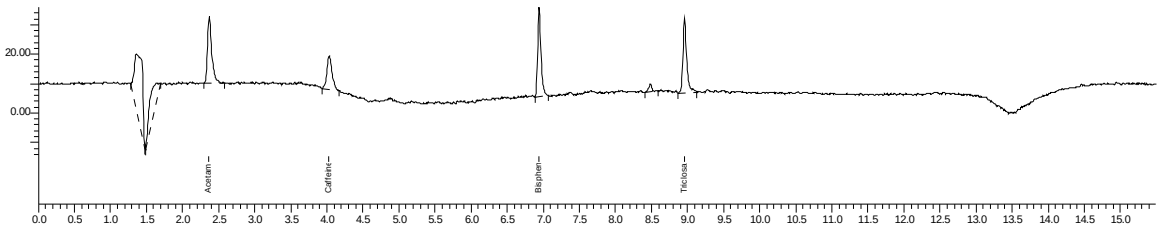
Instrument PE-1, Column A-1, flow 1.0mL/min wavelength 230nm, 10µL injection volume.

Figure 12: 0.5ppm PPCP Mix with Kinetex (K-1) Column



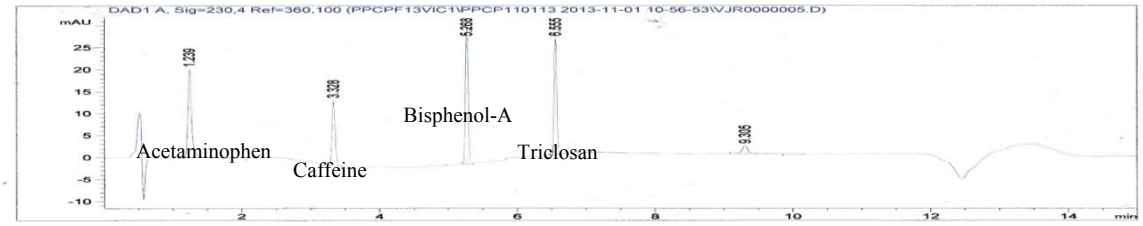
Instrument PE-1, Column K-1, flow 1.0mL/min wavelength 230nm, 75µL injection volume

Figure 13: 0.5ppm PPCP Mix with Ascentis (A-1) Column



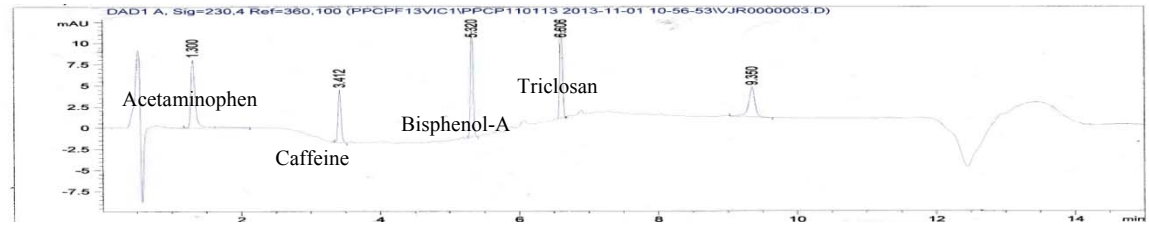
Instrument PE-1, Column A-1, flow 1.0mL/min wavelength 230nm, 75µL injection volume.

Figure 14: 0.5ppm PPCP Mix on AG-1 with Column A-2 30 µL



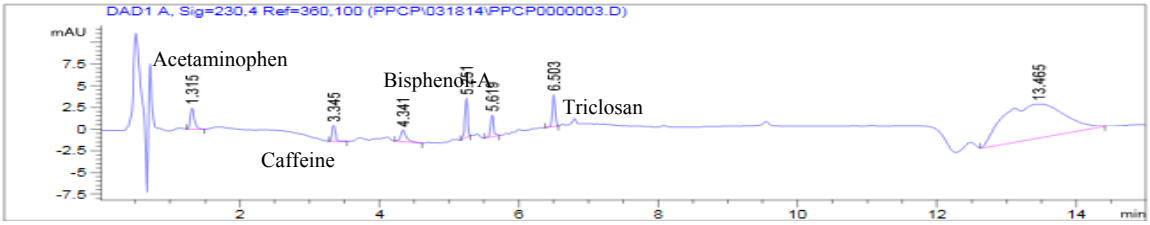
Instrument AG-1, Column A-2, flow 0.5mL/min wavelength 230nm, 30µL injection volume.

Figure 15: 0.2ppm PPCP Mix on AG-1 with Column A-2 30 µL



Instrument AG-1, Column A-2, flow 0.5mL/min wavelength 230nm, 30µL injection volume.

Figure 16: 0.02ppm PPCP Mix on AG-1 with Column A-2 95 µL



Instrument AG-1, Column A-2, flow 0.5mL/min wavelength 230nm, 30µL injection volume.

CHAPTER 4 RESULTS

Analysis conducted on instrument PE-1 with columns K-1 and A-1 indicated a separation method that can be used for detection and quantitation. Precision was preliminary determined by injected each solution in triplicate. The % Relative Standard Deviation (%RSD) using the K-1 column (Table 3 parameters), yielded %RSD ≤ 6% for the 0.5ppm PPCP mix and %RSD ≤ 3% for 1, 5 and 10ppm PPCP mix at 230nm and 205nm. The A-1 column using Table 3 parameters yielded % RSD ≤ 8% for the 0.5ppm PPCP mix at 230nm and %RSD ≤ 4% at 205nm. The %RSD were ≤ 4% for 1, 5 and 10ppm PPCP mix at 230nm and 205nm. Linearity was determined by the R-square values using the concentrations versus the average area response (n=3). PerkinElmer chromatographic software, TotalChrom was employed to determine the linearity for K-1 and A-1 at 230nm and 205nm. All four PPCP had a linear response from 0.5 to 10ppm, with r-squares ≥ 0.990. A 5ppm solution was used to determine the accuracy for the K-1 and A-1 columns at 230nm and 205nm. At 230nm, recoveries for the analytes were within 100% ± 3%, both columns and at 205nm recoveries for the analytes were within 100% ± 10%.

Analysis conducted on instrument AG-1 with column A-2 was conducted at 30uL and at 95uL (Table 4 parameters). PPCP mix solution at 0.2, 0.5, 1 and 5ppm analyzed with a 30uL injection. Precision was determined on duplicate injections of 0.2, 0.5 and 1ppm solutions and yielded %RSD ≤ 2.0%. Linearity was determined by calculating the R-square values using concentrations versus average area responses (n=2)[6]. All four PPCPs had a linear response from 0.2 to 5ppm with r-squares ≥ 0.9990.

[6] Data for 5ppm standard was from a singular injection due to instrument/software error.

Additional analysis was conducted on PPCP mixes at 0.02, 0.05, 1 and 5 ppm using parameters listed in Table 4 with 95uL injection volume at 230nm. Precision was determined on duplicate injections of 0.2, 0.05, and 5ppm solutions and yielded %RSD ≤ 2.0% for all acetaminophen, caffeine and triclosan. Bisphenol-A precision for the 0.05ppm solution was 12% Linearity was determined by calculating the R-square values using concentrations versus area responses. All four PPCPs had a linear response from 0.02ppm to 5ppm ≥ 0.9999. Recoveries of the duplicate injections of 0.05 and 5ppm solutions were within 100% ± 15%. Recovery of caffeine at 0.02ppm was 72%.

Recoveries of the spiked deionized water samples using Restek Resprep C18 solid phase extraction ranged from 160% to 45% for caffeine, bisphenol-A and triclosan (Table 7). Acetaminophen was detected in the 0.25ppm (250ng/mL) solution with a 19% recovery.

Table 7: Restek Resprep C18 SPE Results

Solution ID	Acetaminophen Results %Recovery	Caffeine Results %Recovery	Bisphenol-A Results %Recovery	Triclosan Results %Recovery
1 ng/mL (0.001ppm)	No peak detected	1.14 ng/mL 114%	2.63 ng/mL 259%	0.45 ng/mL 45%
2 ng/mL (0.002ppm	No peak detected	2.51 ng/mL 128%	3.22 ng/mL 159%	2.08 ng/mL 105%
5 ng/mL (0.005ppm)	No peak detected	6.02 ng/mL 122%	7.91 ng/mL 156%	5.48 ng/mL 110%
10 ng/mL (0.01ppm)	No peak detected	9.24 ng/mL 93%	11.6 ng/mL 114%	6.76 ng/mL 68%
250 ng/mL (0.25ppm)	47.8 ng/mL 19%	231 ng/mL 94%	239 ng/mL 94%	117 ng/mL 47%

Oasis HLB solid phase extraction recoveries were reproducible for the 0.05ppm PPCP mix spiked deionized water samples, Table 8. The 0.0005ppm PPCP analysis yielded results that were inconclusive, Table 8.

Table 8: Oasis HLB SPE Results

Solution ID	Acetaminophen Results[7] %Recovery	Caffeine Results[7] %Recovery	Bisphenol-A Results[7] %Recovery	Triclosan Results[7] %Recovery
0.5 ng/mL (A) (0.0005ppm)	No peak detected	0.391 ng/mL 79%%	45.1 ng/mL > 200%	0.517 ng/mL 102%
0.5 ng/mL (B) (0.0005ppm	2.60 ng/mL > 200%	23.2 ng/mL > 200%	33.0 ng/mL > 200%	13.8 ng/mL > 200%
0.5 ng/mL (C) (0.0005ppm)	No peak detected	0.164 ng/mL 33%	0.471 ng/mL 92%	0.149 ng/mL 30%
50 ng/mL (0.05ppm)	9.57 ng/mL 19%	47.6 ng/mL 96%	47.6 ng/mL 93%	40.4 ng/mL 80%
50 ng/mL (0.05ppm)	9.13 ng/mL 18%	45.9 ng/mL 92%	46.2 ng/mL 90%	43.4 ng/mL 86%

CHAPTER 5 DISCUSSION

Preliminary analysis indicated the solvent preference of deionized water for standards and final reconstitution of sample (Figures 2-11). This preference yielded to direct analysis of water samples and solid phase extraction with reconstitution with de-ionized water. The initial gradient table (Table 1) was derived from several sources (9, 15- 17). The method transfer from instrument PE-1, columns A-1 and K-1, to instrument AG-1, column A-2, required changes to the gradient table and flow (Table 4). Figures 12-14 indicate that the column A-2 dimensions decreased the retention time of the components. Changes made to the gradient table enabled the acetaminophen peak to be retained on the column thereby separating it from the solvent front.

The packing of the three columns incorporated the fused core technology. Stationary phase is bound to the porous shell that covers the solid core particles decrease the

[7] Results are corrected due to blank.

dispersion as the analyte travels in the column, Eddy diffusion (18, 19). The decrease in the Eddy diffusion impacts Van Deemters equation for plate height (19):

$$HETP = A + \frac{B}{u} + Cu$$

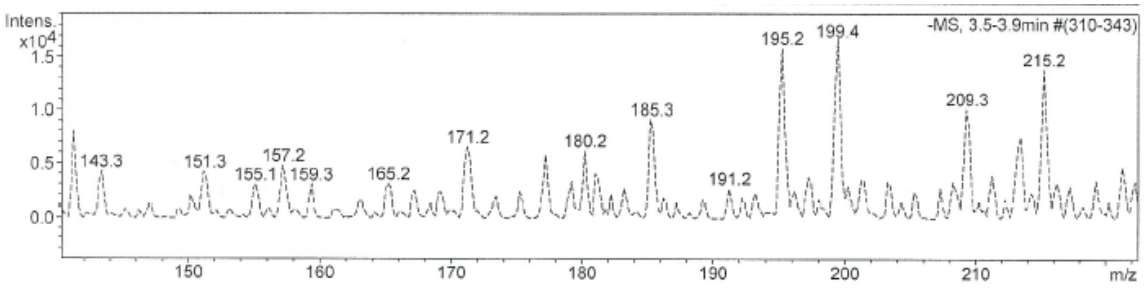
HETP = Height equivalent to theoretical plate
A = Eddy Diffusion
B= Longitudinal diffusion
C= Resistance to mass transfer
u= average velocity of mobile phase

Use of the fused core columns increase plates, minimizes peak broaden, decrease analysis time and decrease mobile phase. PPCP mix standard at 0.02ppm had signal to noise levels(S:N) above 3, (detection limit[8]). Standards at 0.025ppm had S:N levels above 10, (quantitation limit[8]). Although the linearity at the lower standard concentrations yielded values ≥ 0.999 for all PPCPs, the recoveries indicated a bias at this level.

Solid phase extractions were conducted with Restek Resprep C18 and Waters Oasis HLB cartridges. Both cartridges lacked retention for acetaminophen. Analysis conducted with the Restek cartridge improved in recoveries as the sample load (PPCP solution) increased for caffeine, and bisphenol. Triclosan at 2ppm had the best recovery. Solid phase extraction with the Waters Oasis HLB had recoveries of 100% ± 20% for caffeine, Bisphenol-A, and Triclosan for 0.05 spiked water samples. Mass spectrums indicated m/z ratios for the four PPCP in the 0.025ppm mix at very low intensities. Mass spectrums for 0.0005ppm PPCP mix (C) (Waters Oasis HLB 0.0005 ppm SPE) exhibited m/z ratios for caffeine, bisphenol-A and triclosan, Figures 17-19. At higher concentrations, the both cartridges retained acetaminophen; however the recoveries were ≤ 20%.

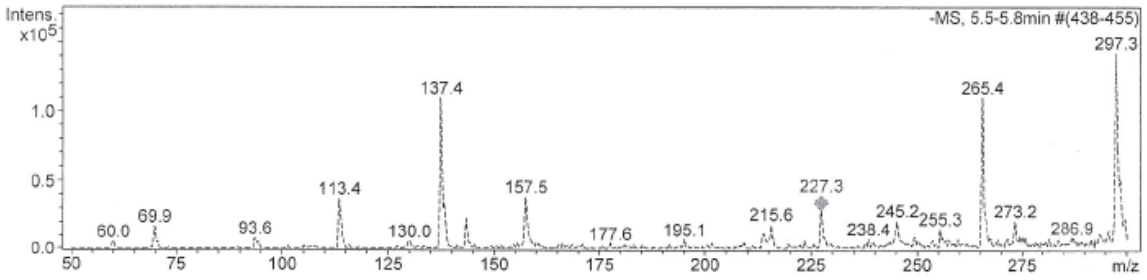
[8] Industry Standards

Figure 17: Mass Spectrum Oasis HLB 0.0005ppm Mix Caffeine



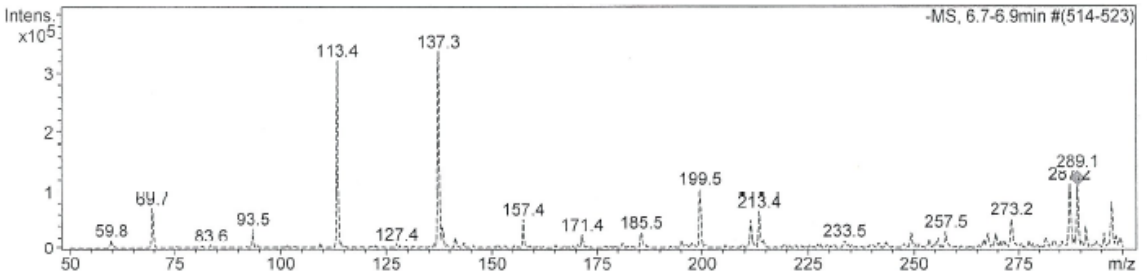
Caffeine, m/z 195.2, (negative mode) Spectrum Enlarged

Figure 18: Mass Spectrum Oasis HLB 0.0005ppm Mix Bisphenol-A



Bisphenol-A, m/z 227.3, (negative mode)

Figure 19: Mass Spectrum Oasis HLB 0.0005ppm Mix Triclosan



Triclosan, m/z 289.1, (negative mode)

CHAPTER 6 CONCLUSION

The detection of pharmaceuticals and personal care products in water samples can be achieved using the methods, instruments and columns outlined in this paper.

Detection of PPCPs, caffeine, bisphenol-A, and triclosan, on water samples with concentrations ≥ 0.05ppm (50ng/mL) can be achieved using solid phase extraction with Oasis HLB cartridges. Oasis HLB solid phase extraction on 0.0005ppm PPCP mix was

inconclusive. Three replicates had positive results for caffeine, bisphenol-A and triclosan. The results however did not correlate with each other indicating that further work is required to improve the quantitation of caffeine, bisphenol-A and triclosan in water samples.

Non detection of acetaminophen on Restek Resprep, and on Oasis HLB indicates that the procedures outlined in this paper are not suitable for acetaminophen. Further studies of acetaminophen retention on solid phase extraction are required. Acetaminophen detection is possible on direct injections of water samples on concentrations of 0.02ppm and higher.

Quantitation of pharmaceuticals and personal care products in water samples can be achieved with standards between 0.2 and 10ppm. Standards at lower concentration indicated a bias in the recoveries by 7% for acetaminophen, 15% for bisphenol-A, 12% for triclosan and 30% for caffeine. This bias in quantitation indicated more work required to improve the recoveries at the PPCP levels below 0.05ppm.

This method can be applied to surface water samples for detection of acetaminophen, caffeine, bisphenol-A and triclosan as a direct injection of with sample clean up using solid phase extraction. Actual analysis of surface water samples will occur in the next phase of this project.

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Appendix A

Standard Operating Procedures for HPLC Analysis of PPCPs in Water

Standard Operating Procedure

HPCL Analysis for PPCPs in Water Analysis of Acetaminophen, Caffeine, Bisphenol A and Triclosan in Water Samples	
Governors State University	Chemistry Department
May 2014	Page 1 of 3

A. PURPOSE

This method is applicable to analysis of acetaminophen, caffeine, bisphenol-A and Triclosan in water samples. The instrument parameters can be used as initial parameters for analysis of the analytes mention above.

B. SCOPE

Spiked Water Samples

Water Reconstituted Samples from Solid Phase Extractions

C. EQUIPMENT AND INSTRUMENTATION

Analytical Balance

Volumetric Flasks: 25.0, 50.0, 100.0mL (others may be used)

Volumetric Pipets: 0.5, 1.0, 5.0mL (others may be used)

0.45um syringe filter (optional)

Auto sampler Vials and Seals

Column A: Supleco Ascentis Express C18 (fused core) 5µm 100mm x 2.1mm

Column B: Supleco Ascentis Express C18 (fused core) 5µm 150mm x4.6mm (if available)

Column C: Kinetex C18 (fused core) 2.6µm 100mm x 4.6mm can be used (if available)

Suitable HPLC with UV-Vis Detector and or MST Trap XCT

D. REAGENTS

Acetaminophen

Caffeine

Bisphenol-A

Triclosan (Irgasan)

Acetonitrile: HPLC grade or better

Water: Deionized or purified

E. INSTRUMENT PARAMETERS

Wavelength: 230nm (235nm and 240nm can be observed)

Flow 0.5mL/min for column A (Column B &C: 1.0mL/min)

Injection volume 30uL for calibration set 1, 95uL for calibration set 2

Gradient Table

Column A	Column B & C
0-0.5minutes 5% Acetonitrile: 95% Water	0-0.5minutes 10% Acetonitrile: 90% Water
0.5-5.5 minutes Ramp to 90% CH_3CN:10% H_2O	0.5-5.5 minutes Ramp to 90% CH_3CN:10% H_2O
5.5-10 minutes 90% CH_3CN:10% H_2O	5.5-10 minutes 90% CH_3CN:10% H_2O
10-10.5 minutes ramp to 5% CH_3CN:95% H_2O	10-10.5 minutes ramp to 10% CH_3CN:90% H_2O
10.5-15 minutes 5% CH_3CN:95% H_2O	10.5-15 minutes 10% CH_3CN:90% H_2O

F. STANDARD PREPARATION (Macro)

1. Accurate weigh 50mg ± 10% of standard(s) and dilute to 100.0mL (volumetric flask, v/f) with acetonitrile. Seal and Mix. (500ppm standard stock)
2. Pipet 1.0mL 500ppm stock into 100.0mL v/f and dilute with water (deionized or purified). (5ppm standard)
3. Prepare the set of standards required for the analysis:

Solution	Procedure: Water (deionized or purified) as solvent for all dilutions
10ppm	Pipet 1.0mL 500ppm and dilute to 50.0mL v/f
1ppm	Pipet 5.0mL 5ppm and dilute to 25.0mL v/f
0.5ppm	Pipet 5.0mL 5ppm and dilute to 50.0mL v/f
0.1ppm	Pipet 1.0mL 5ppm and dilute to 50.0mL v/f
0.05ppm	Pipet 1.0mL 5ppm and dilute to 100.0mL v/f
0.025ppm	Pipet 0.5mL 5ppm and dilute to 100.0mL v/f

(Other dilution schemes can be used to achieve the solutions)

4. Seal and mix each solution.
5. Filter (if necessary) the following solutions through 0.45mm syringe filter

Calibration Set 1	Calibration Set 2
10ppm	1ppm
5ppm	0.5ppm
1ppm	0.1ppm
0.5ppm	0.05ppm
0.1ppm	0.025ppm

(Time for analysis of standards: 1.25 hours)

G. Sample Preparation

1. Transfer reconstituted solid phase extraction water sample from tube into auto sampler vial and seal.

2. Filter the water sample to remove any particulates and transfer an aliquot to an auto sampler vial and seal.

H. Sequence Scheme
   1. Inject each standard from the required calibration set once.
   2. Inject each sample once.

I. Data Treatment
   1. Graph the concentration versus response.
   2. Determine the linearity.
   3. From the equation of the linear regression line, calculate the results from the standards.

J. Standard Chromatograms Examples
   Peak 1; Acetaminophen, Peak 2; Caffeine, Peak 3; Bisphenol-A, Peak 4; Triclosan

Figure 1: Chromatogram Kinetex Column 0.5ppm Standard

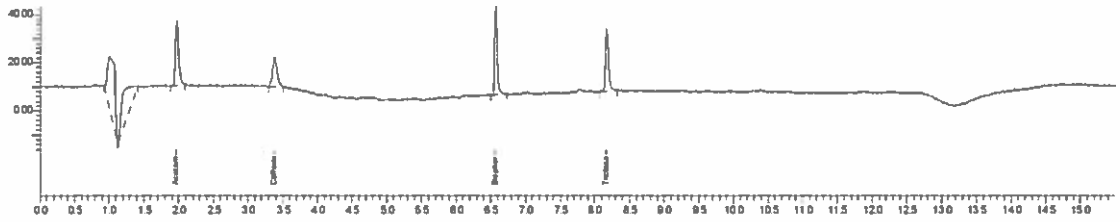


Figure 2: Chromatogram Ascentis 4.6x 150mm Column 0.5ppm Standard

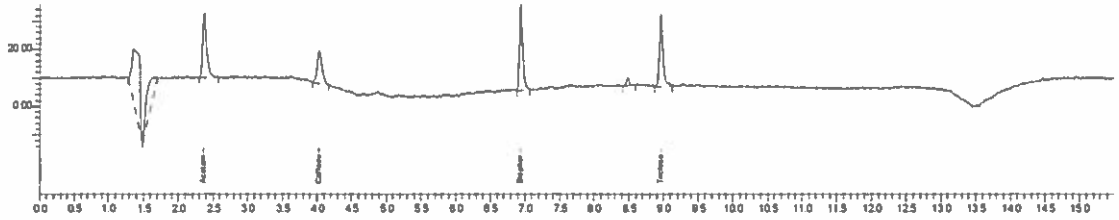
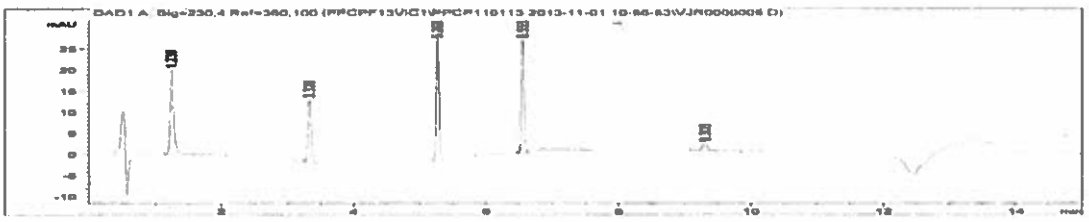


Figure 3: Chromatogram Ascentis 100mm x 2.1mm Column 0.5ppm Standard



Appendix B

Procedure for Solid Phase Extraction

A. PURPOSE

This procedure is used to concentrate caffeine, bisphenol-A and Triclosan in water samples. The reconstituted sample can be analyzed by HPLC (HPLC Analysis for PPCPs in Water: Analysis of Acetaminophen, Caffeine, Bisphenol-A and Triclosan in Water Samples)

B. SCOPE

Spiked Water Samples
Water Samples
Surface Water (experimentation)

C. EQUIPMENT

Waters Oasis HLB Solid Phase Extraction Cartridges 30µm particle, 30mg Sorbent Vac/RD 20cc
Extraction Manifold*
Vacuum Pump* with Liquid Trap
(Other Vacuum system can be employed if not available)

D. REAGENTS

Methanol: HPLC grade or better
Water: Deionized or purified
(Others can be used if performing research)
5% Methanol Solution (prepared with deionized or purified water)

E. PROCEDURE

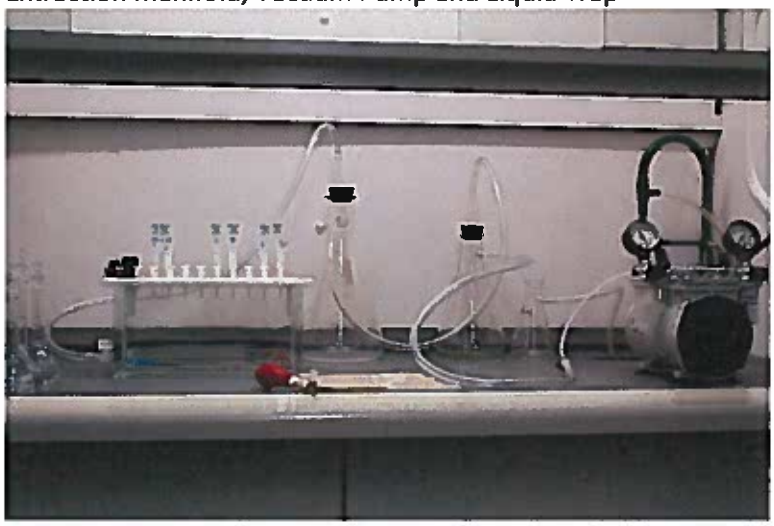
1. Connect the extraction manifold (without test tube rack) up to vacuum pump using a liquid trap.
2. Insert the Oasis HLB cartridge on the manifold. (Stop cocks are not required with the Oasis HLB.)
3. Add 4mL of Methanol to the cartridge. Apply the vacuum at a flow of 1-5mL/min. Remove vacuum.
4. Add 6mL of deionized or purified water. Apply the vacuum at a flow of 1-5mL/min. Remove vacuum.
5. Load a known amount of sample and apply the vacuum at a lower flow rate, 1-3mL/min. Remove vacuum. (Premeasure the amount of sample and record volume. The volume is used in the calculation to determine concentration.)
6. Add 4mL of 5% methanol solution. Apply the vacuum at 1-5mL/min. Remove vacuum.
7. Insert the test tube rack into the vacuum manifold. Place test tubes in the required position to collect the eluent.
8. Add 5mL of methanol. Apply the vacuum at a flow of 1-3mL/min, collecting the eluent in the test tubes. Remove vacuum.

9. Evaporate the methanol off with the aid of air or nitrogen.
10. Pipet 1.0mL of deionized or purified water into the test tube making sure the inside walls of tube are rinsed.
11. With a glass disposable pipet, transfer the reconstituted sample to an auto sampler vial and seal.
12. Analyze sample by HPLC (method listed in purpose).
13. Calculate the raw result from the equation of the linear regression line.
14. Determine the concentration of the sample by dividing the raw result by the volume of sample used.

F. PICTURES

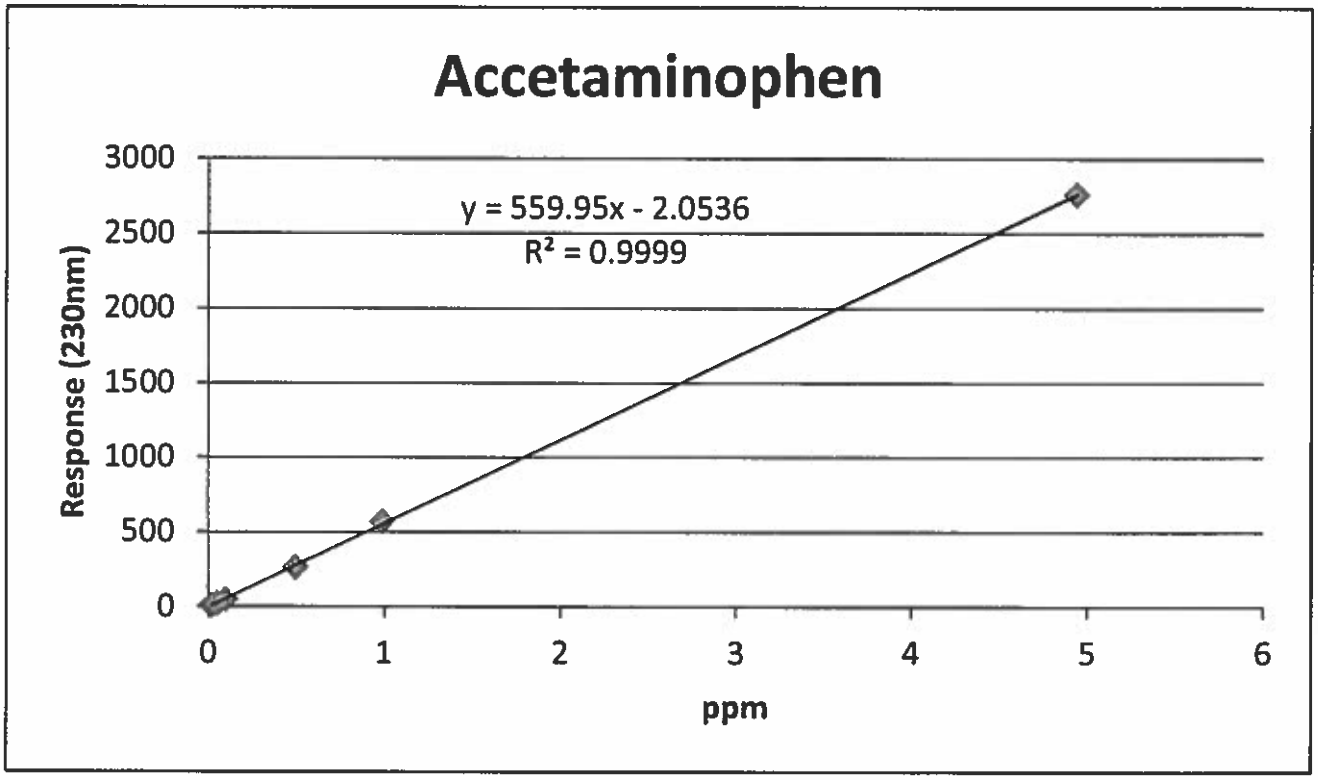
Extraction manifold with SPE Cartridges

Extraction Manifold, Vacuum Pump and Liquid Trap



Appendix C

Data Sheets 031814


Accetaminophen
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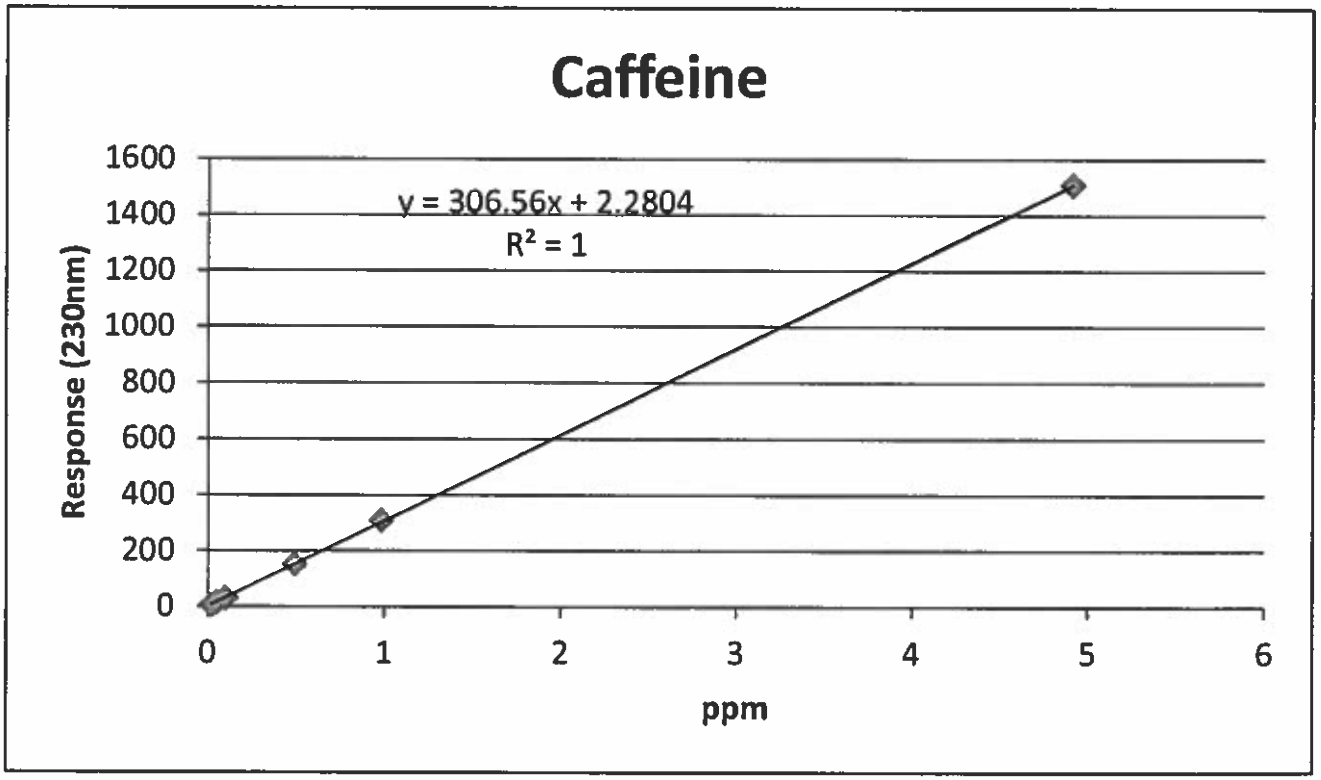
2000
1500
1000
500
0
0
1
2
3
4
5
6
ppm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R² = 1
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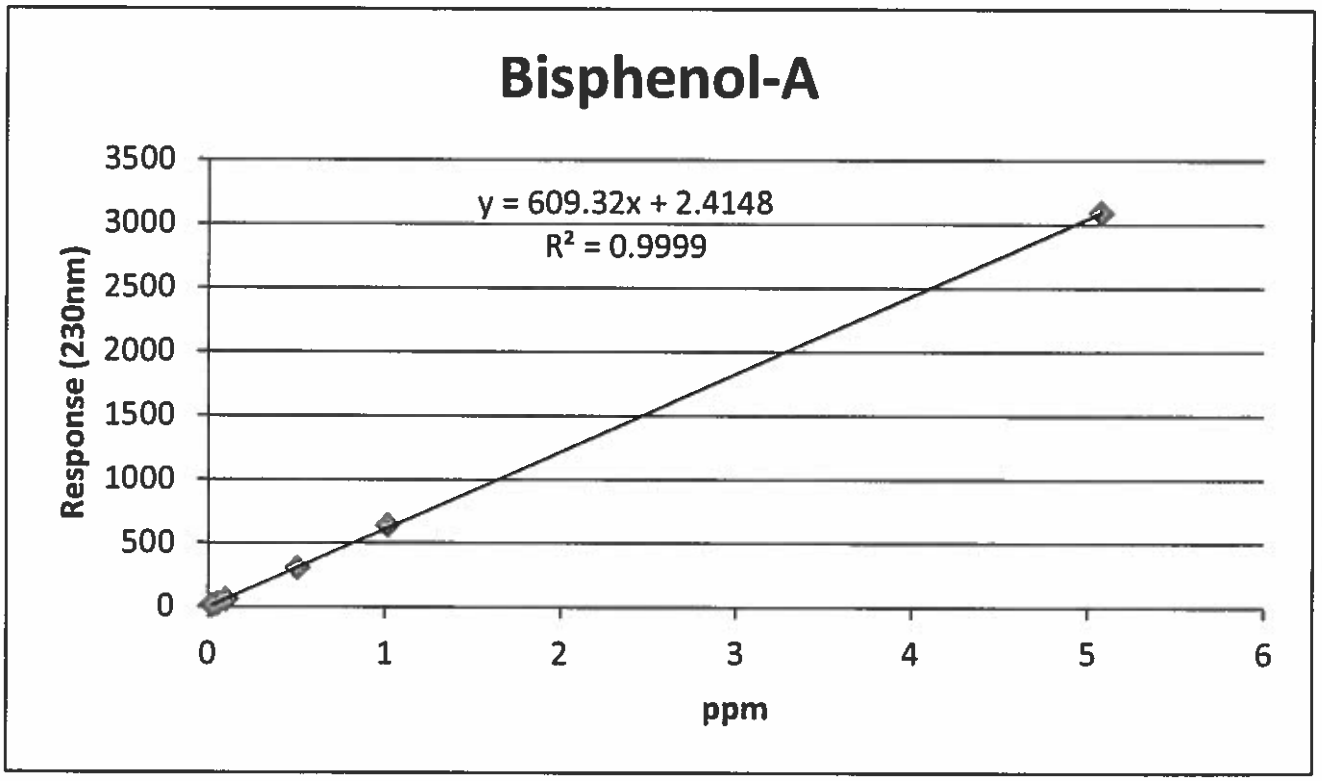
2
3
4
5
6
ppm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R² = 0.9999
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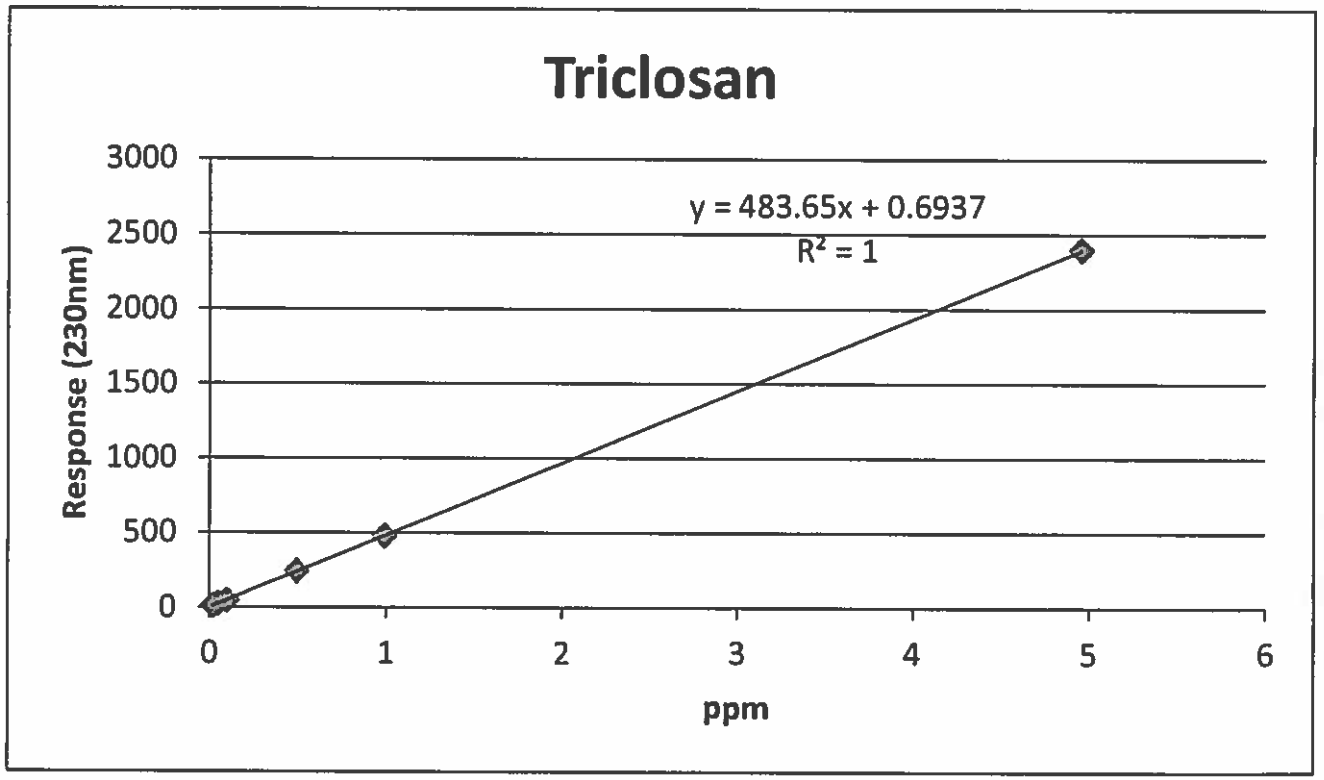
3
4
5
6
ppm


Triclosan
y = 483.65x + 0.6937
R² = 1
Response (230nm)
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2000
1500
1000
500
0
0
1
2
3
4
5
6
ppm

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000002.D
Sample Name: di H2O

```
==========================================================================
Acq. Operator   : SYSTEM                          Seq. Line :   1
Acq. Instrument : HPLC                             Location : Vial 1
Injection Date  : 3/18/2014 11:19:07 AM                Inj :   2
                                                  Inj Volume : 95.000 µl
Acq. Method     : C:\CHEM32\1\METHODS\KENT METHODS\031814VJR1.M
Last changed    : 3/18/2014 10:38:14 AM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\KENT METHODS\DEFAULT 1.M
Last changed    : 3/21/2014 12:17:40 PM by SYSTEM
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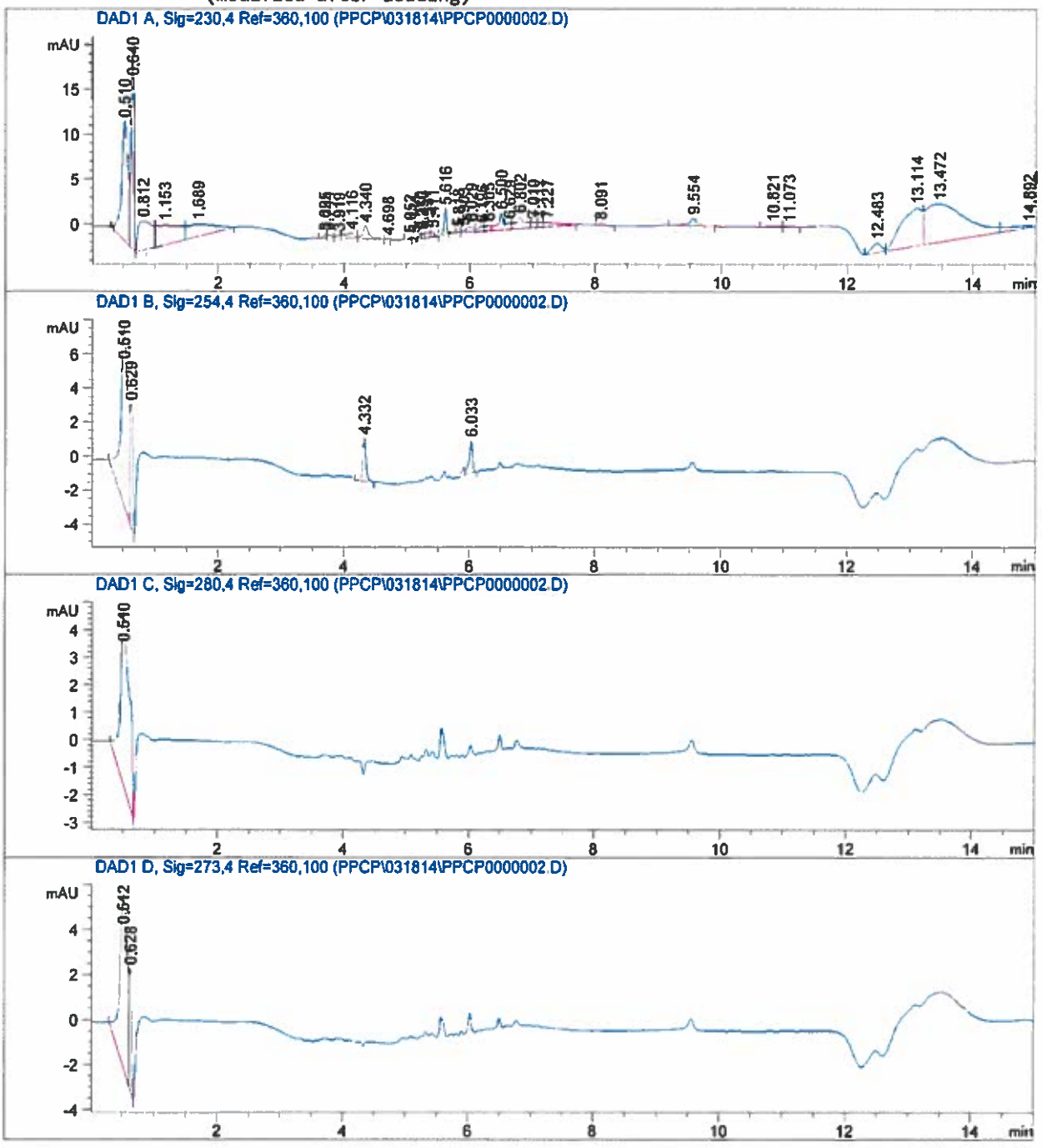

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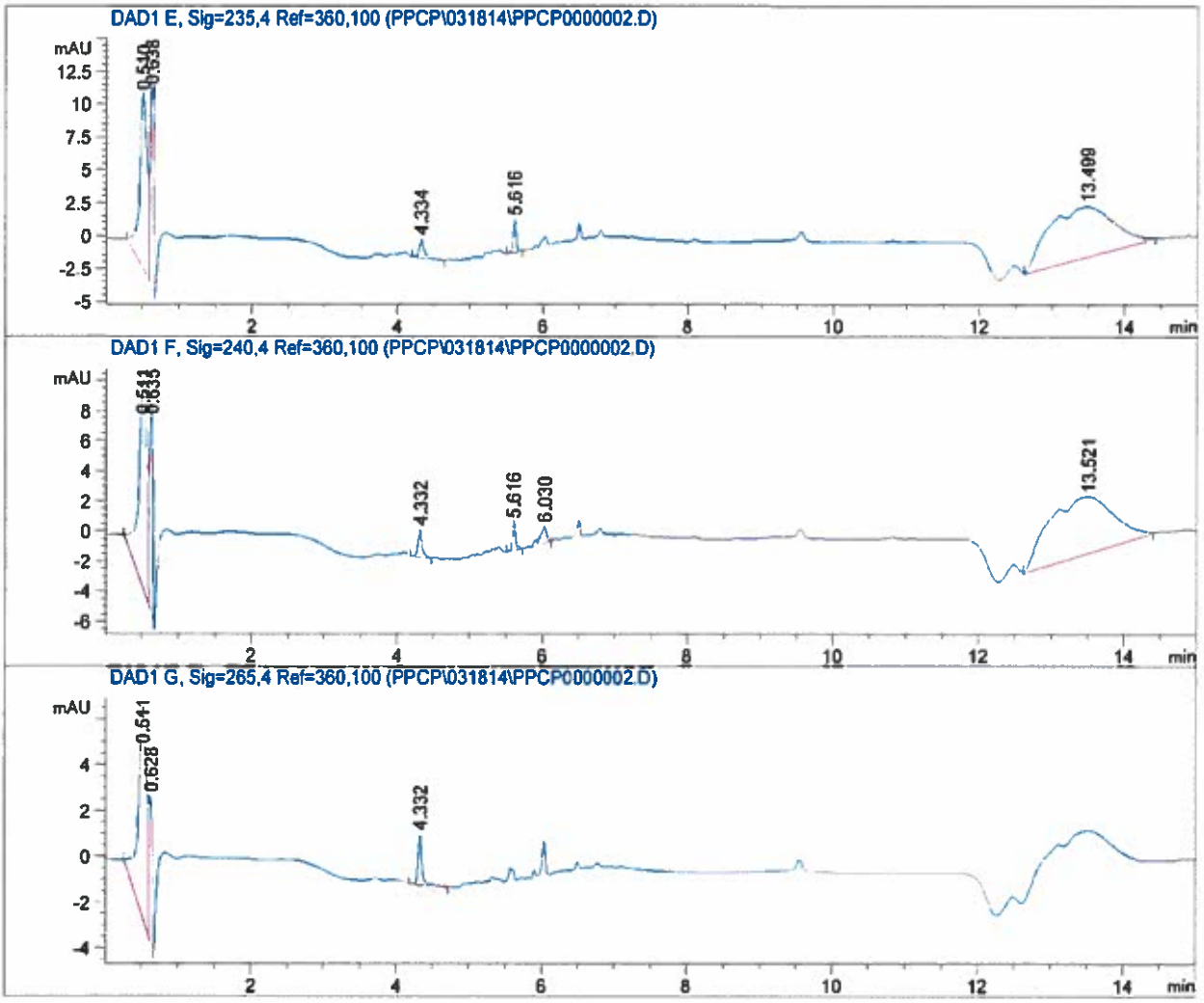

==========

Area Percent Report with Performance and Noise

==========

Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=230,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.2374	0.1276	-	-	-25.198

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000002.D
Sample Name: di H2O

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
0.510	-	93.18657	13.22868	0.88	0.1178	104	-	55.7
0.640	-	69.92609	22.73914	1.29	0.0495	934	0.91	95.8
0.812	-	50.85582	3.24991	0.63	0.2852	45	0.60	13.7
1.153	-	56.47613	2.18301	0.62	0.4711	33	0.53	9.2
1.689	-	40.54117	1.33089	0.81	0.7800	26	0.50	5.6
3.695	-	1.24689	3.27366e-1	1.59	0.0604	20734	2.81	1.4
3.744	-	1.25707	2.82984e-1	0.41	0.0868	10311	0.39	1.2
3.919	-	8.34199e-1	2.24356e-1	1.27	0.0650	20083	1.35	9.5e-1
4.116	-	5.37803	5.28128e-1	2.00	0.2180	1975	0.82	2.2
4.340	-	9.95410	1.44569	0.71	0.0800	16323	0.89	6.1
4.698	-	4.33181e-1	1.46894e-1	0.87	0.0564	38390	3.08	6.2e-1
5.052	-	6.22541e-1	2.05023e-1	1.25	0.0525	51159	3.82	8.6e-1
5.111	-	4.37845e-1	1.55904e-1	1.27	0.0542	49205	0.65	6.6e-1
5.210	-	1.29747	4.85883e-1	1.70	0.0439	77923	1.18	2.0
5.253	-	1.44990	4.80903e-1	0.91	0.0569	47241	0.50	2.0
5.331	-	2.46743	5.71160e-1	1.00	0.0827	23023	0.66	2.4
5.411	-	2.14945	5.20206e-1	0.95	0.0724	30964	0.61	2.2
5.616	-	8.13750	2.84177	1.10	0.0460	82570	2.04	12.0
5.818	-	3.28861e-1	1.35844e-1	1.29	0.0416	108443	2.71	5.7e-1
5.903	-	5.98628e-1	2.16886e-1	1.08	0.0498	77769	1.09	9.1e-1
6.029	-	3.92012	6.16128e-1	1.52	0.1217	13594	0.87	2.6
6.196	-	3.26191	4.46219e-1	2.43	0.1457	10023	0.73	1.9
6.305	-	3.13382	5.24283e-1	1.71	0.1087	18615	0.51	2.2
6.500	-	10.56235	1.85865	1.88	0.0622	60503	1.34	7.8
6.629	-	4.22985	6.90644e-1	1.74	0.1101	20069	0.88	2.9
6.802	-	13.95297	1.26746	0.78	0.2478	4176	0.57	5.3
7.010	-	3.70257	5.99113e-1	0.55	0.1037	25308	0.70	2.5
7.117	-	3.11937	5.37589e-1	0.64	0.1004	27845	0.62	2.3
7.227	-	7.43659	4.79782e-1	0.20	0.4637	1346	0.23	2.0
8.091	-	8.93974e-1	1.82458e-1	0.68	0.0695	74998	1.90	7.7e-1
9.554	-	6.70910	8.54008e-1	1.48	0.0933	58073	10.56	3.6
10.821	-	7.64802e-1	7.28483e-2	1.03	0.1644	23966	5.78	3.1e-1
11.073	-	4.76167e-1	6.41661e-2	0.83	0.1124	53812	1.07	2.7e-1
12.483	-	10.23764	9.52038e-1	1.25	0.1744	28366	5.78	4.0
13.114	-	95.98885	4.16052	3.41	0.3784	6654	1.34	17.5
13.472	-	185.33777	4.18636	0.53	0.8322	1451	0.35	17.6
14.892	-	9.94246	1.60650e-1	15.70	0.2813	15517	1.50	6.8e-1

Signal 2: DAD1 B, Sig=254,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.1070	5.680e-2	-	-	-7.993

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000002.D
Sample Name: di H2O

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
0.510	-	86.21343	10.31384	0.85	0.1432	70	-	96.4
0.629	-	20.29215	7.26827	0.82	0.0466	1009	0.74	67.9
4.332	-	9.02977	2.52326	0.89	0.0541	35509	43.21	23.6
6.033	-	7.40534	1.93774	1.49	0.0541	69025	18.48	18.1

Signal 3: DAD1 C, Sig=280,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	5.120e-2	3.152e-2	-	-	-4.047

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
0.510	-	61.81870	6.29040	0.56	0.1583	57	-	122.9

Signal 4: DAD1 D, Sig=273,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	7.218e-2	3.961e-2	-	-	-4.466

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
0.512	-	64.28341	7.66213	0.81	0.1455	70	-	106.2
0.628	-	14.51721	5.38665	0.63	0.0440	1135	0.72	74.6

Signal 5: DAD1 E, Sig=235,4 Ref=360,100

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000002.D
Sample Name: di H2O

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.1961	0.1077	-	-	-19.493

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
0.510	-	97.14109	13.21782	0.89	0.1279	88	-	67.4
0.638	-	56.73998	18.03311	1.34	0.0590	644	0.81	91.9
4.334	-	7.14455	1.37919	0.60	0.0633	25965	35.50	7.0
5.616	-	7.20238	2.44737	0.97	0.0453	85016	13.86	12.5
13.499	-	239.07681	3.76905	1.63	1.1133	814	7.99	19.2

Signal 6: DAD1 F, Sig=240,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.1674	9.417e-2	-	-	-14.613

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
0.511	-	113.18667	13.77353	0.98	0.1345	79	-	82.3
0.635	-	43.98210	13.68211	1.27	0.0605	611	0.75	81.7
4.332	-	6.98662	1.75107	0.87	0.0567	32334	37.06	10.5
5.616	-	5.47883	1.78990	0.89	0.0453	85016	14.79	10.7
6.030	-	5.17222	1.06751	1.80	0.0717	39209	4.16	6.4
13.521	-	232.63295	3.67300	1.72	1.1000	836	7.51	21.9

Signal 7: DAD1 G, Sig=265,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	8.242e-2	4.862e-2	-	-	-6.061

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000002.D
Sample Name: di H2O

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
0.511	-	77.43881	8.98325	0.88	0.1450	68	-	109.0
0.628	-	17.22824	6.29977	0.70	0.0453	1068	0.72	76.4
4.332	-	8.92115	2.17996	0.73	0.0547	34743	43.53	26.5

*** End of Report ***

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000003.D
Sample Name: 0.02ppm

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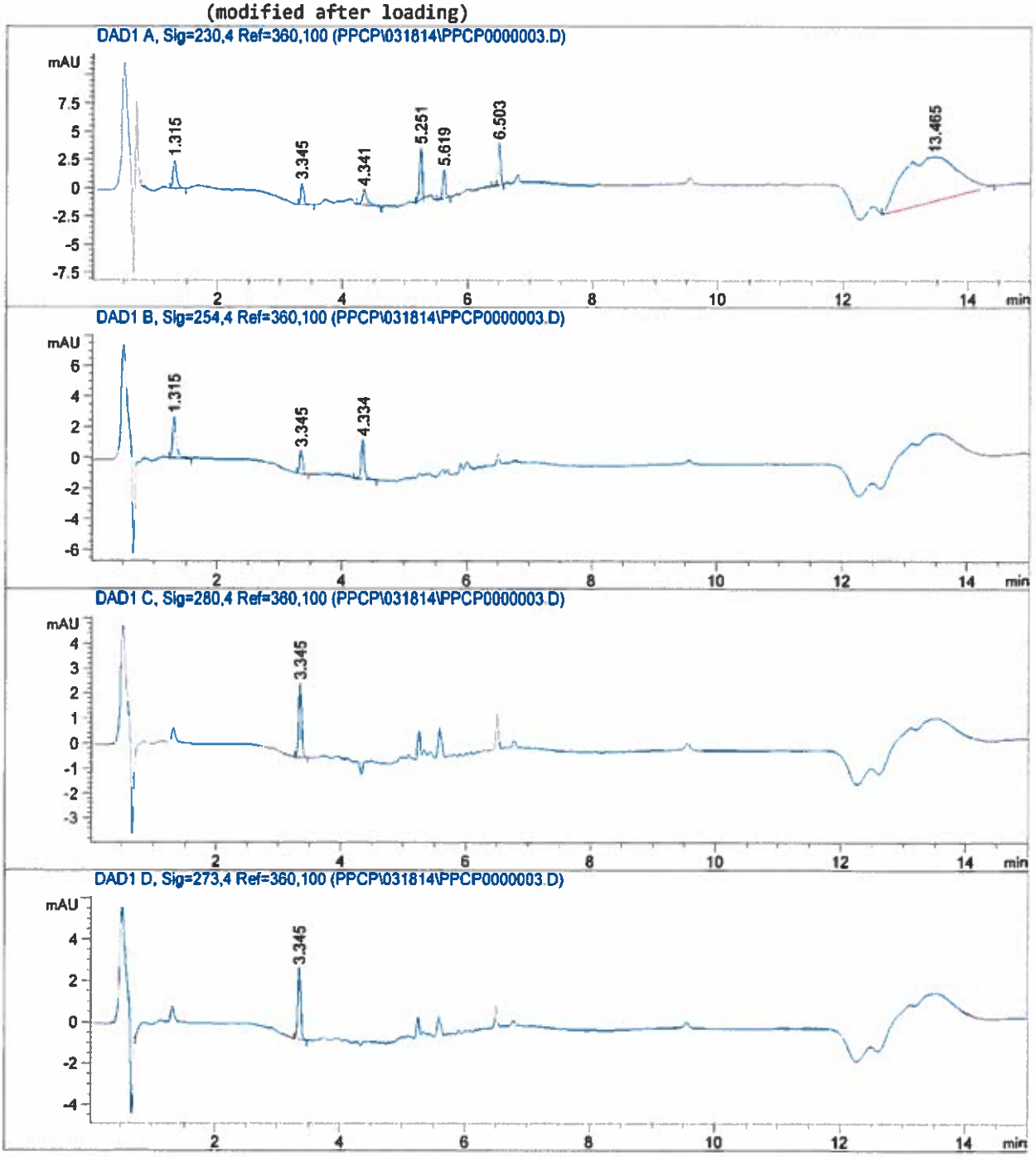
Acq. Operator : SYSTEM Seq. Line : 2
Acq. Instrument : HPLC Location : Vial 11
Injection Date : 3/18/2014 11:35:56 AM Inj : 1
Inj Volume : 95.000 µl
Acq. Method : C:\CHEM32\1\METHODS\KENT METHODS\031814VJR1.M
Last changed : 3/18/2014 10:38:14 AM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\KENT METHODS\DEFAULT 1.M
Last changed : 3/21/2014 12:19:35 PM by SYSTEM
(modified after loading)



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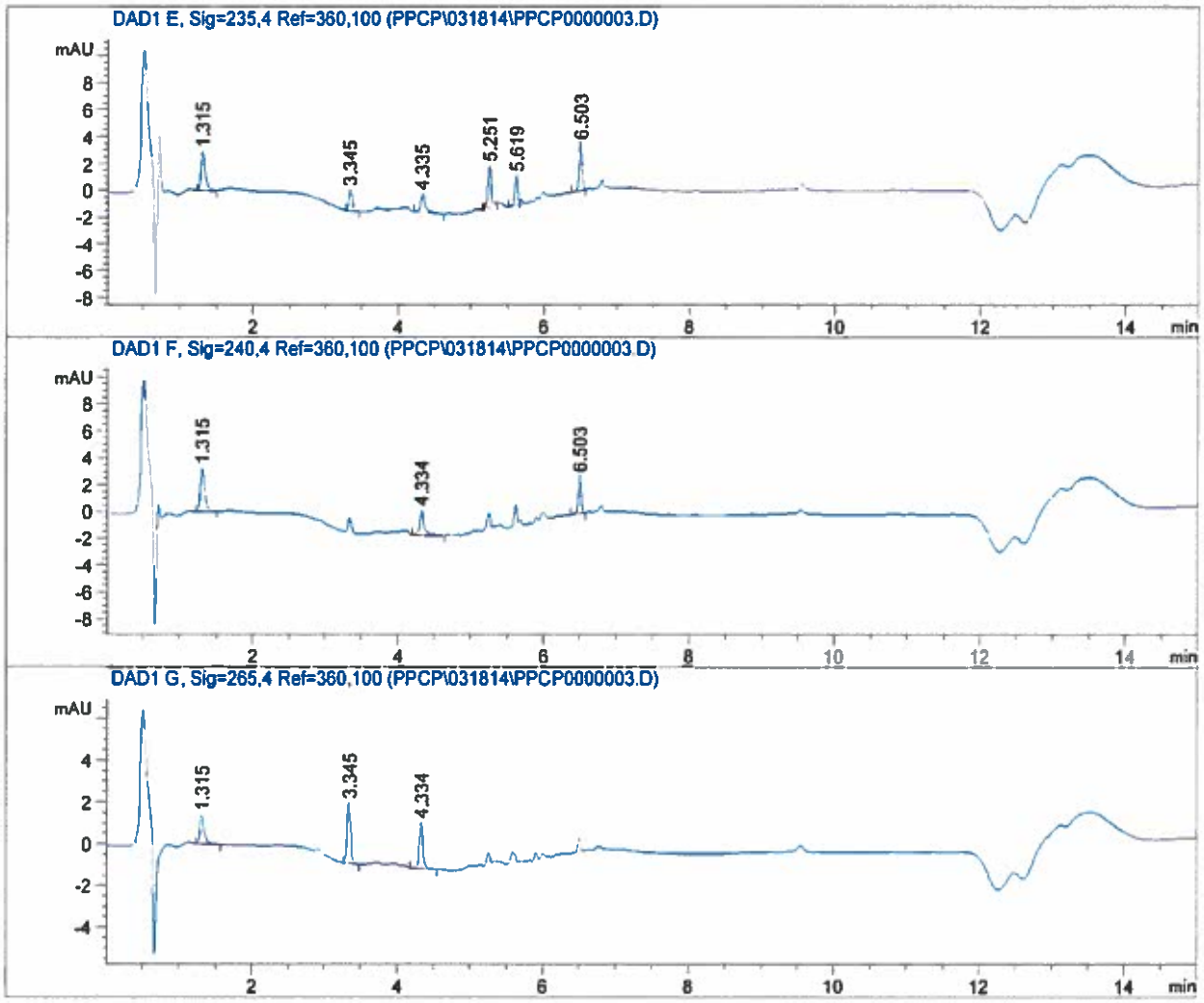
Sample Name: 0.02ppm



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Area Percent Report with Performance and Noise

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Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=230,4 Ref=360,100

Noise determination:

Time range from [min]	Time range to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.3075	0.1583	-	-	-25.744

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000003.D
Sample Name: 0.02ppm

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.315	-	9.90362	2.42566	0.71	0.0615	2546	-	7.9
3.345	-	6.30226	1.84905	0.86	0.0533	21792	20.77	6.0
4.341	-	7.52449	1.32584	0.60	0.0722	19990	9.32	4.3
5.251	-	12.93424	4.48884	1.21	0.0455	73952	9.08	14.6
5.619	-	7.67352	2.49653	0.94	0.0460	82644	4.73	8.1
6.503	-	10.38222	3.69480	1.04	0.0473	104633	11.13	12.0
13.465	-	244.40590	3.88284	1.44	1.1067	820	7.09	12.6

Signal 2: DAD1 B, Sig=254,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	7.813e-2	4.204e-2	-	-	-5.067

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.315	-	11.20472	2.66245	0.67	0.0626	2456	-	34.1
3.345	-	5.01099	1.49288	0.90	0.0533	21792	20.57	19.1
4.334	-	9.26208	2.55631	0.87	0.0524	37886	10.99	32.7

Signal 3: DAD1 C, Sig=280,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	2.424e-2	1.696e-2	-	-	-1.646

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
3.345	-	10.01453	2.94049	0.90	0.0540	21258	-	121.3

Signal 4: DAD1 D, Sig=273,4 Ref=360,100

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000003.D
Sample Name: 0.02ppm

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	2.811e-2	1.992e-2	-	-	-2.327

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
3.345	-	11.64112	3.42548	0.90	0.0540	21258	-	121.9

Signal 5: DAD1 E, Sig=235,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.2316	0.1191	-	-	-19.152

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.315	-	11.72981	2.85071	0.70	0.0622	2491	-	12.3
3.345	-	5.00011	1.50315	0.89	0.0533	21792	20.65	6.5
4.335	-	6.90365	1.38000	0.64	0.0622	26932	10.07	6.0
5.251	-	9.49426	3.08382	1.07	0.0467	70160	9.88	13.3
5.619	-	6.13390	2.14198	1.04	0.0460	82644	4.67	9.3
6.503	-	9.85126	3.47227	1.05	0.0461	110370	11.27	15.0

Signal 6: DAD1 F, Sig=240,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.1710	9.171e-2	-	-	-13.960

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.315	-	13.18321	3.19091	0.69	0.0624	2469	-	18.7
4.334	-	7.79953	1.78980	0.73	0.0567	32372	29.78	10.5
6.503	-	7.79730	2.72917	1.06	0.0460	110787	24.82	16.0

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000003.D
Sample Name: 0.02ppm

Signal 7: DAD1 G, Sig=265,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	4.712e-2	3.120e-2	-	-	-2.711

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.315	-	5.68924	1.35042	0.68	0.0629	2437	-	28.7
3.345	-	9.67503	2.85715	0.89	0.0540	21258	20.41	60.6
4.334	-	8.05747	2.18814	0.86	0.0533	36545	10.82	46.4

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*** End of Report ***

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000004.D
Sample Name: 0.05ppm

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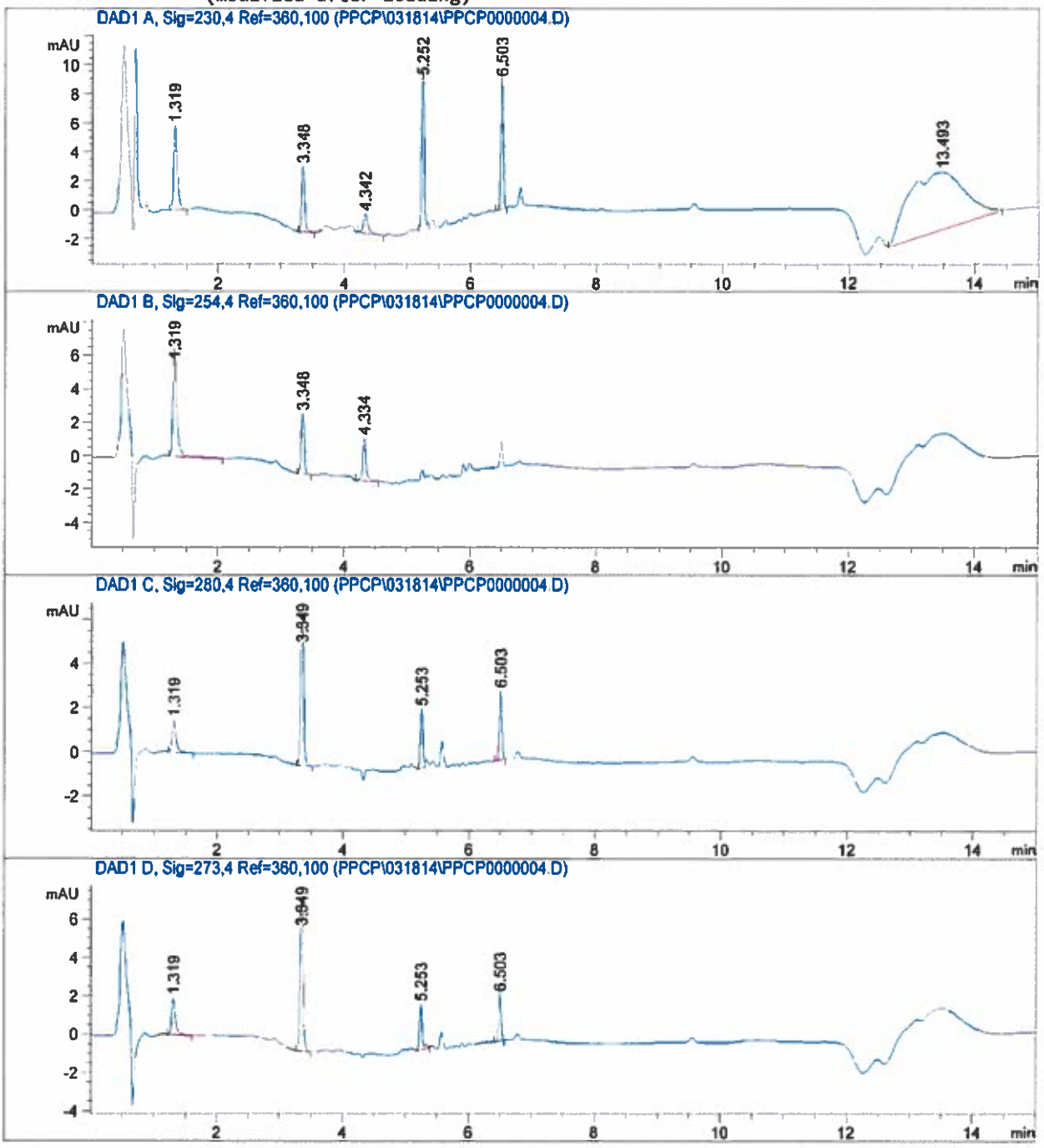
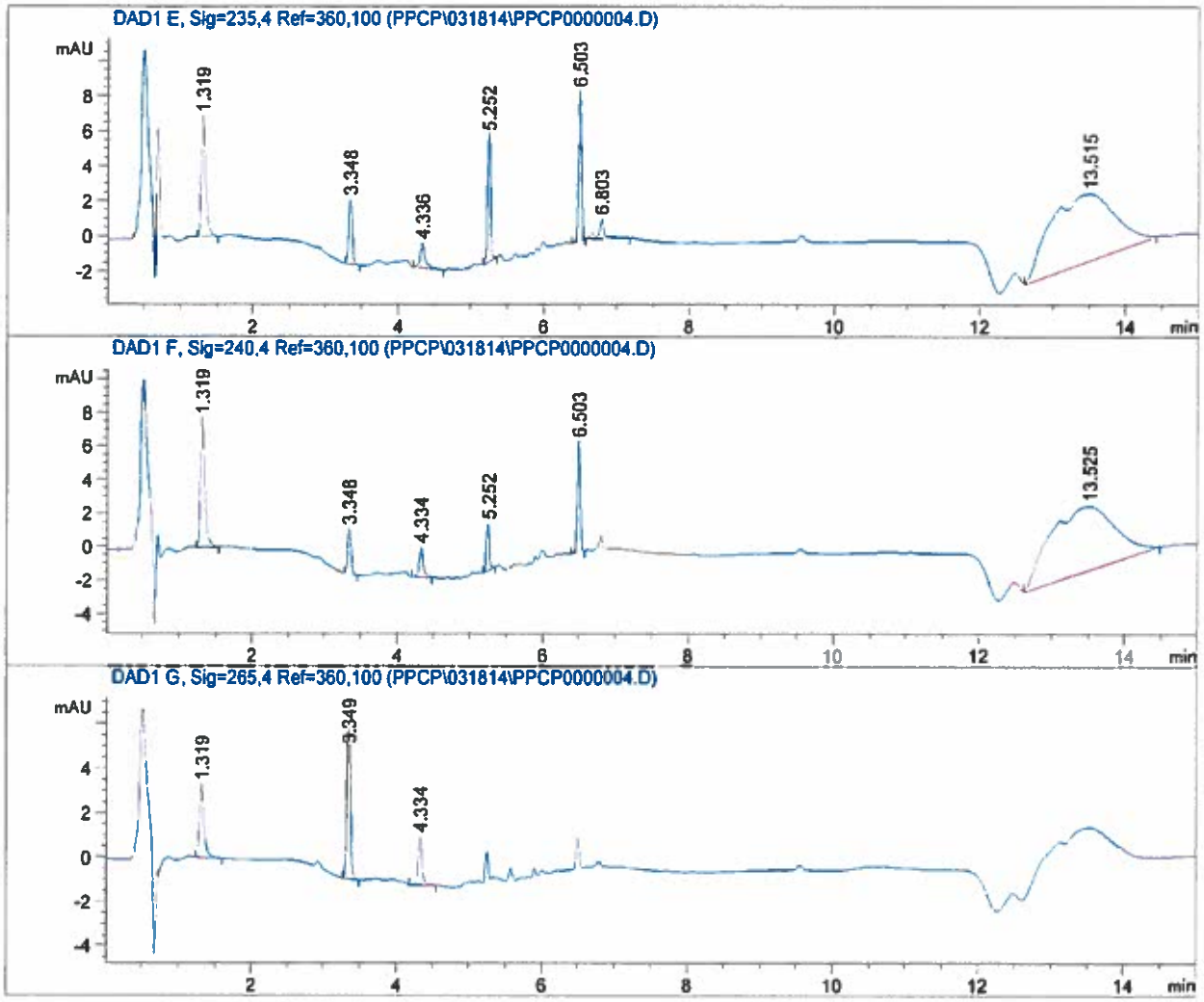
Acq. Operator : SYSTEM Seq. Line : 3
Acq. Instrument : HPLC Location : Vial 12
Injection Date : 3/18/2014 11:52:45 AM Inj : 1
Inj Volume : 95.000 µl

Acq. Method : C:\CHEM32\1\METHODS\KENT METHODS\031814VJR1.M
Last changed : 3/18/2014 10:38:14 AM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\KENT METHODS\DEFAULT 1.M
Last changed : 3/21/2014 12:19:35 PM by SYSTEM
(modified after loading)



Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000004.D
Sample Name: 0.05ppm



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Area Percent Report with Performance and Noise

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Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=230,4 Ref=360,100

Noise determination:

Time range from [min]	Time range to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.3065	0.1636	-	-	-25.819

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000004.D
Sample Name: 0.05ppm

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.319	-	23.98100	5.82530	0.71	0.0612	2573	-	19.0
3.348	-	15.34767	4.49236	0.88	0.0541	21284	20.69	14.7
4.342	-	7.31678	1.32340	0.62	0.0711	20683	9.33	4.3
5.252	-	29.34044	10.63982	0.96	0.0448	75964	9.22	34.7
6.503	-	25.18708	9.12559	0.99	0.0465	108381	16.09	29.8
13.493	-	247.37659	3.92147	1.62	1.1000	833	7.16	12.8

Signal 2: DAD1 B, Sig=254,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	8.428e-2	4.248e-2	-	-	-6.344

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.319	-	27.48108	6.38837	0.65	0.0617	2525	-	75.8
3.348	-	12.22992	3.60415	0.90	0.0547	20825	20.48	42.8
4.334	-	9.36222	2.55175	0.85	0.0533	36545	10.72	30.3

Signal 3: DAD1 C, Sig=280,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	2.997e-2	2.381e-2	-	-	-2.538

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.319	-	6.05812	1.42309	0.68	0.0623	2478	-	47.5
3.349	-	23.71864	6.95786	0.90	0.0540	21342	20.50	232.2
5.253	-	7.11489	2.59790	0.95	0.0455	73952	22.50	86.7
6.503	-	8.58098	3.07628	0.99	0.0461	110496	16.05	102.7

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000004.D
Sample Name: 0.05ppm

Signal 4: DAD1 D, Sig=273,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	4.370e-2	2.333e-2	-	-	-2.590

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.319	-	7.91302	1.86691	0.67	0.0623	2482	-	42.7
3.349	-	27.69327	8.13161	0.90	0.0540	21342	20.51	186.1
5.253	-	6.79975	2.30689	0.78	0.0448	75964	22.64	52.8
6.503	-	6.56261	2.36437	1.00	0.0455	113462	16.27	54.1

Signal 5: DAD1 E, Sig=235,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.2285	0.1261	-	-	-18.829

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.319	-	28.31383	6.84041	0.70	0.0615	2544	-	29.9
3.348	-	12.38327	3.66549	0.90	0.0547	20825	20.52	16.0
4.336	-	6.79741	1.37486	0.63	0.0622	26932	9.93	6.0
5.252	-	19.87757	7.17661	0.94	0.0448	75964	10.05	31.4
6.503	-	23.52238	8.50264	0.99	0.0453	114069	16.30	37.2
6.803	-	5.11093	1.09923	0.66	0.0533	90192	3.58	4.8
13.515	-	238.50937	3.79660	1.71	1.1000	836	6.84	16.6

Signal 6: DAD1 F, Sig=240,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.1709	9.620e-2	-	-	-13.708

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000004.D
Sample Name: 0.05ppm

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.319	-	31.81610	7.64768	0.69	0.0617	2527	-	44.7
3.348	-	8.95500	2.66696	0.90	0.0540	21342	20.60	15.6
4.334	-	7.12528	1.76279	0.82	0.0567	32372	10.47	10.3
5.252	-	7.76374	2.77047	0.93	0.0448	75964	10.63	16.2
6.503	-	18.28651	6.57711	0.99	0.0455	113462	16.27	38.5
13.525	-	240.62024	3.79089	1.66	1.1067	827	7.16	22.2

Signal 7: DAD1 G, Sig=265,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	5.228e-2	3.060e-2	-	-	-3.710

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.319	-	13.74378	3.24543	0.68	0.0619	2514	-	62.1
3.349	-	23.15292	6.80864	0.90	0.0540	21342	20.58	130.2
4.334	-	8.14991	2.18095	0.84	0.0543	35274	10.70	41.7

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*** End of Report ***

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000005.D
Sample Name: 0.1ppm

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Acq. Operator : SYSTEM Seq. Line : 4
Acq. Instrument : HPLC Location : Vial 13
Injection Date : 3/18/2014 12:09:36 PM Inj : 1
Inj Volume : 95.000 µl

Acq. Method : C:\CHEM32\1\METHODS\KENT METHODS\031814VJR1.M
Last changed : 3/18/2014 10:38:14 AM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\KENT METHODS\DEFAULT 1.M
Last changed : 3/21/2014 12:19:35 PM by SYSTEM
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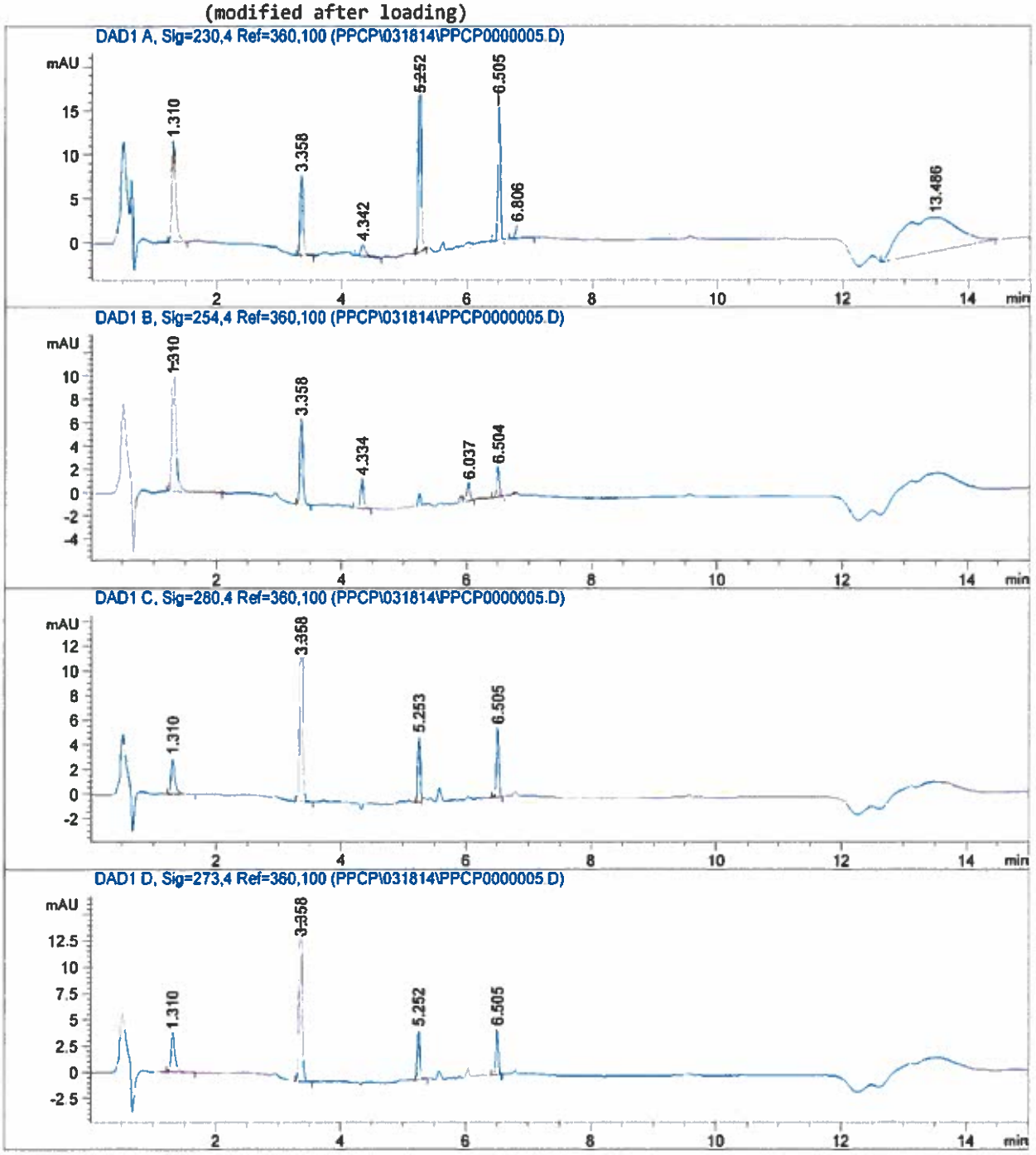
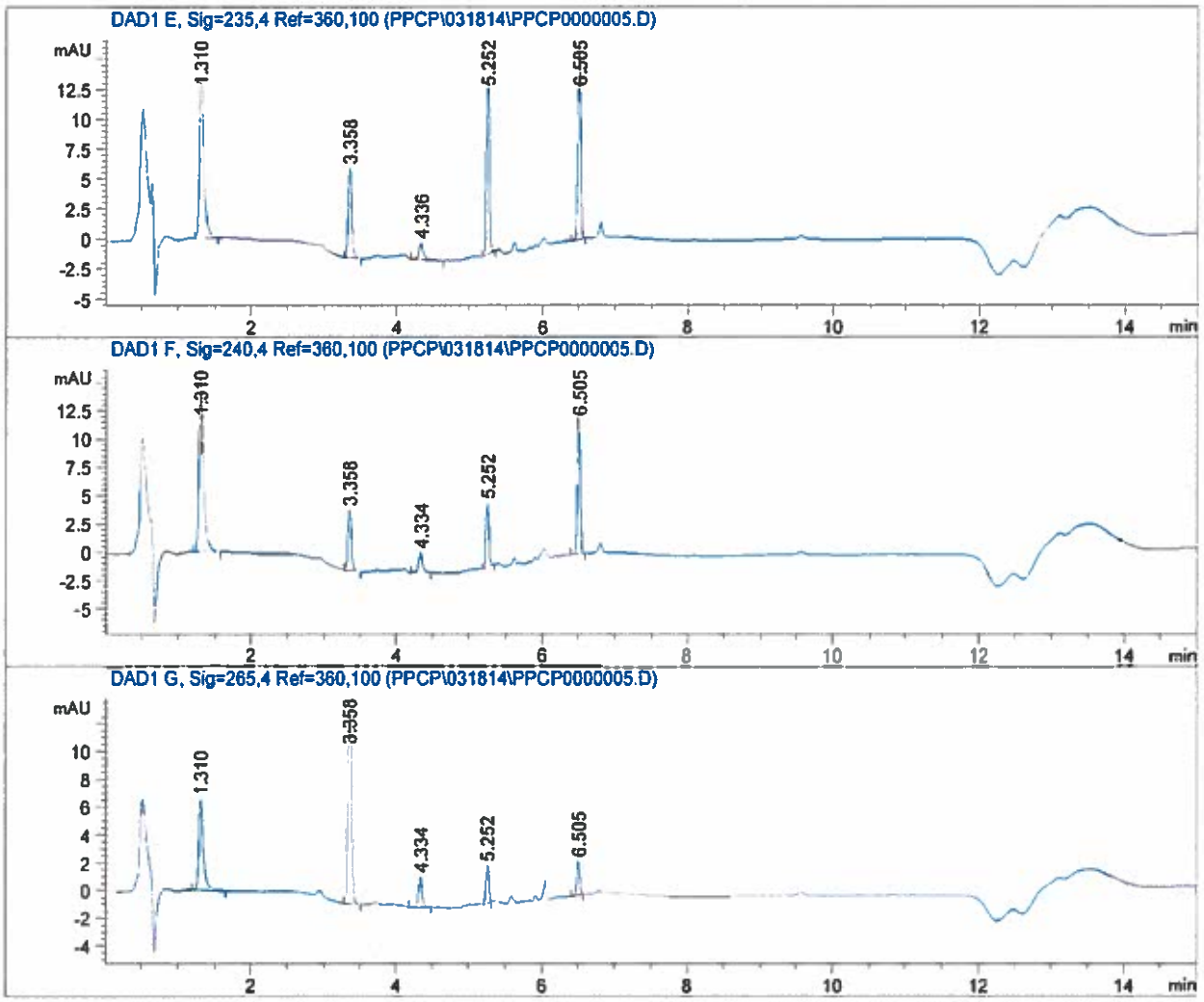


Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000005.D
Sample Name: 0.1ppm



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Area Percent Report with Performance and Noise

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Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=230,4 Ref=360,100

Noise determination:

Time range from [min]	Time range to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.2239	0.1278	-	-	-25.592

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000005.D
Sample Name: 0.1ppm

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.310	-	49.78600	11.48317	0.67	0.0642	2307	-	51.3
3.358	-	30.89094	9.13863	0.88	0.0533	21936	20.48	40.8
4.342	-	7.11842	1.30149	0.63	0.0711	20661	9.29	5.8
5.252	-	59.14860	21.58383	0.96	0.0455	73887	9.17	96.4
6.505	-	46.69160	16.93151	0.97	0.0467	107568	15.98	75.6
6.806	-	5.76496	1.50588	0.84	0.0543	86996	3.50	6.7
13.486	-	245.56769	3.84626	1.54	1.1133	813	6.72	17.2

Signal 2: DAD1 B, Sig=254,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.1007	5.404e-2	-	-	-6.960

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.310	-	56.14576	12.57671	0.64	0.0649	2258	-	125.0
3.358	-	24.62414	7.32316	0.89	0.0533	21936	20.36	72.8
4.334	-	9.00936	2.52969	0.90	0.0533	36618	10.75	25.1
6.037	-	6.34107	1.57238	1.50	0.0563	63687	18.25	15.6
6.504	-	7.32698	2.58154	0.95	0.0461	110417	5.37	25.6

Signal 3: DAD1 C, Sig=280,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	6.087e-2	3.562e-2	-	-	-2.928

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.310	-	12.24232	2.79411	0.66	0.0656	2210	-	45.9
3.358	-	48.15731	14.25834	0.89	0.0533	21936	20.24	234.3
5.253	-	14.37389	5.25714	0.95	0.0455	73887	22.54	86.4
6.505	-	15.53965	5.60186	0.97	0.0455	113382	16.18	92.0

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000005.D
Sample Name: 0.1ppm

Signal 4: DAD1 D, Sig=273,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	7.055e-2	3.848e-2	-	-	-3.952

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.310	-	16.11004	3.67931	0.66	0.0653	2227	-	52.2
3.358	-	56.16016	16.64892	0.90	0.0533	21936	20.28	236.0
5.252	-	13.40519	4.69278	0.85	0.0455	73887	22.54	66.5
6.505	-	11.88431	4.29068	0.98	0.0455	113382	16.19	60.8

Signal 5: DAD1 E, Sig=235,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.1829	0.1025	-	-	-19.807

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.310	-	58.71830	13.47968	0.67	0.0645	2281	-	73.7
3.358	-	24.95070	7.43869	0.89	0.0533	21936	20.42	40.7
4.336	-	6.70328	1.36514	0.63	0.0622	26903	9.95	7.5
5.252	-	40.05878	14.57882	0.95	0.0455	73887	10.00	79.7
6.505	-	43.48811	15.74274	0.97	0.0461	110129	16.07	86.1

Signal 6: DAD1 F, Sig=240,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.1597	9.055e-2	-	-	-15.012

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000005.D
Sample Name: 0.1ppm

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.310	-	65.98091	15.07812	0.66	0.0645	2286	-	94.4
3.358	-	17.99526	5.38942	0.90	0.0533	21936	20.43	33.7
4.334	-	6.85825	1.74949	0.86	0.0558	33412	10.51	11.0
5.252	-	15.57514	5.64073	0.94	0.0448	75898	10.71	35.3
6.505	-	33.59103	12.11697	0.97	0.0456	112792	16.27	75.9

Signal 7: DAD1 G, Sig=265,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	8.924e-2	4.963e-2	-	-	-4.972

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.310	-	28.16353	6.39711	0.66	0.0651	2244	-	71.7
3.358	-	46.89035	13.92654	0.90	0.0540	21398	20.21	156.1
4.334	-	7.63753	2.15070	0.90	0.0542	35500	10.61	24.1
5.252	-	7.18301	2.70037	1.02	0.0450	75387	10.88	30.3
6.505	-	6.73830	2.43624	0.98	0.0455	113382	16.27	27.3

*** End of Report ***

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000006.D
Sample Name: 0.5ppm

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Acq. Instrument : HPLC Location : Vial 14
Injection Date : 3/18/2014 12:26:25 PM Inj : 1
Inj Volume : 95.000 µl

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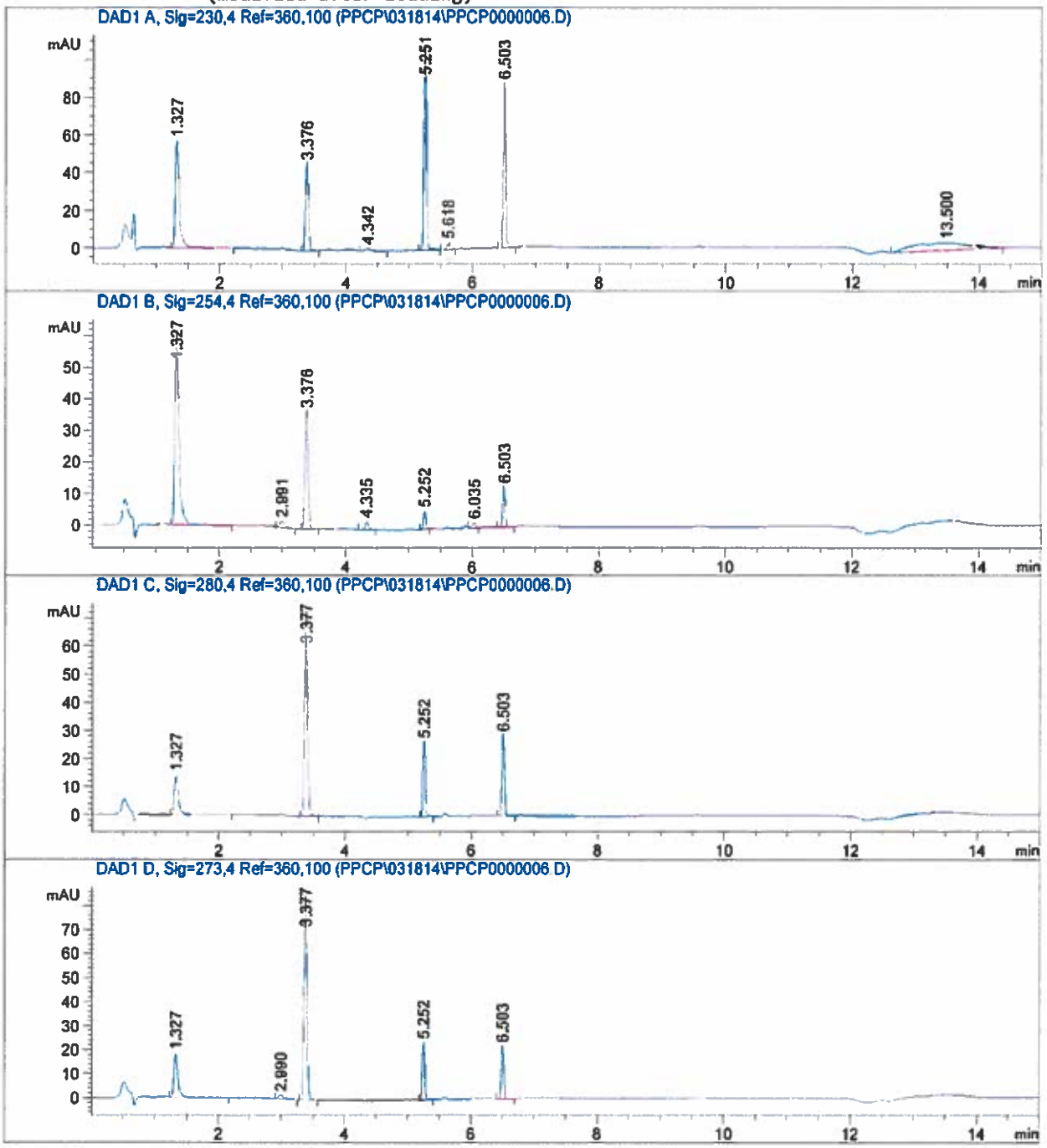
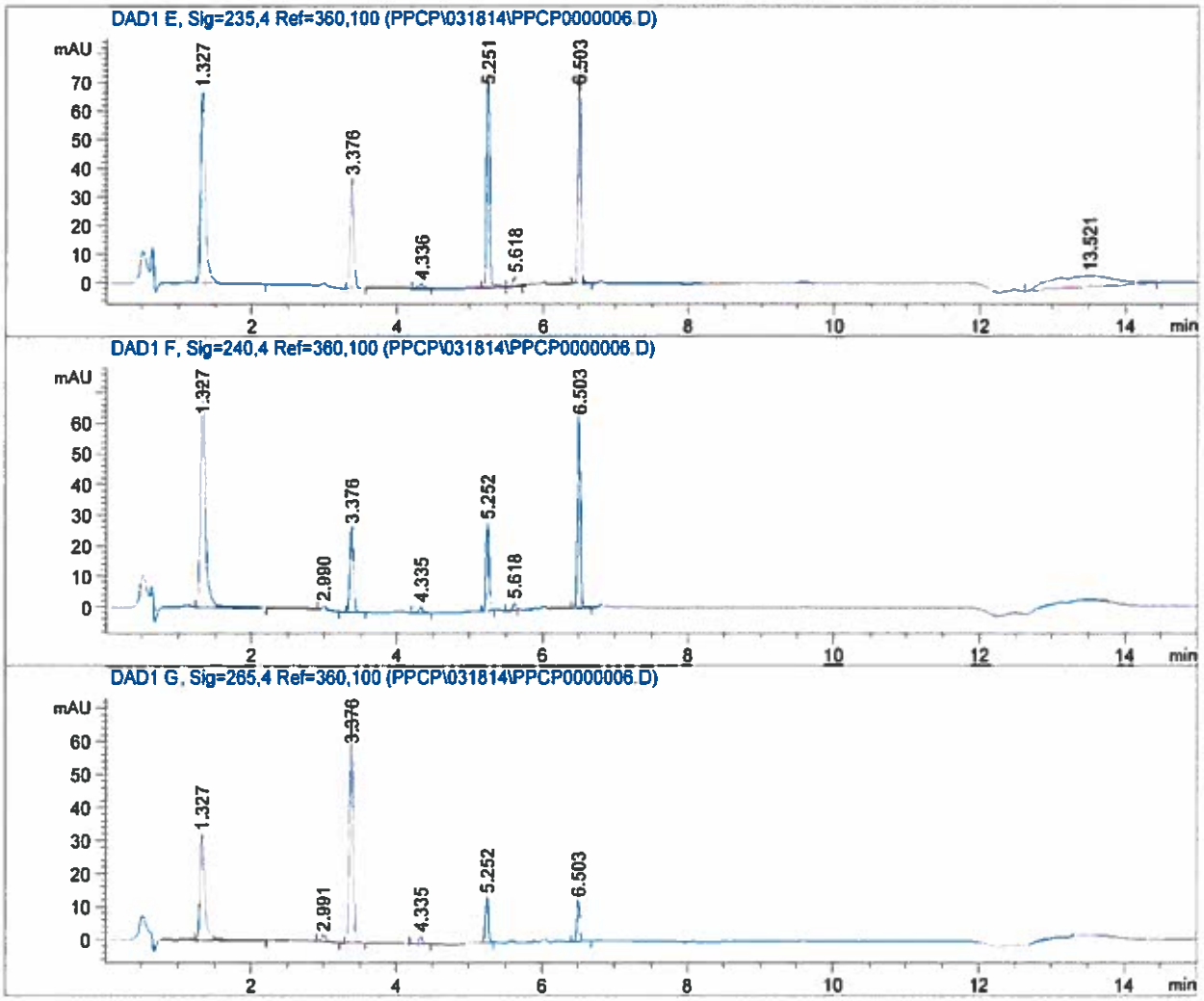


Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000006.D
Sample Name: 0.5ppm



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Area Percent Report with Performance and Noise

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Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=230,4 Ref=360,100

Noise determination:

Time range from [min]	Time range to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.2348	0.1397	-	-	-31.620

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000006.D
Sample Name: 0.5ppm

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.327	-	262.37396	56.81698	0.62	0.0655	2283	-	242.0
3.376	-	153.07930	46.39816	0.89	0.0526	22834	20.39	197.6
4.342	-	7.04185	1.33199	0.62	0.0667	23512	9.51	5.7
5.251	-	306.16525	109.42345	0.91	0.0450	75399	9.57	466.1
5.618	-	10.81573	3.55605	1.00	0.0460	82588	4.73	15.1
6.503	-	242.49152	87.52341	0.96	0.0461	110059	11.29	372.8
13.500	-	240.08614	3.77497	1.71	1.1000	835	7.17	16.1

Signal 2: DAD1 B, Sig=254,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.1156	7.327e-2	-	-	-13.019

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.327	-	282.64429	62.13663	0.64	0.0655	2281	-	537.4
2.991	-	9.56621	1.80112	0.74	0.0771	8321	13.70	15.6
3.376	-	122.61031	37.20233	0.89	0.0526	22834	3.49	321.8
4.335	-	8.80537	2.51893	0.91	0.0533	36625	10.63	21.8
5.252	-	15.07215	5.51279	0.97	0.0448	75910	10.98	47.7
6.035	-	5.90615	1.54326	1.59	0.0548	67186	9.24	13.3
6.503	-	35.15892	12.59488	0.96	0.0453	114003	5.49	108.9

Signal 3: DAD1 C, Sig=280,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	5.876e-2	4.014e-2	-	-	-5.356

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.327	-	63.06200	13.84173	0.64	0.0658	2265	-	235.6
3.377	-	238.62019	72.28141	0.89	0.0524	22991	20.37	1230.2
5.252	-	73.06479	26.46902	0.92	0.0448	75910	22.65	450.5
6.503	-	79.07362	28.44538	0.96	0.0459	111080	16.20	484.1

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000006.D
Sample Name: 0.5ppm

Signal 4: DAD1 D, Sig=273,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	7.369e-2	4.820e-2	-	-	-6.489

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.327	-	82.68471	18.18237	0.64	0.0657	2269	-	246.7
2.990	-	7.25899	1.38437	0.72	0.0767	8425	13.72	18.8
3.377	-	278.77026	84.46230	0.89	0.0523	23128	3.52	1146.2
5.252	-	65.28805	23.61311	0.91	0.0448	75910	22.69	320.4
6.503	-	60.67538	21.76761	0.96	0.0459	111080	16.20	295.4

Signal 5: DAD1 E, Sig=235,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.2062	0.1284	-	-	-26.870

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.327	-	306.17615	66.67679	0.63	0.0655	2284	-	323.3
3.376	-	124.47825	37.78742	0.89	0.0526	22834	20.39	183.2
4.336	-	5.63297	1.33820	0.81	0.0592	29759	10.09	6.5
5.251	-	206.54030	73.63879	0.90	0.0450	75399	10.32	357.1
5.618	-	9.42642	3.04833	0.89	0.0460	82588	4.73	14.8
6.503	-	225.05847	81.25304	0.96	0.0459	111080	11.31	394.0
13.521	-	237.38737	3.71144	1.72	1.1200	807	7.07	18.0

Signal 6: DAD1 F, Sig=240,4 Ref=360,100

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000006.D
Sample Name: 0.5ppm

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.1813	0.1142	-	-	-21.791

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.327	-	341.60889	74.56686	0.63	0.0655	2285	-	411.3
2.990	-	6.53744	1.20187	0.68	0.0789	7957	13.53	6.6
3.376	-	90.15903	27.40529	0.89	0.0526	22834	3.45	151.2
4.335	-	6.68058	1.73611	0.88	0.0558	33419	10.38	9.6
5.252	-	77.44521	28.24478	0.96	0.0448	75910	10.70	155.8
5.618	-	6.46439	2.22644	1.06	0.0460	82588	4.74	12.3
6.503	-	172.46841	62.23869	0.97	0.0459	111080	11.31	343.3

Signal 7: DAD1 G, Sig=265,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	8.797e-2	5.226e-2	-	-	-8.755

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.327	-	143.83182	31.61470	0.64	0.0656	2274	-	359.4
2.991	-	9.69677	1.84030	0.73	0.0762	8531	13.78	20.9
3.376	-	233.20676	70.68849	0.89	0.0526	22834	3.52	803.5
4.335	-	7.39613	2.13446	0.91	0.0525	37797	10.71	24.3
5.252	-	37.15378	13.71278	0.96	0.0448	75910	11.06	155.9
6.503	-	33.78671	12.09790	0.96	0.0453	114003	16.31	137.5

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*** End of Report ***

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000007.D
Sample Name: 1.0ppm

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Acq. Operator : SYSTEM Seq. Line : 6
Acq. Instrument : HPLC Location : Vial 15
Injection Date : 3/18/2014 12:43:16 PM Inj : 1
Inj Volume : 95.000 µl

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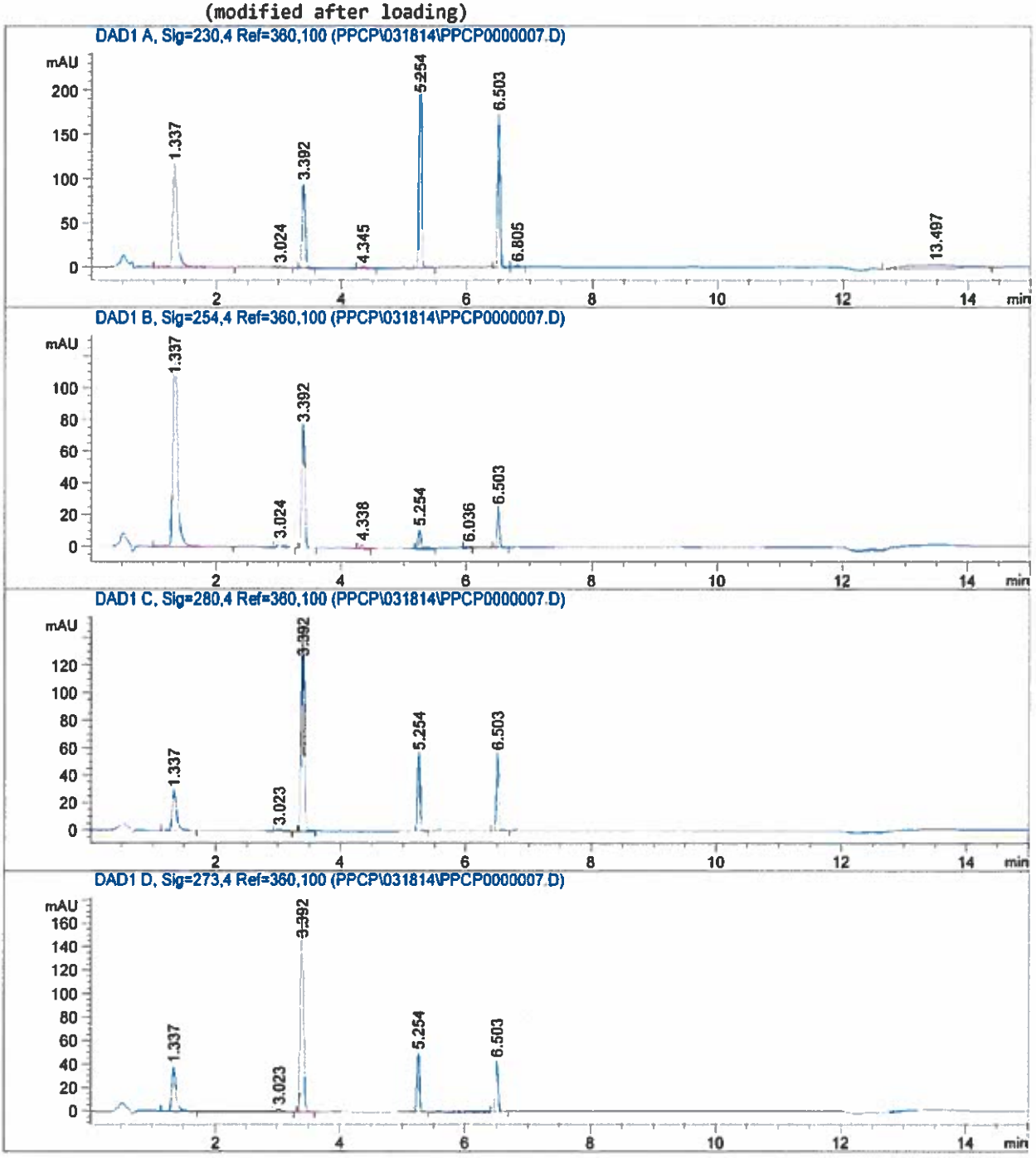
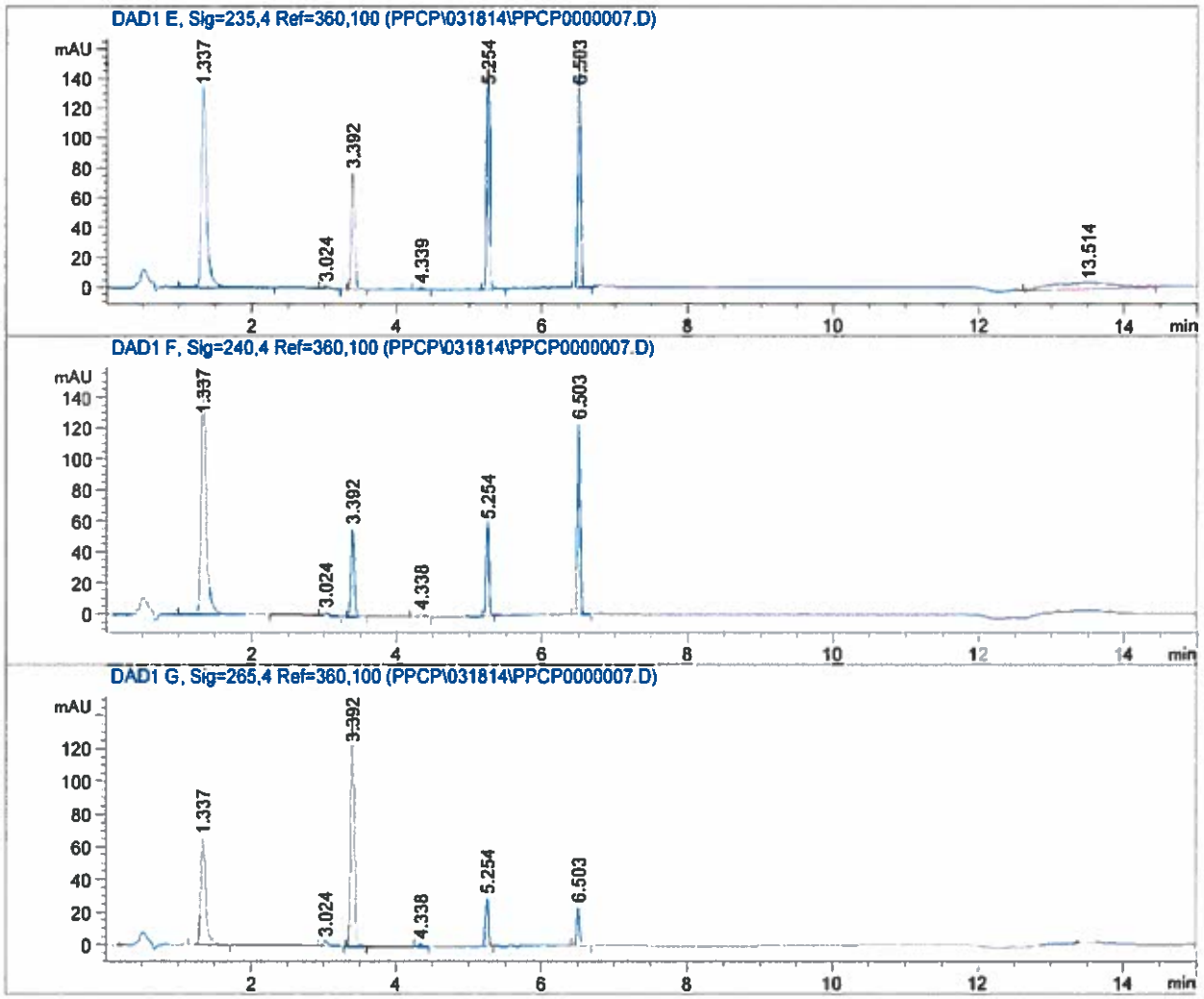


Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000007.D
Sample Name: 1.0ppm



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Area Percent Report with Performance and Noise

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Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=230,4 Ref=360,100

Noise determination:

Time range from [min]	Time range to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.2585	0.1658	-	-	-41.917

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000007.D
Sample Name: 1.0ppm

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.337	-	570.08612	116.44236	0.66	0.0688	2104	-	450.5
3.024	-	7.02085	1.24683	0.62	0.0789	8155	13.43	4.8
3.392	-	310.35165	95.62389	0.90	0.0519	23727	3.31	370.0
4.345	-	6.63910	1.34817	0.63	0.0657	24238	9.53	5.2
5.254	-	640.52722	231.90337	0.93	0.0453	74629	9.63	897.2
6.503	-	479.17413	173.04091	0.95	0.0465	108121	15.99	669.5
6.805	-	5.04716	1.48232	1.05	0.0526	92796	3.58	5.7
13.497	-	238.88370	3.74979	1.66	1.1133	814	6.74	14.5

Signal 2: DAD1 B, Sig=254,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.1354	8.732e-2	-	-	-19.714

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.337	-	615.55884	127.35594	0.67	0.0687	2107	-	940.7
3.024	-	15.61260	3.01923	0.75	0.0762	8743	13.68	22.3
3.392	-	249.18155	76.77806	0.89	0.0517	23881	3.38	567.1
4.338	-	8.51793	2.49845	0.88	0.0533	36685	10.58	18.5
5.254	-	34.89048	11.69464	0.78	0.0450	75501	10.95	86.4
6.036	-	5.07161	1.31954	1.64	0.0563	63630	9.07	9.7
6.503	-	68.35838	24.60064	0.95	0.0454	113436	5.40	181.7

Signal 3: DAD1 C, Sig=280,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	5.516e-2	3.575e-2	-	-	-6.956

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.337	-	134.16806	28.32795	0.67	0.0690	2092	-	513.6
3.023	-	6.01921	1.18426	0.75	0.0752	8965	13.74	21.5
3.392	-	484.54617	149.07843	0.89	0.0522	23442	3.40	2702.8
5.254	-	154.34186	56.18795	0.93	0.0451	75150	22.50	1018.7
6.503	-	155.85397	56.17217	0.95	0.0462	109745	16.08	1018.4

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000007.D
Sample Name: 1.0ppm

Signal 4: DAD1 D, Sig=273,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	6.169e-2	4.290e-2	-	-	-8.919

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.337	-	176.25923	37.19585	0.67	0.0689	2095	-	602.9
3.023	-	11.86371	2.32077	0.74	0.0752	8965	13.75	37.6
3.392	-	566.07849	174.18982	0.89	0.0521	23485	3.40	2823.5
5.254	-	137.91252	50.11706	0.93	0.0447	76451	22.60	812.4
6.503	-	119.21842	42.93567	0.95	0.0461	110257	16.16	696.0

Signal 5: DAD1 E, Sig=235,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.2337	0.1518	-	-	-36.861

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.337	-	666.90076	136.65767	0.66	0.0687	2108	-	584.6
3.024	-	8.67214	1.58497	0.68	0.0789	8155	13.43	6.8
3.392	-	252.63081	77.89111	0.90	0.0519	23727	3.31	333.2
4.339	-	5.61867	1.34812	0.79	0.0592	29808	10.03	5.8
5.254	-	430.05499	155.48969	0.92	0.0451	75293	10.31	665.2
6.503	-	444.81393	160.67426	0.95	0.0464	108727	16.05	687.4
13.514	-	237.24411	3.69998	1.62	1.1267	798	7.02	15.8

Signal 6: DAD1 F, Sig=240,4 Ref=360,100

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000007.D
Sample Name: 1.0ppm

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.2216	0.1415	-	-	-32.166

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.337	-	743.56689	152.80566	0.67	0.0687	2110	-	689.5
3.024	-	10.60495	2.00536	0.72	0.0771	8528	13.60	9.0
3.392	-	183.19695	56.51350	0.89	0.0519	23727	3.35	255.0
4.338	-	6.60057	1.73336	0.85	0.0550	34496	10.40	7.8
5.254	-	162.10040	59.43189	0.96	0.0455	73999	10.72	268.2
6.503	-	340.43262	122.93217	0.95	0.0463	109038	15.99	554.7

Signal 7: DAD1 G, Sig=265,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	8.682e-2	5.880e-2	-	-	-12.395

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.337	-	306.03943	64.62071	0.67	0.0689	2097	-	744.3
3.024	-	15.86647	3.07526	0.74	0.0744	9157	13.83	35.4
3.392	-	473.59576	145.75946	0.89	0.0521	23513	3.42	1678.8
4.338	-	7.18727	2.12894	0.89	0.0527	37620	10.61	24.5
5.254	-	79.12930	29.12020	0.96	0.0448	76012	11.04	335.4
6.503	-	66.00342	23.72550	0.95	0.0455	113078	16.24	273.3

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*** End of Report ***

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000008.D
Sample Name: 5.0ppm

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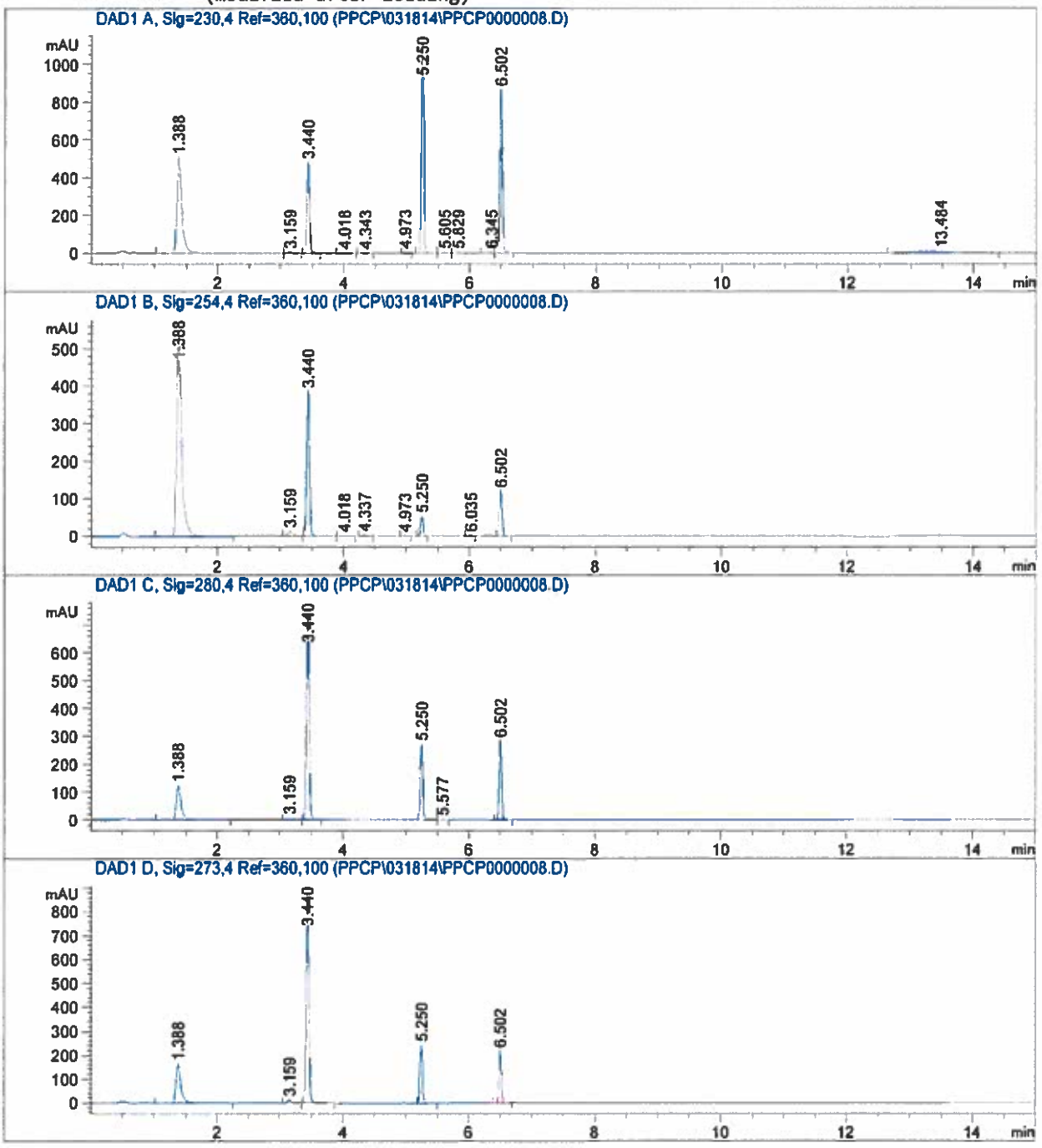
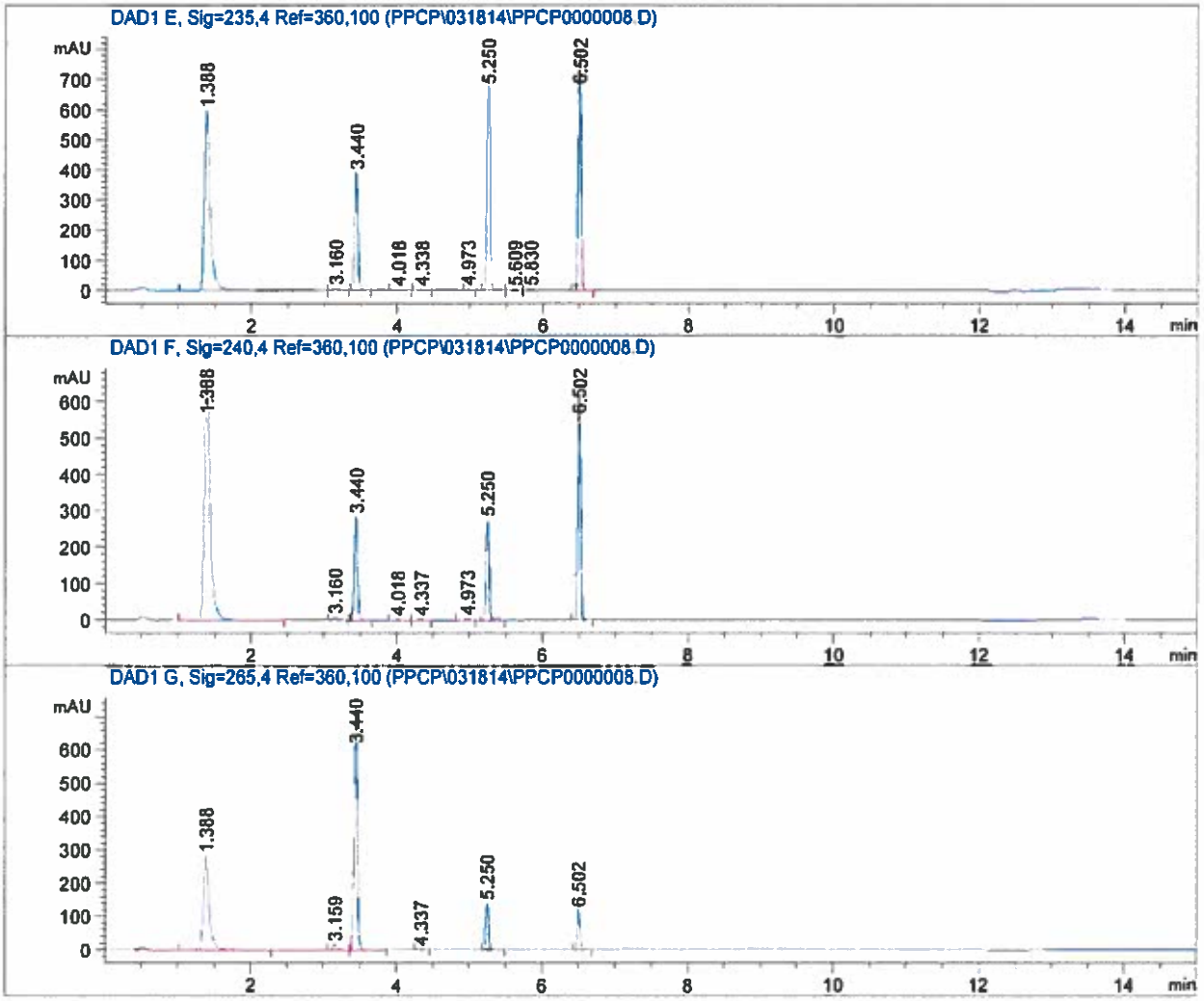
Acq. Operator	: SYSTEM	Seq. Line	: 7
Acq. Instrument	: HPLC	Location	: Vial 16
Injection Date	: 3/18/2014 1:00:05 PM	Inj	: 1
		Inj Volume	: 95.000 µl
Acq. Method	: C:\CHEM32\1\METHODS\KENT METHODS\031814VJR1.M		
Last changed	: 3/18/2014 10:38:14 AM by SYSTEM		
Analysis Method	: C:\CHEM32\1\METHODS\KENT METHODS\DEFAULT 1.M		
Last changed	: 3/21/2014 12:19:35 PM by SYSTEM		
	(modified after loading)		



Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000008.D
Sample Name: 5.0ppm



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Area Percent Report with Performance and Noise

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Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=230,4 Ref=360,100

Noise determination:

Time range from [min]	Time range to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.7232	0.7439	-	-	-52.088

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000008.D
Sample Name: 5.0ppm

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.388	-	2761.68701	506.03986	0.62	0.0763	1840	-	699.7
3.159	-	23.64015	4.27029	0.91	0.0807	8488	13.26	5.9
3.440	-	1507.79651	480.09592	0.89	0.0509	25302	2.50	663.8
4.018	-	5.58844	1.06775	0.70	0.0550	29559	6.42	1.5
4.343	-	5.88989	1.35204	0.79	0.0625	26765	3.25	1.9
4.973	-	11.26147	3.86656	0.83	0.0461	64522	6.82	5.3
5.250	-	3019.40991	1100.38562	0.95	0.0456	73414	3.55	1521.4
5.605	-	9.09633	2.24087	1.27	0.0588	50345	3.99	3.1
5.829	-	8.86125	2.49475	0.85	0.0526	68096	2.37	3.4
6.345	-	5.05839	1.24856	1.69	0.0506	87241	5.88	1.7
6.502	-	2397.21240	865.74188	0.96	0.0463	109470	1.90	1197.0
13.484	-	238.98804	3.75799	1.57	1.1200	803	7.03	5.2

Signal 2: DAD1 B, Sig=254,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.7508	0.7522	-	-	-44.083

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.388	-	2937.92188	553.14539	0.64	0.0763	1842	-	736.8
3.159	-	65.17467	12.97969	0.78	0.0750	9819	13.76	17.3
3.440	-	1215.95874	386.48831	0.89	0.0509	25232	2.61	514.8
4.018	-	5.69515	1.36342	0.71	0.0508	34604	6.67	1.8
4.337	-	8.50769	2.52784	0.86	0.0520	38546	3.64	3.4
4.973	-	5.21796	1.78280	0.85	0.0461	64522	7.63	2.4
5.250	-	148.11636	53.62492	0.95	0.0448	75940	3.58	71.4
6.035	-	7.21398	2.13170	1.46	0.0500	80776	9.72	2.8
6.502	-	332.77356	120.00877	0.96	0.0462	109801	5.71	159.8

Signal 3: DAD1 C, Sig=280,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.2558	0.1809	-	-	-15.281

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000008.D
Sample Name: 5.0ppm

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.388	-	655.15649	123.05248	0.64	0.0764	1837	-	481.1
3.159	-	27.53277	5.52560	0.78	0.0742	10041	13.82	21.6
3.440	-	2350.83667	747.67261	0.89	0.0511	25064	2.63	2923.0
5.250	-	744.73792	270.79382	0.95	0.0455	73689	22.01	1058.7
5.577	-	5.36594	1.42743	0.78	0.0593	48954	3.66	5.6
6.502	-	781.74878	282.39072	0.96	0.0462	109805	10.30	1104.0

Signal 4: DAD1 D, Sig=273,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.3423	0.2399	-	-	-20.336

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.388	-	860.52954	161.09496	0.64	0.0764	1834	-	470.6
3.159	-	55.77068	11.16739	0.77	0.0742	10041	13.82	32.6
3.440	-	2746.44238	871.26202	0.89	0.0511	25059	2.63	2545.1
5.250	-	662.95093	241.01848	0.94	0.0455	73812	22.02	704.1
6.502	-	595.95734	215.18600	0.96	0.0462	109817	16.05	628.6

Signal 5: DAD1 E, Sig=235,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.8101	0.8455	-	-	-53.809

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.388	-	3232.89404	593.81079	0.62	0.0763	1841	-	733.0
3.160	-	30.88446	5.63212	0.89	0.0800	8630	13.32	7.0
3.440	-	1226.31348	390.70010	0.89	0.0509	25222	2.51	482.3
4.018	-	5.42593	1.16492	0.67	0.0525	32442	6.57	1.4
4.338	-	5.84468	1.38998	0.76	0.0583	30631	3.40	1.7
4.973	-	9.89522	3.40533	0.83	0.0461	64522	7.14	4.2
5.250	-	1992.91187	724.52429	0.95	0.0456	73318	3.55	894.4
5.609	-	6.51753	1.56651	1.35	0.0570	53737	4.11	1.9
5.830	-	6.69780	1.83724	0.79	0.0526	68096	2.37	2.3

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000008.D
Sample Name: 5.0ppm

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
6.502	-	2226.08447	804.07104	0.96	0.0462	109578	7.99	992.6

Signal 6: DAD1 F, Sig=240,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.8736	0.9186	-	-	-54.680

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.388	-	3533.31616	663.91522	0.64	0.0763	1841	-	760.0
3.160	-	35.80189	7.14599	0.80	0.0758	9605	13.68	8.2
3.440	-	890.62225	283.80249	0.89	0.0507	25462	2.60	324.9
4.018	-	5.69782	1.32216	0.69	0.0511	34229	6.67	1.5
4.337	-	6.73951	1.76867	0.82	0.0541	35646	3.56	2.0
4.973	-	8.55665	2.88220	0.87	0.0459	64901	7.48	3.3
5.250	-	756.94861	273.79446	0.94	0.0455	73698	3.56	313.4
6.502	-	1694.16809	612.15881	0.96	0.0463	109510	16.03	700.7

Signal 7: DAD1 G, Sig=265,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.4749	0.4049	-	-	-28.710

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.388	-	1492.94495	279.93094	0.64	0.0764	1834	-	589.5
3.159	-	72.58770	14.51527	0.77	0.0742	10041	13.82	30.6
3.440	-	2294.94116	727.91168	0.89	0.0511	25068	2.63	1532.8
4.337	-	7.06062	2.13037	0.88	0.0520	38546	10.23	4.5
5.250	-	386.15503	139.96863	0.94	0.0453	74531	11.03	294.7
6.502	-	325.63968	117.49587	0.96	0.0461	110176	16.10	247.4

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*** End of Report ***

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000009.D
Sample Name: di H2O

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Injection Date  : 3/18/2014 1:16:54 PM                  Inj :   1
                                                  Inj Volume : 95.000 µl
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Last changed     : 3/18/2014 10:38:14 AM by SYSTEM
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Last changed     : 3/21/2014 12:19:35 PM by SYSTEM
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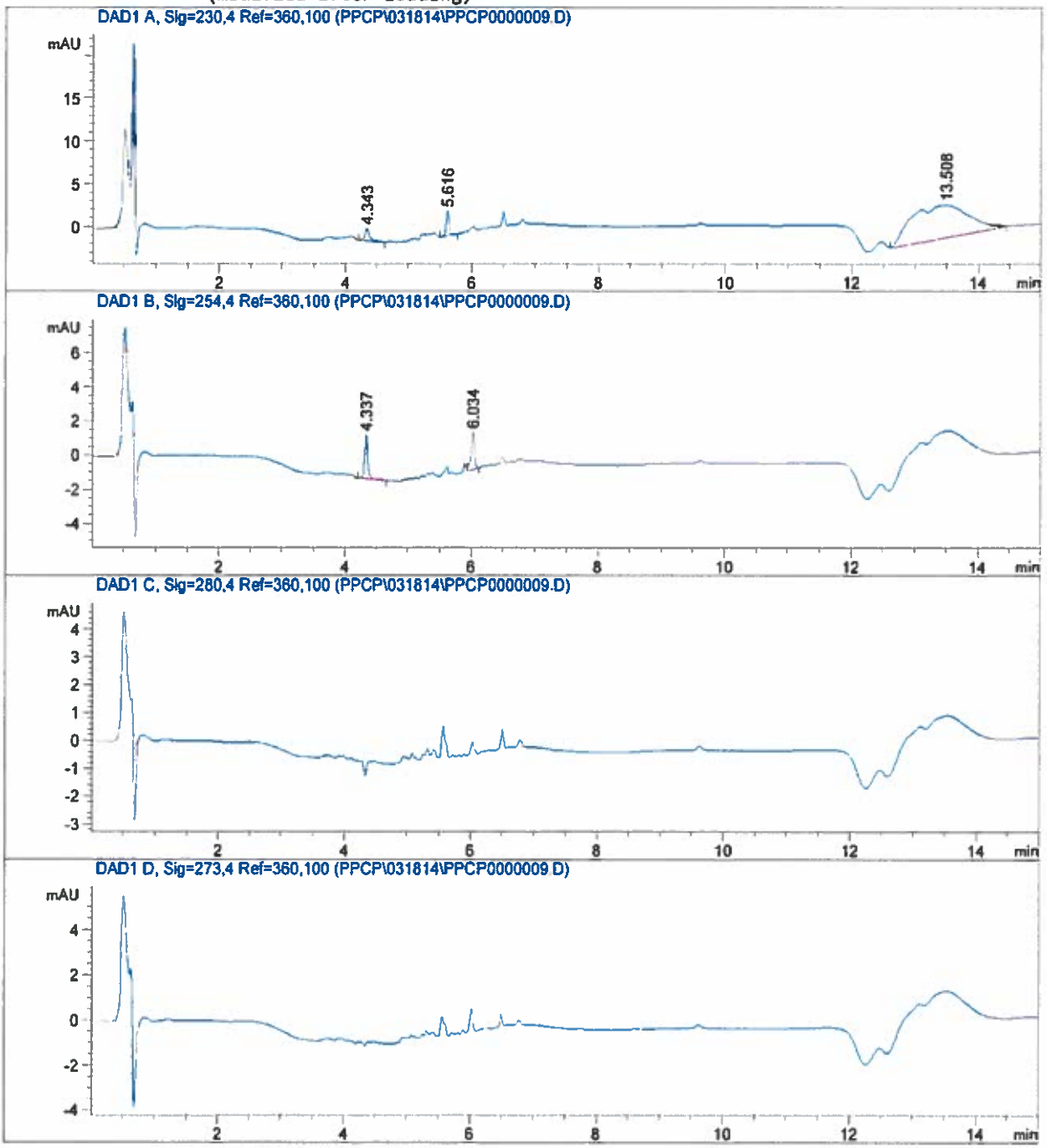

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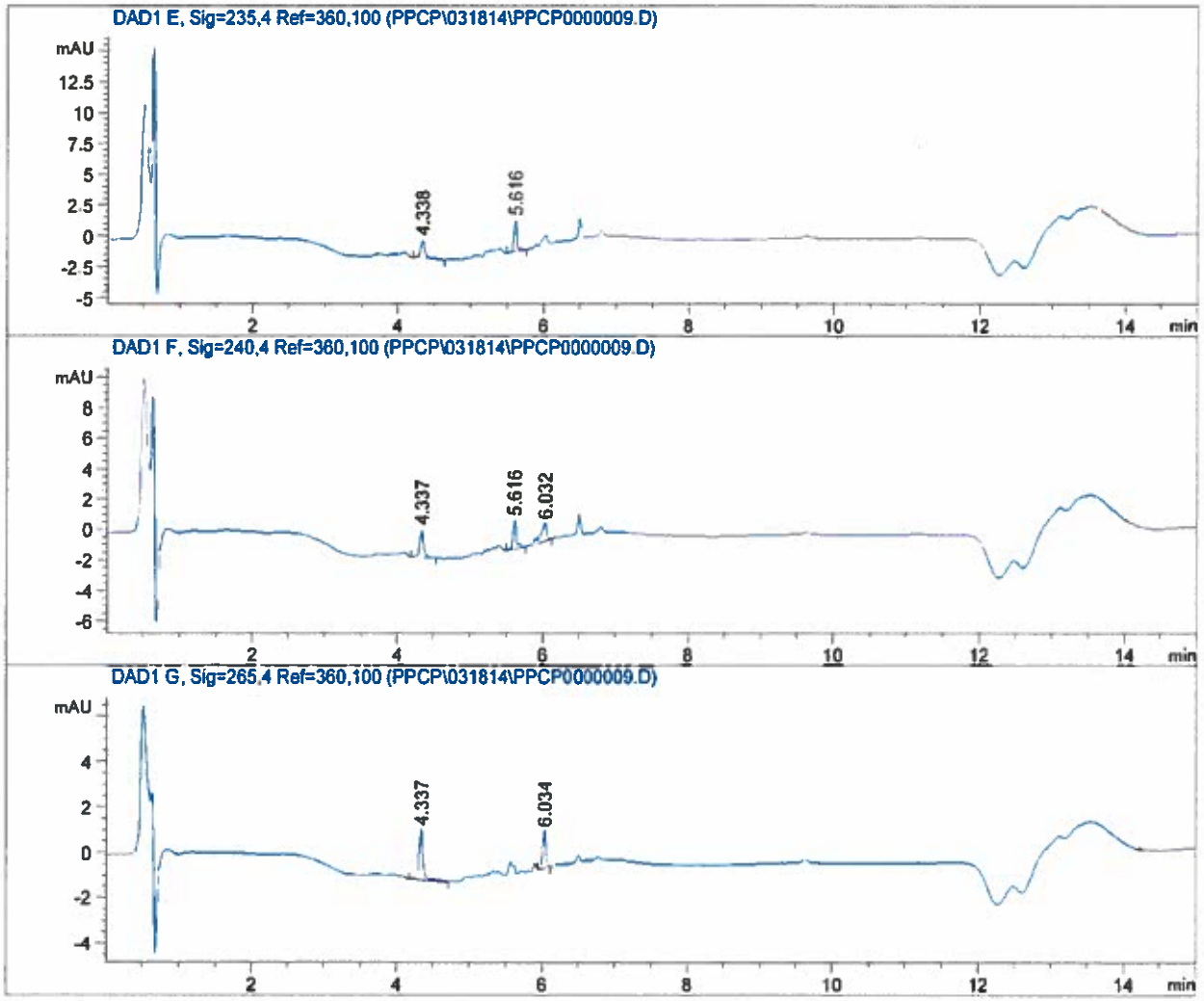
Sample Name: di H2O



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Area Percent Report with Performance and Noise

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Multiplier : 1.0000
Dilution : 1.0000
Sample Amount: : 1.00000 [ng/ul] (not used in calc.)
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=230,4 Ref=360,100

Noise determination:

Time range from [min]	Time range to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.1923	0.1055	-	-	-19.958

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000009.D
Sample Name: di H2O

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
4.343	-	7.30286	1.42103	0.63	0.0633	26050	-	7.4
5.616	-	8.88596	2.89665	0.98	0.0459	82849	13.69	15.1
13.508	-	243.41188	3.76397	1.67	1.1200	806	7.95	19.6

Signal 2: DAD1 B, Sig=254,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	9.660e-2	5.219e-2	-	-	-5.583

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
4.337	-	9.38330	2.55642	0.80	0.0533	36622	-	26.5
6.034	-	8.09125	2.15624	1.46	0.0533	70965	18.69	22.3

Signal 3: DAD1 C, Sig=280,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	5.171e-2	3.218e-2	-	-	-3.217

Signal 4: DAD1 D, Sig=273,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	7.106e-2	4.177e-2	-	-	-3.652

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000009.D
Sample Name: di H2O

Signal 5: DAD1 E, Sig=235,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.1599	9.008e-2	-	-	-15.441

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
4.338	-	6.75564	1.41669	0.67	0.0589	30038	-	8.9
5.616	-	7.76504	2.50039	0.89	0.0459	82849	14.32	15.6

Signal 6: DAD1 F, Sig=240,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.1492	8.283e-2	-	-	-11.648

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
4.337	-	6.81505	1.77229	0.90	0.0550	34436	-	11.9
5.616	-	5.97927	1.83349	0.82	0.0459	82849	14.89	12.3
6.032	-	5.51867	1.16368	1.78	0.0700	41104	4.21	7.8

Signal 7: DAD1 G, Sig=265,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	7.927e-2	4.686e-2	-	-	-4.012

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
4.337	-	8.71563	2.20327	0.74	0.0533	36622	-	27.8
6.034	-	5.20684	1.65575	1.12	0.0487	85228	19.55	20.9

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000009.D
Sample Name: di H2O

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*** End of Report ***

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000010.D
Sample Name: 0.02ppm

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Acq. Operator	: SYSTEM	Seq. Line	: 9
Acq. Instrument	: HPLC	Location	: Vial 11
Injection Date	: 3/18/2014 1:33:42 PM	Inj	: 1
		Inj Volume	: 95.000 µl

Acq. Method : C:\CHEM32\1\METHODS\KENT METHODS\031814VJR1.M
Last changed : 3/18/2014 10:38:14 AM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\KENT METHODS\DEFAULT 1.M
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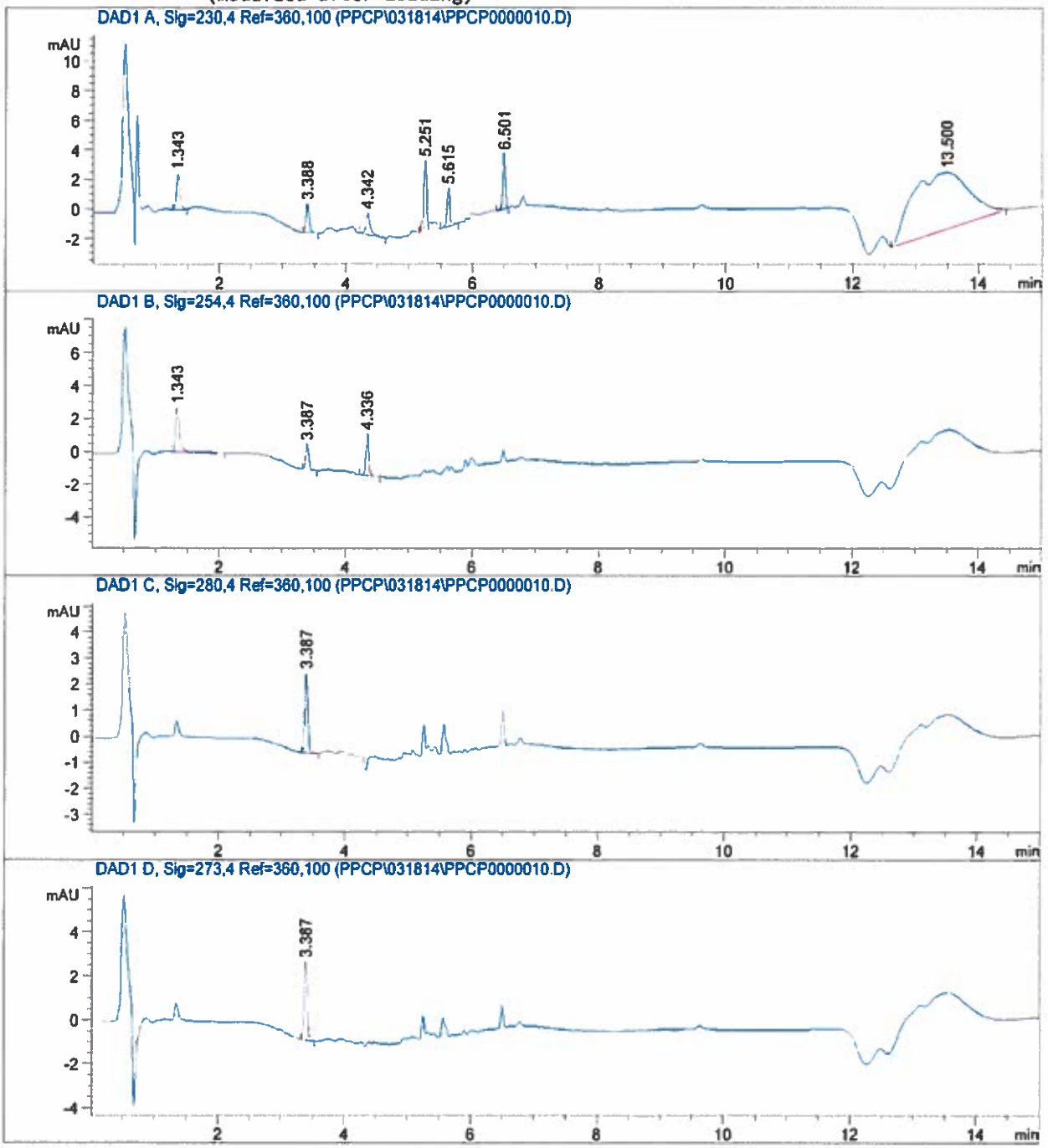
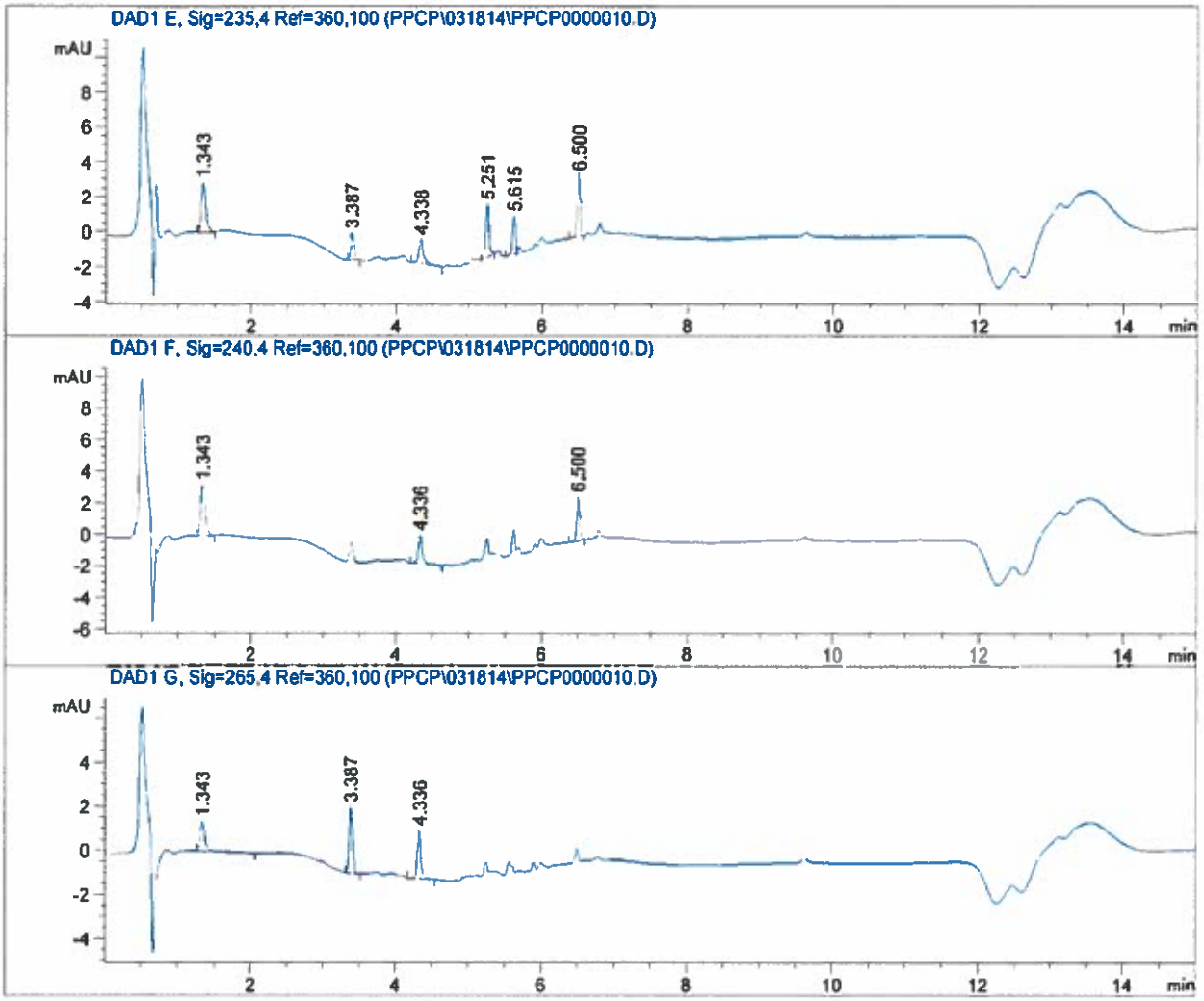


Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000010.D
Sample Name: 0.02ppm



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Area Percent Report with Performance and Noise

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Multiplier : 1.0000
Dilution : 1.0000
Sample Amount: : 1.00000 [ng/ul] (not used in calc.)
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=230,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.2901	0.1674	-	-	-25.213

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000010.D
Sample Name: 0.02ppm

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.343	-	9.69219	2.39963	0.75	0.0618	2615	-	8.3
3.388	-	6.68960	1.97511	0.85	0.0526	23018	20.99	6.8
4.342	-	7.27959	1.43026	0.64	0.0633	26055	9.67	4.9
5.251	-	12.81415	4.42057	1.22	0.0455	73905	9.82	15.2
5.615	-	8.19601	2.55637	0.91	0.0459	82861	4.69	8.8
6.501	-	10.60671	3.76103	1.04	0.0467	107589	11.24	13.0
13.500	-	242.30804	3.77477	1.62	1.1200	804	7.05	13.0

Signal 2: DAD1 B, Sig=254,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.1080	5.906e-2	-	-	-7.187

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.343	-	12.34941	2.66557	0.58	0.0626	2553	-	24.7
3.387	-	5.10740	1.56321	0.90	0.0527	22953	20.84	14.5
4.336	-	8.95596	2.54441	0.86	0.0525	37801	10.60	23.6

Signal 3: DAD1 C, Sig=280,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	5.432e-2	2.654e-2	-	-	-3.243

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
3.387	-	10.09979	3.05949	0.90	0.0526	23018	-	56.3

Signal 4: DAD1 D, Sig=273,4 Ref=360,100

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000010.D
Sample Name: 0.02ppm

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	6.871e-2	3.490e-2	-	-	-3.914

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
3.387	-	11.71112	3.57022	0.91	0.0527	22953	-	52.0

Signal 5: DAD1 E, Sig=235,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.2292	0.1293	-	-	-19.039

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.343	-	11.54633	2.82742	0.73	0.0621	2595	-	12.3
3.387	-	5.22251	1.59613	0.89	0.0527	22953	20.93	7.0
4.338	-	6.58569	1.41418	0.69	0.0589	30044	10.01	6.2
5.251	-	9.59005	3.06514	1.08	0.0461	71973	10.22	13.4
5.615	-	6.40762	2.20403	1.09	0.0453	85042	4.69	9.6
6.500	-	10.01248	3.52944	1.04	0.0460	110730	11.39	15.4

Signal 6: DAD1 F, Sig=240,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.1821	0.1013	-	-	-13.952

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.343	-	13.10021	3.17145	0.72	0.0623	2573	-	17.4
4.336	-	7.48672	1.78713	0.77	0.0556	33757	29.83	9.8
6.500	-	7.93707	2.76706	1.05	0.0460	110730	25.04	15.2

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000010.D
Sample Name: 0.02ppm

Signal 7: DAD1 G, Sig=265,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	8.822e-2	4.662e-2	-	-	-5.000

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.343	-	6.28452	1.35350	0.58	0.0626	2555	-	15.3
3.387	-	9.78317	2.98651	0.91	0.0527	22953	20.84	33.9
4.336	-	8.09059	2.18976	0.85	0.0533	36629	10.52	24.8

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*** End of Report ***

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000011.D
Sample Name: 0.02ppm

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Acq. Operator	: SYSTEM	Seq. Line	: 9
Acq. Instrument	: HPLC	Location	: Vial 11
Injection Date	: 3/18/2014 1:50:29 PM	Inj	: 2
		Inj Volume	: 95.000 µl
Acq. Method	: C:\CHEM32\1\METHODS\KENT METHODS\031814VJR1.M		
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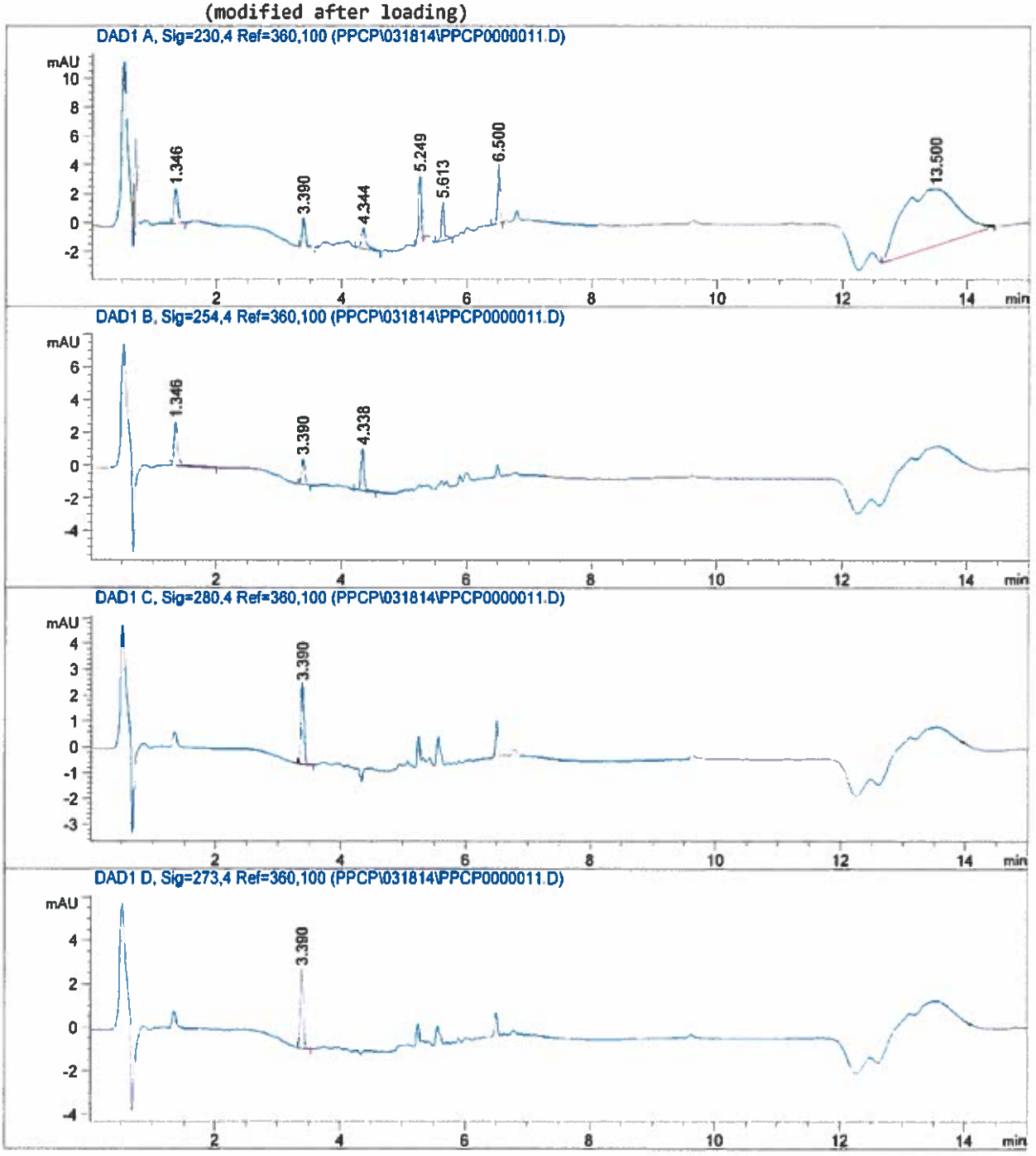
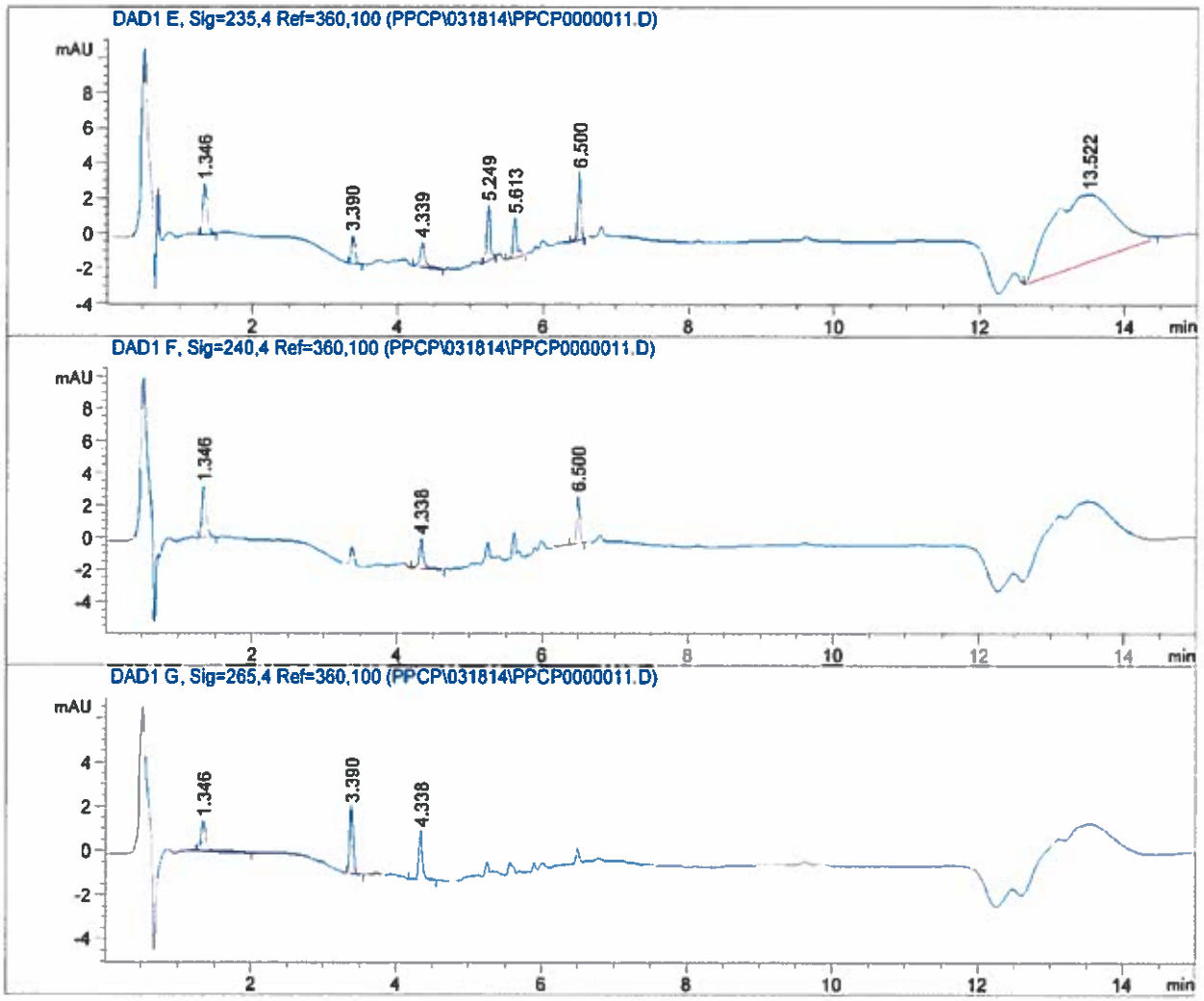
Last changed	: 3/21/2014 12:19:35 PM by SYSTEM (modified after loading)		



Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000011.D
Sample Name: 0.02ppm



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Area Percent Report with Performance and Noise

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Multiplier : 1.0000
Dilution : 1.0000
Sample Amount: : 1.00000 [ng/ul] (not used in calc.)
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=230,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.2802	0.1543	-	-	-26.179

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000011.D
Sample Name: 0.02ppm

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.346	-	9.70675	2.39336	0.75	0.0622	2583	-	8.5
3.390	-	6.66828	1.98093	0.84	0.0526	23020	20.92	7.1
4.344	-	7.30648	1.42775	0.66	0.0633	26057	9.66	5.1
5.249	-	12.89697	4.45162	1.26	0.0448	75922	9.84	15.9
5.613	-	8.34841	2.59724	0.88	0.0459	82671	4.71	9.3
6.500	-	11.35054	4.04006	1.03	0.0460	110642	11.34	14.4
13.500	-	247.15813	3.89084	1.63	1.1067	824	7.14	13.9

Signal 2: DAD1 B, Sig=254,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.1089	5.428e-2	-	-	-8.039

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.346	-	12.41140	2.66378	0.58	0.0633	2493	-	24.5
3.390	-	5.09491	1.56666	0.90	0.0520	23548	20.82	14.4
4.338	-	9.02786	2.54919	0.86	0.0525	37804	10.66	23.4

Signal 3: DAD1 C, Sig=280,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	5.306e-2	2.728e-2	-	-	-3.668

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
3.390	-	10.10580	3.07640	0.90	0.0526	23020	-	58.0

Signal 4: DAD1 D, Sig=273,4 Ref=360,100

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000011.D
Sample Name: 0.02ppm

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	7.247e-2	3.721e-2	-	-	-4.204

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
3.390	-	11.77826	3.59312	0.90	0.0527	22956	-	49.6

Signal 5: DAD1 E, Sig=235,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.2218	0.1199	-	-	-19.588

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.346	-	11.52654	2.81584	0.74	0.0621	2594	-	12.7
3.390	-	5.25675	1.60066	0.88	0.0520	23548	21.05	7.2
4.339	-	6.59084	1.41463	0.72	0.0589	30047	10.06	6.4
5.249	-	9.65431	3.08615	1.09	0.0460	72168	10.19	13.9
5.613	-	7.45544	2.23816	0.75	0.0459	82671	4.65	10.1
6.500	-	10.74333	3.78789	1.04	0.0460	110510	11.34	17.1
13.522	-	241.69540	3.79574	1.69	1.1067	827	7.16	17.1

Signal 6: DAD1 F, Sig=240,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.1760	9.189e-2	-	-	-14.506

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.346	-	13.10879	3.16123	0.72	0.0626	2550	-	18.0
4.338	-	7.55136	1.79526	0.78	0.0556	33760	29.75	10.2
6.500	-	8.40487	2.95820	1.04	0.0460	110510	25.02	16.8

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000011.D
Sample Name: 0.02ppm

Signal 7: DAD1 G, Sig=265,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	8.955e-2	4.032e-2	-	-	-5.715

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.346	-	6.40583	1.35223	0.57	0.0633	2493	-	15.1
3.390	-	9.76324	2.98786	0.90	0.0519	23683	20.85	33.4
4.338	-	7.93362	2.18141	0.86	0.0524	37977	10.69	24.4

*** End of Report ***

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000012.D
Sample Name: 0.05ppm

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Acq. Instrument : HPLC                             Location : Vial 12
Injection Date  : 3/18/2014 2:07:18 PM                  Inj :   1
                                                  Inj Volume : 95.000 µl
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Last changed     : 3/18/2014 10:38:14 AM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\KENT METHODS\DEFAULT 1.M
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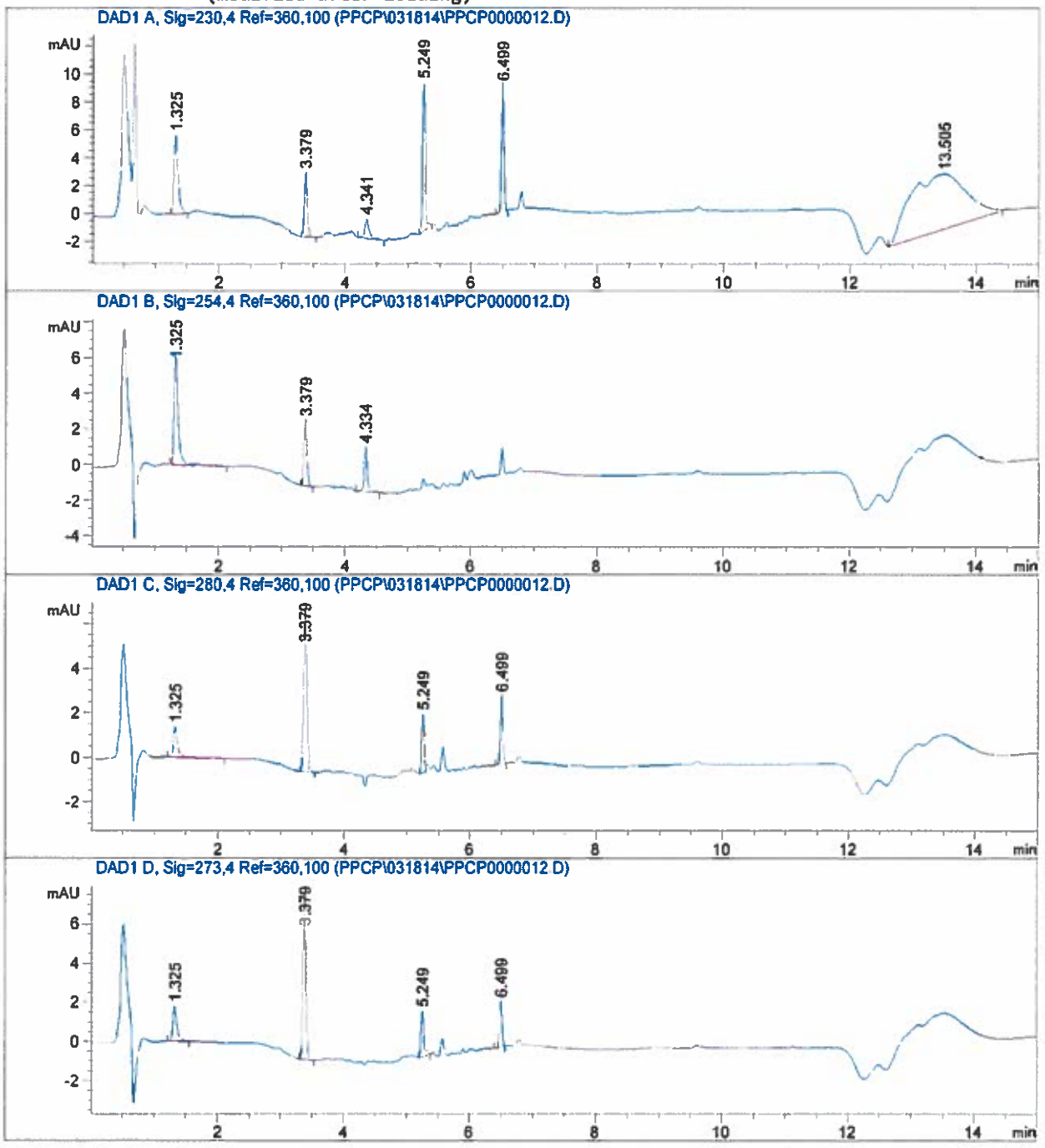

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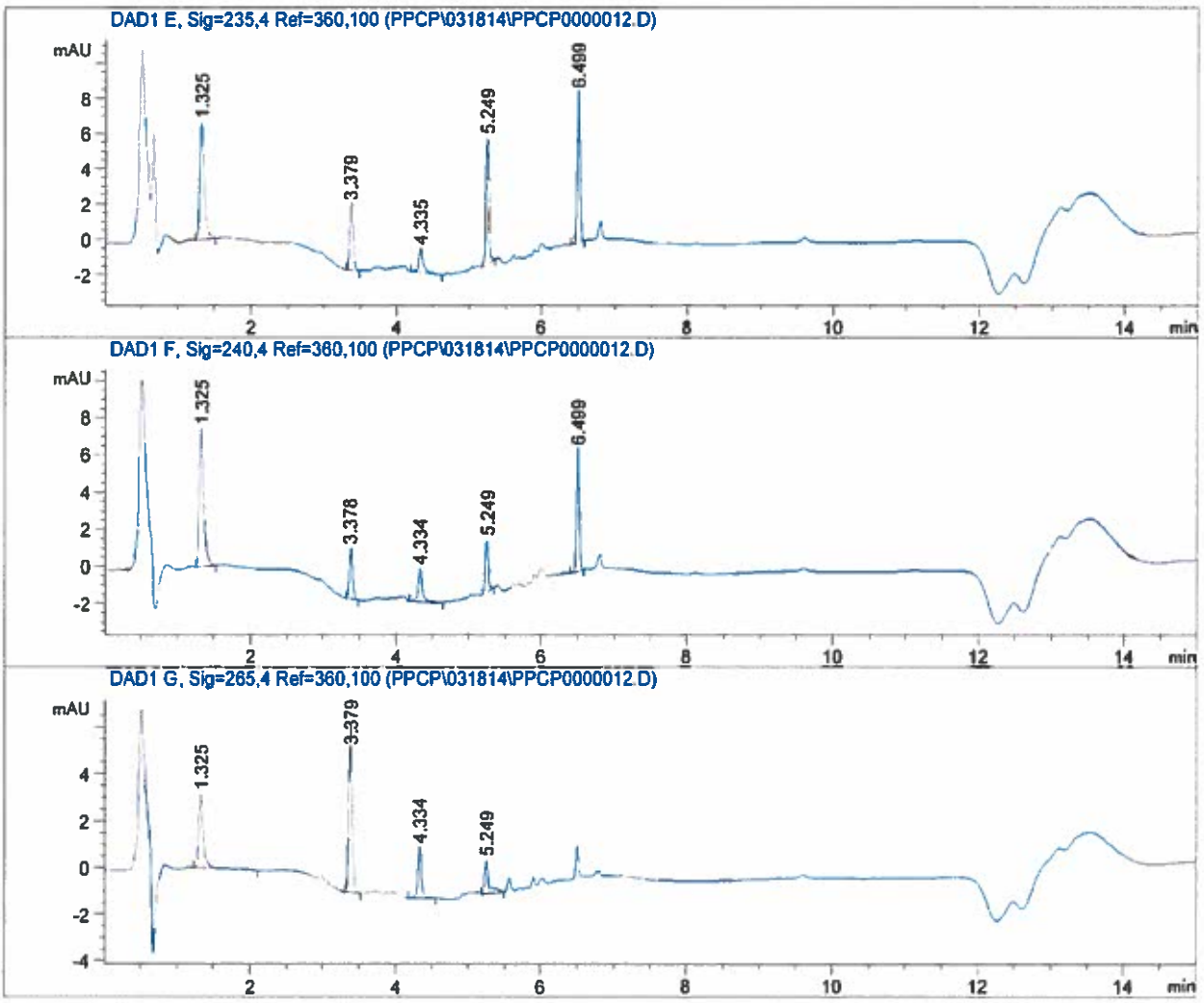
Sample Name: 0.05ppm



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Area Percent Report with Performance and Noise

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Multiplier : 1.0000
Dilution : 1.0000
Sample Amount: : 1.00000 [ng/ul] (not used in calc.)
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=230,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.2772	0.1616	-	-	-28.754

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000012.D
Sample Name: 0.05ppm

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.325	-	23.80906	5.60151	0.71	0.0640	2378	-	20.2
3.379	-	15.35072	4.59461	0.87	0.0526	22871	20.70	16.6
4.341	-	7.00321	1.36250	0.65	0.0667	23470	9.48	4.9
5.249	-	29.96870	10.59466	0.94	0.0455	73788	9.52	38.2
6.499	-	25.20509	9.10857	0.98	0.0466	107623	15.96	32.9
13.505	-	246.13594	3.91425	1.67	1.0933	845	7.22	14.1

Signal 2: DAD1 B, Sig=254,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.1182	6.733e-2	-	-	-9.518

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.325	-	28.78389	6.16975	0.60	0.0642	2361	-	52.2
3.379	-	12.13570	3.67533	0.89	0.0527	22806	20.64	31.1
4.334	-	9.09424	2.51964	0.87	0.0524	37900	10.68	21.3

Signal 3: DAD1 C, Sig=280,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	6.552e-2	4.039e-2	-	-	-4.197

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.325	-	6.64597	1.37310	0.57	0.0651	2295	-	21.0
3.379	-	23.81687	7.17021	0.89	0.0533	22240	20.37	109.4
5.249	-	7.14538	2.61440	0.95	0.0455	73975	22.25	39.9
6.499	-	8.50341	3.05685	0.98	0.0455	113258	16.16	46.7

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000012.D
Sample Name: 0.05ppm

Signal 4: DAD1 D, Sig=273,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	8.805e-2	5.331e-2	-	-	-5.150

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.325	-	7.85236	1.79799	0.69	0.0653	2287	-	20.4
3.379	-	27.72512	8.36807	0.89	0.0527	22806	20.46	95.0
5.249	-	6.92482	2.32843	0.77	0.0455	73788	22.40	26.4
6.499	-	6.46275	2.34067	0.99	0.0455	113258	16.16	26.6

Signal 5: DAD1 E, Sig=235,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.2249	0.1297	-	-	-22.635

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.325	-	28.10717	6.57851	0.70	0.0642	2362	-	29.3
3.379	-	12.30822	3.73005	0.89	0.0527	22806	20.65	16.6
4.335	-	6.41937	1.37497	0.71	0.0600	28886	9.98	6.1
5.249	-	19.99805	7.14804	0.94	0.0455	73788	10.18	31.8
6.499	-	23.53543	8.48566	0.98	0.0460	110588	16.07	37.7

Signal 6: DAD1 F, Sig=240,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.1882	0.1070	-	-	-17.424

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000012.D
Sample Name: 0.05ppm

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.325	-	31.69379	7.36121	0.69	0.0645	2344	-	39.1
3.378	-	8.82187	2.69510	0.90	0.0527	22806	20.60	14.3
4.334	-	7.47938	1.75921	0.76	0.0567	32384	10.27	9.3
5.249	-	7.94837	2.77565	0.91	0.0455	73788	10.53	14.8
6.499	-	18.24692	6.55917	0.98	0.0460	110588	16.07	34.9

Signal 7: DAD1 G, Sig=265,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.1015	5.720e-2	-	-	-6.764

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.325	-	14.81876	3.13341	0.58	0.0644	2347	-	30.9
3.379	-	23.16895	6.99802	0.89	0.0527	22806	20.61	68.9
4.334	-	8.02231	2.16429	0.86	0.0533	36559	10.59	21.3
5.249	-	5.70459	1.41592	0.44	0.0467	70004	10.76	13.9

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*** End of Report ***

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000013.D
Sample Name: 0.05ppm

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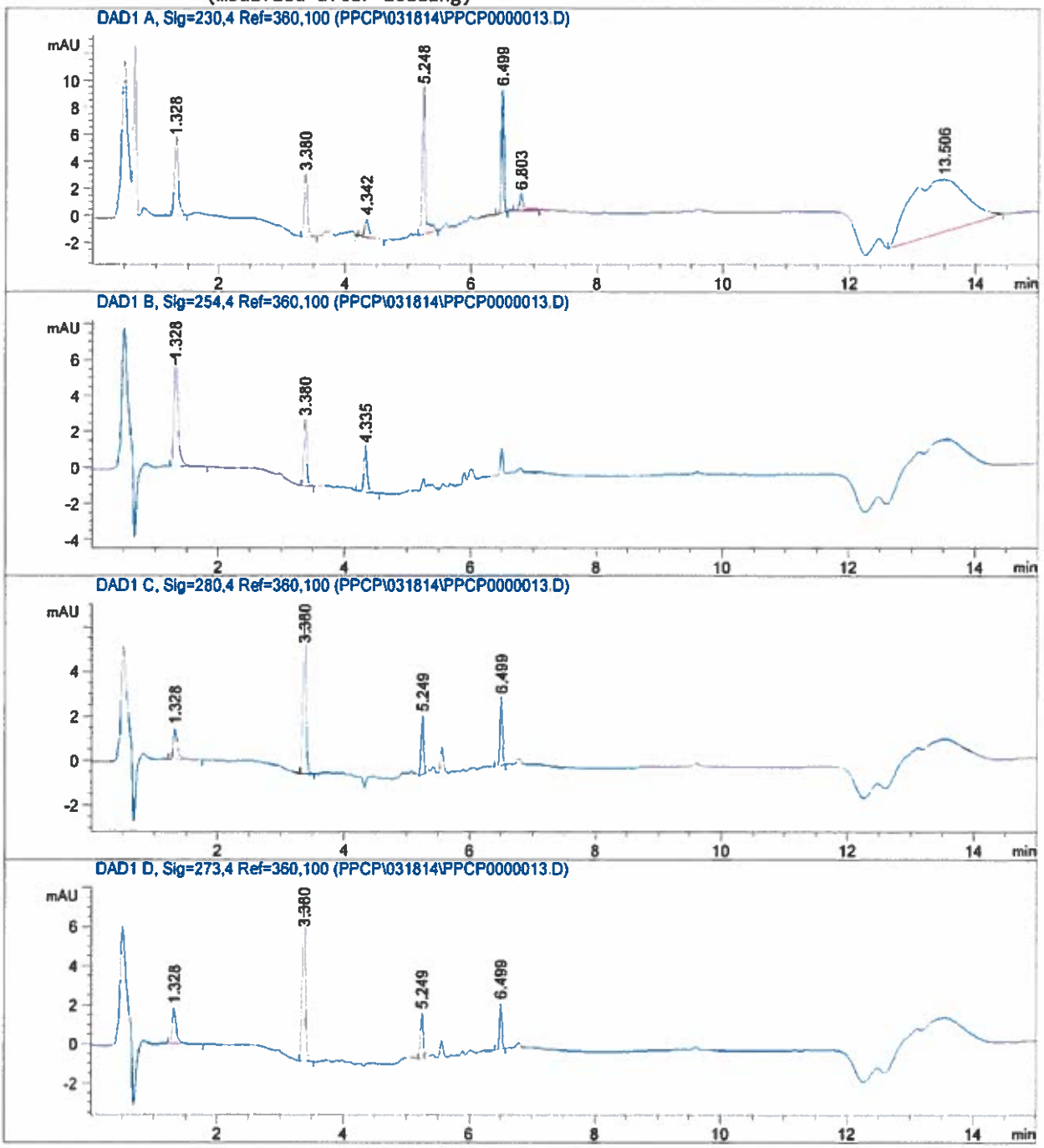
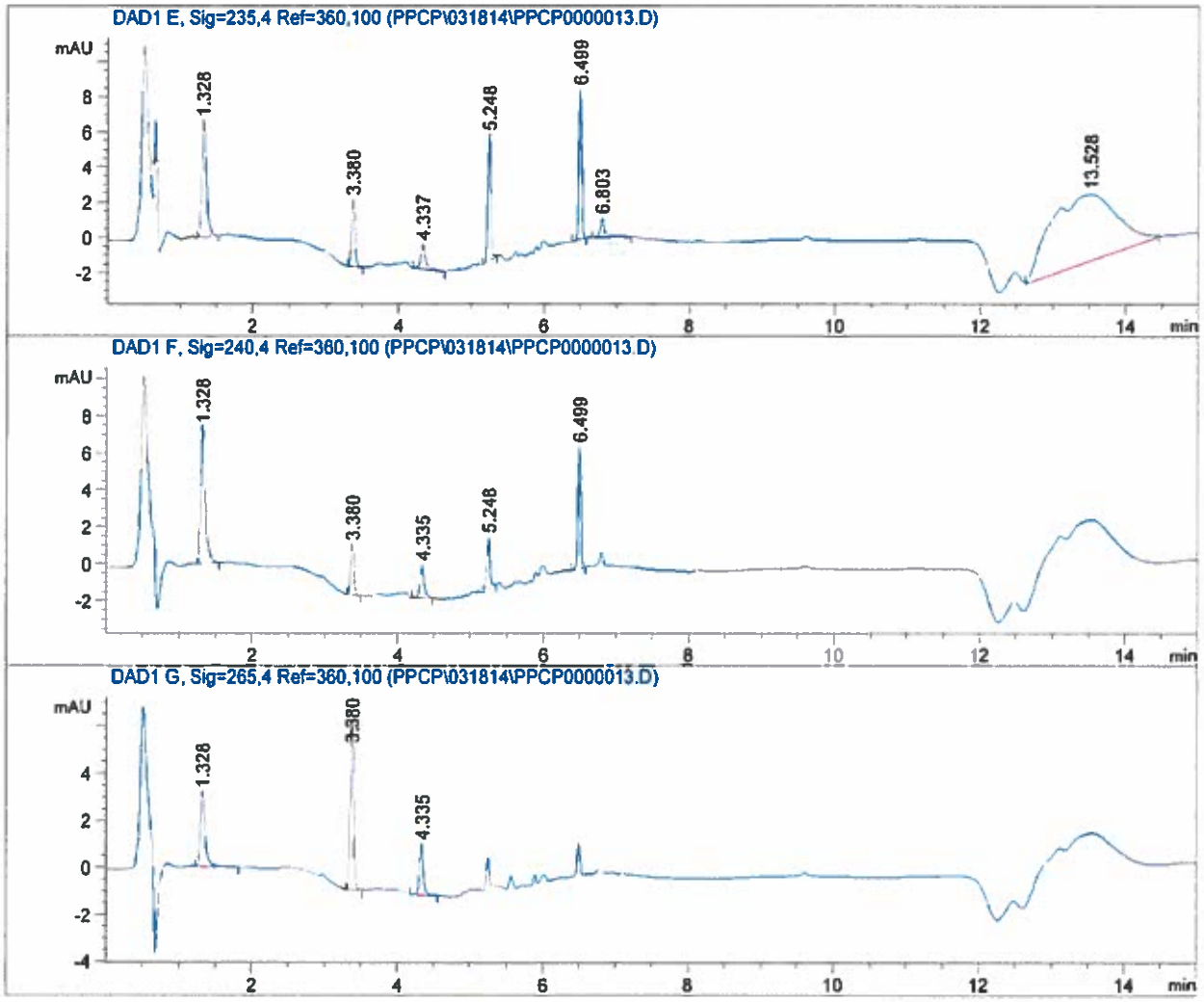
Acq. Operator : SYSTEM Seq. Line : 10
Acq. Instrument : HPLC Location : Vial 12
Injection Date : 3/18/2014 2:24:05 PM Inj : 2
Inj Volume : 95.000 µl
Acq. Method : C:\CHEM32\1\METHODS\KENT METHODS\031814VJR1.M
Last changed : 3/18/2014 10:38:14 AM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\KENT METHODS\DEFAULT 1.M
Last changed : 3/21/2014 12:19:35 PM by SYSTEM
(modified after loading)



Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000013.D
Sample Name: 0.05ppm



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Area Percent Report with Performance and Noise

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Multiplier : 1.0000
Dilution : 1.0000
Sample Amount: : 1.00000 [ng/ul] (not used in calc.)
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=230,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.2437	0.1386	-	-	-27.176

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000013.D
Sample Name: 0.05ppm

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.328	-	23.80871	5.57531	0.71	0.0642	2373	-	22.9
3.380	-	15.45525	4.60878	0.86	0.0533	22270	20.52	18.9
4.342	-	6.83985	1.36426	0.65	0.0656	24297	9.51	5.6
5.248	-	34.91244	10.77953	0.73	0.0450	75351	9.63	44.2
6.499	-	25.31380	9.13959	0.99	0.0473	104787	15.93	37.5
6.803	-	5.11430	1.25009	0.78	0.0544	86458	3.51	5.1
13.506	-	244.74207	3.81042	1.63	1.1133	816	6.75	15.6

Signal 2: DAD1 B, Sig=254,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.1054	6.151e-2	-	-	-8.006

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.328	-	27.64120	6.14136	0.64	0.0653	2292	-	58.3
3.380	-	12.16946	3.68369	0.89	0.0527	22837	20.44	35.0
4.335	-	9.02100	2.51498	0.87	0.0533	36597	10.59	23.9

Signal 3: DAD1 C, Sig=280,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	5.139e-2	3.117e-2	-	-	-3.482

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.328	-	6.15368	1.36549	0.65	0.0653	2289	-	26.6
3.380	-	23.87285	7.18555	0.89	0.0533	22270	20.32	139.8
5.249	-	7.16953	2.62077	0.96	0.0455	73852	22.22	51.0
6.499	-	8.54539	3.06572	0.99	0.0461	110375	16.05	59.7

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000013.D
Sample Name: 0.05ppm

Signal 4: DAD1 D, Sig=273,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	6.671e-2	4.107e-2	-	-	-4.837

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.328	-	8.04691	1.79796	0.65	0.0653	2289	-	27.0
3.380	-	27.76613	8.38196	0.89	0.0527	22837	20.44	125.6
5.249	-	5.82182	2.23050	1.05	0.0439	79215	22.74	33.4
6.499	-	6.54278	2.35635	0.99	0.0461	110375	16.33	35.3

Signal 5: DAD1 E, Sig=235,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.1982	0.1186	-	-	-21.588

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.328	-	28.18060	6.55218	0.69	0.0648	2326	-	33.1
3.380	-	12.35065	3.74326	0.89	0.0527	22837	20.53	18.9
4.337	-	6.32534	1.37785	0.70	0.0600	28916	9.98	7.0
5.248	-	20.00133	7.13505	0.95	0.0455	73852	10.15	36.0
6.499	-	23.63755	8.51761	0.99	0.0461	110375	16.06	43.0
6.803	-	5.14212	1.07131	0.62	0.0559	82146	3.50	5.4
13.528	-	239.54535	3.72018	1.67	1.1200	808	6.72	18.8

Signal 6: DAD1 F, Sig=240,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.1703	9.882e-2	-	-	-16.872

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000013.D
Sample Name: 0.05ppm

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.328	-	31.85911	7.34276	0.68	0.0647	2335	-	43.1
3.380	-	8.87680	2.70685	0.89	0.0527	22837	20.55	15.9
4.335	-	6.61888	1.73197	0.88	0.0550	34413	10.43	10.2
5.248	-	7.93871	2.76779	0.92	0.0455	73852	10.68	16.3
6.499	-	18.33806	6.58318	0.99	0.0453	113945	16.18	38.7

Signal 7: DAD1 G, Sig=265,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	8.420e-2	4.830e-2	-	-	-5.407

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.328	-	14.10189	3.11891	0.64	0.0653	2289	-	37.0
3.380	-	23.21281	7.00862	0.89	0.0527	22837	20.44	83.2
4.335	-	7.99592	2.15493	0.86	0.0533	36597	10.59	25.6

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*** End of Report ***

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000014.D
Sample Name: 0.08ppm

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Acq. Operator	: SYSTEM	Seq. Line	: 11
Acq. Instrument	: HPLC	Location	: Vial 2
Injection Date	: 3/18/2014 2:40:53 PM	Inj	: 1
		Inj Volume	: 95.000 µl

Acq. Method : C:\CHEM32\1\METHODS\KENT METHODS\031814VJR1.M
Last changed : 3/18/2014 10:38:14 AM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\KENT METHODS\DEFAULT 1.M
Last changed : 3/21/2014 12:19:35 PM by SYSTEM
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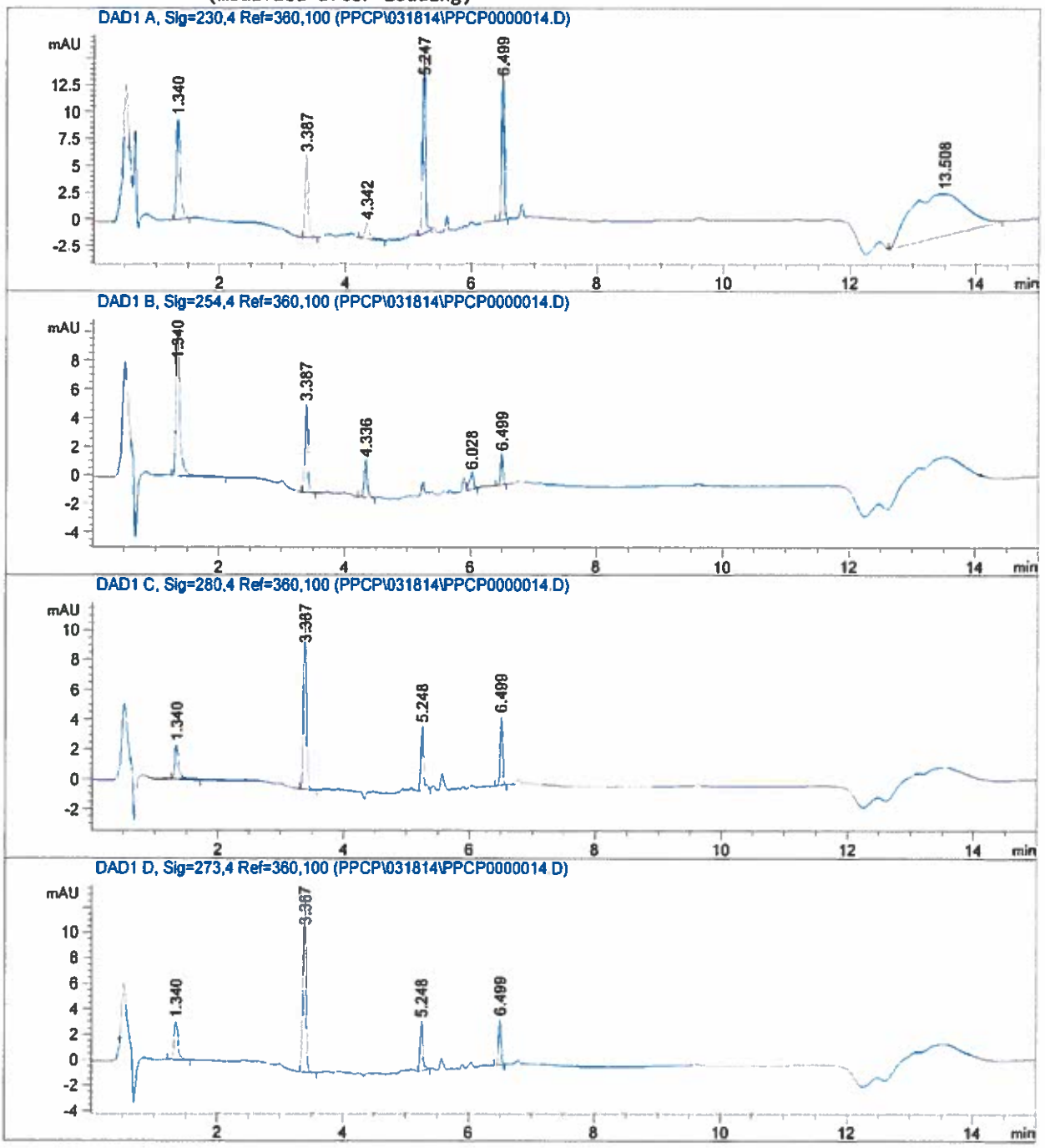
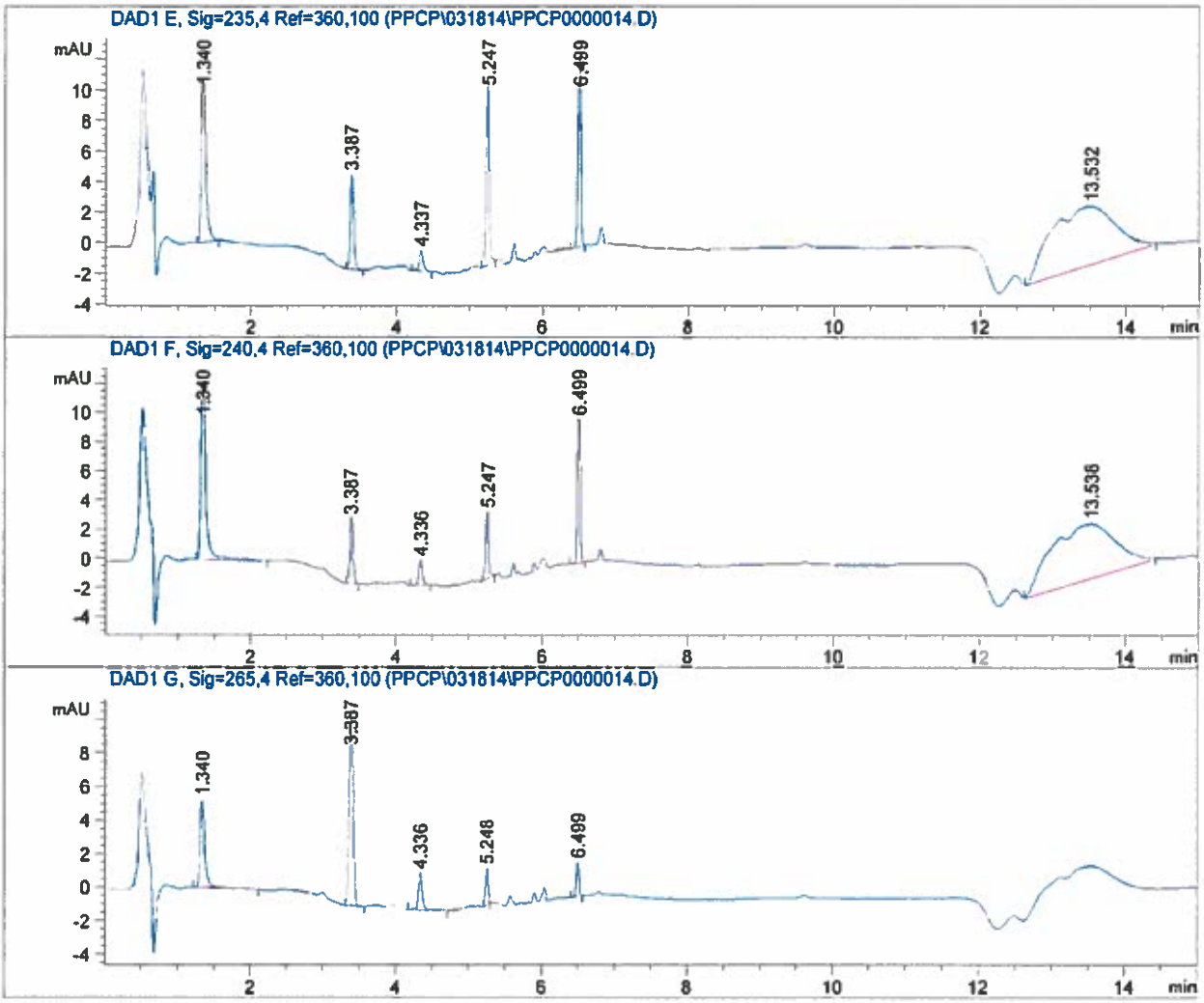


Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000014.D
Sample Name: 0.08ppm



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Area Percent Report with Performance and Noise

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Multiplier : 1.0000
Dilution : 1.0000
Sample Amount: : 1.00000 [ng/ul] (not used in calc.)
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=230,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.2221	0.1151	-	-	-29.504

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000014.D
Sample Name: 0.08ppm

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.340	-	39.55962	9.29992	0.70	0.0640	2433	-	41.9
3.387	-	25.25806	7.63020	0.88	0.0519	23657	20.76	34.3
4.342	-	7.28292	1.40595	0.60	0.0644	25145	9.65	6.3
5.247	-	49.06351	17.42726	0.95	0.0455	73858	9.68	78.4
6.499	-	38.48219	13.93304	0.98	0.0464	108866	16.01	62.7
13.508	-	246.51849	3.88499	1.66	1.1000	835	7.18	17.5

Signal 2: DAD1 B, Sig=254,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.1064	6.383e-2	-	-	-10.078

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.340	-	46.58165	10.19748	0.61	0.0638	2454	-	95.8
3.387	-	20.03155	6.09794	0.89	0.0520	23522	20.78	57.3
4.336	-	8.74596	2.53517	0.89	0.0526	37639	10.66	23.8
6.028	-	5.05157	1.11483	1.66	0.0667	45299	16.67	10.5
6.499	-	5.95188	2.13751	0.99	0.0461	110382	4.91	20.1

Signal 3: DAD1 C, Sig=280,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	5.663e-2	3.127e-2	-	-	-4.868

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.340	-	10.06393	2.26786	0.65	0.0644	2405	-	40.0
3.387	-	39.22234	11.87213	0.89	0.0519	23657	20.69	209.7
5.248	-	12.37275	4.27249	0.83	0.0448	75868	22.61	75.5
6.499	-	12.79833	4.61663	0.98	0.0455	113346	16.28	81.5

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000014.D
Sample Name: 0.08ppm

Signal 4: DAD1 D, Sig=273,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	7.616e-2	4.538e-2	-	-	-5.229

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.340	-	13.01508	2.98079	0.68	0.0643	2409	-	39.1
3.387	-	45.67175	13.86518	0.89	0.0519	23657	20.70	182.1
5.248	-	10.95181	3.80025	0.85	0.0448	75868	22.61	49.9
6.499	-	9.78701	3.53716	0.99	0.0455	113346	16.28	46.4

Signal 5: DAD1 E, Sig=235,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.1769	0.1007	-	-	-23.013

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.340	-	46.49954	10.88331	0.69	0.0639	2444	-	61.5
3.387	-	20.32413	6.19802	0.89	0.0520	23522	20.76	35.0
4.337	-	5.65052	1.37634	0.85	0.0583	30595	10.12	7.8
5.247	-	32.75652	11.75255	0.96	0.0455	73858	10.30	66.4
6.499	-	35.90284	12.96928	0.98	0.0453	113952	16.20	73.3
13.532	-	240.43604	3.78601	1.74	1.1000	838	7.21	21.4

Signal 6: DAD1 F, Sig=240,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.1515	8.884e-2	-	-	-17.589

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000014.D
Sample Name: 0.08ppm

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.340	-	57.61242	12.23562	0.57	0.0637	2461	-	80.8
3.387	-	14.57195	4.47974	0.90	0.0520	23522	20.80	29.6
4.336	-	6.63624	1.75829	0.89	0.0548	34649	10.44	11.6
5.247	-	12.91959	4.55715	0.94	0.0455	73858	10.68	30.1
6.499	-	27.77434	9.99412	0.98	0.0453	113952	16.20	66.0
13.538	-	235.73732	3.72236	1.74	1.0867	859	7.31	24.6

Signal 7: DAD1 G, Sig=265,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	8.285e-2	5.240e-2	-	-	-7.012

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.340	-	23.57464	5.18935	0.62	0.0637	2457	-	62.6
3.387	-	38.16109	11.60444	0.89	0.0519	23657	20.81	140.1
4.336	-	8.77190	2.19534	0.73	0.0533	36601	10.60	26.5
5.248	-	5.64662	2.15270	1.05	0.0444	77253	10.96	26.0
6.499	-	5.52483	2.00769	0.99	0.0455	113346	16.35	24.2

*** End of Report ***

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000015.D
Sample Name: 0.08ppm

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Acq. Operator : SYSTEM Seq. Line : 11
Acq. Instrument : HPLC Location : Vial 2
Injection Date : 3/18/2014 2:57:42 PM Inj : 2
Inj Volume : 95.000 µl

Acq. Method : C:\CHEM32\1\METHODS\KENT METHODS\031814VJR1.M
Last changed : 3/18/2014 10:38:14 AM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\KENT METHODS\DEFAULT 1.M
Last changed : 3/21/2014 12:19:35 PM by SYSTEM
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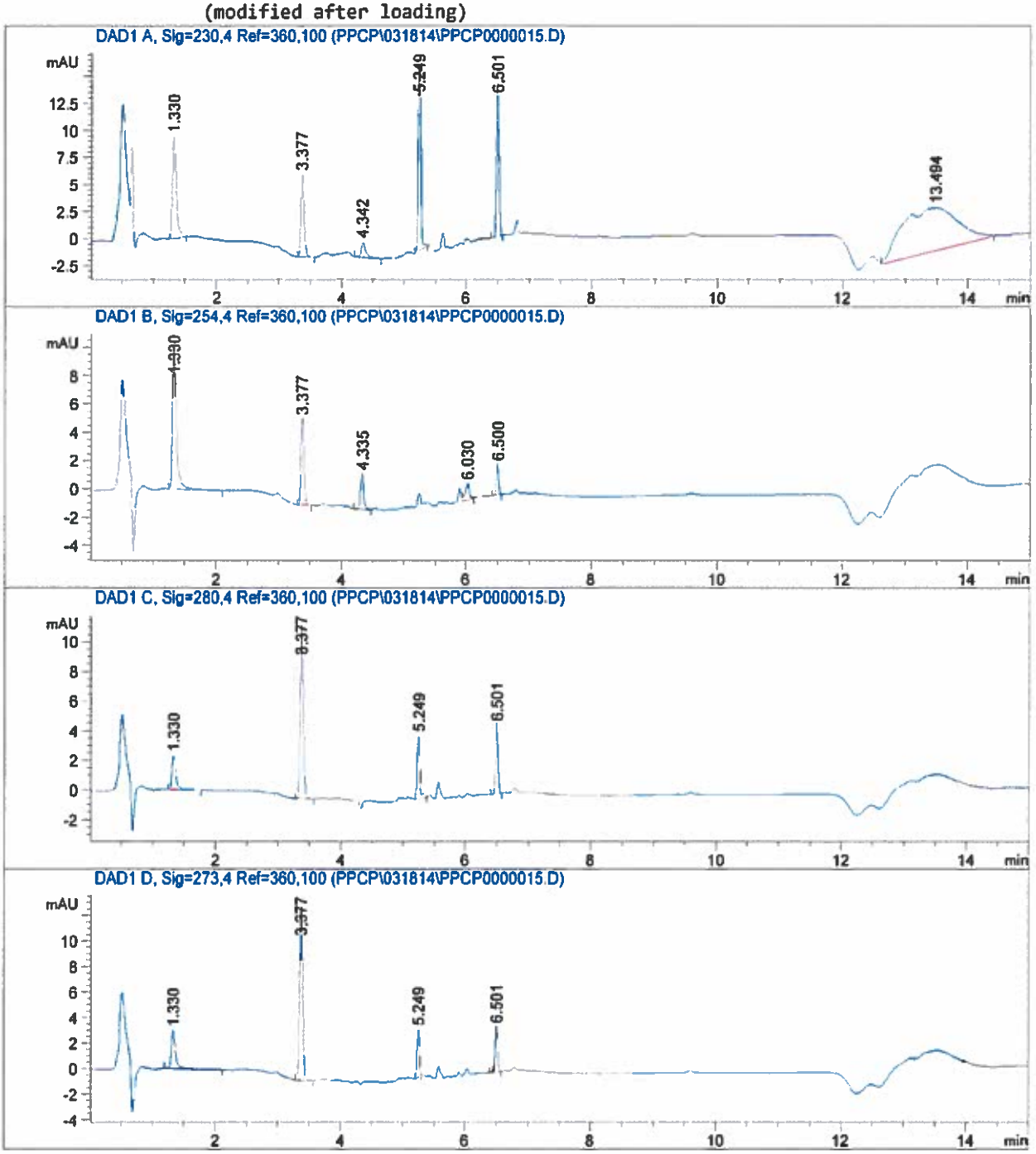
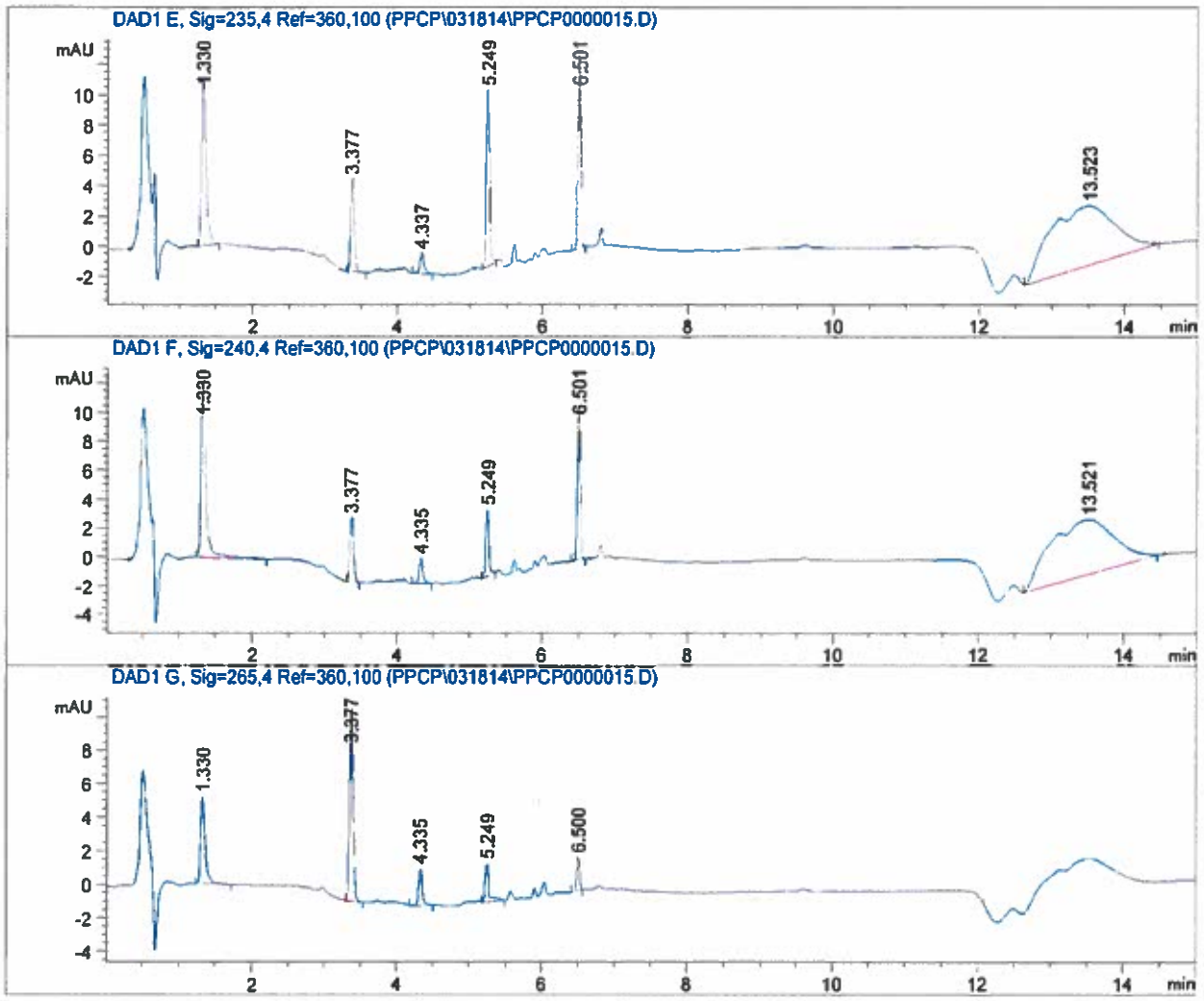


Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000015.D
Sample Name: 0.08ppm



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Area Percent Report with Performance and Noise

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Multiplier : 1.0000
Dilution : 1.0000
Sample Amount: : 1.00000 [ng/ul] (not used in calc.)
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=230,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.2547	0.1327	-	-	-27.492

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000015.D
Sample Name: 0.08ppm

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.330	-	39.66710	9.33255	0.70	0.0648	2342	-	36.6
3.377	-	25.18692	7.54725	0.88	0.0526	22876	20.49	29.6
4.342	-	7.36256	1.38438	0.60	0.0667	23474	9.50	5.4
5.249	-	49.01151	17.40906	0.94	0.0455	73799	9.51	68.4
6.501	-	38.45303	13.92780	0.97	0.0467	107518	15.97	54.7
13.494	-	246.45595	3.92426	1.59	1.1000	834	7.17	15.4

Signal 2: DAD1 B, Sig=254,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.1269	7.224e-2	-	-	-7.697

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.330	-	46.49525	10.23091	0.61	0.0646	2361	-	80.6
3.377	-	19.97833	6.03838	0.90	0.0527	22812	20.52	47.6
4.335	-	8.77686	2.53146	0.91	0.0533	36566	10.61	19.9
6.030	-	5.26633	1.17449	1.65	0.0650	47724	16.83	9.3
6.500	-	5.94061	2.14111	1.00	0.0455	113273	5.00	16.9

Signal 3: DAD1 C, Sig=280,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	6.813e-2	4.226e-2	-	-	-3.588

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.330	-	10.09703	2.27569	0.64	0.0652	2313	-	33.4
3.377	-	39.14862	11.76872	0.90	0.0526	22876	20.42	172.7
5.249	-	12.39815	4.26748	0.82	0.0455	73799	22.44	62.6
6.501	-	12.82047	4.61528	0.97	0.0461	110312	16.06	67.7

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000015.D
Sample Name: 0.08ppm

Signal 4: DAD1 D, Sig=273,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	8.934e-2	5.219e-2	-	-	-4.440

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.330	-	13.80692	3.00228	0.61	0.0654	2298	-	33.6
3.377	-	45.57533	13.73629	0.90	0.0526	22876	20.38	153.7
5.249	-	9.76706	3.69962	1.01	0.0444	77192	22.67	41.4
6.501	-	9.82456	3.54244	0.97	0.0461	110312	16.25	39.7

Signal 5: DAD1 E, Sig=235,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.2053	0.1054	-	-	-21.269

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.330	-	46.64038	10.92482	0.69	0.0641	2394	-	53.2
3.377	-	20.24918	6.13314	0.90	0.0526	22876	20.61	29.9
4.337	-	5.70812	1.37124	0.84	0.0592	29802	10.09	6.7
5.249	-	32.74755	11.74307	0.95	0.0455	73799	10.25	57.2
6.501	-	35.84922	12.95826	0.97	0.0461	110312	16.07	63.1
13.523	-	245.06177	3.85217	1.67	1.1067	827	7.16	18.8

Signal 6: DAD1 F, Sig=240,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.1826	9.879e-2	-	-	-16.065

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000015.D
Sample Name: 0.08ppm

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.330	-	57.55854	12.27084	0.57	0.0641	2394	-	67.2
3.377	-	14.51511	4.43616	0.91	0.0527	22812	20.59	24.3
4.335	-	6.69072	1.75654	0.90	0.0550	34383	10.45	9.6
5.249	-	12.86964	4.55012	0.93	0.0461	71870	10.63	24.9
6.501	-	27.73816	9.99278	0.97	0.0455	113273	16.07	54.7
13.521	-	232.65588	3.73458	1.54	1.0867	858	7.29	20.5

Signal 7: DAD1 G, Sig=265,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.700	2.500	0.1036	6.130e-2	-	-	-5.815

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.330	-	23.02952	5.19365	0.64	0.0646	2362	-	50.1
3.377	-	38.07564	11.49466	0.90	0.0527	22812	20.52	111.0
4.335	-	7.58028	2.15867	0.92	0.0533	36566	10.62	20.8
5.249	-	8.10318	2.27350	0.54	0.0458	72585	10.84	21.9
6.500	-	5.57729	2.01275	0.98	0.0455	113273	16.10	19.4

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*** End of Report ***

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000016.D
Sample Name: SPE trial 1

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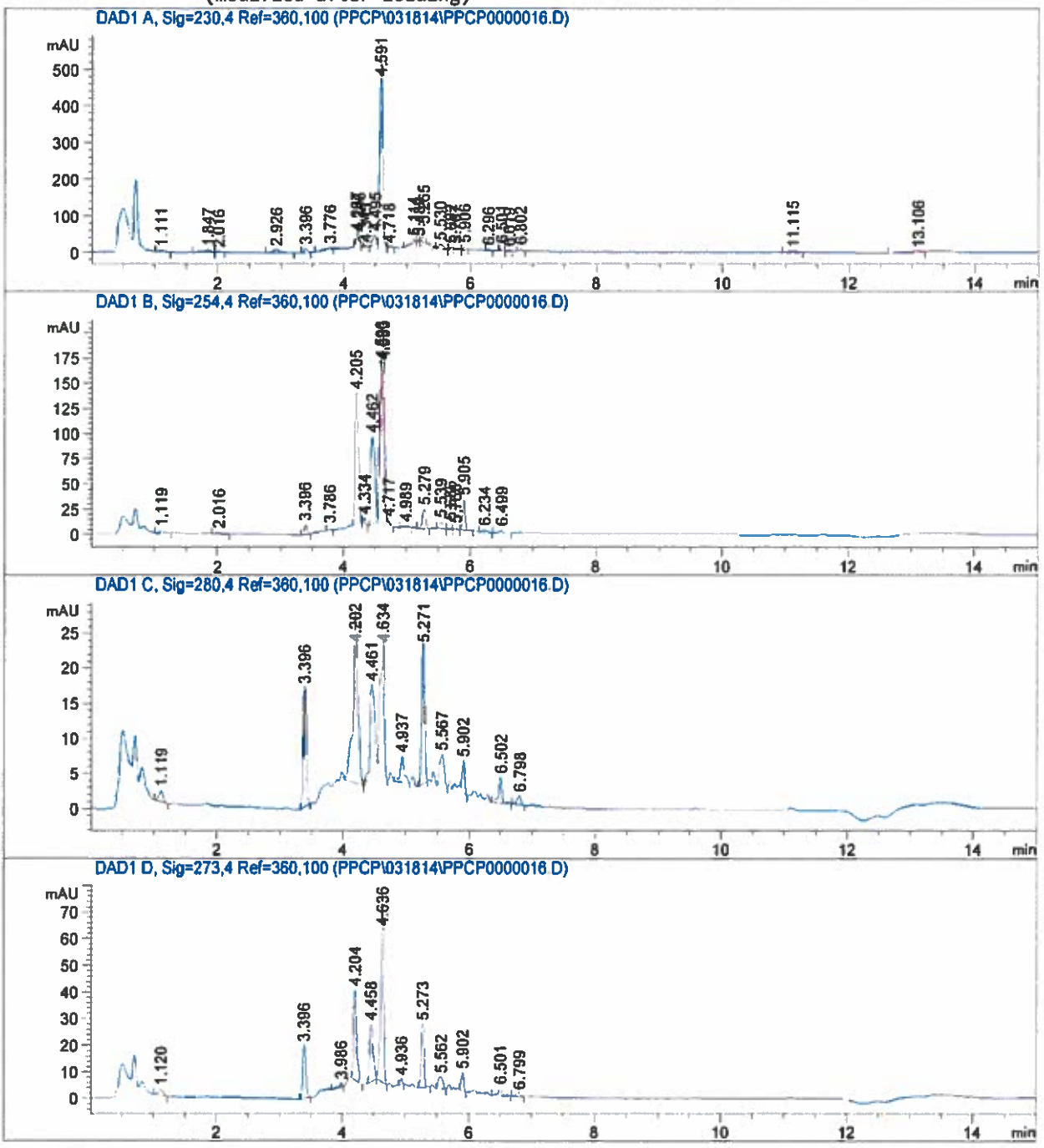
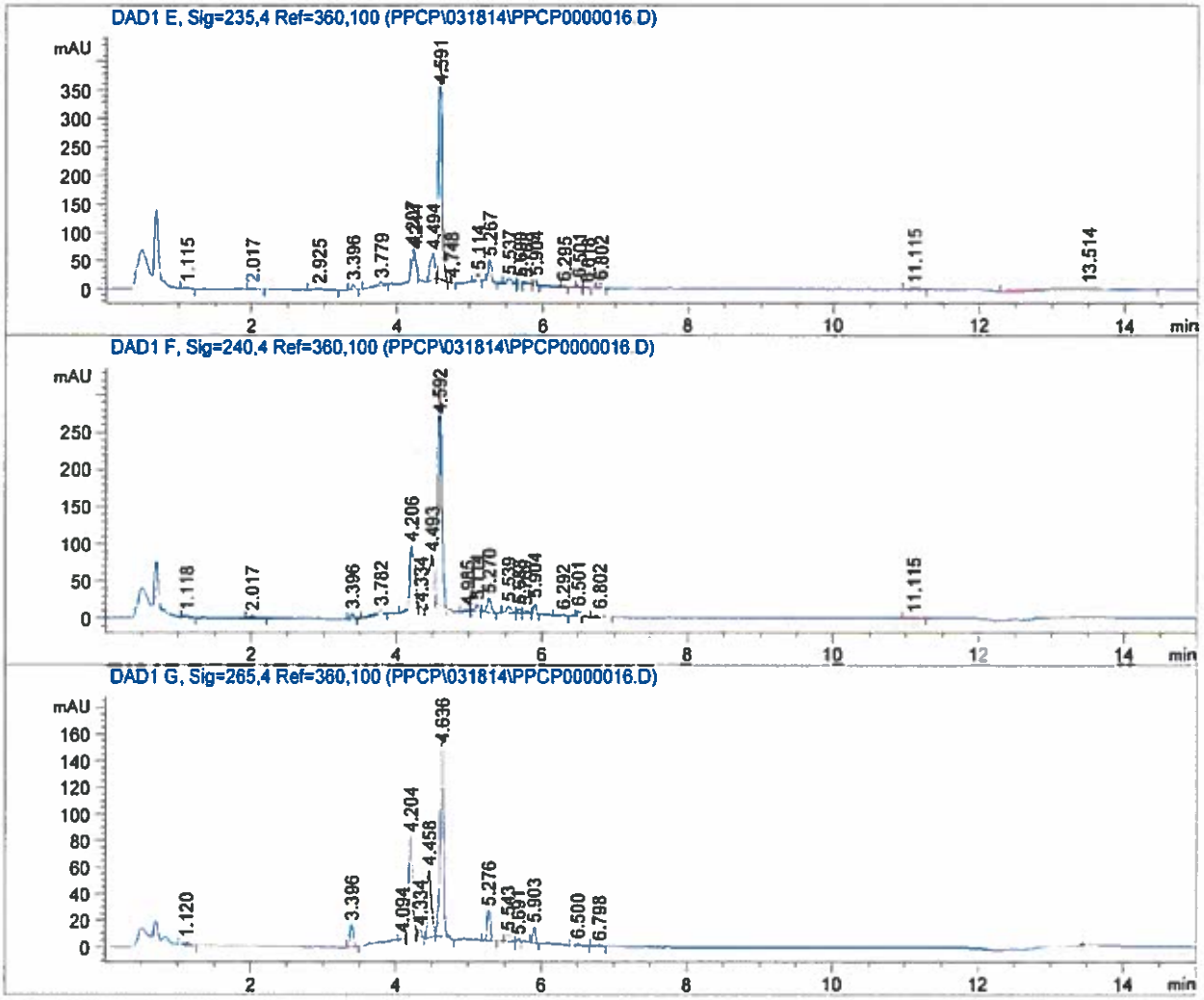
Acq. Operator : SYSTEM Seq. Line : 12
Acq. Instrument : HPLC Location : Vial 3
Injection Date : 3/18/2014 3:21:01 PM Inj : 1
Inj Volume : 95.000 µl

Acq. Method : C:\CHEM32\1\METHODS\KENT METHODS\031814VJR1.M
Last changed : 3/18/2014 10:38:14 AM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\KENT METHODS\DEFAULT 1.M
Last changed : 3/21/2014 1:47:02 PM by SYSTEM
(modified after loading)



Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000016.D
Sample Name: SPE trial 1



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Area Percent Report with Performance and Noise

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Multiplier : 1.0000
Dilution : 1.0000
Sample Amount: : 1.00000 [ng/ul] (not used in calc.)
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=230,4 Ref=360,100

Noise determination:

Time range from [min]	Time range to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
2.100	2.700	0.4954	0.3251	-	-	-42.617

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000016.D
Sample Name: SPE trial 1

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.111	-	19.69395	3.73424	1.03	0.0876	896	-	7.5
1.847	-	43.79360	5.57148	1.81	0.1092	1587	4.39	11.2
2.016	-	7.71160	1.92749	0.80	0.0653	5265	1.14	3.9
2.926	-	66.72859	8.20276	0.78	0.1200	3297	5.77	16.6
3.396	-	34.13468	10.83628	0.96	0.0529	22844	3.20	21.9
3.776	-	40.53799	5.68397	2.83	0.0885	10082	3.16	11.5
4.207	-	26.05170	11.57599	2.82	0.0348	80802	4.11	23.4
4.246	-	21.84462	9.89671	0.33	0.0333	90112	0.67	20.0
4.345	-	5.23202	1.80668	0.53	0.0456	50326	1.48	3.6
4.495	-	110.44474	27.81229	2.14	0.0667	25176	1.57	56.1
4.591	-	1564.27588	549.02454	0.89	0.0467	53692	1.00	1108.3
4.718	-	10.84387	2.07288	0.22	0.0680	26701	1.30	4.2
5.114	-	39.18324	10.28188	2.85	0.0431	78085	4.19	20.8
5.189	-	11.41088	5.37447	1.55	0.0359	115404	1.10	10.8
5.265	-	123.02661	41.09845	0.81	0.0494	62876	1.05	83.0
5.530	-	61.54228	11.02283	0.46	0.0862	22804	2.29	22.3
5.692	-	13.05595	5.57399	1.01	0.0397	114070	1.52	11.3
5.767	-	15.83996	4.17586	0.38	0.0471	83215	1.01	8.4
5.906	-	20.84826	7.89654	0.90	0.0457	92515	1.76	15.9
6.296	-	8.07135	2.84765	0.83	0.0491	91072	4.83	5.7
6.501	-	25.07391	9.62994	0.93	0.0436	123413	2.60	19.4
6.619	-	8.84317	2.50345	1.22	0.0612	64888	1.32	5.1
6.802	-	25.85526	7.89726	1.08	0.0540	87871	1.87	15.9
11.115	-	14.54144	2.20856	1.08	0.1027	64924	32.35	4.5
13.106	-	31.11018	1.04219	7.68	0.2410	16394	6.81	2.1

Signal 2: DAD1 B, Sig=254,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
2.100	2.700	0.6659	0.3903	-	-	-30.167

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.119	-	8.24614	1.70371	0.85	0.0733	1294	-	2.6
2.016	-	7.57313	1.48106	0.87	0.0781	3685	6.96	2.2
3.396	-	27.40415	8.66895	0.94	0.0527	23009	12.39	13.0
3.786	-	6.29616	2.06209	1.14	0.0527	28651	4.35	3.1
4.205	-	510.63959	130.66833	0.53	0.0683	21004	4.07	196.2
4.334	-	12.65377	5.04254	0.63	0.0417	59944	1.38	7.6
4.462	-	382.51706	85.98209	0.55	0.0791	17614	1.25	129.1
4.596	-	76.62292	28.13516	9.25	-	-	2.16	42.2
4.633	-	205.96762	89.96282	0.55	0.0442	60879	1.14	135.1
4.717	-	6.29281	2.19631	0.28	0.0367	91834	1.22	3.3
4.989	-	6.38709	1.13283	1.36	0.1000	13781	2.33	1.7
5.279	-	65.27850	18.63531	0.97	0.0563	48748	2.19	28.0

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000016.D
Sample Name: SPE trial 1

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
5.539	-	25.98388	6.27842	0.64	0.0691	35630	2.44	9.4
5.686	-	11.52238	4.31217	1.00	0.0444	90723	1.52	6.5
5.768	-	5.40619	1.94554	0.62	0.0411	109035	1.12	2.9
5.905	-	80.99454	29.65398	0.93	0.0462	90761	1.84	44.5
6.234	-	11.12982	1.68032	0.65	0.1144	16439	2.41	2.5
6.499	-	8.93021	2.28644	1.24	0.0519	87080	1.87	3.4

Signal 3: DAD1 C, Sig=280,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
2.100	2.700	0.1461	0.1363	-	-	-20.502

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.119	-	7.43389	1.52314	1.15	0.0819	1037	-	10.4
3.396	-	53.87091	16.95636	0.93	0.0527	23009	19.88	116.0
4.202	-	131.09737	24.27046	1.05	0.0659	22494	7.99	166.1
4.461	-	55.33209	12.10638	0.65	0.0800	17225	2.08	82.8
4.634	-	81.72802	18.52230	1.98	0.0848	16560	1.24	126.7
4.937	-	14.42626	3.58345	0.76	0.0519	50166	2.60	24.5
5.271	-	62.72709	20.30016	0.99	0.0515	58069	3.80	138.9
5.567	-	21.79022	4.59600	1.24	0.0810	26204	2.63	31.5
5.902	-	11.46790	4.39491	0.88	0.0450	95260	3.13	30.1
6.502	-	13.39145	3.63953	1.11	0.0496	95053	7.44	24.9
6.798	-	5.32303	1.30562	1.35	0.0644	61697	3.06	8.9

Signal 4: DAD1 D, Sig=273,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
2.100	2.700	0.1922	0.1629	-	-	-23.694

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.120	-	10.73895	2.20238	1.14	0.0775	1159	-	11.5
3.396	-	63.59334	19.88693	0.92	0.0525	23185	20.58	103.5
3.986	-	6.14344	1.42171	2.33	0.0517	32998	6.66	7.4

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000016.D
Sample Name: SPE trial 1

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
4.204	-	113.29247	34.15311	0.66	0.0513	37101	2.49	177.7
4.458	-	78.71329	21.78113	0.61	0.0600	30622	2.69	113.3
4.636	-	220.18388	70.53710	1.21	0.0491	49369	1.92	367.0
4.936	-	5.55210	2.21319	1.00	0.0439	70021	3.79	11.5
5.273	-	75.57723	23.97045	0.94	0.0513	58482	4.15	124.7
5.562	-	22.17870	4.47185	1.06	0.0829	24953	2.53	23.3
5.902	-	17.75258	6.76533	0.92	0.0450	95260	3.13	35.2
6.501	-	11.12103	2.93315	1.00	0.0511	89623	7.32	15.3
6.799	-	5.56908	1.36295	1.42	0.0625	65595	3.08	7.1

Signal 5: DAD1 E, Sig=235,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
2.100	2.700	0.5684	0.3444	-	-	-40.057

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.115	-	12.17241	2.61195	0.97	0.0758	1196	-	4.6
2.017	-	11.46832	2.57761	0.85	0.0708	4479	7.22	4.5
2.925	-	23.70300	2.96971	0.77	0.1187	3372	5.63	5.2
3.396	-	27.69442	8.81602	0.96	0.0524	23261	3.23	15.5
3.779	-	38.73992	5.96659	2.02	0.0733	14726	3.58	10.5
4.207	-	51.54723	22.59701	2.13	0.0390	64405	4.48	39.8
4.244	-	26.81022	11.76473	0.22	0.0250	159919	0.69	20.7
4.494	-	187.94742	45.13957	2.12	0.0719	21642	3.03	79.4
4.591	-	1211.80078	405.80466	0.80	0.0467	53692	0.96	714.0
4.748	-	5.03142	1.88420	0.51	0.0392	81416	2.15	3.3
5.114	-	36.62185	11.70362	1.65	0.0442	74280	5.16	20.6
5.267	-	115.92683	36.10422	0.83	0.0527	55418	1.86	63.5
5.537	-	50.13177	9.08168	0.62	0.0867	22644	2.28	16.0
5.690	-	13.59029	5.64766	1.03	0.0406	108531	1.41	9.9
5.768	-	17.99912	4.53839	0.39	0.0537	63786	0.97	8.0
5.904	-	24.42560	9.47046	0.91	0.0448	96276	1.63	16.7
6.295	-	6.85024	2.40919	0.82	0.0497	88864	4.86	4.2
6.501	-	23.74954	9.09635	0.92	0.0436	123413	2.60	16.0
6.618	-	5.58273	1.57091	1.18	0.0637	59842	1.28	2.8
6.802	-	21.33138	6.51800	1.07	0.0540	87871	1.84	11.5
11.115	-	12.16679	1.84692	1.08	0.1027	64924	32.35	3.2
13.514	-	273.12088	3.78272	1.98	1.1733	735	2.21	6.7

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000016.D
Sample Name: SPE trial 1

Signal 6: DAD1 F, Sig=240,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
2.100	2.700	0.6749	0.3802	-	-	-38.435

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.118	-	8.09937	1.90593	0.83	0.0692	1455	-	2.8
2.017	-	13.28726	2.81552	0.84	0.0733	4179	7.42	4.2
3.396	-	19.78303	6.34427	0.98	0.0524	23261	12.89	9.4
3.782	-	32.48615	5.40762	2.07	0.0667	17818	3.81	8.0
4.206	-	415.25488	85.43707	0.48	0.0867	13057	3.25	126.6
4.334	-	5.51344	2.35685	0.50	0.0391	68104	1.19	3.5
4.493	-	288.14047	65.47043	2.09	0.0762	19245	1.62	97.0
4.592	-	1018.31171	305.68777	0.65	0.0517	43803	0.90	452.9
4.985	-	6.25095	1.44401	2.94	0.0510	52940	4.51	2.1
5.114	-	28.73352	8.85435	1.50	0.0462	67820	1.55	13.1
5.270	-	78.17609	18.93224	0.92	0.0633	38323	1.67	28.1
5.539	-	38.46964	7.86802	0.75	0.0753	29970	2.28	11.7
5.688	-	12.98297	5.30445	0.98	0.0410	106607	1.50	7.9
5.769	-	17.13592	4.04921	0.41	0.0808	28204	0.79	6.0
5.904	-	36.82251	14.27852	0.93	0.0448	96276	1.26	21.2
6.292	-	12.55768	2.24467	2.49	0.1256	13922	2.68	3.3
6.501	-	18.79349	7.18876	0.91	0.0450	115617	1.44	10.7
6.802	-	18.91187	4.83694	1.38	0.0563	80849	3.49	7.2
11.115	-	8.74062	1.32439	1.08	0.1040	63270	31.62	2.0

Signal 7: DAD1 G, Sig=265,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
2.100	2.700	0.2710	0.1888	-	-	-24.551

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.120	-	11.42864	2.34512	1.03	0.0750	1237	-	8.7
3.396	-	53.19292	16.62630	0.92	0.0525	23140	20.97	61.3
4.094	-	6.40969	1.86173	1.21	0.0671	20599	6.85	6.9
4.204	-	244.46106	75.57546	0.69	0.0493	40170	1.12	278.9
4.334	-	14.15965	5.23654	0.76	0.0448	51818	1.62	19.3
4.458	-	182.48096	50.60152	0.62	0.0578	33023	1.42	186.7

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000016.D
Sample Name: SPE trial 1

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
4.636	-	545.74927	172.76474	1.15	0.0493	48885	1.95	637.5
5.276	-	72.05600	22.99808	0.98	0.0513	58482	7.47	84.9
5.543	-	22.99635	4.92575	0.59	0.0780	28023	2.43	18.2
5.691	-	6.52316	2.45464	1.08	0.0456	86028	1.40	9.1
5.903	-	32.73302	12.04341	1.00	0.0461	90924	2.71	44.4
6.500	-	8.06198	2.01456	0.99	0.0526	84644	7.11	7.4
6.798	-	5.03273	1.12451	1.74	0.0658	59121	2.96	4.1

*** End of Report ***

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000017.D
Sample Name: SPE trial 1

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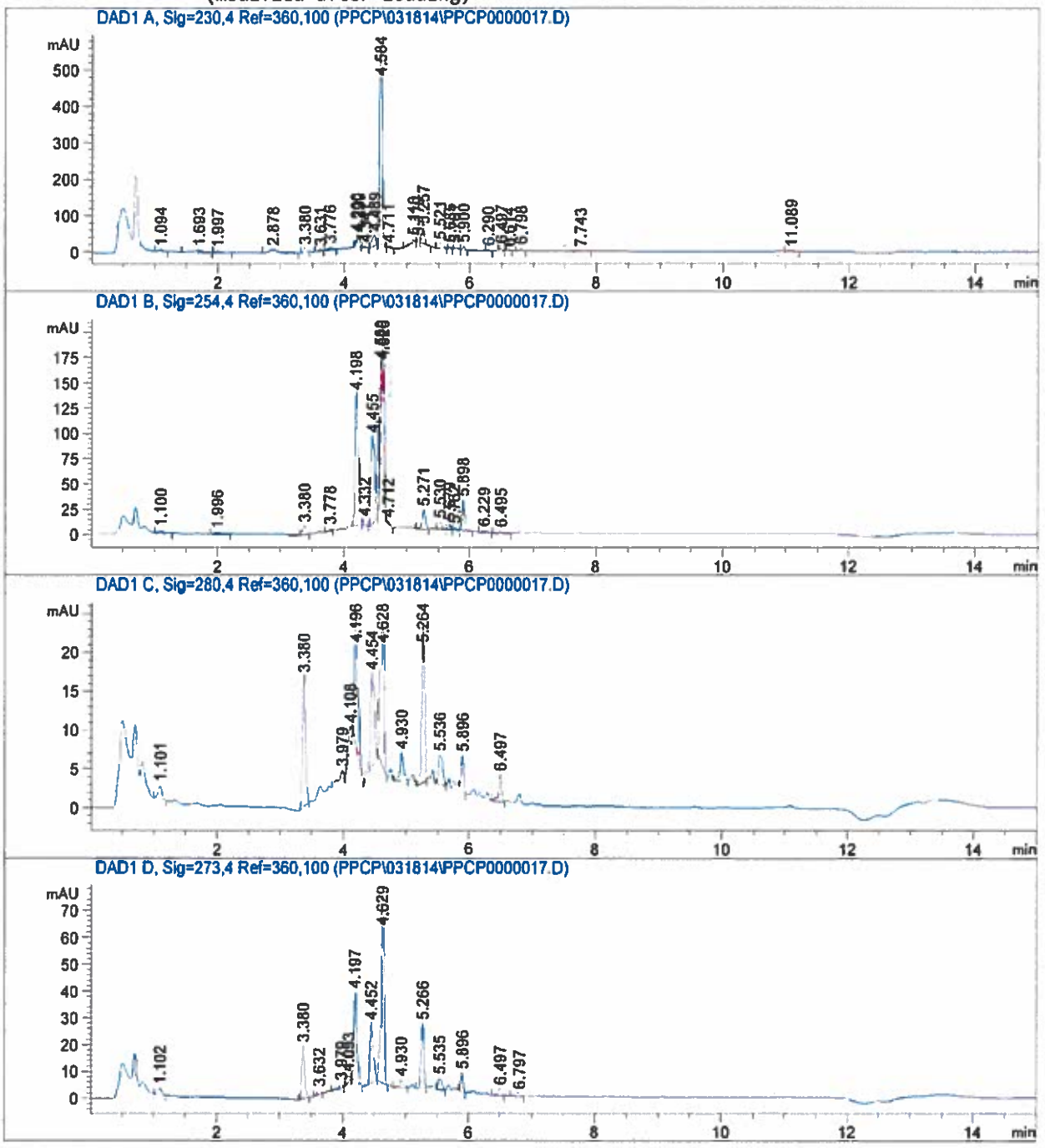
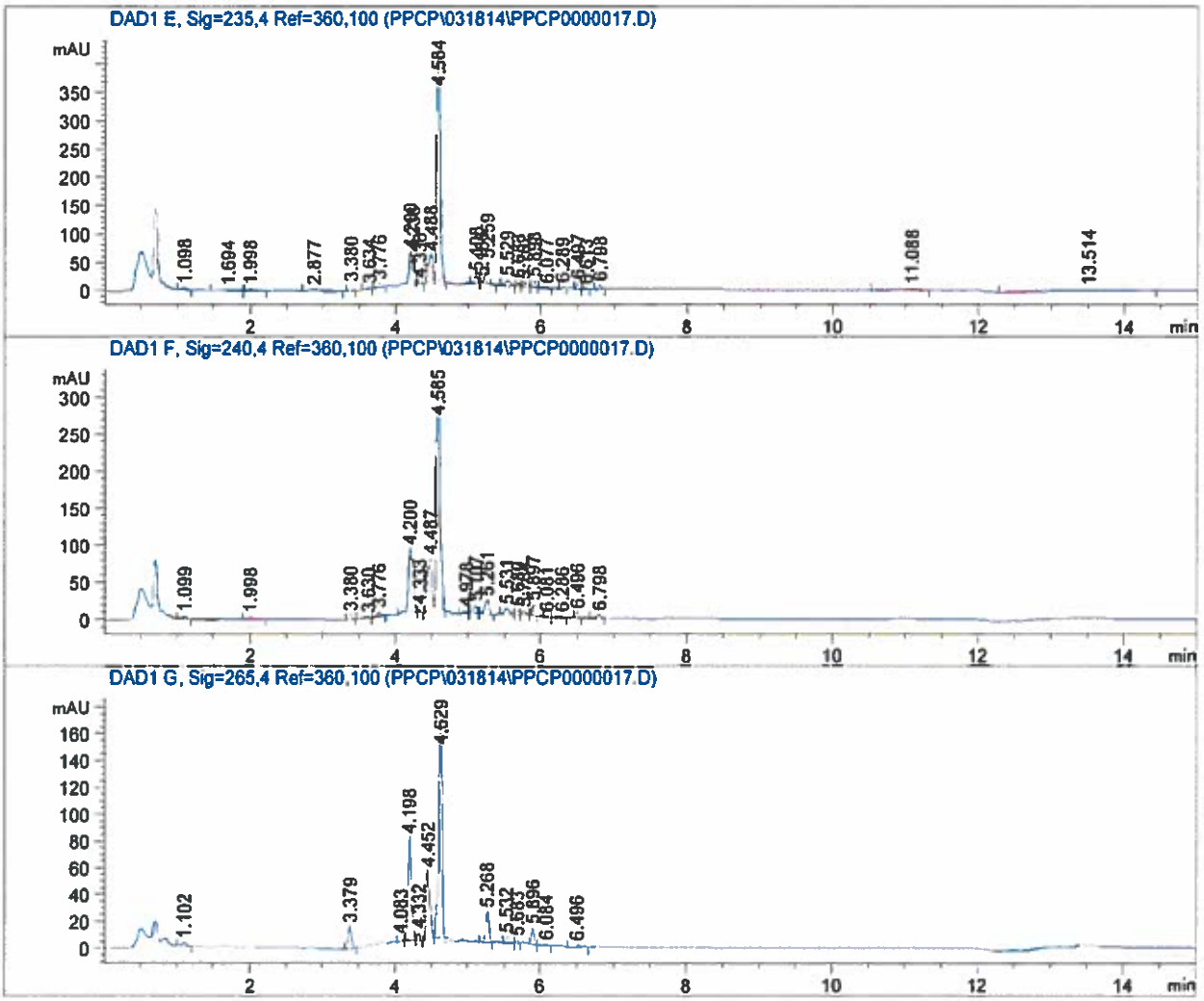


Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000017.D
Sample Name: SPE trial 1



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Area Percent Report with Performance and Noise

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Multiplier : 1.0000
Dilution : 1.0000
Sample Amount: : 1.00000 [ng/ul] (not used in calc.)
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=230,4 Ref=360,100

Noise determination:

Time range from [min]	Time range to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
2.100	2.700	0.4877	0.2943	-	-	-42.463

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000017.D
Sample Name: SPE trial 1

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.094	-	18.40868	3.89075	1.14	0.0792	1055	-	8.0
1.693	-	52.59070	5.81166	1.62	0.1089	1338	3.74	11.9
1.997	-	10.25227	2.19191	0.74	0.0708	4413	1.99	4.5
2.878	-	70.47386	8.86412	0.70	0.1107	3750	5.70	18.2
3.380	-	32.91043	10.49988	0.97	0.0527	22806	3.61	21.5
3.631	-	8.83658	2.49337	1.59	0.0633	18225	2.55	5.1
3.776	-	21.62262	4.90728	0.95	0.0770	13332	1.21	10.1
4.200	-	24.23874	10.93250	2.92	0.0343	82984	4.48	22.4
4.239	-	23.28293	10.44738	0.37	0.0341	85635	0.67	21.4
4.341	-	7.66764	2.61387	0.64	0.0467	47897	1.48	5.4
4.489	-	107.24765	27.41119	2.25	0.0651	26306	1.56	56.2
4.584	-	1560.60938	548.84418	0.90	0.0457	55750	1.01	1125.4
4.711	-	10.99693	2.15931	0.23	0.0667	27682	1.33	4.4
5.110	-	31.81897	9.21589	2.60	0.0415	83922	4.32	18.9
5.179	-	9.55563	4.64427	1.29	0.0350	121309	1.07	9.5
5.257	-	120.53778	40.33384	0.80	0.0494	62677	1.09	82.7
5.521	-	61.83709	11.78027	0.48	0.0795	26709	2.40	24.2
5.685	-	12.91622	5.49875	1.01	0.0397	113736	1.62	11.3
5.761	-	16.95595	4.35689	0.42	0.0612	49098	0.89	8.9
5.900	-	21.44921	8.03001	0.90	0.0457	92254	1.52	16.5
6.290	-	7.84340	2.75891	0.82	0.0497	88817	4.81	5.7
6.497	-	24.14536	9.28403	0.94	0.0438	122256	2.60	19.0
6.614	-	8.65555	2.43999	1.20	0.0607	65657	1.32	5.0
6.798	-	25.31507	7.73798	1.08	0.0540	87828	1.89	15.9
7.743	-	7.63872	1.12975	1.34	0.0800	51936	8.28	2.3
11.089	-	11.20338	1.86999	0.91	0.1011	66676	21.71	3.8

Signal 2: DAD1 B, Sig=254,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
2.100	2.700	0.6644	0.3975	-	-	-22.884

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.100	-	7.15313	1.68154	1.05	0.0650	1584	-	2.5
1.996	-	8.47301	1.59608	0.80	0.0790	3543	7.31	2.4
3.380	-	26.84151	8.48206	0.95	0.0516	23803	12.45	12.8
3.778	-	7.31368	2.32222	1.23	0.0540	27134	4.43	3.5
4.198	-	516.61761	130.81239	0.53	0.0685	20828	4.04	196.9
4.332	-	12.97016	5.34761	0.78	0.0403	63923	1.44	8.0
4.455	-	380.04300	85.80501	0.55	0.0792	17524	1.21	129.1
4.589	-	73.22588	28.31711	8.72	-	-	2.13	42.6
4.626	-	207.97472	90.37216	0.56	0.0445	59829	1.12	136.0
4.712	-	6.86057	2.41242	0.30	0.0352	99080	1.25	3.6
5.271	-	63.65606	18.25710	1.05	0.0556	49899	7.25	27.5

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000017.D
Sample Name: SPE trial 1

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
5.530	-	25.50994	6.41772	0.64	0.0661	38857	2.50	9.7
5.679	-	11.40694	4.26723	0.98	0.0444	90457	1.58	6.4
5.762	-	6.45268	2.03648	0.55	0.0459	87285	1.08	3.1
5.898	-	79.95453	29.57121	0.96	0.0456	92551	1.74	44.5
6.229	-	10.89119	1.69075	0.67	0.1106	17569	2.49	2.5
6.495	-	8.32577	2.08957	1.31	0.0517	87481	1.92	3.1

Signal 3: DAD1 C, Sig=280,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
2.100	2.700	7.456e-2	8.817e-2	-	-	-13.972

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.101	-	7.19490	1.66530	1.13	0.0692	1399	-	22.3
3.380	-	53.24499	16.67488	0.94	0.0527	22806	21.97	223.6
3.979	-	5.57701	1.17993	2.66	0.0506	34321	6.82	15.8
4.108	-	9.56584	2.41156	2.40	0.0620	24259	1.35	32.3
4.196	-	64.52635	17.27328	0.51	0.0538	33738	0.89	231.7
4.454	-	53.40441	11.90232	0.63	0.0800	17212	2.27	159.6
4.628	-	81.44482	18.60378	1.98	0.0833	17071	1.25	249.5
4.930	-	13.81073	3.57412	0.84	0.0526	48730	2.61	47.9
5.264	-	62.70511	20.34400	1.01	0.0515	57886	3.77	272.8
5.536	-	19.13519	3.82588	0.51	0.0842	23995	2.36	51.3
5.896	-	11.75180	4.45805	0.91	0.0456	92689	3.26	59.8
6.497	-	11.51204	3.38531	1.46	0.0496	95004	7.43	45.4

Signal 4: DAD1 D, Sig=273,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
2.100	2.700	9.846e-2	0.1055	-	-	-16.148

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.102	-	10.14614	2.34111	1.17	0.0683	1433	-	23.8
3.380	-	62.97620	19.56892	0.92	0.0524	23048	22.17	198.8

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000017.D
Sample Name: SPE trial 1

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
3.632	-	5.50478	1.38465	1.53	0.0682	15714	2.46	14.1
3.979	-	6.13771	1.38293	2.40	0.0517	32860	3.39	14.0
4.093	-	8.20517	2.31076	1.46	0.0719	17966	1.09	23.5
4.197	-	108.45528	32.85337	0.66	0.0500	39075	1.00	333.7
4.452	-	79.00658	21.83272	0.62	0.0600	30508	2.72	221.7
4.629	-	220.17384	70.73205	1.23	0.0497	47999	1.90	718.4
4.930	-	11.57278	2.79377	0.90	0.0533	47386	3.43	28.4
5.266	-	74.00313	23.89062	1.01	0.0513	58297	3.77	242.6
5.535	-	20.20187	4.17331	0.50	0.0817	25486	2.38	42.4
5.896	-	17.89242	6.79492	0.94	0.0456	92689	3.33	69.0
6.497	-	9.17539	2.70361	1.42	0.0504	92231	7.37	27.5
6.797	-	5.34763	1.32813	1.45	0.0600	71141	3.19	13.5

Signal 5: DAD1 E, Sig=235,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
2.100	2.700	0.5543	0.3154	-	-	-35.933

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.098	-	11.80611	2.73934	1.17	0.0717	1303	-	4.9
1.694	-	12.31403	1.14321	1.10	0.1567	647	3.07	2.1
1.998	-	12.44331	2.65098	0.76	0.0717	4311	1.56	4.8
2.877	-	27.11983	3.28388	0.65	0.1105	3758	5.67	5.9
3.380	-	26.63729	8.52785	0.98	0.0527	22806	3.62	15.4
3.634	-	5.79644	1.60984	1.95	0.0581	21659	2.69	2.9
3.776	-	23.74904	5.55799	1.07	0.0667	17803	1.34	10.0
4.200	-	50.01222	22.02369	2.19	0.0391	64048	4.72	39.7
4.238	-	28.62601	12.17945	0.21	0.0281	126366	0.65	22.0
4.336	-	5.72472	2.22331	0.62	0.0410	62052	1.67	4.0
4.488	-	186.72025	44.96663	2.16	0.0718	21646	1.59	81.1
4.584	-	1212.12402	406.09222	0.80	0.0482	50137	0.94	732.7
5.108	-	38.86700	12.10576	1.68	0.0449	71675	6.61	21.8
5.186	-	6.58977	3.14534	1.11	0.0409	89249	1.07	5.7
5.259	-	124.36765	37.06834	0.92	0.0539	52765	0.91	66.9
5.529	-	49.42623	9.21898	0.62	0.0833	24418	2.31	16.6
5.683	-	13.20568	5.53723	1.02	0.0403	110096	1.46	10.0
5.762	-	18.89758	4.65820	0.42	0.0686	39015	0.85	8.4
5.898	-	24.90052	9.58412	0.93	0.0433	102671	1.42	17.3
6.077	-	7.36105	1.32349	1.71	0.1495	9140	1.09	2.4
6.289	-	6.50084	2.30069	0.81	0.0497	88629	1.25	4.2
6.497	-	22.77033	8.73814	0.94	0.0442	119960	2.60	15.8
6.613	-	5.47803	1.52844	1.18	0.0626	61829	1.28	2.8
6.798	-	20.92315	6.39875	1.07	0.0540	87828	1.87	11.5
11.088	-	32.57828	2.06816	3.69	0.3356	6047	12.94	3.7

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000017.D
Sample Name: SPE trial 1

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
13.514	-	271.10712	3.77026	2.07	1.1600	752	1.91	6.8

Signal 6: DAD1 F, Sig=240,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
2.100	2.700	0.6657	0.3607	-	-	-30.954

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.099	-	8.00390	1.99039	1.12	0.0650	1584	-	3.0
1.998	-	13.47656	2.84103	0.78	0.0724	4226	7.68	4.3
3.380	-	18.99735	6.13001	0.99	0.0515	23856	13.11	9.2
3.630	-	6.37564	1.29953	3.01	0.0578	21898	2.69	2.0
3.776	-	22.40524	5.55339	1.04	0.0637	19497	1.41	8.3
4.200	-	427.53180	85.44199	0.51	0.0874	12786	3.29	128.3
4.333	-	7.17107	3.04768	0.70	0.0383	70767	1.25	4.6
4.487	-	288.44794	65.41679	2.12	0.0758	19385	1.58	98.3
4.585	-	1015.70508	305.44284	0.66	0.0511	44598	0.90	458.8
4.978	-	6.31552	1.64689	2.35	0.0484	58524	4.64	2.5
5.107	-	31.39867	9.34051	1.61	0.0476	63862	1.59	14.0
5.261	-	74.45211	18.17629	1.06	0.0617	40294	1.65	27.3
5.531	-	37.75761	7.88796	0.73	0.0733	31532	2.35	11.8
5.680	-	12.86421	5.26956	0.98	0.0410	106542	1.53	7.9
5.764	-	17.98913	4.13260	0.43	0.0783	30015	0.83	6.2
5.897	-	37.28085	14.40479	0.95	0.0448	96222	1.27	21.6
6.081	-	5.20208	1.39274	1.07	0.0677	44620	1.92	2.1
6.286	-	12.46522	2.18152	2.57	0.1239	14262	1.25	3.3
6.496	-	17.89233	6.86601	0.93	0.0456	112757	1.46	10.3
6.798	-	18.15109	4.72965	1.43	0.0563	80809	3.48	7.1

Signal 7: DAD1 G, Sig=265,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
2.100	2.700	0.2163	0.1175	-	-	-17.613

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000017.D
Sample Name: SPE trial 1

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.102	-	10.30159	2.42423	1.17	0.0675	1469	-	11.2
3.379	-	52.87304	16.38385	0.92	0.0518	23582	22.43	75.7
4.083	-	7.32626	2.21117	1.15	0.0652	21730	7.07	10.2
4.198	-	249.27254	75.70652	0.68	0.0495	39830	1.17	350.0
4.332	-	13.32368	5.16671	0.86	0.0425	57691	1.72	23.9
4.452	-	183.04553	50.73087	0.62	0.0573	33412	1.41	234.5
4.629	-	531.29462	172.19308	1.23	0.0497	47999	1.95	796.1
5.268	-	71.76275	22.97097	1.02	0.0513	58297	7.43	106.2
5.532	-	21.92567	4.99470	0.56	0.0733	31532	2.48	23.1
5.683	-	6.37340	2.39968	1.04	0.0462	84078	1.48	11.1
5.896	-	31.19606	11.80280	0.96	0.0440	99358	2.78	54.6
6.084	-	5.43954	1.15025	1.98	0.0692	42890	1.95	5.3
6.496	-	7.48123	1.85619	1.07	0.0533	82099	3.95	8.6

*** End of Report ***

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000018.D
Sample Name: 0.5ppm

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Acq. Instrument : HPLC                             Location : Vial 16
Injection Date  : 3/18/2014 3:54:42 PM                 Inj :   1
                                                  Inj Volume : 95.000 µl
Acq. Method     : C:\CHEM32\1\METHODS\KENT METHODS\031814VJR1.M
Last changed    : 3/18/2014 10:38:14 AM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\DEF_LC.M
Last changed    : 3/18/2014 4:03:52 PM by SYSTEM
                  (modified after loading)
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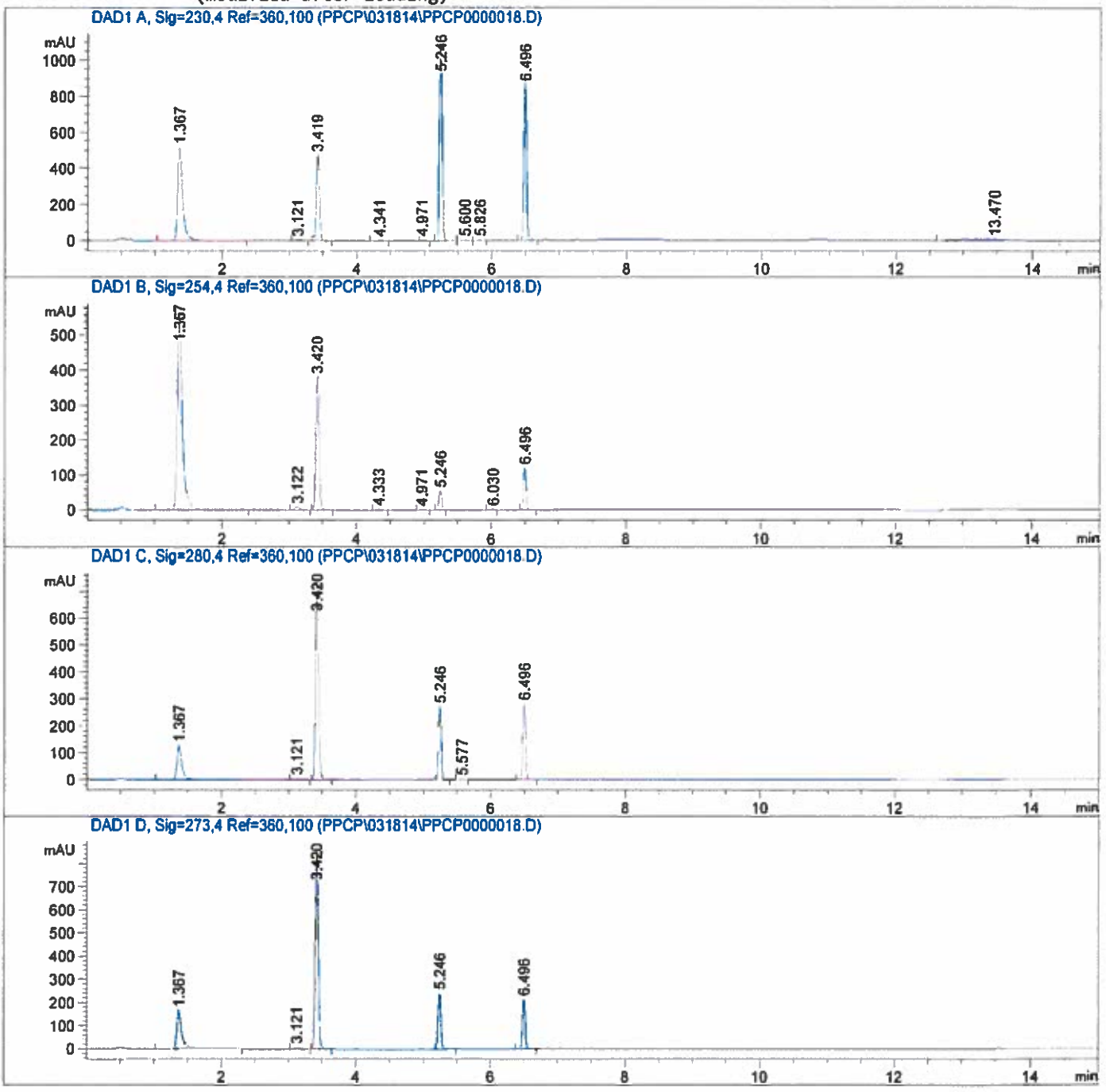
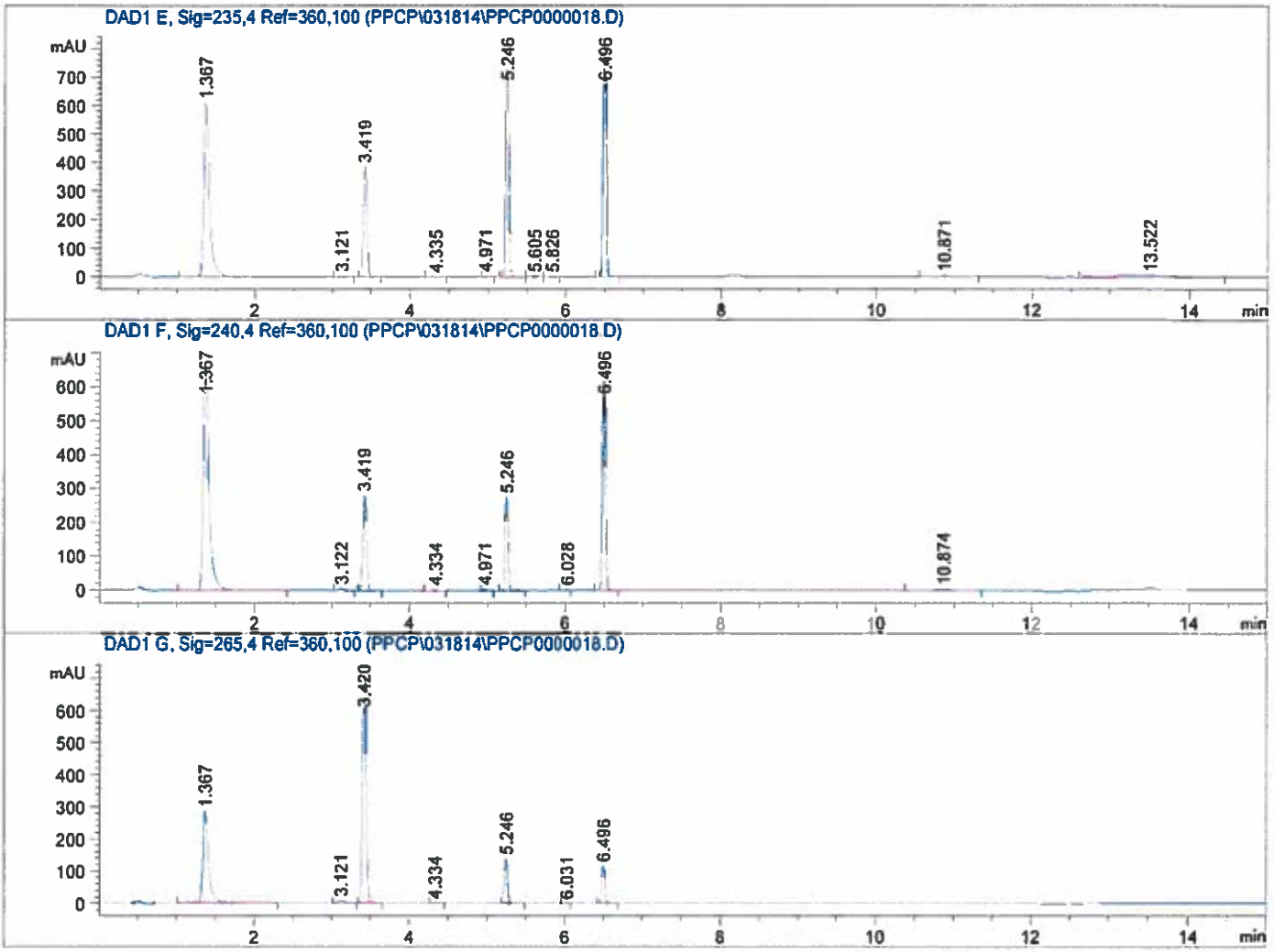


Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000018.D
Sample Name: 0.5ppm



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Area Percent Report

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Sorted By : Signal
Calib. Data Modified : 3/18/2014 4:02:10 PM
Multiplier : 1.0000
Dilution : 1.0000
Sample Amount: : 1.00000 [ng/ul] (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=230,4 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	1.315		0.0000	0.00000	0.0000	Acetaminophen
2	1.367	BB	0.0772	2707.91357	27.2938	?
3	3.121	BB	0.0754	14.03370	0.1414	?
4	3.419	BV	0.0492	1511.10132	15.2308	Caffeine
5	4.341	BB	0.0696	6.00739	0.0606	
6	4.971	BB	0.0457	12.30471	0.1240	?
7	5.246	BV	0.0439	3009.57861	30.3343	Bisphenol A

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000018.D
Sample Name: 0.5ppm

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
8	5.600	VB	0.0628	9.01664	0.0909	
9	5.826	BV	0.0526	8.47283	0.0854	?
10	6.496	VB	0.0443	2391.13721	24.1009	Triclosan
11	13.470	VB	0.7701	251.79547	2.5379	
Totals :				9921.36144		

Signal 2: DAD1 B, Sig=254,4 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	1.315		0.0000	0.00000	0.0000	Acetaminophen
2	1.367	BB	0.0770	2952.76270	62.6475	?
3	3.122	BB	0.0776	41.52889	0.8811	?
4	3.420	BB	0.0492	1216.13806	25.8023	Caffeine
5	4.333	BV	0.0519	8.65644	0.1837	
6	4.971	BB	0.0484	5.73988	0.1218	?
7	5.246	BV	0.0442	147.67511	3.1332	Bisphenol A
8	6.030	VB	0.0524	8.28747	0.1758	?
9	6.496	BB	0.0443	332.51181	7.0548	Triclosan
Totals :				4713.30035		

Signal 3: DAD1 C, Sig=280,4 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	1.367	BB	0.0771	658.52087	14.4534	?
2	3.121	BB	0.0771	16.85810	0.3700	?
3	3.420	BB	0.0493	2357.57813	51.7447	Caffeine
4	5.246	BB	0.0439	738.48431	16.2084	Bisphenol A
5	5.577	BB	0.0557	5.31092	0.1166	
6	6.496	BB	0.0443	779.42090	17.1069	Triclosan
Totals :				4556.17323		

Signal 4: DAD1 D, Sig=273,4 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	1.367	BB	0.0773	865.51056	17.6556	?
2	3.121	BB	0.0774	33.94890	0.6925	?
3	3.420	BB	0.0493	2747.83618	56.0534	Caffeine
4	5.246	BB	0.0440	660.73230	13.4783	Bisphenol A
5	6.496	BB	0.0443	594.14935	12.1201	Triclosan

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000018.D
Sample Name: 0.5ppm

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
Totals :				4902.17729		

Signal 5: DAD1 E, Sig=235,4 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	1.315		0.0000	0.00000	0.0000	Acetaminophen
2	1.367	BB	0.0770	3165.44238	35.5003	?
3	3.121	BB	0.0766	18.61935	0.2088	?
4	3.419	BB	0.0492	1229.89185	13.7932	Caffeine
5	4.335	BB	0.0624	5.64501	0.0633	
6	4.971	BB	0.0455	10.81810	0.1213	?
7	5.246	BV	0.0440	1986.35413	22.2769	Bisphenol A
8	5.605	VB	0.0618	6.43193	0.0721	
9	5.826	BV	0.0535	6.38402	0.0716	?
10	6.496	VB	0.0443	2220.62549	24.9042	Triclosan
11	10.871	BB	0.2319	17.61608	0.1976	?
12	13.522	VB	0.8230	248.83862	2.7907	?
Totals :				8916.66696		

Signal 6: DAD1 F, Sig=240,4 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	1.315		0.0000	0.00000	0.0000	Acetaminophen
2	1.367	BB	0.0771	3547.93750	51.0264	?
3	3.122	BB	0.0772	24.61510	0.3540	?
4	3.419	BB	0.0492	893.57178	12.8513	Caffeine
5	4.334	BB	0.0558	6.55097	0.0942	
6	4.971	BB	0.0455	9.14960	0.1316	?
7	5.246	BB	0.0442	755.13196	10.8603	Bisphenol A
8	6.028	VV	0.0603	5.04805	0.0726	?
9	6.496	BB	0.0443	1691.12598	24.3218	Triclosan
10	10.874	BB	0.2414	20.00628	0.2877	?
Totals :				6953.13721		

Signal 7: DAD1 G, Sig=265,4 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	1.315		0.0000	0.00000	0.0000	Acetaminophen
2	1.367	BB	0.0772	1501.07153	32.8906	?
3	3.121	BB	0.0775	44.59476	0.9771	?

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000018.D
Sample Name: 0.5ppm

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
4	3.420	BB	0.0493	2295.88062	50.3059	Caffeine
5	4.334	BB	0.0508	7.04386	0.1543	
6	5.246	BB	0.0441	384.81827	8.4319	Bisphenol A
7	6.031	BB	0.0476	5.71785	0.1253	?
8	6.496	BB	0.0443	324.71066	7.1149	Triclosan

Totals : 4563.83755

8 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)
Warning : Calibrated compound(s) not found
Warning : Invalid calibration curve, (Caffeine)
Warning : Invalid calibration curve
Warning : Invalid calibration curve, (Bisphenol A)
Warning : Invalid calibration curve
Warning : Invalid calibration curve, (Triclosan)
Warning : Invalid calibration curve

*** End of Report ***

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000019.D
Sample Name: 0.5ppm

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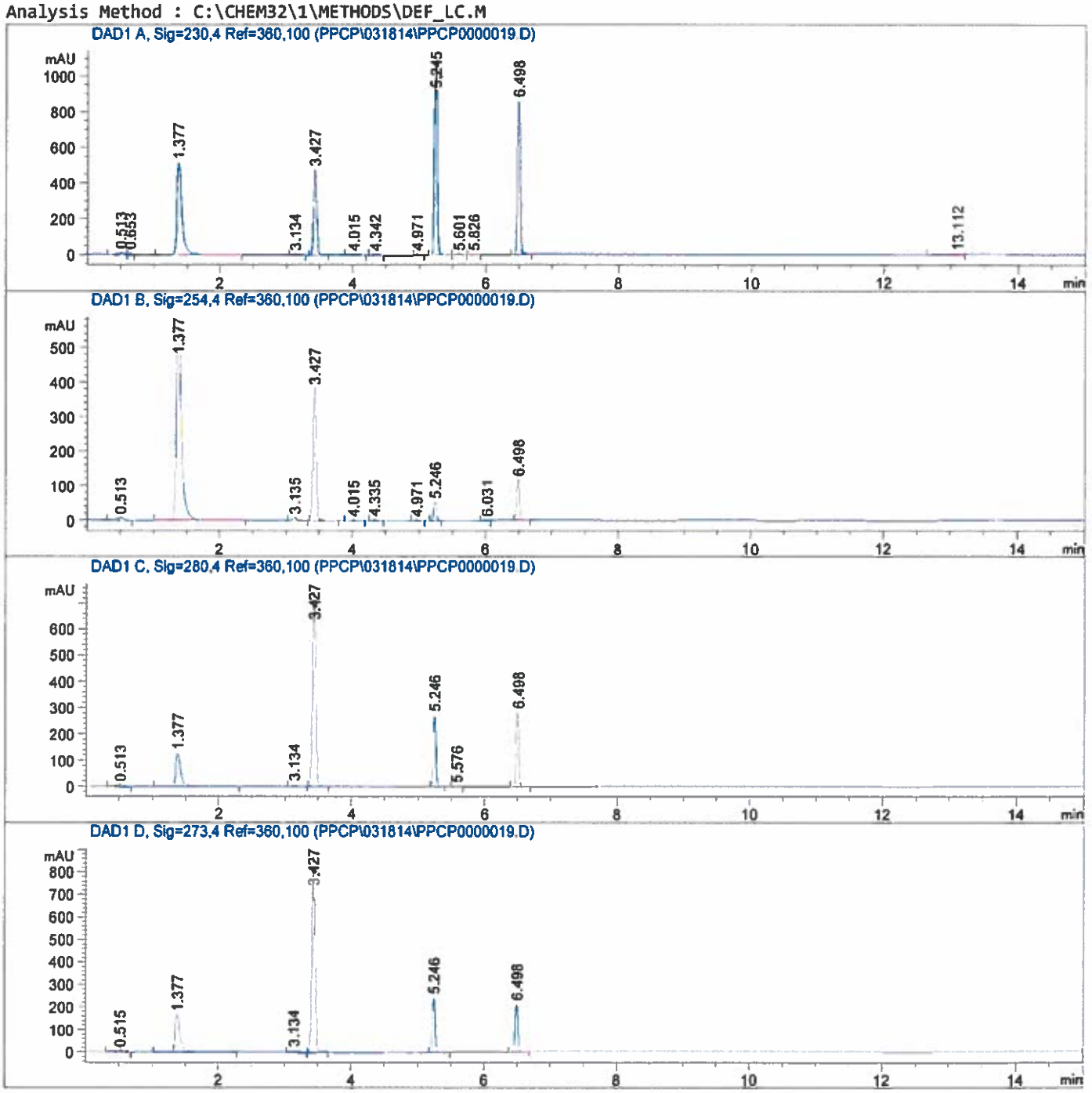
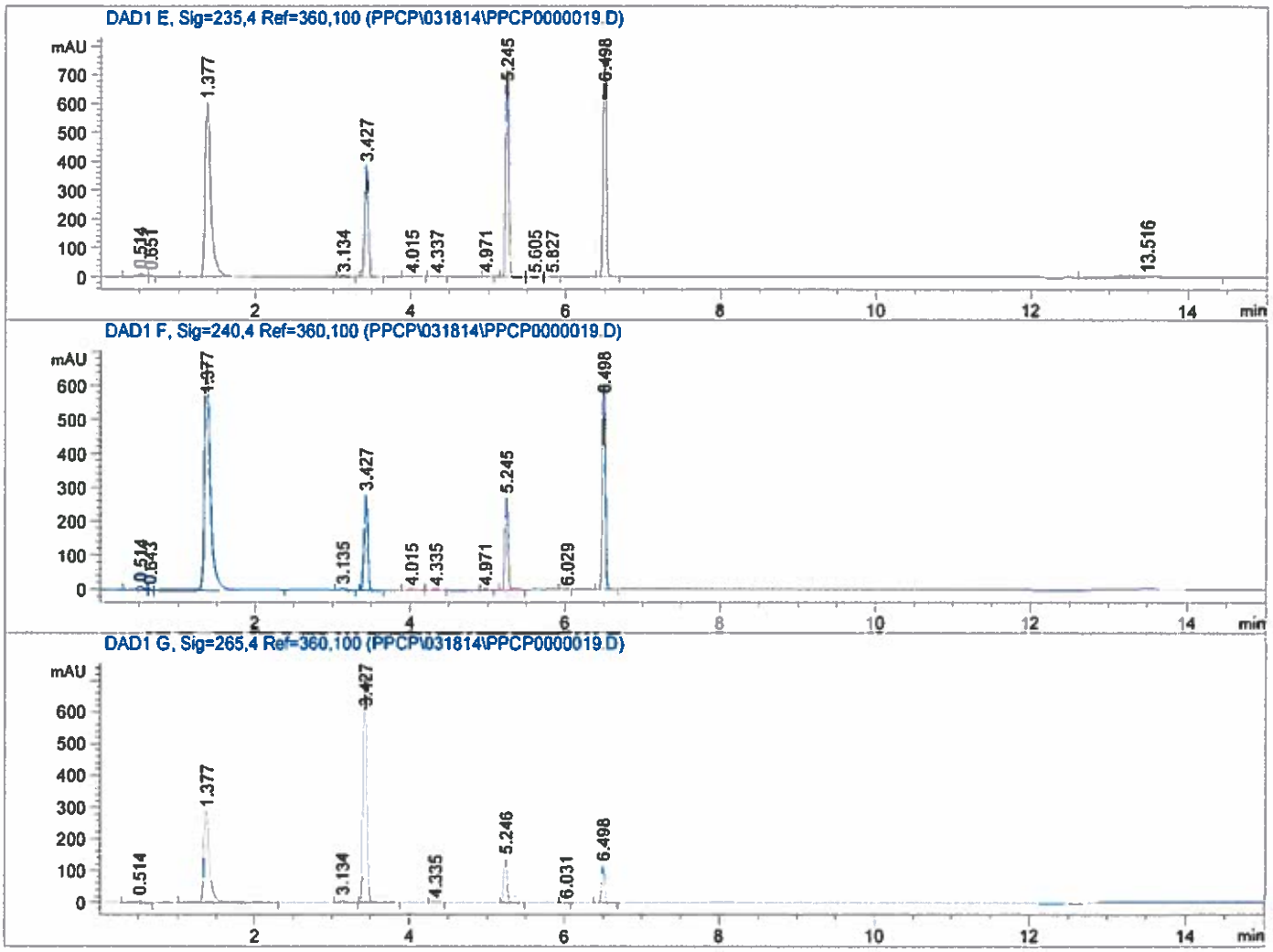
Acq. Operator : SYSTEM Seq. Line : 13
Acq. Instrument : HPLC Location : Vial 16
Injection Date : 3/18/2014 4:11:30 PM Inj : 2
Inj Volume : 95.000 µl
Acq. Method : C:\CHEM32\1\METHODS\KENT METHODS\031814VJR1.M
Last changed : 3/18/2014 10:38:14 AM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\DEF_LC.M



Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000019.D
Sample Name: 0.5ppm



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Area Percent Report

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Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000
Sample Amount: : 1.00000 [ng/ul] (not used in calc.)
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=230,4 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.513	BV	0.0098	80.88081	12.13442	0.8242
2	0.653	VB	0.0465	29.13486	9.84161	0.2969
3	1.377	BB	0.0795	2708.71387	513.63422	27.6014
4	3.134	BB	0.0757	14.01272	2.83098	0.1428
5	3.427	BV	0.0490	1510.07690	476.34500	15.3875
6	4.015	BB	0.0736	5.54218	1.08538	0.0565
7	4.342	BB	0.0652	5.65014	1.28873	0.0576
8	4.971	BB	0.0458	11.19538	3.86636	0.1141

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000019.D
Sample Name: 0.5ppm

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
9	5.245	BV	0.0439	3013.29492	1100.46729	30.7050
10	5.601	VB	0.0646	9.02585	2.26132	0.0920
11	5.826	BV	0.0525	7.84831	2.25929	0.0800
12	6.498	VB	0.0443	2388.83521	862.49860	24.3419
13	13.112	BB	0.3632	29.47953	1.03232	0.3004
Totals :				9813.69068	2989.54550	

Signal 2: DAD1 B, Sig=254,4 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.513	BB	0.1057	63.66273	8.67150	1.3313
2	1.377	BB	0.0793	2952.28345	561.93585	61.7394
3	3.135	BB	0.0770	41.16154	8.13946	0.8608
4	3.427	BB	0.0490	1217.06421	383.39032	25.4517
5	4.015	BB	0.0618	5.65796	1.38059	0.1183
6	4.335	BV	0.0534	8.49555	2.51545	0.1777
7	4.971	BB	0.0465	5.23357	1.76823	0.1094
8	5.246	BV	0.0442	147.89635	53.65273	3.0929
9	6.031	VB	0.0503	8.44793	2.57252	0.1767
10	6.498	BB	0.0444	331.94641	119.68697	6.9418
Totals :				4781.84970	1143.71360	

Signal 3: DAD1 C, Sig=280,4 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.513	BB	0.1075	43.79204	5.83747	0.9523
2	1.377	BB	0.0795	658.79651	125.06117	14.3265
3	3.134	BB	0.0765	16.80527	3.34939	0.3655
4	3.427	BB	0.0490	2355.42261	742.02386	51.2221
5	5.246	BB	0.0439	739.48383	270.77664	16.0811
6	5.576	BB	0.0559	5.27801	1.46946	0.1148
7	6.498	BB	0.0443	778.87384	281.24750	16.9377
Totals :				4598.45210	1429.76551	

Signal 4: DAD1 D, Sig=273,4 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.515	BB	0.1133	54.76494	6.99437	1.1053
2	1.377	BB	0.0797	865.46136	163.72424	17.4667

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000019.D
Sample Name: 0.5ppm

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
3	3.134	BB	0.0769	33.81214	6.70287	0.6824
4	3.427	BB	0.0491	2745.51294	864.50787	55.4099
5	5.246	BB	0.0440	661.58746	241.10580	13.3521
6	6.498	BB	0.0443	593.77576	214.29396	11.9836
Totals :				4954.91460	1497.32912	

Signal 5: DAD1 E, Sig=235,4 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.514	BV	0.1008	78.49646	11.62580	0.8722
2	0.651	VB	0.0469	20.01848	6.68656	0.2224
3	1.377	BB	0.0793	3167.01685	602.67432	35.1911
4	3.134	BB	0.0761	18.31436	3.67854	0.2035
5	3.427	BB	0.0490	1228.72217	387.76126	13.6533
6	4.015	BB	0.0679	5.50537	1.19117	0.0612
7	4.337	BV	0.0650	6.02381	1.37802	0.0669
8	4.971	BB	0.0455	9.82459	3.41757	0.1092
9	5.245	BV	0.0440	1988.88586	724.64172	22.1000
10	5.605	VB	0.0616	6.47411	1.58821	0.0719
11	5.827	BV	0.0539	5.96227	1.66096	0.0663
12	6.498	VB	0.0443	2218.43091	801.08350	24.6507
13	13.516	VB	0.8190	245.80188	3.77842	2.7313
Totals :				8999.47712	2551.16604	

Signal 6: DAD1 F, Sig=240,4 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.514	BV	0.1042	80.22754	11.38252	1.1242
2	0.643	VB	0.0459	10.89147	3.74610	0.1526
3	1.377	BB	0.0812	3657.22070	675.55524	51.2496
4	3.135	BB	0.0767	24.33834	4.83489	0.3411
5	3.427	BB	0.0490	892.67407	281.74722	12.5093
6	4.015	BB	0.0632	5.64308	1.33715	0.0791
7	4.335	BV	0.0594	6.85052	1.76047	0.0960
8	4.971	BB	0.0456	8.29162	2.88085	0.1162
9	5.245	BV	0.0442	755.71924	274.01065	10.5901
10	6.029	VB	0.0578	5.06110	1.28871	0.0709
11	6.498	BB	0.0443	1689.18091	610.08795	23.6709
Totals :				7136.09859	1868.63174	

Data File C:\CHEM32\1\DATA\PPCP\031814\PPCP0000019.D
Sample Name: 0.5ppm

Signal 7: DAD1 G, Sig=265,4 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	0.514	BB	0.1118	60.36320	7.84581	1.3045
2	1.377	BB	0.0795	1500.72693	284.47122	32.4331
3	3.134	BB	0.0769	44.37904	8.78445	0.9591
4	3.427	BB	0.0491	2298.97510	722.25549	49.6845
5	4.335	BB	0.0524	6.95724	2.11319	0.1504
6	5.246	BB	0.0441	385.36624	140.01778	8.3284
7	6.031	BB	0.0455	5.77178	2.01110	0.1247
8	6.498	BB	0.0444	324.60788	117.03768	7.0153
Totals :				4627.14741	1284.53672	

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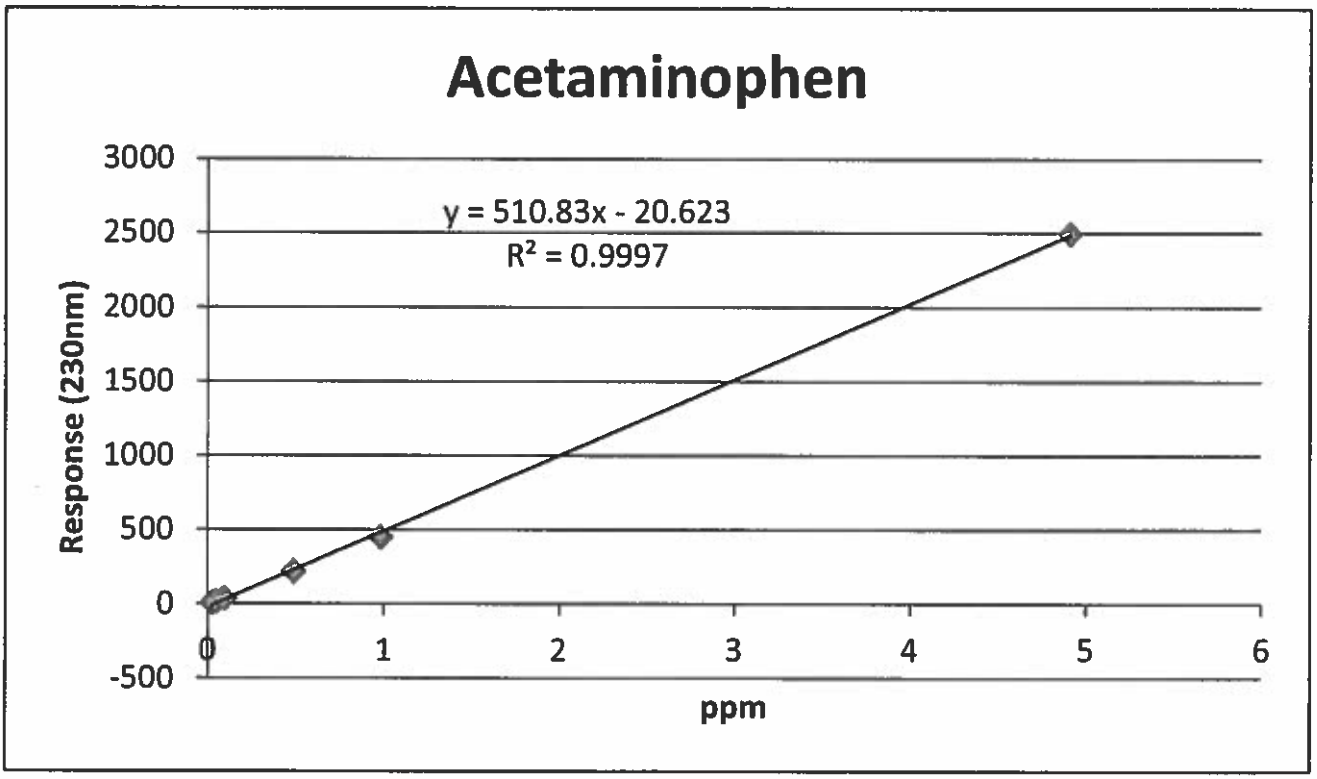
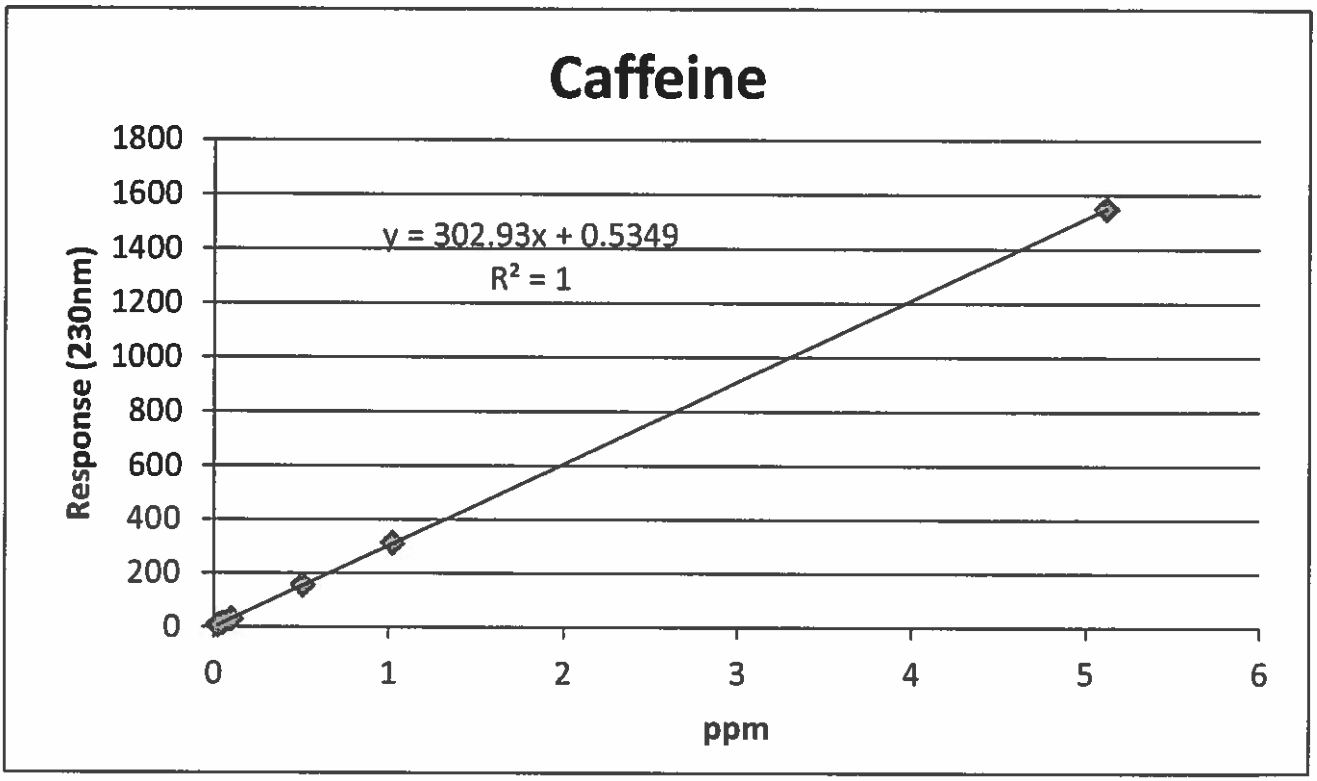
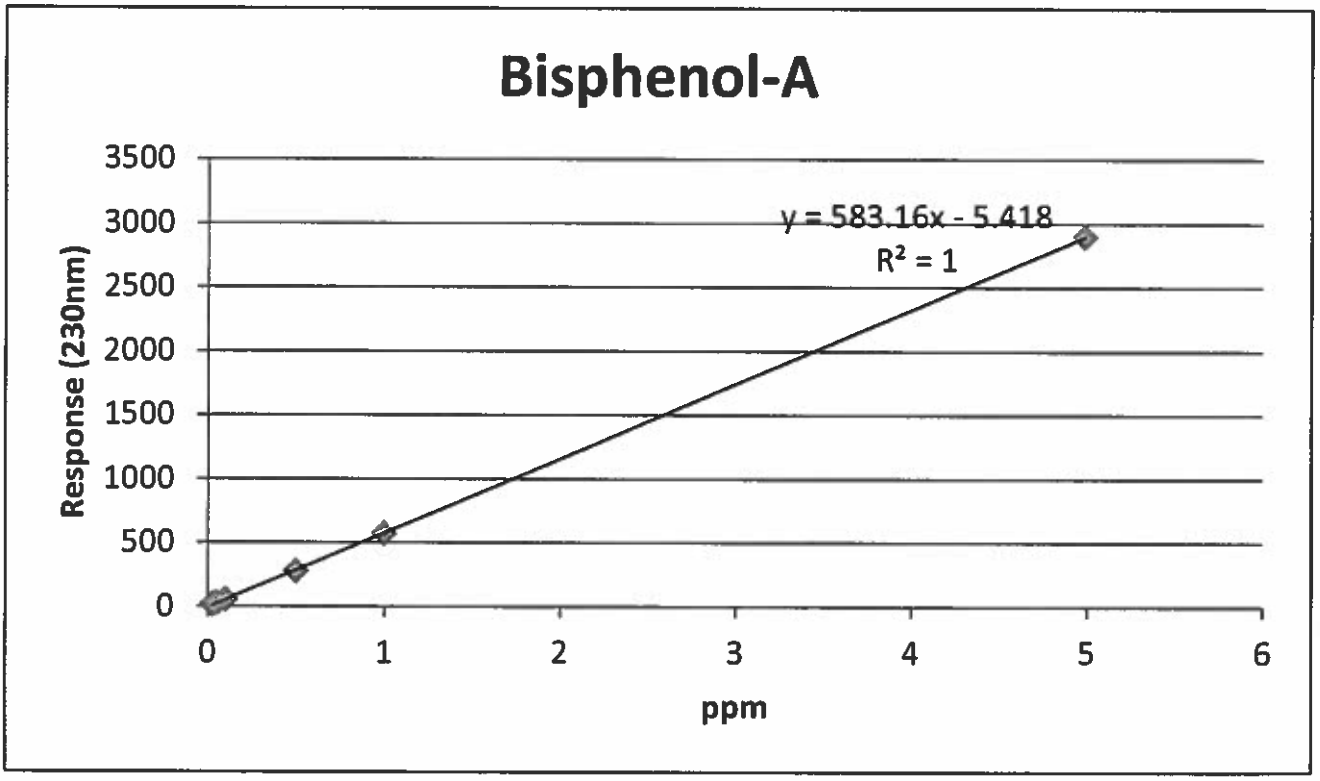
*** End of Report ***

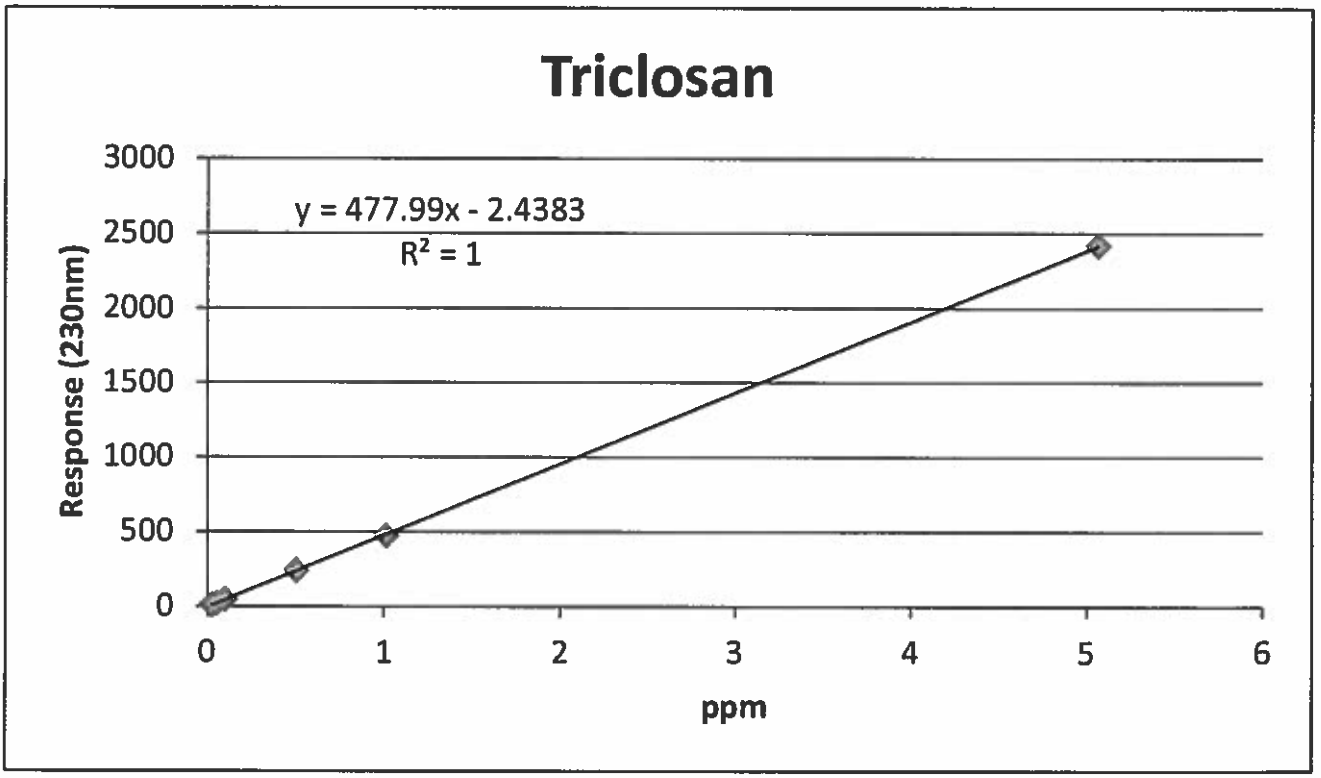
Appendix D

Data Sheets 032114


Acetaminophen
y = 510.83x - 20.623
R² = 0.9997
Response (230nm)
3000
2500
2000
1500
1000
500
0
-500
0
1
2
3
4
5
6
ppm


Caffeine
Response (230nm)
1800
1600
1400
1200
1000
800
600
400
200
0
y = 302.93x + 0.5349
R² = 1
0
1
2
3
4
5
6
ppm


Bisphenol-A
Response (230nm)
3500
3000
2500
2000
1500
1000
500
0
0
1
2
3
4
5
6
ppm
y = 583.16x - 5.418
R² = 1


Triclosan
y = 477.99x - 2.4383
R² = 1
Response (230nm)
3000
2500
2000
1500
1000
500
0
0
1
2
3
4
5
6
ppm

Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000001.D
Sample Name: di H20

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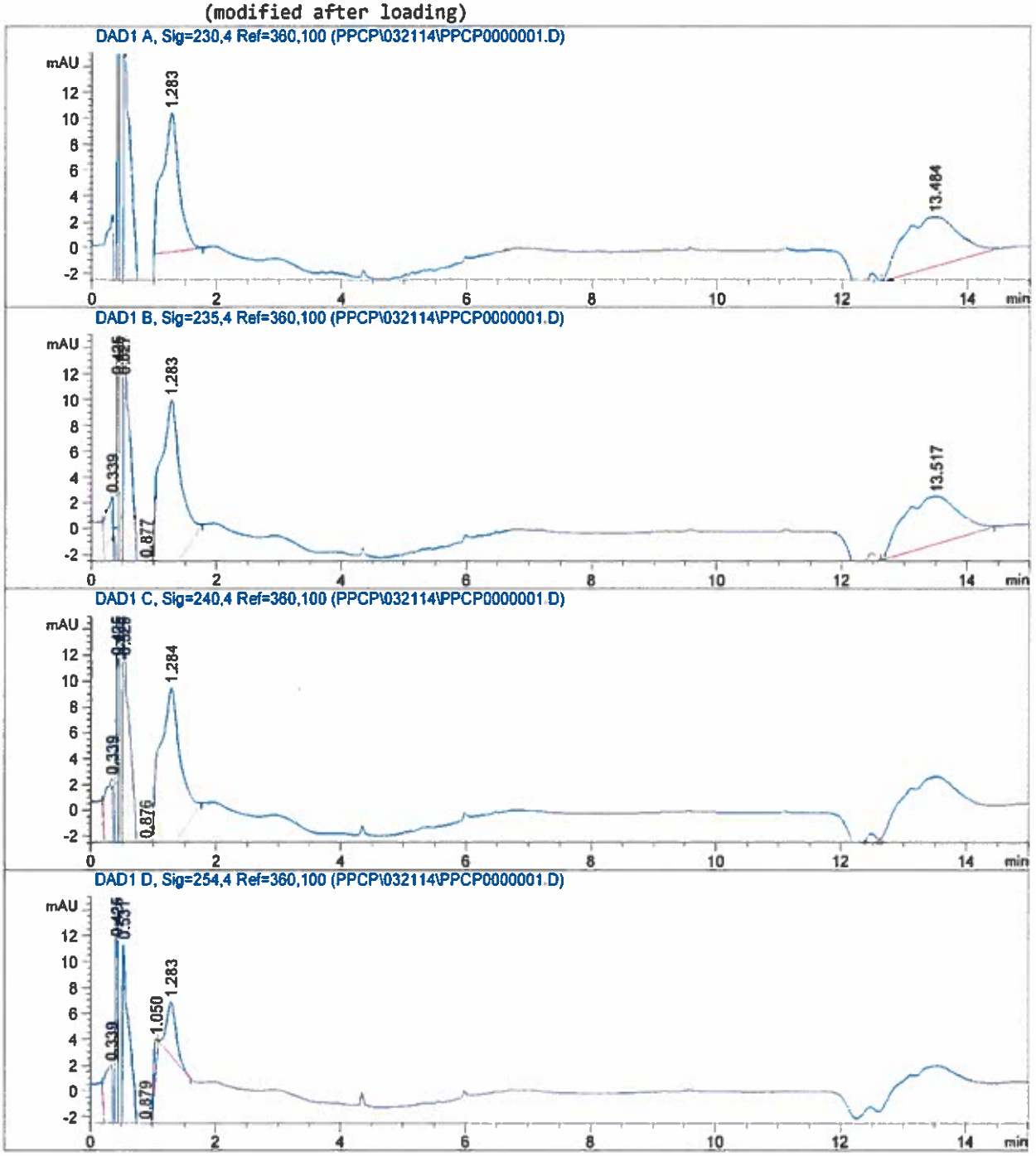
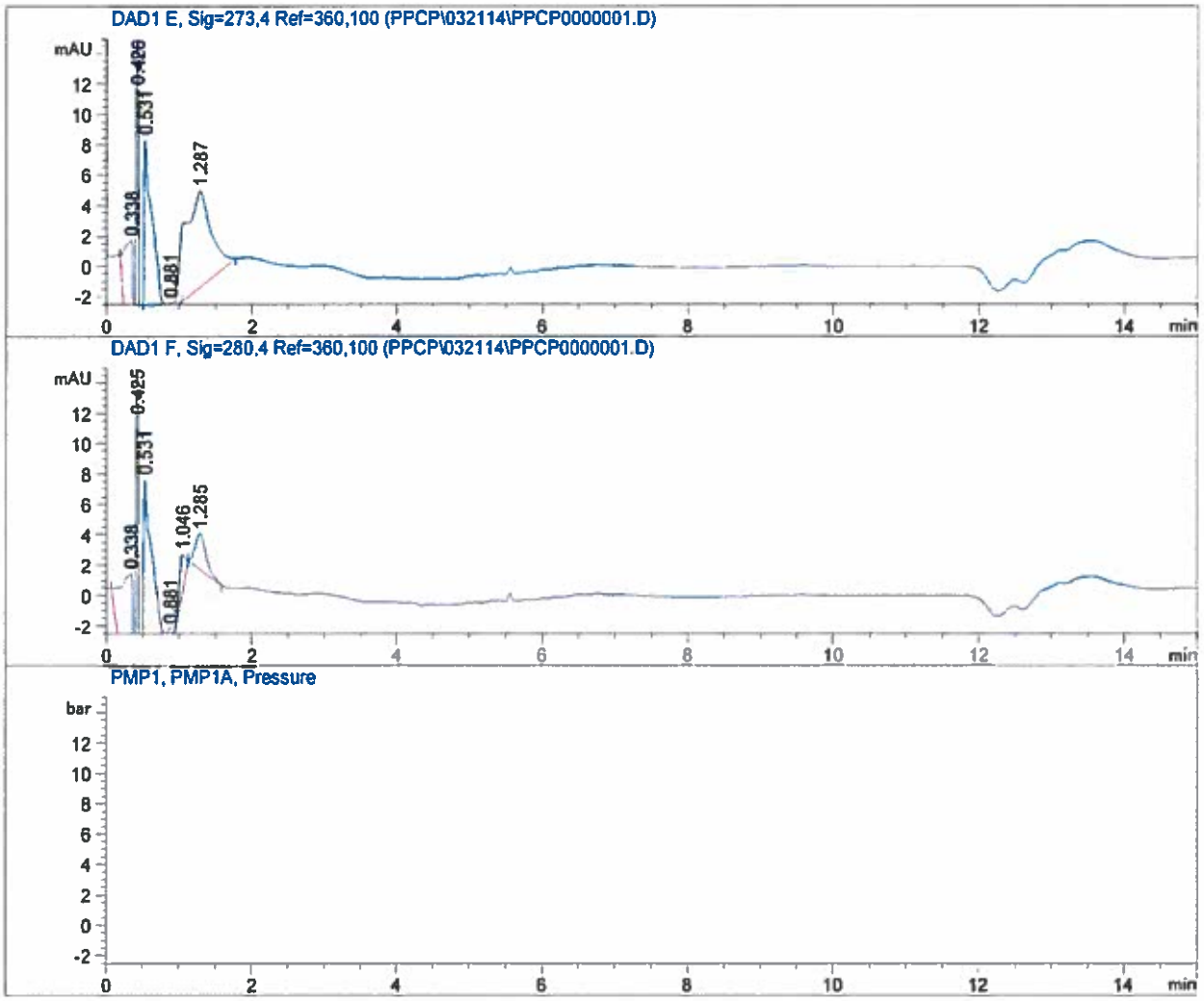
Acq. Operator : SYSTEM Seq. Line : 1
Acq. Instrument : HPLC Location : Vial 1
Injection Date : 3/21/2014 11:51:21 AM Inj : 1
Inj Volume : 95.000 µl
Acq. Method : C:\CHEM32\1\METHODS\KENT METHODS\032114VJR1.M
Last changed : 3/21/2014 11:49:11 AM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\DEFAULT 1.M
Last changed : 3/22/2014 11:12:05 AM by SYSTEM
(modified after loading)



Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000001.D
Sample Name: di H20



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Area Percent Report with Performance and Noise

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Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=230,4 Ref=360,100

Noise determination:

Time range from [min]	Time range to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.800	2.400	0.5763	0.3863	-	-	-98.195

Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000001.D
Sample Name: di H20

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.283	-	203.09261	10.69442	1.31	0.3444	77	-	18.6
13.484	-	238.32156	3.80403	1.48	1.1133	813	9.83	6.6

Signal 2: DAD1 B, Sig=235,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.800	2.400	0.5661	0.3793	-	-	-97.554

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
0.339	-	106.86407	16.60620	2.87	0.1824	19	-	29.3
0.425	-	184.25327	61.88804	0.75	0.0495	413	0.43	109.3
0.527	-	650.01685	59.87051	0.17	0.2985	17	0.34	105.8
0.877	-	53.00392	5.93838	3.68	0.1328	244	0.96	10.5
1.283	-	322.92352	13.40038	1.37	0.4178	52	0.87	23.7
13.517	-	228.89171	3.64472	1.62	1.1067	826	9.43	6.4

Signal 3: DAD1 C, Sig=240,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.800	2.400	0.5544	0.3666	-	-	-98.154

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
0.339	-	102.23456	15.72751	2.81	0.1824	19	-	28.4
0.425	-	177.19028	59.11365	0.75	0.0502	401	0.44	106.6
0.529	-	630.63989	57.03713	0.18	0.2953	18	0.35	102.9
0.876	-	53.94308	5.86439	3.85	0.1336	237	0.95	10.6
1.284	-	302.03351	12.48641	1.36	0.4200	52	0.87	22.5

Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000001.D
Sample Name: di H20

Signal 4: DAD1 D, Sig=254,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.800	2.400	0.3800	0.2589	-	-	-63.951

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
0.339	-	84.82047	12.98300	2.80	0.1818	19	-	34.2
0.425	-	143.96768	48.07762	0.74	0.0496	410	0.44	126.5
0.531	-	493.10037	44.16639	0.18	0.2939	18	0.36	116.2
0.879	-	46.15670	4.94100	3.75	0.1395	221	0.94	13.0
1.050	-	10.64087	2.02038	4.15	0.0571	1885	1.02	5.3
1.283	-	45.34702	4.13441	0.80	0.1700	314	1.20	10.9

Signal 5: DAD1 E, Sig=273,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.800	2.400	0.3052	0.2030	-	-	-53.925

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
0.338	-	61.19385	9.28357	2.66	0.1824	19	-	30.4
0.426	-	104.76350	34.61325	0.75	0.0504	398	0.45	113.4
0.531	-	351.80438	32.26292	0.19	0.2904	19	0.36	105.7
0.881	-	29.50157	2.72010	5.60	-	-	1.49	8.9
1.287	-	158.77914	6.30661	1.39	0.4467	46	1.11	20.7

Signal 6: DAD1 F, Sig=280,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.800	2.400	0.2179	0.1486	-	-	-38.192

Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000001.D
Sample Name: di H20

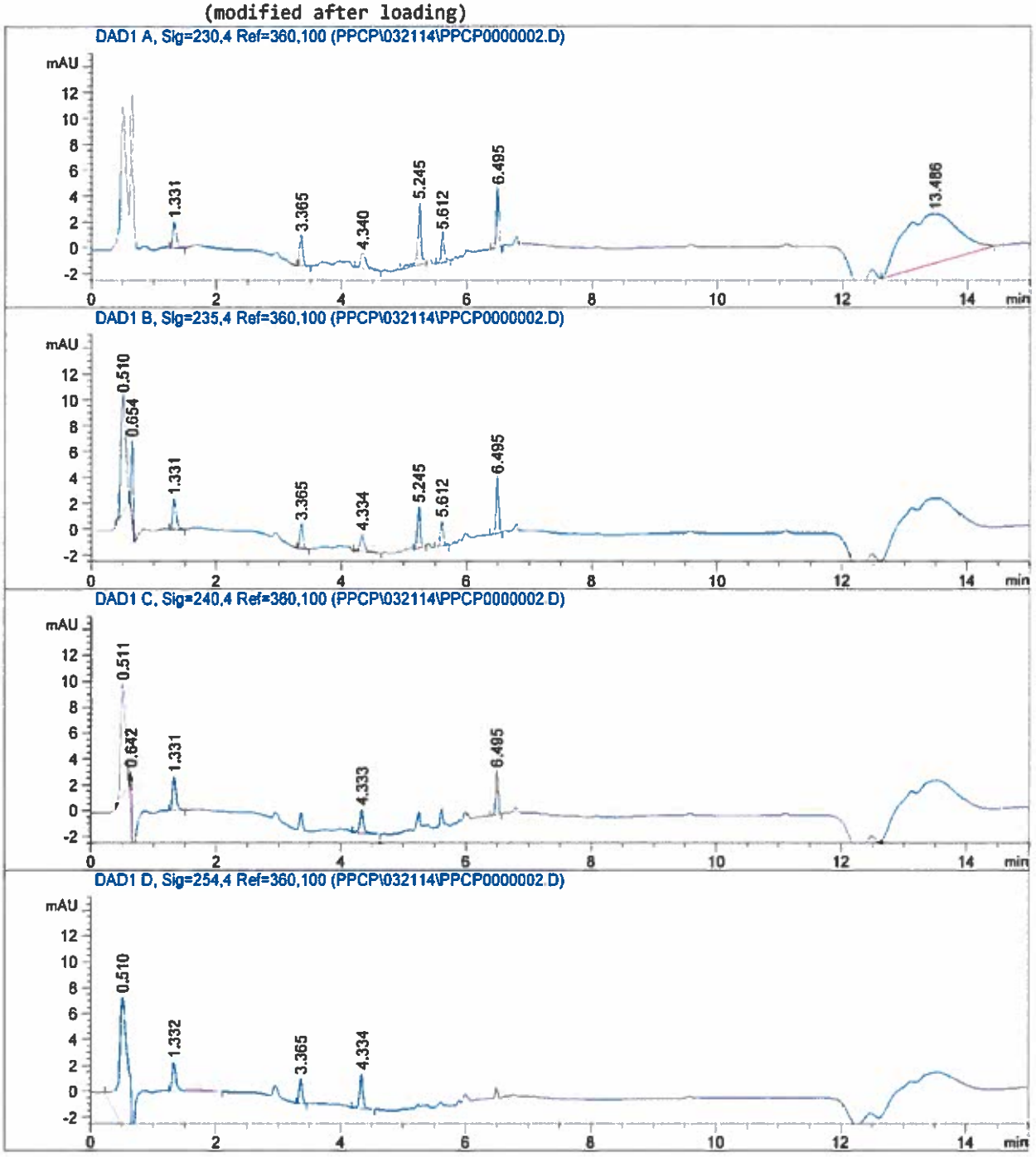
RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
0.338	-	88.69114	9.25609	4.61	0.2967	7	-	42.5
0.425	-	95.25329	31.55890	0.74	0.0500	404	0.30	144.8
0.531	-	319.46945	29.11107	0.19	0.2944	18	0.36	133.6
0.881	-	27.90940	2.85762	4.25	0.1351	235	0.96	13.1
1.046	-	13.42909	2.46283	1.35	0.1101	501	0.79	11.3
1.285	-	24.26021	2.32171	0.72	0.1617	351	1.03	10.7

*** End of Report ***

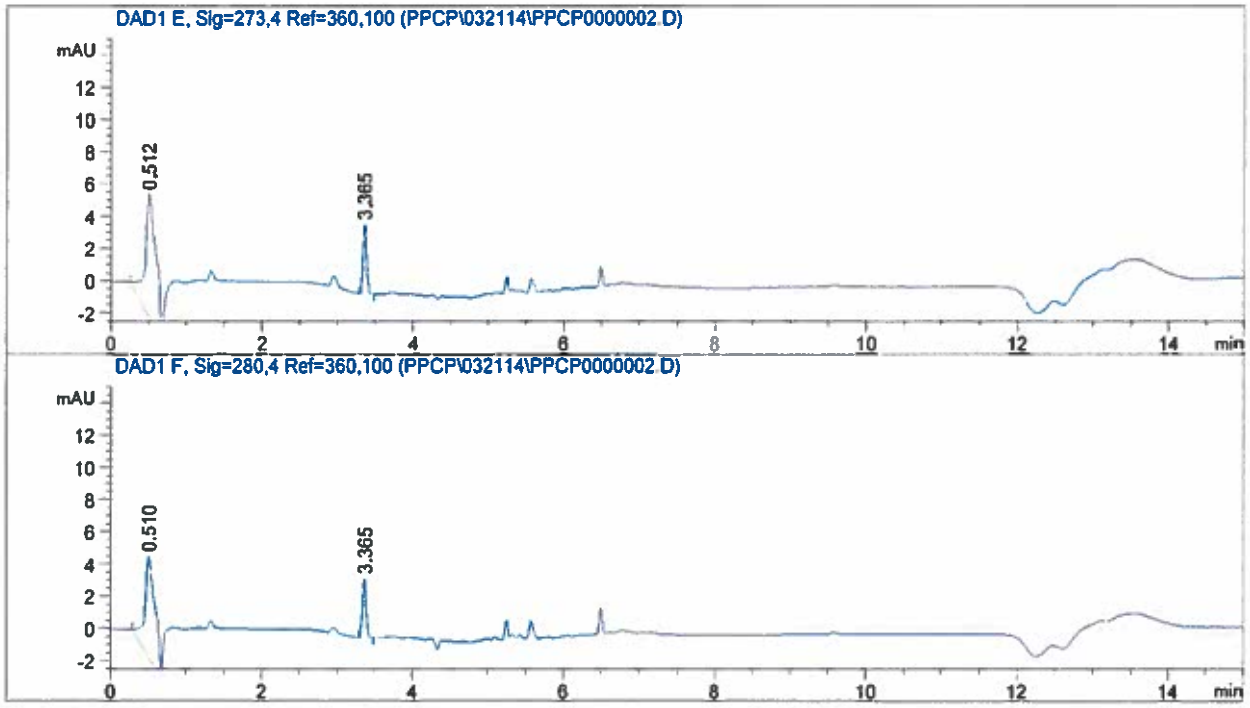
Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000002.D
Sample Name: 0.025ppm

==========

Acq. Operator : SYSTEM Seq. Line : 2
Acq. Instrument : HPLC Location : Vial 11
Injection Date : 3/21/2014 12:08:09 PM Inj : 1
Inj Volume : 95.000 µl
Acq. Method : C:\CHEM32\1\METHODS\KENT METHODS\032114VJR1.M
Last changed : 3/21/2014 11:49:11 AM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\DEFAULT 1.M
Last changed : 3/22/2014 11:12:05 AM by SYSTEM
(modified after loading)



Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000002.D
Sample Name: 0.025ppm



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Area Percent Report with Performance and Noise
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Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=230,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.800	2.400	0.1147	6.660e-2	-	-	-26.643

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.331	-	8.08945	1.96100	0.72	0.0637	2412	-	17.1
3.365	-	7.65877	2.31948	0.90	0.0533	22021	20.42	20.2
4.340	-	7.19538	1.12708	0.53	0.0844	14650	8.32	9.8
5.245	-	17.21773	4.74060	1.33	0.0467	69915	8.11	41.3
5.612	-	7.01450	2.24048	0.93	0.0467	80037	4.61	19.5
6.495	-	12.85041	4.61363	1.01	0.0462	109299	11.18	40.2
13.486	-	235.48126	3.74792	1.51	1.1133	812	7.08	32.7

Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000002.D
Sample Name: 0.025ppm

Signal 2: DAD1 B, Sig=235,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.800	2.400	8.303e-2	4.711e-2	-	-	-21.090

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
0.510	-	47.04259	8.96108	0.68	0.0889	182	-	107.9
0.654	-	13.78303	5.78530	0.73	0.0405	1454	1.31	69.7
1.331	-	9.62114	2.30711	0.71	0.0635	2427	7.65	27.8
3.365	-	6.16095	1.87919	0.91	0.0527	22582	20.57	22.6
4.334	-	6.89106	1.34040	0.68	0.0644	25077	9.72	16.1
5.245	-	10.01165	3.17754	1.01	0.0473	68134	9.58	38.3
5.612	-	6.17198	1.93354	0.85	0.0467	80037	4.59	23.3
6.495	-	12.09076	4.31621	1.02	0.0460	110475	11.20	52.0

Signal 3: DAD1 C, Sig=240,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.800	2.400	7.569e-2	4.652e-2	-	-	-16.239

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
0.511	-	45.63947	8.56939	0.67	0.0904	176	-	113.2
0.642	-	5.85510	2.62566	0.35	0.0348	1884	1.23	34.7
1.331	-	10.81906	2.58308	0.71	0.0633	2446	8.26	34.1
4.333	-	7.91283	1.83014	0.86	0.0567	32434	29.41	24.2
6.495	-	9.51176	3.37205	1.02	0.0453	113748	24.90	44.6

Signal 4: DAD1 D, Sig=254,4 Ref=360,100

Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000002.D
Sample Name: 0.025ppm

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.800	2.400	4.385e-2	2.615e-2	-	-	-8.081

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
0.510	-	100.22173	10.04302	0.67	0.1317	83	-	229.0
1.332	-	9.94205	2.15879	0.59	0.0656	2274	4.89	49.2
3.365	-	6.23437	1.88069	0.91	0.0533	22021	20.09	42.9
4.334	-	9.79595	2.65467	0.97	0.0533	36615	10.67	60.5

Signal 5: DAD1 E, Sig=273,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.800	2.400	2.888e-2	2.131e-2	-	-	-5.169

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
0.512	-	77.18726	7.60400	0.65	0.1400	75	-	263.3
3.365	-	14.34719	4.28791	0.91	0.0533	22021	17.34	148.5

Signal 6: DAD1 F, Sig=280,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.800	2.400	2.411e-2	1.709e-2	-	-	-3.983

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
0.510	-	59.82590	6.24039	0.58	0.1300	85	-	258.9
3.365	-	12.25785	3.66177	0.91	0.0540	21481	18.23	151.9

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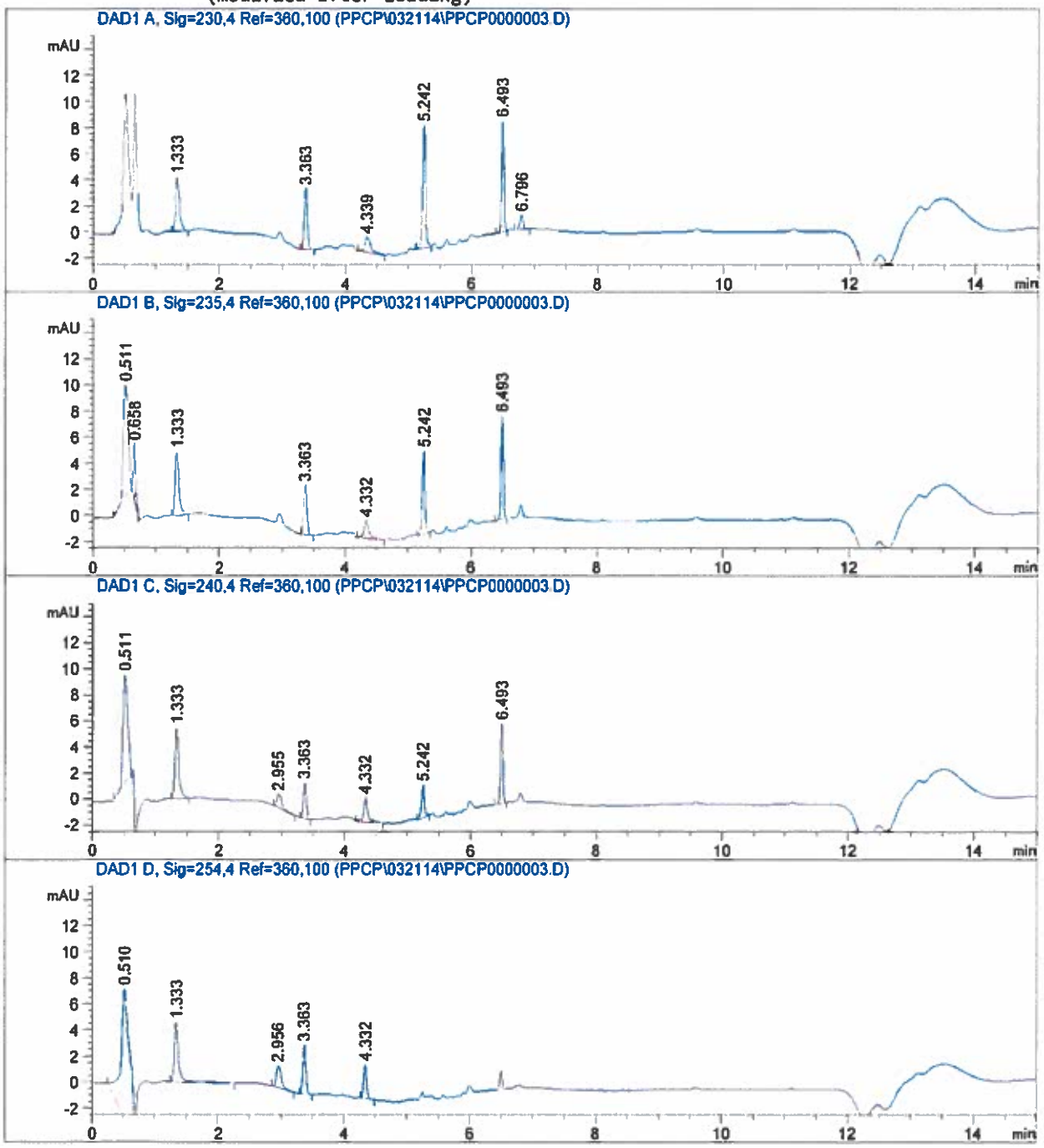
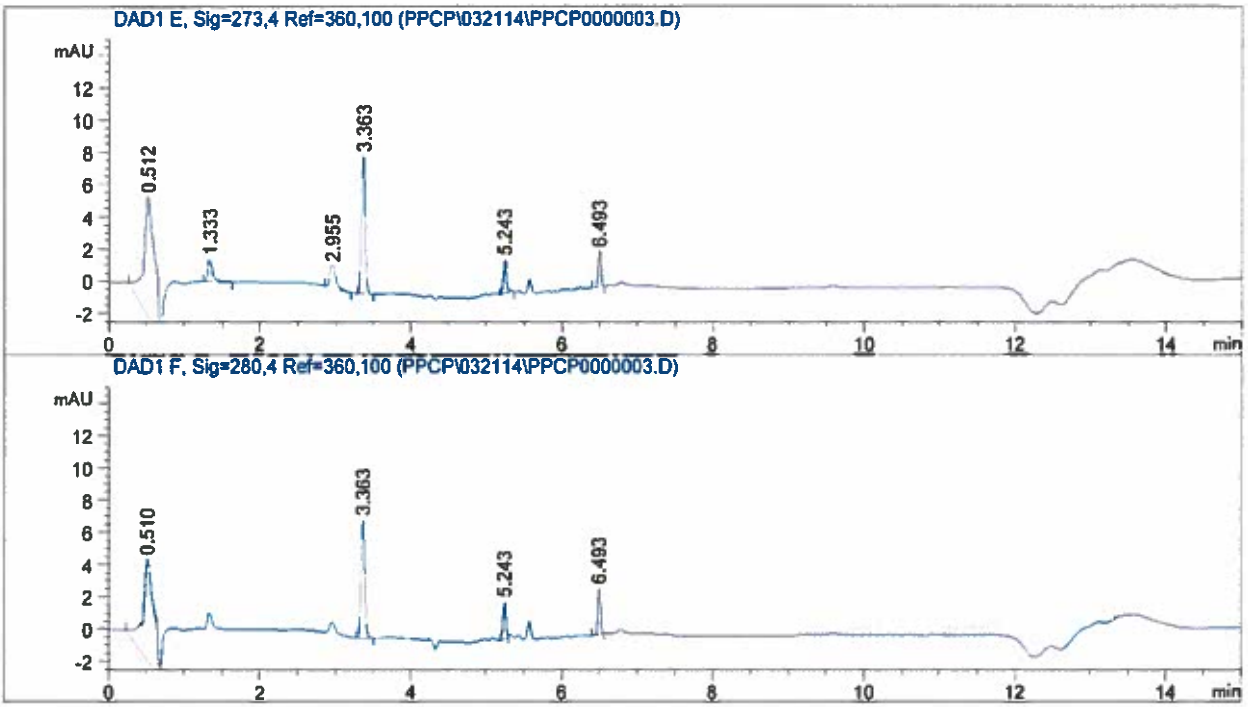
Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000003.D
Sample Name: 0.05ppm

==========

Acq. Operator : SYSTEM Seq. Line : 3
Acq. Instrument : HPLC Location : Vial 12
Injection Date : 3/21/2014 12:24:57 PM Inj : 1
Inj Volume : 95.000 µl
Acq. Method : C:\CHEM32\1\METHODS\KENT METHODS\032114VJR1.M
Last changed : 3/21/2014 11:49:11 AM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\DEFAULT 1.M
Last changed : 3/22/2014 11:12:05 AM by SYSTEM
(modified after loading)



Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000003.D
Sample Name: 0.05ppm



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Area Percent Report with Performance and Noise

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Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=230,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.800	2.400	0.1317	7.364e-2	-	-	-28.381

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.333	-	17.16104	4.09572	0.71	0.0642	2380	-	31.1
3.363	-	15.46221	4.64167	0.90	0.0533	22032	20.30	35.3
4.339	-	7.31964	1.14335	0.52	0.0856	14234	8.25	8.7
5.242	-	27.18164	9.37016	0.99	0.0453	74112	8.11	71.2
6.493	-	23.49720	8.49859	0.98	0.0466	107471	15.99	64.5
6.796	-	4.03485	1.11139	1.10	0.0548	85174	3.51	8.4

Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000003.D
Sample Name: 0.05ppm

Signal 2: DAD1 B, Sig=235,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.800	2.400	0.1017	5.826e-2	-	-	-22.600

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
0.511	-	45.46405	8.65819	0.68	0.0874	189	-	85.2
0.658	-	11.01251	4.08191	0.71	0.0443	1218	1.31	40.1
1.333	-	20.33730	4.82012	0.70	0.0640	2393	7.32	47.4
3.363	-	12.47454	3.76635	0.90	0.0533	22032	20.33	37.0
4.332	-	6.89526	1.34275	0.67	0.0644	25010	9.67	13.2
5.242	-	18.30704	6.33830	0.98	0.0461	71790	9.67	62.3
6.493	-	21.96441	7.92564	0.98	0.0461	109987	15.95	77.9

Signal 3: DAD1 C, Sig=240,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.800	2.400	9.039e-2	5.245e-2	-	-	-17.720

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
0.511	-	44.00091	8.30880	0.65	0.0895	180	-	91.9
1.333	-	22.94393	5.39556	0.69	0.0638	2405	6.29	59.7
2.955	-	5.77106	1.04925	0.66	0.0789	7782	13.36	11.6
3.363	-	8.88176	2.71036	0.90	0.0527	22593	3.64	30.0
4.332	-	7.91092	1.83203	0.85	0.0556	33654	10.52	20.3
5.242	-	7.47096	2.46655	1.00	0.0461	71790	10.53	27.3
6.493	-	17.07138	6.13197	0.98	0.0455	112939	16.05	67.8

Signal 4: DAD1 D, Sig=254,4 Ref=360,100

Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000003.D
Sample Name: 0.05ppm

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.800	2.400	4.884e-2	3.087e-2	-	-	-9.336

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
0.510	-	96.64240	9.80010	0.67	0.1283	87	-	200.6
1.333	-	20.83874	4.51070	0.59	0.0644	2360	5.02	92.4
2.956	-	8.96263	1.69049	0.74	0.0781	7941	13.38	34.6
3.363	-	12.50650	3.74329	0.90	0.0533	22032	3.64	76.6
4.332	-	8.49991	2.56488	0.87	0.0520	38413	10.81	52.5

Signal 5: DAD1 E, Sig=273,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.800	2.400	3.271e-2	2.232e-2	-	-	-5.966

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
0.512	-	74.05950	7.38082	0.66	0.1350	79	-	225.7
1.333	-	5.63469	1.30786	0.67	0.0643	2369	4.84	40.0
2.955	-	7.13463	1.36604	0.74	0.0762	8343	13.57	41.8
3.363	-	28.61462	8.52134	0.89	0.0533	22032	3.70	260.5
5.243	-	6.06960	2.06840	0.81	0.0448	75723	22.49	63.2
6.493	-	6.07867	2.18223	0.99	0.0461	109987	16.16	66.7

Signal 6: DAD1 F, Sig=280,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.800	2.400	1.769e-2	1.377e-2	-	-	-4.264

Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000003.D
Sample Name: 0.05ppm

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
0.510	-	64.40849	6.29260	0.72	0.1333	81	-	355.7
3.363	-	24.46489	7.28723	0.90	0.0533	22032	17.96	411.9
5.243	-	5.90153	2.25913	1.04	0.0439	79071	22.72	127.7
6.493	-	7.89726	2.83858	0.98	0.0461	109987	16.33	160.5

*** End of Report ***

Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000004.D
Sample Name: 0.1ppm

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Acq. Operator	: SYSTEM	Seq. Line	: 4
Acq. Instrument	: HPLC	Location	: Vial 13
Injection Date	: 3/21/2014 12:41:46 PM	Inj	: 1
		Inj Volume	: 95.000 µl

Acq. Method : C:\CHEM32\1\METHODS\KENT METHODS\032114VJR1.M
Last changed : 3/21/2014 11:49:11 AM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\DEFAULT 1.M
Last changed : 3/22/2014 11:19:00 AM by SYSTEM
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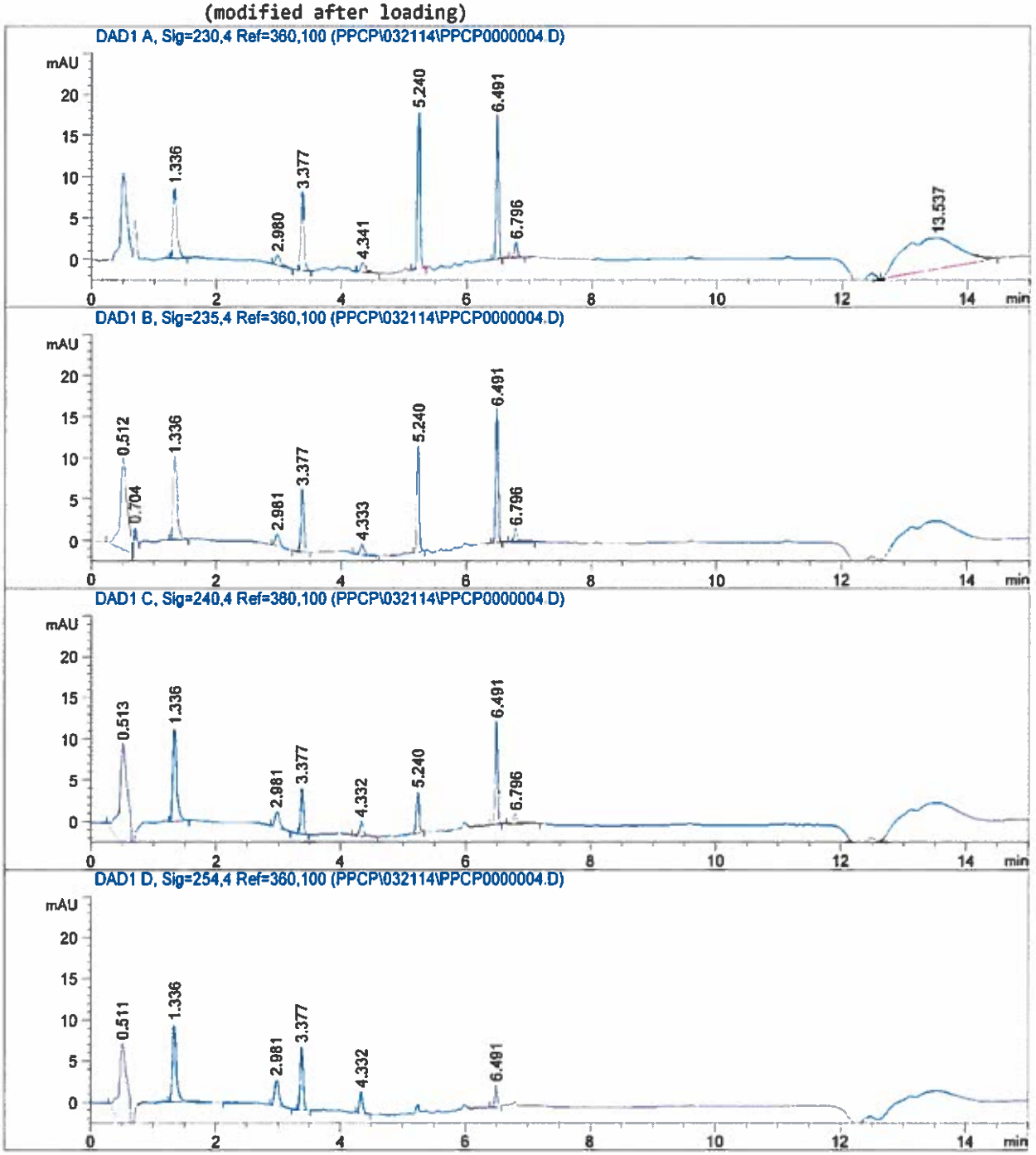
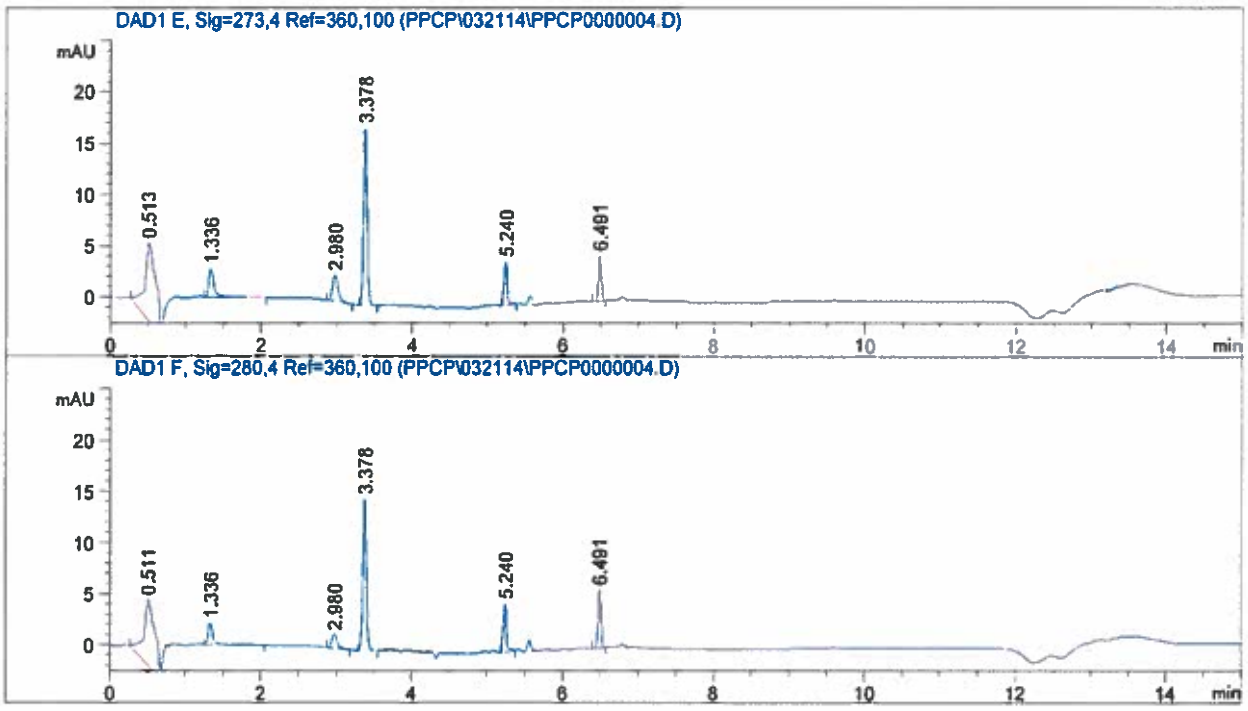


Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000004.D
Sample Name: 0.1ppm



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Area Percent Report with Performance and Noise

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Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=230,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.800	2.400	0.1464	9.190e-2	-	-	-26.636

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.336	-	36.21874	8.49607	0.69	0.0642	2399	-	58.1
2.980	-	6.66447	1.16731	0.64	0.0789	7915	13.50	8.0
3.377	-	31.09053	9.43894	0.90	0.0527	22753	3.55	64.5
4.341	-	6.64749	1.11454	0.52	0.0822	15448	8.40	7.6
5.240	-	53.10778	19.10900	0.95	0.0447	76298	8.32	130.6
6.491	-	47.97692	17.38892	0.97	0.0464	108307	16.15	118.8
6.796	-	6.18339	1.85281	1.07	0.0526	92484	3.62	12.7
13.537	-	239.17470	3.68845	1.80	1.1200	809	6.75	25.2

Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000004.D
Sample Name: 0.1ppm

Signal 2: DAD1 B, Sig=235,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.800	2.400	0.1267	7.675e-2	-	-	-21.176

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
0.512	-	86.84158	11.02929	0.72	0.1067	129	-	87.0
0.704	-	6.99172	2.68112	0.67	0.0471	1228	1.47	21.2
1.336	-	43.10212	10.00433	0.69	0.0642	2399	6.68	78.9
2.981	-	8.16364	1.49634	0.70	0.0790	7883	13.49	11.8
3.377	-	25.14540	7.67292	0.90	0.0527	22753	3.54	60.5
4.333	-	6.68993	1.32074	0.67	0.0648	24825	9.57	10.4
5.240	-	35.63067	12.90246	0.94	0.0455	73676	9.66	101.8
6.491	-	44.66170	16.17390	0.97	0.0461	109937	16.07	127.6
6.796	-	5.91869	1.58150	0.89	0.0511	97923	3.69	12.5

Signal 3: DAD1 C, Sig=240,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.800	2.400	0.1105	7.048e-2	-	-	-15.899

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
0.513	-	118.83240	12.44166	0.72	0.1267	92	-	112.6
1.336	-	48.73028	11.20460	0.68	0.0648	2355	5.06	101.4
2.981	-	10.41260	1.93748	0.74	0.0781	8077	13.52	17.5
3.377	-	18.12248	5.55324	0.91	0.0520	23340	3.58	50.3
4.332	-	7.77664	1.79566	0.83	0.0571	31886	10.28	16.3
5.240	-	14.04181	5.00786	0.93	0.0455	73676	10.39	45.3
6.491	-	34.43103	12.43620	0.97	0.0461	109937	16.06	112.6
6.796	-	5.41096	1.17476	0.68	0.0520	94604	3.66	10.6

Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000004.D
Sample Name: 0.1ppm

Signal 4: DAD1 D, Sig=254,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.800	2.400	6.891e-2	4.018e-2	-	-	-8.939

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
0.511	-	99.12891	10.08792	0.64	0.1333	83	-	146.4
1.336	-	42.77840	9.35795	0.61	0.0651	2329	4.89	135.8
2.981	-	16.33186	3.13305	0.78	0.0762	8486	13.67	45.5
3.377	-	25.00548	7.58997	0.90	0.0527	22753	3.62	110.1
4.332	-	8.49075	2.55373	0.86	0.0527	37537	10.65	37.1
6.491	-	7.36731	2.63243	0.97	0.0461	109937	25.69	38.2

Signal 5: DAD1 E, Sig=273,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.800	2.400	2.781e-2	1.538e-2	-	-	-5.540

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
0.513	-	78.42131	7.65145	0.71	0.1400	75	-	275.1
1.336	-	12.24880	2.71903	0.63	0.0656	2294	4.70	97.8
2.980	-	13.12723	2.54342	0.77	0.0762	8486	13.62	91.5
3.378	-	57.27970	17.27777	0.90	0.0527	22753	3.62	621.3
5.240	-	12.03378	4.20410	0.85	0.0448	75681	22.44	151.2
6.491	-	12.11805	4.38158	0.97	0.0461	109937	16.17	157.6

Signal 6: DAD1 F, Sig=280,4 Ref=360,100

Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000005.D
Sample Name: 0.5ppm

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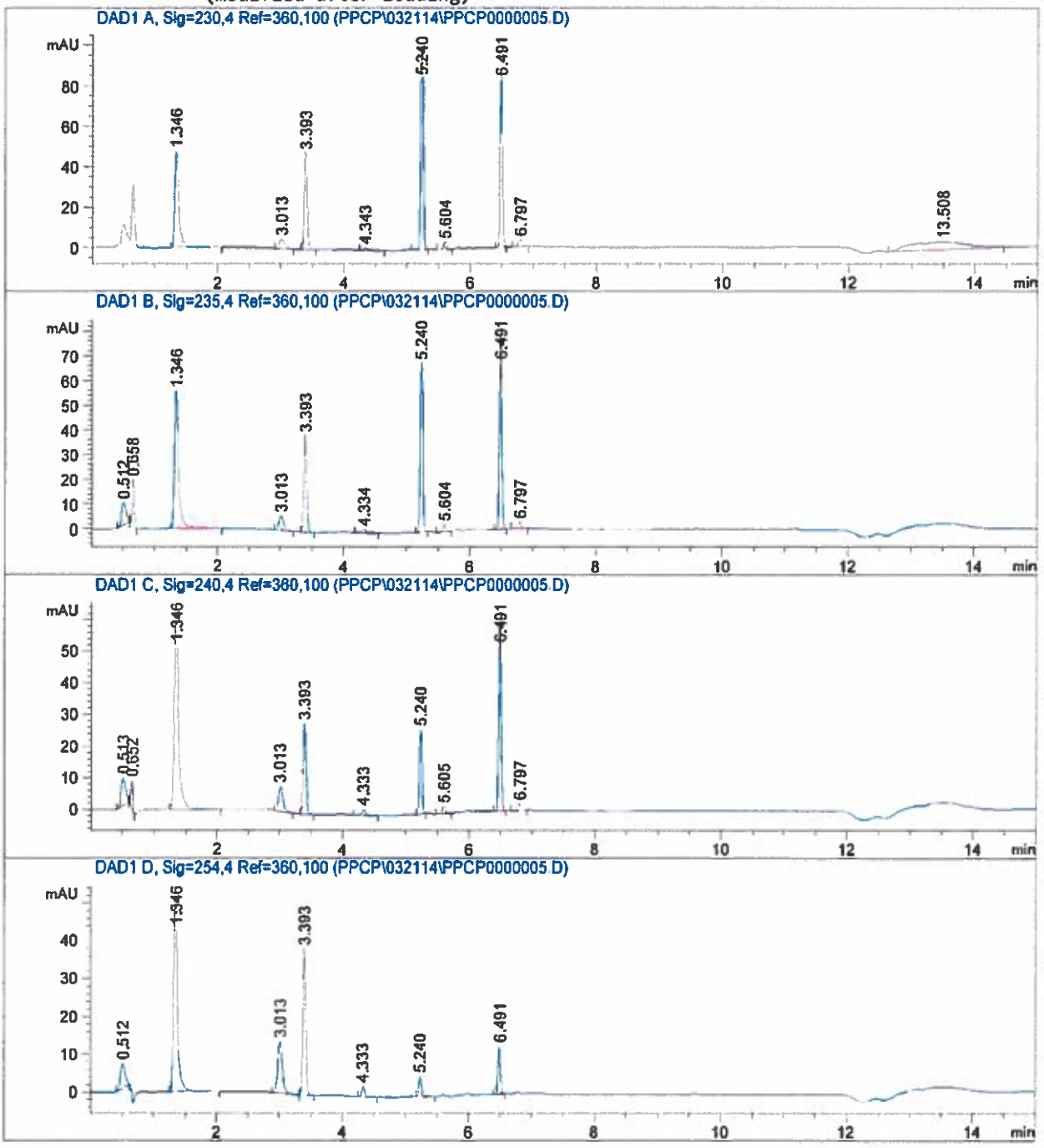
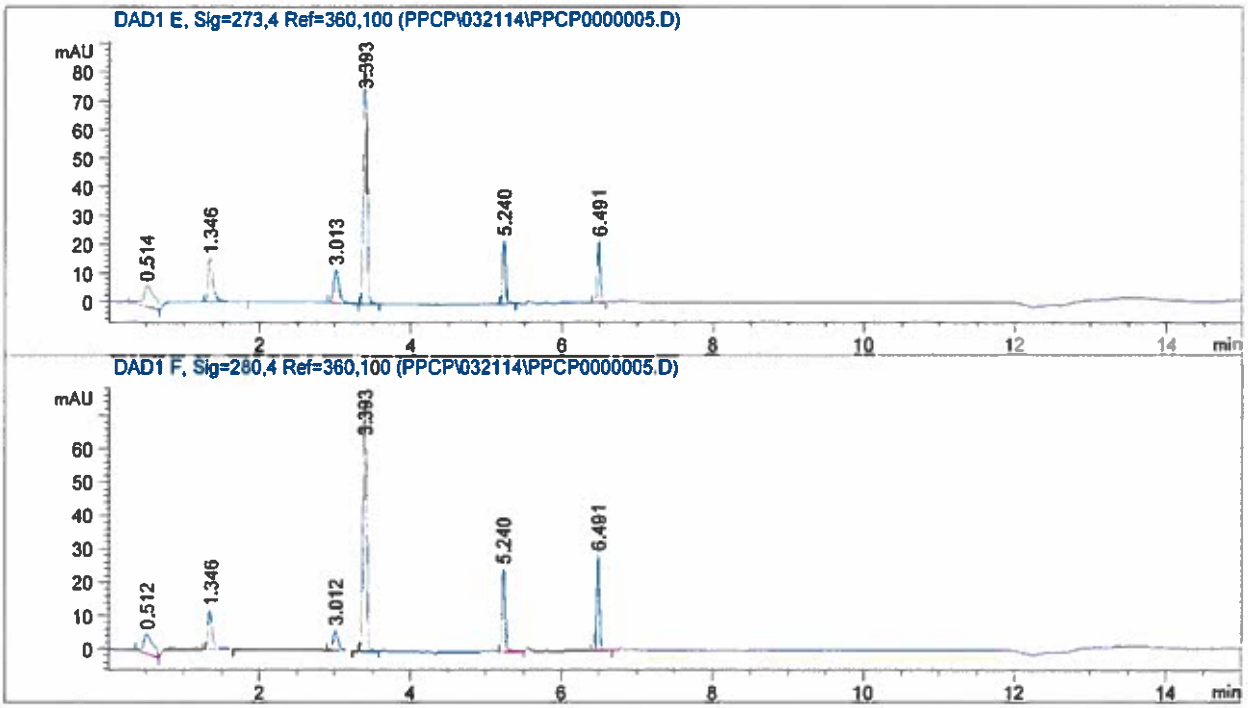
Acq. Operator : SYSTEM
Seq. Line : 5
Acq. Instrument : HPLC
Location : Vial 14
Injection Date : 3/21/2014 12:58:35 PM
Inj : 1
Inj Volume : 95.000 µl

Acq. Method : C:\CHEM32\1\METHODS\KENT METHODS\032114VJR1.M
Last changed : 3/21/2014 11:49:11 AM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\DEFAULT 1.M
Last changed : 3/22/2014 11:20:32 AM by SYSTEM
(modified after loading)



Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000005.D
Sample Name: 0.5ppm



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Area Percent Report with Performance and Noise

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Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=230,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.800	2.400	0.2123	0.1362	-	-	-22.268

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.346	-	217.96532	47.44755	0.62	0.0650	2371	-	223.5
3.013	-	23.27862	4.43358	0.80	0.0790	8039	13.60	20.9
3.393	-	155.86148	48.03567	0.90	0.0520	23563	3.41	226.3
4.343	-	6.64215	1.11719	0.53	0.0811	15894	8.38	5.3
5.240	-	276.72986	101.42500	0.95	0.0452	74445	8.35	477.8
5.604	-	10.84425	3.45613	0.97	0.0467	79907	4.66	16.3
6.491	-	240.03384	87.15420	0.97	0.0462	109410	11.22	410.5
6.797	-	10.83776	3.38900	1.06	0.0511	98001	3.70	16.0
13.508	-	239.25996	3.73282	1.60	1.1200	805	6.73	17.6

Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000005.D
Sample Name: 0.5ppm

Signal 2: DAD1 B, Sig=235,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.800	2.400	0.1788	0.1149	-	-	-16.842

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
0.512	-	45.45050	8.91396	0.72	0.0880	187	-	49.9
0.658	-	48.22929	18.09565	0.91	0.0452	1172	1.29	101.2
1.346	-	253.93353	55.70355	0.63	0.0650	2371	7.33	311.6
3.013	-	30.28450	5.82060	0.82	0.0771	8441	13.78	32.6
3.393	-	126.64509	39.09664	0.90	0.0520	23563	3.46	218.7
4.334	-	6.65951	1.30295	0.69	0.0648	24780	9.47	7.3
5.240	-	185.90643	68.26081	0.95	0.0448	75567	9.71	381.9
5.604	-	9.47810	2.96493	0.89	0.0467	79907	4.68	16.6
6.491	-	222.90738	80.92291	0.97	0.0460	110530	11.24	452.7
6.797	-	9.23557	2.85650	1.09	0.0496	103939	3.76	16.0

Signal 3: DAD1 C, Sig=240,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.800	2.400	0.1548	0.1005	-	-	-12.893

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
0.513	-	43.34083	8.44977	0.71	0.0887	184	-	54.6
0.652	-	19.67888	8.14946	0.79	0.0410	1401	1.26	52.6
1.346	-	282.47720	62.26528	0.64	0.0650	2371	7.70	402.2
3.013	-	39.97307	7.73990	0.82	0.0771	8441	13.78	50.0
3.393	-	91.57584	28.32746	0.90	0.0520	23563	3.46	183.0
4.333	-	7.89566	1.78387	0.82	0.0562	32916	10.21	11.5
5.240	-	71.70277	26.27288	0.95	0.0448	75567	10.55	169.7
5.605	-	7.30292	2.16576	0.80	0.0459	82505	4.72	14.0
6.491	-	170.82692	61.97646	0.97	0.0458	111181	11.35	400.3
6.797	-	6.86703	2.05969	1.13	0.0496	103939	3.77	13.3

Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000005.D
Sample Name: 0.5ppm

Signal 4: DAD1 D, Sig=254,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.800	2.400	9.028e-2	6.164e-2	-	-	-5.143

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
0.512	-	33.49386	6.49355	0.68	0.0876	189	-	71.9
1.346	-	233.83046	51.82718	0.65	0.0650	2371	6.42	574.1
3.013	-	69.36817	13.58634	0.81	0.0767	8547	13.82	150.5
3.393	-	125.19894	38.56581	0.90	0.0515	24008	3.48	427.2
4.333	-	8.43277	2.53983	0.86	0.0517	38933	10.71	28.1
5.240	-	16.95186	5.26062	0.66	0.0458	72354	10.93	58.3
6.491	-	34.61156	12.52425	0.97	0.0455	112983	16.10	138.7

Signal 5: DAD1 E, Sig=273,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.800	2.400	4.708e-2	2.763e-2	-	-	-3.641

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
0.514	-	68.87999	7.12560	0.60	0.1283	88	-	151.3
1.346	-	67.46474	15.10394	0.66	0.0653	2349	5.05	320.8
3.013	-	58.27560	11.52843	0.80	0.0744	9064	14.01	244.9
3.393	-	285.73303	87.64557	0.90	0.0520	23545	3.53	1861.6
5.240	-	60.87312	22.01369	0.91	0.0448	75567	22.40	467.6
6.491	-	59.82313	21.65908	0.97	0.0455	112954	16.28	460.0

Signal 6: DAD1 F, Sig=280,4 Ref=360,100

Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000005.D
Sample Name: 0.5ppm

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.800	2.400	3.326e-2	2.009e-2	-	-	-3.475

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
0.512	-	48.67249	5.67346	0.46	0.1160	108	-	170.6
1.346	-	51.16024	11.48920	0.66	0.0655	2336	5.40	345.4
3.012	-	28.96442	5.73587	0.81	0.0752	8874	13.91	172.4
3.393	-	244.54404	74.98850	0.90	0.0522	23420	3.51	2254.4
5.240	-	70.37041	24.73034	0.85	0.0450	75059	22.34	743.5
6.491	-	78.77949	28.33720	0.96	0.0454	113307	16.26	851.9

*** End of Report ***

Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000006.D
Sample Name: 1ppm

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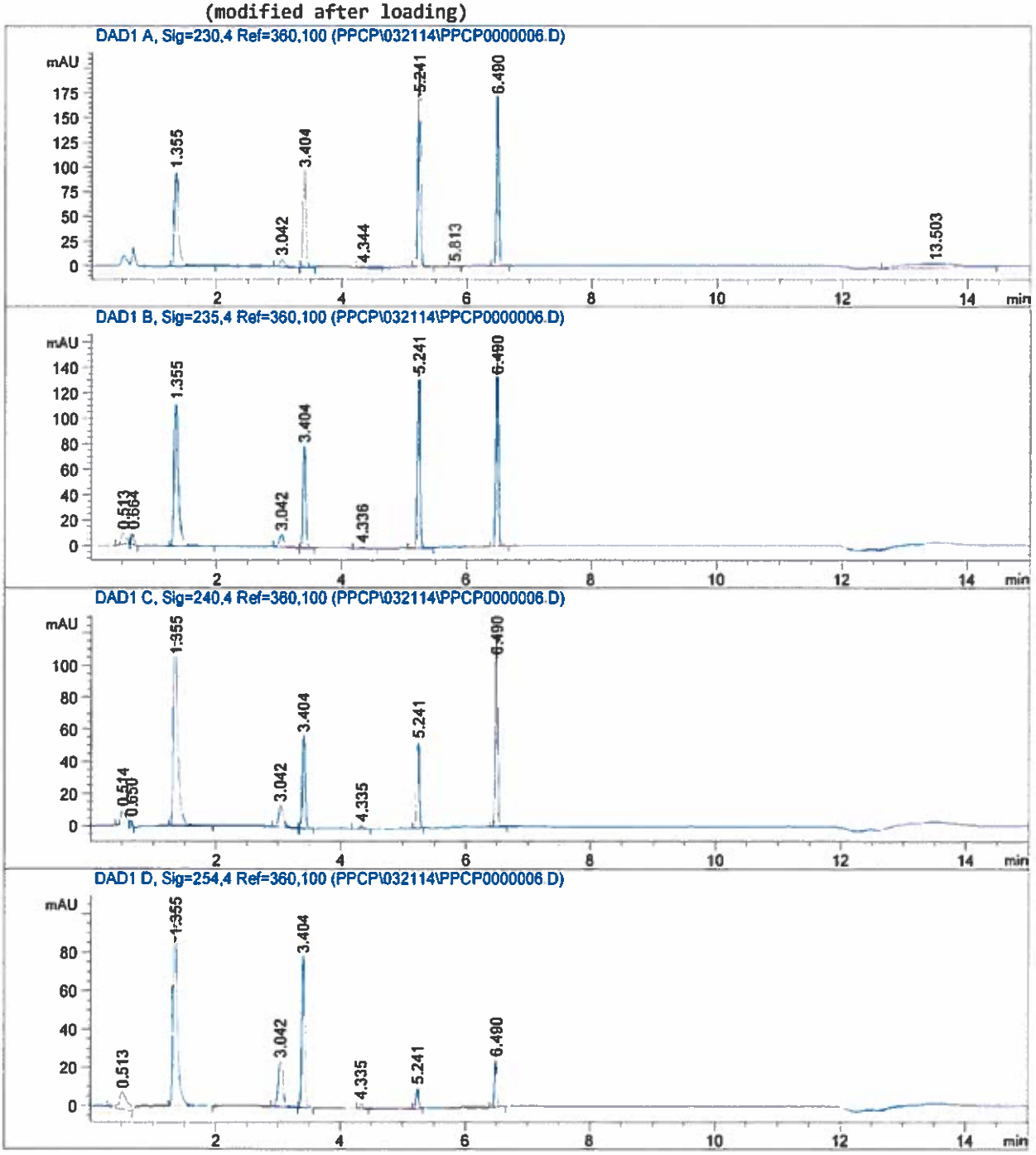
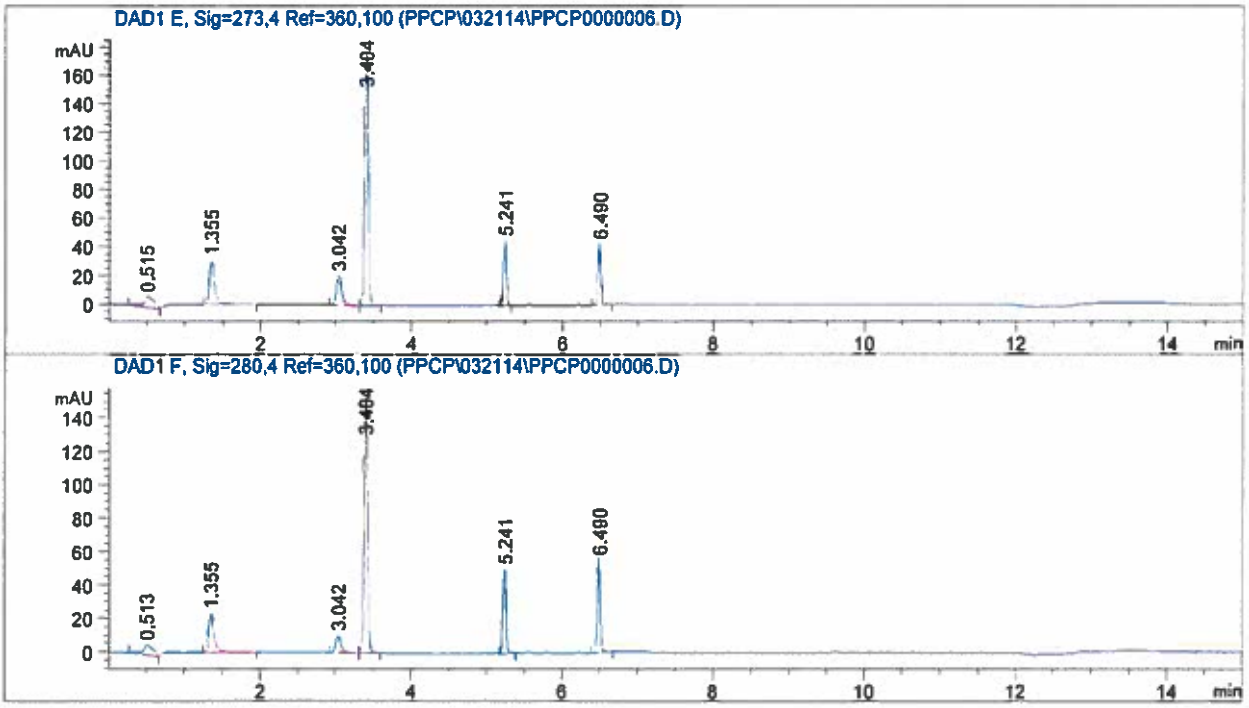
Acq. Operator : SYSTEM
Seq. Line : 6
Acq. Instrument : HPLC
Location : Vial 15
Injection Date : 3/21/2014 1:15:25 PM
Inj : 1
Inj Volume : 95.000 µl
Acq. Method : C:\CHEM32\1\METHODS\KENT METHODS\032114VJR1.M
Last changed : 3/21/2014 11:49:11 AM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\DEFAULT 1.M
Last changed : 3/22/2014 11:20:32 AM by SYSTEM
(modified after loading)



Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000006.D
Sample Name: 1ppm



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Area Percent Report with Performance and Noise

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Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=230,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.800	2.400	0.1520	0.1168	-	-	-8.773

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.355	-	450.78058	95.11852	0.65	0.0679	2206	-	625.7
3.042	-	37.82883	7.10812	0.82	0.0789	8237	13.50	46.8
3.404	-	311.97833	97.25086	0.90	0.0513	24330	3.26	639.8
4.344	-	6.96230	1.13295	0.51	0.0800	16319	8.42	7.5
5.241	-	570.69989	206.93486	0.95	0.0453	74325	8.41	1361.3
5.813	-	4.48607	1.32497	0.89	0.0513	71095	6.96	8.7
6.490	-	472.80490	170.70958	0.94	0.0461	109573	8.16	1123.0
13.503	-	238.34238	3.73004	1.55	1.1200	806	7.07	24.5

Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000006.D
Sample Name: 1ppm

Signal 2: DAD1 B, Sig=235,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.800	2.400	0.1326	0.1017	-	-	-2.972

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
0.513	-	46.05275	8.83398	0.69	0.0880	190	-	66.6
0.664	-	26.36426	8.78915	0.79	0.0497	981	1.29	66.3
1.355	-	527.42059	111.65073	0.66	0.0679	2208	6.90	842.2
3.042	-	50.26616	9.48237	0.82	0.0789	8237	13.51	71.5
3.404	-	253.80612	79.18528	0.90	0.0513	24330	3.26	597.3
4.336	-	6.24580	1.28936	0.73	0.0629	26352	9.60	9.7
5.241	-	384.91711	138.91399	0.94	0.0451	74689	9.84	1047.9
6.490	-	439.00070	158.52046	0.94	0.0460	110146	16.10	1195.8

Signal 3: DAD1 C, Sig=240,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.800	2.400	0.1237	9.496e-2	-	-	1.147

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
0.514	-	44.87858	8.47406	0.67	0.0893	184	-	68.5
0.650	-	5.54471	2.29904	0.56	0.0422	1307	1.21	18.6
1.355	-	588.46948	124.80892	0.66	0.0679	2209	7.53	1009.0
3.042	-	67.56927	12.82289	0.81	0.0767	8721	13.72	103.7
3.404	-	183.75244	57.41888	0.90	0.0515	24159	3.31	464.2
4.335	-	6.82602	1.74477	0.98	0.0550	34419	10.27	14.1
5.241	-	145.20479	53.08672	0.98	0.0448	75681	10.66	429.2
6.490	-	335.76178	121.23888	0.94	0.0460	110455	16.16	980.2

Signal 4: DAD1 D, Sig=254,4 Ref=360,100

Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000006.D
Sample Name: 1ppm

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.800	2.400	9.089e-2	6.481e-2	-	-	3.561

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
0.513	-	77.51970	8.94445	0.64	0.1147	112	-	98.4
1.355	-	489.01791	103.88477	0.66	0.0679	2208	5.42	1143.0
3.042	-	120.37735	23.43582	0.81	0.0760	8870	13.78	257.9
3.404	-	250.79126	78.13968	0.90	0.0513	24330	3.33	859.8
4.335	-	8.34532	2.54452	0.87	0.0520	38505	10.59	28.0
5.241	-	28.23389	10.31354	0.99	0.0448	75681	10.99	113.5
6.490	-	67.37488	24.24951	0.94	0.0453	113493	16.27	266.8

Signal 5: DAD1 E, Sig=273,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.800	2.400	3.444e-2	2.577e-2	-	-	-1.162

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
0.515	-	64.24980	6.94441	0.66	0.1240	96	-	201.6
1.355	-	142.44176	30.26837	0.66	0.0680	2199	5.14	878.9
3.042	-	102.81143	20.34891	0.80	0.0744	9250	13.91	590.9
3.404	-	571.22504	177.40697	0.90	0.0518	23870	3.36	5151.3
5.241	-	121.03866	44.62783	0.97	0.0451	74926	22.28	1295.8
6.490	-	117.46302	42.34349	0.94	0.0456	112015	16.18	1229.5

Signal 6: DAD1 F, Sig=280,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.800	2.400	2.651e-2	1.709e-2	-	-	-1.231

Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000006.D
Sample Name: 1ppm

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
0.513	-	53.14236	5.84072	0.66	0.1213	100	-	220.3
1.355	-	108.35419	23.03967	0.66	0.0681	2195	5.22	869.0
3.042	-	50.88100	10.05103	0.80	0.0744	9250	13.91	379.1
3.404	-	488.84647	151.80373	0.90	0.0519	23808	3.36	5725.5
5.241	-	137.63144	50.17769	0.94	0.0450	75084	22.27	1892.5
6.490	-	153.68929	55.40962	0.94	0.0458	111386	16.16	2089.9

*** End of Report ***

Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000007.D
Sample Name: 5ppm

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                                                  Inj Volume : 95.000 µl
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Last changed    : 3/21/2014 11:49:11 AM by SYSTEM
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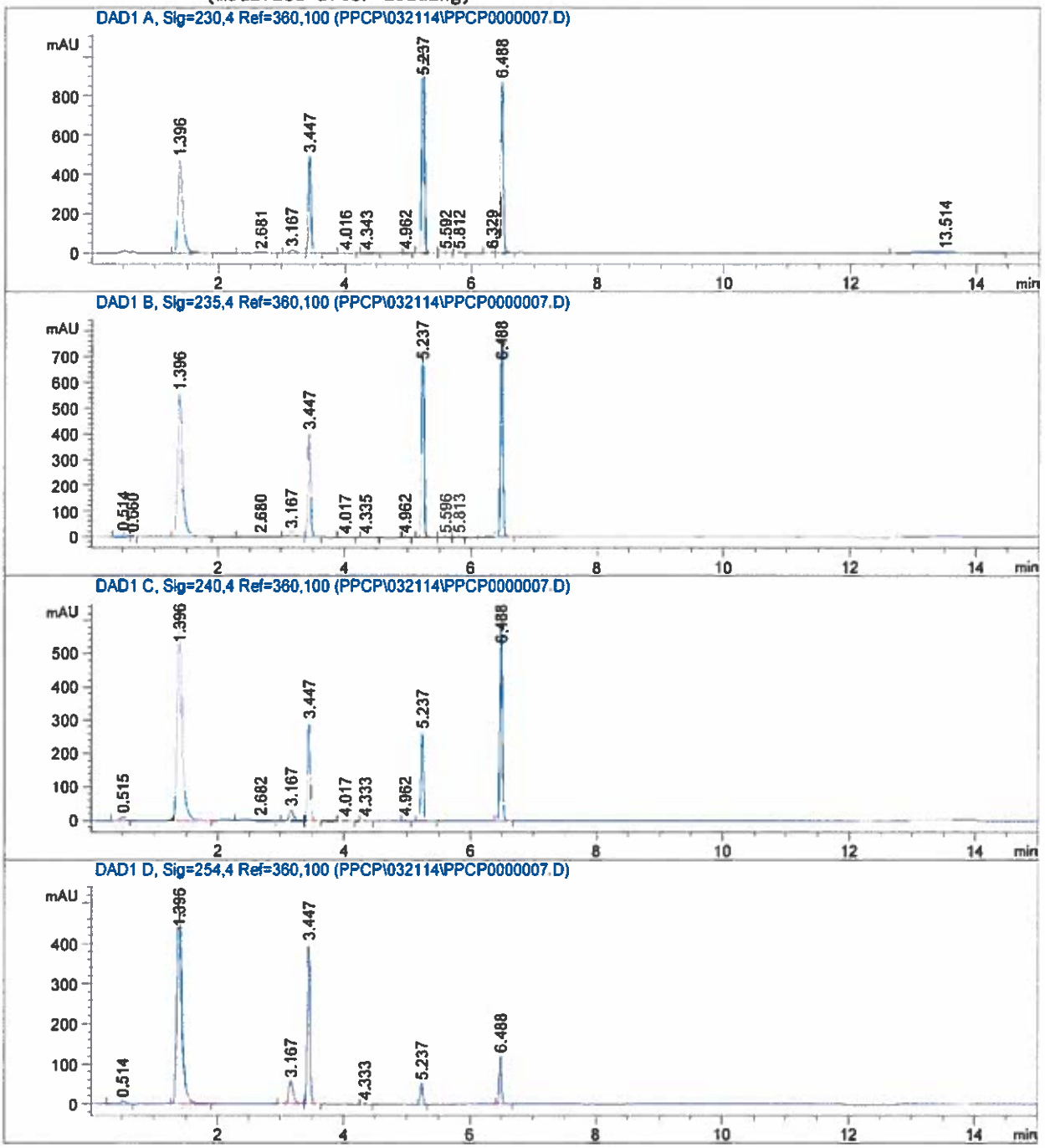

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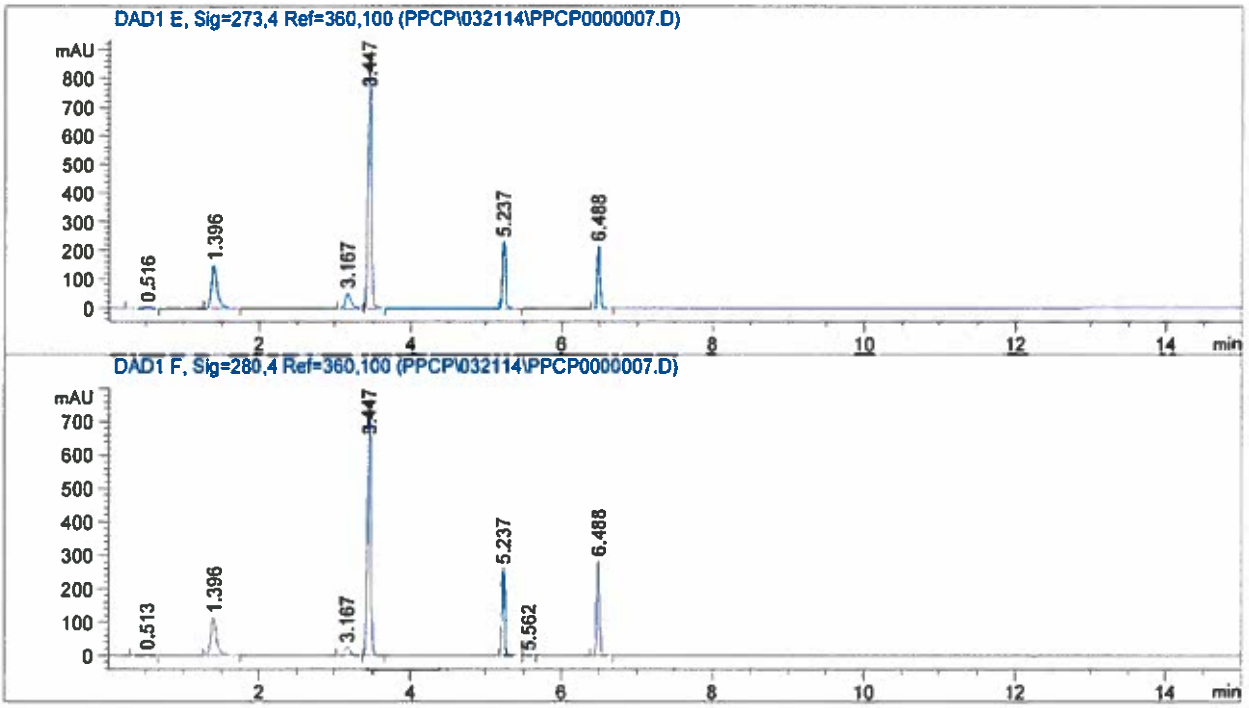
Sample Name: 5ppm



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Area Percent Report with Performance and Noise

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Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=230,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.800	2.400	0.2321	0.1802	-	-	30.917

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.396	-	2494.54639	472.79166	0.67	0.0761	1868	-	2037.5
2.681	-	20.14227	1.27357	1.41	0.2700	547	4.36	5.5
3.167	-	81.30433	15.11736	0.77	0.0781	9091	1.64	65.1
3.447	-	1549.57813	496.63748	0.89	0.0509	25339	2.55	2140.2
4.016	-	5.81181	1.05412	0.88	0.0571	27375	6.20	4.5
4.343	-	6.06041	1.10593	0.54	0.0767	17782	2.86	4.8
4.962	-	9.94495	3.22674	0.74	0.0467	62673	5.90	13.9
5.237	-	2903.44751	1060.40747	0.96	0.0455	73334	3.50	4569.7
5.592	-	9.15081	2.37149	1.11	0.0576	52226	4.05	10.2
5.812	-	8.36662	2.50266	0.87	0.0520	69165	2.36	10.8

Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000007.D
Sample Name: 5ppm

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
6.329	-	4.36699	1.07718	2.34	0.0461	104408	6.19	4.6
6.488	-	2420.24609	873.81079	0.96	0.0464	108303	2.02	3765.6
13.514	-	238.48682	3.72681	1.60	1.1200	806	7.08	16.1

Signal 2: DAD1 B, Sig=235,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.800	2.400	0.2271	0.1728	-	-	38.056

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
0.514	-	51.46561	9.60624	0.82	0.0852	204	-	42.3
0.660	-	10.10576	3.92343	0.85	0.0442	1224	1.33	17.3
1.396	-	2926.21484	554.82562	0.67	0.0761	1868	7.19	2443.1
2.680	-	20.50228	1.31040	1.40	0.2617	583	4.47	5.8
3.167	-	110.71424	20.72169	0.77	0.0781	9129	1.68	91.2
3.447	-	1260.95935	404.13336	0.89	0.0509	25377	2.55	1779.6
4.017	-	5.45483	1.12860	0.79	0.0542	30466	6.38	5.0
4.335	-	5.57842	1.23508	0.56	0.0600	28944	3.27	5.4
4.962	-	8.49204	2.88312	0.82	0.0461	64333	6.95	12.7
5.237	-	1916.78296	698.30023	0.95	0.0455	73251	3.52	3074.9
5.596	-	6.81973	1.73325	1.15	0.0545	58329	4.22	7.6
5.813	-	6.20549	1.83777	0.83	0.0527	67425	2.37	8.1
6.488	-	2247.53223	811.54626	0.96	0.0464	108400	8.01	3573.6

Signal 3: DAD1 C, Sig=240,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.800	2.400	0.2227	0.1633	-	-	41.666

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
0.515	-	52.06184	9.36063	0.79	0.0860	200	-	42.0
1.396	-	3270.94971	620.42682	0.67	0.0760	1869	6.39	2785.8
2.682	-	20.76683	1.31239	1.47	0.2617	583	4.47	5.9
3.167	-	153.75252	28.98586	0.77	0.0781	9129	1.68	130.2

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Sample Name: 5ppm

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
3.447	-	914.94696	293.47729	0.89	0.0508	25468	2.55	1317.8
4.017	-	5.25494	1.23852	0.74	0.0508	34593	6.60	5.6
4.333	-	5.80311	1.67924	0.83	0.0540	35624	3.54	7.5
4.962	-	7.05822	2.44185	0.86	0.0461	64333	7.38	11.0
5.237	-	727.57855	263.69824	0.95	0.0454	73665	3.53	1184.1
6.488	-	1711.45898	617.76324	0.96	0.0464	108361	16.01	2773.9

Signal 4: DAD1 D, Sig=254,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.800	2.400	0.2010	0.1539	-	-	30.222

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
0.514	-	58.58192	8.21280	0.82	0.0933	170	-	40.9
1.396	-	2721.50024	516.37347	0.68	0.0761	1869	6.12	2569.2
3.167	-	299.38068	57.56352	0.75	0.0769	9413	13.60	286.4
3.447	-	1247.96838	399.89951	0.89	0.0510	25259	2.57	1989.7
4.333	-	8.36086	2.55487	0.88	0.0520	38417	10.12	12.7
5.237	-	140.44081	51.42387	0.97	0.0448	75537	10.96	255.9
6.488	-	335.83878	121.02465	0.95	0.0463	109055	16.13	602.2

Signal 5: DAD1 E, Sig=273,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.800	2.400	0.1850	0.1412	-	-	1.963

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
0.516	-	50.18673	6.41920	0.88	0.0987	152	-	34.7
1.396	-	790.30103	149.93211	0.68	0.0762	1861	5.92	810.3
3.167	-	266.52271	52.04554	0.74	0.0757	9710	13.69	281.3
3.447	-	2820.14380	901.05341	0.88	0.0511	25128	2.59	4869.9
5.237	-	637.30896	232.05229	0.95	0.0454	73764	21.79	1254.2
6.488	-	602.27380	217.29433	0.96	0.0463	108722	16.03	1174.4

Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000007.D
Sample Name: 5ppm

Signal 6: DAD1 F, Sig=280,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
1.800	2.400	0.1336	9.921e-2	-	-	8.279e-1

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
0.513	-	37.43741	5.21204	0.78	0.0960	161	-	39.0
1.396	-	602.99030	114.52316	0.68	0.0761	1865	6.03	857.0
3.167	-	130.28172	25.40339	0.75	0.0757	9717	13.70	190.1
3.447	-	2420.18481	773.57672	0.88	0.0511	25146	2.59	5788.5
5.237	-	716.05719	260.70926	0.95	0.0454	73629	21.79	1950.8
5.562	-	5.26886	1.41422	0.78	0.0587	49823	3.68	10.6
6.488	-	790.08557	285.15405	0.96	0.0463	108679	10.35	2133.7

*** End of Report ***

Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000008.D
Sample Name: SPE trial 1

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======================================================================
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Acq. Instrument : HPLC                              Location : Vial 2
Injection Date   : 3/21/2014 1:49:02 PM                 Inj :   1
                                                  Inj Volume : 95.000 µl
Acq. Method      : C:\CHEM32\1\METHODS\KENT METHODS\032114VJR1.M
Last changed     : 3/21/2014 11:49:11 AM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\DEFAULT 1.M
Last changed     : 3/22/2014 11:27:31 AM by SYSTEM
                   (modified after loading)
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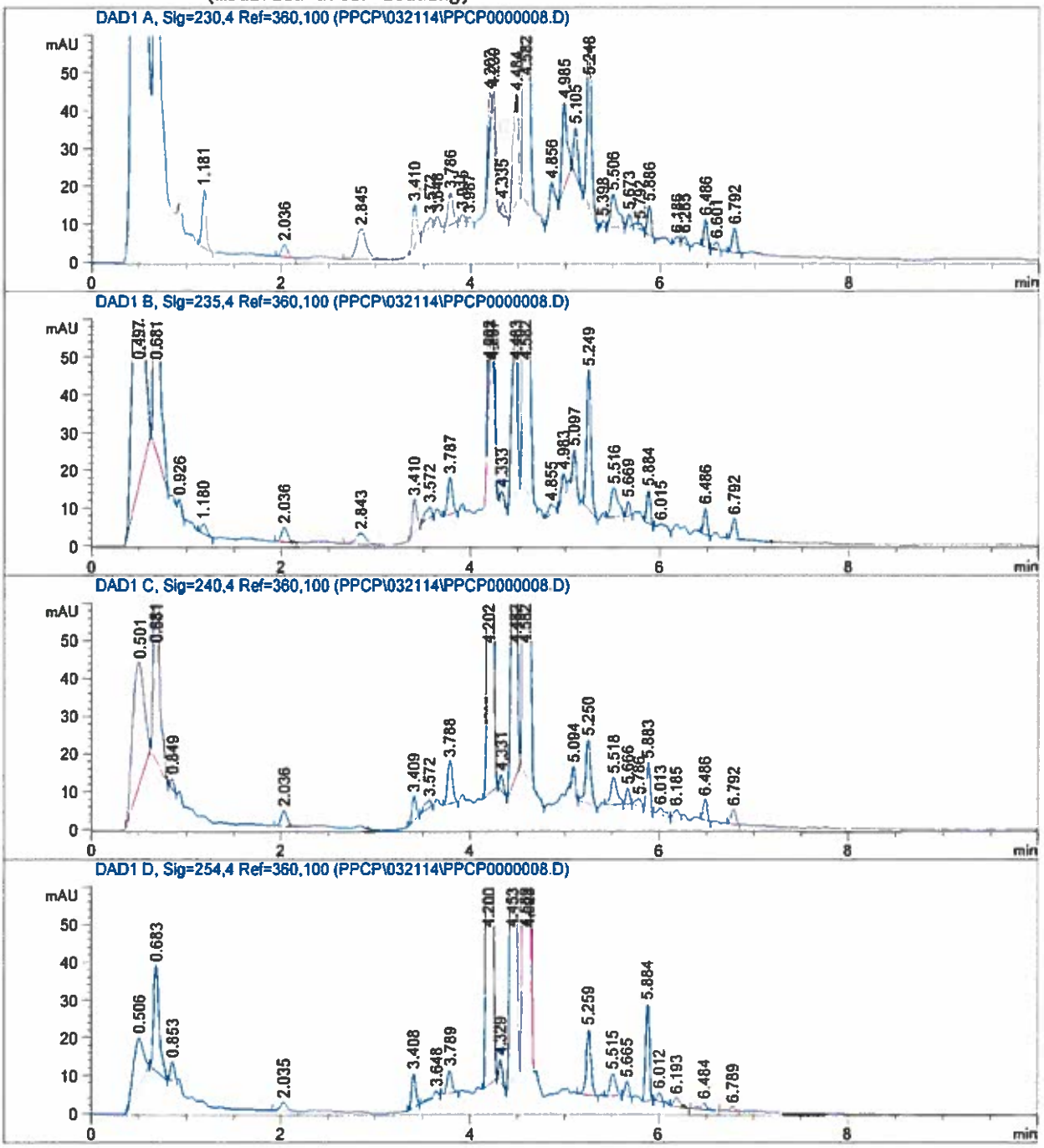
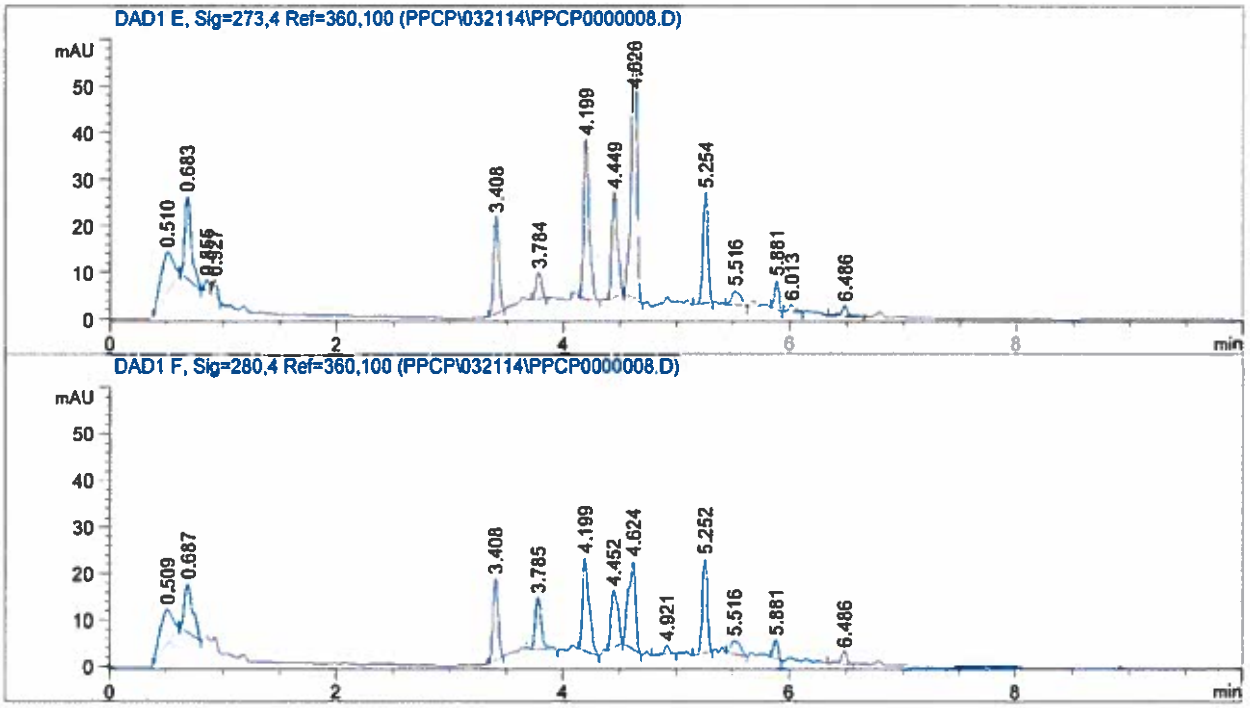


Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000008.D
Sample Name: SPE trial 1



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Area Percent Report with Performance and Noise

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Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=230,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.3261	0.2375	-	-	-15.298

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.181	-	51.50175	15.17474	0.92	0.0553	2523	-	46.5
2.036	-	14.99538	3.25128	0.83	0.0733	4263	7.81	10.0
2.845	-	64.54820	8.07494	0.76	0.1160	3338	5.02	24.8
3.410	-	35.05476	10.88712	0.94	0.0557	20723	3.86	33.4
3.572	-	13.62229	2.74969	3.63	0.0729	13302	1.49	8.4
3.648	-	7.36091	2.47722	0.71	0.0478	32200	0.73	7.6
3.786	-	30.66192	8.43193	0.96	0.0591	22745	1.52	25.9
3.915	-	5.08324	2.08570	1.12	0.0403	52175	1.52	6.4
3.987	-	3.31249	1.36647	0.76	0.0404	53851	1.05	4.2
4.202	-	23.55900	10.20697	3.49	0.0326	92250	3.47	31.3

Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000008.D
Sample Name: SPE trial 1

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
4.239	-	23.71133	10.60731	0.33	0.0338	87034	0.65	32.5
4.335	-	9.39579	3.28549	0.60	0.0449	51593	1.42	10.1
4.484	-	112.35290	28.60155	2.10	0.0663	25324	1.58	87.7
4.582	-	1589.52820	554.91046	0.88	0.0473	51888	1.01	1701.8
4.856	-	32.29887	8.63521	0.88	0.0733	24274	2.67	26.5
4.985	-	82.14531	22.68992	0.74	0.0609	37171	1.13	69.6
5.105	-	38.86444	12.46773	0.60	0.0500	57808	1.27	38.2
5.248	-	147.95041	44.25999	0.81	0.0529	54602	1.64	135.7
5.398	-	4.38449	1.95075	1.05	0.0381	111350	1.93	6.0
5.506	-	47.08382	8.62474	0.49	0.0779	27657	1.10	26.5
5.673	-	8.00467	3.20389	1.01	0.0422	100053	1.63	9.8
5.792	-	3.83330	1.46081	0.65	0.0423	103763	1.66	4.5
5.886	-	20.98198	7.79521	0.90	0.0467	88178	1.24	23.9
6.186	-	4.35967	1.31260	1.64	0.0548	70727	3.47	4.0
6.265	-	4.72652	1.56388	0.62	0.0549	72277	0.85	4.8
6.486	-	19.07255	7.36138	0.95	0.0433	124171	2.64	22.6
6.601	-	7.56012	2.04722	1.13	0.0644	58121	1.26	6.3
6.792	-	21.29329	6.42679	1.08	0.0547	85573	1.89	19.7
11.152	-	14.35223	2.11603	1.06	0.1053	62123	32.01	6.5
13.491	-	239.38480	3.66312	1.60	1.1400	775	2.21	11.2

Signal 2: DAD1 B, Sig=235,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.2869	0.2070	-	-	-11.594

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
0.497	-	515.59528	57.10194	1.13	0.1633	51	-	199.0
0.681	-	517.43170	165.80856	0.75	0.0483	1099	1.03	577.9
0.926	-	7.82202	3.17272	0.60	0.0502	1888	2.91	11.1
1.180	-	9.78044	2.57848	0.68	0.0607	2094	2.69	9.0
2.036	-	17.97867	3.86595	0.84	0.0724	4376	7.55	13.5
2.843	-	22.67275	3.00923	0.86	0.1133	3481	5.11	10.5
3.410	-	28.38787	8.82433	0.95	0.0562	20373	3.93	30.8
3.572	-	13.56743	2.78880	3.23	0.0750	12582	1.46	9.7
3.787	-	34.81778	9.61077	0.98	0.0600	22076	1.87	33.5
4.202	-	49.77957	21.25649	2.42	0.0380	67649	4.97	74.1
4.237	-	27.48218	11.23838	0.19	0.0248	161791	0.65	39.2
4.333	-	9.00984	3.24161	0.59	0.0442	53244	1.63	11.3
4.483	-	197.79416	47.54032	2.01	0.0722	21363	1.52	165.7
4.582	-	1231.71338	410.83762	0.79	0.0483	49763	0.96	1432.0
4.855	-	9.11892	2.34541	1.12	0.0918	15503	2.29	8.2
4.983	-	17.99416	6.21901	1.25	0.0547	45900	1.03	21.7
5.097	-	26.79320	10.60489	0.82	0.0415	83550	1.39	37.0

Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000008.D
Sample Name: SPE trial 1

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
5.249	-	120.43444	36.75095	0.86	0.0539	52531	1.87	128.1
5.516	-	40.64145	7.76701	0.61	0.0787	27220	2.37	27.1
5.669	-	9.29316	3.75292	0.97	0.0433	94765	1.47	13.1
5.884	-	22.68383	8.67407	0.91	0.0438	100099	2.90	30.2
6.015	-	7.39947	1.20108	0.43	0.1142	15374	0.98	4.2
6.486	-	18.13034	6.97352	0.94	0.0456	112352	3.46	24.3
6.792	-	20.36648	5.42414	0.80	0.0556	82857	3.56	18.9
11.152	-	11.98502	1.76920	1.06	0.1067	60580	31.57	6.2

Signal 3: DAD1 C, Sig=240,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.2537	0.1575	-	-	-8.782

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
0.501	-	277.35406	32.88860	1.18	0.1533	59	-	129.6
0.681	-	299.43256	90.97982	0.70	0.0492	1060	1.05	358.6
0.849	-	7.11880	2.66640	0.67	0.0467	1827	2.05	10.5
2.036	-	19.29083	4.09813	0.85	0.0733	4263	11.62	16.2
3.409	-	19.55089	6.35968	1.03	0.0524	23444	12.84	25.1
3.572	-	10.00063	1.92296	3.59	0.0742	12866	1.51	7.6
3.788	-	40.53395	11.10458	0.95	0.0600	22076	1.89	43.8
4.202	-	409.45630	86.39082	0.45	0.0848	13580	3.36	340.5
4.331	-	10.99789	4.16078	0.63	0.0430	56284	1.19	16.4
4.482	-	298.14835	68.16028	1.98	0.0754	19557	1.49	268.6
4.582	-	1033.94189	309.18369	0.66	0.0513	44116	0.93	1218.5
5.094	-	17.45144	7.26494	0.85	0.0412	84793	6.51	28.6
5.250	-	65.27982	17.07709	0.95	0.0585	44548	1.83	67.3
5.518	-	33.25976	7.21553	0.76	0.0685	36002	2.48	28.4
5.666	-	10.51127	4.21192	0.95	0.0418	102068	1.57	16.6
5.786	-	8.64925	2.06579	1.39	0.0863	24930	1.10	8.1
5.883	-	32.75467	12.60047	0.93	0.0430	103800	0.89	49.7
6.013	-	9.22504	1.68961	0.53	0.0749	35746	1.30	6.7
6.185	-	5.86677	1.68884	1.25	0.0600	58790	1.49	6.7
6.486	-	14.38242	5.52264	0.93	0.0456	112352	3.35	21.8
6.792	-	12.99934	3.86390	1.08	0.0553	83523	3.57	15.2
11.152	-	8.65326	1.27411	1.05	0.1040	63726	32.15	5.0

Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000008.D
Sample Name: SPE trial 1

Signal 4: DAD1 D, Sig=254,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.1491	8.818e-2	-	-	-2.578

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
0.506	-	96.88592	13.05858	1.23	0.1408	72	-	87.6
0.683	-	107.26345	27.80416	0.62	0.0569	793	1.05	186.5
0.853	-	14.39789	4.81562	0.96	0.0511	1547	1.85	32.3
2.035	-	11.64303	2.24902	0.88	0.0781	3759	10.75	15.1
3.408	-	27.48557	8.93262	0.98	0.0519	23876	12.41	59.9
3.648	-	5.71528	1.36749	2.45	0.0544	24865	2.66	9.2
3.789	-	21.37958	5.89436	0.90	0.0593	22574	1.45	39.5
4.200	-	525.43622	133.88193	0.54	0.0683	20937	3.78	898.1
4.329	-	15.04582	6.04365	0.71	0.0407	62626	1.39	40.5
4.453	-	393.60013	88.88913	0.58	0.0778	18169	1.23	596.3
4.589	-	62.52299	12.73859	43.88	-	-	2.65	85.5
4.623	-	220.06482	93.28056	0.60	0.0464	55008	1.37	625.8
5.259	-	60.43930	17.27949	0.96	0.0556	49678	7.33	115.9
5.515	-	24.95918	5.81268	0.83	0.0691	35288	2.41	39.0
5.665	-	10.98734	3.87550	0.95	0.0487	74975	1.50	26.0
5.884	-	68.84421	25.59936	0.97	0.0449	95085	2.74	171.7
6.012	-	6.31859	2.28442	1.15	0.0452	98145	1.68	15.3
6.193	-	11.26425	2.29179	0.62	0.0700	43379	1.84	15.4
6.484	-	7.75566	1.78763	1.44	0.0533	81804	2.78	12.0
6.789	-	5.55604	1.21023	1.77	0.0642	61988	3.05	8.1

Signal 5: DAD1 E, Sig=273,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	7.453e-2	5.373e-2	-	-	-2.571e-2

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
0.510	-	68.19164	8.91199	1.28	0.1508	64	-	119.6
0.683	-	68.89133	17.64540	0.60	0.0564	807	0.98	236.8
0.855	-	5.59692	1.97482	1.18	0.0480	1754	1.94	26.5
0.927	-	6.97376	2.88582	0.63	0.0438	2483	0.92	38.7
3.408	-	64.35876	20.56652	0.94	0.0520	23789	30.42	276.0

Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000008.D
Sample Name: SPE trial 1

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
3.784	-	19.15949	5.72612	0.91	0.0563	25076	4.09	76.8
4.199	-	113.43417	34.17483	0.66	0.0513	37101	4.52	458.6
4.449	-	81.19384	22.58943	0.64	0.0595	30967	2.65	303.1
4.626	-	224.61891	71.66215	1.24	0.0497	48033	1.91	961.6
5.254	-	71.93970	23.49400	1.02	0.0507	59576	7.35	315.2
5.516	-	18.10610	3.14590	0.58	0.0952	18572	2.11	42.2
5.881	-	16.50456	6.14966	0.95	0.0449	95085	3.07	82.5
6.013	-	6.22423	1.60535	0.76	0.0553	65447	1.55	21.5
6.486	-	9.30356	2.23675	1.19	0.0525	84595	5.16	30.0

Signal 6: DAD1 F, Sig=280,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	8.275e-2	5.174e-2	-	-	-2.017e-1

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
0.509	-	57.71316	7.59362	1.28	0.1608	55	-	91.8
0.687	-	51.02522	10.32678	0.51	0.0674	576	0.92	124.8
3.408	-	54.86425	17.55494	0.94	0.0520	23789	26.77	212.1
3.785	-	43.23391	11.05550	0.72	0.0593	22631	3.98	133.6
4.199	-	78.70535	19.85234	0.51	0.0622	25252	4.01	239.9
4.452	-	51.56960	12.21274	0.58	0.0761	18973	2.15	147.6
4.624	-	84.18663	19.02764	1.99	0.0833	17034	1.27	229.9
4.921	-	5.99361	1.87361	1.21	0.0481	57867	2.65	22.6
5.252	-	61.37638	20.09720	1.03	0.0513	58039	3.91	242.9
5.516	-	16.36006	2.80562	0.50	0.0943	18949	2.13	33.9
5.881	-	11.05699	4.06267	0.93	0.0467	87978	3.04	49.1
6.486	-	9.72461	2.68340	1.61	0.0500	93266	7.36	32.4

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*** End of Report ***

Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000009.D
Sample Name: SPE 0.002ppm

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Acq. Instrument : HPLC                              Location : Vial 3
Injection Date   : 3/21/2014 2:05:51 PM                 Inj :   1
                                                  Inj Volume : 95.000 µl
Acq. Method      : C:\CHEM32\1\METHODS\KENT METHODS\032114VJR1.M
Last changed     : 3/21/2014 11:49:11 AM by SYSTEM
Analysis Method : C:\CHEM32\1\METHODS\DEFAULT 1.M
Last changed     : 3/22/2014 11:48:11 AM by SYSTEM
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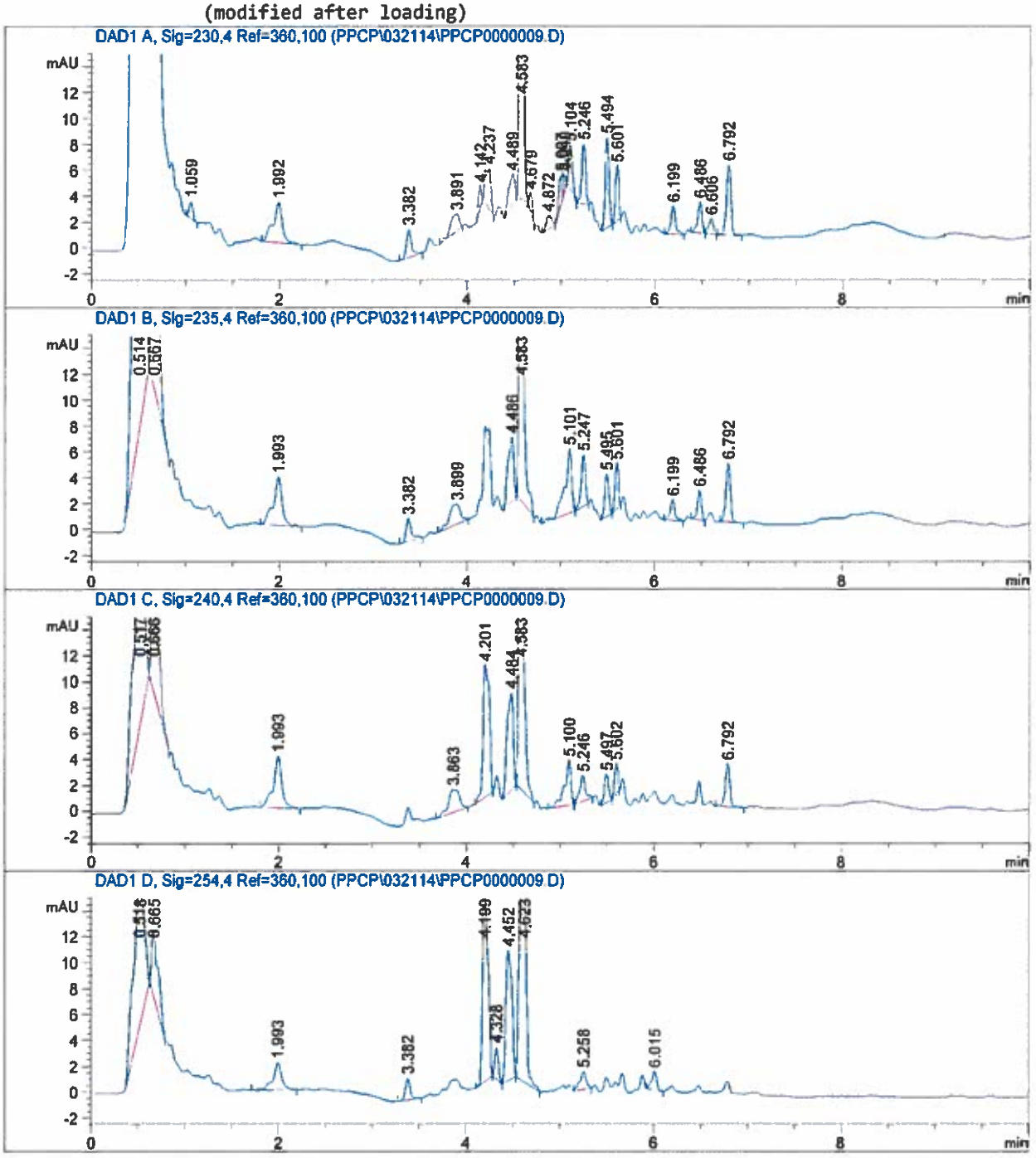
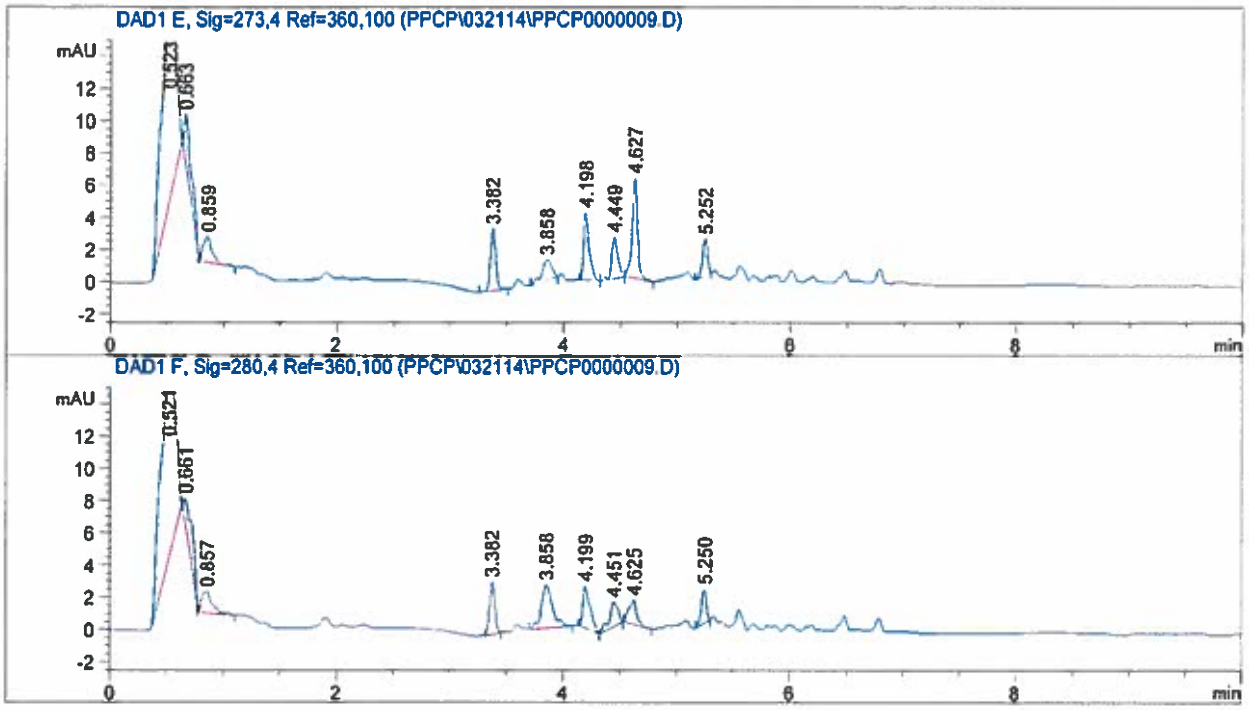


Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000009.D
Sample Name: SPE 0.002ppm



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Area Percent Report with Performance and Noise

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Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=230,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
7.000	7.500	0.3768	0.2284	-	-	-23.213

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.059	-	3.63064	1.26672	0.87	0.0497	2528	-	3.4
1.992	-	21.31424	3.10811	1.48	0.0822	3261	8.31	8.2
3.382	-	8.14220	2.16861	0.74	0.0548	21085	11.92	5.8
3.891	-	8.60335	1.30264	2.33	0.0963	9033	3.95	3.5
4.142	-	3.40283	1.67497	1.74	0.0344	80371	2.26	4.4
4.237	-	12.69236	3.14833	1.89	0.0788	15992	0.99	8.4
4.489	-	9.66032	2.21622	2.87	0.0686	23735	2.00	5.9
4.583	-	128.29504	46.28271	0.94	0.0455	56198	0.97	122.8
4.679	-	3.05895	1.38165	0.59	0.0391	79154	1.33	3.7
4.872	-	4.28518	1.07292	0.88	0.0739	24116	2.01	2.8

Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000009.D
Sample Name: SPE 0.002ppm

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
5.007	-	5.80358	2.08817	2.63	0.0379	96743	1.42	5.5
5.040	-	2.45250	1.23512	1.62	0.0431	75706	0.48	3.3
5.104	-	9.52938	3.44793	0.69	0.0435	76097	0.87	9.1
5.246	-	13.38204	4.63098	1.04	0.0489	63846	1.81	12.3
5.494	-	19.37967	6.88542	1.01	0.0467	76812	3.05	18.3
5.601	-	10.35290	4.17534	1.09	0.0429	94645	1.41	11.1
6.199	-	7.45059	2.14815	0.91	0.0507	83001	7.51	5.7
6.486	-	7.52292	2.42963	1.33	0.0471	104941	3.44	6.4
6.606	-	4.10213	1.20506	1.17	0.0565	75866	1.36	3.2
6.792	-	17.73262	5.42704	1.10	0.0526	92478	2.00	14.4
13.498	-	240.18721	3.71062	1.63	1.1333	785	6.64	9.8

Signal 2: DAD1 B, Sig=235,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
7.000	7.500	0.2822	0.1781	-	-	-22.970

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
0.514	-	145.36143	17.40596	1.52	0.1371	78	-	61.7
0.667	-	115.43999	35.90633	0.59	0.0461	1164	0.98	127.2
1.993	-	24.37077	3.72749	1.35	0.0800	3445	12.36	13.2
3.382	-	7.15800	1.78104	0.65	0.0548	21085	12.11	6.3
3.899	-	12.69505	1.50292	2.21	0.1187	5969	3.50	5.3
4.486	-	21.05598	4.87007	2.26	0.0748	19908	3.57	17.3
4.583	-	106.39954	34.58367	0.74	0.0478	50945	0.93	122.6
5.101	-	25.55951	4.93847	2.60	0.0571	44158	5.80	17.5
5.247	-	12.26416	3.95211	1.20	0.0503	60307	1.60	14.0
5.495	-	9.66884	3.27028	1.02	0.0486	70906	2.95	11.6
5.601	-	8.38414	3.45587	1.13	0.0419	98996	1.38	12.2
6.199	-	5.84024	1.63495	0.97	0.0519	79250	7.49	5.8
6.486	-	6.64030	2.28884	1.16	0.0473	104365	3.40	8.1
6.792	-	14.83698	4.55574	1.10	0.0533	89927	3.57	16.1
13.535	-	234.05533	3.58210	1.75	1.1400	780	6.64	12.7

Signal 3: DAD1 C, Sig=240,4 Ref=360,100

Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000009.D
Sample Name: SPE 0.002ppm

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
7.000	7.500	0.2320	0.1490	-	-	-29.940

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
0.517	-	107.95368	13.65366	1.41	0.1242	95	-	58.9
0.666	-	64.96944	19.01946	0.50	0.0461	1164	1.03	82.0
1.993	-	24.74337	3.95467	1.25	0.0778	3645	12.59	17.0
3.863	-	14.19099	1.74724	0.85	0.1229	5473	10.95	7.5
4.201	-	49.33987	10.20995	0.52	0.0836	13982	1.92	44.0
4.484	-	34.07179	7.49158	2.18	0.0779	18313	2.06	32.3
4.583	-	88.63659	26.06585	0.64	0.0517	43565	0.90	112.4
5.100	-	16.84895	3.49314	2.50	0.0578	43193	5.55	15.1
5.246	-	8.38228	1.96634	1.13	0.0593	43455	1.47	8.5
5.497	-	6.70792	2.16378	1.03	0.0514	63246	2.67	9.3
5.602	-	5.39331	2.32566	1.20	0.0405	106107	1.34	10.0
6.792	-	11.30543	3.31716	1.15	0.0533	89927	14.91	14.3
10.987	-	18.47639	1.10366	0.85	0.2756	8810	14.99	4.8

Signal 4: DAD1 D, Sig=254,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
7.000	7.500	0.2414	0.1643	-	-	-38.770

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
0.518	-	87.50376	10.83589	1.29	0.1314	85	-	44.9
0.665	-	25.28782	5.12337	0.28	0.0540	832	0.94	21.2
1.993	-	13.49449	2.09105	1.20	0.0800	3445	11.65	8.7
3.382	-	6.03704	1.70759	0.81	0.0526	22905	12.30	7.1
4.199	-	62.62598	15.98875	0.55	0.0700	19960	7.83	66.2
4.328	-	6.86626	2.44475	0.79	0.0463	48424	1.31	10.1
4.452	-	45.27877	10.08161	0.54	0.0791	17568	1.16	41.8
4.623	-	83.34999	16.97144	1.84	0.0852	16307	1.23	70.3
5.258	-	6.25491	1.35543	1.39	0.0683	32763	4.85	5.6
6.015	-	5.43346	1.41031	1.48	0.0607	54328	6.90	5.8

Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000009.D
Sample Name: SPE 0.002ppm

Signal 5: DAD1 E, Sig=273,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
7.000	7.500	0.1118	6.435e-2	-	-	-26.625

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
0.523	-	105.94289	11.70611	1.38	0.1495	67	-	104.7
0.663	-	13.79621	3.04866	0.22	0.0483	1038	0.83	27.3
0.859	-	8.88428	1.56370	0.88	0.0875	537	1.70	14.0
3.382	-	12.54416	3.80192	0.89	0.0519	23564	21.27	34.0
3.858	-	7.65950	1.25780	1.19	0.0941	9303	3.83	11.3
4.198	-	14.92214	4.19500	0.58	0.0533	34275	2.71	37.5
4.449	-	9.64237	2.56217	0.76	0.0583	32216	2.65	22.9
4.627	-	20.48137	6.17482	1.04	0.0500	47470	1.93	55.2
5.252	-	6.94770	2.23281	1.19	0.0515	57648	7.24	20.0

Signal 6: DAD1 F, Sig=280,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
7.000	7.500	8.836e-2	5.071e-2	-	-	-21.954

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
0.521	-	103.37144	11.15147	1.33	0.1571	61	-	126.2
0.661	-	12.77823	1.37978	0.08	-	-	1.10	15.6
0.857	-	8.84504	1.29555	0.70	0.0933	465	2.66	14.7
3.382	-	10.35011	3.22278	0.93	0.0520	23430	20.42	36.5
3.858	-	18.46962	2.64991	0.77	0.1011	8053	3.65	30.0
4.199	-	11.67240	2.56575	0.43	0.0728	18444	2.30	29.0
4.451	-	7.97334	1.51997	1.07	0.0800	17180	1.94	17.2
4.625	-	7.35035	1.52044	1.36	0.0837	16890	1.24	17.2
5.250	-	6.21166	2.05917	1.12	0.0509	58879	5.46	23.3

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*** End of Report ***

Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000010.D
Sample Name: SPE 0.005ppm

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Inj Volume : 95.000 µl

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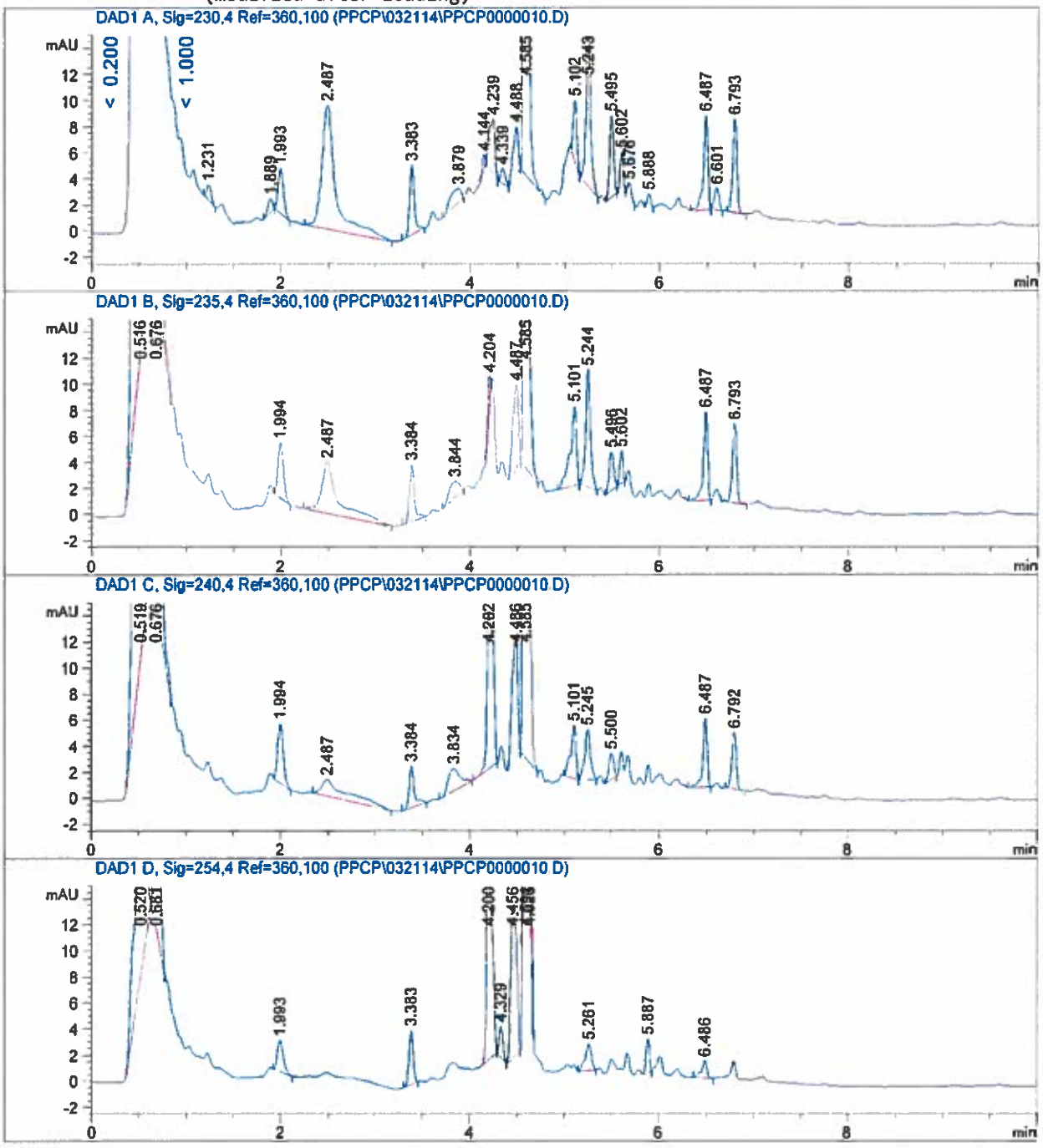

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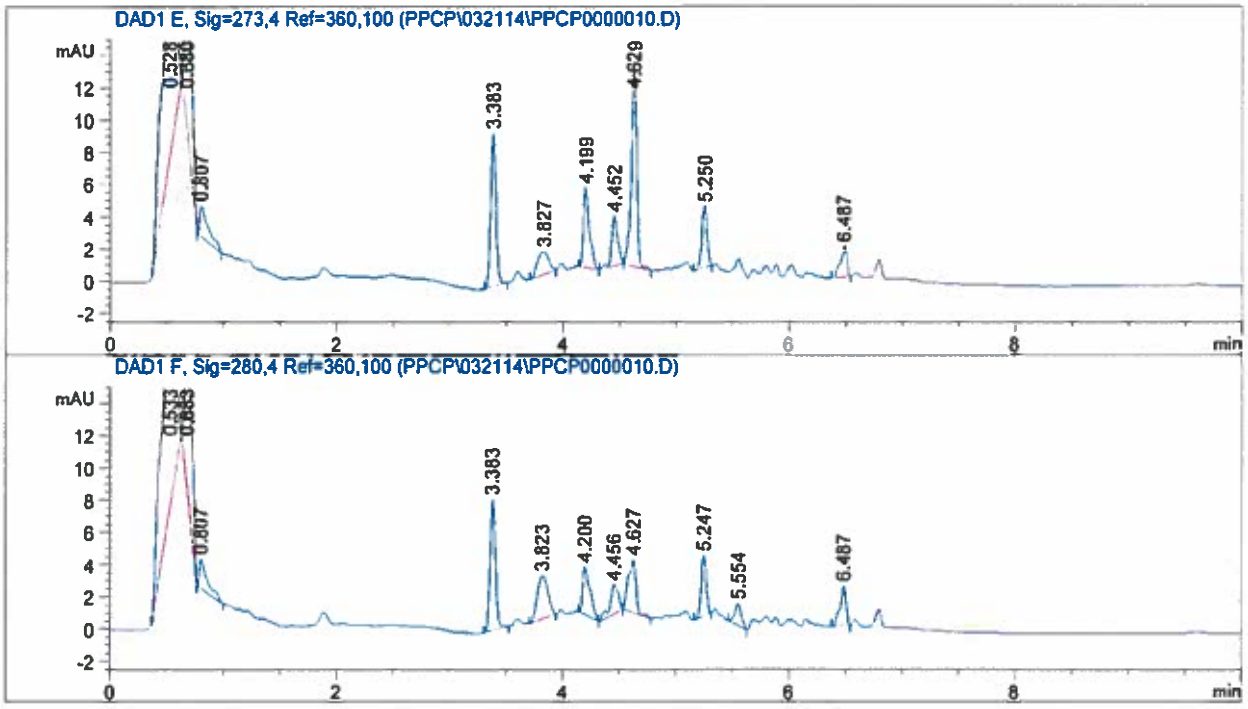
Sample Name: SPE 0.005ppm



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Area Percent Report with Performance and Noise

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Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=230,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
7.000	7.500	0.5880	0.3519	-	-	-90.694

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.231	-	3.77676	1.13322	0.74	0.0578	2515	-	1.9
1.889	-	3.49360	1.01217	1.55	0.0557	6382	6.81	1.7
1.993	-	13.19116	3.34967	0.77	0.0633	5475	1.03	5.7
2.487	-	96.70306	9.45805	0.59	0.1244	2208	3.09	16.1
3.383	-	18.77246	5.33118	0.82	0.0533	22308	5.92	9.1
3.879	-	10.01337	1.01753	4.77	0.1237	5444	3.29	1.7
4.144	-	2.20244	1.13455	2.11	0.0327	89170	1.98	1.9
4.239	-	17.97428	4.20343	1.93	0.0812	15098	0.99	7.1
4.339	-	3.63771	1.10188	0.72	0.0541	35649	0.87	1.9
4.488	-	14.06365	3.65239	2.14	0.0631	27947	1.49	6.2

Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000010.D
Sample Name: SPE 0.005ppm

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
4.585	-	291.00000	101.73528	0.89	0.0473	51968	1.03	173.0
5.102	-	11.87402	4.60432	0.80	0.0431	77663	6.73	7.8
5.243	-	40.67941	12.01933	0.88	0.0521	56088	1.74	20.4
5.495	-	18.49359	6.28309	0.99	0.0486	70976	2.93	10.7
5.602	-	7.42125	3.09210	1.05	0.0403	106963	1.42	5.3
5.676	-	2.85406	1.00037	0.55	0.0462	83705	1.00	1.7
5.888	-	2.58760	1.01336	0.97	0.0444	97332	2.76	1.7
6.487	-	23.73301	7.24438	1.45	0.0491	96659	7.53	12.3
6.601	-	5.74846	1.71100	1.00	0.0569	74734	1.26	2.9
6.793	-	23.05918	7.19608	1.08	0.0520	94488	2.07	12.2
11.135	-	20.80555	2.40284	1.53	0.1200	47724	29.66	4.1
13.483	-	242.36288	3.75818	1.46	1.1333	784	2.20	6.4

Signal 2: DAD1 B, Sig=235,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
7.000	7.500	0.4486	0.2914	-	-	-78.249

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
0.516	-	217.35127	23.32199	1.56	0.1695	52	-	52.0
0.676	-	156.82364	43.65090	0.55	0.0506	996	0.85	97.3
1.994	-	16.70103	4.14067	0.78	0.0650	5198	13.40	9.2
2.487	-	50.75226	3.92594	0.43	0.1289	2058	2.99	8.8
3.384	-	15.83252	4.36144	0.76	0.0541	21701	5.76	9.7
3.844	-	9.84589	1.23358	1.61	0.1508	3599	2.64	2.7
4.204	-	5.30611	2.27249	3.53	0.0311	101028	2.33	5.1
4.487	-	26.06457	6.36215	2.06	0.0705	22430	3.28	14.2
4.585	-	225.42934	75.34661	0.81	0.0482	50105	0.96	168.0
5.101	-	28.44377	6.13494	2.39	0.0570	44358	5.77	13.7
5.244	-	32.29179	9.02731	0.95	0.0540	52253	1.51	20.1
5.496	-	9.61514	2.95222	1.01	0.0529	59933	2.77	6.6
5.602	-	5.74930	2.47824	1.10	0.0395	111390	1.35	5.5
6.487	-	21.60832	6.80169	1.36	0.0483	99713	11.84	15.2
6.793	-	19.97736	6.07660	1.11	0.0526	92370	3.55	13.5
11.134	-	17.81635	2.01914	1.58	0.1156	51404	30.34	4.5

Signal 3: DAD1 C, Sig=240,4 Ref=360,100

Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000010.D
Sample Name: SPE 0.005ppm

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
7.000	7.500	0.3781	0.2381	-	-	-70.959

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
0.519	-	154.20906	17.08423	1.49	0.1500	66	-	45.2
0.676	-	102.70900	25.87800	0.48	0.0552	837	0.90	68.4
1.994	-	18.61138	4.50809	0.78	0.0658	5067	12.79	11.9
2.487	-	24.51191	1.26014	0.22	0.1400	1745	2.82	3.3
3.384	-	12.36277	3.18505	0.67	0.0548	21119	5.41	8.4
3.834	-	14.63340	1.69683	0.90	0.1589	3221	2.47	4.5
4.202	-	58.41427	12.00521	0.50	0.0853	13448	1.77	31.8
4.486	-	40.38601	9.36665	2.03	0.0743	20188	2.09	24.8
4.585	-	187.74702	56.54383	0.67	0.0511	44570	0.93	149.5
5.101	-	16.03703	4.09446	1.90	0.0557	46379	5.67	10.8
5.245	-	16.31341	3.86842	1.05	0.0615	40309	1.44	10.2
5.500	-	6.98298	1.99441	1.02	0.0593	47683	2.48	5.3
6.487	-	16.78757	5.31318	1.33	0.0483	99713	10.79	14.1
6.792	-	13.91888	4.32590	1.11	0.0527	92111	3.55	11.4
11.134	-	13.17768	1.45215	1.64	0.1178	49483	29.93	3.8

Signal 4: DAD1 D, Sig=254,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
7.000	7.500	0.4652	0.3185	-	-	-59.721

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
0.520	-	96.09561	10.77188	1.40	0.1576	60	-	23.2
0.681	-	51.99102	11.58922	0.52	0.0740	474	0.82	24.9
1.993	-	10.28127	2.37525	0.74	0.0675	4820	10.89	5.1
3.383	-	13.21004	4.12505	0.95	0.0513	24081	13.74	8.9
4.200	-	73.00955	18.66491	0.54	0.0706	19610	7.87	40.1
4.329	-	6.40297	2.30679	0.76	0.0459	49269	1.30	5.0
4.456	-	53.17580	11.79698	0.57	0.0791	17590	1.20	25.4
4.591	-	13.84341	4.34261	13.16	-	-	2.25	9.3
4.626	-	35.44576	15.31430	0.54	0.0428	64610	1.20	32.9
5.261	-	9.50669	2.05687	1.42	0.0675	33697	6.76	4.4
5.887	-	6.62689	2.61249	1.03	0.0444	97112	6.57	5.6
6.486	-	5.27247	1.32886	1.37	0.0533	81893	7.20	2.9

Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000010.D
Sample Name: SPE 0.005ppm

Signal 5: DAD1 E, Sig=273,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
7.000	7.500	0.1948	0.1203	-	-	-42.423

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
0.528	-	102.99094	10.82052	1.59	0.1514	68	-	55.6
0.680	-	39.76707	9.20233	0.46	0.0627	648	0.83	47.2
0.807	-	10.11776	1.85321	0.22	0.0613	969	1.20	9.5
3.383	-	31.07891	9.47871	0.89	0.0520	23467	26.71	48.7
3.827	-	9.65658	1.39658	1.17	0.1167	5953	3.09	7.2
4.199	-	18.03322	4.91174	0.56	0.0545	32811	2.56	25.2
4.452	-	11.81607	3.06441	0.77	0.0606	29931	2.58	15.7
4.629	-	41.27140	12.74430	1.18	0.0500	47525	1.88	65.4
5.250	-	12.77841	3.80233	1.03	0.0553	49891	6.92	19.5
6.487	-	7.46584	1.89543	1.84	0.0600	64706	12.61	9.7

Signal 6: DAD1 F, Sig=280,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
7.000	7.500	0.1546	9.626e-2	-	-	-35.251

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
0.533	-	105.55666	10.51437	1.66	0.1552	66	-	68.0
0.683	-	35.89750	7.72175	0.42	0.0717	505	0.78	49.9
0.807	-	9.04121	1.80333	0.24	0.0558	1172	1.14	11.7
3.383	-	26.76287	8.11799	0.88	0.0527	22877	27.92	52.5
3.823	-	17.50550	2.65276	0.92	0.1100	6696	3.17	17.2
4.200	-	13.44201	2.95242	0.42	0.0753	17201	2.39	19.1
4.456	-	9.34944	1.79431	1.06	0.0789	17689	1.95	11.6
4.627	-	15.08906	3.26050	1.86	0.0844	16614	1.23	21.1
5.247	-	11.91160	3.74040	0.98	0.0533	53567	5.29	24.2
5.554	-	5.31395	1.33271	0.92	0.0637	42066	3.07	8.6
6.487	-	9.12495	2.43902	1.72	0.0563	73500	9.14	15.8

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*** End of Report ***

Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000011.D
Sample Name: SPE 0.01ppe

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==========================================================================
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Injection Date  : 3/21/2014 2:39:30 PM                 Inj :   1
                                                  Inj Volume : 95.000 µl
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Last changed    : 3/22/2014 12:05:51 PM by SYSTEM
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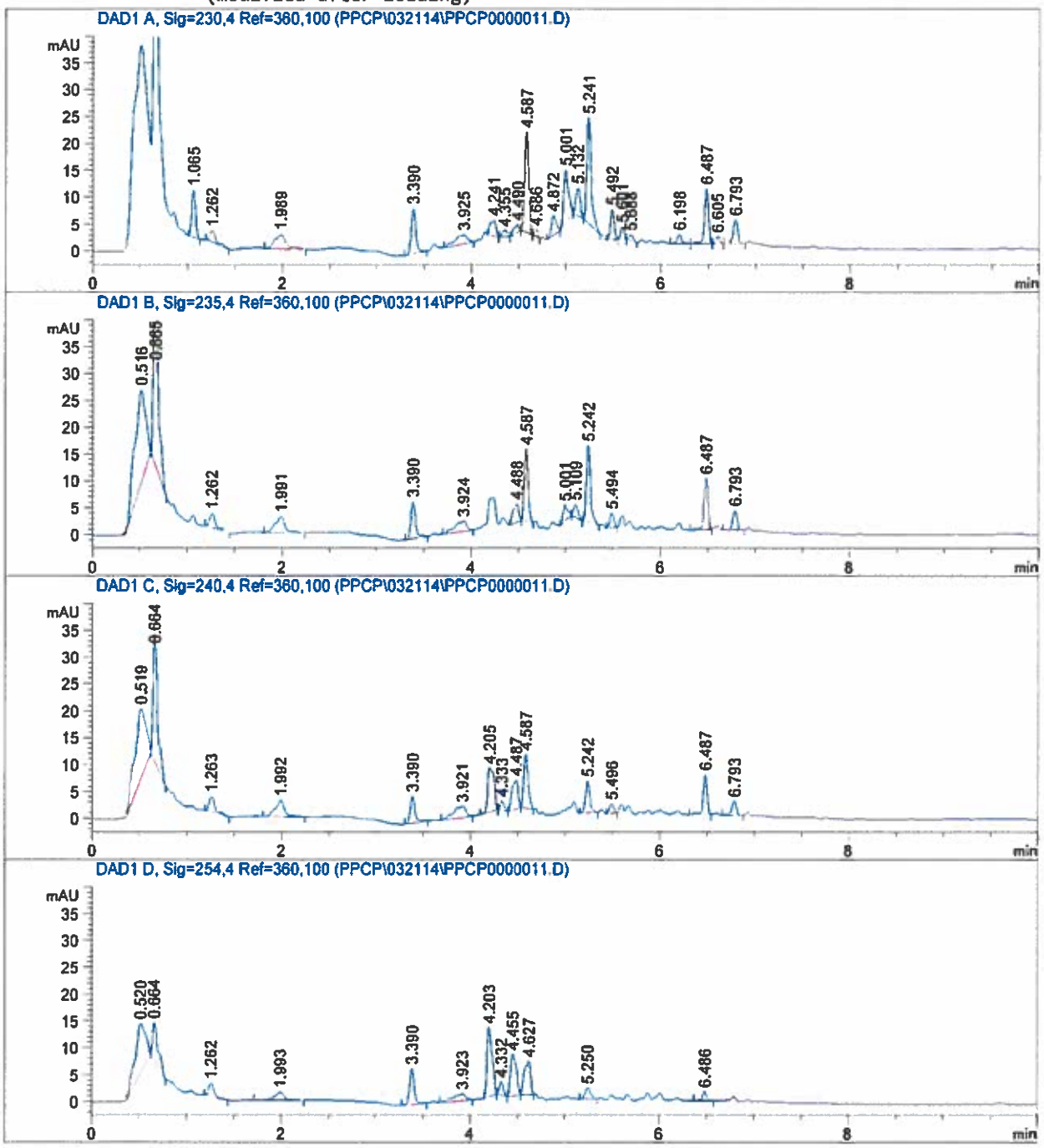
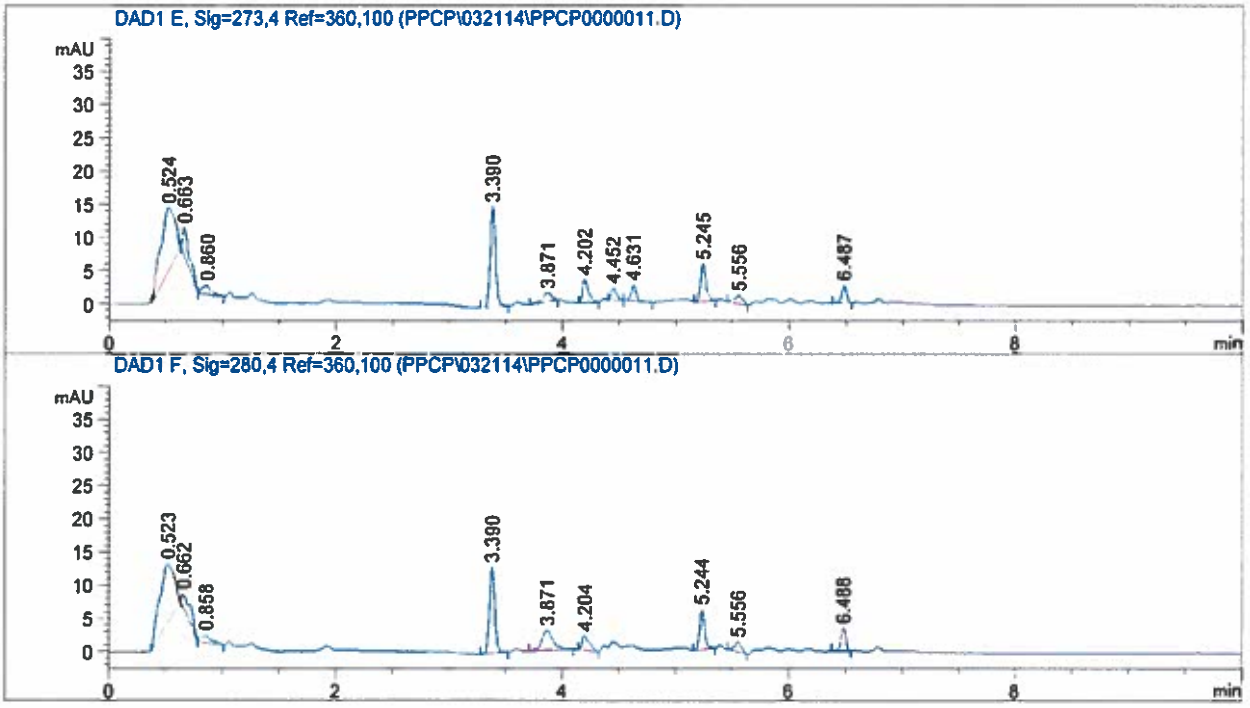


Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000011.D
Sample Name: SPE 0.01ppe



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Area Percent Report with Performance and Noise

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Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=230,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
7.000	7.500	0.5376	0.3595	-	-	-84.854

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.065	-	24.84856	8.74019	0.94	0.0467	2866	-	16.3
1.262	-	9.59492	2.06571	0.54	0.0630	2224	2.11	3.8
1.989	-	20.77274	2.64652	1.39	0.1267	1365	4.50	4.9
3.390	-	28.52755	8.38795	0.85	0.0533	22358	9.15	15.6
3.925	-	15.68885	1.64119	2.87	0.1267	5310	3.49	3.1
4.241	-	12.33273	2.94180	1.95	0.0776	16543	1.82	5.5
4.355	-	4.66747	1.12009	1.17	0.0718	20400	0.90	2.1
4.490	-	6.01208	1.37232	3.11	0.0681	24029	1.14	2.6
4.587	-	51.95424	18.54632	0.97	0.0459	55397	0.99	34.5
4.686	-	2.67263	1.15685	0.76	0.0404	74437	1.35	2.2

Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000011.D
Sample Name: SPE 0.01ppe

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
4.872	-	13.28316	3.58428	0.79	0.0672	29171	2.03	6.7
5.001	-	36.01944	9.87819	0.71	0.0646	33225	1.15	18.4
5.132	-	15.59175	5.07734	1.03	0.0522	53695	1.32	9.4
5.241	-	62.00876	19.50474	0.73	0.0494	62255	1.26	36.3
5.492	-	15.60877	5.56067	0.97	0.0467	76806	3.07	10.3
5.601	-	5.79624	2.37389	1.05	0.0407	105107	1.46	4.4
5.688	-	3.49205	1.05856	0.74	0.0561	56931	1.05	2.0
6.198	-	5.82809	1.67479	0.89	0.0509	82206	5.61	3.1
6.487	-	29.89257	10.17487	1.18	0.0473	104358	3.46	18.9
6.605	-	4.08426	1.23103	1.04	0.0557	78013	1.35	2.3
6.793	-	14.37548	4.46280	1.09	0.0526	92472	2.04	8.3
11.159	-	41.89072	4.41759	1.89	0.1222	46201	29.35	8.2
13.525	-	241.54529	3.72295	1.75	1.1200	808	2.24	6.9

Signal 2: DAD1 B, Sig=235,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
7.000	7.500	0.3379	0.2021	-	-	-68.688

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
0.516	-	142.13042	17.36055	1.53	0.1325	84	-	51.4
0.665	-	137.42990	44.65981	0.64	0.0456	1164	0.98	132.2
1.262	-	12.27514	2.58553	0.56	0.0642	2141	6.39	7.7
1.991	-	22.29528	3.00846	1.31	0.1167	1609	4.73	8.9
3.390	-	23.82824	6.84586	0.81	0.0526	22992	9.71	20.3
3.924	-	16.61456	1.84946	3.07	0.1253	5423	3.53	5.5
4.488	-	14.77622	3.37312	2.20	0.0752	19713	3.31	10.0
4.587	-	38.40160	13.48278	0.88	0.0477	51272	0.94	39.9
5.001	-	9.78575	2.78628	0.83	0.0767	23577	3.91	8.2
5.109	-	7.35235	2.31980	0.64	0.0506	56485	1.00	6.9
5.242	-	44.24639	14.28472	0.80	0.0494	62255	1.56	42.3
5.494	-	7.76284	2.59915	0.95	0.0503	66103	2.97	7.7
6.487	-	28.20131	9.54223	1.18	0.0475	103362	11.93	28.2
6.793	-	12.18376	3.74984	1.13	0.0526	92472	3.59	11.1
11.159	-	35.81829	3.71547	1.94	0.1211	47029	29.53	11.0

Signal 3: DAD1 C, Sig=240,4 Ref=360,100

Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000011.D
Sample Name: SPE 0.01ppe

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
7.000	7.500	0.2612	0.1509	-	-	-61.366

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
0.519	-	96.81219	12.78040	1.35	0.1242	98	-	48.9
0.664	-	75.25969	24.00476	0.57	0.0446	1218	1.01	91.9
1.263	-	13.05666	2.88025	0.59	0.0625	2257	6.56	11.0
1.992	-	21.33026	3.05621	1.27	0.1022	2110	5.20	11.7
3.390	-	18.16354	4.97997	0.73	0.0533	22358	10.56	19.1
3.921	-	18.51608	2.01557	2.94	0.1292	5106	3.42	7.7
4.205	-	39.07712	8.17664	0.50	0.0842	13824	1.57	31.3
4.333	-	5.12804	1.70220	0.70	0.0486	44023	1.13	6.5
4.487	-	24.58563	5.35255	2.09	0.0788	17994	1.42	20.5
4.587	-	31.75593	10.03673	0.72	0.0506	45629	0.92	38.4
5.242	-	19.24896	5.91229	0.88	0.0507	59288	7.59	22.6
5.496	-	5.49961	1.72923	0.93	0.0540	57362	2.86	6.6
6.487	-	22.25876	7.44616	1.20	0.0475	103362	11.47	28.5
6.793	-	9.03397	2.69859	1.20	0.0533	89921	3.57	10.3
11.159	-	26.75476	2.68166	2.04	0.1222	46201	29.22	10.3

Signal 4: DAD1 D, Sig=254,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
7.000	7.500	0.3255	0.2129	-	-	-50.990

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
0.520	-	69.18675	9.13539	1.20	0.1300	89	-	28.1
0.664	-	27.24429	6.88043	0.36	0.0467	1113	0.95	21.1
1.262	-	10.24437	2.45621	0.68	0.0617	2318	6.49	7.5
1.993	-	11.45172	1.58977	1.20	0.0987	2264	5.35	4.9
3.390	-	22.47404	6.69362	0.87	0.0527	22927	10.85	20.6
3.923	-	11.97235	1.26122	2.82	0.1286	5154	3.46	3.9
4.203	-	50.07877	12.88499	0.55	0.0700	19958	1.66	39.6
4.332	-	7.37199	2.56606	0.79	0.0471	47007	1.30	7.9
4.455	-	33.47786	7.74757	0.54	0.0769	18597	1.16	23.8
4.627	-	29.23584	6.30490	2.21	0.0837	16937	1.26	19.4
5.250	-	8.55088	2.03222	0.89	0.0667	34332	4.87	6.2
6.486	-	5.55774	1.74630	1.15	0.0493	95822	12.52	5.4

Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000011.D
Sample Name: SPE 0.01ppe

Signal 5: DAD1 E, Sig=273,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
7.000	7.500	0.1698	9.470e-2	-	-	-40.278

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
0.524	-	79.98884	9.32096	1.33	0.1408	76	-	54.9
0.663	-	16.59266	4.28503	0.31	0.0429	1320	0.89	25.2
0.860	-	7.45673	1.33568	0.84	0.0852	567	1.81	7.9
3.390	-	49.62489	15.12036	0.90	0.0527	22927	21.56	89.0
3.871	-	7.87112	1.32785	1.22	0.0919	9859	3.92	7.8
4.202	-	12.32481	3.44885	0.60	0.0533	34380	2.68	20.3
4.452	-	6.09124	1.82877	0.64	0.0538	37919	2.74	10.8
4.631	-	7.67633	2.37937	0.96	0.0493	48757	2.04	14.0
5.245	-	17.92911	5.56147	0.86	0.0520	56287	7.11	32.7
5.556	-	5.55821	1.17171	0.92	0.0775	28460	2.83	6.9
6.487	-	7.91046	2.60406	1.18	0.0487	98465	8.67	15.3

Signal 6: DAD1 F, Sig=280,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
7.000	7.500	0.1523	0.1002	-	-	-34.826

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
0.523	-	77.81001	8.80549	1.28	0.1475	69	-	57.8
0.662	-	15.12135	2.14942	0.14	0.0496	985	0.83	14.1
0.858	-	6.67573	1.07889	0.68	0.0858	549	1.70	7.1
3.390	-	42.48037	12.94103	0.90	0.0527	22927	21.48	85.0
3.871	-	20.85150	2.98785	0.77	0.1000	8289	3.71	19.6
4.204	-	10.04920	2.17778	0.43	0.0740	17858	2.24	14.3
5.244	-	18.62323	5.89469	0.83	0.0507	59288	9.80	38.7
5.556	-	6.46700	1.48882	0.87	0.0700	34886	3.04	9.8
6.488	-	10.02180	3.36284	1.15	0.0480	101220	9.28	22.1

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*** End of Report ***

Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000012.D
Sample Name: SPE 0.25ppm

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Acq. Operator : SYSTEM Seq. Line : 12
Acq. Instrument : HPLC Location : Vial 6
Injection Date : 3/21/2014 2:56:19 PM Inj : 1
Inj Volume : 95.000 µl

Acq. Method : C:\CHEM32\1\METHODS\KENT METHODS\032114VJR1.M
Last changed : 3/21/2014 11:49:11 AM by SYSTEM
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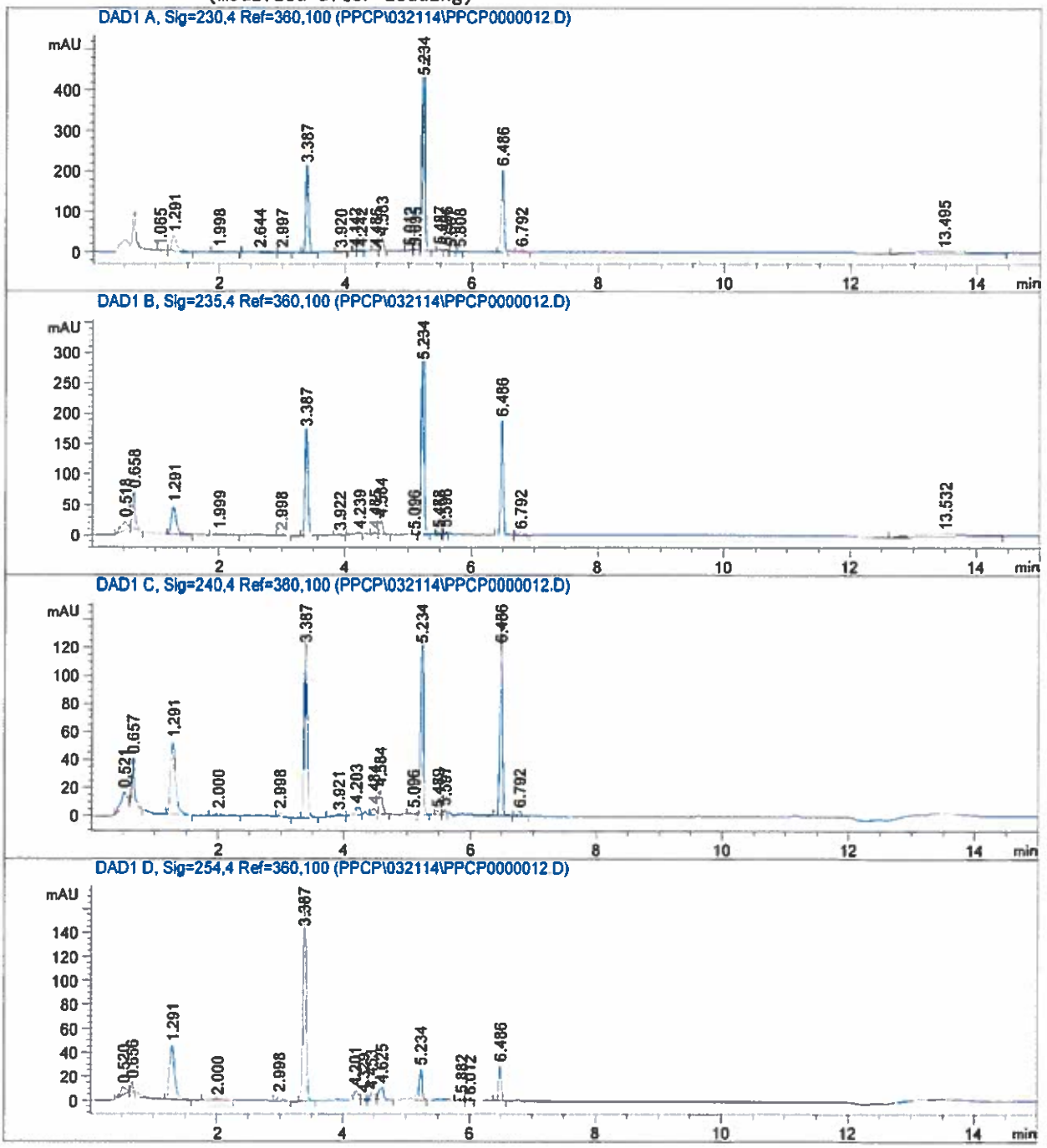
Last changed : 3/22/2014 12:07:39 PM by SYSTEM
(modified after loading)



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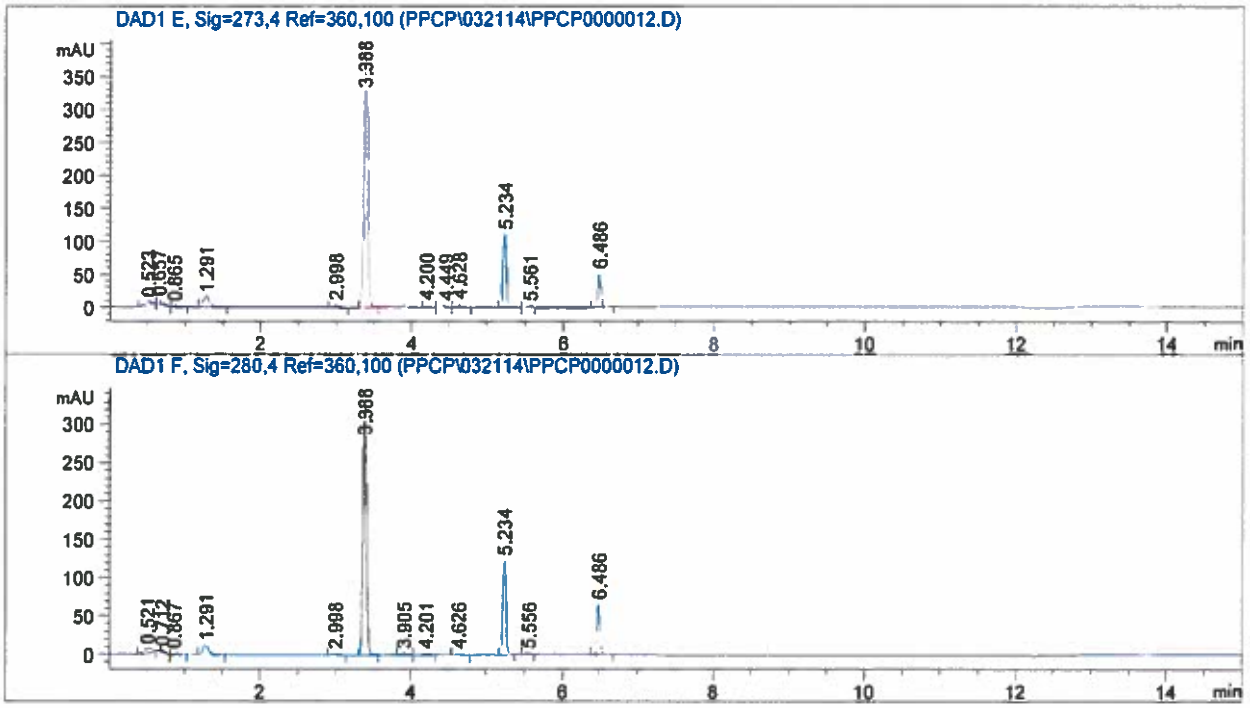
Sample Name: SPE 0.25ppm



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Area Percent Report with Performance and Noise

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Multiplier : 1.0000
Dilution : 1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=230,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
7.000	7.500	0.2797	0.1858	-	-	-70.026

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.065	-	3.74126	1.04973	0.61	0.0539	2172	-	3.8
1.291	-	223.98027	38.24566	0.86	0.0895	1145	1.85	136.7
1.998	-	10.45055	1.75179	0.70	0.0800	3464	4.90	6.3
2.644	-	14.51054	1.18891	0.86	0.1707	1333	3.03	4.3
2.997	-	8.30626	1.64354	0.78	0.0775	8267	1.67	5.9
3.387	-	699.21997	212.68205	0.88	0.0528	22821	3.52	760.4
3.920	-	6.81156	1.11510	1.18	0.1259	5370	3.50	4.0
4.142	-	2.23995	1.07883	1.53	0.0351	77141	1.62	3.9
4.242	-	6.10316	1.60925	1.93	0.0758	17357	1.06	5.8
4.486	-	4.44545	1.07540	2.40	0.0652	26208	2.03	3.8

Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000012.D
Sample Name: SPE 0.25ppm

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
4.583	-	84.02725	30.09736	0.93	0.0472	52217	1.02	107.6
5.012	-	6.63122	1.75254	1.70	0.0605	38077	4.68	6.3
5.095	-	4.11667	1.50920	0.61	0.0400	89839	0.97	5.4
5.234	-	1388.52393	506.05029	0.95	0.0460	71727	1.89	1809.3
5.487	-	20.37067	7.52056	1.01	0.0449	82778	3.28	26.9
5.596	-	14.00455	5.45357	1.08	0.0426	95554	1.46	19.5
5.667	-	2.91414	1.00318	0.44	0.0421	100359	0.99	3.6
5.808	-	4.44815	1.59927	1.14	0.0477	82135	1.85	5.7
6.486	-	557.05206	202.76607	0.97	0.0465	107731	8.45	725.0
6.792	-	16.36591	5.08787	1.06	0.0513	97035	3.68	18.2
13.495	-	241.77075	3.76036	1.54	1.1267	795	6.69	13.4

Signal 2: DAD1 B, Sig=235,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
7.000	7.500	0.2158	0.1341	-	-	-62.448

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
0.518	-	97.89213	13.20381	1.71	0.1104	123	-	61.2
0.658	-	174.53401	59.56746	0.73	0.0462	1134	1.05	276.0
1.291	-	266.76071	45.22641	0.84	0.0900	1145	5.46	209.5
1.999	-	11.44543	1.96733	0.73	0.0789	3562	4.93	9.1
2.998	-	10.39734	2.07530	0.80	0.0771	8381	7.52	9.6
3.387	-	571.08582	173.34697	0.88	0.0527	22885	3.53	803.2
3.922	-	6.98178	1.21432	1.34	0.0948	9472	4.26	5.6
4.239	-	17.80224	3.06370	3.09	0.0853	13637	2.06	14.2
4.485	-	10.48897	2.48321	2.07	0.0729	21013	1.83	11.5
4.584	-	68.74466	22.45555	0.75	0.0487	48971	0.95	104.0
5.096	-	5.21167	2.09095	0.83	0.0417	82796	6.66	9.7
5.234	-	924.33655	336.36777	0.96	0.0460	71732	1.85	1558.5
5.488	-	9.55572	3.45187	1.00	0.0462	78071	3.24	16.0
5.596	-	11.14085	4.49073	1.12	0.0433	92315	1.42	20.8
6.486	-	525.68414	188.81062	0.95	0.0465	107994	11.64	874.8
6.792	-	14.00032	4.29004	1.08	0.0513	97035	3.68	19.9
13.532	-	230.06668	3.59051	1.72	1.1133	819	6.80	16.6

Signal 3: DAD1 C, Sig=240,4 Ref=360,100

Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000012.D
Sample Name: SPE 0.25ppm

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
7.000	7.500	0.1903	0.1181	-	-	-58.265

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
0.521	-	65.73048	9.95160	1.42	0.1096	125	-	52.3
0.657	-	93.29867	32.02300	0.69	0.0446	1189	1.04	168.3
1.291	-	302.58276	51.14317	0.84	0.0900	1145	5.53	268.7
2.000	-	11.30505	1.98225	0.75	0.0773	3707	4.98	10.4
2.998	-	13.13229	2.64842	0.82	0.0762	8592	7.64	13.9
3.387	-	416.61636	125.98941	0.87	0.0526	22978	3.55	662.0
3.921	-	8.37881	1.37733	1.50	0.0904	10426	4.38	7.2
4.203	-	23.75908	4.92991	0.50	0.0847	13679	1.89	25.9
4.484	-	17.53569	3.93564	2.05	0.0774	18546	2.04	20.7
4.584	-	58.04195	16.93262	0.61	0.0517	43668	0.91	89.0
5.096	-	7.42512	1.95835	1.73	0.0557	46308	5.60	10.3
5.234	-	354.46811	128.09076	0.96	0.0464	70550	1.59	673.0
5.489	-	6.45496	2.24379	0.99	0.0476	73558	3.19	11.8
5.597	-	7.37182	3.09151	1.15	0.0419	98716	1.42	16.2
6.486	-	401.60028	144.39435	0.96	0.0465	108024	11.82	758.7
6.792	-	10.36530	3.09046	1.15	0.0526	92444	3.64	16.2

Signal 4: DAD1 D, Sig=254,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
7.000	7.500	0.2270	0.1540	-	-	-48.892

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
0.520	-	40.21318	6.43037	1.14	0.1200	104	-	28.3
0.656	-	18.25775	7.92056	0.94	0.0395	1516	1.00	34.9
1.291	-	264.18134	44.81628	0.84	0.0900	1145	5.75	197.4
2.000	-	5.99899	1.03684	0.85	0.0789	3562	4.94	4.6
2.998	-	20.62035	4.24732	0.84	0.0733	9274	7.71	18.7
3.387	-	562.45984	171.16452	0.88	0.0527	22881	3.63	753.9
4.201	-	30.69559	7.95751	0.55	0.0700	19948	7.79	35.1
4.329	-	7.09343	2.46748	0.83	0.0471	46840	1.29	10.9
4.453	-	23.61079	5.31624	0.55	0.0782	17960	1.16	23.4
4.625	-	54.00853	10.58562	1.76	0.0867	15746	1.22	46.6
5.234	-	73.56300	25.50320	0.93	0.0479	66233	5.33	112.3
5.882	-	6.12884	2.18103	1.36	0.0429	104299	8.39	9.6

Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000012.D
Sample Name: SPE 0.25ppm

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
6.012	-	5.72002	1.51528	1.64	0.0840	28395	1.21	6.7
6.486	-	79.67610	28.78578	0.97	0.0465	107993	4.27	126.8

Signal 5: DAD1 E, Sig=273,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
7.000	7.500	0.1031	6.388e-2	-	-	-34.348

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
0.523	-	33.41877	4.95261	1.19	0.1326	85	-	48.0
0.657	-	24.70287	5.88393	0.30	0.0441	1217	0.89	57.1
0.865	-	9.62261	1.84353	0.43	0.1044	382	1.64	17.9
1.291	-	91.11938	15.76687	0.87	0.0900	1145	2.57	152.9
2.998	-	16.25614	3.42607	0.85	0.0724	9520	12.35	33.2
3.388	-	1273.37073	387.60196	0.88	0.0529	22754	3.66	3759.2
4.200	-	8.19876	2.16526	0.54	0.0552	32135	8.84	21.0
4.449	-	6.06204	1.42780	0.98	0.0611	29337	2.52	13.8
4.628	-	13.07950	3.85278	1.01	0.0500	47444	1.89	37.4
5.234	-	304.90799	109.78923	0.94	0.0461	71544	7.42	1064.8
5.561	-	5.50979	1.10111	0.81	0.0800	26828	3.04	10.7
6.486	-	140.65259	50.43660	0.95	0.0463	108594	8.60	489.2

Signal 6: DAD1 F, Sig=280,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
7.000	7.500	9.457e-2	5.589e-2	-	-	-30.176

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
0.521	-	31.16625	4.46736	1.14	0.1319	86	-	47.2
0.712	-	6.92633	1.31021	0.14	-	-	1.82	13.9
0.867	-	10.29736	1.78823	0.41	0.1486	189	1.29	18.9
1.291	-	69.49673	12.04004	0.87	0.0900	1145	2.09	127.3
2.998	-	8.30727	1.75189	0.87	0.0733	9274	12.28	18.5
3.388	-	1089.97595	331.77551	0.88	0.0529	22723	3.63	3508.3

Data File C:\CHEM32\1\DATA\PPCP\032114\PPCP0000012.D
Sample Name: SPE 0.25ppm

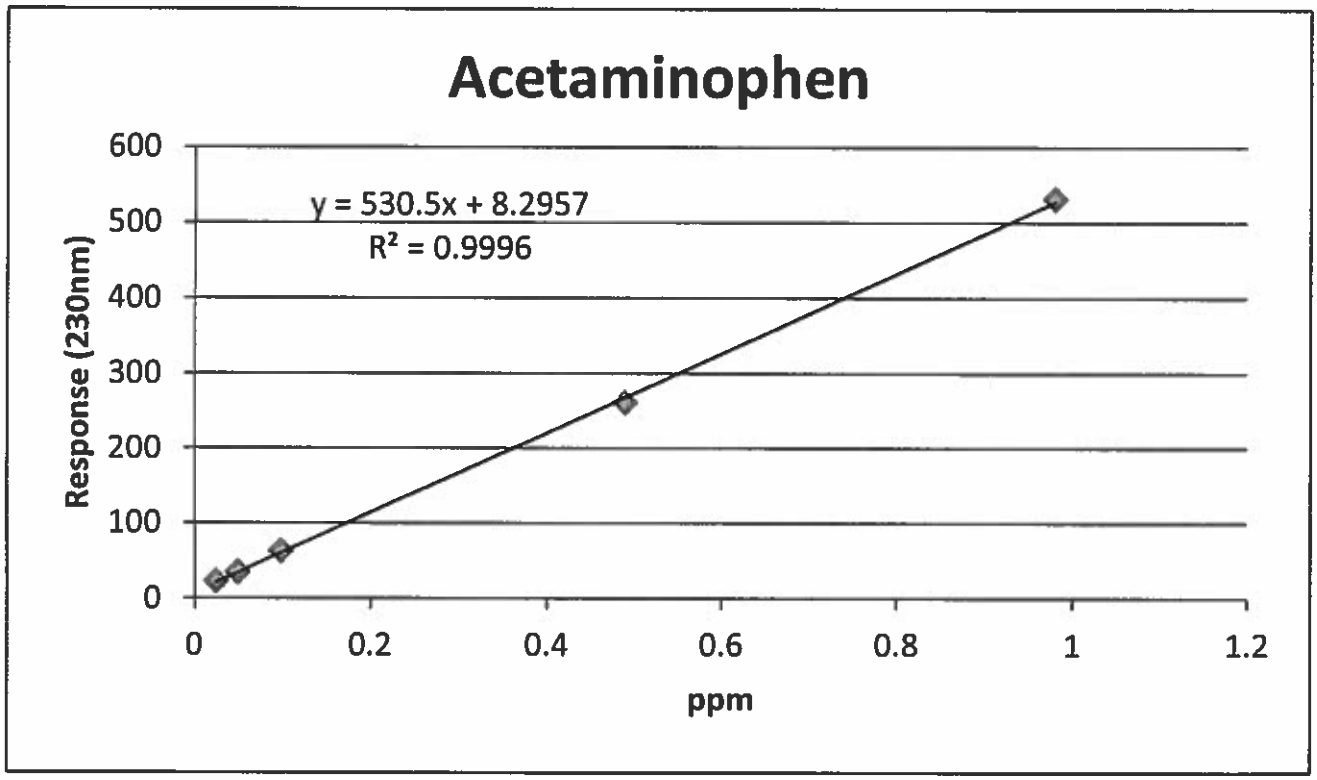
RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
3.905	-	9.60069	1.74445	0.79	0.0867	11259	4.36	18.4
4.201	-	9.22016	1.54654	0.62	0.0876	12732	2.00	16.4
4.626	-	5.06266	1.00599	1.30	0.0867	15791	2.86	10.6
5.234	-	336.77921	122.61492	0.95	0.0458	72254	5.39	1296.6
5.556	-	6.30160	1.39448	0.74	0.0752	30259	3.12	14.7
6.486	-	183.70438	65.99607	0.95	0.0462	109005	8.99	697.9

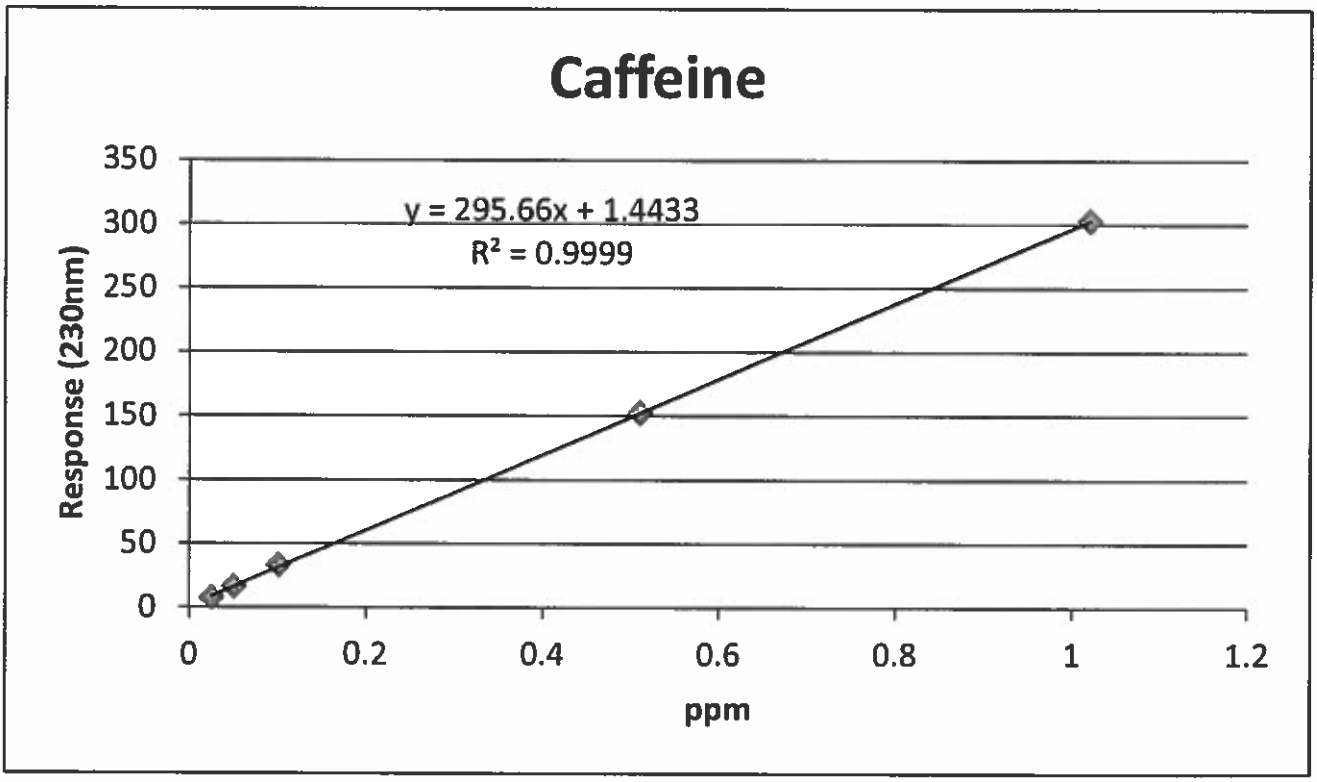
==========

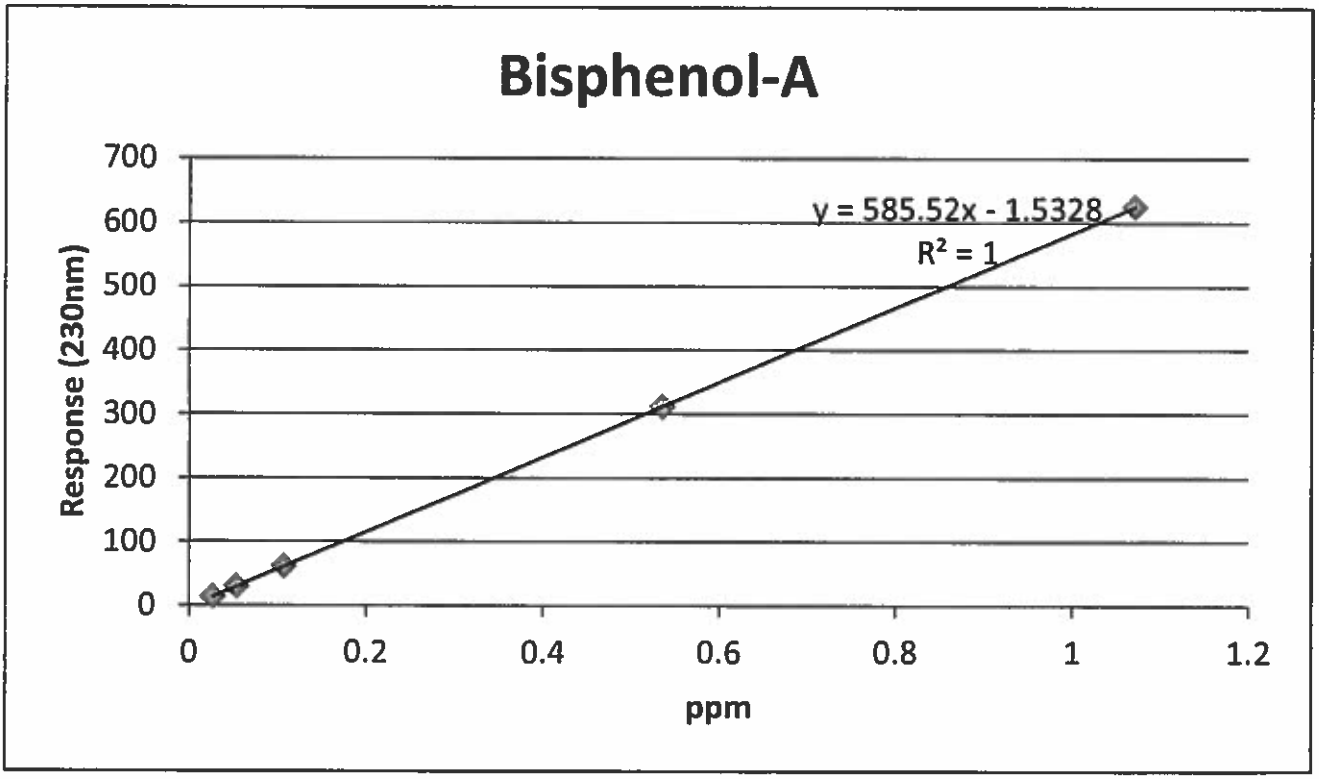
*** End of Report ***

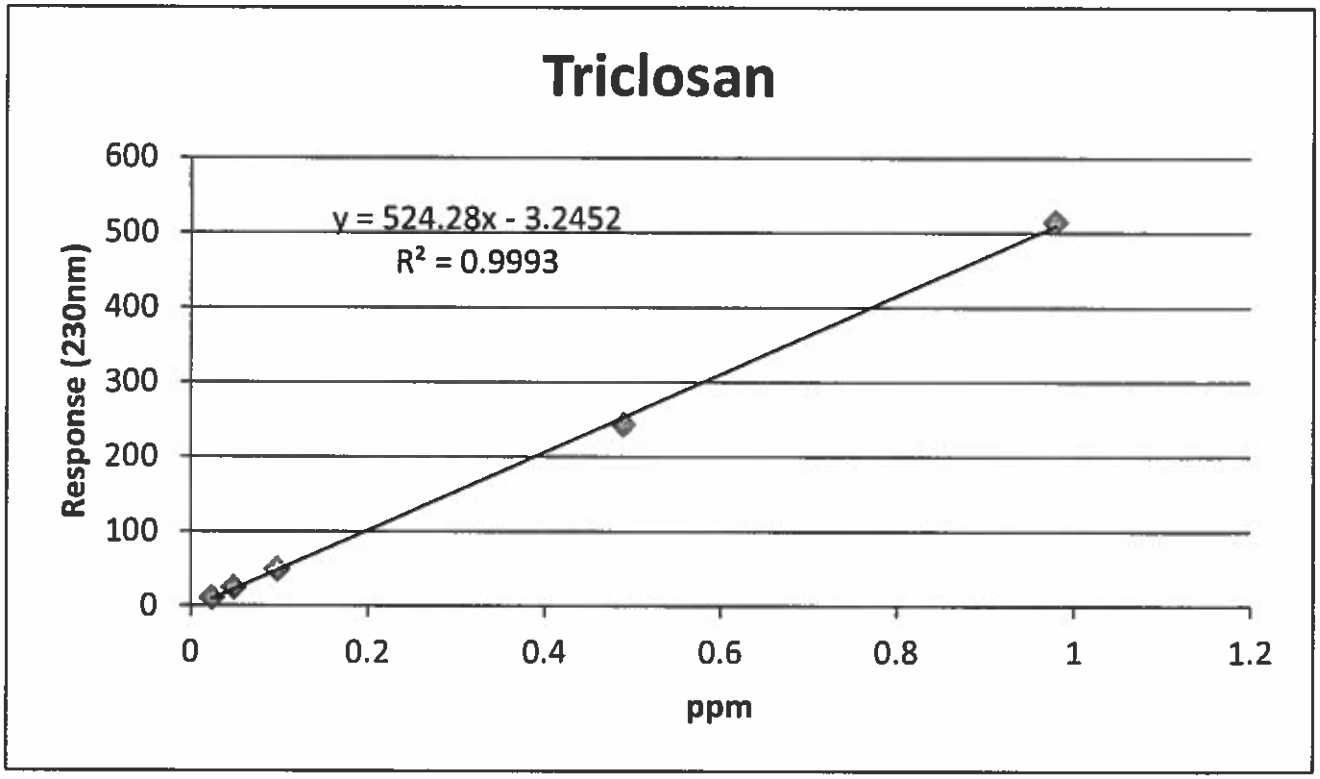
Appendix E

Data Sheet 040414


Acetaminophen
y = 530.5x + 8.2957
R² = 0.9996
Response (230nm)
600
500
400
300
200
100
0
0
0.2
0.4
0.6
0.8
1
1.2
ppm

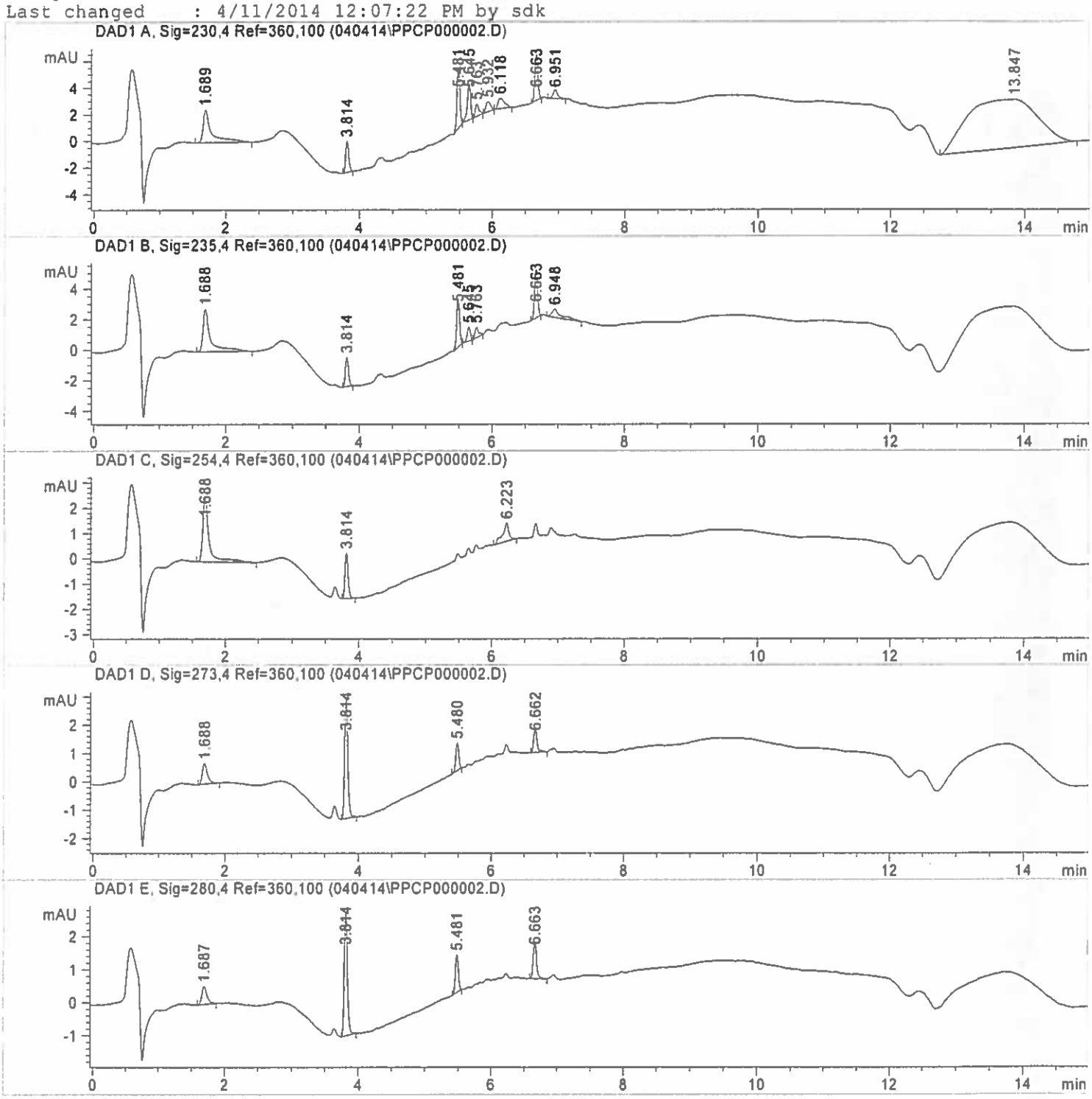

Caffeine
y = 295.66x + 1.4433
R² = 0.9999
Response (230nm)
350
300
250
200
150
100
50
0
0
0.2
0.4
0.6
0.8
1
1.2
ppm


Bisphenol-A
Response (230nm)
700
600
500
400
300
200
100
0
0
0.2
0.4
0.6
0.8
1
1.2
ppm
y = 585.52x - 1.5328
R² = 1


Triclosan
y = 524.28x - 3.2452
R² = 0.9993
Response (230nm)
600
500
400
300
200
100
0
0
0.2
0.4
0.6
0.8
1
1.2
ppm

Data File D:\DATA\040414\PPCP000002.D
Sample Name: 0.025ppm PPCP

Acq. Operator	: sdk	Seq. Line	: 2
Acq. Instrument	: Instrument 1	Location	: Vial 2
Injection Date	: 4/4/2014 9:52:56 AM	Inj	: 1
		Inj Volume	: 95 µl
Acq. Method	: D:\Methods\PPCP0414.M		
Last changed	: 4/4/2014 9:49:57 AM by sdk		
Analysis Method	: D:\Kentmethods\LCMSdefault.m		
Last changed	: 4/11/2014 12:07:22 PM by sdk		



Area Percent Report with Performance and Noise

Multiplier : 1.0000

Data File D:\DATA\040414\PPCP000002.D
Sample Name: 0.025ppm PPCP

Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=230,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.2221	0.1367	-	-	17.000

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.689	-	22.70002	2.46415	0.32	0.0867	2103	-	11.1
3.814	-	7.66213	2.34354	0.84	0.0520	29802	18.01	10.6
5.481	-	13.86968	4.51562	0.96	0.0495	67846	19.29	20.3
5.645	-	9.51691	2.75411	1.25	0.0523	64511	1.89	12.4
5.763	-	3.66391	9.34381e-1	0.69	0.0612	49169	1.23	4.2
5.932	-	3.65837	7.54029e-1	0.83	0.0846	27232	1.36	3.4
6.118	-	5.41611	7.79419e-1	0.54	0.1144	15832	1.09	3.5
6.663	-	11.05265	3.41374	0.97	0.0513	93336	3.86	15.4
6.951	-	3.39413	6.73709e-1	0.86	0.0695	55375	2.80	3.0
13.847	-	268.14124	3.64984	1.99	1.2000	738	6.38	16.4

Signal 2: DAD1 B, Sig=235,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.1964	0.1337	-	-	8.514

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.688	-	22.53065	2.77286	0.37	0.0844	2215	-	14.1
3.814	-	6.28889	1.92477	0.84	0.0520	29802	18.30	9.8
5.481	-	9.89365	3.17393	0.93	0.0497	67251	19.25	16.2
5.645	-	3.02503	9.12567e-1	1.22	0.0510	67929	1.92	4.6
5.763	-	2.67584	6.90166e-1	0.65	0.0573	55969	1.28	3.5
6.663	-	10.15632	3.15931	0.98	0.0513	93337	9.73	16.1
6.948	-	5.51596	5.58794e-1	0.38	0.0920	31600	2.34	2.8

Signal 3: DAD1 C, Sig=254,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.1172	7.135e-2	-	-	7.134

Data File D:\DATA\040414\PPCP000002.D
Sample Name: 0.025ppm PPCP

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.688	-	17.26866	2.51926	0.45	0.0800	2466	-	21.5
3.814	-	5.89262	1.78958	0.83	0.0513	30576	19.02	15.3
6.223	-	4.79755	7.26961e-1	1.81	0.0722	41132	22.91	6.2

Signal 4: DAD1 D, Sig=273,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.1055	6.911e-2	-	-	12.568

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.688	-	4.00351	7.25713e-1	0.64	0.0790	2525	-	6.9
3.814	-	14.32190	4.23324	0.78	0.0520	29800	19.06	40.1
5.480	-	3.09782	9.71008e-1	0.98	0.0507	64816	19.07	9.2
6.662	-	3.10768	8.47293e-1	0.75	0.0526	88905	13.45	8.0

Signal 5: DAD1 E, Sig=280,4 Ref=360,100

Noise determination:

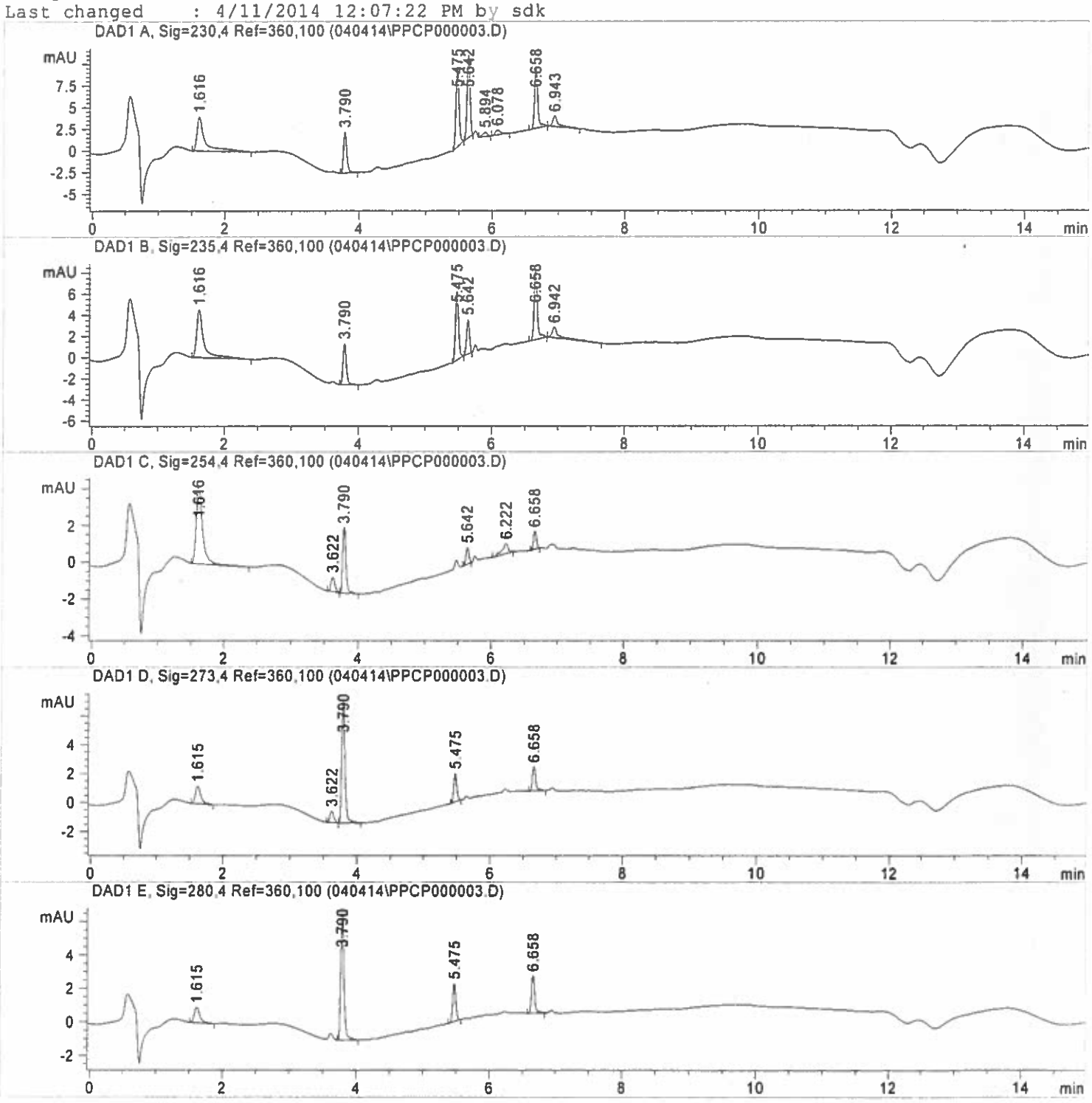
Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	7.544e-2	5.148e-2	-	-	12.943

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.687	-	2.97413	5.47948e-1	0.69	0.0790	2524	-	7.3
3.814	-	12.63116	3.73031	0.77	0.0520	29800	19.07	49.4
5.481	-	3.63197	1.13775	0.94	0.0513	63149	18.95	15.1
6.663	-	3.96595	1.12297	0.81	0.0519	91480	13.46	14.9

*** End of Report ***

Data File D:\DATA\040414\PPCP000003.D
Sample Name: 0.05ppm PPCP

Acq. Operator	: sdk	Seq. Line	: 3
Acq. Instrument	: Instrument 1	Location	: Vial 3
Injection Date	: 4/4/2014 10:11:04 AM	Inj	: 1
		Inj Volume	: 95 µl
Acq. Method	: D:\Methods\PPCP0414.M		
Last changed	: 4/4/2014 10:08:02 AM by sdk		
Analysis Method	: D:\Kentmethods\LCMSdefault.m		
Last changed	: 4/11/2014 12:07:22 PM by sdk		



Area Percent Report with Performance and Noise

Multiplier : 1.0000

Data File D:\DATA\040414\PPCP000003.D
Sample Name: 0.05ppm PPCP

Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=230,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.2232	0.1357	-	-	8.451

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.616	-	34.44347	3.91250	0.36	0.0911	1743	-	17.5
3.790	-	16.37176	4.74571	0.76	0.0519	29600	17.87	21.3
5.475	-	29.95694	9.31959	0.86	0.0503	65746	19.39	41.8
5.642	-	29.01983	9.59764	0.95	0.0489	73772	1.98	43.0
5.894	-	2.60786	5.21323e-1	1.46	0.0720	37119	2.45	2.3
6.078	-	3.51908	5.60592e-1	0.56	0.1010	20080	1.25	2.5
6.658	-	24.94172	7.03083	0.77	0.0519	91340	4.46	31.5
6.943	-	7.78790	1.23684	0.44	0.0640	65193	2.89	5.5

Signal 2: DAD1 B, Sig=235,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.2114	0.1405	-	-	1.746

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.616	-	35.13775	4.54572	0.43	0.0867	1926	-	21.5
3.790	-	13.47980	3.87092	0.74	0.0519	29599	18.44	18.3
5.475	-	21.17553	6.54380	0.85	0.0506	64972	19.33	31.0
5.642	-	9.75444	3.25382	0.97	0.0489	73776	1.97	15.4
6.658	-	23.28780	6.55752	0.77	0.0519	91338	11.85	31.0
6.942	-	7.84016	1.01548	0.35	0.0667	60075	2.82	4.8

Signal 3: DAD1 C, Sig=254,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.1187	7.657e-2	-	-	2.769

Data File D:\DATA\040414\PPCP000003.D
Sample Name: 0.05ppm PPCP

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.616	-	27.67372	4.27393	0.59	0.0889	1830	-	36.0
3.622	-	3.18699	7.72483e-1	0.80	0.0639	17808	15.43	6.5
3.790	-	12.36481	3.58750	0.75	0.0519	29598	1.70	30.2
5.642	-	2.73538	9.01589e-1	1.00	0.0491	73174	21.56	7.6
6.222	-	3.45449	5.50781e-1	2.01	0.0722	41115	5.62	4.6
6.658	-	3.25559	1.02070	0.95	0.0507	95662	4.17	8.6

Signal 4: DAD1 D, Sig=273,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.1072	6.702e-2	-	-	8.244

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.615	-	7.21722	1.21742	0.65	0.0867	1924	-	11.4
3.622	-	3.24011	7.94038e-1	0.82	0.0639	17809	15.67	7.4
3.790	-	29.66643	8.50754	0.75	0.0517	29812	1.71	79.3
5.475	-	6.30802	1.96823	0.89	0.0507	64685	19.34	18.4
6.658	-	5.96650	1.67197	0.74	0.0519	91337	13.56	15.6

Signal 5: DAD1 E, Sig=280,4 Ref=360,100

Noise determination:

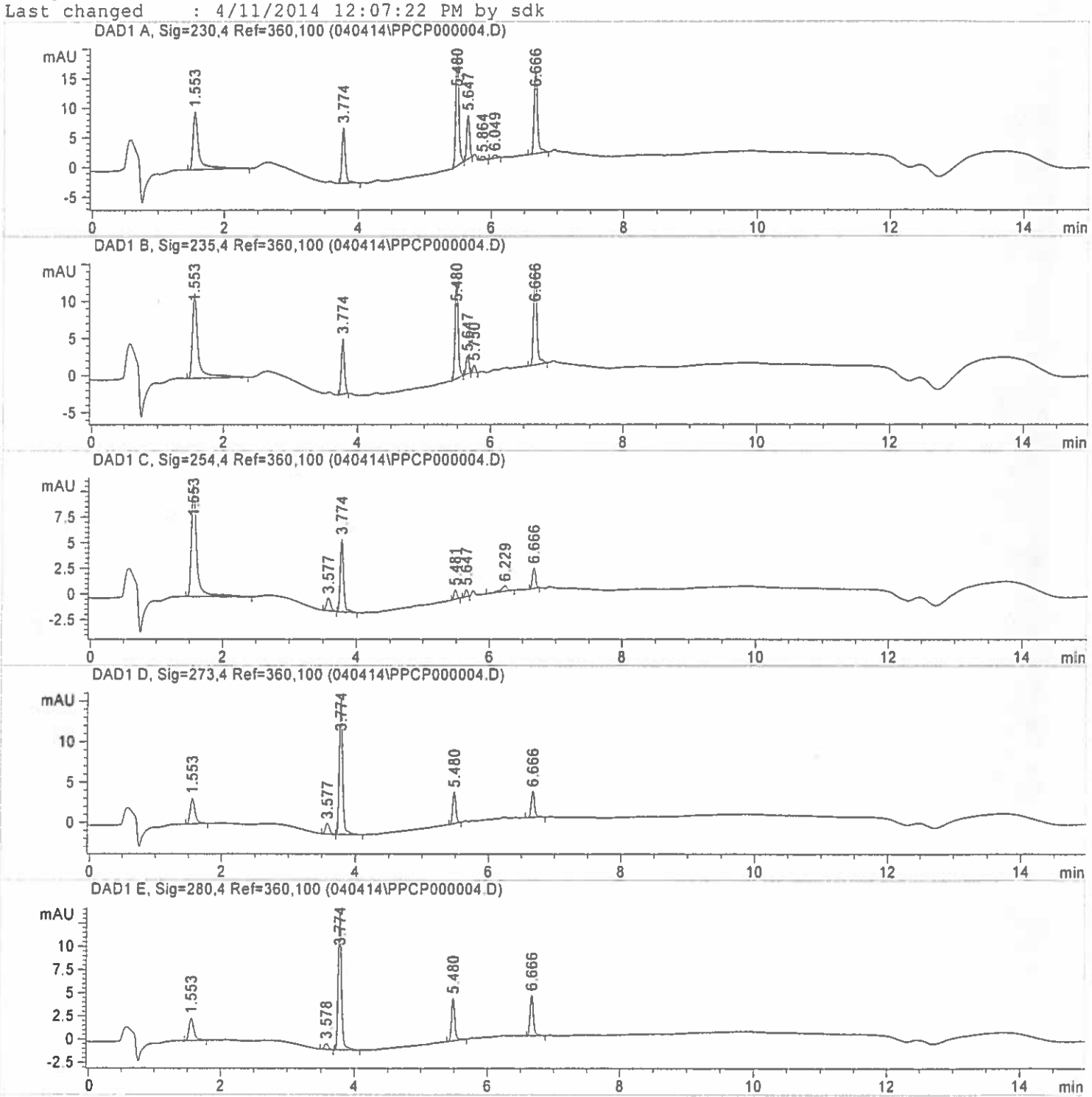
Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	6.545e-2	4.278e-2	-	-	9.181

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.615	-	5.63660	9.34391e-1	0.67	0.0867	1924	-	14.3
3.790	-	26.11141	7.46623	0.75	0.0525	28874	18.36	114.1
5.475	-	7.47992	2.29070	0.87	0.0507	64684	19.19	35.0
6.658	-	7.91839	2.24965	0.78	0.0519	91336	13.56	34.4

*** End of Report ***

Data File D:\DATA\040414\PPCP000004.D
Sample Name: 0.1ppm PPCP

Acq. Operator	: sdk	Seq. Line	: 4
Acq. Instrument	: Instrument 1	Location	: Vial 4
Injection Date	: 4/4/2014 10:29:12 AM	Inj	: 1
		Inj Volume	: 95 µl
Acq. Method	: D:\Methods\PPCP0414.M		
Last changed	: 4/4/2014 10:26:11 AM by sdk		
Analysis Method	: D:\Kentmethods\LCMSdefault.m		
Last changed	: 4/11/2014 12:07:22 PM by sdk		



Area Percent Report with Performance and Noise

Multiplier : 1.0000

Data File D:\DATA\040414\PPCP000004.D
Sample Name: 0.1ppm PPCP

Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=230,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.2262	0.1671	-	-	9.311

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.553	-	62.59246	9.80387	0.45	0.0733	2485	-	43.3
3.774	-	33.18853	9.37382	0.73	0.0524	28764	20.76	41.4
5.480	-	61.66302	18.90392	0.84	0.0506	65098	19.47	83.6
5.647	-	22.37877	7.40947	0.94	0.0489	73909	1.97	32.8
5.864	-	2.64292	5.81948e-1	0.79	0.0770	32158	2.03	2.6
6.049	-	2.75965	5.57247e-1	0.90	0.0900	25022	1.30	2.5
6.666	-	49.19521	13.90420	0.77	0.0519	91560	5.11	61.5

Signal 2: DAD1 B, Sig=235,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.2158	0.1577	-	-	3.315

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.553	-	70.78233	11.53780	0.48	0.0733	2485	-	53.5
3.774	-	24.92379	7.56703	0.84	0.0513	29949	20.93	35.1
5.480	-	42.89490	13.18764	0.84	0.0506	65099	19.67	61.1
5.647	-	7.26357	2.48078	0.98	0.0478	77390	1.99	11.5
5.750	-	2.85398	1.00925	0.93	0.0467	84120	1.29	4.7
6.666	-	45.74488	12.96746	0.78	0.0519	91560	10.92	60.1

Signal 3: DAD1 C, Sig=254,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.1210	9.178e-2	-	-	4.020

Data File D:\DATA\040414\PPCP000004.D
Sample Name: 0.1ppm PPCP

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.553	-	63.70418	10.99270	0.53	0.0733	2485	-	90.8
3.577	-	5.38483	1.25256	0.80	0.0653	16611	17.15	10.4
3.774	-	25.14534	7.11736	0.73	0.0525	28632	1.96	58.8
5.481	-	2.78245	8.96077e-1	0.94	0.0500	66566	19.56	7.4
5.647	-	2.02831	6.90176e-1	1.06	0.0479	77075	2.00	5.7
6.229	-	3.69935	5.56219e-1	1.74	0.0760	37213	5.52	4.6
6.666	-	6.52266	2.03432	0.94	0.0507	95896	4.06	16.8

Signal 4: DAD1 D, Sig=273,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	8.903e-2	7.031e-2	-	-	8.661

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.553	-	16.30607	3.20209	0.67	0.0733	2485	-	36.0
3.577	-	5.57823	1.31044	0.80	0.0655	16549	17.14	14.7
3.774	-	59.54523	16.80117	0.73	0.0522	28938	1.97	188.7
5.480	-	12.72321	3.93861	0.87	0.0500	66553	19.61	44.2
6.666	-	11.65810	3.29173	0.77	0.0519	91558	13.68	37.0

Signal 5: DAD1 E, Sig=280,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	7.769e-2	6.624e-2	-	-	8.715

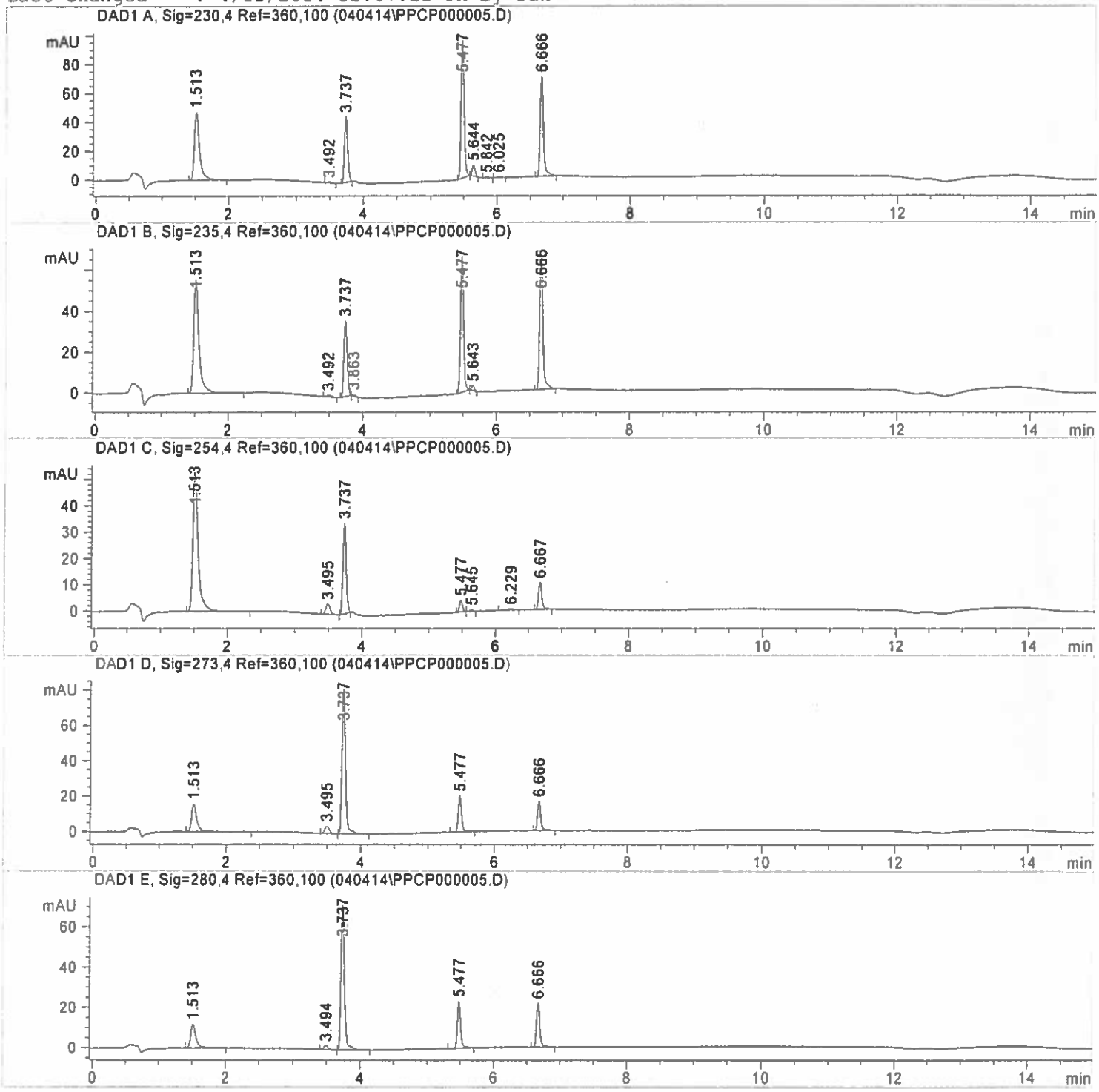
RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.553	-	12.47959	2.43833	0.67	0.0733	2485	-	31.4
3.578	-	2.63157	6.38331e-1	0.86	0.0636	17509	17.37	8.2
3.774	-	52.36397	14.75144	0.73	0.0522	28938	2.00	189.9
5.480	-	16.09584	4.62924	0.75	0.0508	64388	19.45	59.6
6.666	-	15.44404	4.42564	0.79	0.0517	92215	13.59	57.0

*** End of Report ***

Data File D:\DATA\040414\PPCP000005.D
Sample Name: 0.5ppm PPCP

Acq. Operator	: sdk	Seq. Line	: 5
Acq. Instrument	: Instrument 1	Location	: Vial 5
Injection Date	: 4/4/2014 10:47:16 AM	Inj	: 1
		Inj Volume	: 95 µl

Acq. Method : D:\Methods\PPCP0414.M
Last changed : 4/4/2014 10:44:17 AM by sdk
Analysis Method : D:\Kentmethods\LCMSdefault.m
Last changed : 4/11/2014 12:07:22 PM by sdk



Area Percent Report with Performance and Noise

Multiplier : 1.0000

Data File D:\DATA\040414\PPCP000005.D
Sample Name: 0.5ppm PPCP

Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=230,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.2469	0.2017	-	-	10.527

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.513	-	261.06558	47.12688	0.62	0.0760	2196	-	190.9
3.492	-	2.77710	6.42190e-1	0.75	0.0689	14232	16.05	2.6
3.737	-	152.45592	45.41727	0.83	0.0527	27897	2.37	183.9
5.477	-	311.30710	95.91365	0.84	0.0503	65673	19.85	388.4
5.644	-	23.29416	7.78497	0.85	0.0478	77321	2.01	31.5
5.842	-	2.83061	7.04329e-1	0.69	0.0644	45534	2.07	2.9
6.025	-	4.16007	8.88391e-1	0.81	0.0758	34970	1.53	3.6
6.666	-	243.73982	69.54006	0.78	0.0517	92232	5.91	281.6

Signal 2: DAD1 B, Sig=235,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.2159	0.1673	-	-	5.088

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.513	-	309.41125	55.56099	0.61	0.0756	2222	-	257.3
3.492	-	4.36411	9.80976e-1	0.78	0.0689	14239	16.10	4.5
3.737	-	124.78671	37.20937	0.83	0.0528	27780	2.36	172.3
3.863	-	2.02832	7.17323e-1	0.55	0.0341	71036	1.70	3.3
5.477	-	216.75798	66.64053	0.83	0.0503	65674	22.46	308.7
5.643	-	6.98569	2.46055	0.81	0.0467	81020	2.02	11.4
6.666	-	227.18456	64.89076	0.79	0.0517	92232	12.22	300.6

Signal 3: DAD1 C, Sig=254,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.1185	9.729e-2	-	-	4.576

Data File D:\DATA\040414\PPCP000005.D
Sample Name: 0.5ppm PPCP

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.513	-	294.91357	53.06472	0.62	0.0756	2222	-	447.8
3.495	-	18.27860	3.96051	0.82	0.0704	13662	15.96	33.4
3.737	-	115.90828	34.52572	0.83	0.0521	28483	2.33	291.4
5.477	-	14.18663	4.49822	0.89	0.0497	67163	20.07	38.0
5.645	-	2.11015	7.12914e-1	0.99	0.0478	77330	2.02	6.0
6.229	-	3.37804	5.36756e-1	1.82	0.0711	42509	5.77	4.5
6.667	-	36.28624	10.43729	0.80	0.0519	91576	4.18	88.1

Signal 4: DAD1 D, Sig=273,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.1085	8.724e-2	-	-	8.240

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.513	-	86.57350	15.50531	0.61	0.0756	2222	-	143.0
3.495	-	18.87760	4.11132	0.81	0.0696	13955	16.04	37.9
3.737	-	297.06555	82.30983	0.72	0.0522	28374	2.34	758.9
5.477	-	69.50591	20.15447	0.74	0.0505	65222	19.90	185.8
6.666	-	57.69363	16.43659	0.78	0.0517	92231	13.68	151.5

Signal 5: DAD1 E, Sig=280,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	5.255e-2	4.260e-2	-	-	7.588

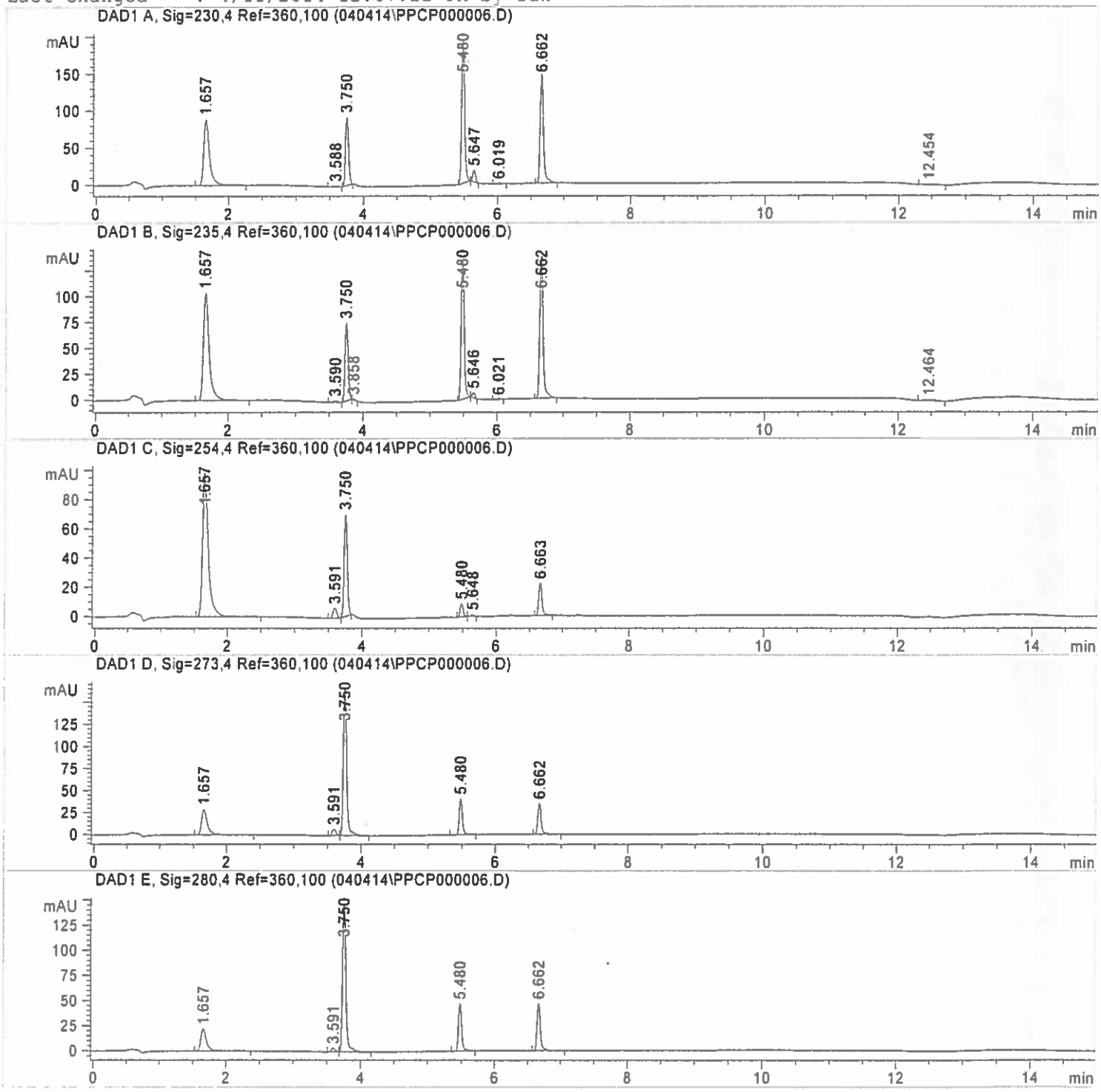
RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.513	-	64.95743	11.82374	0.63	0.0750	2255	-	225.0
3.494	-	9.27401	2.03268	0.83	0.0696	13953	16.10	38.7
3.737	-	261.25757	72.27743	0.71	0.0533	27204	2.32	1375.4
5.477	-	79.75918	23.29158	0.75	0.0505	65222	19.69	443.2
6.666	-	77.45641	22.09153	0.78	0.0517	92231	13.68	420.4

*** End of Report ***

Data File D:\DATA\040414\PPCP000006.D
Sample Name: 1ppm PPCP

Acq. Operator	: sdk	Seq. Line	: 6
Acq. Instrument	: Instrument 1	Location	: Vial 6
Injection Date	: 4/4/2014 11:05:22 AM	Inj	: 1
		Inj Volume	: 95 µl

Acq. Method : D:\Methods\PPCP0414.M
Last changed : 4/4/2014 11:02:22 AM by sdk
Analysis Method : D:\Kentmethods\LCMSdefault.m
Last changed : 4/11/2014 12:07:22 PM by sdk



Area Percent Report with Performance and Noise

Multiplier : 1.0000

Data File D:\DATA\040414\PPCP000006.D
Sample Name: 1ppm PPCP

Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=230,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.3463	0.3032	-	-	2.440

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.657	-	531.52063	88.77600	0.61	0.0817	2280	-	256.4
3.588	-	6.08804	1.26866	1.20	0.0721	13715	14.76	3.7
3.750	-	303.12836	92.51266	0.84	0.0515	29354	1.53	267.2
5.480	-	625.69617	193.96310	0.84	0.0503	65746	19.97	560.1
5.647	-	45.93664	15.54969	0.86	0.0478	77396	2.00	44.9
6.019	-	5.31715	1.14580	0.88	0.0717	39072	3.65	3.3
6.662	-	514.58679	148.07698	0.78	0.0517	92122	6.13	427.6
12.454	-	13.71803	9.72892e-1	0.49	0.2311	16089	24.07	2.8

Signal 2: DAD1 B, Sig=235,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.3210	0.2682	-	-	-1.034

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.657	-	623.35785	104.33909	0.61	0.0817	2280	-	325.1
3.590	-	7.79357	1.84033	0.94	0.0650	16899	15.49	5.7
3.750	-	247.28288	75.70895	0.85	0.0519	28915	1.61	235.9
3.858	-	2.27049	8.97117e-1	0.36	0.0375	58661	1.42	2.8
5.480	-	435.11212	134.44421	0.83	0.0503	65747	21.71	418.9
5.646	-	13.80335	4.89505	0.80	0.0462	82907	2.02	15.3
6.021	-	2.29354	5.64087e-1	1.17	0.0652	47270	3.96	1.8
6.662	-	479.78009	138.20657	0.78	0.0517	92122	6.45	430.6
12.464	-	12.04863	8.89355e-1	0.58	0.2222	17428	24.89	2.8

Signal 3: DAD1 C, Sig=254,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.1704	0.1424	-	-	1.810

Data File D:\DATA\040414\PPCP000006.D
Sample Name: 1ppm PPCP

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.657	-	591.58142	99.08358	0.61	0.0822	2250	-	581.5
3.591	-	28.18566	7.02554	0.88	0.0631	17956	15.64	41.2
3.750	-	230.43523	70.37745	0.84	0.0515	29353	1.63	413.0
5.480	-	28.47972	9.03434	0.88	0.0497	67235	20.08	53.0
5.648	-	4.22503	1.43751	0.96	0.0473	79070	2.03	8.4
6.663	-	76.41087	22.16101	0.80	0.0511	94137	12.12	130.1

Signal 4: DAD1 D, Sig=273,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise [PtoP] [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.1543	0.1324	-	-	4.726

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.657	-	175.17882	29.05021	0.60	0.0822	2250	-	188.3
3.591	-	28.95996	7.28042	0.88	0.0626	18253	15.70	47.2
3.750	-	594.73553	168.19678	0.73	0.0511	29820	1.64	1090.2
5.480	-	139.60933	40.72937	0.74	0.0495	67830	20.20	264.0
6.662	-	123.11100	35.04720	0.76	0.0511	94135	13.81	227.2

Signal 5: DAD1 E, Sig=280,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	9.676e-2	9.241e-2	-	-	4.930

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.657	-	133.42476	22.15120	0.60	0.0822	2250	-	228.9
3.591	-	14.33961	3.61849	0.88	0.0621	18554	15.75	37.4
3.750	-	523.44940	147.64433	0.72	0.0511	29820	1.65	1525.9
5.480	-	160.39745	47.10226	0.75	0.0495	67830	20.20	486.8
6.662	-	165.10072	47.10080	0.77	0.0507	95794	13.87	486.8

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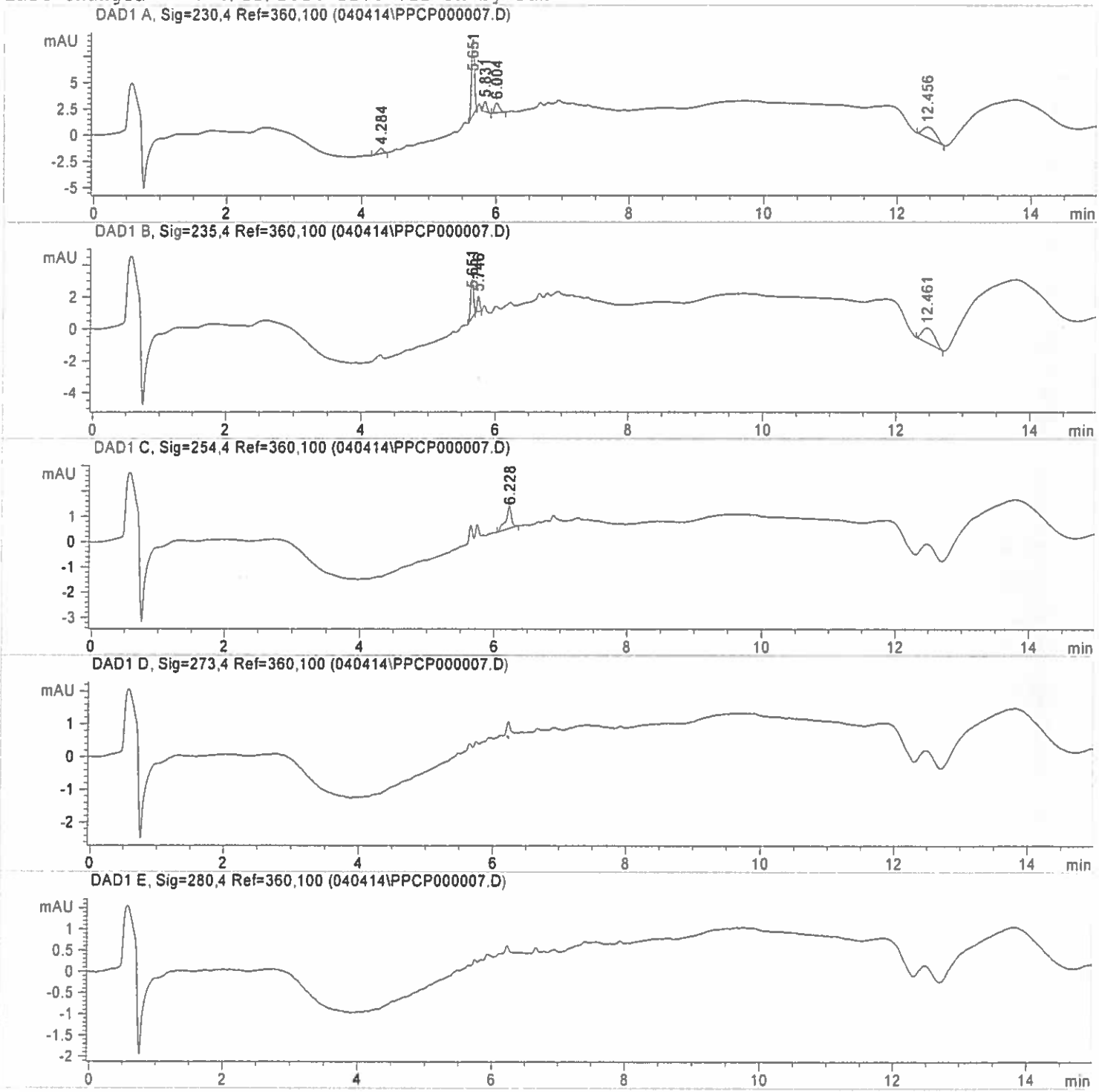
*** End of Report ***

Data File D:\DATA\040414\PPCP000007.D
Sample Name: di H2O

Acq. Operator	: sdk	Seq. Line	: 7
Acq. Instrument	: Instrument 1	Location	: Vial 1
Injection Date	: 4/4/2014 11:31:02 AM	Inj	: 1
		Inj Volume	: 95 µl
Acq. Method	: D:\Methods\PPCP0414.M		
Last changed	: 4/4/2014 11:27:58 AM by sdk		
Analysis Method	: D:\Kentmethods\LCMSdefault.m		
Last changed	: 4/11/2014 12:07:22 PM by sdk		



Area Percent Report with Performance and Noise

Multiplier : 1.0000

Data File D:\DATA\040414\PPCP000007.D
Sample Name: di H2O

Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=230,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.2745	0.1428	-	-	12.571

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
4.284	-	2.87857	5.01456e-1	1.54	0.0819	15157	-	1.8
5.651	-	22.72853	7.35696	0.96	0.0497	71620	12.20	26.8
5.831	-	3.41370	9.81310e-1	0.72	0.0549	62566	2.03	3.6
6.004	-	4.89225	9.65897e-1	0.69	0.0808	30565	1.50	3.5
12.456	-	14.15997	1.00932	0.53	0.2356	15491	23.96	3.7

Signal 2: DAD1 B, Sig=235,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.2483	0.1392	-	-	7.052

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
5.651	-	7.15463	2.41847	1.07	0.0487	74435	-	9.7
5.746	-	2.56668	9.88593e-1	0.97	0.0408	109948	1.24	4.0
12.461	-	12.52632	9.22467e-1	0.59	0.2222	17420	30.00	3.7

Signal 3: DAD1 C, Sig=254,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.1444	8.020e-2	-	-	5.336

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
6.228	-	5.33257	9.00273e-1	1.82	0.0644	51737	-	6.2

Data File D:\DATA\040414\PPCP000007.D
Sample Name: di H2O

Signal 4: DAD1 D, Sig=273,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.1132	6.354e-2	-	-	8.820

Signal 5: DAD1 E, Sig=280,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	9.633e-2	5.760e-2	-	-	8.643

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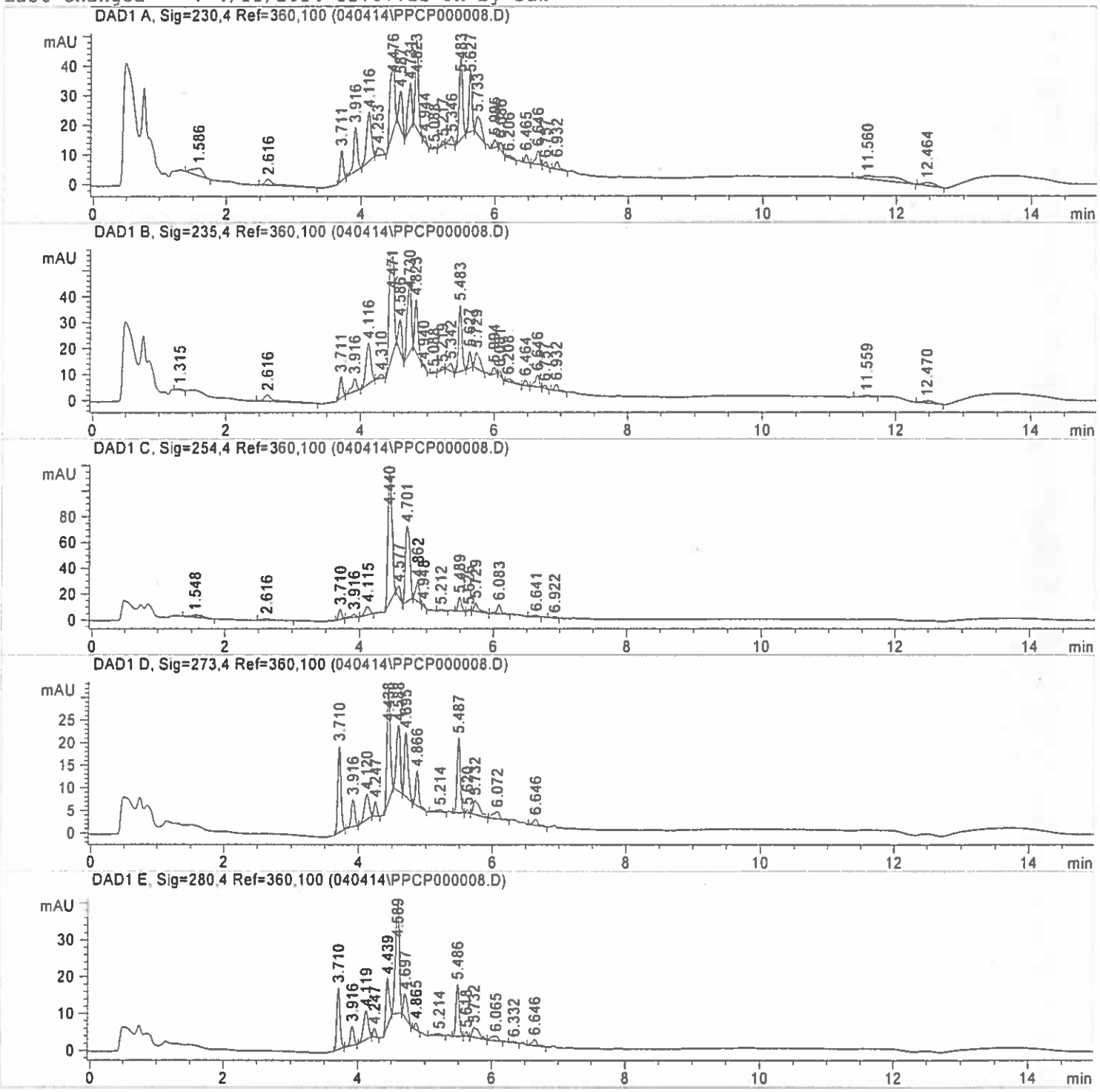
*** End of Report ***

Data File D:\DATA\040414\PPCP000008.D
Sample Name: SPE BLANK

Acq. Operator : sdk
Acq. Instrument : Instrument 1
Injection Date : 4/4/2014 11:49:07 AM

Seq. Line : 8
Location : Vial 11
Inj : 1
Inj Volume : 95 µl

Acq. Method : D:\Methods\PPCP0414.M
Last changed : 4/4/2014 11:46:08 AM by sdk
Analysis Method : D:\Kentmethods\LCMSdefault.m
Last changed : 4/11/2014 12:07:22 PM by sdk



Area Percent Report with Performance and Noise

Multiplier : 1.0000

Data File D:\DATA\040414\PPCP000008.D
Sample Name: SPE BLANK

Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=230,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.3187	0.2204	-	-	-9.983

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.586	-	28.09565	2.58445	1.46	0.2550	214	-	8.1
2.616	-	22.16492	2.04467	0.32	0.0956	4151	3.45	6.4
3.711	-	32.47764	10.28097	0.93	0.0508	29593	8.79	32.3
3.916	-	57.49991	14.98498	1.05	0.0564	26745	2.26	47.0
4.116	-	83.33667	16.78907	1.08	0.0783	15297	1.74	52.7
4.253	-	14.29058	2.71030	0.36	0.1022	9588	0.89	8.5
4.476	-	115.86620	22.52132	2.32	0.0824	16353	1.42	70.7
4.587	-	45.37122	12.74318	0.89	0.0603	32053	0.92	40.0
4.731	-	61.24554	15.32466	1.96	0.0632	31071	1.37	48.1
4.823	-	96.32534	30.01462	0.71	0.0498	52001	0.95	94.2
4.944	-	5.78407	2.11997	0.52	0.0371	98160	1.64	6.7
5.088	-	2.23724	7.46091e-1	1.11	0.0497	57961	1.95	2.3
5.217	-	4.54492	1.50087	1.69	0.0445	75995	1.61	4.7
5.346	-	11.52043	2.93207	1.53	0.0647	37813	1.38	9.2
5.483	-	96.93604	27.49901	1.00	0.0559	53312	1.34	86.3
5.627	-	63.52411	21.30169	0.99	0.0482	75407	1.63	66.8
5.733	-	35.87055	6.05188	0.34	0.0830	26410	0.94	19.0
5.995	-	8.58389	2.58020	1.09	0.0552	65254	2.23	8.1
6.086	-	7.73089	2.64262	0.62	0.0339	178685	1.20	8.3
6.206	-	4.77023	9.16724e-1	0.31	0.0606	58186	1.49	2.9
6.465	-	8.63370	2.70231	0.86	0.0513	88050	2.72	8.5
6.646	-	18.52131	4.72480	1.51	0.0564	76900	1.98	14.8
6.757	-	4.78447	1.47017	0.75	0.0537	87706	1.19	4.6
6.932	-	11.04045	2.68481	0.72	0.0570	81833	1.86	8.4
11.560	-	52.50998	1.21336	0.15	0.5267	2669	9.32	3.8
12.464	-	14.41622	1.01858	0.52	0.2378	15222	1.39	3.2

Signal 2: DAD1 B, Sig=235,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.2839	0.2053	-	-	-10.926

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.315	-	2.78397	5.47590e-1	1.08	0.0924	1122	-	1.9
2.616	-	26.88351	2.48091	0.33	0.0956	4151	8.13	8.7
3.711	-	26.03760	8.32853	0.95	0.0510	29381	8.78	29.3
3.916	-	24.14658	4.98235	1.65	0.0594	24037	2.18	17.5
4.116	-	79.73542	15.84997	1.04	0.0788	15121	1.70	55.8

Data File D:\DATA\040414\PPCP000008.D
Sample Name: SPE BLANK

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
4.310	-	7.26158	1.68641	1.34	0.0657	23860	1.57	5.9
4.471	-	205.07086	38.52536	2.00	0.0857	15076	1.26	135.7
4.586	-	41.59711	11.95156	0.83	0.0585	34048	0.93	42.1
4.730	-	118.31455	27.44491	1.84	0.0717	24132	1.30	96.7
4.823	-	67.65093	20.36392	0.61	0.0498	51913	0.90	71.7
4.940	-	2.86810	1.09028	0.32	0.0292	158468	1.73	3.8
5.088	-	2.22950	7.36295e-1	1.15	0.0500	57374	2.21	2.6
5.219	-	4.10556	1.35030	1.68	0.0492	62320	1.55	4.8
5.342	-	12.32217	3.04374	1.33	0.0804	24479	1.12	10.7
5.483	-	92.50183	25.59936	0.93	0.0569	51403	1.20	90.2
5.627	-	17.84273	6.48128	1.03	0.0457	84121	1.65	22.8
5.729	-	33.05199	6.15097	0.39	0.0836	25993	0.92	21.7
5.994	-	8.68465	2.61857	1.08	0.0552	65233	2.24	9.2
6.081	-	4.94805	1.75439	0.51	0.0272	276429	1.24	6.2
6.208	-	7.48624	1.16610	0.29	0.0700	43579	1.54	4.1
6.464	-	6.74507	2.14343	0.88	0.0506	90453	2.49	7.5
6.646	-	19.22028	4.63267	1.60	0.0585	71593	1.96	16.3
6.757	-	3.56836	1.17027	0.75	0.0463	117897	1.24	4.1
6.932	-	9.70502	2.28912	0.71	0.0583	78224	1.96	8.1
11.559	-	4.06761	5.00301e-1	1.17	0.1227	49197	30.04	1.8
12.470	-	12.82310	9.20272e-1	0.60	0.2333	15823	3.00	3.2

Signal 3: DAD1 C, Sig=254,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.1598	0.1114	-	-	-4.473

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.548	-	24.25108	1.67345	0.58	0.2711	181	-	10.5
2.616	-	10.44884	1.41040	0.58	0.0960	4114	3.42	8.8
3.710	-	25.17763	7.92244	0.93	0.0513	28999	8.73	49.6
3.916	-	13.04342	2.55527	1.76	0.0650	20109	2.08	16.0
4.115	-	34.21239	6.63537	1.16	0.0781	15384	1.64	41.5
4.440	-	431.48605	102.01985	0.59	0.0733	20308	2.52	638.3
4.577	-	28.47571	7.89951	0.55	0.0436	61034	1.37	49.4
4.701	-	275.12524	58.47934	0.62	0.0805	18904	1.18	365.9
4.862	-	57.13982	15.78174	1.28	0.0629	33141	1.32	98.7
4.948	-	5.02016	2.03914	0.43	0.0246	224809	1.16	12.8
5.212	-	5.48762	1.43009	0.62	0.0519	55971	4.06	8.9
5.489	-	38.90228	10.66213	0.78	0.0558	53689	3.03	66.7
5.626	-	4.11060	1.64046	1.02	0.0421	99067	1.65	10.3
5.729	-	33.56611	6.72114	0.40	0.0563	57365	1.22	42.1
6.083	-	33.79782	7.38944	1.07	0.0558	65760	3.71	46.2
6.641	-	6.36792	1.20036	1.75	0.0917	29082	4.45	7.5
6.922	-	3.44830	7.45965e-1	1.51	0.1000	26543	1.72	4.7

Signal 4: DAD1 D, Sig=273,4 Ref=360,100

Data File D:\DATA\040414\PPCP000008.D
Sample Name: SPE BLANK

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.1315	9.246e-2	-	-	2.464e-1

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
3.710	-	63.47311	19.22387	0.85	0.0522	27961	-	146.2
3.916	-	21.93341	6.04446	0.98	0.0561	26985	2.24	46.0
4.120	-	27.88010	5.72087	1.09	0.0776	15622	1.79	43.5
4.247	-	9.43208	3.23161	0.82	0.0467	45882	1.20	24.6
4.438	-	85.47505	25.37244	0.78	0.0544	36931	2.23	193.0
4.588	-	56.11180	14.61045	1.14	0.0633	29071	1.49	111.1
4.695	-	54.22273	14.21127	0.56	0.0586	35598	1.03	108.1
4.866	-	25.85659	7.68935	0.78	0.0503	51833	1.84	58.5
5.214	-	4.08429	5.82953e-1	2.42	0.1400	7683	2.15	4.4
5.487	-	56.01784	16.61577	0.91	0.0528	59874	1.66	126.4
5.620	-	2.15130	8.36736e-1	0.92	0.0419	99553	1.66	6.4
5.732	-	21.13692	3.21206	0.31	0.0978	19037	0.94	24.4
6.072	-	11.52314	1.65174	1.71	0.1267	12729	1.78	12.6
6.646	-	7.53283	1.41508	0.87	0.0695	50620	3.44	10.8

Signal 5: DAD1 E, Sig=280,4 Ref=360,100

Noise determination:

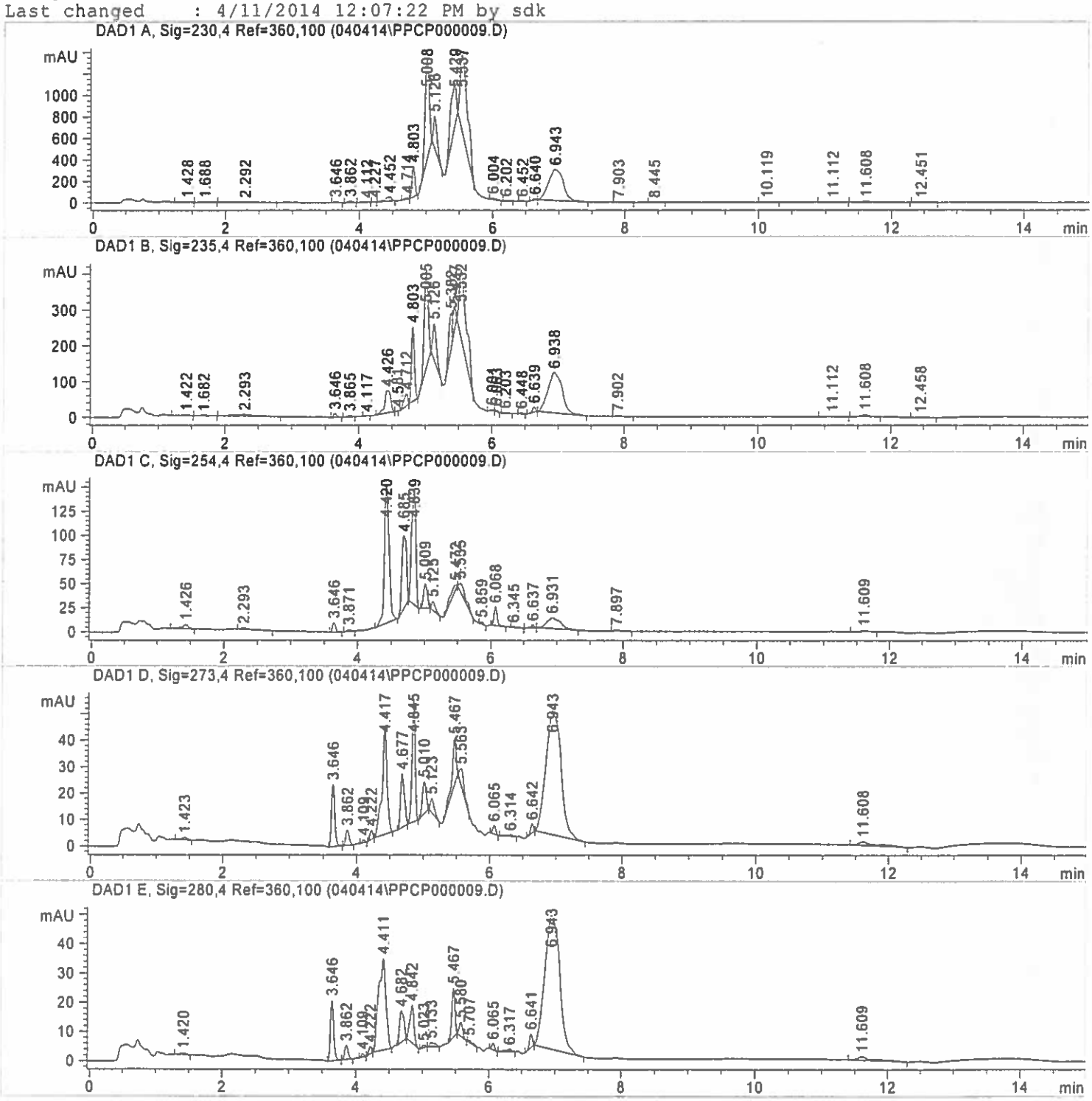
Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.1167	8.225e-2	-	-	1.444

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
3.710	-	55.89402	16.89617	0.85	0.0522	27960	-	144.8
3.916	-	18.50814	5.21004	0.94	0.0561	26989	2.24	44.6
4.119	-	38.40950	7.88966	1.06	0.0770	15864	1.79	67.6
4.247	-	6.58569	2.35339	0.79	0.0433	53206	1.25	20.2
4.439	-	45.01262	13.19138	0.80	0.0604	29910	2.18	113.0
4.589	-	120.08565	29.55217	1.17	0.0662	26625	1.39	253.2
4.697	-	27.25814	6.35531	0.42	0.0639	29908	0.97	54.5
4.865	-	5.63773	1.88663	0.88	0.0508	50863	1.72	16.2
5.214	-	4.44832	5.90535e-1	2.60	0.1133	11724	2.50	5.1
5.486	-	48.11211	14.18251	0.91	0.0533	58618	1.92	121.5
5.618	-	3.16633	1.20019	0.94	0.0437	91393	1.60	10.3
5.732	-	19.30807	2.72493	0.29	0.1037	16927	0.91	23.3
6.065	-	9.76582	1.33703	1.95	0.1350	11180	1.64	11.5
6.332	-	2.03686	5.01367e-1	1.03	0.0793	35353	1.46	4.3
6.646	-	8.89831	1.74008	1.00	0.0667	55060	2.53	14.9

*** End of Report ***

Data File D:\DATA\040414\PPCP000009.D
Sample Name: 0.0005SPE A

Acq. Operator	: sdk	Seq. Line	: 9
Acq. Instrument	: Instrument 1	Location	: Vial 12
Injection Date	: 4/4/2014 12:07:15 PM	Inj	: 1
		Inj Volume	: 95 µl
Acq. Method	: D:\Methods\PPCP0414.M		
Last changed	: 4/4/2014 12:04:14 PM by sdk		
Analysis Method	: D:\Kentmethods\LCMSdefault.m		
Last changed	: 4/11/2014 12:07:22 PM by sdk		



Area Percent Report with Performance and Noise

Multiplier : 1.0000

Data File D:\DATA\040414\PPCP000009.D
Sample Name: 0.0005SPE A

Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=230,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	1.0102	0.7627	-	-	-38.395

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.428	-	21.98811	3.08734	1.38	0.1117	906	-	3.1
1.688	-	18.08224	1.73414	0.86	0.1752	514	1.07	1.7
2.292	-	97.51949	4.67317	0.95	0.3178	288	1.44	4.6
3.646	-	44.04176	12.99617	0.83	0.0533	25890	4.29	12.9
3.862	-	53.24107	14.65626	0.85	0.0570	25464	2.31	14.5
4.112	-	7.03683	1.67242	1.66	0.0700	19115	2.31	1.7
4.227	-	6.36345	2.46522	1.66	0.0459	46994	1.17	2.4
4.452	-	249.46753	37.38478	2.34	0.0933	12606	1.90	37.0
4.714	-	60.84094	17.05034	2.52	0.0457	59027	2.21	16.9
4.803	-	879.49438	286.16516	0.90	0.0495	52098	1.10	283.3
5.008	-	4099.63672	949.07086	0.98	0.0721	26716	1.99	939.5
5.126	-	1152.23682	301.65399	0.51	0.0518	54254	1.11	298.6
5.429	-	2737.99316	395.89218	4.21	0.0917	19430	2.48	391.9
5.537	-	5555.07959	702.01385	0.34	0.0978	17764	0.67	694.9
6.004	-	58.95798	12.87276	0.43	0.0573	60746	3.54	12.7
6.202	-	7.75383	1.43161	0.33	0.0773	35629	1.73	1.4
6.452	-	12.31716	3.61470	0.87	0.0579	68677	2.17	3.6
6.640	-	45.61987	14.39198	1.57	0.0505	95675	2.04	14.2
6.943	-	4506.82715	290.62094	0.82	0.2467	4389	1.20	287.7
7.903	-	11.52058	2.14615	0.64	0.0800	54066	3.45	2.1
8.445	-	3.66535	7.11739e-1	0.88	0.0790	63229	4.00	-
10.119	-	3.27969	5.04760e-1	0.79	0.0978	59336	11.13	5.0e-1
11.112	-	6.43005	7.65211e-1	1.01	0.1200	47502	5.36	7.6e-1
11.608	-	101.16520	7.82253	0.42	0.1200	51839	2.43	7.7
12.451	-	13.84611	9.69768e-1	0.49	0.2467	14117	2.70	9.6e-1

Signal 2: DAD1 B, Sig=235,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.6075	0.4079	-	-	-29.685

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.422	-	19.66190	2.84080	1.66	0.0867	1491	-	4.7
1.682	-	12.13777	1.18865	0.83	0.1686	552	1.20	2.0
2.293	-	106.10504	5.34869	0.91	0.2933	339	1.55	8.8
3.646	-	36.01858	10.61415	0.82	0.0533	25890	4.59	17.5
3.865	-	17.65019	4.74407	0.88	0.0593	23570	2.29	7.8
4.117	-	3.63250	9.92885e-1	1.08	0.0806	14452	2.11	1.6

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Sample Name: 0.0005SPE A

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
4.426	-	394.74759	62.45089	0.77	0.0933	12456	2.09	102.8
4.581	-	2.13852	5.14456e-1	9.54	-	-	-	8.5e-1
4.712	-	136.19557	34.24414	2.34	0.0593	35034	-	56.4
4.803	-	675.81476	210.02159	0.79	0.0510	49225	0.96	345.7
5.005	-	1138.33630	277.96735	0.98	0.0672	30711	2.01	457.5
5.126	-	402.48105	100.74998	0.53	0.0578	43605	1.14	165.8
5.382	-	411.88956	102.21767	2.74	0.0379	111757	3.15	168.3
5.437	-	198.12381	62.52967	2.19	-	-	-	102.9
5.532	-	1443.66064	187.99550	0.32	0.0867	22569	-	309.4
6.001	-	11.45198	3.88299	1.50	0.0467	91604	4.13	6.4
6.063	-	7.52182	2.86824	0.35	0.0179	632170	1.13	4.7
6.203	-	9.15663	1.78357	0.52	0.0840	30212	1.61	2.9
6.448	-	8.85497	2.60439	0.83	0.0571	70544	2.04	4.3
6.639	-	49.99630	15.23902	1.32	0.0510	94068	2.08	25.1
6.938	-	1701.08936	113.68537	0.75	0.2378	4717	1.21	187.1
7.902	-	14.54792	2.70255	0.64	0.0800	54045	3.56	4.4
11.112	-	7.16276	8.76619e-1	0.98	0.1173	49686	19.11	1.4
11.608	-	45.21513	5.96452	0.98	0.1147	56774	2.51	9.8
12.458	-	11.96957	8.67477e-1	0.55	0.2289	16412	2.91	1.4

Signal 3: DAD1 C, Sig=254,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.2357	0.1619	-	-	-13.194

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.426	-	29.21467	4.21303	1.45	0.0867	1500	-	17.9
2.293	-	12.79354	1.53648	0.35	0.0850	4033	5.94	6.5
3.646	-	33.76712	9.85654	0.81	0.0533	25885	11.49	41.8
3.871	-	9.61658	2.34486	0.82	0.0659	19099	2.22	9.9
4.420	-	707.25592	143.44510	0.60	0.0781	17749	4.48	608.6
4.685	-	355.04184	76.56271	0.73	0.0800	18997	1.96	324.9
4.839	-	545.95233	120.05769	1.54	0.0783	21143	1.15	509.4
5.009	-	98.65704	25.02712	0.81	0.0650	32906	1.40	106.2
5.125	-	36.85882	9.36670	0.47	0.0513	55339	1.17	39.7
5.472	-	60.34850	4.80494	15.16	0.0500	66351	4.02	20.4
5.535	-	62.22198	7.97705	0.17	0.0742	30854	0.60	33.8
5.859	-	6.65083	2.32201	0.60	0.0507	74075	3.05	9.9
6.068	-	64.45536	19.40558	0.81	0.0507	79471	2.43	82.3
6.345	-	4.62662	6.70533e-1	0.20	0.0540	76489	3.11	2.8
6.637	-	13.11369	3.10255	1.74	0.0583	71725	3.06	13.2
6.931	-	164.05113	11.43269	0.65	0.2300	5031	1.20	48.5
7.897	-	7.67097	1.53723	0.65	0.0743	62608	3.73	6.5
11.609	-	9.03959	1.22085	0.98	0.1120	59515	23.41	5.2

Signal 4: DAD1 D, Sig=273,4 Ref=360,100

Data File D:\DATA\040414\PPCP000009.D
Sample Name: 0.0005SPE A

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.1654	0.1360	-	-	-7.039

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.423	-	5.45387	8.84465e-1	1.12	0.0911	1352	-	5.3
3.646	-	82.31966	23.64639	0.80	0.0540	25250	18.00	143.0
3.862	-	21.50813	5.83935	0.80	0.0573	25141	2.29	35.3
4.109	-	3.19483	1.10744	1.12	0.0485	39738	2.74	6.7
4.222	-	10.01857	3.56449	1.14	0.0469	44802	1.38	21.6
4.417	-	214.53735	41.22535	1.21	0.0638	26543	2.07	249.2
4.677	-	79.93126	20.52156	0.65	0.0644	29181	2.39	124.1
4.845	-	154.18871	46.52987	1.02	0.0518	48479	1.70	281.3
5.010	-	48.05213	12.24376	0.98	0.0652	32668	1.65	74.0
5.123	-	21.64635	5.33257	0.50	0.0567	45286	1.10	32.2
5.467	-	72.73602	17.53137	1.92	0.0545	55655	3.63	106.0
5.563	-	28.14668	6.08612	0.43	0.0560	54680	1.02	36.8
6.065	-	9.95756	3.21971	0.89	0.0503	80693	5.55	19.5
6.314	-	5.11179	6.20994e-1	2.35	0.1724	7432	1.31	3.8
6.642	-	10.07010	3.41859	1.32	0.0480	106074	1.75	20.7
6.943	-	733.97638	46.82151	0.78	0.2467	4390	1.20	283.1
11.608	-	26.99738	1.36527	0.23	0.1356	40624	14.34	8.3

Signal 5: DAD1 E, Sig=280,4 Ref=360,100

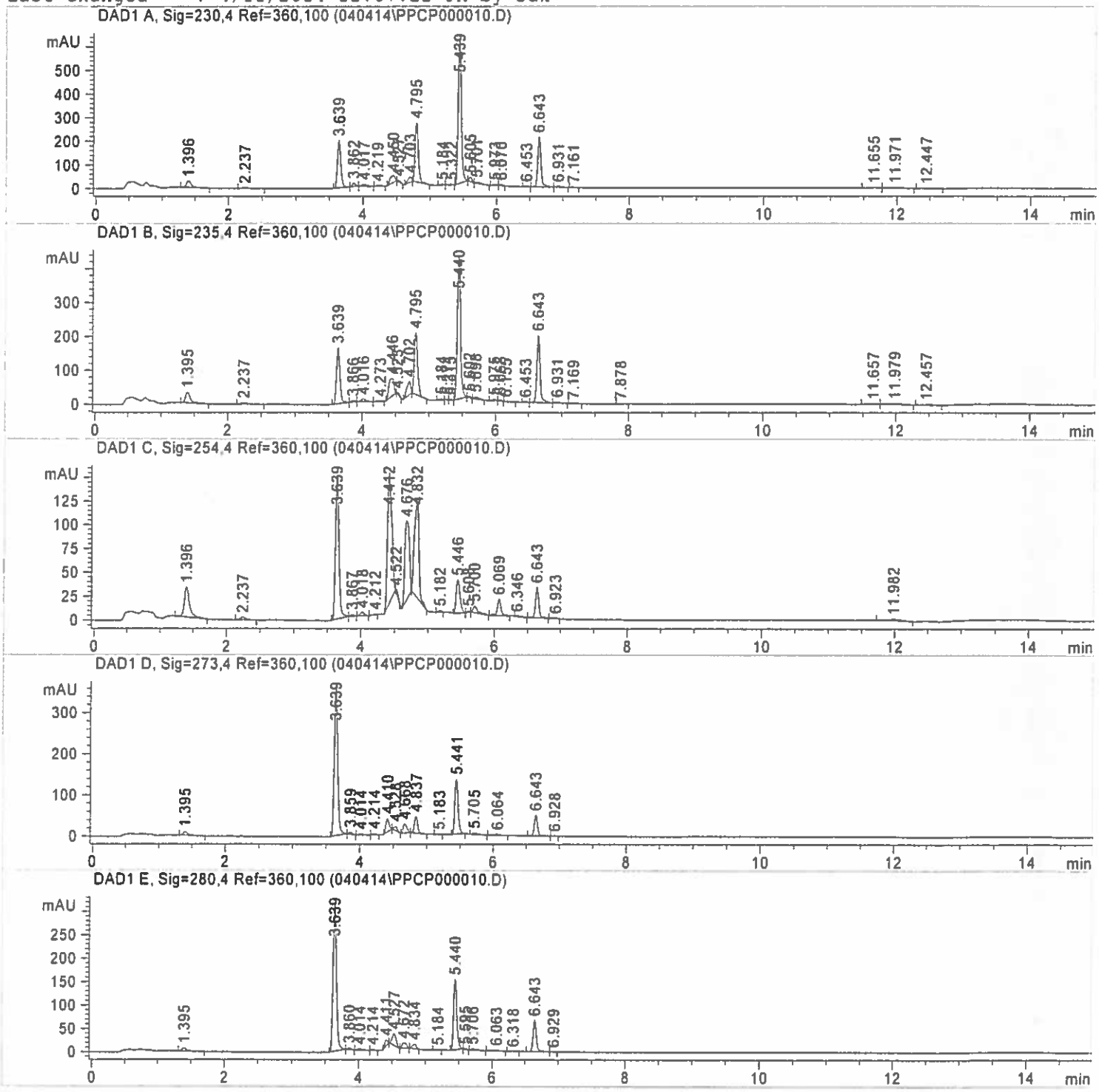
Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.1545	0.1355	-	-	-5.834

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.420	-	3.81126	5.95120e-1	1.25	0.1122	887	-	3.9
3.646	-	72.24823	20.76095	0.81	0.0540	25251	15.73	134.4
3.862	-	18.04085	4.93291	0.80	0.0573	25137	2.28	31.9
4.109	-	3.66192	1.24037	1.06	0.0493	38550	2.72	8.0
4.222	-	6.93675	2.60263	1.24	0.0444	50180	1.41	16.8
4.411	-	240.57674	31.44223	1.61	0.1314	6240	1.26	203.5
4.682	-	49.18823	10.89792	0.63	0.0794	19262	1.51	70.5
4.842	-	55.52851	13.00271	1.19	0.0706	26089	1.26	84.1
5.023	-	3.34122	9.15804e-1	1.47	0.0628	35425	1.60	5.9
5.133	-	8.43895	1.45843	0.42	0.1037	13575	0.78	9.4
5.467	-	54.99013	16.95618	1.07	0.0524	60355	2.51	109.7
5.580	-	16.46819	4.84641	0.87	0.0559	55151	1.22	31.4
5.707	-	4.37746	9.40763e-1	0.24	0.0378	126428	1.59	6.1
6.065	-	6.58910	2.15215	0.84	0.0508	79060	4.75	13.9
6.317	-	6.32711	9.76226e-1	2.18	0.0848	30768	2.18	6.3
6.641	-	14.00147	4.72976	1.21	0.0479	106428	2.87	30.6
6.943	-	712.03619	45.82254	0.78	0.2444	4470	1.21	296.5
11.609	-	22.74437	1.23512	0.27	0.1333	41998	14.51	8.0

Data File D:\DATA\040414\PPCP000010.D
Sample Name: 0.0005SPE B

Acq. Operator	: sdk	Seq. Line	: 10
Acq. Instrument	: Instrument 1	Location	: Vial 13
Injection Date	: 4/4/2014 12:25:22 PM	Inj	: 1
		Inj Volume	: 95 µl
Acq. Method	: D:\Methods\PPCP0414.M		
Last changed	: 4/4/2014 12:22:21 PM by sdk		
Analysis Method	: D:\Kentmethods\LCMSdefault.m		
Last changed	: 4/11/2014 12:07:22 PM by sdk		



Area Percent Report with Performance and Noise

Multiplier : 1.0000

Data File D:\DATA\040414\PPCP000010.D
Sample Name: 0.0005SPE B

Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=230,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.2340	0.1616	-	-	-4.939

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.396	-	146.18968	27.12652	0.61	0.0722	2069	-	115.9
2.237	-	23.33971	4.14931	0.75	0.0833	3992	6.35	17.7
3.639	-	717.77771	200.69521	0.78	0.0548	24416	11.93	857.7
3.862	-	49.69176	14.66173	0.90	0.0551	27201	2.38	62.7
4.017	-	42.73764	8.57587	0.72	0.0713	17565	1.44	36.7
4.219	-	18.18188	3.70215	0.44	0.1041	9098	1.35	15.8
4.450	-	156.43488	30.53919	2.40	0.0815	16498	1.46	130.5
4.527	-	16.49121	5.46638	0.33	0.0202	277367	0.89	23.4
4.703	-	86.90472	22.82364	2.29	0.0541	41906	2.79	97.5
4.795	-	846.32458	251.85056	0.74	0.0513	48331	1.02	1076.3
5.184	-	9.96780	3.19170	1.20	0.0507	57985	4.48	13.6
5.322	-	11.35714	2.50861	2.25	0.0878	20367	1.18	10.7
5.439	-	2026.34973	608.47021	0.81	0.0517	61404	0.99	2600.4
5.605	-	52.42321	19.63884	0.82	0.0448	86849	2.01	83.9
5.701	-	34.83378	6.85444	0.31	0.0564	56685	1.13	29.3
5.973	-	13.23252	3.62030	1.18	0.0600	54903	2.74	15.5
6.070	-	12.89999	4.58234	0.75	0.0477	89736	1.06	19.6
6.453	-	8.33778	2.69531	0.87	0.0505	90539	4.58	11.5
6.643	-	740.32019	212.05307	0.80	0.0517	91585	2.19	906.3
6.931	-	18.34513	4.71942	0.76	0.0560	84869	3.14	20.2
7.161	-	3.09285	6.88522e-1	0.78	0.0933	32614	1.81	2.9
11.655	-	5.89004	8.06982e-1	1.25	0.1143	57614	25.43	3.4
11.971	-	27.44818	1.89280	0.67	0.2907	9397	0.92	8.1
12.447	-	14.22348	1.01440	0.54	0.2289	16383	1.08	4.3

Signal 2: DAD1 B, Sig=235,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.2046	0.1409	-	-	-6.950

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.395	-	158.57230	30.93579	0.61	0.0700	2202	-	151.2
2.237	-	28.84299	5.05925	0.75	0.0833	3992	6.45	24.7
3.639	-	594.79980	165.01405	0.77	0.0548	24416	11.93	806.4
3.866	-	13.36899	4.30446	1.03	0.0537	28727	2.46	21.0
4.016	-	40.74653	8.29767	0.84	0.0719	17309	1.41	40.5
4.273	-	9.92658	1.90500	1.96	0.0757	17641	2.04	9.3
4.446	-	280.97040	52.28500	2.13	0.0862	14756	1.26	255.5

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Sample Name: 0.0005SPE B

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
4.523	-	11.75848	3.65335	0.15	0.0292	132884	0.78	17.9
4.702	-	164.19516	40.26279	2.13	0.0631	30729	2.28	196.8
4.795	-	618.06866	181.81078	0.71	0.0515	47998	0.95	888.5
5.184	-	8.87356	2.81879	1.21	0.0511	56982	4.45	13.8
5.274	-	4.53159	1.84947	1.15	0.0346	128714	1.23	9.0
5.315	-	7.06854	2.40831	0.72	0.0476	69194	0.59	11.8
5.440	-	1427.08118	422.76385	0.80	0.0515	61772	1.48	2065.9
5.602	-	14.53996	5.96598	0.71	0.0288	209326	2.37	29.2
5.698	-	31.98566	6.78814	0.43	0.0612	48010	1.26	33.2
5.975	-	11.36482	3.24137	1.21	0.0576	59513	2.73	15.8
6.068	-	11.54545	4.19909	0.76	0.0463	94941	1.05	20.5
6.155	-	4.44383	6.46979e-1	0.14	0.0380	145356	1.22	3.2
6.453	-	7.07009	2.29654	0.90	0.0505	90542	3.95	11.2
6.643	-	690.49072	197.94072	0.81	0.0517	91585	2.19	967.3
6.931	-	14.93918	3.88896	0.77	0.0560	84858	3.14	19.0
7.169	-	2.67574	6.01303e-1	0.86	0.0927	33161	1.89	2.9
7.878	-	2.37265	5.90437e-1	0.79	0.0615	90972	5.41	2.9
11.657	-	4.59282	6.46079e-1	1.39	0.1117	60373	25.64	3.2
11.979	-	33.98418	2.33202	0.75	0.2787	10237	0.97	11.4
12.457	-	11.85455	8.81890e-1	0.63	0.2233	17237	1.12	4.3

Signal 3: DAD1 C, Sig=254,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.1233	7.492e-2	-	-	-2.757

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.396	-	172.84126	31.42421	0.64	0.0722	2070	-	254.8
2.237	-	16.56952	2.97975	0.79	0.0833	3992	6.35	24.2
3.639	-	553.98566	153.23976	0.77	0.0548	24415	11.92	1242.4
3.867	-	6.68633	2.05926	0.87	0.0539	28481	2.47	16.7
4.018	-	16.62198	3.91214	0.92	0.0667	20125	1.47	31.7
4.212	-	2.38554	9.35484e-1	1.56	0.0405	59881	2.13	7.6
4.412	-	601.50452	138.94113	0.57	0.0764	18490	2.01	1126.5
4.522	-	8.85921	2.22220	0.07	0.0214	247643	1.33	18.0
4.676	-	390.51550	83.47765	0.73	0.0805	18688	1.78	676.8
4.832	-	479.50201	102.27164	1.39	0.0793	20587	1.14	829.2
5.182	-	5.08261	1.74053	1.09	0.0479	64896	3.24	14.1
5.446	-	140.42667	34.67198	0.70	0.0627	41834	2.80	281.1
5.608	-	4.14739	1.79002	1.33	0.0340	150539	1.98	14.5
5.700	-	33.74613	6.96990	0.47	0.0585	52559	1.16	56.5
6.069	-	67.77071	17.32013	0.97	0.0525	74027	3.90	140.4
6.346	-	3.69300	6.54035e-1	0.25	0.0547	74645	3.03	5.3
6.643	-	114.33748	32.17468	0.86	0.0517	91584	3.29	260.9
6.923	-	4.04588	8.91178e-1	1.45	0.1119	21223	2.01	7.2
11.982	-	24.94411	1.61361	0.86	0.2822	9986	15.08	13.1

Data File D:\DATA\040414\PPCP000010.D
Sample Name: 0.0005SPE B

Signal 4: DAD1 D, Sig=273,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	9.424e-2	6.914e-2	-	-	1.908

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.395	-	46.51985	8.72865	0.55	0.0700	2202	-	92.6
3.639	-	1283.97363	358.20148	0.78	0.0548	24416	21.12	3800.8
3.859	-	17.45405	5.33143	0.74	0.0521	30410	2.42	56.6
4.014	-	10.99044	2.50149	0.72	0.0646	21380	1.56	26.5
4.214	-	11.29910	3.82681	0.88	0.0480	42691	2.08	40.6
4.410	-	104.97887	32.69296	0.85	0.0533	37881	2.28	346.9
4.528	-	34.83599	10.28561	0.70	0.0546	38072	1.28	109.1
4.668	-	87.43839	22.23565	0.62	0.0643	29208	1.39	235.9
4.837	-	139.38280	40.06323	0.92	0.0527	46738	1.70	425.1
5.183	-	3.28204	9.08106e-1	1.19	0.0613	39563	3.56	9.6
5.441	-	469.10574	133.10359	0.78	0.0541	56090	2.63	1412.4
5.705	-	18.17676	2.81932	0.28	0.0933	20697	2.10	29.9
6.064	-	17.50518	3.02040	1.93	0.1010	19990	2.17	32.0
6.643	-	177.37262	50.48801	0.81	0.0517	91583	4.46	535.7
6.928	-	2.29025	7.06780e-1	0.95	0.0545	89376	3.15	7.5

Signal 5: DAD1 E, Sig=280,4 Ref=360,100

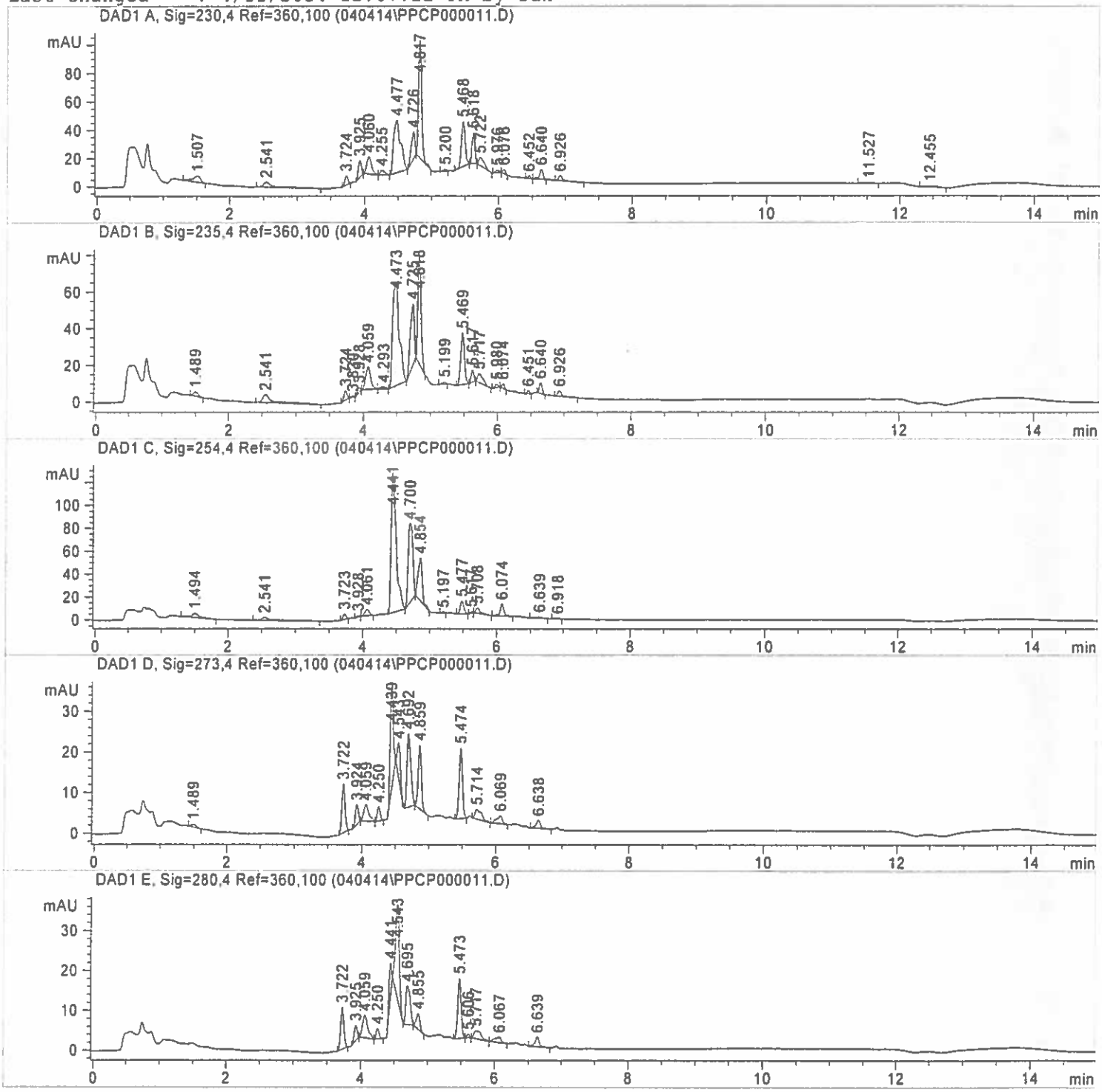
Noise determination:

Time range from [min[	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	5.701e-2	4.736e-2	-	-	1.878

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.395	-	35.28919	6.56113	0.54	0.0689	2271	-	115.1
3.639	-	1125.62561	314.20166	0.78	0.0548	24416	21.31	5511.2
3.860	-	15.03789	4.59372	0.77	0.0521	30422	2.42	80.6
4.014	-	16.88391	3.56157	0.67	0.0673	19684	1.52	62.5
4.214	-	8.34080	2.90776	0.88	0.0462	46041	2.07	51.0
4.411	-	34.55932	12.97783	1.40	0.0383	73648	2.75	227.6
4.527	-	103.66418	25.30241	0.97	0.0667	25550	1.30	443.8
4.672	-	52.39917	11.78351	0.60	0.0764	20692	1.19	206.7
4.834	-	41.18156	10.24269	1.34	0.0687	27456	1.31	179.7
5.184	-	3.36930	9.22698e-1	1.20	0.0613	39583	3.17	16.2
5.440	-	520.10925	151.08786	0.79	0.0527	59114	2.64	2650.1
5.595	-	2.88668	1.09622	0.43	0.0215	375000	2.45	19.2
5.706	-	16.77819	2.26317	0.23	0.0987	18527	1.08	39.7
6.063	-	15.10285	2.25845	2.37	0.1358	11038	1.79	39.6
6.318	-	2.44694	6.00159e-1	1.13	0.0644	53248	1.50	10.5
6.643	-	237.21375	67.68467	0.81	0.0517	91583	3.29	1187.2
6.929	-	2.13172	6.65074e-1	0.93	0.0533	93510	3.20	11.7

Data File D:\DATA\040414\PPCP000011.D
Sample Name: 0.0005SPE C

Acq. Operator	: sdk	Seq. Line	: 11
Acq. Instrument	: Instrument 1	Location	: Vial 14
Injection Date	: 4/4/2014 12:43:27 PM	Inj	: 1
		Inj Volume	: 95 µl
Acq. Method	: D:\Methods\PPCP0414.M		
Last changed	: 4/4/2014 12:40:28 PM by sdk		
Analysis Method	: D:\Kentmethods\LCMSdefault.m		
Last changed	: 4/11/2014 12:07:22 PM by sdk		



Area Percent Report with Performance and Noise

Multiplier : 1.0000

Data File D:\DATA\040414\PPCP000011.D
Sample Name: 0.0005SPE C

Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=230,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.2442	0.2012	-	-	-6.167

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.507	-	37.47387	4.43737	1.52	0.1800	388	-	18.2
2.541	-	43.54849	3.67906	0.27	0.0956	3916	4.41	15.1
3.724	-	20.86360	6.60436	0.98	0.0521	28278	9.41	27.0
3.925	-	37.31300	12.11816	1.08	0.0516	32109	2.28	49.6
4.060	-	60.76356	12.23979	0.76	0.0747	16376	1.25	50.1
4.255	-	15.28691	3.42808	0.52	0.0738	18429	1.55	14.0
4.477	-	272.25705	37.28511	0.77	0.1356	6043	1.24	152.7
4.726	-	74.56226	19.14537	2.15	0.0578	37073	1.52	78.4
4.817	-	269.28238	82.97469	0.75	0.0497	52051	0.99	339.8
5.200	-	5.00889	1.60193	1.43	0.0483	64113	4.58	6.6
5.468	-	124.54071	31.84513	0.95	0.0600	46005	2.91	130.4
5.618	-	62.93249	21.72225	0.95	0.0474	77797	1.64	89.0
5.722	-	32.62177	5.76379	0.35	0.0745	32643	1.01	23.6
5.976	-	7.16045	1.88070	1.23	0.0627	50385	2.18	7.7
6.076	-	8.38428	2.95880	0.79	0.0482	88020	1.06	12.1
6.452	-	5.69324	1.98849	0.93	0.0471	104020	4.63	8.1
6.640	-	26.34263	6.99726	1.35	0.0519	90850	2.24	28.7
6.926	-	17.76466	3.70665	0.56	0.0600	73821	3.00	15.2
11.527	-	4.20542	5.92438e-1	1.03	0.1093	61581	31.93	2.4
12.455	-	13.35039	9.60937e-1	0.56	0.2333	15784	3.18	3.9

Signal 2: DAD1 B, Sig=235,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.2182	0.1710	-	-	-5.646

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.489	-	11.25755	2.21868	0.66	0.0781	2013	-	10.2
2.541	-	48.32230	4.38117	0.29	0.0933	4105	7.21	20.1
3.724	-	16.44921	5.27849	1.02	0.0524	28002	9.54	24.2
3.830	-	2.03838	7.72327e-1	1.36	0.0434	43125	1.30	3.5
3.928	-	8.05369	2.94470	1.59	0.0405	52130	1.37	13.5
4.059	-	64.67498	12.42700	0.87	0.0778	15092	1.31	56.9
4.293	-	7.10374	1.33528	1.34	0.0908	12376	1.63	6.1
4.473	-	387.46506	56.24876	0.91	0.0985	11422	1.12	257.7
4.725	-	141.15315	33.80588	1.95	0.0667	27833	1.79	154.9
4.818	-	191.55061	58.50817	0.70	0.0506	50307	0.92	268.1
5.199	-	4.46949	1.37347	1.49	0.0493	61530	4.49	6.3

Data File D:\DATA\040414\PPCP000011.D
Sample Name: 0.0005SPE C

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
5.469	-	109.08431	28.25201	0.93	0.0600	46022	2.90	129.5
5.617	-	18.02932	6.70668	1.06	0.0448	87246	1.67	30.7
5.717	-	27.68717	4.77788	0.37	0.0800	28294	0.94	21.9
5.980	-	6.48139	1.81400	1.25	0.0580	58894	2.24	8.3
6.074	-	6.78550	2.50975	0.78	0.0456	98104	1.06	11.5
6.451	-	4.89826	1.71372	0.97	0.0467	105871	4.81	7.9
6.640	-	17.63410	5.88675	0.89	0.0485	103913	2.33	27.0
6.926	-	13.07913	3.02125	0.68	0.0590	76215	3.12	13.8

Signal 3: DAD1 C, Sig=254,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.1255	9.959e-2	-	-	-1.854

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.494	-	32.07121	3.61271	0.77	0.1027	1173	-	28.8
2.541	-	31.40812	2.62127	0.27	0.0956	3917	6.21	20.9
3.723	-	15.17311	4.89371	0.99	0.0509	29626	9.48	39.0
3.928	-	3.79932	1.36511	1.53	0.0473	38208	2.46	10.9
4.061	-	26.02014	5.59781	1.00	0.0733	16987	1.29	44.6
4.441	-	642.90607	122.20837	0.44	0.0790	17486	2.93	973.6
4.700	-	323.84653	69.35068	0.71	0.0800	19118	1.91	552.5
4.854	-	158.08678	37.42246	1.22	0.0709	25958	1.20	298.1
5.197	-	2.26637	8.88187e-1	1.04	0.0417	86199	3.59	7.1
5.477	-	41.49188	11.12753	0.85	0.0570	51207	3.33	88.7
5.617	-	3.39553	1.47615	1.42	0.0368	129236	1.75	11.8
5.708	-	23.17066	4.67880	0.49	0.0607	48925	1.10	37.3
6.074	-	42.22977	10.57487	1.00	0.0525	74165	3.80	84.3
6.639	-	8.07310	1.37650	1.73	0.1324	13933	3.59	11.0
6.918	-	2.43340	6.10402e-1	1.28	0.0881	34125	1.49	4.9

Signal 4: DAD1 D, Sig=273,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.1115	8.705e-2	-	-	1.158

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.489	-	3.74908	7.10011e-1	0.60	0.0833	1769	-	6.4
3.722	-	39.30175	12.07191	0.87	0.0513	29126	19.48	108.3
3.924	-	15.42601	4.88727	1.04	0.0524	31092	2.29	43.8
4.059	-	21.55542	4.00324	0.66	0.0770	15410	1.23	35.9
4.250	-	10.66947	3.49020	0.86	0.0490	41590	1.77	31.3
4.439	-	78.23197	25.36160	0.93	0.0529	39076	2.18	227.4
4.543	-	26.04286	8.12851	0.60	0.0436	60184	1.27	72.9

Data File D:\DATA\040414\PPCP000011.D
Sample Name: 0.0005SPE C

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
4.692	-	72.59631	18.24053	0.62	0.0641	29677	1.62	163.6
4.859	-	52.59399	15.80107	0.90	0.0515	49282	1.70	141.7
5.474	-	61.02278	17.39478	0.95	0.0541	56783	6.85	156.0
5.714	-	16.70873	2.37825	0.35	0.1092	15177	1.72	21.3
6.069	-	11.61118	2.00339	2.00	0.1067	17935	1.93	18.0
6.638	-	9.39760	1.97795	1.09	0.0650	57786	3.90	17.7

Signal 5: DAD1 E, Sig=280,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	8.241e-2	6.488e-2	-	-	1.449

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
3.722	-	34.72495	10.62569	0.86	0.0513	29125	-	128.9
3.925	-	11.83076	3.90016	1.13	0.0511	32663	2.32	47.3
4.059	-	31.12202	5.68460	0.71	0.0787	14751	1.22	69.0
4.250	-	8.30175	2.72371	0.82	0.0482	43059	1.76	33.1
4.441	-	21.67244	8.59294	1.93	0.0317	108963	2.81	104.3
4.543	-	95.53328	23.32115	0.99	0.0682	24584	1.21	283.0
4.695	-	44.24080	9.78895	0.58	0.0767	20779	1.23	118.8
4.855	-	14.61153	3.97868	1.06	0.0628	33138	1.35	48.3
5.473	-	54.17941	15.15066	0.97	0.0556	53769	6.14	183.8
5.606	-	2.41581	9.72956e-1	1.06	0.0415	101171	1.60	11.8
5.717	-	15.98434	2.04349	0.32	0.1141	13913	0.84	24.8
6.067	-	9.60279	1.48052	2.16	0.1267	12712	1.71	18.0
6.639	-	11.50099	2.50221	1.14	0.0617	64209	3.56	30.4

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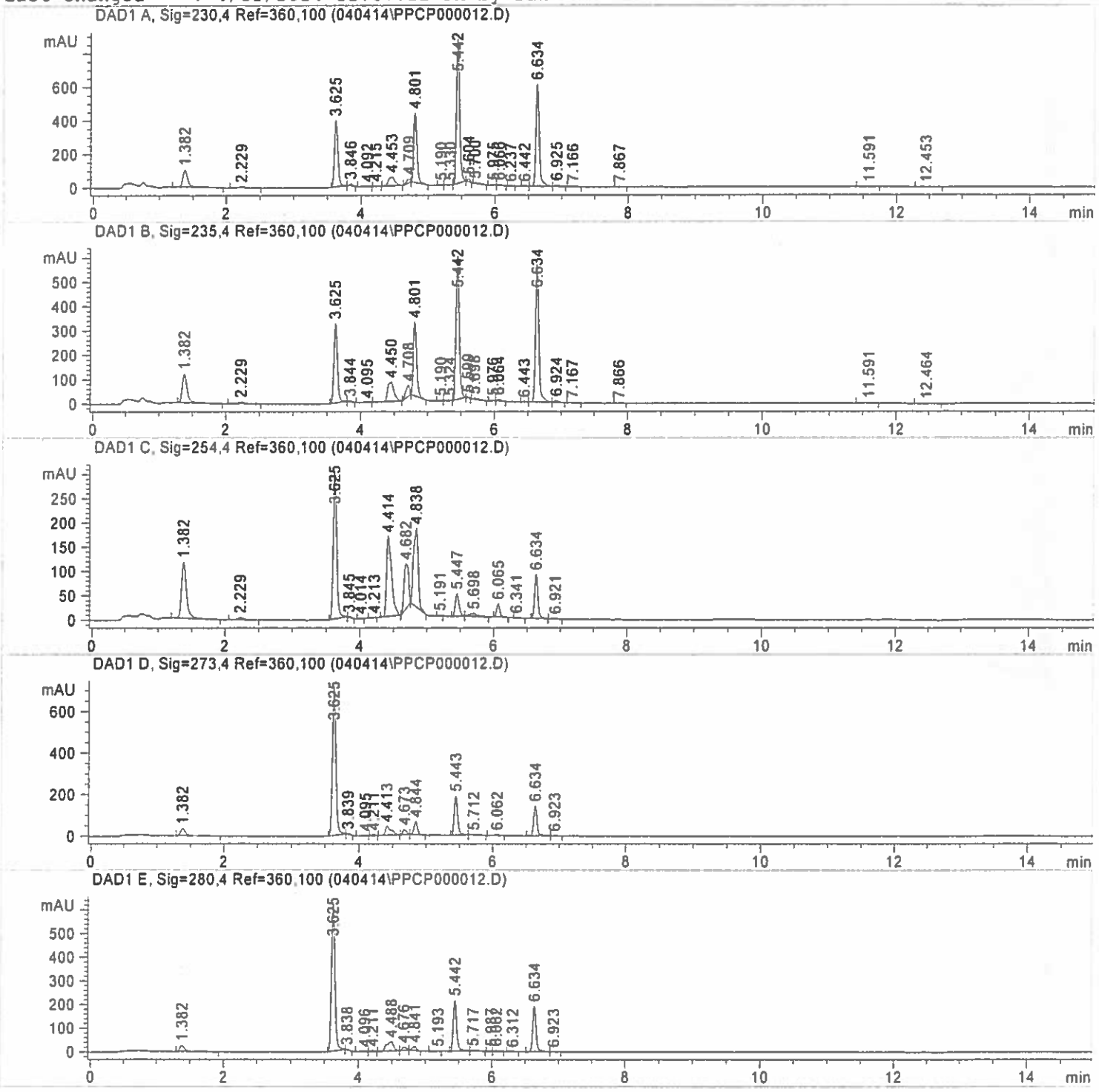
*** End of Report ***

Data File D:\DATA\040414\PPCP000012.D
Sample Name: 0.05SPE a

Acq. Operator	: sdk	Seq. Line	: 12
Acq. Instrument	: Instrument 1	Location	: Vial 15
Injection Date	: 4/4/2014 1:01:35 PM	Inj	: 1
		Inj Volume	: 95 µl
Acq. Method	: D:\Methods\PPCP0414.M		
Last changed	: 4/4/2014 12:58:33 PM by sdk		
Analysis Method	: D:\Kentmethods\LCMSdefault.m		
Last changed	: 4/11/2014 12:07:22 PM by sdk		



Area Percent Report with Performance and Noise

Multiplier : 1.0000

Data File D:\DATA\040414\PPCP000012.D
Sample Name: 0.05SPE a

Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=230,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.3100	0.2135	-	-	-14.152

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.382	-	516.16248	101.69702	0.65	0.0700	2160	-	328.0
2.229	-	41.64810	6.89540	0.84	0.0889	3482	6.26	22.2
3.625	-	1438.95898	398.03134	0.79	0.0556	23582	11.36	1283.9
3.846	-	48.55285	14.28967	0.79	0.0548	27324	2.36	46.1
4.092	-	7.09310	1.48705	1.76	0.0617	24394	2.48	4.8
4.215	-	10.23768	3.00456	0.72	0.0996	9914	0.89	9.7
4.453	-	364.09991	54.32150	1.02	0.1067	9653	1.36	175.2
4.709	-	94.85926	25.12736	2.46	0.0479	53465	1.95	81.1
4.801	-	1412.94006	417.13367	0.75	0.0513	48456	1.08	1345.5
5.190	-	6.18083	2.29892	1.23	0.0439	77368	4.81	7.4
5.330	-	9.07307	2.24194	2.50	0.0449	78023	1.85	7.2
5.442	-	2886.65283	862.37799	0.82	0.0511	62799	1.37	2781.7
5.604	-	45.92091	17.53694	0.75	0.0374	124159	2.16	56.6
5.700	-	18.86432	2.58049	0.14	0.0527	64753	1.25	8.3
5.975	-	7.35999	2.26344	1.31	0.0513	75148	3.10	7.3
6.066	-	19.24550	6.20574	0.70	0.0477	89609	1.07	20.0
6.237	-	2.50647	7.11347e-1	0.70	0.0671	47799	1.75	2.3
6.442	-	8.12250	2.56701	0.82	0.0513	87428	2.04	8.3
6.634	-	2134.47412	609.57953	0.79	0.0517	91341	2.19	1966.3
6.925	-	35.61339	9.84005	0.81	0.0547	88888	3.21	31.7
7.166	-	8.68531	2.11552	1.02	0.0652	66954	2.37	6.8
7.867	-	2.63548	5.67836e-1	0.72	0.0705	69036	6.07	1.8
11.591	-	10.51323	1.33530	1.16	0.1213	50555	22.81	4.3
12.453	-	13.86747	9.89535e-1	0.59	0.2311	16084	2.87	3.2

Signal 2: DAD1 B, Sig=235,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.2759	0.1884	-	-	-12.634

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resolution	Signal /Noise
1.382	-	580.24408	117.51023	0.65	0.0683	2267	-	425.9
2.229	-	50.37804	8.24844	0.83	0.0878	3571	6.37	29.9
3.625	-	1188.43433	327.02728	0.78	0.0556	23582	11.44	1185.1
3.844	-	12.73191	3.96944	0.63	0.0561	26034	2.31	14.4
4.095	-	4.36846	8.98077e-1	1.71	0.0655	21679	2.42	3.3
4.450	-	526.47986	80.06482	1.16	0.1011	10730	2.51	290.2
4.708	-	184.42307	45.39500	2.22	0.0610	33002	1.87	164.5

Data File D:\DATA\040414\PPCP000012.D
Sample Name: 0.05SPE a

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
4.801	-	1051.92188	303.69638	0.71	0.0521	47008	0.97	1100.6
5.190	-	5.37552	2.00416	1.17	0.0439	77346	4.75	7.3
5.324	-	12.34736	3.00888	1.91	0.0761	27090	1.32	10.9
5.442	-	2012.71008	594.67438	0.81	0.0521	60392	1.08	2155.1
5.599	-	7.95973	3.47737	0.48	0.0412	102249	1.98	12.6
5.698	-	16.68824	2.13092	0.22	0.0733	33441	1.01	7.7
5.976	-	7.72638	2.51644	1.32	0.0495	80836	2.67	9.1
6.064	-	20.34457	6.91759	0.78	0.0462	95644	1.08	25.1
6.443	-	6.66998	2.14076	0.90	0.0510	88574	4.58	7.8
6.634	-	1988.73096	568.63074	0.79	0.0517	91341	2.19	2060.7
6.924	-	29.18069	8.15852	0.81	0.0540	91092	3.23	29.6
7.167	-	7.37582	1.79439	0.94	0.0633	70949	2.43	6.5
7.866	-	3.05557	7.00971e-1	0.76	0.0658	79096	6.36	2.5
11.591	-	8.44426	1.09813	1.16	0.1187	52855	23.72	4.0
12.464	-	12.02602	8.92561e-1	0.71	0.2267	16752	2.97	3.2

Signal 3: DAD1 C, Sig=254,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.1525	0.1011	-	-	-4.018

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.382	-	577.05383	115.40986	0.68	0.0700	2160	-	756.9
2.229	-	28.94325	4.82359	0.83	0.0878	3571	6.30	31.6
3.625	-	1110.66113	304.29520	0.77	0.0556	23581	11.44	1995.7
3.845	-	4.54842	1.41215	0.41	0.0319	80710	2.96	9.3
4.014	-	2.62421	8.14316e-1	1.49	0.0674	19652	2.01	5.3
4.213	-	2.19368	7.70236e-1	1.88	0.0529	35160	1.95	5.1
4.414	-	870.63831	164.73862	0.43	0.0829	15719	1.73	1080.4
4.682	-	435.35214	92.65578	0.76	0.0811	18460	1.92	607.7
4.838	-	787.53516	161.32712	1.45	0.0822	19182	1.12	1058.0
5.191	-	3.57509	1.34953	1.08	0.0439	77499	3.29	8.9
5.447	-	182.45148	46.16423	0.72	0.0607	44654	2.87	302.8
5.698	-	48.95115	5.64241	0.85	0.1152	13543	1.68	37.0
6.065	-	90.39288	27.01269	0.81	0.0513	77339	2.59	177.2
6.341	-	3.91229	7.21771e-1	0.29	0.0593	63439	2.93	4.7
6.634	-	313.04379	90.55936	0.81	0.0519	90690	3.10	593.9
6.921	-	7.24312	1.66168	1.54	0.0970	28180	2.26	10.9

Signal 4: DAD1 D, Sig=273,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.1249	8.867e-2	-	-	-5.737e-1

Data File D:\DATA\040414\PPCP000012.D
Sample Name: 0.05SPE a

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.382	-	164.59952	33.69114	0.66	0.0700	2161	-	269.7
3.625	-	2596.24219	711.89691	0.77	0.0556	23582	20.98	5698.0
3.839	-	11.67768	3.75006	0.43	0.0259	121482	3.09	30.0
4.095	-	2.92312	5.71188e-1	2.84	0.0490	38656	4.01	4.6
4.211	-	14.33531	4.49488	0.93	0.0516	36968	1.36	36.0
4.413	-	271.54034	43.87512	0.35	0.1124	8542	1.44	351.2
4.673	-	100.07433	25.15860	0.65	0.0667	27218	1.71	201.4
4.844	-	218.41449	62.00708	0.98	0.0533	45706	1.68	496.3
5.443	-	675.29376	188.55902	0.76	0.0533	57698	6.59	1509.2
5.712	-	14.74147	1.96059	0.36	0.1111	14642	1.93	15.7
6.062	-	26.05434	5.58963	1.52	0.0567	63400	2.45	44.7
6.634	-	507.09851	144.59213	0.80	0.0524	88866	6.16	1157.3
6.923	-	4.39410	1.36776	0.86	0.0509	102452	3.29	10.9

Signal 5: DAD1 E, Sig=280,4 Ref=360,100

Noise determination:

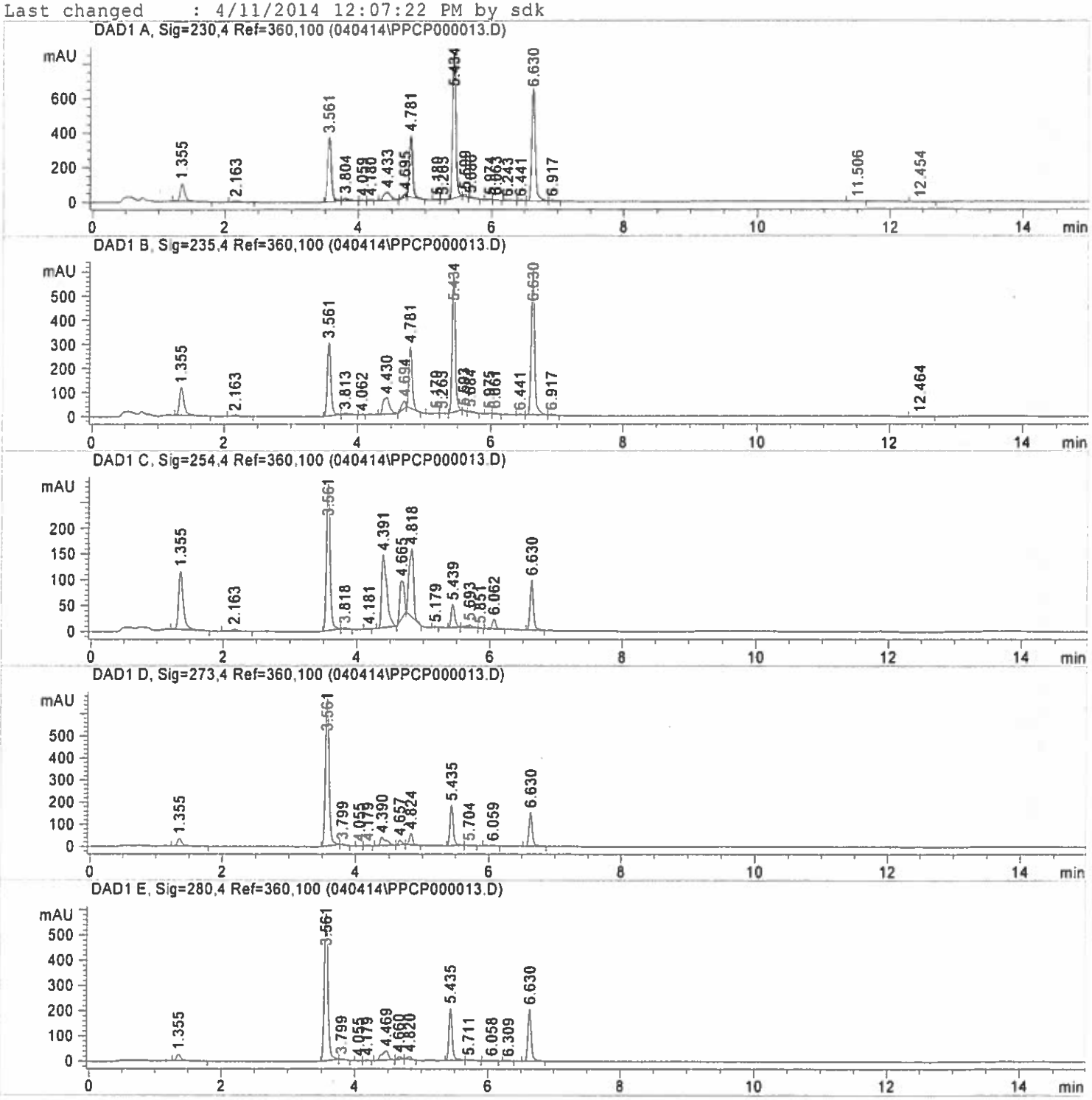
Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	9.371e-2	6.816e-2	-	-	-8.961e-1

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.382	-	124.44286	25.55528	0.66	0.0667	2382	-	272.7
3.625	-	2278.88721	624.18213	0.77	0.0556	23581	21.56	6660.8
3.838	-	9.54156	3.02621	0.38	0.0241	140805	3.15	32.3
4.096	-	2.83875	6.68141e-1	2.01	0.0486	39388	4.17	7.1
4.211	-	11.01750	3.49914	0.94	0.0511	37612	1.37	37.3
4.488	-	287.77170	38.91526	1.85	0.1295	6650	1.80	415.3
4.676	-	61.19984	13.43049	0.61	0.0800	18931	1.06	143.3
4.841	-	72.26076	16.52399	1.33	0.0748	23192	1.25	176.3
5.193	-	2.65258	5.09132e-1	2.80	0.1193	10503	2.13	5.4
5.442	-	764.55756	215.37050	0.75	0.0525	59534	1.71	2298.3
5.717	-	12.86455	1.70152	0.24	0.0893	22692	2.28	18.2
5.987	-	5.15525	1.50091	1.62	0.0428	108526	2.40	16.0
6.062	-	15.27368	3.92279	1.01	0.0612	54330	0.84	41.9
6.312	-	2.35319	5.50553e-1	1.06	0.0733	41046	2.19	5.9
6.634	-	682.54980	194.43074	0.79	0.0517	91340	3.03	2074.8
6.923	-	4.13979	1.29619	0.85	0.0515	100055	3.29	13.8

*** End of Report ***

Data File D:\DATA\040414\PPCP000013.D
Sample Name: 0.05SPE b

Acq. Operator	: sdk	Seq. Line	: 13
Acq. Instrument	: Instrument 1	Location	: Vial 16
Injection Date	: 4/4/2014 1:19:43 PM	Inj	: 1
		Inj Volume	: 95 µl
Acq. Methbd	: D:\Methods\PPCP0414.M		
Last changed	: 4/4/2014 1:16:42 PM by sdk		
Analysis Method	: D:\Kentmethods\LCMSdefault.m		
Last changed	: 4/11/2014 12:07:22 PM by sdk		



Area Percent Report with Performance and Noise

Multiplier : 1.0000

Data File D:\DATA\040414\PPCP000013.D
Sample Name: 0.05SPE b

Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=230,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.4618	0.3549	-	-	-15.881

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.355	-	492.63477	99.76350	0.67	0.0680	2200	-	216.0
2.163	-	30.69392	5.74118	0.81	0.0800	4049	6.41	12.4
3.561	-	1390.15930	373.17468	0.77	0.0570	21593	11.99	808.1
3.804	-	71.48334	14.60792	0.50	0.0652	18867	2.34	31.6
4.059	-	5.76902	1.86320	1.04	0.0530	32469	2.53	4.0
4.180	-	7.60530	2.70393	1.14	0.0467	44445	1.43	5.9
4.433	-	328.45990	47.27310	1.02	0.1124	8621	1.87	102.4
4.695	-	65.48250	17.55611	3.08	0.0432	65518	1.98	38.0
4.781	-	1188.30457	354.66989	0.76	0.0511	48469	1.07	768.1
5.180	-	5.47379	2.05057	1.20	0.0431	79897	4.98	4.4
5.263	-	2.56975	1.12945	1.29	0.0392	100039	1.18	2.4
5.434	-	2799.64136	834.69647	0.82	0.0520	60499	2.20	1807.6
5.599	-	44.09518	16.89930	0.77	0.0403	107152	2.10	36.6
5.686	-	12.29833	2.42433	0.18	0.0345	150075	1.37	5.3
5.974	-	5.98145	1.78506	1.35	0.0522	72508	3.91	3.9
6.063	-	14.48031	4.32376	0.60	0.0524	74234	1.00	9.4
6.243	-	3.65646	6.77464e-1	0.61	0.0821	32075	1.57	1.5
6.441	-	8.63595	2.43523	0.74	0.0561	72917	1.68	5.3
6.630	-	2292.66553	651.48065	0.81	0.0525	88356	2.05	1410.8
6.917	-	15.63161	4.26876	0.72	0.0545	89092	3.15	9.2
11.506	-	3.92981	5.69851e-1	1.10	0.1093	61356	32.90	1.2
12.454	-	13.32607	9.88925e-1	0.63	0.2244	17058	3.34	2.1

Signal 2: DAD1 B, Sig=235,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.4434	0.3368	-	-	-14.909

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.355	-	560.57813	115.22733	0.65	0.0680	2199	-	259.9
2.163	-	38.10099	6.99806	0.80	0.0811	3939	6.37	15.8
3.561	-	1147.50378	306.74280	0.77	0.0570	21593	11.89	691.8
3.813	-	37.30703	5.52158	0.38	0.1052	7282	1.83	12.5
4.062	-	3.55489	1.18369	1.28	0.0600	25392	1.77	2.7
4.430	-	463.23502	68.76389	1.15	0.1038	10091	2.64	155.1
4.694	-	129.67273	32.42127	2.66	0.0521	45034	1.99	73.1
4.781	-	861.10107	255.23331	0.73	0.0521	46614	0.98	575.6
5.179	-	6.73452	1.89771	1.81	0.0455	71929	4.80	4.3

Data File D:\DATA\040414\PPCP000013.D
Sample Name: 0.05SPE b

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
5.263	-	5.27688	1.19877	0.39	0.0769	25922	0.81	2.7
5.434	-	1949.34351	575.54840	0.82	0.0521	60222	1.56	1298.1
5.593	-	8.96250	3.80656	0.51	0.0176	556515	2.68	8.6
5.684	-	16.55919	2.94727	0.28	0.0540	61384	1.49	6.6
5.975	-	6.84906	2.15358	1.39	0.0512	75373	3.25	4.9
6.061	-	13.84968	4.47960	0.66	0.0487	85741	1.00	10.1
6.441	-	7.45873	2.06434	0.75	0.0576	69221	4.20	4.7
6.630	-	2135.85889	607.61462	0.81	0.0525	88356	2.02	1370.4
6.917	-	12.45405	3.48962	0.74	0.0539	91094	3.16	7.9
12.464	-	11.62090	8.87113e-1	0.75	0.2200	17781	23.79	2.0

Signal 3: DAD1 C, Sig=254,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.2573	0.1853	-	-	-5.634

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.355	-	554.31940	112.80561	0.66	0.0680	2200	-	438.3
2.163	-	23.50121	4.20172	0.85	0.0811	3939	6.37	16.3
3.561	-	1069.60278	285.09286	0.76	0.0567	21875	11.92	1107.8
3.818	-	11.69571	2.19382	0.47	0.0800	12618	2.21	8.5
4.181	-	2.29055	8.43314e-1	1.47	0.0481	41872	3.33	3.3
4.391	-	761.38904	141.16650	0.41	0.0848	14866	1.85	548.5
4.665	-	342.44122	74.75049	0.73	0.0804	18666	1.95	290.5
4.818	-	627.22205	131.15826	1.48	0.0815	19367	1.11	509.6
5.179	-	2.82902	1.07924	1.12	0.0433	79123	3.40	4.2
5.439	-	173.01350	44.43407	0.73	0.0600	45517	2.95	172.7
5.693	-	35.69281	5.11524	1.31	0.1030	16936	1.83	19.9
5.851	-	2.03755	7.48954e-1	0.44	0.0305	203700	1.39	2.9
6.062	-	73.92960	19.15405	0.96	0.0533	71575	2.96	74.4
6.630	-	337.61099	96.83263	0.82	0.0526	88045	6.30	376.3

Signal 4: DAD1 D, Sig=273,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.2017	0.1581	-	-	-2.975

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.355	-	161.93619	32.94247	0.65	0.0680	2199	-	163.3
3.561	-	2500.02905	666.98547	0.77	0.0567	21876	20.79	3306.8
3.799	-	11.95816	3.71518	0.58	0.0431	43013	2.80	18.4
4.055	-	2.13439	7.34553e-1	1.19	0.0478	39899	3.31	3.6
4.179	-	13.11953	4.12111	0.91	0.0513	36793	1.48	20.4
4.390	-	244.75450	37.81455	0.32	0.1219	7185	1.43	187.5

Data File D:\DATA\040414\PPCP000013.D
Sample Name: 0.05SPE b

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
4.657	-	83.70223	21.54471	0.66	0.0653	28154	1.68	106.8
4.824	-	180.70967	51.53832	0.95	0.0527	46483	1.66	255.5
5.435	-	652.88324	182.38365	0.76	0.0533	57534	6.77	904.2
5.704	-	11.17615	1.61548	0.36	0.1087	15265	1.95	8.0
6.059	-	19.72971	3.76351	1.74	0.0629	51480	2.43	18.7
6.630	-	545.16986	154.54045	0.81	0.0525	88355	5.81	766.2

Signal 5: DAD1 E, Sig=280,4 Ref=360,100

Noise determination:

Time range from [min]	to [min]	Noise (6*SD) [mAU]	Noise (PtoP) [mAU]	Noise (ASTM) [mAU]	Wander [mAU]	Drift [mAU/h]
8.000	9.000	0.1461	9.730e-2	-	-	-2.244

RetTime [min]	k'	Area [mAU*s]	Height [mAU]	Symm.	Width [min]	Plates	Resol ution	Signal /Noise
1.355	-	120.95347	24.87113	0.64	0.0680	2199	-	170.2
3.561	-	2192.47974	584.73132	0.76	0.0567	21875	20.79	4001.1
3.799	-	13.01747	3.29766	0.43	0.0456	38391	2.74	22.6
4.055	-	2.25387	7.58465e-1	1.02	0.0481	39303	3.21	5.2
4.179	-	9.94295	3.18297	0.92	0.0508	37541	1.47	21.8
4.469	-	268.28040	37.07943	1.82	0.1276	6794	1.91	253.7
4.660	-	50.47379	11.40546	0.61	0.0796	19012	1.08	78.0
4.820	-	57.14732	13.25515	1.32	0.0741	23461	1.22	90.7
5.435	-	739.60590	208.21118	0.76	0.0533	57525	5.66	1424.7
5.711	-	10.92855	1.37928	0.23	0.0953	19878	2.18	9.4
6.058	-	16.10299	2.69825	1.97	0.1192	14319	1.91	18.5
6.309	-	2.33535	5.25916e-1	1.11	0.0741	40185	1.52	3.6
6.630	-	733.71521	207.85194	0.81	0.0514	92075	3.01	1422.3

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*** End of Report ***

Display Report - All Windows All Analyses

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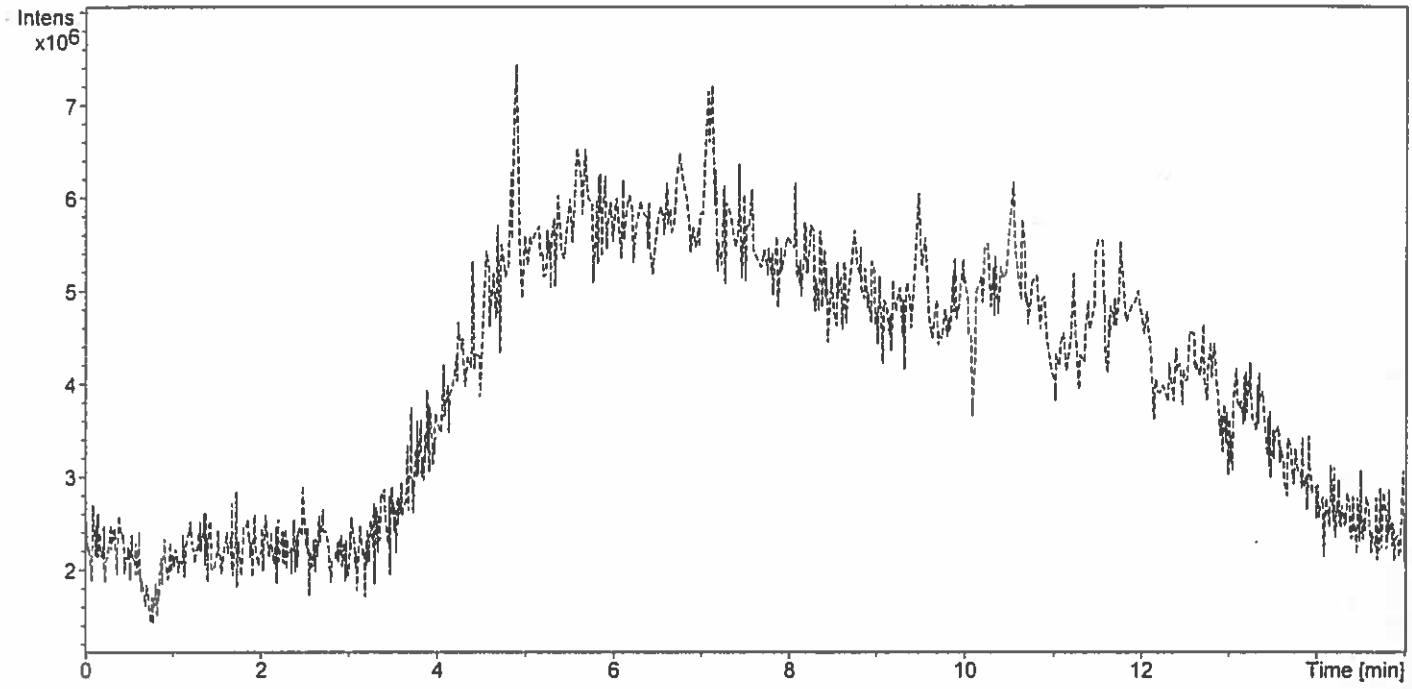

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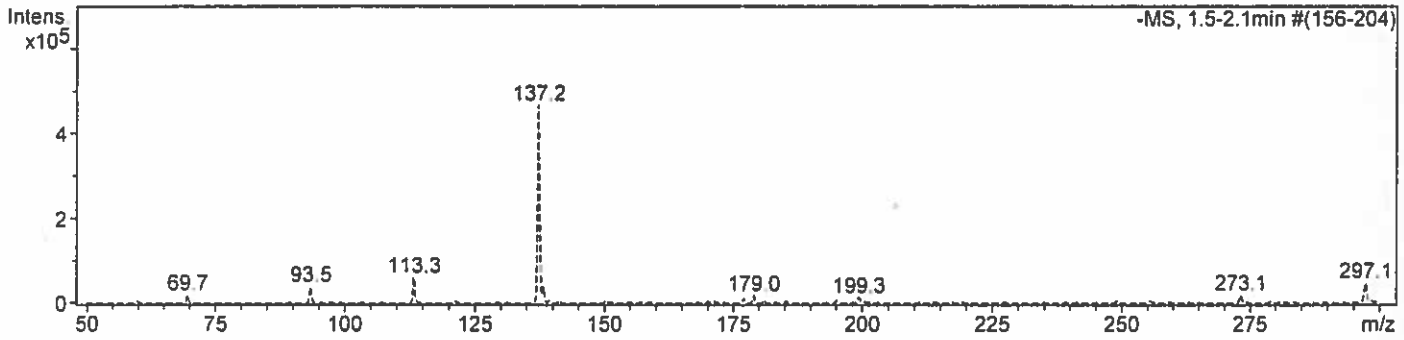

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Display Report - All Windows All Analyses

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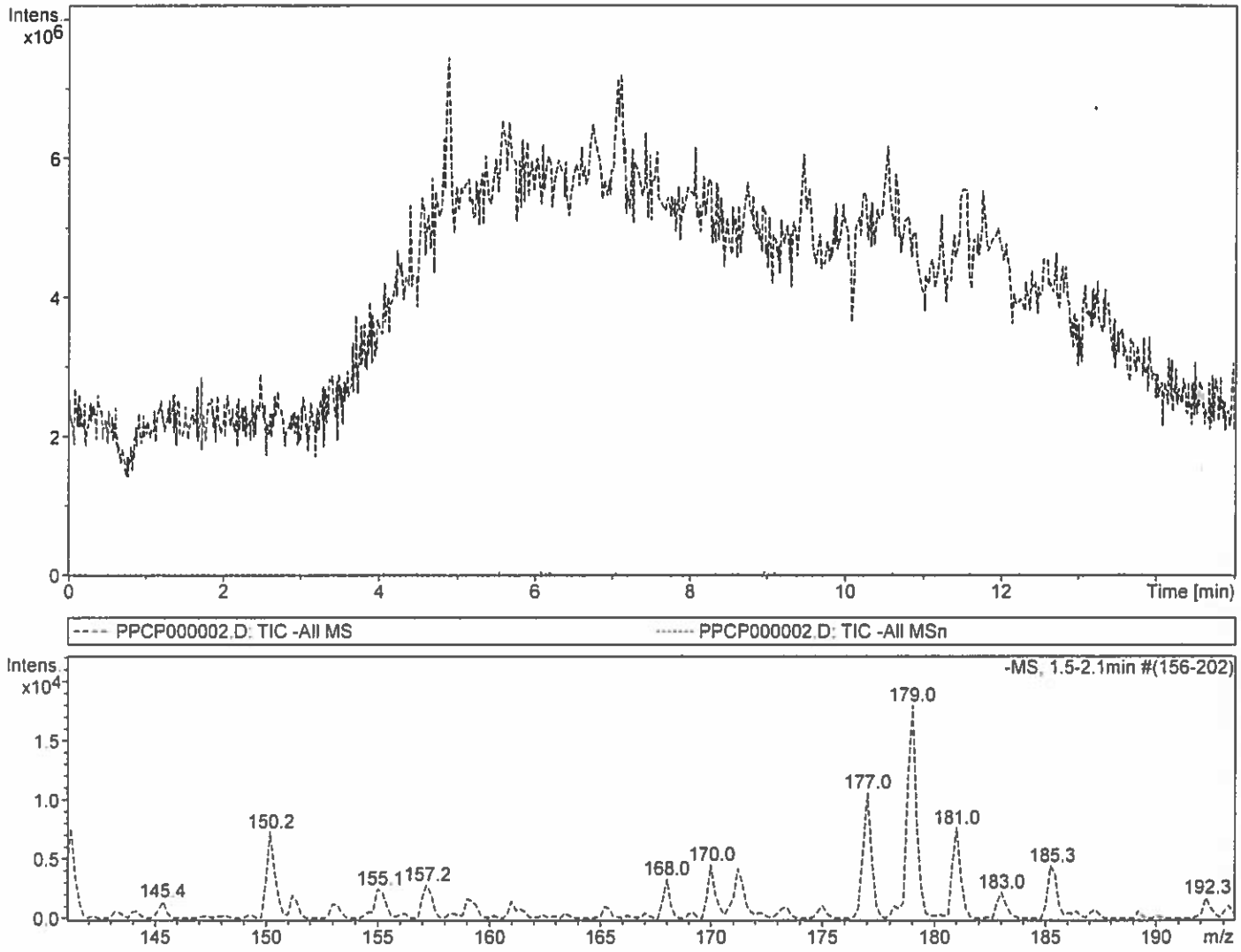

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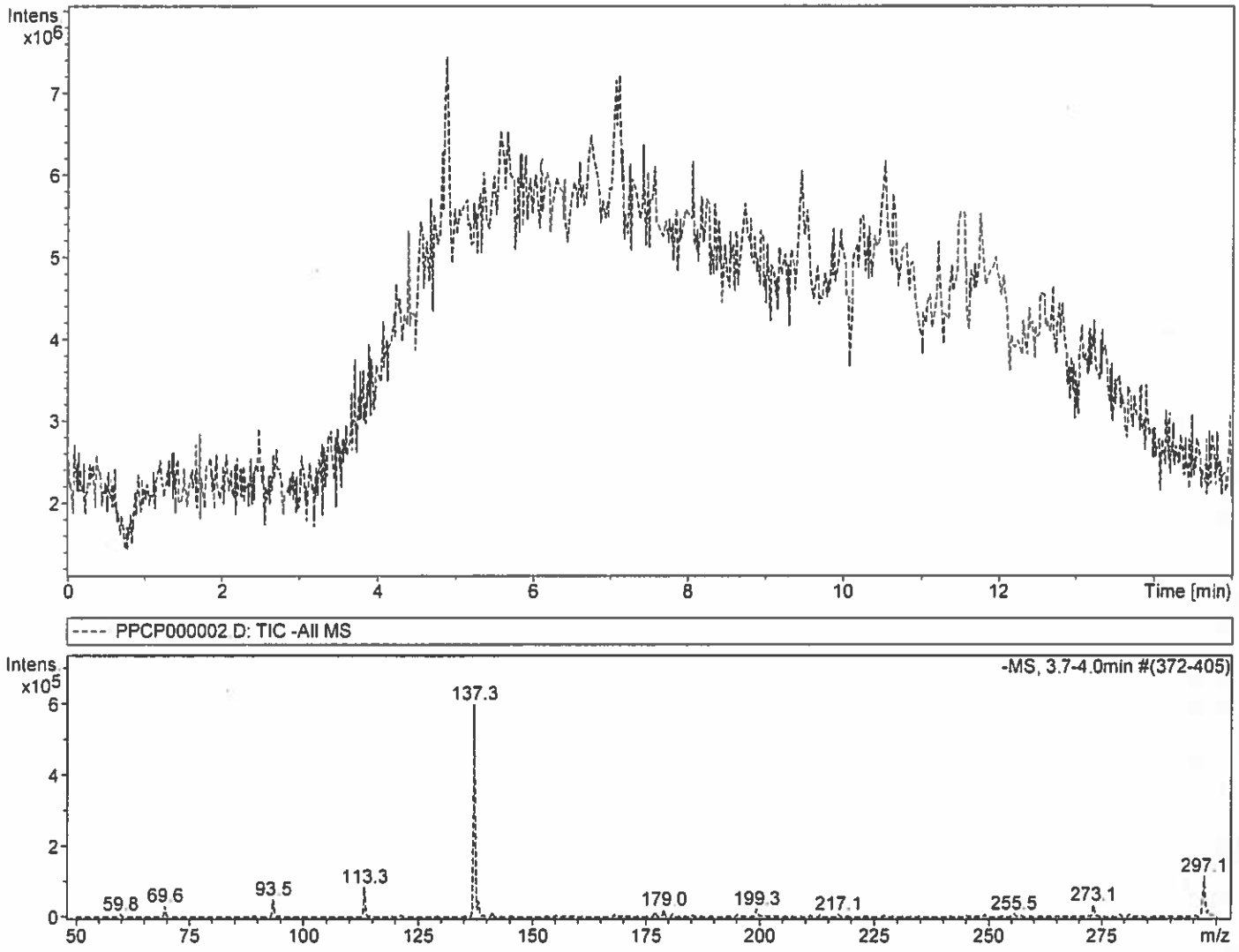

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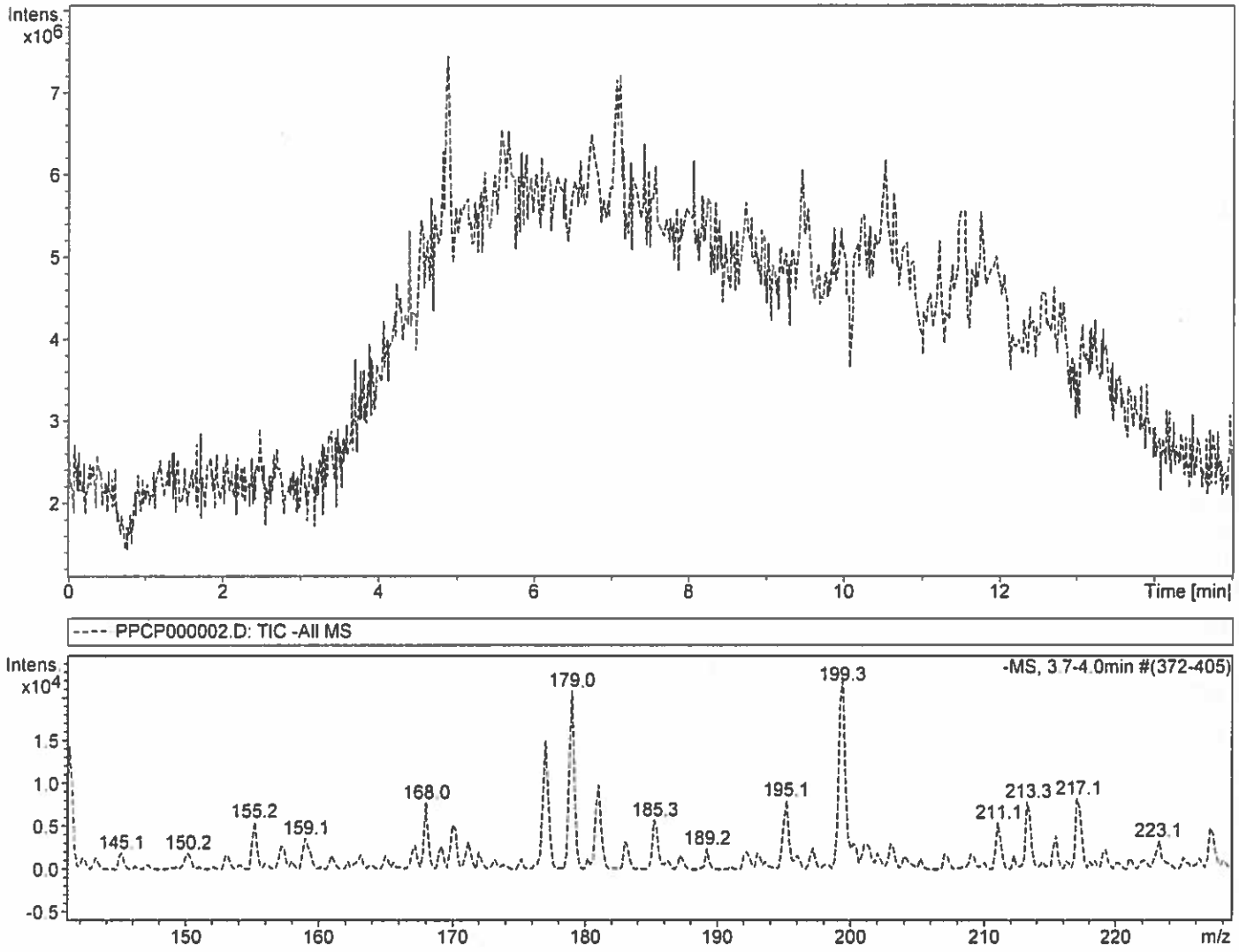

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Display Report - All Windows All Analyses

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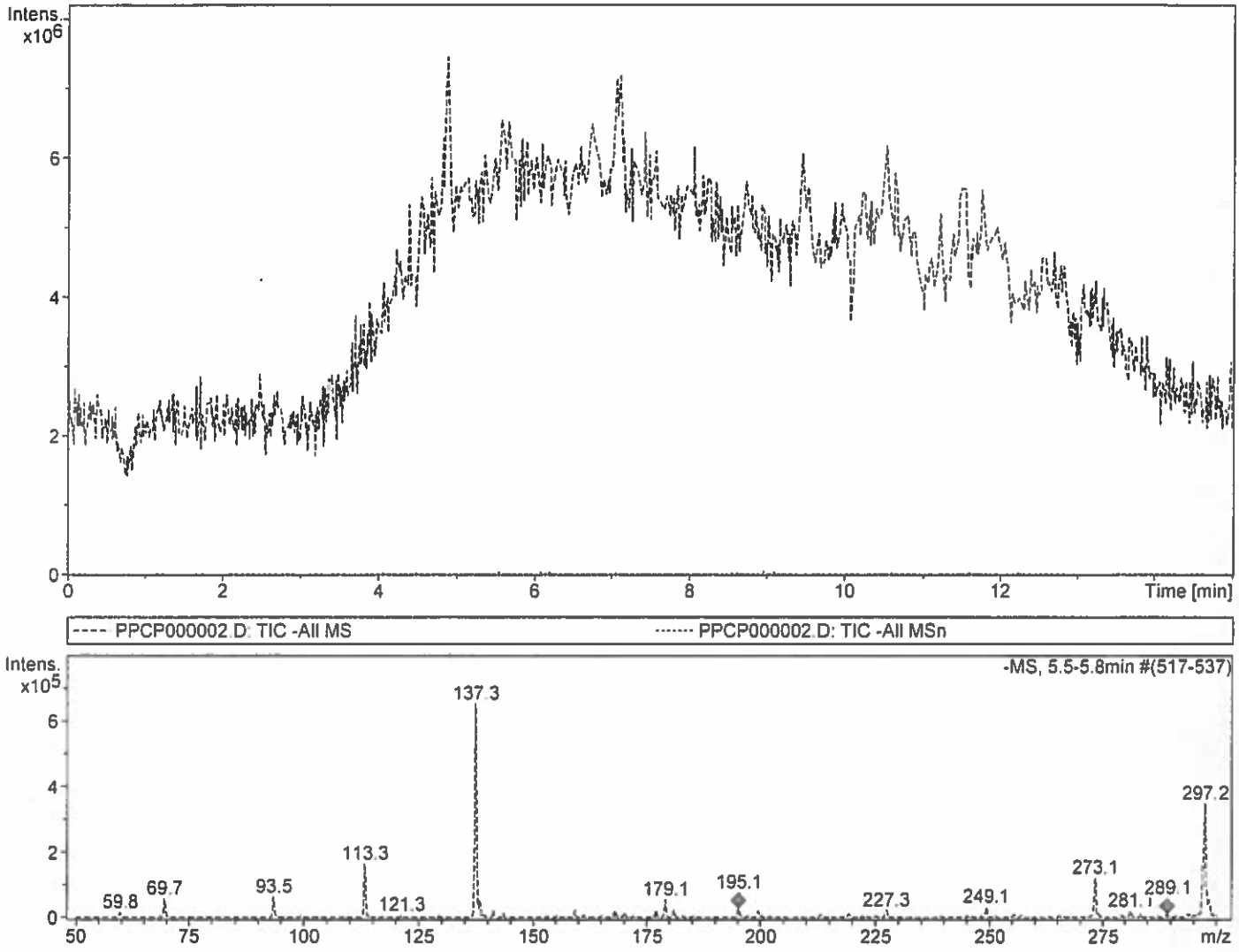

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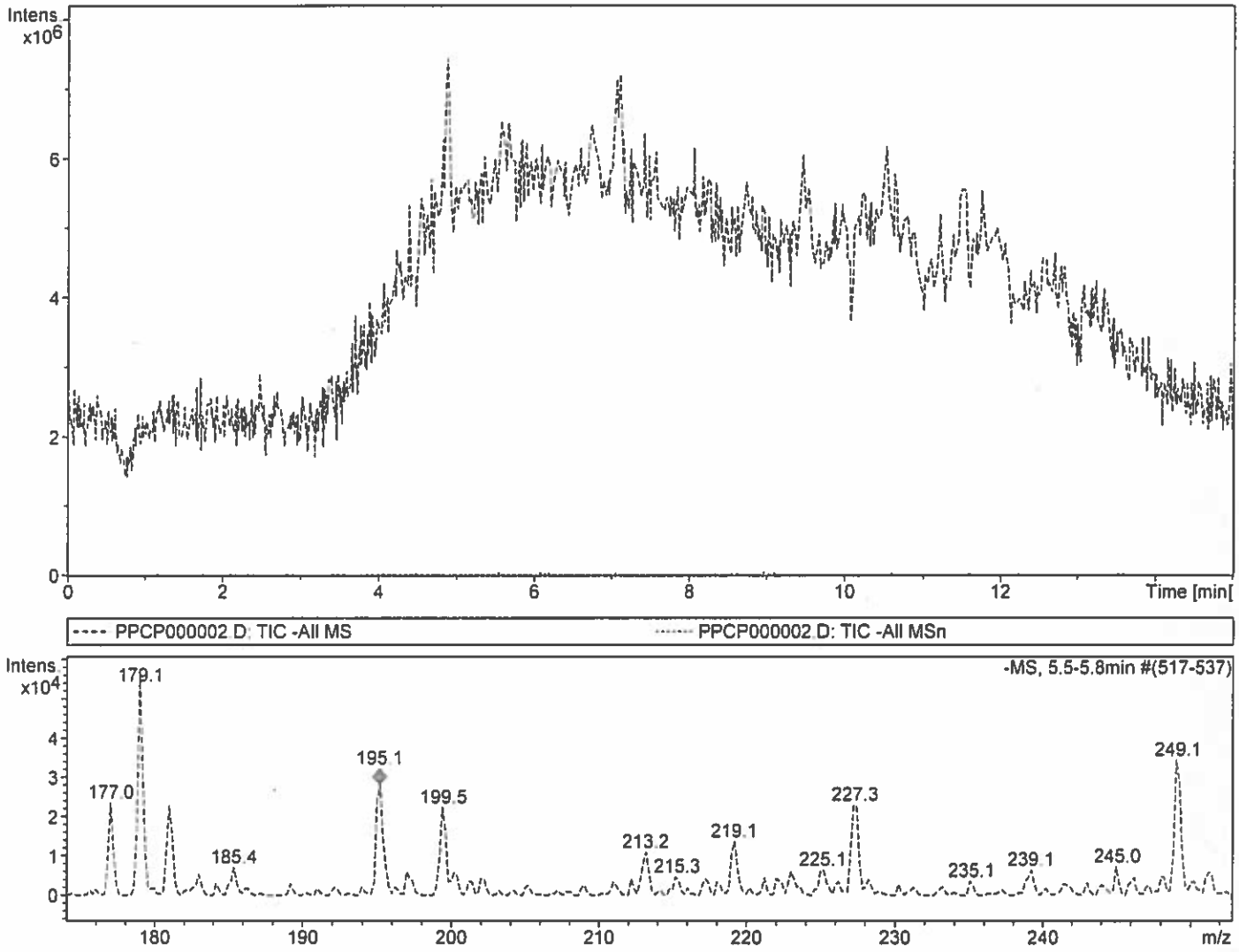
Display Report - All Windows All Analyses

Operator: Administrator **Instrumen** LC-MSD-Trap-XCT **Print Dat** 4/11/2014 10:16:51 AM



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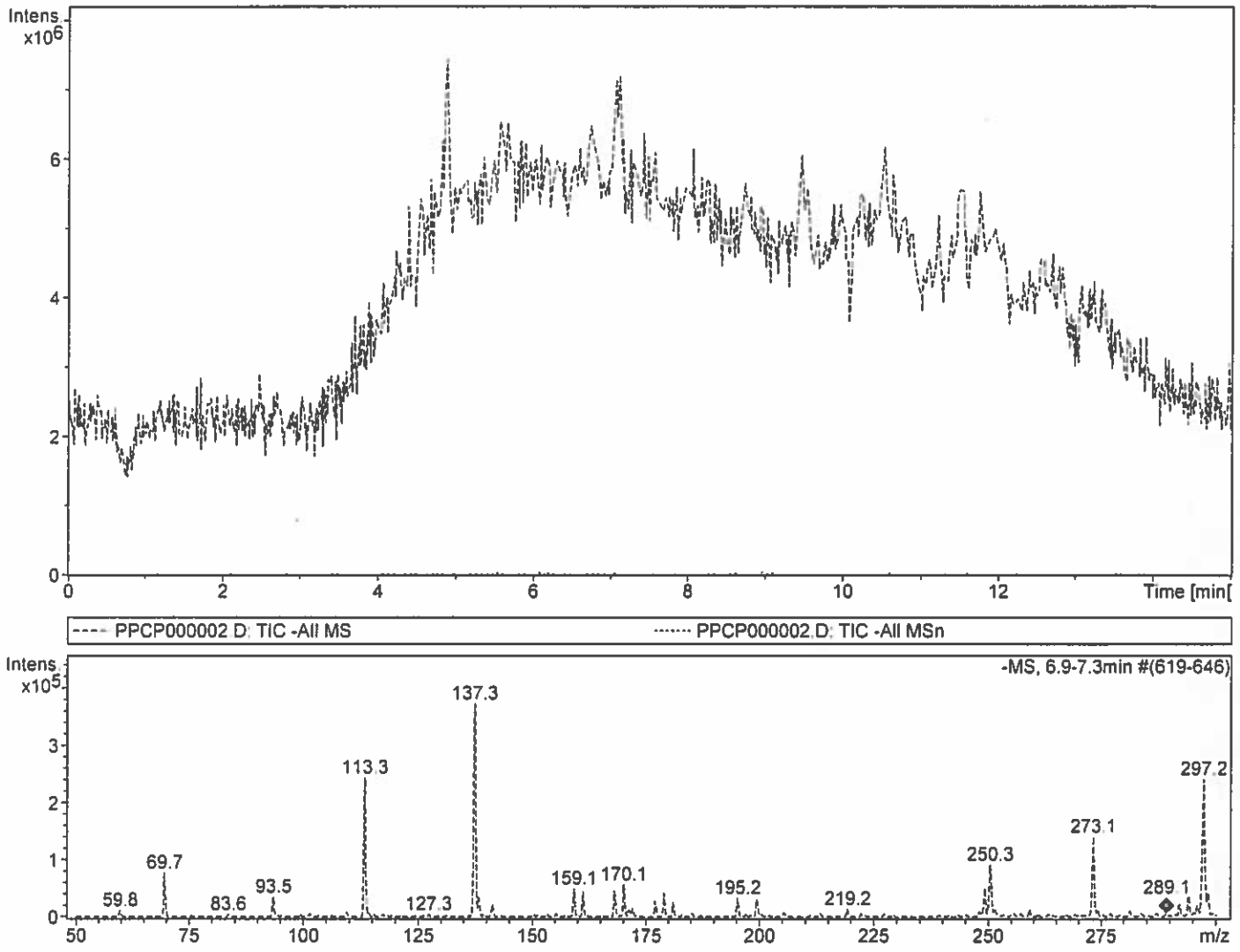
Operator: Administrator **Instrumen** LC-MSD-Trap-XCT **Print Dat** 4/11/201 4 10:18:04 AM



Agilent Technologies

Display Report - All Windows All Analyses

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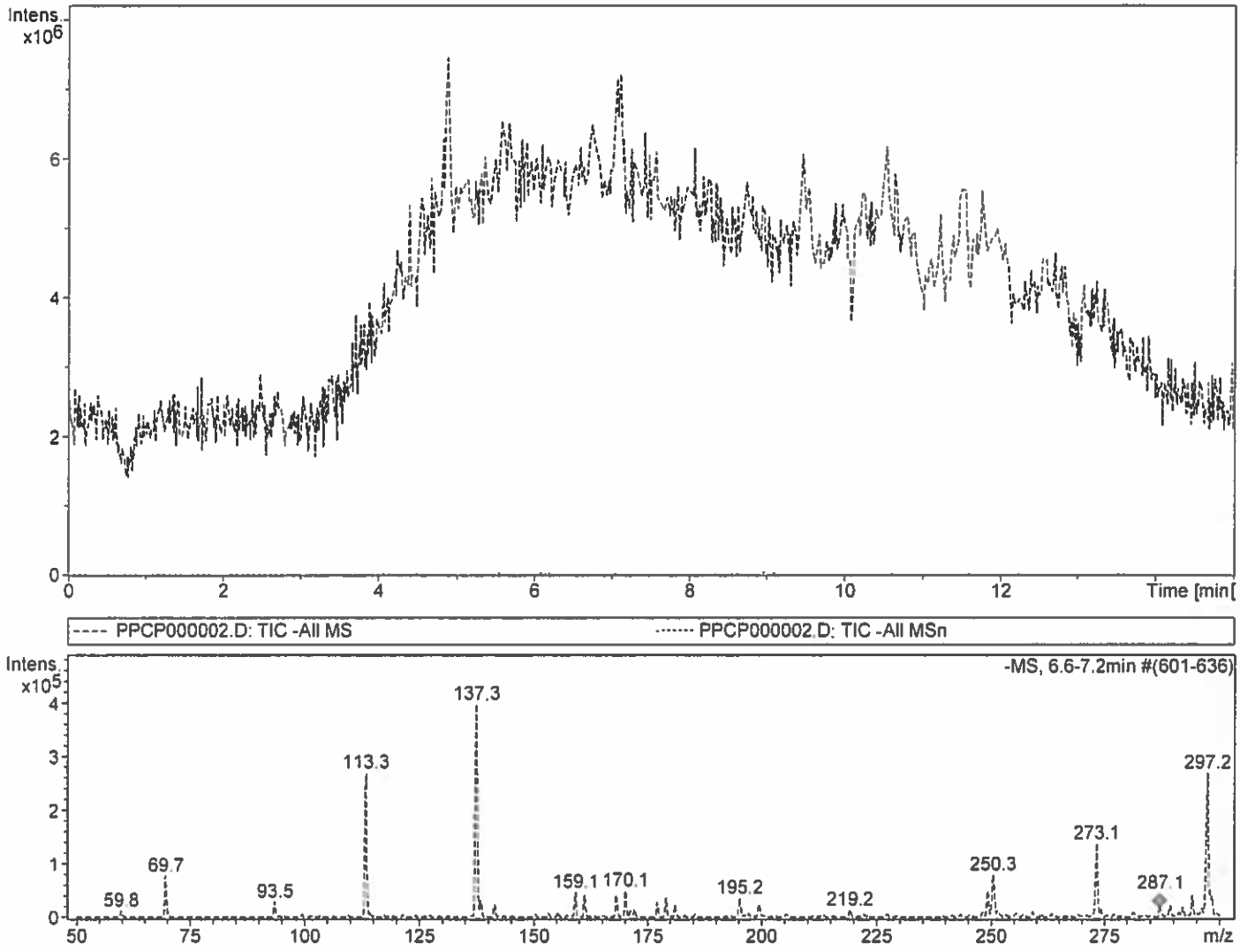

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Display Report - All Windows All Analyses

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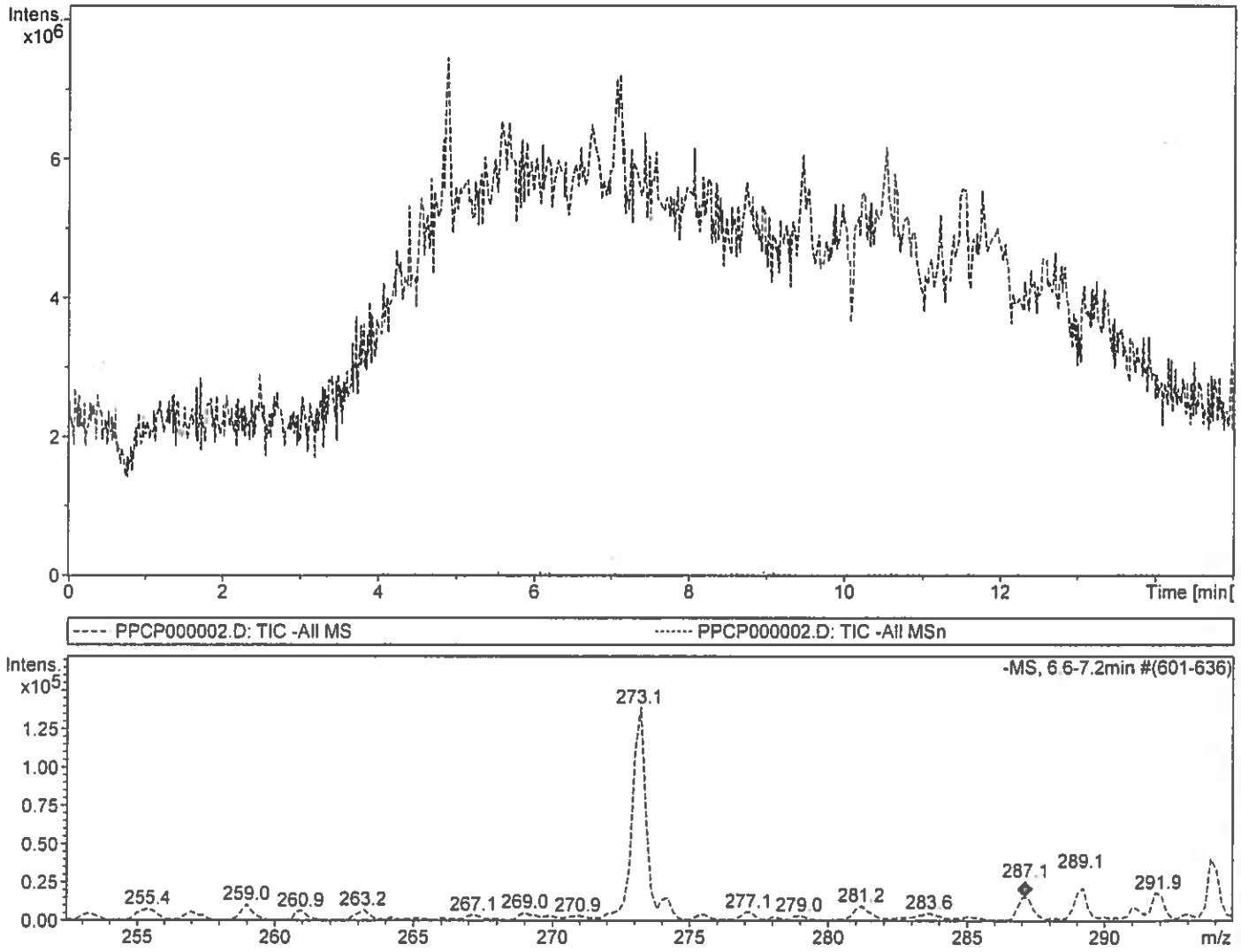

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Display Report - All Windows All Analyses

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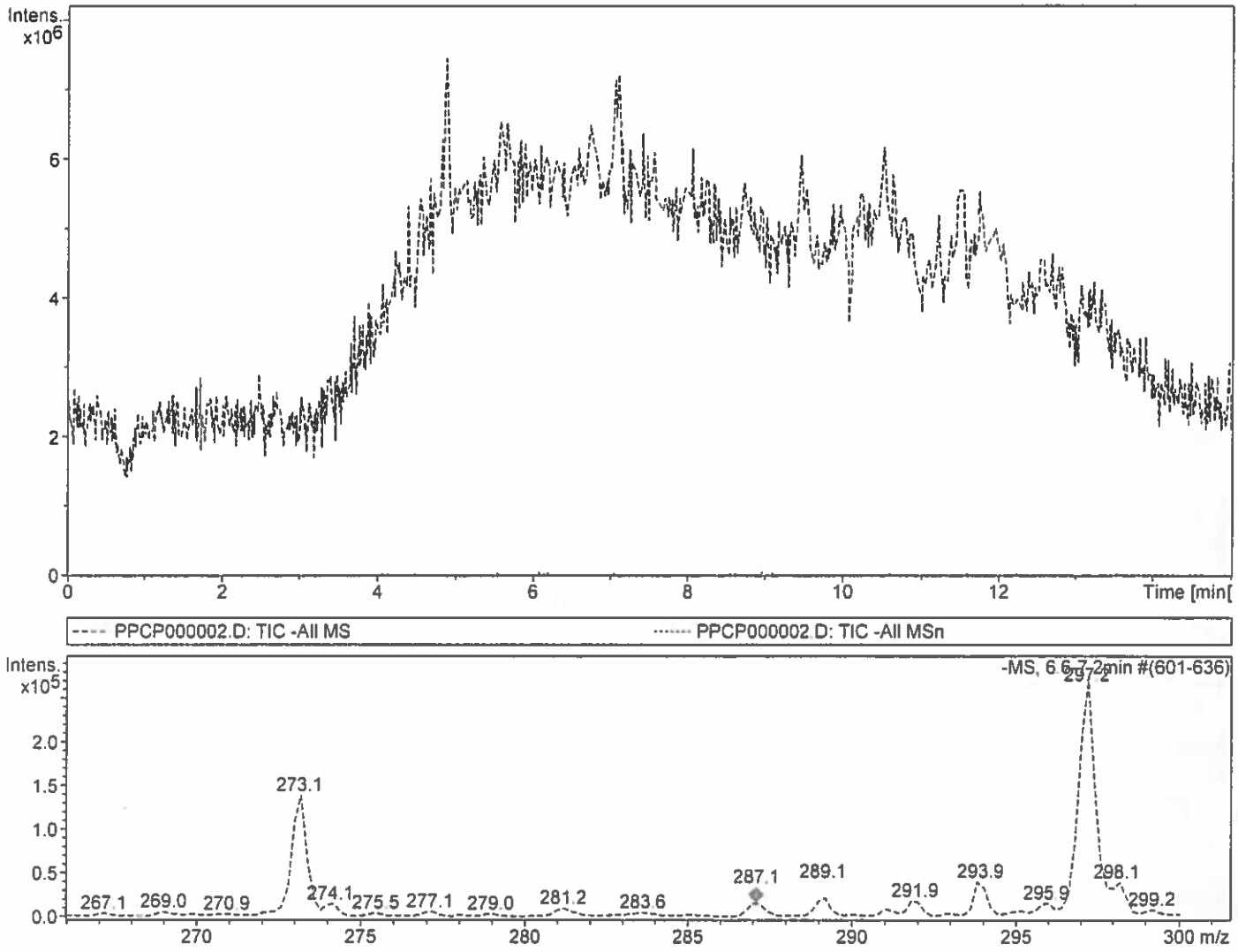

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Display Report - All Windows All Analyses

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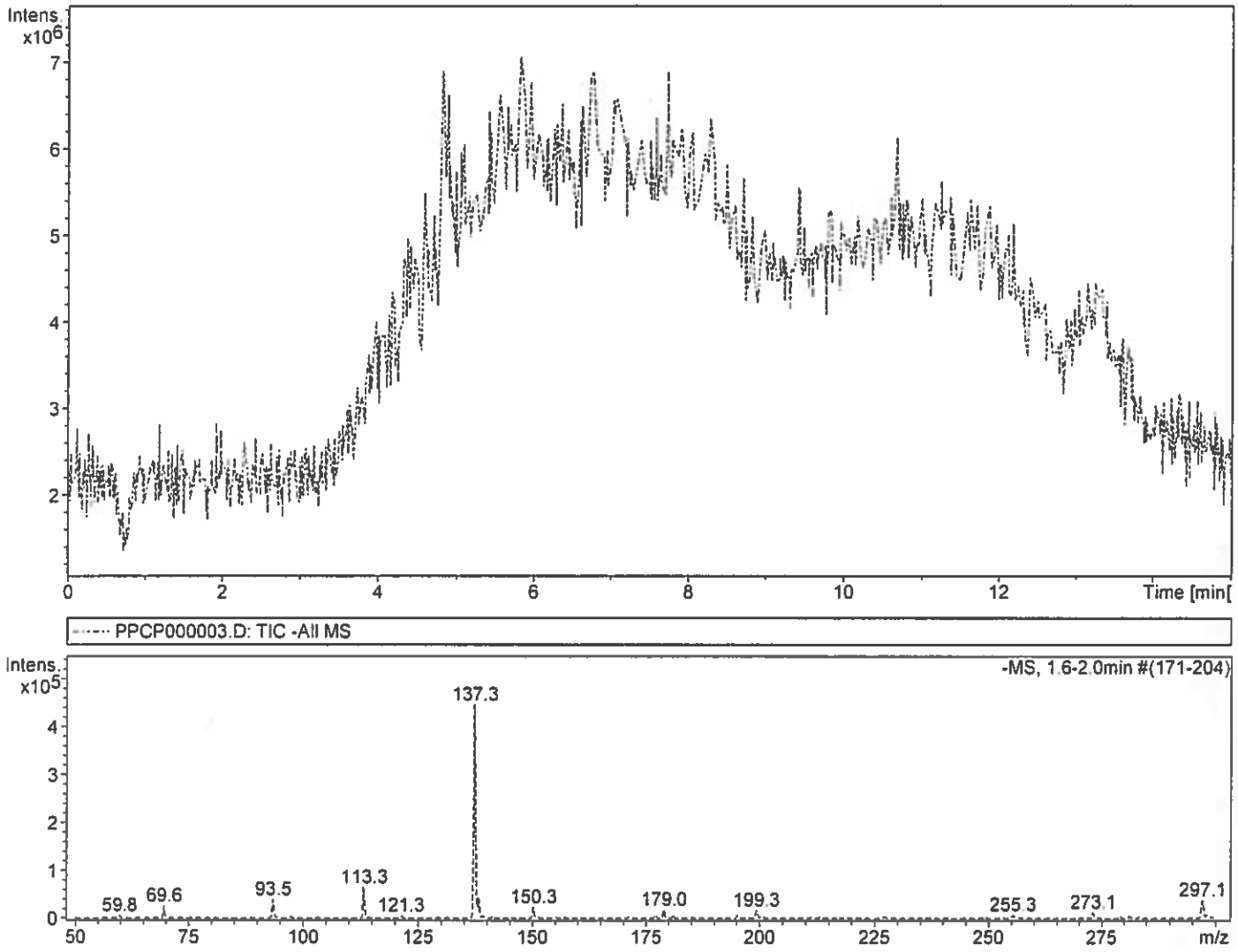

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Display Report - All Windows All Analyses

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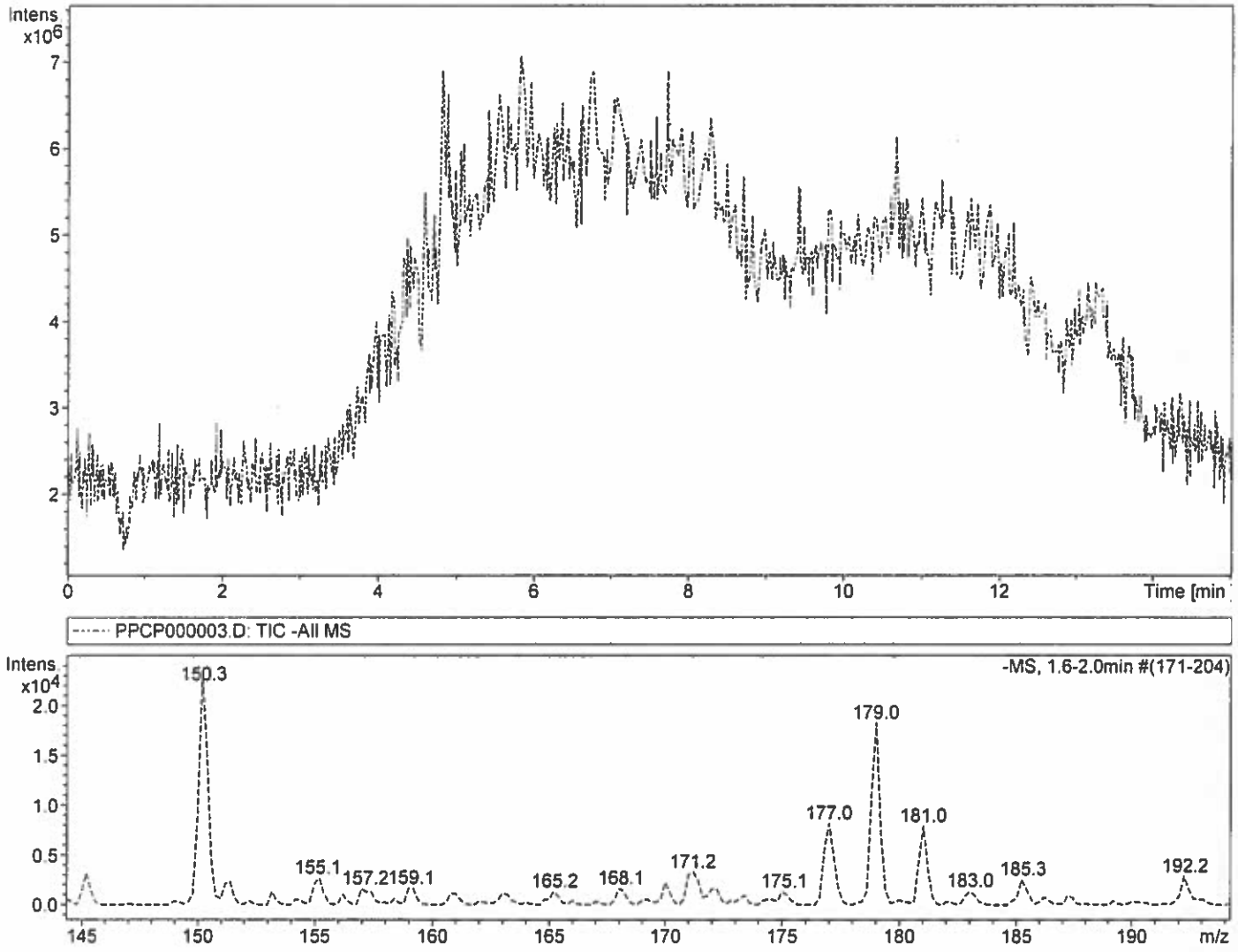

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Display Report - All Windows All Analyses

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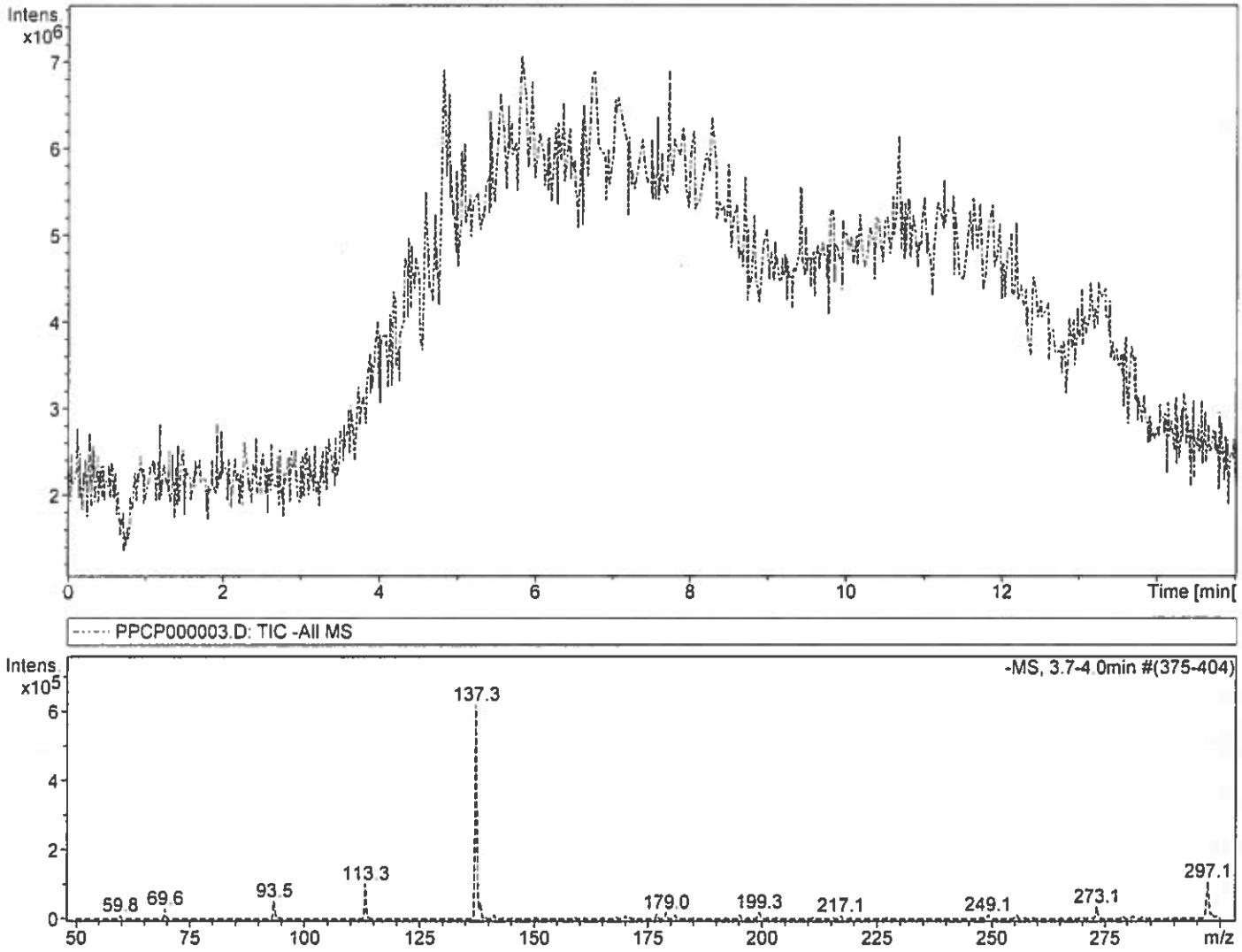

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Display Report - All Windows All Analyses

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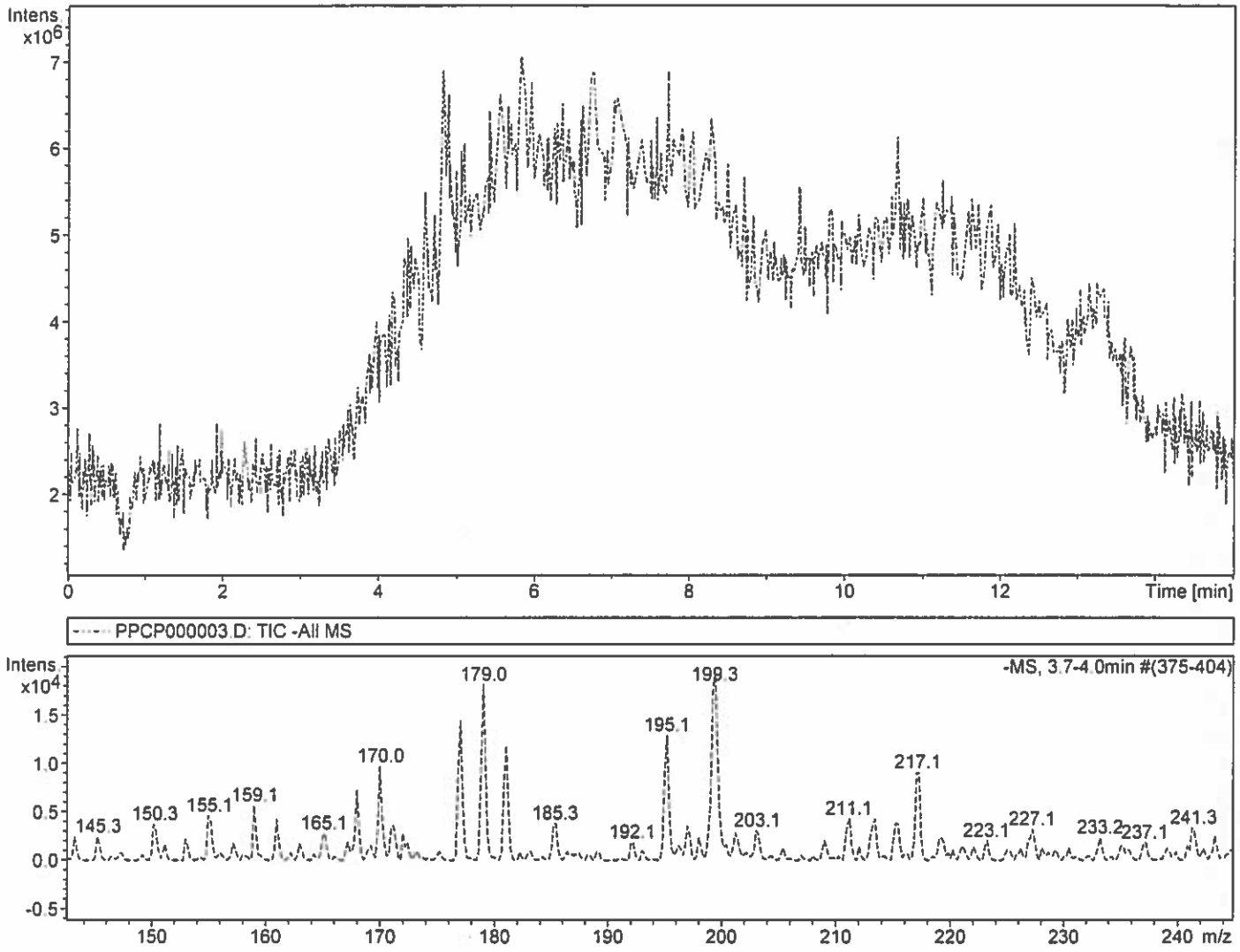

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Display Report - All Windows All Analyses

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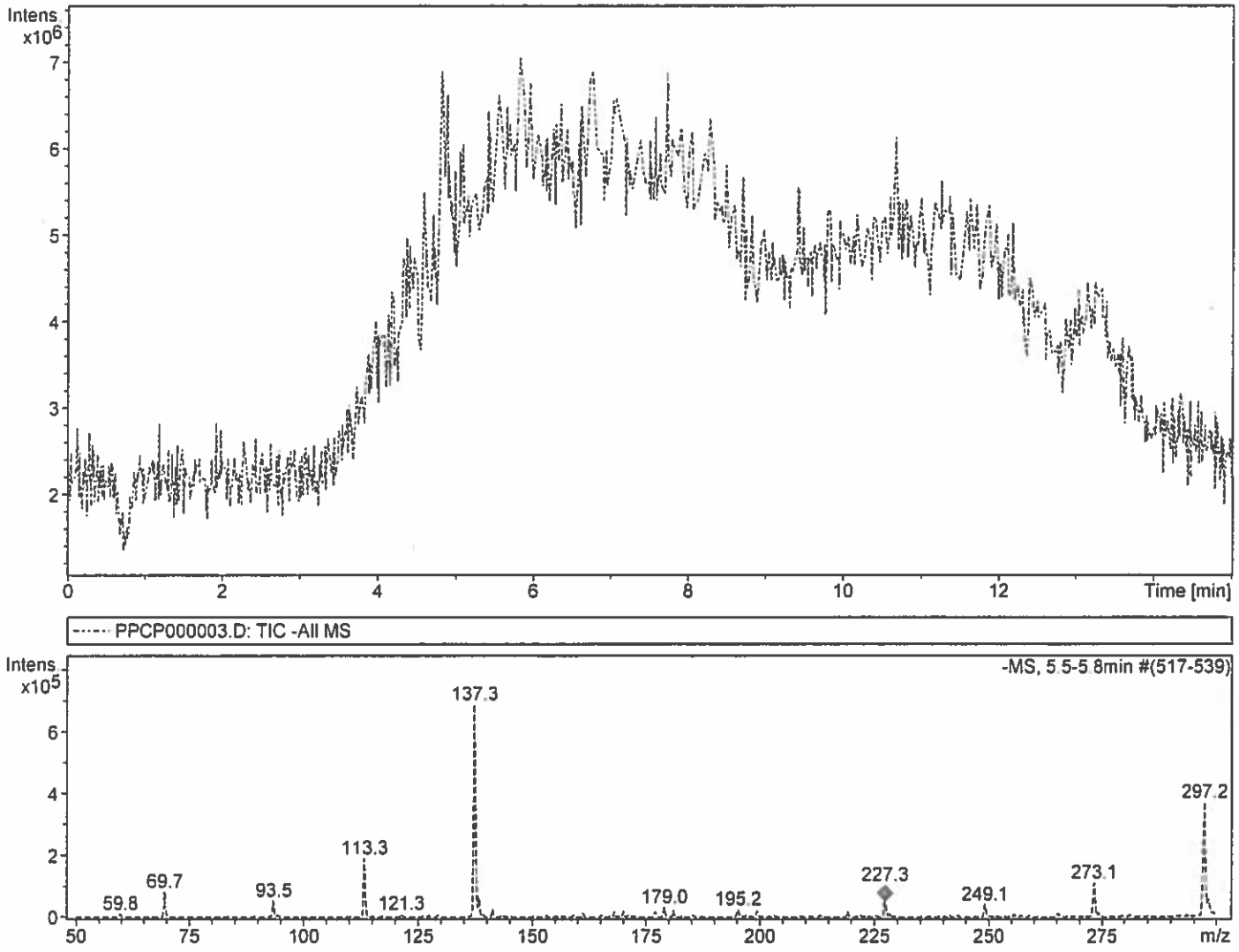

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Display Report - All Windows All Analyses

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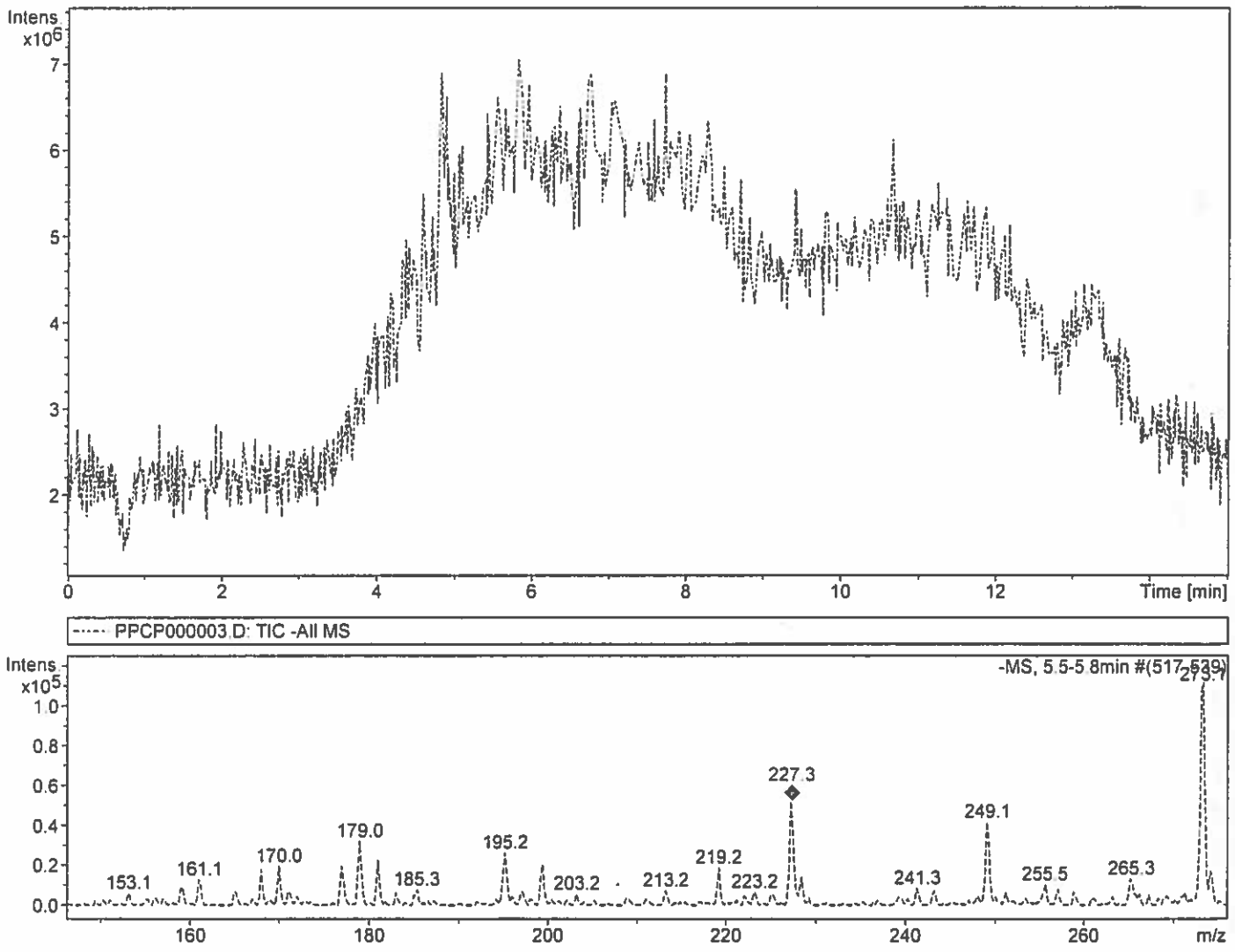

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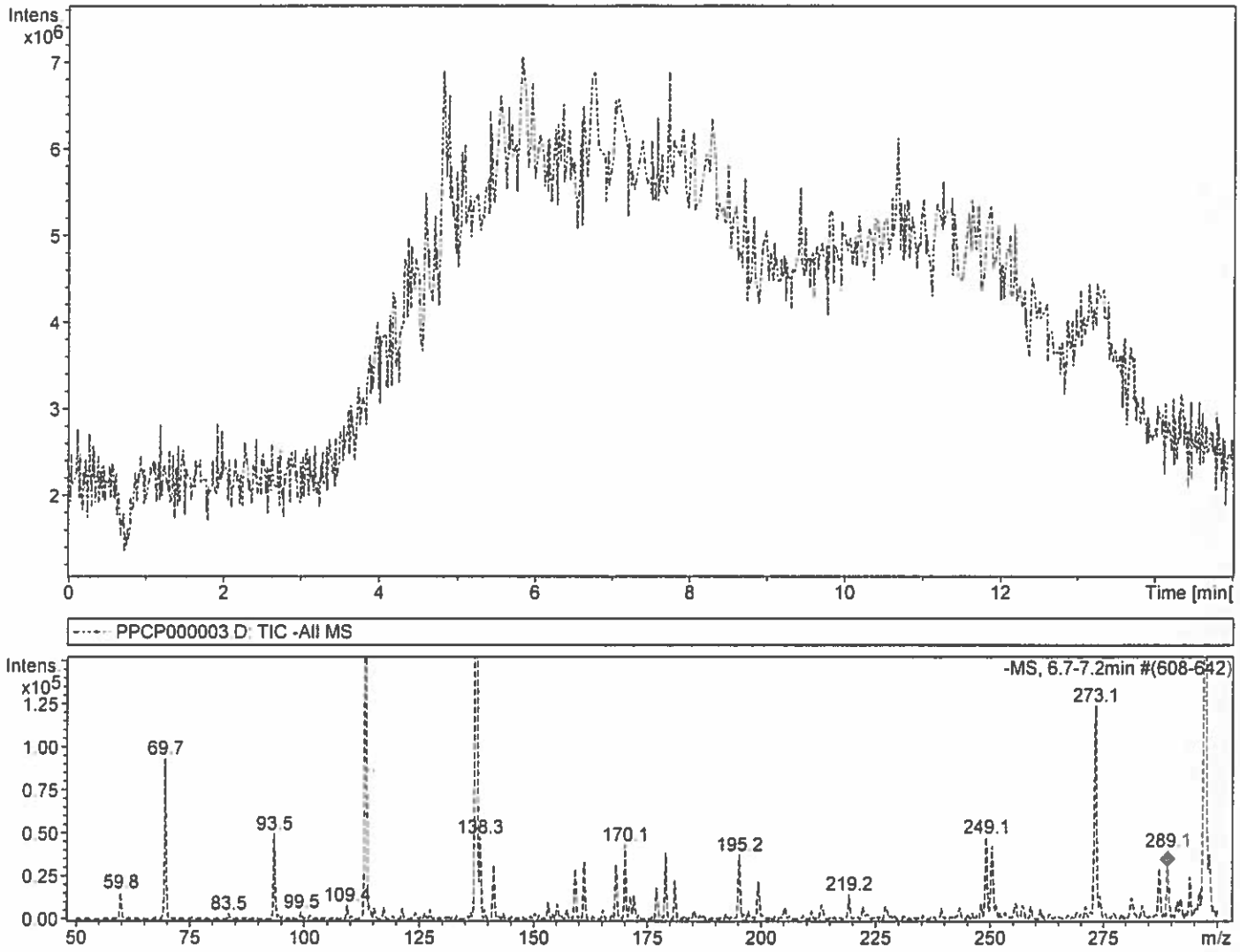

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Display Report - All Windows All Analyses

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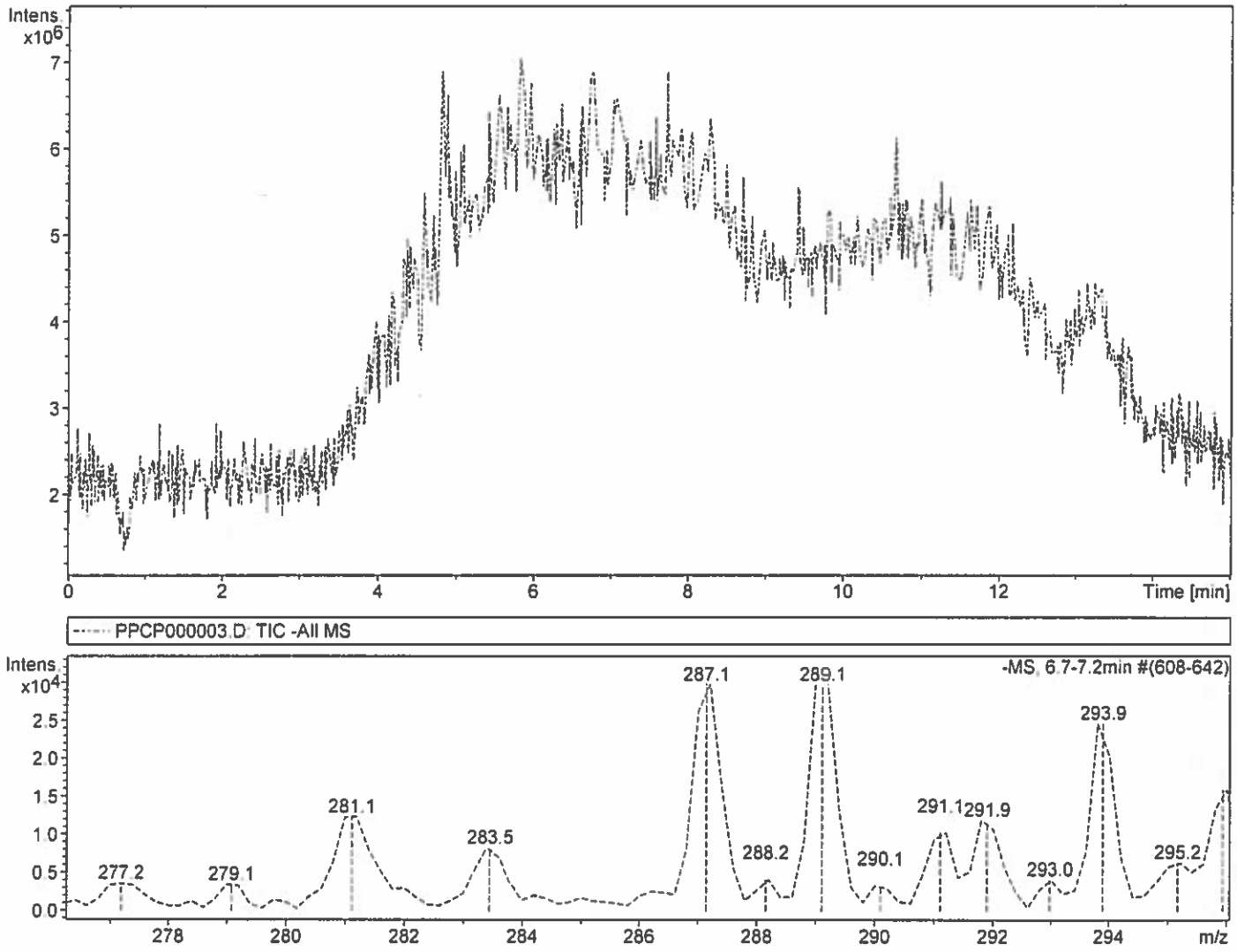

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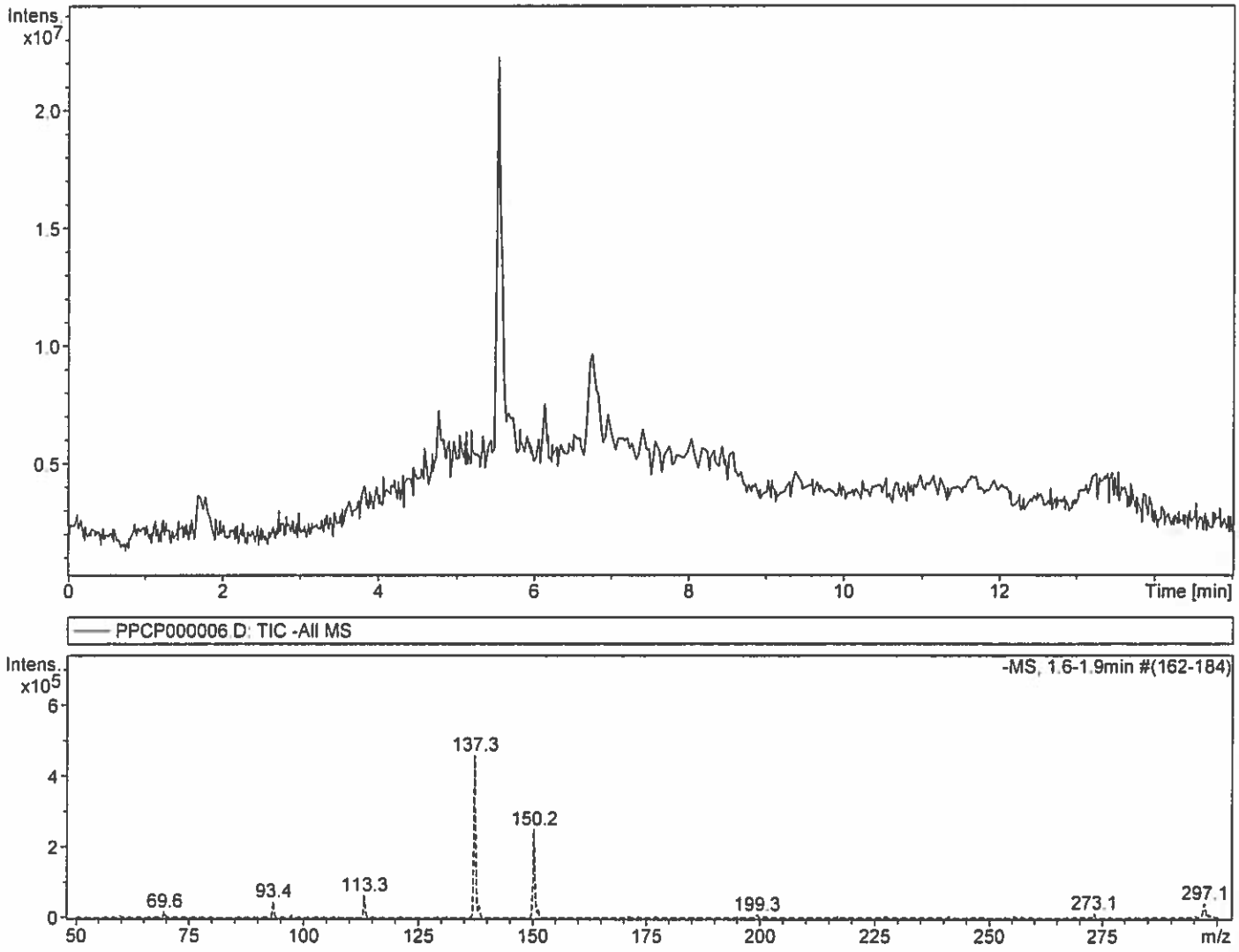

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Display Report - All Windows All Analyses

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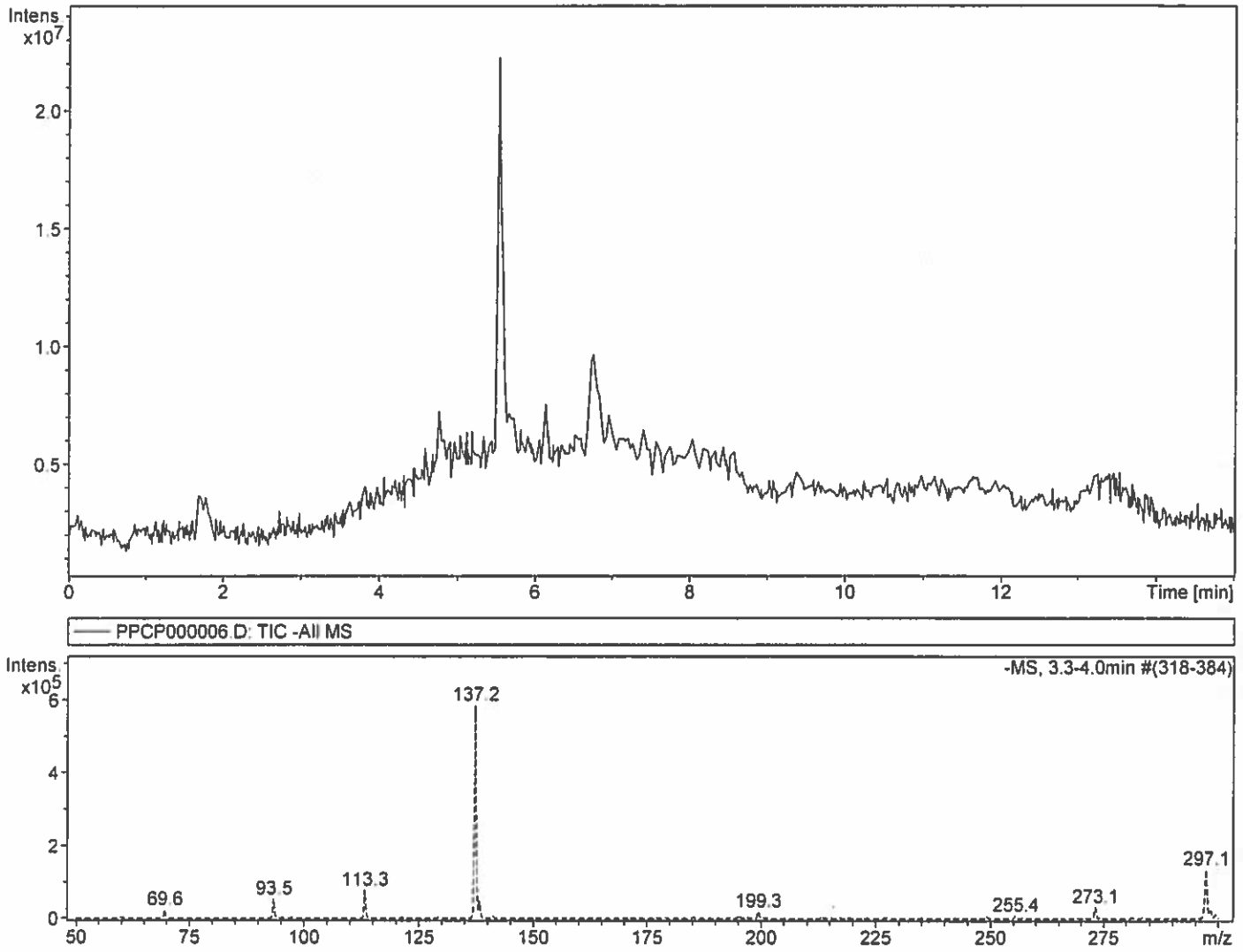

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Display Report - All Windows All Analyses

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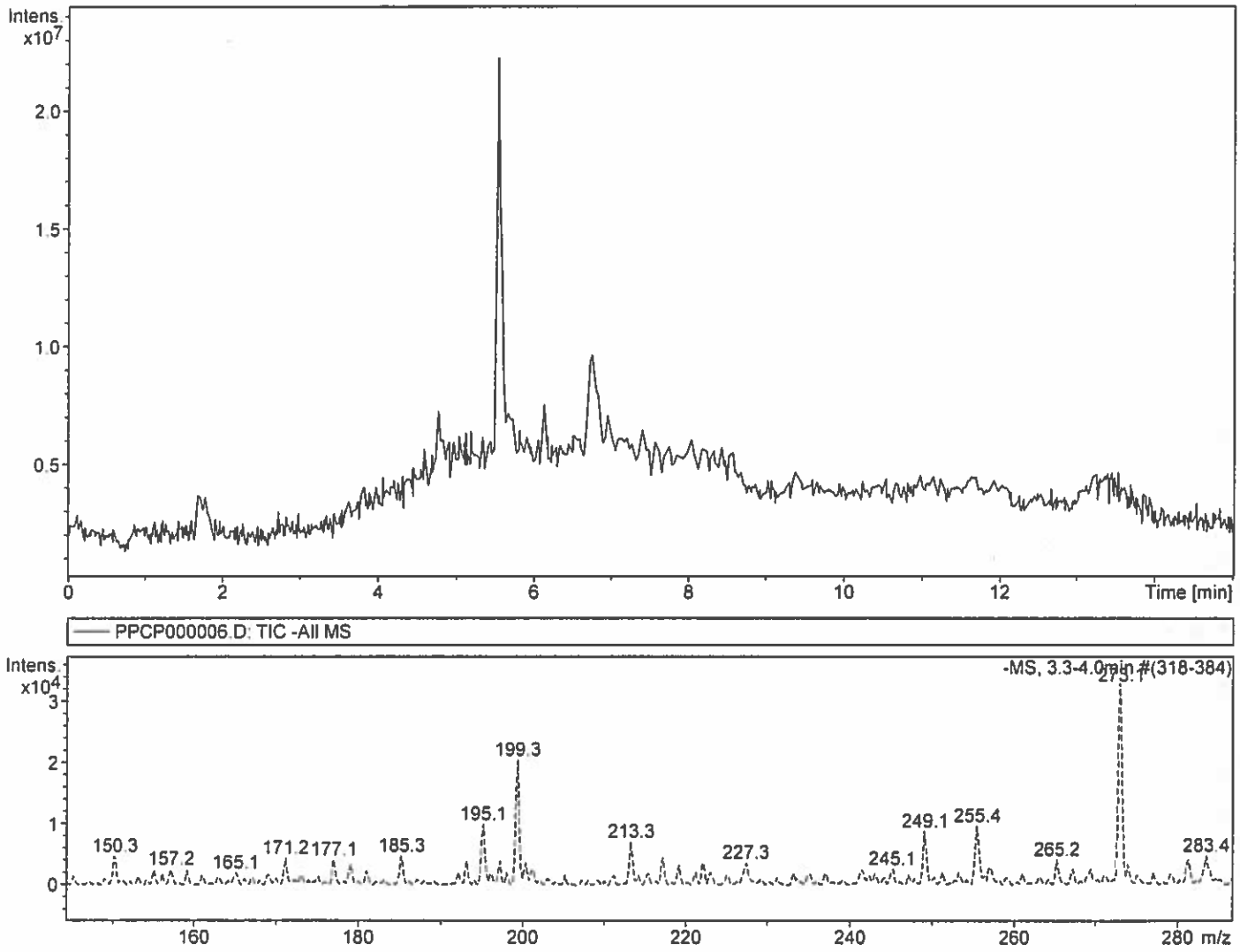

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Display Report - All Windows All Analyses

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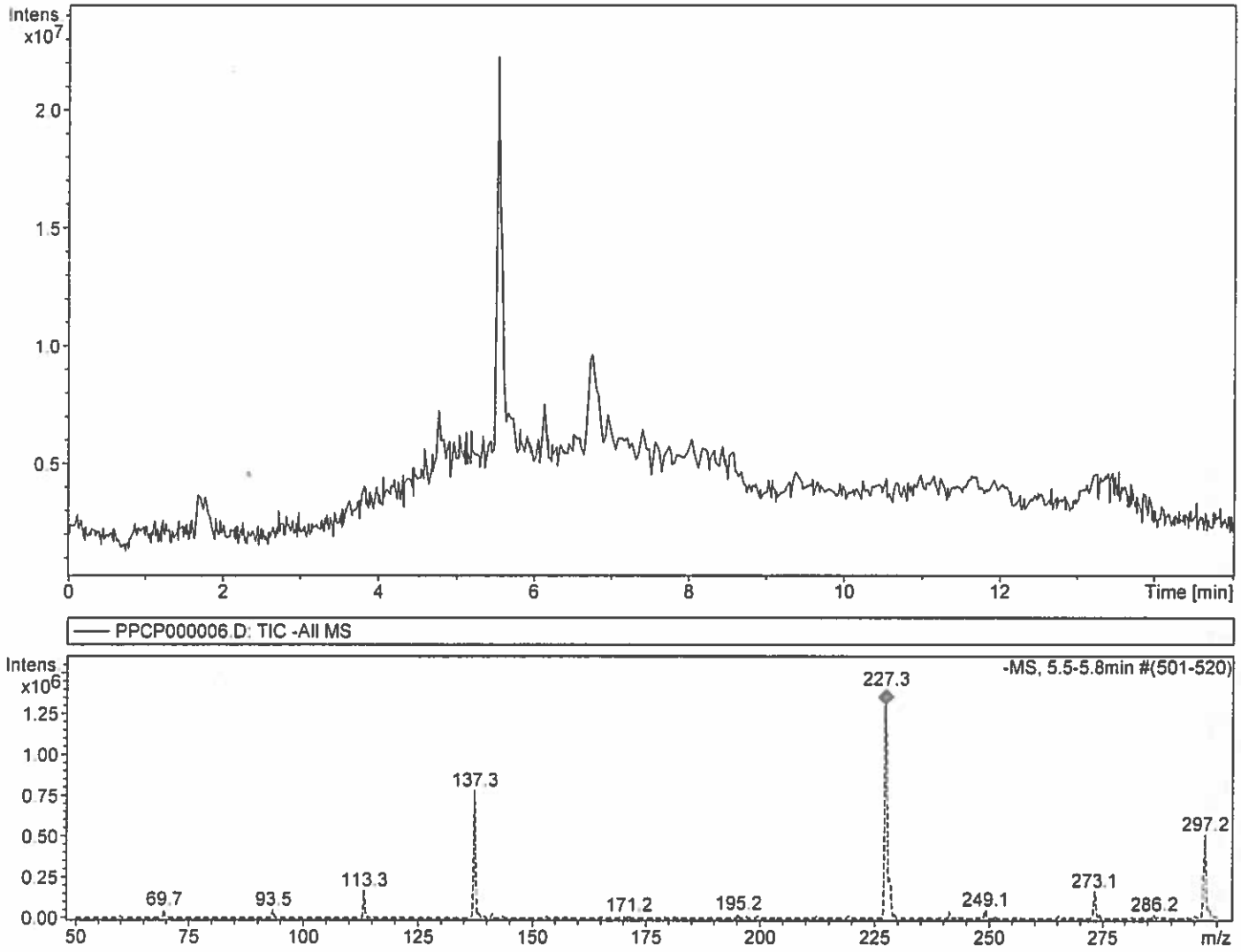

Agilent Technologies

Display Report - All Windows All Analyses

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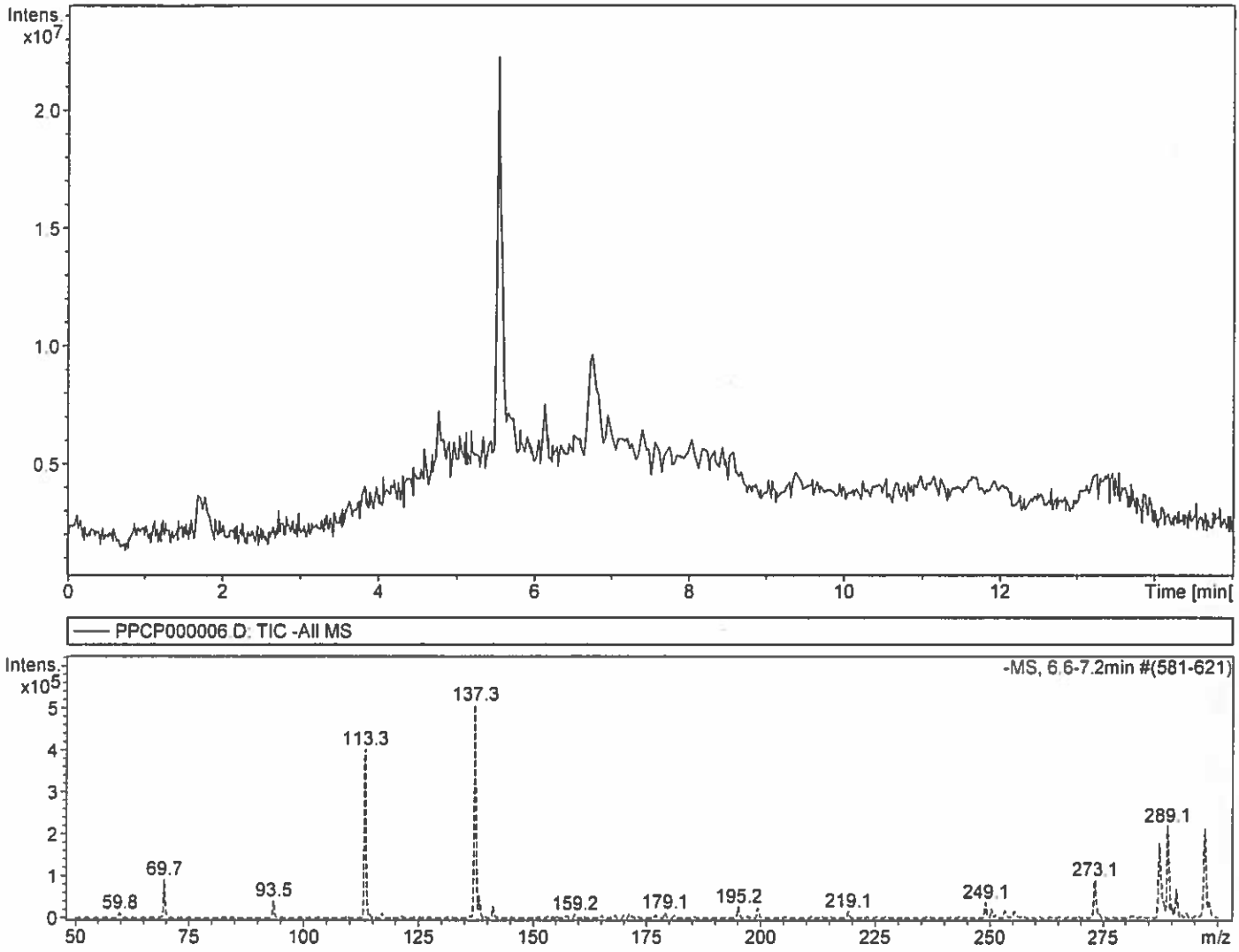

Agilent Technologies

Display Report - All Windows All Analyses

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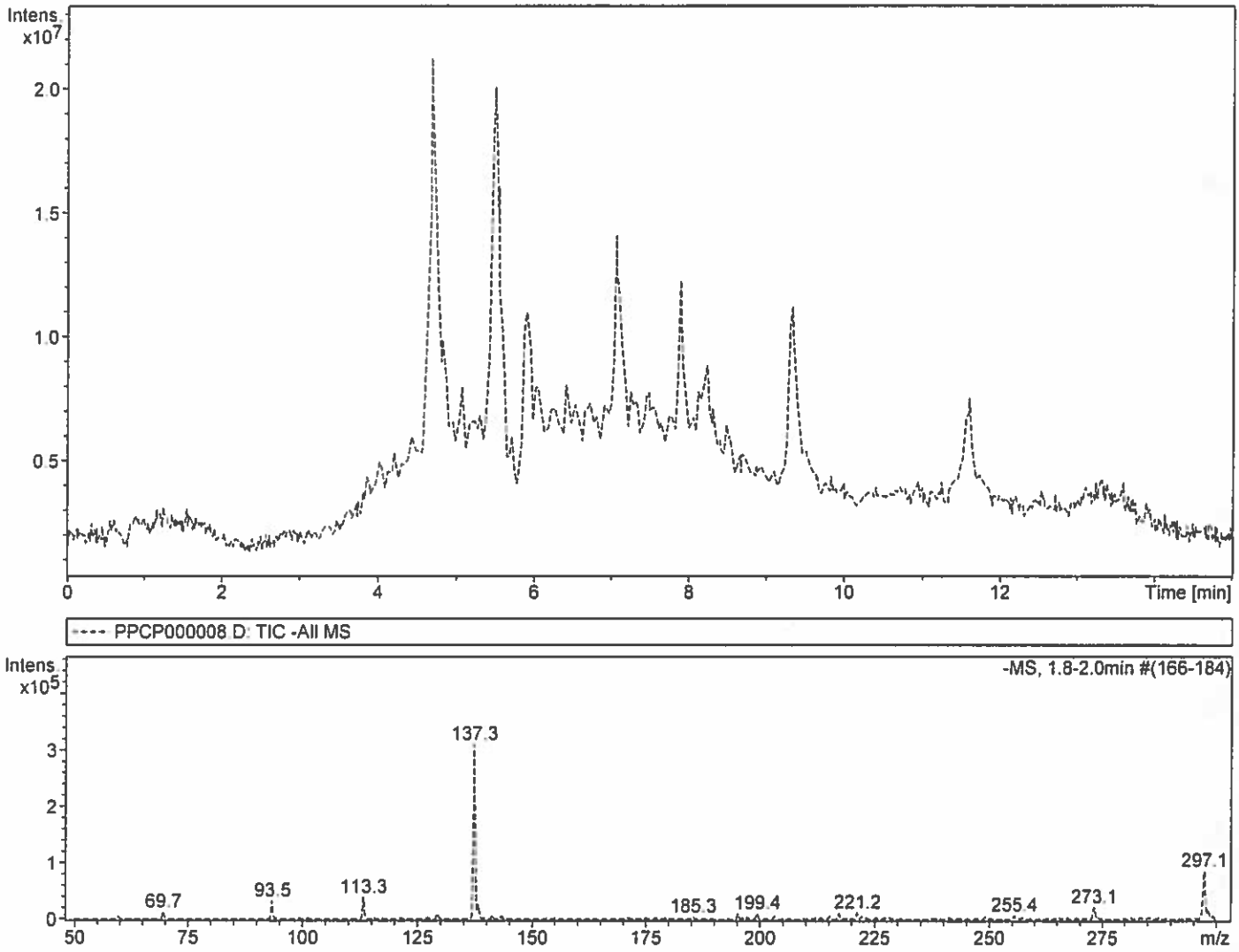

Agilent Technologies

Display Report - All Windows All Analyses

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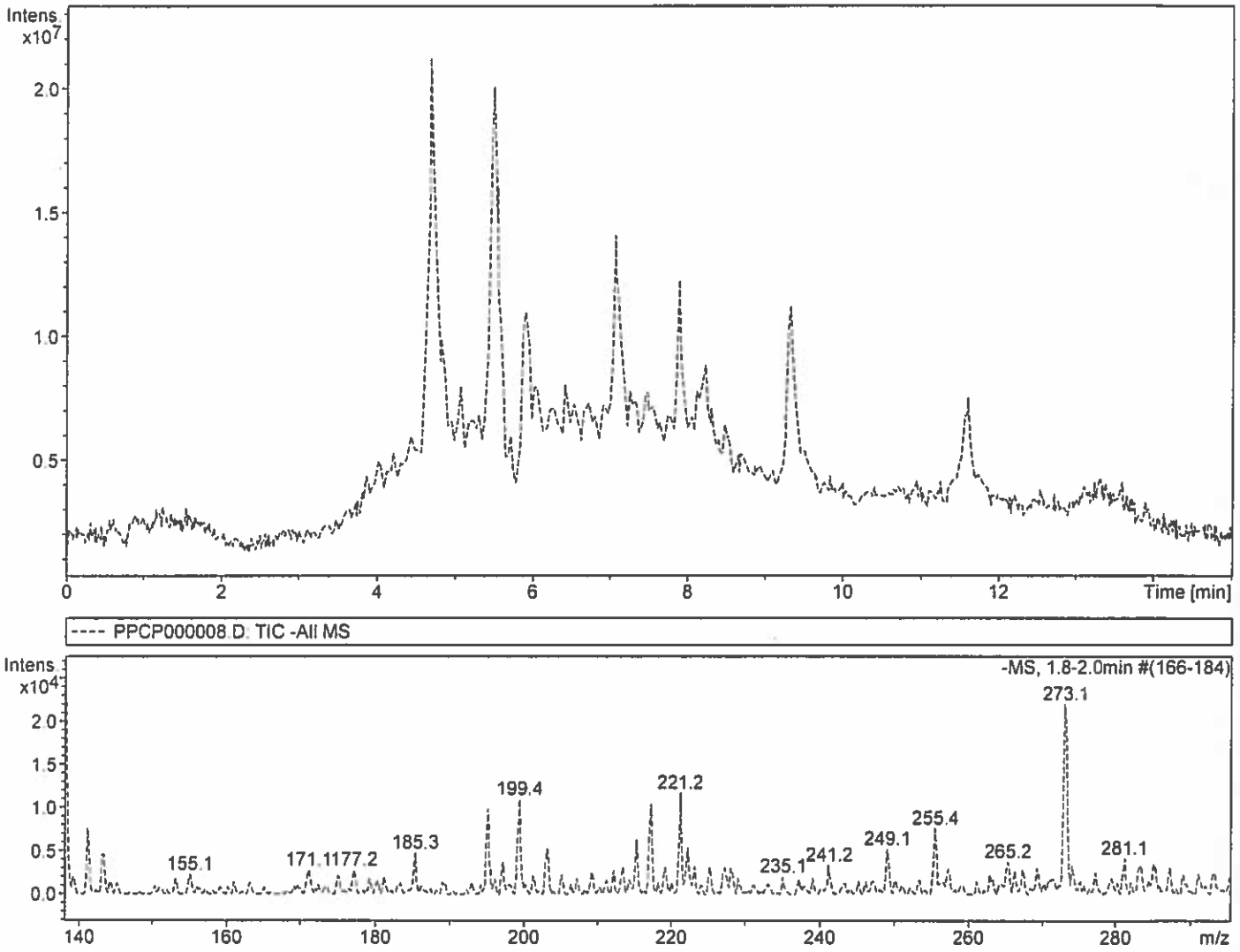

Agilent Technologies

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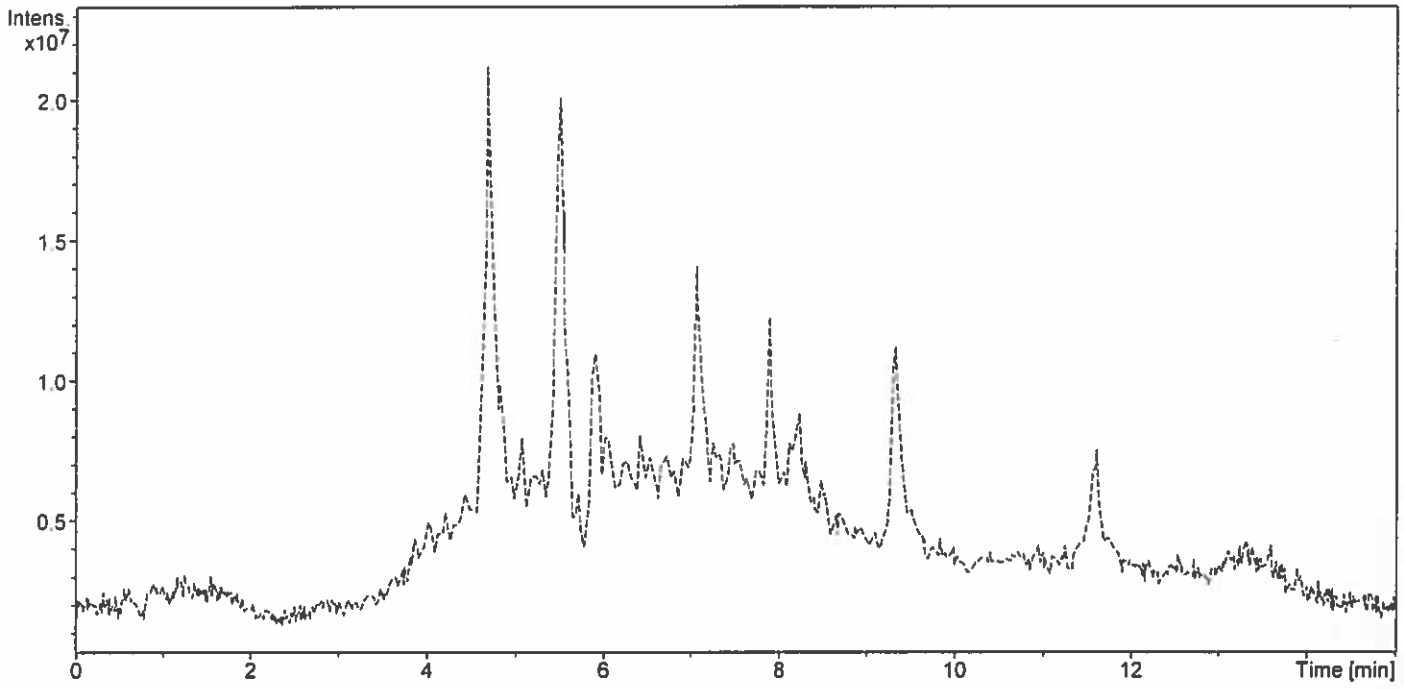

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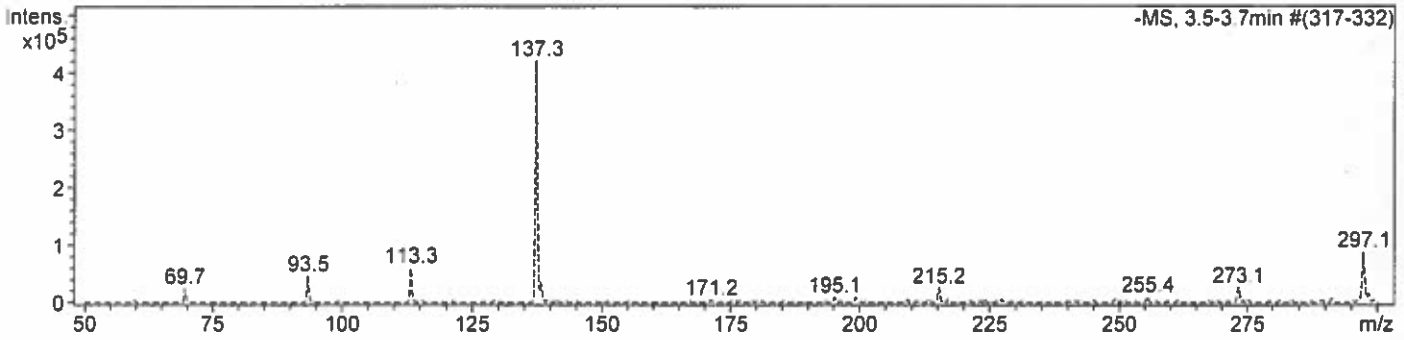

Agilent Technologies

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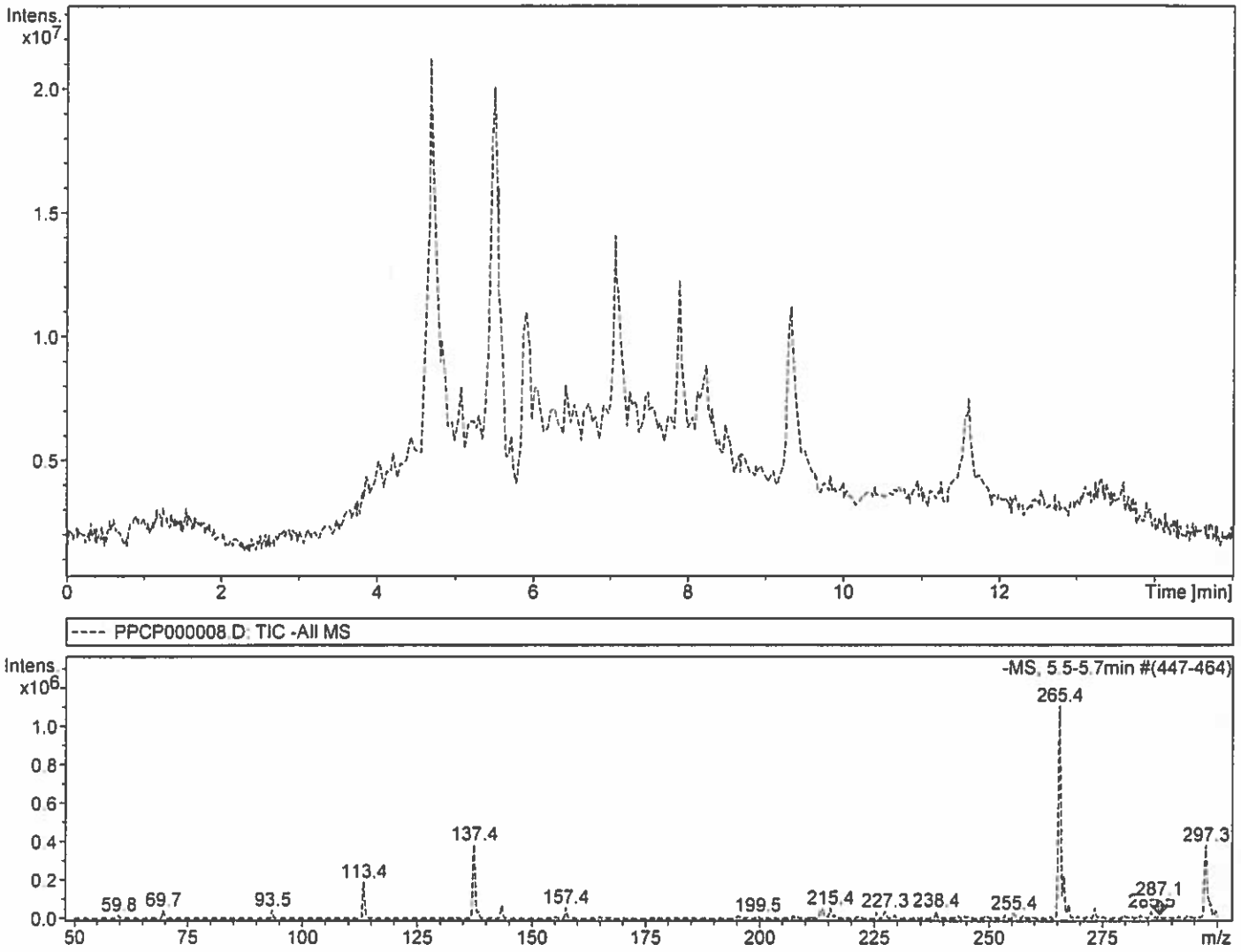

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Display Report - All Windows All Analyses

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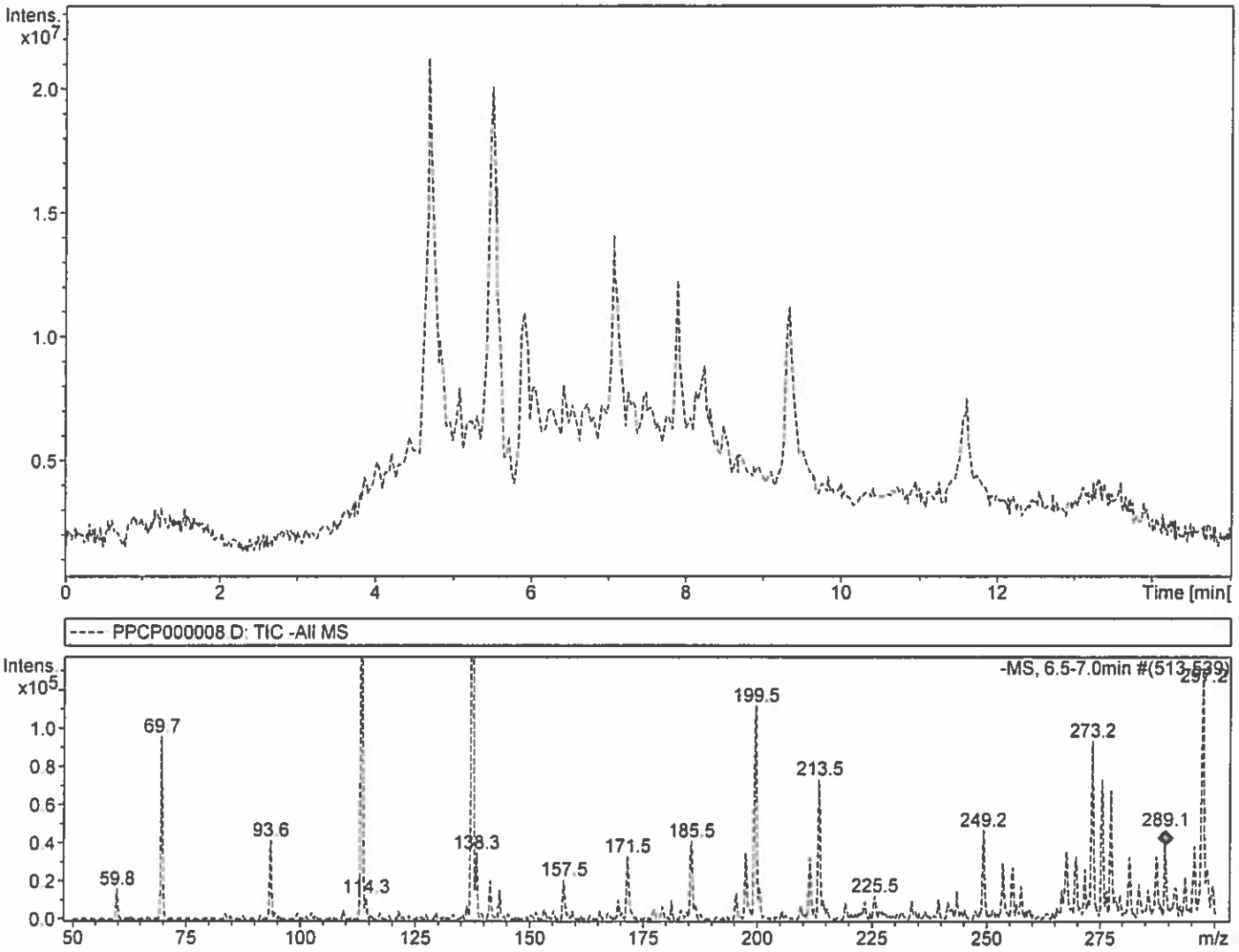

Agilent Technologies

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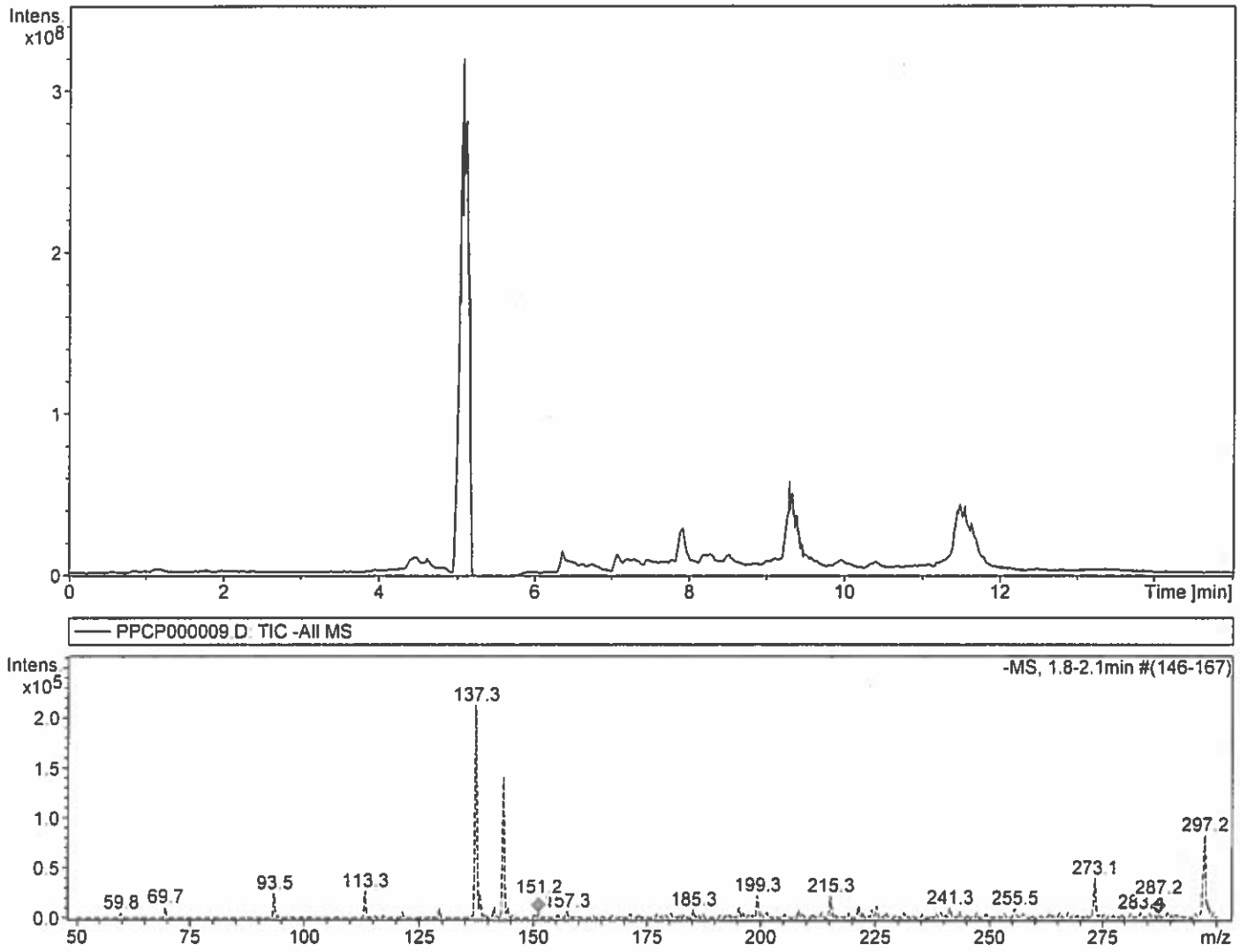

Agilent Technologies

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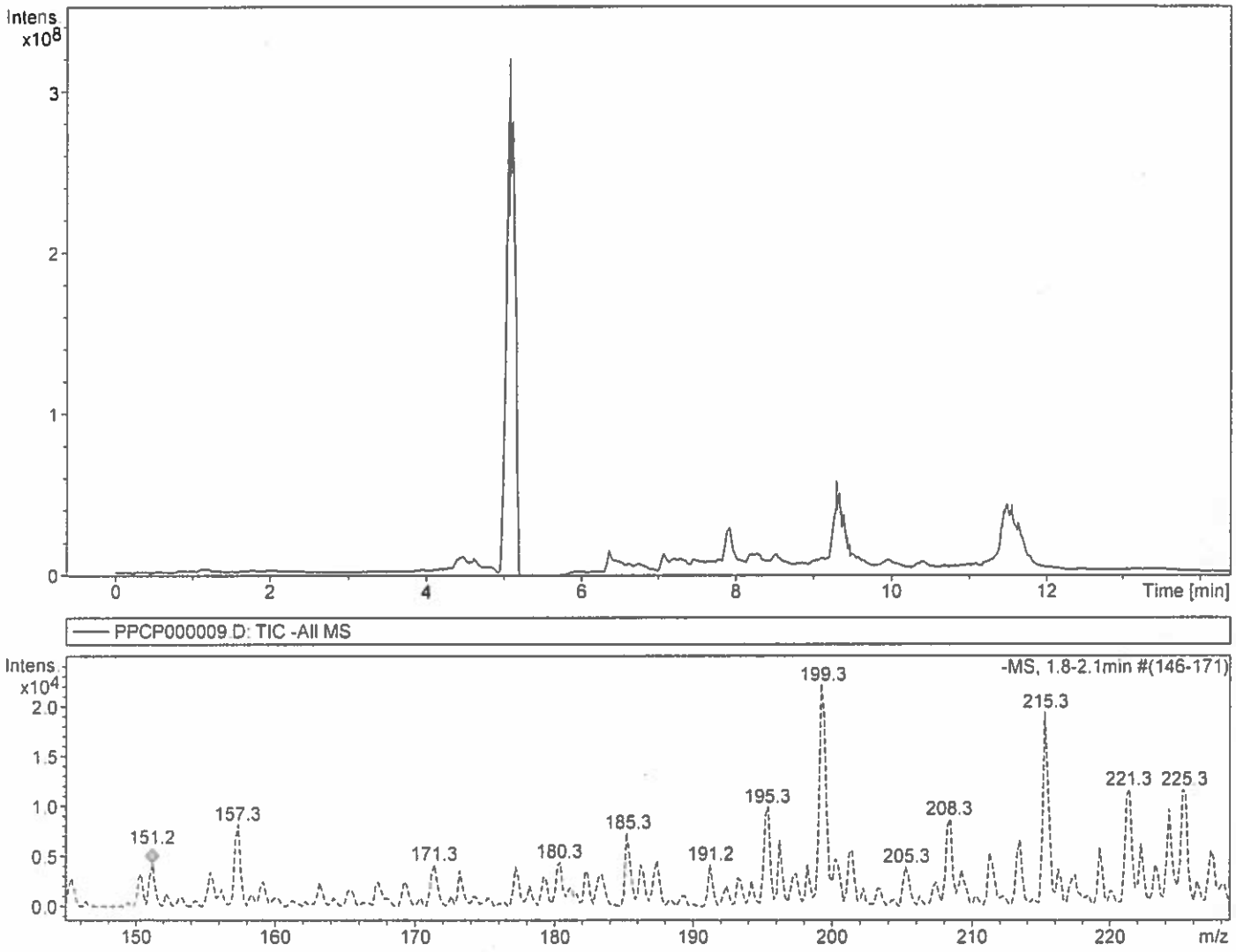

Agilent Technologies

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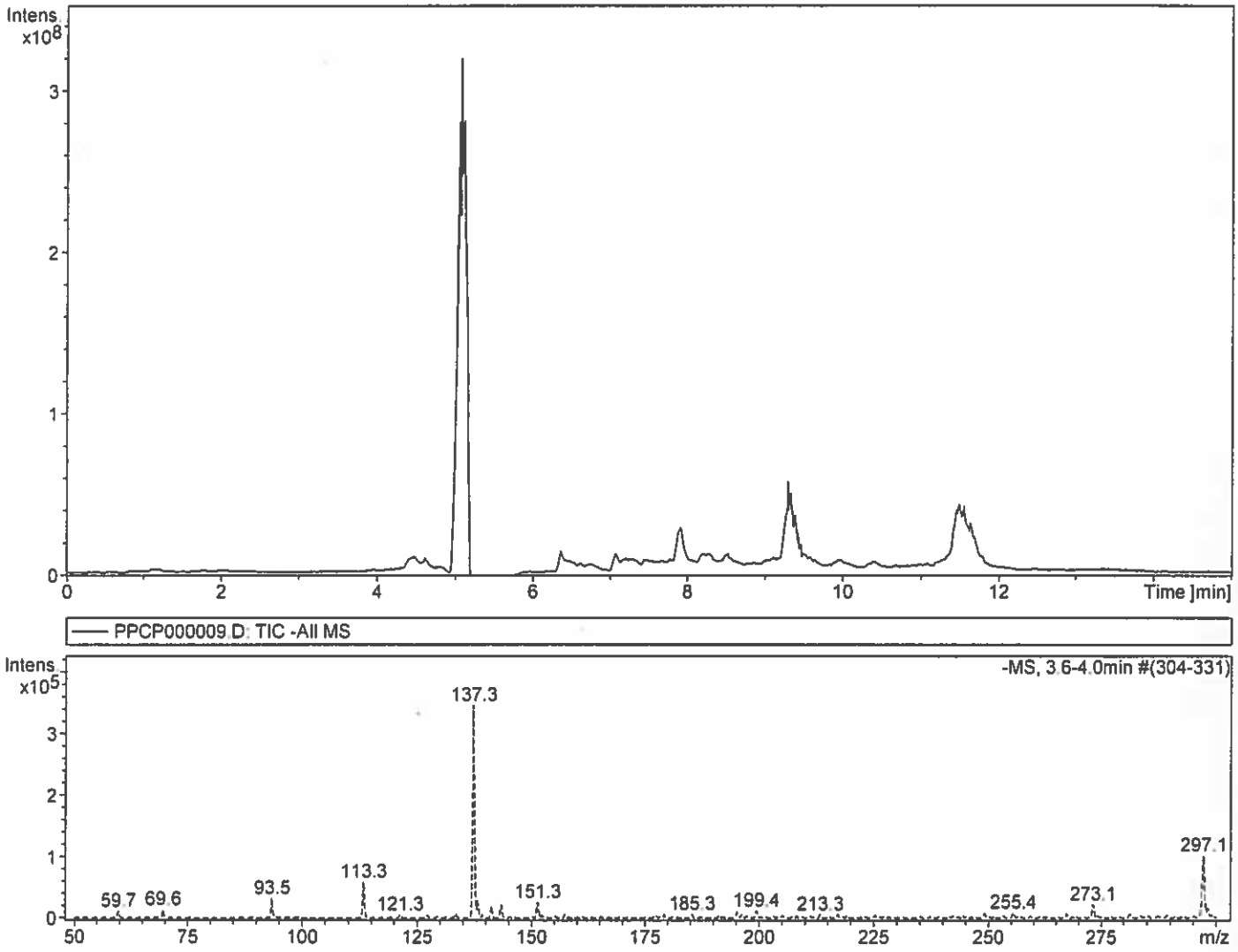

Agilent Technologies

Display Report - All Windows All Analyses

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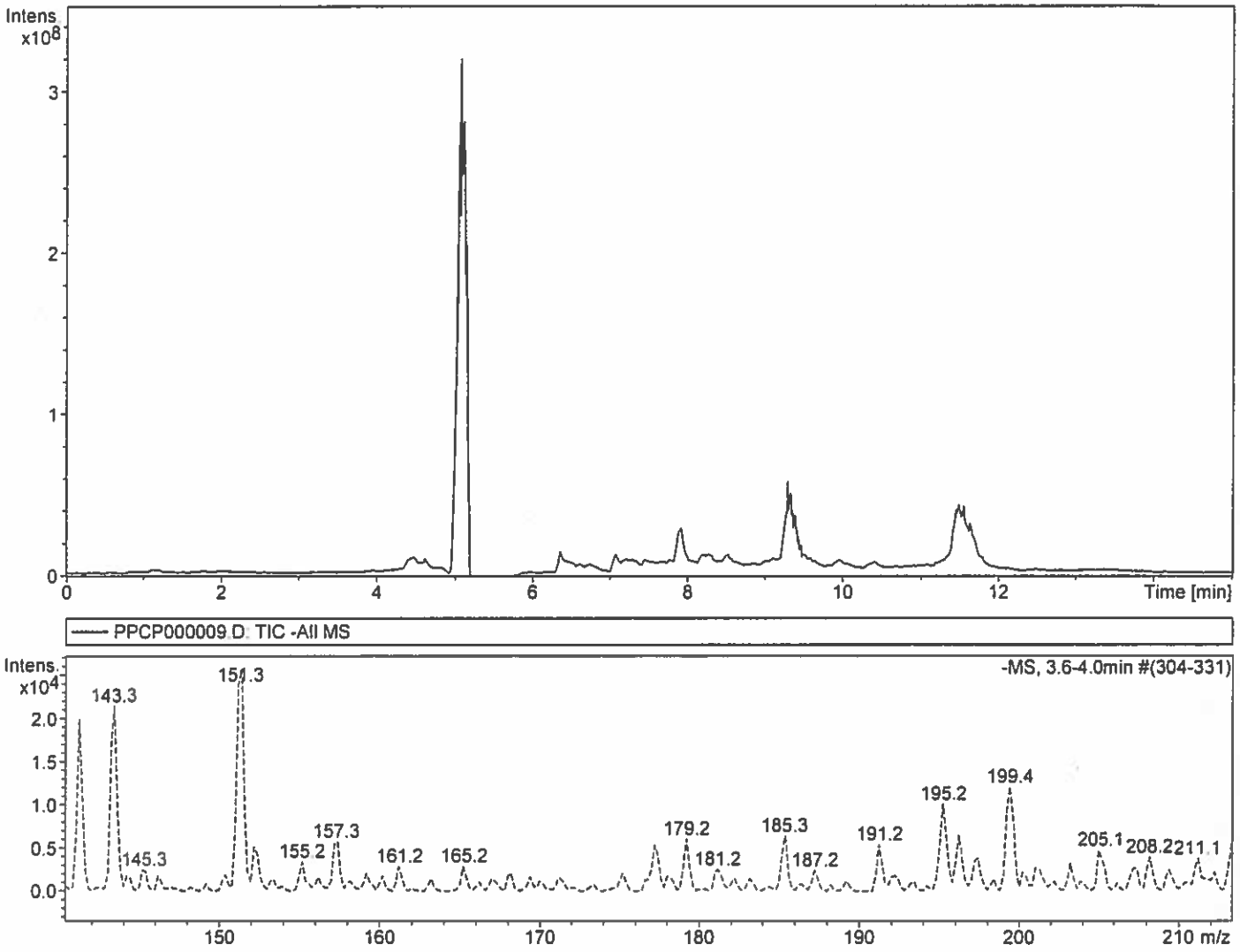

Agilent Technologies

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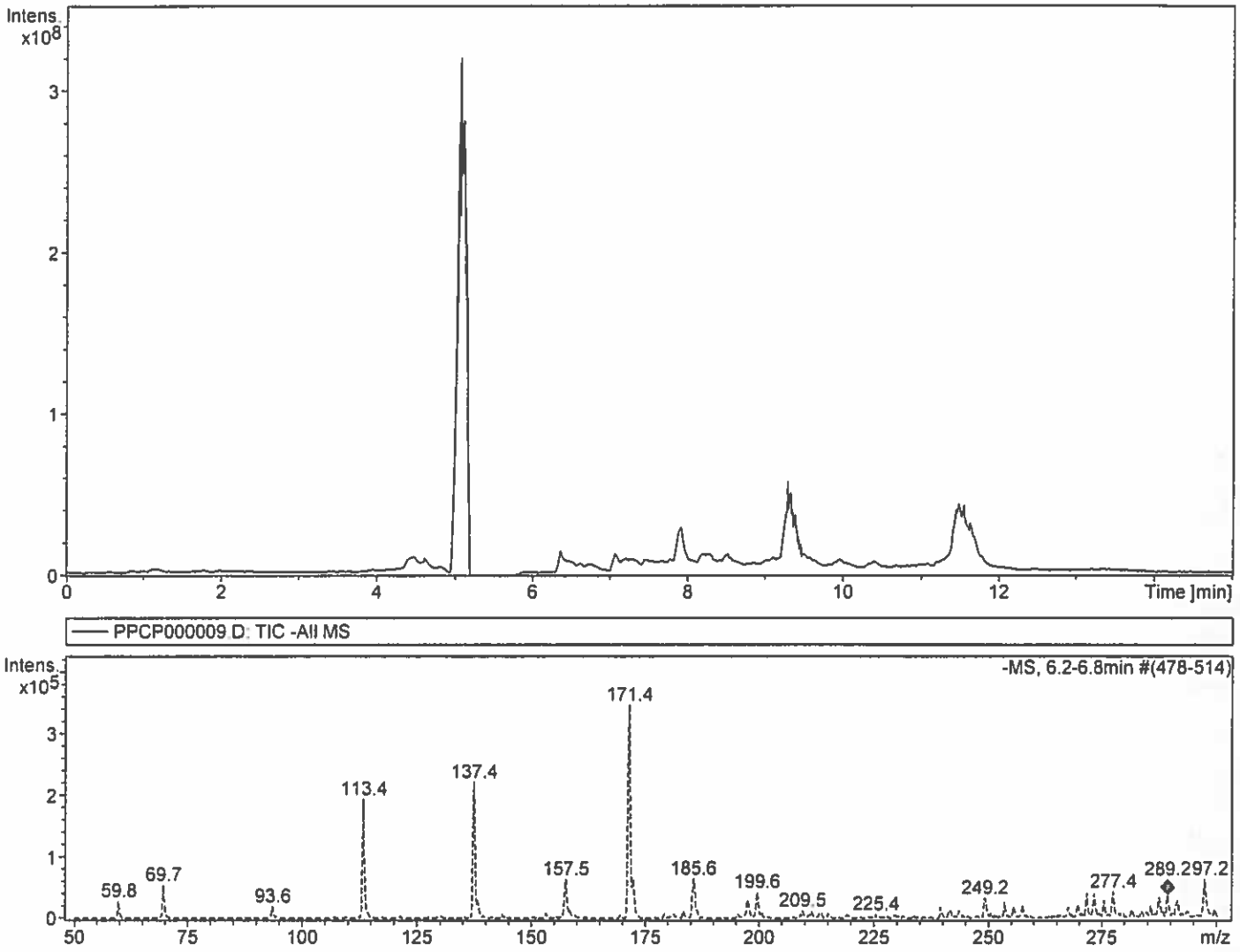

Agilent Technologies

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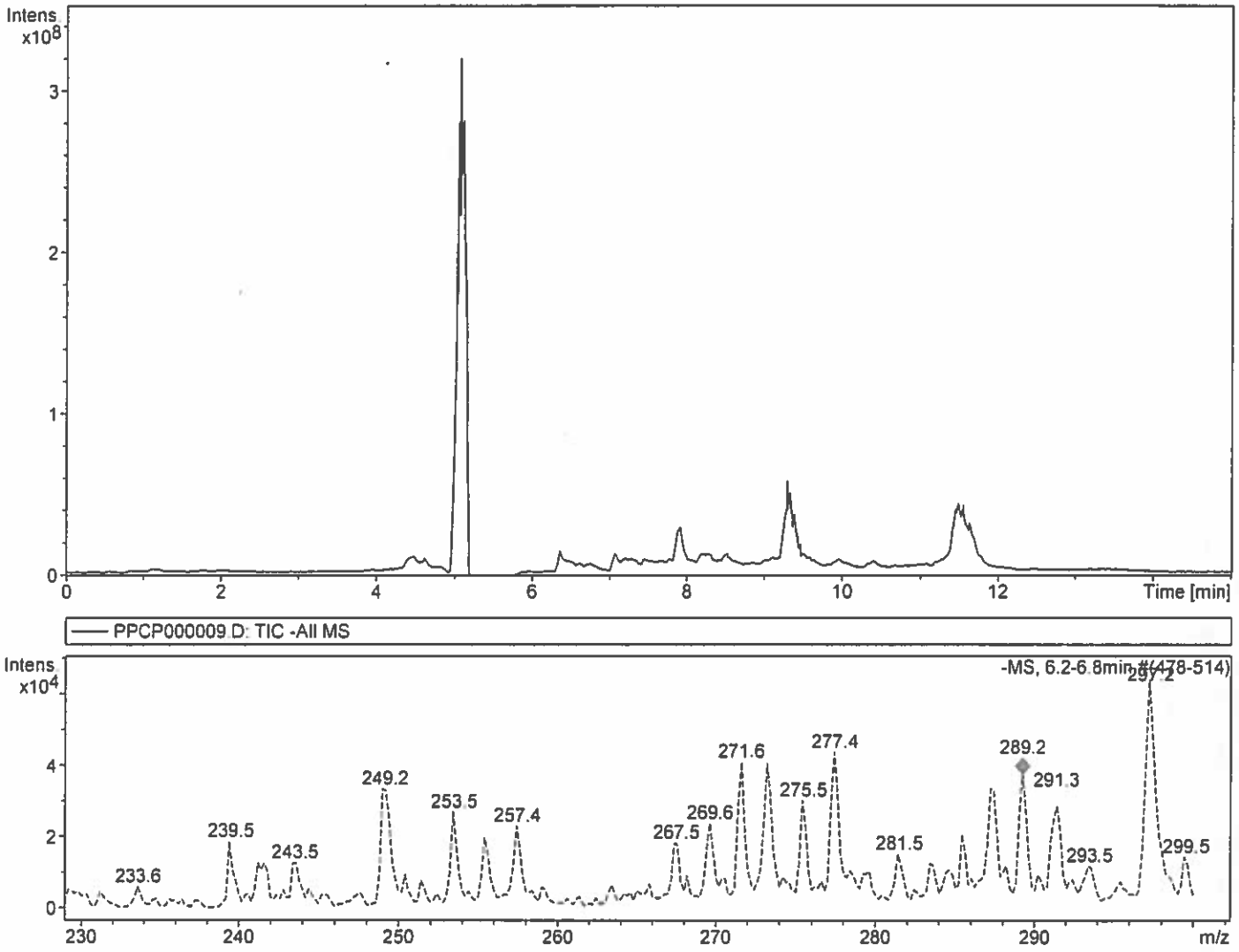

Agilent Technologies

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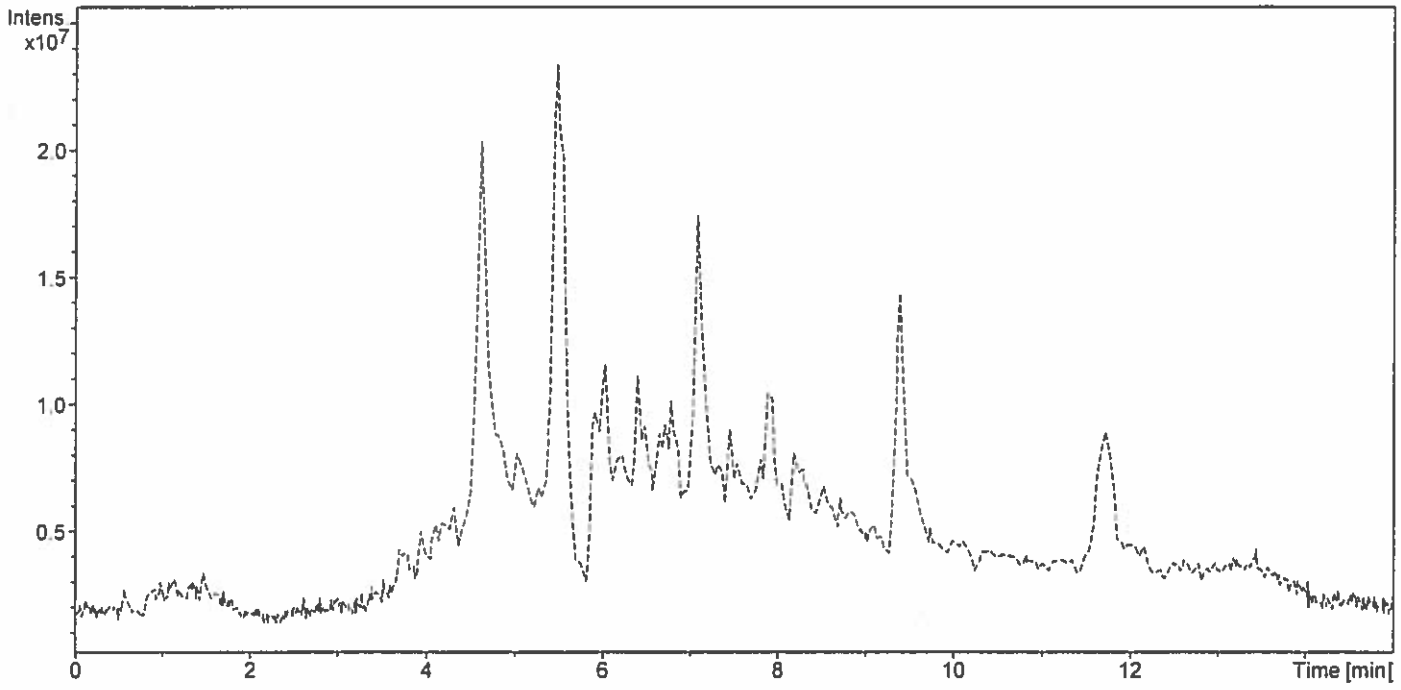

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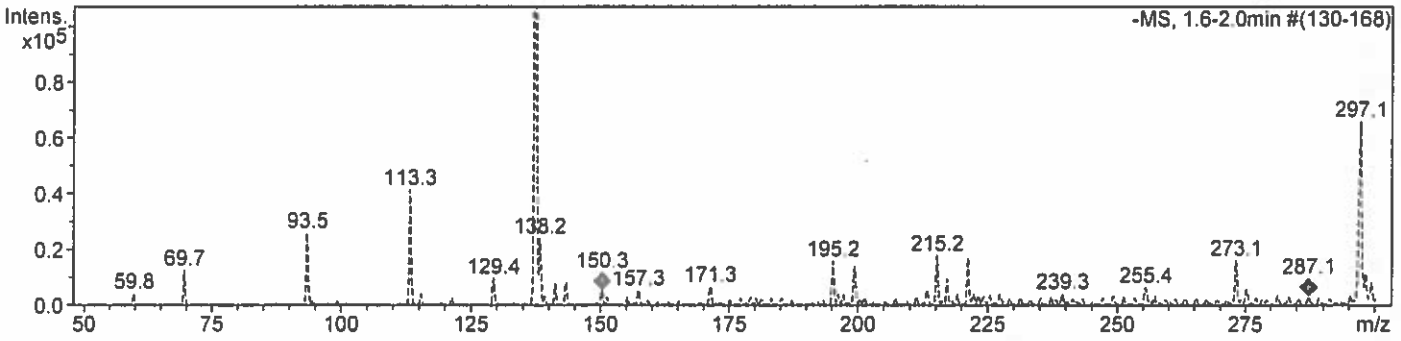

Agilent Technologies

Display Report - All Windows All Analyses

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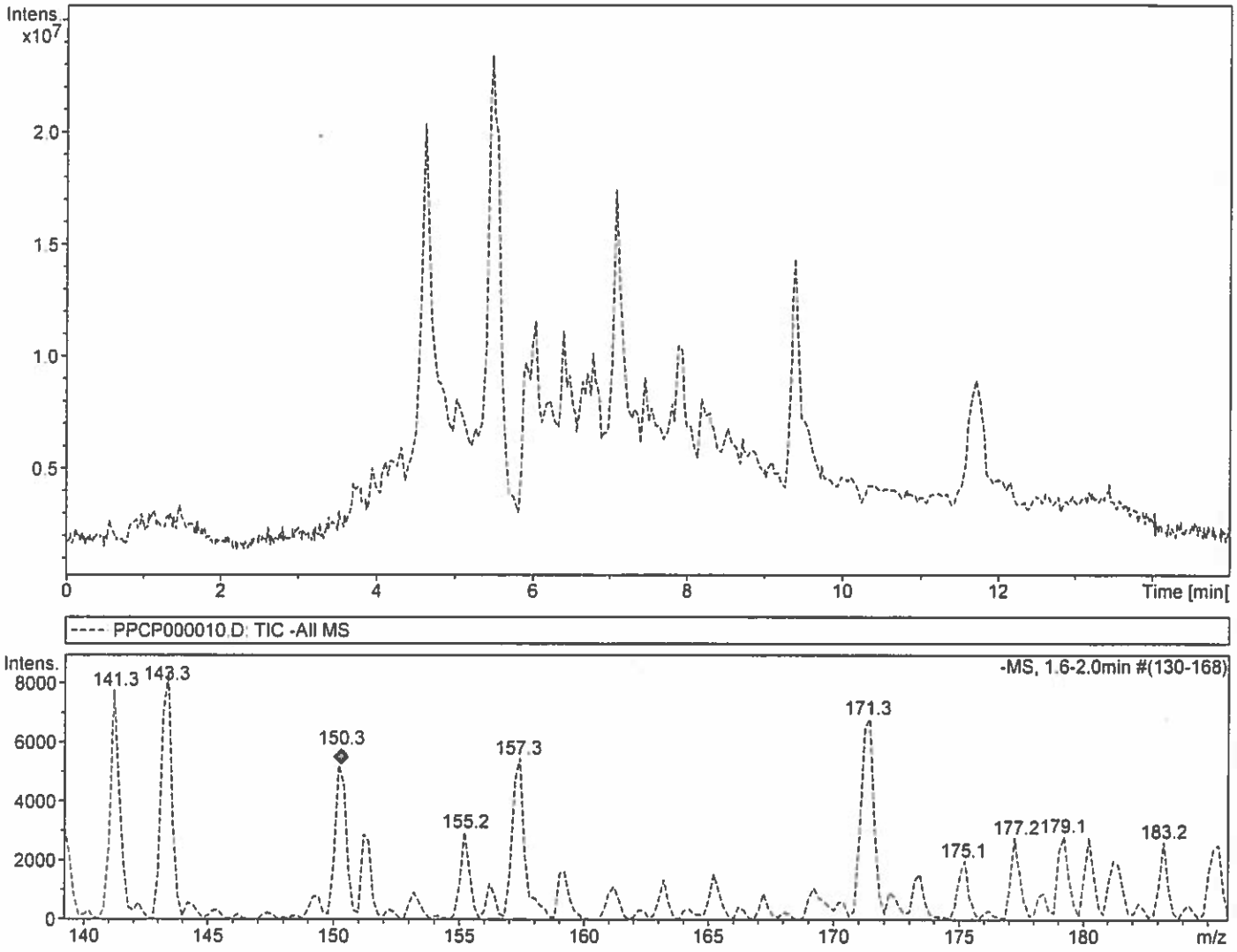

Agilent Technologies

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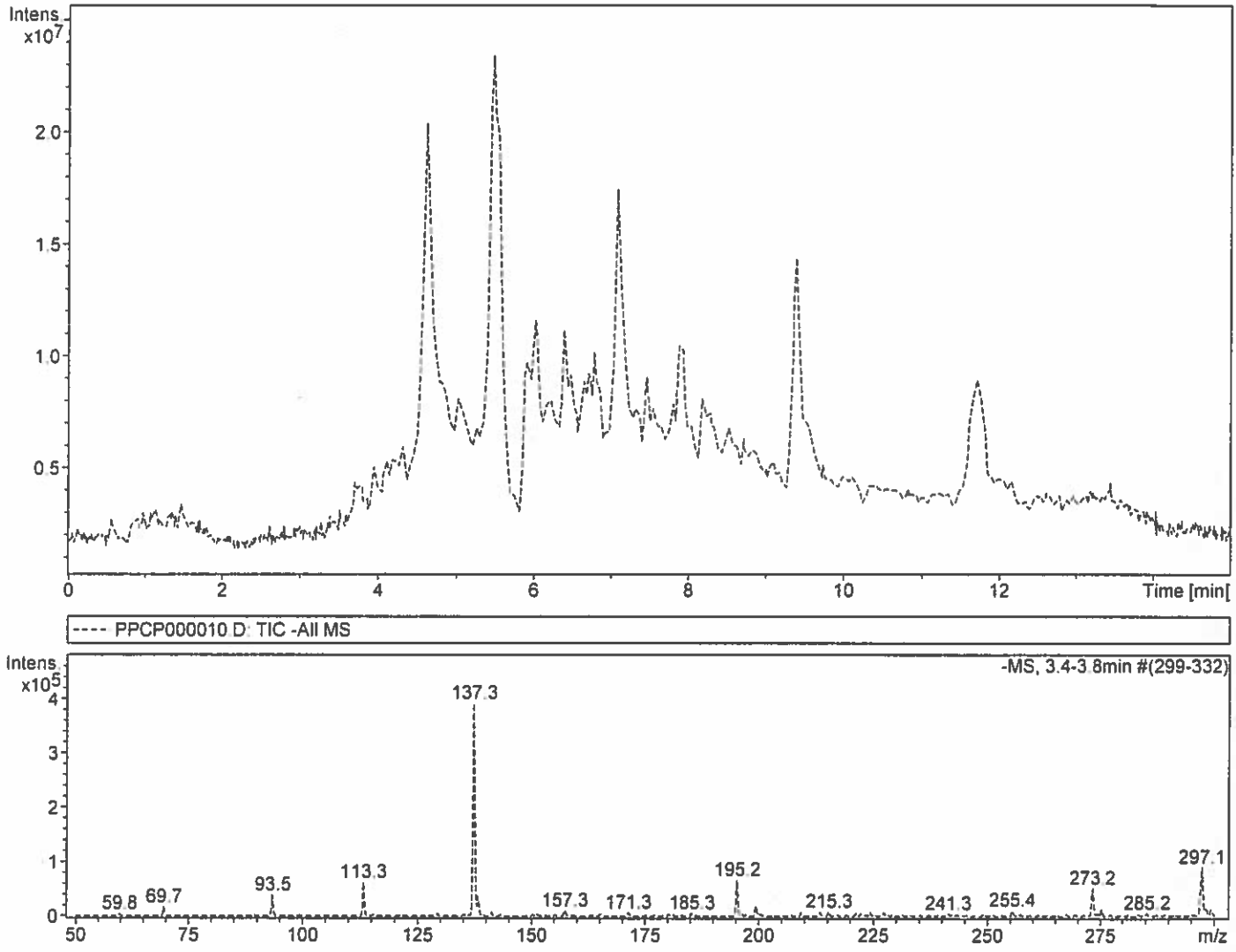

Agilent Technologies

Display Report - All Windows All Analyses

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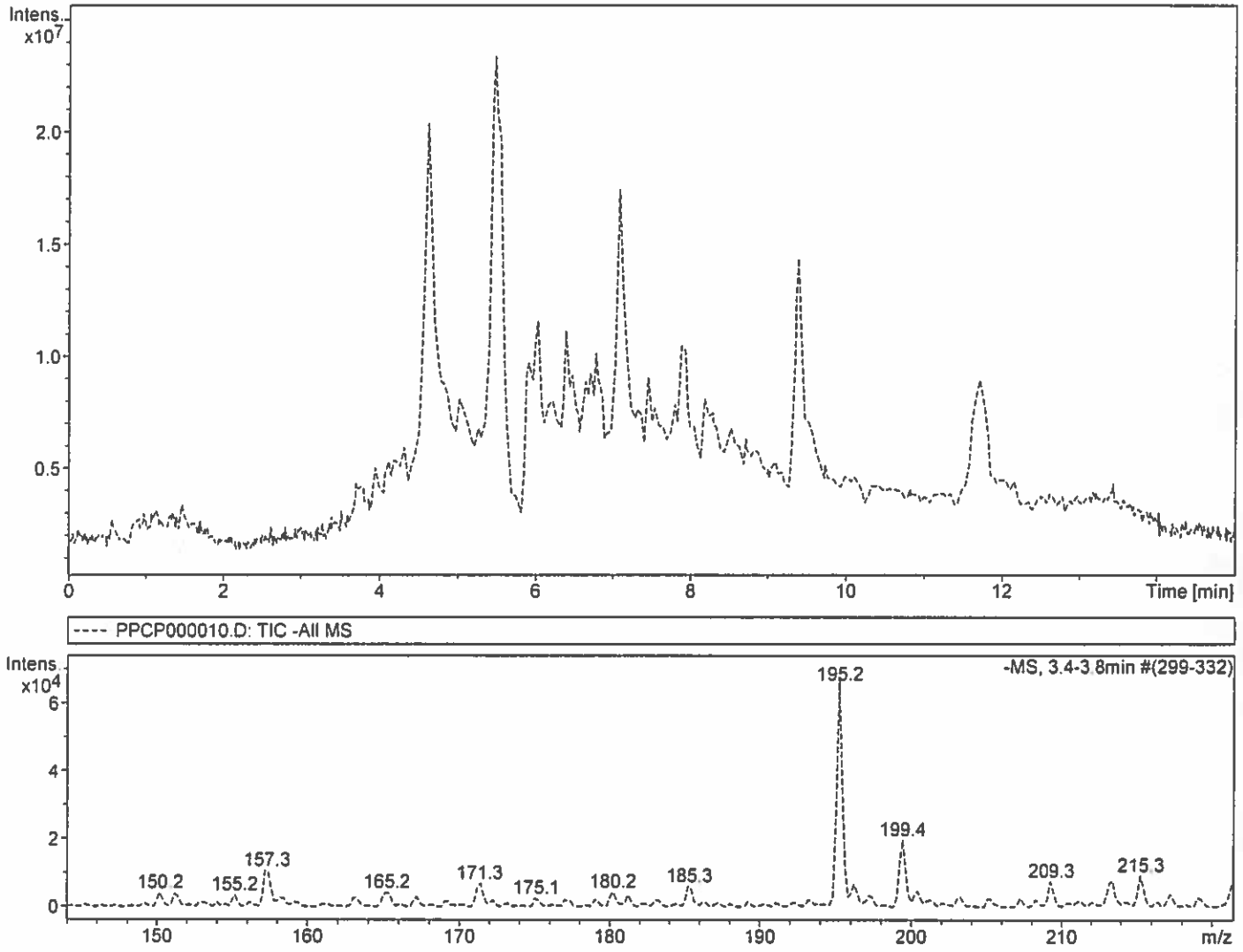

Agilent Technologies

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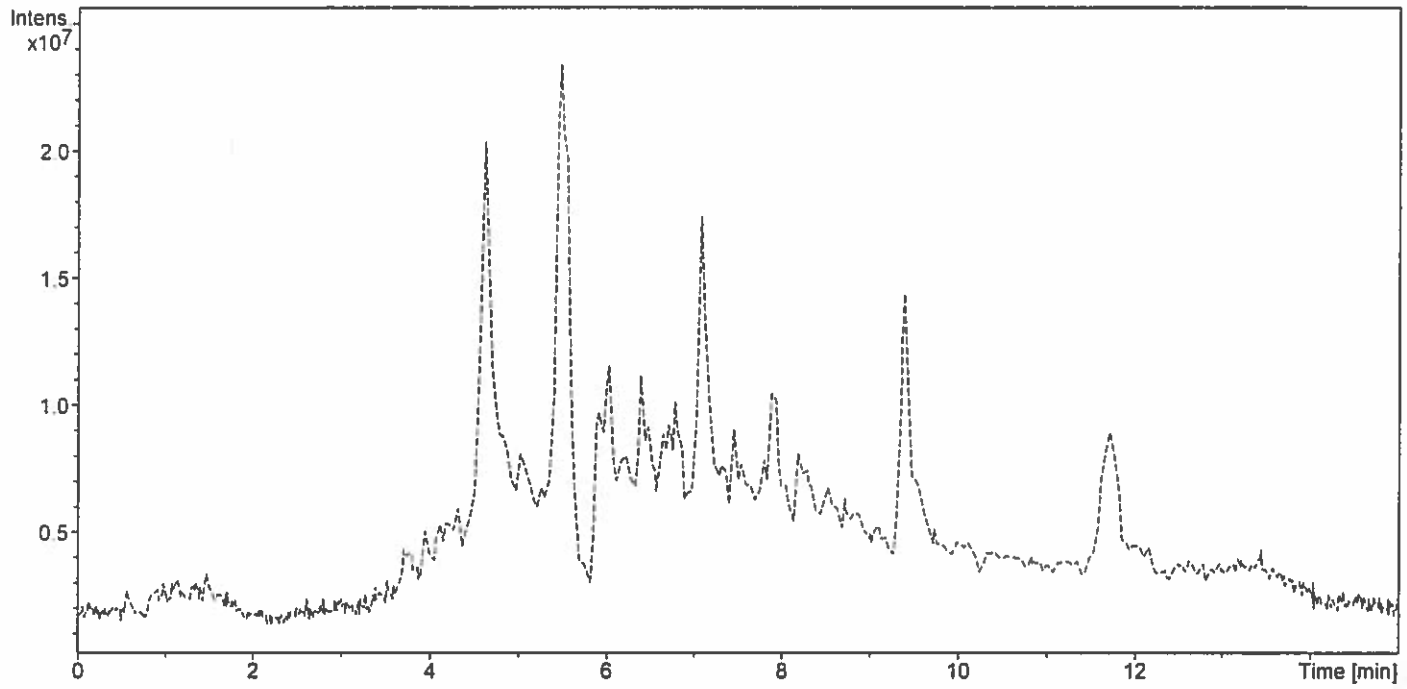

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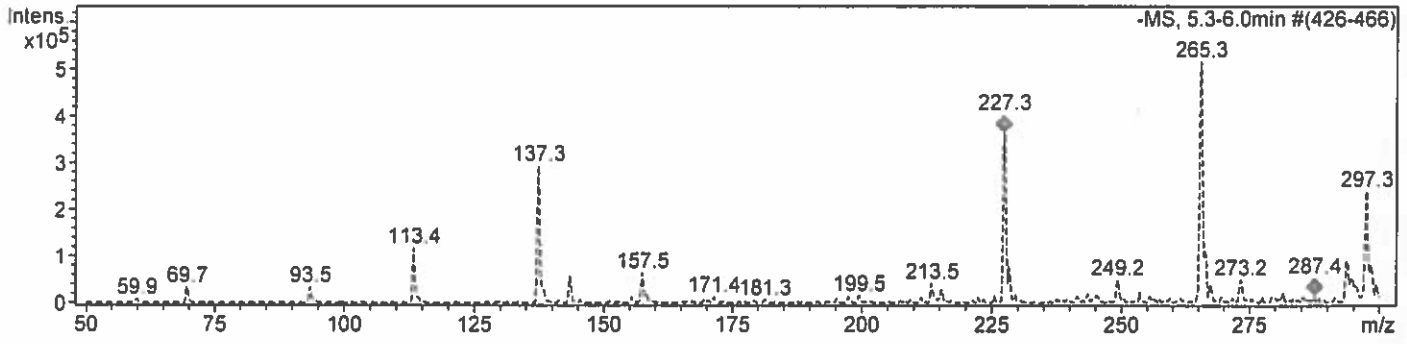

Agilent Technologies

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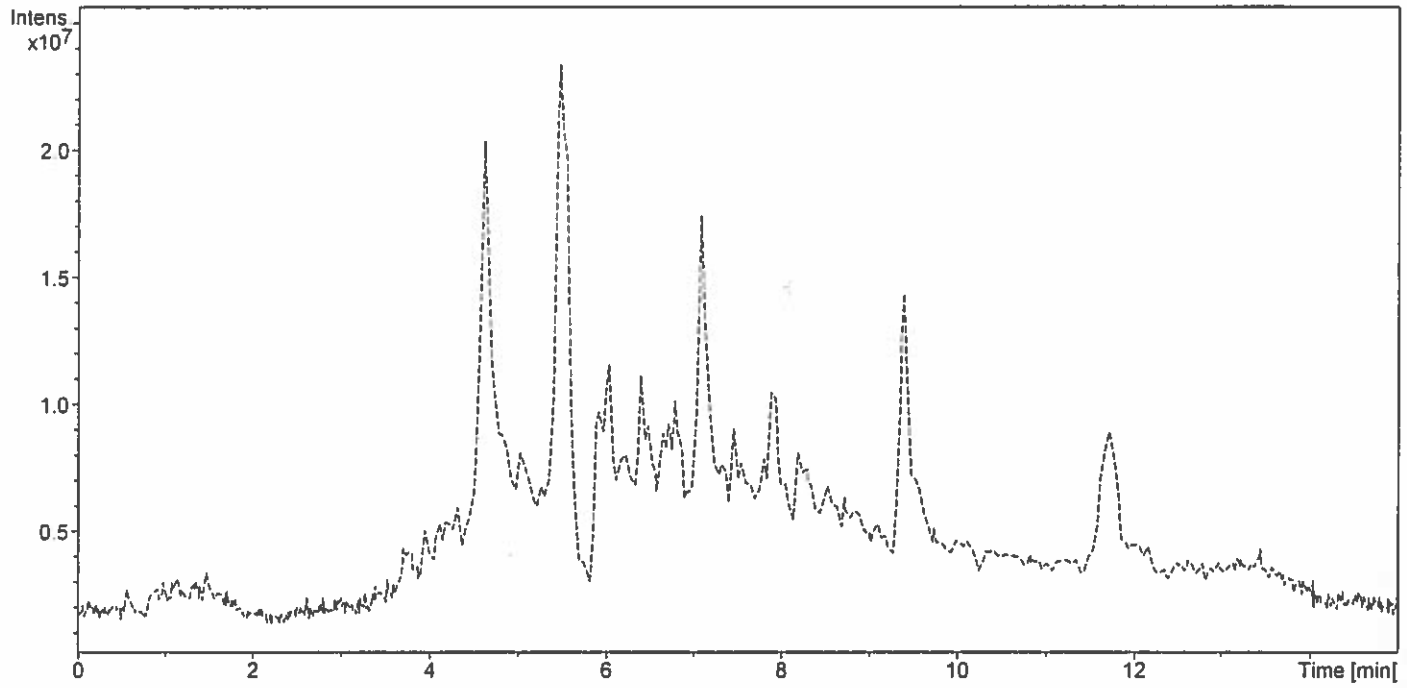

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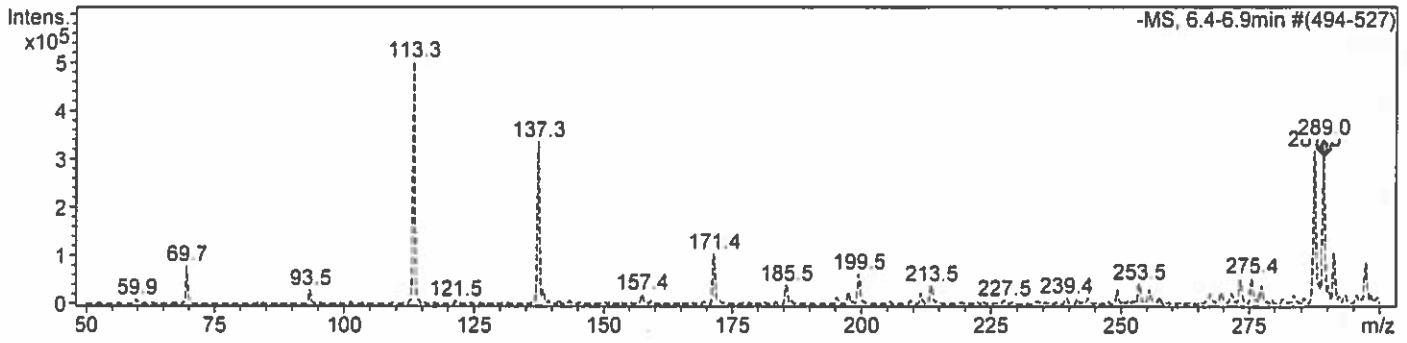

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Display Report - All Windows All Analyses

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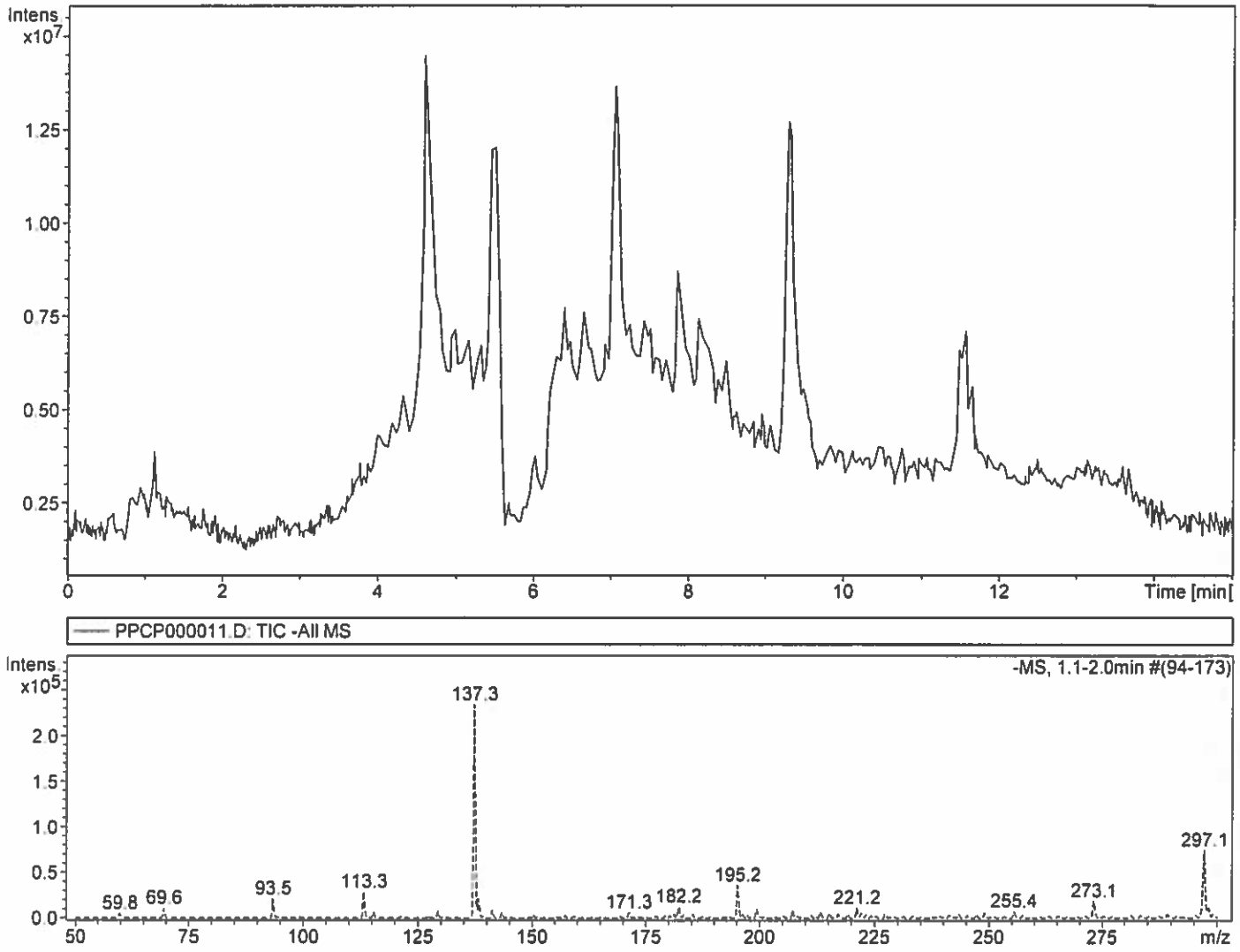

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Display Report - All Windows All Analyses

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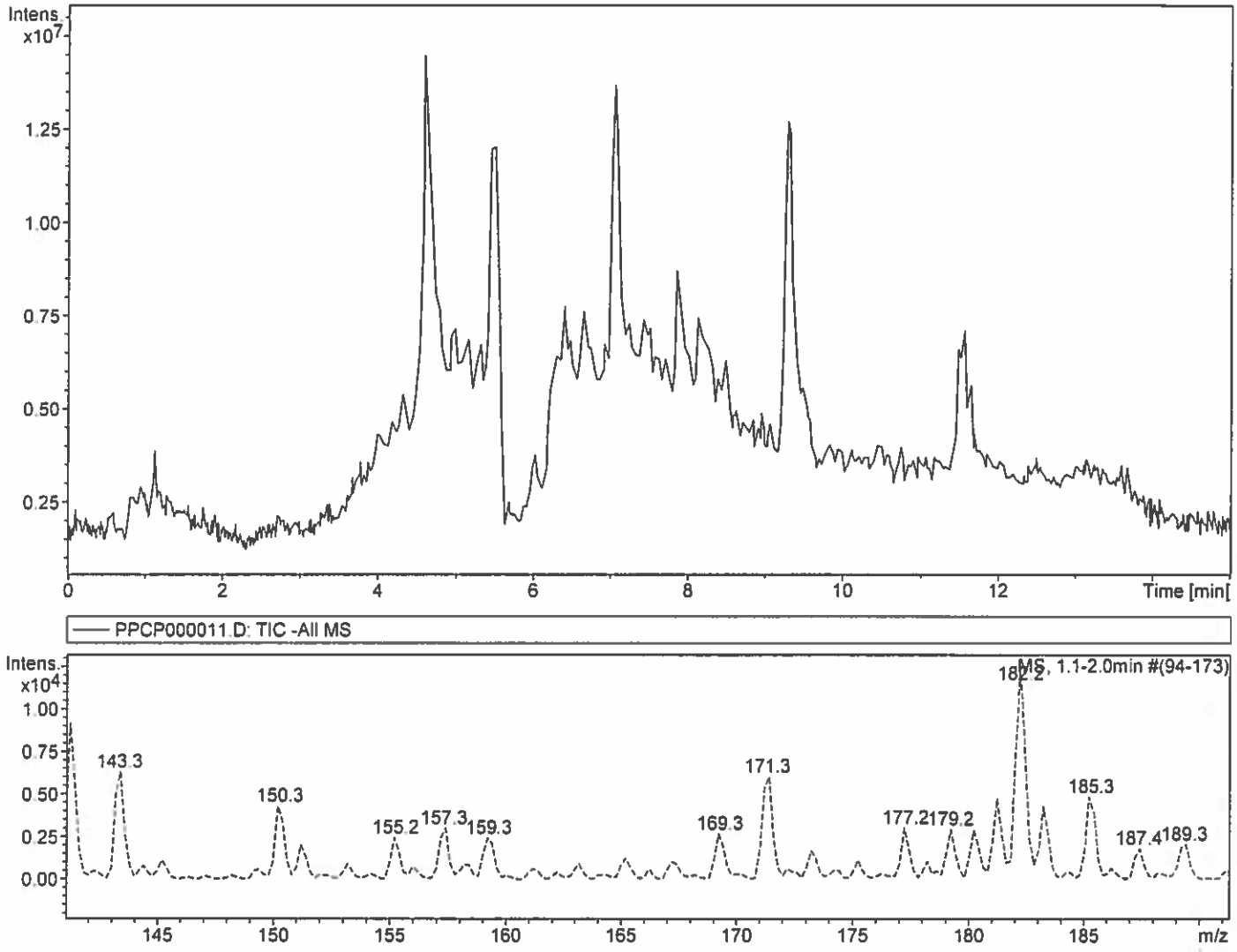

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Display Report - All Windows All Analyses

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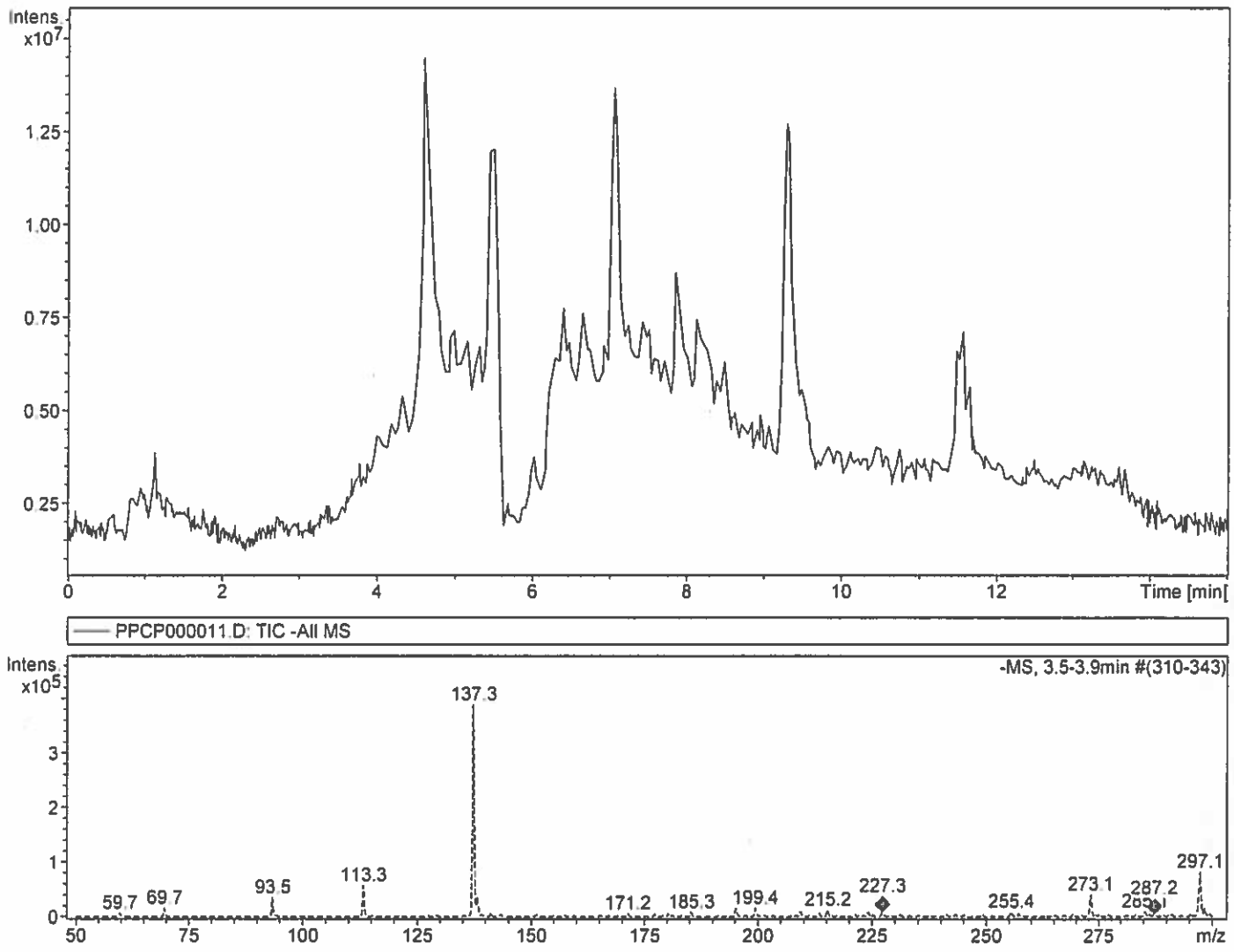

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Display Report - All Windows All Analyses

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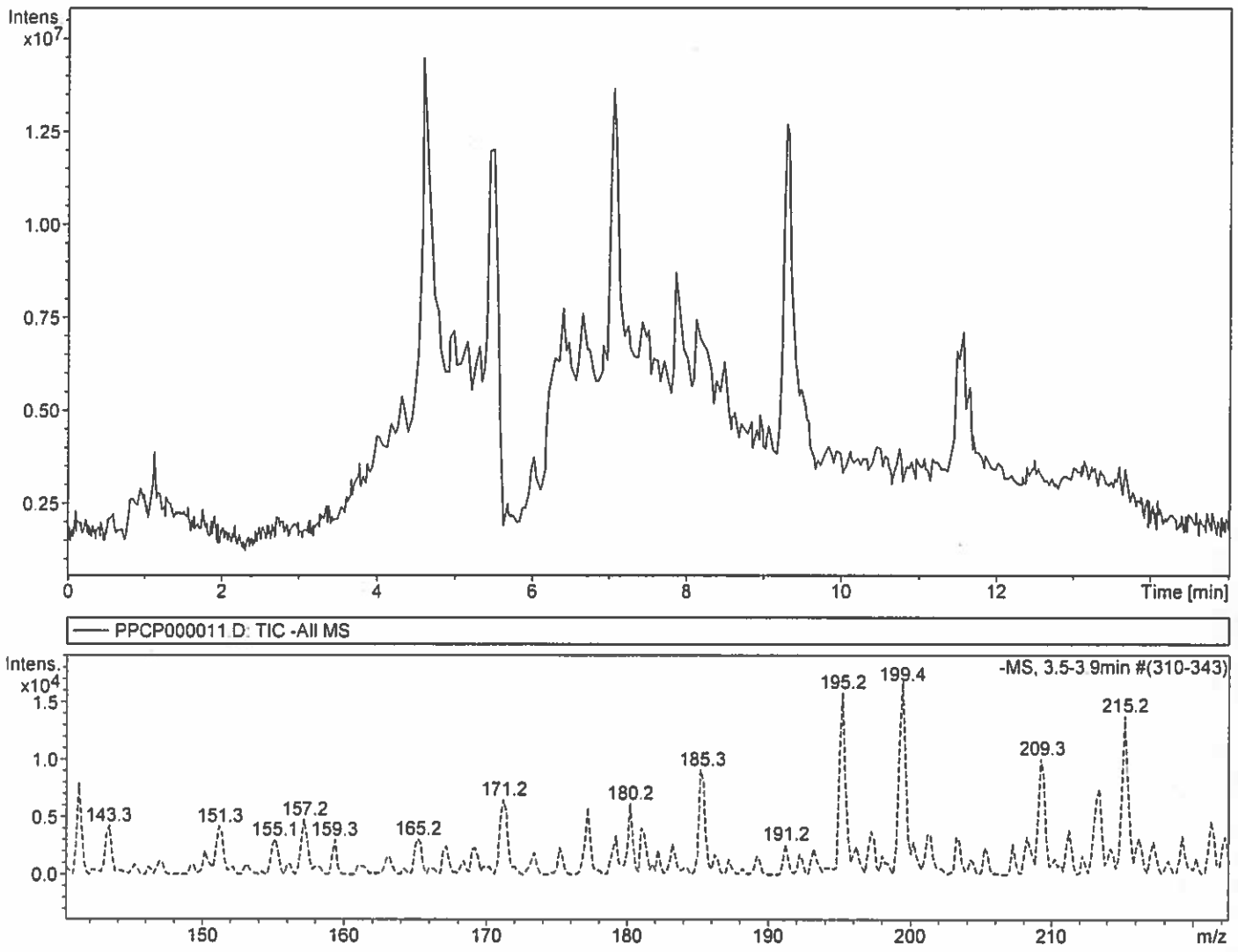

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Display Report - All Windows All Analyses

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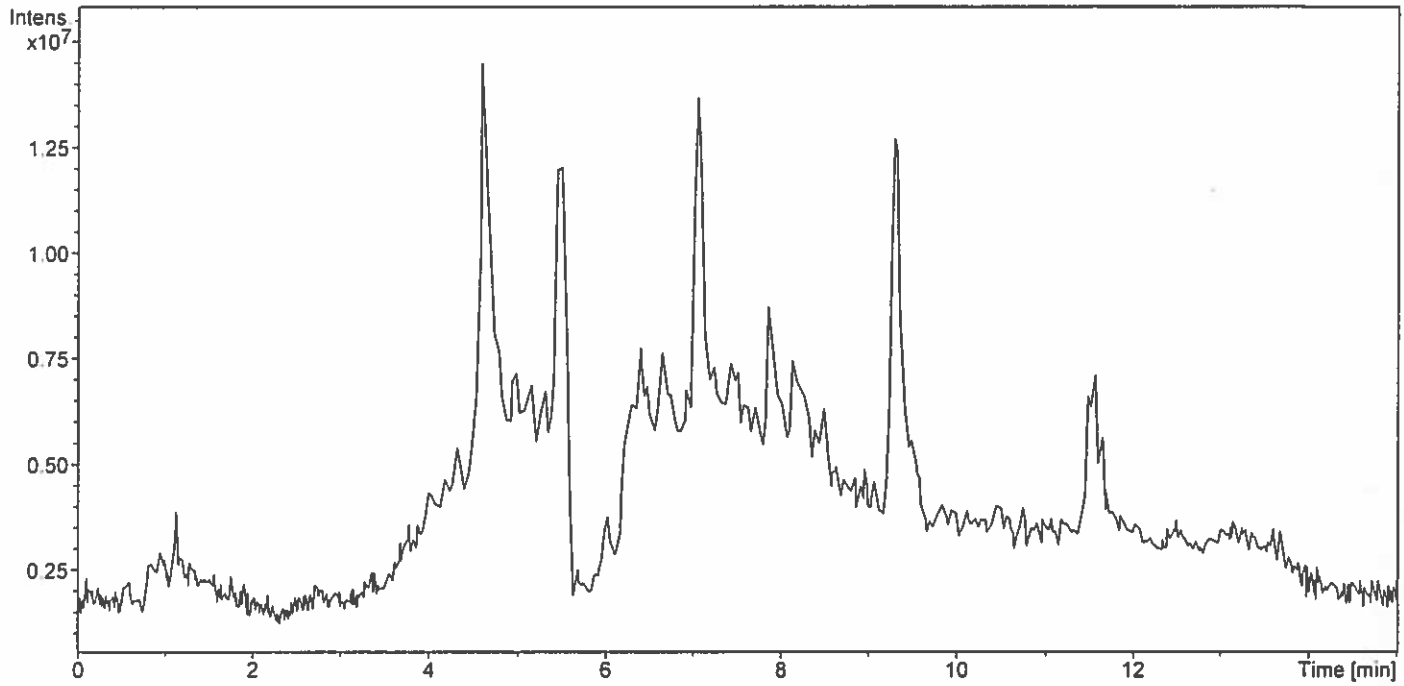

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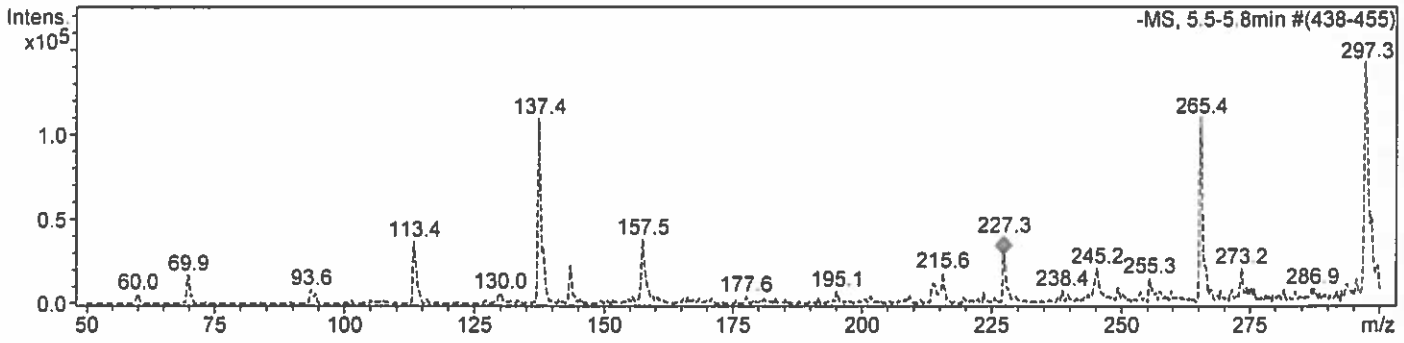

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Display Report - All Windows All Analyses

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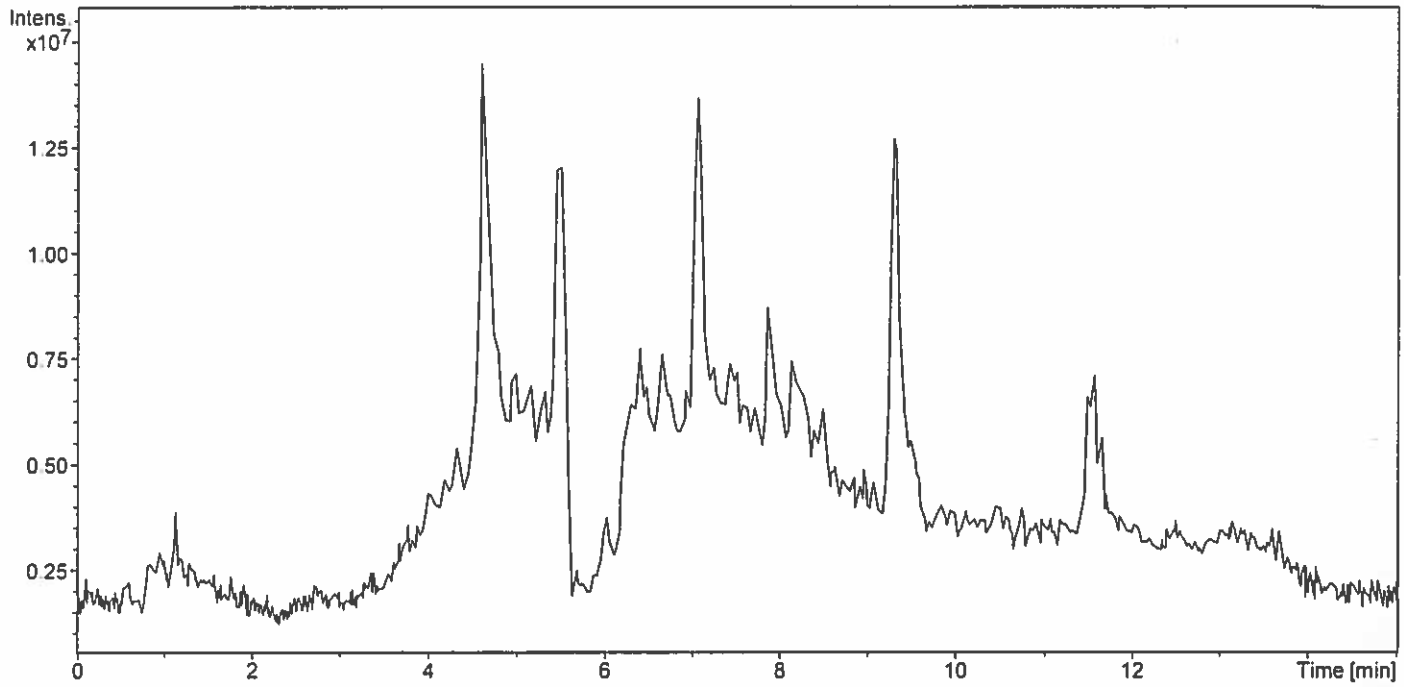

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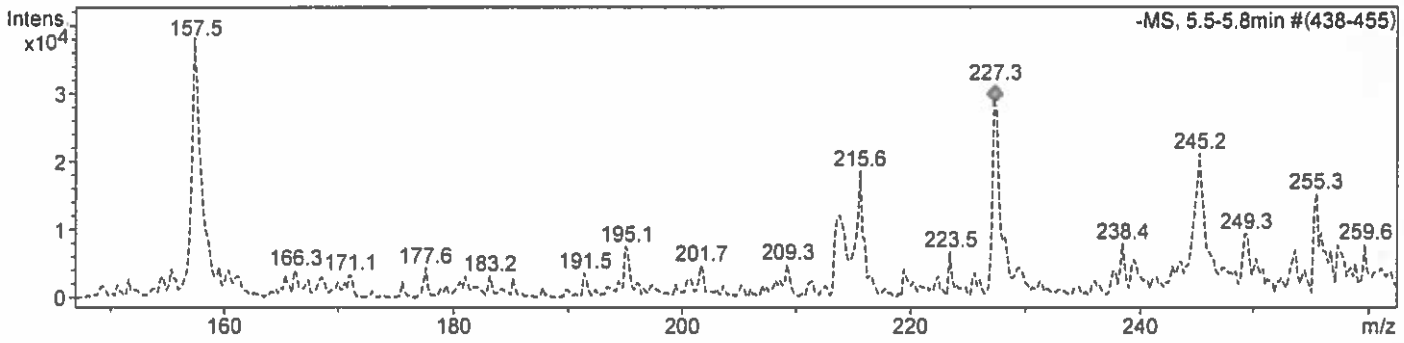

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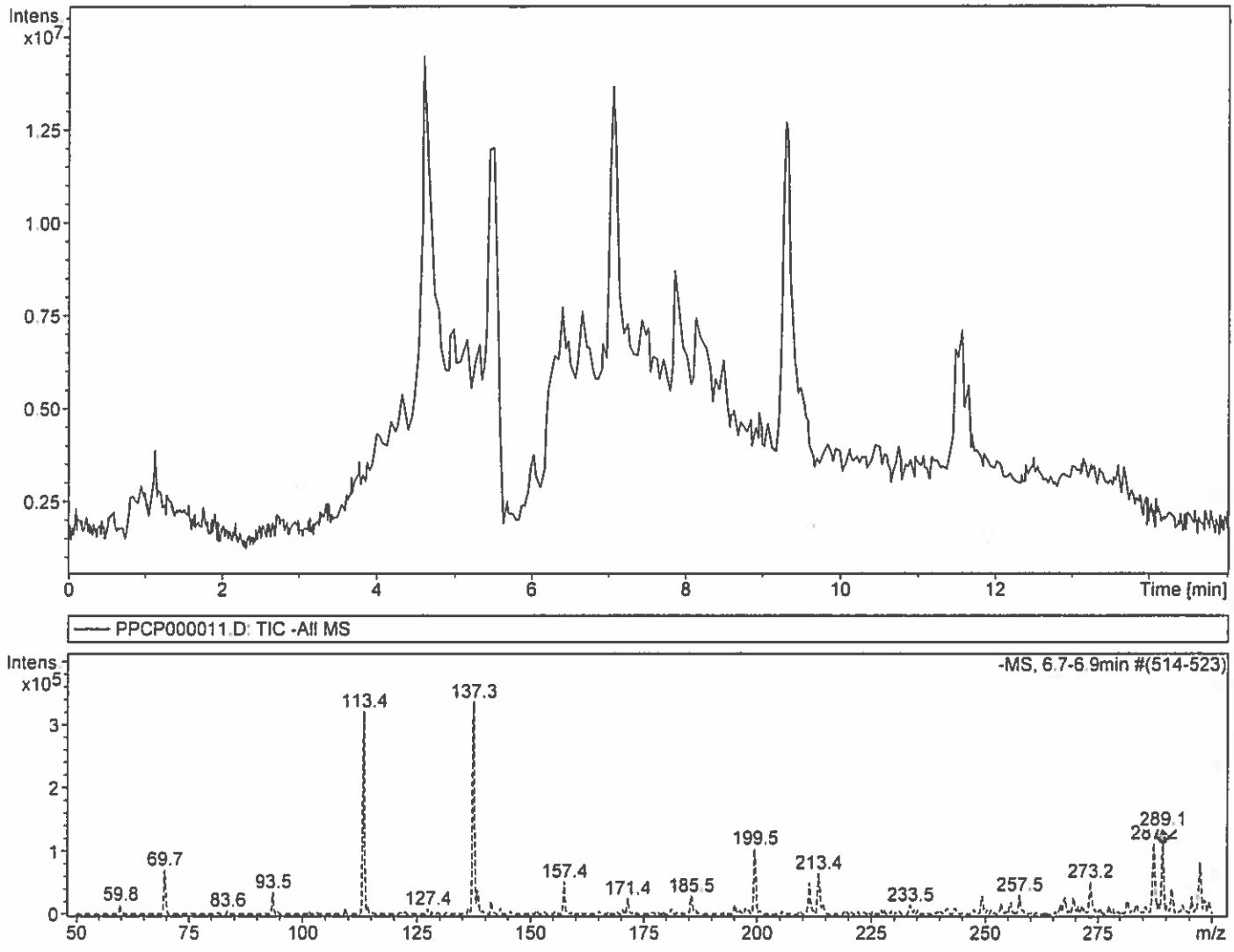
Display Report - All Windows All Analyses

Operator: Administrator **Instrumen** LC-MSD-Trap-XCT **Print Dat** 4/11/201 4 11:38:05 AM



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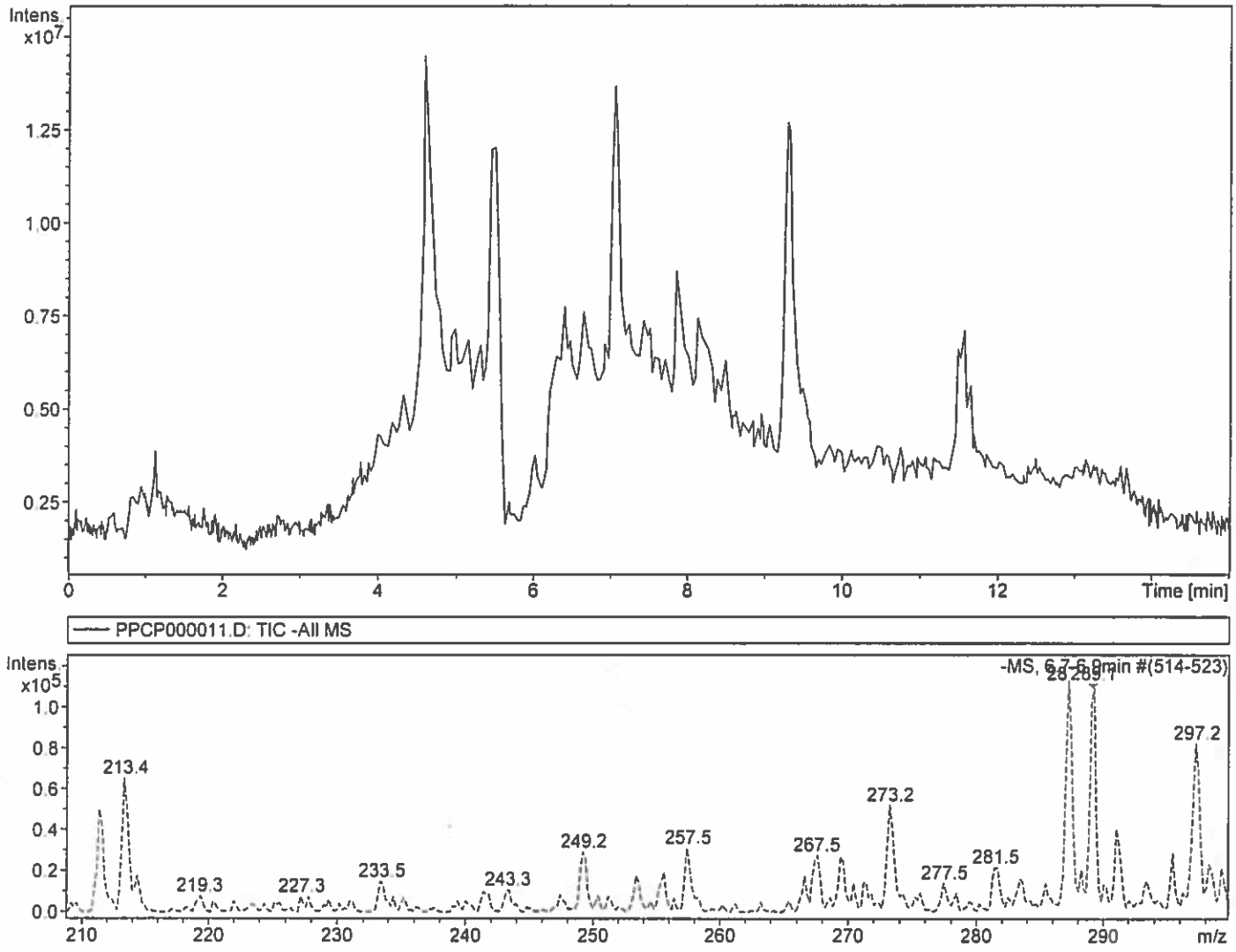
Display Report - All Windows All Analyses

Operator: Administrator **Instrumen** LC-MSD-Trap-XCT **Print Dat** 4/11/201 4 11:38:21 AM



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