

<b>Project</b>	PCP_COC	<b>Data File</b>	SAMPLE001.wiff
<b>Instrument Name</b>	Triple Quad 5500+	<b>Plate Position</b>	1-2
<b>Acquisition Date</b>	4/30/2025 7:20:27 PM	<b>Result Table Date</b>	5/1/2025 7:16:50 PM
<b>Acquisition Method</b>	PCP_BE_041422Final.dam	<b>Instrument Serial</b>	EX231582110

**Quant Transition:** PCP 1 243.8 / 159.0 PCP D5 1 248.8 / 164.1  
**Qual Transition:** PCP 2 243.8 / 91.0 PCP D5 1 248.8 / 164.1  
**IS Peak Area Range (20% - 200% of mean):** 3.61e+05 – 3.61e+06  
**IS Expected Ion Ratio:** PCP D5 1/PCP D5 1 100.0%(80.00% – 120.00%)

Calibrator	IS Name	Integration Type	Retention Time (min)	IS Peak Area	Calculated Ion Ratio
CAL1	PCP D5 1	Baseline	0.30	1.909e6	
	PCP D5 1	Baseline	0.30	1.91e+06	100.0%
CAL2	PCP D5 1	Baseline	0.30	1.870e6	
	PCP D5 1	Baseline	0.30	1.87e+06	100.0%
CAL3	PCP D5 1	Baseline	0.35	1.956e6	
	PCP D5 1	Baseline	0.35	1.96e+06	100.0%
CAL4	PCP D5 1	Baseline	0.32	1.893e6	
	PCP D5 1	Baseline	0.32	1.89e+06	100.0%
CAL5	PCP D5 1	Baseline	0.30	1.904e6	
	PCP D5 1	Baseline	0.30	1.90e+06	100.0%
CAL6	PCP D5 1	Baseline	0.29	1.772e6	
	PCP D5 1	Baseline	0.29	1.77e+06	100.0%
CAL7	PCP D5 1	Baseline	0.35	1.754e6	
	PCP D5 1	Baseline	0.35	1.75e+06	100.0%
CAL8	PCP D5 1	Baseline	0.32	1.486e6	
	PCP D5 1	Baseline	0.32	1.49e+06	100.0%

**Analyte Expected Ion Ratio:** PCP 2/PCP 1 59.4%(47.6% – 71.3%)  
**Analyte Relative Retention Time:** 1.01

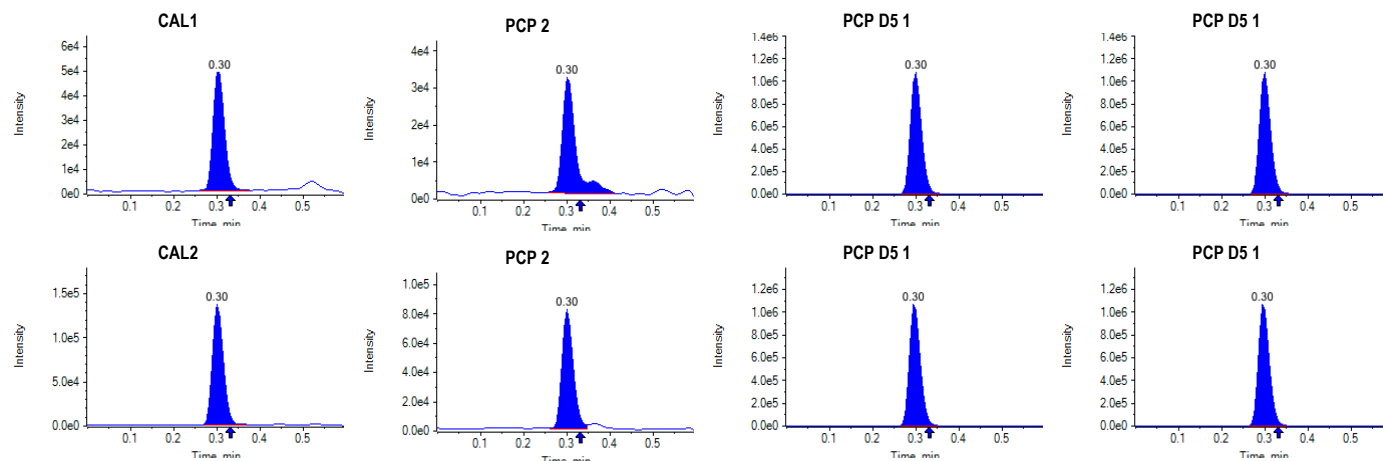
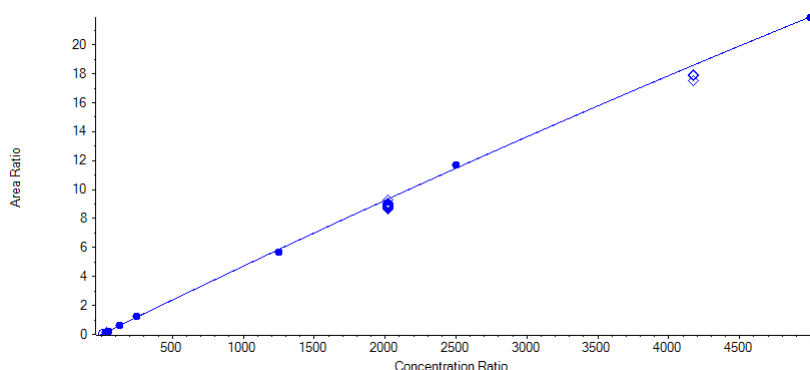
Calibrator	Injection Date and Time	Analyte Name	Integration Type	Ret Time (min)	Rel RT (min)	Analyte Peak Area	Area Ratio	Calc. Conc (ng/mL)	% Accuracy	Calculated Ion Ratio
CAL1	4/30/2025 7:27:50 PM	PCP 1	Baseline	0.30	1.01	8.848e4	0.046	8.49	84.95	
		PCP 2	Baseline	0.30	1.01	6.841e4	0.036			77.3%
CAL2	4/30/2025 7:28:59 PM	PCP 1	Baseline	0.30	1.02	2.379e5	0.127	25.39	101.56	
		PCP 2	Valley	0.30	1.01	1.462e5	0.078			61.5%
CAL3	4/30/2025 7:30:11 PM	PCP 1	Baseline	0.35	1.01	4.578e5	0.234	47.73	95.46	
		PCP 2	Baseline	0.35	1.01	2.841e5	0.145			62.1%
CAL4	4/30/2025 7:31:24 PM	PCP 1	Baseline	0.32	1.01	1.174e6	0.620	128.60	102.88	
		PCP 2	Baseline	0.32	1.01	6.955e5	0.368			59.2%
CAL5	4/30/2025 7:32:34 PM	PCP 1	Baseline	0.30	1.01	2.323e6	1.220	254.69	101.88	
		PCP 2	Baseline	0.30	1.01	1.368e6	0.719			58.9%
CAL6	4/30/2025 7:33:46 PM	PCP 1	Baseline	0.30	1.02	1.003e7	5.663	1205.61	96.45	
		PCP 2	Baseline	0.30	1.01	5.895e6	3.327			58.8%

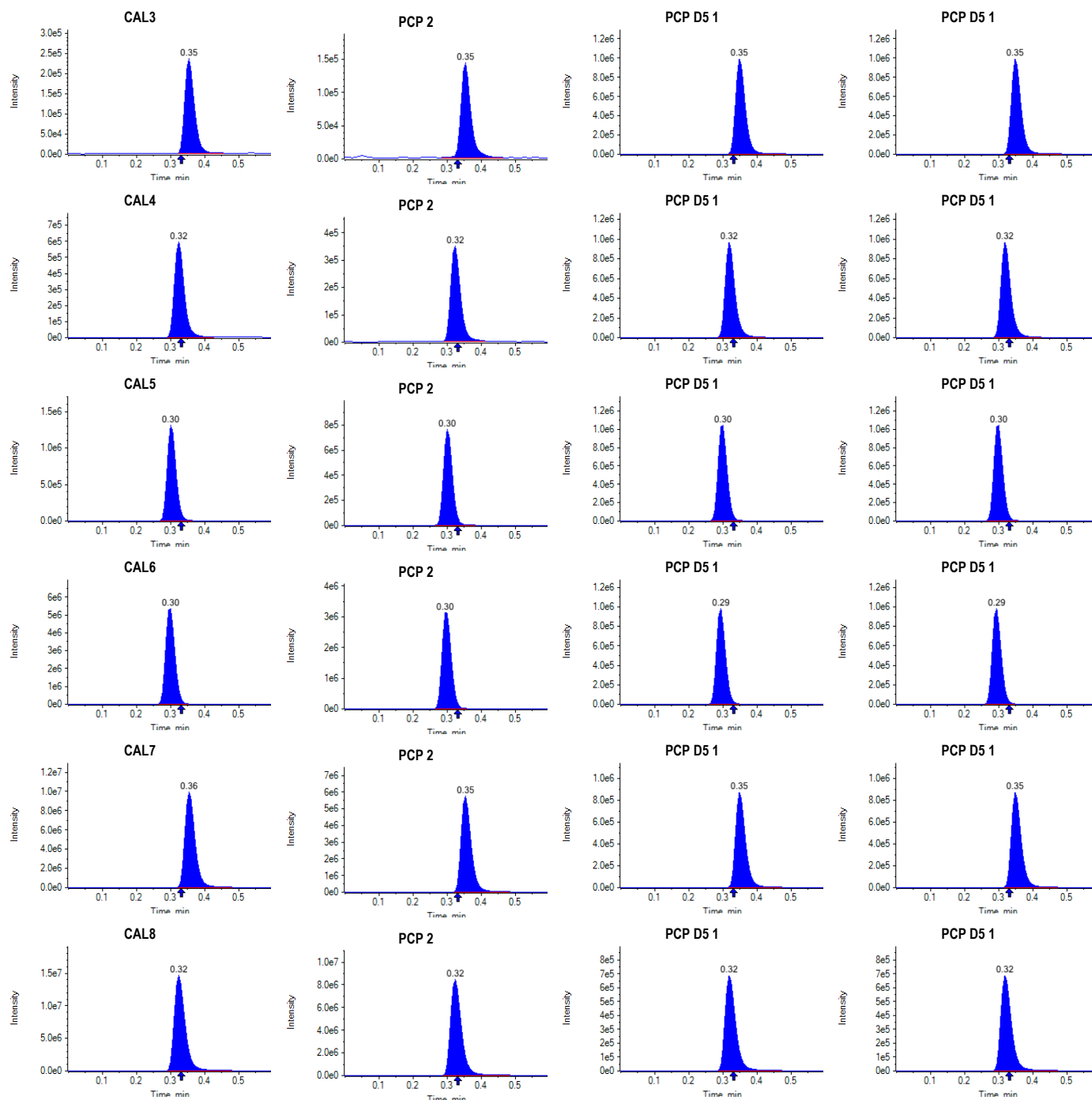
CAL7	4/30/2025 7:34:57 PM	PCP 1	Baseline	0.36	1.01	2.051e7	11.700	2550.74	102.03	
		PCP 2	Baseline	0.35	1.01	1.181e7	6.733			57.6%
CAL8	4/30/2025 7:36:08 PM	PCP 1	Baseline	0.32	1.01	3.251e7	21.880	4987.72	99.75	
		PCP 2	Baseline	0.32	1.01	1.888e7	12.710			58.1%

**QC Results**

Vial	QC Name	Ratio Confirms ID	IS Area Within Range	Expected Concentration (ng/mL)	Calculated Concentration (ng/mL)	% Accuracy
10	NEG QC	✓	✓	0.00	N/A	N/A
11	CPC LOW QC	✓	✓	32.69	30.08	92.02
12	CPC MID QC	✓	✓	2020.10	1872.06	92.67
13	CPC HIGH QC	✓	✓	4176.20	4019.42	96.25
12	CPC MID QC	✓	✓	2020.10	1933.97	95.74
53	CPC MID3	✓	✓	2020.10	1876.26	92.88
74	CPC PC	✓	✓	2020.10	2008.48	99.42
87	NEG QC	✓	✓	0.00	N/A	N/A
88	CPC HIGH QC	✓	✓	4176.20	3921.98	93.91
89	CPC MID QC	✓	✓	2020.10	1913.93	94.74
90	CPC MID QC	✓	✓	2020.10	1899.83	94.05
91	CPC LOW QC	✓	✓	32.69	28.88	88.35
10	NEG QC CO	✓	✓	0.00	N/A	N/A
10	NEG QC CO	✓	✓	0.00	N/A	N/A
10	NEG QC CO	✓	✓	0.00	N/A	N/A
10	NEG QC CO	✓	✓	0.00	N/A	N/A
88	CPC HIGH QC CO	✓	✓	4176.20	3990.93	95.56
89	CPC MID QC CO	✓	✓	2020.10	1965.12	97.28
90	CPC MID QC CO	✓	✓	2020.10	1944.28	96.25
91	CPC LOW QC CO	✓	✓	32.69	30.66	93.79

**Regression Equation:**

$$y = -8.09513e-8 x^2 + 0.00479 x + 0.00567 \quad (r = 0.99940) \quad (\text{weighting: } 1 / x^2)$$




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<b>Instrument Name</b>	Triple Quad 5500+	<b>Plate Position</b>	1-2
<b>Acquisition Date</b>	4/30/2025 7:20:27 PM	<b>Result Table Date</b>	5/1/2025 7:16:50 PM
<b>Acquisition Method</b>	PCP_BE_041422Final.dam	<b>Instrument Serial</b>	EX231582110

**Quant Transition:** Benzoylecgonine 1 289.8 / 168.1 Benzoylecgonine D3 1 292.8 / 171.2  
**Qual Transition:** Benzoylecgonine 2 289.8 / 104.9 Benzoylecgonine D3 1 292.8 / 171.2  
**IS Peak Area Range (20% - 200% of mean):** 3.77e+05 – 3.77e+06  
**IS Expected Ion Ratio:** Benzoylecgonine D3 1/Benzoylecgonine D3 1 100.0%(80.00% – 120.00%)

Calibrator	IS Name	Integration Type	Retention Time (min)	IS Peak Area	Calculated Ion Ratio
CAL1	Benzoylecgonine D3 1	Baseline	0.17	2.004e6	
	Benzoylecgonine D3 1	Baseline	0.17	2.00e+06	100.0%
CAL2	Benzoylecgonine D3 1	Baseline	0.16	2.117e6	
	Benzoylecgonine D3 1	Baseline	0.16	2.12e+06	100.0%
CAL3	Benzoylecgonine D3 1	Baseline	0.20	2.010e6	
	Benzoylecgonine D3 1	Baseline	0.20	2.01e+06	100.0%
CAL4	Benzoylecgonine D3 1	Baseline	0.18	2.096e6	
	Benzoylecgonine D3 1	Baseline	0.18	2.10e+06	100.0%
CAL5	Benzoylecgonine D3 1	Baseline	0.17	1.968e6	
	Benzoylecgonine D3 1	Baseline	0.17	1.97e+06	100.0%
CAL6	Benzoylecgonine D3 1	Baseline	0.16	1.825e6	
	Benzoylecgonine D3 1	Baseline	0.16	1.83e+06	100.0%
CAL7	Benzoylecgonine D3 1	Baseline	0.20	1.620e6	
	Benzoylecgonine D3 1	Baseline	0.20	1.62e+06	100.0%
CAL8	Benzoylecgonine D3 1	Baseline	0.18	1.431e6	
	Benzoylecgonine D3 1	Baseline	0.18	1.43e+06	100.0%

**Analyte Expected Ion Ratio:** Benzoylecgonine 2/Benzoylecgonine 1 71.7%(57.3% – 86.0%)

**Analyte Relative Retention Time:** 1.02

Calibrator	Injection Date and Time	Analyte Name	Integration Type	Ret Time (min)	Rel RT (min)	Analyte Peak Area	Area Ratio	Calc. Conc (ng/mL)	% Accuracy	Calculated Ion Ratio
CAL1	4/30/2025 7:27:50 PM	Benzoylecgonine 1	Valley	0.17	1.02	1.637e4	0.008	39.78	99.45	
		Benzoylecgonine 2	Baseline	0.17	1.02	1.125e4	0.006			68.7%
CAL2	4/30/2025 7:28:59 PM	Benzoylecgonine 1	Valley	0.17	1.02	4.324e4	0.020	102.70	102.70	
		Benzoylecgonine 2	Baseline	0.17	1.01	3.153e4	0.015			72.9%
CAL3	4/30/2025 7:30:11 PM	Benzoylecgonine 1	Baseline	0.21	1.02	7.669e4	0.038	193.76	96.88	
		Benzoylecgonine 2	Baseline	0.21	1.01	5.591e4	0.028			72.9%
CAL4	4/30/2025 7:31:24 PM	Benzoylecgonine 1	Baseline	0.19	1.02	2.052e5	0.098	501.06	100.21	
		Benzoylecgonine 2	Baseline	0.19	1.01	1.517e5	0.072			73.9%
CAL5	4/30/2025 7:32:34 PM	Benzoylecgonine 1	Baseline	0.17	1.02	3.917e5	0.199	1022.78	102.28	
		Benzoylecgonine 2	Baseline	0.17	1.02	2.835e5	0.144			72.4%
CAL6	4/30/2025 7:33:46 PM	Benzoylecgonine 1	Baseline	0.16	1.02	1.738e6	0.952	4972.94	99.46	
		Benzoylecgonine 2	Baseline	0.16	1.02	1.228e6	0.673			70.7%

CAL7	4/30/2025 7:34:57 PM	Benzoyllecgonine 1	Baseline	0.21	1.02	2.979e6	1.839	9782.46	97.82	
		Benzoyllecgonine 2	Baseline	0.21	1.01	2.133e6	1.316			71.6%
CAL8	4/30/2025 7:36:08 PM	Benzoyllecgonine 1	Baseline	0.19	1.02	5.227e6	3.653	20244.00	101.22	
		Benzoyllecgonine 2	Baseline	0.19	1.02	3.679e6	2.571			70.4%

### QC Results

Vial	QC Name	Ratio Confirms ID	IS Area Within Range	Expected Concentration (ng/mL)	Calculated Concentration (ng/mL)	% Accuracy
10	NEG QC	✓	✓	0.00	N/A	N/A
11	CPC LOW QC	✓	✓	128.10	115.16	89.90
12	CPC MID QC	✓	✓	7916.90	7691.49	97.15
13	CPC HIGH QC	✓	✓	16383.10	15819.86	96.56
12	CPC MID QC	✓	✓	7916.90	7531.94	95.14
53	CPC MID3	✓	✓	7916.90	7684.73	97.07
74	CPC PC	✓	✓	7916.90	7644.97	96.57
87	NEG QC	✓	✓	0.00	N/A	N/A
88	CPC HIGH QC	✓	✓	16383.10	15680.89	95.71
89	CPC MID QC	✓	✓	7916.90	7721.34	97.53
90	CPC MID QC	✓	✓	7916.90	7450.13	94.10
91	CPC LOW QC	✓	✓	128.10	150.80	117.72
10	NEG QC CO	✓	✓	0.00	N/A	N/A
10	NEG QC CO	✓	✓	0.00	N/A	N/A
10	NEG QC CO	✓	✓	0.00	N/A	N/A
10	NEG QC CO	✓	✓	0.00	N/A	N/A
88	CPC HIGH QC CO	✓	✓	16383.10	16375.35	99.95
89	CPC MID QC CO	✓	✓	7916.90	8064.44	101.86
90	CPC MID QC CO	✓	✓	7916.90	8179.19	103.31
91	CPC LOW QC CO	✓	✓	128.10	141.50	110.46

### Regression Equation:

$$y = -7.17560e-10 x^2 + 1.94945e-4 x + 4.13535e-4 \quad (r = 0.99973) \quad (\text{weighting: } 1 / x^2)$$
