CE Schmidt, Ph.D.
Environmental Consultant

ATTACHMENT D

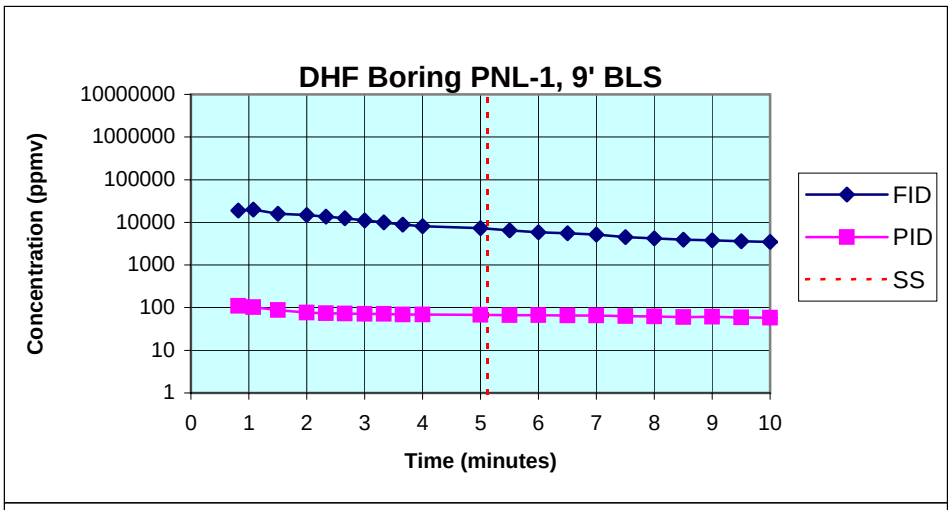
DOWNHOLE FLUX CHAMBER EMISSION PROFILES/PLOTS

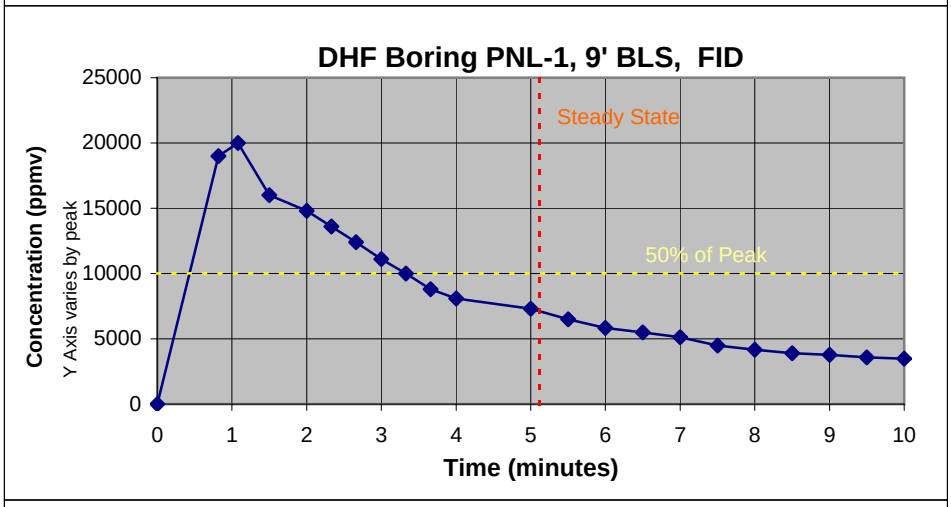
Individual Phase I and Phase VIII Interval Plots
Phase I and Phase VIII Stacked Interval Plots per Boring
Combined Boring Plot Summaries per Phase
Plots with Fixed and Variable 'Y' Axis

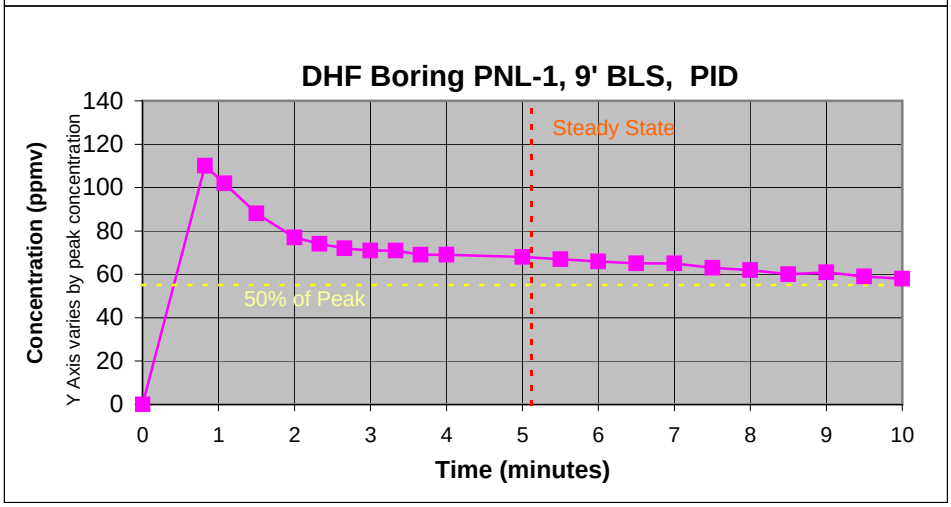
19200 Live Oak Road Red Bluff, CA 96080 (530) 529-4256 Fax- 4878

PNL-1-9'

TIME	FID	PID
0.00	0	0
0.82	19000	110
1.08	20000	102
1.5	16000	88
2	14800	77
2.33	13600	74
2.66	12400	72
3	11100	71
3.33	10000	71
3.66	8800	69
4	8100	69
5	7300	68
5.5	6500	67
6	5825	66
6.5	5500	65
7	5130	65
7.5	4475	63
8	4170	62
8.5	3900	60
9	3780	61
9.5	3580	59
10	3477	58
10.5	3402	57
11	3360	56
11.5	3270	55
12	3122	54
12.5	3070	54
13	3037	54
13.5	2916	53
14	2827	52
Peak	20000	110
SS Value	7300	68
SS % Pk	37%	62%



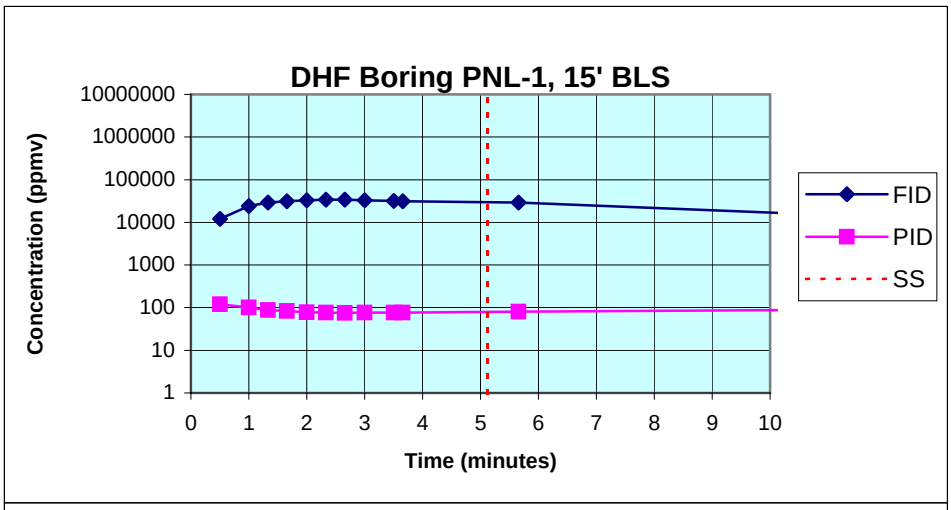


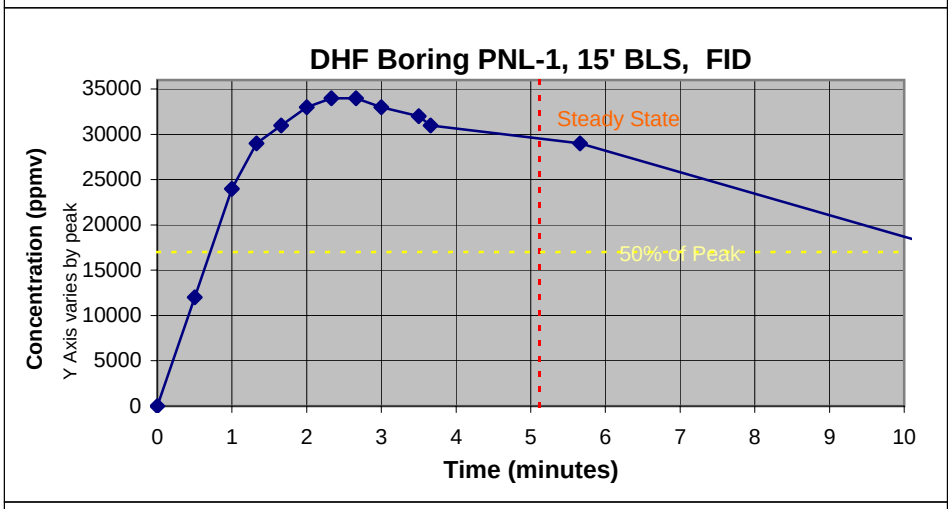


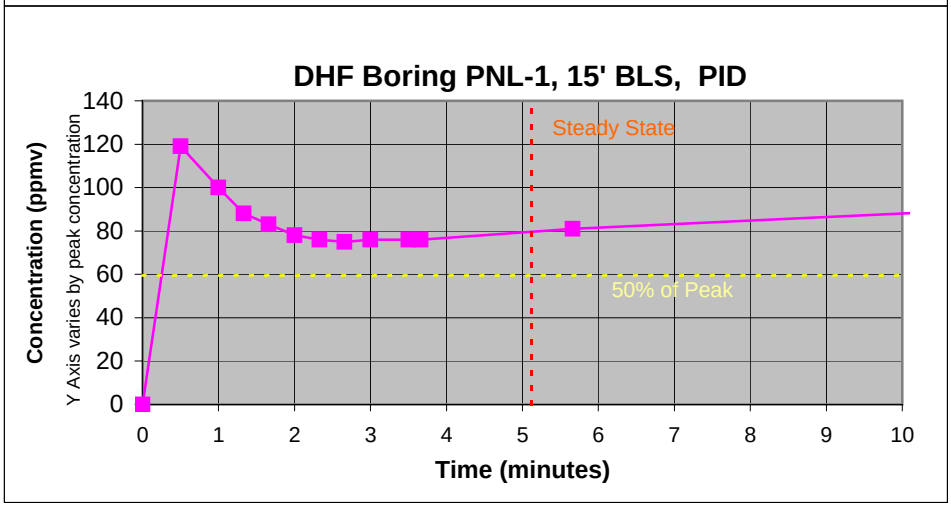
PNL-1-15'

TIME	FID	PID
0.00	0	0
0.5	12000	119
1	24000	100
1.33	29000	88
1.66	31000	83
2	33000	78
2.33	34000	76
2.66	34000	75
3	33000	76
3.5	32000	76
3.66	31000	76
5.66	29000	81
13	11600	93
13.5	13000	90
14	15000	90
14.5	15000	91
15	15000	92
15.5	15000	94
16	15000	95
16.5	15000	96

Peak	34000	119
SS Value	29000	81
SS % Pk	85%	68%

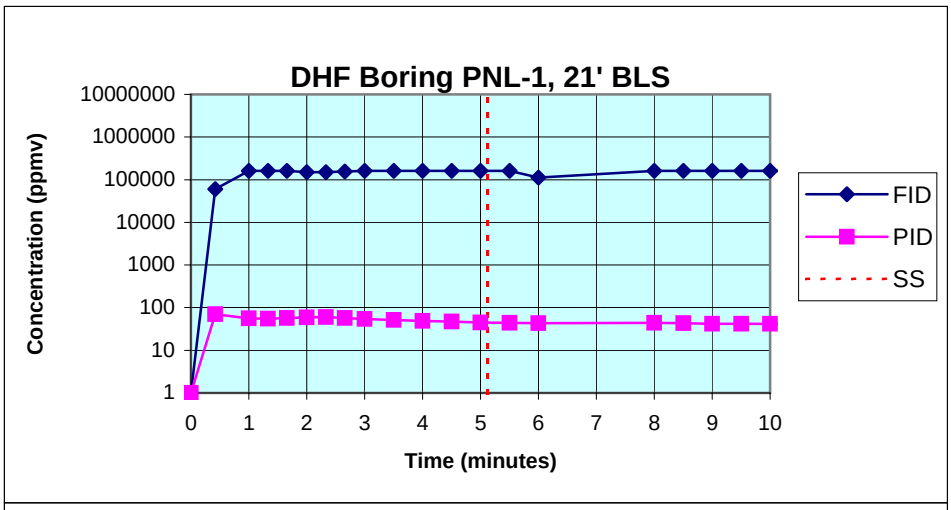


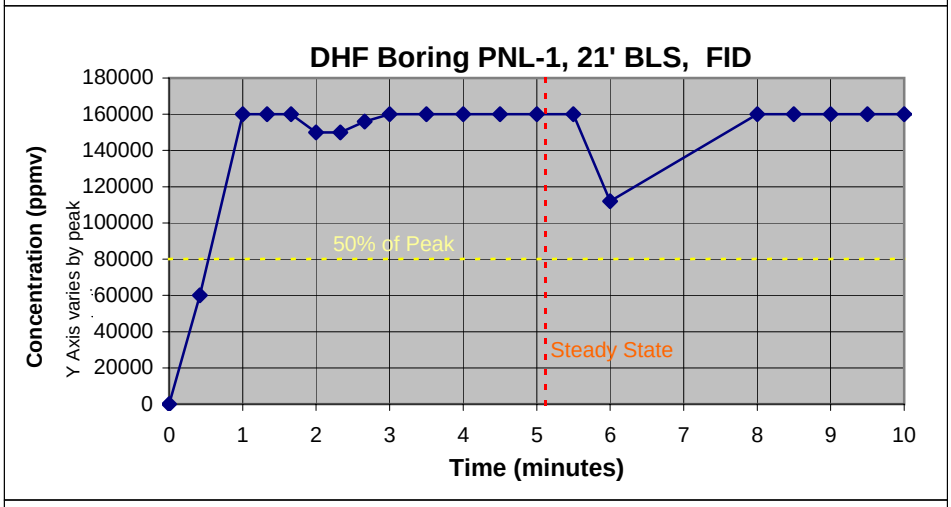


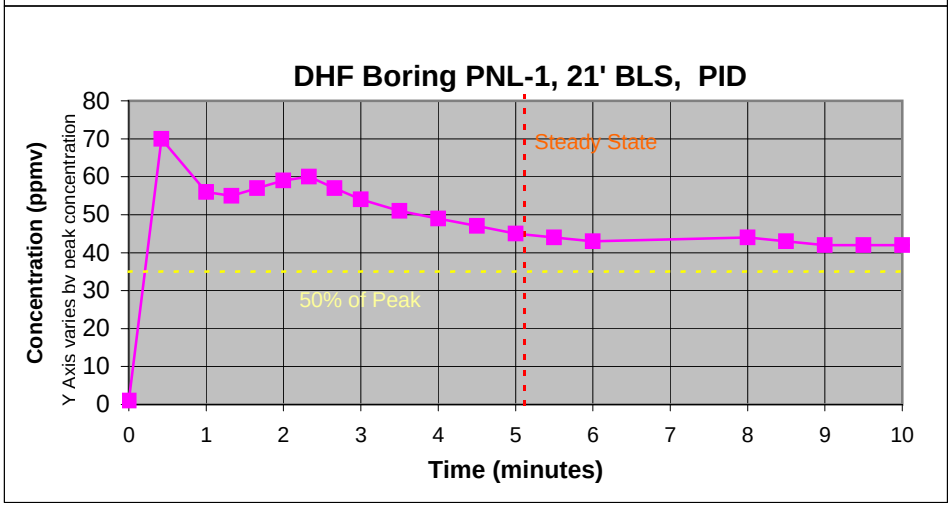


PNL-1-21'

TIME	FID	PID
0.00	1	1
0.42	60000	70
1	160000	56
1.33	160000	55
1.66	160000	57
2	150000	59
2.33	150000	60
2.66	156000	57
3	160000	54
3.5	160000	51
4	160000	49
4.5	160000	47
5	160000	45
5.5	160000	44
6	112000	43
8	160000	44
8.5	160000	43
9	160000	42
9.5	160000	42
10	160000	42
10.5	160000	42
11	160000	42
Peak	160000	70
SS Value	160000	45
SS % Pk	100%	64%



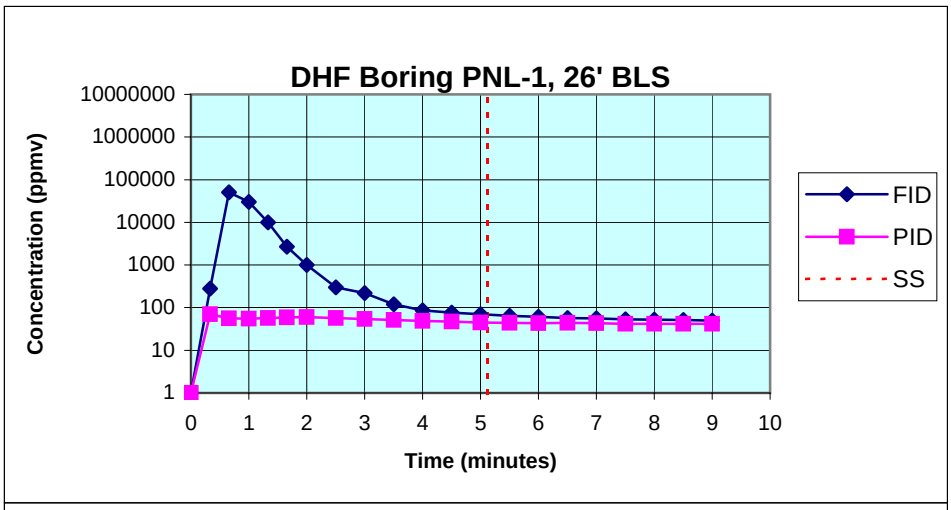


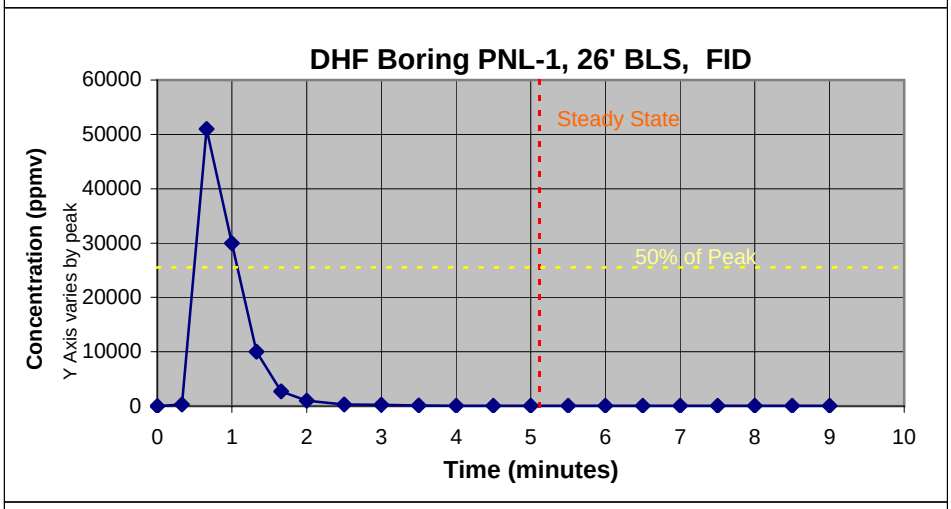


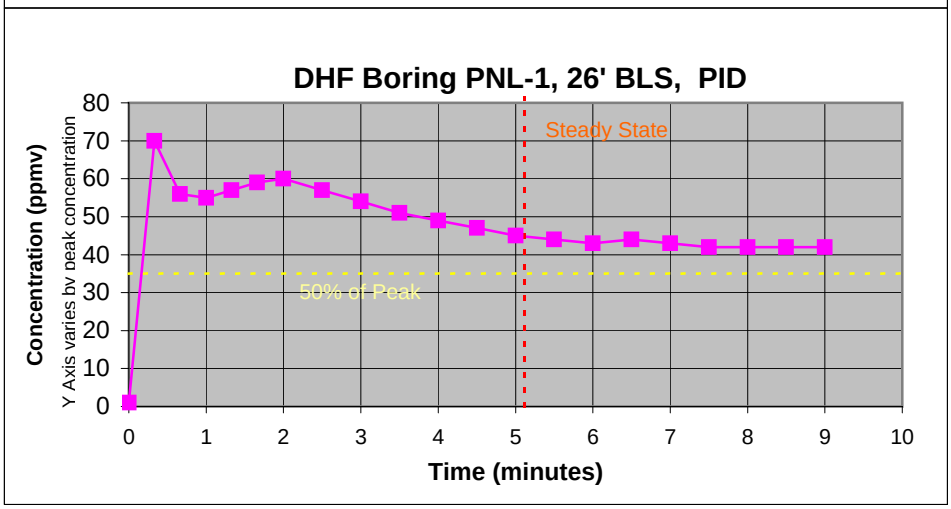
PNL-1-26'

TIME	FID	PID
0.00	1	1
0.33	280	70
0.66	51000	56
1	30000	55
1.33	10000	57
1.66	2700	59
2	1010	60
2.5	300	57
3	220	54
3.5	120	51
4	86	49
4.5	76	47
5	70	45
5.5	64	44
6	61	43
6.5	57	44
7	56	43
7.5	53	42
8	52	42
8.5	51	42
9	50	42

Peak	51000	70
SS Value	71	45
SS % Pk	0%	64%



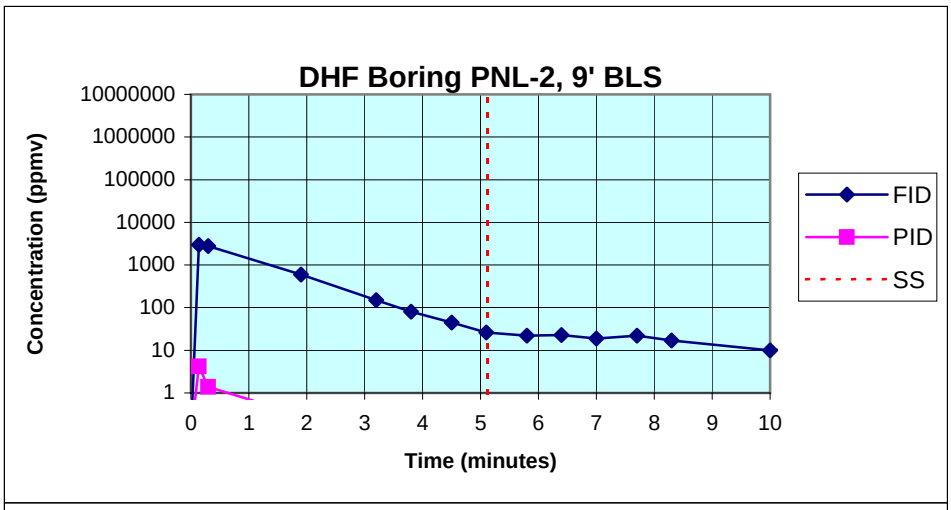


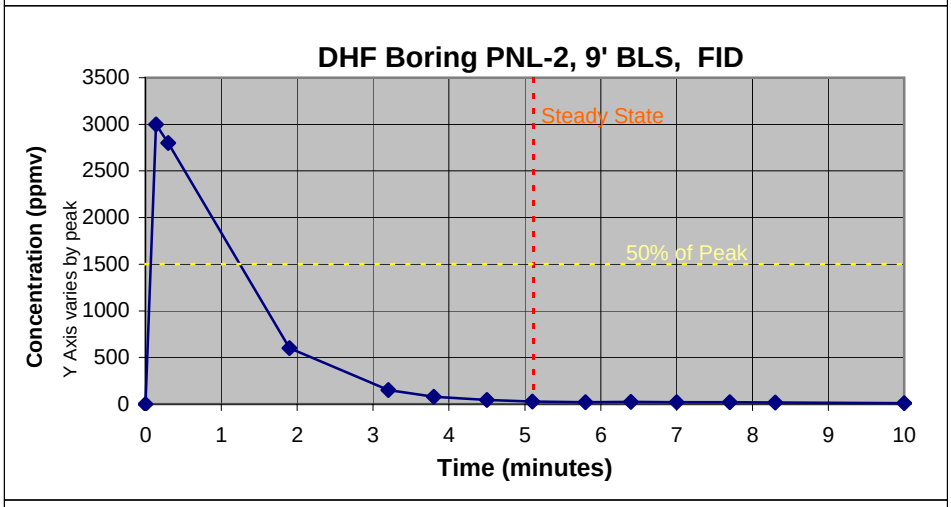


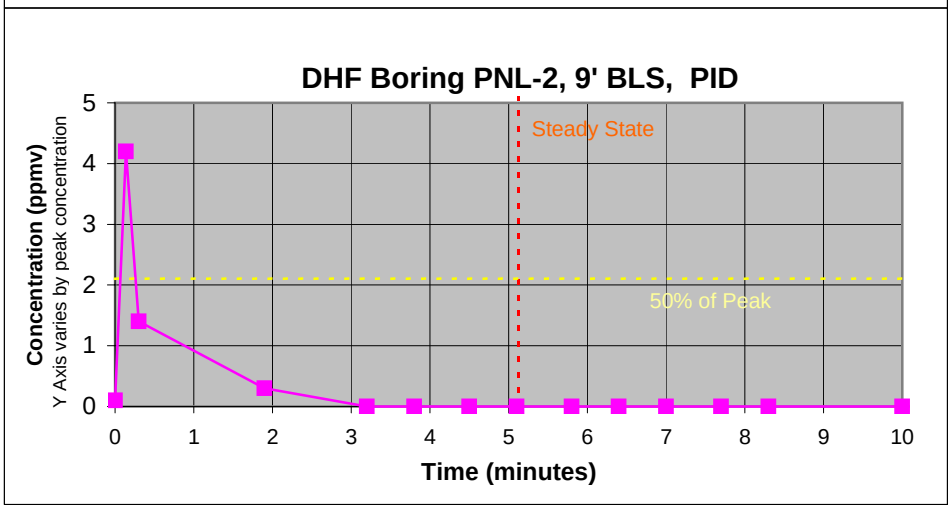
PNL-2-9'

TIME	FID	PID
0.00	0.1	0.1
0.14	3000	4.2
0.3	2800	1.4
1.9	600	0.3
3.2	150	0.0001
3.8	80	0.0001
4.5	45	0.0001
5.1	26	0.0001
5.8	22	0.0001
6.4	23	0.0001
7	19	0.0001
7.7	22	0.0001
8.3	17	0.0001
10	10	0.0001
11	12	0.0001
11.5	9	0.0001
12	10	0.0001
13	8.5	0.0001

Peak	3000	4
SS Value	26	0
SS % Pk	1%	0%



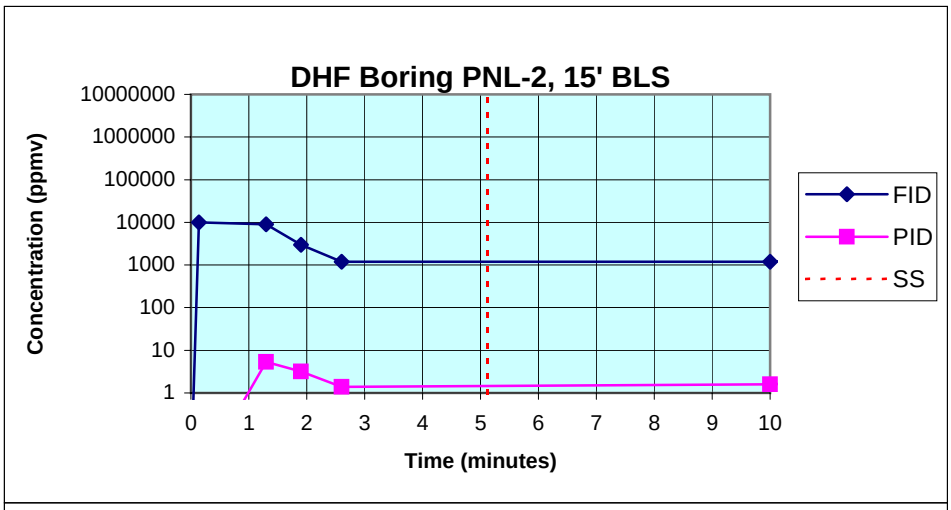


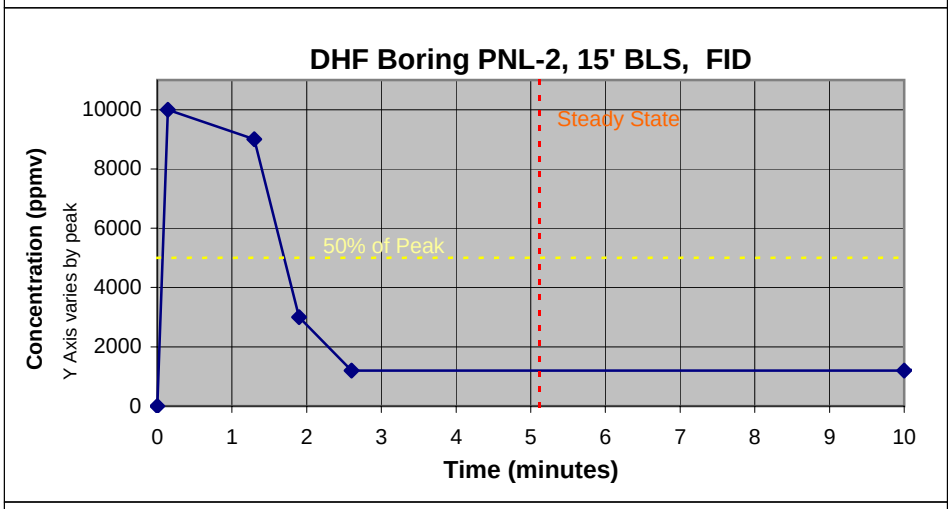


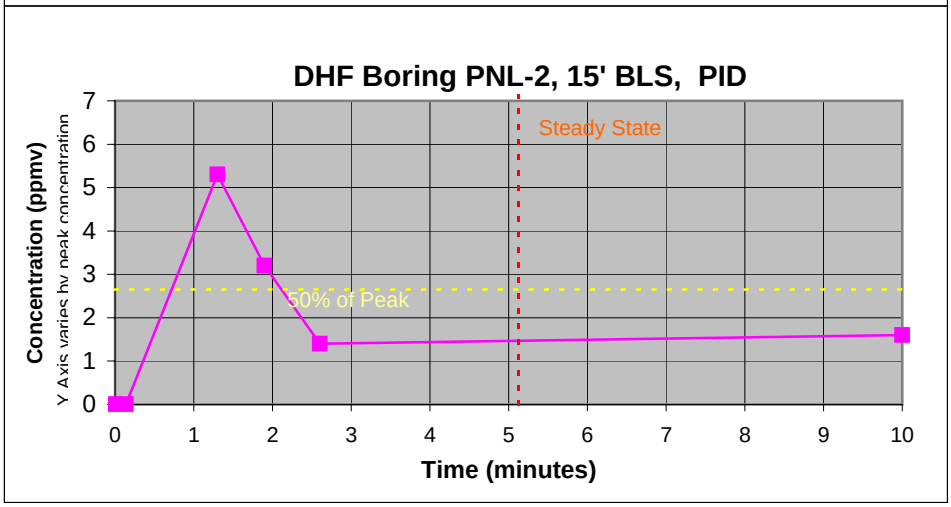
PNL-2-15'

TIME	FID	PID
0.00	0.01	0.01
0.14	10000.0	0.01
1.3	9000.0	5.3
1.9	3000	3.2
2.6	1200	1.4
10	1200	1.6
11.5	1500	1.9
12	500	0.7
13	200	0.1
13.5	100	0.1
14	33	0.01
14.5	10	0.01
15	8.5	0.01

Peak	10000	5
SS Value	1000	0
SS % Pk	10%	0%



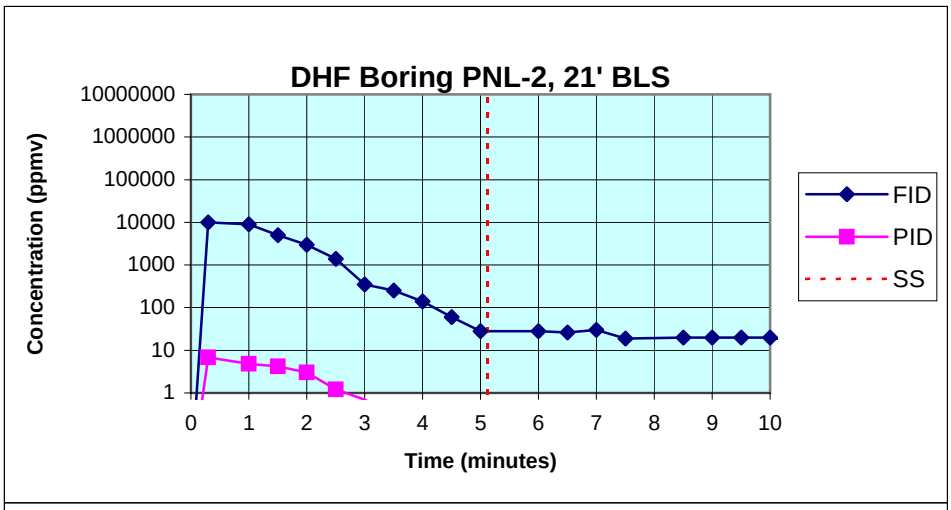


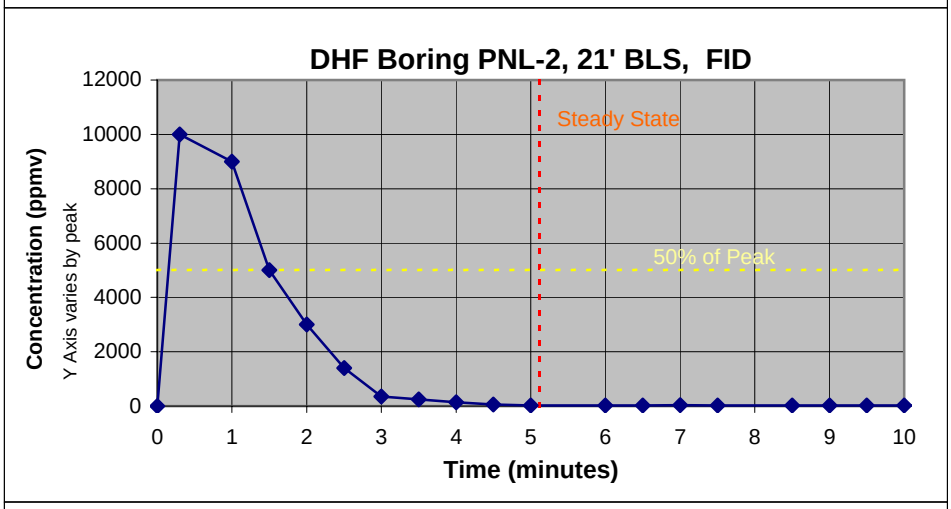


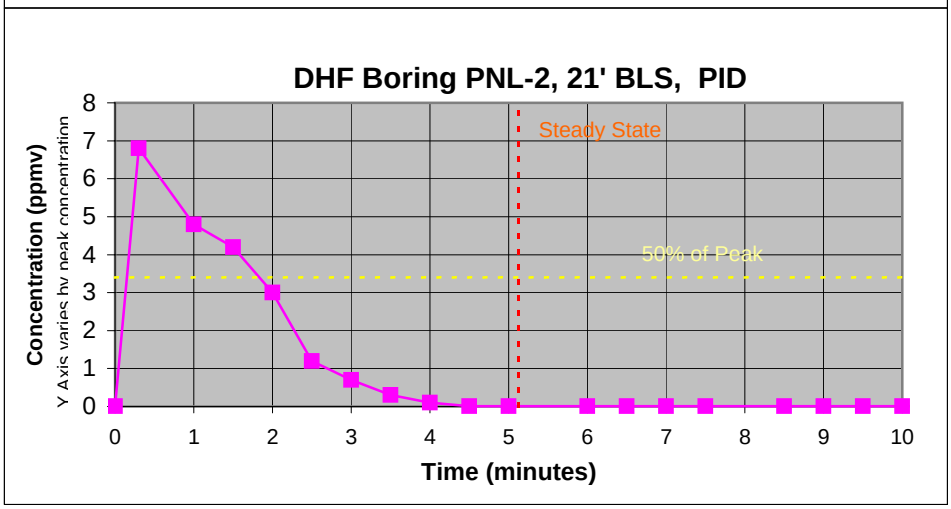
PNL-2-21'

TIME	FID	PID
0.00	0.01	0.01
0.3	10,000	6.8
1	9000.0	4.8
1.5	5000.0	4.2
2	3000	3.0
2.5	1400	1.2
3	350	0.7
3.5	250	0.3
4	140	0.1
4.5	60	0.01
5	28	0.01
6	28	0.01
6.5	26	0.01
7	30	0.01
7.5	19	0.01
8.5	20	0.01
9	20	0.01
9.5	20	0.01
10	20	0.01
10.5	16	0.01
11	16	0.01
11.5	14	0.01
12	16	0.01
12.5	16	0.01
13	13	0.01

Peak	10000	7
SS Value	28	0
SS % Pk	0%	0%

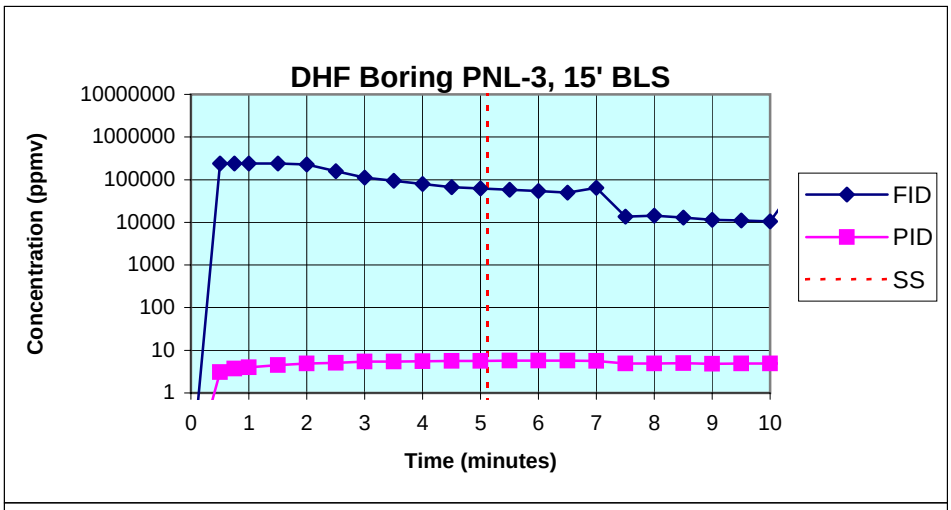


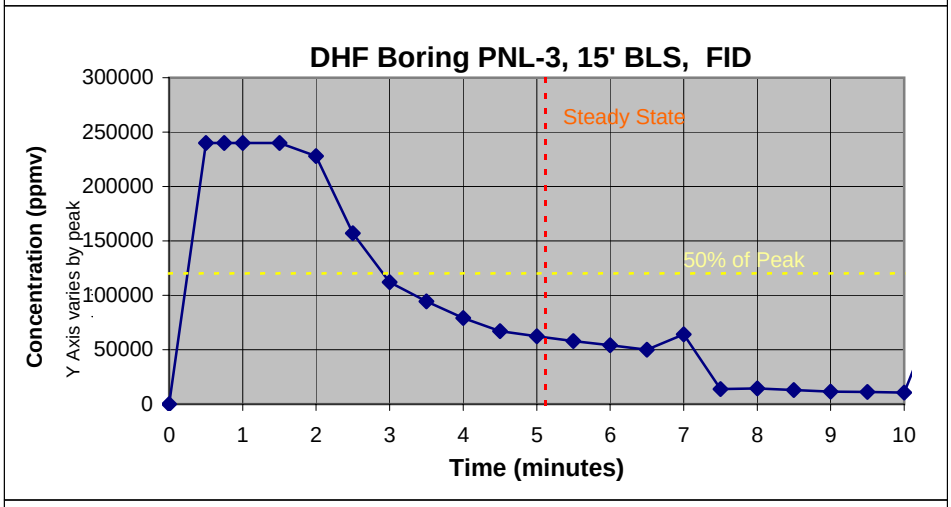


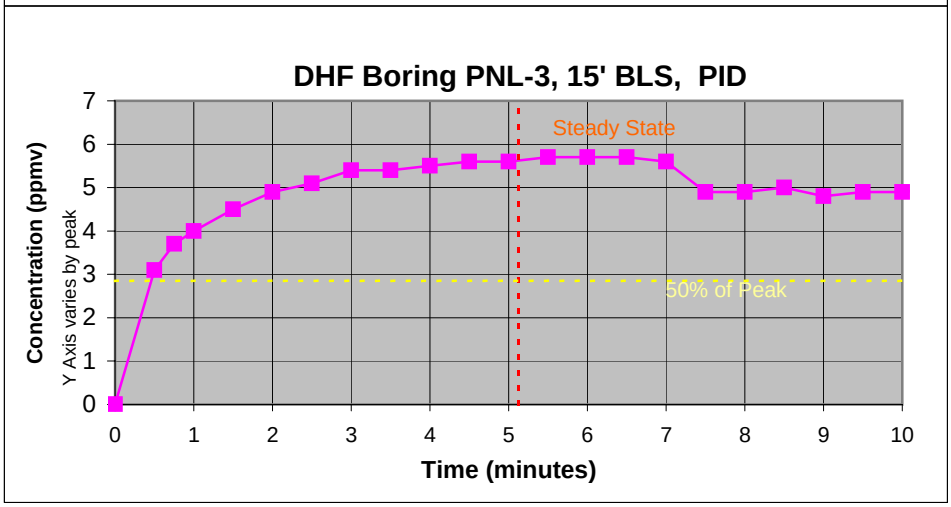


PNL-3-15'

TIME	FID	PID
0.00	0.01	0.01
0.5	240,000	3.1
0.75	240000.0	3.7
1	240000.0	4
1.5	240000	4.5
2	228000	4.9
2.5	157000	5.1
3	112000	5.4
3.5	94400	5.4
4	79000	5.5
4.5	67000	5.6
5	62400	5.6
5.5	58000	5.7
6	54000	5.7
6.5	50000	5.7
7	64000	5.6
7.5	13700	4.9
8	14300	4.9
8.5	12900	5
9	11500	4.8
9.5	11100	4.9
10	10500	4.9
10.5	95000	5
11	79000	5.2
11.5	70000	5.3
12	68000	5.3
12.5	68000	5.3
13	78000	5.2
13.5	81000	5.1
Peak	240000	6
SS Value	62400	5.6
SS % Pk	26%	98%



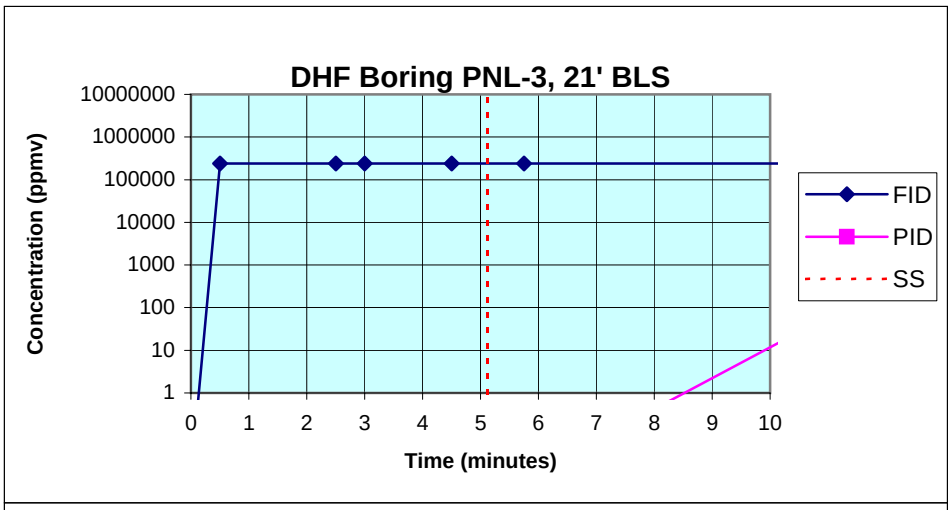


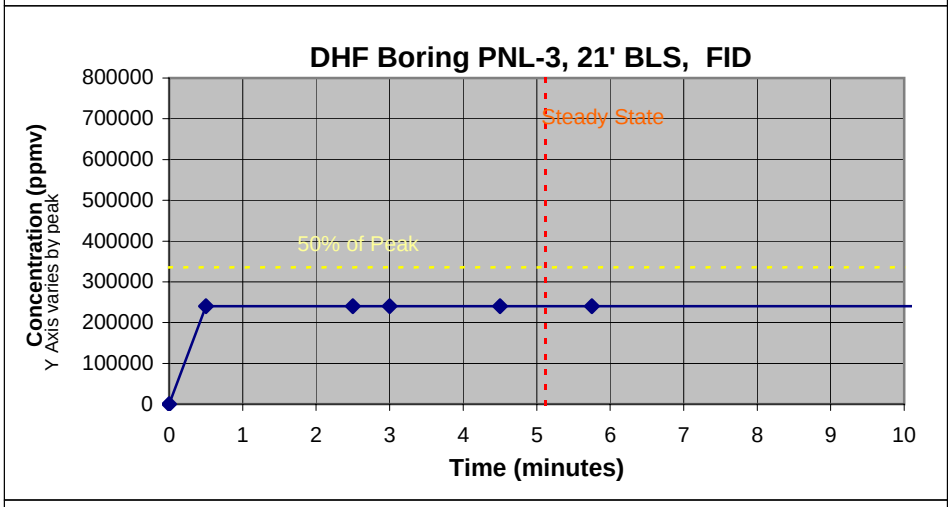


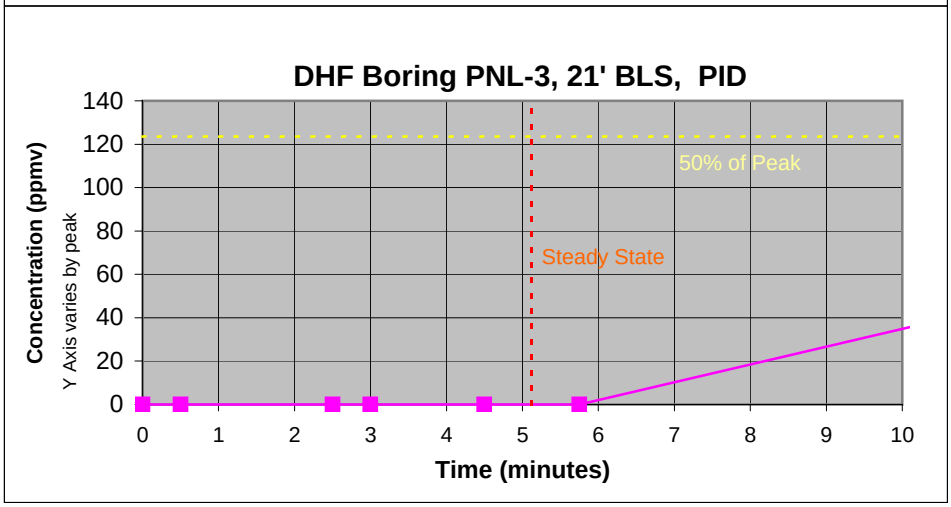
PNL-3-21'

TIME	FID	PID
0.00	0.01	0.01
0.5	240000	0.01
2.5	240000	0.01
3	240000	0.01
4.5	240000	0.01
5.75	240000	0.01
10.75	240000	41
12.25	670000	100
13	610000	103
15	170000	134
15.5	150000	133
16	140000	128
17.25	80000	132
18	66480	125
19	57310	113
19.5	52100	247
20	32000	135
20.5	175000	135
21	240000	97
22	63500	87
22.5	64700	85
23	65000	78
23.25	240000	17.6
24	240000	13
24.25	240000	11.9

Peak	670000	247
SS Value	240000	100
SS % Pk	36%	40%



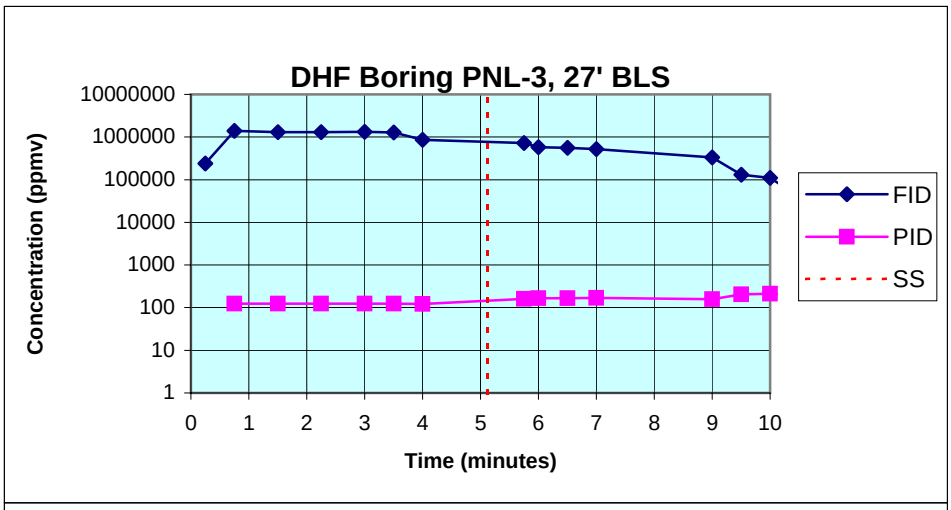


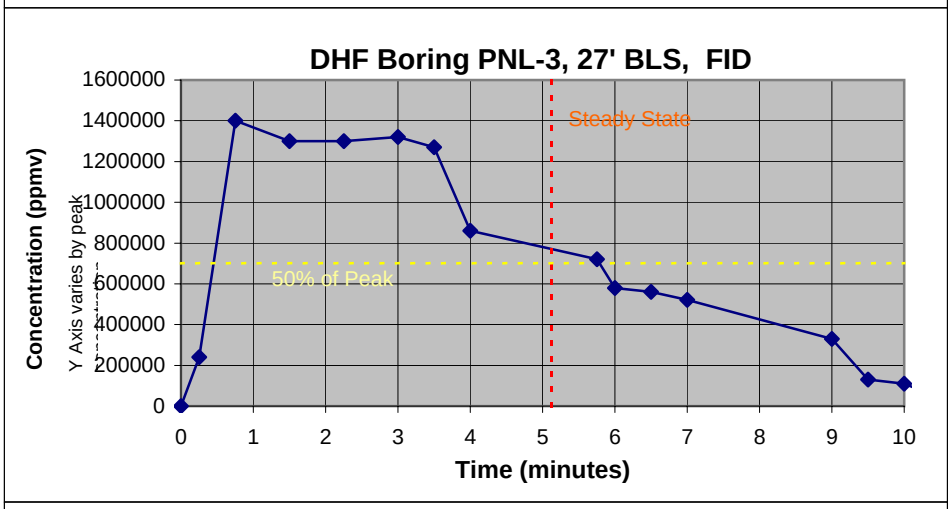


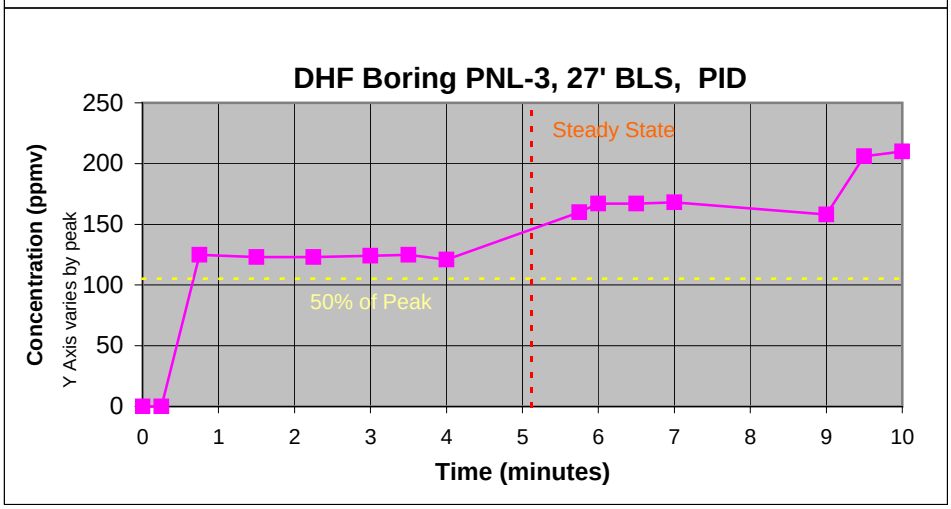
PNL-3-27'

TIME	FID	PID
0.00	0	0
0.25	240000	0
0.75	1400000	125
1.5	1300000	123
2.25	1300000	123
3	1320000	124
3.5	1270000	125
4	860000	121
5.75	720000	160
6	580000	167
6.5	560000	167
7	521000	168
9	330000	158
9.5	130000	206
10	110000	210
10.5	40000	210
12	11000	74
12.5	10000	74
13.5	7600	68

Peak	1400000	210
SS Value	720000	160
SS % Pk	51%	76%



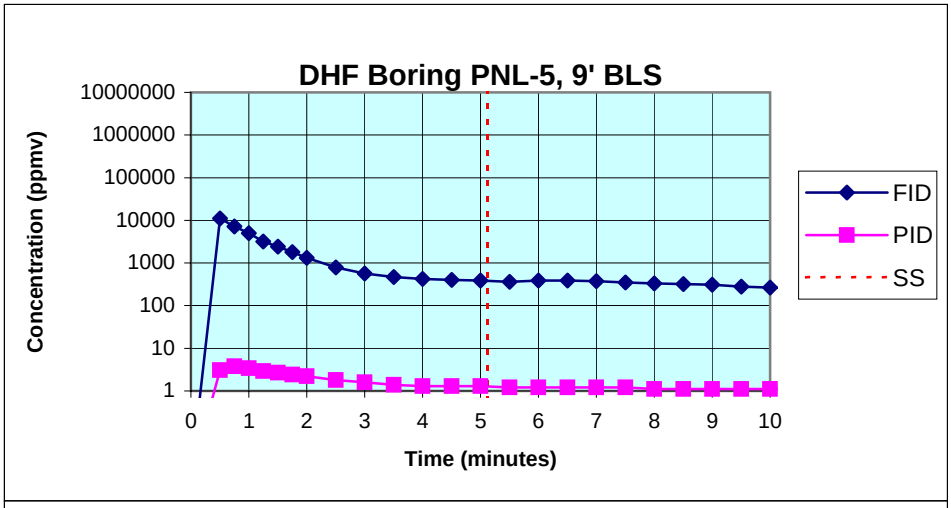


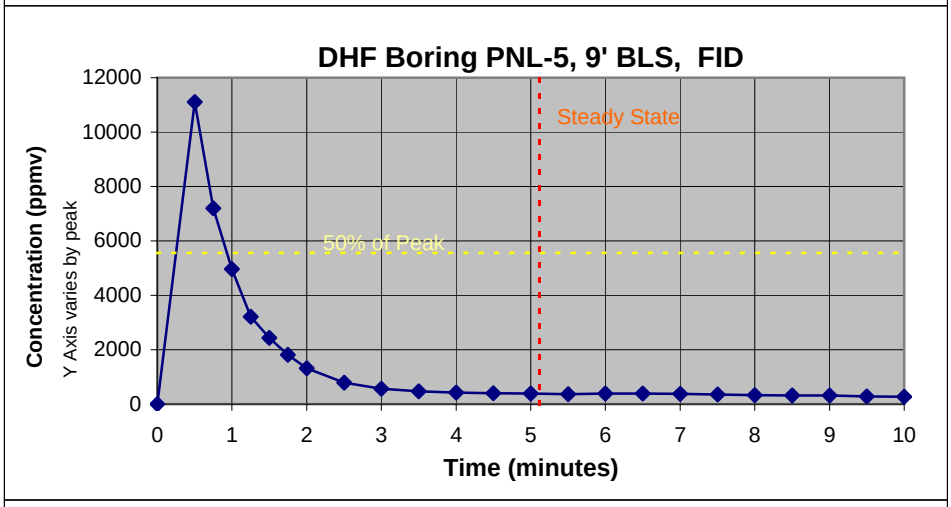


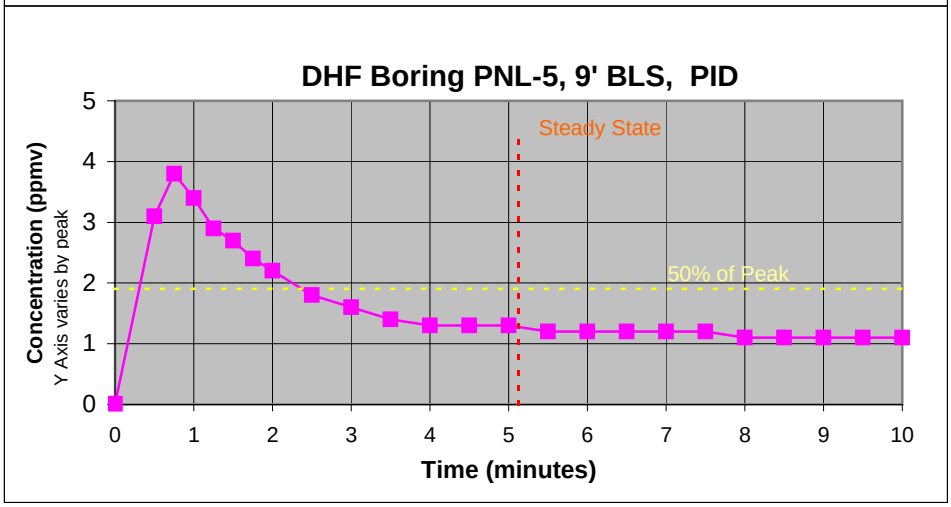
PNL-5-9'

TIME	FID	PID
0.00	0.01	0.01
0.5	11100.0	3.1
0.75	7200.0	3.8
1	4966.0	3.4
1.25	3209	2.9
1.5	2430	2.7
1.75	1810	2.4
2	1312	2.2
2.5	792	1.8
3	562	1.6
3.5	471	1.4
4	423	1.3
4.5	400	1.3
5	390	1.3
5.5	364	1.2
6	388	1.2
6.5	388	1.2
7	372	1.2
7.5	349	1.2
8	334	1.1
8.5	321	1.1
9	312	1.1
9.5	277	1.1
10	267	1.1
10.5	258	1.1
11	252	1.1

Peak	11100	4
SS Value	390	1.3
SS % Pk	4%	34%

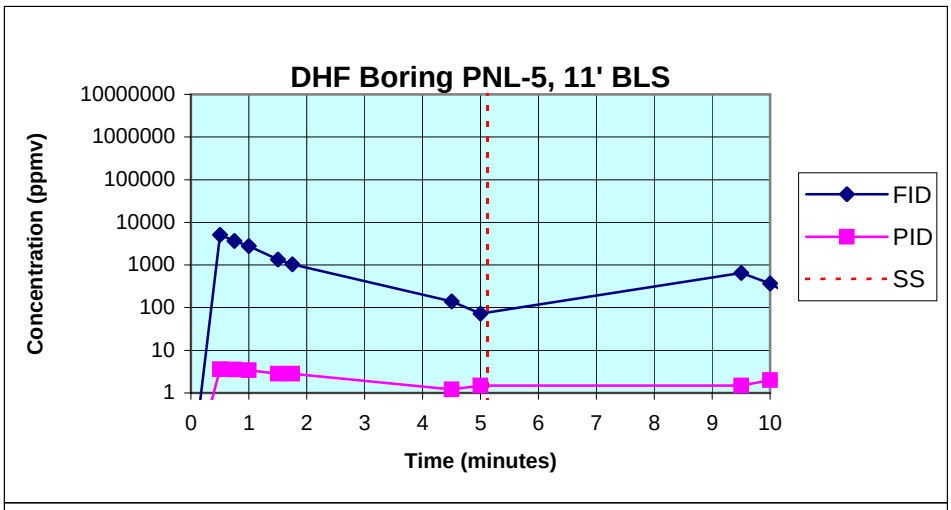


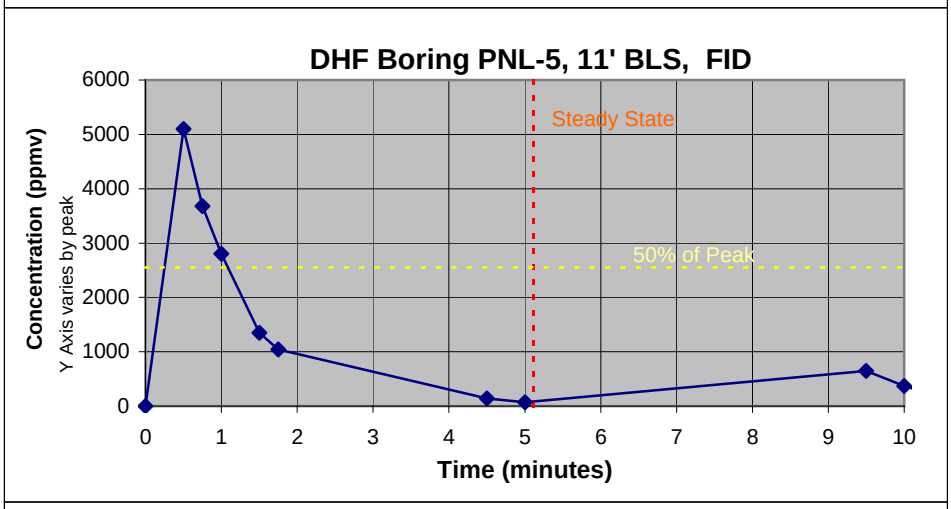


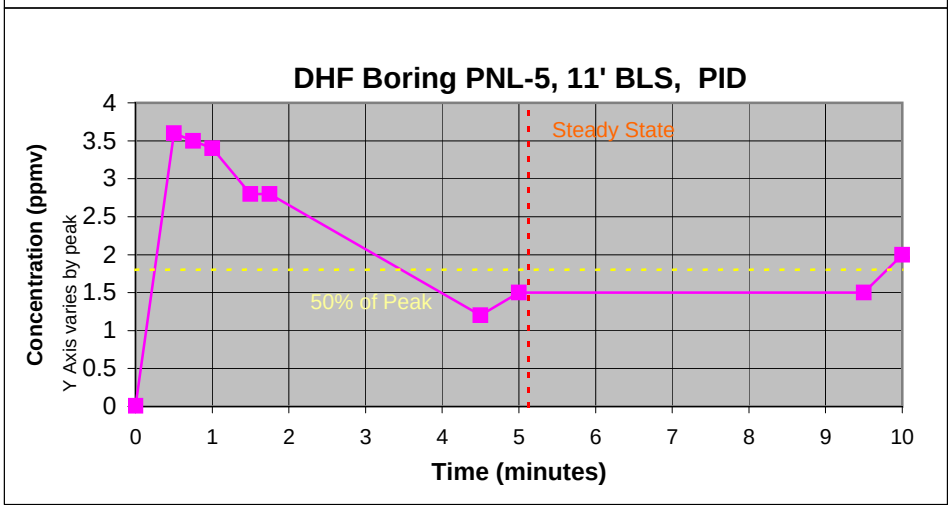


PNL-5-11'

TIME	FID	PID
0.00	0.01	0.01
0.5	5100	3.6
0.75	3683	3.5
1	2801	3.4
1.5	1350	2.8
1.75	1044	2.8
4.5	139	1.2
5	72	1.5
9.5	650	1.5
10	370	2
10.5	151	1.8
11	101	1.8
11.5	102	1.8
12	107	1.8
12.5	108	1.8
13	102	1.8
13.5	98	1.8
14	92	1.8
Peak	5100	4
SS Value	72	1.5
SS % Pk	1%	42%



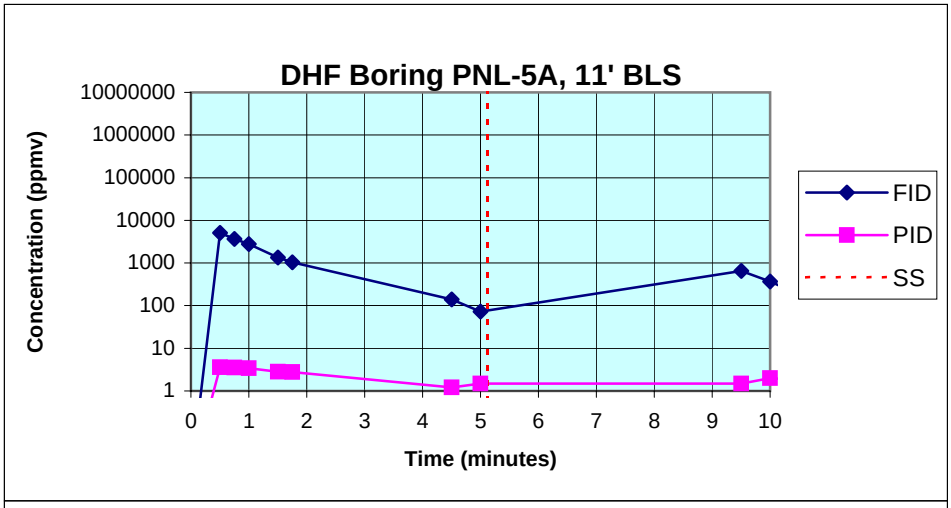


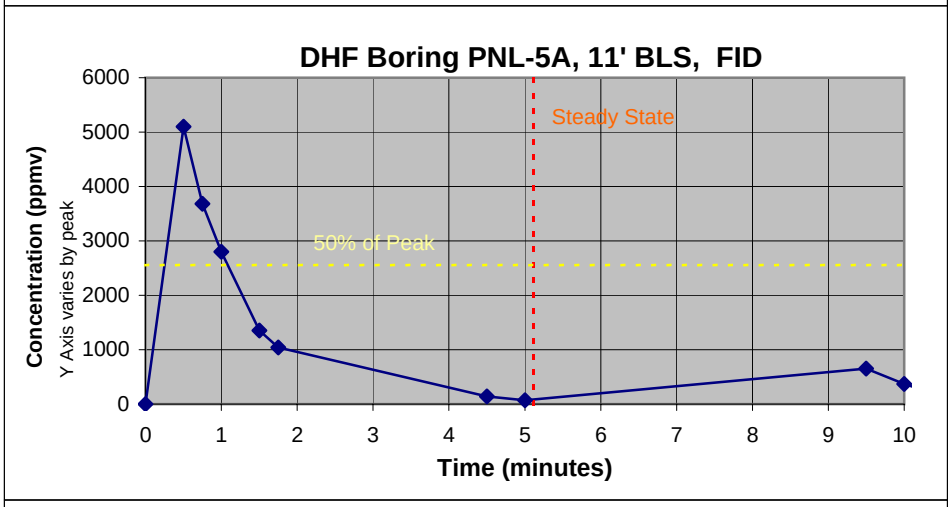


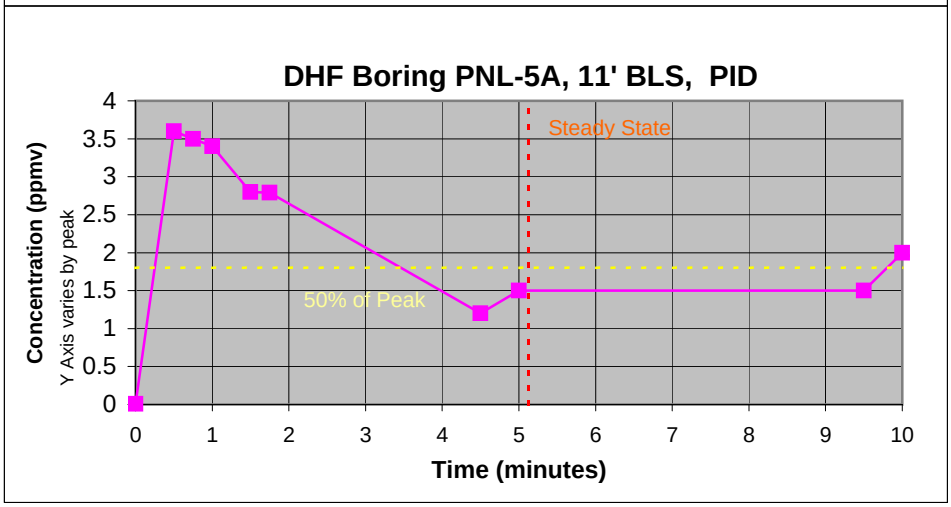
PNL-5A-11'

TIME	FID	PID
0.00	0.01	0.01
0.5	5100	3.6
0.75	3683	3.5
1	2801	3.4
1.5	1350	2.8
1.75	1044	2.79
4.5	139	1.2
5	72	1.5
9.5	650	1.5
10	370	2
10.25	260	1.9
10.5	151	1.8
10.75	114	1.8
11	101	1.8
11.25	99	1.8
11.5	102	1.8
11.75	105	1.8
12	107	1.8
12.25	108	1.8
12.5	108	1.8
12.75	106	1.8
13	102	1.8
13.25	100	1.8
13.5	98	1.8
13.75	95	1.8
14	92	1.8

Peak	5100	4
SS Value	72	1.5
SS % Pk	1%	42%

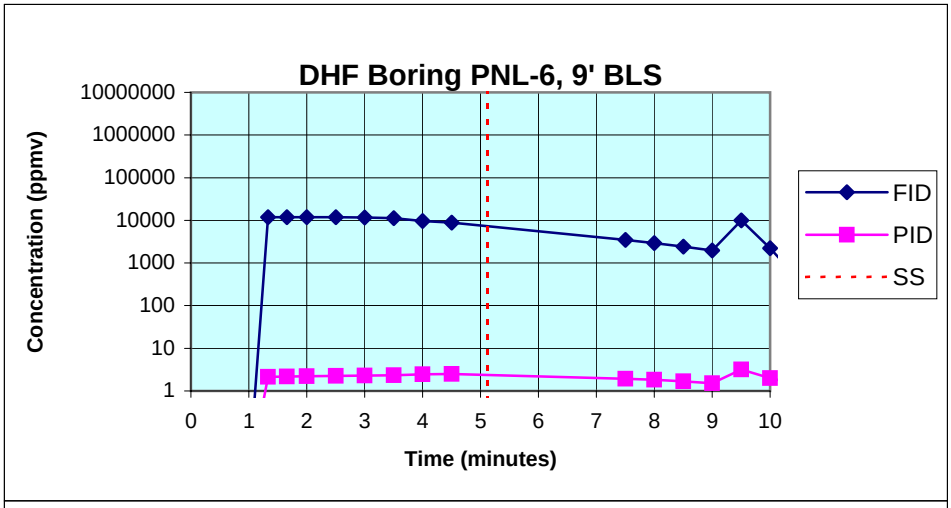


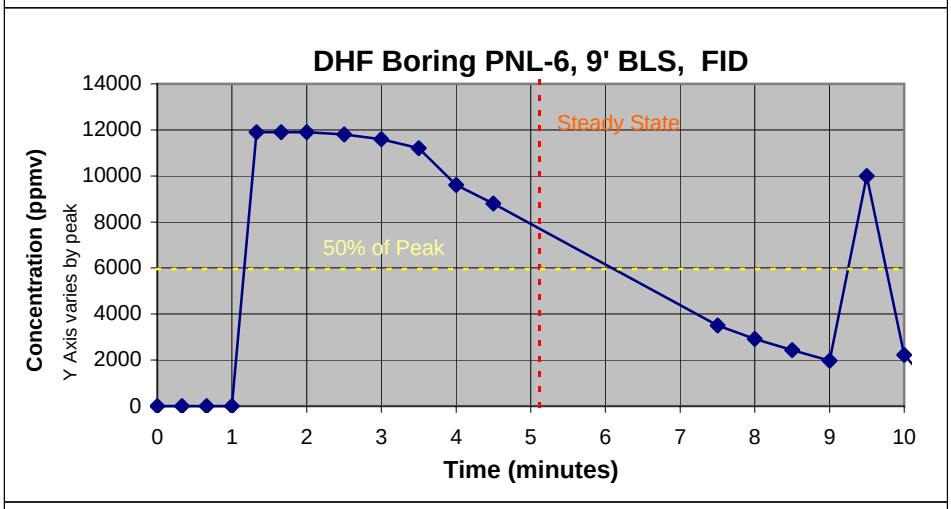


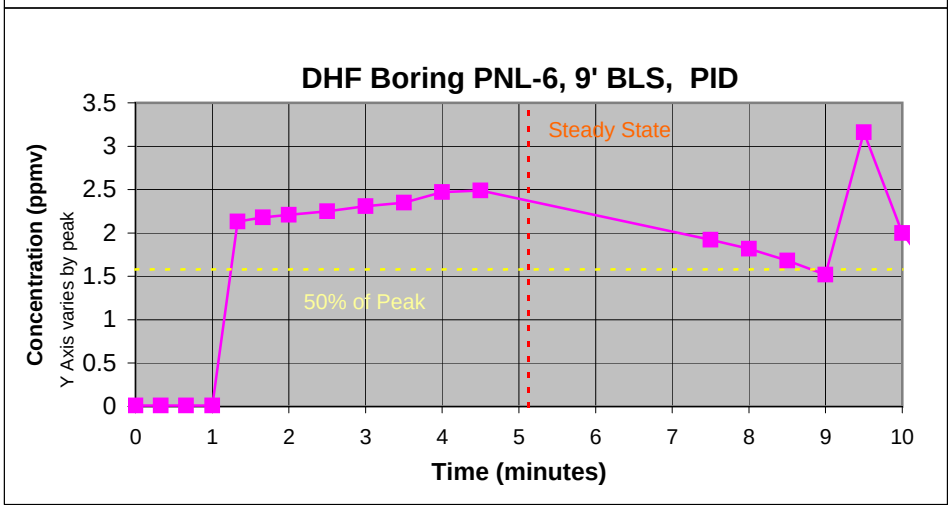


PNL-6-9'

TIME	FID	PID
0.00	0.01	0.01
0.33	0.01	0.01
0.66	0.01	0.01
1	0.01	0.01
1.33	11900.0	2.13
1.66	11900	2.18
2	11900	2.21
2.5	11800	2.25
3	11600	2.31
3.5	11200	2.35
4	9600	2.47
4.5	8800	2.49
7.5	3500	1.92
8	2915	1.82
8.5	2430	1.68
9	1980	1.52
9.5	10000	3.16
10	2230	2
10.5	396	1.4
11	142	1.3
11.5	78	1.2
12	58	1.2
12.5	57	1.2
Peak	11900	3
SS Value	8800	2.49
SS % Pk	74%	79%

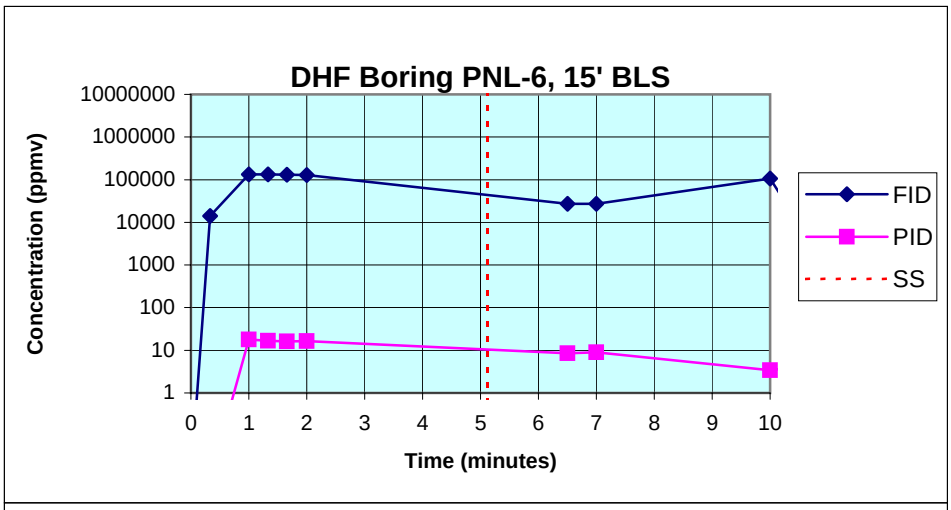


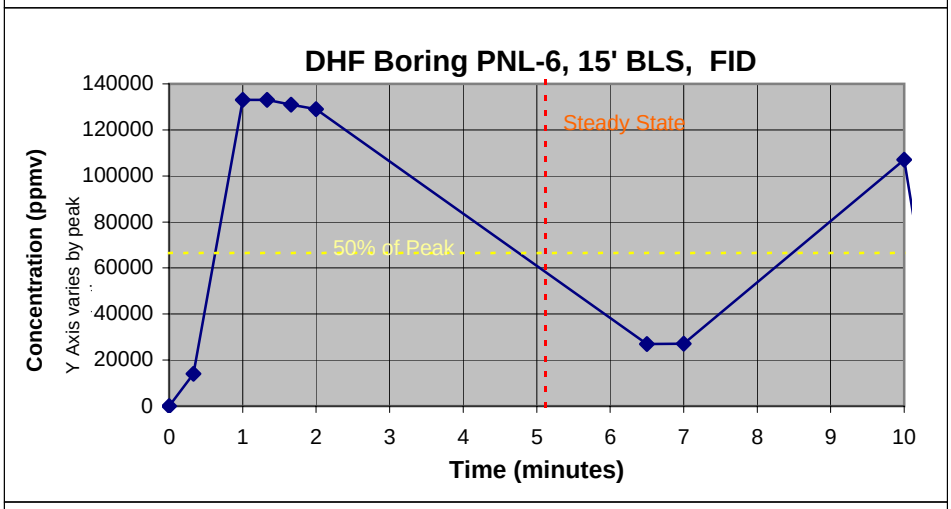


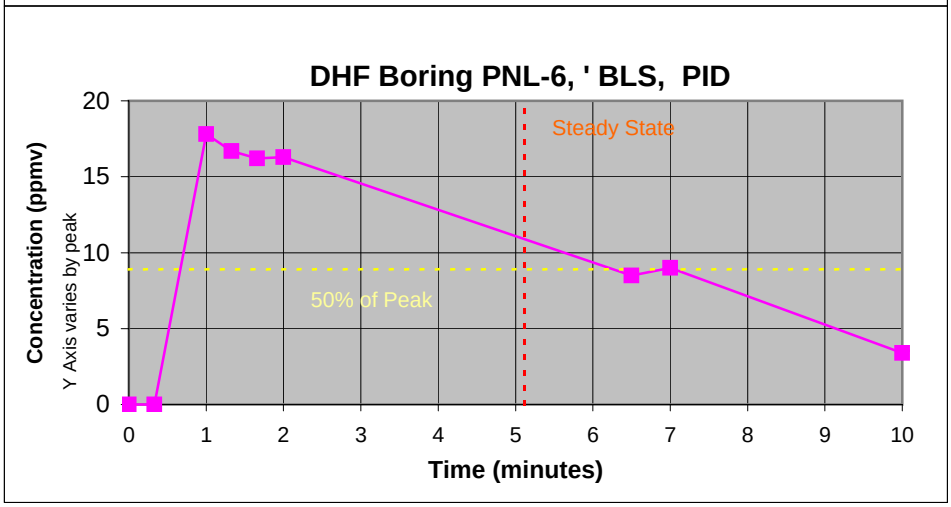


PNL-6-15'

TIME	FID	PID
0.00	0.01	0.01
0.33	14000.0	0.01
1	133000	17.8
1.33	133000	16.7
1.66	131000	16.2
2	129000	16.3
6.5	26940	8.5
7	27170	9
10	107000	3.4
10.5	9000	4.2
11	3300	3.6
11.5	550	2.8
12	140	2.2
12.5	81	1.9
13	75	1.7
13.5	66	1.5
Peak	133000	18
SS Value	60000	11
SS % Pk	45%	62%

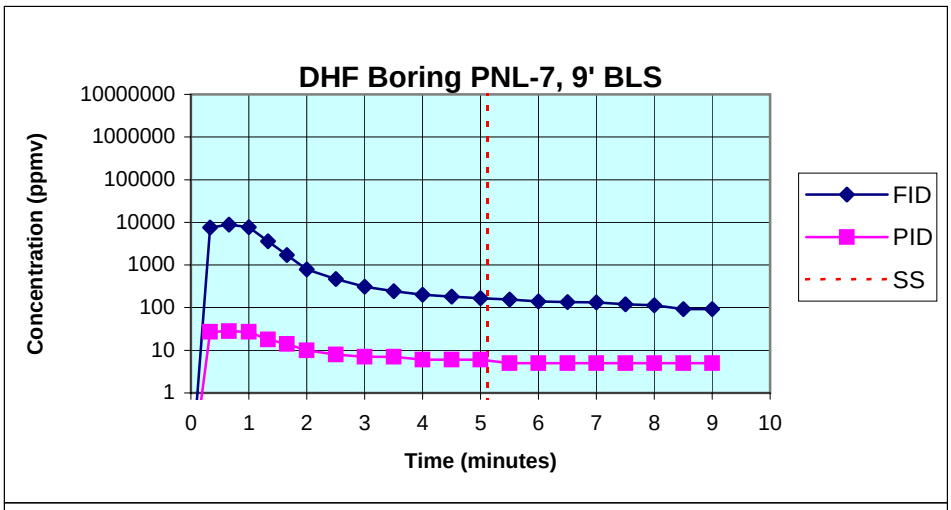


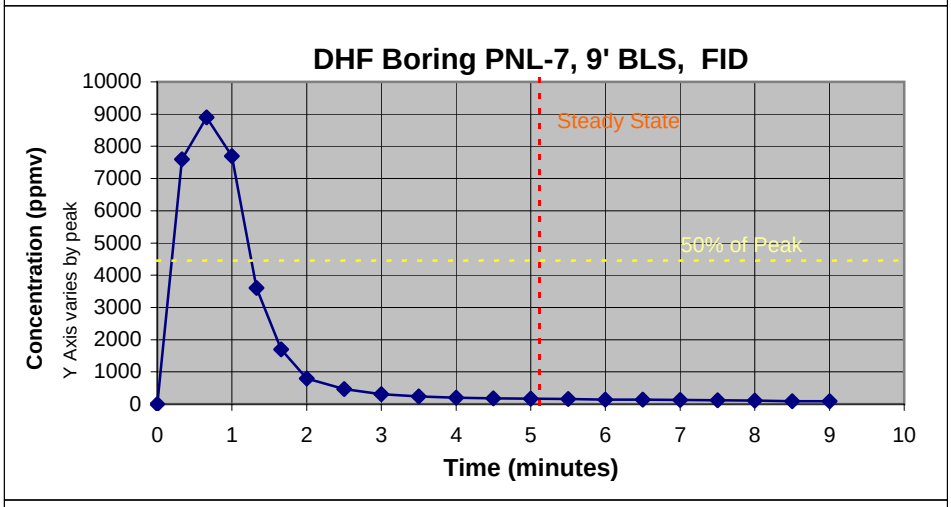


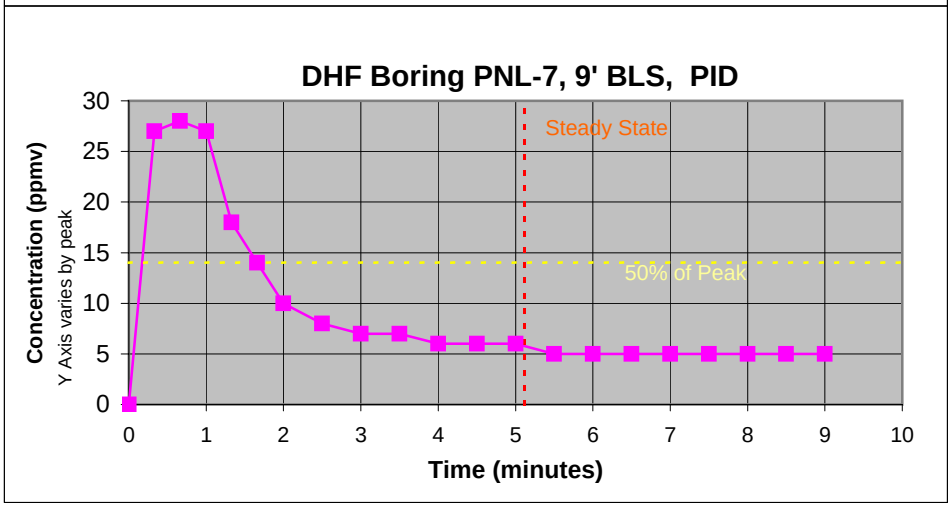


PNL-7-9'

TIME	FID	PID
0.00	0.01	0.01
0.33	7600	27
0.66	8900.0	28
1	7700.0	27
1.33	3600.0	18
1.66	1700	14
2	790	10
2.5	470	8
3	307	7
3.5	242	7
4	202	6
4.5	180	6
5	165	6
5.5	154	5
6	140	5
6.5	135	5
7	132	5
7.5	120	5
8	113	5
8.5	93	5
9	92	5
Peak	8900	28
SS Value	165	6
SS % Pk	2%	21%

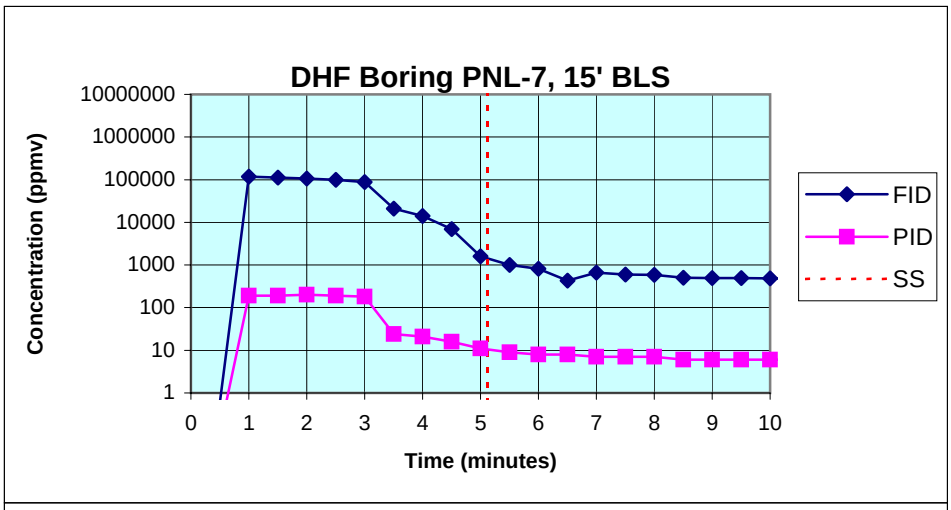


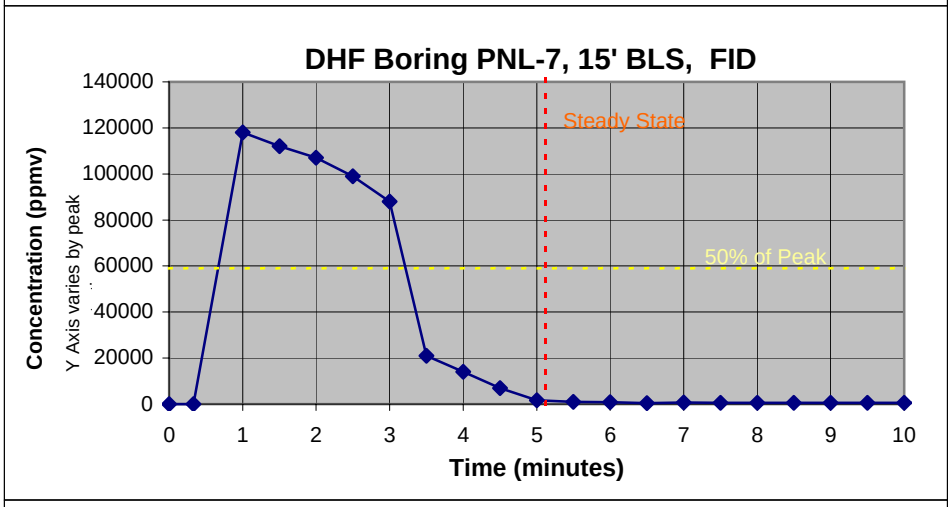


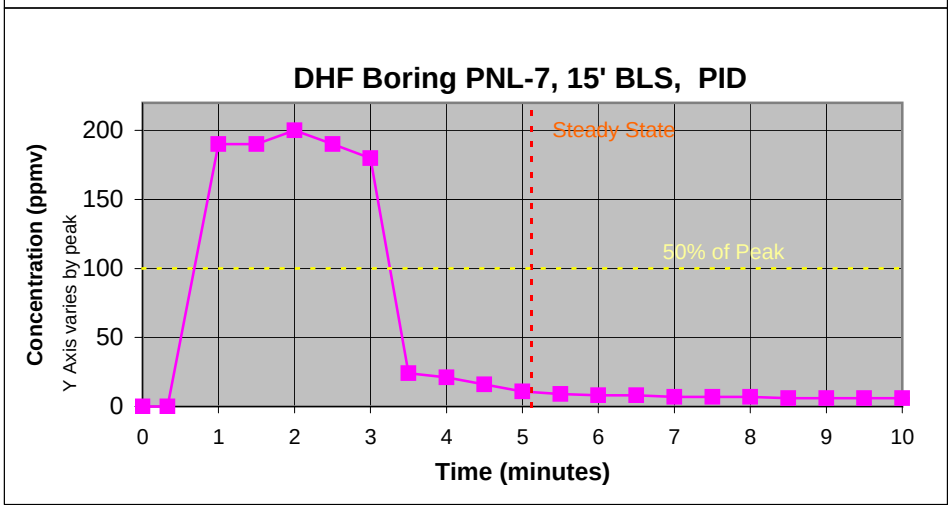


PNL-7-15'

TIME	FID	PID
0.00	0.01	0.01
0.33	0.01	0.01
1	118000.0	190
1.5	112000	190
2	107000	200
2.5	99000	190
3	88000	180
3.5	21000	24
4	14000	21
4.5	7000	16
5	1600	11
5.5	1003	9
6	820	8
6.5	430	8
7	660	7
7.5	596	7
8	590	7
8.5	503	6
9	496	6
9.5	492	6
10	487	6
10.5	481	6
11	473	6
Peak	118000	200
SS Value	1600	11
SS % Pk	1%	6%



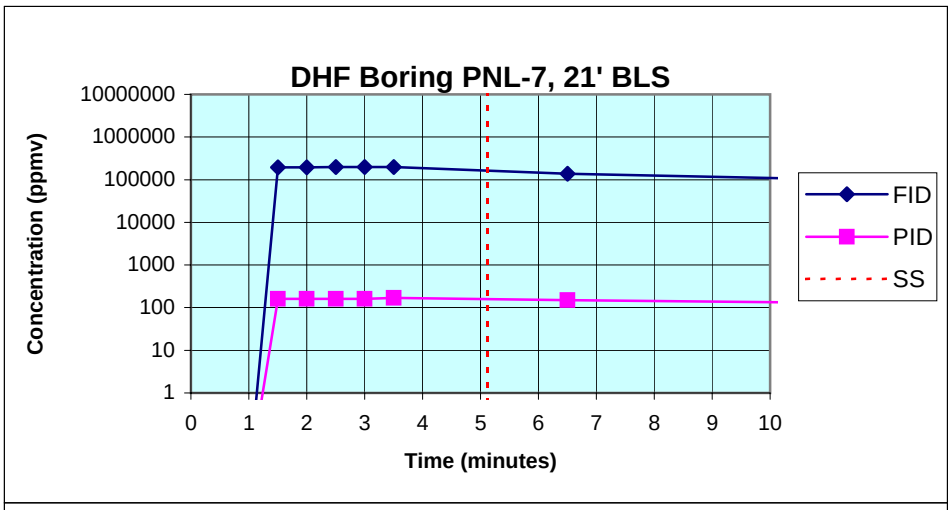


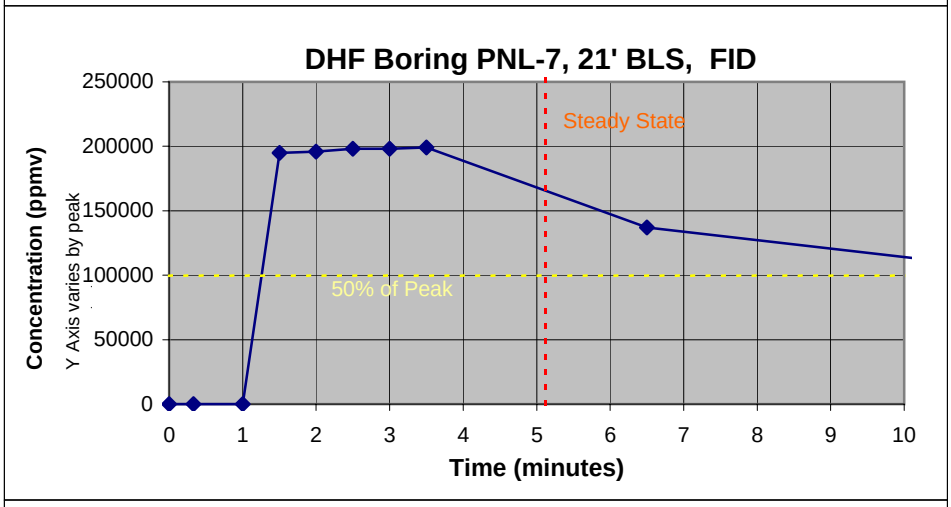


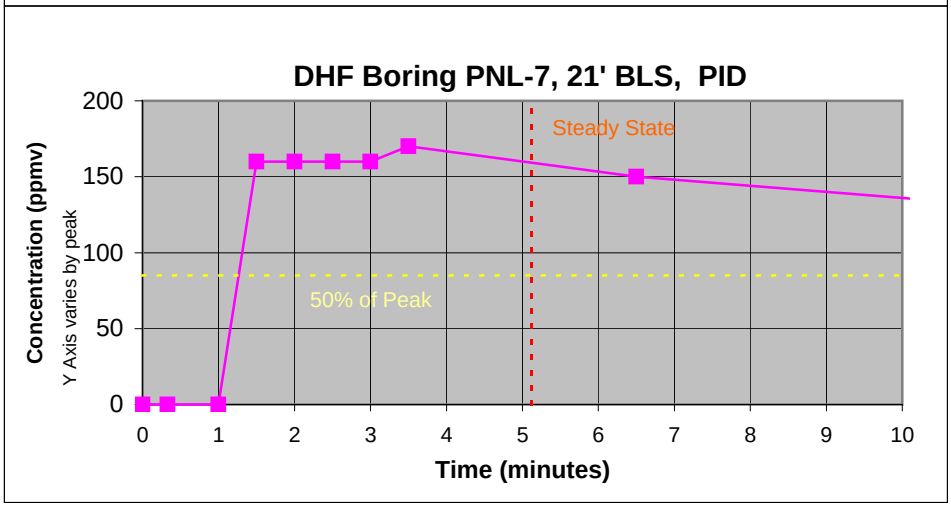
PNL-7-21'

TIME	FID	PID
0.00	0.01	0.01
0.33	0.01	0.01
1	0.01	0.01
1.5	195000	160
2	196000	160
2.5	198000	160
3	198000	160
3.5	199000	170
6.5	137000	150
16.5	71600	110
17.5	74820	130
18	74600	130
19.5	82900	130
20	82050	130
20.5	81750	130

Peak	199000	170
SS Value	160000	160
SS % Pk	80%	94%



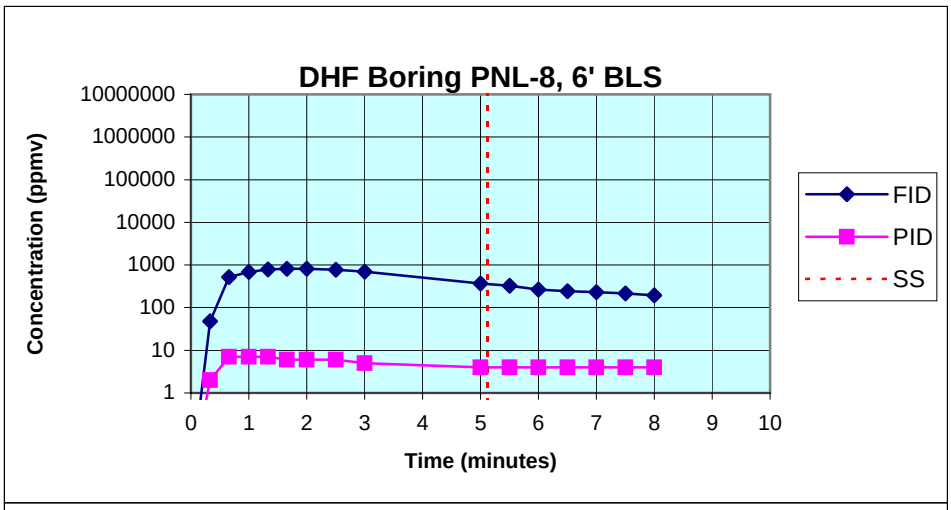


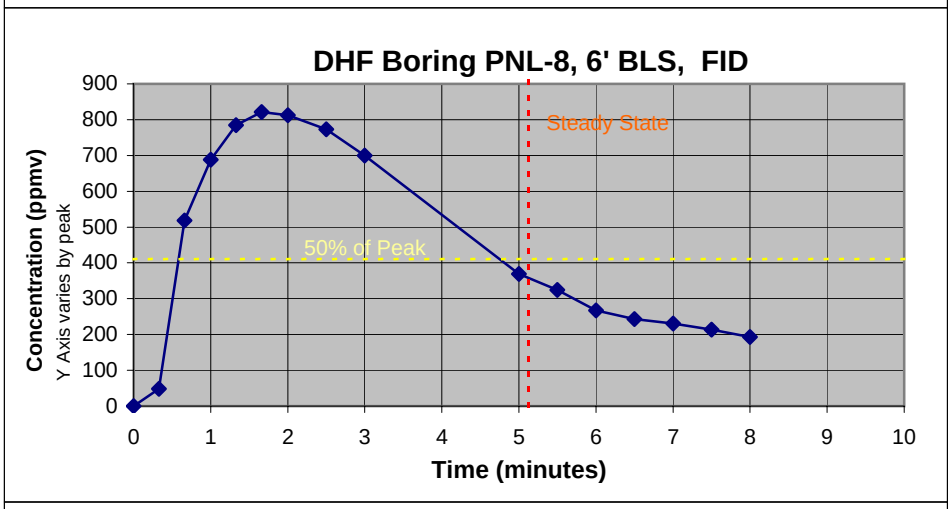


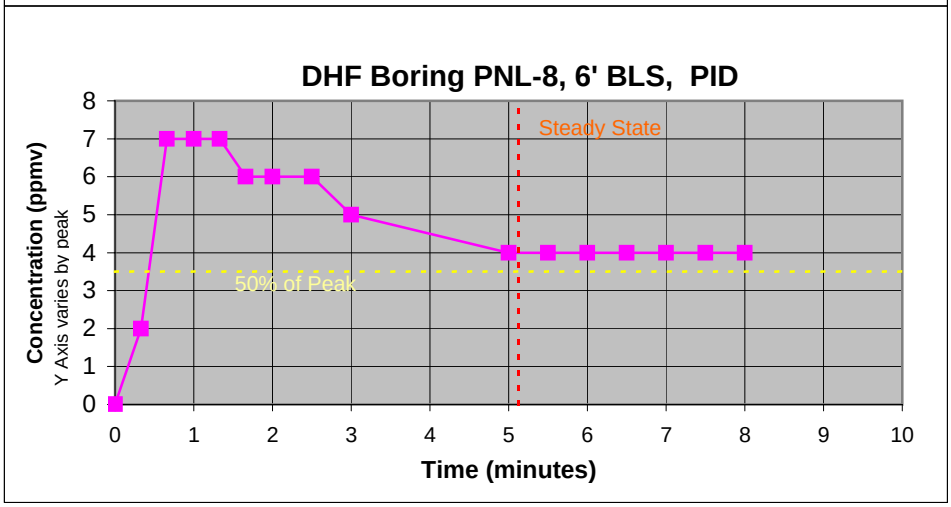
PNL-8-6'

TIME	FID	PID
0.00	0.01	0.01
0.33	48	2
0.66	518.0	7
1	688.0	7
1.33	785.0	7
1.66	821	6
2	812	6
2.5	773	6
3	700	5
5	369	4
5.5	324	4
6	267	4
6.5	243	4
7	231	4
7.5	214	4
8	193	4

Peak	821	7
SS Value	369	4
SS % Pk	45%	57%

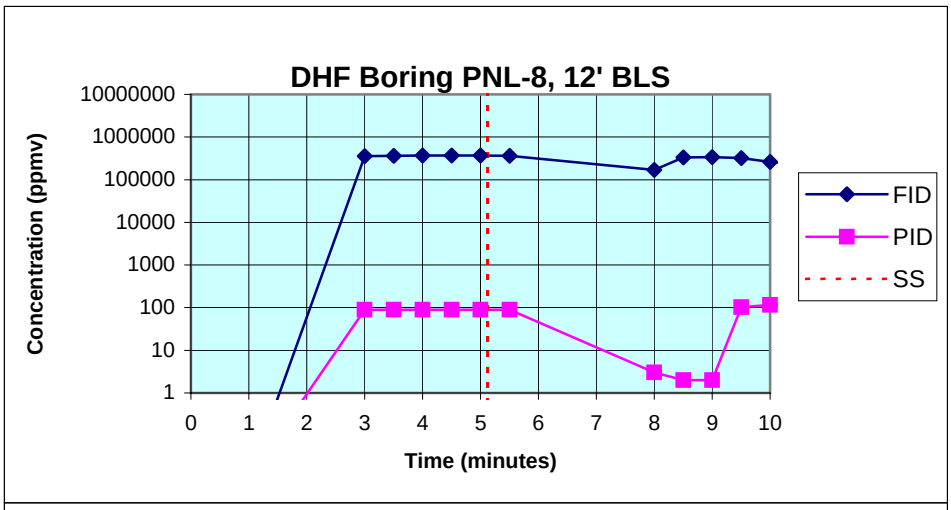


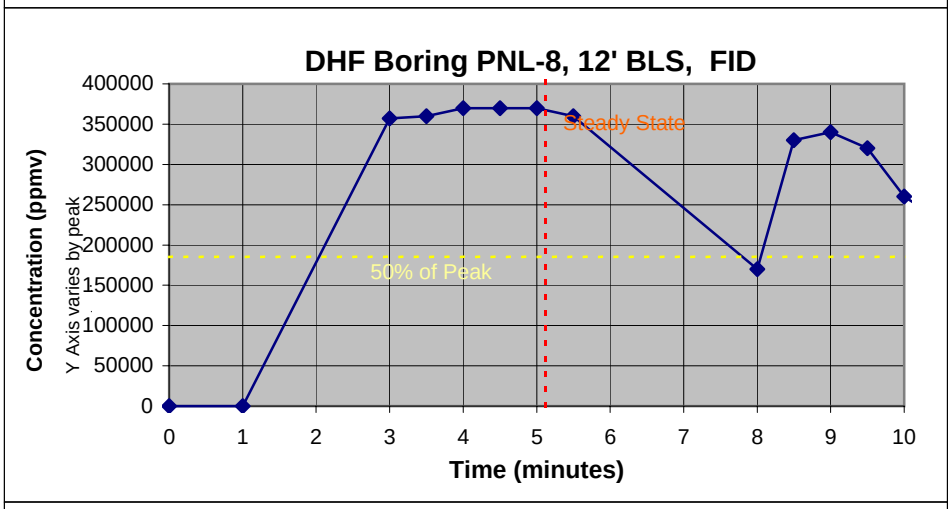


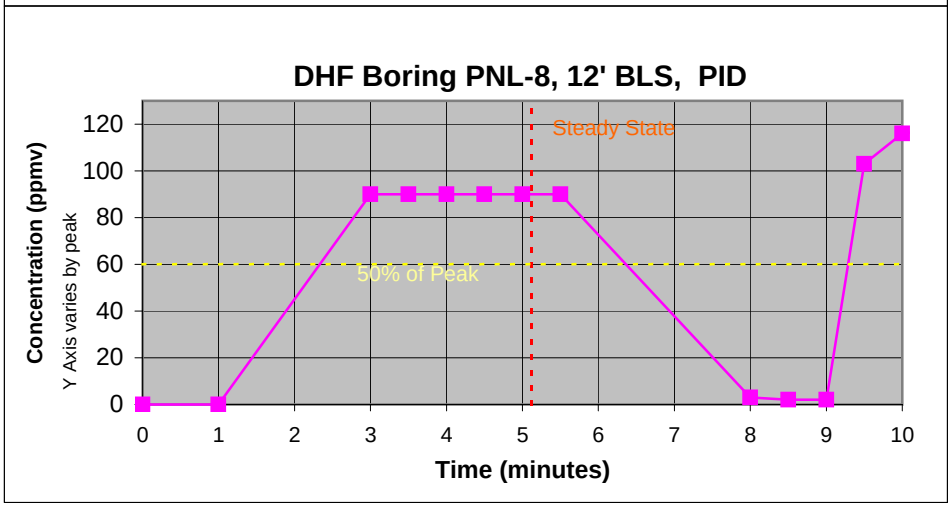


PNL-8-12'

TIME	FID	PID
0.00	0.01	0.01
1	0.0	0.01
3	357000	90
3.5	360000	90
4	370000	90
4.5	370000	90
5	370000	90
5.5	360000	90
8	170000	3
8.5	330000	2
9	340000	2
9.5	320000	103
10	260000	116
11	200000	120
11.5	190000	120
12	190000	120
12.5	180000	120
13	180000	120
13.5	170000	120
14	160000	120
14.5	150000	120
Peak	370000	120
SS Value	370000	90
SS % Pk	100%	75%

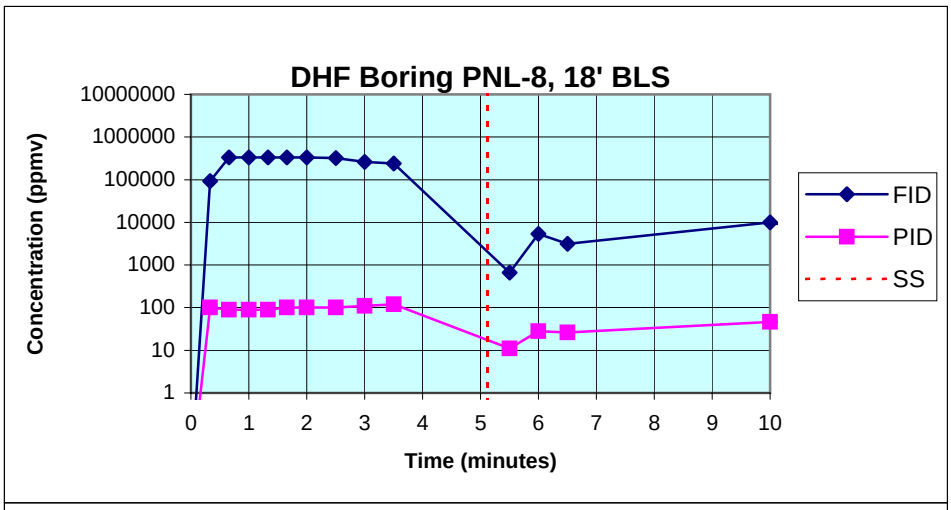


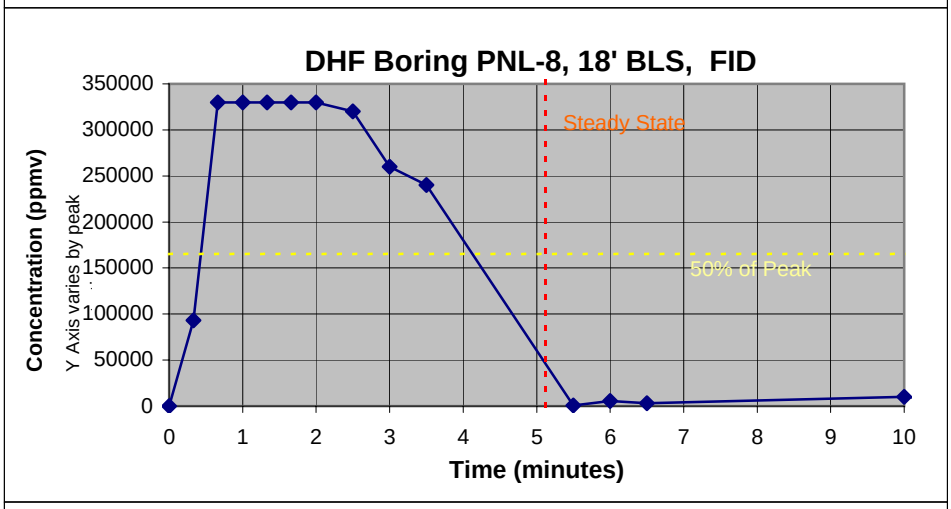


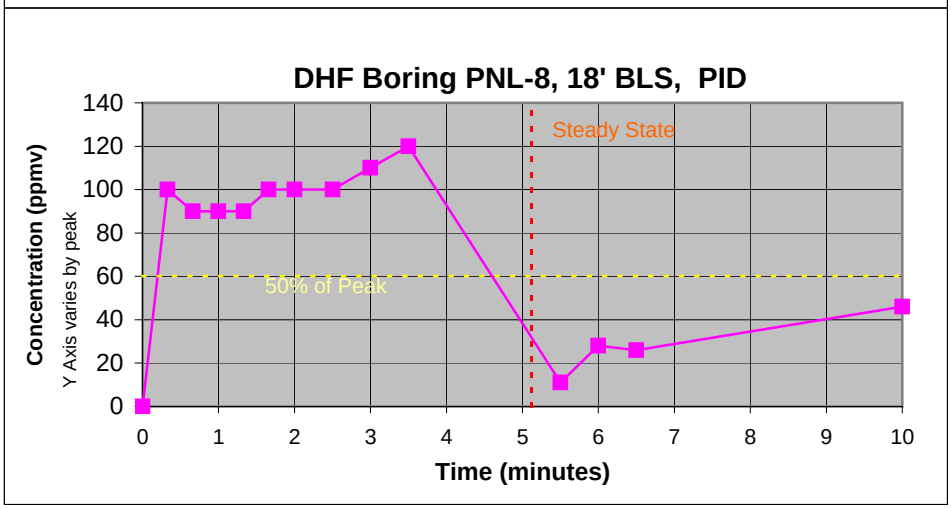


PNL-8-18'

TIME	FID	PID
0.00	0.01	0.01
0.33	93000	100
0.66	330000	90
1	330000	90
1.33	330000	90
1.66	330000	100
2	330000	100
2.5	320000	100
3	260000	110
3.5	240000	120
5.5	660	11
6	5400	28
6.5	3121	26
10	10000	46
10.5	7314	46
11	4032	42
11.5	2920	41
12	2612	40
12.5	2105	38
13	1802	36
13.5	1520	36
14	1335	35
14.5	1230	35
15	1103	33
Peak	330000	120
SS Value	50000	35
SS % Pk	15%	29%



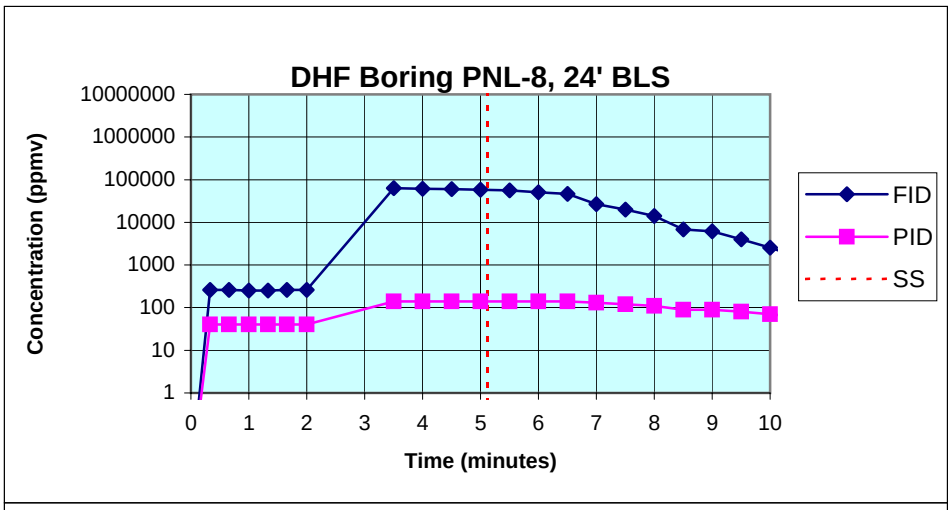


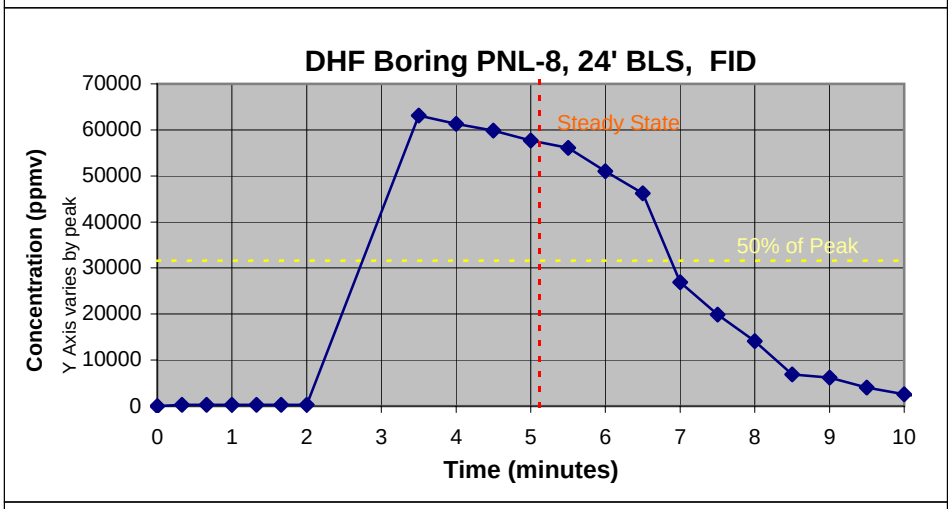


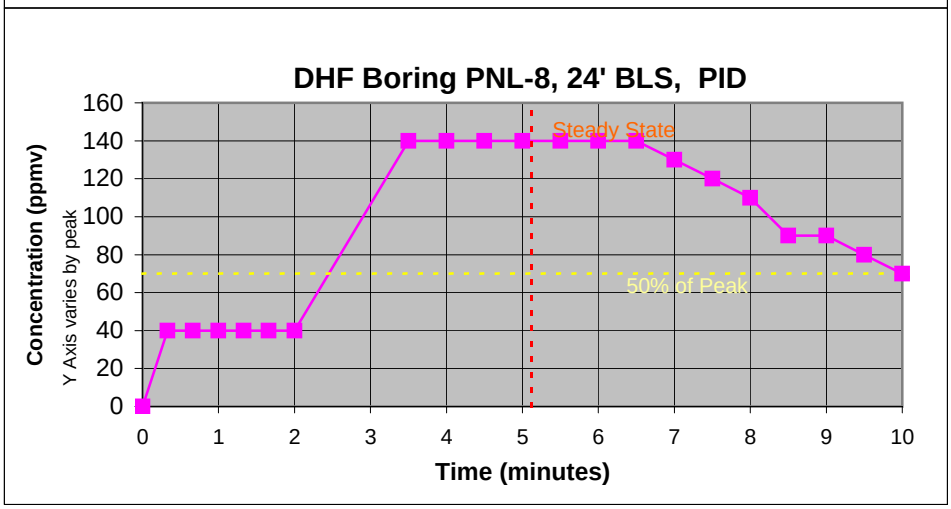
PNL-8-24'

TIME	FID	PID
0.00	0.01	0.01
0.33	260	40
0.66	260	40
1	250	40
1.33	250	40
1.66	260	40
2	260	40
3.5	63100	140
4	61320	140
4.5	59830	140
5	57700	140
5.5	56110	140
6	51000	140
6.5	46200	140
7	26900	130
7.5	19900	120
8	14100	110
8.5	6880	90
9	6200	90
9.5	4000	80
10	2560	70
10.5	1530	60
11	1200	60

Peak	63100	140
SS Value	57700	140
SS % Pk	91%	100%

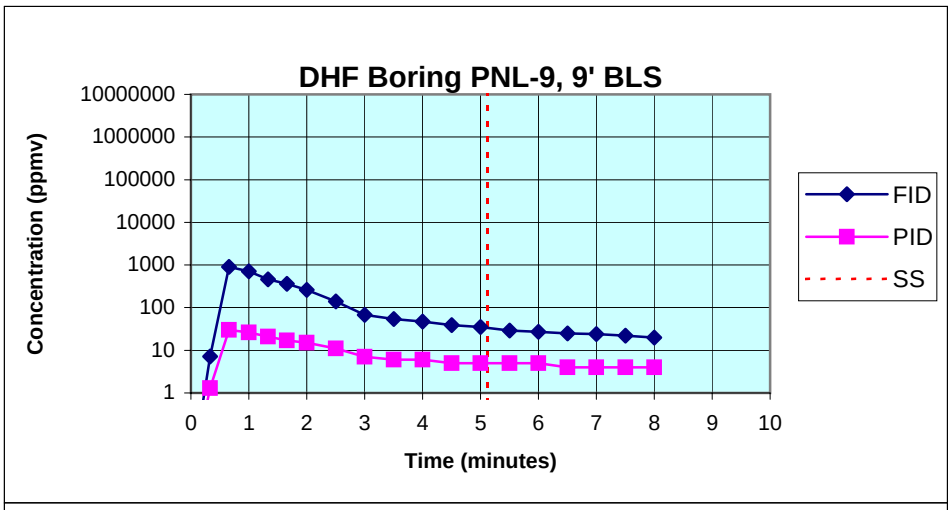


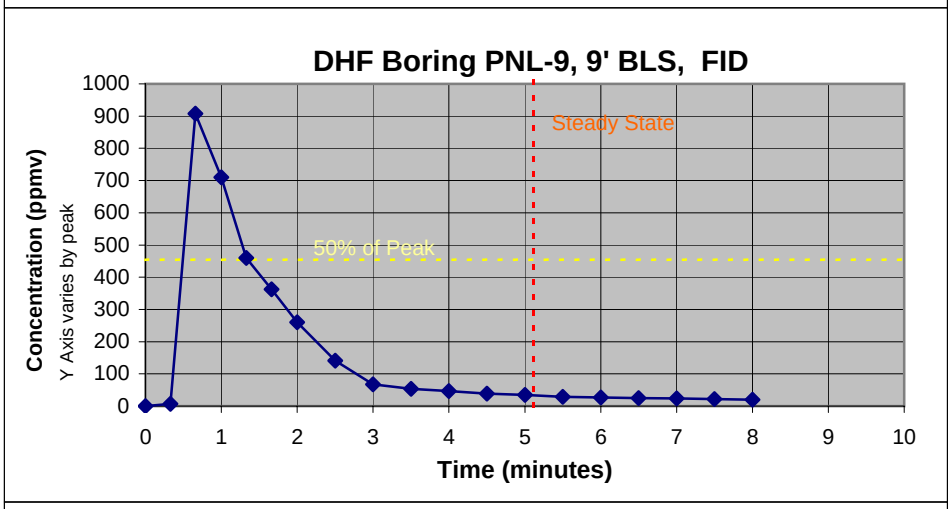


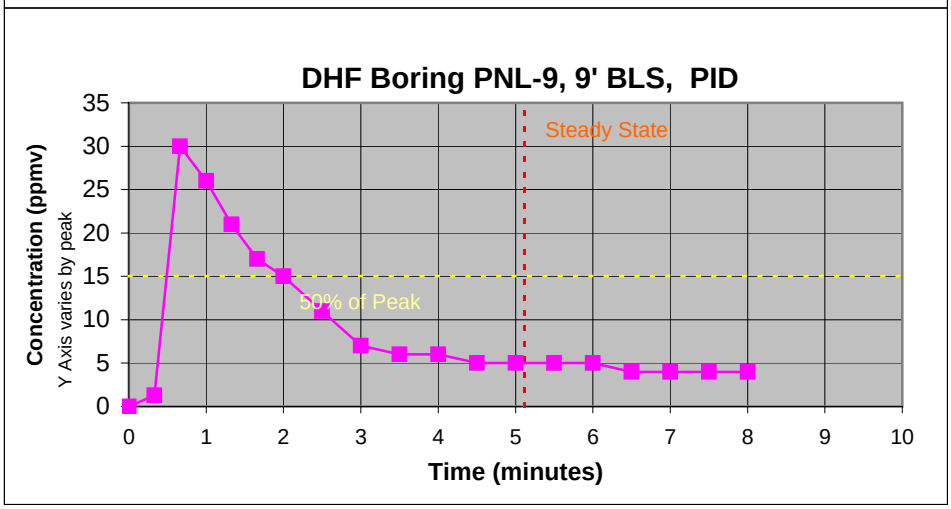


PNL-9-9'

TIME	FID	PID
0.00	0.01	0.01
0.33	7.2	1.3
0.66	908.0	30
1	710.0	26
1.33	460.0	21
1.66	362	17
2	260	15
2.5	141	11
3	68	7
3.5	54	6
4	47	6
4.5	39	5
5	35	5
5.5	29	5
6	27	5
6.5	25	4
7	24	4
7.5	22	4
8	20	4
Peak	908	30
SS Value	35	5
SS % Pk	4%	17%

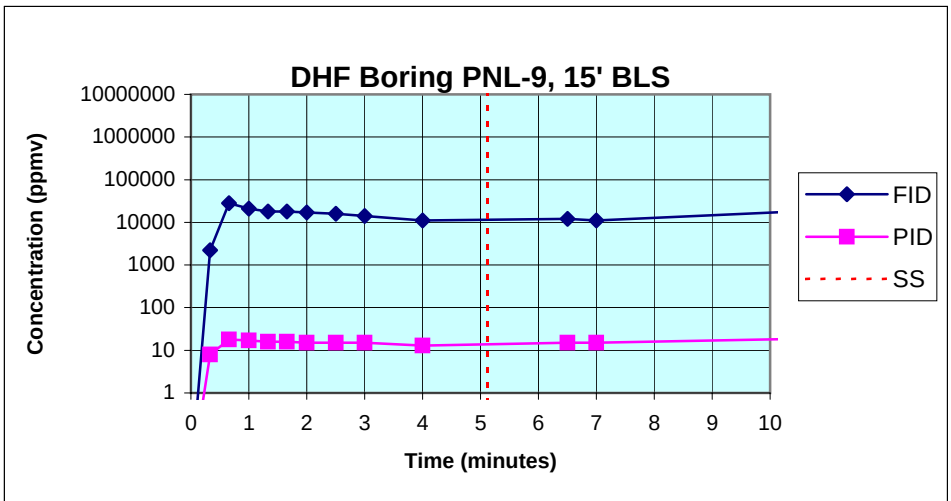


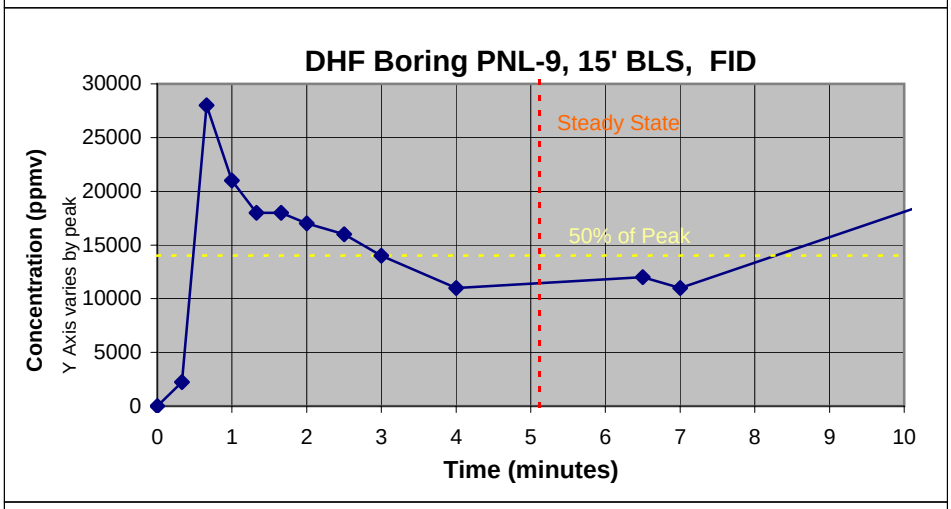


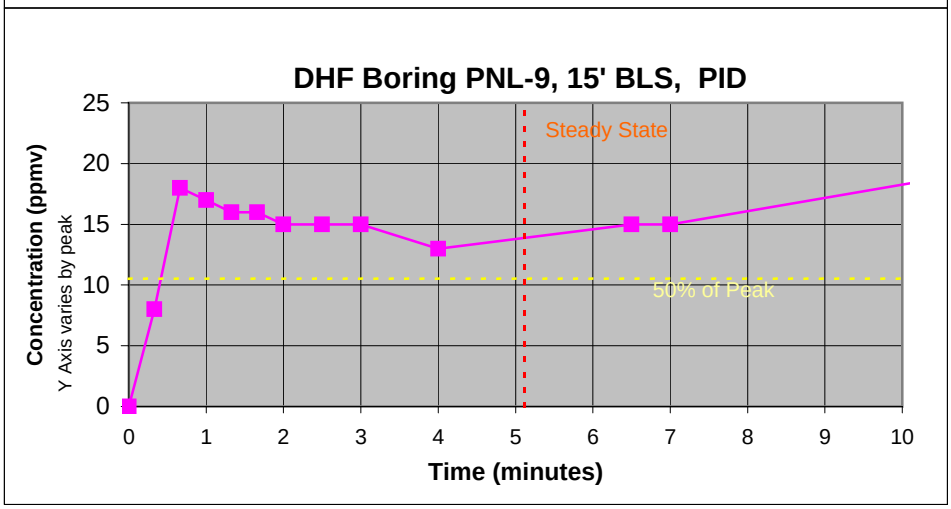


PNL-9-15'

TIME	FID	PID
0.00	0.01	0.01
0.33	2230.0	8
0.66	28000.0	18
1	21000	17
1.33	18000	16
1.66	18000	16
2	17000	15
2.5	16000	15
3	14000	15
4	11000	13
6.5	12000	15
7	11000	15
12.5	24000	21
13	15000	21
13.5	9500	18
14	7035	15
14.5	5840	14
15	4905	12
15.5	4640	11
Peak	28000	21
SS Value	11000	68
SS % Pk	39%	324%

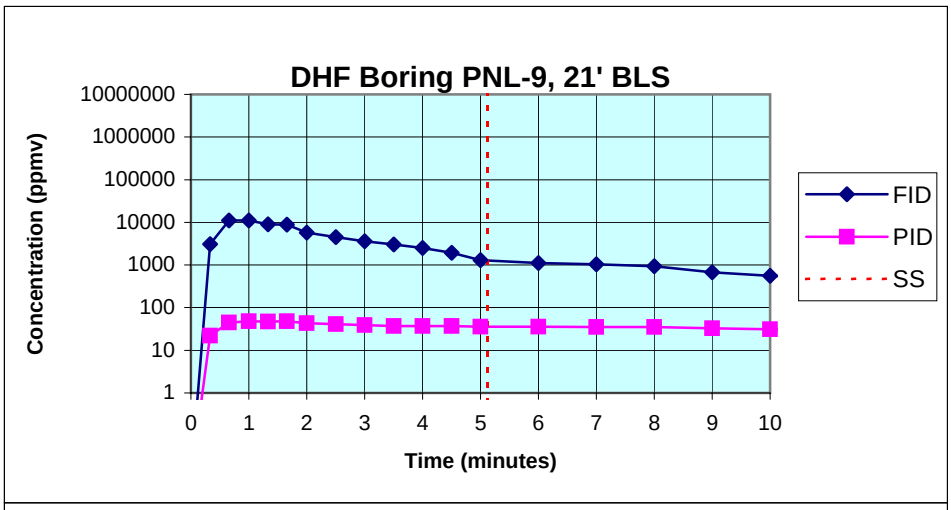


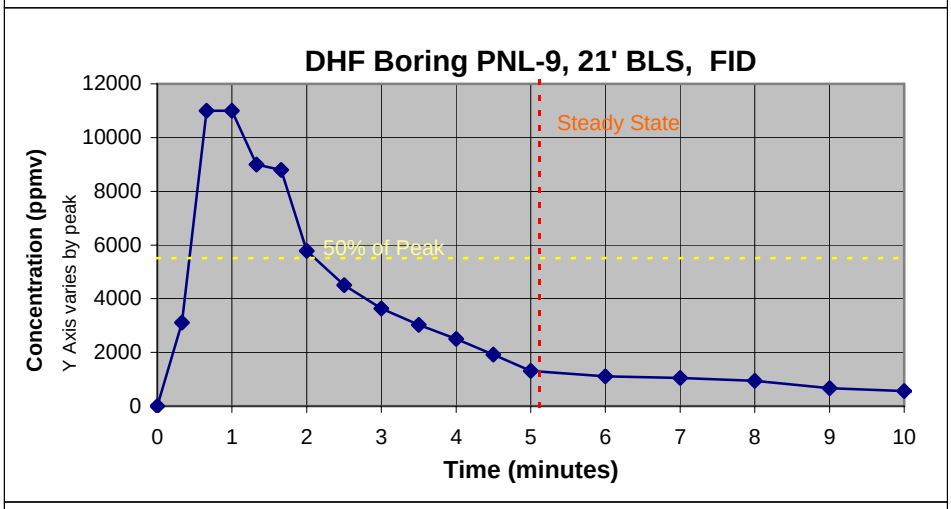


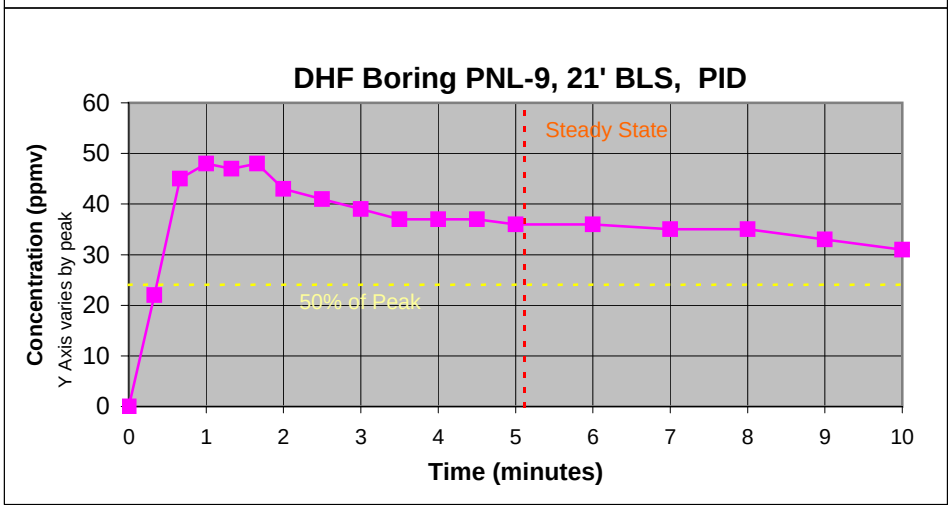


PNL-9-21'

TIME	FID	PID
0.00	0.01	0.01
0.33	3108	22
0.66	11000	45
1	11000	48
1.33	9000	47
1.66	8800	48
2	5780	43
2.5	4500	41
3	3630	39
3.5	3024	37
4	2500	37
4.5	1918	37
5	1307	36
6	1106	36
7	1046	35
8	940	35
9	671	33
10	556	31
11	521	30
Peak	11000	48
SS Value	1307	36
SS % Pk	12%	75%

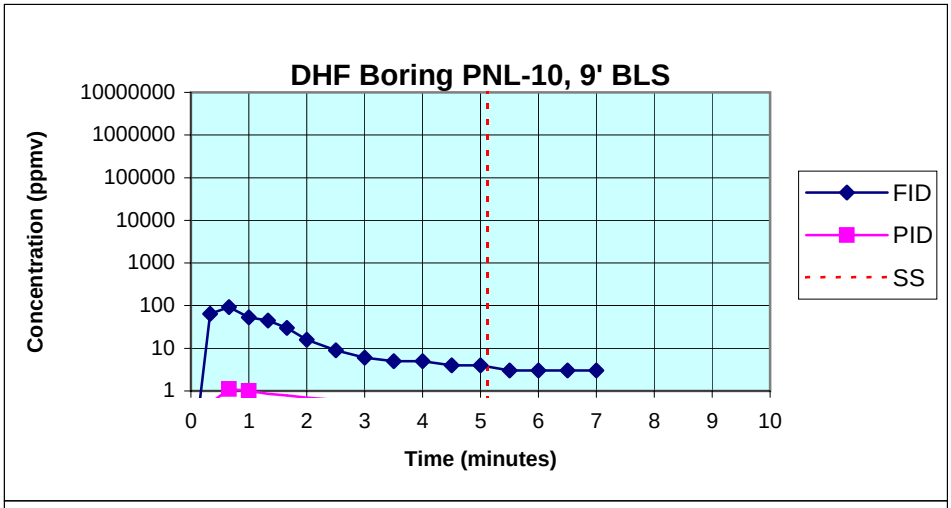


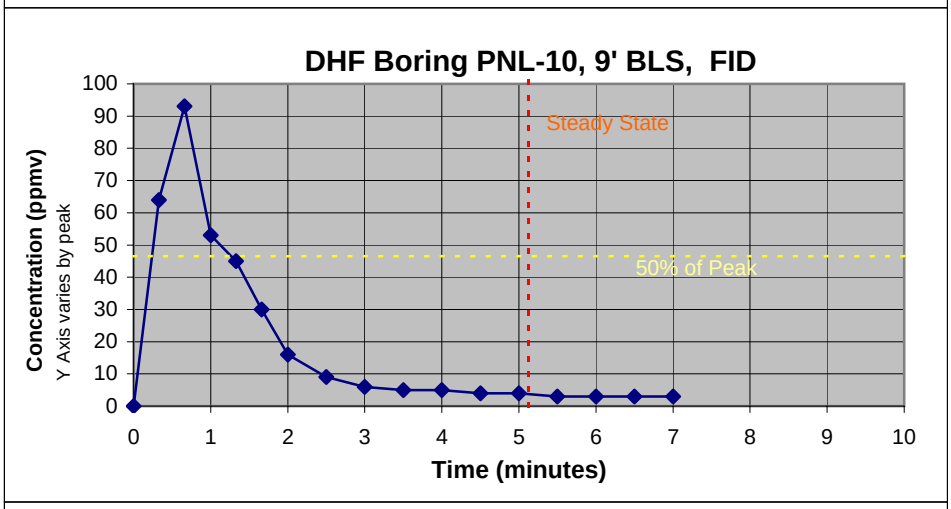


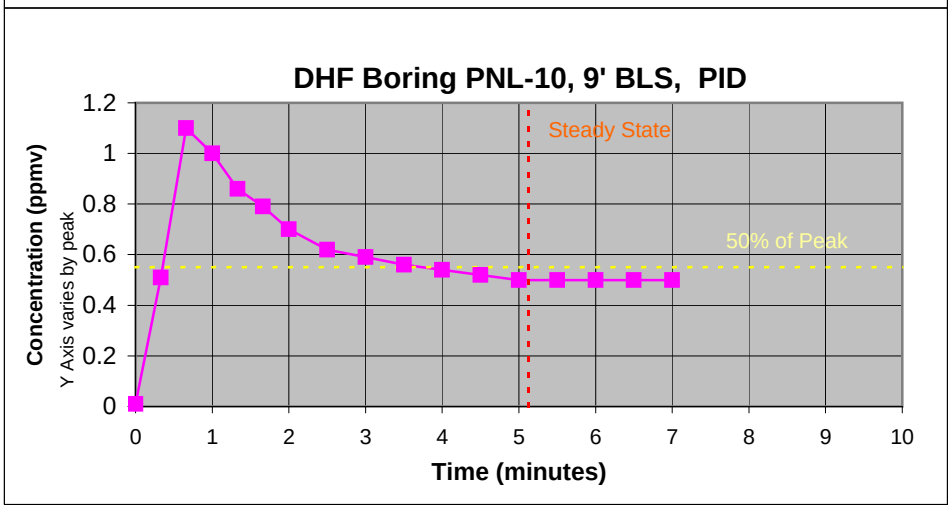


PNL-10-9'

TIME	FID	PID
0.00	0.01	0.01
0.33	64	0.51
0.66	93.0	1.1
1	53.0	1
1.33	45.0	0.86
1.66	30	0.79
2	16	0.7
2.5	9	0.62
3	6	0.59
3.5	5	0.56
4	5	0.54
4.5	4	0.52
5	4	0.5
5.5	3	0.5
6	3	0.5
6.5	3	0.5
7	3	0.5
Peak	93	1
SS Value	4	0.5
SS % Pk	4%	45%



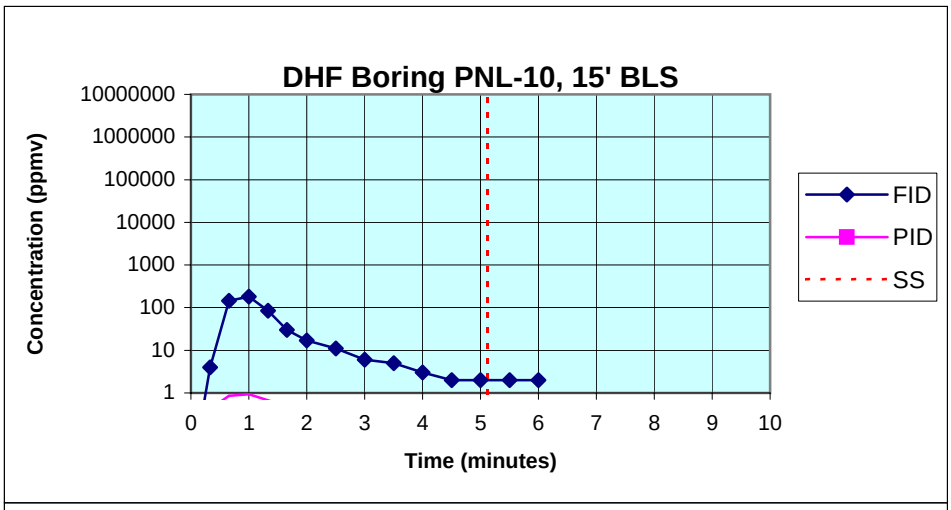


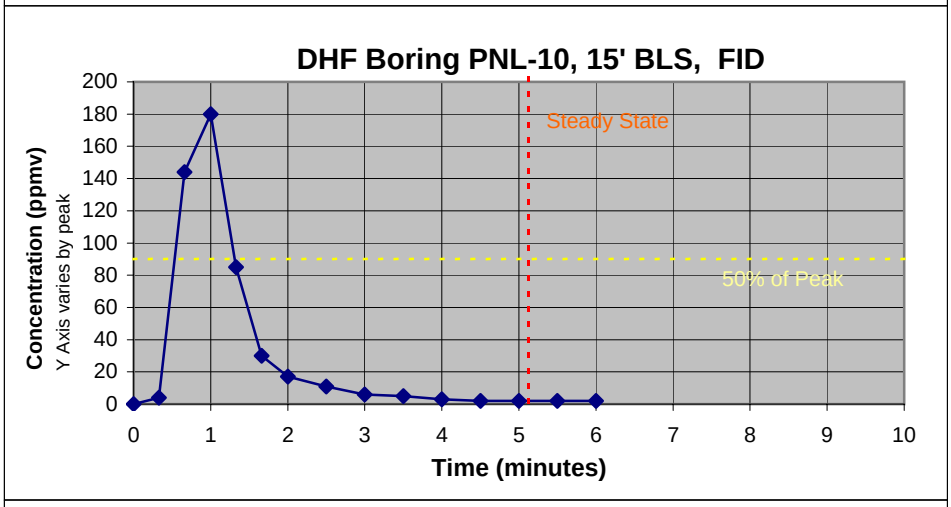


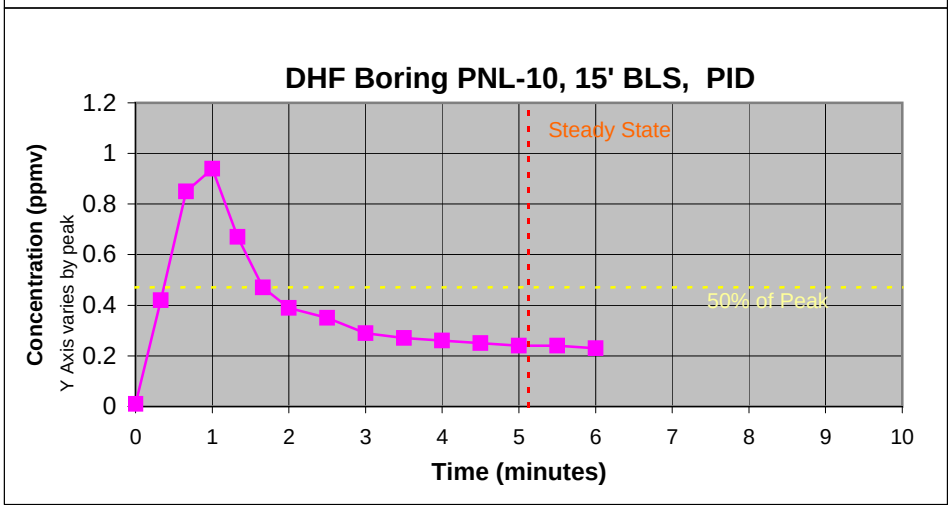
PNL-10-15'

TIME	FID	PID
0.00	0.01	0.01
0.33	4.0	0.42
0.66	144.0	0.85
1	180	0.94
1.33	85	0.67
1.66	30	0.47
2	17	0.39
2.5	11	0.35
3	6	0.29
3.5	5	0.27
4	3	0.26
4.5	2	0.25
5	2	0.24
5.5	2	0.24
6	2	0.23

Peak	180	1
SS Value	2	0.24
SS % Pk	1%	26%



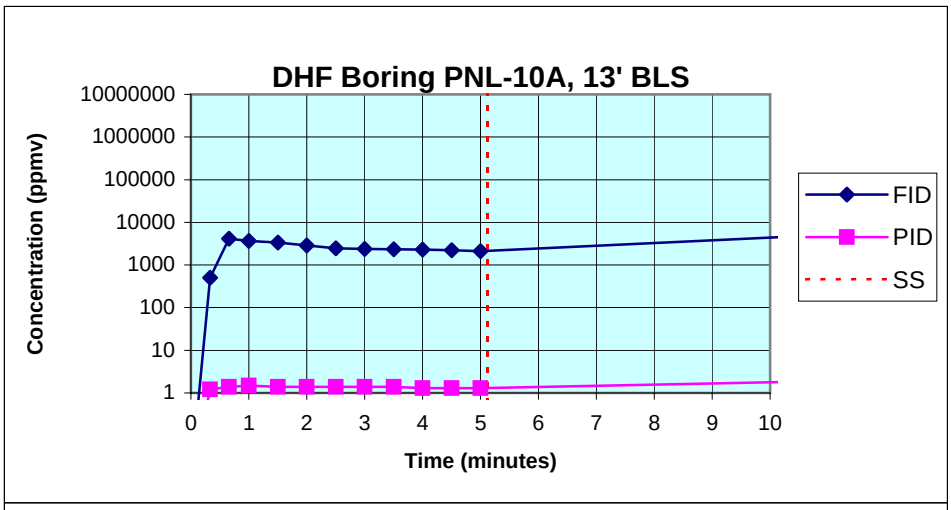


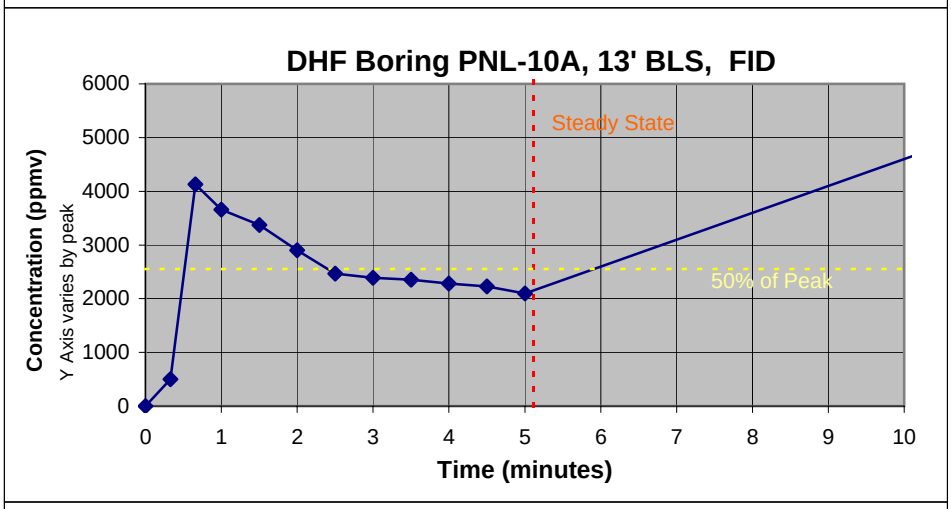


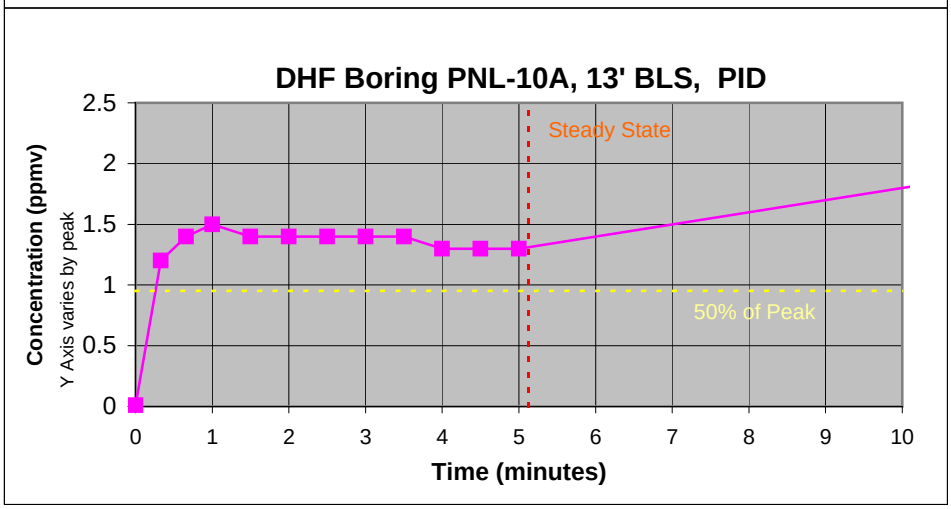
PNL-10A-13'

TIME	FID	PID
0.00	0.01	0.01
0.33	500	1.2
0.66	4127.0	1.4
1	3658.0	1.5
1.5	3370.0	1.4
2	2900	1.4
2.5	2465	1.4
3	2390	1.4
3.5	2355	1.4
4	2283	1.3
4.5	2231	1.3
5	2100	1.3
11	5100	1.9
11.5	3600	1.9
12	1102	1.9
12.5	990	1.4
13	845	1.4
13.5	793	1.3

Peak	5100	2
SS Value	2100	1.3
SS % Pk	41%	68%

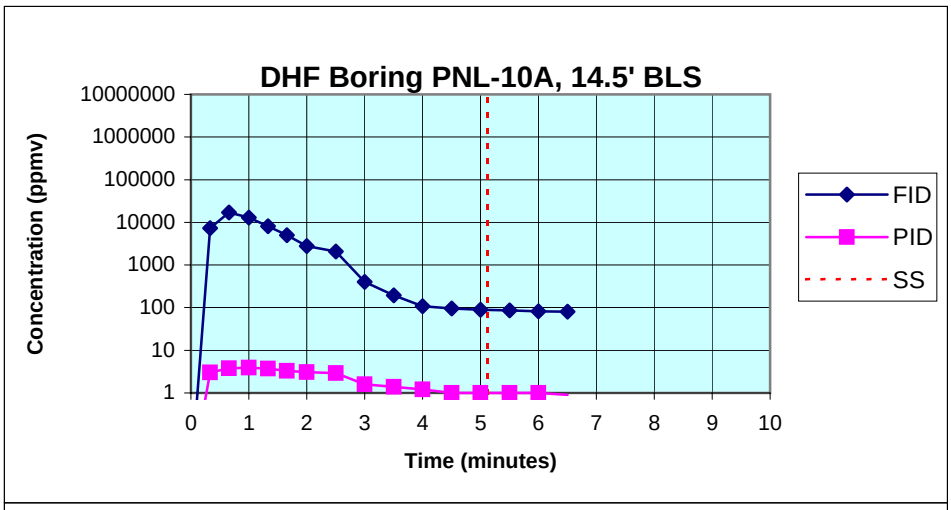


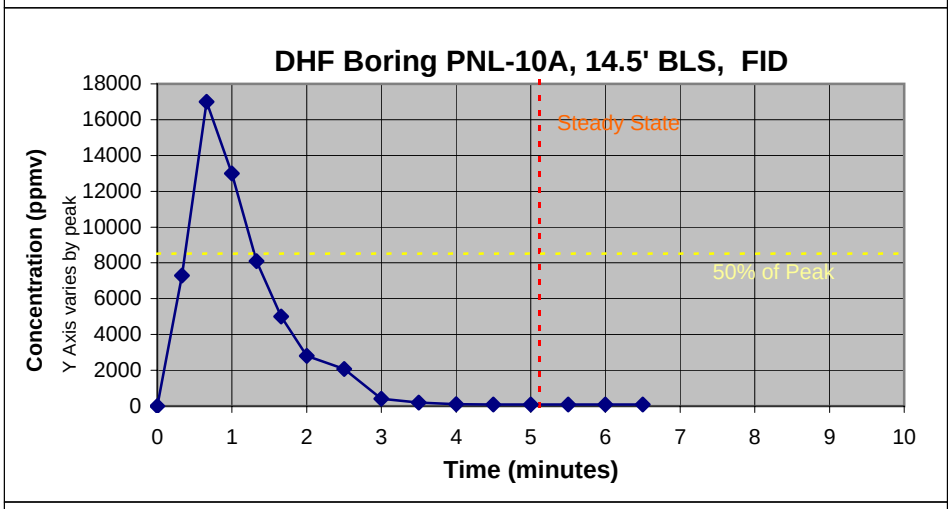


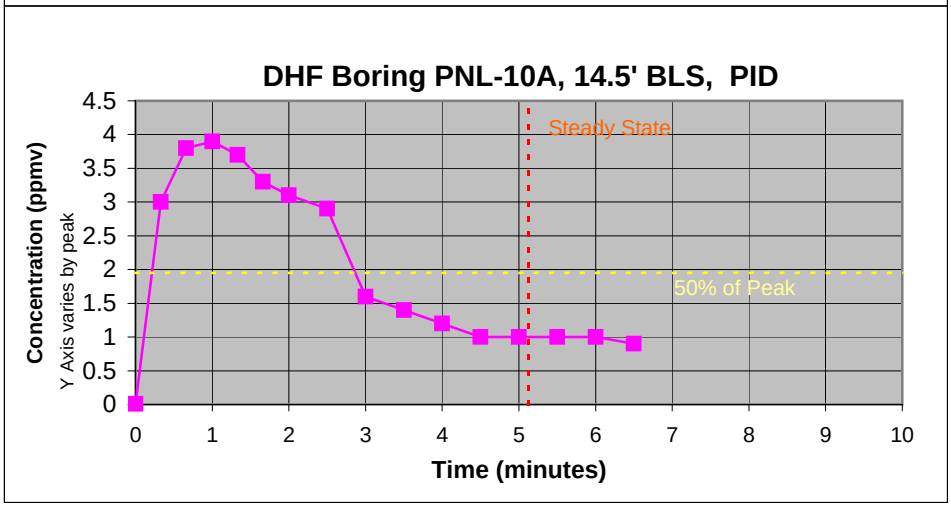


PNL-10A-14.5'

TIME	FID	PID
0.00	0.01	0.01
0.33	7300	3
0.66	17000.0	3.8
1	13000.0	3.9
1.33	8100.0	3.7
1.66	5000	3.3
2	2800	3.1
2.5	2076	2.9
3	404	1.6
3.5	194	1.4
4	108	1.2
4.5	96	1
5	90	1
5.5	86	1
6	82	1
6.5	81	0.9
Peak	17000	4
SS Value	90	1
SS % Pk	1%	26%

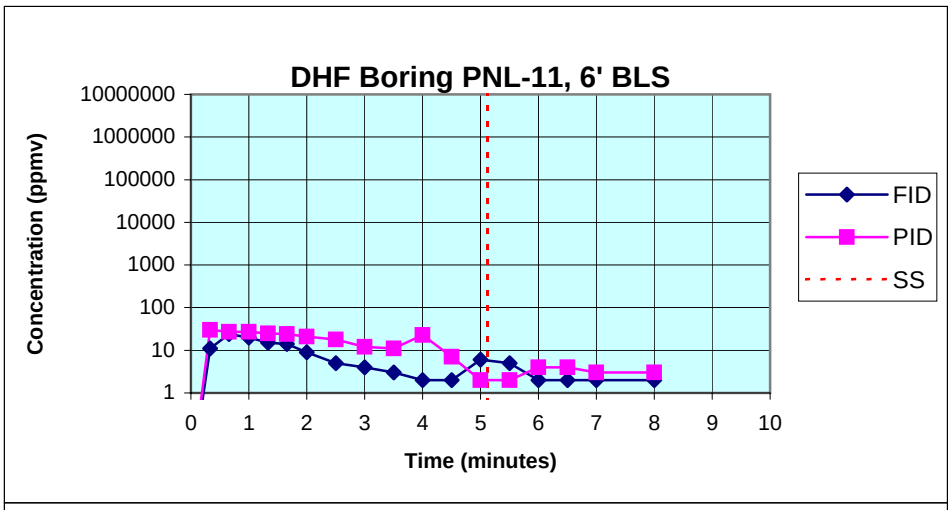


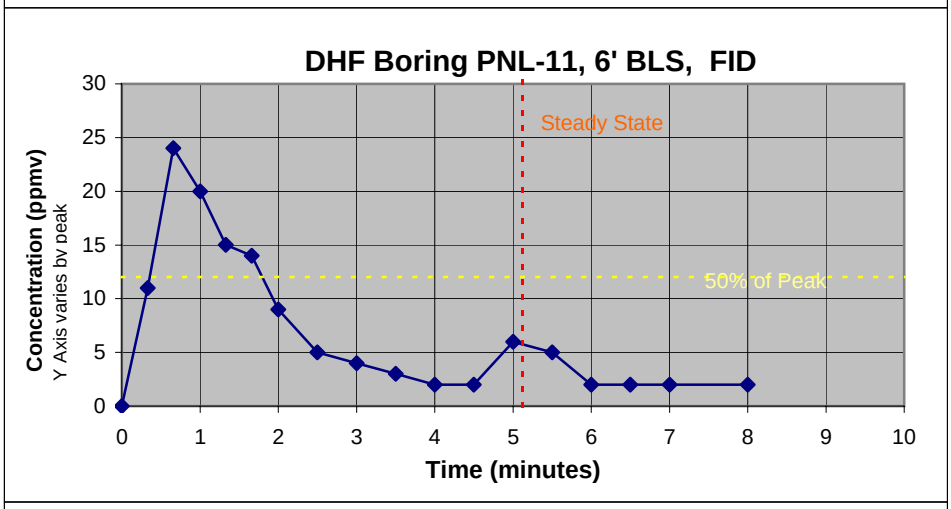


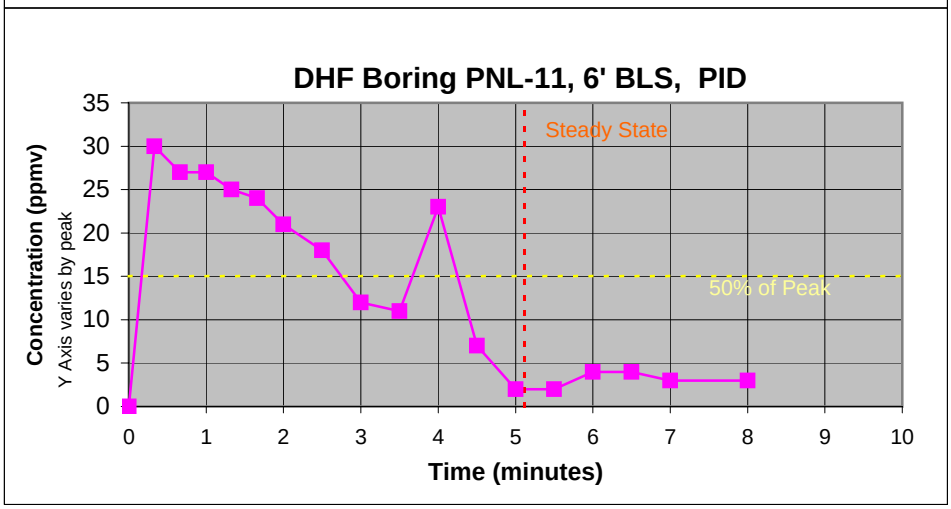


PNL-11-6'

TIME	FID	PID
0.00	0.01	0.01
0.33	11	30
0.66	24.0	27.0
1	20.0	27.0
1.33	15.0	25.0
1.66	14	24
2	9	21
2.5	5	18
3	4	12
3.5	3	11
4	2	23
4.5	2	7
5	6	2
5.5	5	2
6	2	4
6.5	2	4
7	2	3
8	2	3
Peak	24	30
SS Value	6	2
SS % Pk	25%	7%

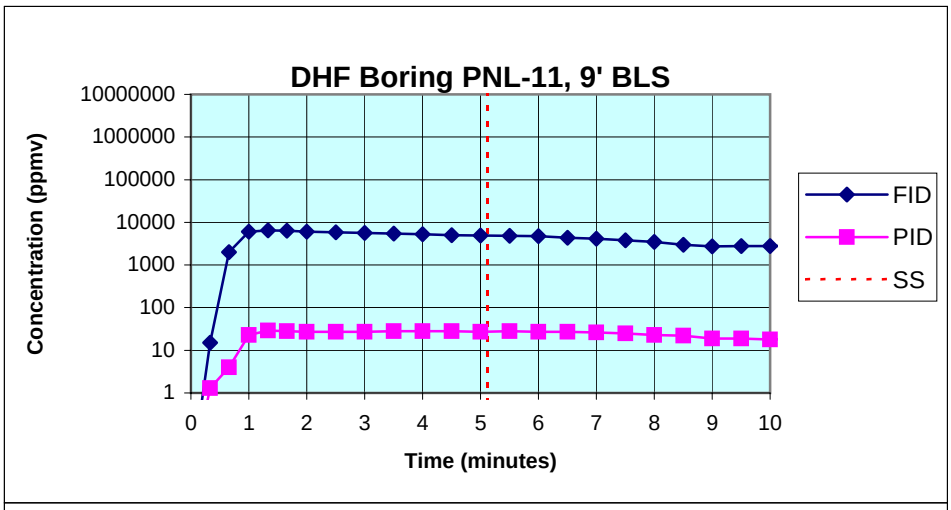


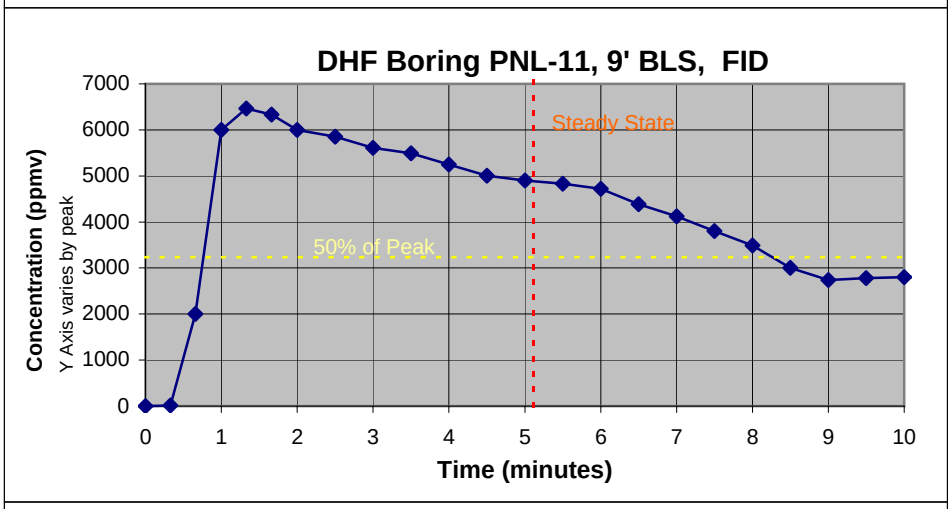


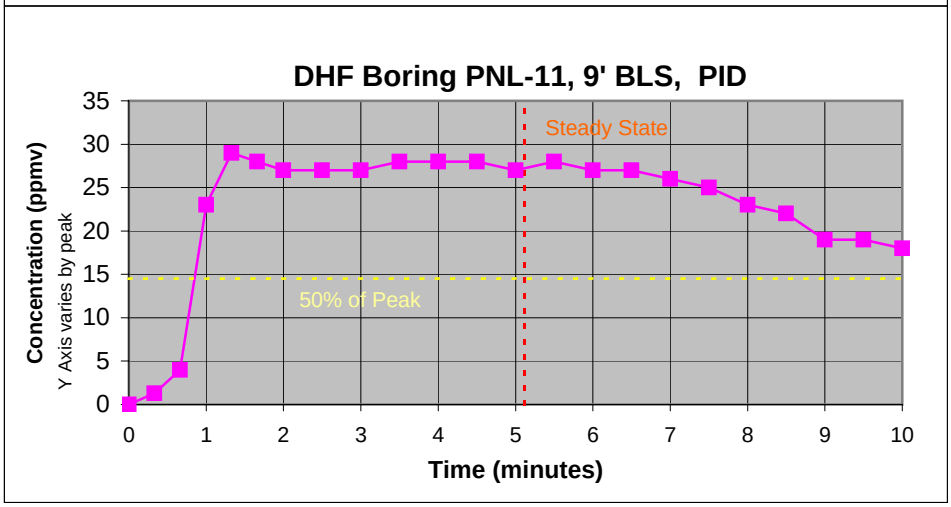


PNL-11-9'

TIME	FID	PID
0.00	0.01	0.01
0.33	15.0	1.3
0.66	2000.0	4
1	6001	23
1.33	6465	29
1.66	6330	28
2	6002	27
2.5	5850	27
3	5610	27
3.5	5490	28
4	5250	28
4.5	5002	28
5	4900	27
5.5	4830	28
6	4720	27
6.5	4388	27
7	4120	26
7.5	3800	25
8	3490	23
8.5	3000	22
9	2740	19
9.5	2780	19
10	2800	18
10.5	2809	19
11	2724	18
11.5	2550	18
12	2312	17
12.5	2130	16
13	1880	16
13.5	1730	15
Peak	6465	29
SS Value	4900	27
SS % Pk	76%	93%

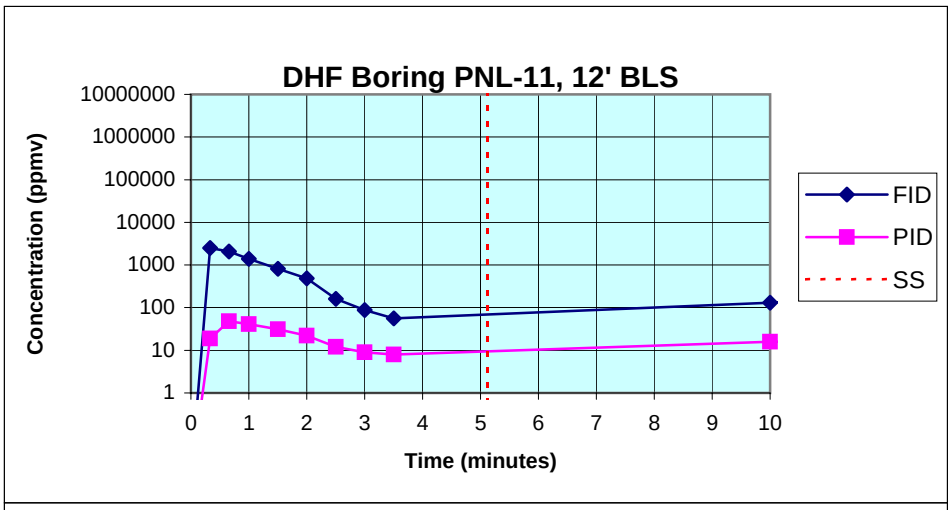


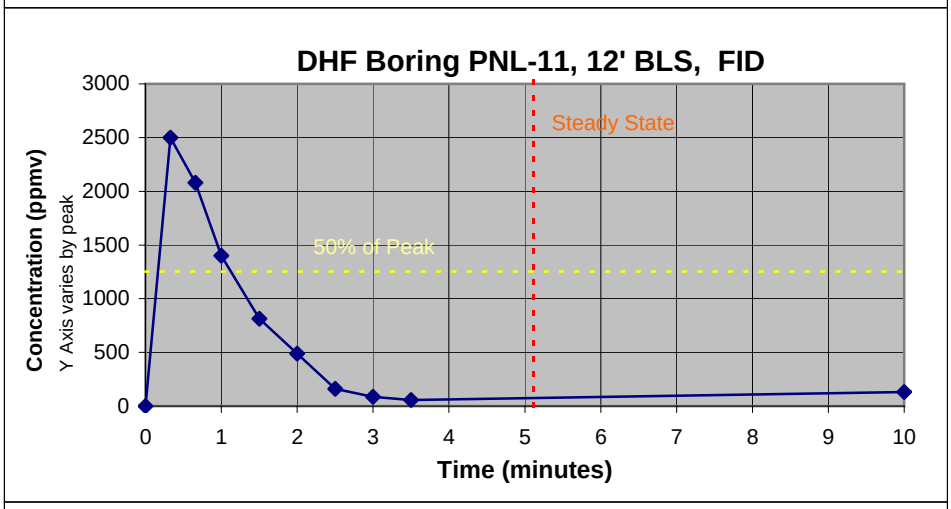


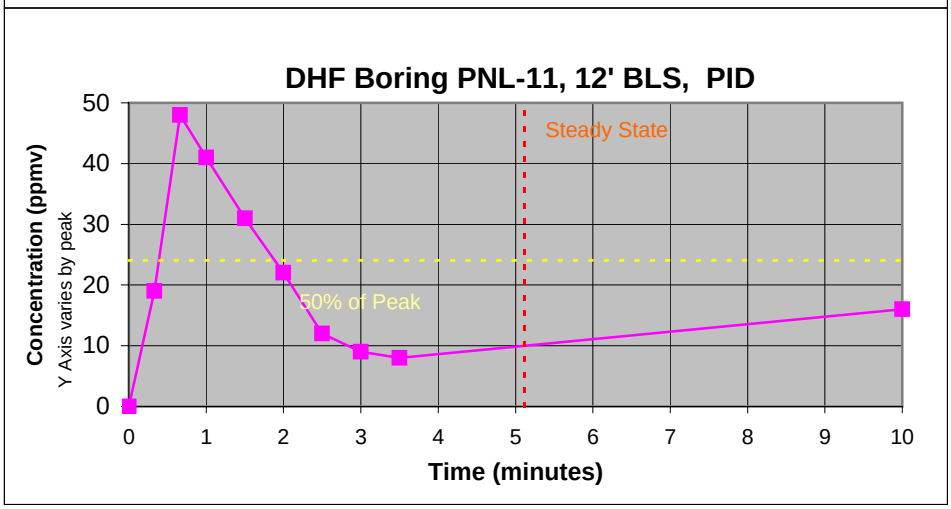


PNL-11-12'

TIME	FID	PID
0.00	0.01	0.01
0.33	2500	19
0.66	2078	48
1	1400	41
1.5	812	31
2	489	22
2.5	160	12
3	87	9
3.5	56	8
10	131	16
10.5	143	16
11	141	16
11.5	165	16
12	137	14
12.5	111	12
13	96	11
13.5	89	11
14	86	11
Peak	2500	48
SS Value	50	10
SS % Pk	2%	21%

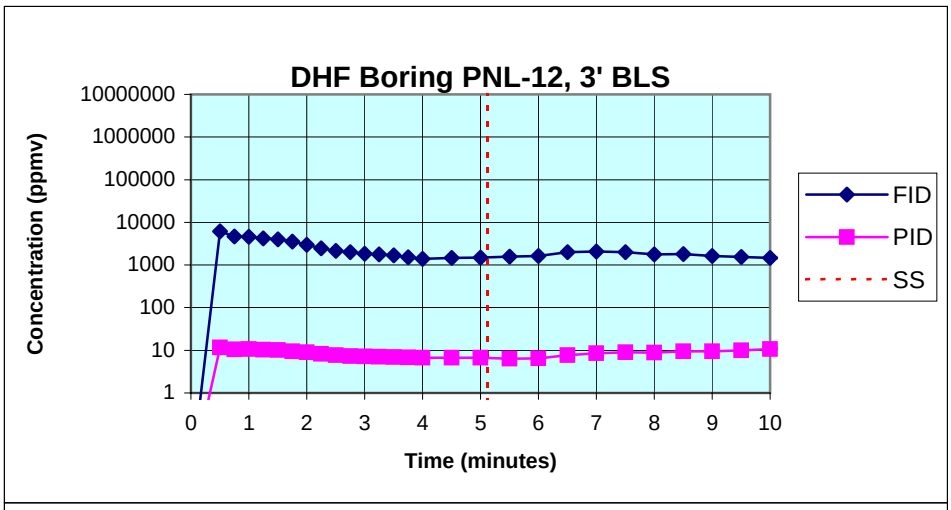


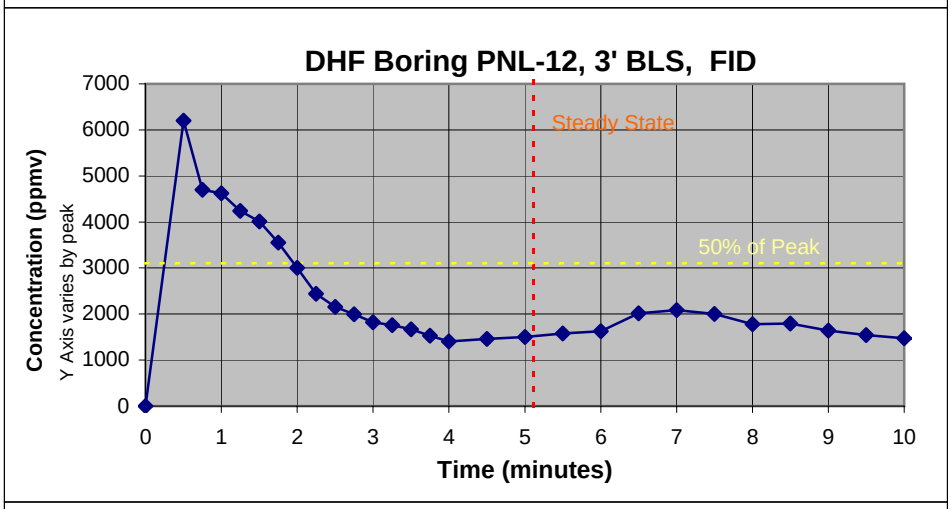


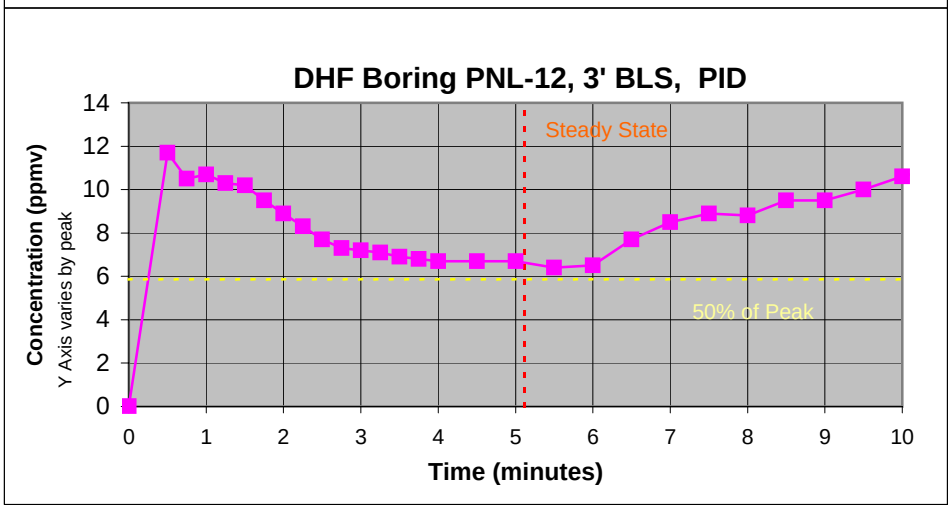


PNL-12-3'

TIME	FID	PID
0.00	0.01	0.01
0.5	6200.0	11.7
0.75	4700.0	10.5
1	4620.0	10.7
1.25	4240	10.3
1.5	4013	10.2
1.75	3550	9.5
2	3002	8.9
2.25	2443	8.3
2.5	2154	7.7
2.75	1994	7.3
3	1823	7.2
3.25	1760	7.1
3.5	1671	6.9
3.75	1530	6.8
4	1403	6.7
4.5	1461	6.7
5	1500	6.7
5.5	1580	6.4
6	1625	6.5
6.5	2018	7.7
7	2082	8.5
7.5	2003	8.9
8	1778	8.8
8.5	1790	9.5
9	1640	9.5
9.5	1540	10
10	1475	10.6
11	1409	11.5
Peak	6200	12
SS Value	1500	6.7
SS % Pk	24%	57%



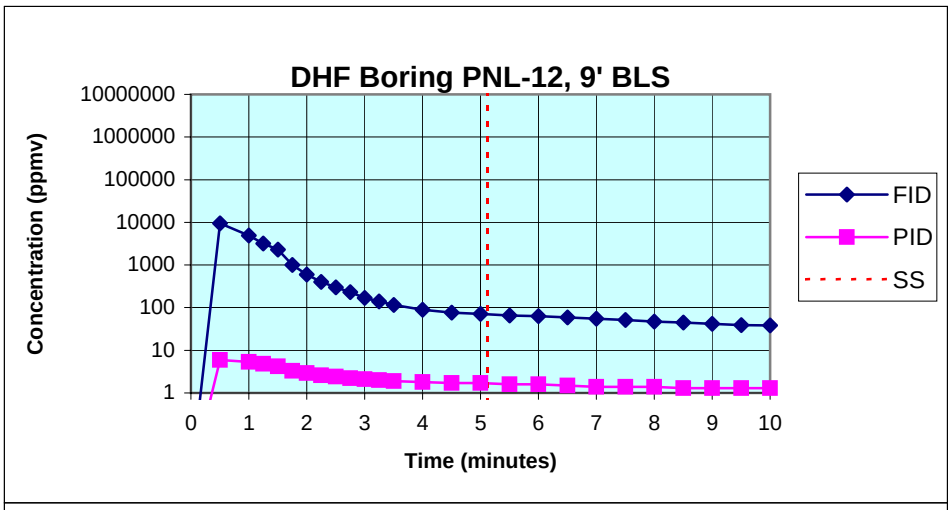


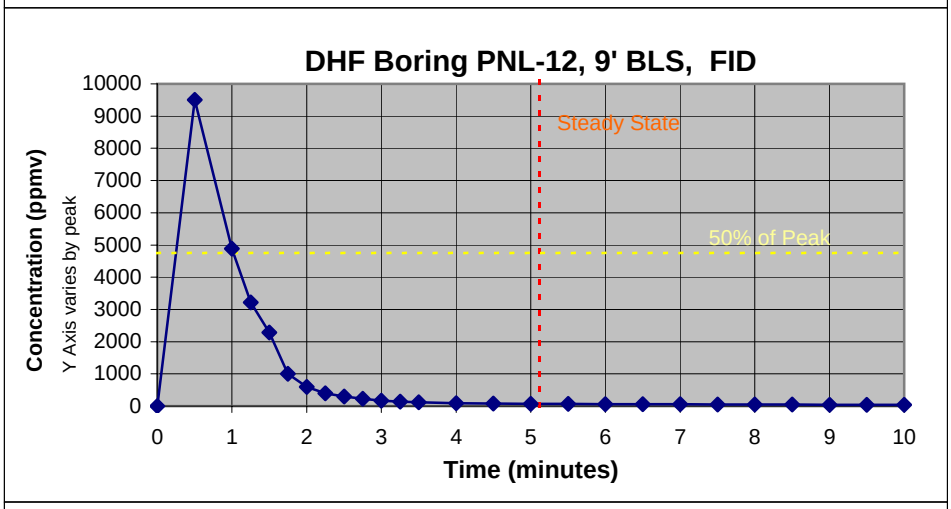


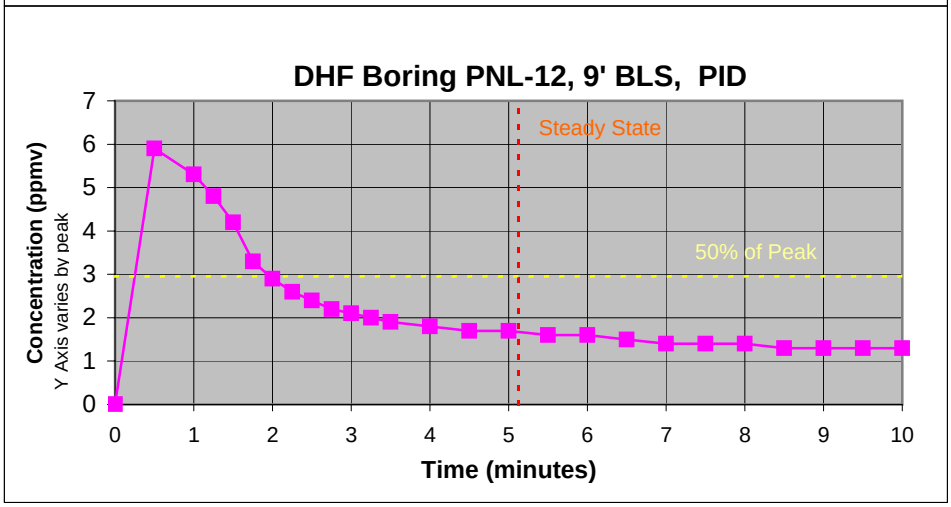
PNL-12-9'

TIME	FID	PID
0.00	0.01	0.01
0.5	9500.0	5.9
1	4890.0	5.3
1.25	3217	4.8
1.5	2280	4.2
1.75	1000	3.3
2	600	2.9
2.25	400	2.6
2.5	300	2.4
2.75	230	2.2
3	170	2.1
3.25	140	2
3.5	115	1.9
4	90	1.8
4.5	77	1.7
5	71	1.7
5.5	65	1.6
6	63	1.6
6.5	59	1.5
7	55	1.4
7.5	51	1.4
8	47	1.4
8.5	45	1.3
9	42	1.3
9.5	39	1.3
10	38	1.3

Peak	9500	6
SS Value	71	1.7
SS % Pk	1%	29%



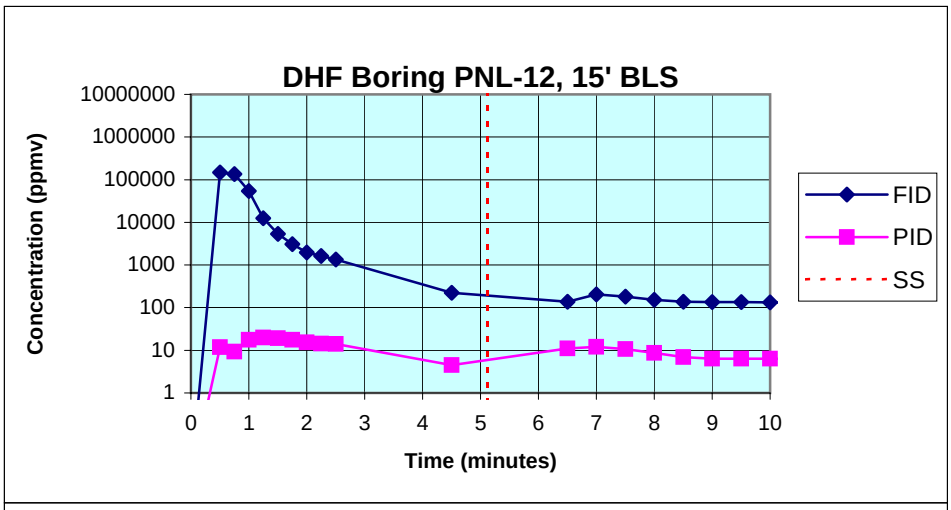


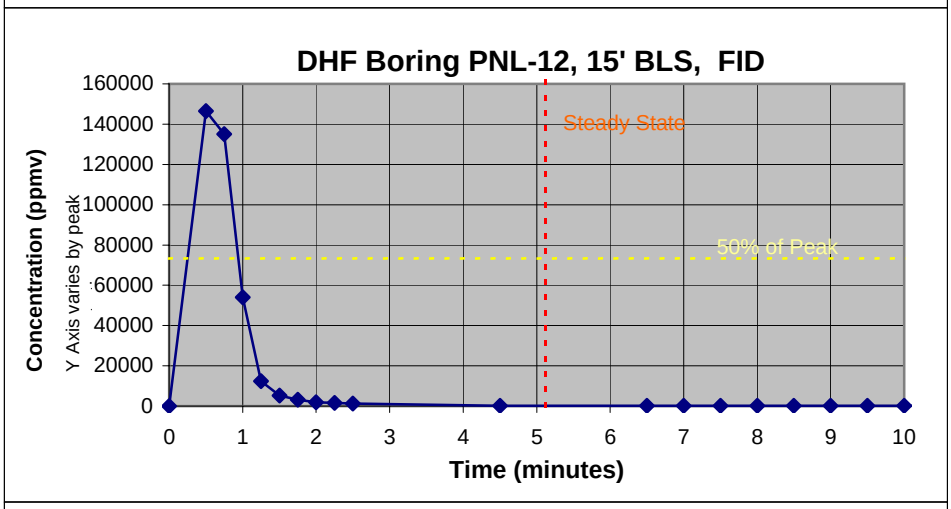


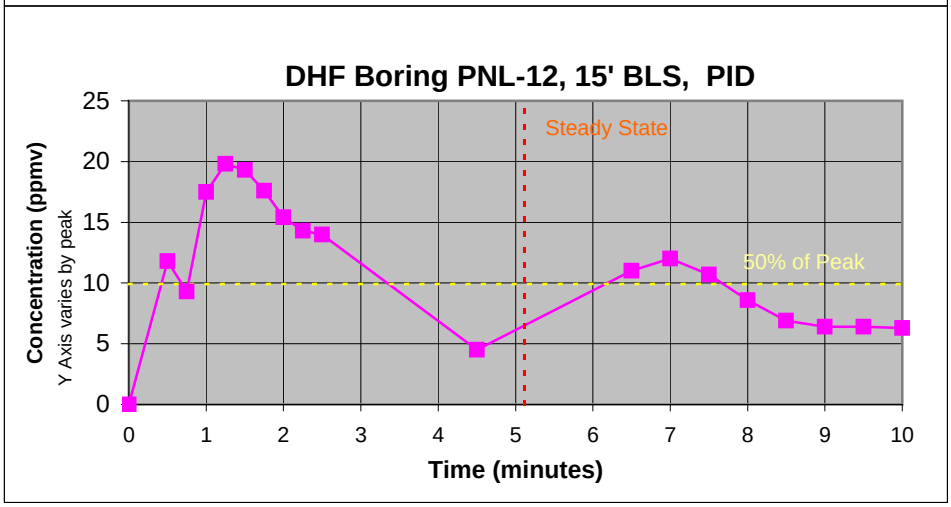
PNL-12-15'

TIME	FID	PID
0.00	0.01	0.01
0.5	146500	11.8
0.75	135000	9.3
1	54000	17.5
1.25	12400	19.8
1.5	5310	19.3
1.75	3100	17.6
2	1977	15.4
2.25	1630	14.3
2.5	1348	14
4.5	224	4.5
6.5	137	11
7	203	12
7.5	181	10.7
8	153	8.6
8.5	138	6.9
9	134	6.4
9.5	134	6.4
10	133	6.3
10.5	130	6.2
11	129	6.1
12	121	5.9
13	115	5.9

Peak	146500	20
SS Value	224	4.5
SS % Pk	0%	23%

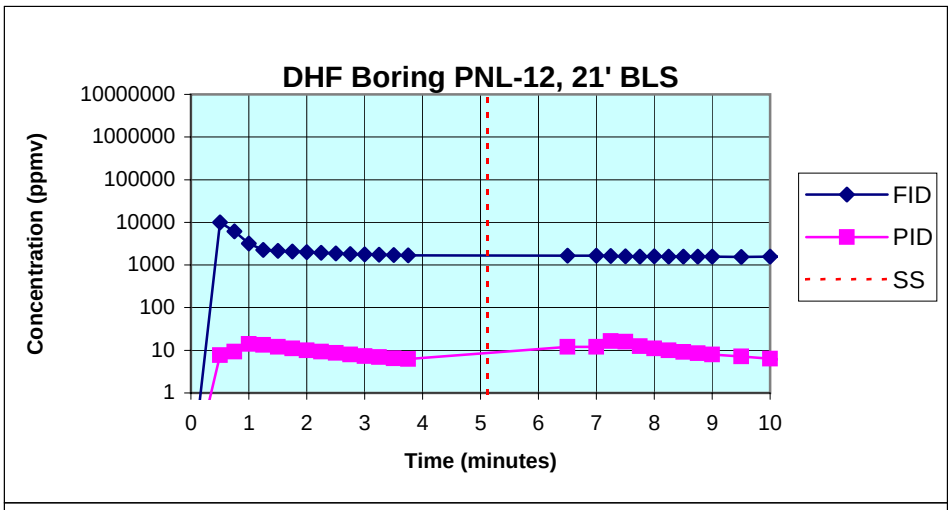


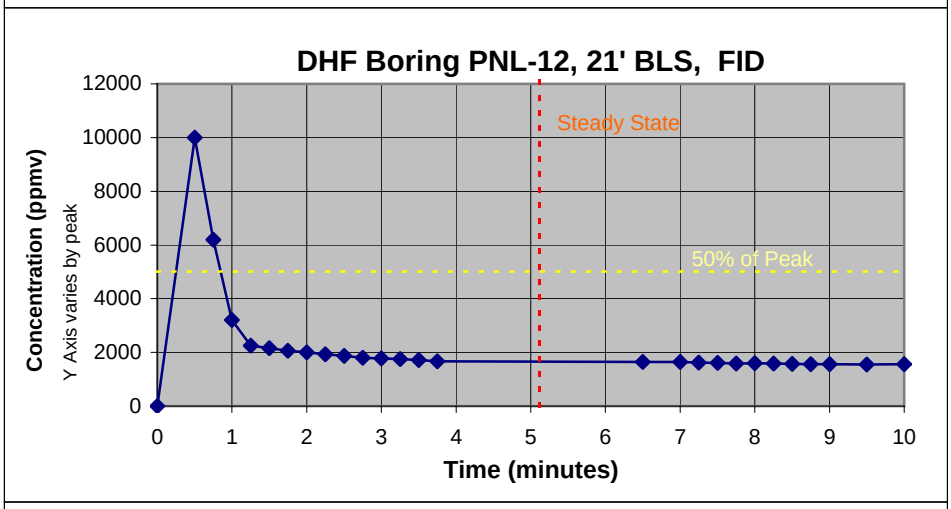


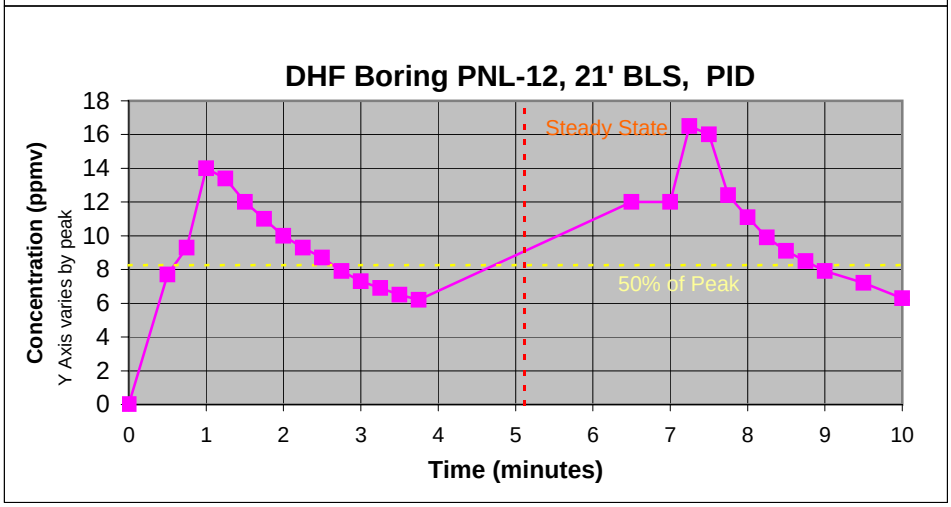


PNL-12-21'

TIME	FID	PID
0.00	0.01	0.01
0.5	10,000	7.7
0.75	6200.0	9.3
1	3200.0	14
1.25	2247	13.4
1.5	2154	12
1.75	2064	11
2	2000	10
2.25	1934	9.3
2.5	1872	8.7
2.75	1798	7.9
3	1781	7.3
3.25	1748	6.9
3.5	1713	6.5
3.75	1673	6.2
6.5	1642	12
7	1641	12
7.25	1624	16.5
7.5	1612	16
7.75	1584	12.4
8	1592	11.1
8.25	1581	9.9
8.5	1577	9.1
8.75	1565	8.5
9	1567	7.9
9.5	1554	7.2
10	1560	6.3
11	1556	4.9
12	1559	4.2
13	1573	4.5
Peak	10000	17
SS Value	1642	8.5
SS % Pk	16%	52%

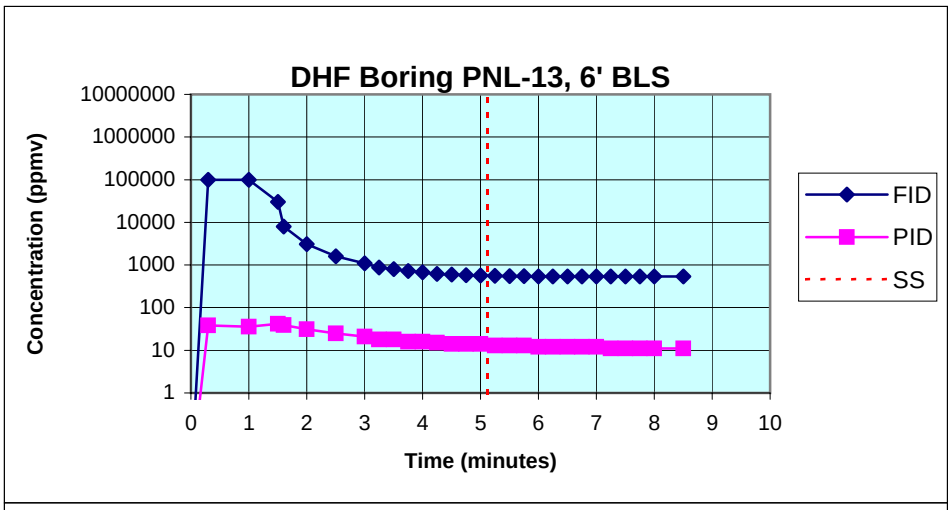


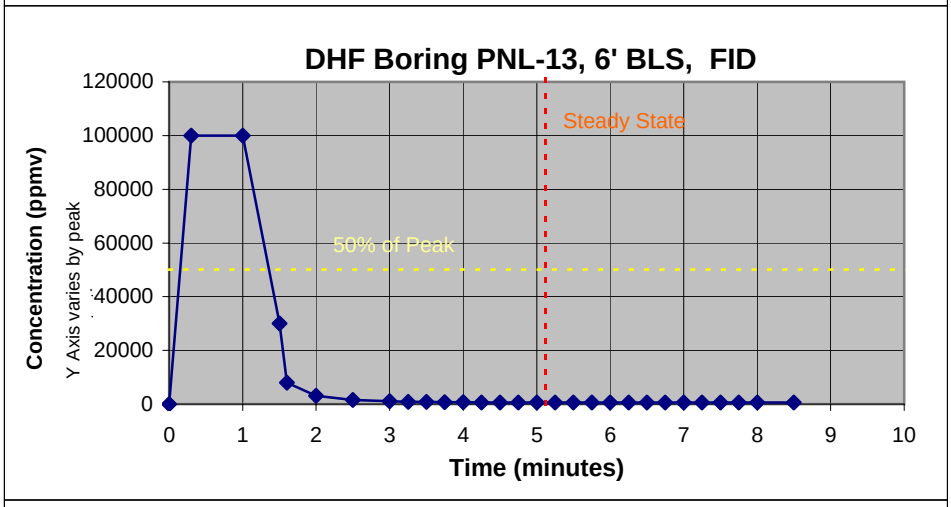


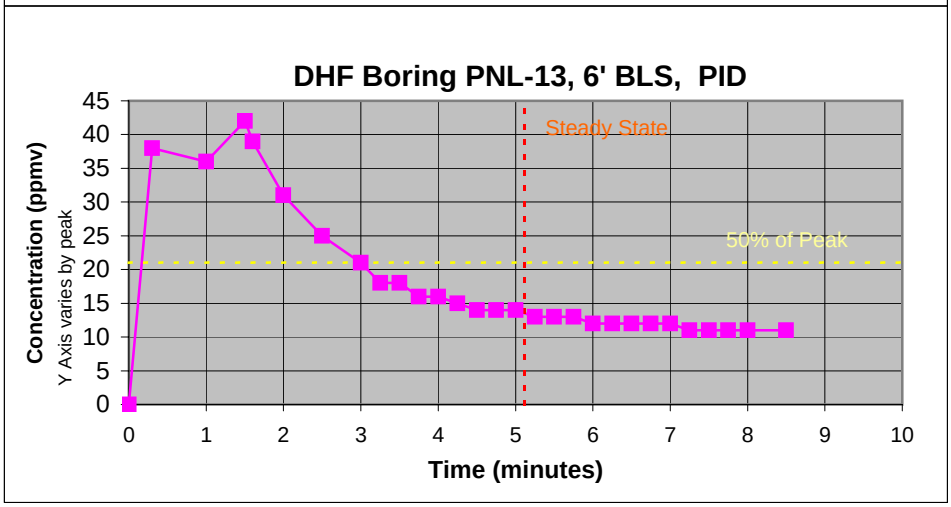


PNL-13-6'

TIME	FID	PID
0.00	0.01	0.01
0.3	100000	38
1	100000	36
1.5	30000	42
1.6	8000	39
2	3100	31
2.5	1600	25
3	1100	21
3.25	880	18
3.5	800	18
3.75	720	16
4	670	16
4.25	620	15
4.5	600	14
4.75	580	14
5	570	14
5.25	560	13
5.5	550	13
5.75	550	13
6	540	12
6.25	540	12
6.5	540	12
6.75	540	12
7	540	12
7.25	540	11
7.5	540	11
7.75	540	11
8	540	11
8.5	540	11
Peak	100000	42
SS Value	570	14
SS % Pk	1%	33%

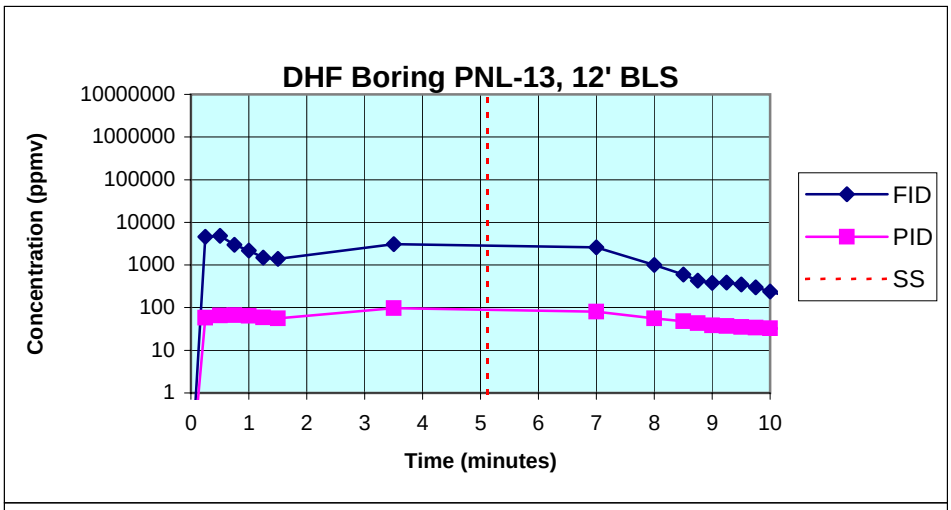


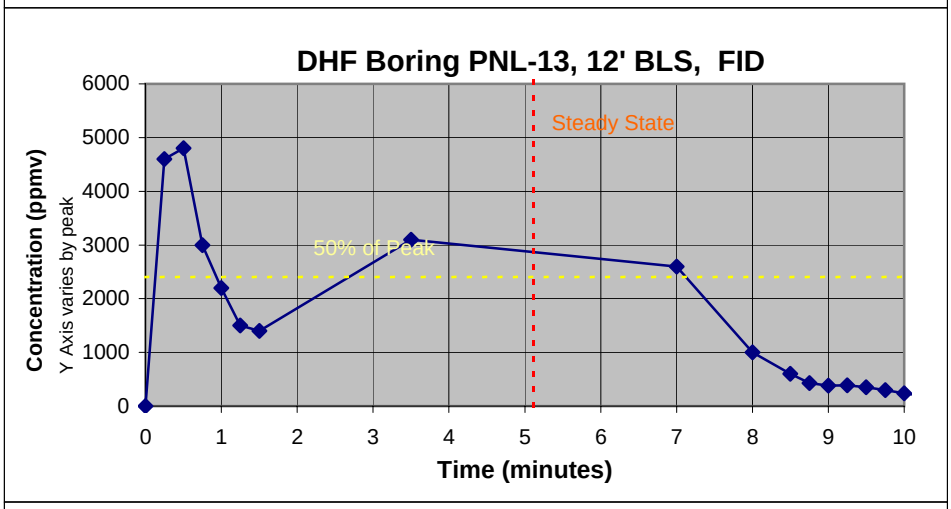


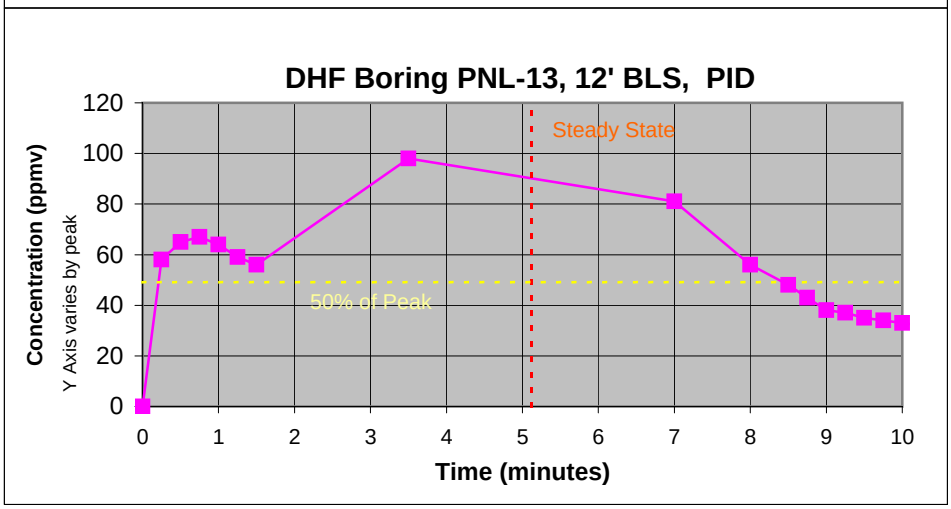


PNL-13-12'

TIME	FID	PID
0.00	0.01	0.01
0.25	4600.0	58
0.5	4800.0	65
0.75	3000	67
1	2200	64
1.25	1500	59
1.5	1400	56
3.5	3100	98
7	2600	81
8	1000	56
8.5	600	48
8.75	430	43
9	380	38
9.25	390	37
9.5	350	35
9.75	300	34
10	240	33
10.25	190	32
10.5	170	32
10.75	160	32
11	140	31
12	75	25
Peak	4800	98
SS Value	2800	90
SS % Pk	58%	92%

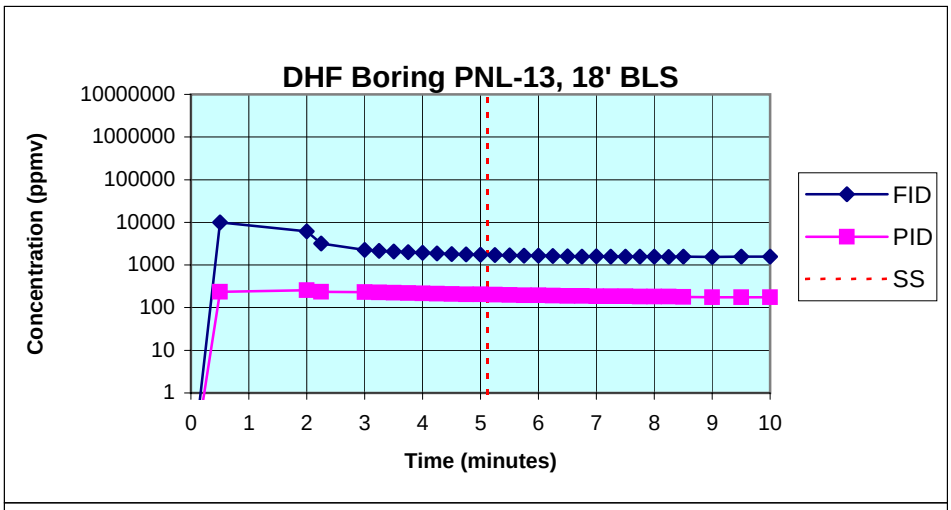


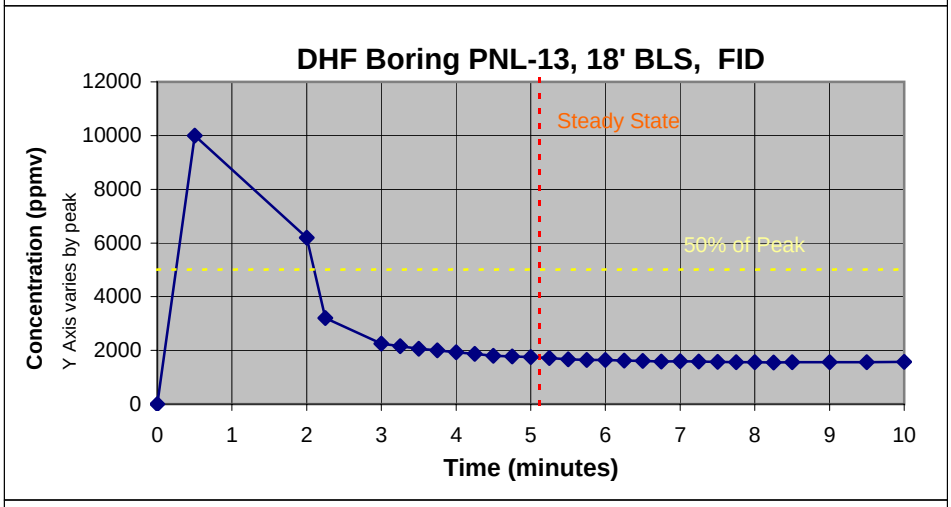


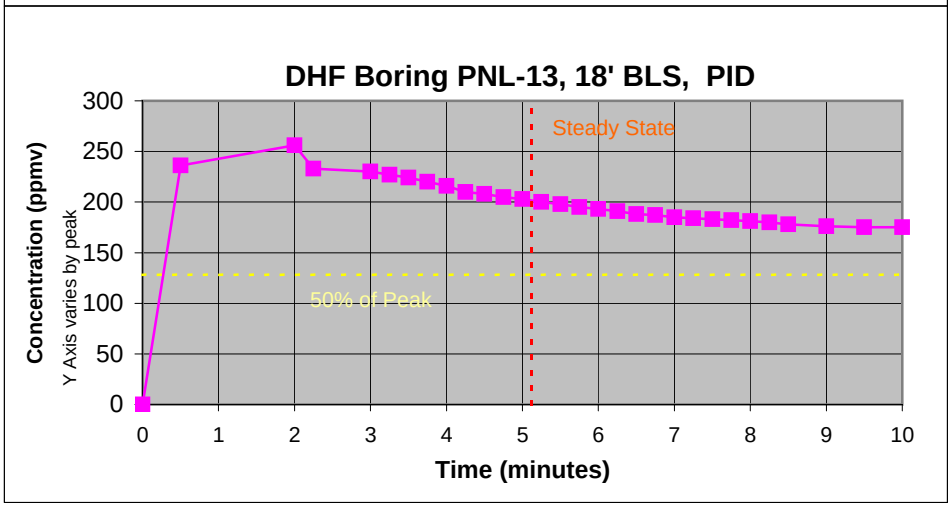


PNL-13-18'

TIME	FID	PID
0.00	0.01	0.01
0.5	10,000	236
2	6200.0	256
2.25	3200.0	233
3	2247	230.0
3.25	2154	227
3.5	2064	224
3.75	2000	220
4	1934	216
4.25	1872	210
4.5	1798	208
4.75	1781	205
5	1748	203
5.25	1713	200
5.5	1673	198
5.75	1642	195
6	1641	193
6.25	1624	191
6.5	1612	188
6.75	1584	187
7	1592	185
7.25	1581	184
7.5	1577	183
7.75	1565	182
8	1567	181
8.25	1554	180
8.5	1560	178
9	1556	176
9.5	1559	175
10	1573	175
Peak	10000	256
SS Value	1748	203
SS % Pk	17%	79%



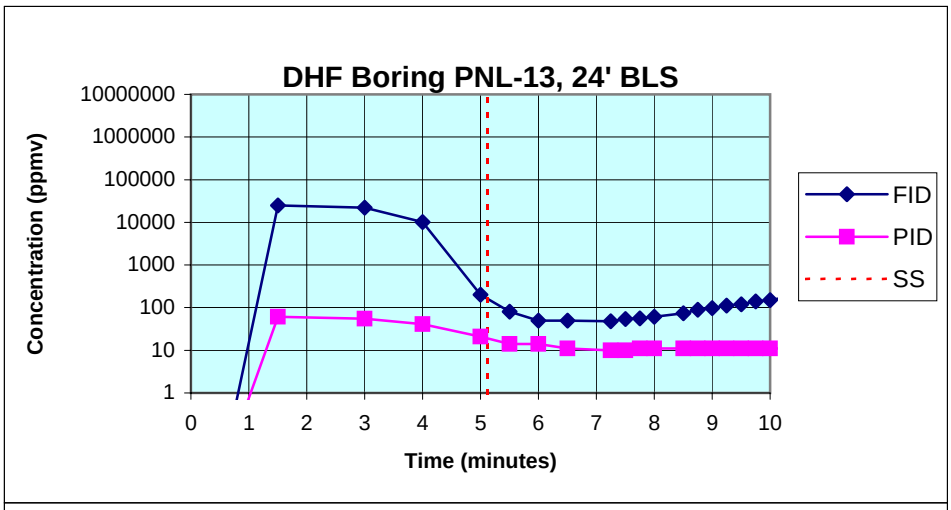


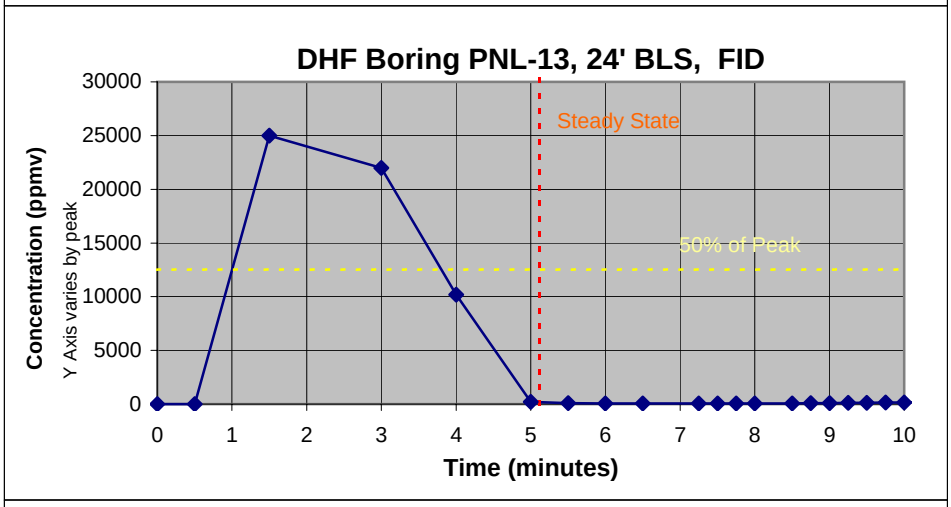


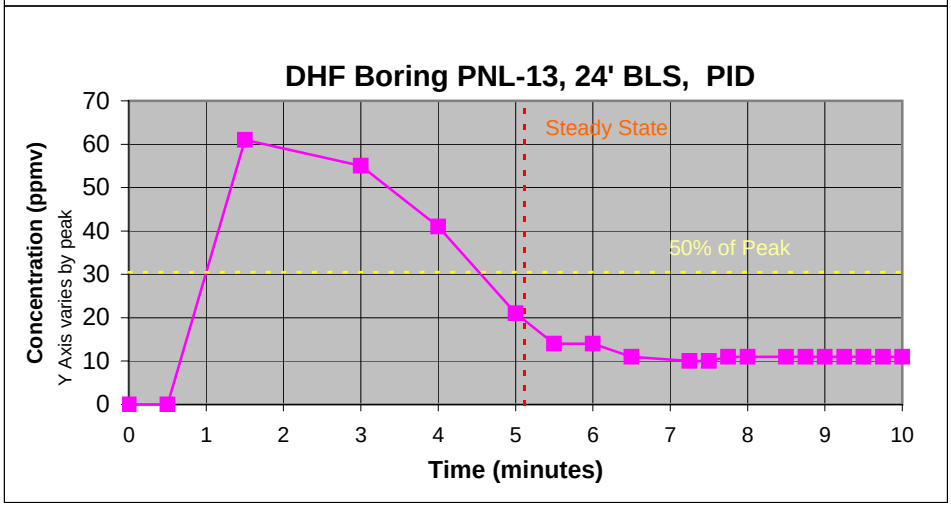
PNL-13-24'

TIME	FID	PID
0.00	0.01	0.01
0.5	0.0	0.01
1.5	25000.0	61
3	22000	55
4	10200	41
5	200	21
5.5	80	14
6	50	14
6.5	50	11
7.25	48	10
7.5	54	10
7.75	56	11
8	61	11
8.5	74	11
8.75	90	11
9	97	11
9.25	112	11
9.5	120	11
9.75	140	11
10	150	11
10.5	200	11
11	240	11
11.5	300	11
12	360	11
12.5	430	12
13	480	12

Peak	25000	61
SS Value	200	21
SS % Pk	1%	34%

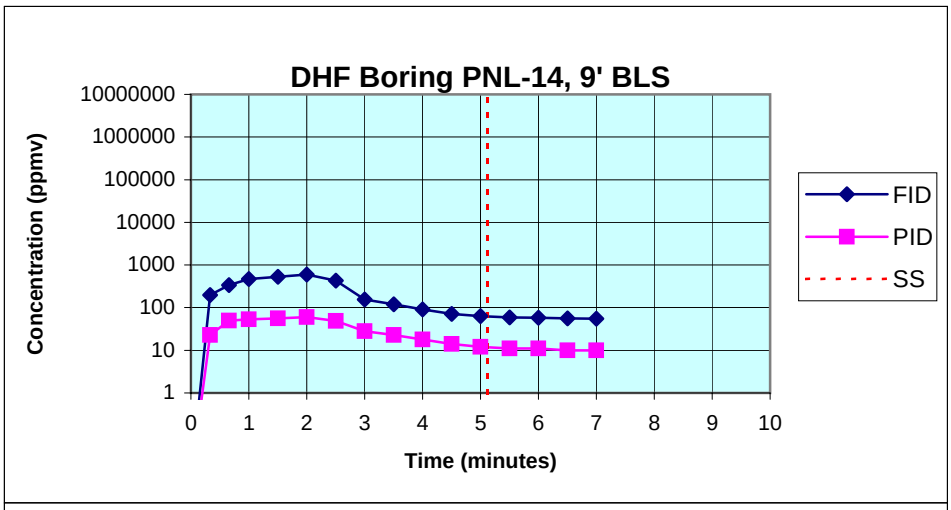


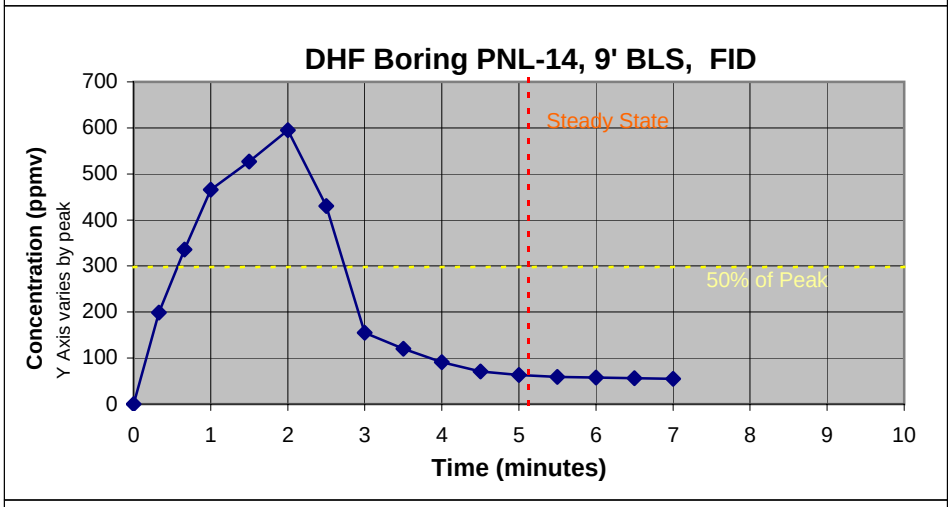


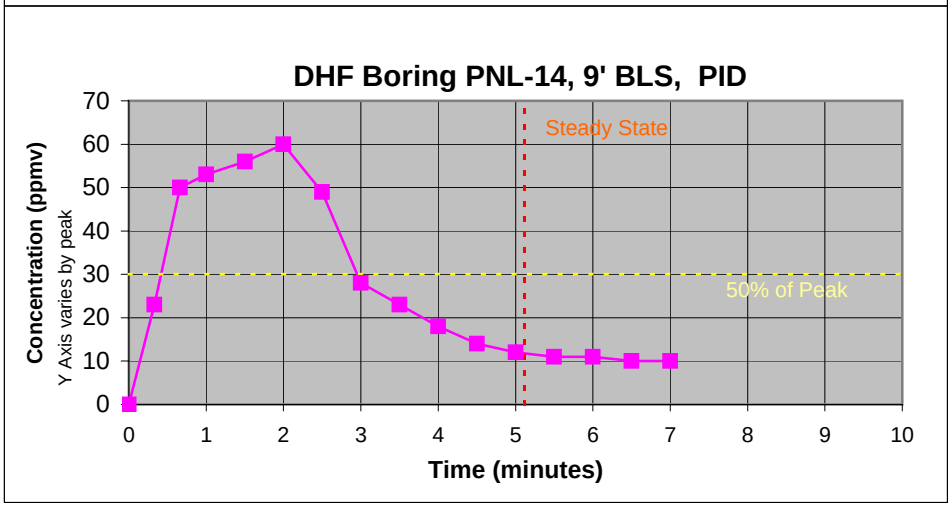


PNL-14-9'

TIME	FID	PID
0.00	0.01	0.01
0.33	199	23
0.66	336.0	50.0
1	466.0	53.0
1.5	527.0	56.0
2	595	60
2.5	430	49
3	155	28
3.5	120	23
4	91	18
4.5	71	14
5	63	12
5.5	59	11
6	58	11
6.5	56	10
7	55	10
Peak	595	60
SS Value	63	12
SS % Pk	11%	20%



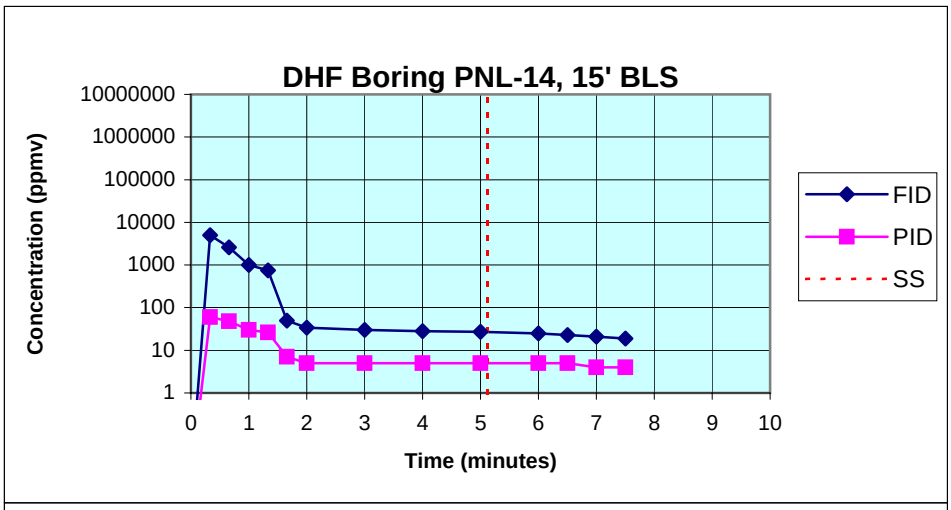


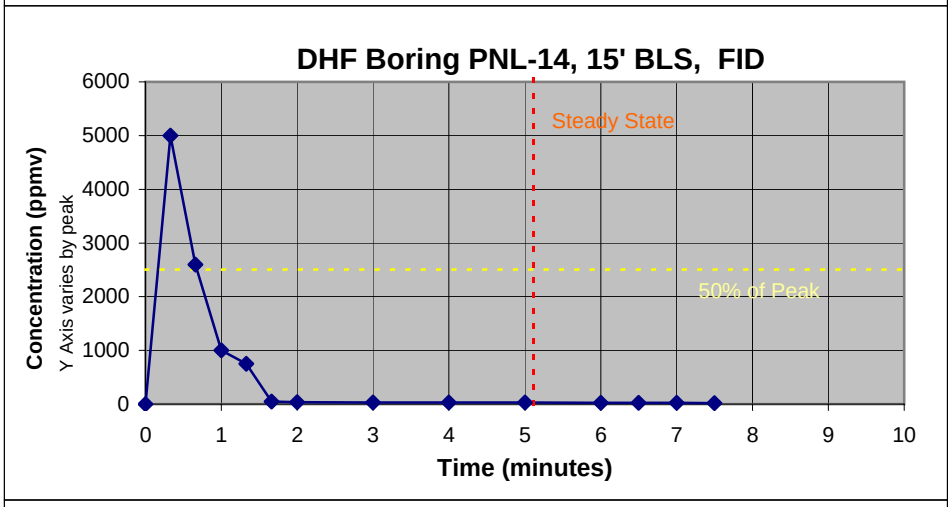


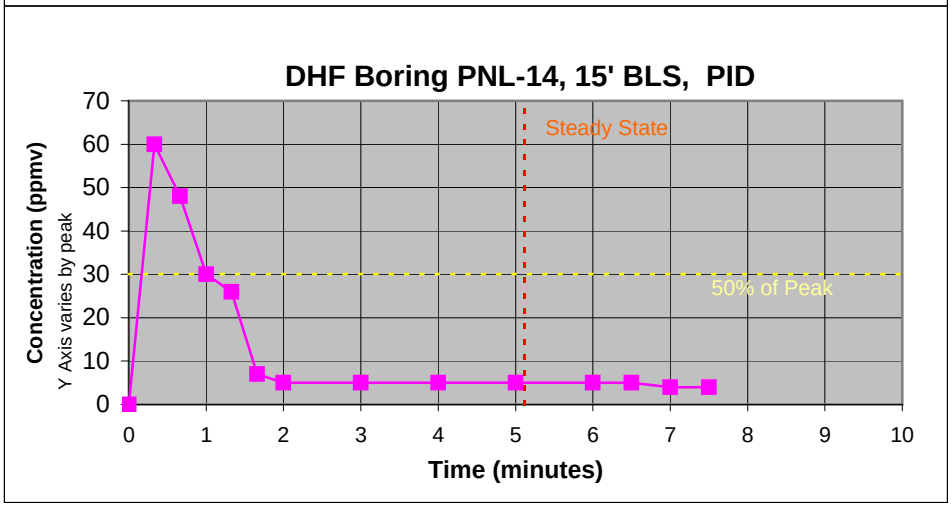
PNL-14-15'

TIME	FID	PID
0.00	0.01	0.01
0.33	5000.0	60
0.66	2600.0	48
1	1000	30
1.33	750	26
1.66	50	7
2	34	5
3	30	5
4	28	5
5	27	5
6	25	5
6.5	23	5
7	21	4
7.5	19	4

Peak	5000	60
SS Value	27	5
SS % Pk	1%	8%

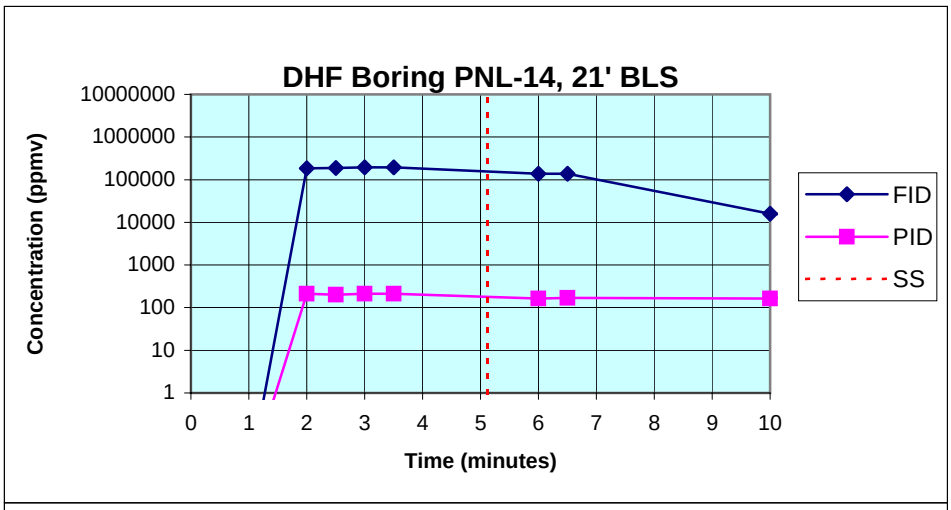


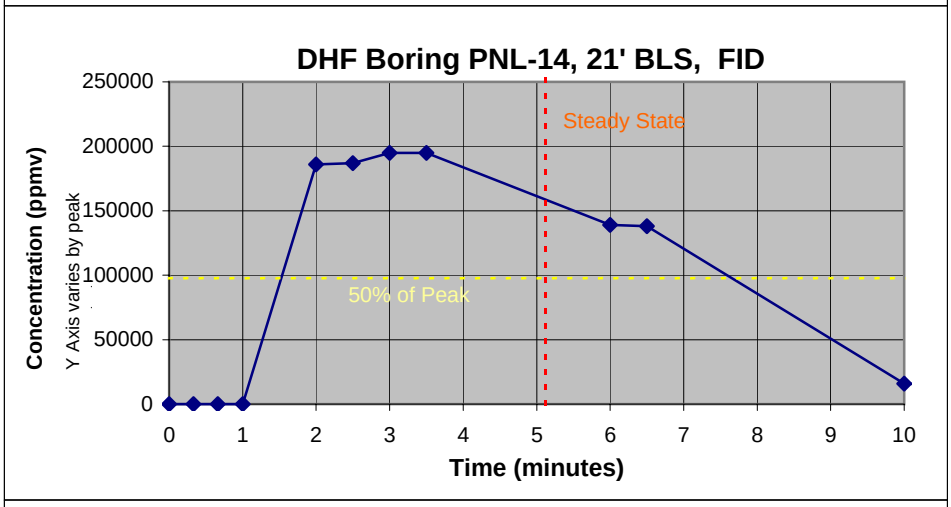


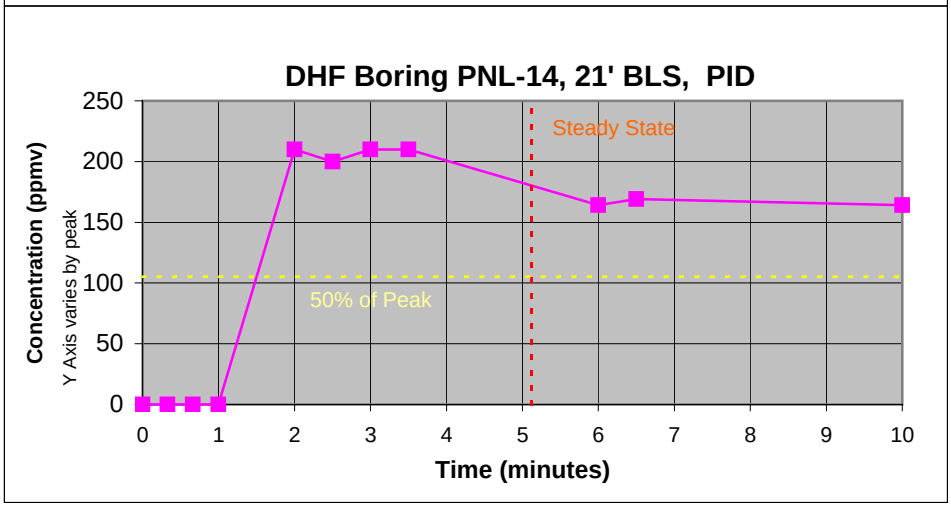


PNL-14-21'

TIME	FID	PID
0.00	0.01	0.01
0.33	0.01	0.01
0.66	0.01	0.01
1	0.01	0.01
2	186000	210
2.5	187000	200
3	195000	210
3.5	195000	210
6	139000	164
6.5	138000	169
10	16000	164
10.5	15000	177
11.5	13300	3.2
12.5	13800	2.8
13	14000	2.7
13.5	14000	2.6
14.5	14000	198
15	15000	200
15.5	15000	200
16	14000	200
Peak	195000	210
SS Value	160000	180
SS % Pk	82%	86%

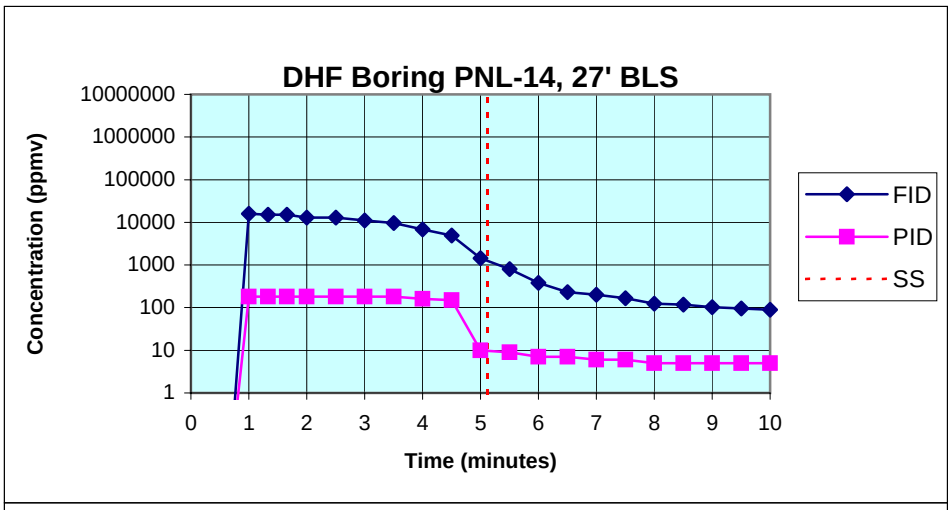


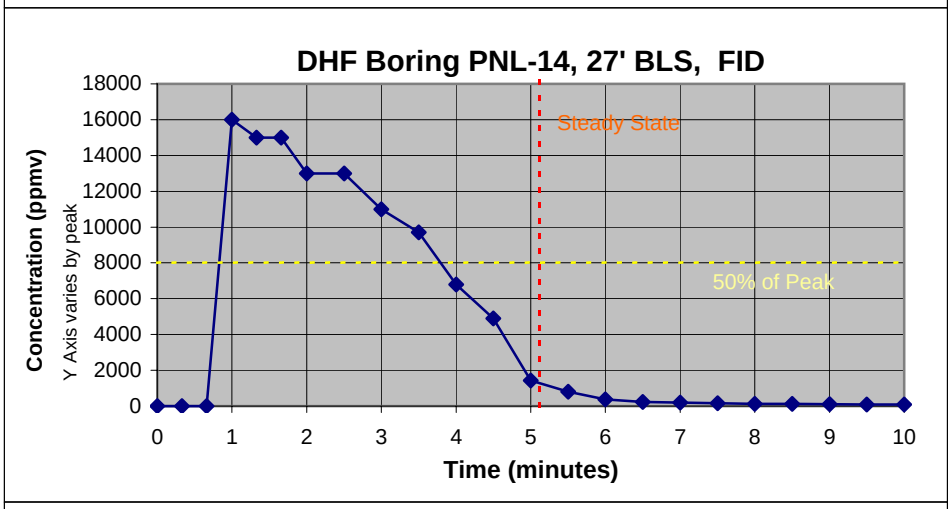


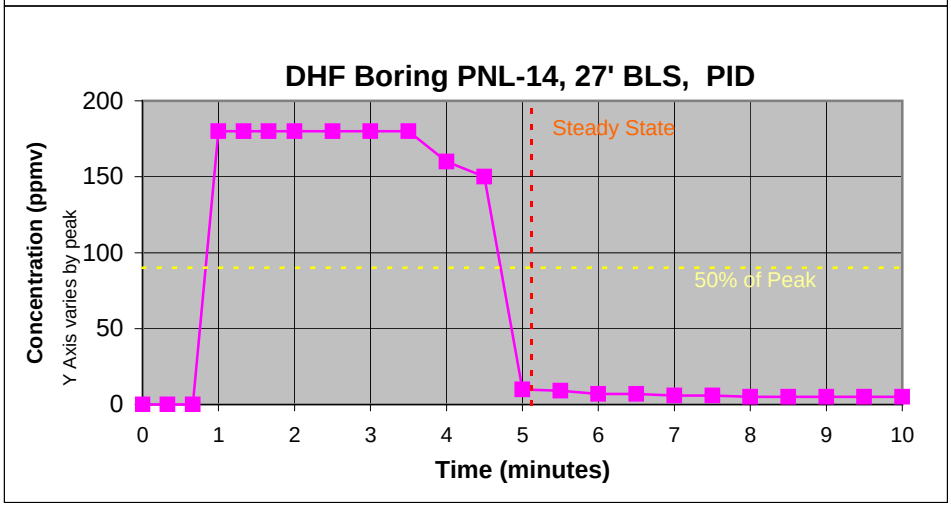


PNL-14-27'

TIME	FID	PID
0.00	0.01	0.01
0.33	0.01	0.01
0.66	0.01	0.01
1	16000	180
1.33	15000	180
1.66	15000	180
2	13000	180
2.5	13000	180
3	11000	180
3.5	9700	180
4	6800	160
4.5	4900	150
5	1430	10
5.5	800	9
6	378	7
6.5	230	7
7	200	6
7.5	165	6
8	125	5
8.5	117	5
9	103	5
9.5	95	5
10	89	5
Peak	16000	180
SS Value	1430	10
SS % Pk	9%	6%

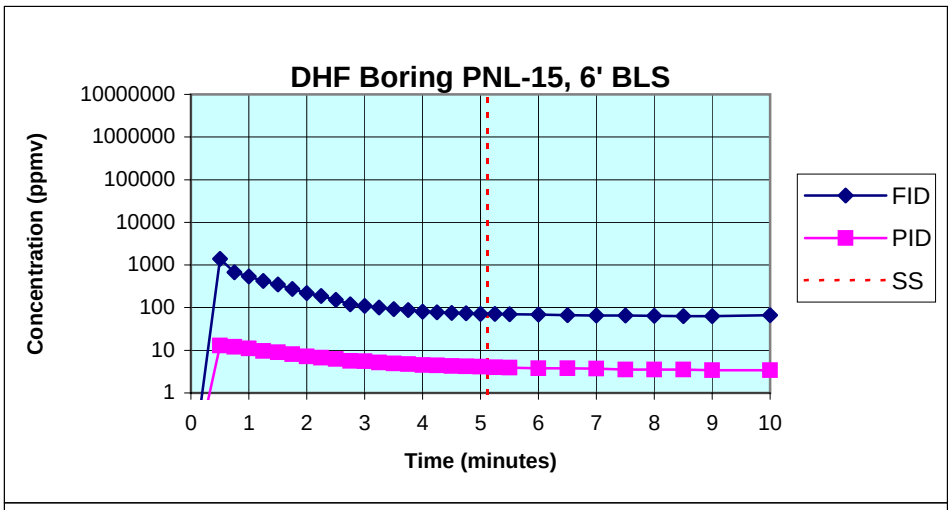


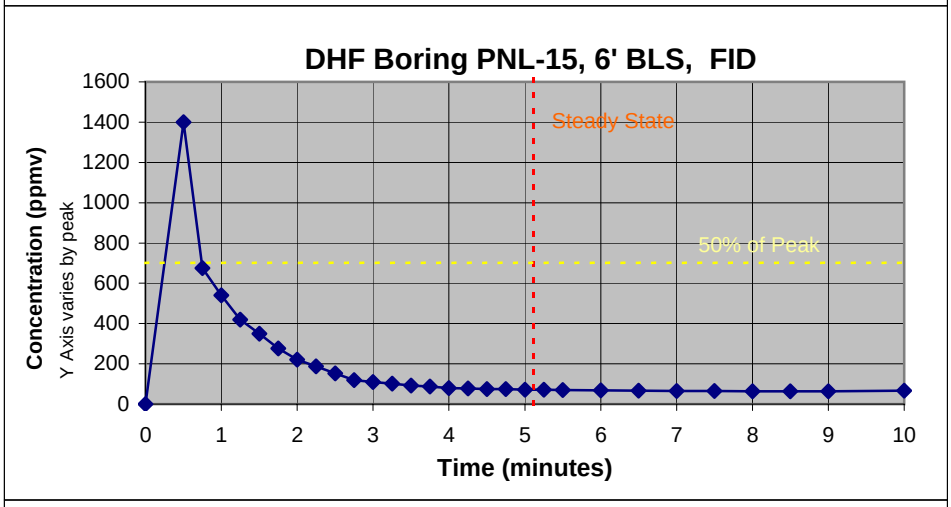


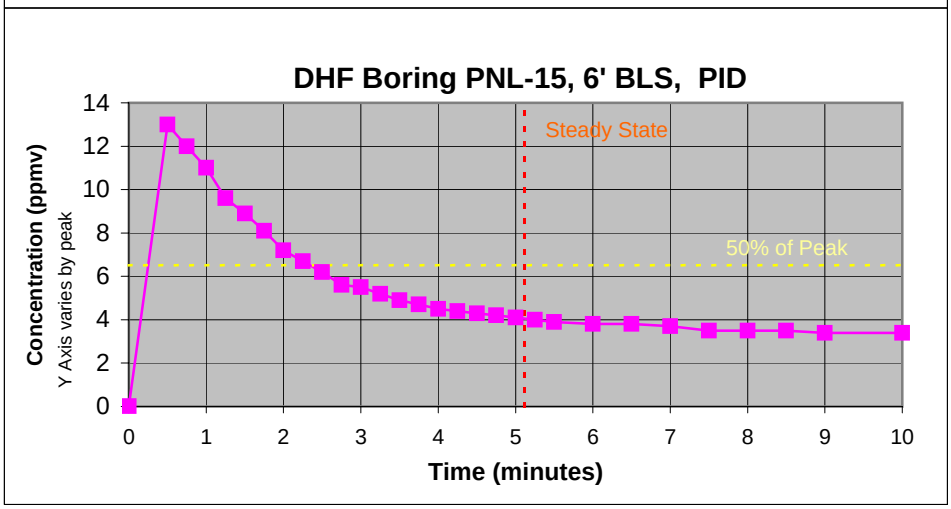


PNL-15-6'

TIME	FID	PID
0.00	0.01	0.01
0.5	1400.0	13
0.75	675.0	12
1	540.0	11
1.25	420	9.6
1.5	350	8.9
1.75	276	8.1
2	221	7.2
2.25	187	6.7
2.5	153	6.2
2.75	119	5.6
3	109	5.5
3.25	101	5.2
3.5	92	4.9
3.75	88	4.7
4	80	4.5
4.25	78	4.4
4.5	75	4.3
4.75	74	4.2
5	71	4.1
5.25	71	4
5.5	70	3.9
6	69	3.8
6.5	66	3.8
7	65	3.7
7.5	65	3.5
8	64	3.5
8.5	63	3.5
9	63	3.4
10	67	3.4
Peak	1400	13
SS Value	71	4.1
SS % Pk	5%	32%

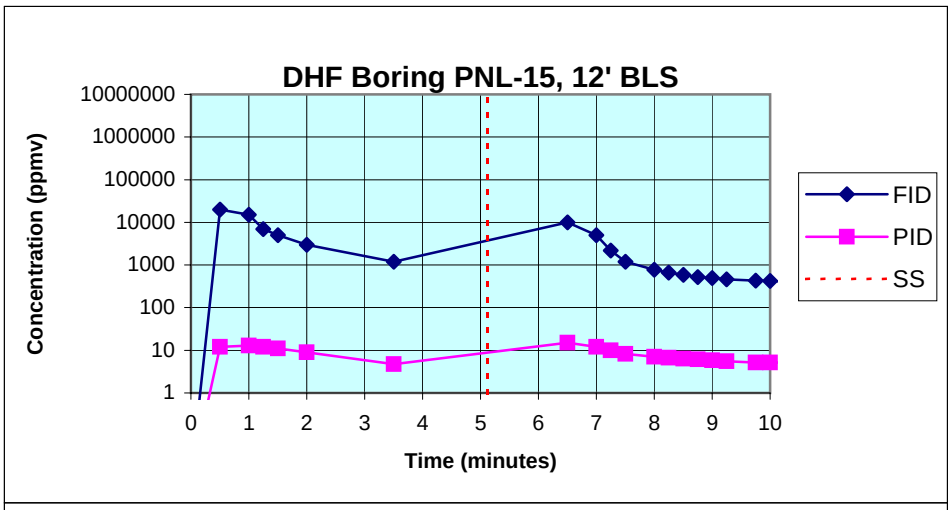


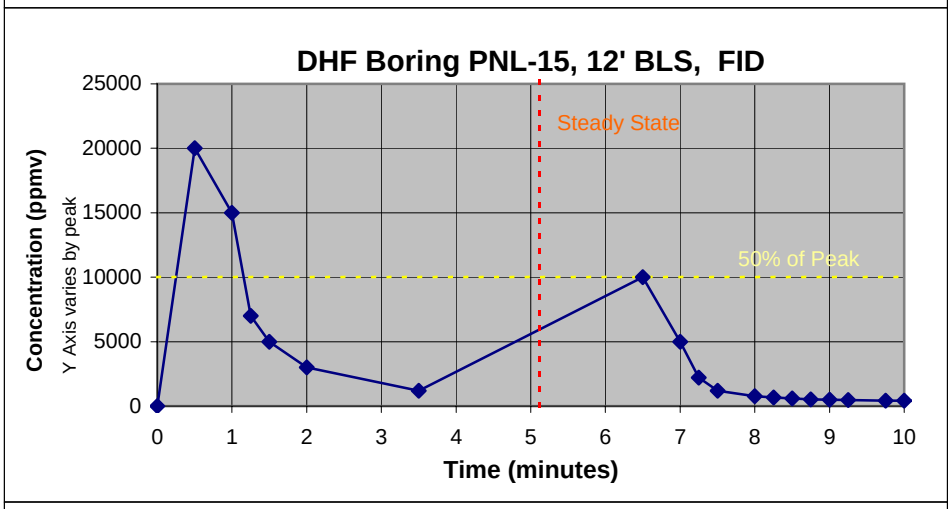


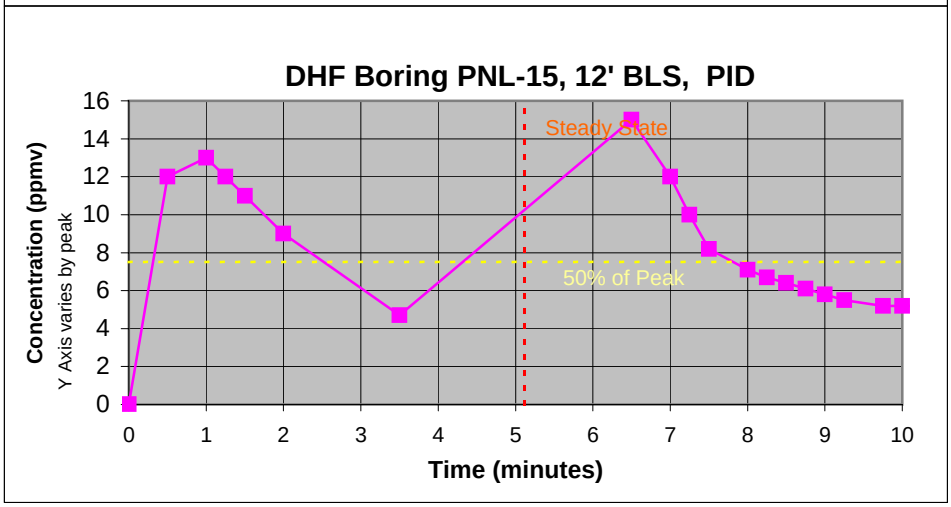


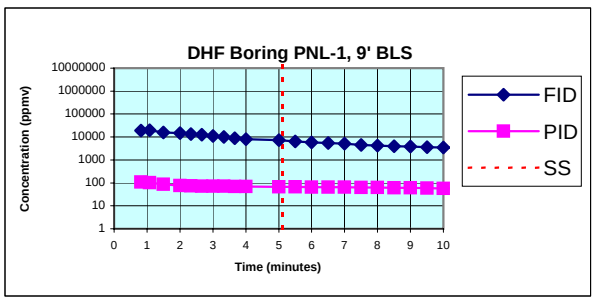
PNL-15-12'

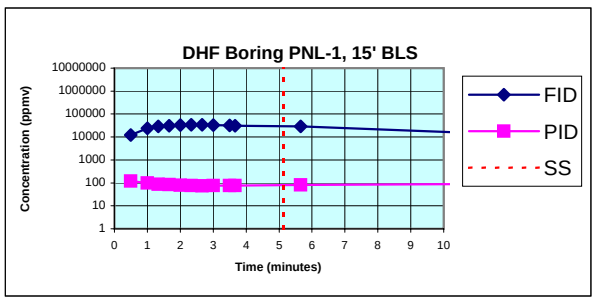
TIME	FID	PID
0.00	0.01	0.01
0.5	20000.0	12
1	15000.0	13
1.25	7000	12
1.5	5000	11
2	3000	9
3.5	1200	4.7
6.5	10000	15
7	5000	12
7.25	2200	10
7.5	1200	8.2
8	780	7.1
8.25	660	6.7
8.5	590	6.4
8.75	520	6.1
9	490	5.8
9.25	460	5.5
9.75	430	5.2
10	420	5.2
10.25	407	5.2
10.5	400	5
10.75	390	5
11	380	4.9
Peak	20000	15
SS Value	6000	10
SS % Pk	30%	67%

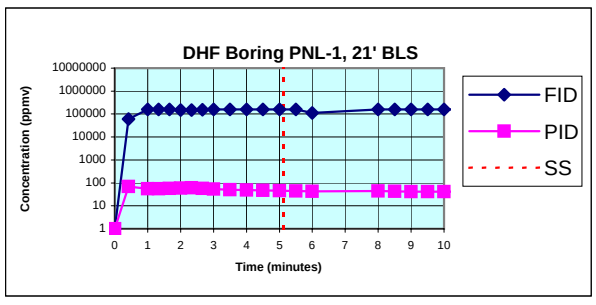


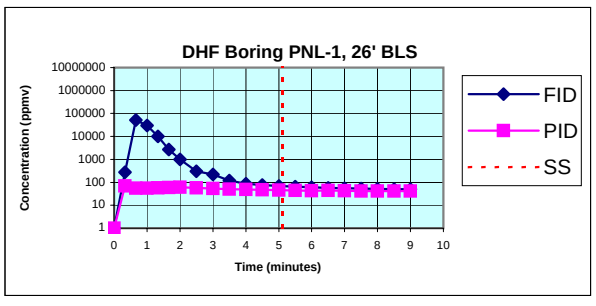


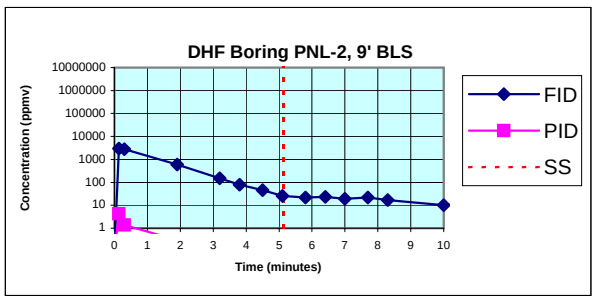


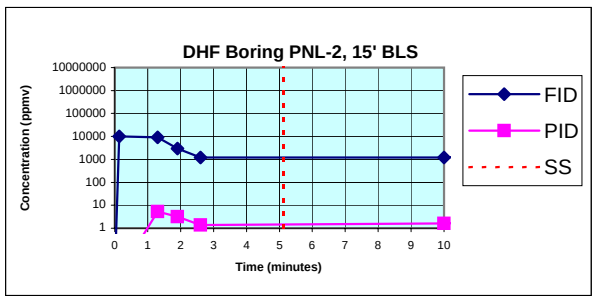

DHF Boring PNL-1, 9' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

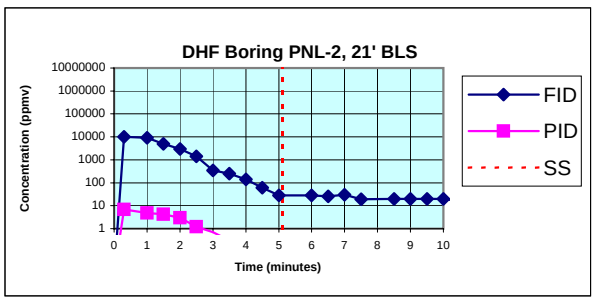

DHF Boring PNL-1, 15' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

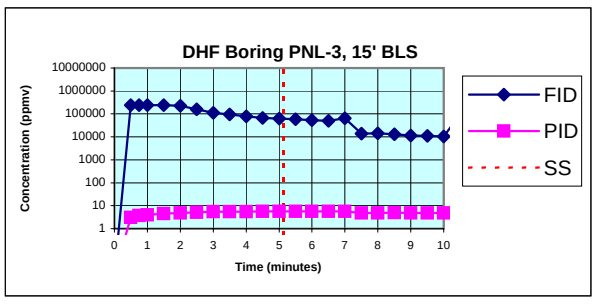

DHF Boring PNL-1, 21' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

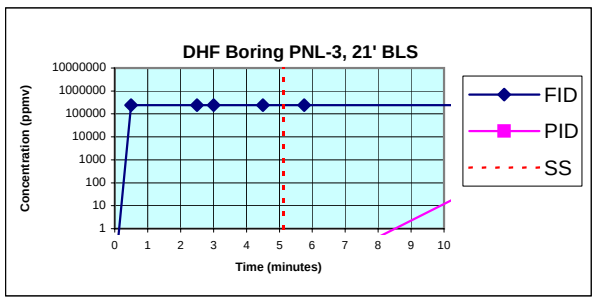

DHF Boring PNL-1, 26' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

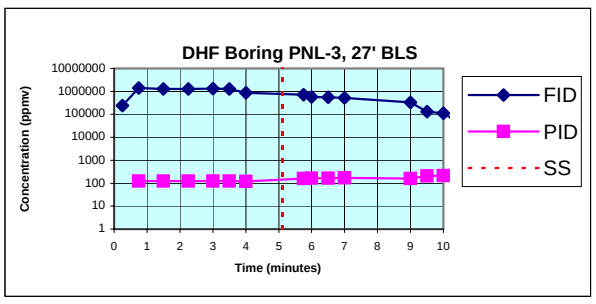

DHF Boring PNL-2, 9' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

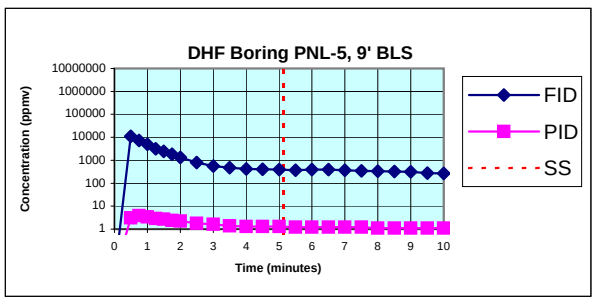

DHF Boring PNL-2, 15' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

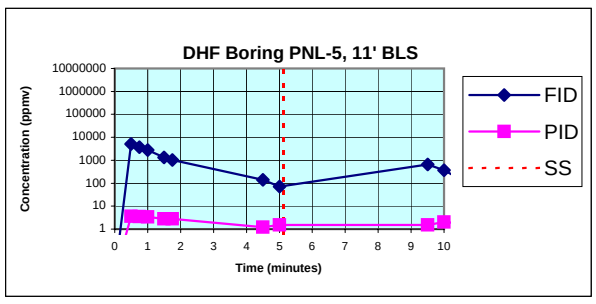

DHF Boring PNL-2, 21' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

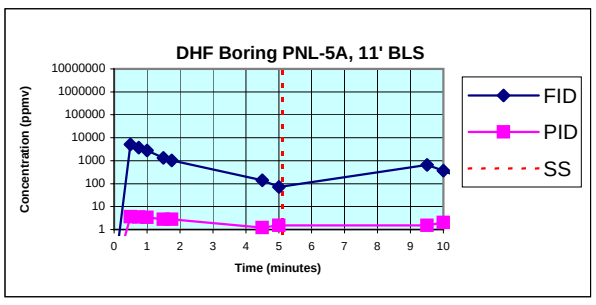

DHF Boring PNL-3, 15' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

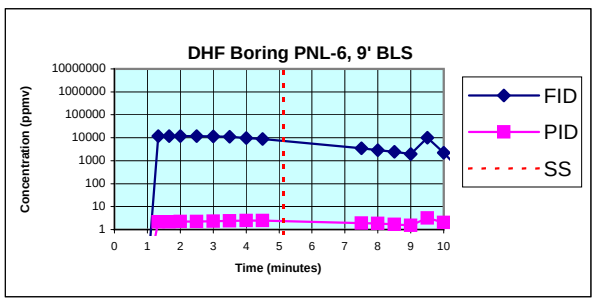

DHF Boring PNL-3, 21' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

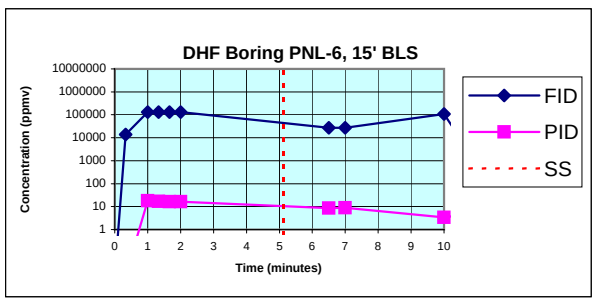

DHF Boring PNL-3, 27' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

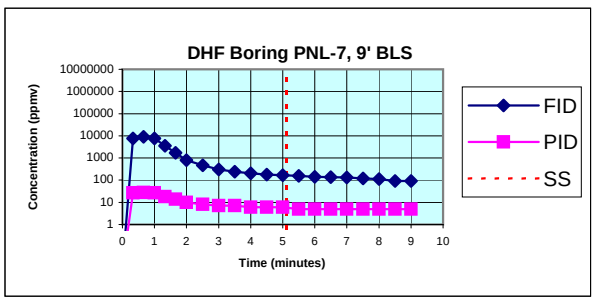

DHF Boring PNL-5, 9' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

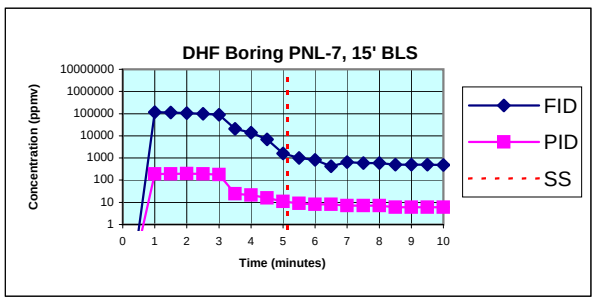

DHF Boring PNL-5, 11' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

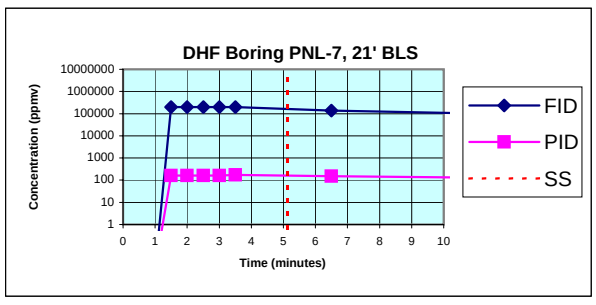

DHF Boring PNL-5A, 11' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

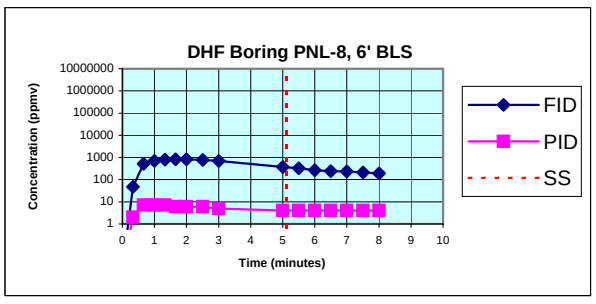

DHF Boring PNL-6, 9' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

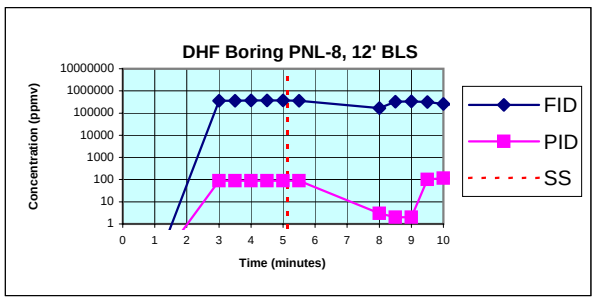

DHF Boring PNL-6, 15' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

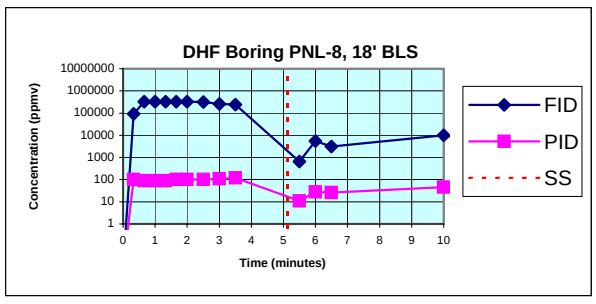

DHF Boring PNL-7, 9' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

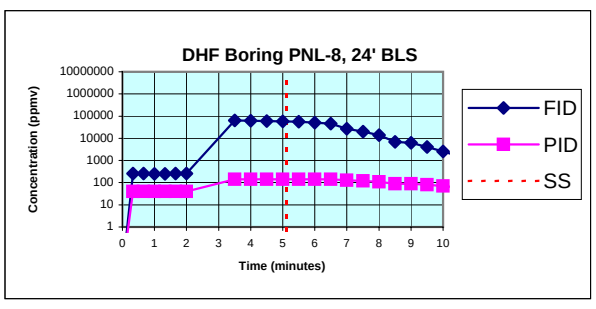

DHF Boring PNL-7, 15' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

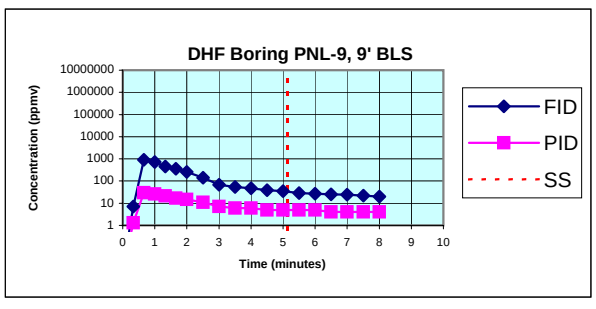

DHF Boring PNL-7, 21' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

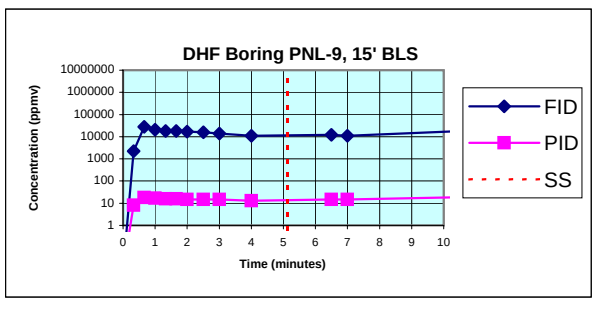

DHF Boring PNL-8, 6' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

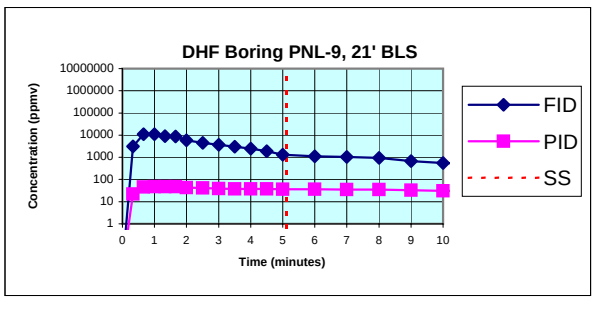

DHF Boring PNL-8, 12' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

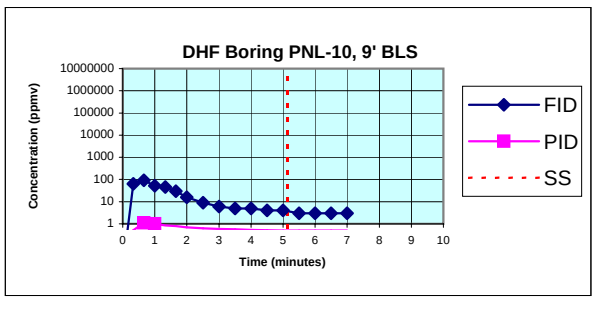

DHF Boring PNL-8, 18' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

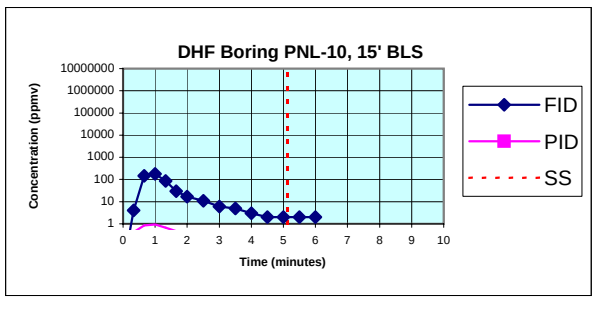

DHF Boring PNL-8, 24' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

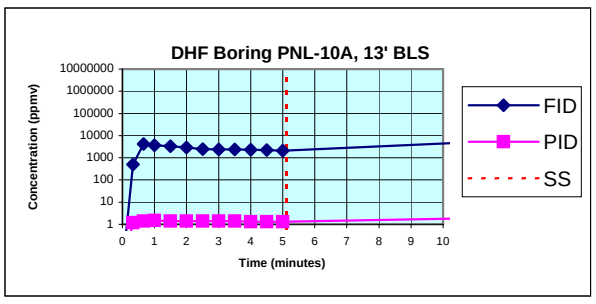

DHF Boring PNL-9, 9' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

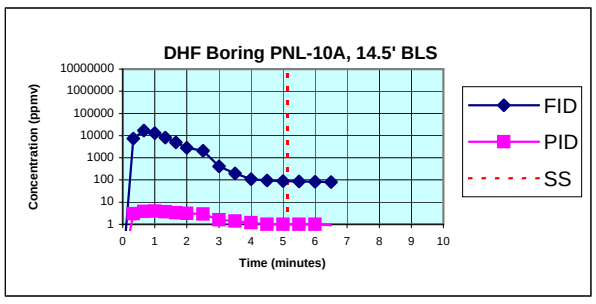

DHF Boring PNL-9, 15' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

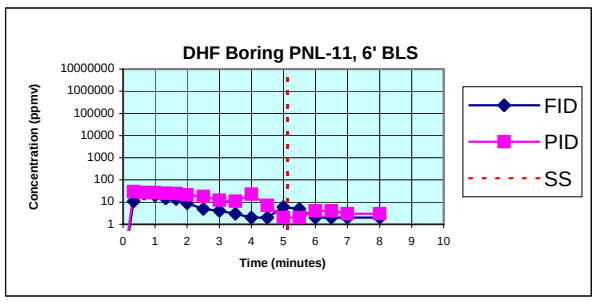

DHF Boring PNL-9, 21' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

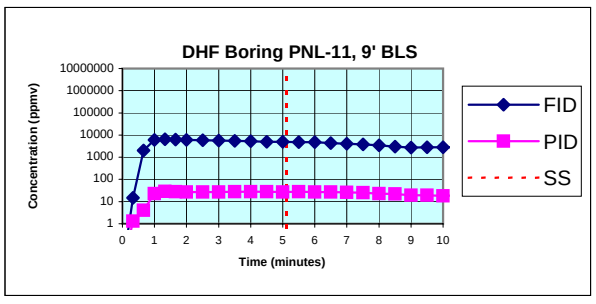

DHF Boring PNL-10, 9' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

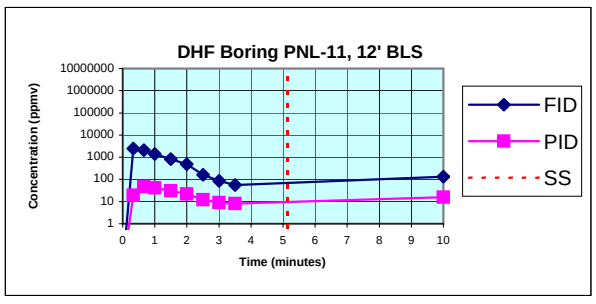

DHF Boring PNL-10, 15' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

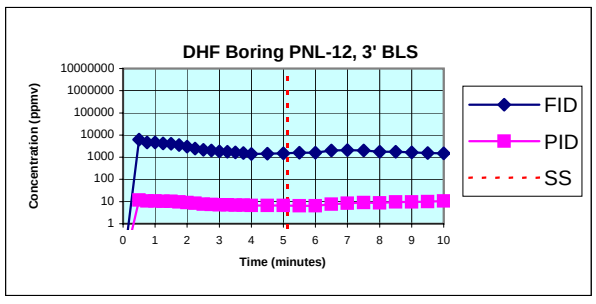

DHF Boring PNL-10A, 13' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

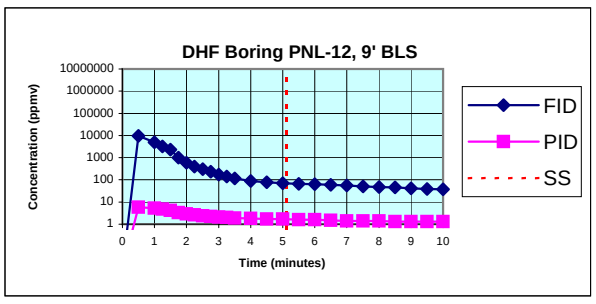

DHF Boring PNL-10A, 14.5' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

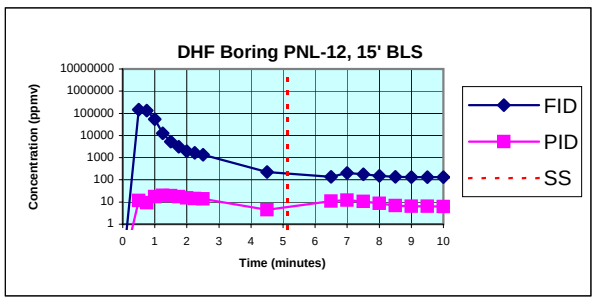

DHF Boring PNL-11, 6' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

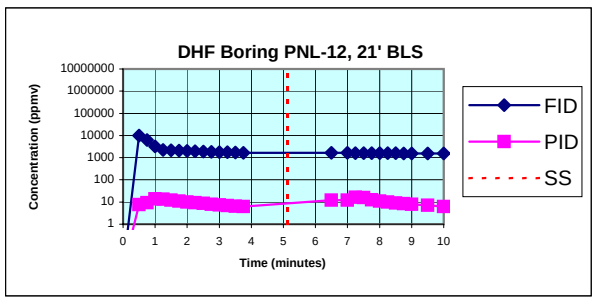

DHF Boring PNL-11, 9' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

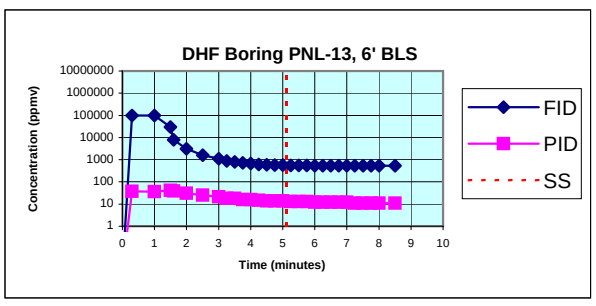

DHF Boring PNL-11, 12' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

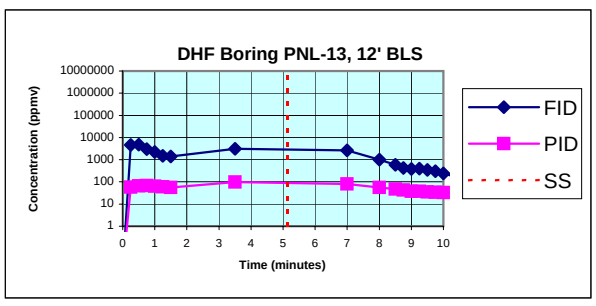

DHF Boring PNL-12, 3' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

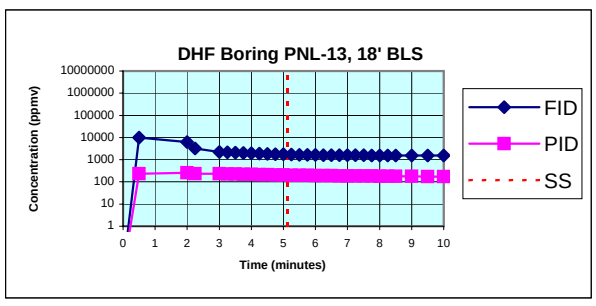

DHF Boring PNL-12, 9' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

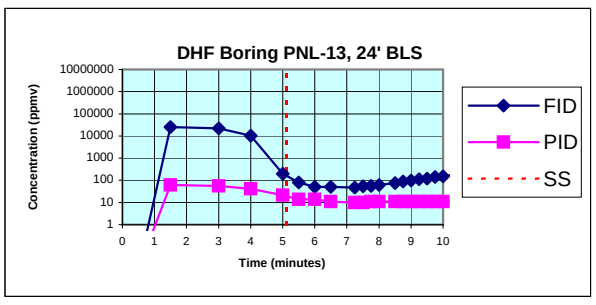

DHF Boring PNL-12, 15' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

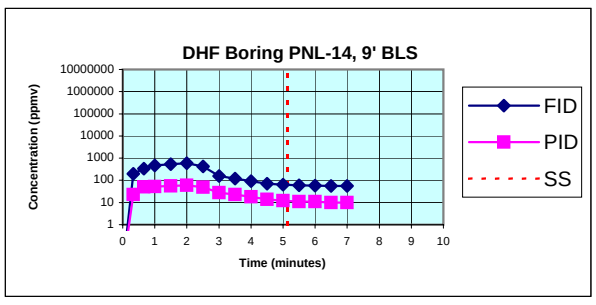

DHF Boring PNL-12, 21' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

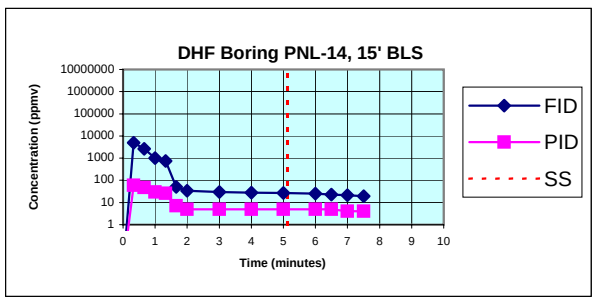

DHF Boring PNL-13, 6' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

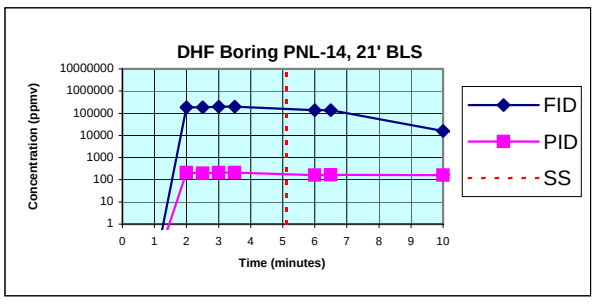

DHF Boring PNL-13, 12' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

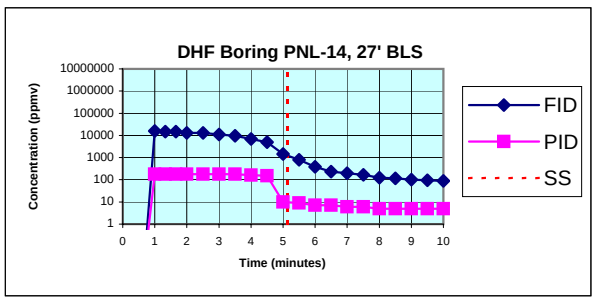

DHF Boring PNL-13, 18' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

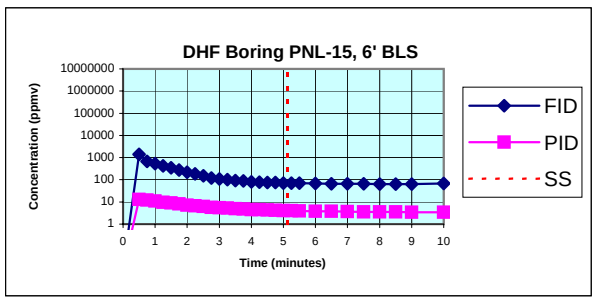

DHF Boring PNL-13, 24' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

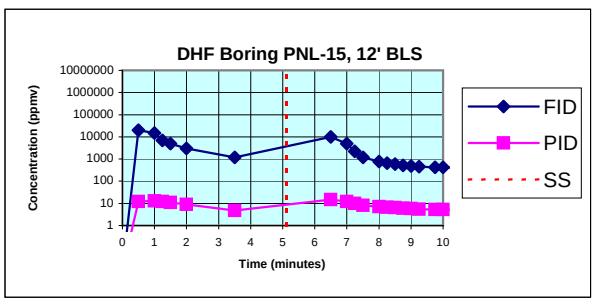

DHF Boring PNL-14, 9' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS


DHF Boring PNL-14, 15' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS


DHF Boring PNL-14, 21' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

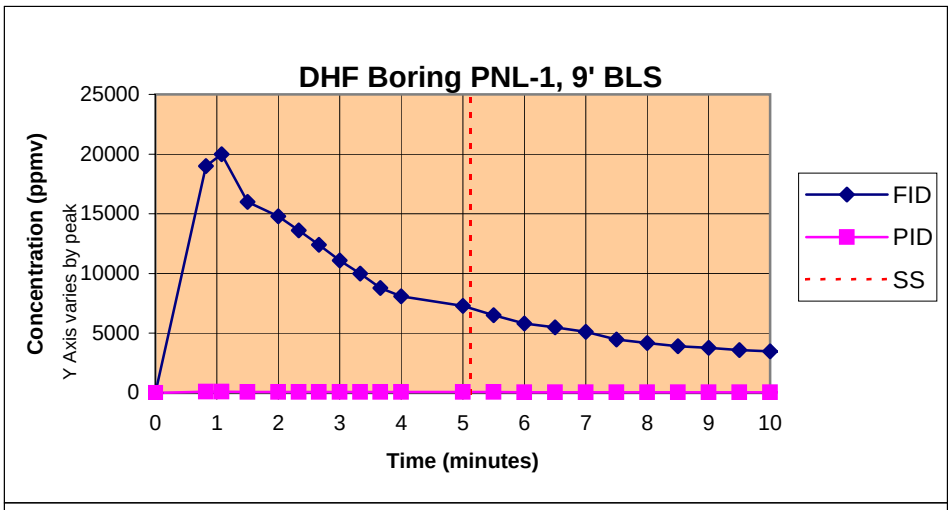

DHF Boring PNL-14, 27' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

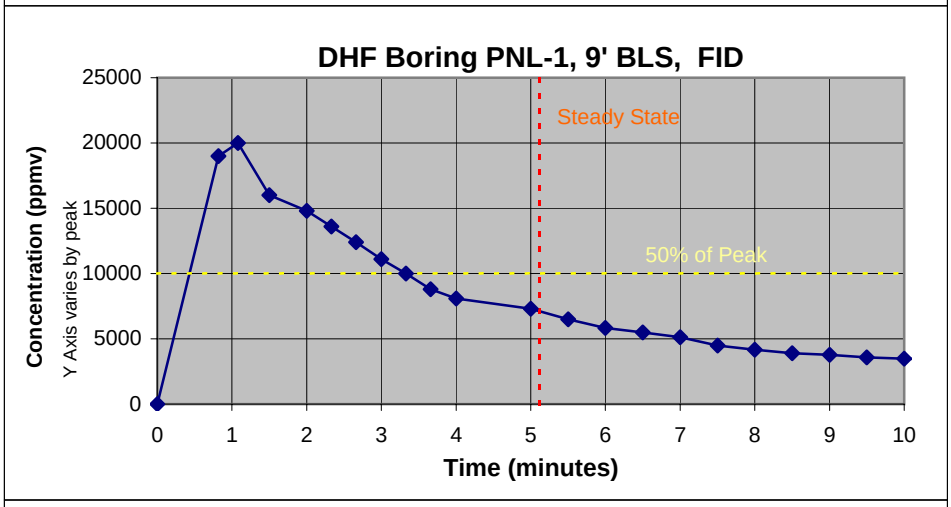

DHF Boring PNL-15, 6' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

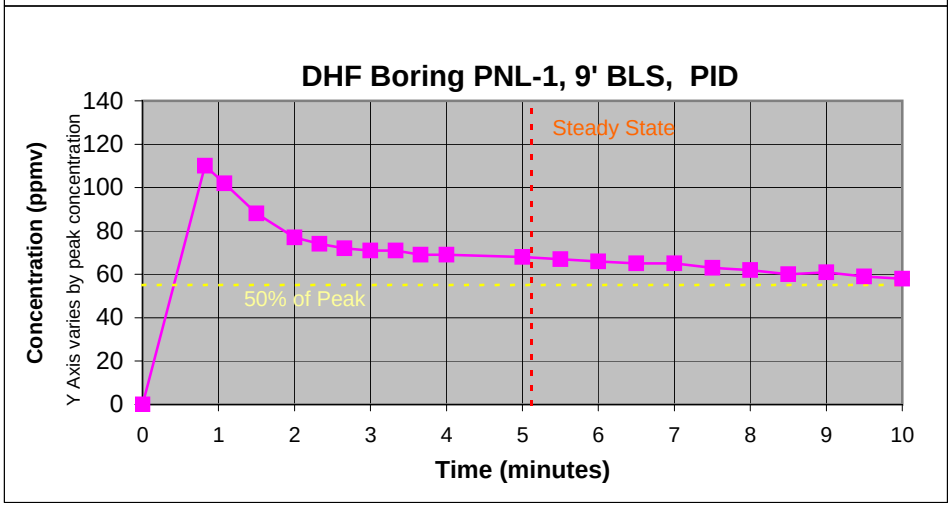

DHF Boring PNL-15, 12' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

PNL-1-9'

TIME	FID	PID
0.00	0	0
0.82	19000	110
1.08	20000	102
1.5	16000	88
2	14800	77
2.33	13600	74
2.66	12400	72
3	11100	71
3.33	10000	71
3.66	8800	69
4	8100	69
5	7300	68
5.5	6500	67
6	5825	66
6.5	5500	65
7	5130	65
7.5	4475	63
8	4170	62
8.5	3900	60
9	3780	61
9.5	3580	59
10	3477	58
10.5	3402	57
11	3360	56
11.5	3270	55
12	3122	54
12.5	3070	54
13	3037	54
13.5	2916	53
14	2827	52
Peak	20000	110
SS Value	7300	68
SS % Pk	37%	62%



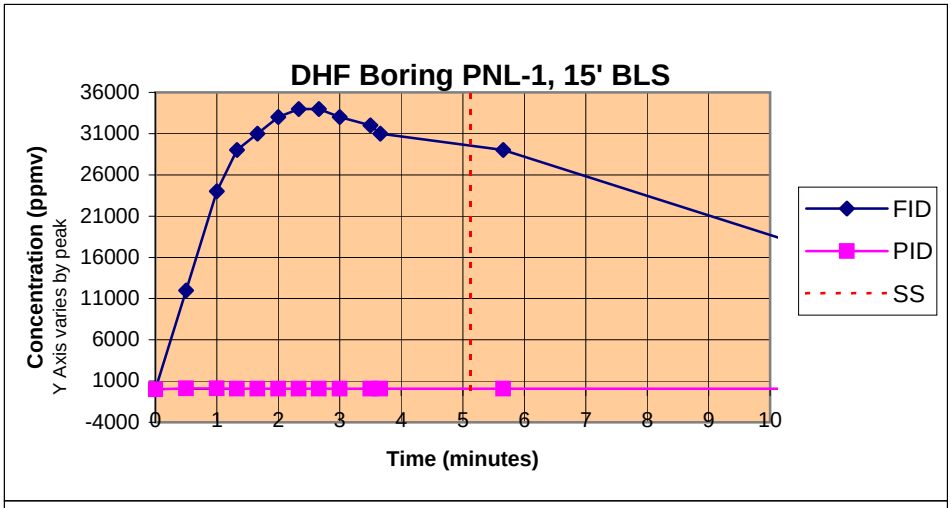


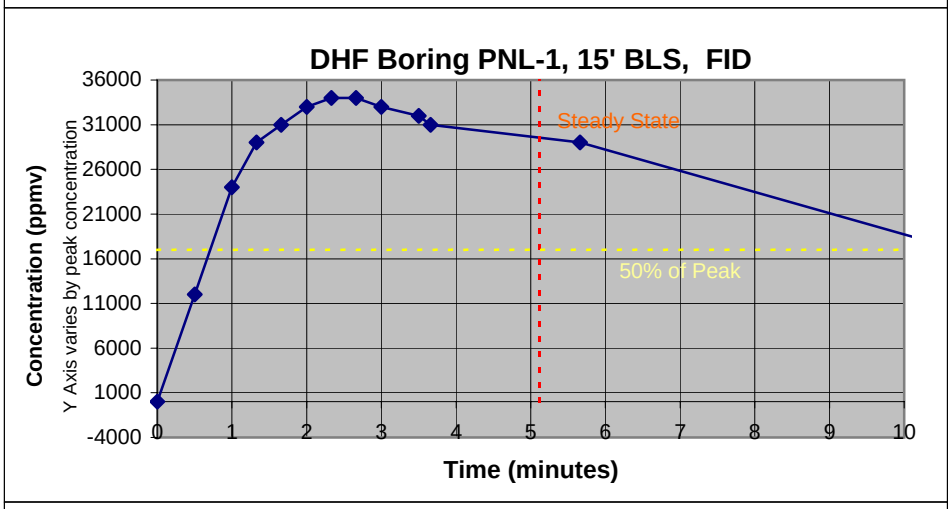


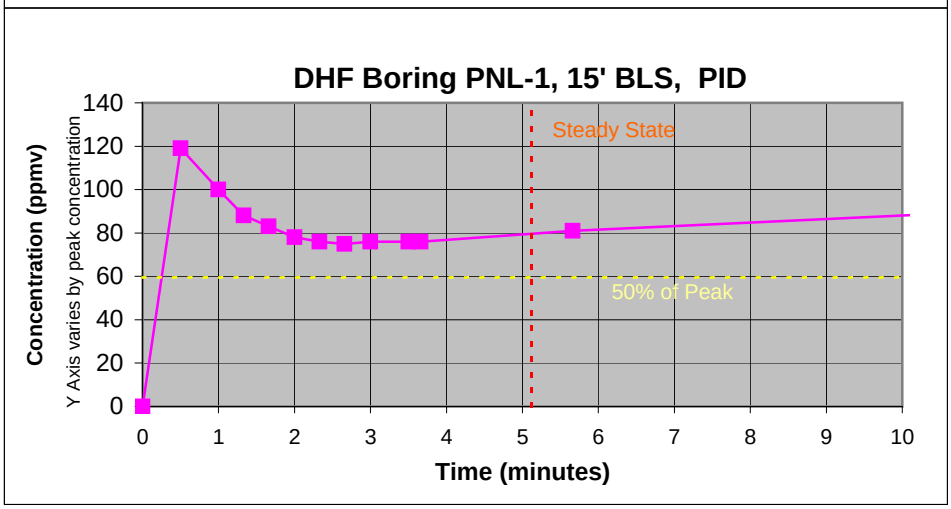
PNL-1-15'

TIME	FID	PID
0.00	0	0
0.5	12000	119
1	24000	100
1.33	29000	88
1.66	31000	83
2	33000	78
2.33	34000	76
2.66	34000	75
3	33000	76
3.5	32000	76
3.66	31000	76
5.66	29000	81
13	11600	93
13.5	13000	90
14	15000	90
14.5	15000	91
15	15000	92
15.5	15000	94
16	15000	95
16.5	15000	96

Peak	34000	119
SS Value	29000	81
SS % Pk	85%	68%

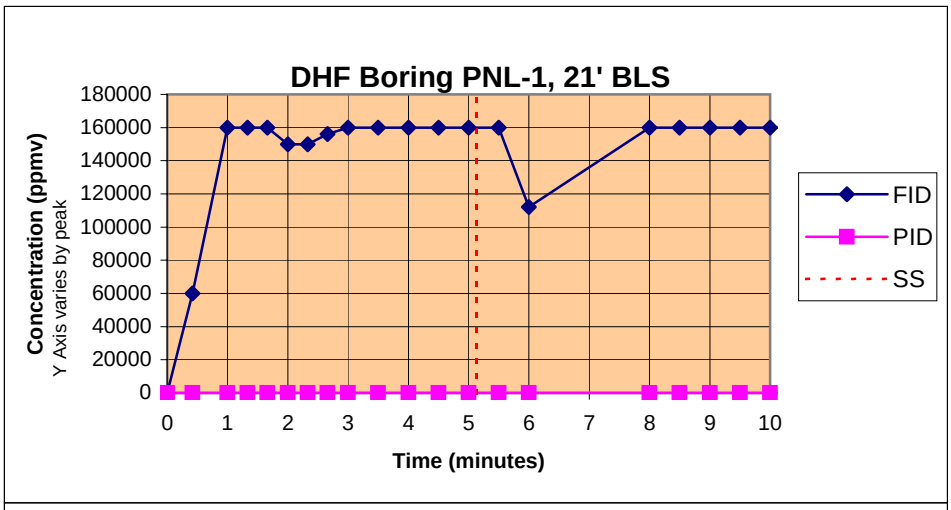


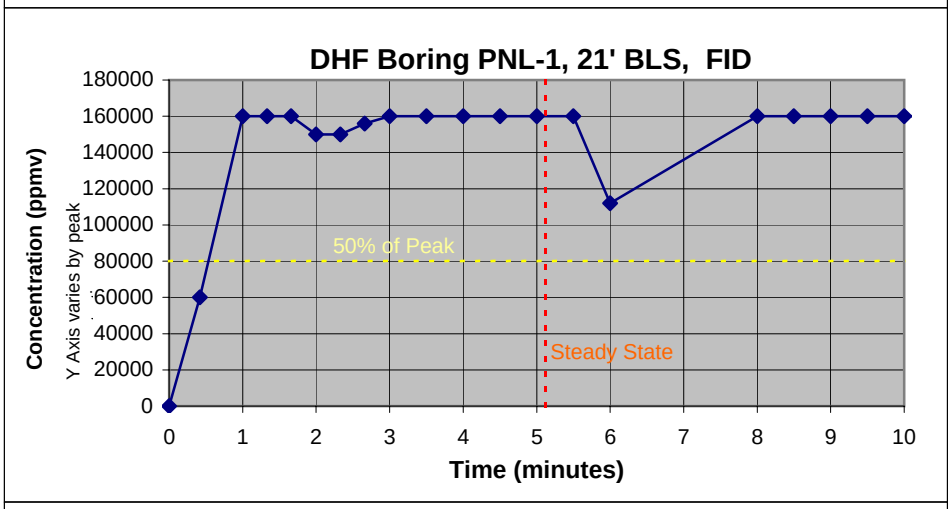


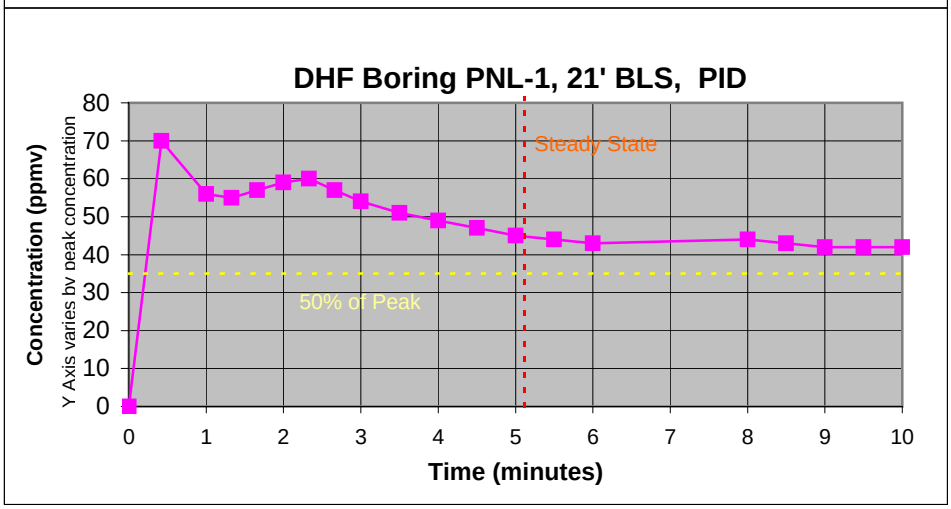


PNL-1-21'

TIME	FID	PID
0.00	0	0
0.42	60000	70
1	160000	56
1.33	160000	55
1.66	160000	57
2	150000	59
2.33	150000	60
2.66	156000	57
3	160000	54
3.5	160000	51
4	160000	49
4.5	160000	47
5	160000	45
5.5	160000	44
6	112000	43
8	160000	44
8.5	160000	43
9	160000	42
9.5	160000	42
10	160000	42
10.5	160000	42
11	160000	42
Peak	160000	70
SS Value	160000	45
SS % Pk	100%	64%



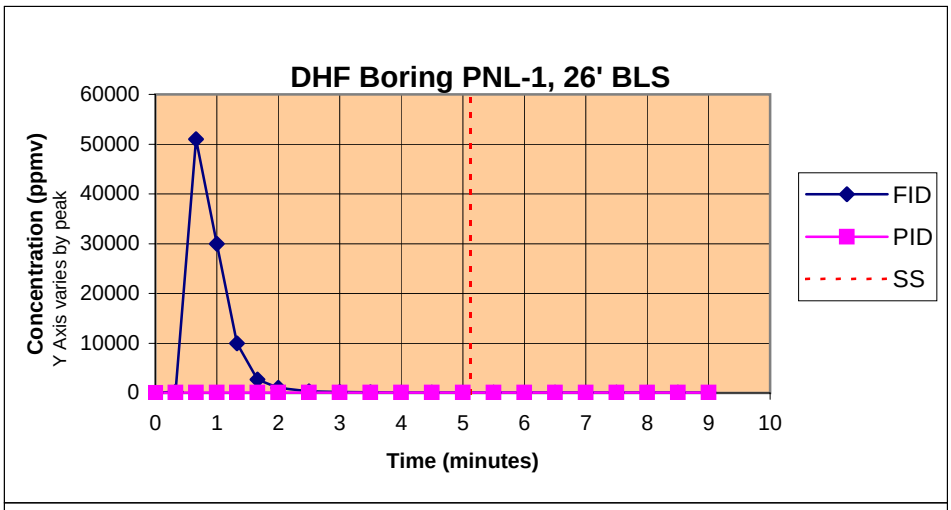


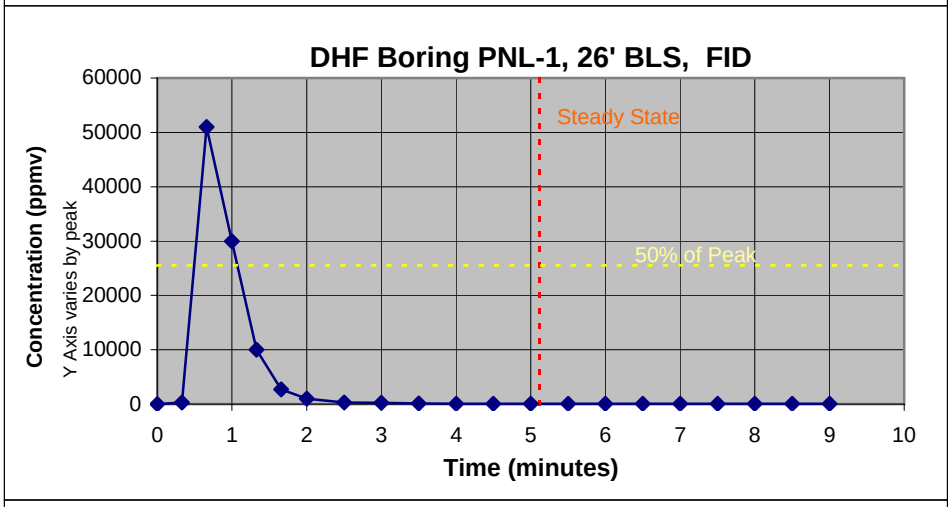


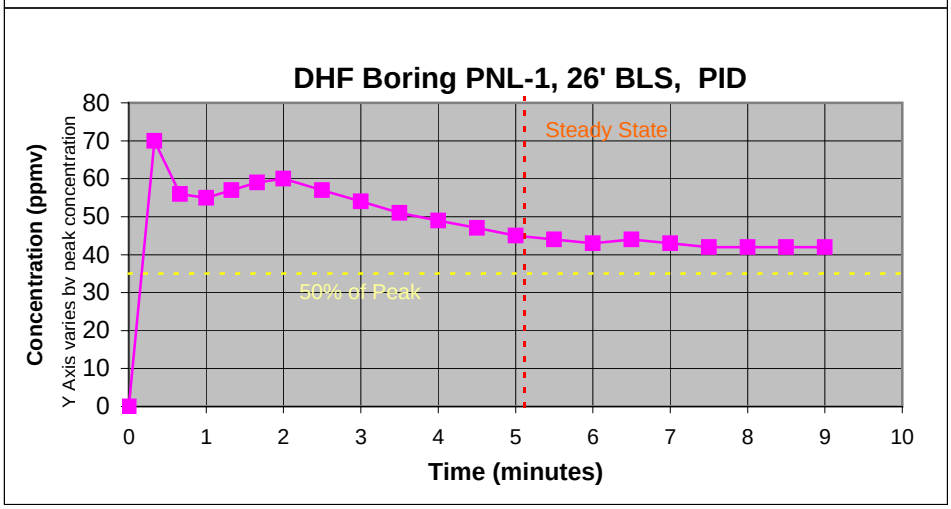
PNL-1-26'

TIME	FID	PID
0.00	0	0
0.33	280	70
0.66	51000	56
1	30000	55
1.33	10000	57
1.66	2700	59
2	1010	60
2.5	300	57
3	220	54
3.5	120	51
4	86	49
4.5	76	47
5	70	45
5.5	64	44
6	61	43
6.5	57	44
7	56	43
7.5	53	42
8	52	42
8.5	51	42
9	50	42

Peak	51000	70
SS Value	71	45
SS % Pk	0%	64%

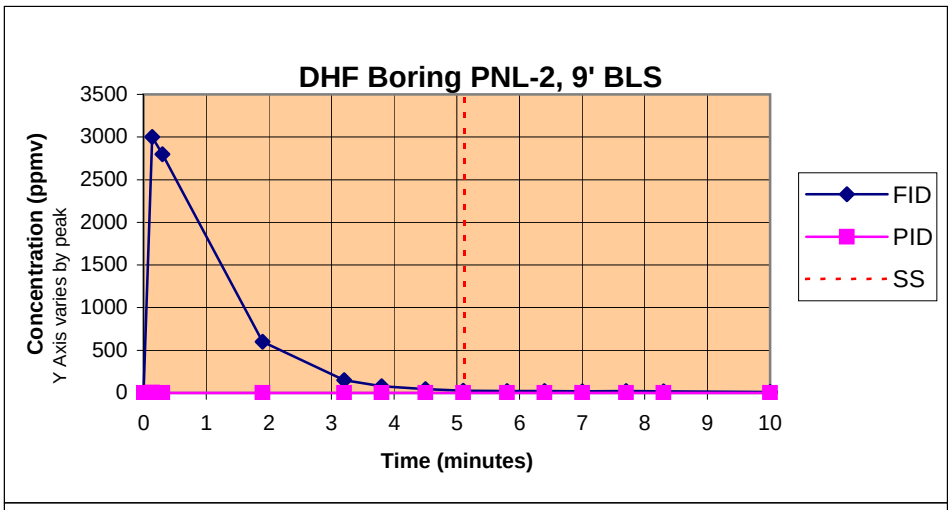


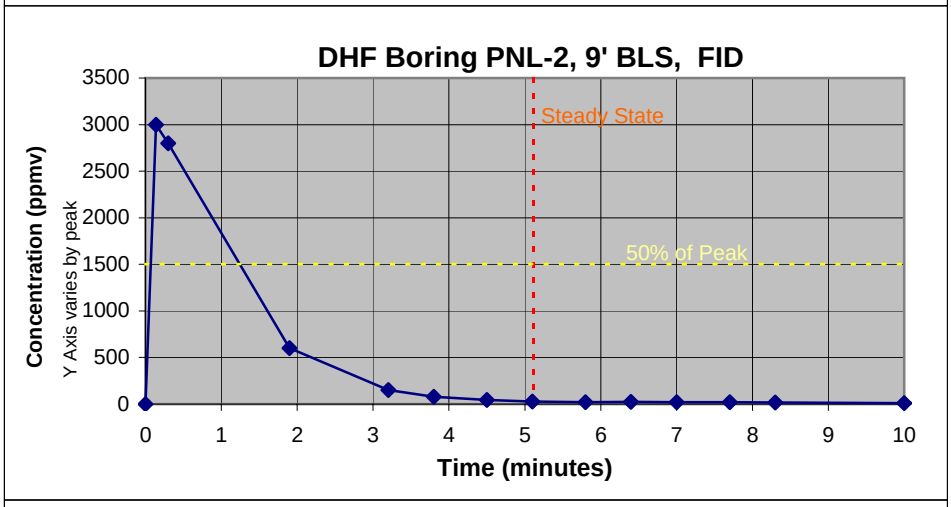


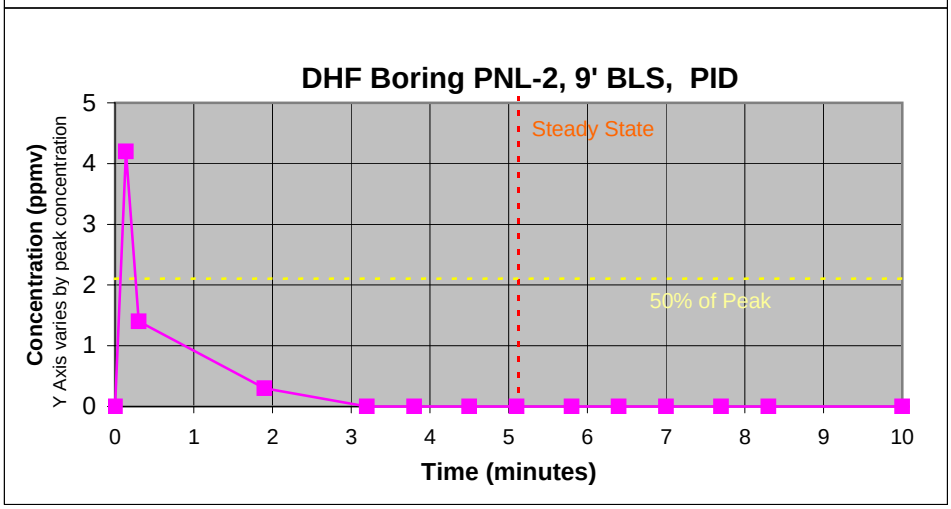


PNL-2-9'

TIME	FID	PID
0.00	0	0
0.14	3000	4.2
0.3	2800	1.4
1.9	600	0.3
3.2	150	0
3.8	80	0
4.5	45	0
5.1	26	0
5.8	22	0
6.4	23	0
7	19	0
7.7	22	0
8.3	17	0
10	10	0
11	12	0
11.5	9	0
12	10	0
13	8.5	0
		0
Peak	3000	4
SS Value	26	0
SS % Pk	1%	0%



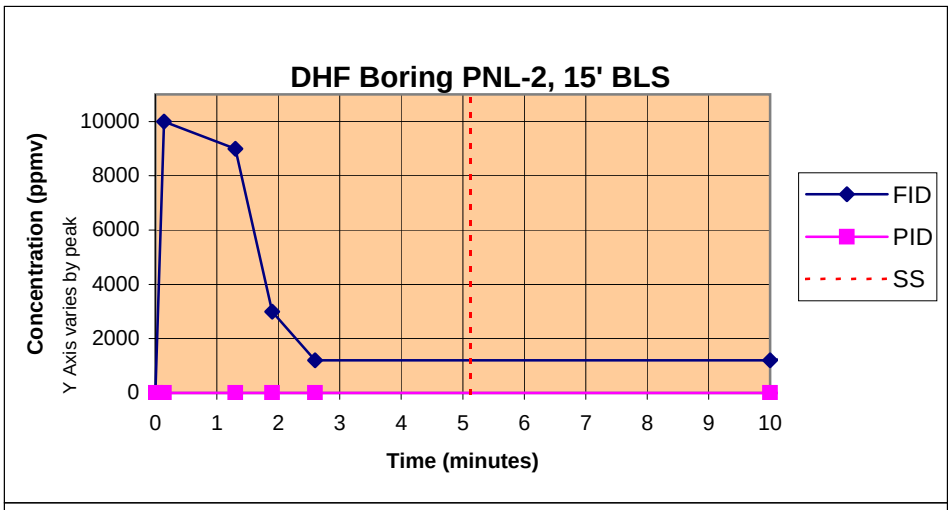


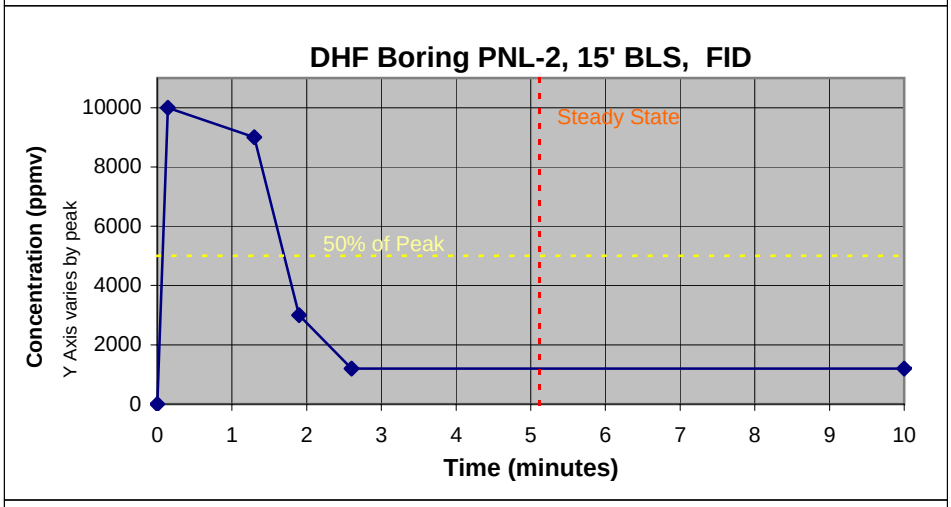


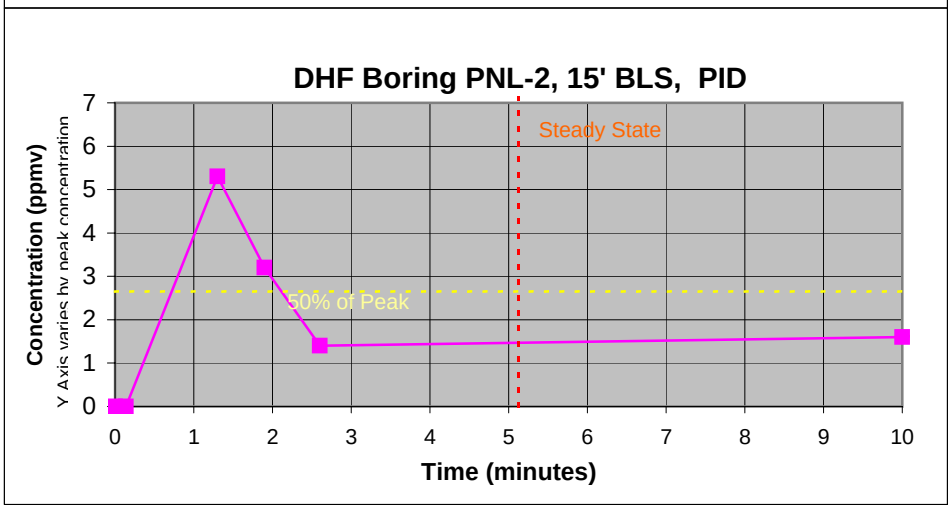
PNL-2-15'

TIME	FID	PID
0.00	0	0
0.14	10000.0	0
1.3	9000.0	5.3
1.9	3000	3.2
2.6	1200	1.4
10	1200	1.6
11.5	1500	1.9
12	500	0.7
13	200	0.1
13.5	100	0.1
14	33	0
14.5	10	0
15	8.5	0

Peak	10000	5
SS Value	1000	0
SS % Pk	10%	0%

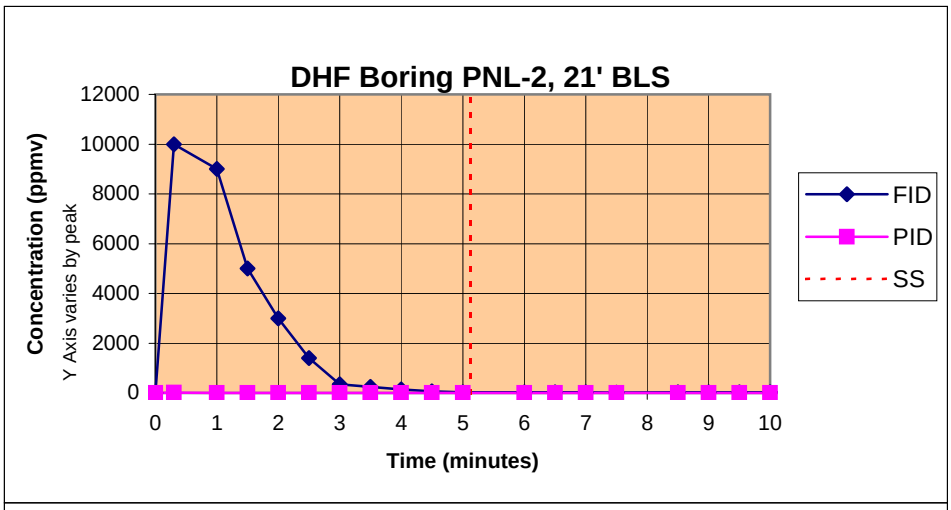


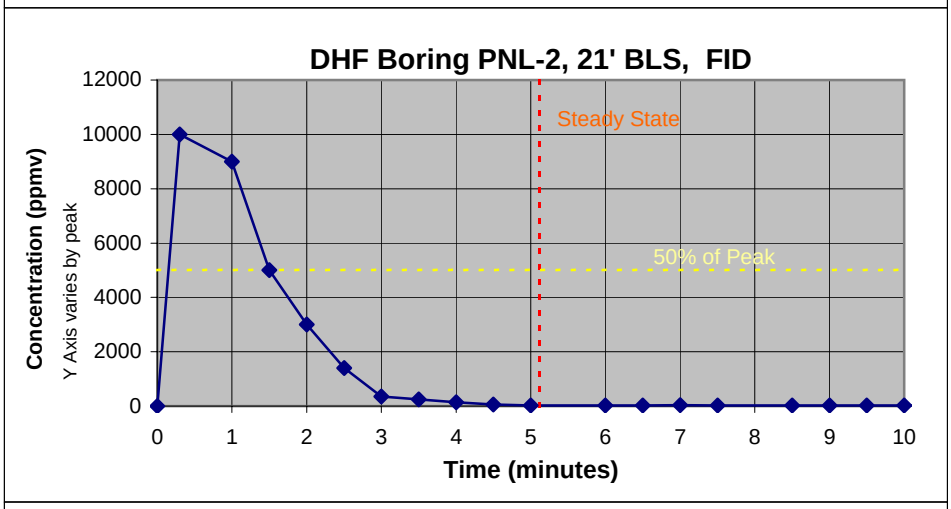


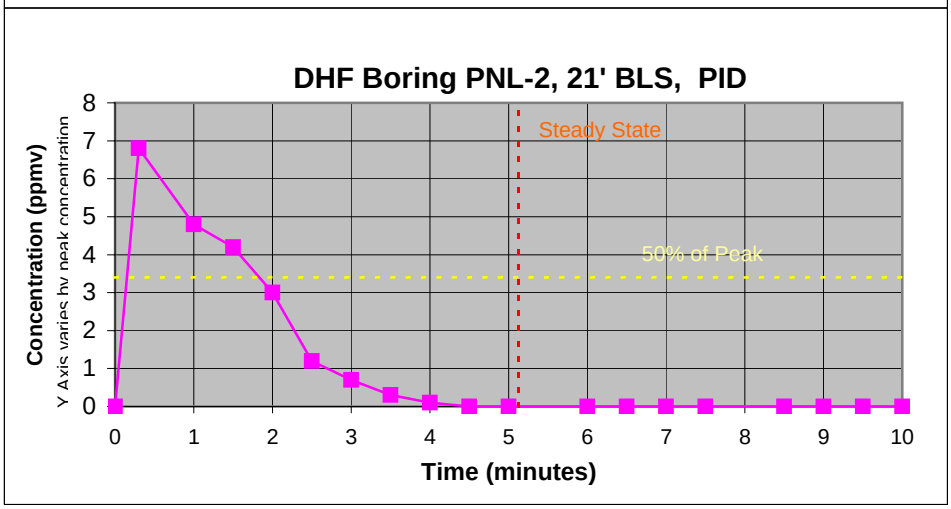


PNL-2-21'

TIME	FID	PID
0.00	0	0
0.3	10,000	6.8
1	9000.0	4.8
1.5	5000.0	4.2
2	3000	3.0
2.5	1400	1.2
3	350	0.7
3.5	250	0.3
4	140	0.1
4.5	60	0
5	28	0
6	28	0
6.5	26	0
7	30	0
7.5	19	0
8.5	20	0
9	20	0
9.5	20	0
10	20	0
10.5	16	0
11	16	0
11.5	14	0
12	16	0
12.5	16	0
13	13	0
		0
Peak	10000	7
SS Value	28	0
SS % Pk	0%	0%

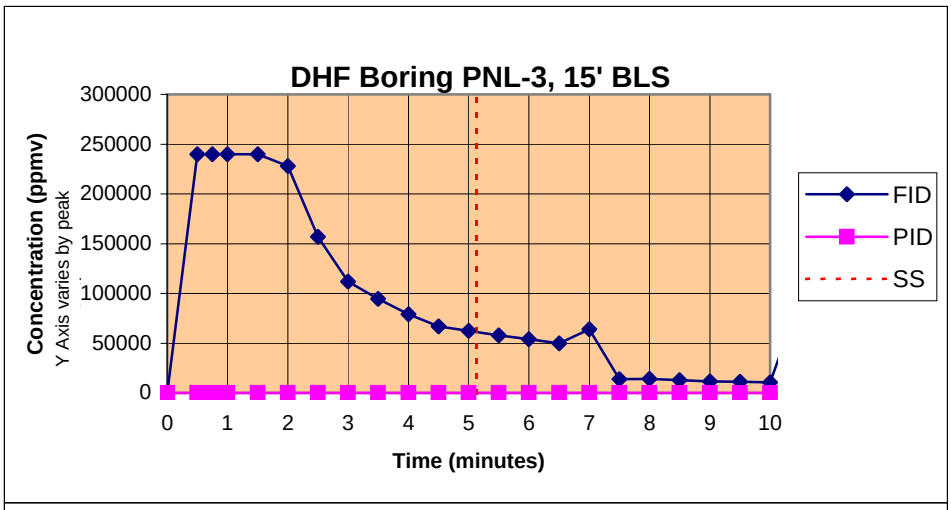


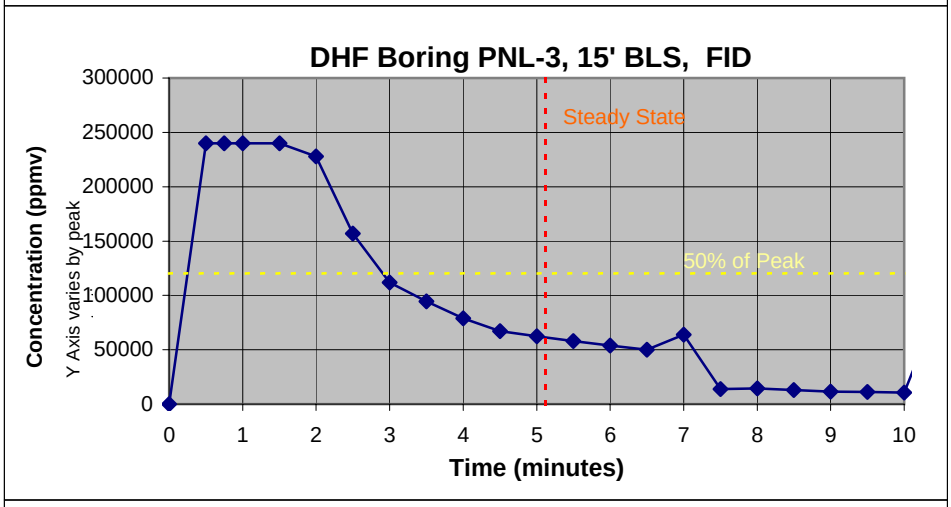


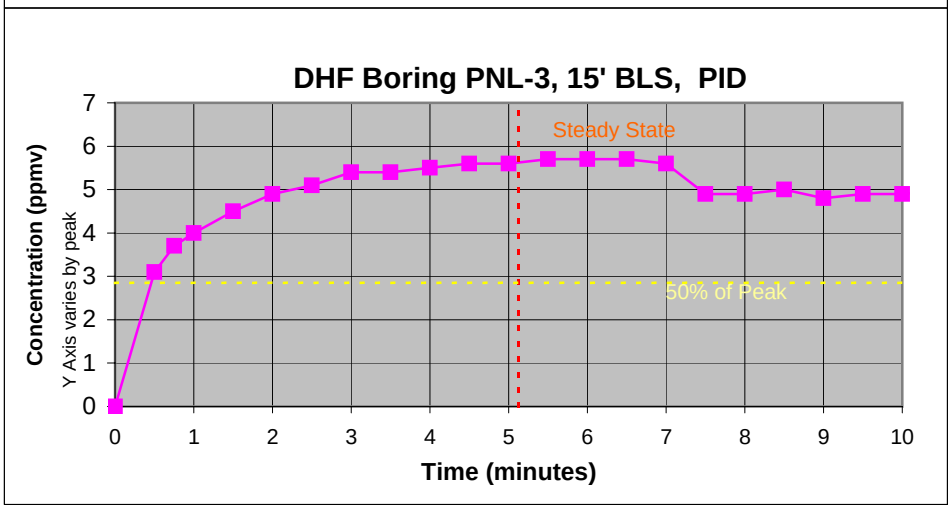


PNL-3-15'

TIME	FID	PID
0.00	0	0
0.5	240,000	3.1
0.75	240000.0	3.7
1	240000.0	4
1.5	240000	4.5
2	228000	4.9
2.5	157000	5.1
3	112000	5.4
3.5	94400	5.4
4	79000	5.5
4.5	67000	5.6
5	62400	5.6
5.5	58000	5.7
6	54000	5.7
6.5	50000	5.7
7	64000	5.6
7.5	13700	4.9
8	14300	4.9
8.5	12900	5
9	11500	4.8
9.5	11100	4.9
10	10500	4.9
10.5	95000	5
11	79000	5.2
11.5	70000	5.3
12	68000	5.3
12.5	68000	5.3
13	78000	5.2
13.5	81000	5.1
Peak	240000	6
SS Value	62400	5.6
SS % Pk	26%	98%

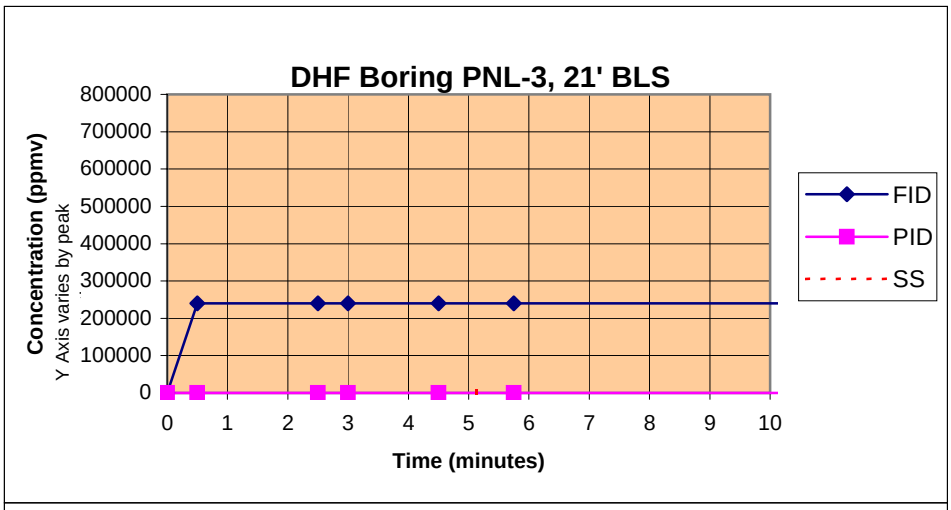


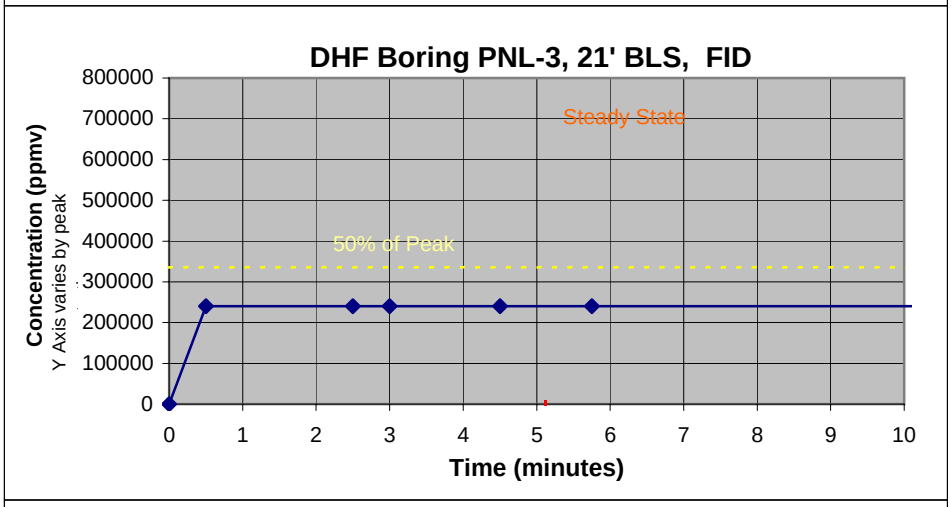


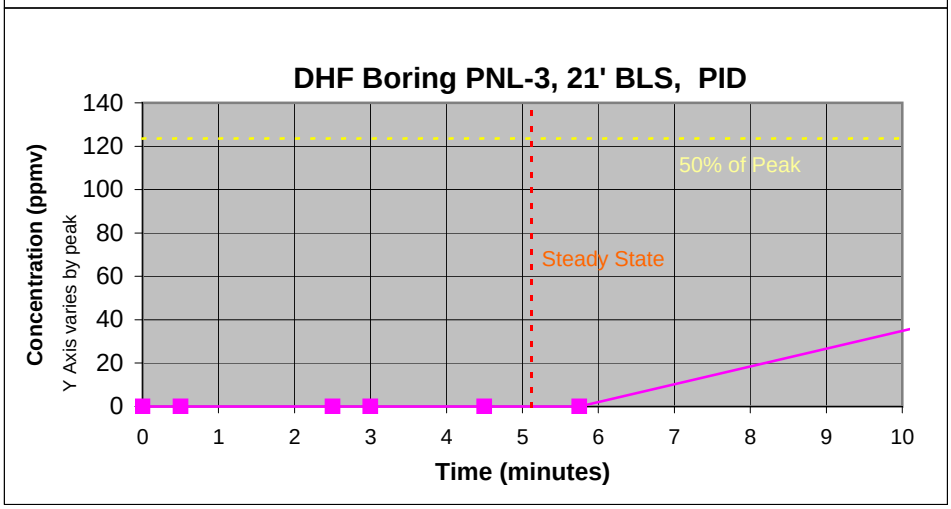


PNL-3-21'

TIME	FID	PID
0.00	0	0
0.5	240000	0
2.5	240000	0
3	240000	0
4.5	240000	0
5.75	240000	0
10.75	240000	41
12.25	670000	100
13	610000	103
15	170000	134
15.5	150000	133
16	140000	128
17.25	80000	132
18	66480	125
19	57310	113
19.5	52100	247
20	32000	135
20.5	175000	135
21	240000	97
22	63500	87
22.5	64700	85
23	65000	78
23.25	240000	17.6
24	240000	13
24.25	240000	11.9
Peak	670000	247
SS Value	240000	100
SS % Pk	36%	40%

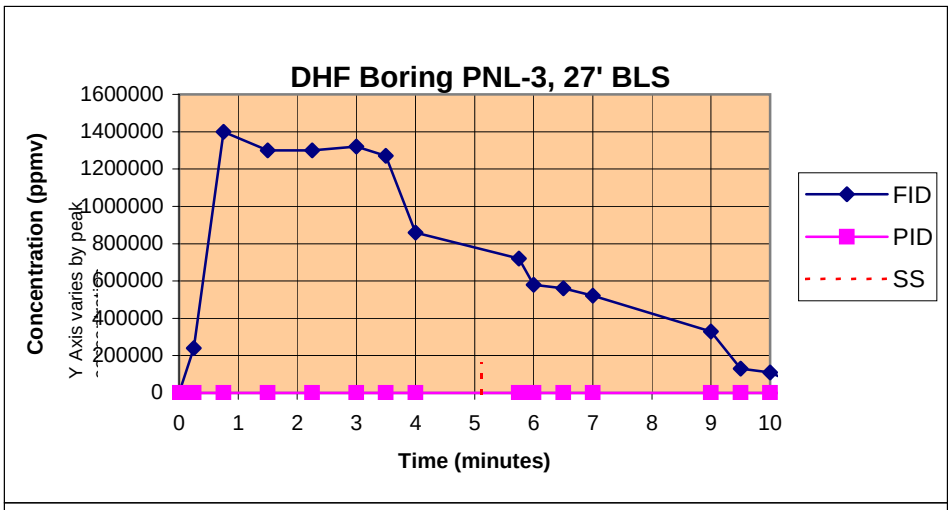


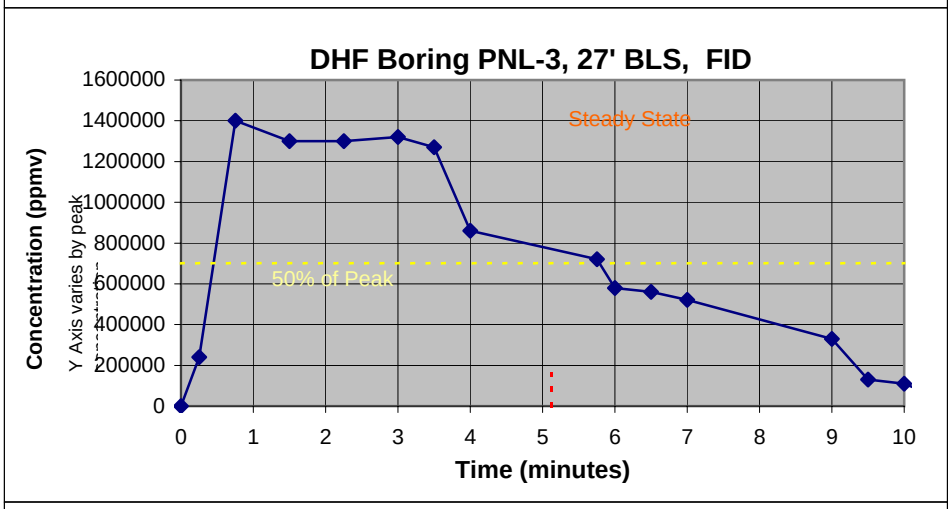


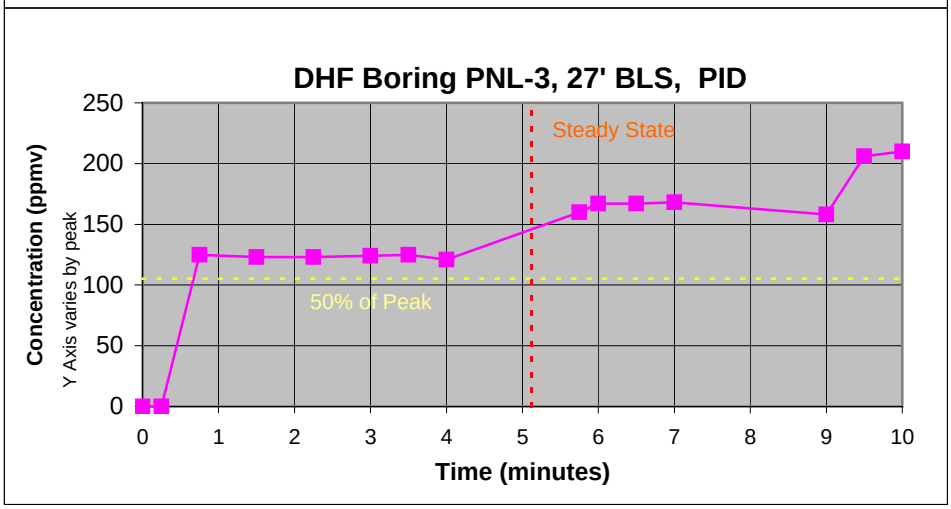


PNL-3-27'

TIME	FID	PID
0.00	0	0
0.25	240000.0	0
0.75	1400000	125
1.5	1300000	123
2.25	1300000	123
3	1320000	124
3.5	1270000	125
4	860000	121
5.75	720000	160
6	580000	167
6.5	560000	167
7	521000	168
9	330000	158
9.5	130000	206
10	110000	210
10.5	40000	210
12	11000	74
12.5	10000	74
13.5	7600	68
Peak	1400000	210
SS Value	720000	160
SS % Pk	51%	76%



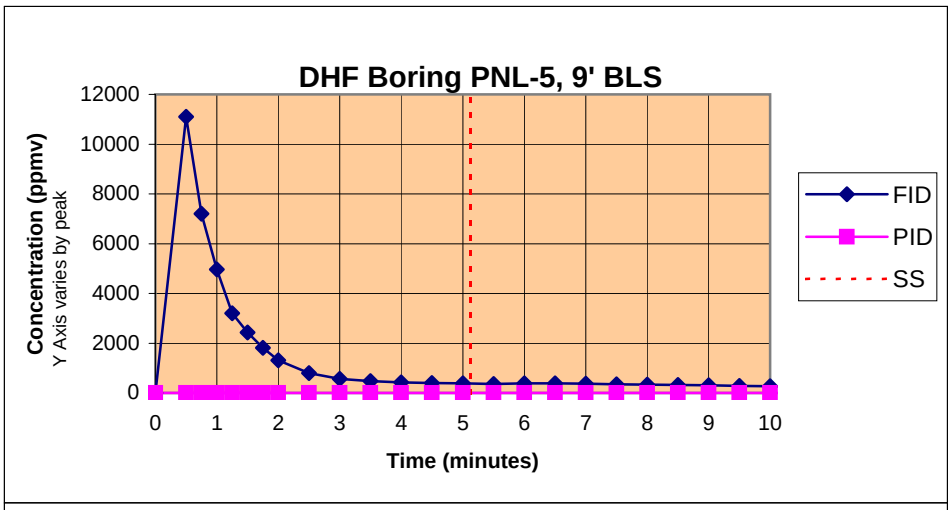


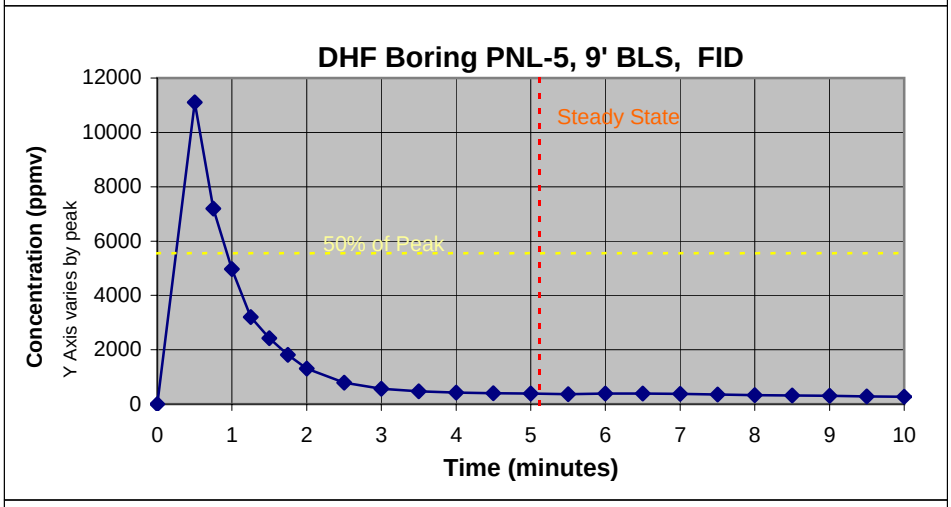


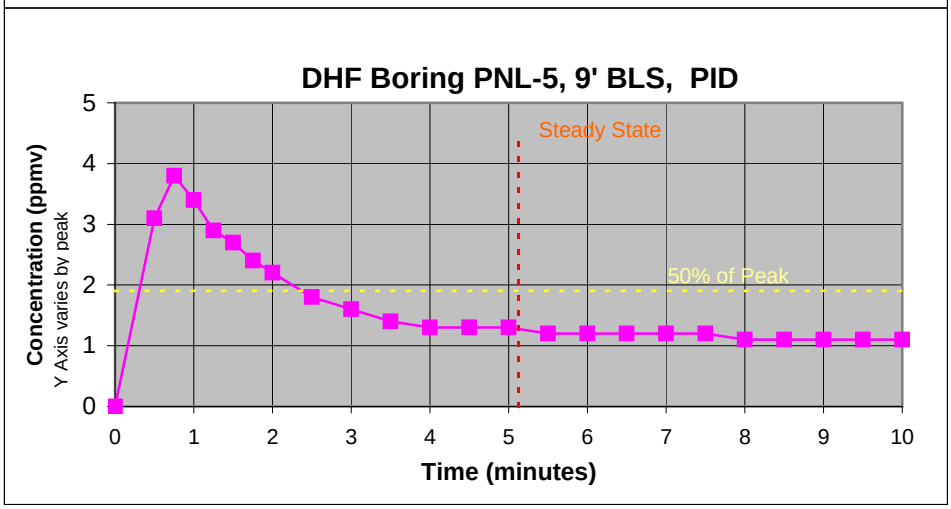
PNL-5-9'

TIME	FID	PID
0.00	0	0
0.5	11100.0	3.1
0.75	7200.0	3.8
1	4966.0	3.4
1.25	3209	2.9
1.5	2430	2.7
1.75	1810	2.4
2	1312	2.2
2.5	792	1.8
3	562	1.6
3.5	471	1.4
4	423	1.3
4.5	400	1.3
5	390	1.3
5.5	364	1.2
6	388	1.2
6.5	388	1.2
7	372	1.2
7.5	349	1.2
8	334	1.1
8.5	321	1.1
9	312	1.1
9.5	277	1.1
10	267	1.1
10.5	258	1.1
11	252	1.1

Peak	11100	4
SS Value	390	1.3
SS % Pk	4%	34%

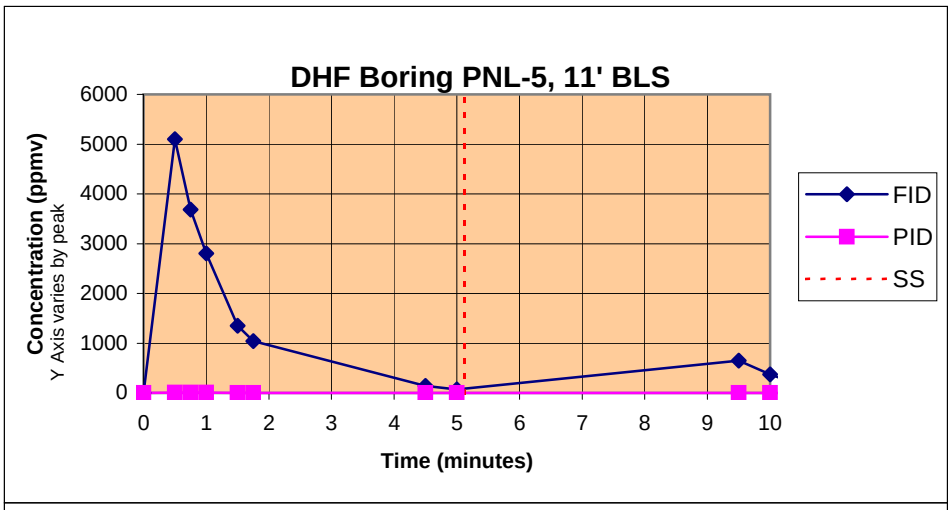


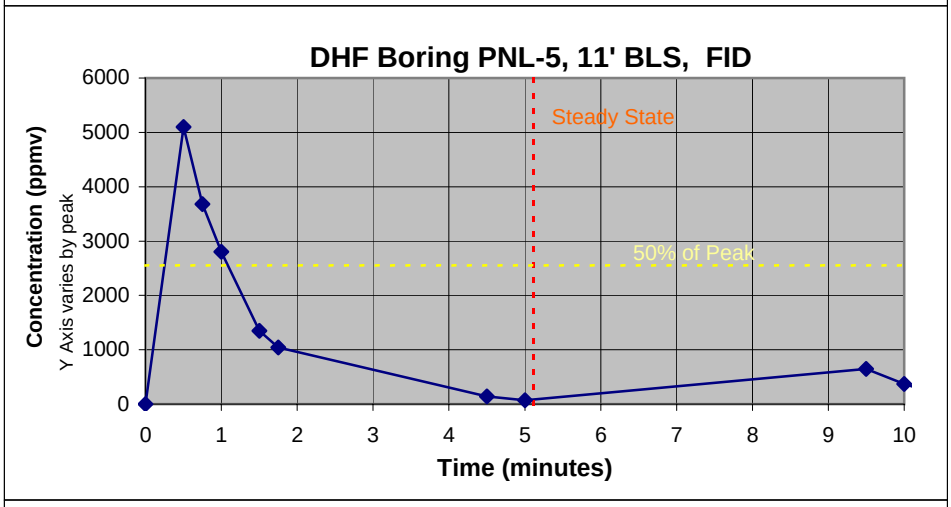


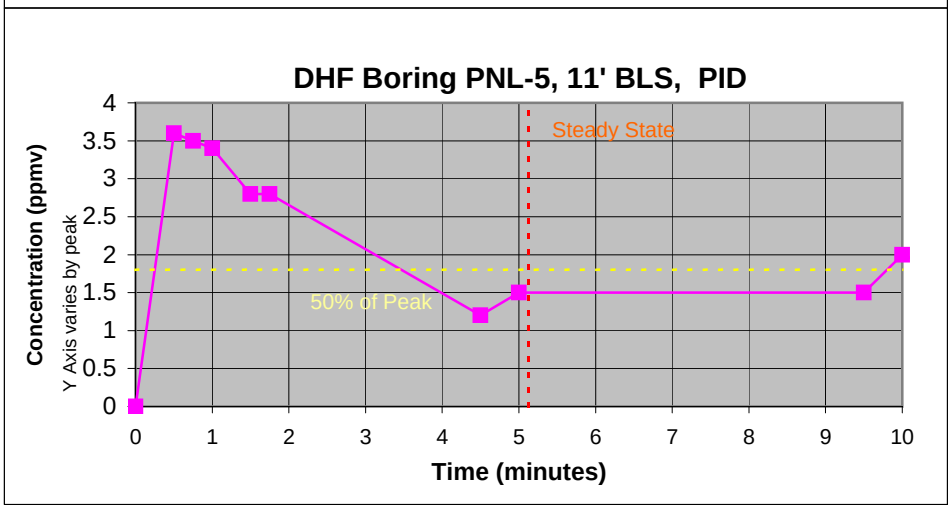


PNL-5-11'

TIME	FID	PID
0.00	0	0
0.5	5100	3.6
0.75	3683	3.5
1	2801	3.4
1.5	1350	2.8
1.75	1044	2.8
4.5	139	1.2
5	72	1.5
9.5	650	1.5
10	370	2
10.5	151	1.8
11	101	1.8
11.5	102	1.8
12	107	1.8
12.5	108	1.8
13	102	1.8
13.5	98	1.8
14	92	1.8
Peak	5100	4
SS Value	72	1.5
SS % Pk	1%	42%



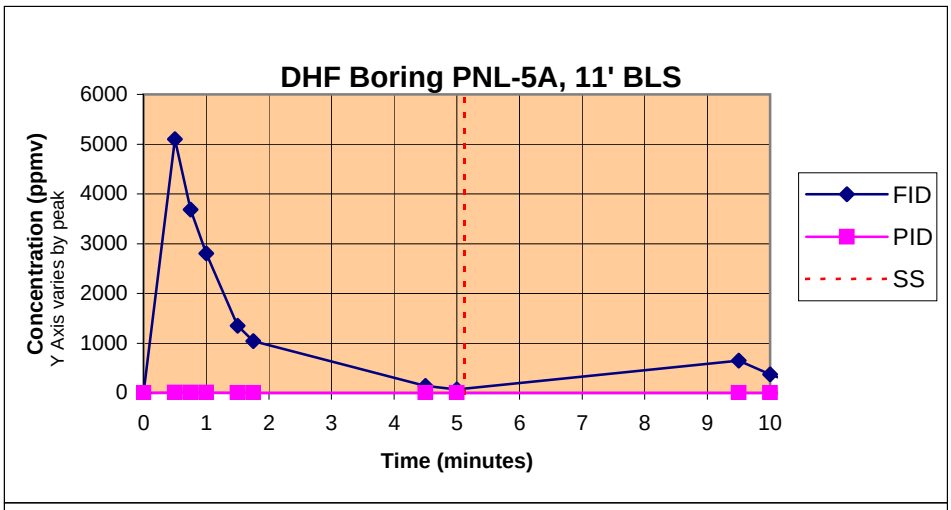


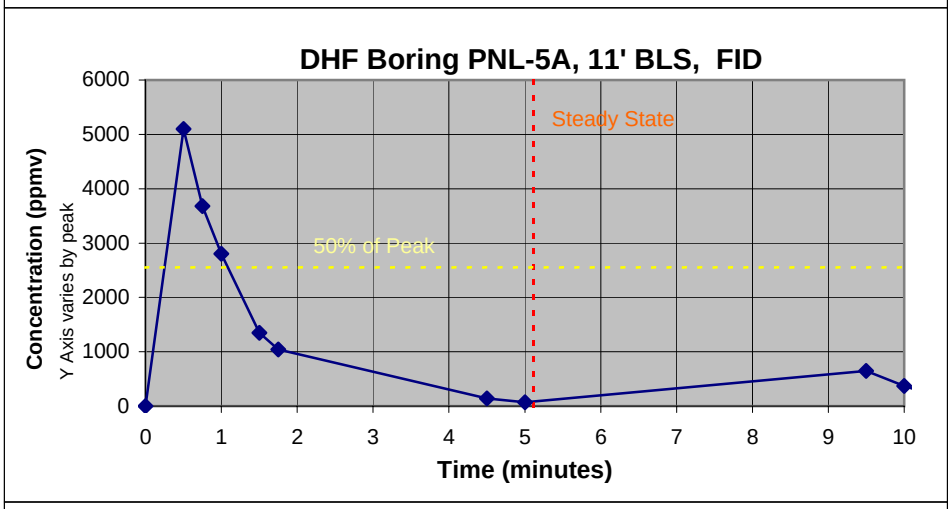


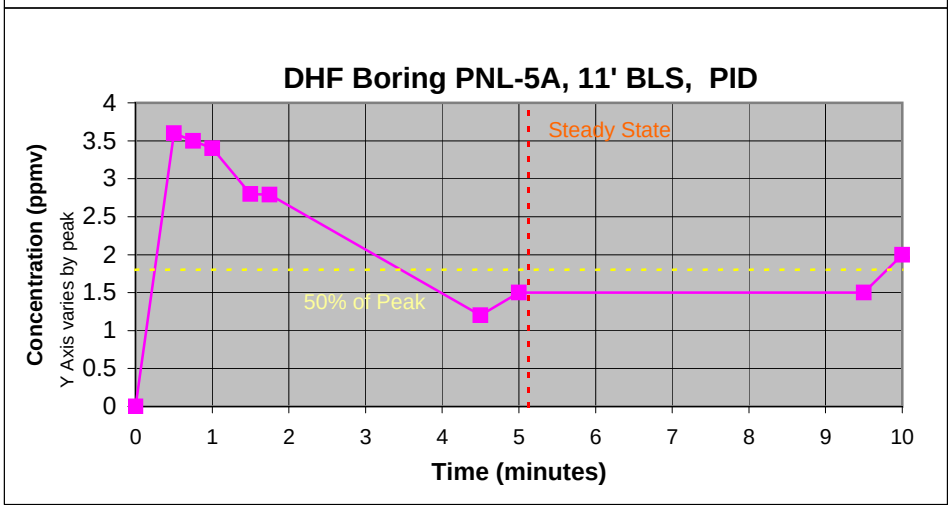
PNL-5A-11'

TIME	FID	PID
0.00	0	0
0.5	5100	3.6
0.75	3683	3.5
1	2801	3.4
1.5	1350	2.8
1.75	1044	2.79
4.5	139	1.2
5	72	1.5
9.5	650	1.5
10	370	2
10.25	260	1.9
10.5	151	1.8
10.75	114	1.8
11	101	1.8
11.25	99	1.8
11.5	102	1.8
11.75	105	1.8
12	107	1.8
12.25	108	1.8
12.5	108	1.8
12.75	106	1.8
13	102	1.8
13.25	100	1.8
13.5	98	1.8
13.75	95	1.8
14	92	1.8

Peak	5100	4
SS Value	72	1.5
SS % Pk	1%	42%

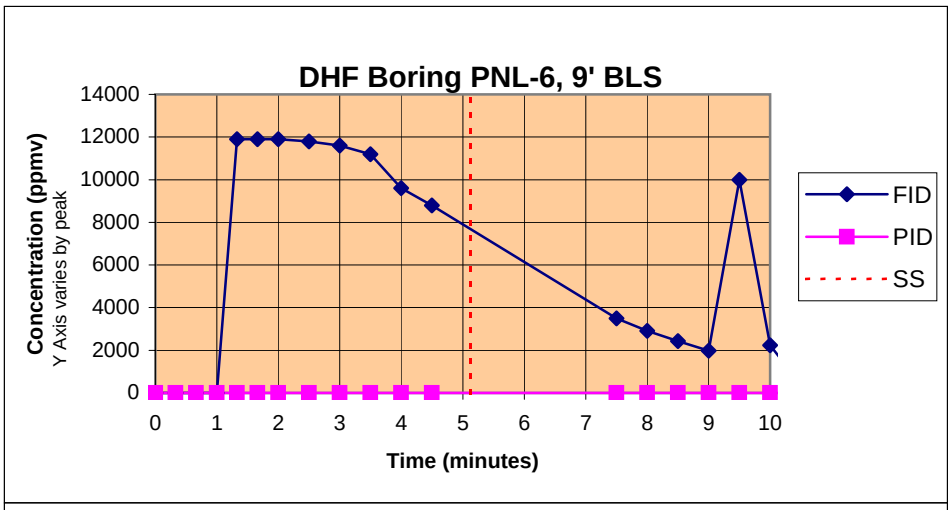


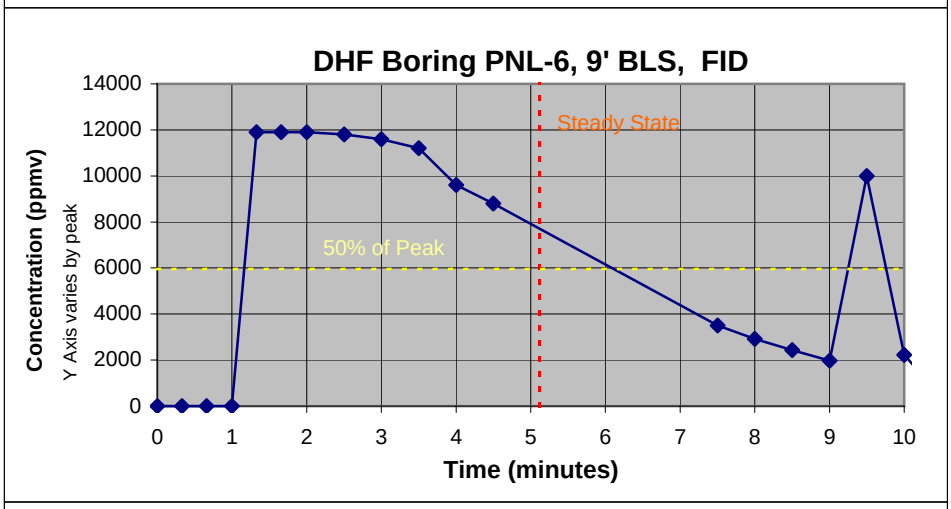


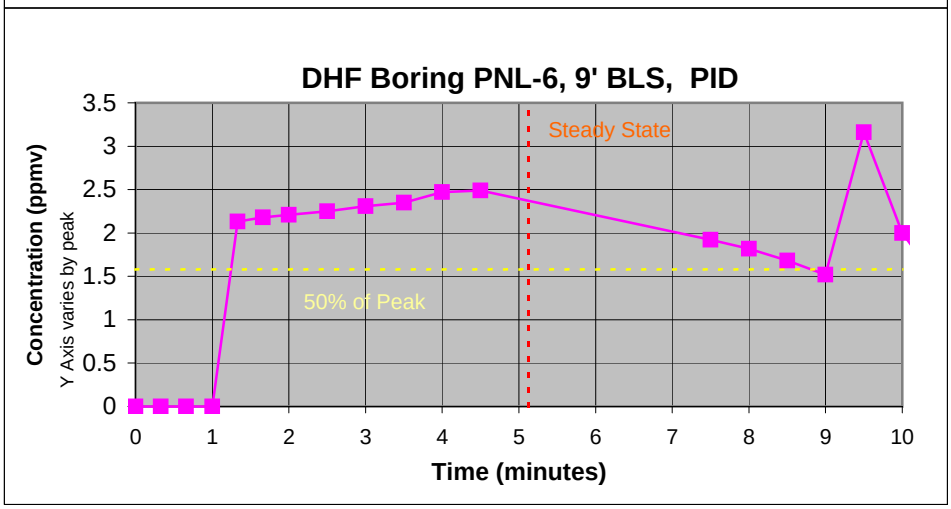


PNL-6-9'

TIME	FID	PID
0.00	0	0
0.33	0	0
0.66	0.0	0
1	0.0	0
1.33	11900.0	2.13
1.66	11900	2.18
2	11900	2.21
2.5	11800	2.25
3	11600	2.31
3.5	11200	2.35
4	9600	2.47
4.5	8800	2.49
7.5	3500	1.92
8	2915	1.82
8.5	2430	1.68
9	1980	1.52
9.5	10000	3.16
10	2230	2
10.5	396	1.4
11	142	1.3
11.5	78	1.2
12	58	1.2
12.5	57	1.2
Peak	11900	3
SS Value	8800	2.49
SS % Pk	74%	79%

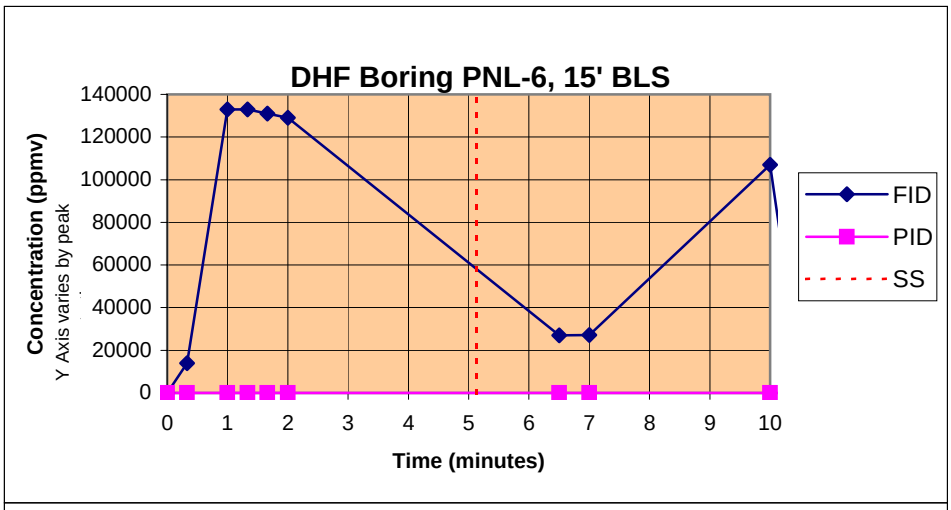


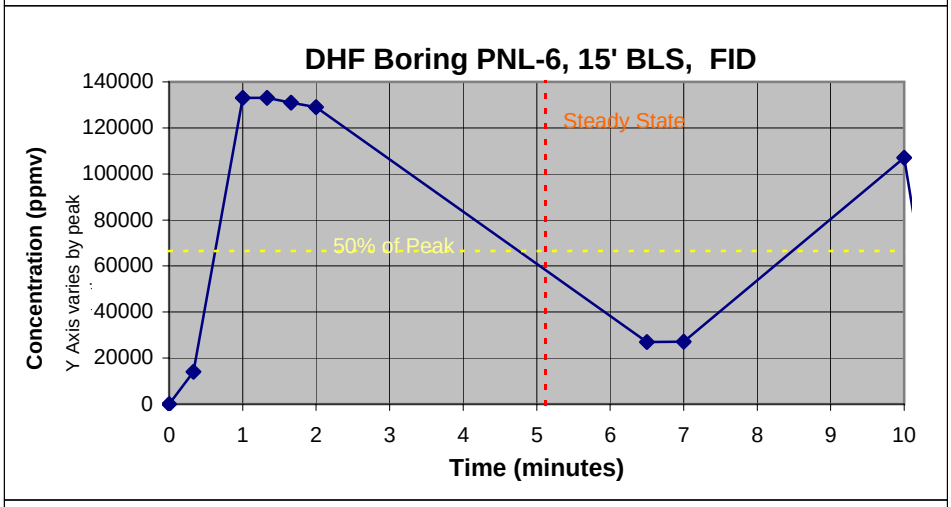


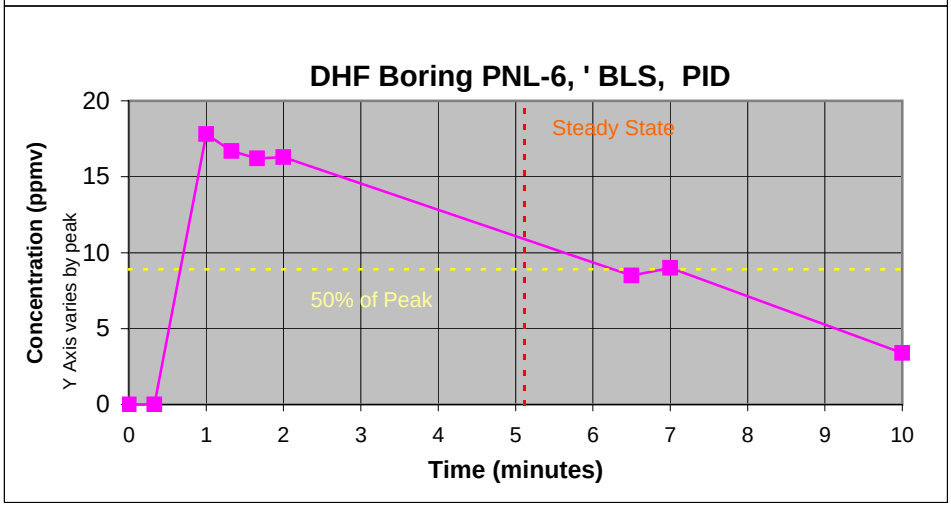


PNL-6-15'

TIME	FID	PID
0.00	0	0
0.33	14000.0	0
1	133000	17.8
1.33	133000	16.7
1.66	131000	16.2
2	129000	16.3
6.5	26940	8.5
7	27170	9
10	107000	3.4
10.5	9000	4.2
11	3300	3.6
11.5	550	2.8
12	140	2.2
12.5	81	1.9
13	75	1.7
13.5	66	1.5
Peak	133000	18
SS Value	60000	11
SS % Pk	45%	62%



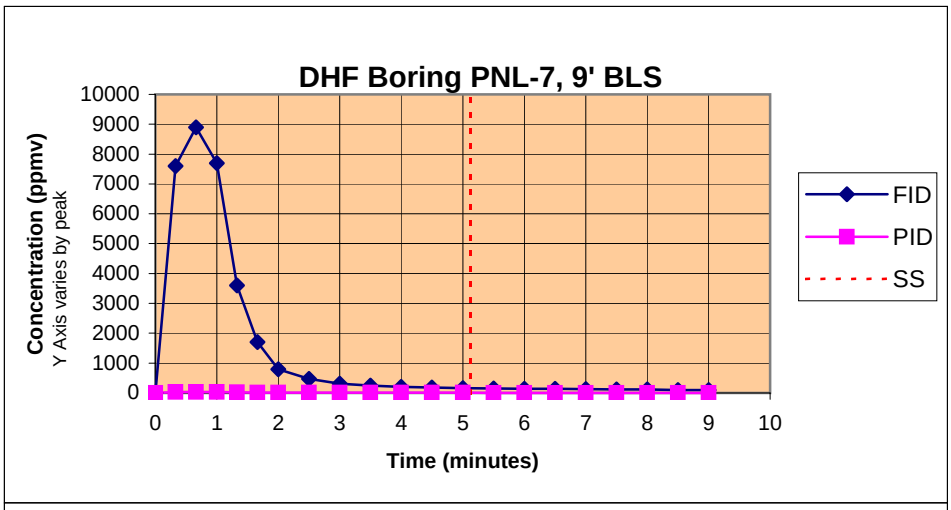


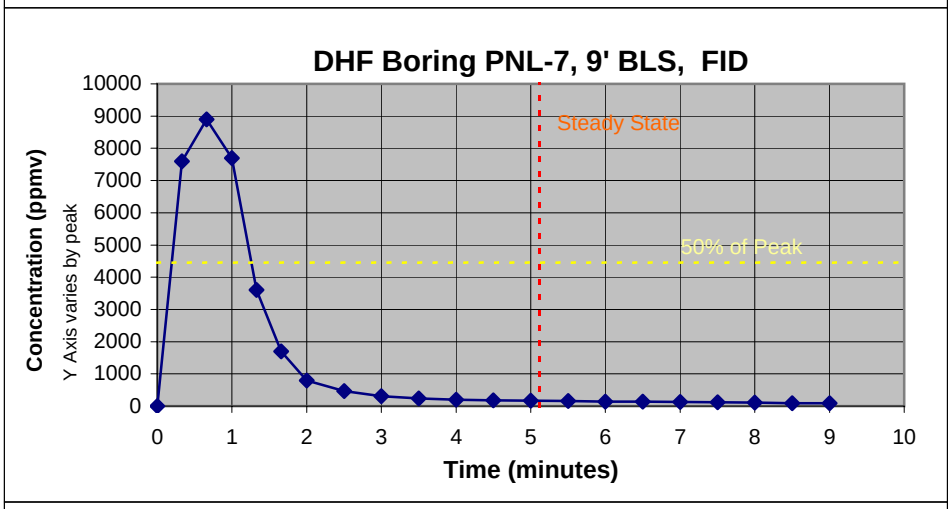


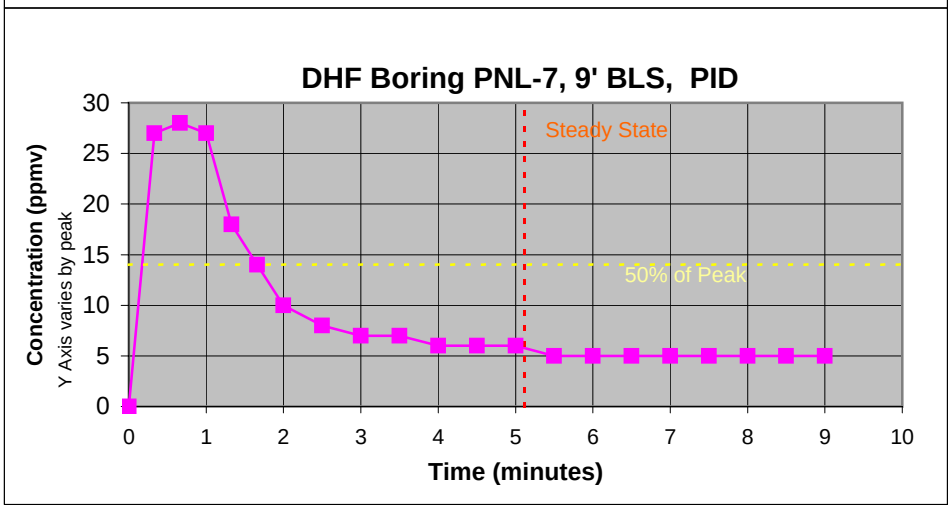
PNL-7-9'

TIME	FID	PID
0.00	0	0
0.33	7600	27
0.66	8900.0	28
1	7700.0	27
1.33	3600.0	18
1.66	1700	14
2	790	10
2.5	470	8
3	307	7
3.5	242	7
4	202	6
4.5	180	6
5	165	6
5.5	154	5
6	140	5
6.5	135	5
7	132	5
7.5	120	5
8	113	5
8.5	93	5
9	92	5

Peak	8900	28
SS Value	165	6
SS % Pk	2%	21%



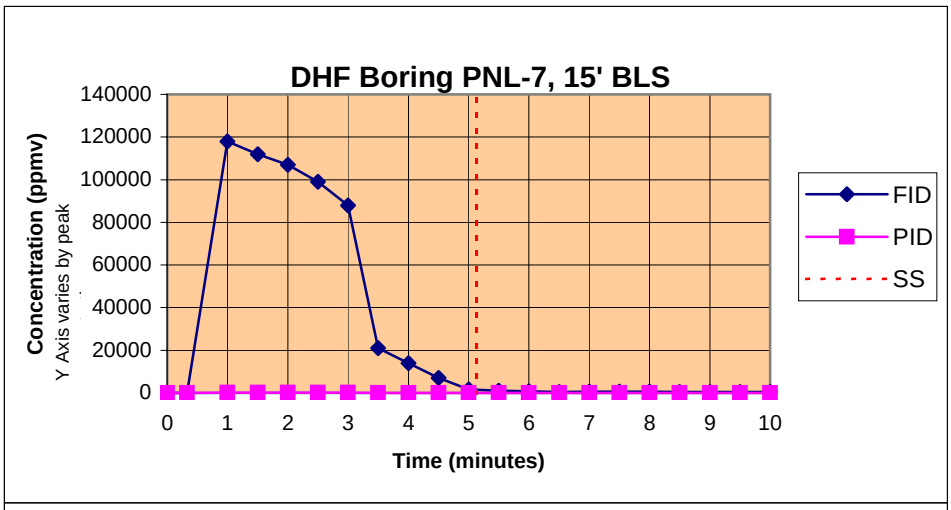


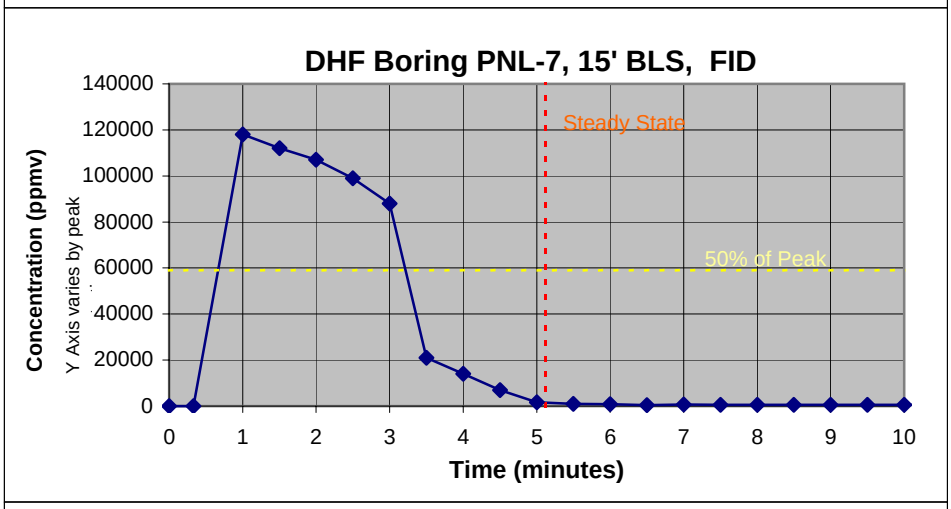


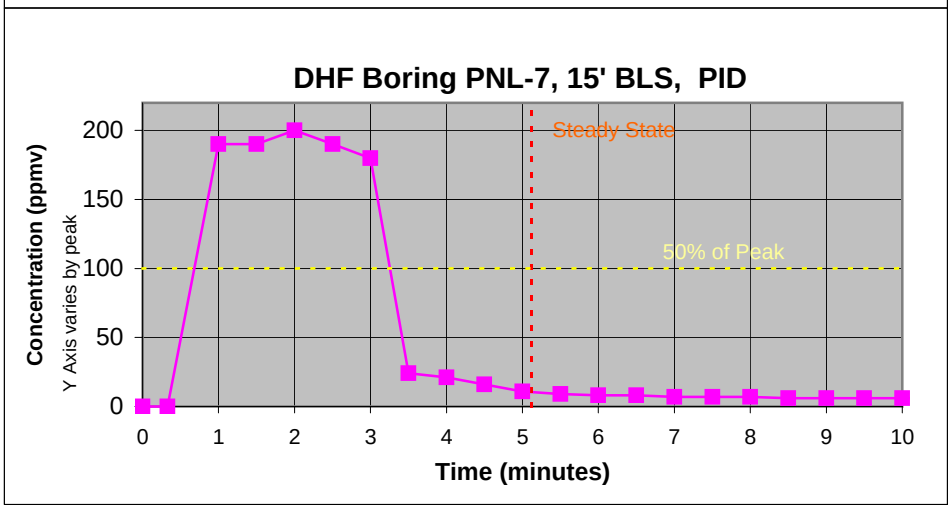
PNL-7-15'

TIME	FID	PID
0.00	0	0
0.33	0.0	0
1	118000.0	190
1.5	112000	190
2	107000	200
2.5	99000	190
3	88000	180
3.5	21000	24
4	14000	21
4.5	7000	16
5	1600	11
5.5	1003	9
6	820	8
6.5	430	8
7	660	7
7.5	596	7
8	590	7
8.5	503	6
9	496	6
9.5	492	6
10	487	6
10.5	481	6
11	473	6

Peak	118000	200
SS Value	1600	11
SS % Pk	1%	6%

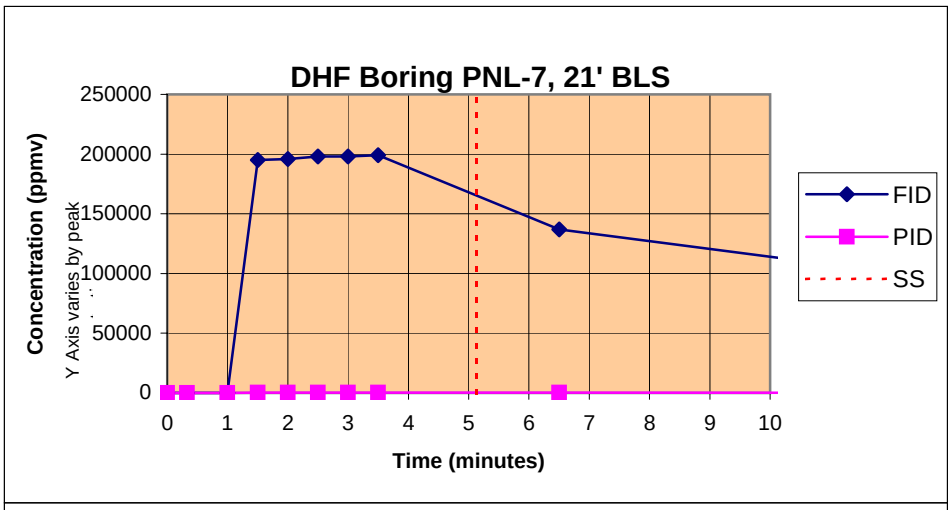


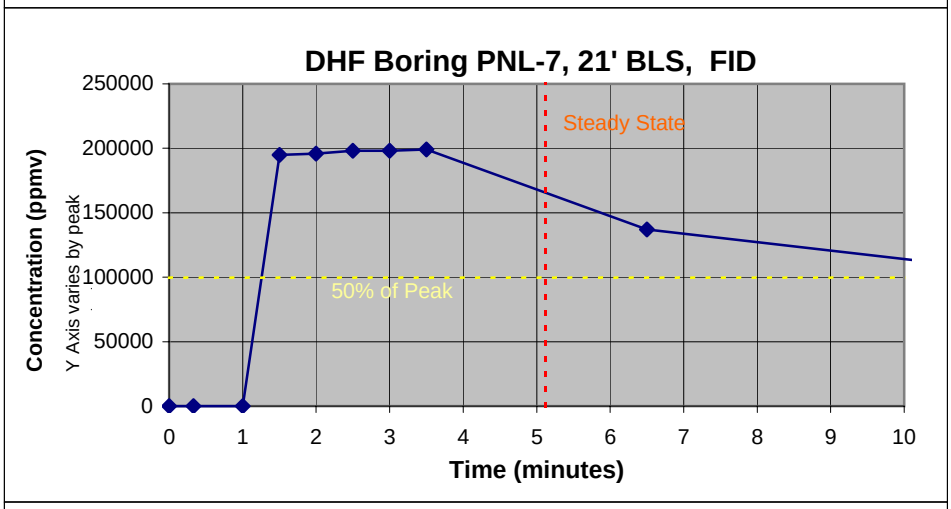


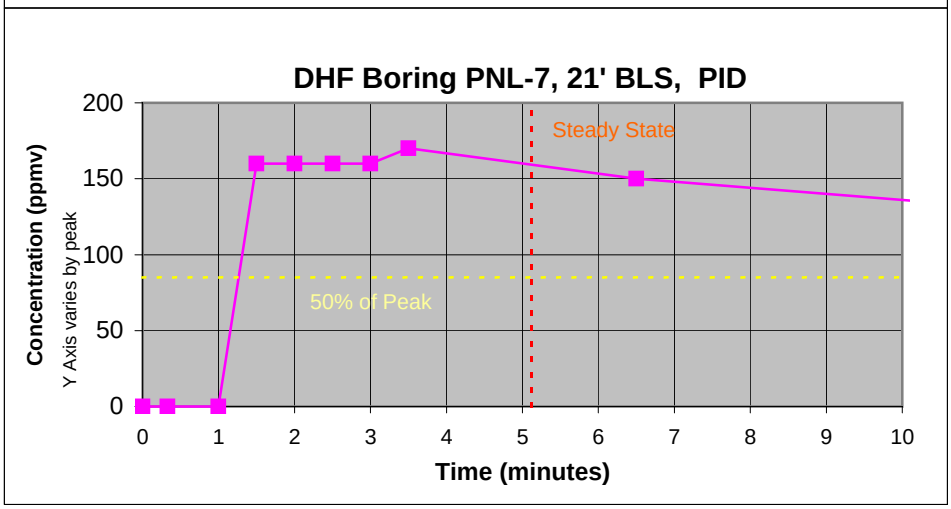


PNL-7-21'

TIME	FID	PID
0.00	0	0
0.33	0	0
1	0	0
1.5	195000	160
2	196000	160
2.5	198000	160
3	198000	160
3.5	199000	170
6.5	137000	150
16.5	71600	110
17.5	74820	130
18	74600	130
19.5	82900	130
20	82050	130
20.5	81750	130
Peak	199000	170
SS Value	160000	160
SS % Pk	80%	94%

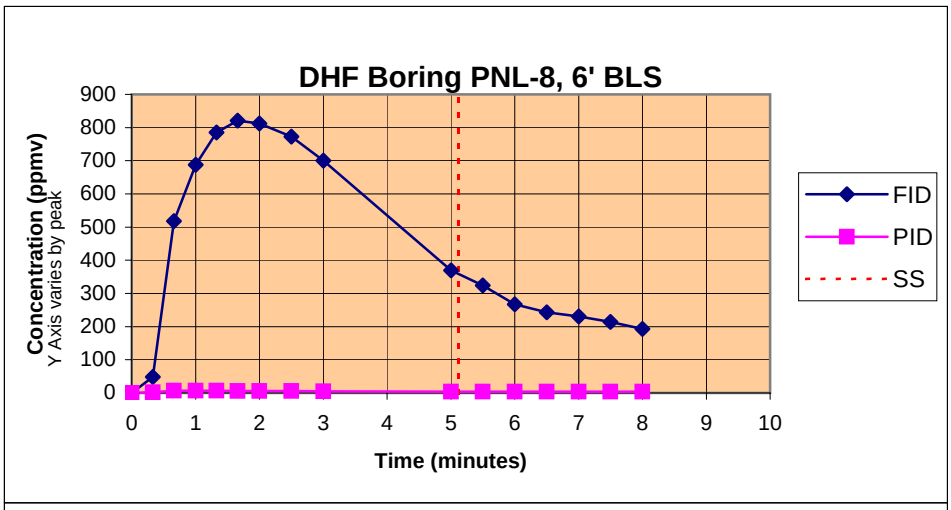


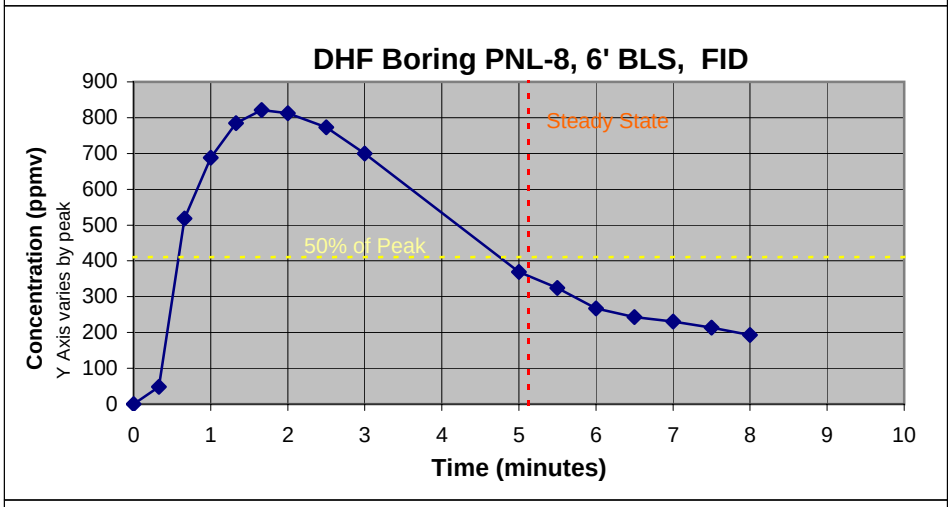


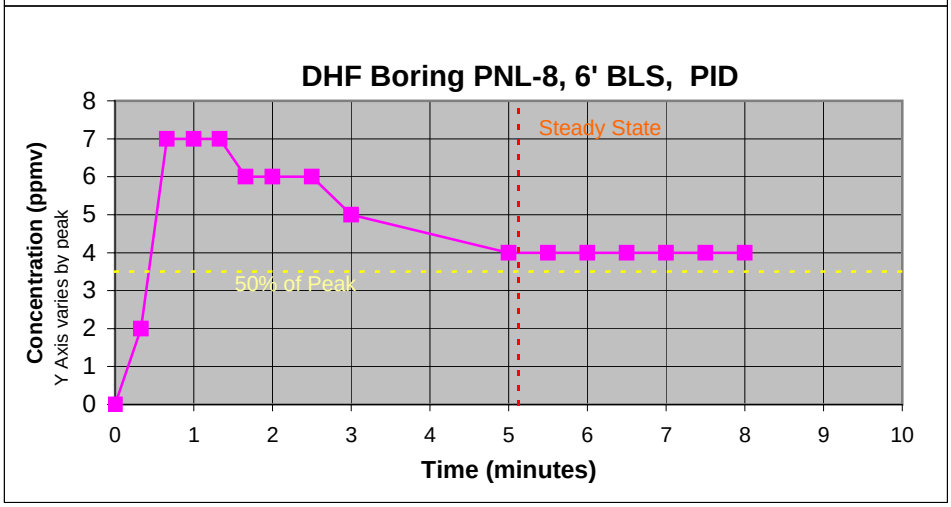


PNL-8-6'

TIME	FID	PID
0.00	0	0
0.33	48	2
0.66	518.0	7
1	688.0	7
1.33	785.0	7
1.66	821	6
2	812	6
2.5	773	6
3	700	5
5	369	4
5.5	324	4
6	267	4
6.5	243	4
7	231	4
7.5	214	4
8	193	4
Peak	821	7
SS Value	369	4
SS % Pk	45%	57%

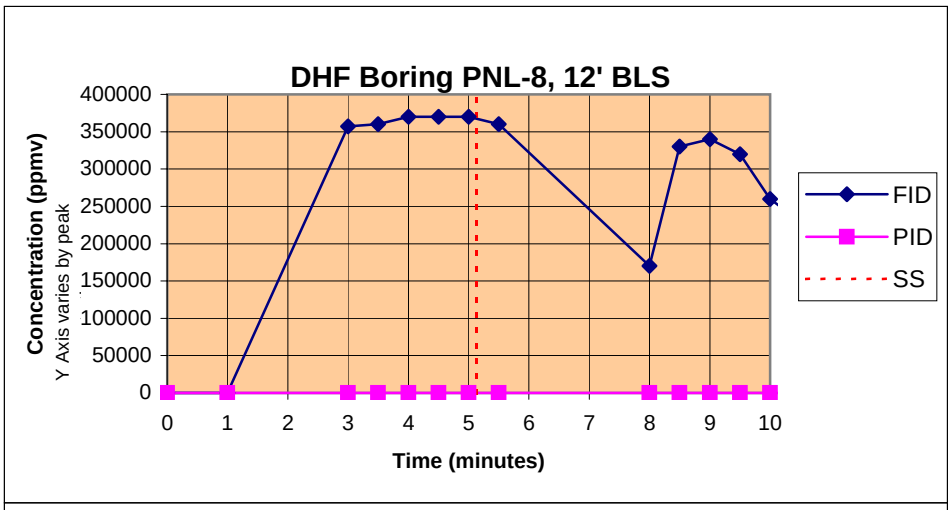


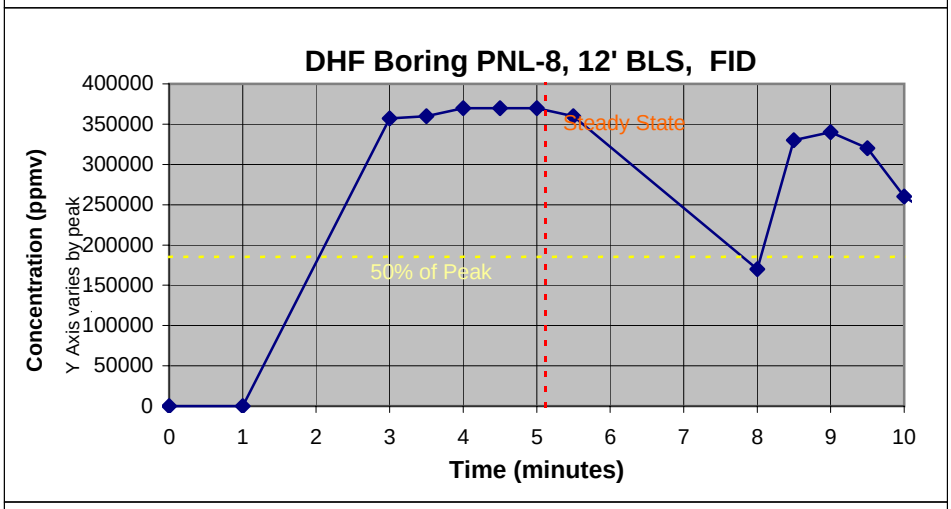


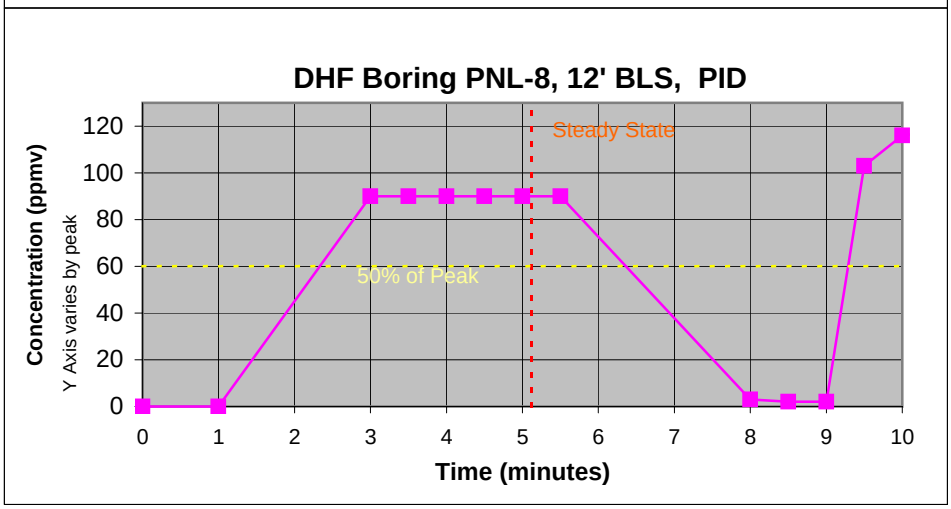


PNL-8-12'

TIME	FID	PID
0.00	0	0
1	0.0	0
3	357000	90
3.5	360000	90
4	370000	90
4.5	370000	90
5	370000	90
5.5	360000	90
8	170000	3
8.5	330000	2
9	340000	2
9.5	320000	103
10	260000	116
11	200000	120
11.5	190000	120
12	190000	120
12.5	180000	120
13	180000	120
13.5	170000	120
14	160000	120
14.5	150000	120
Peak	370000	120
SS Value	370000	90
SS % Pk	100%	75%

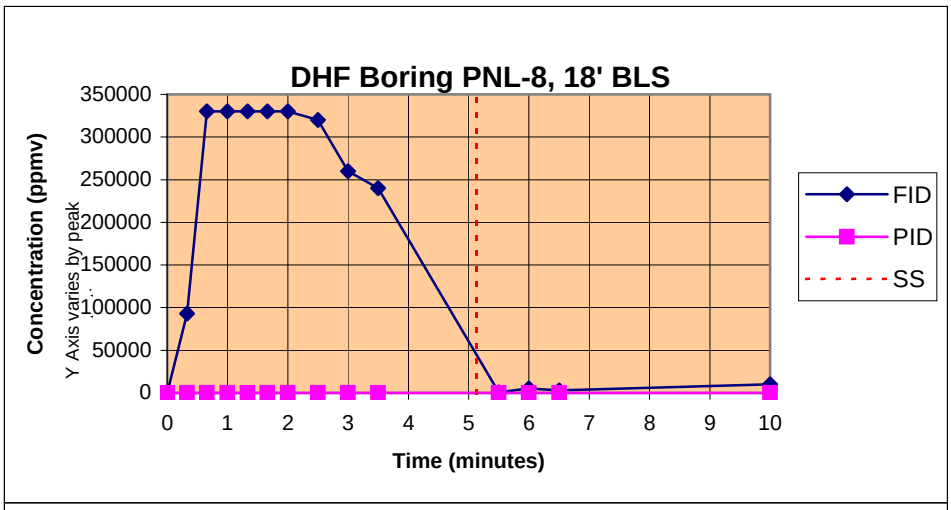


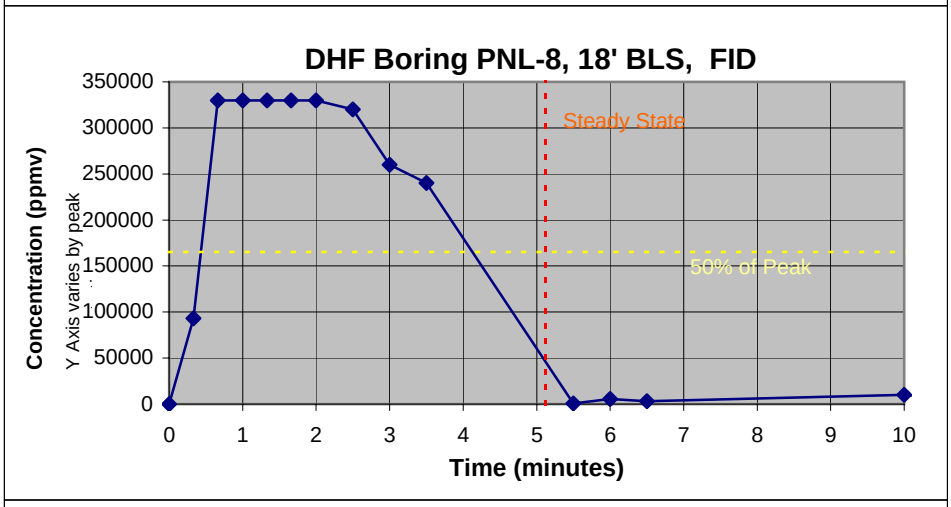


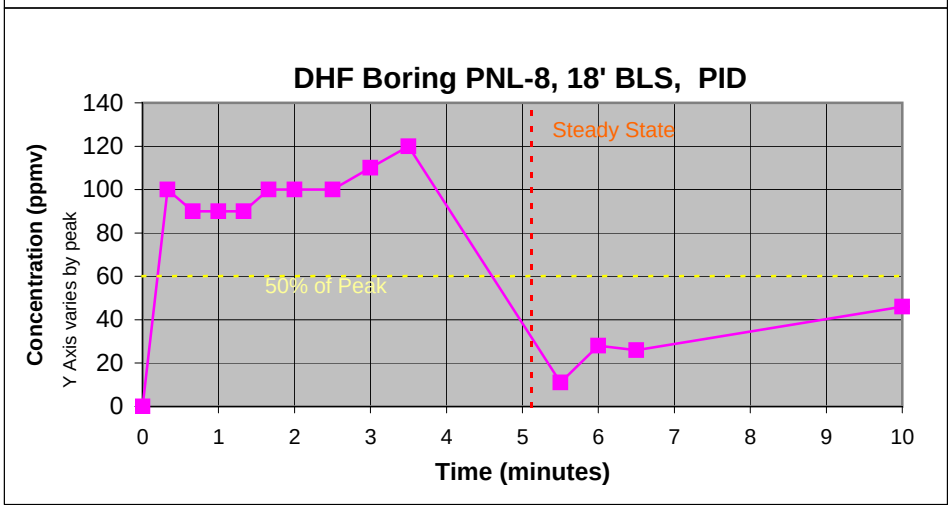


PNL-8-18'

TIME	FID	PID
0.00	0	0
0.33	93000	100
0.66	330000	90
1	330000	90
1.33	330000	90
1.66	330000	100
2	330000	100
2.5	320000	100
3	260000	110
3.5	240000	120
5.5	660	11
6	5400	28
6.5	3121	26
10	10000	46
10.5	7314	46
11	4032	42
11.5	2920	41
12	2612	40
12.5	2105	38
13	1802	36
13.5	1520	36
14	1335	35
14.5	1230	35
15	1103	33
Peak	330000	120
SS Value	50000	35
SS % Pk	15%	29%

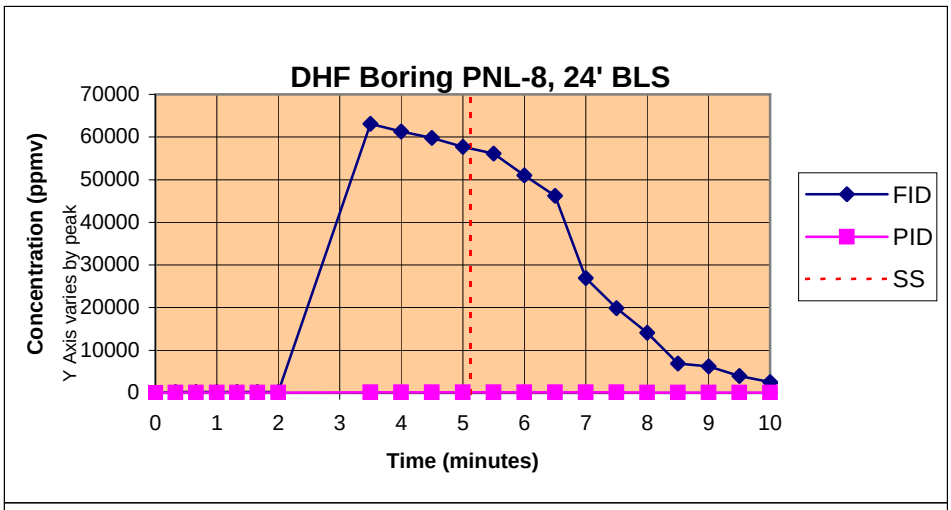


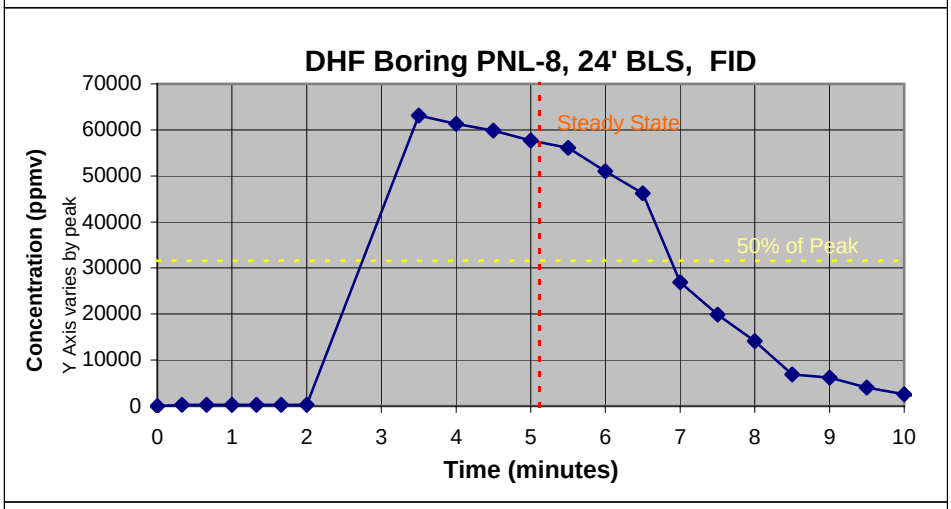


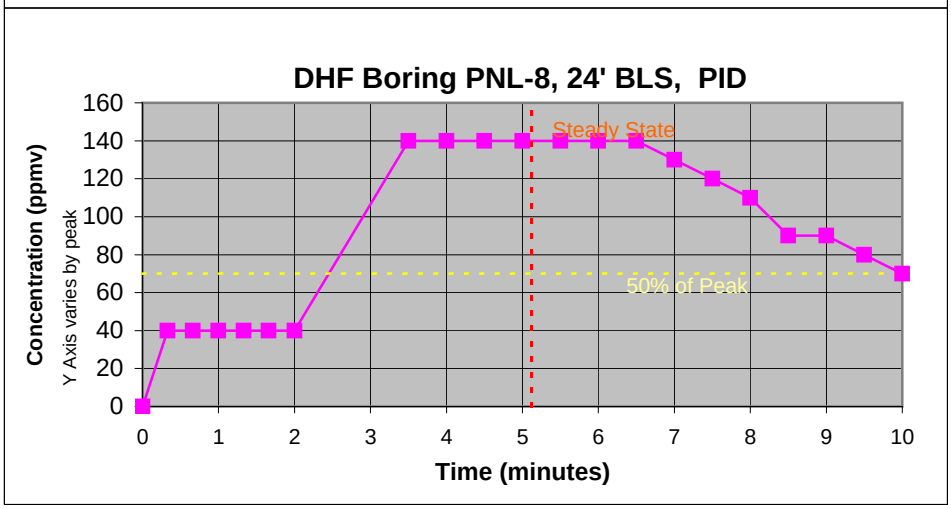


PNL-8-24'

TIME	FID	PID
0.00	0	0
0.33	260	40
0.66	260	40
1	250	40
1.33	250	40
1.66	260	40
2	260	40
3.5	63100	140
4	61320	140
4.5	59830	140
5	57700	140
5.5	56110	140
6	51000	140
6.5	46200	140
7	26900	130
7.5	19900	120
8	14100	110
8.5	6880	90
9	6200	90
9.5	4000	80
10	2560	70
10.5	1530	60
11	1200	60
Peak	63100	140
SS Value	57700	140
SS % Pk	91%	100%



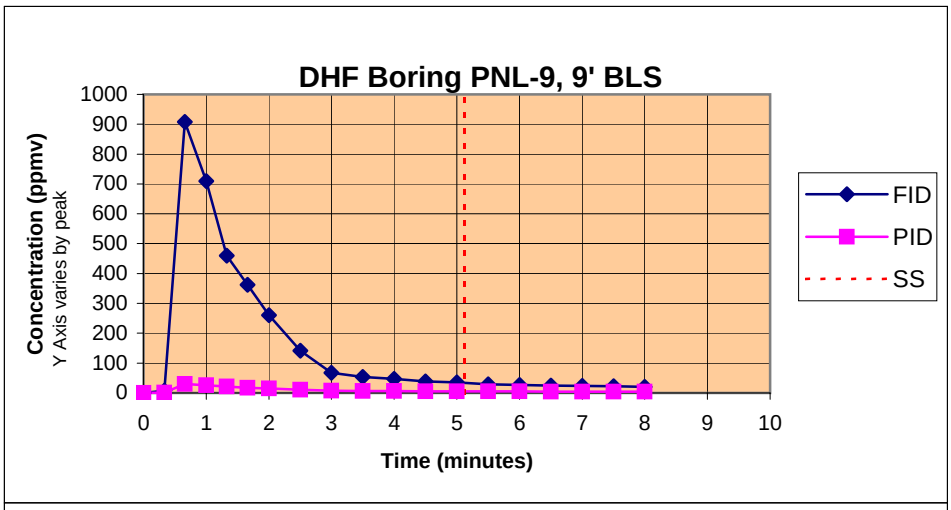


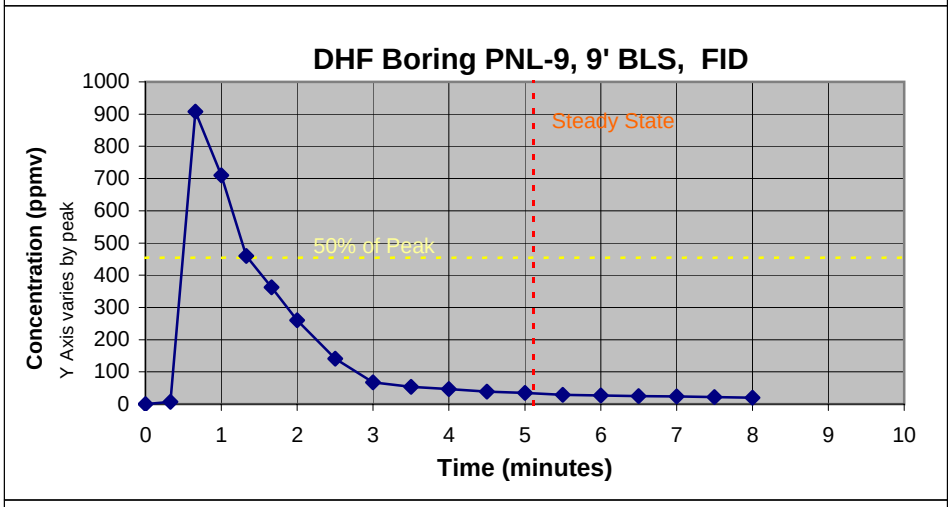


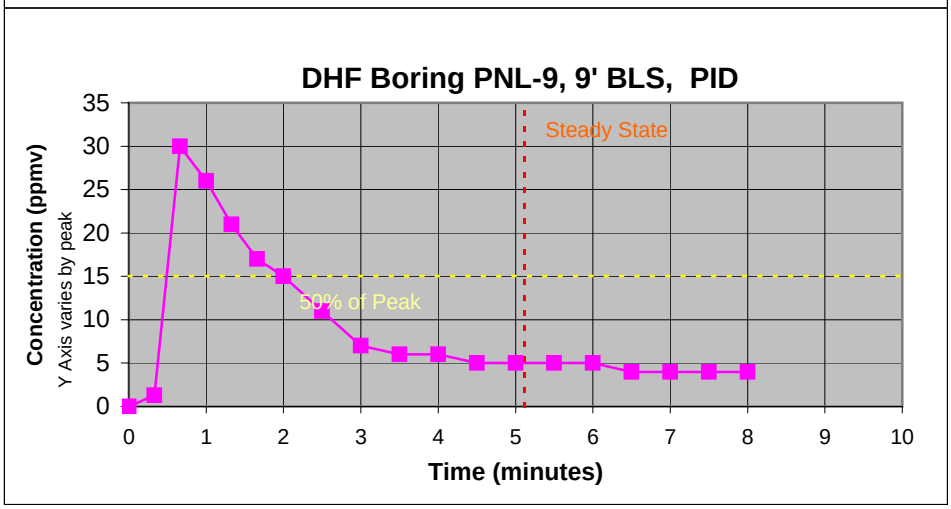
PNL-9-9'

TIME	FID	PID
0.00	0	0
0.33	7.2	1.3
0.66	908.0	30
1	710.0	26
1.33	460.0	21
1.66	362	17
2	260	15
2.5	141	11
3	68	7
3.5	54	6
4	47	6
4.5	39	5
5	35	5
5.5	29	5
6	27	5
6.5	25	4
7	24	4
7.5	22	4
8	20	4

Peak	908	30
SS Value	35	5
SS % Pk	4%	17%

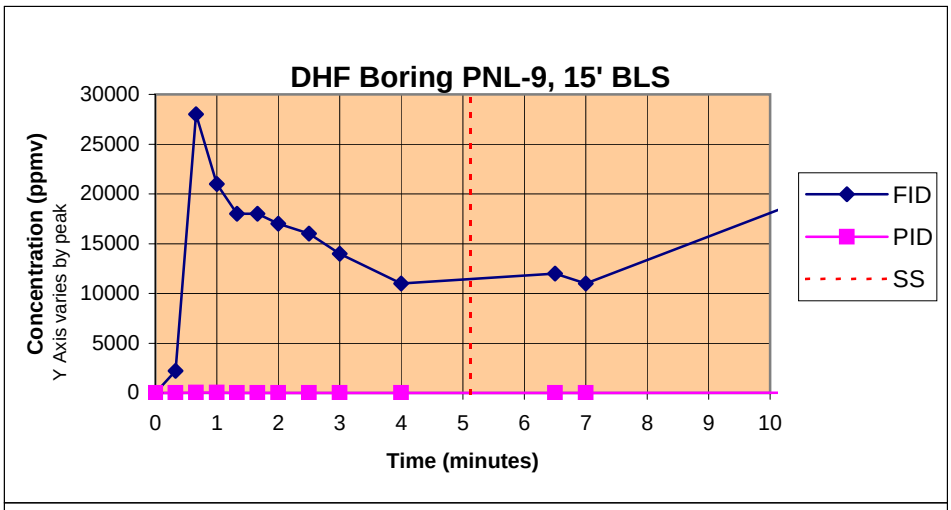


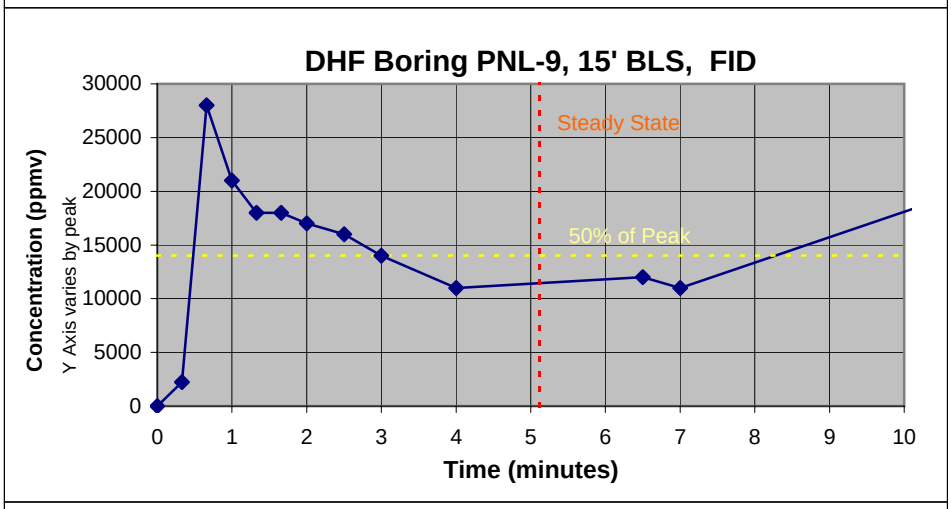


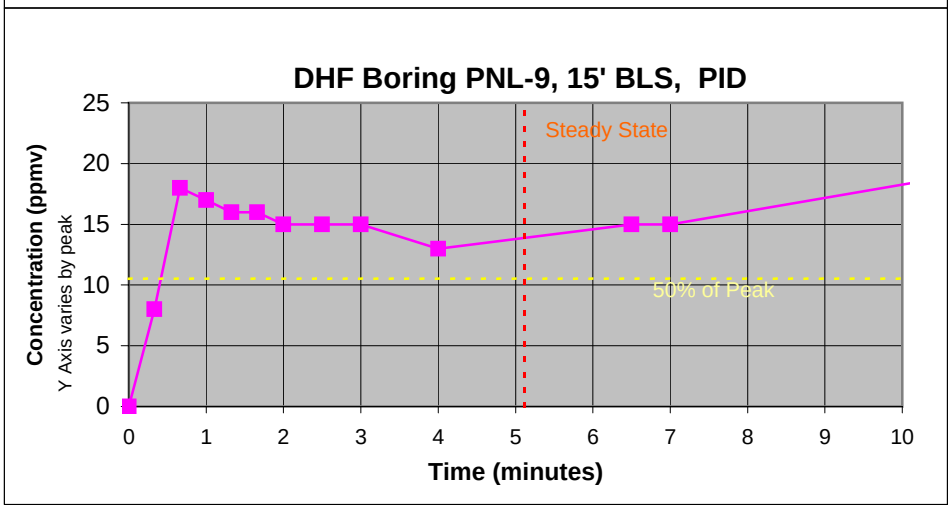


PNL-9-15'

TIME	FID	PID
0.00	0	0
0.33	2230.0	8
0.66	28000.0	18
1	21000	17
1.33	18000	16
1.66	18000	16
2	17000	15
2.5	16000	15
3	14000	15
4	11000	13
6.5	12000	15
7	11000	15
12.5	24000	21
13	15000	21
13.5	9500	18
14	7035	15
14.5	5840	14
15	4905	12
15.5	4640	11
Peak	28000	21
SS Value	11000	68
SS % Pk	39%	324%



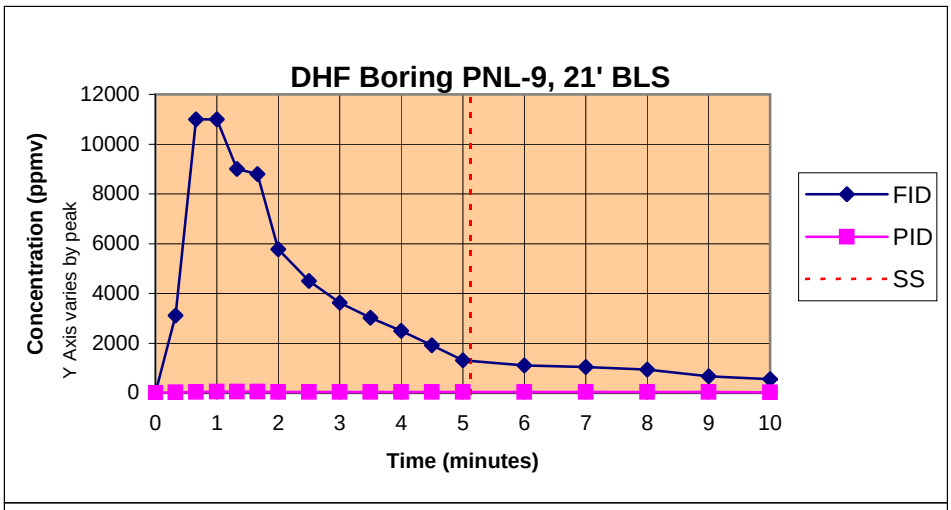


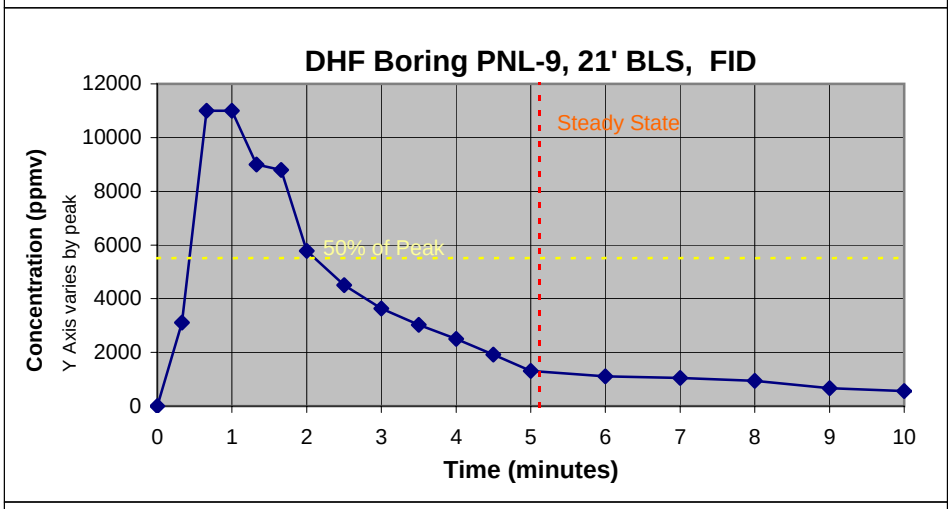


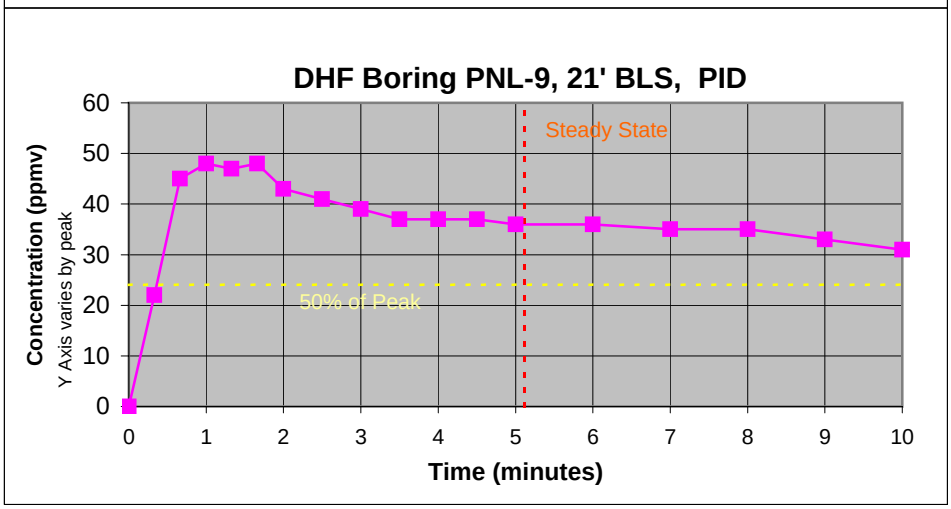
PNL-9-21'

TIME	FID	PID
0.00	0	0
0.33	3108	22
0.66	11000	45
1	11000	48
1.33	9000	47
1.66	8800	48
2	5780	43
2.5	4500	41
3	3630	39
3.5	3024	37
4	2500	37
4.5	1918	37
5	1307	36
6	1106	36
7	1046	35
8	940	35
9	671	33
10	556	31
11	521	30

Peak	11000	48
SS Value	1307	36
SS % Pk	12%	75%

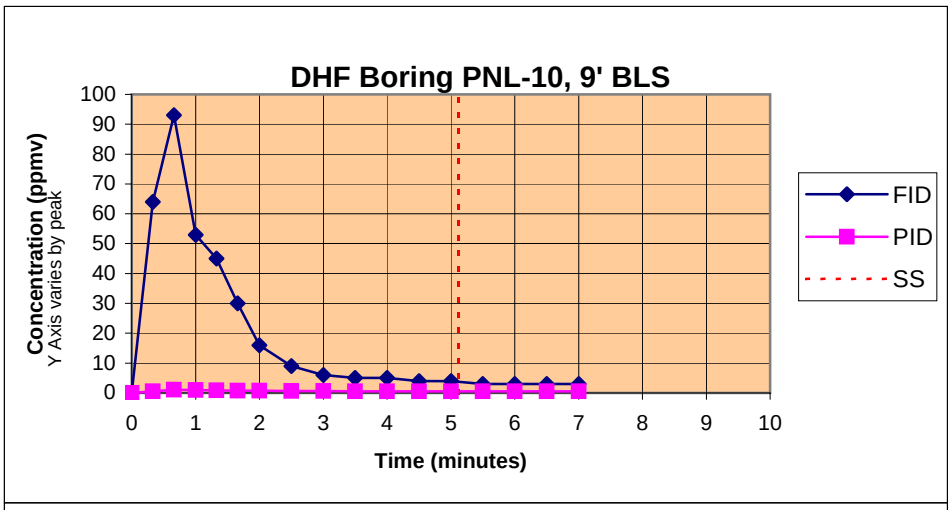


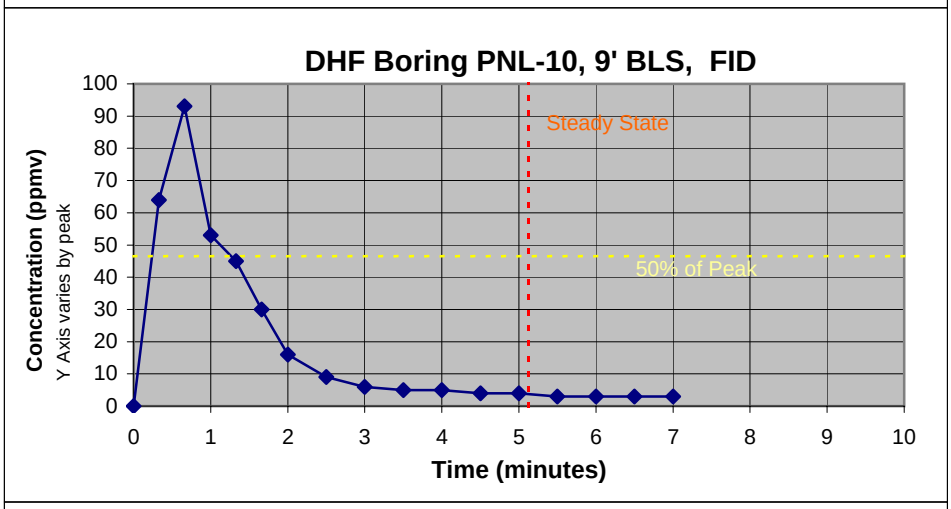


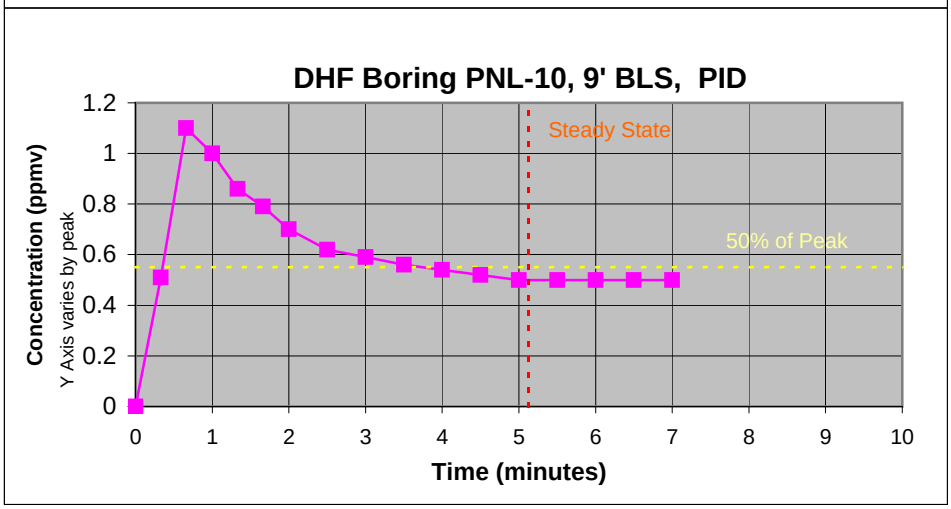


PNL-10-9'

TIME	FID	PID
0.00	0	0
0.33	64	0.51
0.66	93.0	1.1
1	53.0	1
1.33	45.0	0.86
1.66	30	0.79
2	16	0.7
2.5	9	0.62
3	6	0.59
3.5	5	0.56
4	5	0.54
4.5	4	0.52
5	4	0.5
5.5	3	0.5
6	3	0.5
6.5	3	0.5
7	3	0.5
Peak	93	1
SS Value	4	0.5
SS % Pk	4%	45%



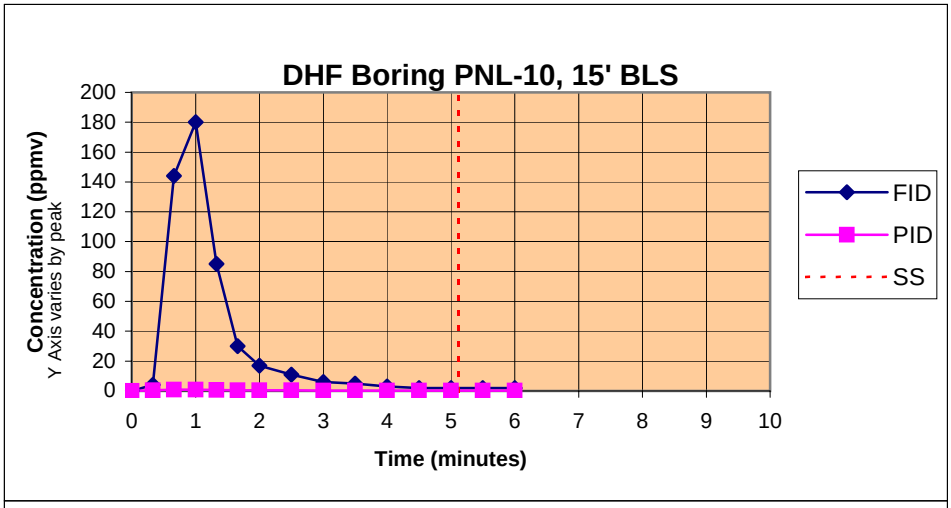


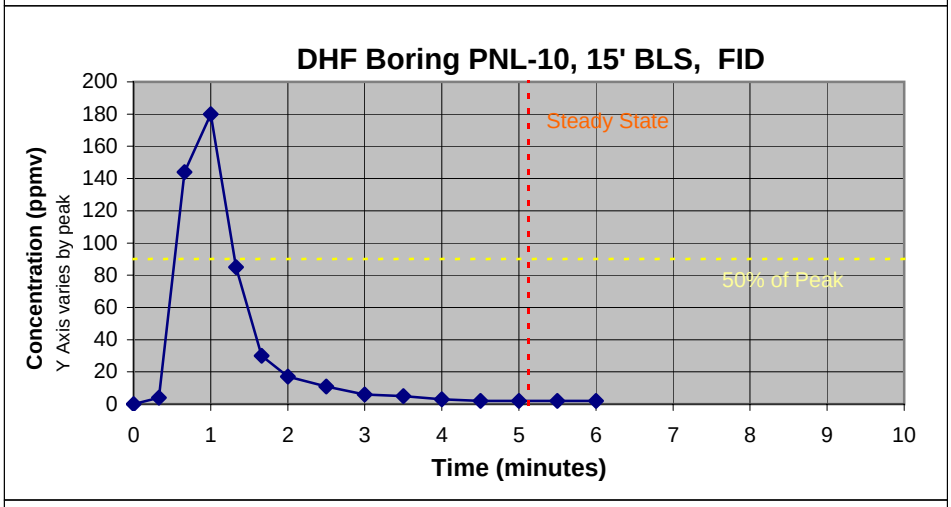


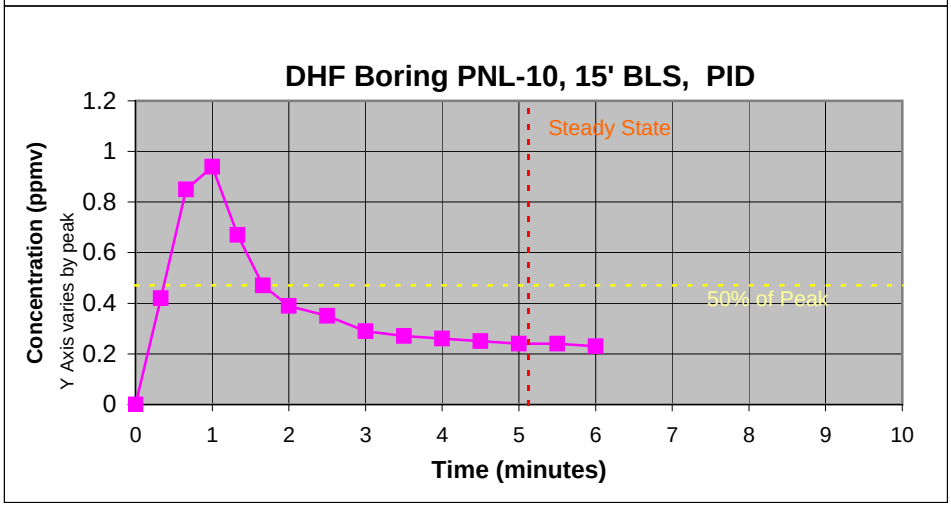
PNL-10-15'

TIME	FID	PID
0.00	0	0
0.33	4.0	0.42
0.66	144.0	0.85
1	180	0.94
1.33	85	0.67
1.66	30	0.47
2	17	0.39
2.5	11	0.35
3	6	0.29
3.5	5	0.27
4	3	0.26
4.5	2	0.25
5	2	0.24
5.5	2	0.24
6	2	0.23

Peak	180	1
SS Value	2	0.24
SS % Pk	1%	26%



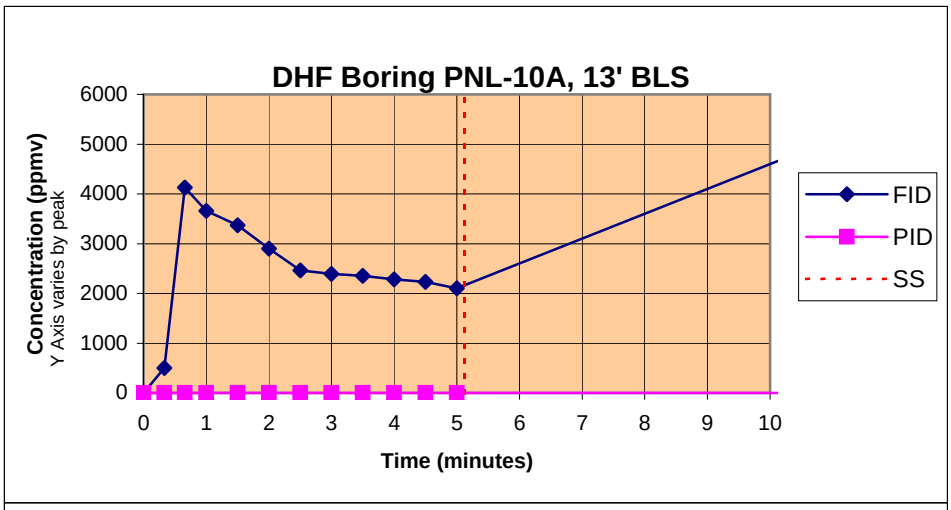


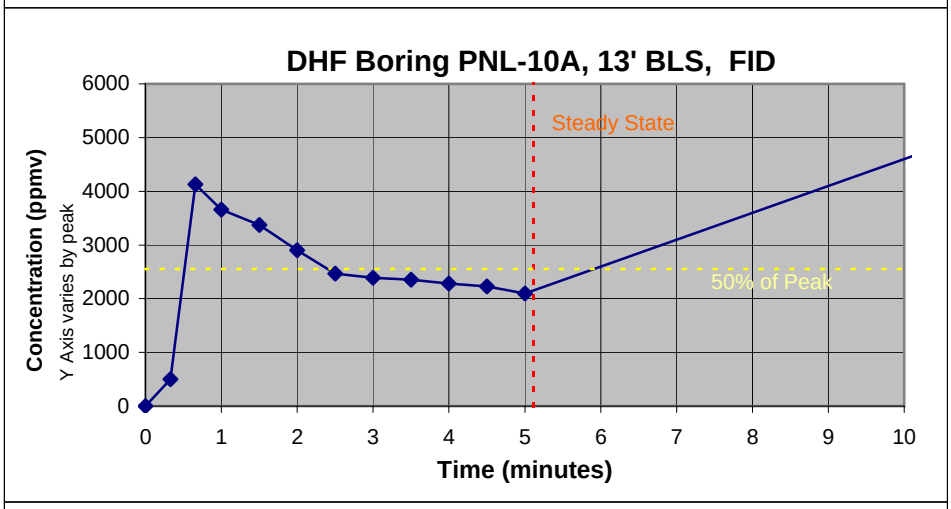


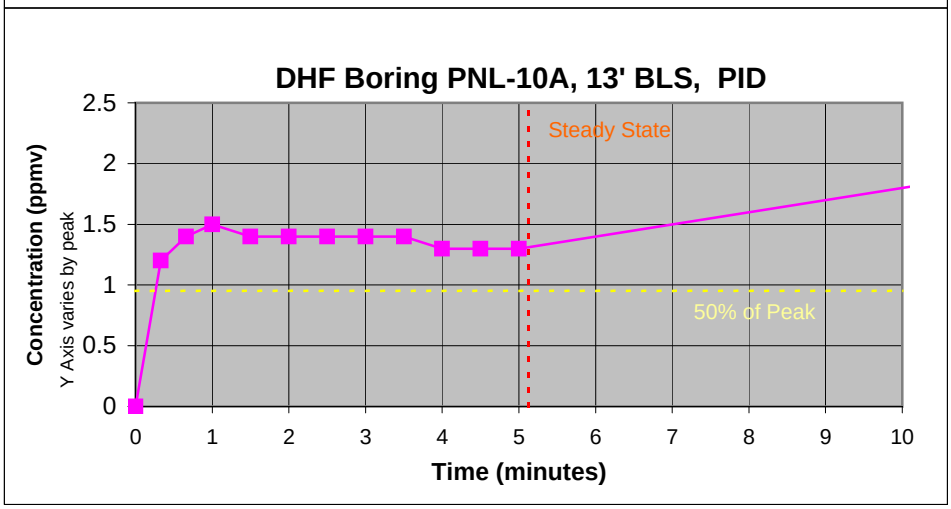
PNL-10A-13'

TIME	FID	PID
0.00	0	0
0.33	500	1.2
0.66	4127.0	1.4
1	3658.0	1.5
1.5	3370.0	1.4
2	2900	1.4
2.5	2465	1.4
3	2390	1.4
3.5	2355	1.4
4	2283	1.3
4.5	2231	1.3
5	2100	1.3
11	5100	1.9
11.5	3600	1.9
12	1102	1.9
12.5	990	1.4
13	845	1.4
13.5	793	1.3

Peak	5100	2
SS Value	2100	1.3
SS % Pk	41%	68%

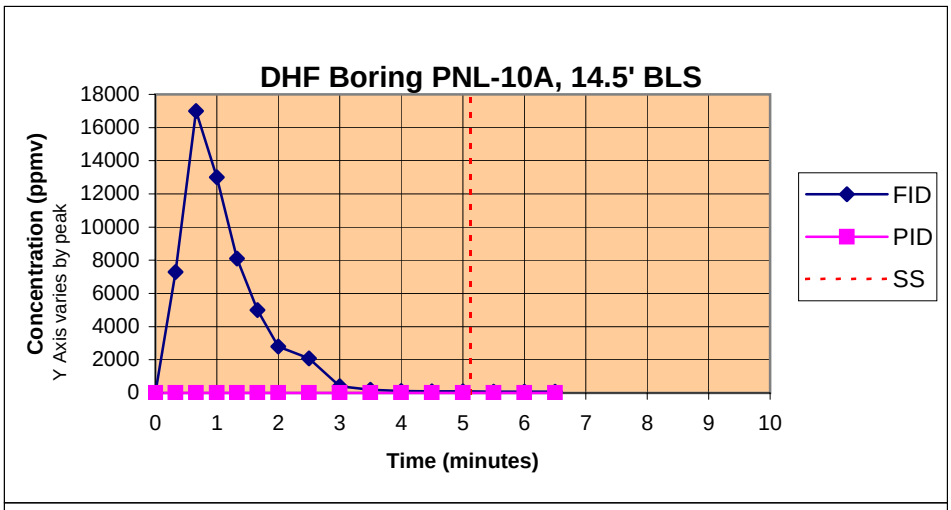


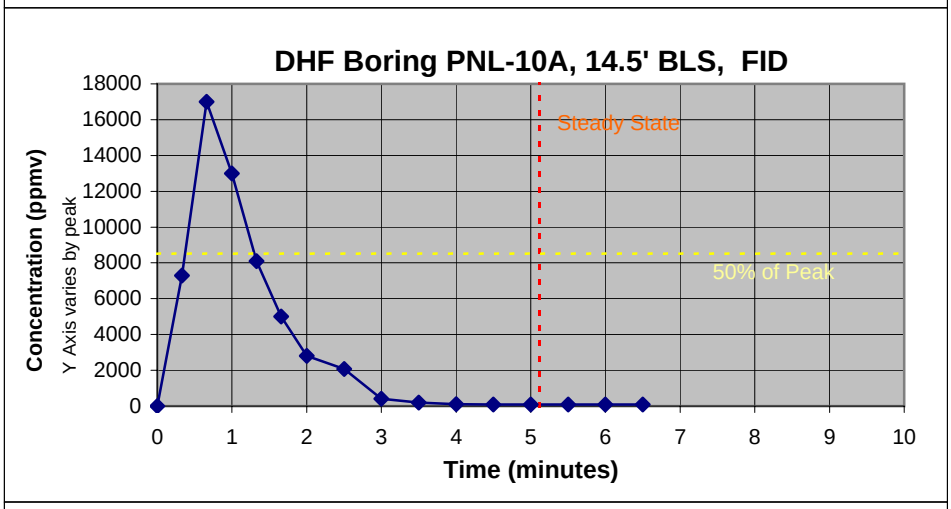


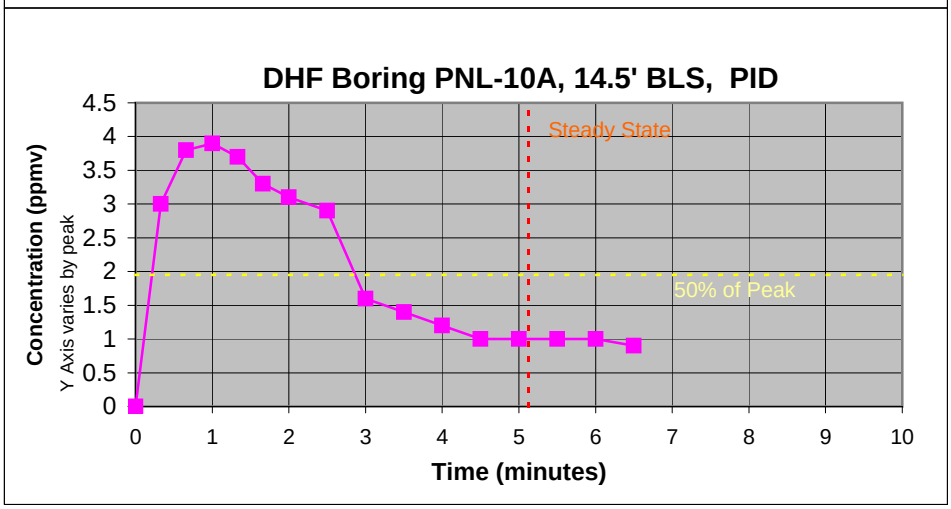


PNL-10A-14.5'

TIME	FID	PID
0.00	0	0
0.33	7300	3
0.66	17000.0	3.8
1	13000.0	3.9
1.33	8100.0	3.7
1.66	5000	3.3
2	2800	3.1
2.5	2076	2.9
3	404	1.6
3.5	194	1.4
4	108	1.2
4.5	96	1
5	90	1
5.5	86	1
6	82	1
6.5	81	0.9
Peak	17000	4
SS Value	90	1
SS % Pk	1%	26%



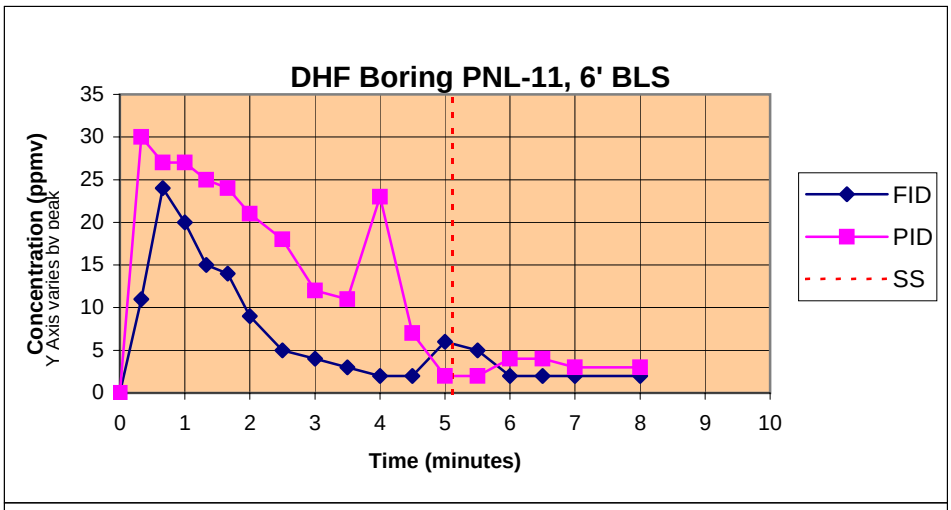


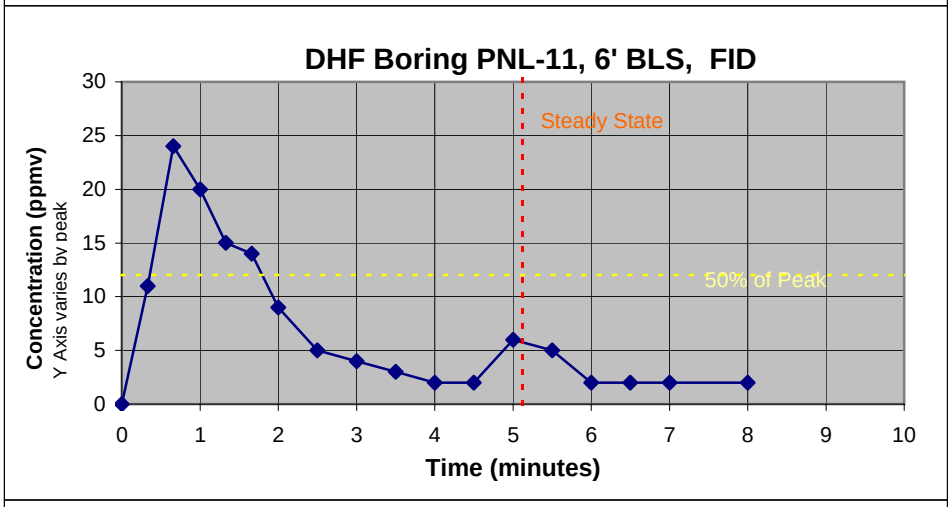


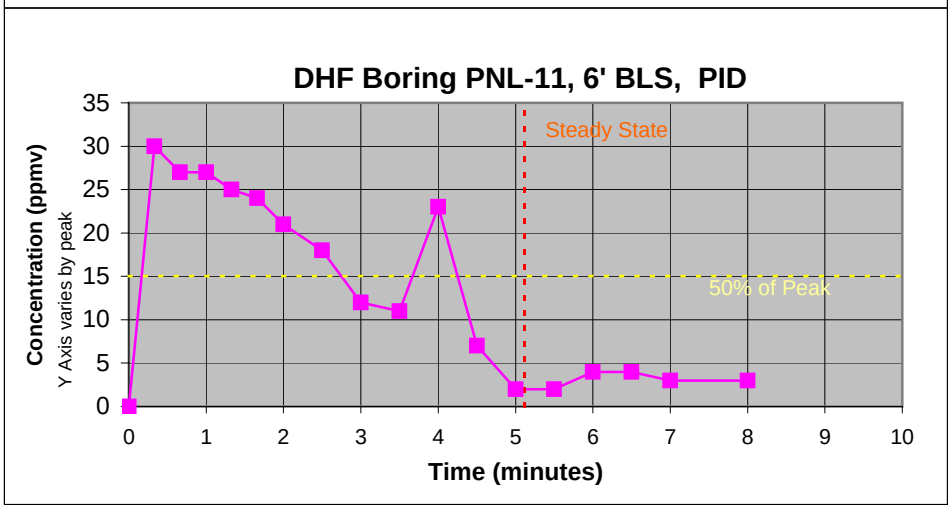
PNL-11-6'

TIME	FID	PID
0.00	0	0
0.33	11	30
0.66	24.0	27.0
1	20.0	27.0
1.33	15.0	25.0
1.66	14	24
2	9	21
2.5	5	18
3	4	12
3.5	3	11
4	2	23
4.5	2	7
5	6	2
5.5	5	2
6	2	4
6.5	2	4
7	2	3
8	2	3

Peak	24	30
SS Value	6	2
SS % Pk	25%	7%

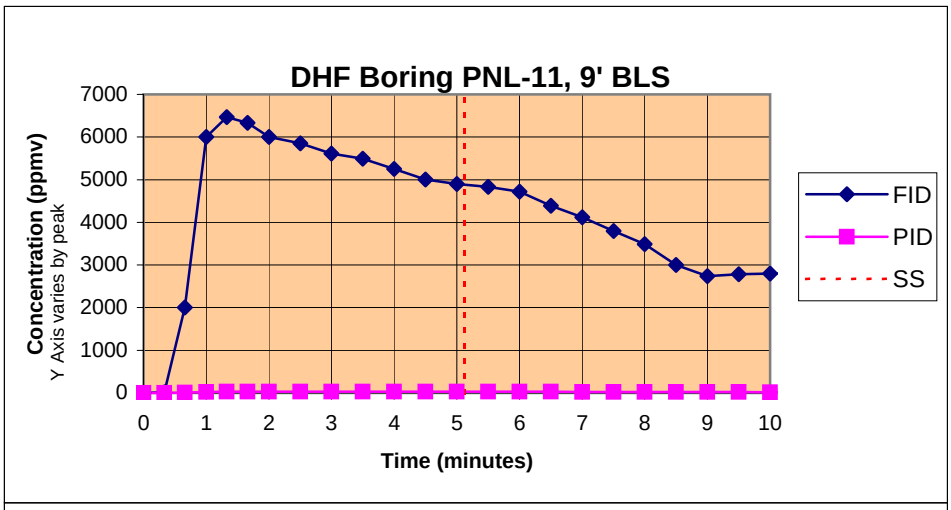


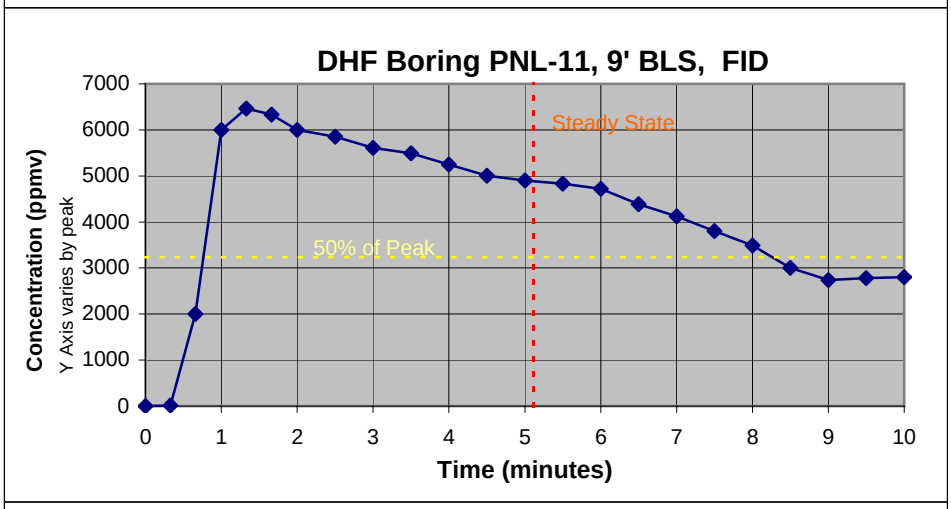


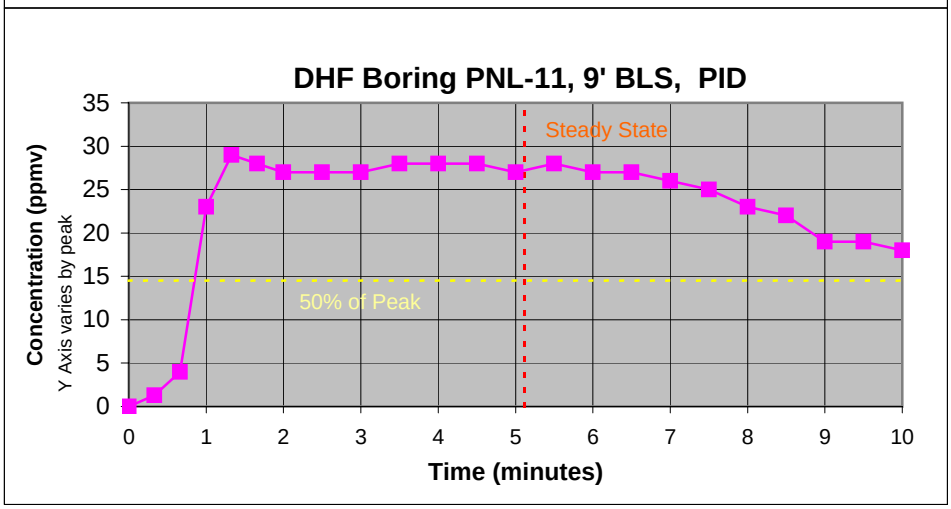


PNL-11-9'

TIME	FID	PID
0.00	0	0
0.33	15.0	1.3
0.66	2000.0	4
1	6001	23
1.33	6465	29
1.66	6330	28
2	6002	27
2.5	5850	27
3	5610	27
3.5	5490	28
4	5250	28
4.5	5002	28
5	4900	27
5.5	4830	28
6	4720	27
6.5	4388	27
7	4120	26
7.5	3800	25
8	3490	23
8.5	3000	22
9	2740	19
9.5	2780	19
10	2800	18
10.5	2809	19
11	2724	18
11.5	2550	18
12	2312	17
12.5	2130	16
13	1880	16
13.5	1730	15
Peak	6465	29
SS Value	4900	27
SS % Pk	76%	93%



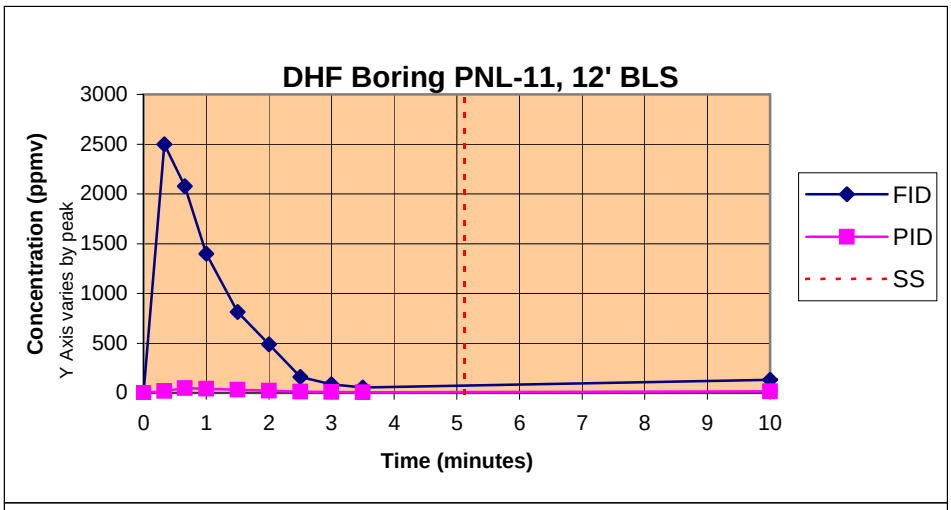


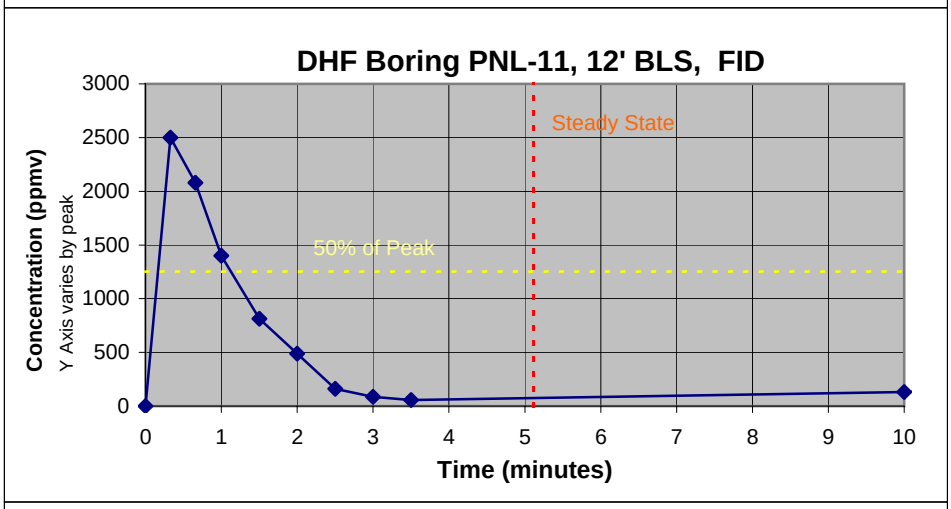


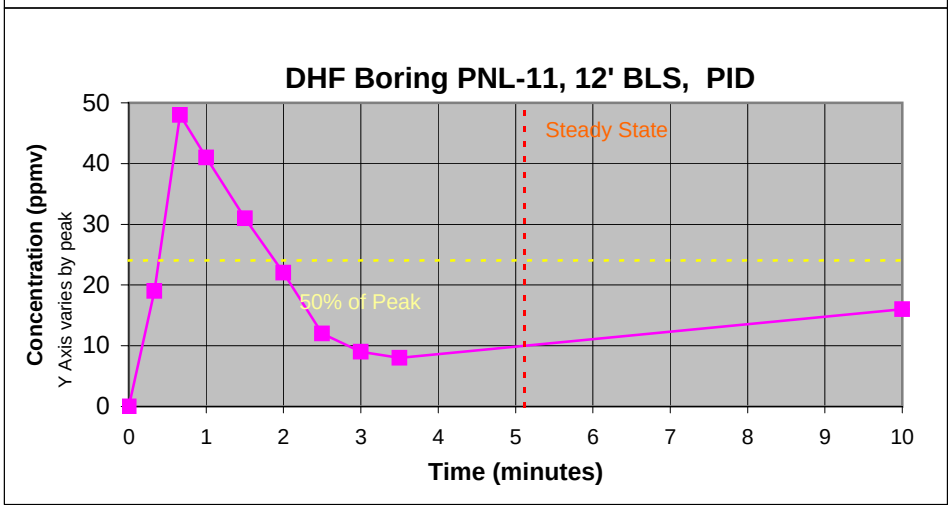
PNL-11-12'

TIME	FID	PID
0.00	0	0
0.33	2500	19
0.66	2078	48
1	1400	41
1.5	812	31
2	489	22
2.5	160	12
3	87	9
3.5	56	8
10	131	16
10.5	143	16
11	141	16
11.5	165	16
12	137	14
12.5	111	12
13	96	11
13.5	89	11
14	86	11

Peak	2500	48
SS Value	50	10
SS % Pk	2%	21%

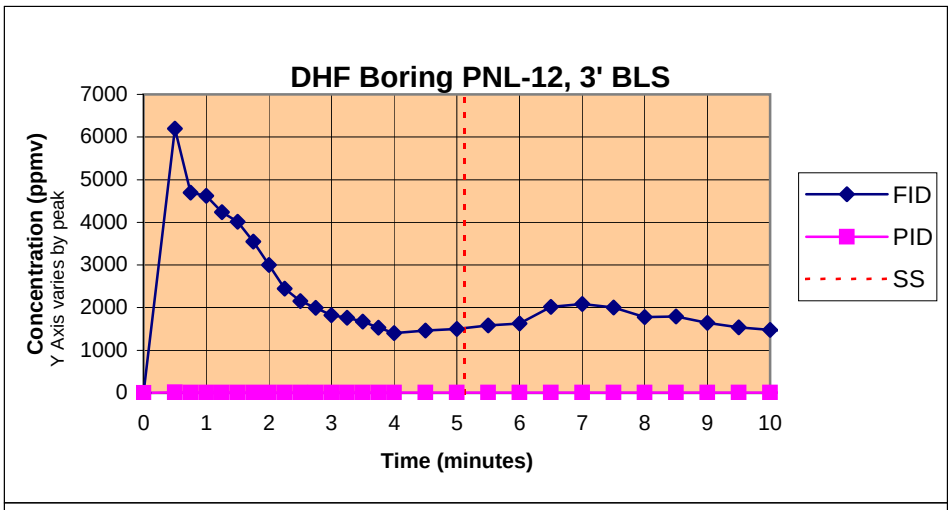


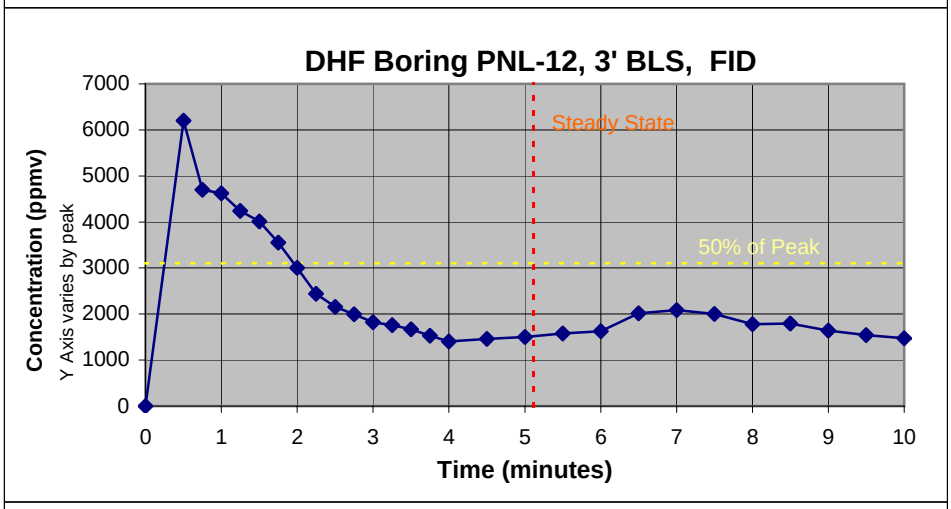


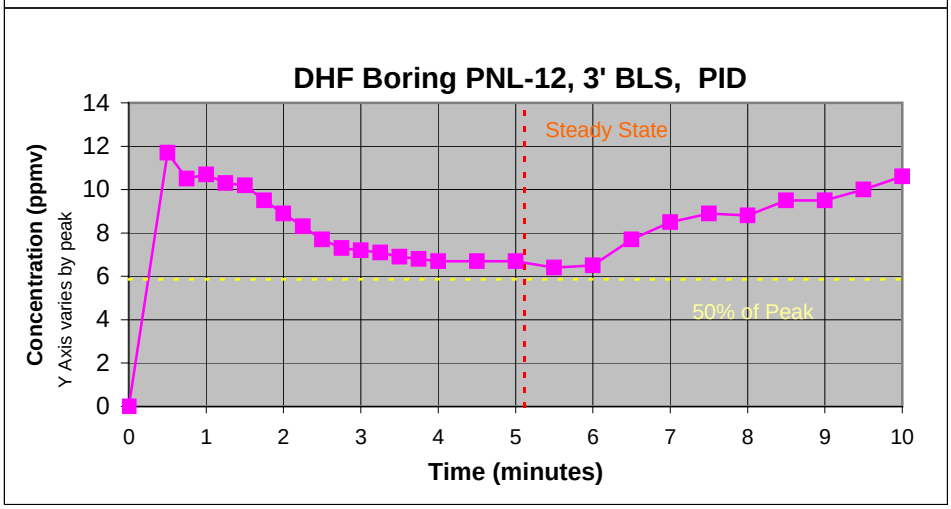


PNL-12-3'

TIME	FID	PID
0.00	0	0
0.5	6200.0	11.7
0.75	4700.0	10.5
1	4620.0	10.7
1.25	4240	10.3
1.5	4013	10.2
1.75	3550	9.5
2	3002	8.9
2.25	2443	8.3
2.5	2154	7.7
2.75	1994	7.3
3	1823	7.2
3.25	1760	7.1
3.5	1671	6.9
3.75	1530	6.8
4	1403	6.7
4.5	1461	6.7
5	1500	6.7
5.5	1580	6.4
6	1625	6.5
6.5	2018	7.7
7	2082	8.5
7.5	2003	8.9
8	1778	8.8
8.5	1790	9.5
9	1640	9.5
9.5	1540	10
10	1475	10.6
11	1409	11.5
Peak	6200	12
SS Value	1500	6.7
SS % Pk	24%	57%



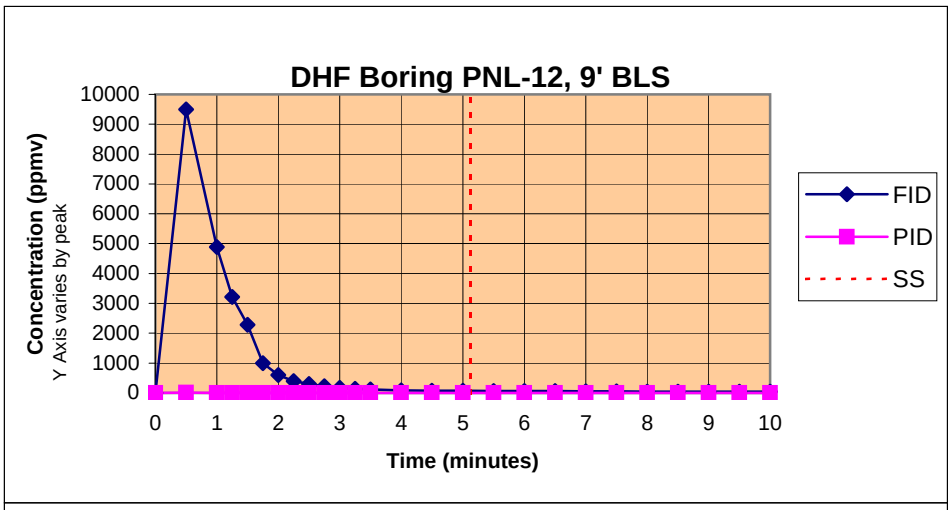


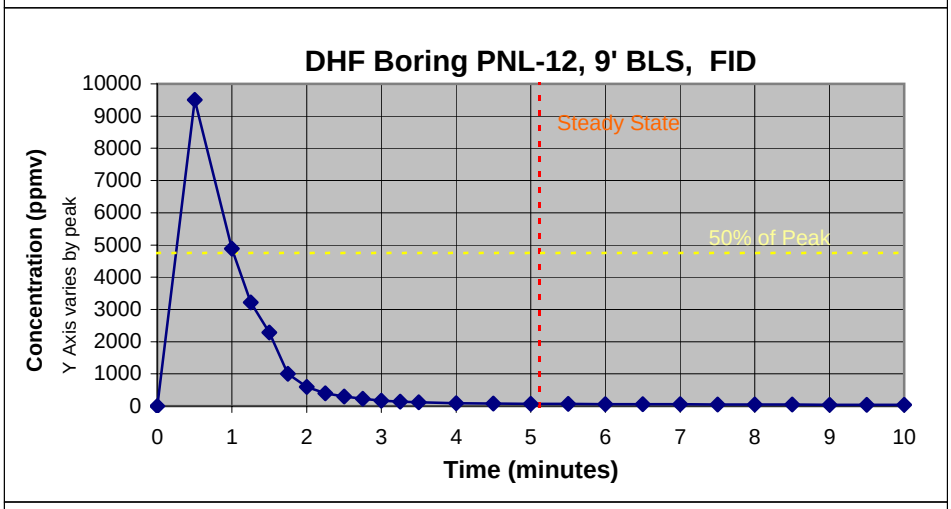


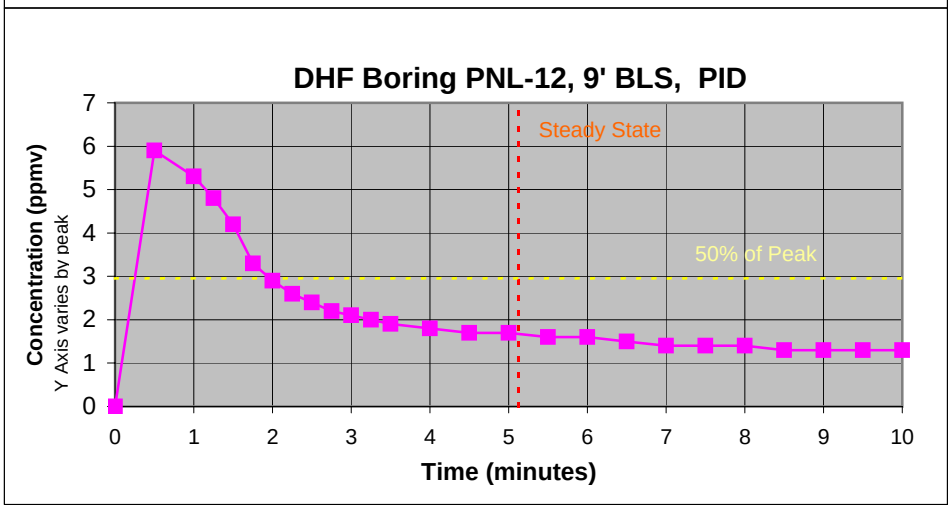
PNL-12-9'

TIME	FID	PID
0.00	0	0
0.5	9500.0	5.9
1	4890.0	5.3
1.25	3217	4.8
1.5	2280	4.2
1.75	1000	3.3
2	600	2.9
2.25	400	2.6
2.5	300	2.4
2.75	230	2.2
3	170	2.1
3.25	140	2
3.5	115	1.9
4	90	1.8
4.5	77	1.7
5	71	1.7
5.5	65	1.6
6	63	1.6
6.5	59	1.5
7	55	1.4
7.5	51	1.4
8	47	1.4
8.5	45	1.3
9	42	1.3
9.5	39	1.3
10	38	1.3

Peak	9500	6
SS Value	71	1.7
SS % Pk	1%	29%



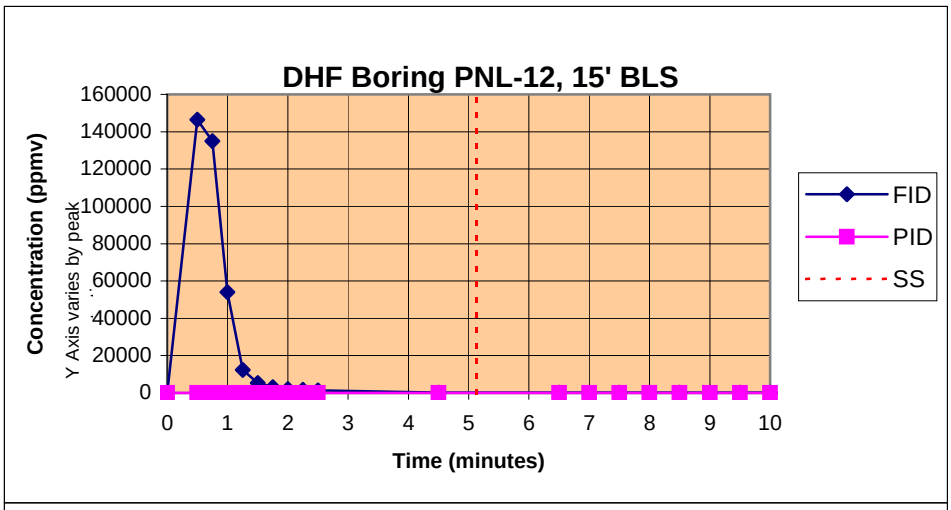


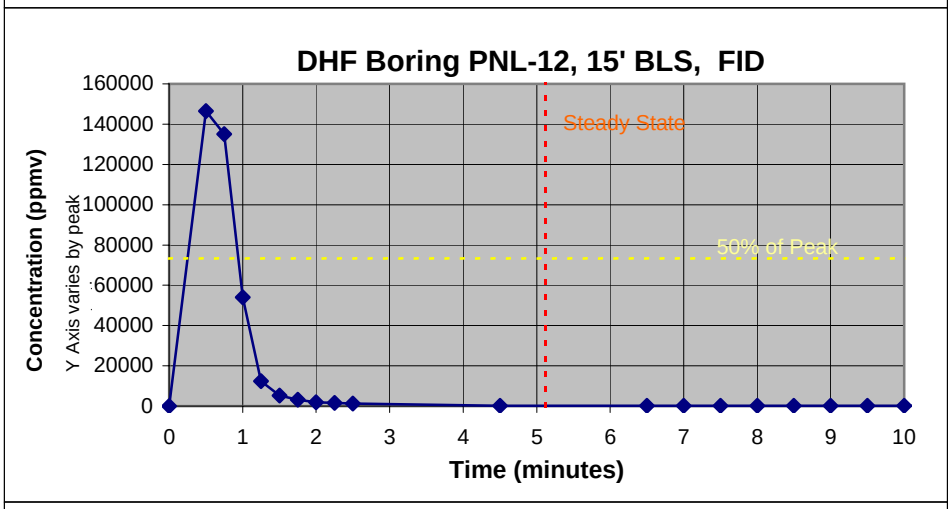


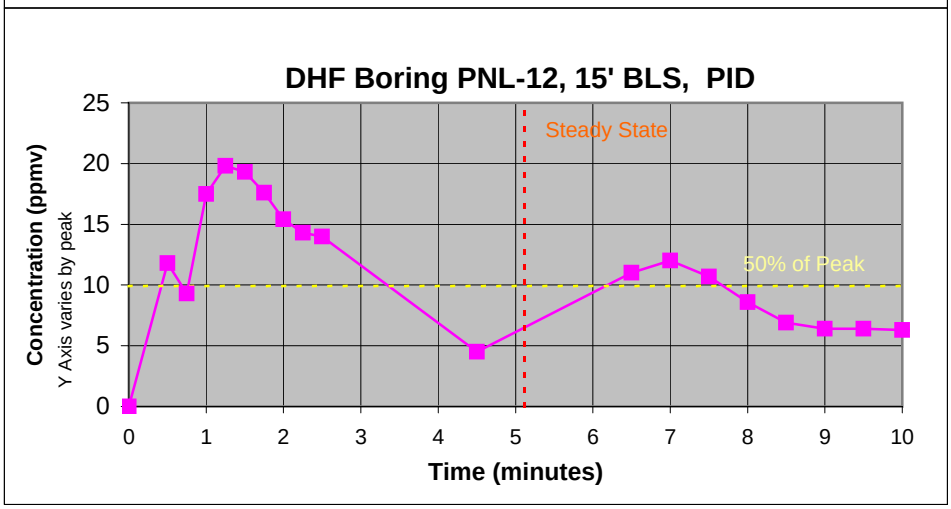
PNL-12-15'

TIME	FID	PID
0.00	0	0
0.5	146500	11.8
0.75	135000	9.3
1	54000	17.5
1.25	12400	19.8
1.5	5310	19.3
1.75	3100	17.6
2	1977	15.4
2.25	1630	14.3
2.5	1348	14
4.5	224	4.5
6.5	137	11
7	203	12
7.5	181	10.7
8	153	8.6
8.5	138	6.9
9	134	6.4
9.5	134	6.4
10	133	6.3
10.5	130	6.2
11	129	6.1
12	121	5.9
13	115	5.9

Peak	146500	20
SS Value	224	4.5
SS % Pk	0%	23%

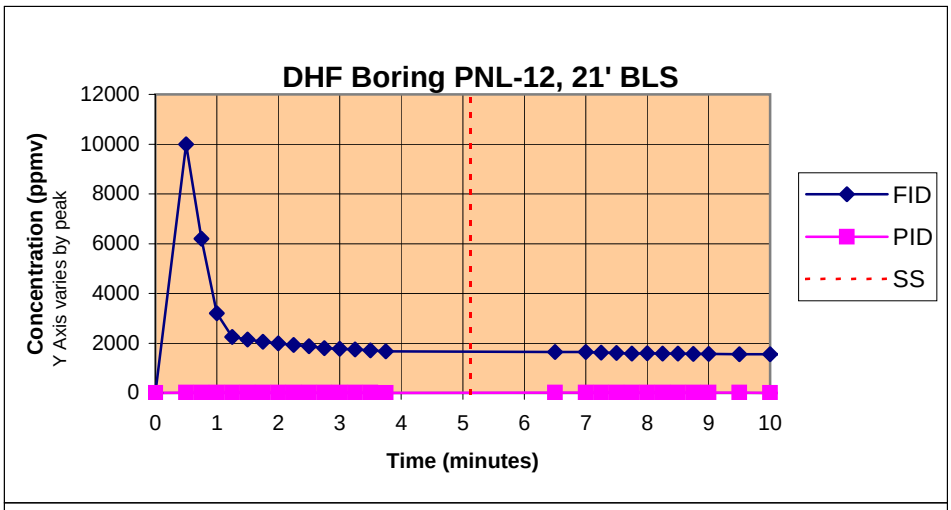


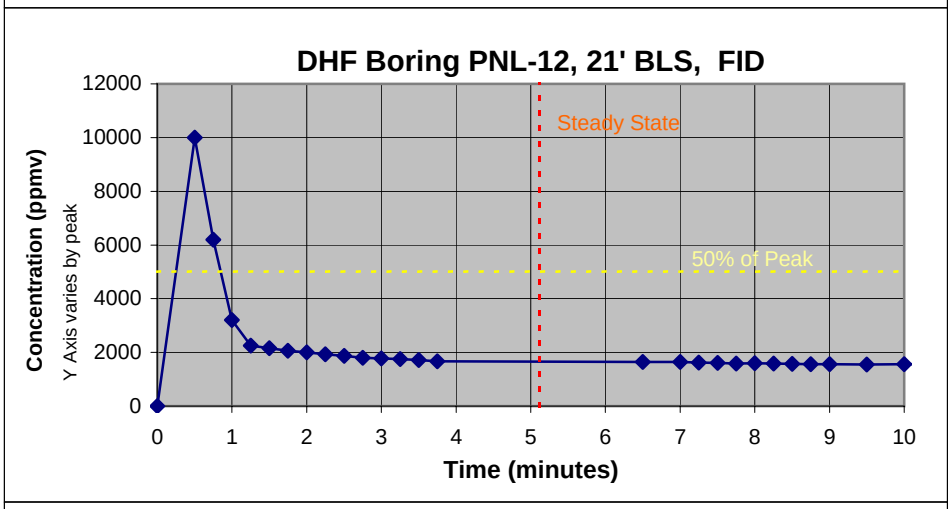


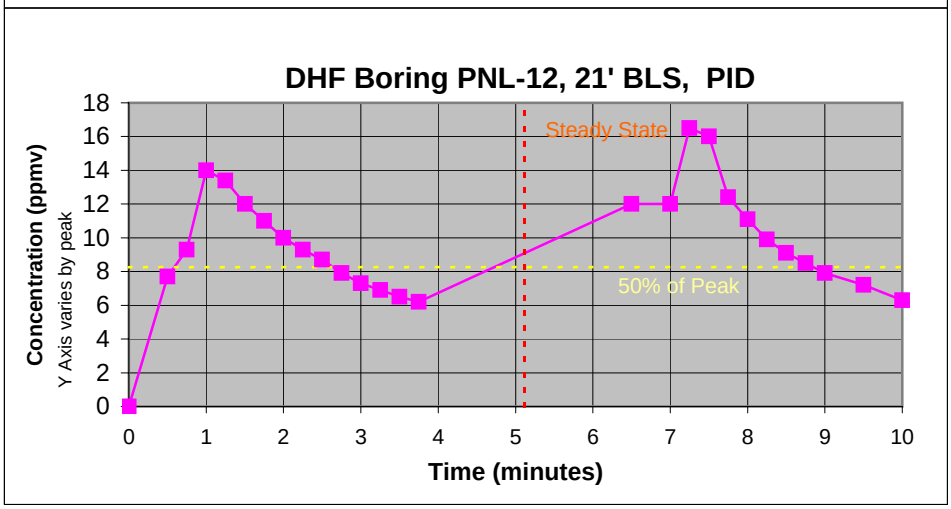


PNL-12-21'

TIME	FID	PID
0.00	0	0
0.5	10,000	7.7
0.75	6200.0	9.3
1	3200.0	14
1.25	2247	13.4
1.5	2154	12
1.75	2064	11
2	2000	10
2.25	1934	9.3
2.5	1872	8.7
2.75	1798	7.9
3	1781	7.3
3.25	1748	6.9
3.5	1713	6.5
3.75	1673	6.2
6.5	1642	12
7	1641	12
7.25	1624	16.5
7.5	1612	16
7.75	1584	12.4
8	1592	11.1
8.25	1581	9.9
8.5	1577	9.1
8.75	1565	8.5
9	1567	7.9
9.5	1554	7.2
10	1560	6.3
11	1556	4.9
12	1559	4.2
13	1573	4.5
Peak	10000	17
SS Value	1642	8.5
SS % Pk	16%	52%



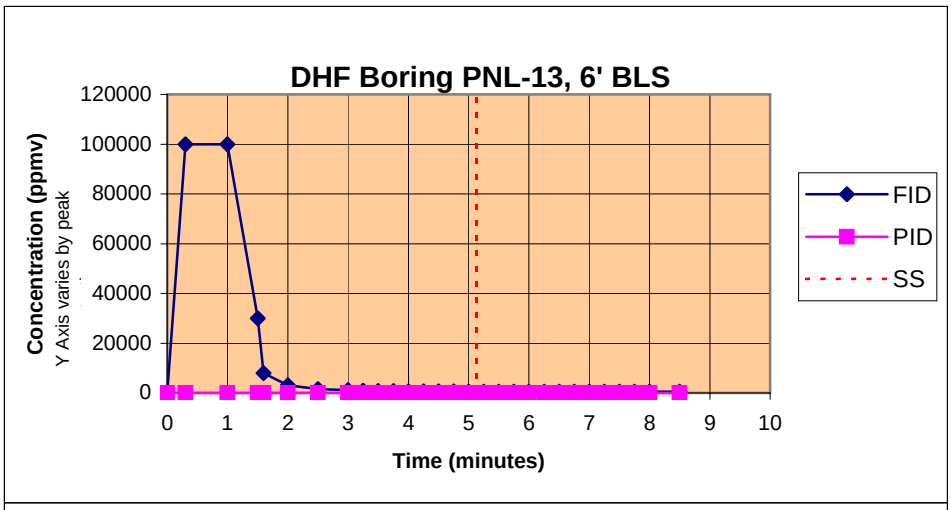


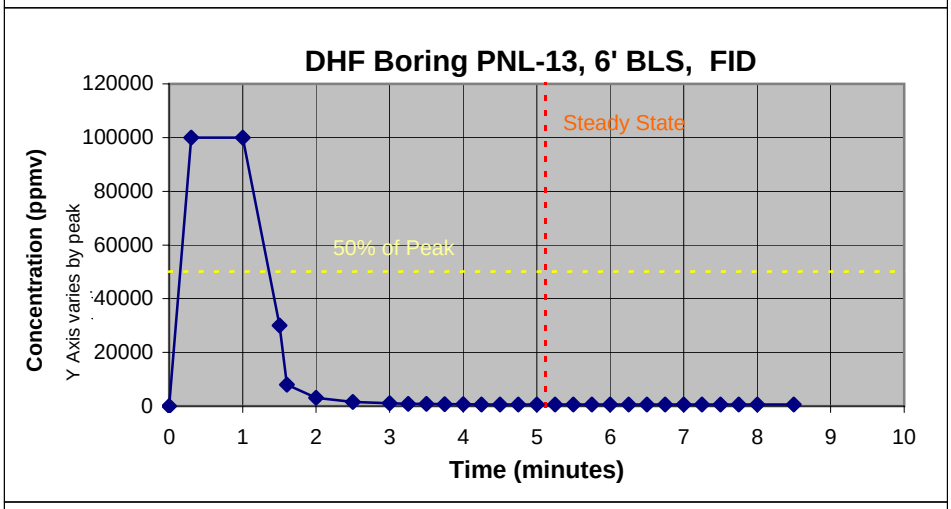


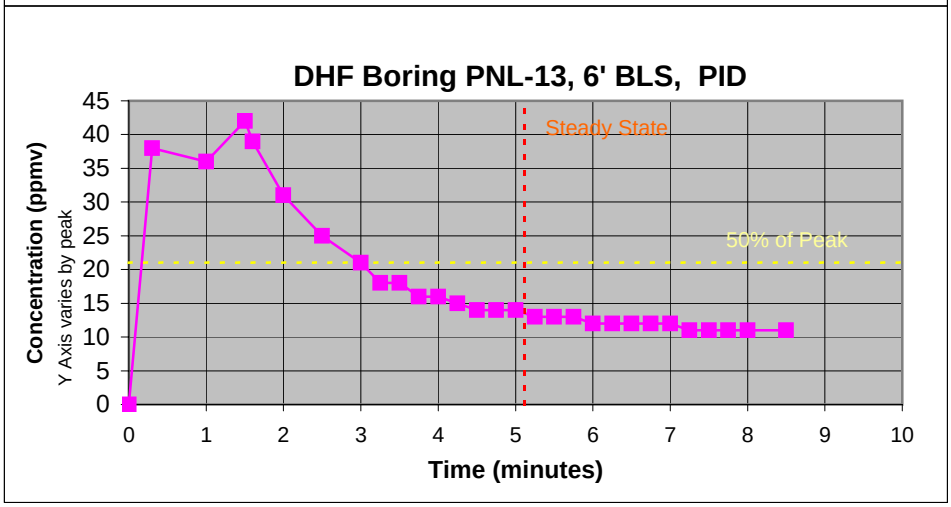
PNL-13-6'

TIME	FID	PID
0.00	0	0
0.3	100000	38
1	100000	36
1.5	30000	42
1.6	8000	39
2	3100	31
2.5	1600	25
3	1100	21
3.25	880	18
3.5	800	18
3.75	720	16
4	670	16
4.25	620	15
4.5	600	14
4.75	580	14
5	570	14
5.25	560	13
5.5	550	13
5.75	550	13
6	540	12
6.25	540	12
6.5	540	12
6.75	540	12
7	540	12
7.25	540	11
7.5	540	11
7.75	540	11
8	540	11
8.5	540	11

Peak	100000	42
SS Value	570	14
SS % Pk	1%	33%



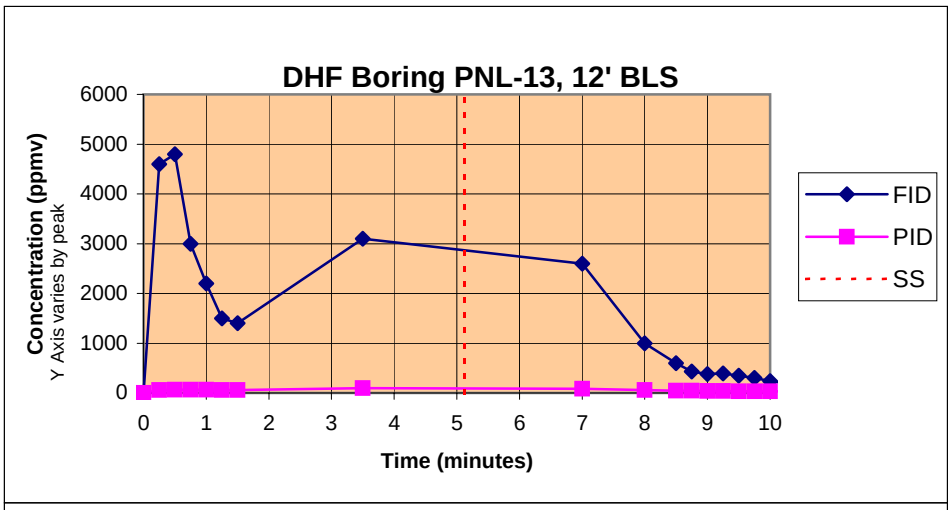


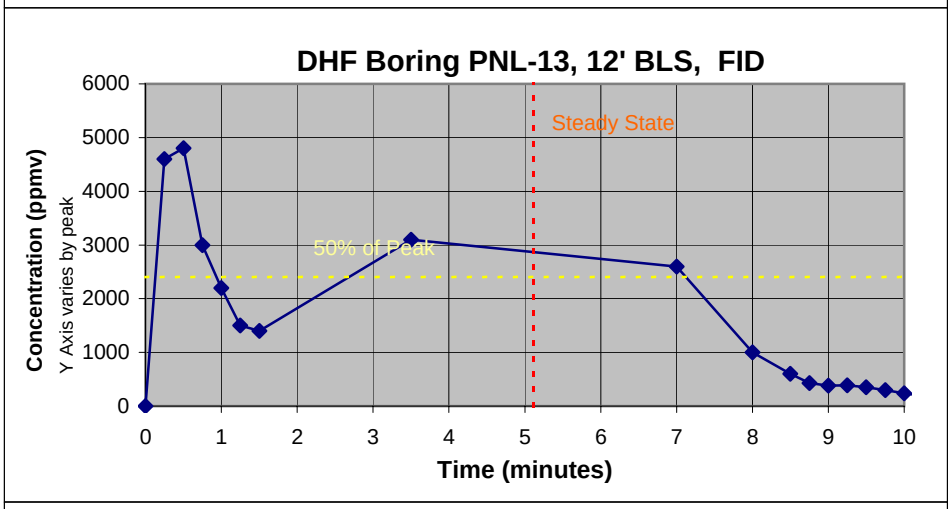


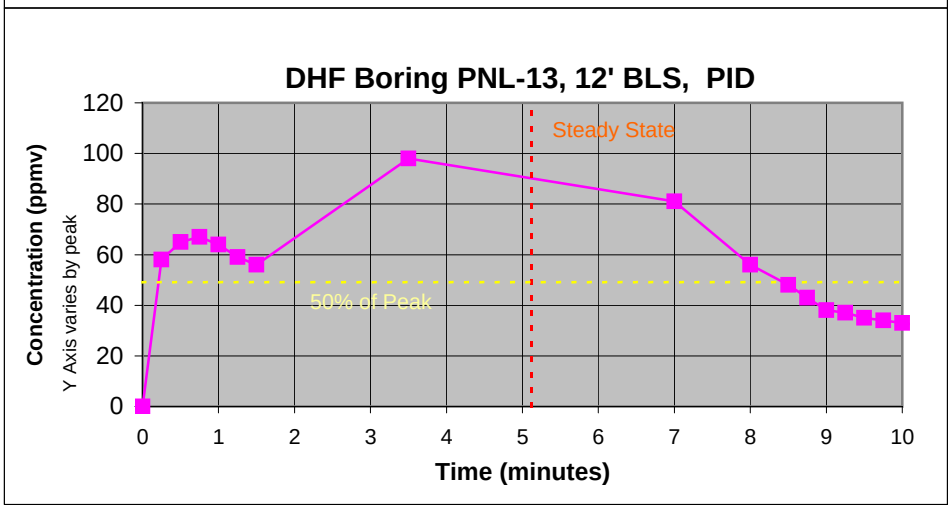
PNL-13-12'

TIME	FID	PID
0.00	0	0
0.25	4600.0	58
0.5	4800.0	65
0.75	3000	67
1	2200	64
1.25	1500	59
1.5	1400	56
3.5	3100	98
7	2600	81
8	1000	56
8.5	600	48
8.75	430	43
9	380	38
9.25	390	37
9.5	350	35
9.75	300	34
10	240	33
10.25	190	32
10.5	170	32
10.75	160	32
11	140	31
12	75	25

Peak	4800	98
SS Value	2800	90
SS % Pk	58%	92%

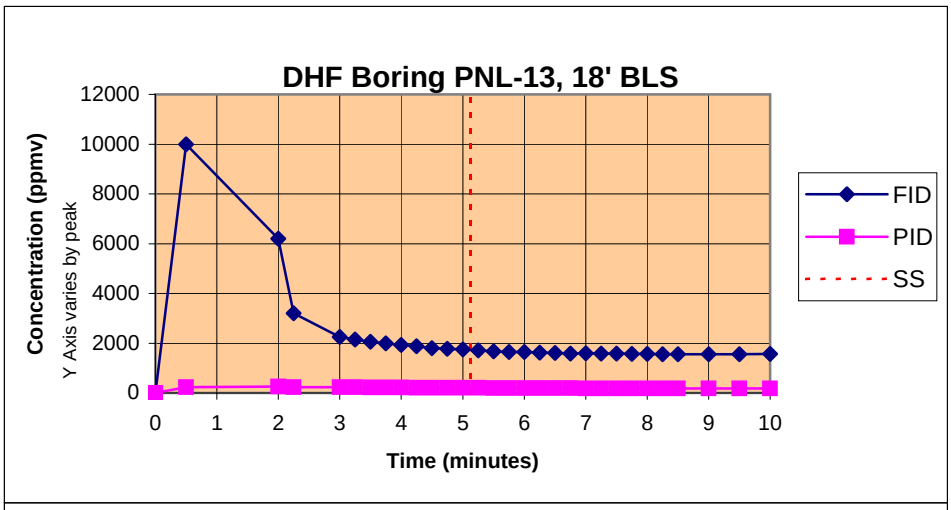


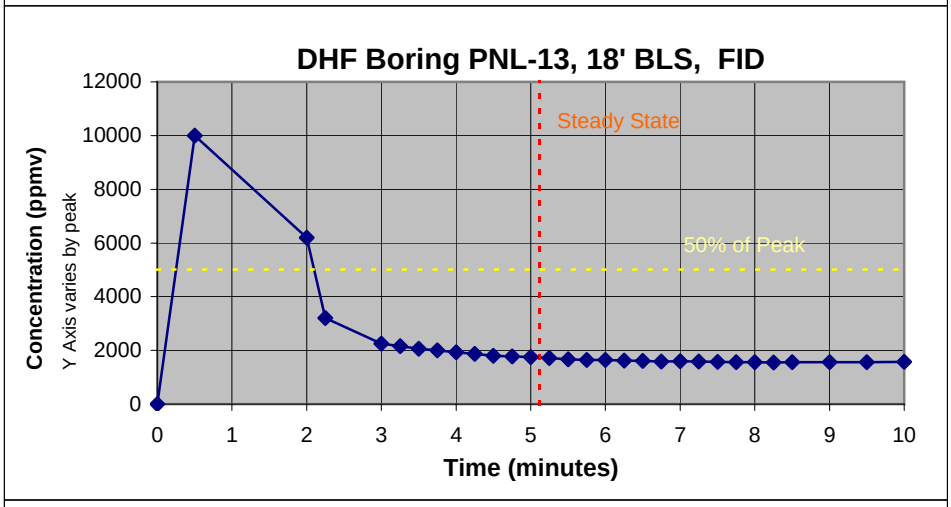


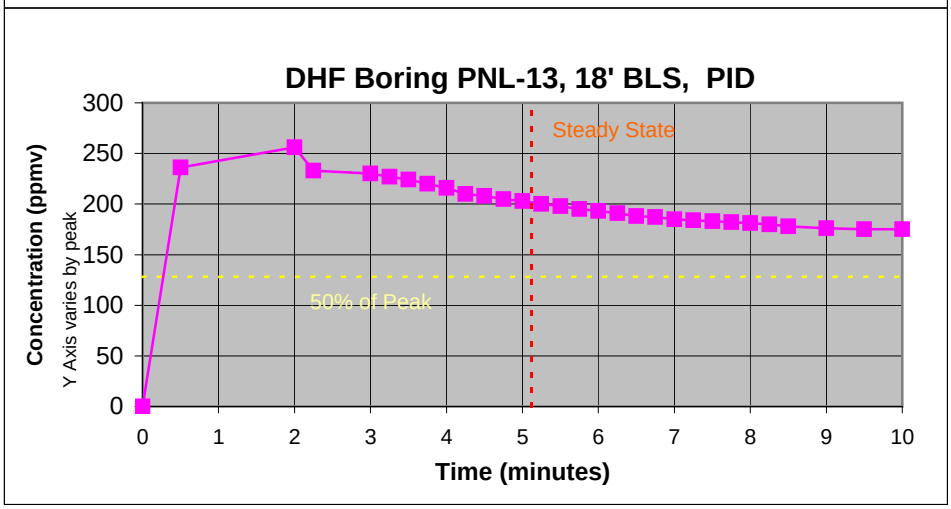


PNL-13-18'

TIME	FID	PID
0.00	0	0
0.5	10,000	236
2	6200.0	256
2.25	3200.0	233
3	2247	230.0
3.25	2154	227
3.5	2064	224
3.75	2000	220
4	1934	216
4.25	1872	210
4.5	1798	208
4.75	1781	205
5	1748	203
5.25	1713	200
5.5	1673	198
5.75	1642	195
6	1641	193
6.25	1624	191
6.5	1612	188
6.75	1584	187
7	1592	185
7.25	1581	184
7.5	1577	183
7.75	1565	182
8	1567	181
8.25	1554	180
8.5	1560	178
9	1556	176
9.5	1559	175
10	1573	175
Peak	10000	256
SS Value	1748	203
SS % Pk	17%	79%



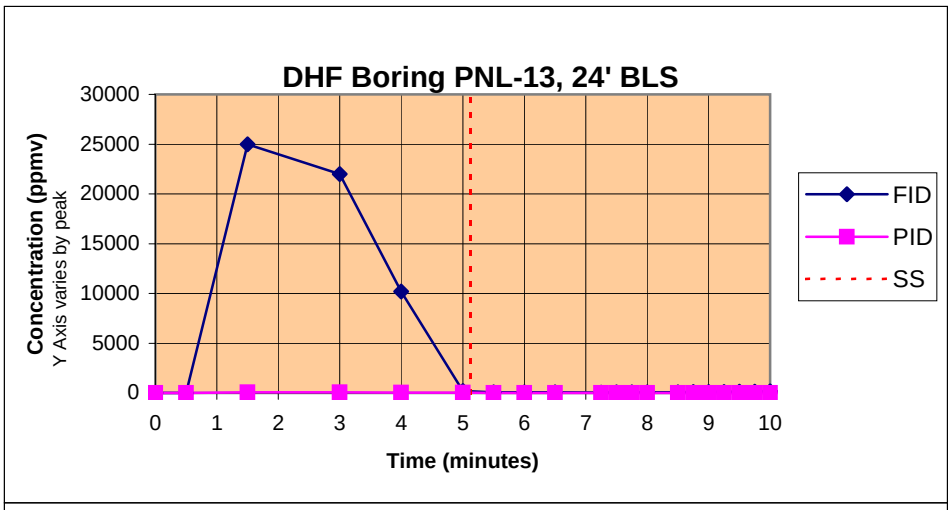


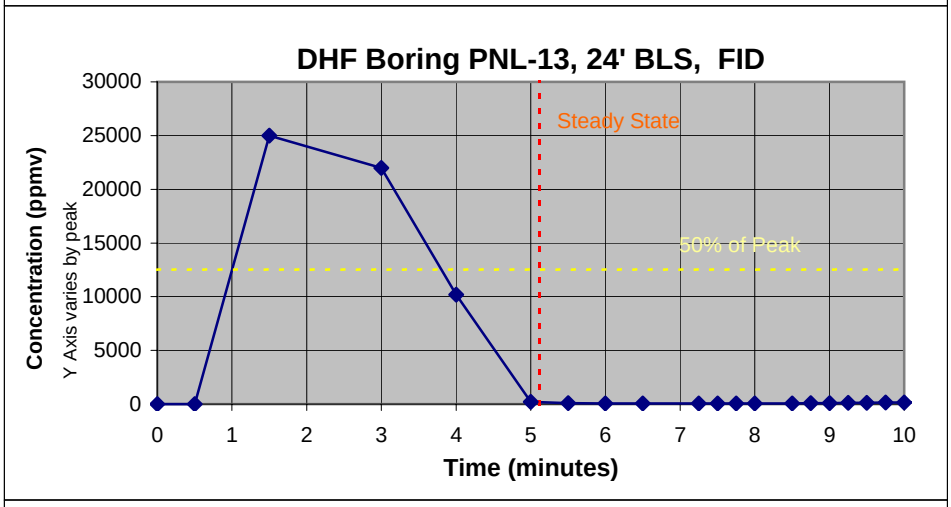


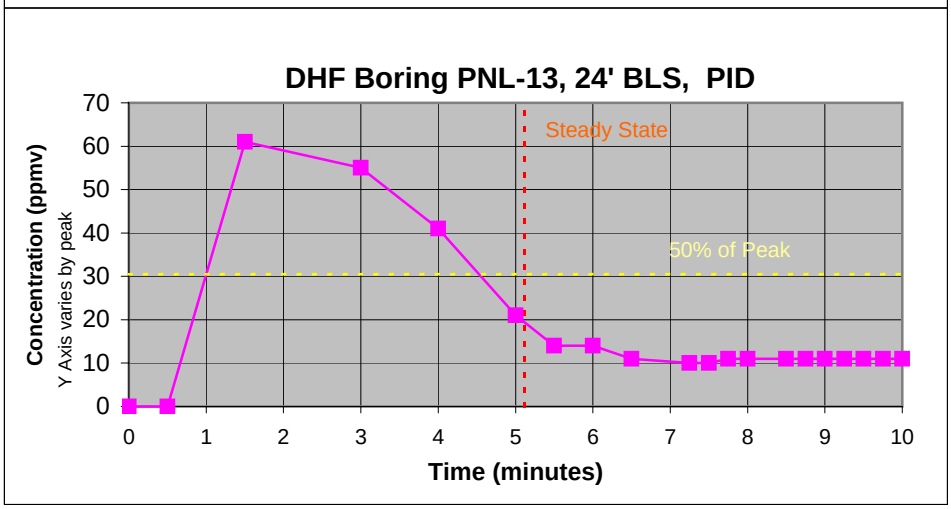
PNL-13-24'

TIME	FID	PID
0.00	0	0
0.5	0.0	0
1.5	25000.0	61
3	22000	55
4	10200	41
5	200	21
5.5	80	14
6	50	14
6.5	50	11
7.25	48	10
7.5	54	10
7.75	56	11
8	61	11
8.5	74	11
8.75	90	11
9	97	11
9.25	112	11
9.5	120	11
9.75	140	11
10	150	11
10.5	200	11
11	240	11
11.5	300	11
12	360	11
12.5	430	12
13	480	12
		12

Peak	25000	61
SS Value	200	21
SS % Pk	1%	34%

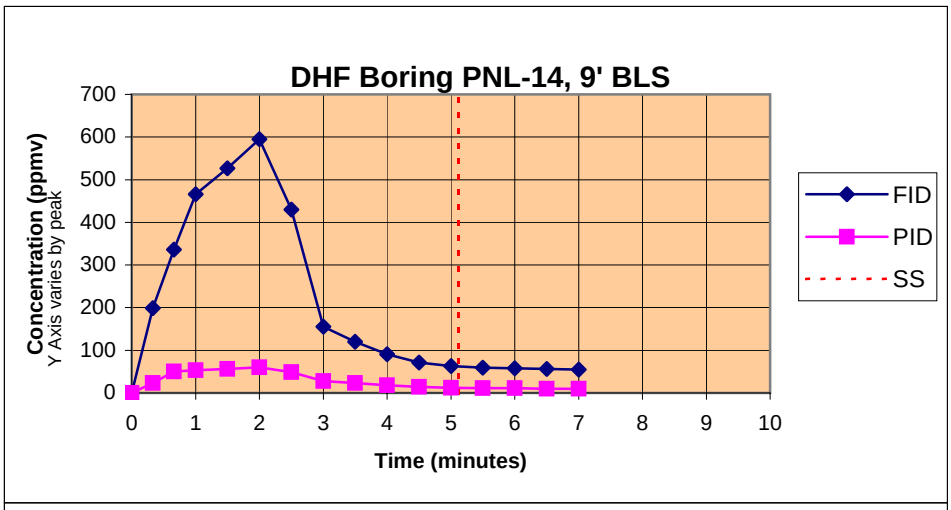


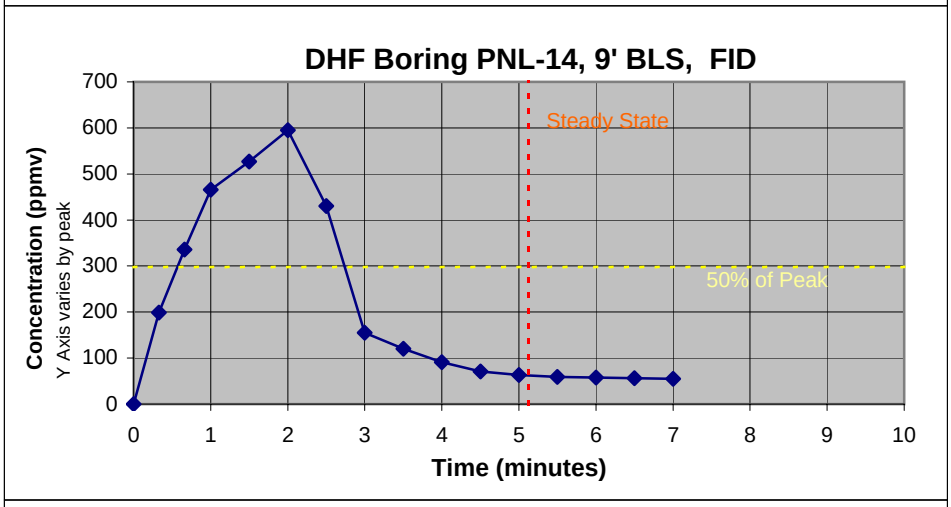


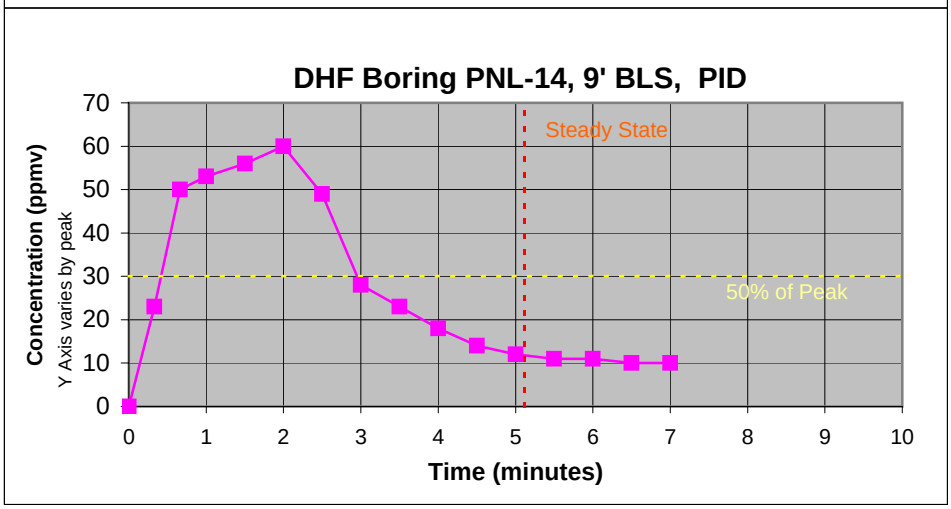


PNL-14-9'

TIME	FID	PID
0.00	0	0
0.33	199	23
0.66	336.0	50.0
1	466.0	53.0
1.5	527.0	56.0
2	595	60
2.5	430	49
3	155	28
3.5	120	23
4	91	18
4.5	71	14
5	63	12
5.5	59	11
6	58	11
6.5	56	10
7	55	10
Peak	595	60
SS Value	63	12
SS % Pk	11%	20%



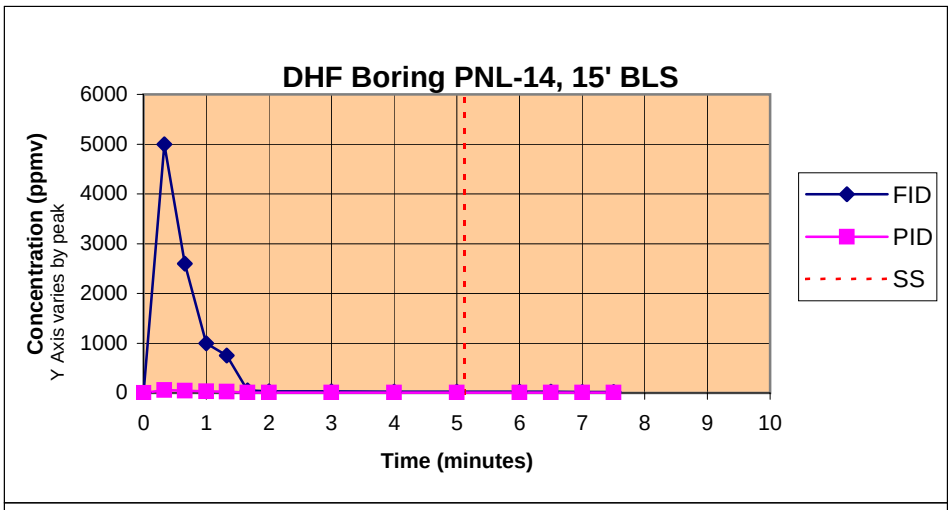


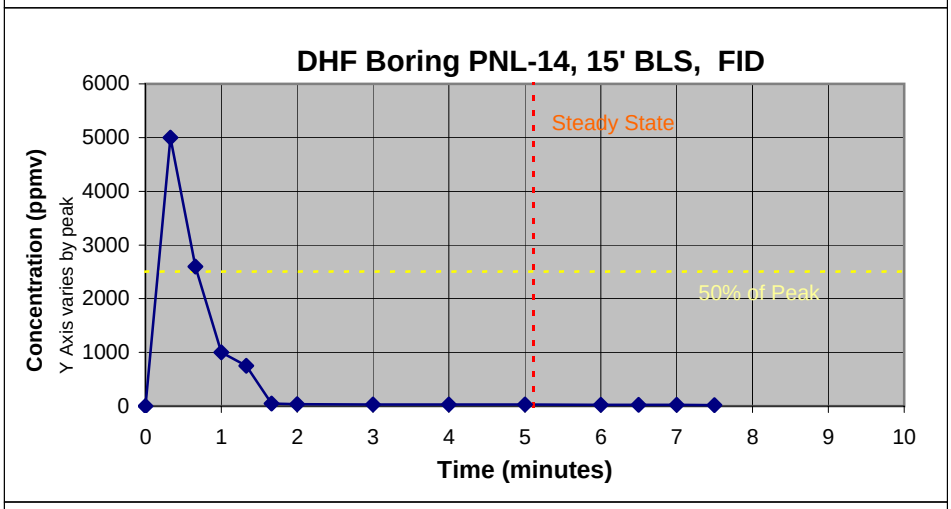


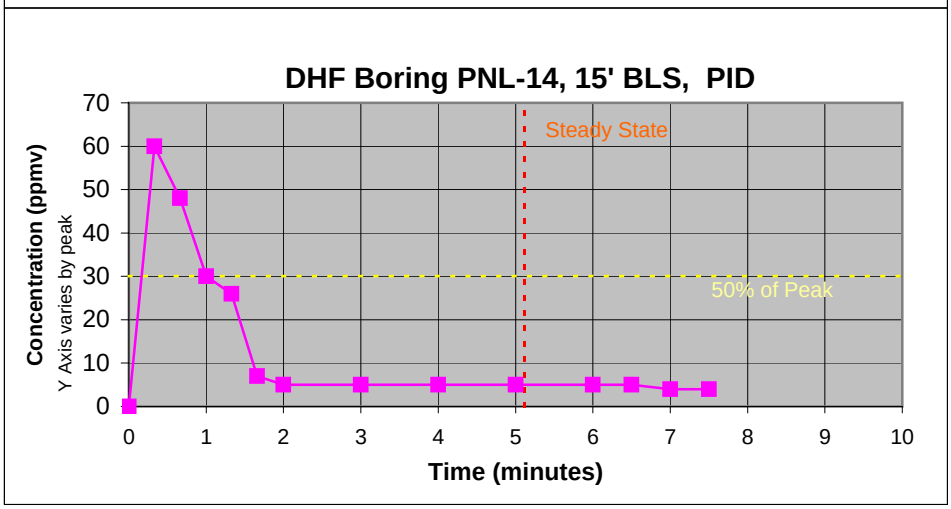
PNL-14-15'

TIME	FID	PID
0.00	0	0
0.33	5000.0	60
0.66	2600.0	48
1	1000	30
1.33	750	26
1.66	50	7
2	34	5
3	30	5
4	28	5
5	27	5
6	25	5
6.5	23	5
7	21	4
7.5	19	4

Peak	5000	60
SS Value	27	5
SS % Pk	1%	8%

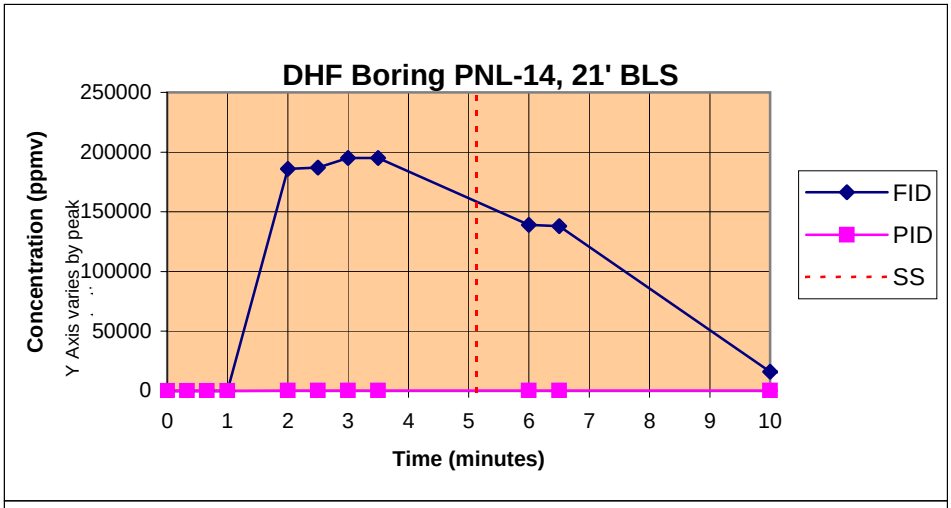


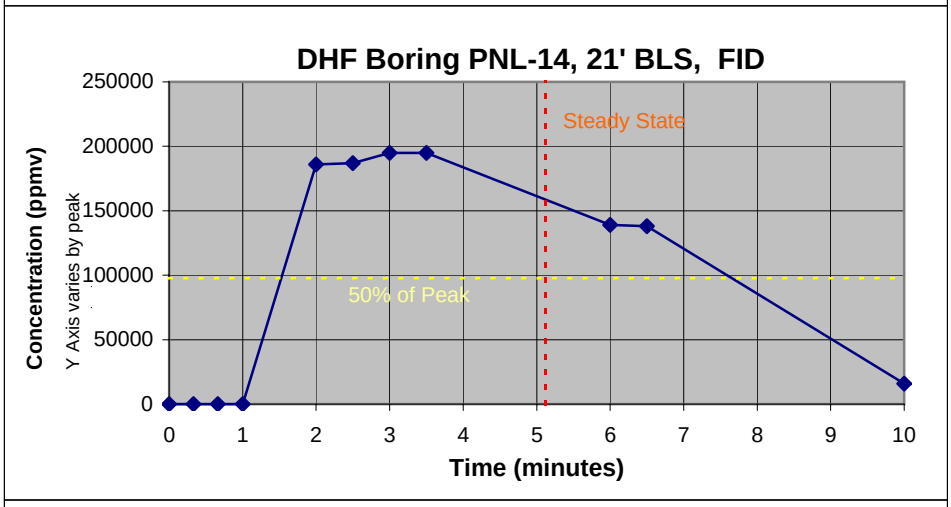


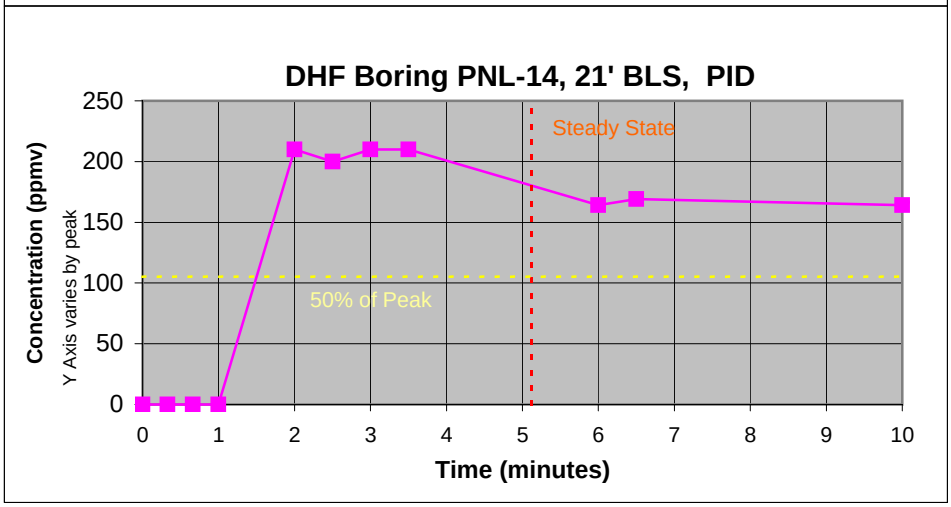


PNL-14-21'

TIME	FID	PID
0.00	0	0
0.33	0	0
0.66	0	0
1	0	0
2	186000	210
2.5	187000	200
3	195000	210
3.5	195000	210
6	139000	164
6.5	138000	169
10	16000	164
10.5	15000	177
11.5	13300	3.2
12.5	13800	2.8
13	14000	2.7
13.5	14000	2.6
14.5	14000	198
15	15000	200
15.5	15000	200
16	14000	200
Peak	195000	210
SS Value	160000	180
SS % Pk	82%	86%

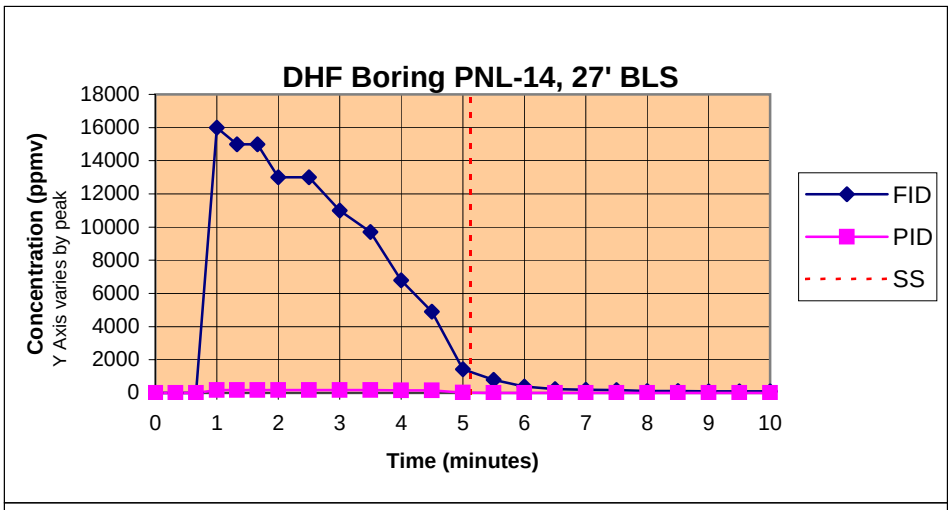


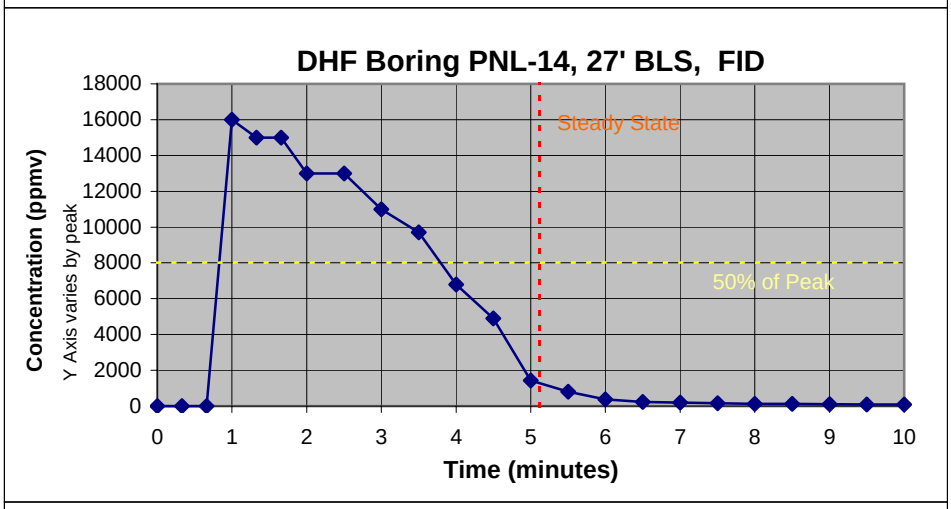


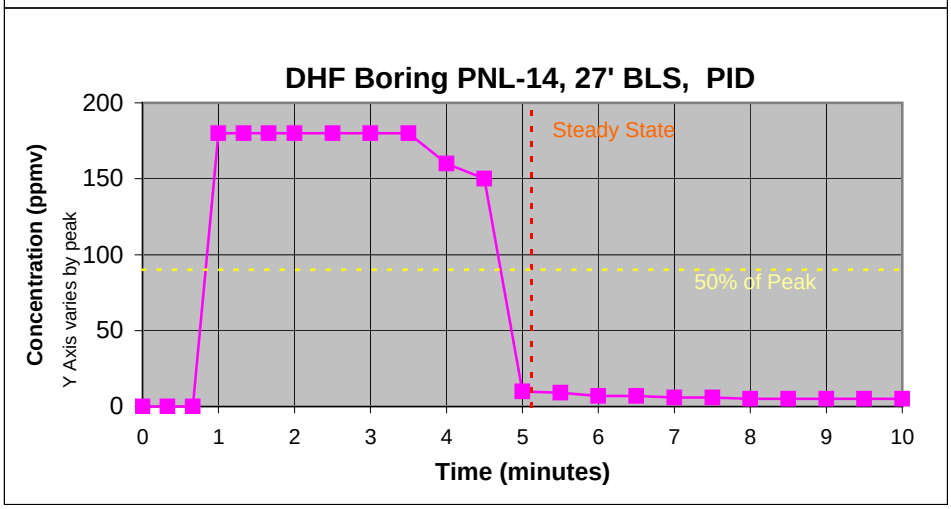


PNL-14-27'

TIME	FID	PID
0.00	0	0
0.33	0	0
0.66	0	0
1	16000	180
1.33	15000	180
1.66	15000	180
2	13000	180
2.5	13000	180
3	11000	180
3.5	9700	180
4	6800	160
4.5	4900	150
5	1430	10
5.5	800	9
6	378	7
6.5	230	7
7	200	6
7.5	165	6
8	125	5
8.5	117	5
9	103	5
9.5	95	5
10	89	5
Peak	16000	180
SS Value	1430	10
SS % Pk	9%	6%

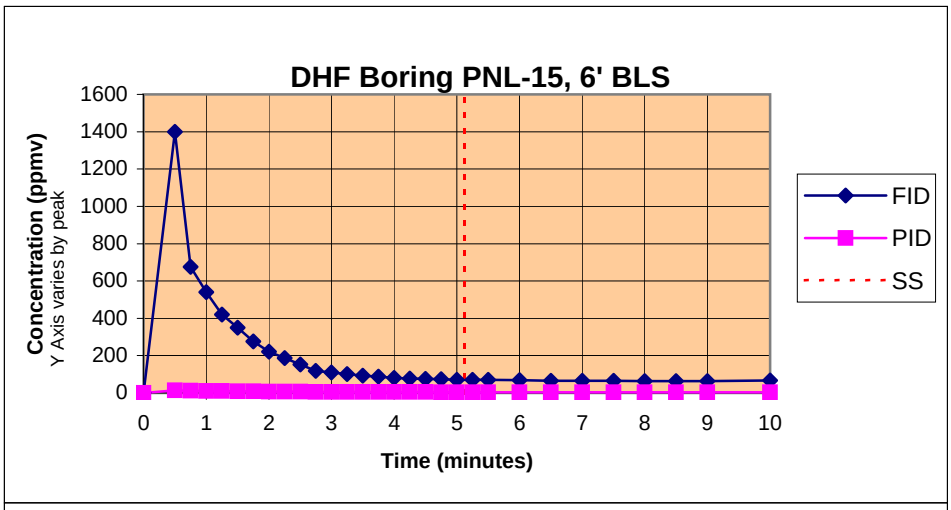


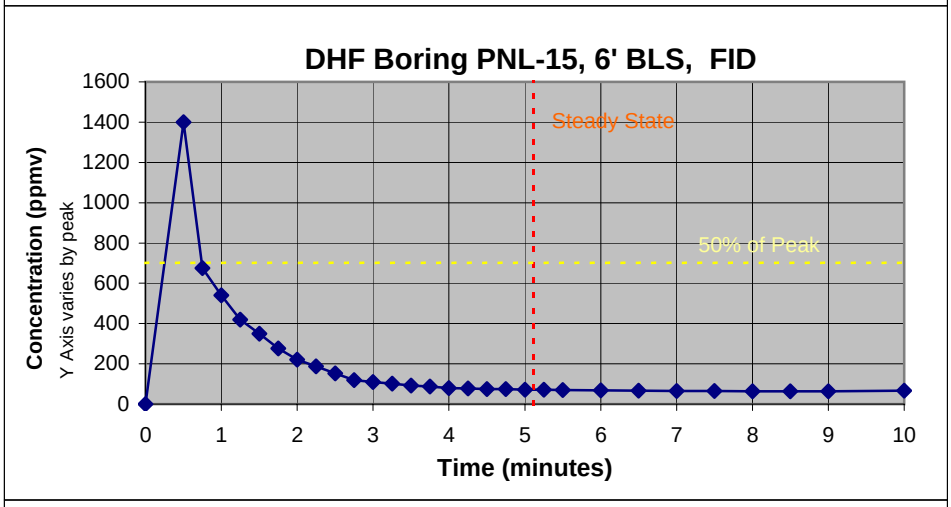


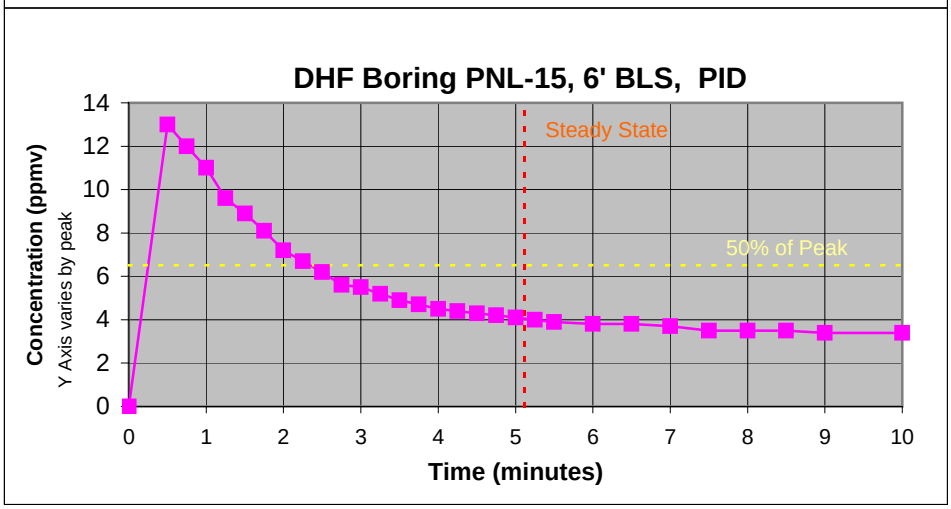


PNL-15-6'

TIME	FID	PID
0.00	0	0
0.5	1400.0	13
0.75	675.0	12
1	540.0	11
1.25	420	9.6
1.5	350	8.9
1.75	276	8.1
2	221	7.2
2.25	187	6.7
2.5	153	6.2
2.75	119	5.6
3	109	5.5
3.25	101	5.2
3.5	92	4.9
3.75	88	4.7
4	80	4.5
4.25	78	4.4
4.5	75	4.3
4.75	74	4.2
5	71	4.1
5.25	71	4
5.5	70	3.9
6	69	3.8
6.5	66	3.8
7	65	3.7
7.5	65	3.5
8	64	3.5
8.5	63	3.5
9	63	3.4
10	67	3.4
Peak	1400	13
SS Value	71	4.1
SS % Pk	5%	32%

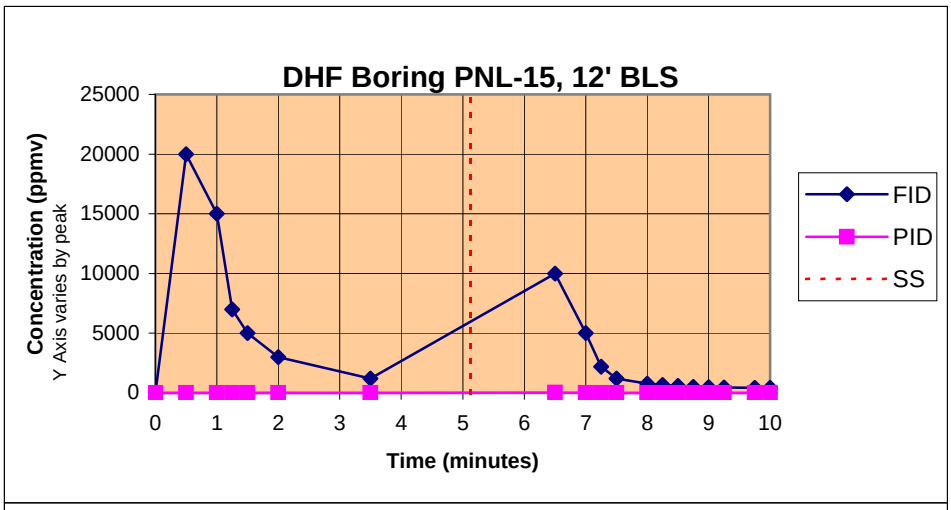


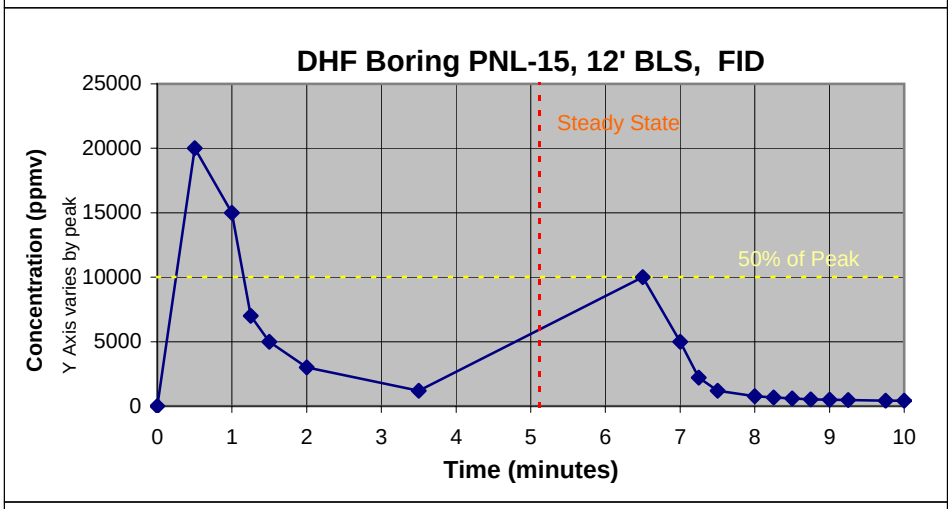


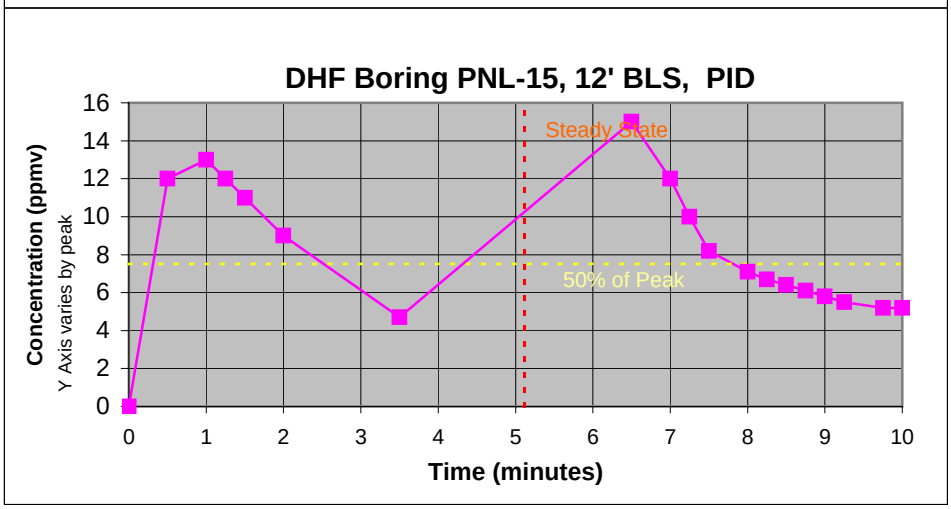


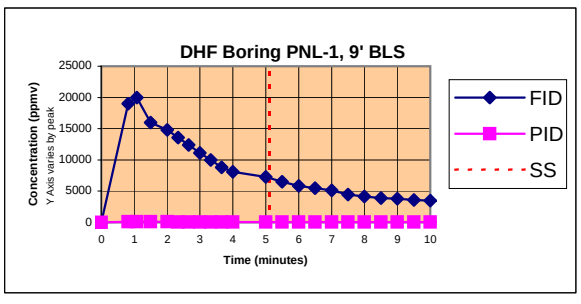
PNL-15-12'

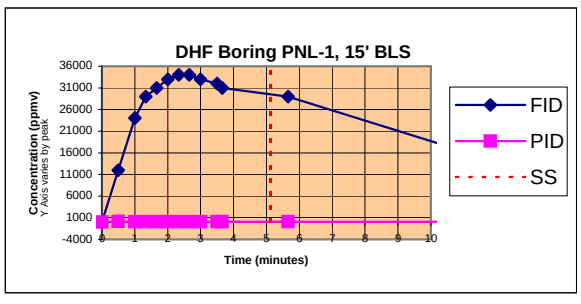
TIME	FID	PID
0.00	0	0
0.5	20000.0	12
1	15000.0	13
1.25	7000	12
1.5	5000	11
2	3000	9
3.5	1200	4.7
6.5	10000	15
7	5000	12
7.25	2200	10
7.5	1200	8.2
8	780	7.1
8.25	660	6.7
8.5	590	6.4
8.75	520	6.1
9	490	5.8
9.25	460	5.5
9.75	430	5.2
10	420	5.2
10.25	407	5.2
10.5	400	5
10.75	390	5
11	380	4.9
Peak	20000	15
SS Value	6000	10
SS % Pk	30%	67%

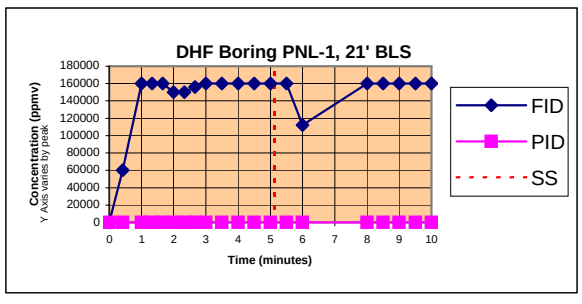


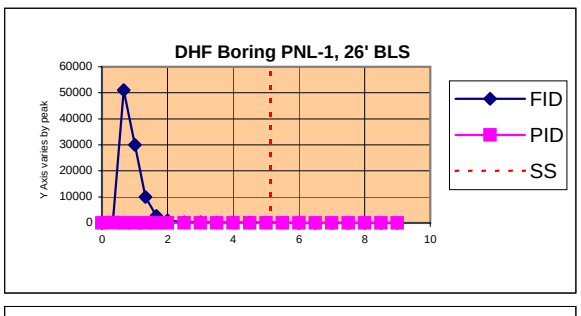


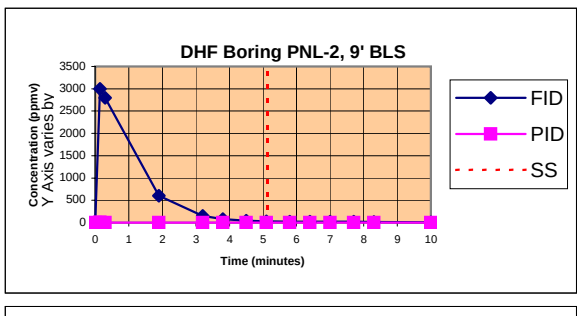


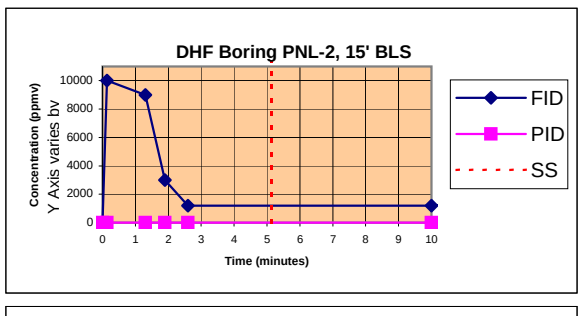

DHF Boring PNL-1, 9' BLS
Concentration (ppmv)
Y Axis varies by peak
Time (minutes)
FID
PID
SS

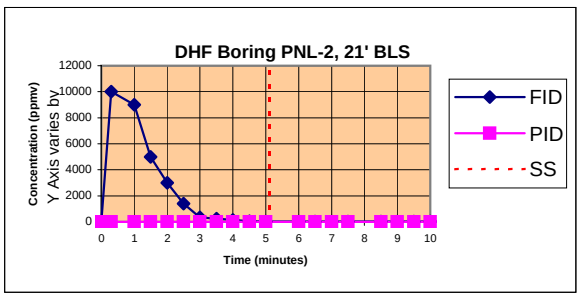

DHF Boring PNL-1, 15' BLS
Concentration (ppmv)
Y Axis varies by peak
Time (minutes)
FID
PID
SS

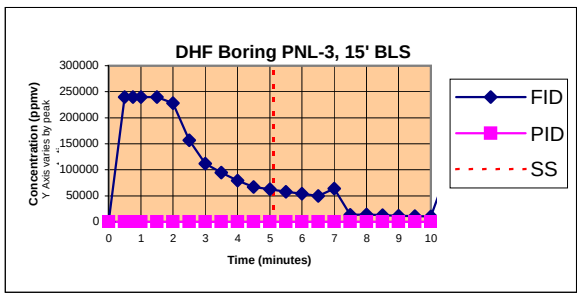

DHF Boring PNL-1, 21' BLS
Concentration (ppmv)
Y Axis varies by peak
Time (minutes)
FID
PID
SS

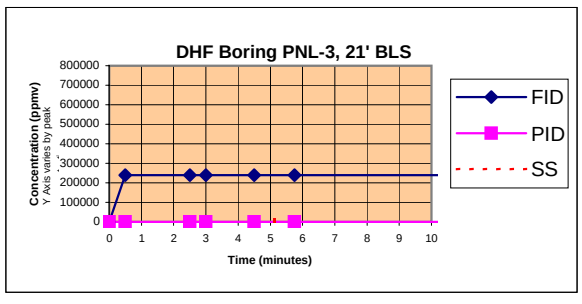

DHF Boring PNL-1, 26' BLS
Y Axis varies by peak
FID
PID
SS

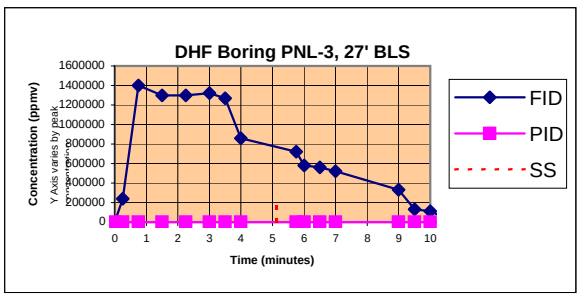

DHF Boring PNL-2, 9' BLS
Concentration (ppmv)
Y Axis varies by
Time (minutes)
FID
PID
SS

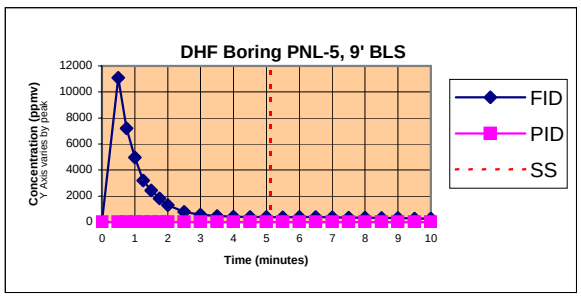

DHF Boring PNL-2, 15' BLS
Concentration (ppmv)
Y Axis varies by
Time (minutes)
FID
PID
SS

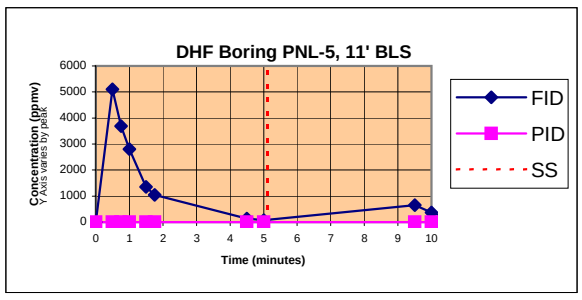

DHF Boring PNL-2, 21' BLS
Concentration (ppmv)
Y Axis varies by
Time (minutes)
FID
PID
SS

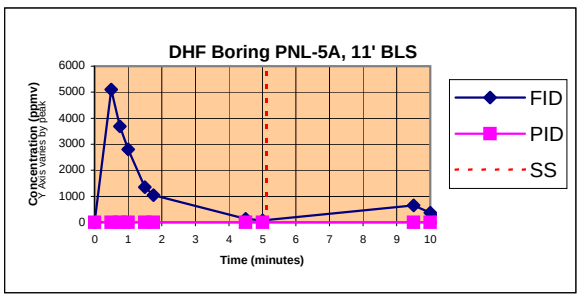

DHF Boring PNL-3, 15' BLS
Concentration (ppmv)
Y Axis varies by peak
Time (minutes)
FID
PID
SS

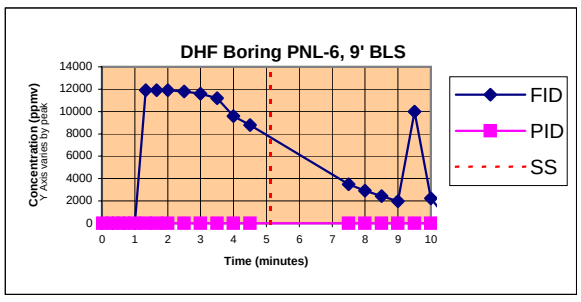

DHF Boring PNL-3, 21' BLS
Concentration (ppmv)
Y Axis varies by peak
Time (minutes)
FID
PID
SS

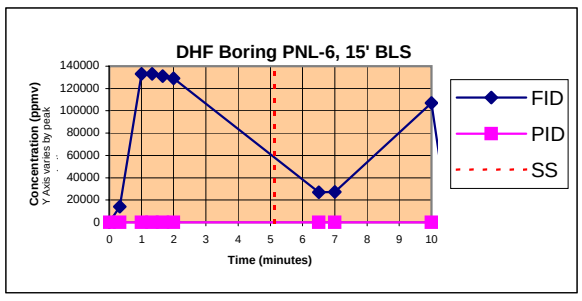

DHF Boring PNL-3, 27' BLS
Concentration (ppmv)
Y Axis varies by peak
Time (minutes)
FID
PID
SS

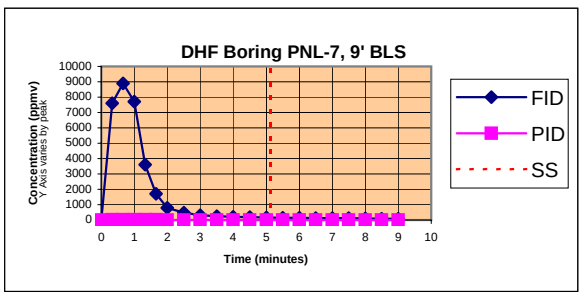

DHF Boring PNL-5, 9' BLS
Concentration (ppmv)
Y Axis varies by peak
Time (minutes)
FID
PID
SS

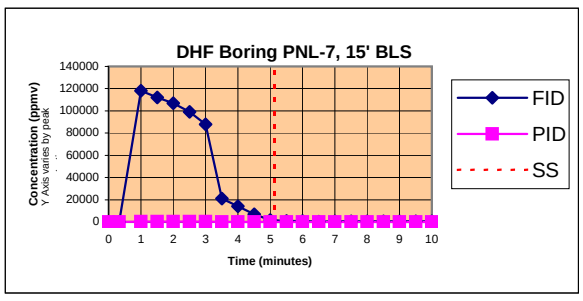

DHF Boring PNL-5, 11' BLS
Concentration (ppmv)
Y Axis varies by peak
Time (minutes)
FID
PID
SS

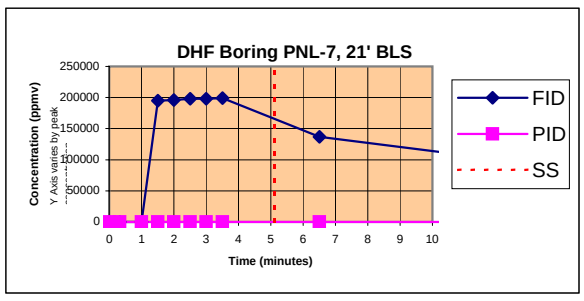

DHF Boring PNL-5A, 11' BLS
Concentration (ppmv)
Y Axis varies by peak
Time (minutes)
FID
PID
SS

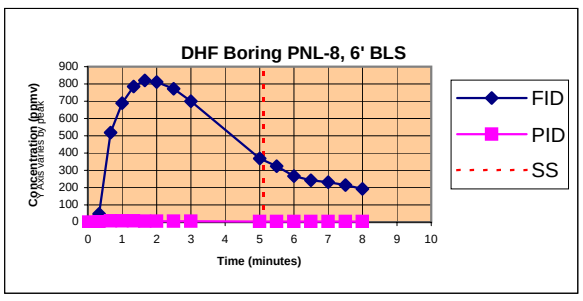

DHF Boring PNL-6, 9' BLS
Concentration (ppmv)
Y Axis varies by peak
Time (minutes)
FID
PID
SS

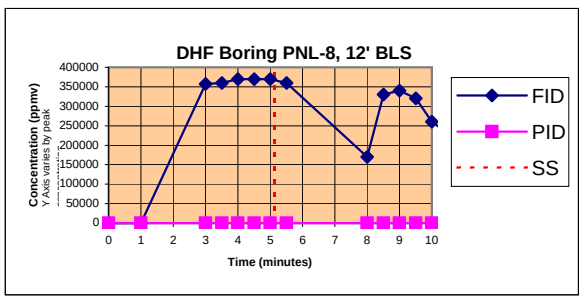

DHF Boring PNL-6, 15' BLS
Concentration (ppmv)
Y Axis varies by peak
Time (minutes)
FID
PID
SS

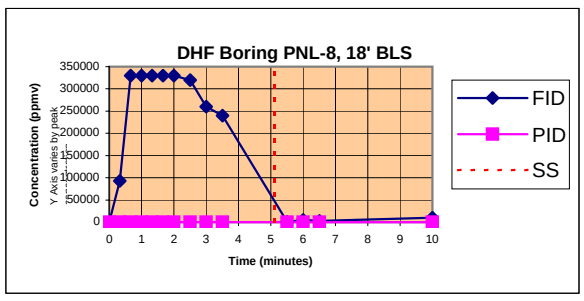

DHF Boring PNL-7, 9' BLS
Concentration (ppmv)
Y Axis varies by peak
Time (minutes)
FID
PID
SS

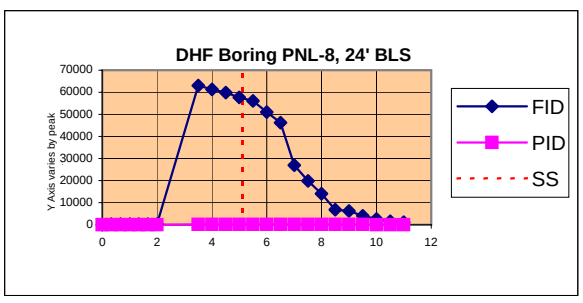

DHF Boring PNL-7, 15' BLS
Concentration (ppmv)
Y Axis varies by peak
Time (minutes)
FID
PID
SS

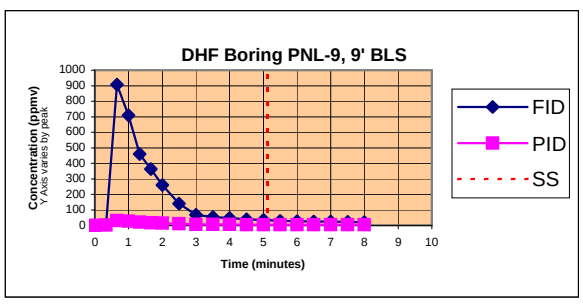

DHF Boring PNL-7, 21' BLS
Concentration (ppmv)
Y Axis varies by peak
Time (minutes)
FID
PID
SS

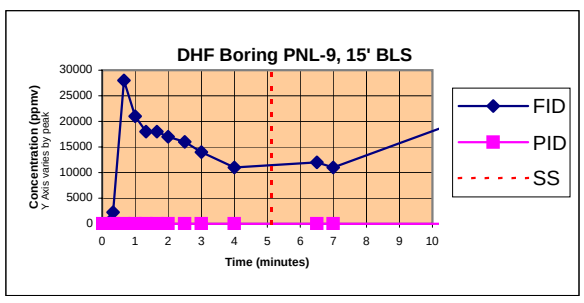

DHF Boring PNL-8, 6' BLS
Concentration (ppmv)
Y Axis varies by peak
Time (minutes)
FID
PID
SS

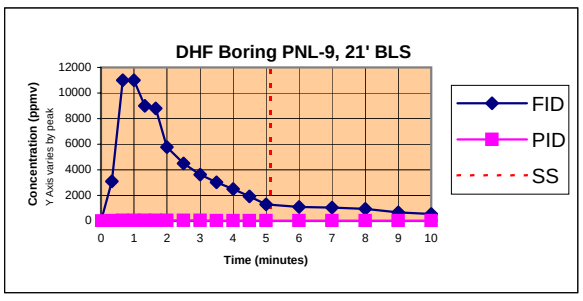

DHF Boring PNL-8, 12' BLS
Concentration (ppmv)
Y Axis varies by peak
Time (minutes)
FID
PID
SS

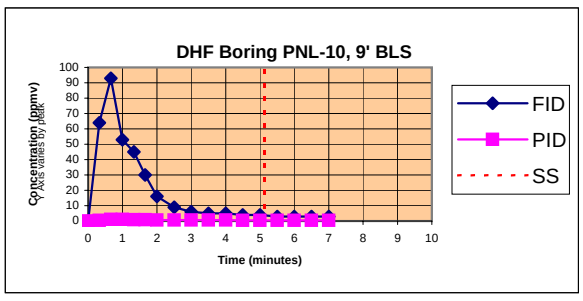

DHF Boring PNL-8, 18' BLS
Concentration (ppmv)
Y Axis varies by peak
Time (minutes)
FID
PID
SS

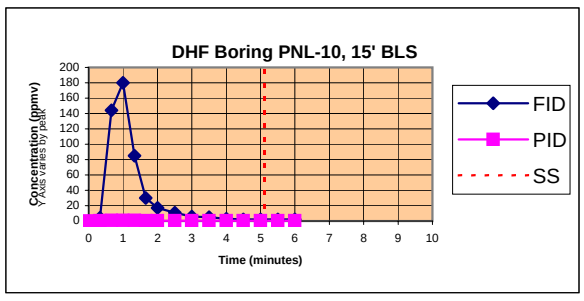

DHF Boring PNL-8, 24' BLS
Y Axis varies by peak
FID
PID
SS

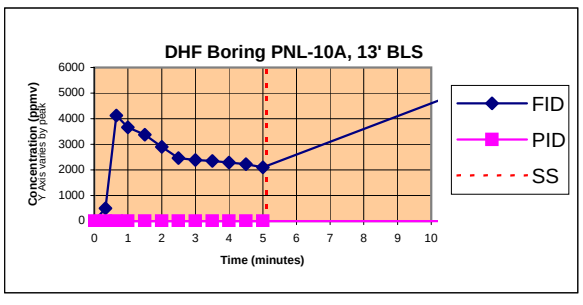

DHF Boring PNL-9, 9' BLS
Concentration (ppmv)
Y Axis varies by peak
Time (minutes)
FID
PID
SS

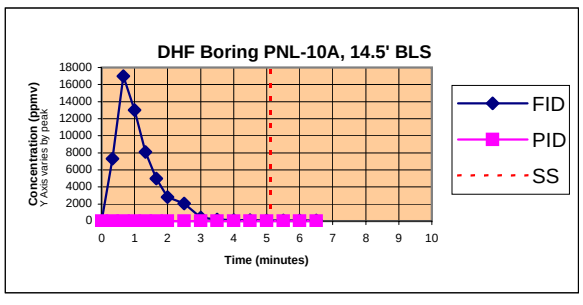

DHF Boring PNL-9, 15' BLS
Concentration (ppmv)
Y Axis varies by peak
Time (minutes)
FID
PID
SS

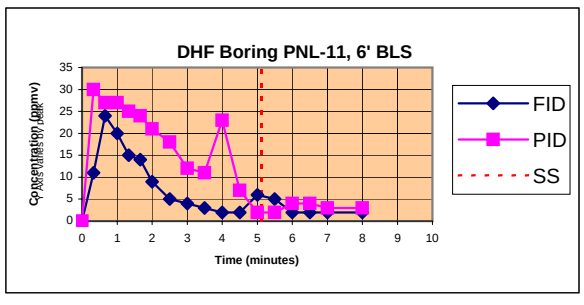

DHF Boring PNL-9, 21' BLS
Concentration (ppmv)
Y Axis varies by peak
Time (minutes)
FID
PID
SS

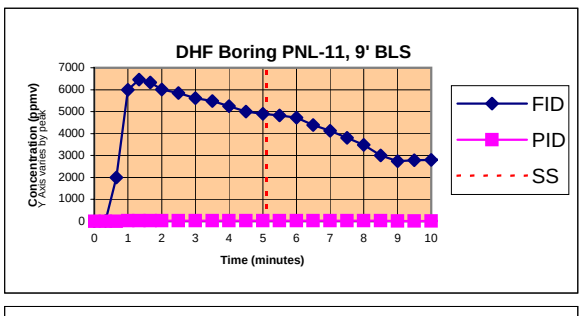

DHF Boring PNL-10, 9' BLS
Concentration (ppmv)
Y Axis varies by peak
Time (minutes)
FID
PID
SS

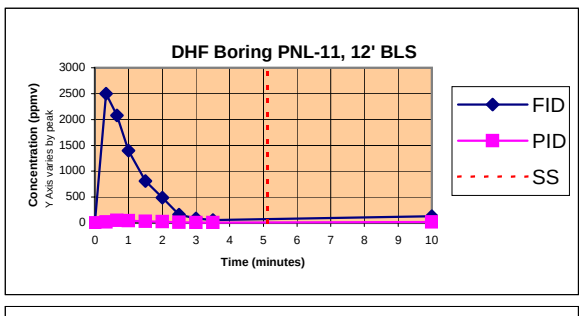

DHF Boring PNL-10, 15' BLS
Concentration (ppmv)
Y Axis varies by peak
Time (minutes)
FID
PID
SS

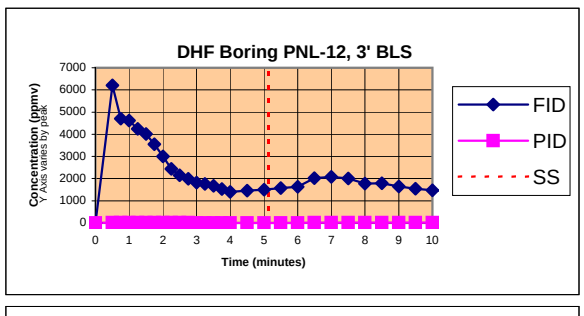

DHF Boring PNL-10A, 13' BLS
Concentration (ppmv)
Y Axis varies by peak
Time (minutes)
FID
PID
SS

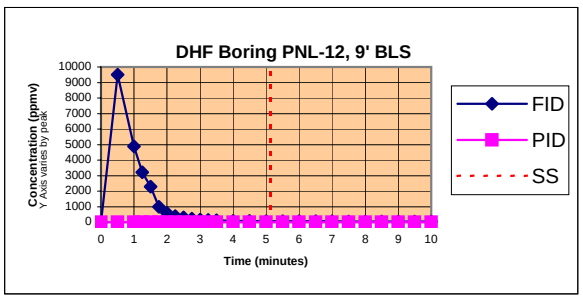

DHF Boring PNL-10A, 14.5' BLS
Concentration (ppmv)
Y Axis varies by peak
Time (minutes)
FID
PID
SS

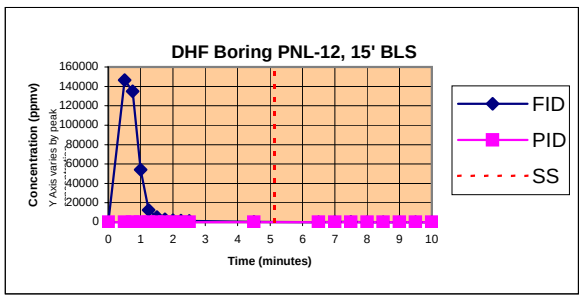

DHF Boring PNL-11, 6' BLS
Concentration (ppmv)
Y Axis varies by peak
Time (minutes)
FID
PID
SS

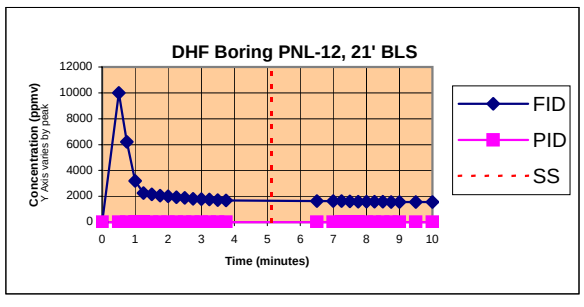

DHF Boring PNL-11, 9' BLS
Concentration (ppmv)
Y Axis varies by peak
Time (minutes)
FID
PID
SS

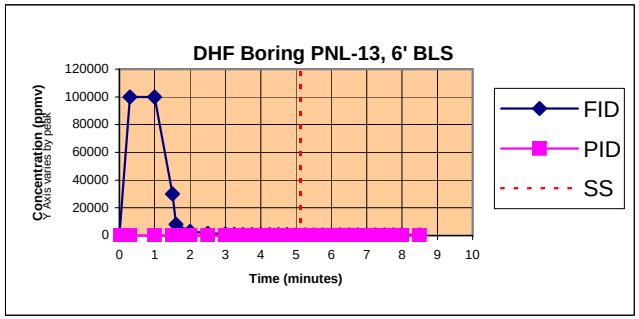

DHF Boring PNL-11, 12' BLS
Concentration (ppmv)
Y Axis varies by peak
Time (minutes)
FID
PID
SS

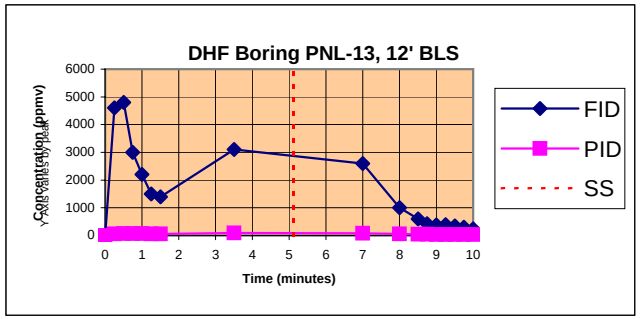

DHF Boring PNL-12, 3' BLS
Concentration (ppmv)
Y Axis varies by peak
Time (minutes)
FID
PID
SS

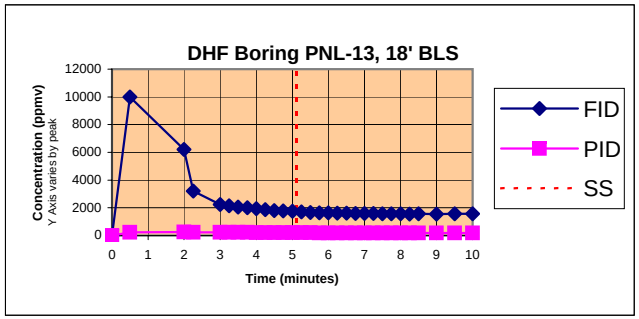

DHF Boring PNL-12, 9' BLS
Concentration (ppmv)
Y Axis varies by peak
Time (minutes)
FID
PID
SS

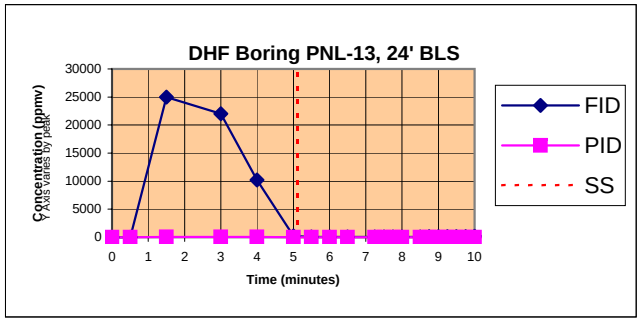

DHF Boring PNL-12, 15' BLS
Concentration (ppmv)
Y Axis varies by peak
Time (minutes)
FID
PID
SS

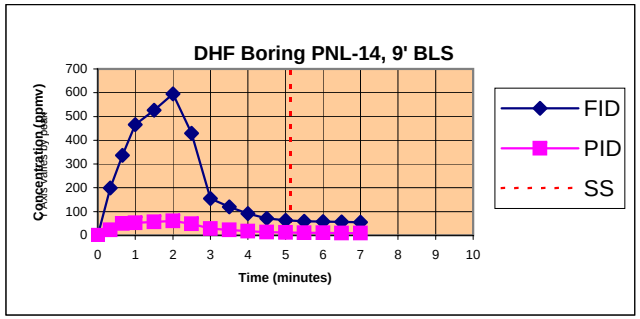

DHF Boring PNL-12, 21' BLS
Concentration (ppmv)
Y Axis varies by peak
Time (minutes)
FID
PID
SS

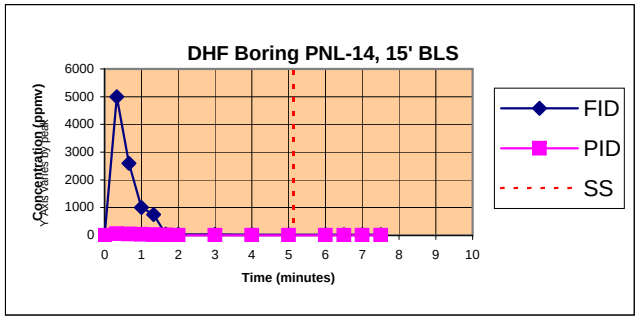

DHF Boring PNL-13, 6' BLS
Concentration (ppmv)
Y Axis varies by peak
Time (minutes)
FID
PID
SS

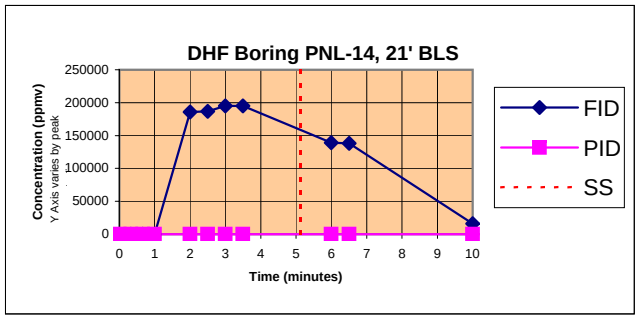

DHF Boring PNL-13, 12' BLS
Concentration (ppmv)
Y Axis varies by peak
Time (minutes)
FID
PID
SS

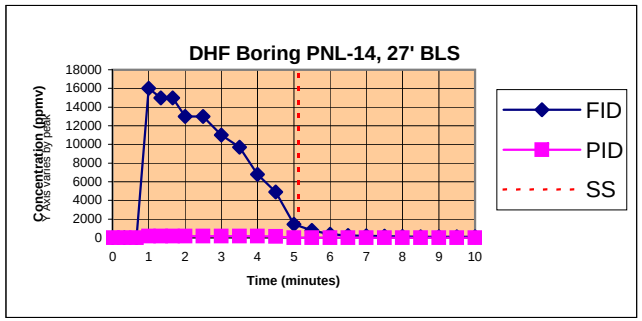

DHF Boring PNL-13, 18' BLS
Concentration (ppmv)
Y Axis varies by peak
Time (minutes)
FID
PID
SS

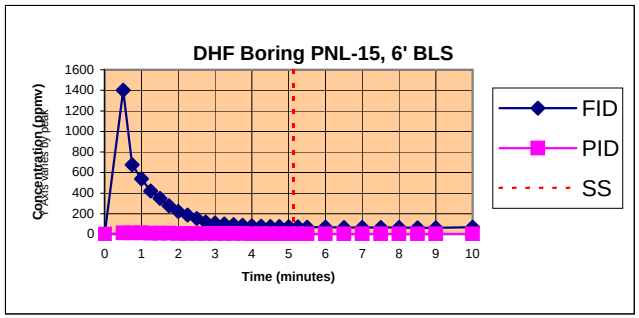

DHF Boring PNL-13, 24' BLS
Concentration (ppmv)
Y Axis varies by peak
Time (minutes)
FID
PID
SS

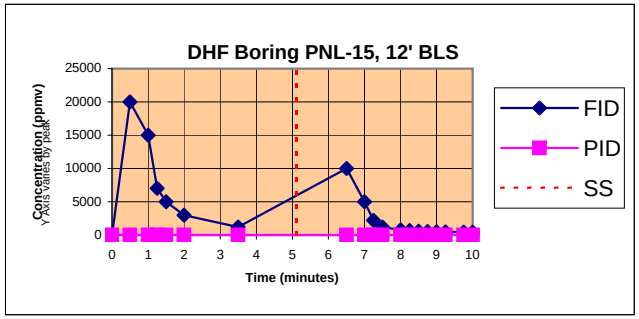

DHF Boring PNL-14, 9' BLS
Concentration (ppmv)
Y Axis varies by peak
Time (minutes)
FID
PID
SS


DHF Boring PNL-14, 15' BLS
Concentration (ppmv)
Y Axis varies by peak
Time (minutes)
FID
PID
SS


DHF Boring PNL-14, 21' BLS
Concentration (ppmv)
Y Axis varies by peak
Time (minutes)
FID
PID
SS

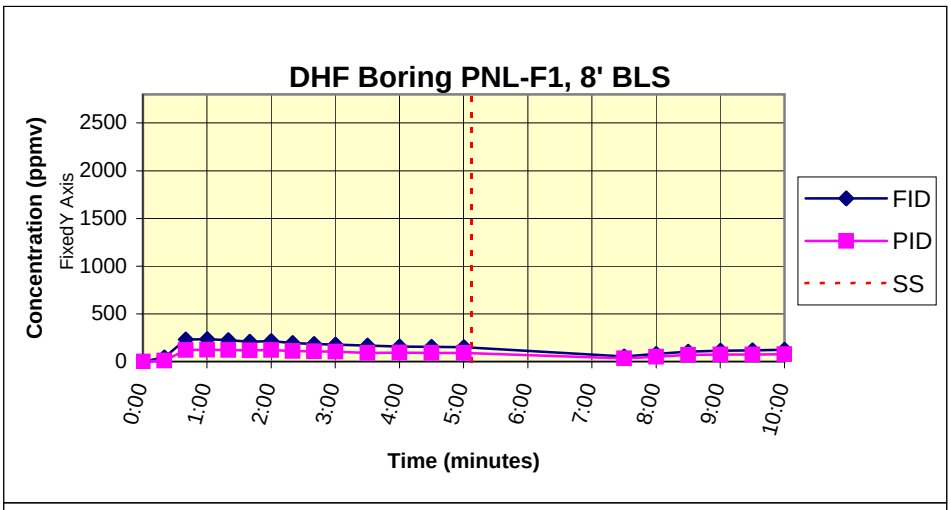

DHF Boring PNL-14, 27' BLS
Concentration (ppmv)
Y Axis varies by peak
Time (minutes)
FID
PID
SS

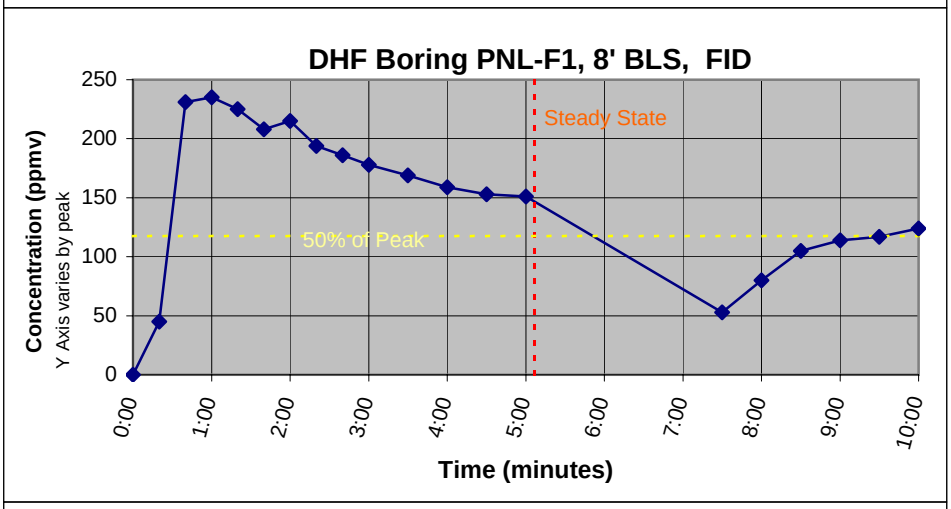

DHF Boring PNL-15, 6' BLS
Concentration (ppmv)
Y Axis varies by peak
Time (minutes)
FID
PID
SS

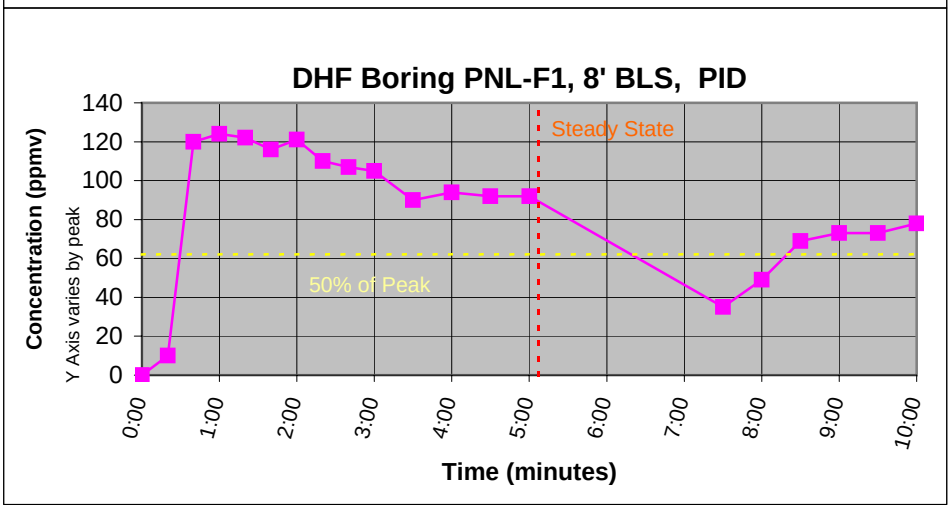

DHF Boring PNL-15, 12' BLS
Concentration (ppmv)
Y Axis varies by peak
Time (minutes)
FID
PID
SS

PNL-F1-8'

TIME	FID	PID
0:00	0	0
0:20	45	10
0:40	231	120
1:00	235	124
1:20	225	122
1:40	208	116
2:00	215	121
2:20	194	110
2:40	186	107
3:00	178	105
3:30	169	90
4:00	159	94
4:30	153	92
5:00	151	92
7:30	53	35
8:00	80	49
8:30	105	69
9:00	114	73
9:30	117	73
10:00	124	78
Peak	235	124
SS Value	151	92
SS % Pk	64%	74%



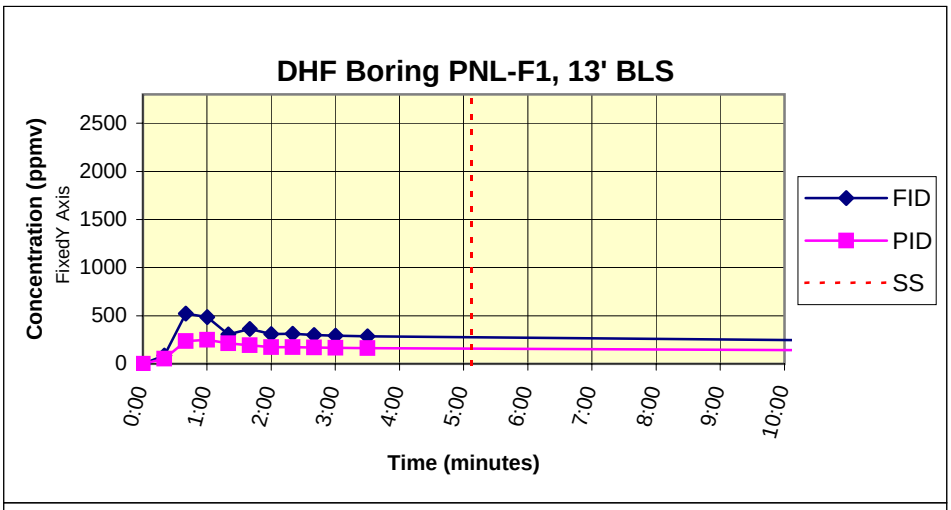


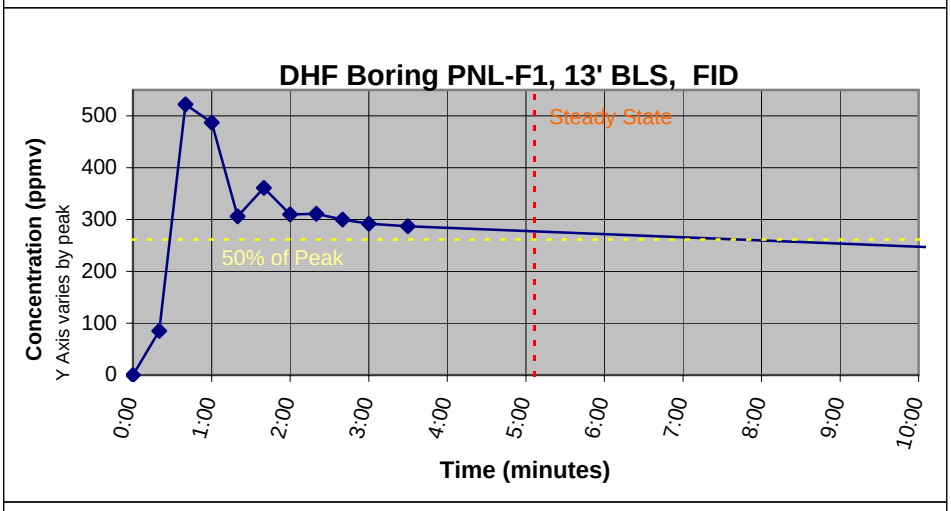


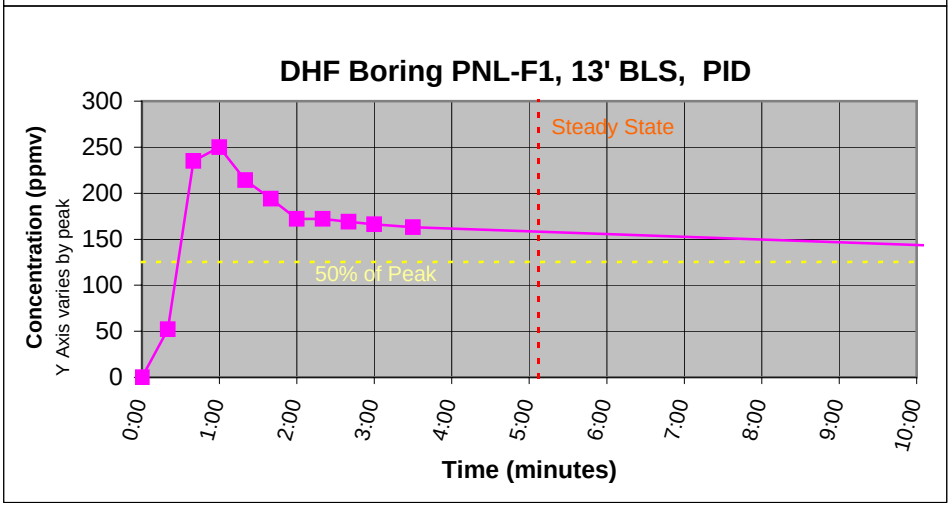
PNL-F1-13'

TIME	FID	PID
0:00	0	0
0:20	85	52
0:40	522	235
1:00	487	250
1:20	306	214
1:40	361	194
2:00	310	172
2:20	311	172
2:40	300	169
3:00	292	166
3:30	287	163
22:00	175	108
22:30	132	85
23:00	139	89
24:00	178	112

Peak	522	250
SS Value	280	155
SS % Pk	54%	62%



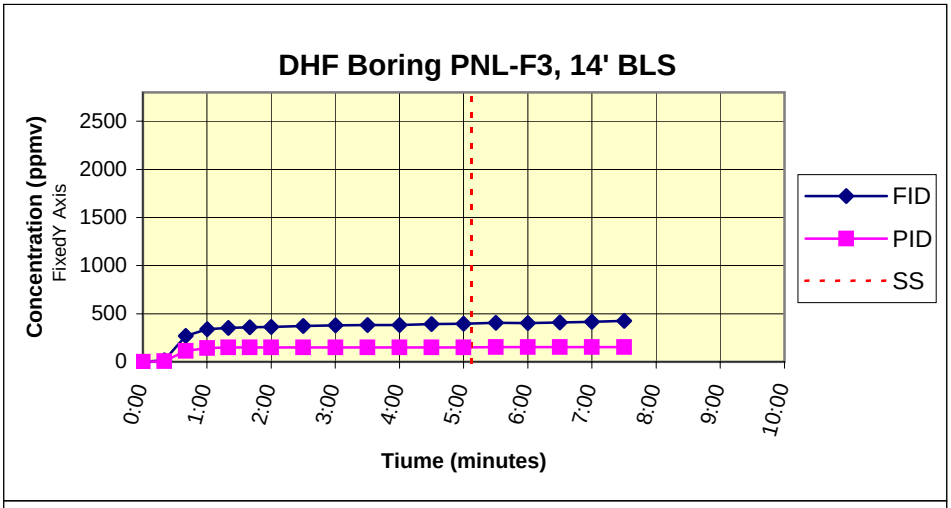


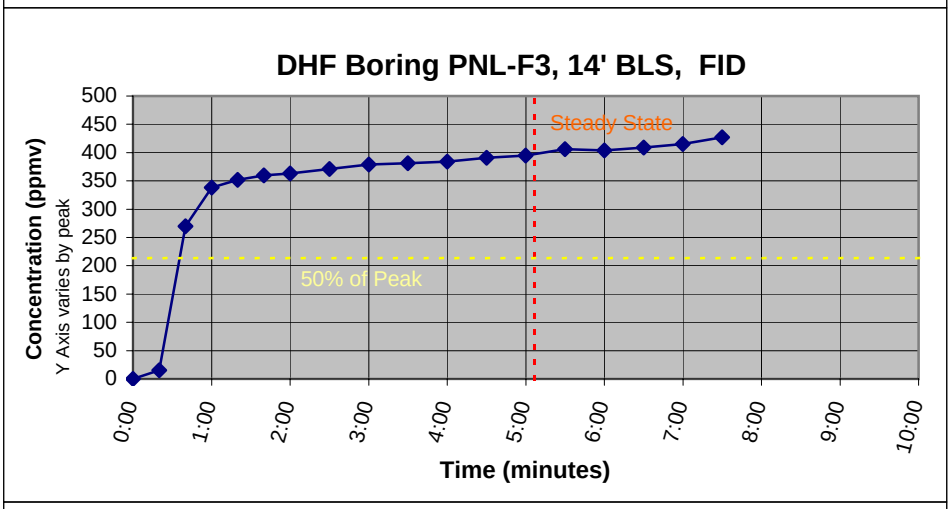


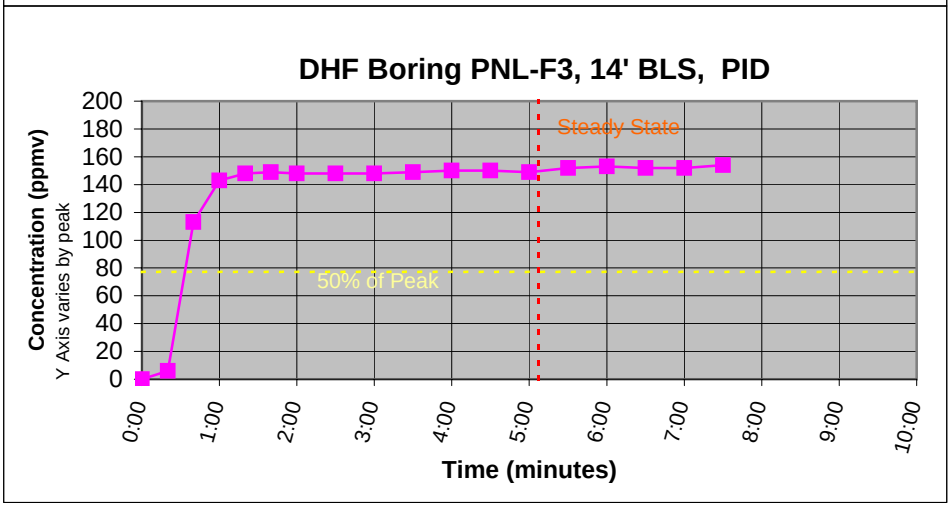
PNL-F3-14'

TIME	FID	PID
0:00	0	0
0:20	15.3	6
0:40	270	113
1:00	338	143
1:20	352	148
1:40	360	149
2:00	363	148
2:30	371	148
3:00	379	148
3:30	381	149
4:00	384	150
4:30	391	150
5:00	395	149
5:30	406	152
6:00	404	153
6:30	409	152
7:00	415	152
7:30	427	154

Peak	427	154
SS Value	395	149
SS % Pk	93%	97%

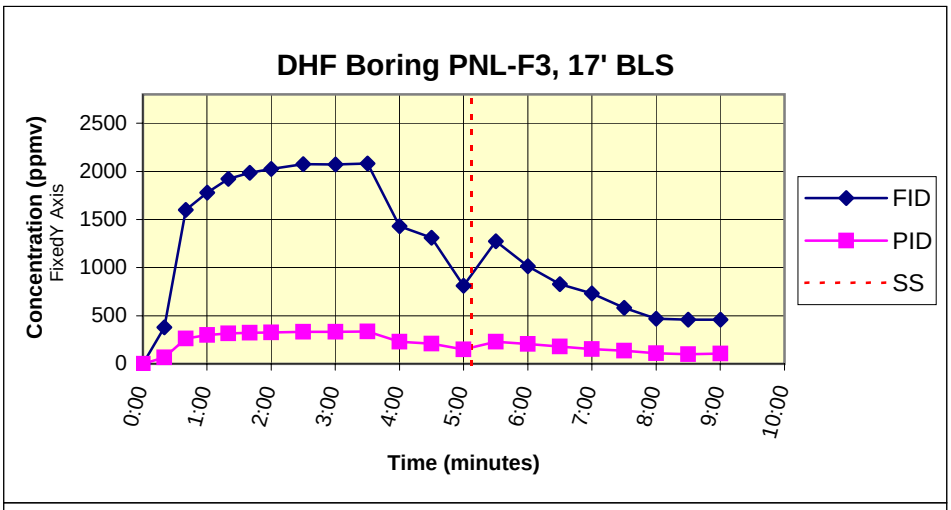


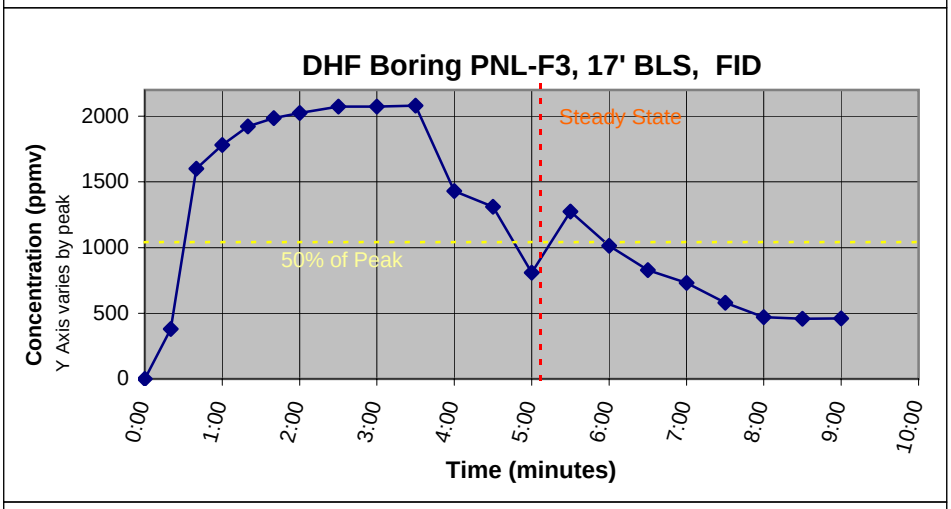


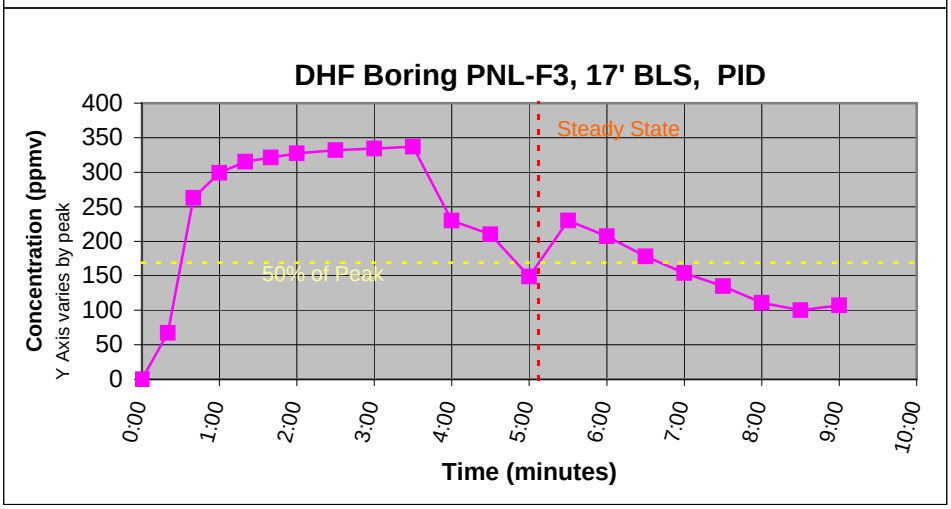


PNL-F3-17'

TIME	FID	PID
0:00	0	0
0:20	380	67
0:40	1601	263
1:00	1780	299
1:20	1923	315
1:40	1986	321
2:00	2024	327
2:30	2074	332
3:00	2073	334
3:30	2081	337
4:00	1430	230
4:30	1310	210
5:00	810	149
5:30	1274	230
6:00	1014	207
6:30	828	178
7:00	730	154
7:30	581	135
8:00	470	111
8:30	459	100
9:00	460	107
Peak	2081	337
SS Value	810	149
SS % Pk	39%	44%

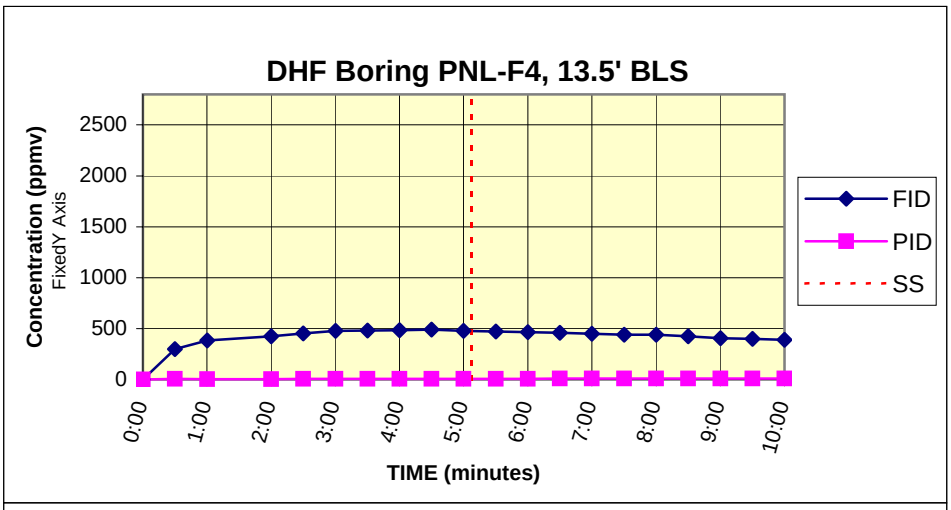


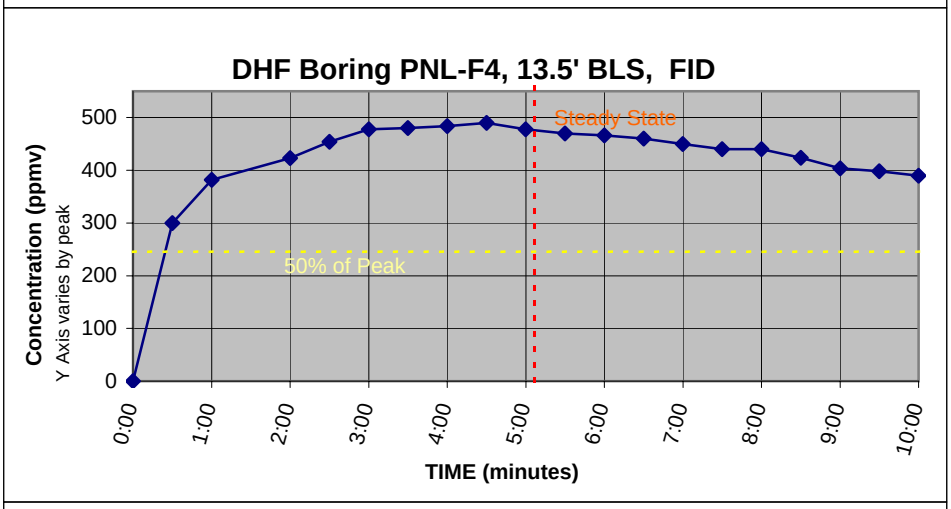


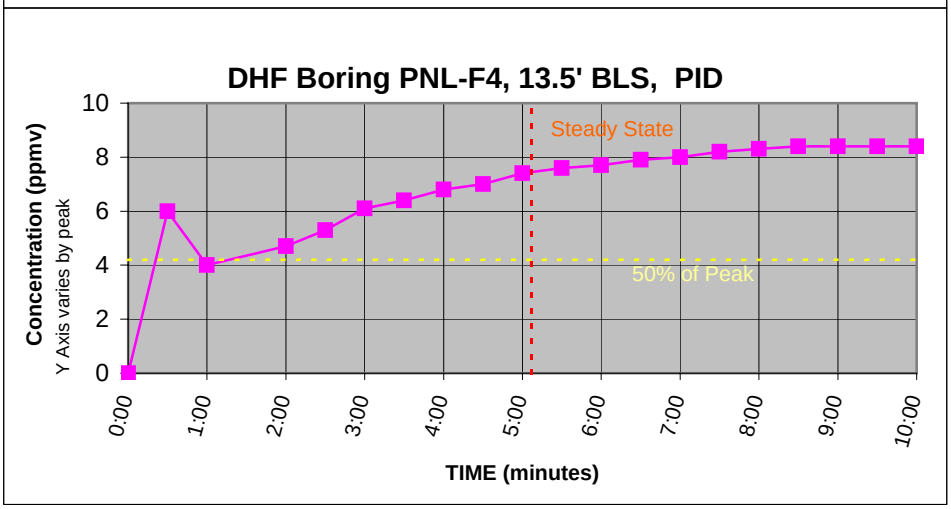


PNL-F4-13.5'

TIME	FID	PID
0:00	0	0
0:30	300	6
1:00	382	4
2:00	423	4.7
2:30	454	5.3
3:00	478	6.1
3:30	480	6.4
4:00	484	6.8
4:30	490	7
5:00	478	7.4
5:30	470	7.6
6:00	466	7.7
6:30	460	7.9
7:00	450	8
7:30	440	8.2
8:00	440	8.3
8:30	424	8.4
9:00	404	8.4
9:30	398	8.4
10:00	390	8.4
Peak	490	8.4
SS Value	478	7.4
SS % Pk	98%	88%

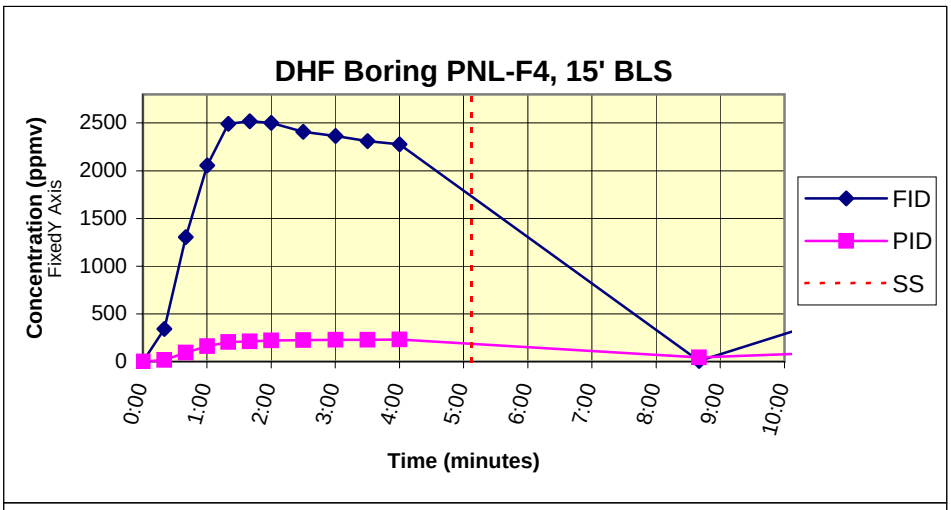


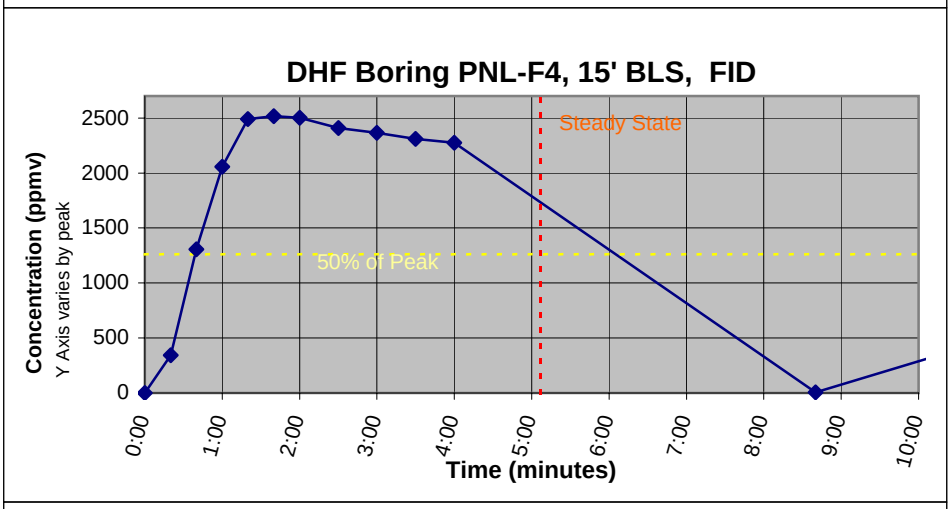


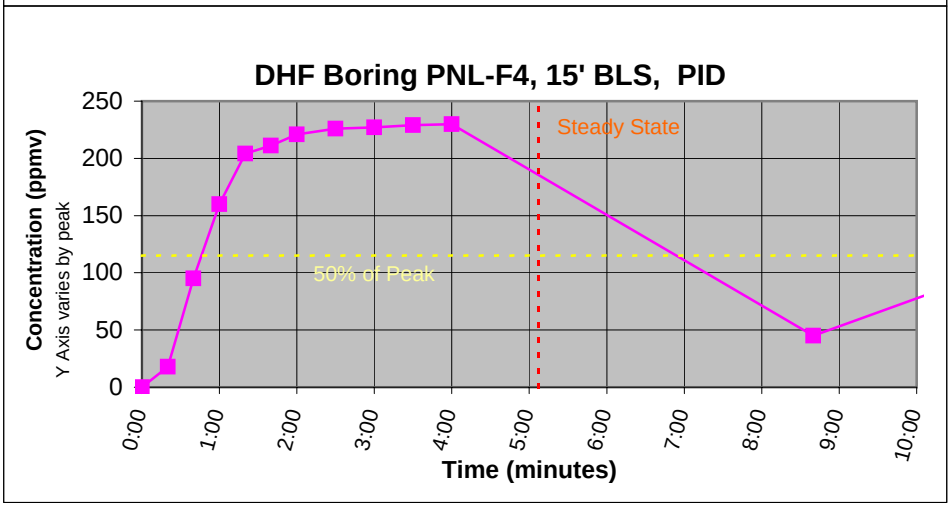


PNL-F4-15'

TIME	FID	PID
0:00	0	0
0:20	343	18
0:40	1305	95
1:00	2056	160
1:20	2490	204
1:40	2518	211
2:00	2501	221
2:30	2408	226
3:00	2365	227
3:30	2311	229
4:00	2276	230
8:40	5.7	45
15:00	1350	200
15:30	1330	210
17:00	1106	180
17:30	1150	208
18:00	1201	216
18:30	1220	220
Peak	2518	230
SS Value	1700	180
SS % Pk	68%	78%

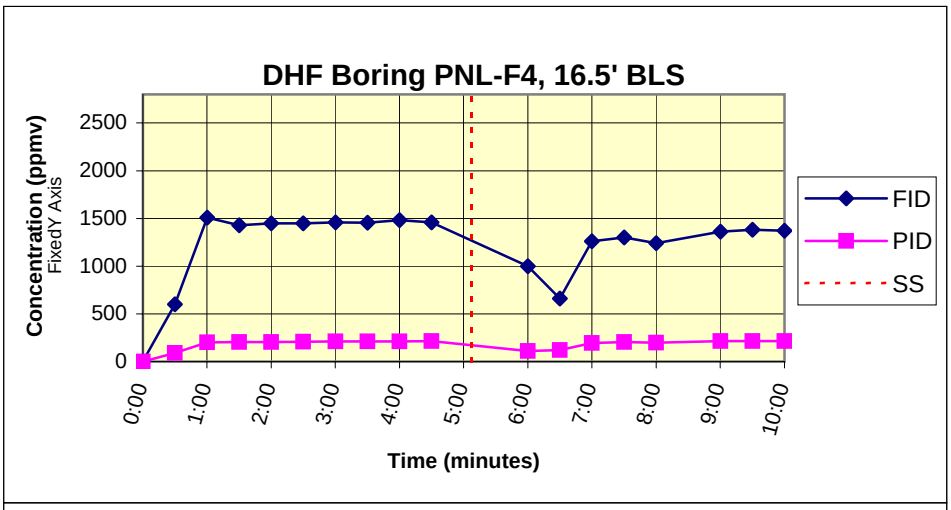


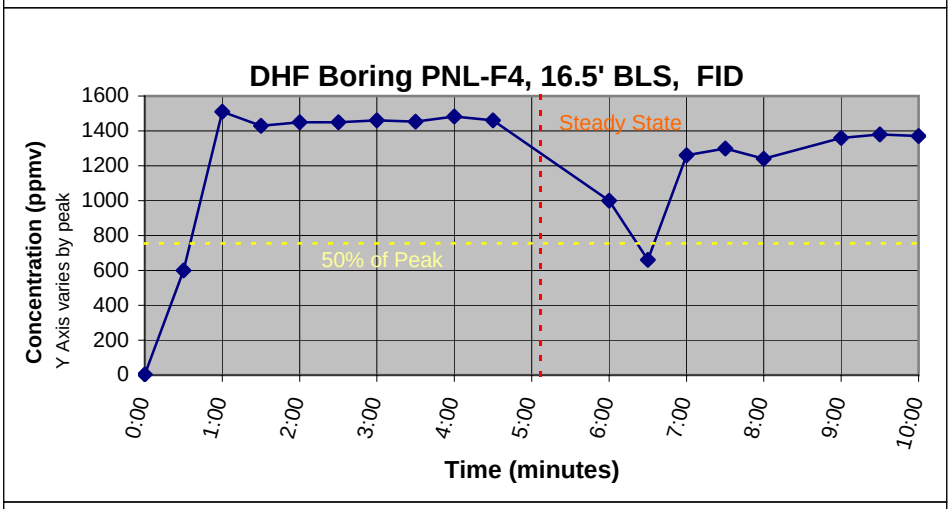


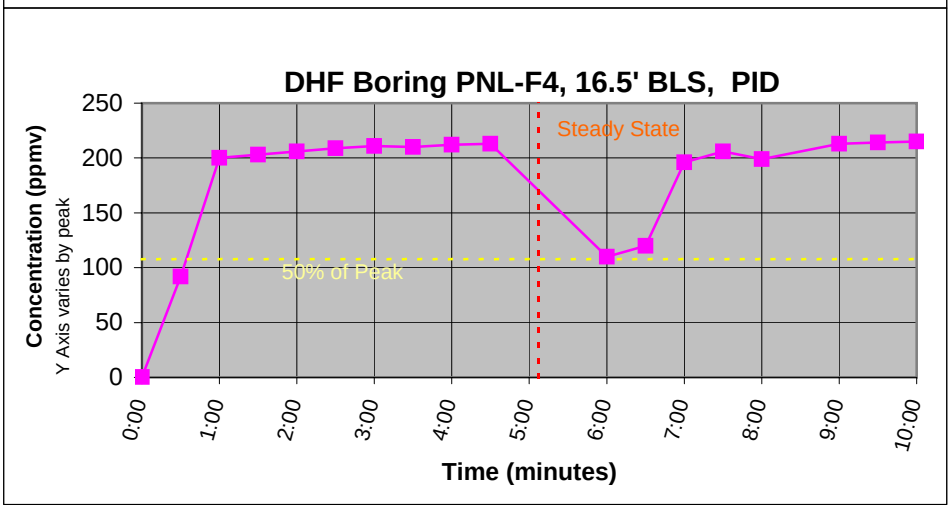


PNL-F4-16.5'

TIME	FID	PID
0:00	3	0.3
0:30	600	92
1:00	1510	200
1:30	1430	203
2:00	1450	206
2:30	1450	209
3:00	1460	211
3:30	1454	210
4:00	1482	212
4:30	1460	213
6:00	1000	110
6:30	660	120
7:00	1260	196
7:30	1300	206
8:00	1240	199
9:00	1360	213
9:30	1380	214
10:00	1370	215
Peak	1510	215
SS Value	1300	175
SS % Pk	86%	81%

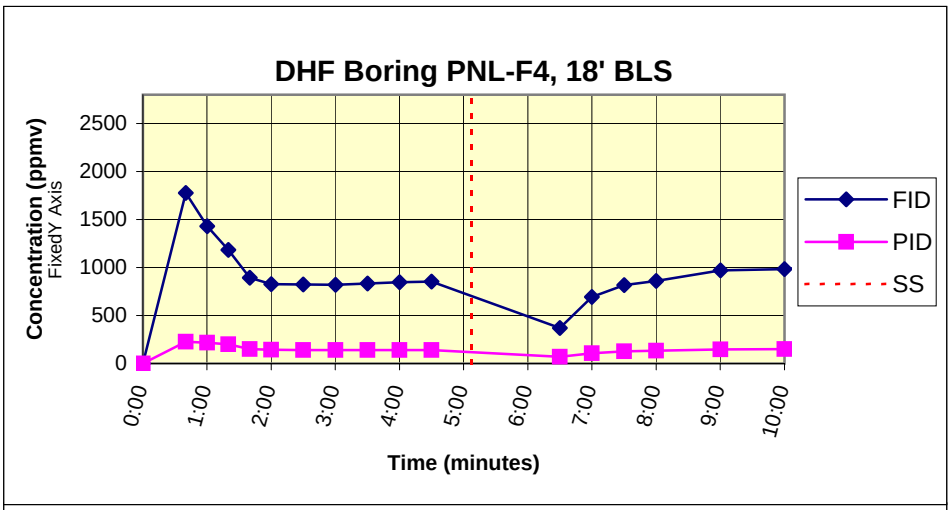


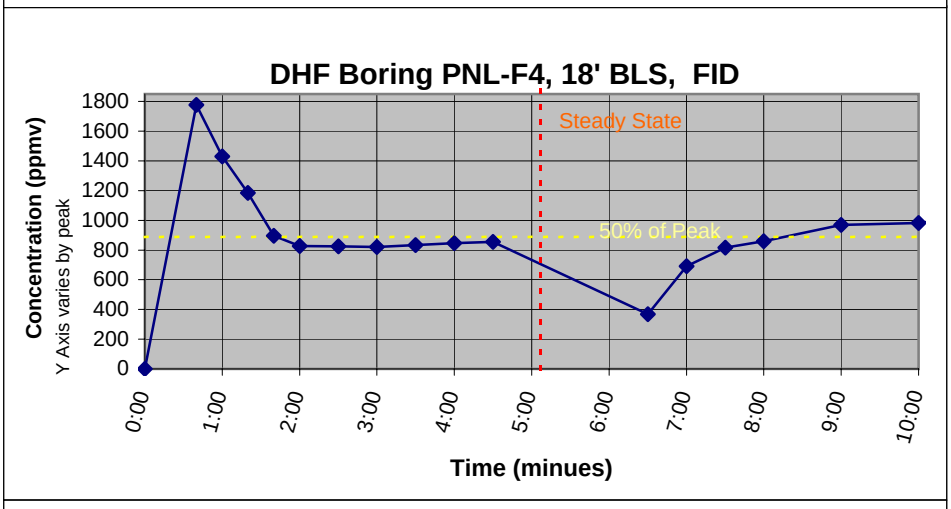


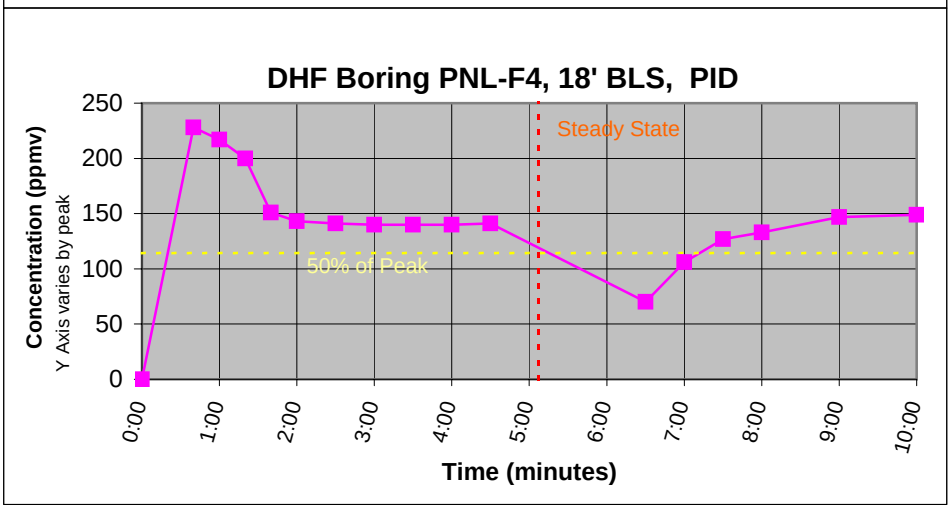


PNL-F4-18'

TIME	FID	PID
0:00	0	0
0:40	1776	228
1:00	1431	217
1:20	1184	200
1:40	895	151
2:00	828	143
2:30	825	141
3:00	821	140
3:30	834	140
4:00	847	140
4:30	855	141
6:30	369	70
7:00	692	106
7:30	816	127
8:00	860	133
9:00	969	147
10:00	983	149
10:30	1015	152
11:00	1030	155
11:30	1056	157
12:00	1069	159
12:30	1070	160
Peak	1776	228
SS Value	700	120
SS % Pk	39%	53%



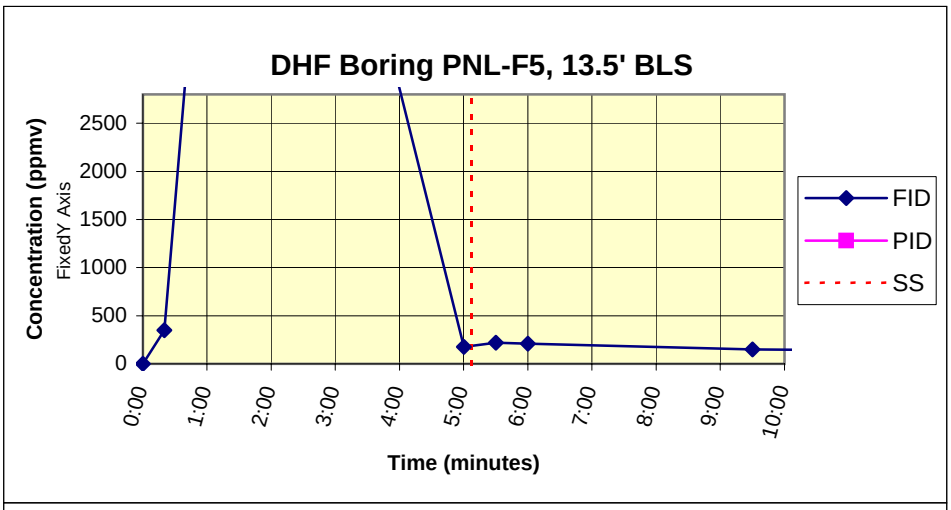


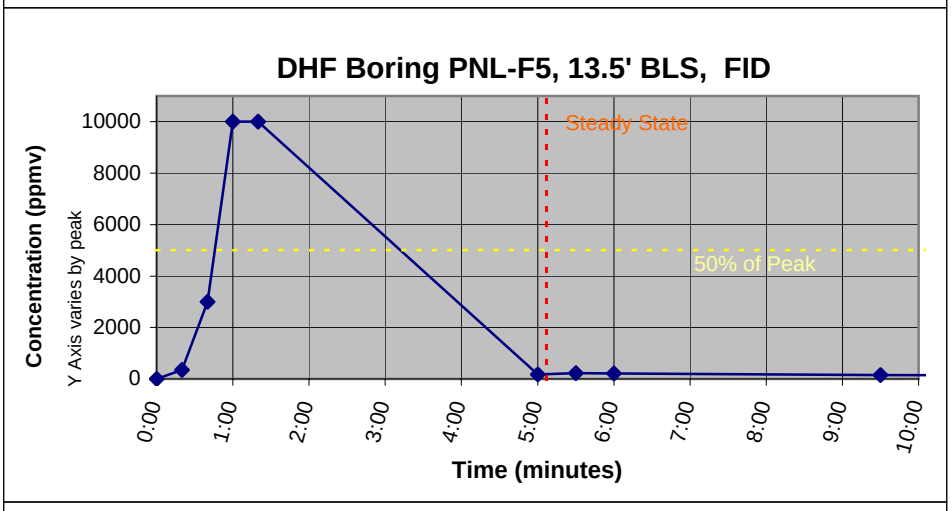


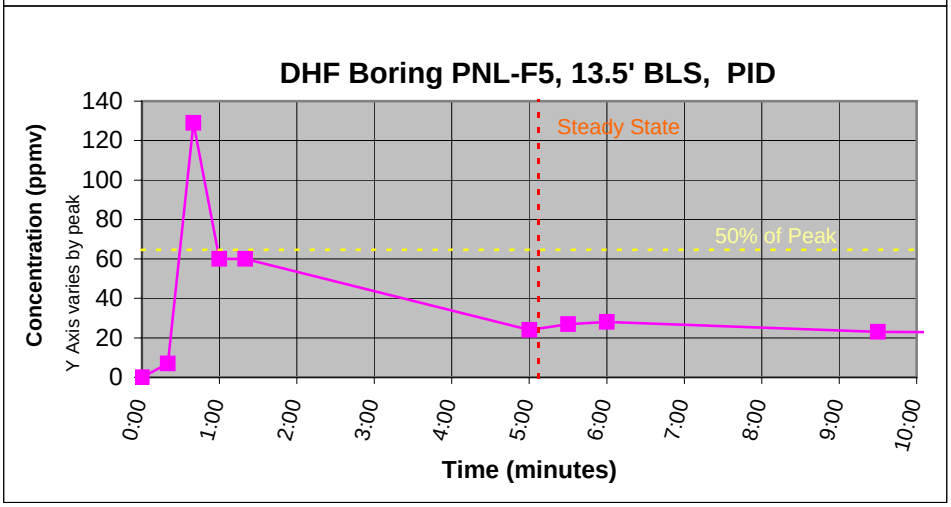
PNL-F5-13.5'

TIME	FID	PID
0:00	0	0
0:20	350	7
0:40	3000	129
1:00	10000	60
1:20	10000	60
5:00	175	24
5:30	218	27
6:00	209	28
9:30	150	23
18:40	102	21

Peak	10000	129
SS Value	175	24
SS % Pk	2%	19%



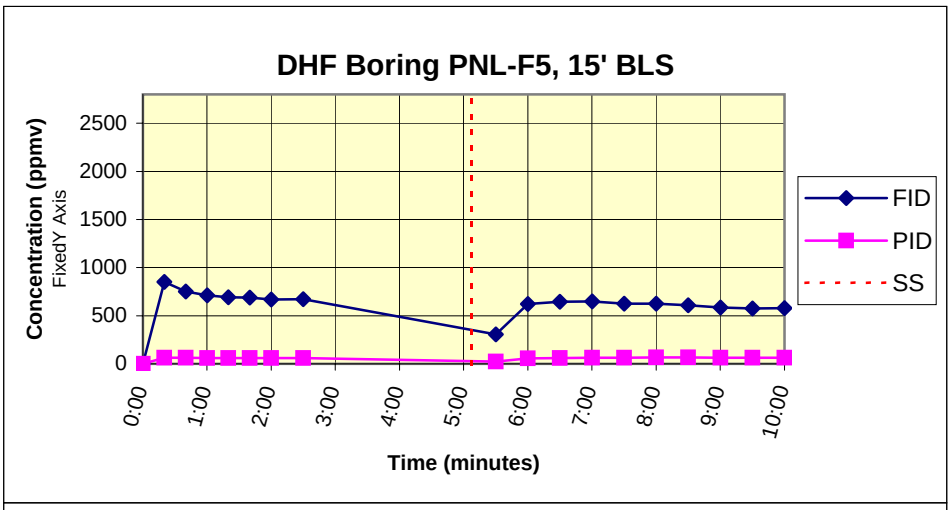


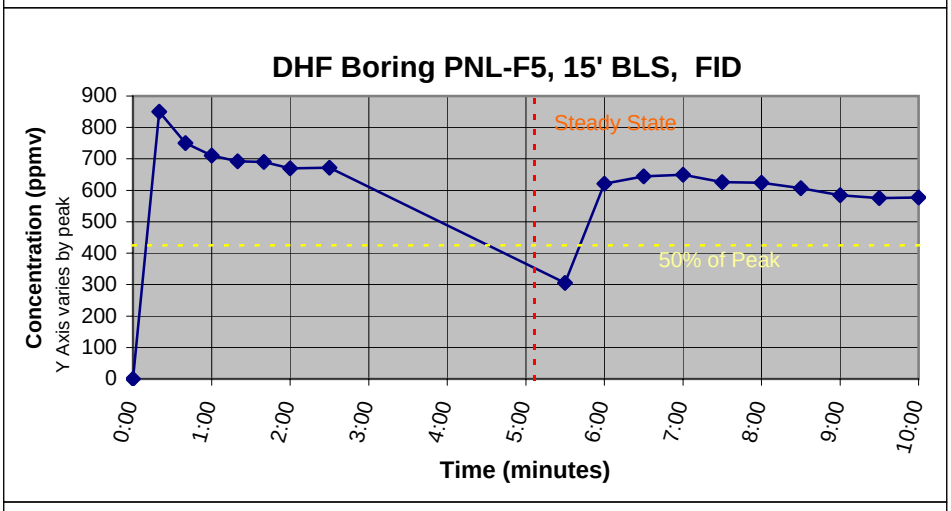


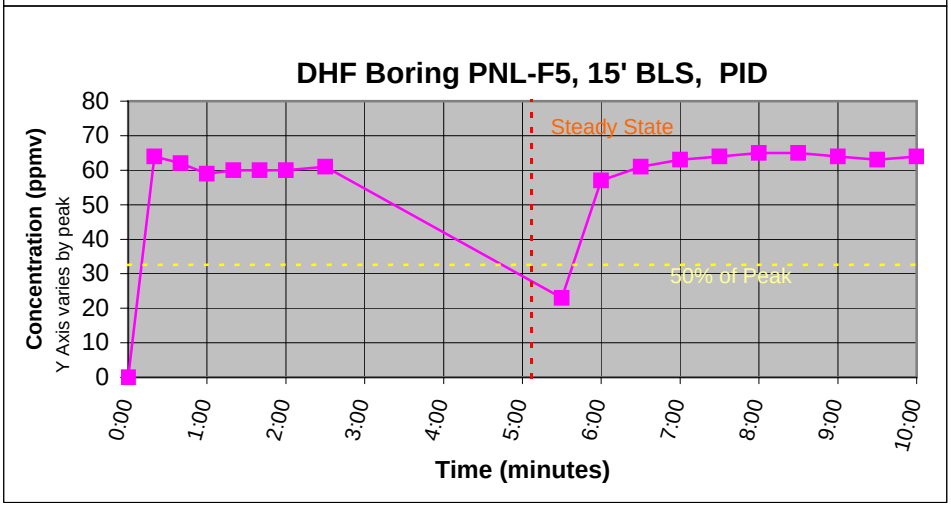
PNL-F5-15'

TIME	FID	PID
0:00	0	0
0:20	850	64
0:40	750	62
1:00	711	59
1:20	692	60
1:40	690	60
2:00	670	60
2:30	672	61
5:30	305	23
6:00	621	57
6:30	644	61
7:00	650	63
7:30	626	64
8:00	624	65
8:30	607	65
9:00	584	64
9:30	575	63
10:00	577	64

Peak	850	65
SS Value	350	28
SS % Pk	41%	43%



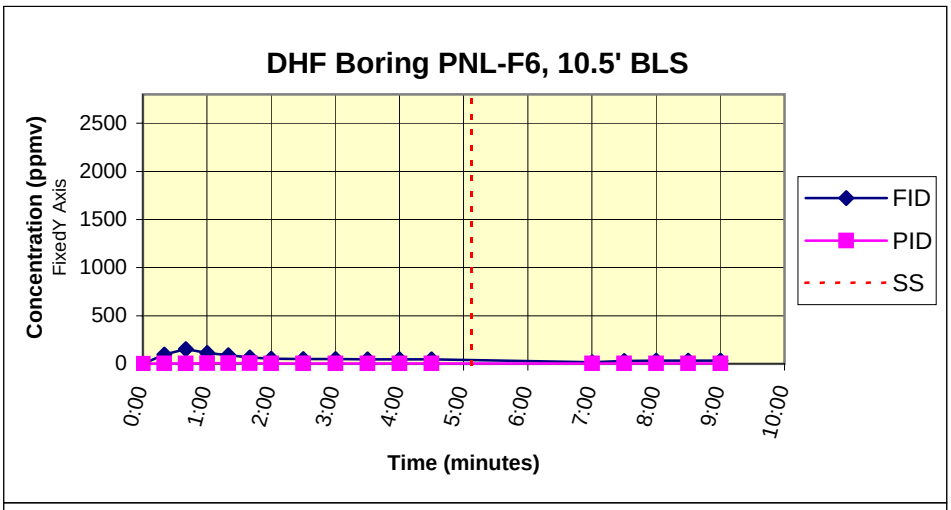


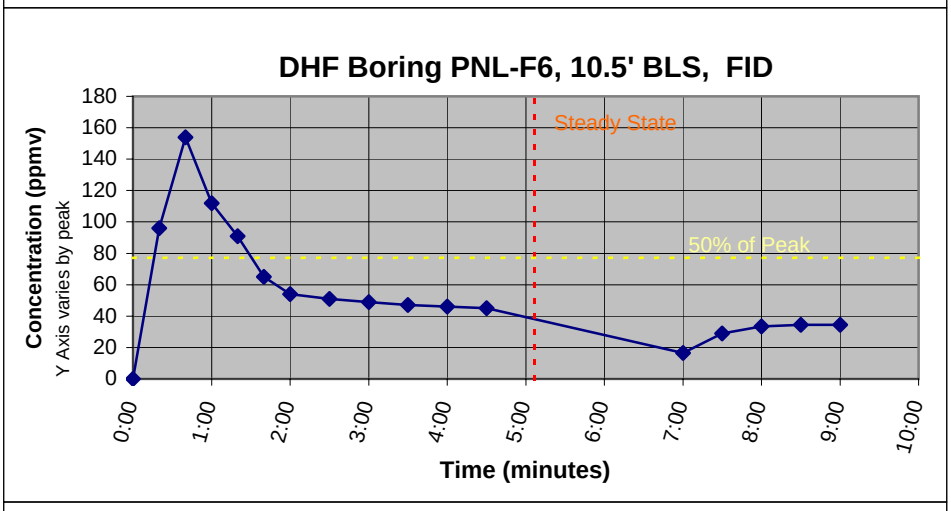


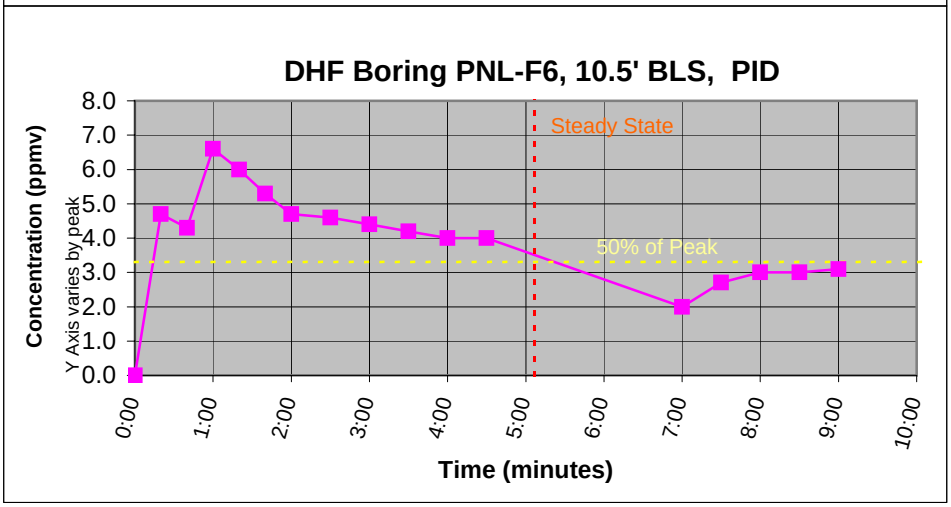
PNL-F6-10.5'

TIME	FID	PID
0:00	0	0.0
0:20	96	4.7
0:40	154	4.3
1:00	112	6.6
1:20	91	6.0
1:40	65	5.3
2:00	54	4.7
2:30	51	4.6
3:00	49	4.4
3:30	47	4.2
4:00	46	4.0
4:30	45	4.0
7:00	16.5	2.0
7:30	28.9	2.7
8:00	33.5	3.0
8:30	34.5	3.0
9:00	34.5	3.1

Peak	154	7
SS Value	39	3.5
SS % Pk	25%	53%



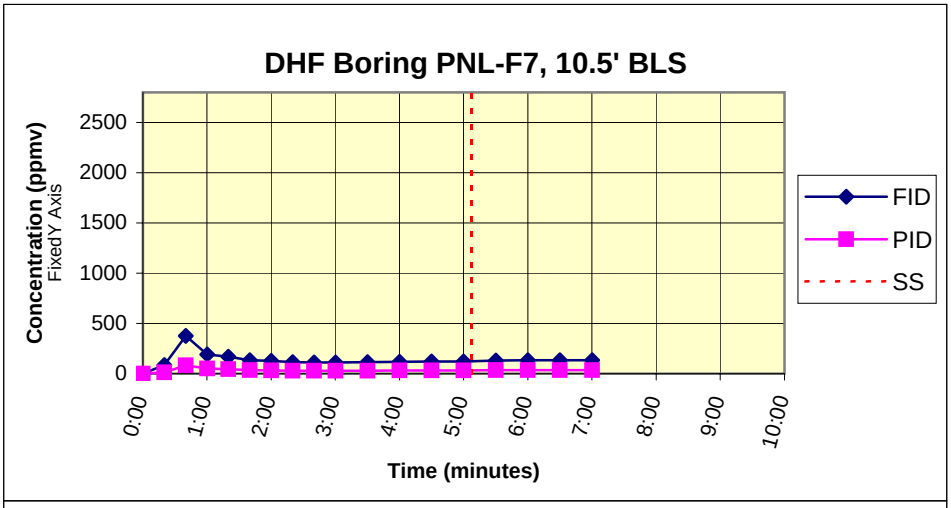


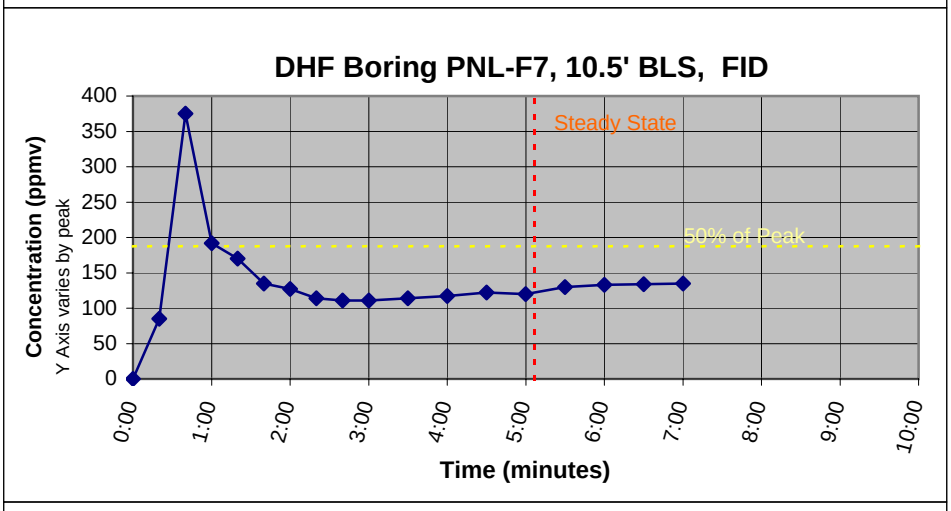


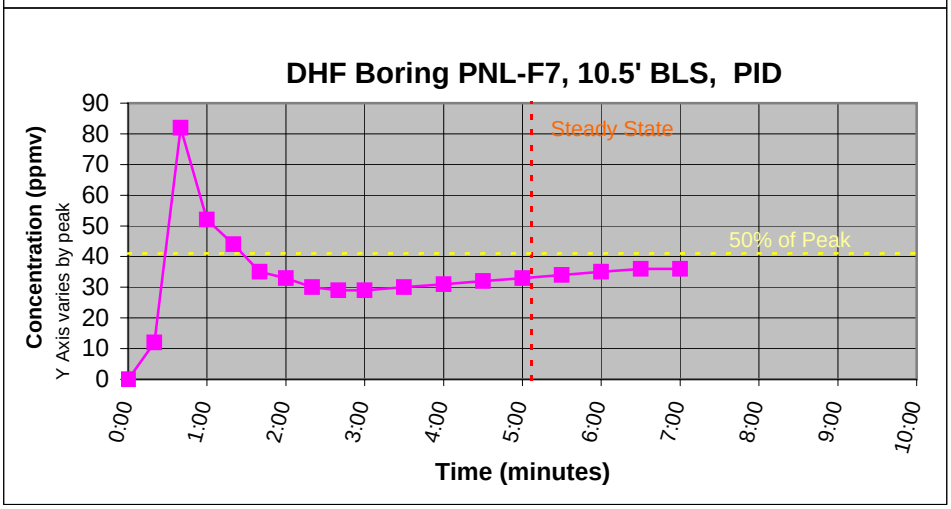
PNL-F7-10.5'

TIME	FID	PID
0:00	0	0
0:20	85	12
0:40	375	82
1:00	192	52
1:20	170	44
1:40	135	35
2:00	127	33
2:20	114	30
2:40	111	29
3:00	111	29
3:30	114	30
4:00	117	31
4:30	122	32
5:00	120	33
5:30	130	34
6:00	133	35
6:30	134	36
7:00	135	36

Peak	375	82
SS Value	120	33
SS % Pk	32%	40%



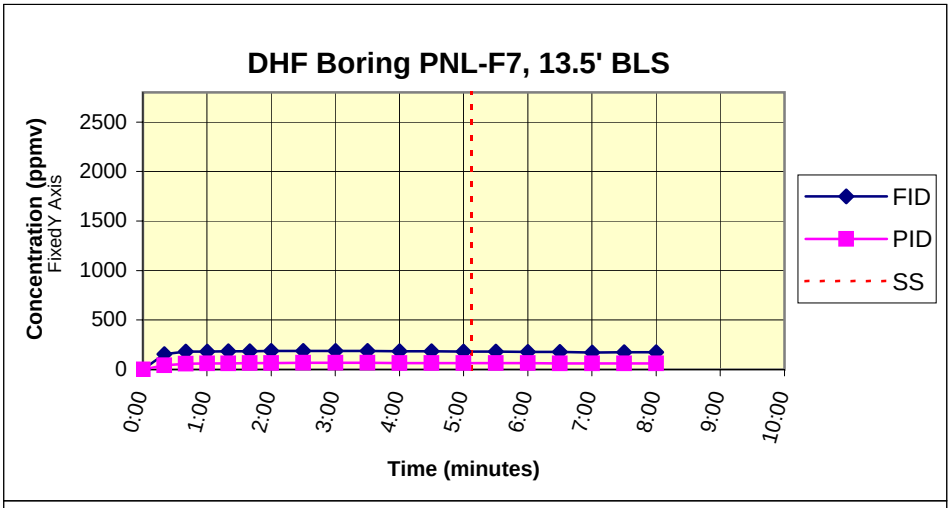


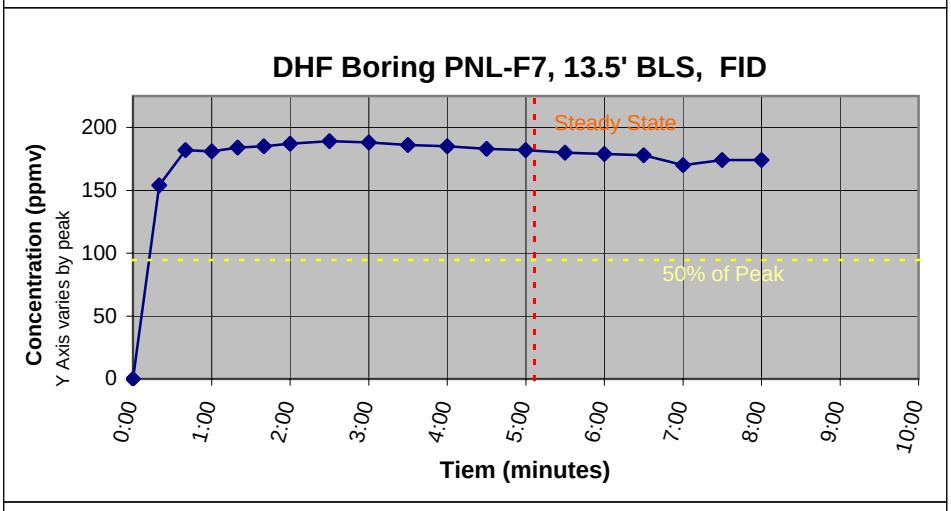


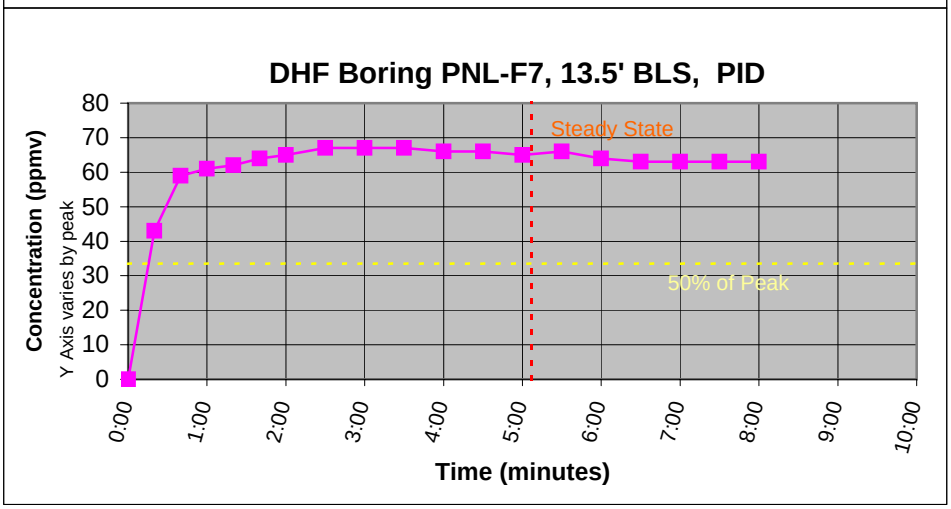
PNL-F7-13.5'

TIME	FID	PID
0:00	0	0
0:20	154	43
0:40	182	59
1:00	181	61
1:20	184	62
1:40	185	64
2:00	187	65
2:30	189	67
3:00	188	67
3:30	186	67
4:00	185	66
4:30	183	66
5:00	182	65
5:30	180	66
6:00	179	64
6:30	178	63
7:00	170	63
7:30	174	63
8:00	174	63

Peak	189	67
SS Value	182	65
SS % Pk	96%	97%



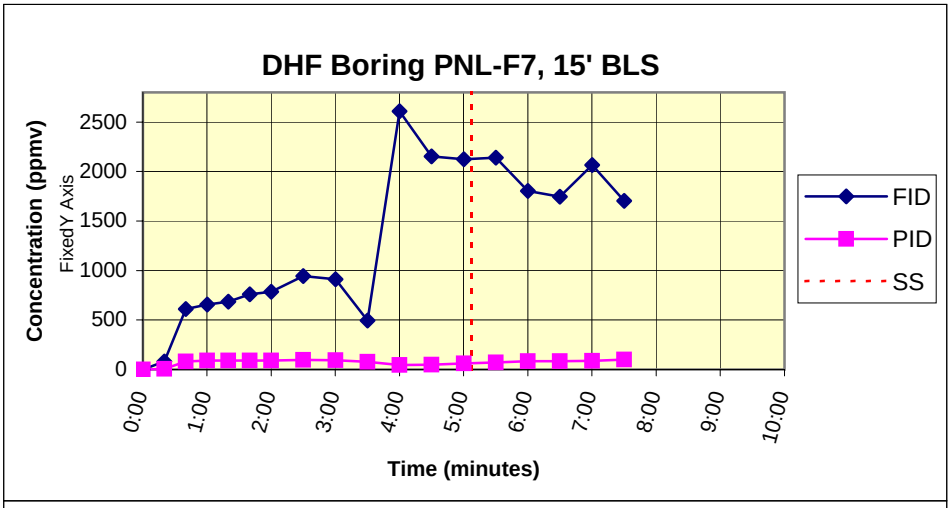


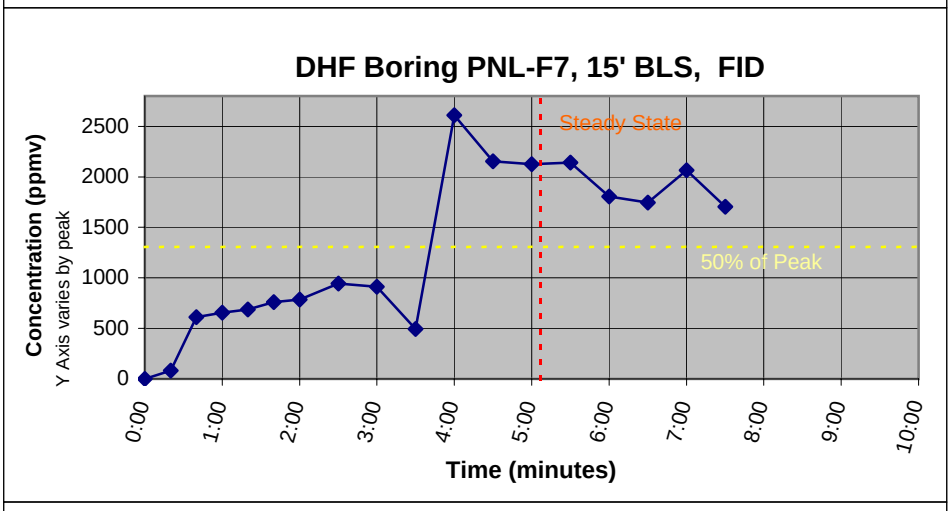


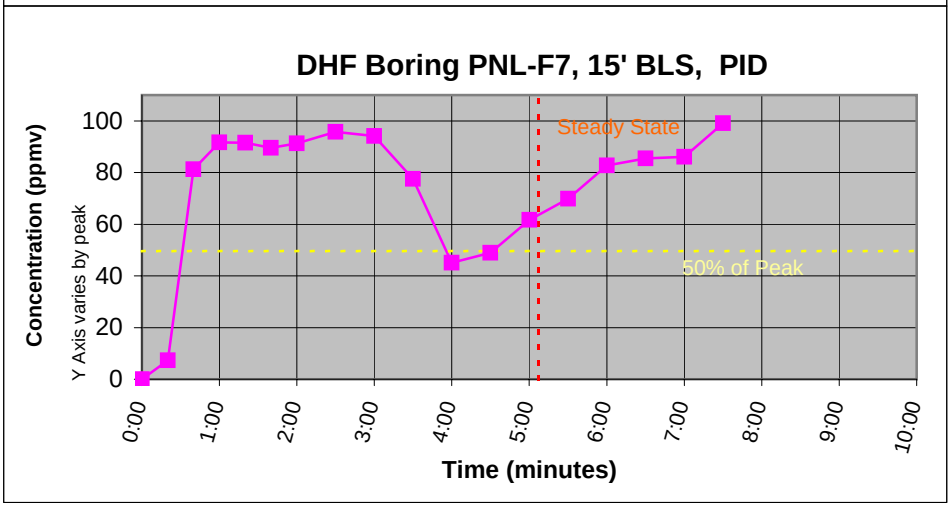
PNL-F7-15'

TIME	FID	PID
0:00	0	0
0:20	82	7.3
0:40	610	81.2
1:00	656	91.7
1:20	686	91.5
1:40	759	89.6
2:00	785	91.3
2:30	945	95.7
3:00	911	94.2
3:30	495	77.5
4:00	2610	45.1
4:30	2153	48.9
5:00	2125	61.7
5:30	2140	69.9
6:00	1805	82.8
6:30	1745	85.5
7:00	2065	86.1
7:30	1703	99.1

Peak	2610	99
SS Value	2125	62
SS % Pk	81%	62%



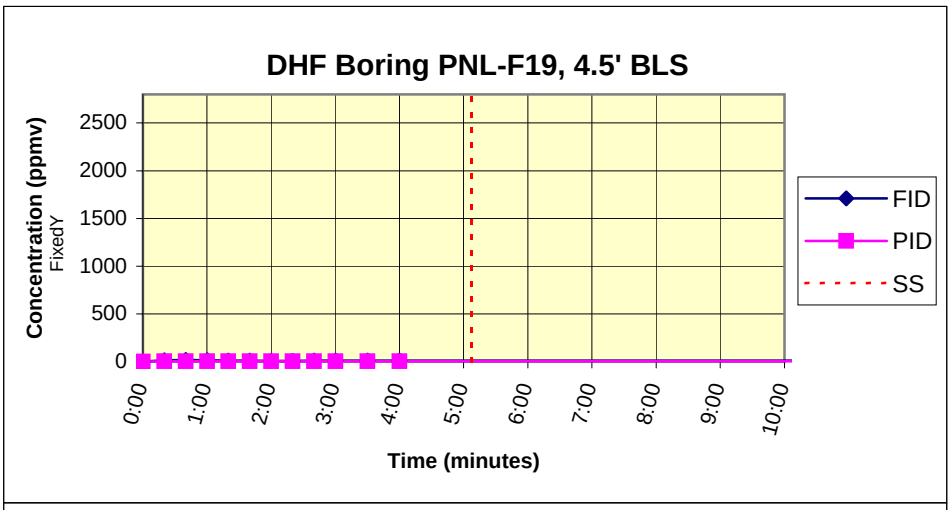


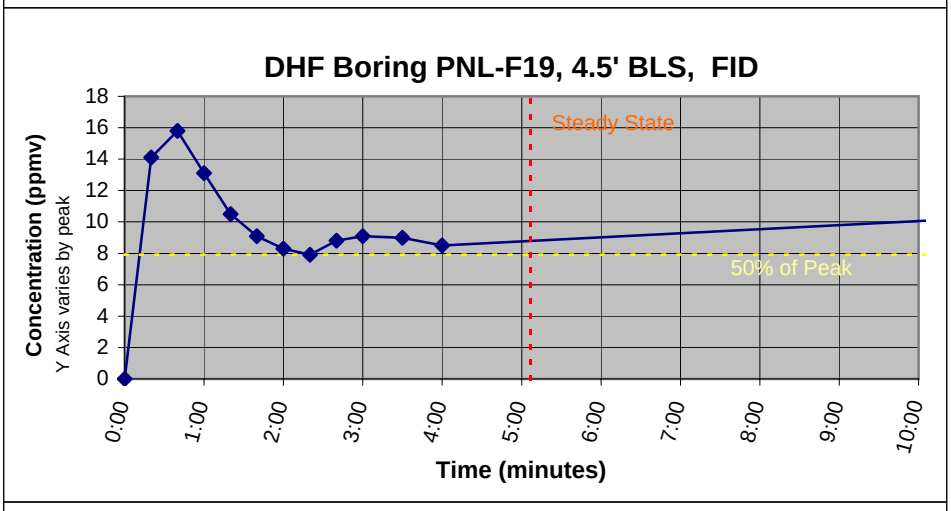


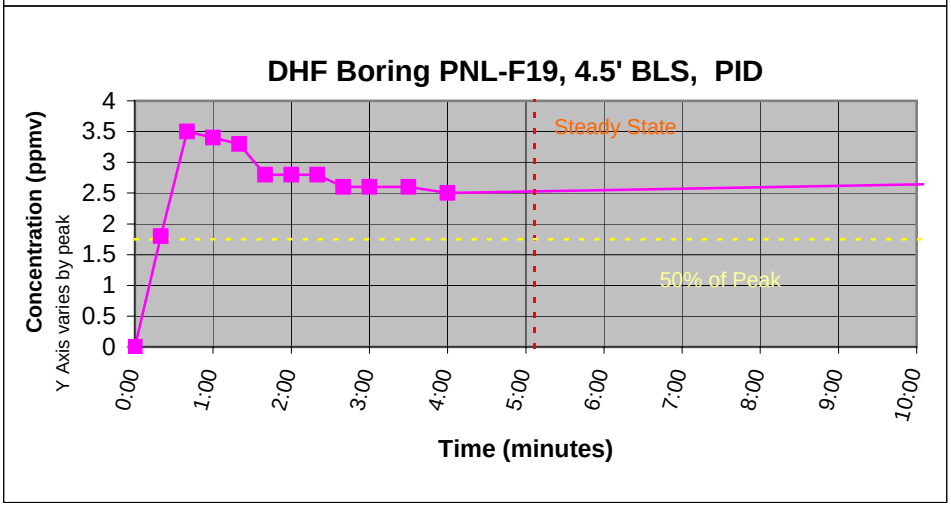
PNL-F19-4.5'

TIME	FID	PID
0:00	0	0
0:20	14.1	1.8
0:40	15.8	3.5
1:00	13.1	3.4
1:20	10.5	3.3
1:40	9.1	2.8
2:00	8.3	2.8
2:20	7.9	2.8
2:40	8.8	2.6
3:00	9.1	2.6
3:30	9	2.6
4:00	8.5	2.5
12:30	10.7	2.7
13:00	9.2	2.5
17:00	3.6	1.1
17:30	3.4	0.9

Peak	16	4
SS Value	9	3
SS % Pk	57%	71%



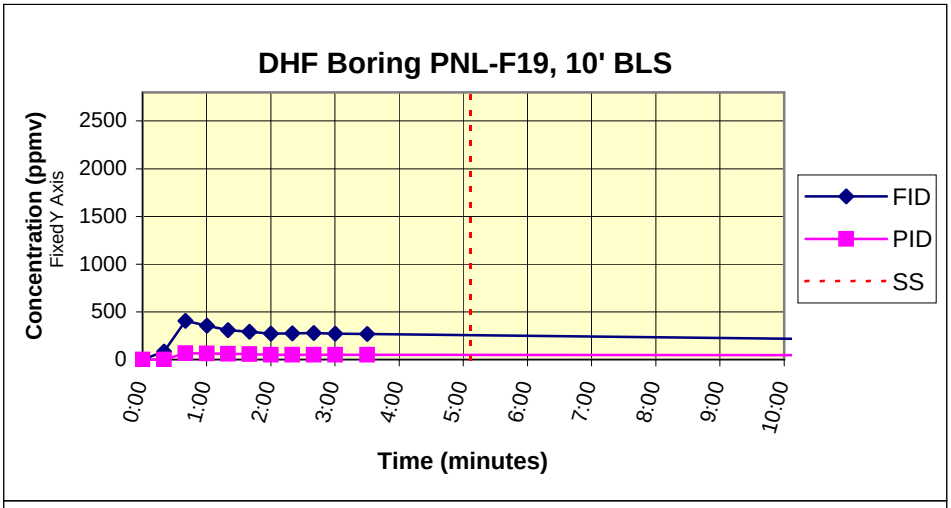


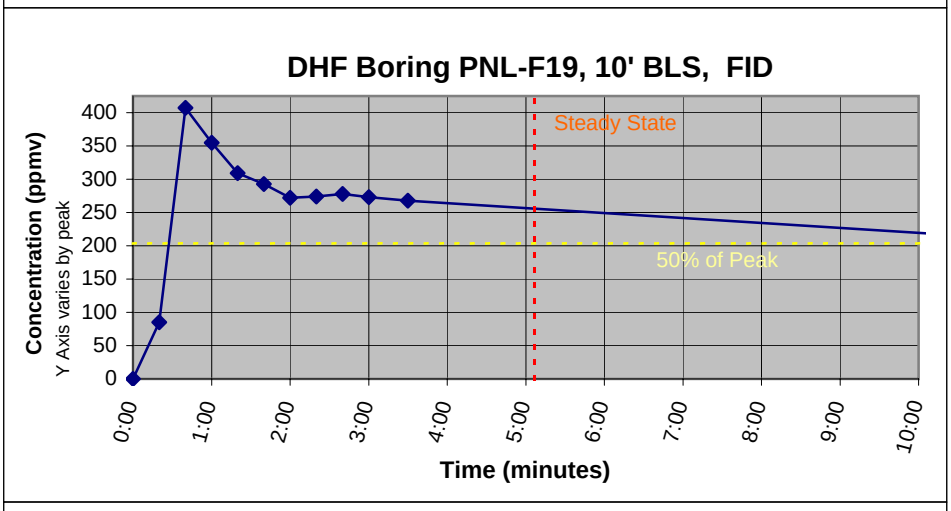


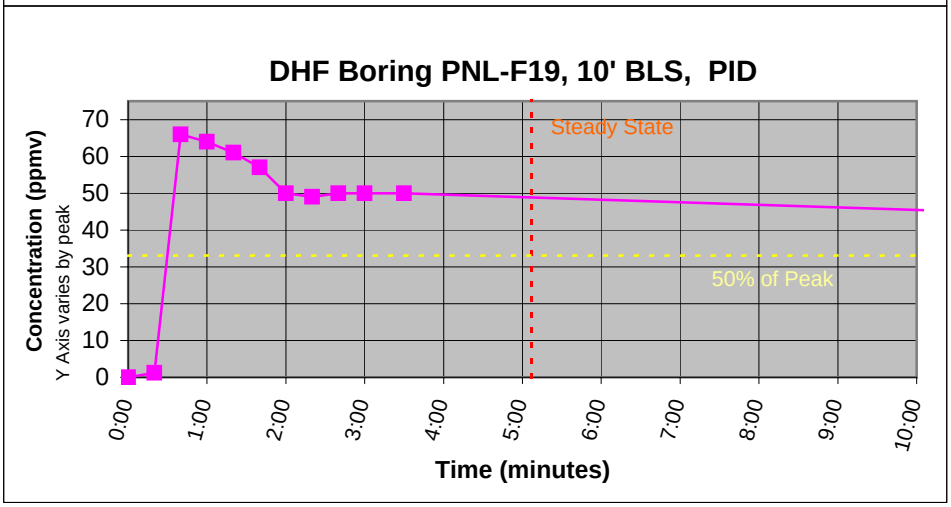
PNL-F19-10'

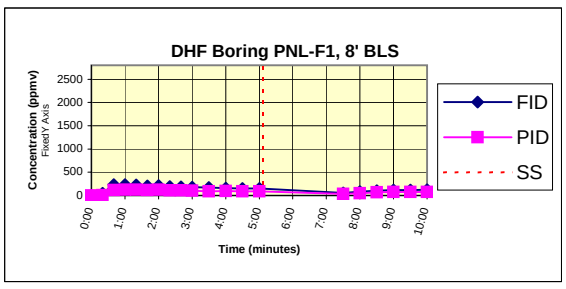
TIME	FID	PID
0:00	0	0
0:20	85	1.2
0:40	407	66
1:00	355	64
1:20	309	61
1:40	293	57
2:00	272	50
2:20	274	49
2:40	278	50
3:00	273	50
3:30	268	50
15:00	182	42
15:30	169	42
18:00	83	21.5
18:30	119	32
19:00	134	36

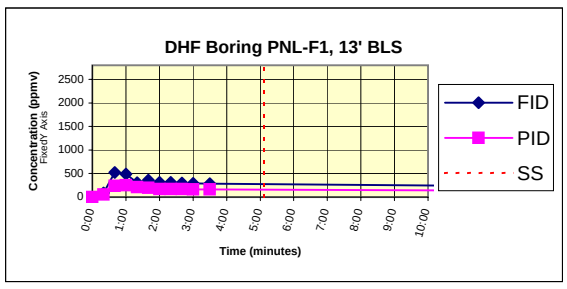
Peak	407	66
SS Value	255	49
SS % Pk	63%	74%

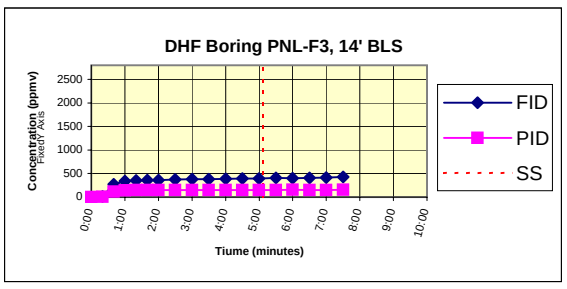


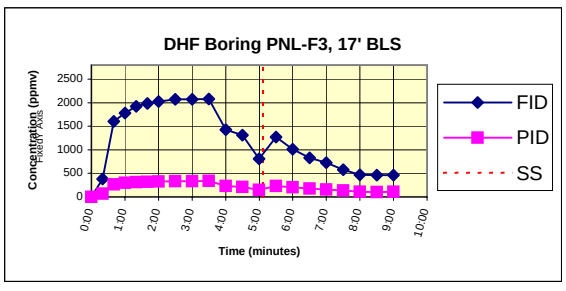


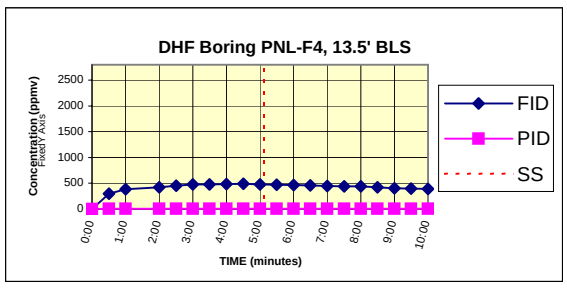


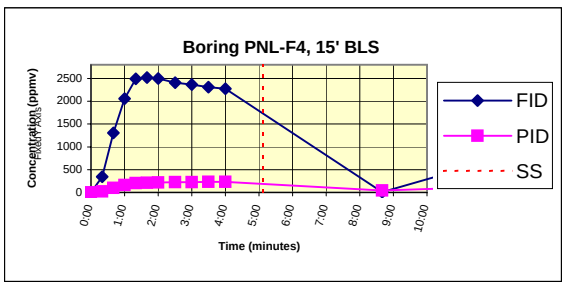

DHF Boring PNL-F1, 8' BLS
Concentration (ppmv)
Fixed Y Axis
Time (minutes)
FID
PID
SS

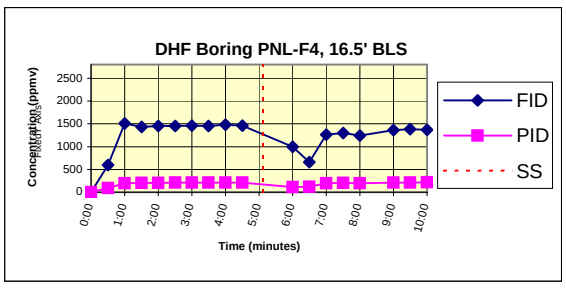

DHF Boring PNL-F1, 13' BLS
Concentration (ppmv)
Fixed Y Axis
Time (minutes)
FID
PID
SS

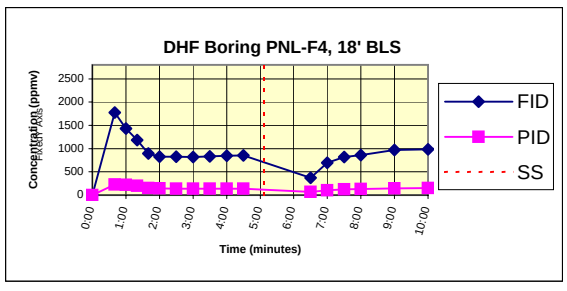

DHF Boring PNL-F3, 14' BLS
Concentration (ppmv)
Fixed Y Axis
Tiume (minutes)
FID
PID
SS

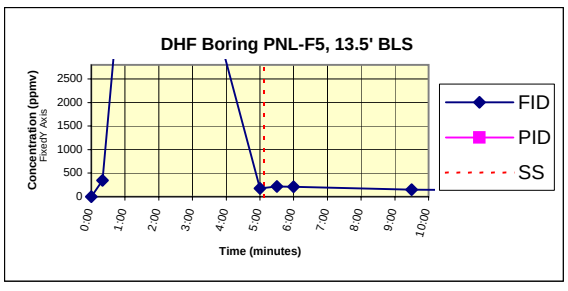

DHF Boring PNL-F3, 17' BLS
Concentration (ppmv)
Fixed Y Axis
Time (minutes)
FID
PID
SS

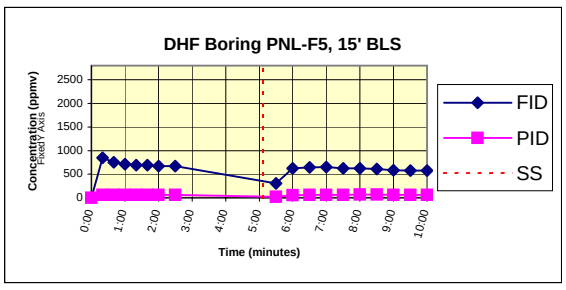

DHF Boring PNL-F4, 13.5' BLS
Concentration (ppmv)
Fixed Y Axis
TIME (minutes)
FID
PID
SS

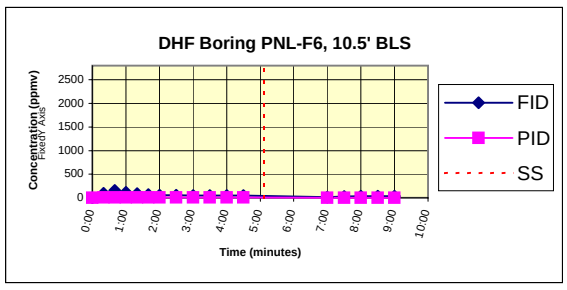

Boring PNL-F4, 15' BLS
Concentration (ppmv)
Fixed Y Axis
Time (minutes)
FID
PID
SS

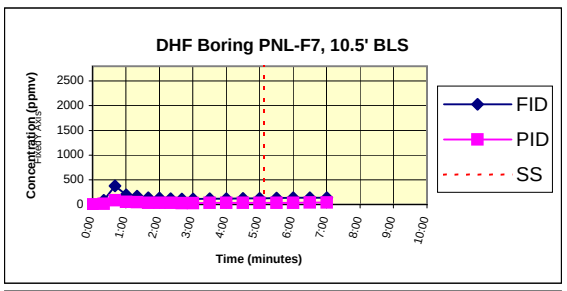

DHF Boring PNL-F4, 16.5' BLS
Concentration (ppmv)
Fixed Y Axis
Time (minutes)
FID
PID
SS

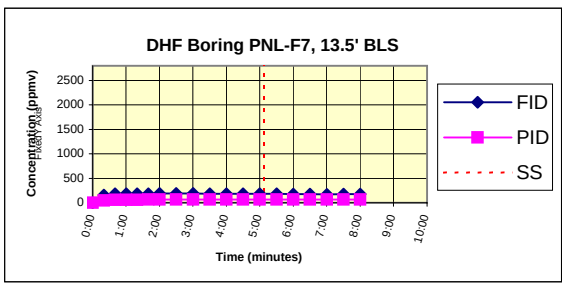

DHF Boring PNL-F4, 18' BLS
Concentration (ppmv)
Fixed Y Axis
Time (minutes)
FID
PID
SS

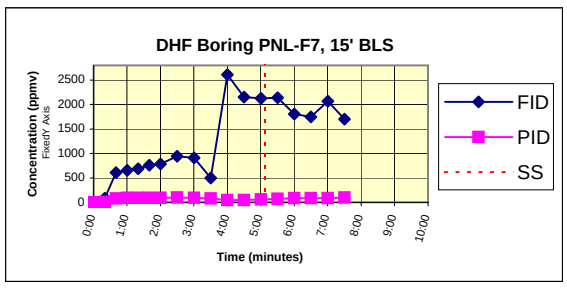

DHF Boring PNL-F5, 13.5' BLS
Concentration (ppmv)
Fixed Y Axis
Time (minutes)
FID
PID
SS

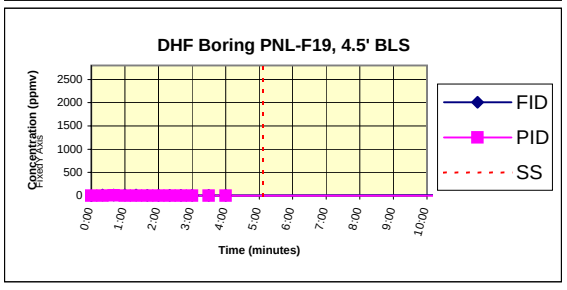

DHF Boring PNL-F5, 15' BLS
Concentration (ppmv)
Fixed Y Axis
Time (minutes)
FID
PID
SS

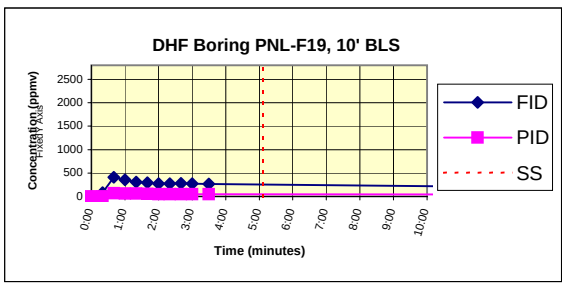

DHF Boring PNL-F6, 10.5' BLS
Concentration (ppmv)
Fixed Y Axis
Time (minutes)
FID
PID
SS


DHF Boring PNL-F7, 10.5' BLS
Concentration (ppmv)
Fixed Y Axis
Time (minutes)
FID
PID
SS


DHF Boring PNL-F7, 13.5' BLS
Concentration (ppmv)
Fixed Y Axis
Time (minutes)
FID
PID
SS

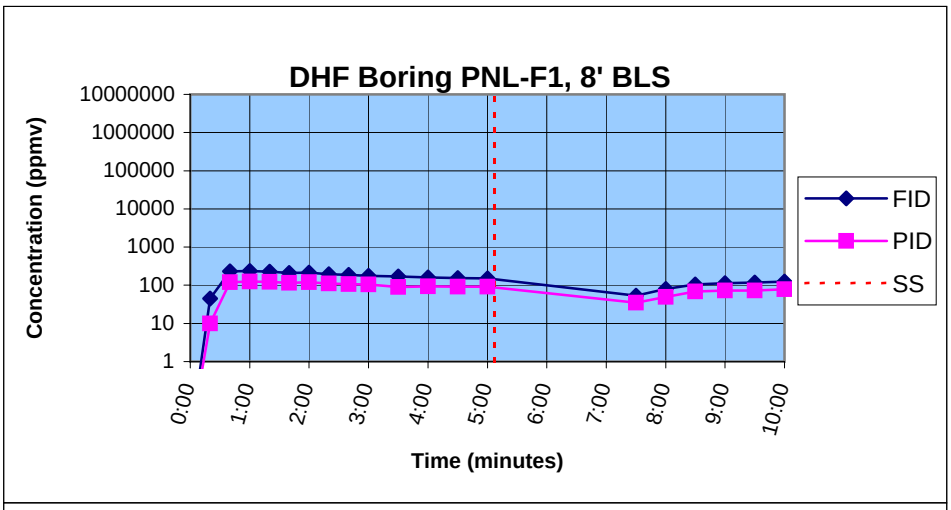

DHF Boring PNL-F7, 15' BLS
Concentration (ppmv)
Fixed Y Axis
Time (minutes)
FID
PID
SS

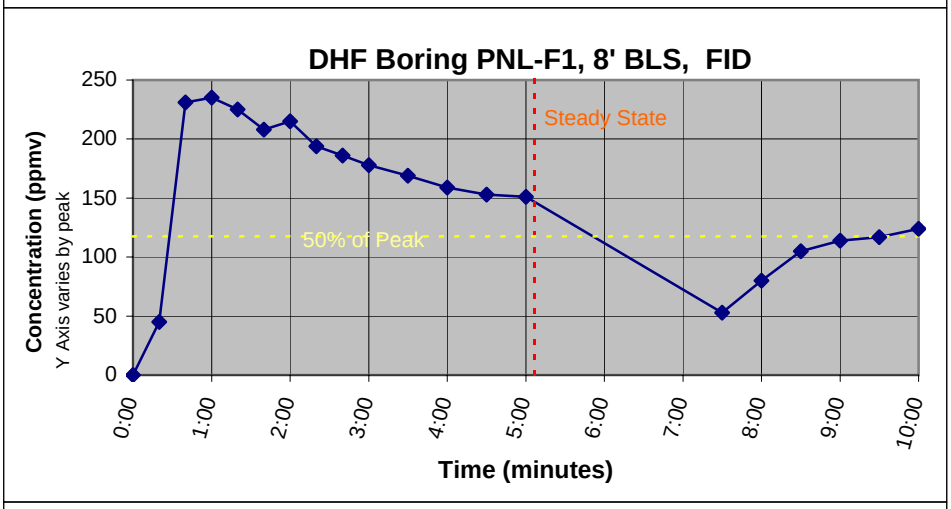

DHF Boring PNL-F19, 4.5' BLS
Concentration (ppmv)
Fixed Y Axis
Time (minutes)
FID
PID
SS

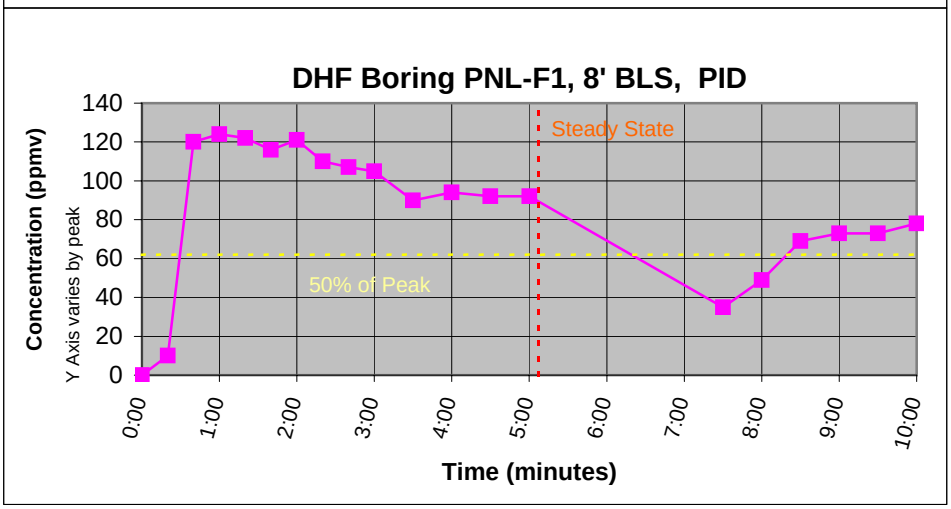

DHF Boring PNL-F19, 10' BLS
Concentration (ppmv)
Fixed Y Axis
Time (minutes)
FID
PID
SS

PNL-F1-8'

TIME	FID	PID
0:00	0.01	0.01
0:20	45	10
0:40	231	120
1:00	235	124
1:20	225	122
1:40	208	116
2:00	215	121
2:20	194	110
2:40	186	107
3:00	178	105
3:30	169	90
4:00	159	94
4:30	153	92
5:00	151	92
7:30	53	35
8:00	80	49
8:30	105	69
9:00	114	73
9:30	117	73
10:00	124	78
Peak	235	124
SS Value	151	92
SS % Pk	64%	74%



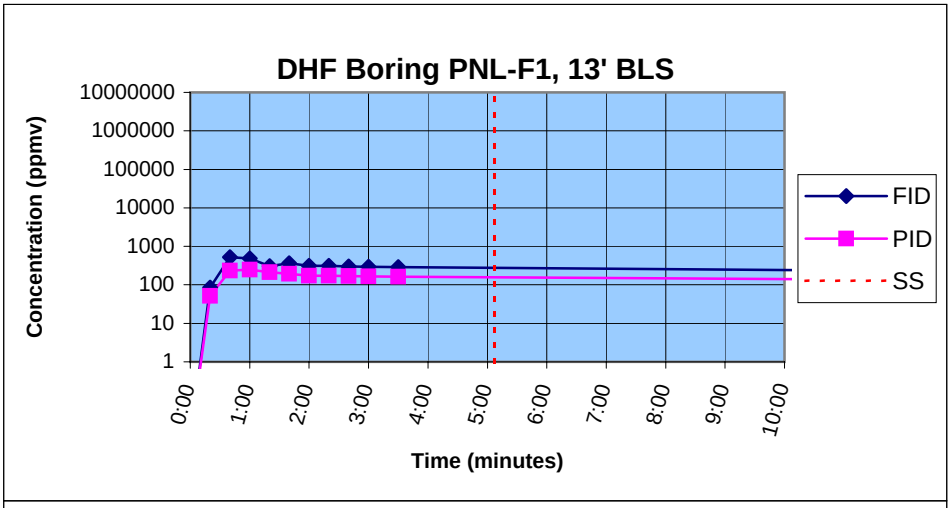


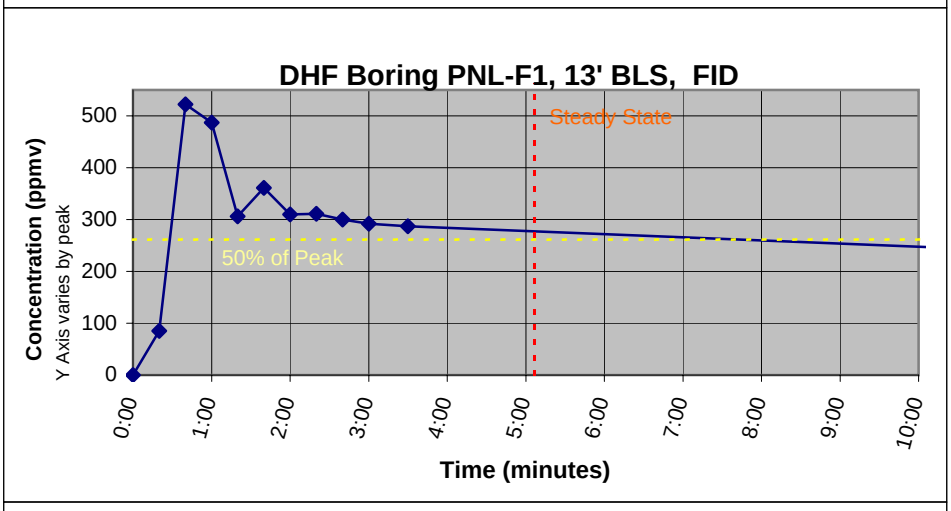


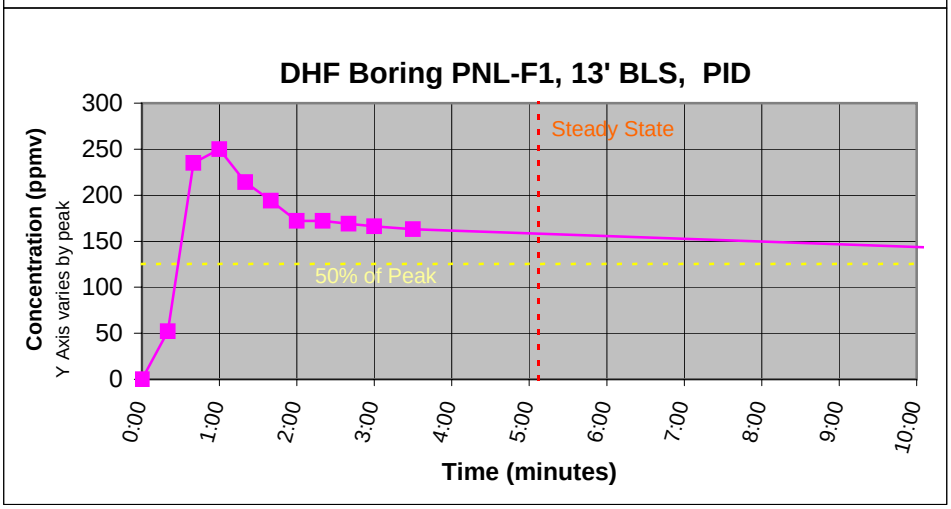
PNL-F1-13'

TIME	FID	PID
0:00	0.01	0.01
0:20	85	52
0:40	522	235
1:00	487	250
1:20	306	214
1:40	361	194
2:00	310	172
2:20	311	172
2:40	300	169
3:00	292	166
3:30	287	163
22:00	175	108
22:30	132	85
23:00	139	89
24:00	178	112

Peak	522	250
SS Value	280	155
SS % Pk	54%	62%



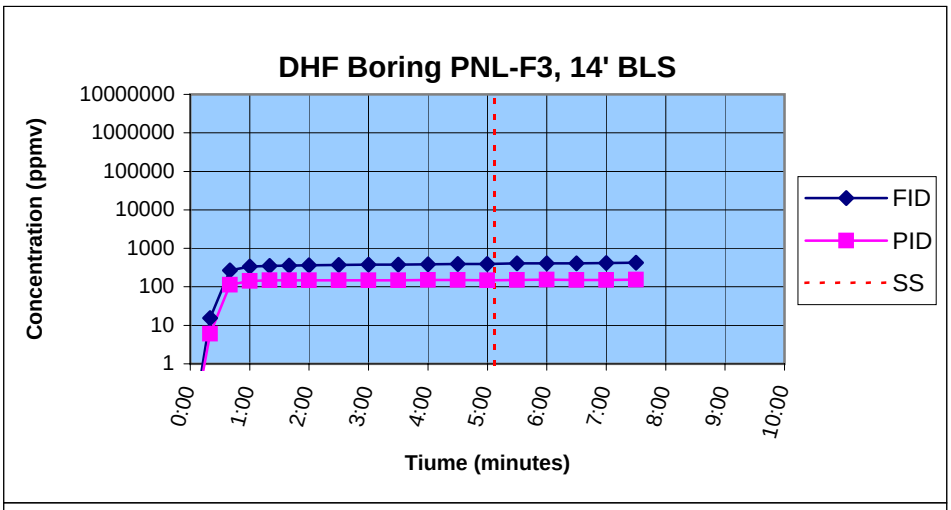


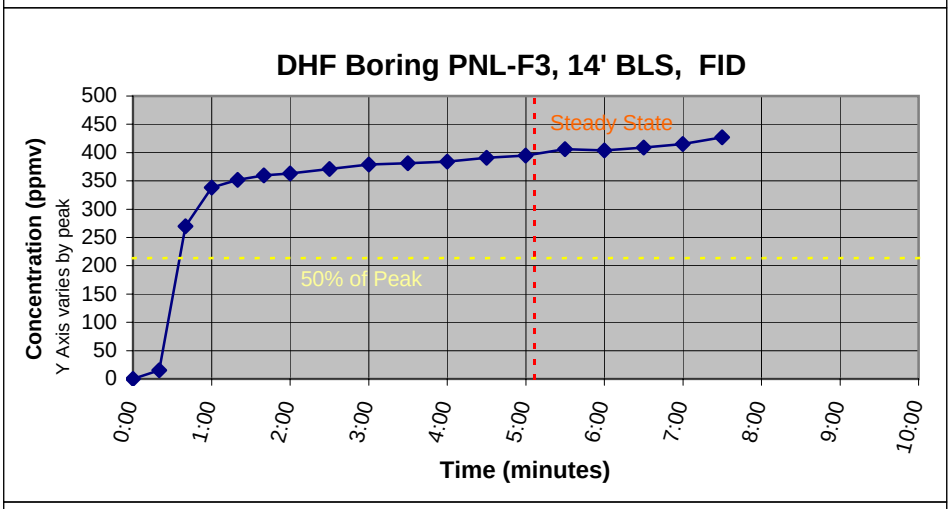


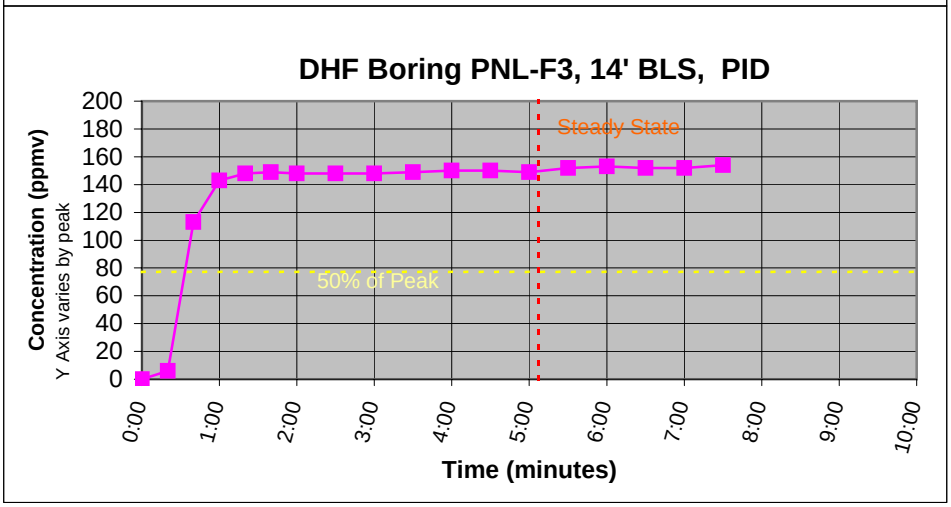
PNL-F3-14'

TIME	FID	PID
0:00	0.01	0.01
0:20	15.3	6
0:40	270	113
1:00	338	143
1:20	352	148
1:40	360	149
2:00	363	148
2:30	371	148
3:00	379	148
3:30	381	149
4:00	384	150
4:30	391	150
5:00	395	149
5:30	406	152
6:00	404	153
6:30	409	152
7:00	415	152
7:30	427	154

Peak	427	154
SS Value	395	149
SS % Pk	93%	97%

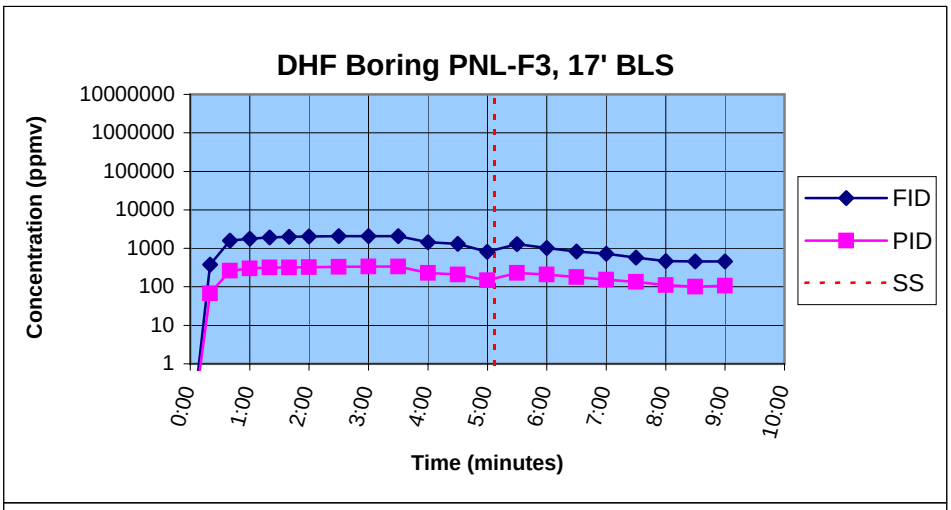


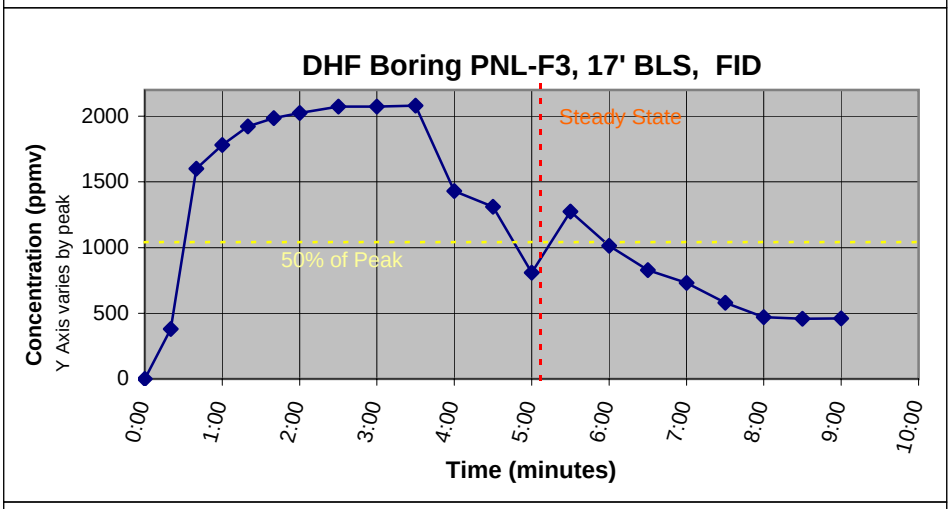


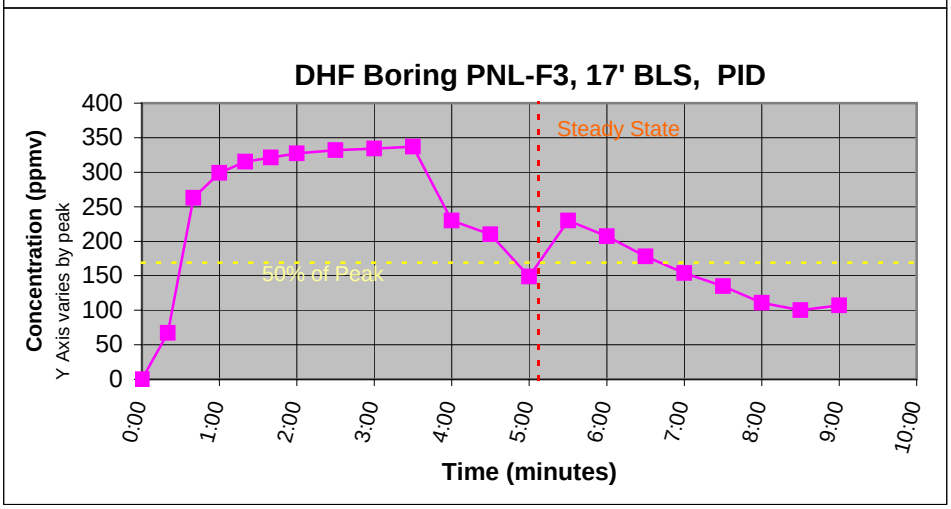


PNL-F3-17'

TIME	FID	PID
0:00	0.01	0.01
0:20	380	67
0:40	1601	263
1:00	1780	299
1:20	1923	315
1:40	1986	321
2:00	2024	327
2:30	2074	332
3:00	2073	334
3:30	2081	337
4:00	1430	230
4:30	1310	210
5:00	810	149
5:30	1274	230
6:00	1014	207
6:30	828	178
7:00	730	154
7:30	581	135
8:00	470	111
8:30	459	100
9:00	460	107
Peak	2081	337
SS Value	810	149
SS % Pk	39%	44%

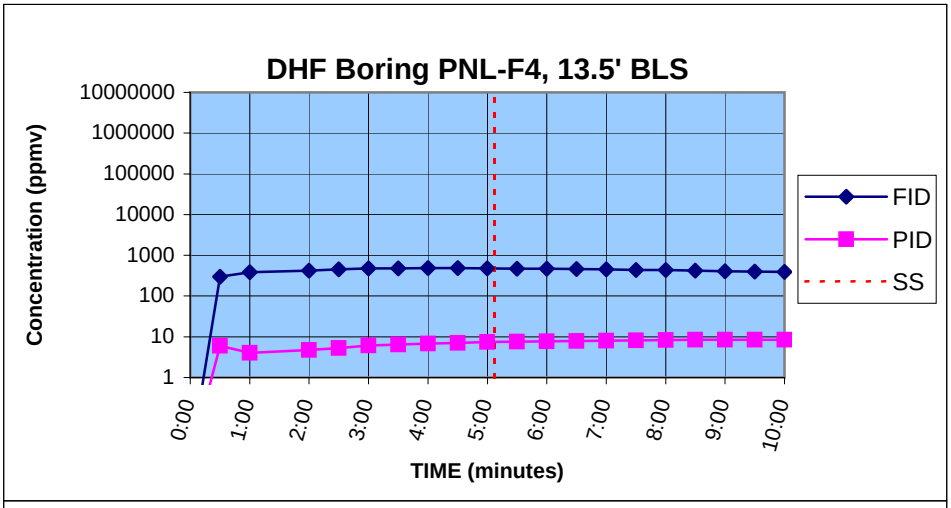


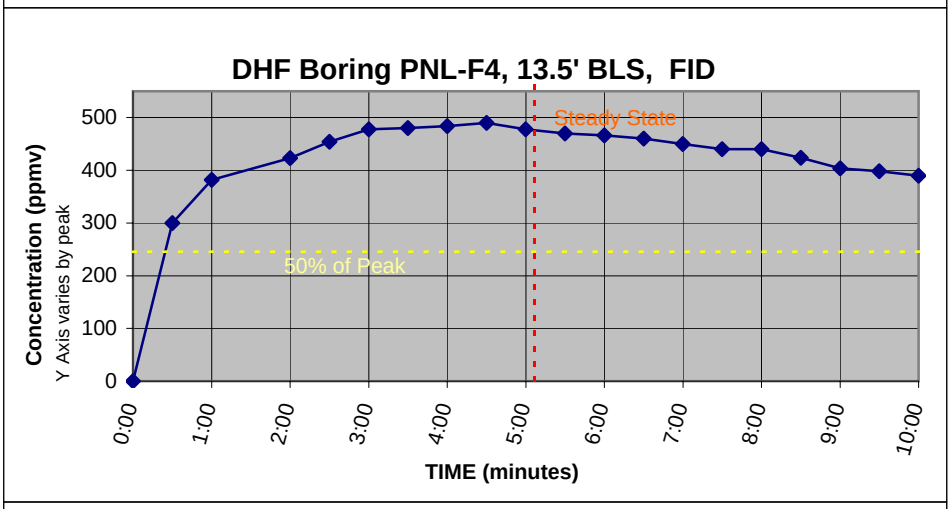


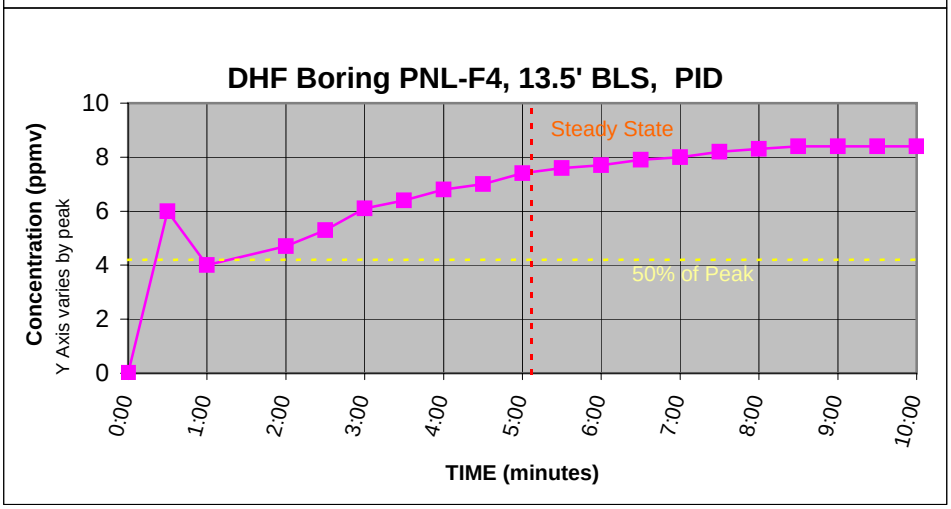


PNL-F4-13.5'

TIME	FID	PID
0:00	0.01	0.01
0:30	300	6
1:00	382	4
2:00	423	4.7
2:30	454	5.3
3:00	478	6.1
3:30	480	6.4
4:00	484	6.8
4:30	490	7
5:00	478	7.4
5:30	470	7.6
6:00	466	7.7
6:30	460	7.9
7:00	450	8
7:30	440	8.2
8:00	440	8.3
8:30	424	8.4
9:00	404	8.4
9:30	398	8.4
10:00	390	8.4
Peak	490	8.4
SS Value	478	7.4
SS % Pk	98%	88%

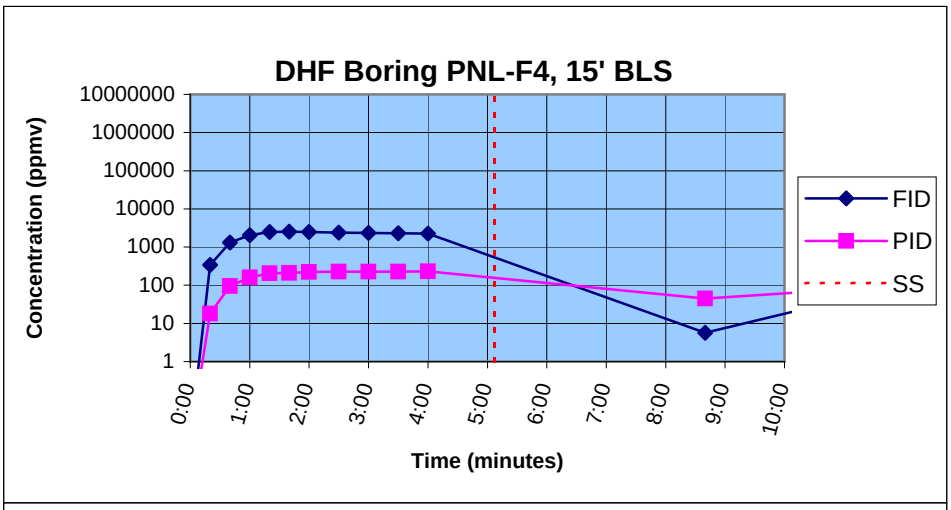


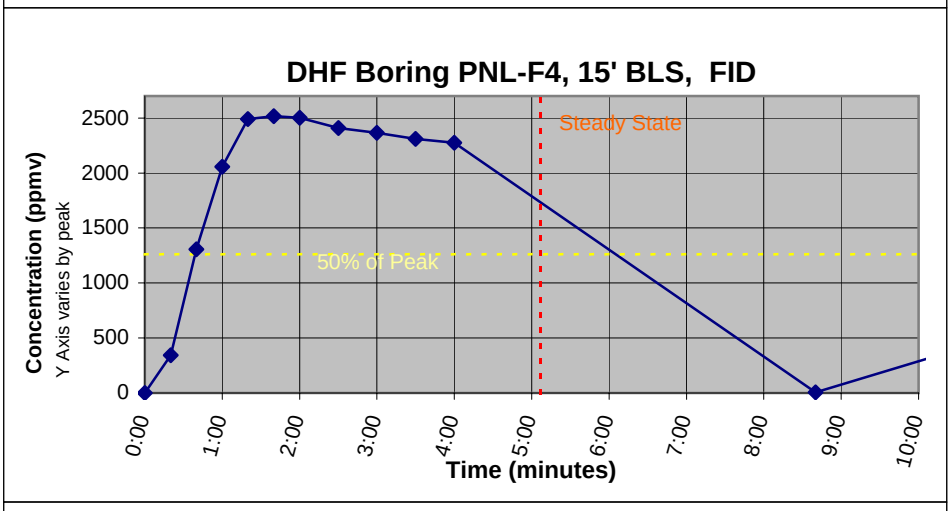


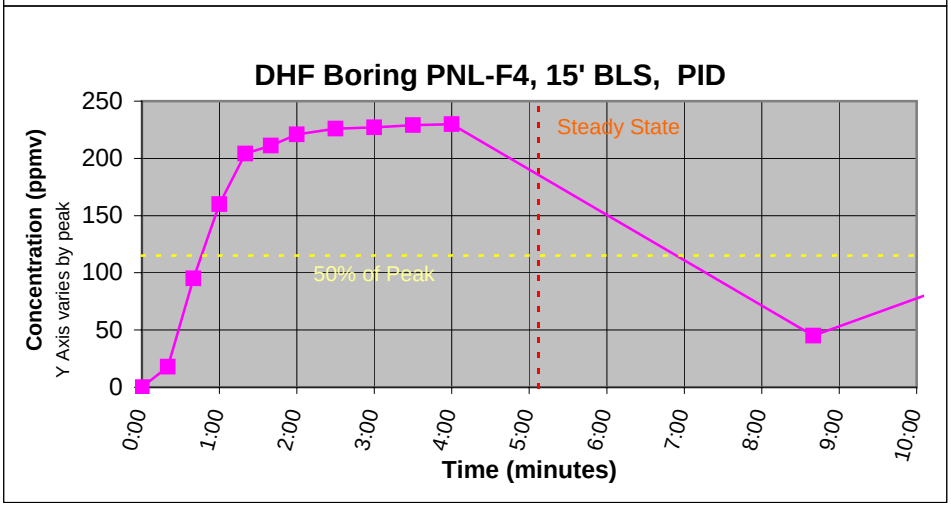


PNL-F4-15'

TIME	FID	PID
0:00	0.01	0.01
0:20	343	18
0:40	1305	95
1:00	2056	160
1:20	2490	204
1:40	2518	211
2:00	2501	221
2:30	2408	226
3:00	2365	227
3:30	2311	229
4:00	2276	230
8:40	5.7	45
15:00	1350	200
15:30	1330	210
17:00	1106	180
17:30	1150	208
18:00	1201	216
18:30	1220	220
Peak	2518	230
SS Value	1700	180
SS % Pk	68%	78%

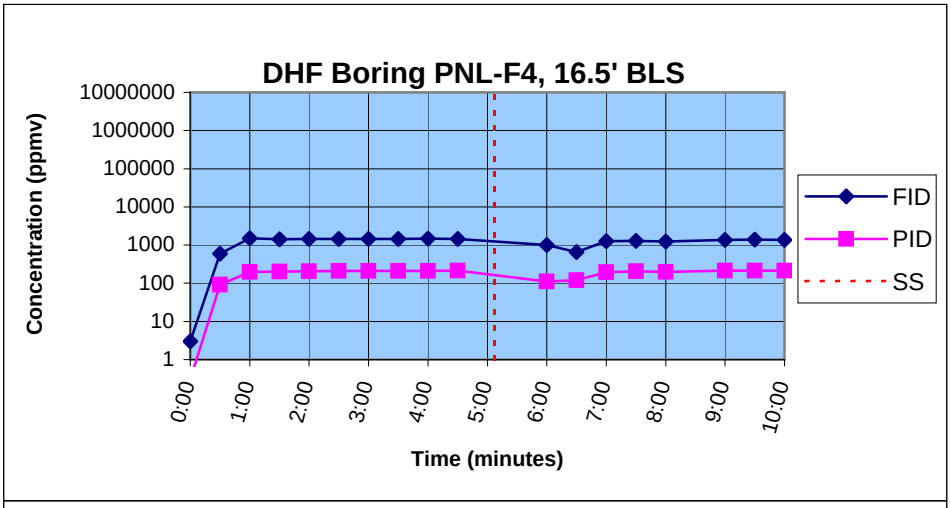


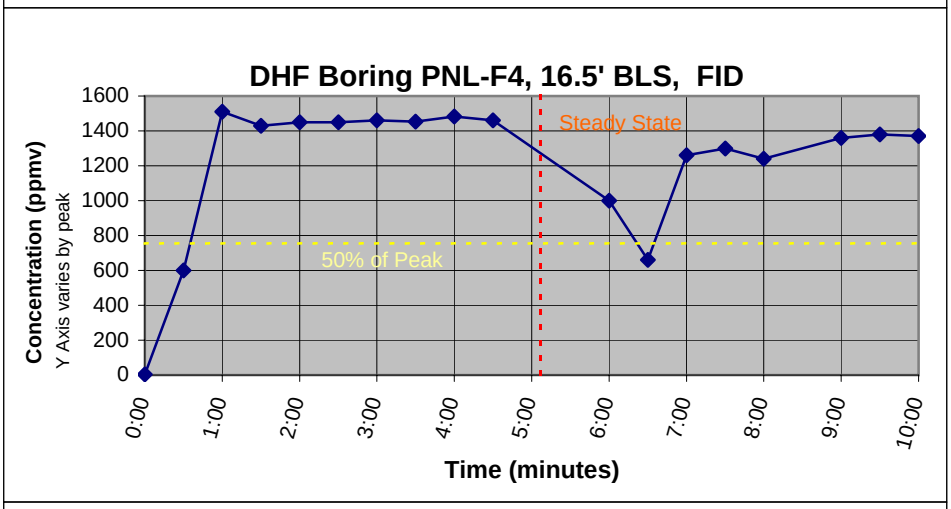


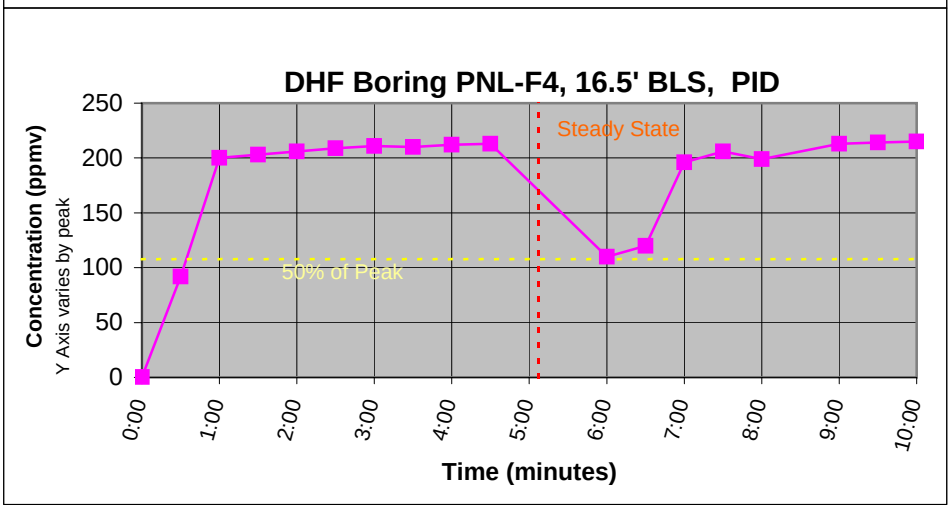


PNL-F4-16.5'

TIME	FID	PID
0:00	3	0.3
0:30	600	92
1:00	1510	200
1:30	1430	203
2:00	1450	206
2:30	1450	209
3:00	1460	211
3:30	1454	210
4:00	1482	212
4:30	1460	213
6:00	1000	110
6:30	660	120
7:00	1260	196
7:30	1300	206
8:00	1240	199
9:00	1360	213
9:30	1380	214
10:00	1370	215
Peak	1510	215
SS Value	1300	175
SS % Pk	86%	81%

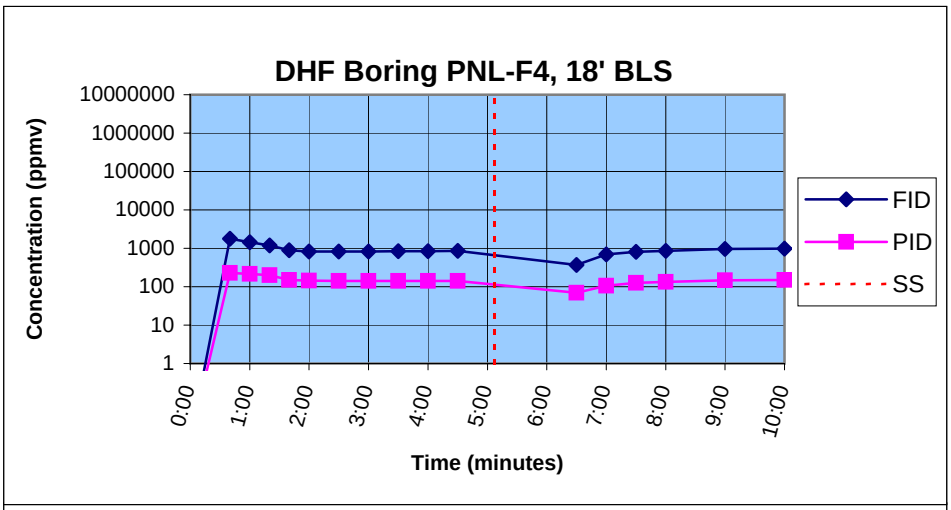


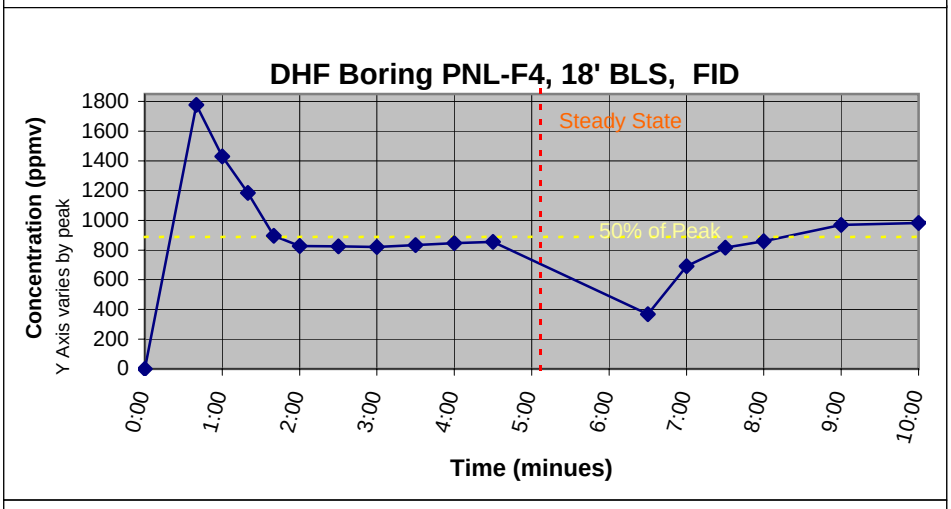


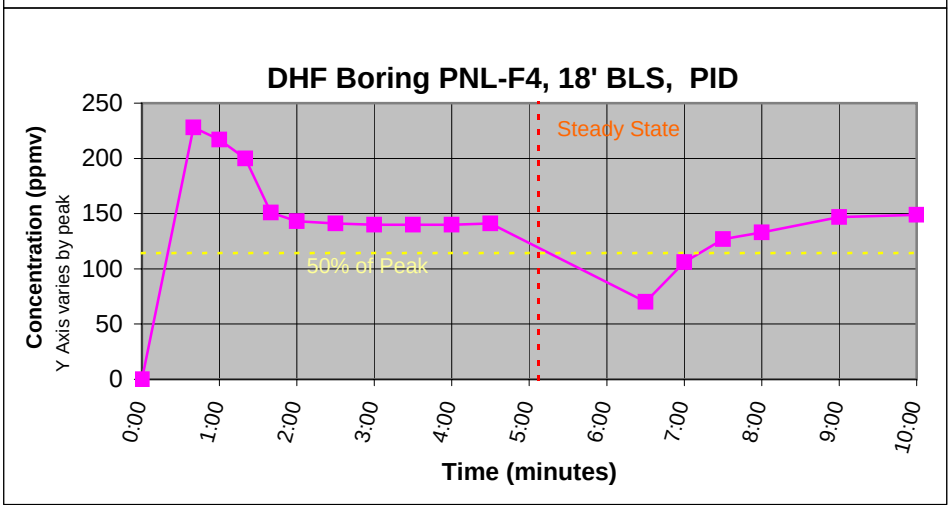


PNL-F4-18'

TIME	FID	PID
0:00	0.01	0.01
0:40	1776	228
1:00	1431	217
1:20	1184	200
1:40	895	151
2:00	828	143
2:30	825	141
3:00	821	140
3:30	834	140
4:00	847	140
4:30	855	141
6:30	369	70
7:00	692	106
7:30	816	127
8:00	860	133
9:00	969	147
10:00	983	149
10:30	1015	152
11:00	1030	155
11:30	1056	157
12:00	1069	159
12:30	1070	160
Peak	1776	228
SS Value	700	120
SS % Pk	39%	53%



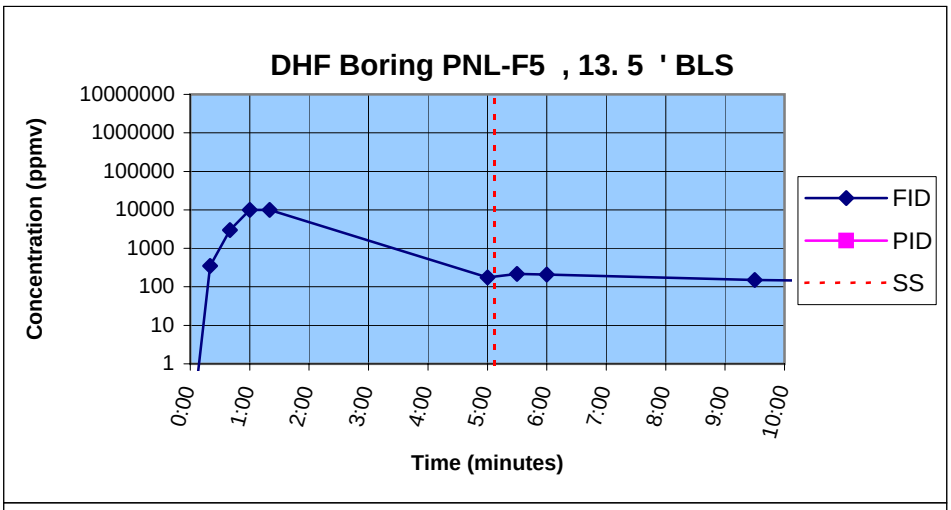


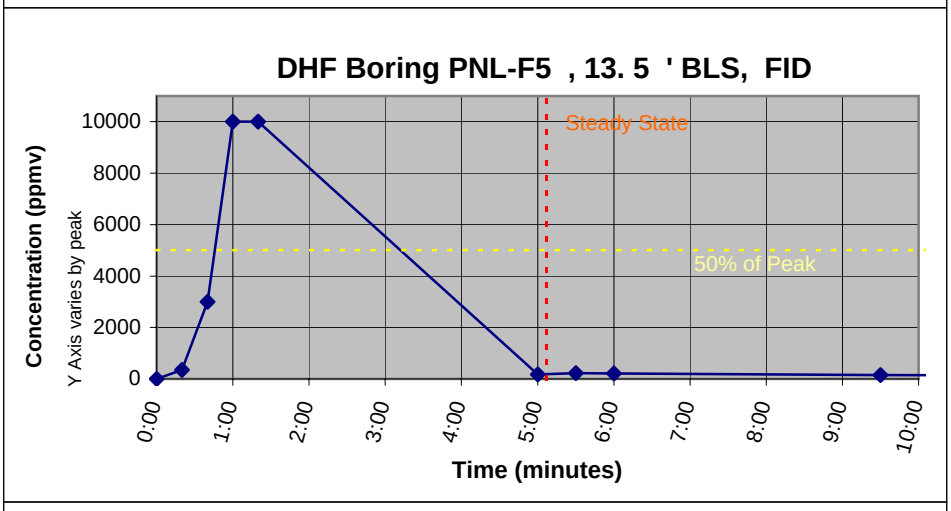


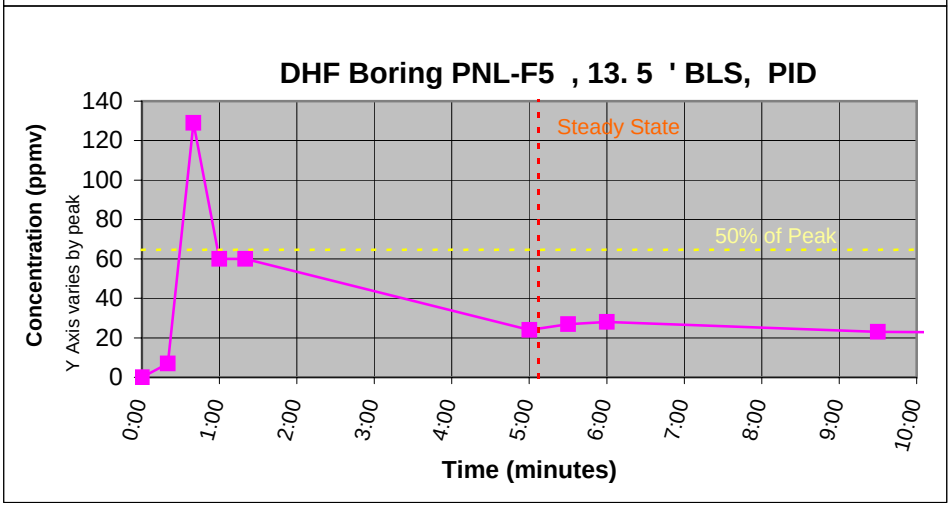
PNL-F5 -13. 5'

TIME	FID	PID
0:00	0.01	0.01
0:20	350	7
0:40	3000	129
1:00	10000	60
1:20	10000	60
5:00	175	24
5:30	218	27
6:00	209	28
9:30	150	23
18:40	102	21

Peak	10000	129
SS Value	175	24
SS % Pk	2%	19%



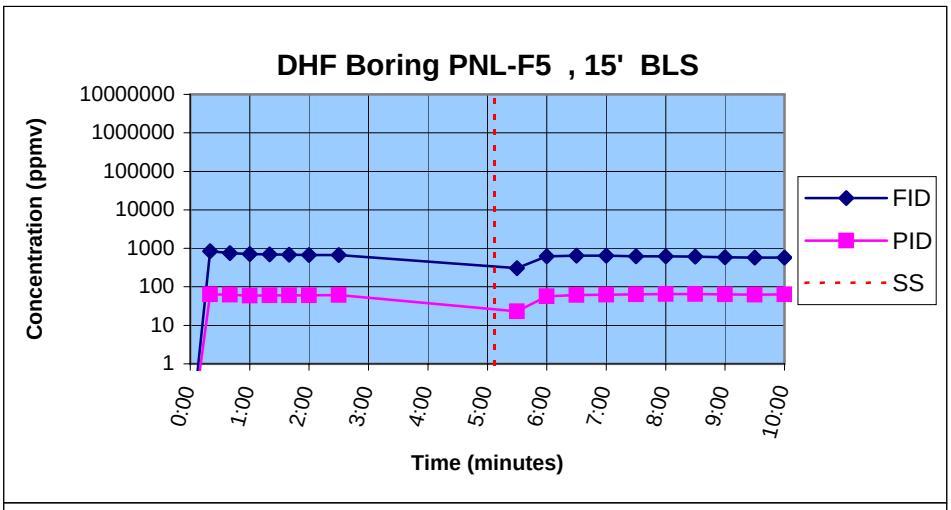


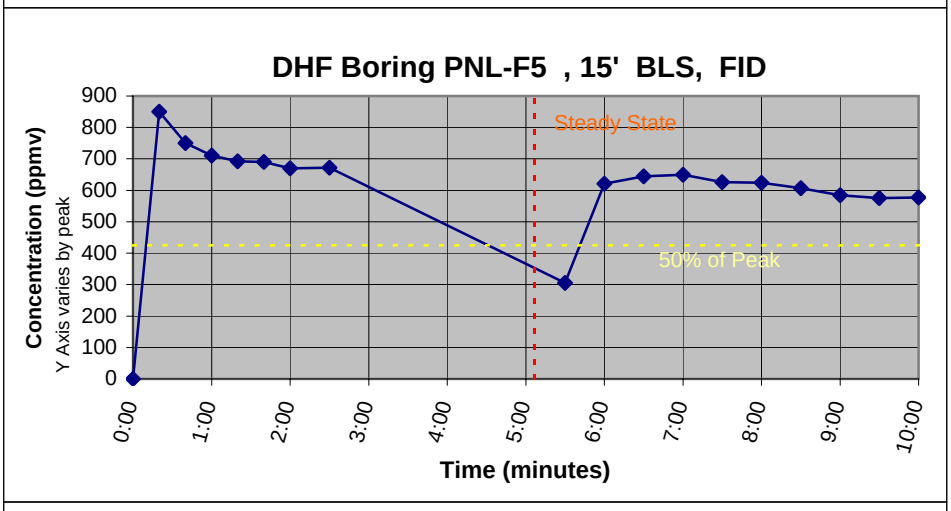


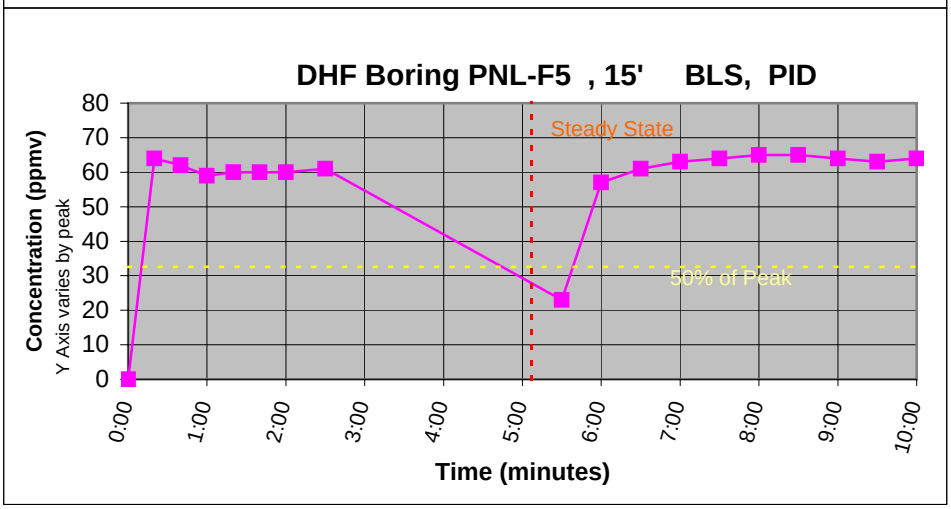
PNL-F5 -15'

TIME	FID	PID
0:00	0.01	0.01
0:20	850	64
0:40	750	62
1:00	711	59
1:20	692	60
1:40	690	60
2:00	670	60
2:30	672	61
5:30	305	23
6:00	621	57
6:30	644	61
7:00	650	63
7:30	626	64
8:00	624	65
8:30	607	65
9:00	584	64
9:30	575	63
10:00	577	64

Peak	850	65
SS Value	350	28
SS % Pk	41%	43%



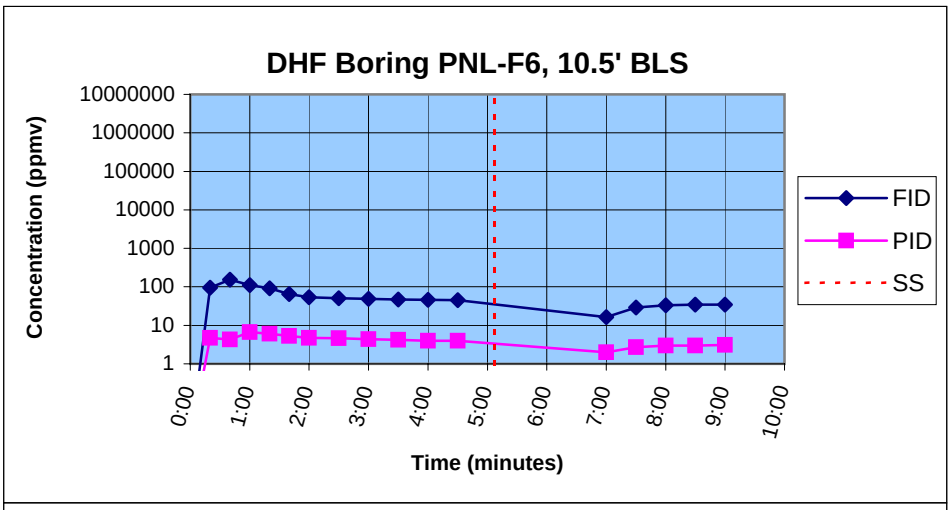


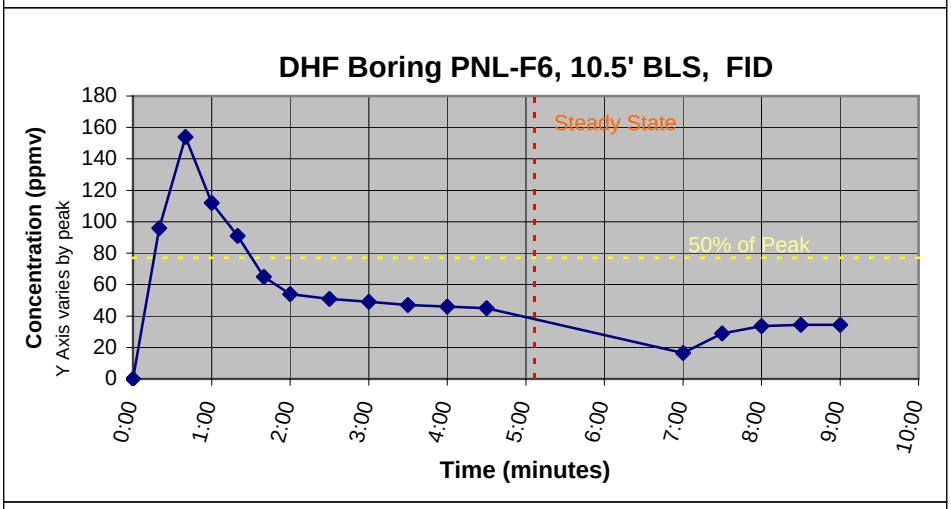


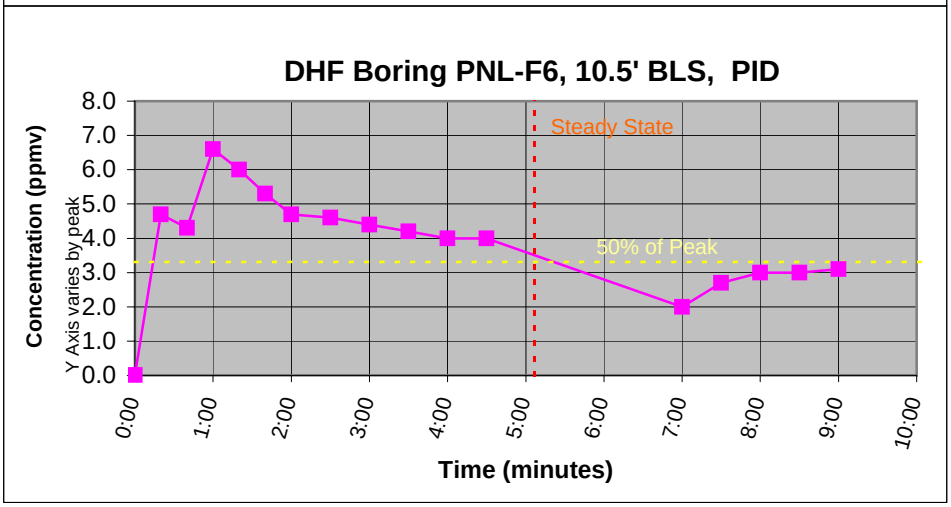
PNL-F6-10.5'

TIME	FID	PID
0:00	0.01	0.0
0:20	96	4.7
0:40	154	4.3
1:00	112	6.6
1:20	91	6.0
1:40	65	5.3
2:00	54	4.7
2:30	51	4.6
3:00	49	4.4
3:30	47	4.2
4:00	46	4.0
4:30	45	4.0
7:00	16.5	2.0
7:30	28.9	2.7
8:00	33.5	3.0
8:30	34.5	3.0
9:00	34.5	3.1

Peak	154	7
SS Value	39	3.5
SS % Pk	25%	53%



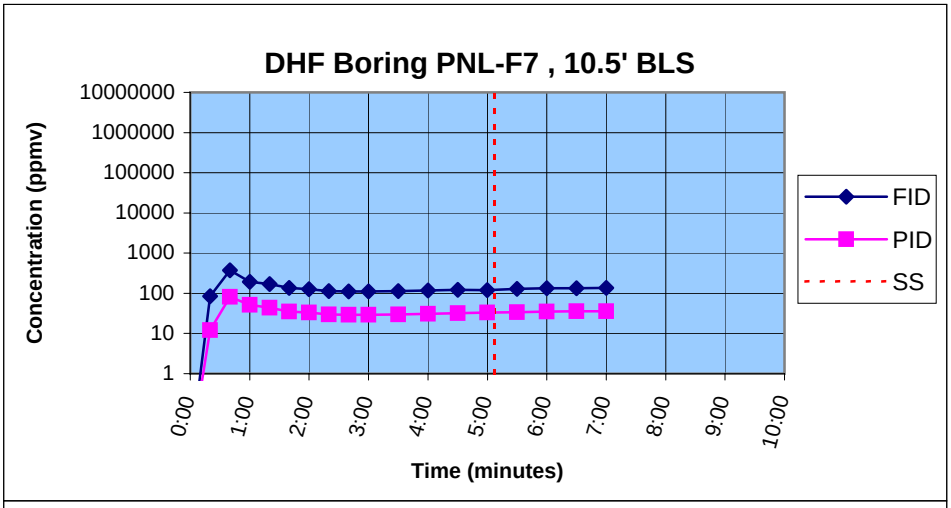


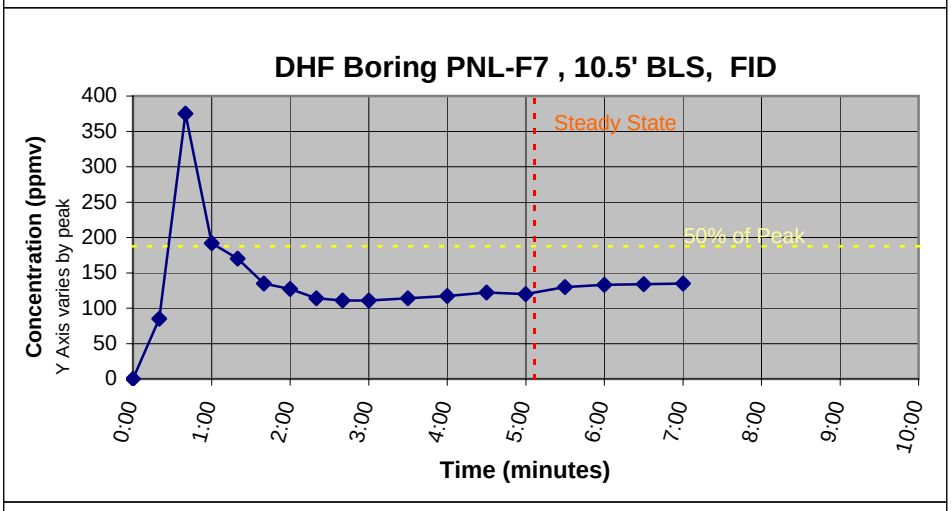


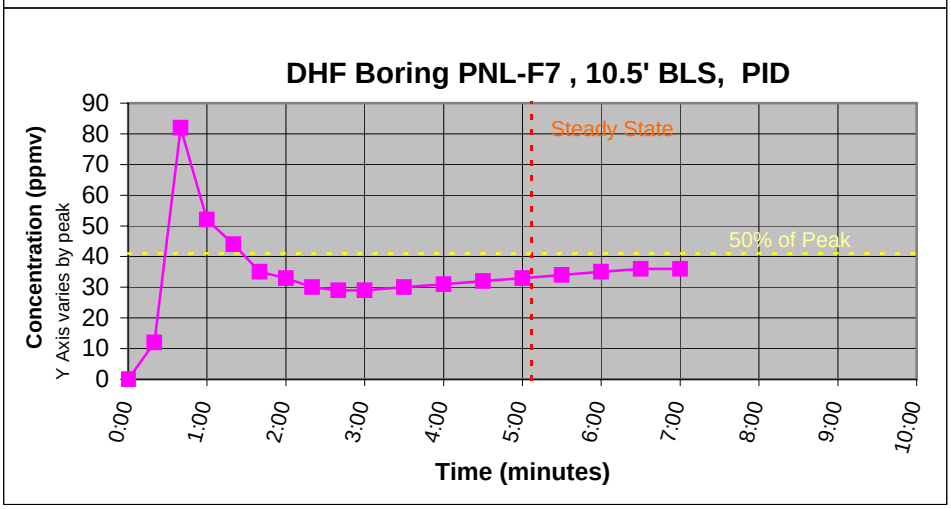
PNL-F7 -10.5'

TIME	FID	PID
0:00	0.01	0.01
0:20	85	12
0:40	375	82
1:00	192	52
1:20	170	44
1:40	135	35
2:00	127	33
2:20	114	30
2:40	111	29
3:00	111	29
3:30	114	30
4:00	117	31
4:30	122	32
5:00	120	33
5:30	130	34
6:00	133	35
6:30	134	36
7:00	135	36

Peak	375	82
SS Value	120	33
SS % Pk	32%	40%

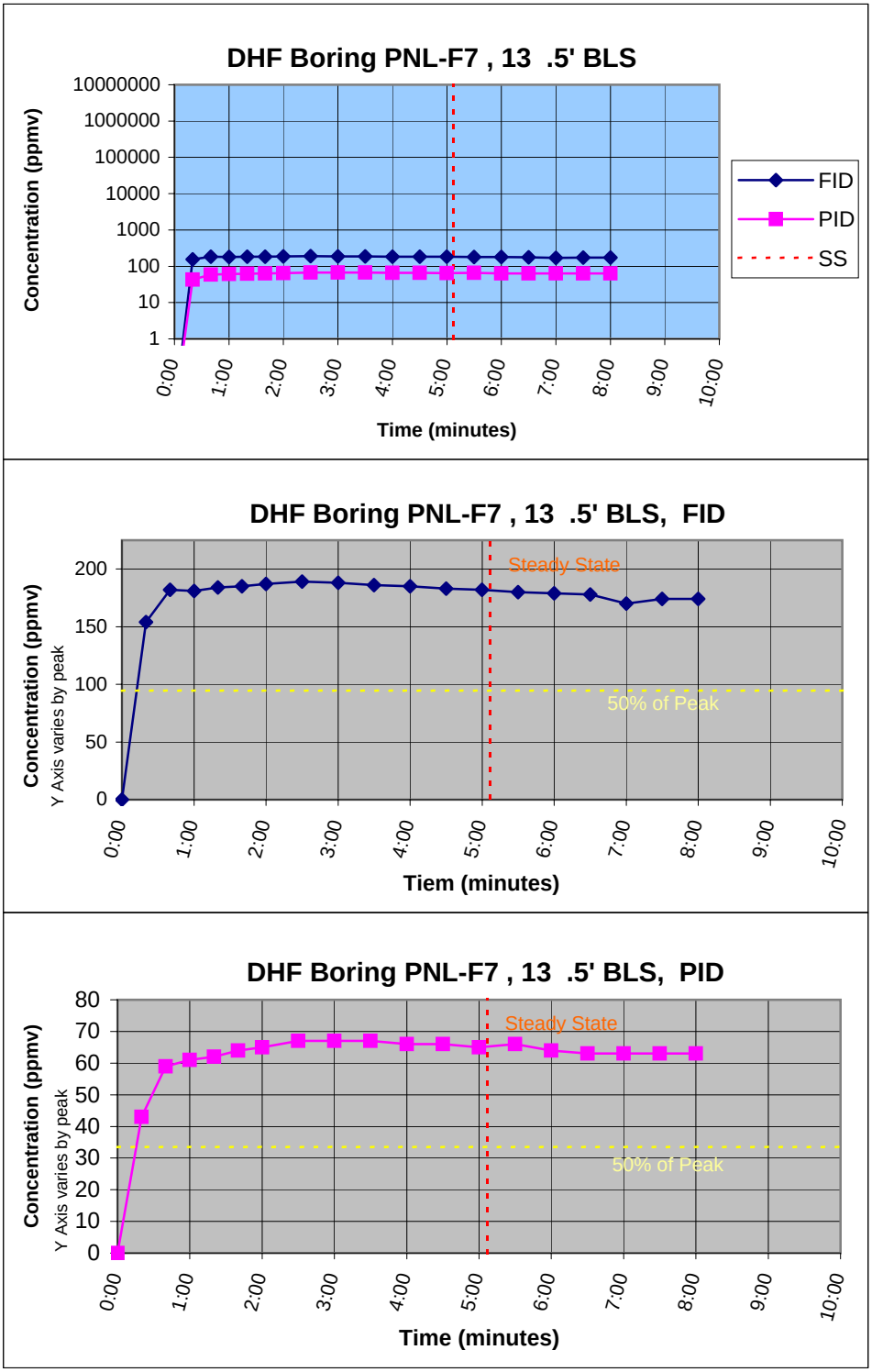






PNL-F7 -13 .5'

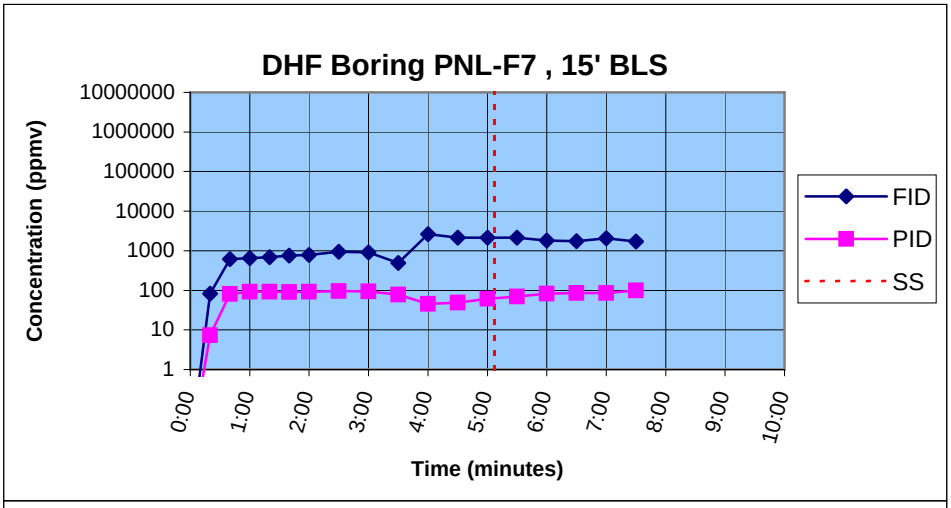
TIME	FID	PID
0:00	0.01	0.01
0:20	154	43
0:40	182	59
1:00	181	61
1:20	184	62
1:40	185	64
2:00	187	65
2:30	189	67
3:00	188	67
3:30	186	67
4:00	185	66
4:30	183	66
5:00	182	65
5:30	180	66
6:00	179	64
6:30	178	63
7:00	170	63
7:30	174	63
8:00	174	63
Peak	189	67
SS Value	182	65
SS % Pk	96%	97%

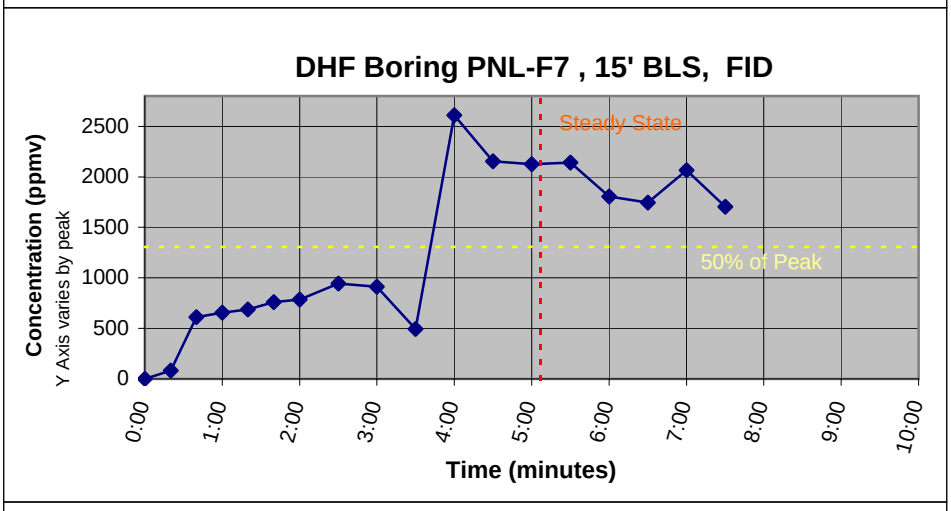


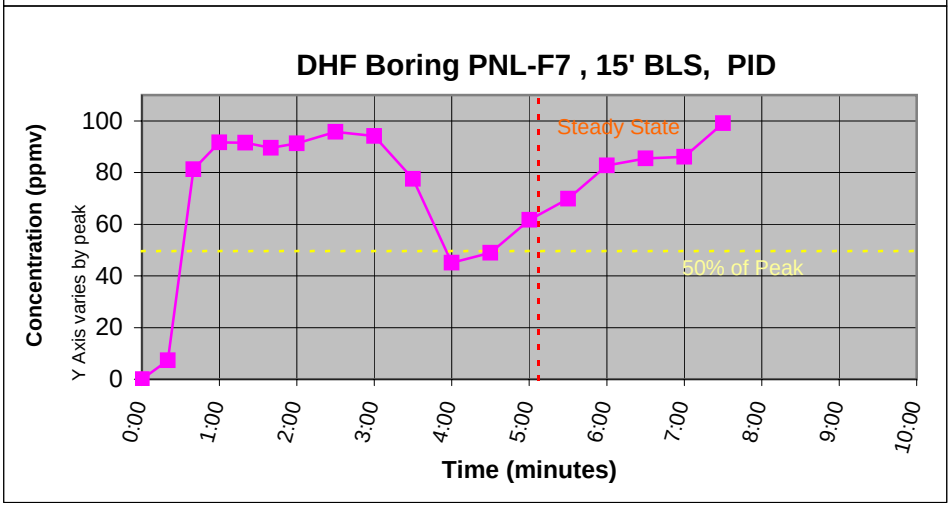
PNL-F7 -15'

TIME	FID	PID
0:00	0.01	0.01
0:20	82	7.3
0:40	610	81.2
1:00	656	91.7
1:20	686	91.5
1:40	759	89.6
2:00	785	91.3
2:30	945	95.7
3:00	911	94.2
3:30	495	77.5
4:00	2610	45.1
4:30	2153	48.9
5:00	2125	61.7
5:30	2140	69.9
6:00	1805	82.8
6:30	1745	85.5
7:00	2065	86.1
7:30	1703	99.1

Peak	2610	99
SS Value	2125	62
SS % Pk	81%	62%



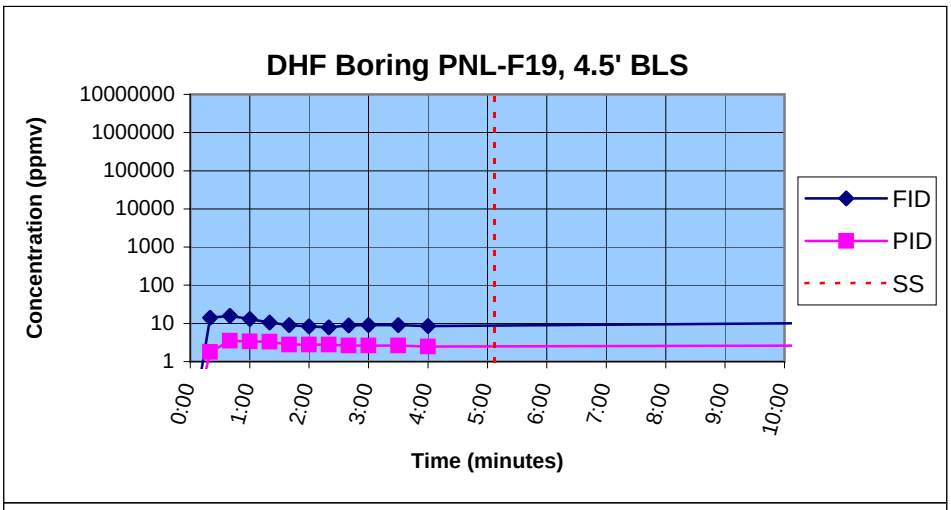


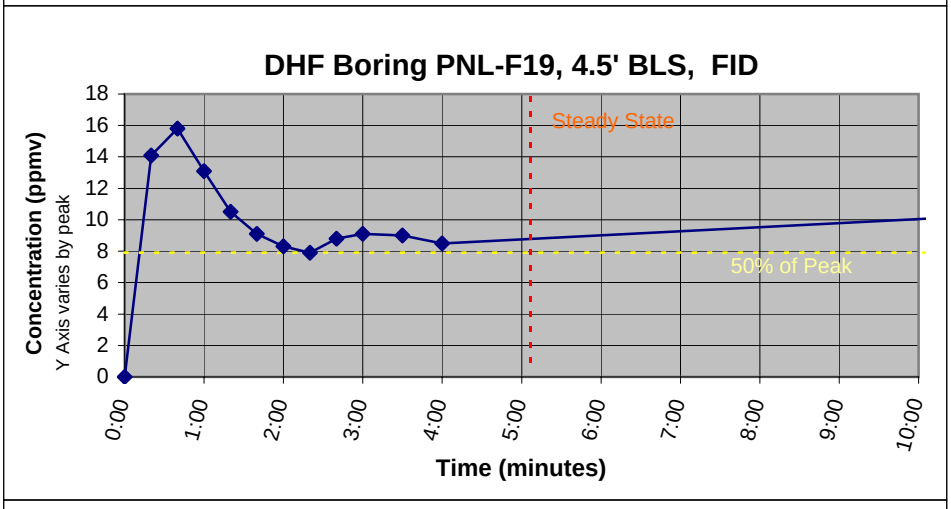


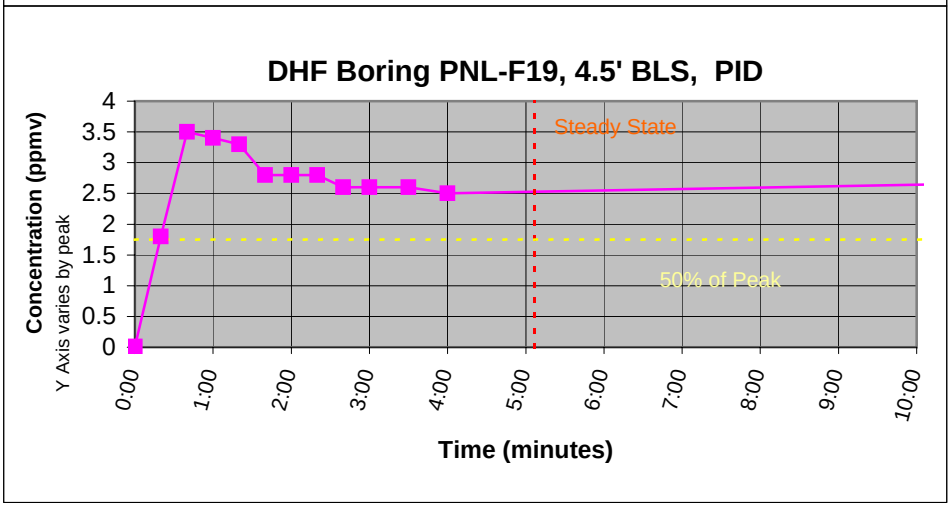
PNL-F19-4.5'

TIME	FID	PID
0:00	0.01	0.01
0:20	14.1	1.8
0:40	15.8	3.5
1:00	13.1	3.4
1:20	10.5	3.3
1:40	9.1	2.8
2:00	8.3	2.8
2:20	7.9	2.8
2:40	8.8	2.6
3:00	9.1	2.6
3:30	9	2.6
4:00	8.5	2.5
12:30	10.7	2.7
13:00	9.2	2.5
17:00	3.6	1.1
17:30	3.4	0.9

Peak	16	4
SS Value	9	3
SS % Pk	57%	71%



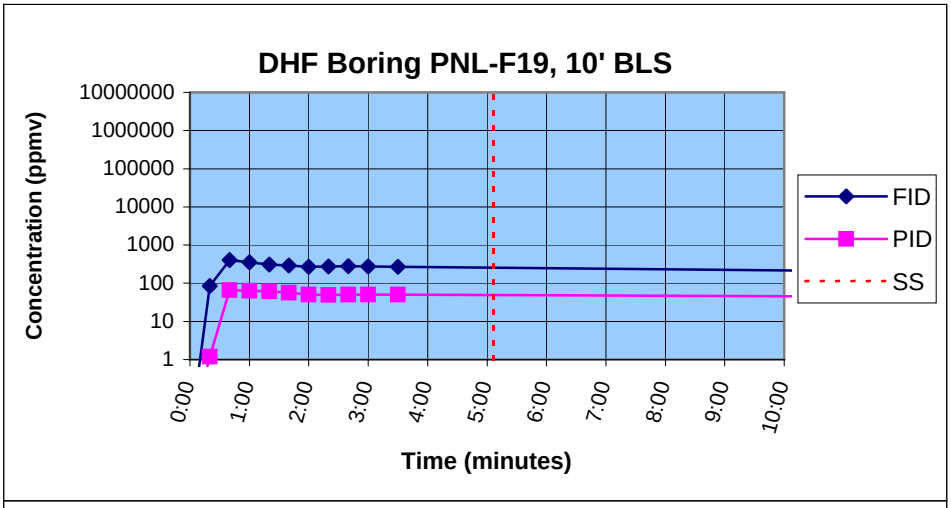


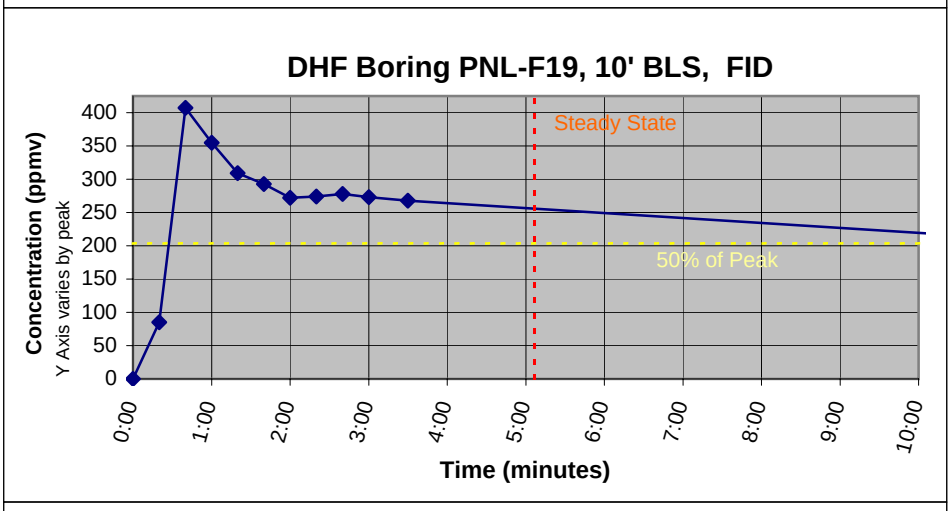


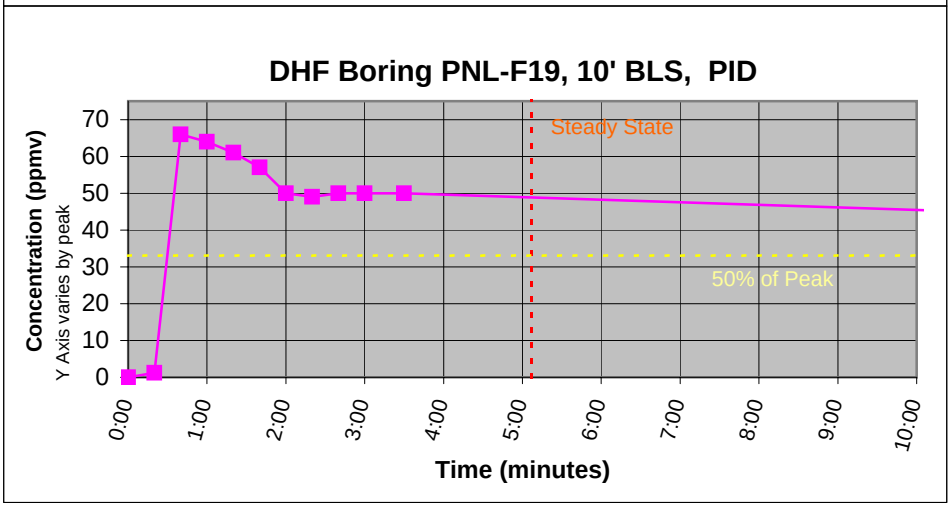
PNL-F19-10'

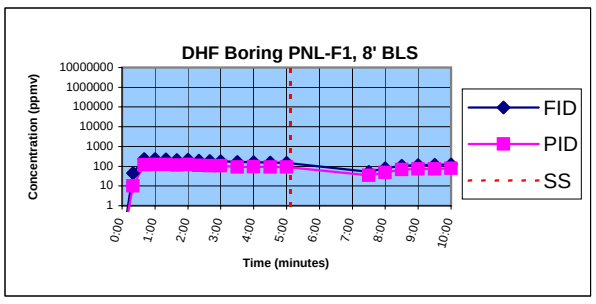
TIME	FID	PID
0:00	0.01	0.01
0:20	85	1.2
0:40	407	66
1:00	355	64
1:20	309	61
1:40	293	57
2:00	272	50
2:20	274	49
2:40	278	50
3:00	273	50
3:30	268	50
15:00	182	42
15:30	169	42
18:00	83	21.5
18:30	119	32
19:00	134	36

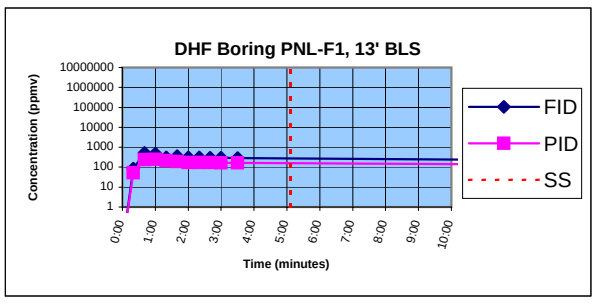
Peak	407	66
SS Value	255	49
SS % Pk	63%	74%

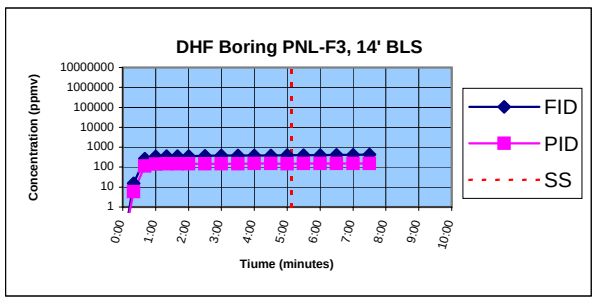


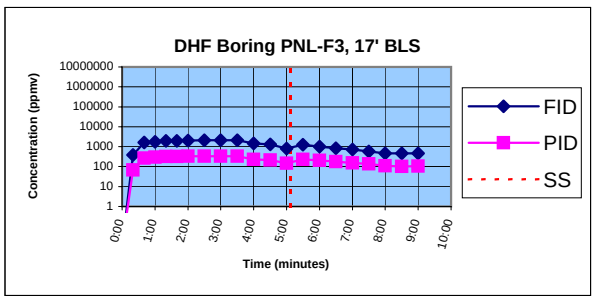


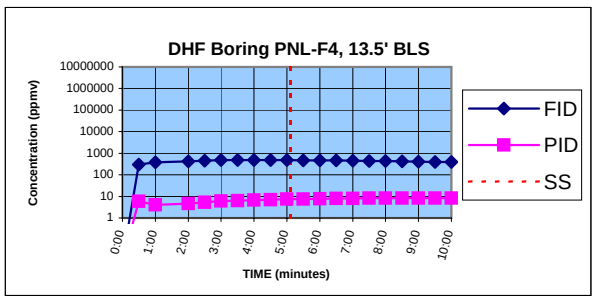


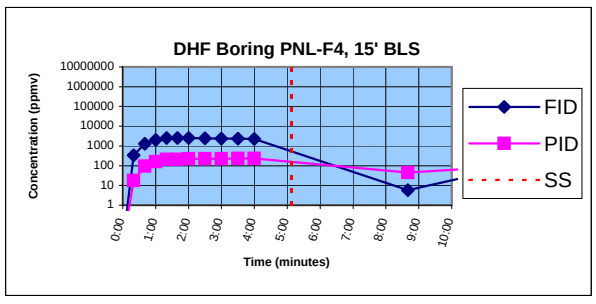

DHF Boring PNL-F1, 8' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

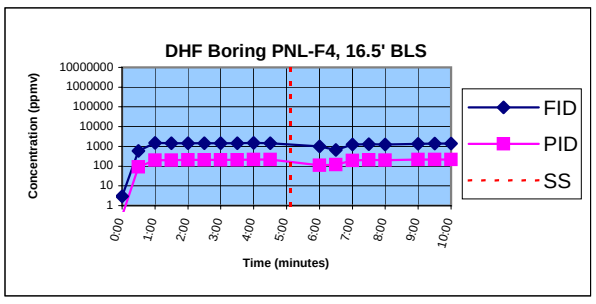

DHF Boring PNL-F1, 13' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

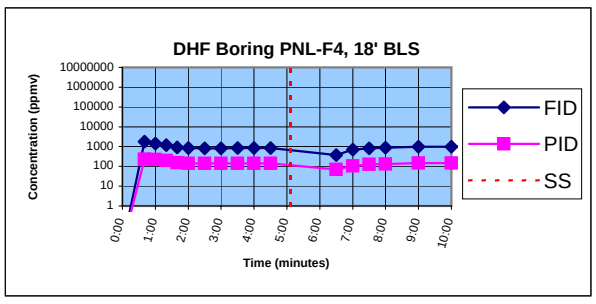

DHF Boring PNL-F3, 14' BLS
Concentration (ppmv)
Tiume (minutes)
FID
PID
SS

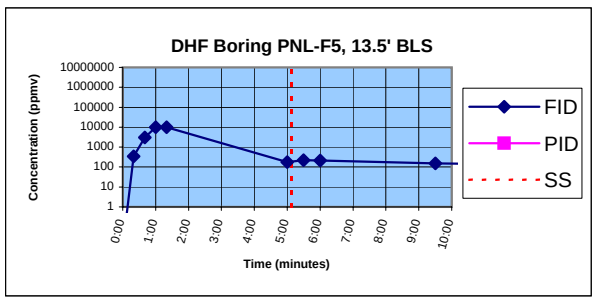

DHF Boring PNL-F3, 17' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

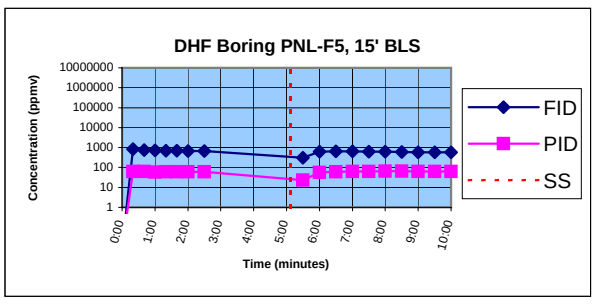

DHF Boring PNL-F4, 13.5' BLS
Concentration (ppmv)
TIME (minutes)
FID
PID
SS

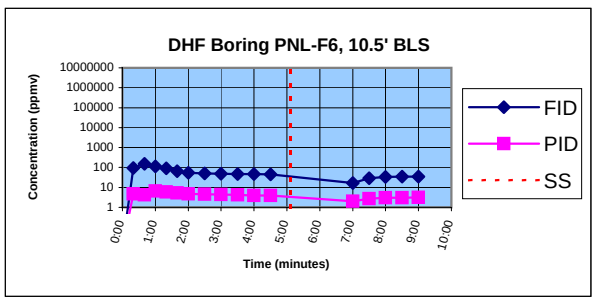

DHF Boring PNL-F4, 15' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

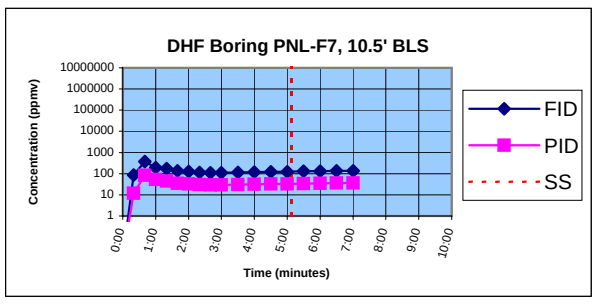

DHF Boring PNL-F4, 16.5' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

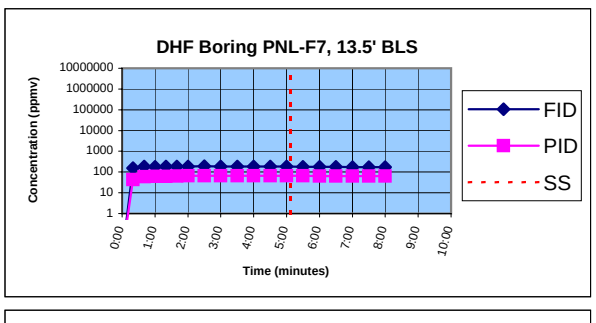

DHF Boring PNL-F4, 18' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

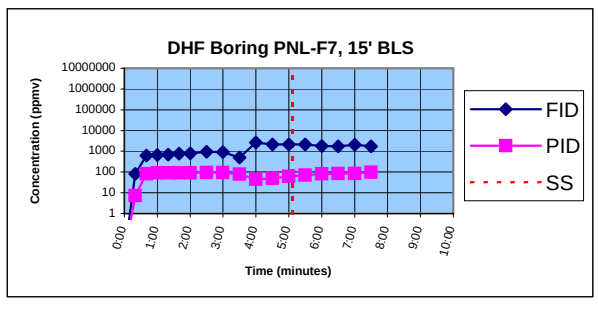

DHF Boring PNL-F5, 13.5' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

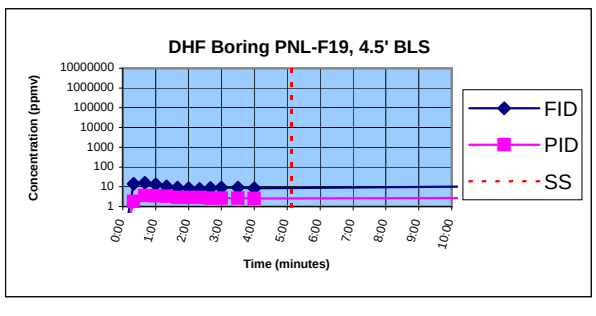

DHF Boring PNL-F5, 15' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

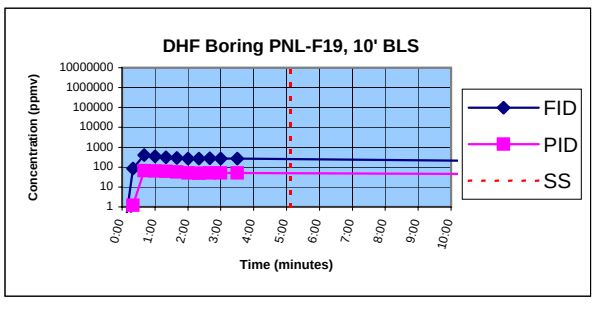

DHF Boring PNL-F6, 10.5' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS


DHF Boring PNL-F7, 10.5' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS


DHF Boring PNL-F7, 13.5' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS


DHF Boring PNL-F7, 15' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

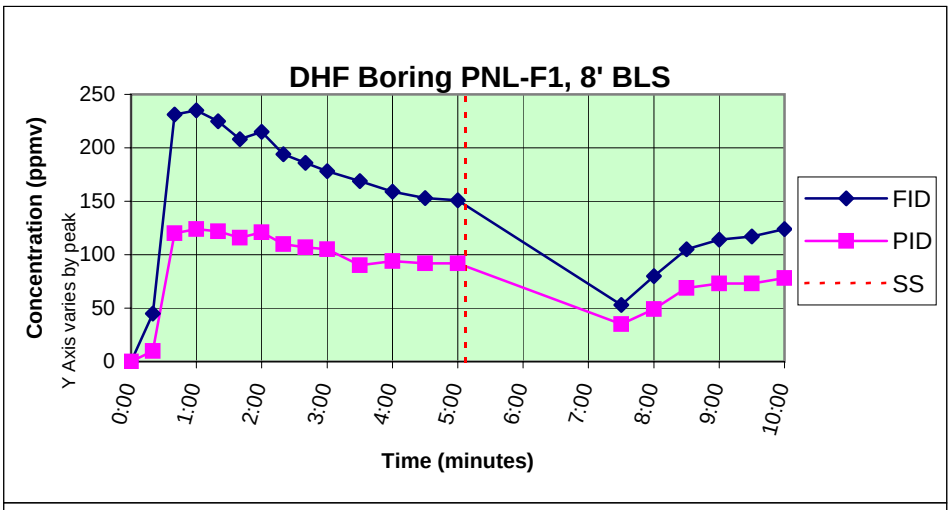

DHF Boring PNL-F19, 4.5' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

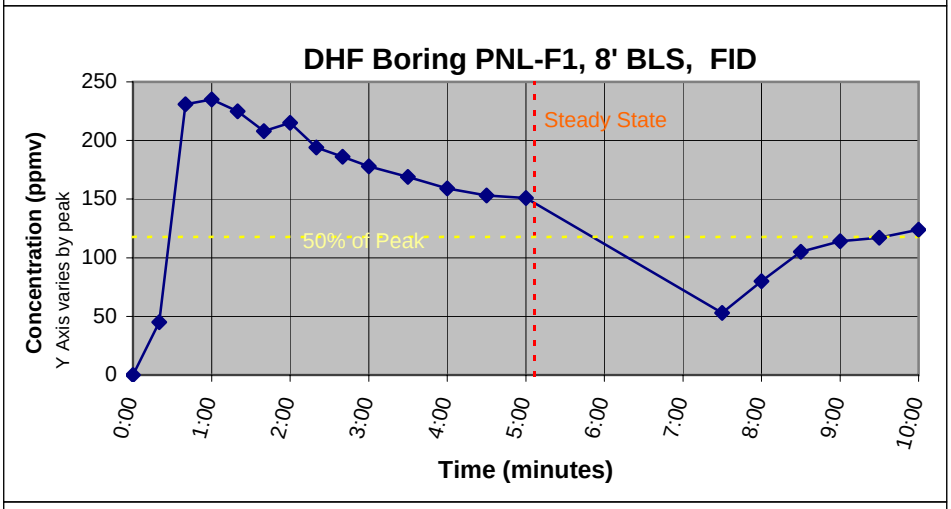

DHF Boring PNL-F19, 10' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

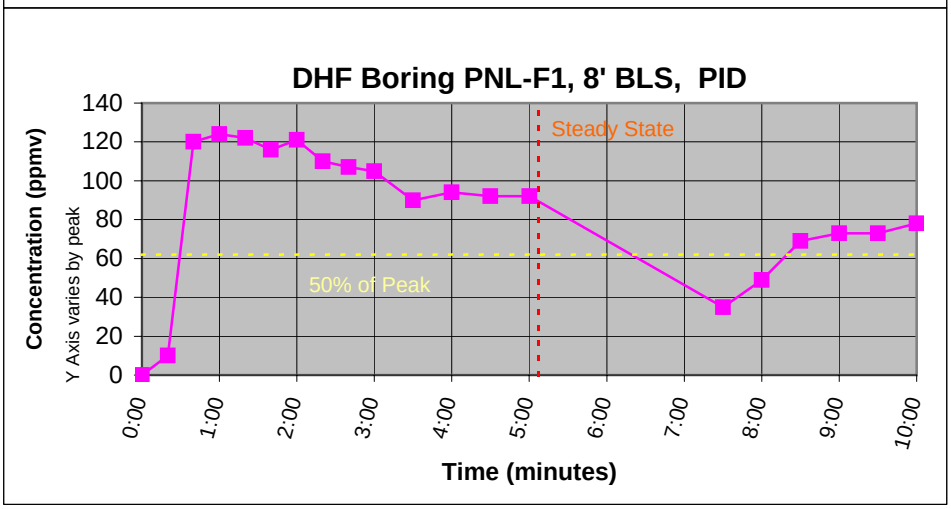
PNL-F1-8'

TIME	FID	PID
0:00	0	0
0:20	45	10
0:40	231	120
1:00	235	124
1:20	225	122
1:40	208	116
2:00	215	121
2:20	194	110
2:40	186	107
3:00	178	105
3:30	169	90
4:00	159	94
4:30	153	92
5:00	151	92
7:30	53	35
8:00	80	49
8:30	105	69
9:00	114	73
9:30	117	73
10:00	124	78

Peak	235	124
SS Value	151	92
SS % Pk	64%	74%



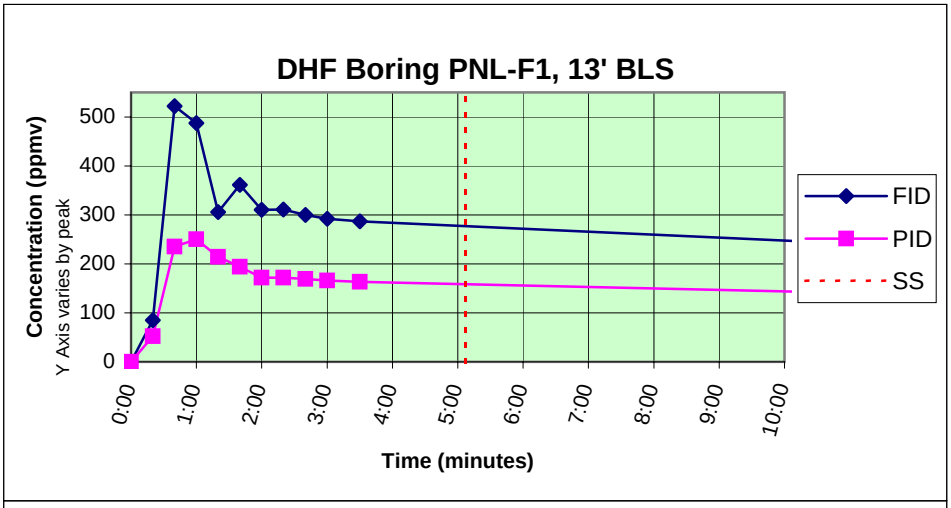


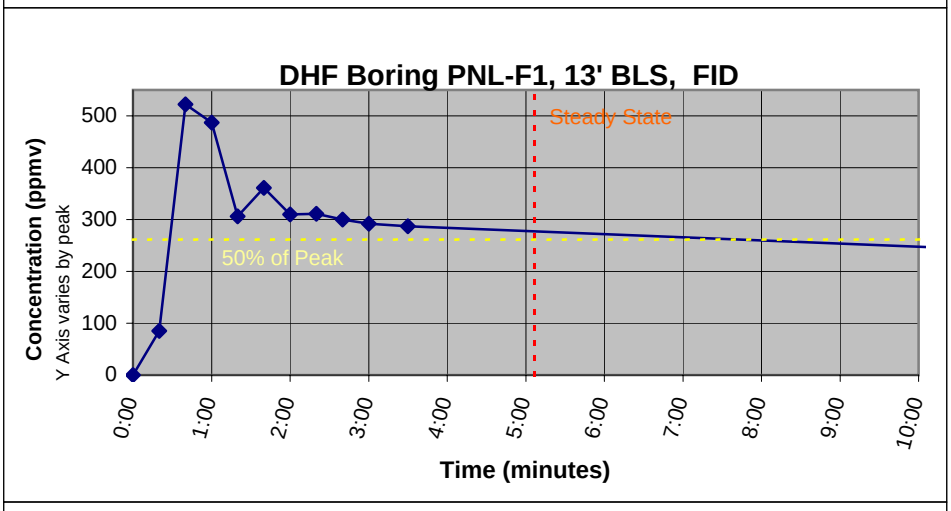


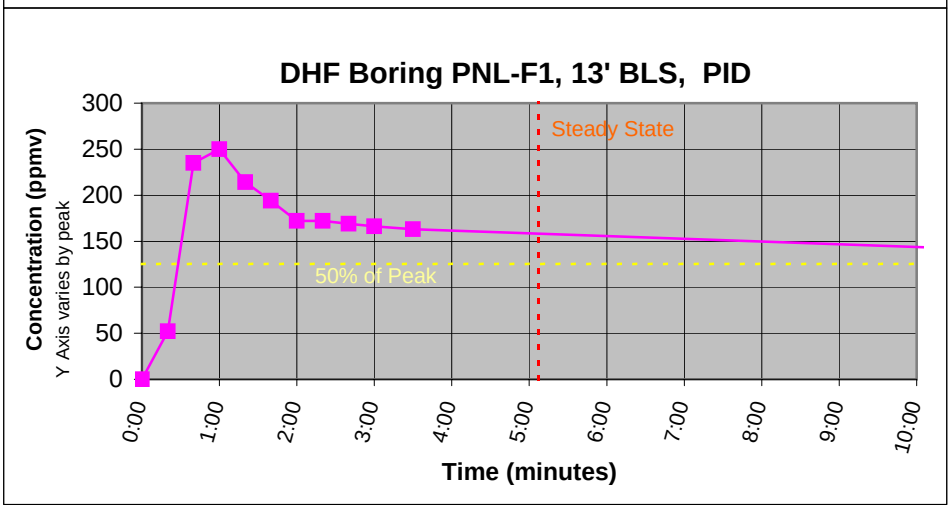
PNL-F1-13'

TIME	FID	PID
0:00	0	0
0:20	85	52
0:40	522	235
1:00	487	250
1:20	306	214
1:40	361	194
2:00	310	172
2:20	311	172
2:40	300	169
3:00	292	166
3:30	287	163
22:00	175	108
22:30	132	85
23:00	139	89
24:00	178	112

Peak	522	250
SS Value	280	155
SS % Pk	54%	62%



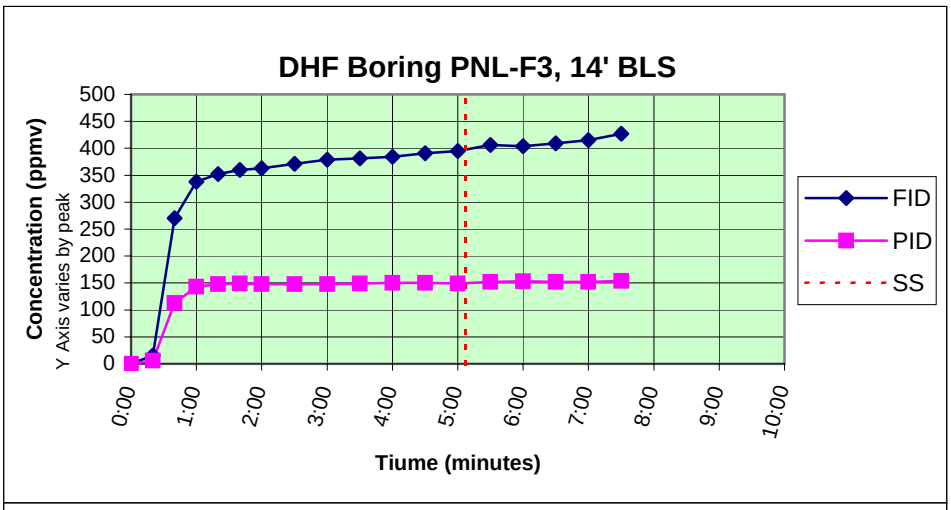


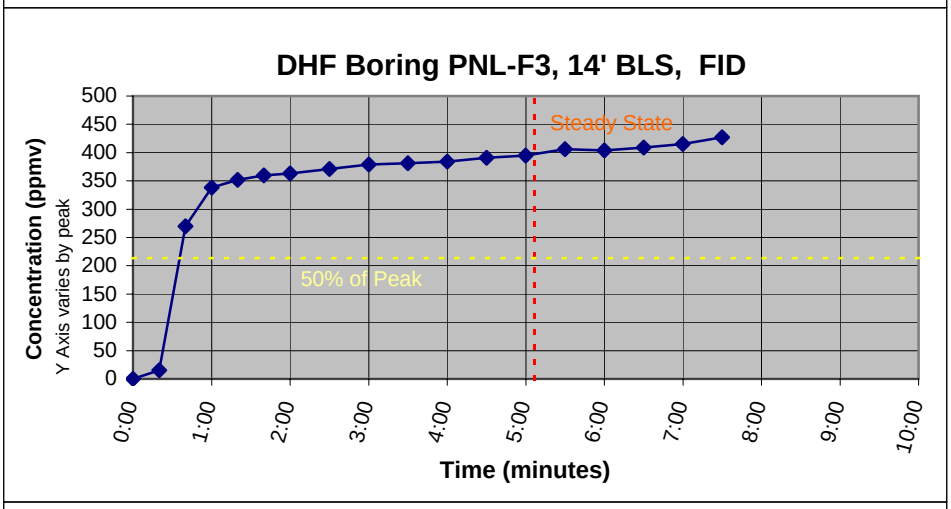


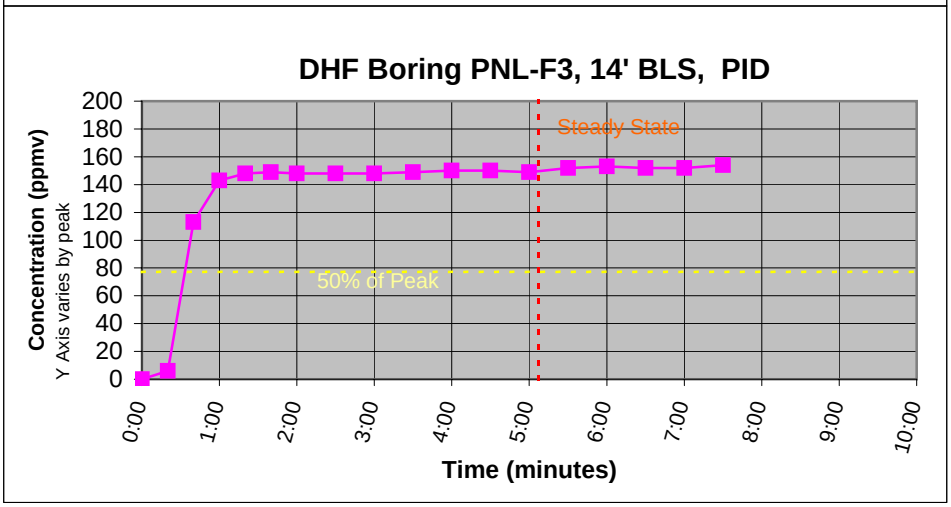
PNL-F3-14'

TIME	FID	PID
0:00	0	0
0:20	15.3	6
0:40	270	113
1:00	338	143
1:20	352	148
1:40	360	149
2:00	363	148
2:30	371	148
3:00	379	148
3:30	381	149
4:00	384	150
4:30	391	150
5:00	395	149
5:30	406	152
6:00	404	153
6:30	409	152
7:00	415	152
7:30	427	154

Peak	427	154
SS Value	395	149
SS % Pk	93%	97%

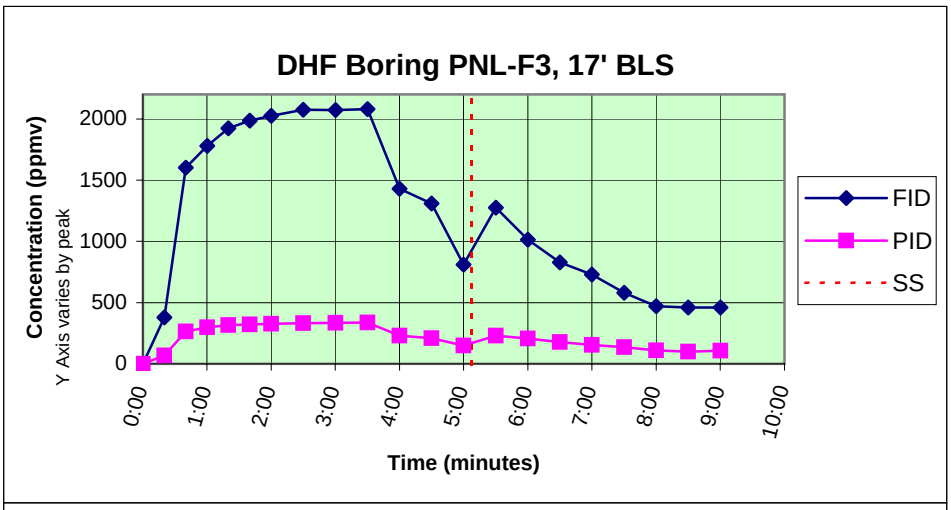


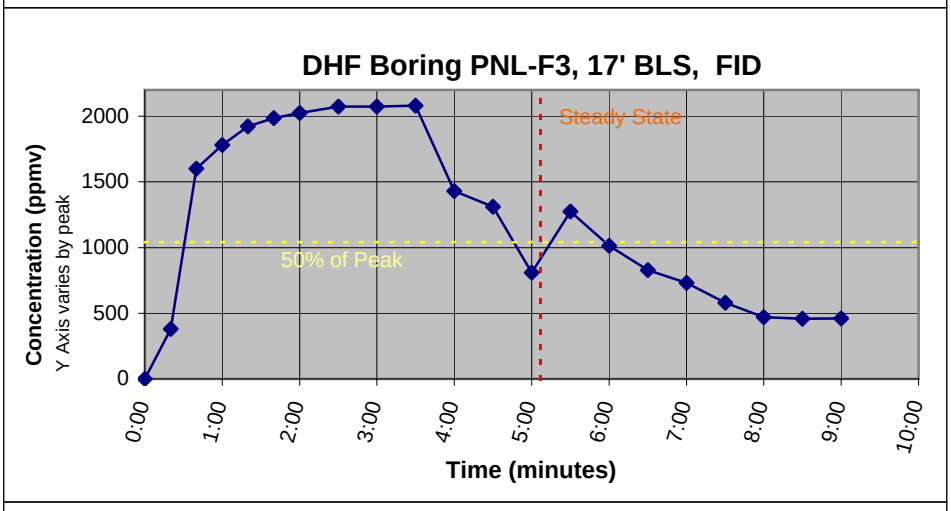


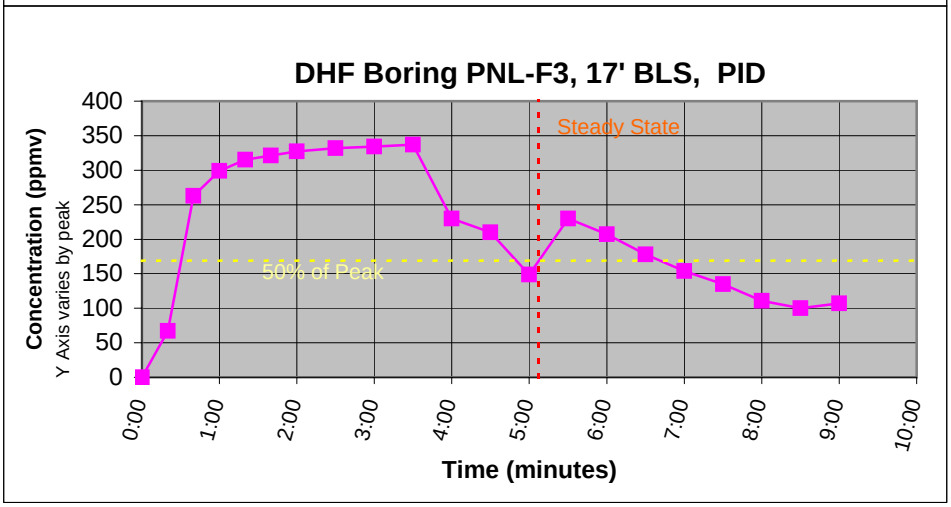


PNL-F3-17'

TIME	FID	PID
0:00	0	0
0:20	380	67
0:40	1601	263
1:00	1780	299
1:20	1923	315
1:40	1986	321
2:00	2024	327
2:30	2074	332
3:00	2073	334
3:30	2081	337
4:00	1430	230
4:30	1310	210
5:00	810	149
5:30	1274	230
6:00	1014	207
6:30	828	178
7:00	730	154
7:30	581	135
8:00	470	111
8:30	459	100
9:00	460	107
Peak	2081	337
SS Value	810	149
SS % Pk	39%	44%

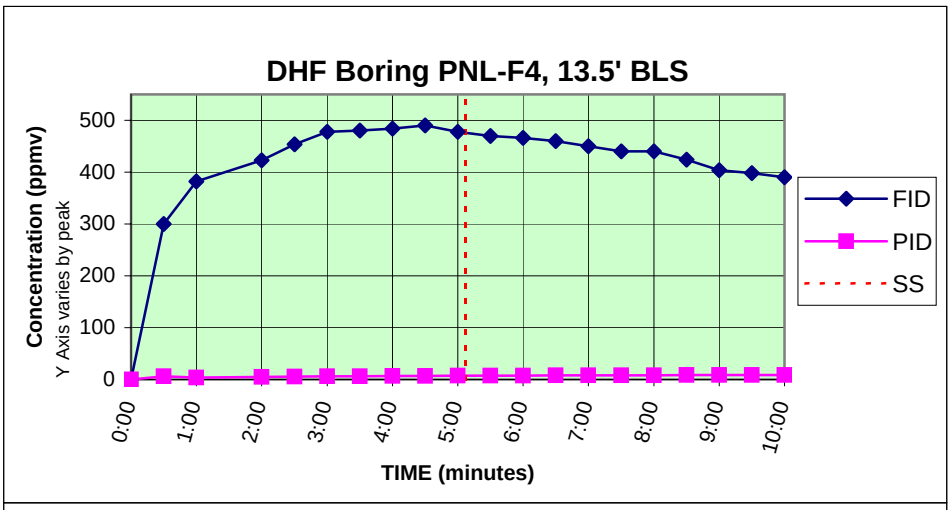


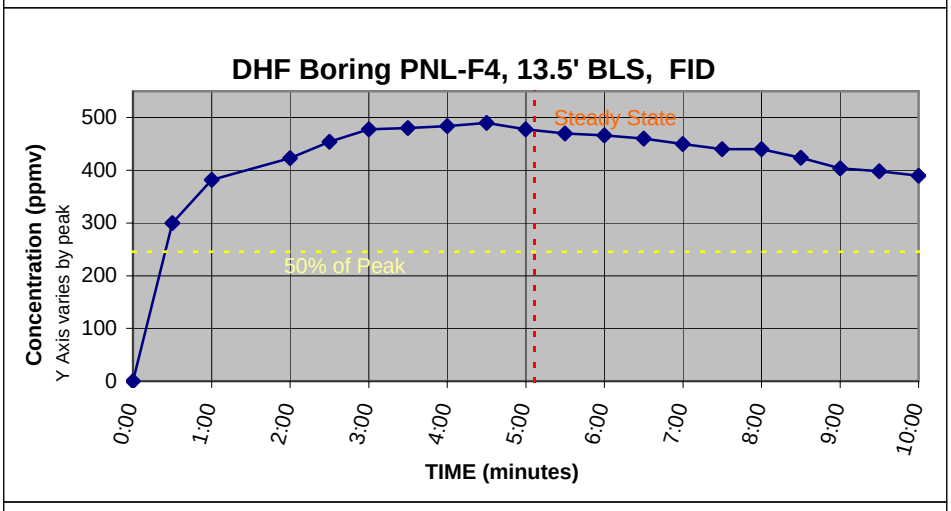


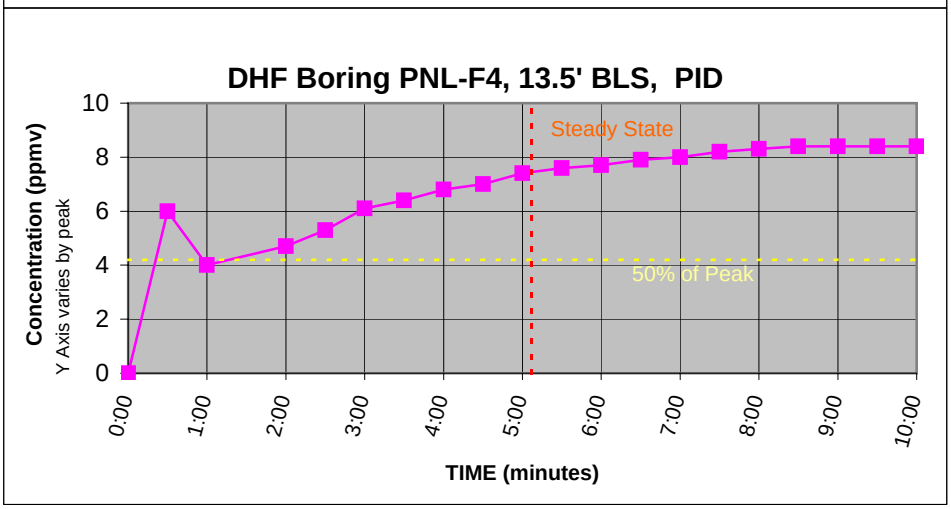


PNL-F4-13.5'

TIME	FID	PID
0:00	0	0
0:30	300	6
1:00	382	4
2:00	423	4.7
2:30	454	5.3
3:00	478	6.1
3:30	480	6.4
4:00	484	6.8
4:30	490	7
5:00	478	7.4
5:30	470	7.6
6:00	466	7.7
6:30	460	7.9
7:00	450	8
7:30	440	8.2
8:00	440	8.3
8:30	424	8.4
9:00	404	8.4
9:30	398	8.4
10:00	390	8.4
Peak	490	8.4
SS Value	478	7.4
SS % Pk	98%	88%

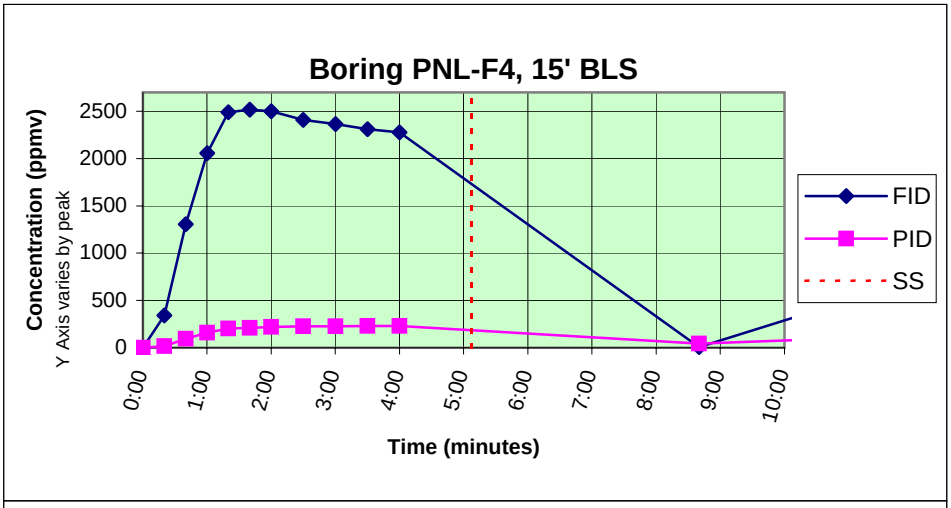


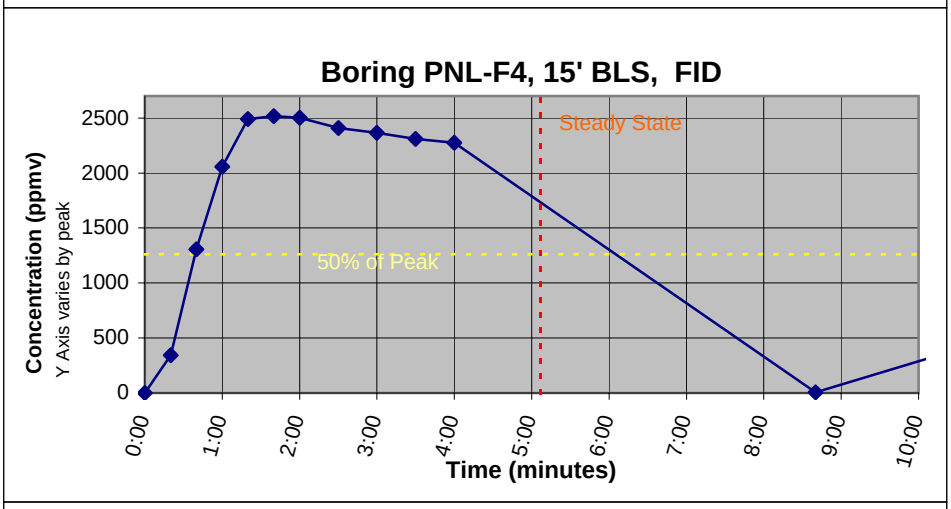


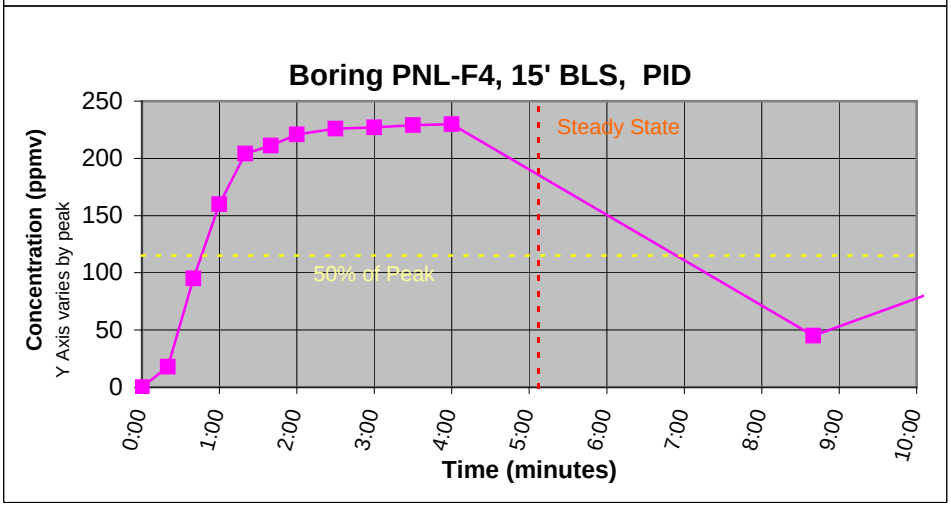


PNL-F4-15'

TIME	FID	PID
0:00	0	0
0:20	343	18
0:40	1305	95
1:00	2056	160
1:20	2490	204
1:40	2518	211
2:00	2501	221
2:30	2408	226
3:00	2365	227
3:30	2311	229
4:00	2276	230
8:40	5.7	45
15:00	1350	200
15:30	1330	210
17:00	1106	180
17:30	1150	208
18:00	1201	216
18:30	1220	220
Peak	2518	230
SS Value	1700	180
SS % Pk	68%	78%

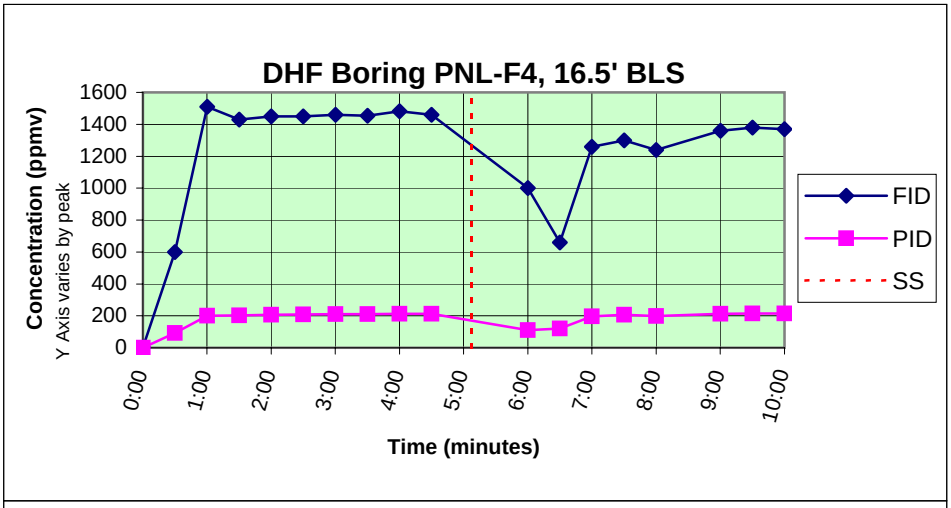


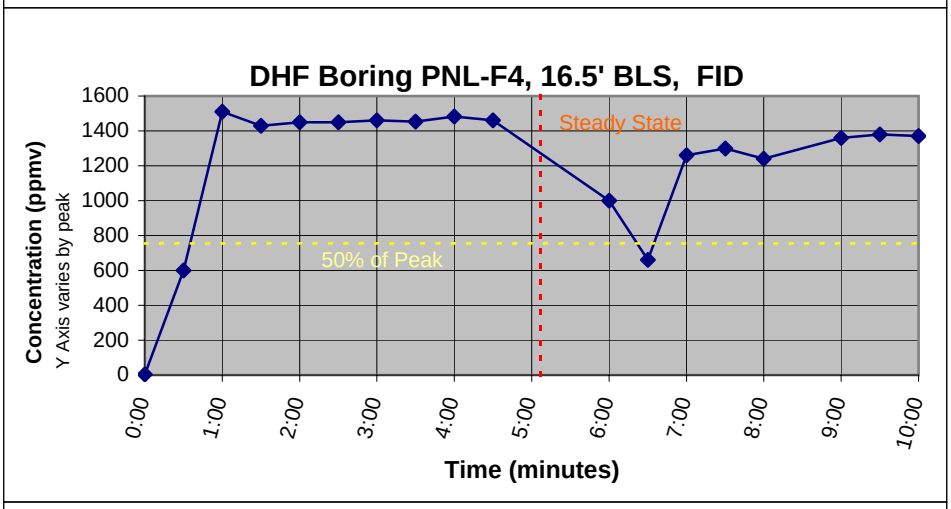


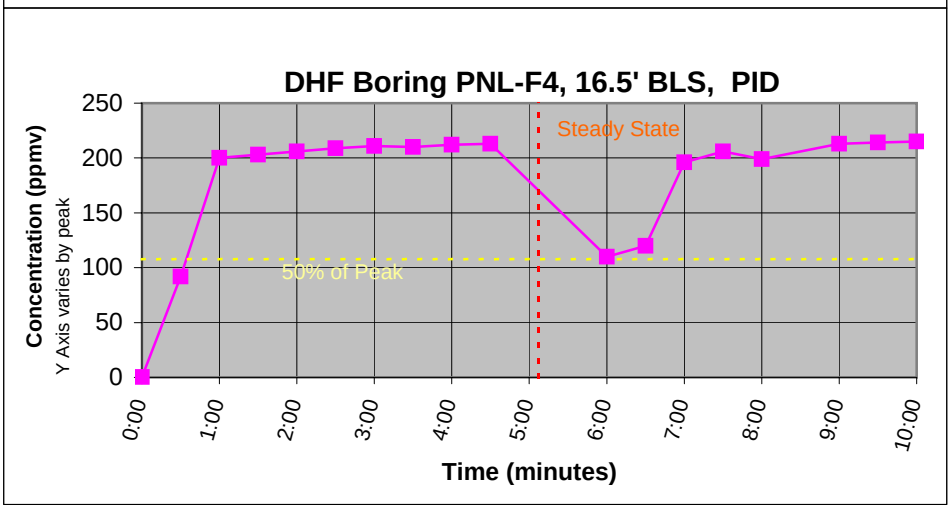


PNL-F4-16.5'

TIME	FID	PID
0:00	3	0.3
0:30	600	92
1:00	1510	200
1:30	1430	203
2:00	1450	206
2:30	1450	209
3:00	1460	211
3:30	1454	210
4:00	1482	212
4:30	1460	213
6:00	1000	110
6:30	660	120
7:00	1260	196
7:30	1300	206
8:00	1240	199
9:00	1360	213
9:30	1380	214
10:00	1370	215
Peak	1510	215
SS Value	1300	175
SS % Pk	86%	81%

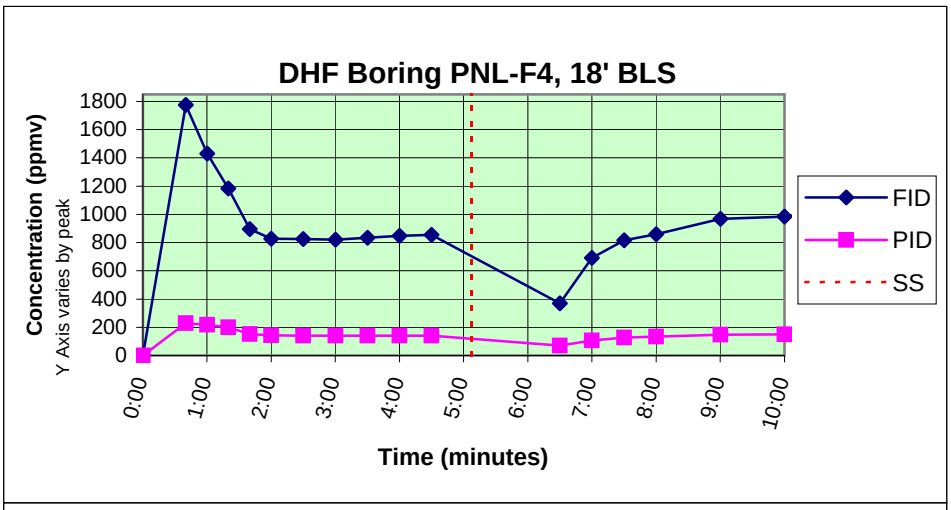


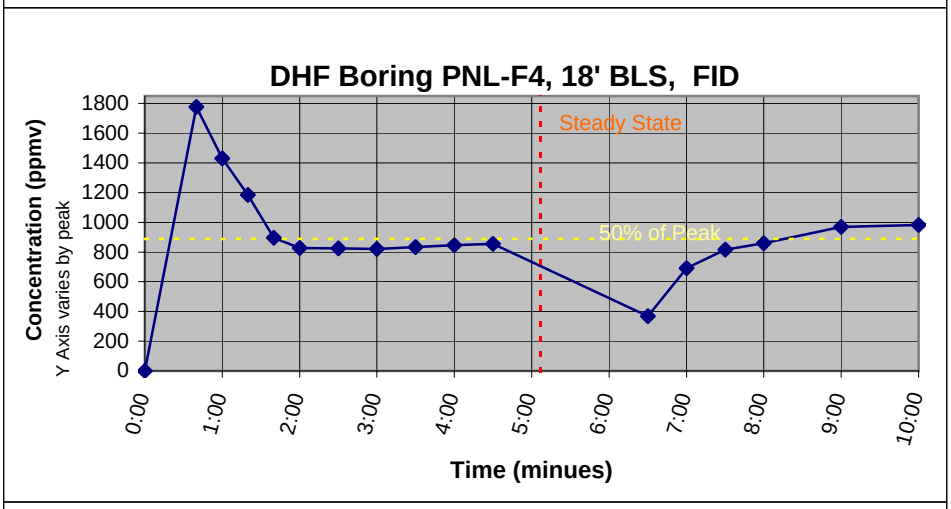


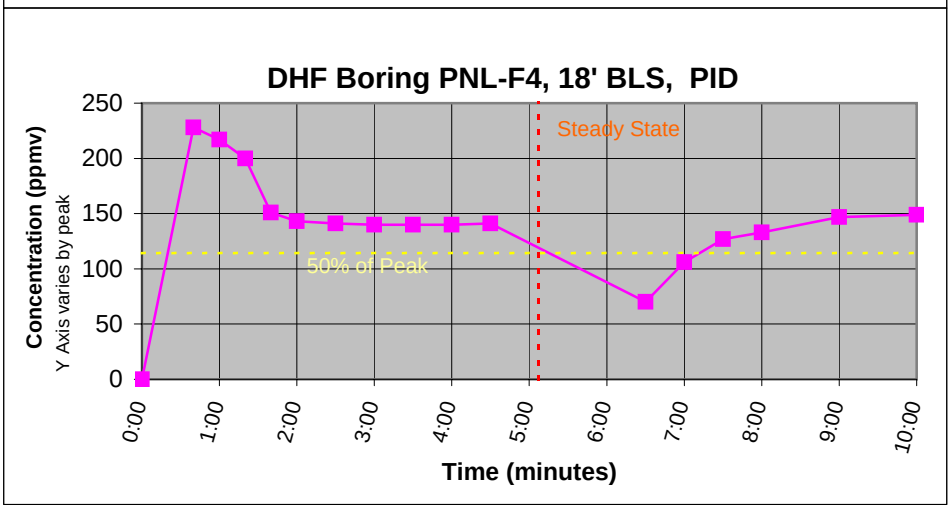


PNL-F4-18'

TIME	FID	PID
0:00	0	0
0:40	1776	228
1:00	1431	217
1:20	1184	200
1:40	895	151
2:00	828	143
2:30	825	141
3:00	821	140
3:30	834	140
4:00	847	140
4:30	855	141
6:30	369	70
7:00	692	106
7:30	816	127
8:00	860	133
9:00	969	147
10:00	983	149
10:30	1015	152
11:00	1030	155
11:30	1056	157
12:00	1069	159
12:30	1070	160
Peak	1776	228
SS Value	700	120
SS % Pk	39%	53%

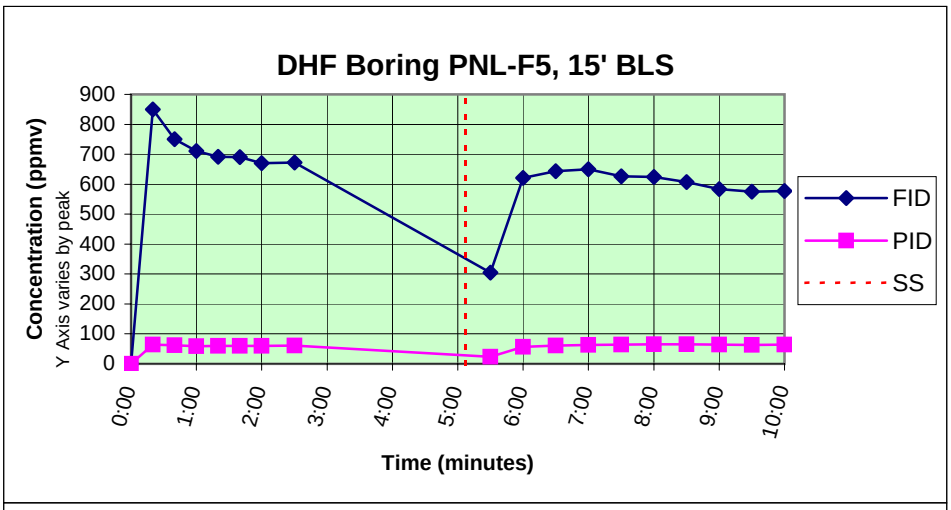


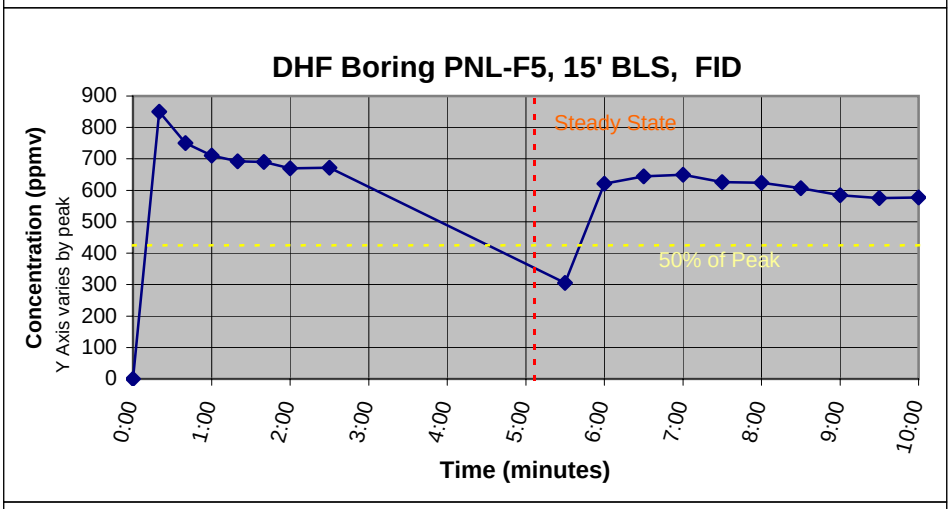


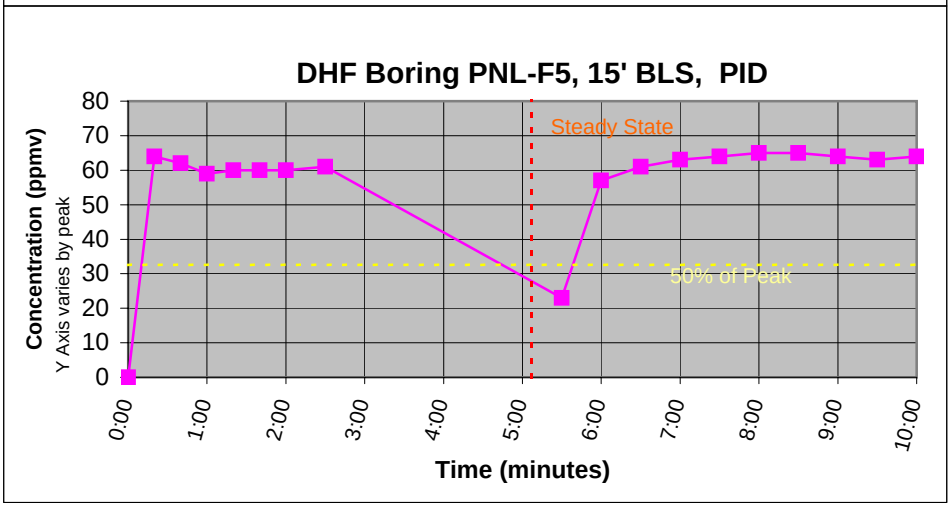


PNL-F5-15'

TIME	FID	PID
0:00	0	0
0:20	850	64
0:40	750	62
1:00	711	59
1:20	692	60
1:40	690	60
2:00	670	60
2:30	672	61
5:30	305	23
6:00	621	57
6:30	644	61
7:00	650	63
7:30	626	64
8:00	624	65
8:30	607	65
9:00	584	64
9:30	575	63
10:00	577	64
Peak	850	65
SS Value	350	28
SS % Pk	41%	43%



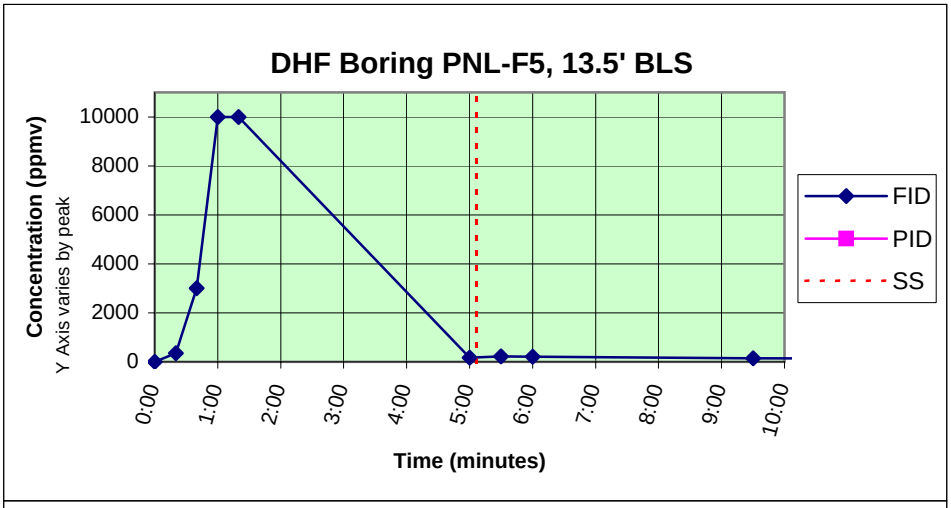


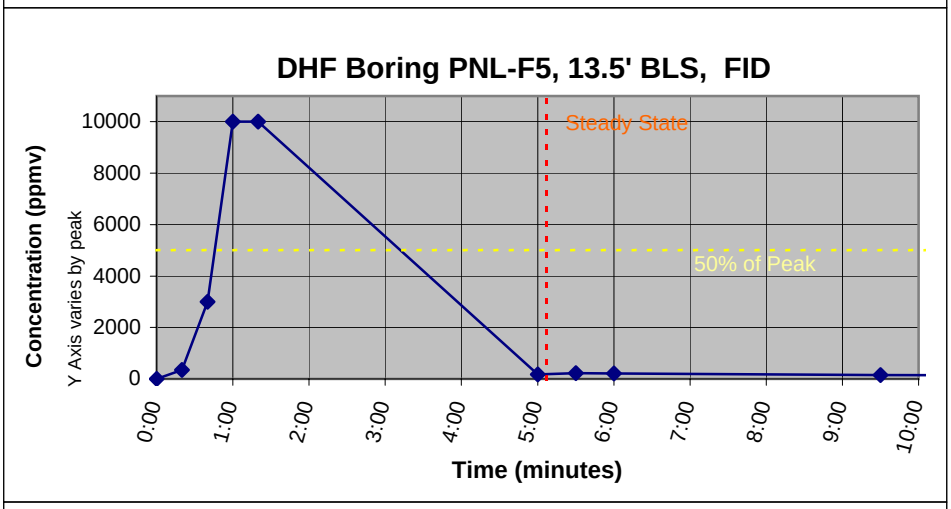


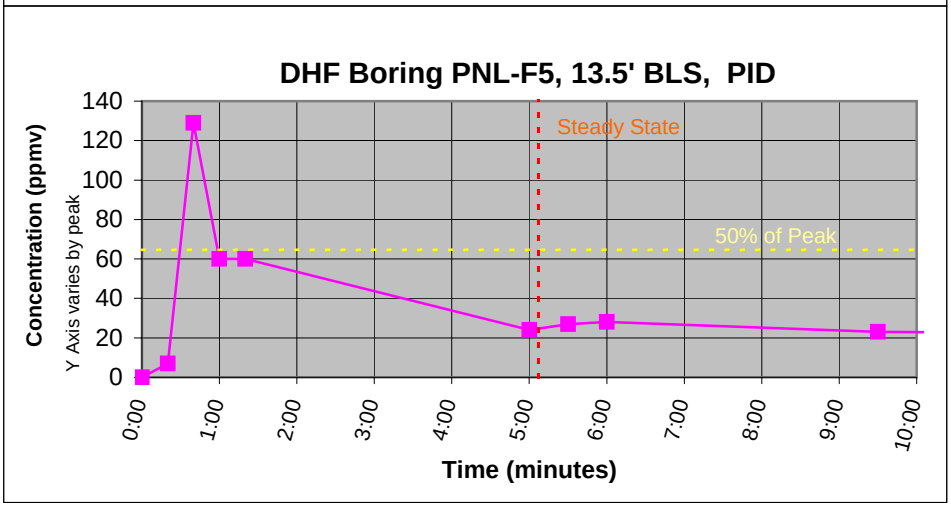
PNL-F5-13.5'

TIME	FID	PID
0:00	0	0
0:20	350	7
0:40	3000	129
1:00	10000	60
1:20	10000	60
5:00	175	24
5:30	218	27
6:00	209	28
9:30	150	23
18:40	102	21

Peak	10000	129
SS Value	175	24
SS % Pk	2%	19%



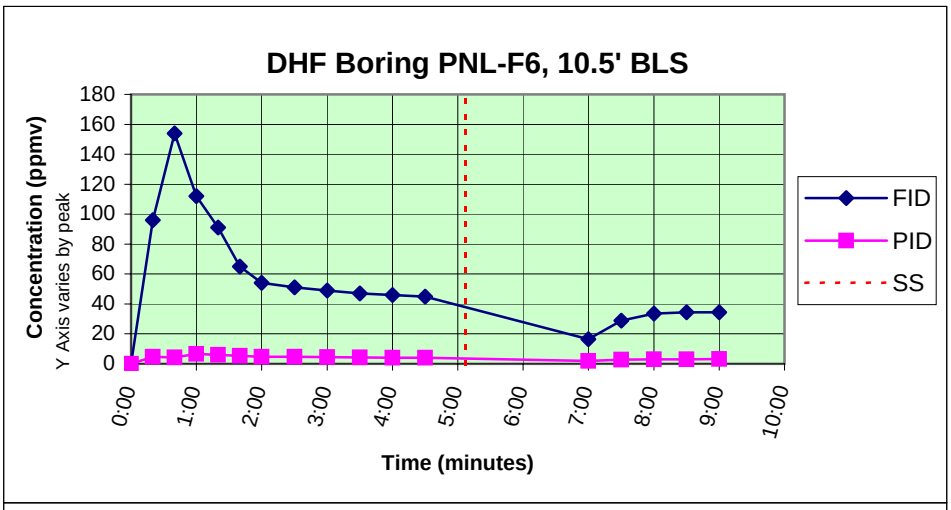


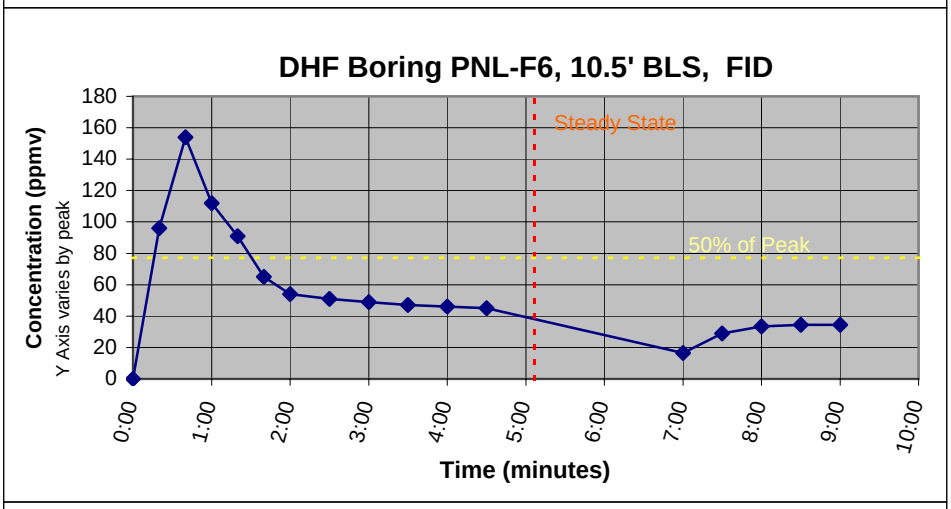


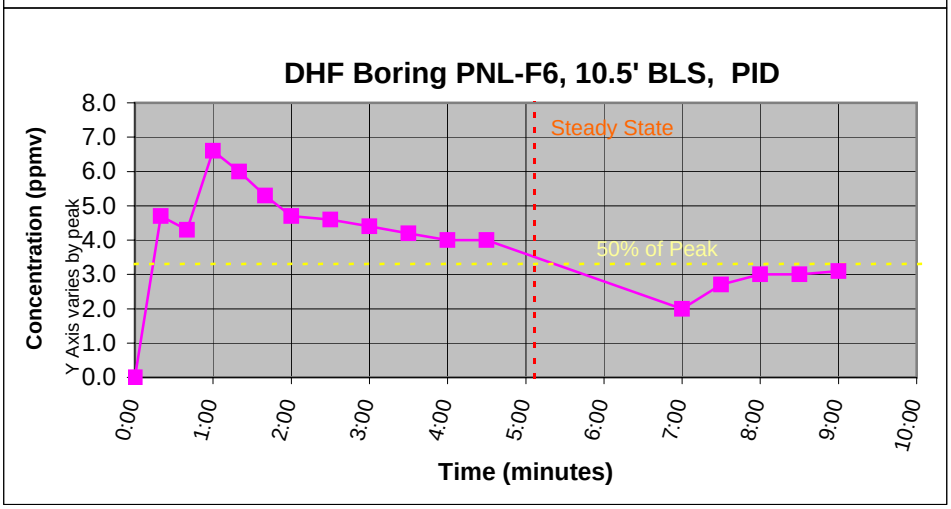
PNL-F6-10.5'

TIME	FID	PID
0:00	0	0.0
0:20	96	4.7
0:40	154	4.3
1:00	112	6.6
1:20	91	6.0
1:40	65	5.3
2:00	54	4.7
2:30	51	4.6
3:00	49	4.4
3:30	47	4.2
4:00	46	4.0
4:30	45	4.0
7:00	16.5	2.0
7:30	28.9	2.7
8:00	33.5	3.0
8:30	34.5	3.0
9:00	34.5	3.1

Peak	154	7
SS Value	39	3.5
SS % Pk	25%	53%



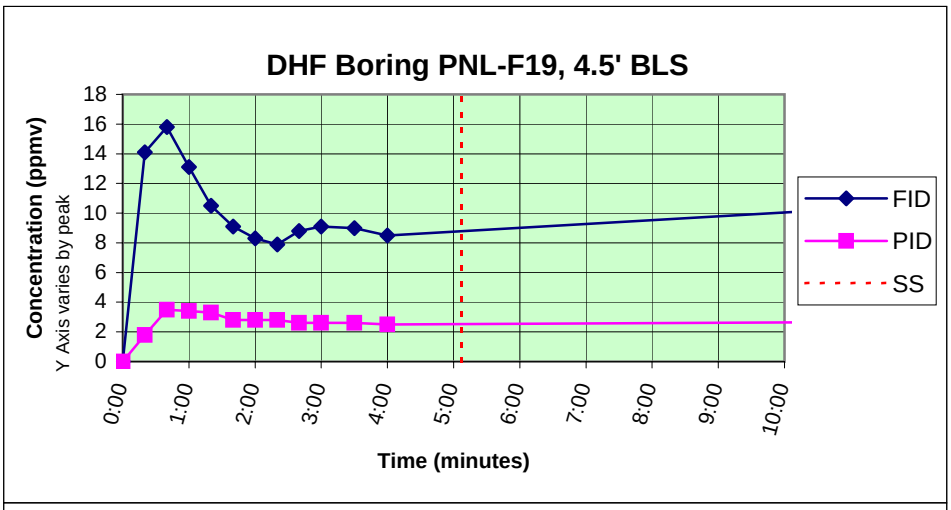


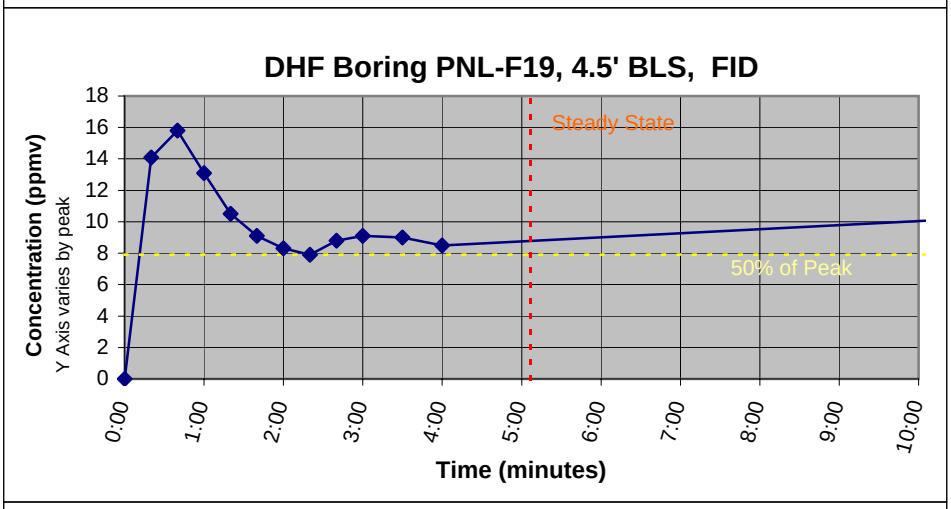


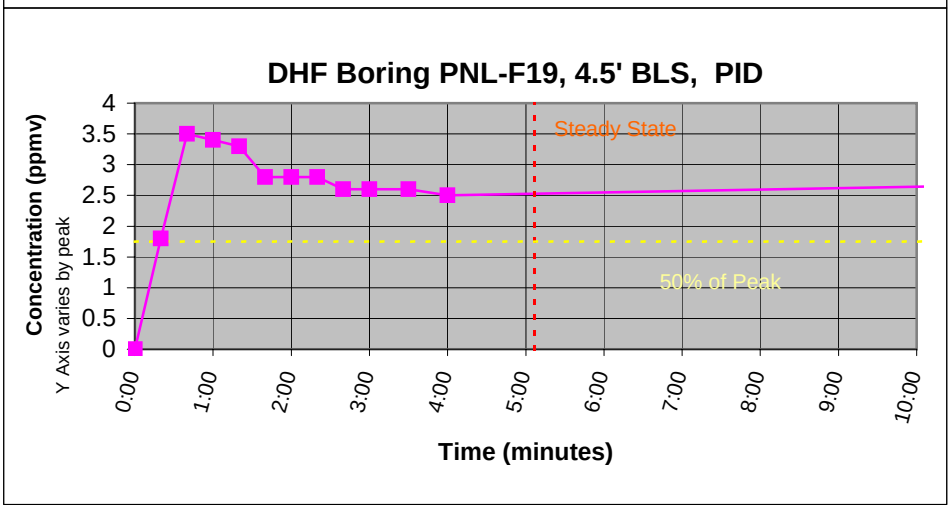
PNL-F19-4.5'

TIME	FID	PID
0:00	0	0
0:20	14.1	1.8
0:40	15.8	3.5
1:00	13.1	3.4
1:20	10.5	3.3
1:40	9.1	2.8
2:00	8.3	2.8
2:20	7.9	2.8
2:40	8.8	2.6
3:00	9.1	2.6
3:30	9	2.6
4:00	8.5	2.5
12:30	10.7	2.7
13:00	9.2	2.5
17:00	3.6	1.1
17:30	3.4	0.9

Peak	16	4
SS Value	9	3
SS % Pk	57%	71%



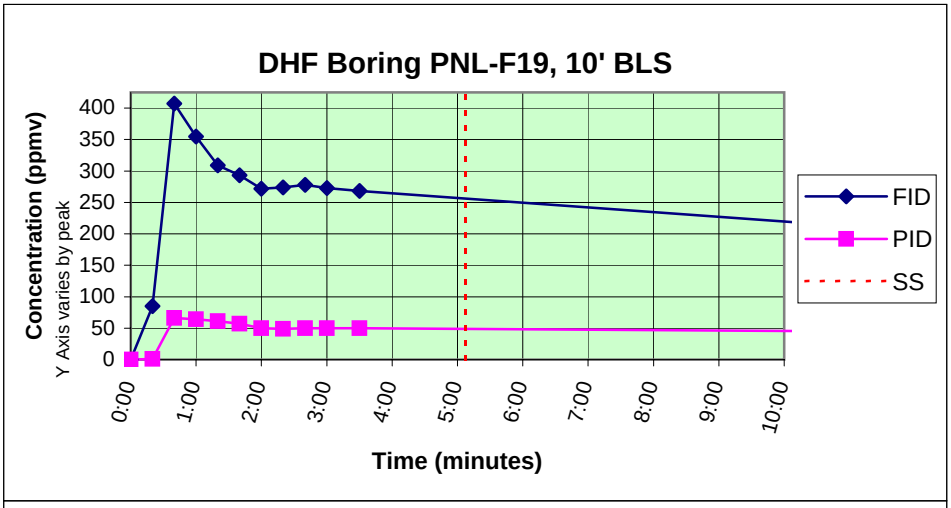


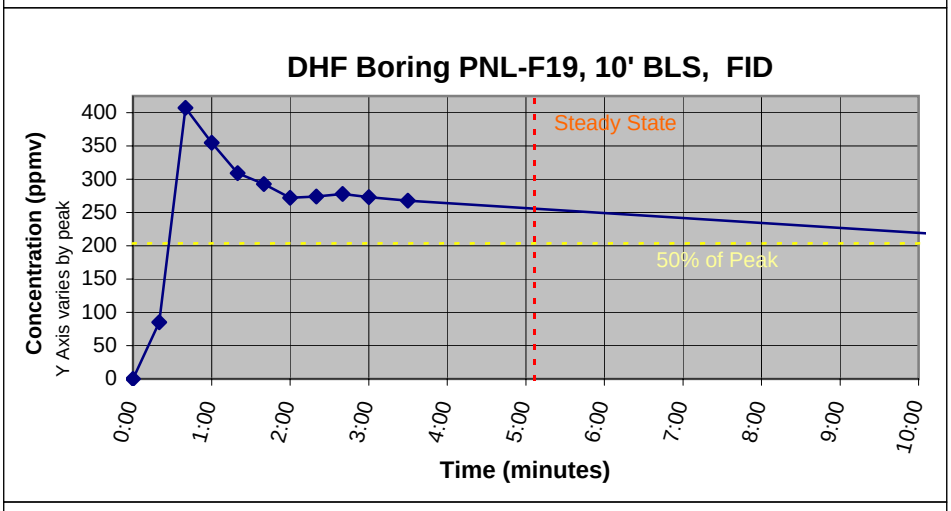


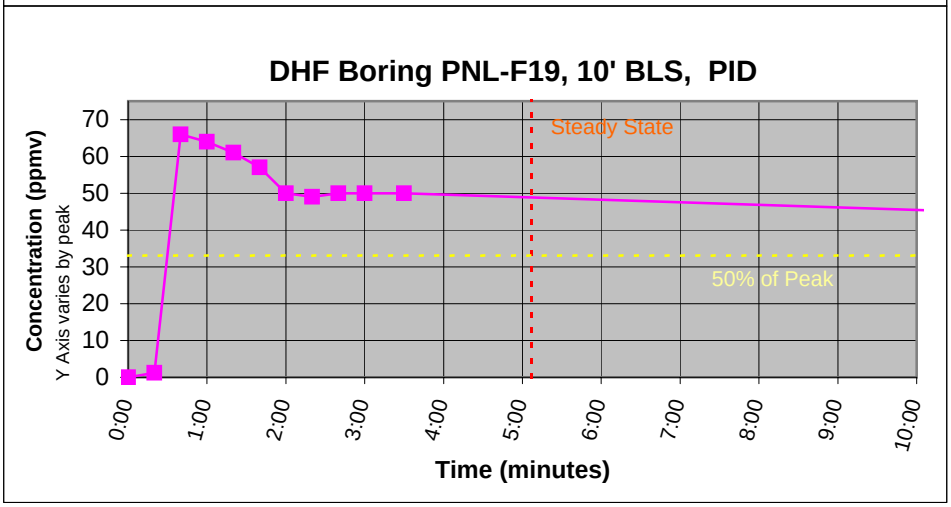
PNL-F19-10'

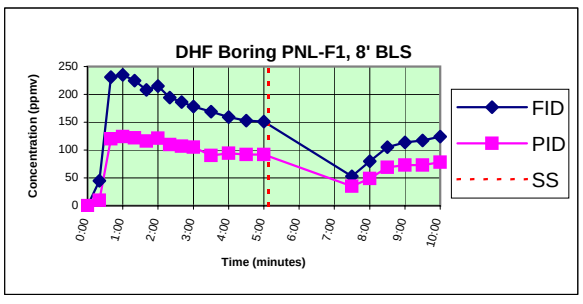
TIME	FID	PID
0:00	0	0
0:20	85	1.2
0:40	407	66
1:00	355	64
1:20	309	61
1:40	293	57
2:00	272	50
2:20	274	49
2:40	278	50
3:00	273	50
3:30	268	50
15:00	182	42
15:30	169	42
18:00	83	21.5
18:30	119	32
19:00	134	36

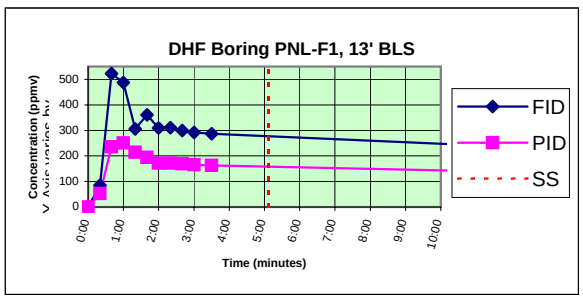
Peak	407	66
SS Value	255	49
SS % Pk	63%	74%

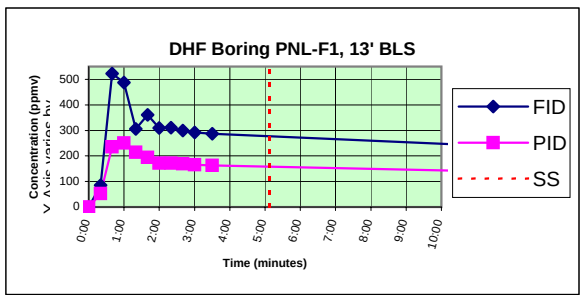


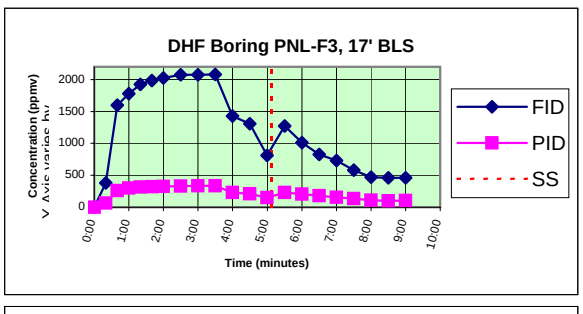


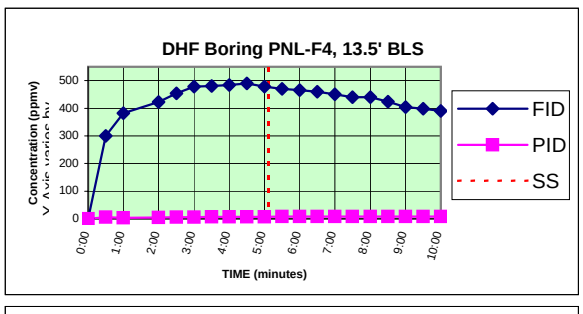


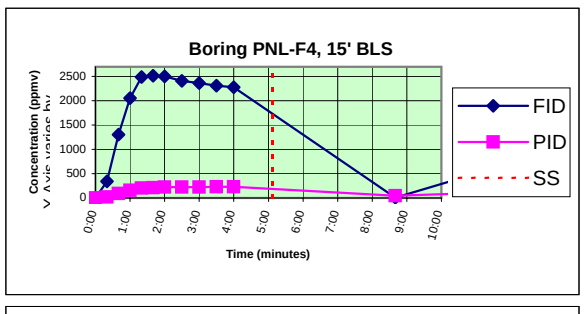

DHF Boring PNL-F1, 8' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

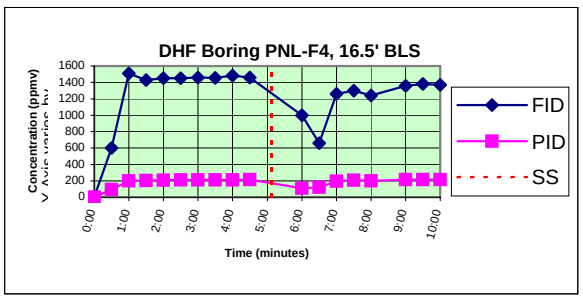

DHF Boring PNL-F1, 13' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

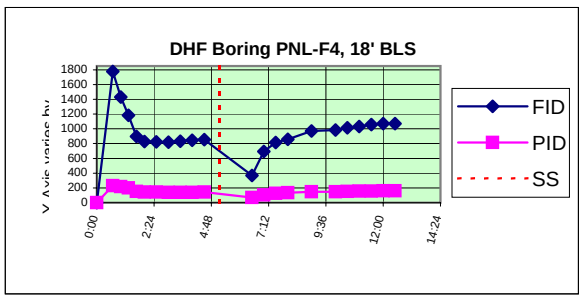

DHF Boring PNL-F1, 13' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

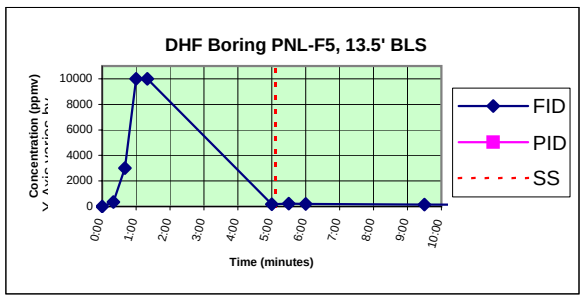

DHF Boring PNL-F3, 17' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

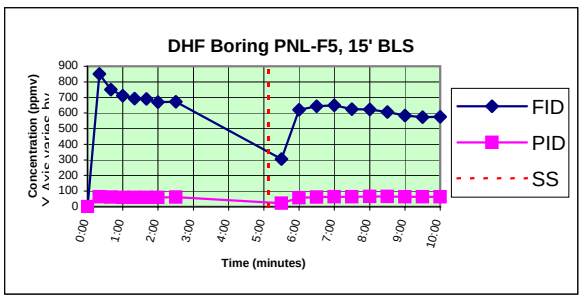

DHF Boring PNL-F4, 13.5' BLS
Concentration (ppmv)
TIME (minutes)
FID
PID
SS

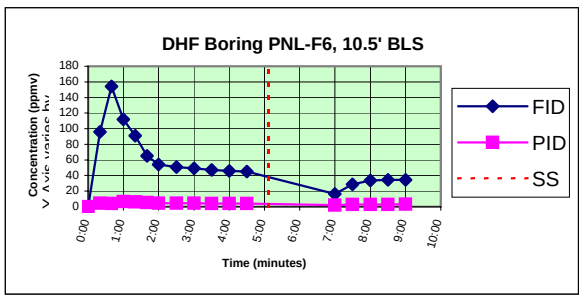

Boring PNL-F4, 15' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

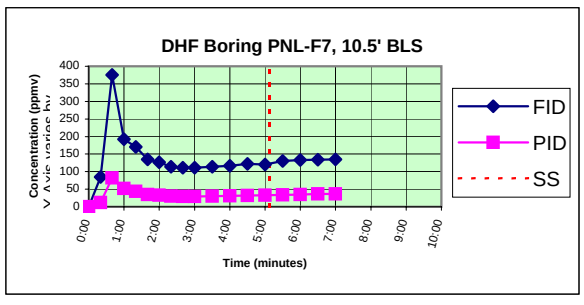

DHF Boring PNL-F4, 16.5' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

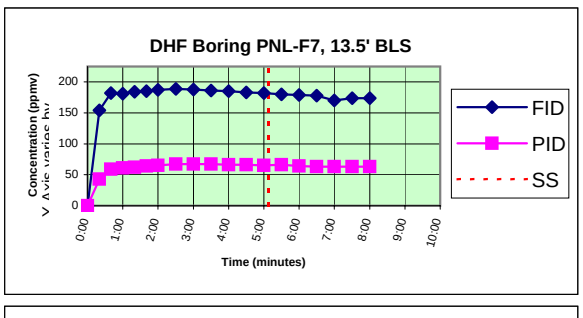

DHF Boring PNL-F4, 18' BLS
FID
PID
SS

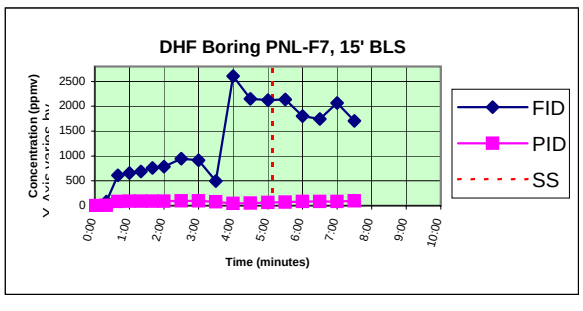

DHF Boring PNL-F5, 13.5' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

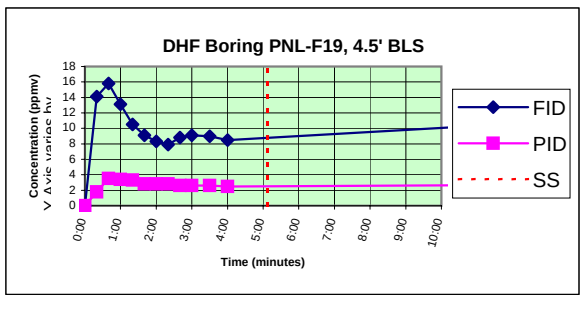

DHF Boring PNL-F5, 15' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

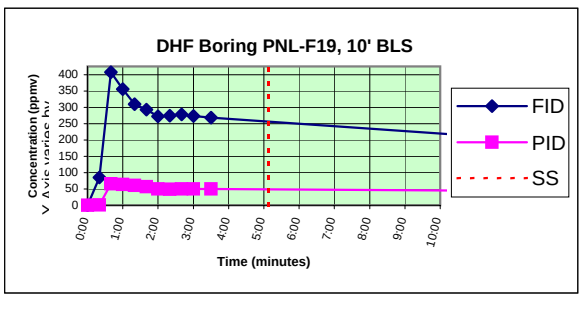

DHF Boring PNL-F6, 10.5' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS


DHF Boring PNL-F7, 10.5' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

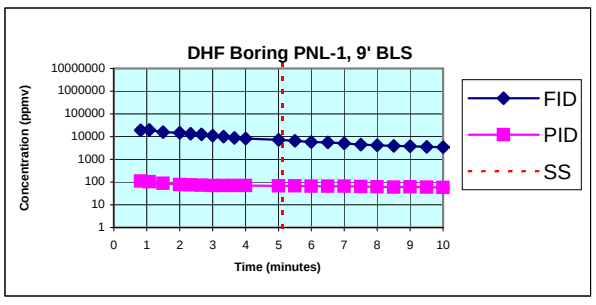

DHF Boring PNL-F7, 13.5' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

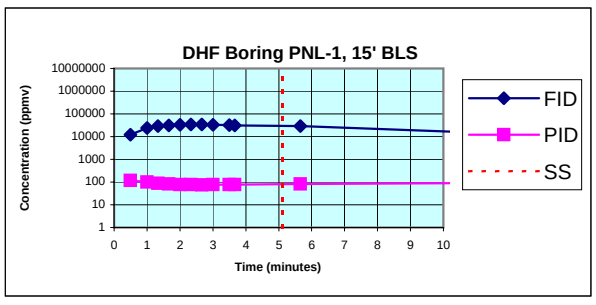

DHF Boring PNL-F7, 15' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

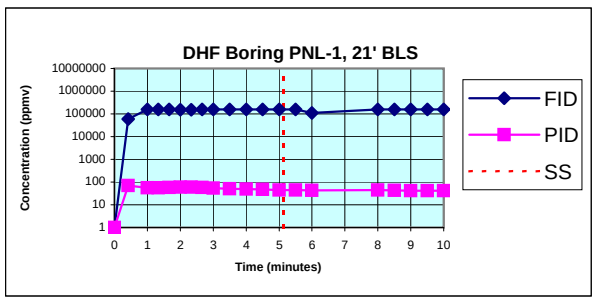

DHF Boring PNL-F19, 4.5' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

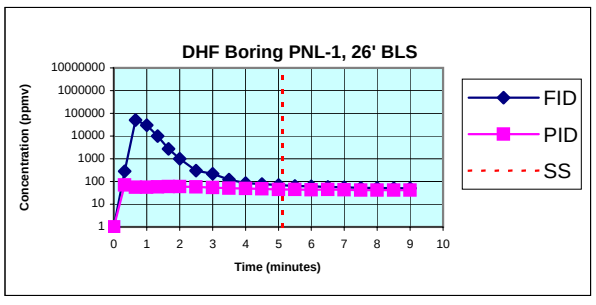

DHF Boring PNL-F19, 10' BLS
Concentration (ppmv)
Time (minutes)
FID
PID
SS

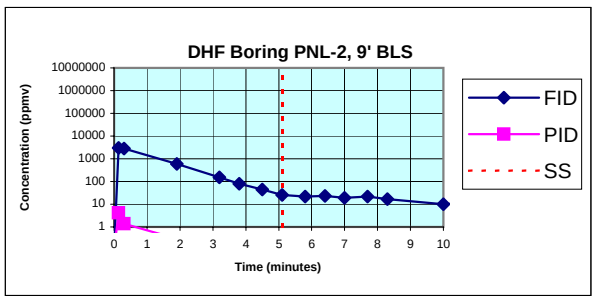
Ascon Phase I Downhole Flux Comparisons

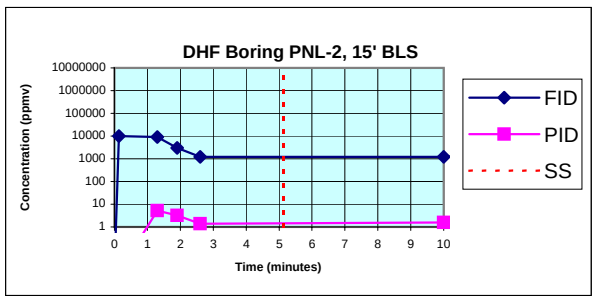


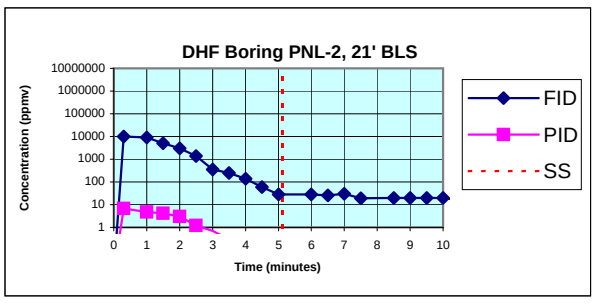


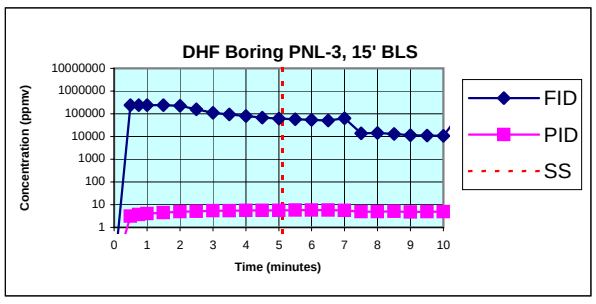


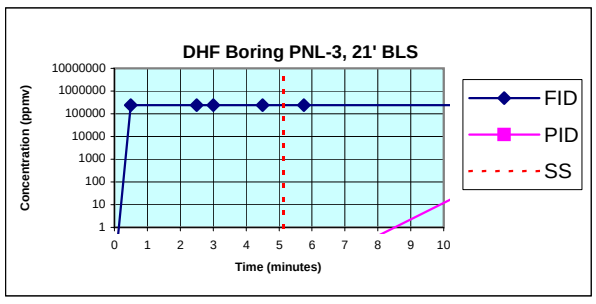


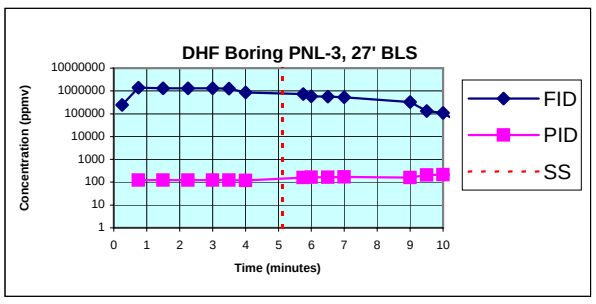


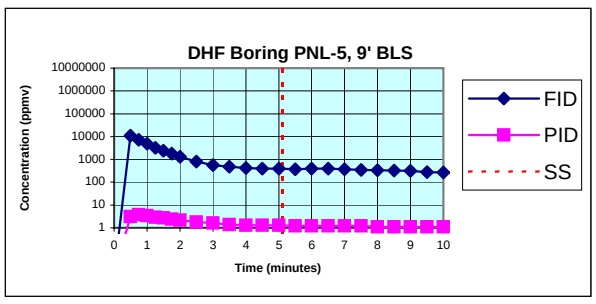


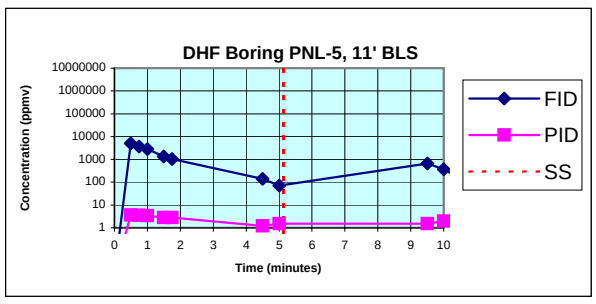


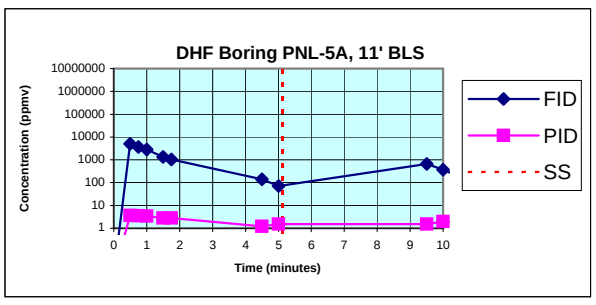


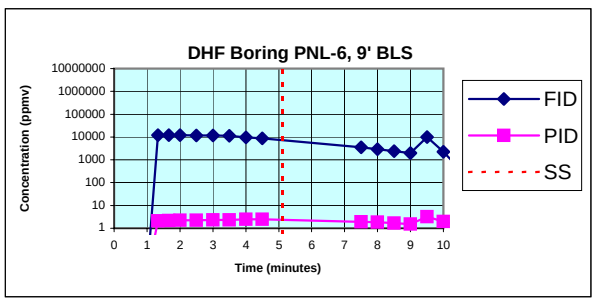


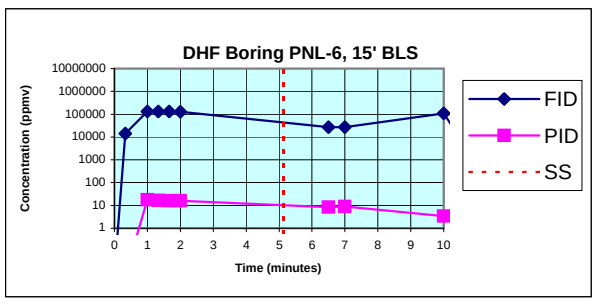


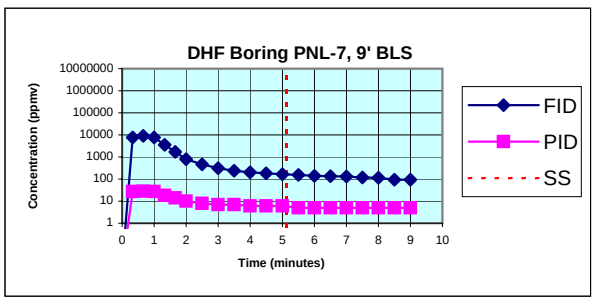


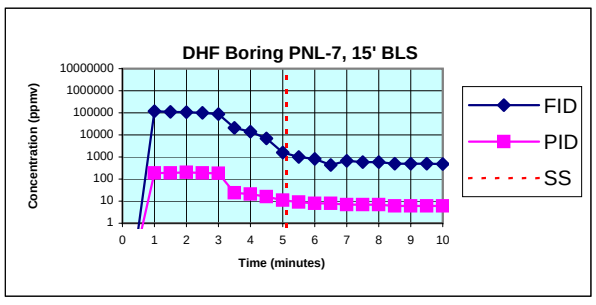


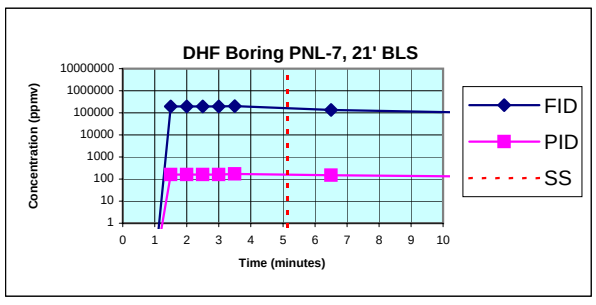


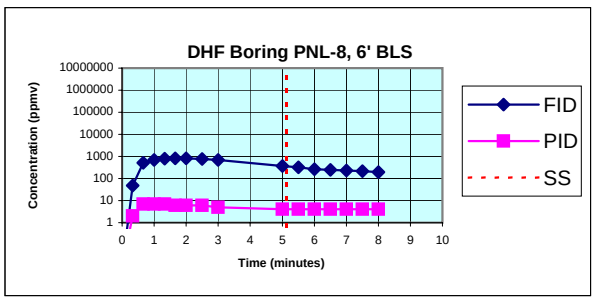


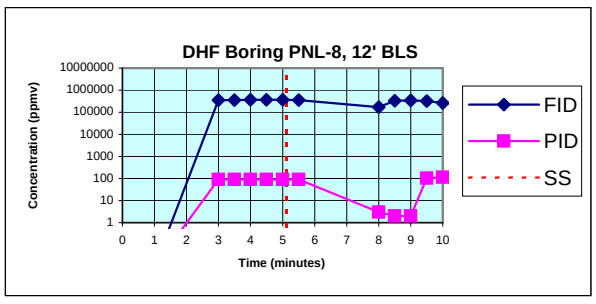


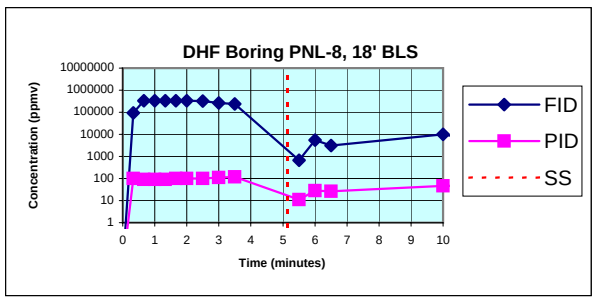


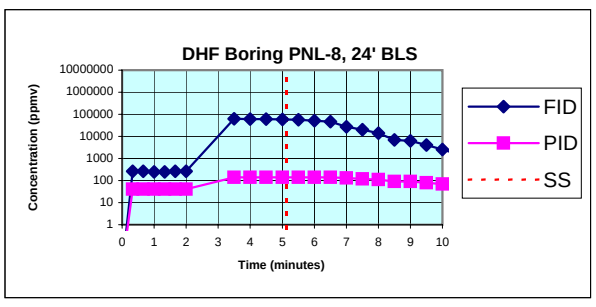


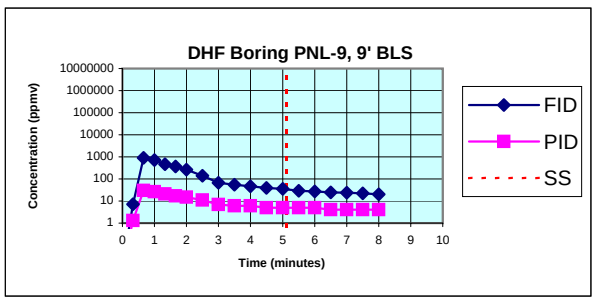


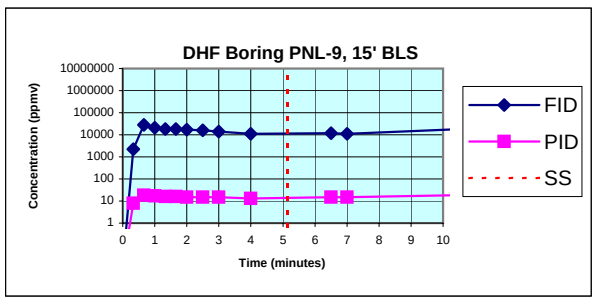


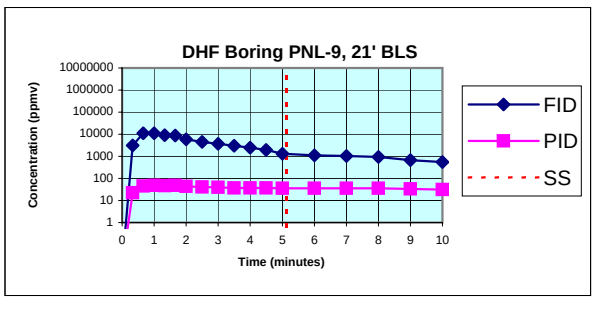


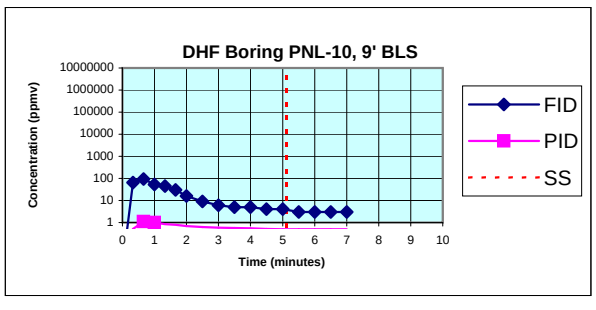


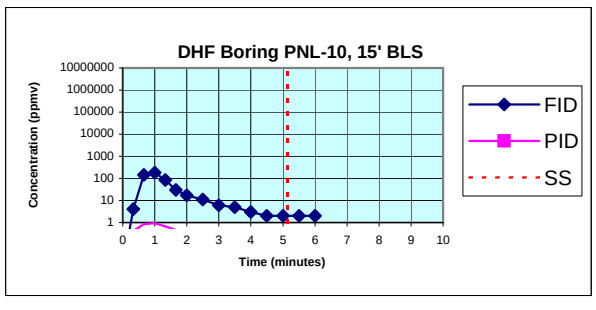




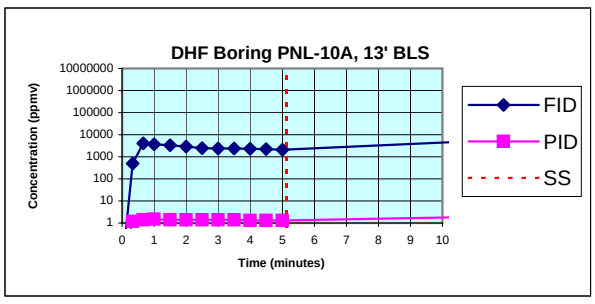


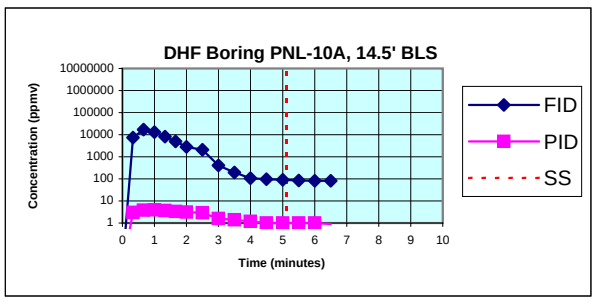


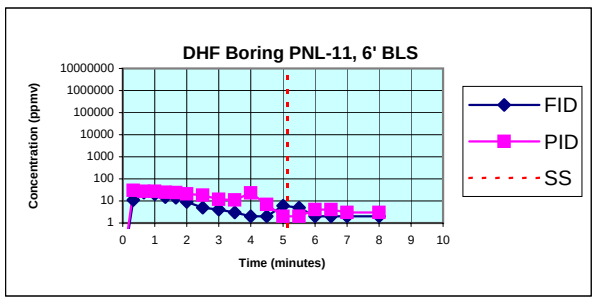


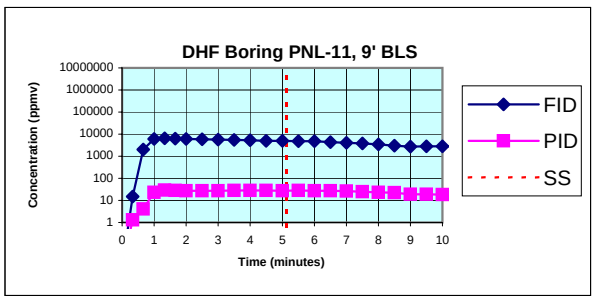


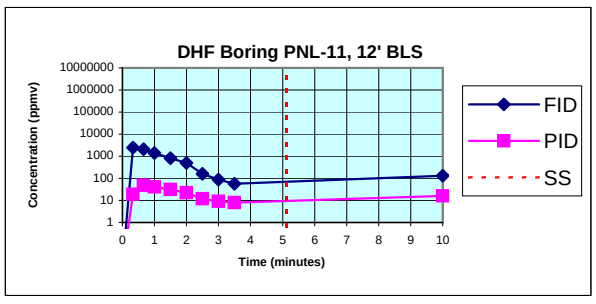
Ascon Phase I Downhole Flux Comparisons

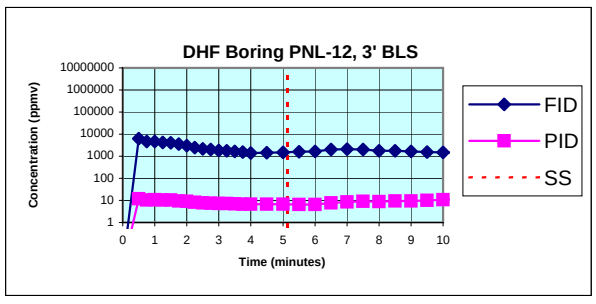


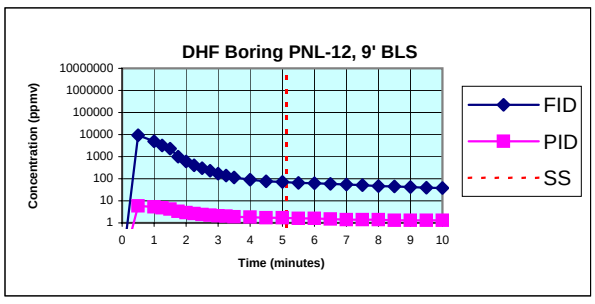


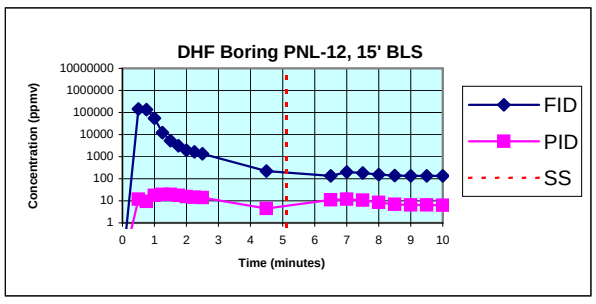


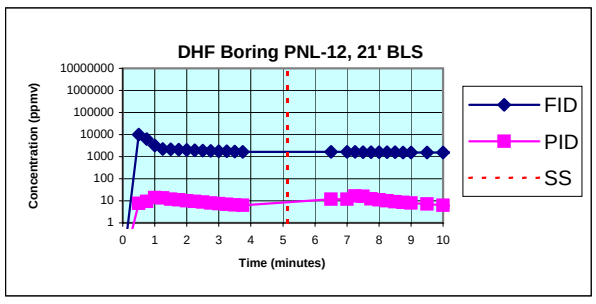


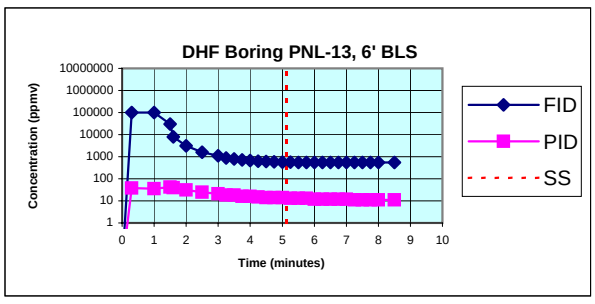


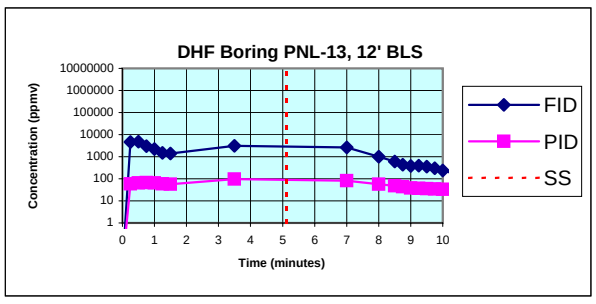


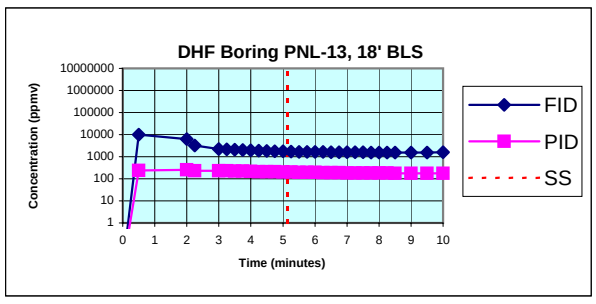


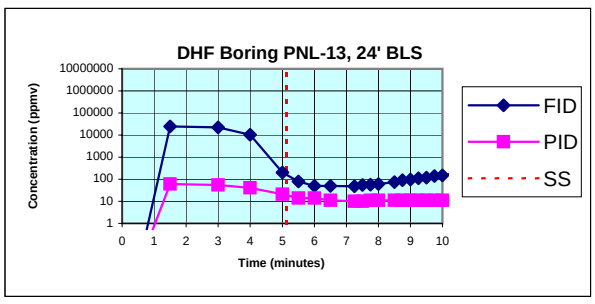


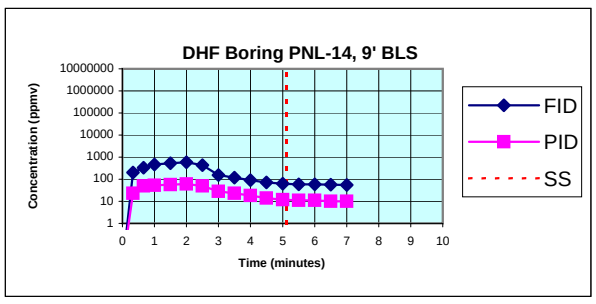


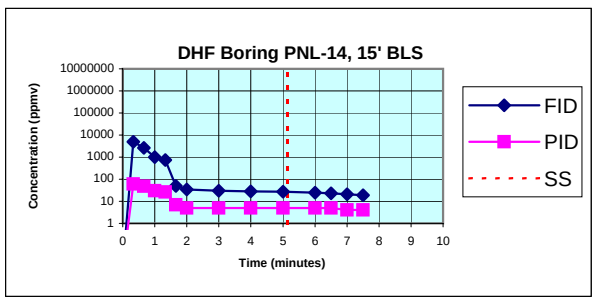


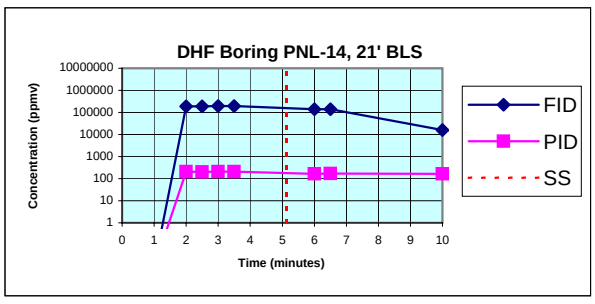


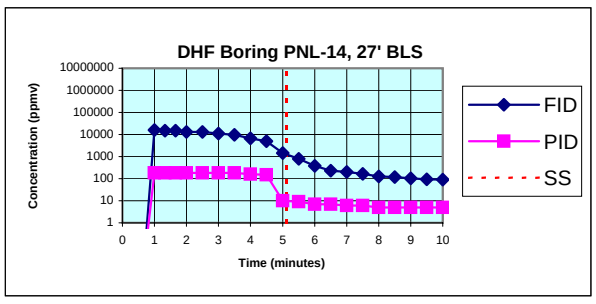


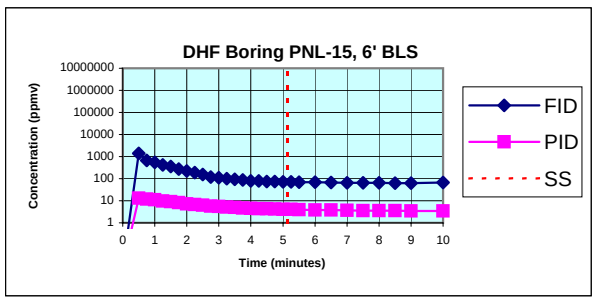


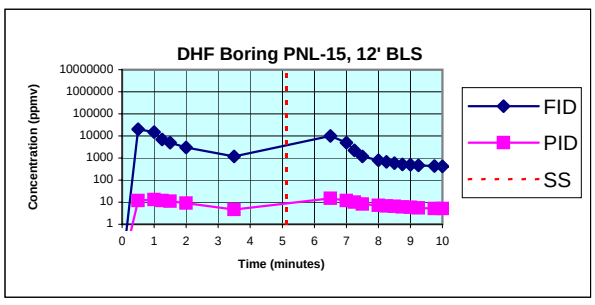
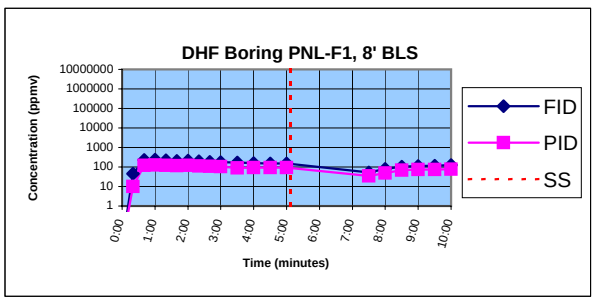
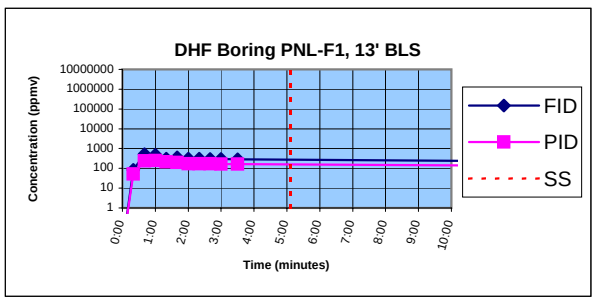
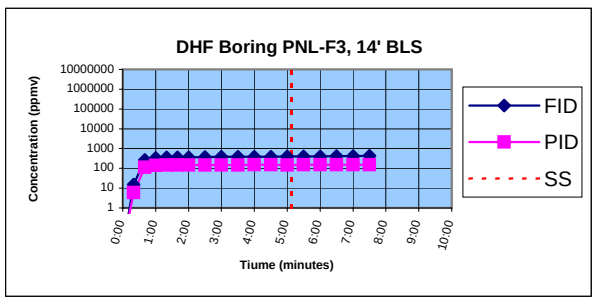
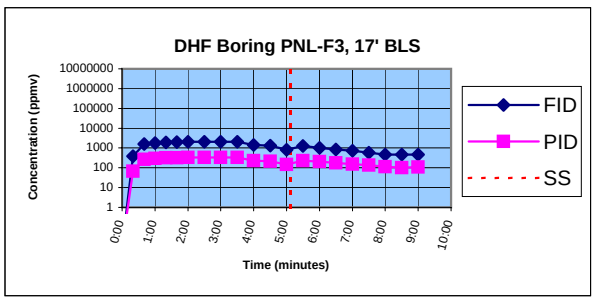
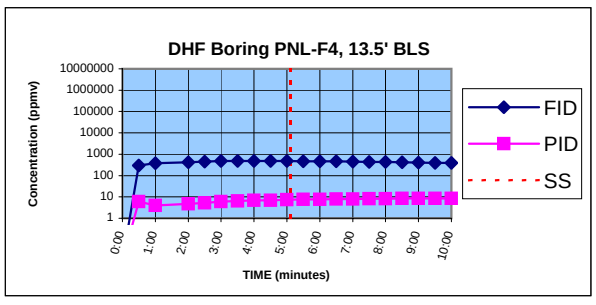
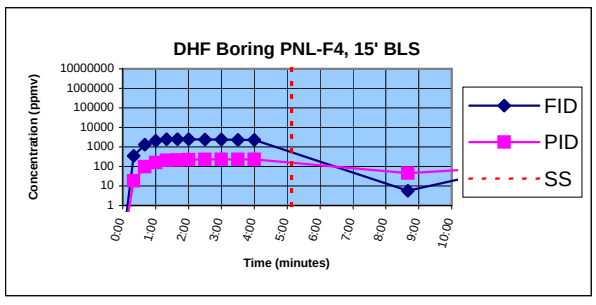
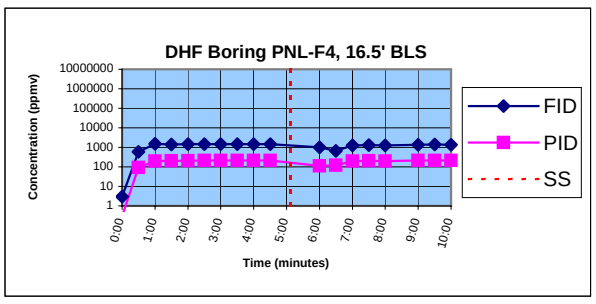
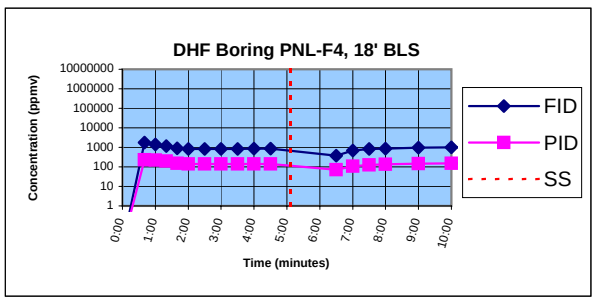
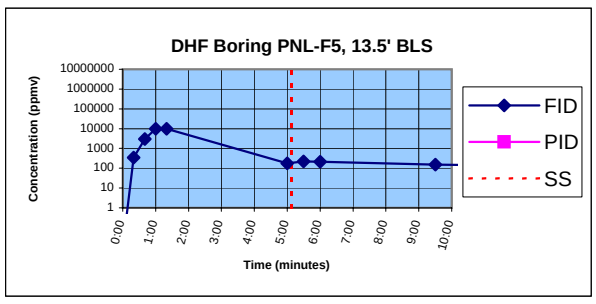
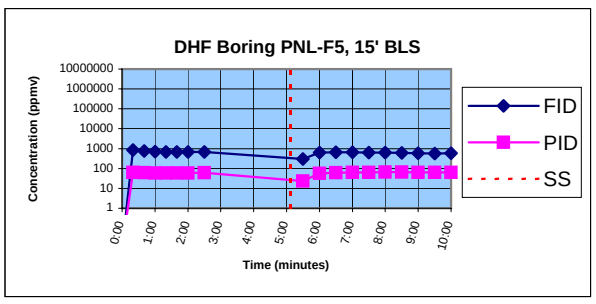
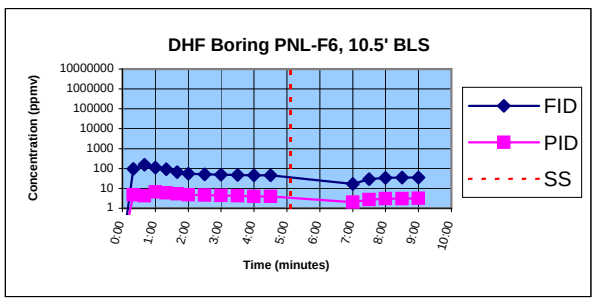
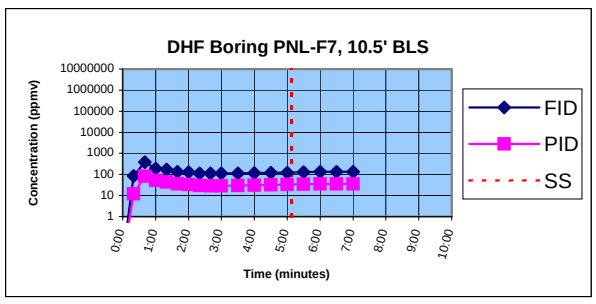
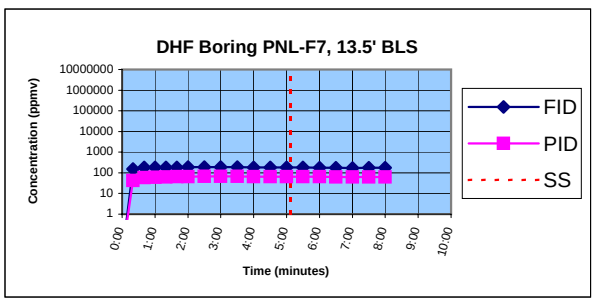
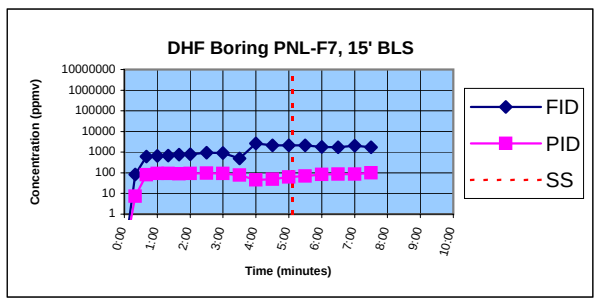
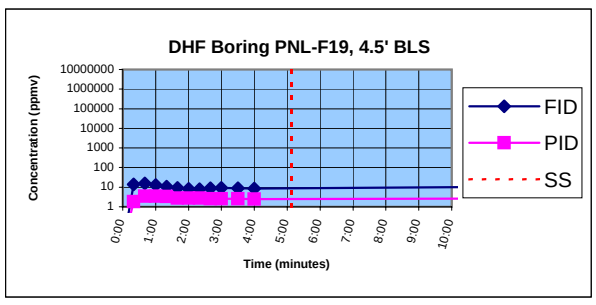
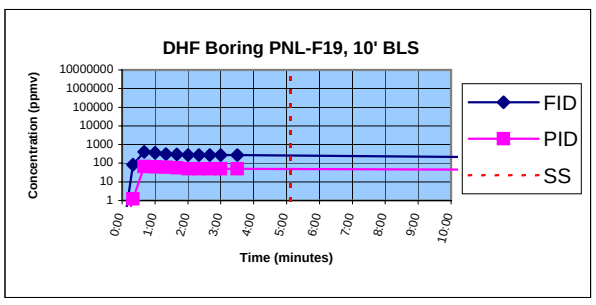












Ascon Phase VIII Downhold Flux Comparison