

Data Path : P:\HPCHEM1\ECD\_R\Data\PR021018\  
 Data File : PR025194.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 07 Feb 2018 18:31  
 Operator : UA/SM  
 Sample : J1454-18  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e  
 Integration File signal 2: events2.e  
 Quant Time: Feb 08 01:47:21 2018  
 Quant Method : P:\HPCHEM1\ECD\_R\Method\PR021018.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Thu Feb 08 01:43:39 2018  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 2 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound        | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml     |
|-----------------------------|-----------------|--------|-------|----------|----------|---------|-----------|
| -----                       |                 |        |       |          |          |         |           |
| System Monitoring Compounds |                 |        |       |          |          |         |           |
| 1)                          | SA Tetrachlo... | 4.409  | 3.773 | 366.8E6  | 614.3E6  | 21.787  | 21.402    |
| 2)                          | SA Decachlor... | 10.052 | 8.791 | 164.7E6  | 366.3E6  | 14.547  | 17.315    |
| Target Compounds            |                 |        |       |          |          |         |           |
| 3)                          | L1 AR-1016-1    | 5.258  | 4.686 | 52711517 | 184.9E6  | 126.793 | 204.823 # |
| 4)                          | L1 AR-1016-2    | 5.625  | 5.043 | 28515847 | 16806007 | 46.885  | 22.841 #  |
| 5)                          | L1 AR-1016-3    | 0.000  | 5.100 | 0        | 21409138 | N.D.    | 26.381 #  |
| 6)                          | L1 AR-1016-4    | 0.000  | 5.302 | 0        | 30491456 | N.D.    | 33.011 #  |
| 7)                          | L1 AR-1016-5    | 6.201  | 5.683 | 49595553 | 51326546 | 101.589 | 57.383 #  |
| 9)                          | L2 AR-1221-2    | 0.000  | 4.072 | 0        | 8440090  | N.D.    | 36.057 #  |
| 10)                         | L2 AR-1221-3    | 0.000  | 4.154 | 0        | 3990483  | N.D.    | 5.715 #   |
| 11)                         | L3 AR-1232-1    | 0.000  | 4.154 | 0        | 3990483  | N.D.    | 6.920 #   |
| 12)                         | L3 AR-1232-2    | 5.258  | 5.043 | 52711517 | 16806007 | 318.797 | 59.007 #  |
| 13)                         | L3 AR-1232-3    | 5.625  | 5.100 | 28515847 | 21409138 | 115.113 | 99.774    |
| 14)                         | L3 AR-1232-4    | 0.000  | 5.683 | 0        | 51326546 | N.D.    | 131.744 # |
| 15)                         | L3 AR-1232-5    | 6.201  | 5.683 | 49595553 | 51326546 | 248.543 | 147.229 # |
| 16)                         | L4 AR-1242-1    | 5.258  | 4.686 | 52711517 | 184.9E6  | 192.942 | 325.967 # |
| 17)                         | L4 AR-1242-2    | 5.625  | 4.864 | 28515847 | 163.9E6  | 45.289  | 210.341 # |
| 18)                         | L4 AR-1242-3    | 5.625  | 5.043 | 28515847 | 16806007 | 72.044  | 35.991 #  |
| 19)                         | L4 AR-1242-4    | 0.000  | 5.100 | 0        | 21409138 | N.D.    | 58.811 #  |
| 20)                         | L4 AR-1242-5    | 0.000  | 5.302 | 0        | 30491456 | N.D.    | 51.094 #  |
| 21)                         | L5 AR-1248-1    | 0.000  | 5.100 | 0        | 21409138 | N.D.    | 27.546 #  |
| 22)                         | L5 AR-1248-2    | 0.000  | 5.100 | 0        | 21409138 | N.D.    | 24.445 #  |
| 23)                         | L5 AR-1248-3    | 6.404  | 5.302 | 20320326 | 30491456 | 38.632  | 27.512 #  |
| 24)                         | L5 AR-1248-4    | 6.404  | 5.683 | 20320326 | 51326546 | 29.491  | 31.838    |
| 25)                         | L5 AR-1248-5    | 6.624  | 5.683 | 20417596 | 51326546 | 29.290  | 45.278 #  |
| 26)                         | L6 AR-1254-1    | 0.000  | 5.100 | 0        | 21409138 | N.D.    | 31.559 #  |
| 27)                         | L6 AR-1254-2    | 6.624  | 5.815 | 20417596 | 29537671 | 19.360  | 19.964    |
| 28)                         | L6 AR-1254-3    | 6.982  | 6.207 | 19282773 | 101.0E6  | 17.117  | 41.252 #  |
| 29)                         | L6 AR-1254-4    | 7.267  | 6.416 | 40859148 | 45360526 | 49.952  | 29.970 #  |
| 30)                         | L6 AR-1254-5    | 0.000  | 6.850 | 0        | 69861612 | N.D.    | 35.034 #  |
| 31)                         | L7 AR-1260-1    | 0.000  | 6.337 | 0        | 86234239 | N.D.    | 49.665 #  |
| 32)                         | L7 AR-1260-2    | 7.404  | 6.511 | 16687581 | 134.6E6  | 16.305  | 62.403 #  |
| 33)                         | L7 AR-1260-3    | 0.000  | 6.850 | 0        | 69861612 | N.D.    | 30.707 #  |
| 34)                         | L7 AR-1260-4    | 7.987  | 0.000 | 18130437 | 0        | 21.389  | N.D. #    |
| 35)                         | L7 AR-1260-5    | 0.000  | 7.376 | 0        | 22399851 | N.D.    | 6.341 #   |
| 36)                         | L8 AR-1262-1    | 0.000  | 6.337 | 0        | 86234239 | N.D.    | 71.218 #  |
| 37)                         | L8 AR-1262-2    | 7.404  | 6.511 | 16687581 | 134.6E6  | 23.902  | 94.766 #  |
| 38)                         | L8 AR-1262-3    | 0.000  | 6.850 | 0        | 69861612 | N.D.    | 36.320 #  |
| 39)                         | L8 AR-1262-4    | 7.987  | 0.000 | 18130437 | 0        | 21.284  | N.D. #    |
| 40)                         | L8 AR-1262-5    | 0.000  | 7.376 | 0        | 22399851 | N.D.    | 6.591 #   |
| 44)                         | L9 AR-1268-4    | 0.000  | 8.281 | 0        | 13030630 | N.D.    | 11.669 #  |
| -----                       |                 |        |       |          |          |         |           |

Data Path : P:\HPCHEM1\ECD\_R\Data\PR021018\  
Data File : PR025194.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Feb 2018 18:31  
Operator : UA/SM  
Sample : J1454-18  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e  
Integration File signal 2: events2.e  
Quant Time: Feb 08 01:47:21 2018  
Quant Method : P:\HPCHEM1\ECD\_R\Method\PR021018.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Thu Feb 08 01:43:39 2018  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 2 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

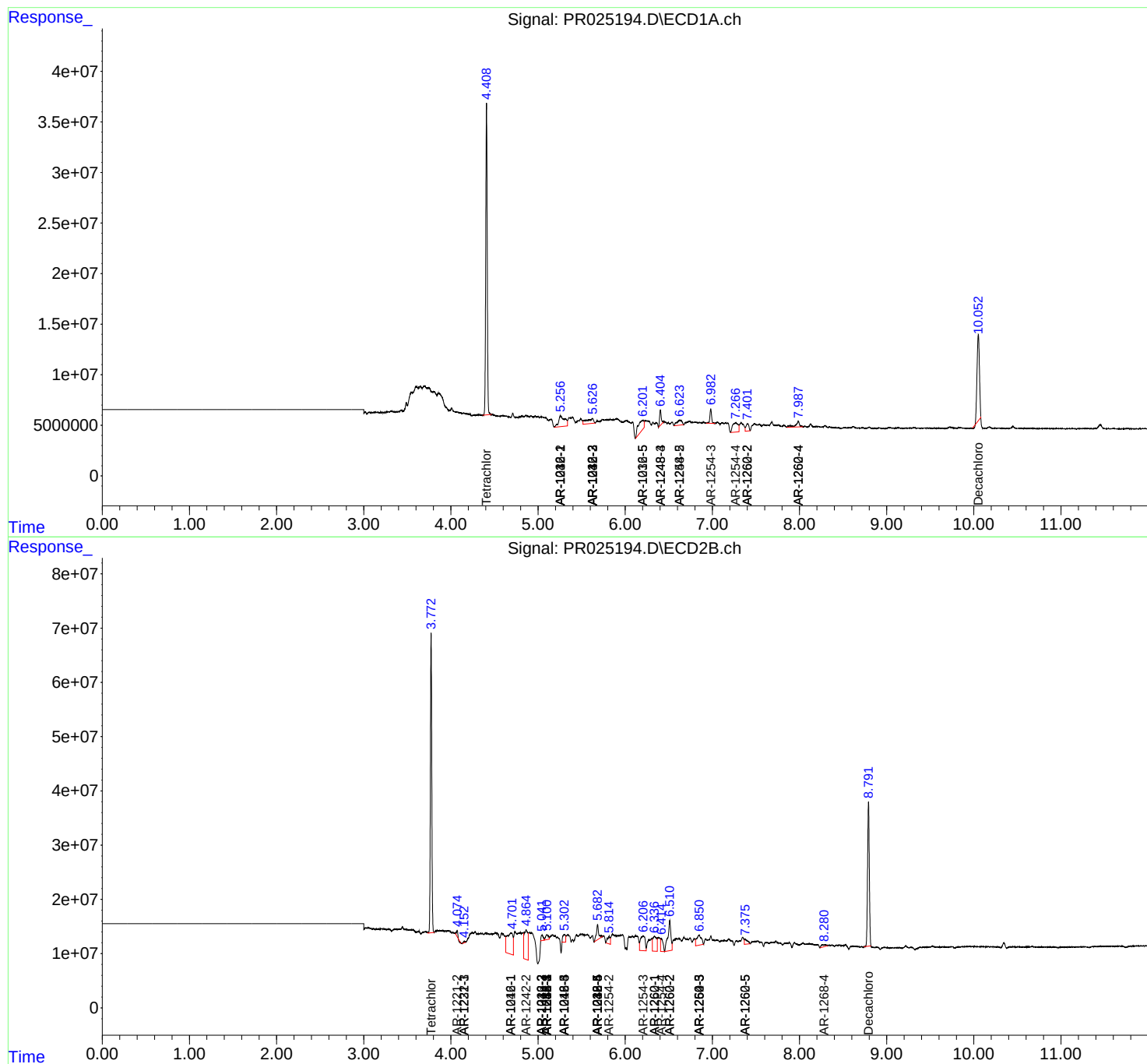
| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|----------|------|------|--------|--------|-------|-------|
|----------|------|------|--------|--------|-------|-------|

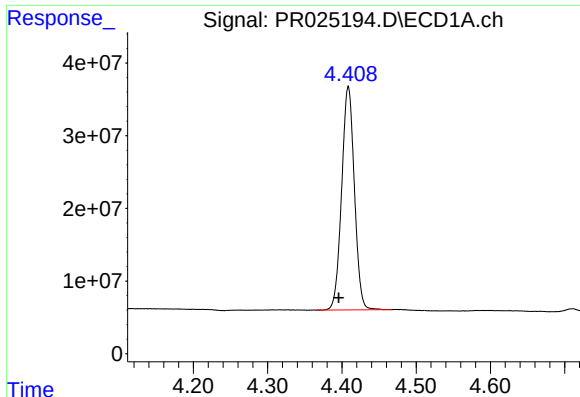
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : P:\HPCHEM1\ECD\_R\Data\PR021018\  
Data File : PR025194.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Feb 2018 18:31  
Operator : UA/SM  
Sample : J1454-18  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e  
Integration File signal 2: events2.e  
Quant Time: Feb 08 01:47:21 2018  
Quant Method : P:\HPCHEM1\ECD\_R\Method\PR021018.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Thu Feb 08 01:43:39 2018  
Response via : Initial Calibration  
Integrator: ChemStation

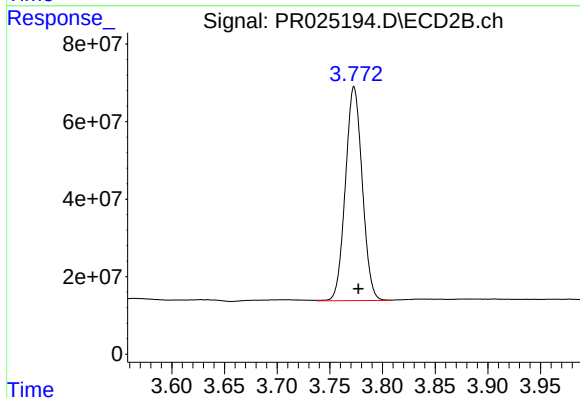
Volume Inj. : 2 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30Mx0.32mmx 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm





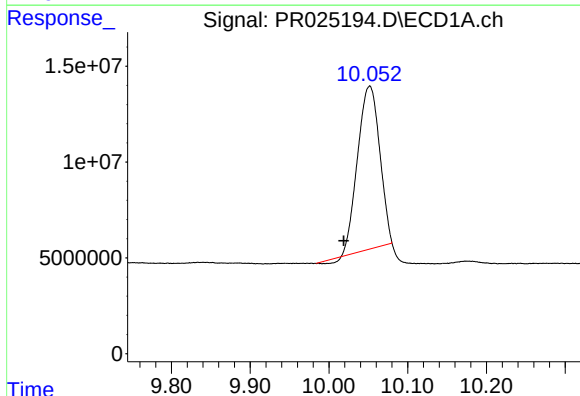
#1 Tetrachloro-m-xylene

R.T.: 4.409 min  
Delta R.T.: 0.013 min  
Response: 366840324  
Conc: 21.79 ng/ml



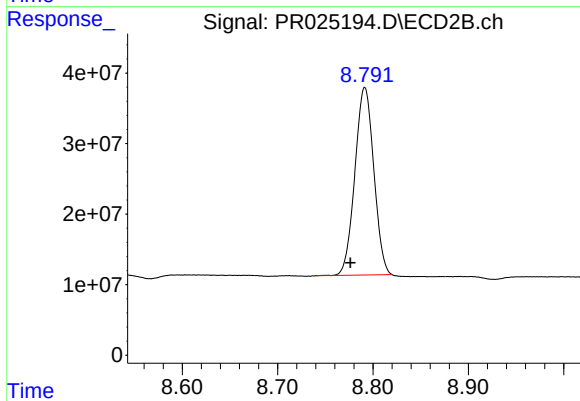
#1 Tetrachloro-m-xylene

R.T.: 3.773 min  
Delta R.T.: -0.004 min  
Response: 614313758  
Conc: 21.40 ng/ml



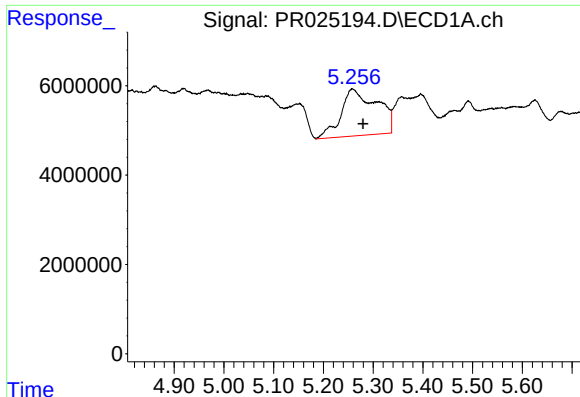
#2 Decachlorobiphenyl

R.T.: 10.052 min  
Delta R.T.: 0.033 min  
Response: 164713747  
Conc: 14.55 ng/ml



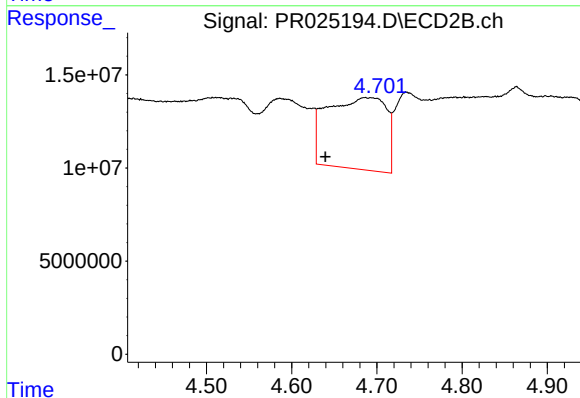
#2 Decachlorobiphenyl

R.T.: 8.791 min  
Delta R.T.: 0.015 min  
Response: 366289603  
Conc: 17.32 ng/ml



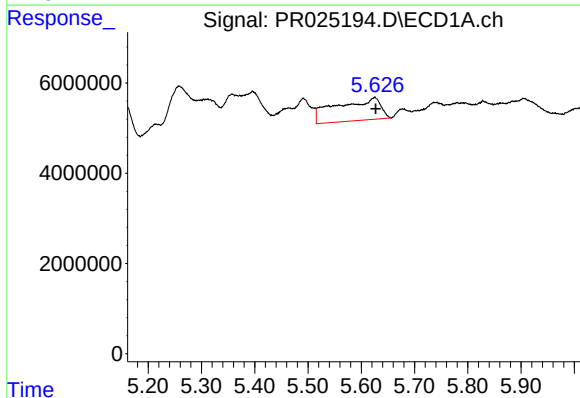
#3 AR-1016-1

R.T.: 5.258 min  
Delta R.T.: -0.022 min  
Response: 52711517  
Conc: 126.79 ng/ml



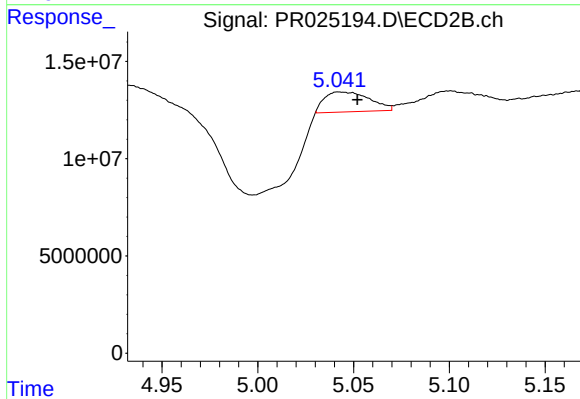
#3 AR-1016-1

R.T.: 4.686 min  
Delta R.T.: 0.046 min  
Response: 184897278  
Conc: 204.82 ng/ml



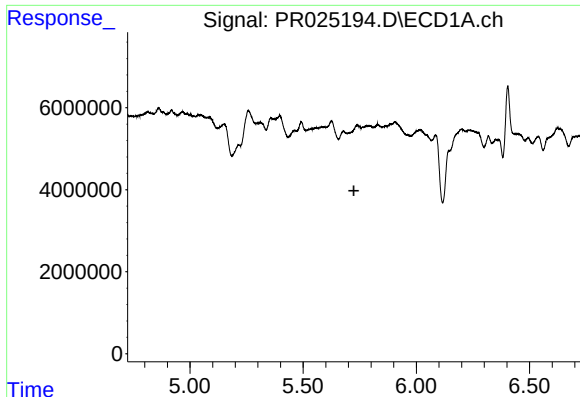
#4 AR-1016-2

R.T.: 5.625 min  
Delta R.T.: -0.002 min  
Response: 28515847  
Conc: 46.89 ng/ml



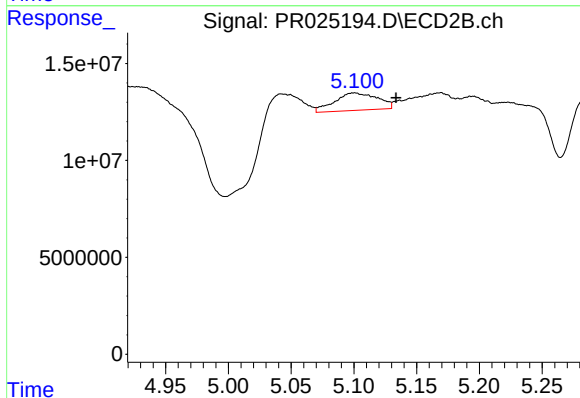
#4 AR-1016-2

R.T.: 5.043 min  
Delta R.T.: -0.009 min  
Response: 16806007  
Conc: 22.84 ng/ml



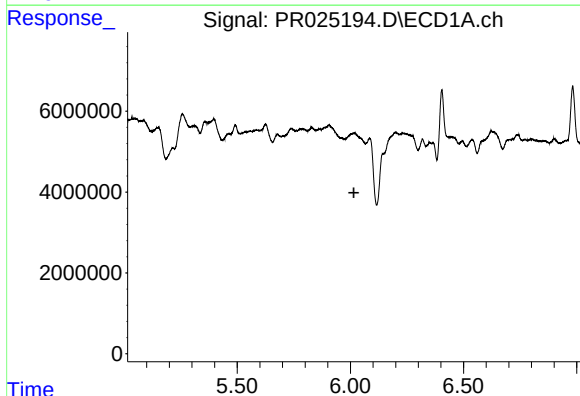
#5 AR-1016-3

R.T.: 0.000 min  
Exp R.T. : 5.724 min  
Response: 0  
Conc: N.D.



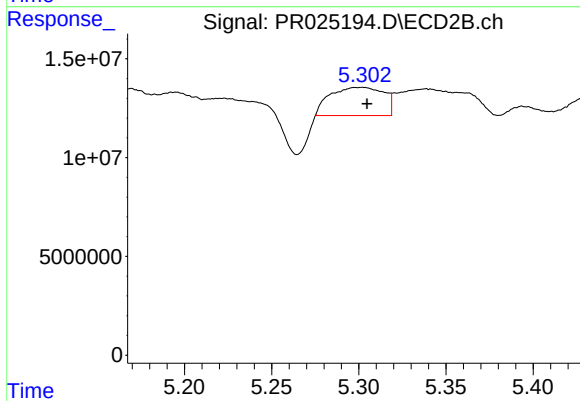
#5 AR-1016-3

R.T.: 5.100 min  
Delta R.T.: -0.033 min  
Response: 21409138  
Conc: 26.38 ng/ml



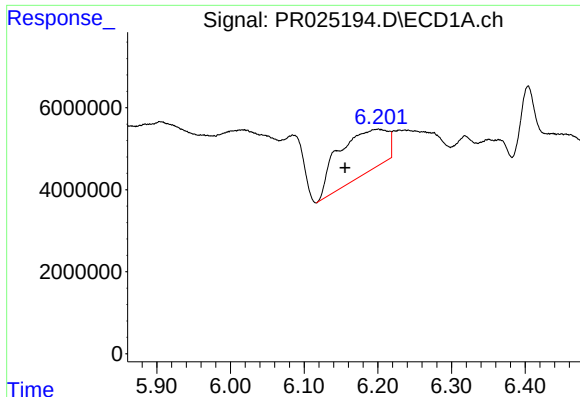
#6 AR-1016-4

R.T.: 0.000 min  
Exp R.T. : 6.016 min  
Response: 0  
Conc: N.D.



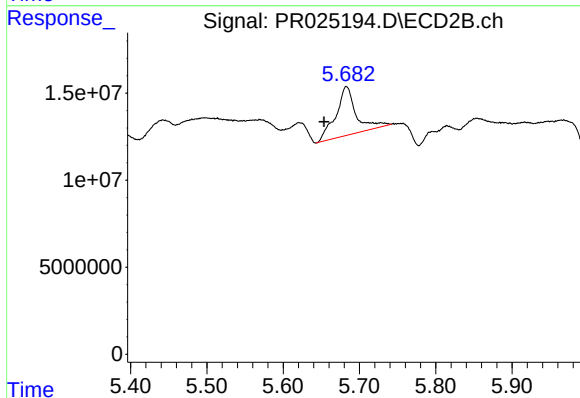
#6 AR-1016-4

R.T.: 5.302 min  
Delta R.T.: -0.003 min  
Response: 30491456  
Conc: 33.01 ng/ml



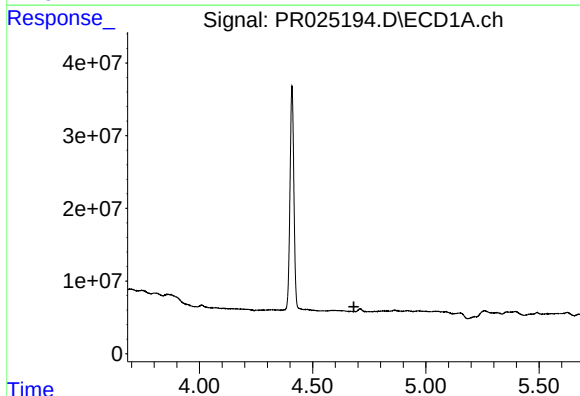
#7 AR-1016-5

R.T.: 6.201 min  
Delta R.T.: 0.045 min  
Response: 49595553  
Conc: 101.59 ng/ml



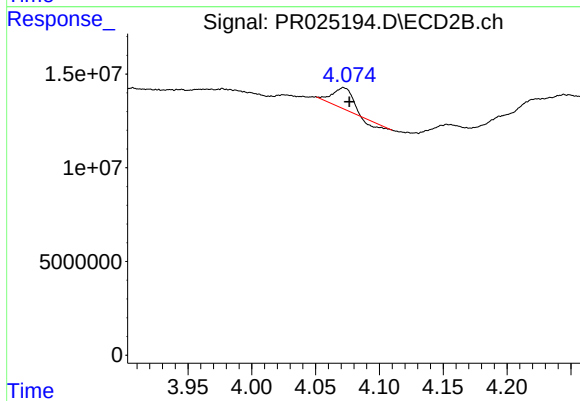
#7 AR-1016-5

R.T.: 5.683 min  
Delta R.T.: 0.029 min  
Response: 51326546  
Conc: 57.38 ng/ml



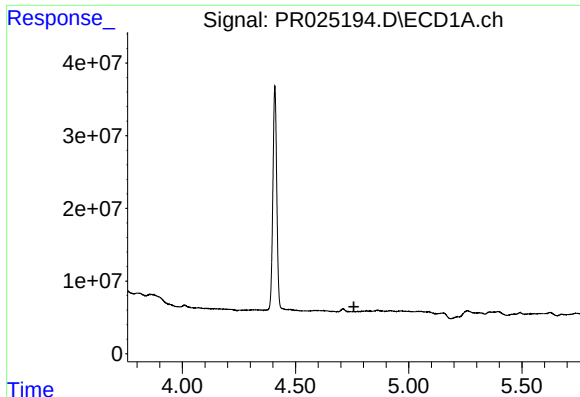
#9 AR-1221-2

R.T.: 0.000 min  
Exp R.T. : 4.682 min  
Response: 0  
Conc: N.D.



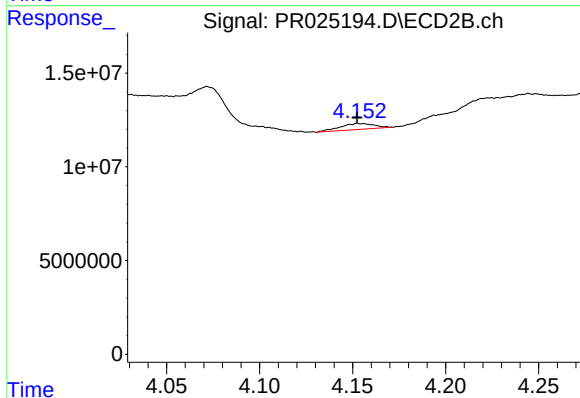
#9 AR-1221-2

R.T.: 4.072 min  
Delta R.T.: -0.004 min  
Response: 8440090  
Conc: 36.06 ng/ml



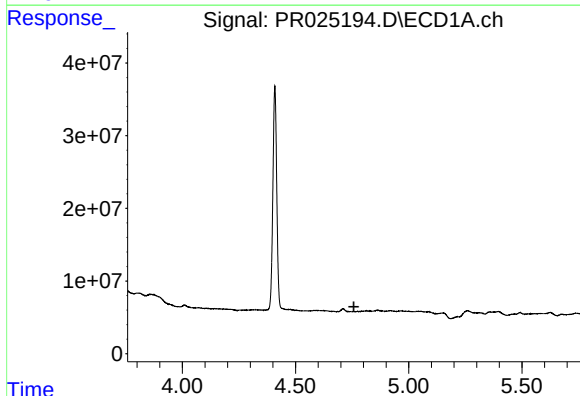
#10 AR-1221-3

R.T.: 0.000 min  
Exp R.T. : 4.758 min  
Response: 0  
Conc: N.D.



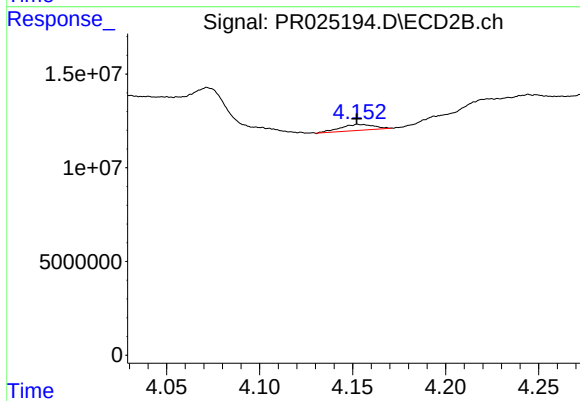
#10 AR-1221-3

R.T.: 4.154 min  
Delta R.T.: 0.001 min  
Response: 3990483  
Conc: 5.71 ng/ml



#11 AR-1232-1

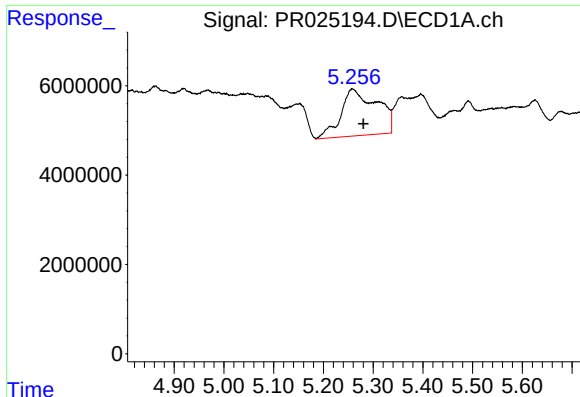
R.T.: 0.000 min  
Exp R.T. : 4.758 min  
Response: 0  
Conc: N.D.



#11 AR-1232-1

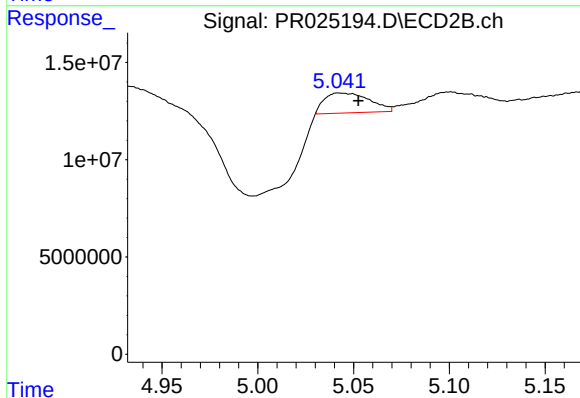
R.T.: 4.154 min  
Delta R.T.: 0.002 min  
Response: 3990483  
Conc: 6.92 ng/ml





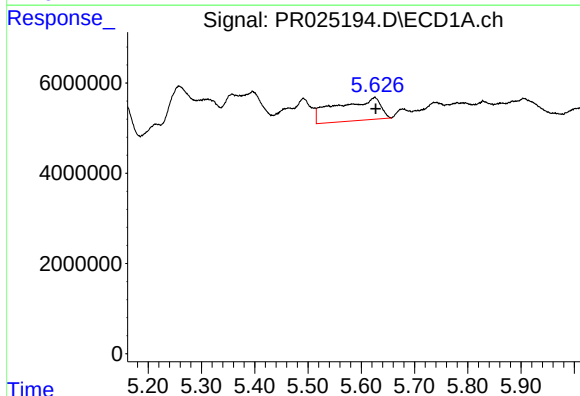
#12 AR-1232-2

R.T.: 5.258 min  
Delta R.T.: -0.022 min  
Response: 52711517  
Conc: 318.80 ng/ml



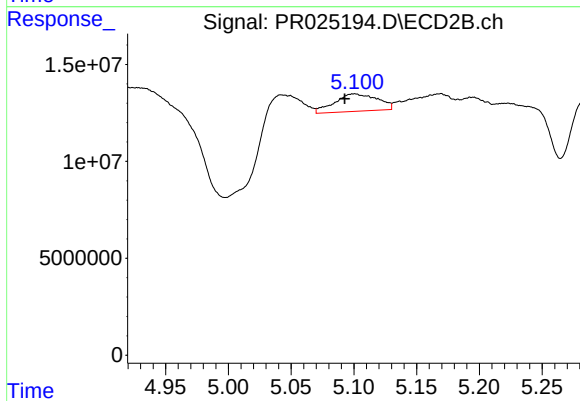
#12 AR-1232-2

R.T.: 5.043 min  
Delta R.T.: -0.010 min  
Response: 16806007  
Conc: 59.01 ng/ml



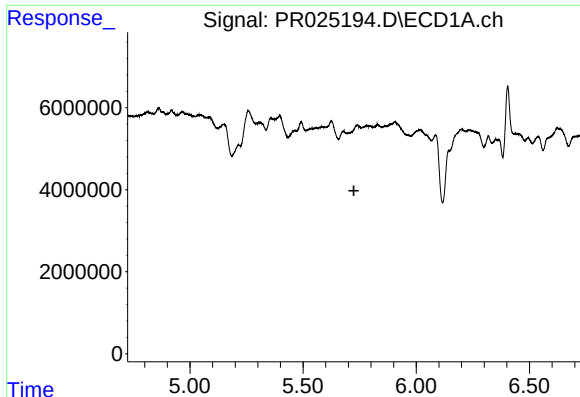
#13 AR-1232-3

R.T.: 5.625 min  
Delta R.T.: -0.002 min  
Response: 28515847  
Conc: 115.11 ng/ml



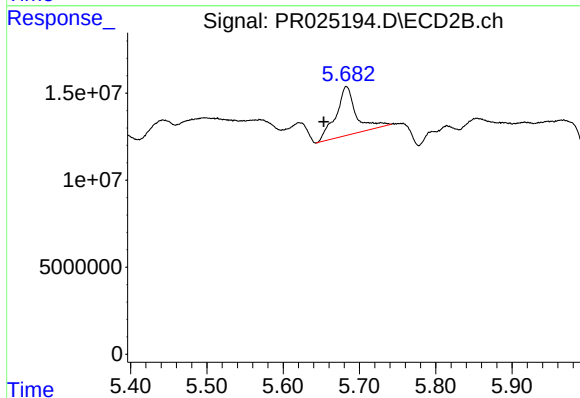
#13 AR-1232-3

R.T.: 5.100 min  
Delta R.T.: 0.008 min  
Response: 21409138  
Conc: 99.77 ng/ml



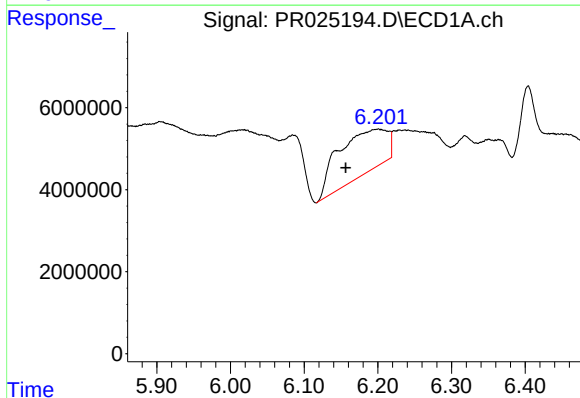
#14 AR-1232-4

R.T.: 0.000 min  
Exp R.T.: 5.724 min  
Response: 0  
Conc: N.D.



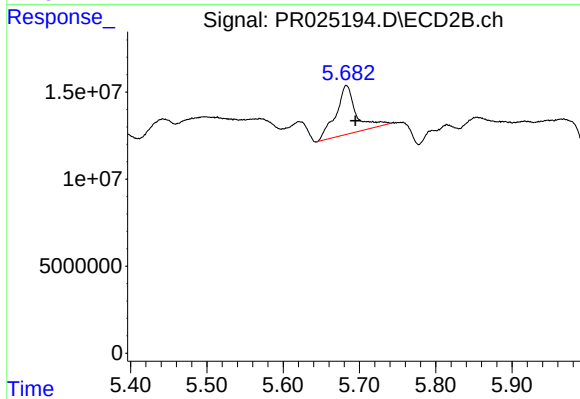
#14 AR-1232-4

R.T.: 5.683 min  
Delta R.T.: 0.030 min  
Response: 51326546  
Conc: 131.74 ng/ml



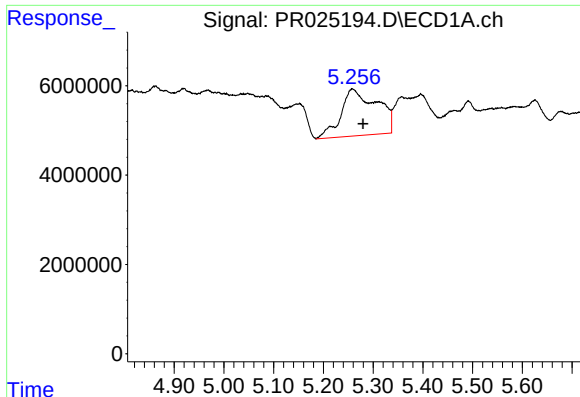
#15 AR-1232-5

R.T.: 6.201 min  
Delta R.T.: 0.044 min  
Response: 49595553  
Conc: 248.54 ng/ml



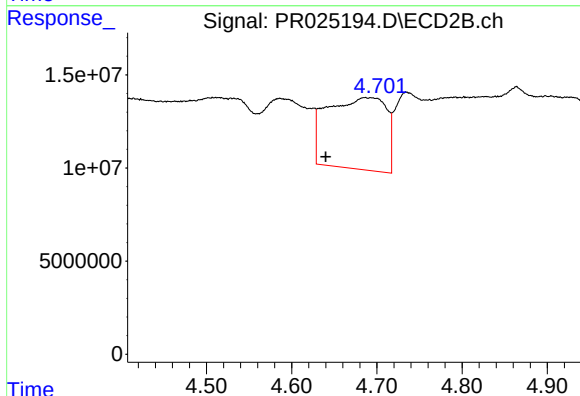
#15 AR-1232-5

R.T.: 5.683 min  
Delta R.T.: -0.012 min  
Response: 51326546  
Conc: 147.23 ng/ml



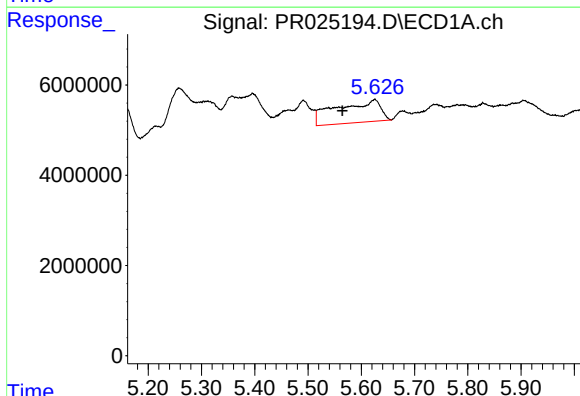
#16 AR-1242-1

R.T.: 5.258 min  
Delta R.T.: -0.021 min  
Response: 52711517  
Conc: 192.94 ng/ml



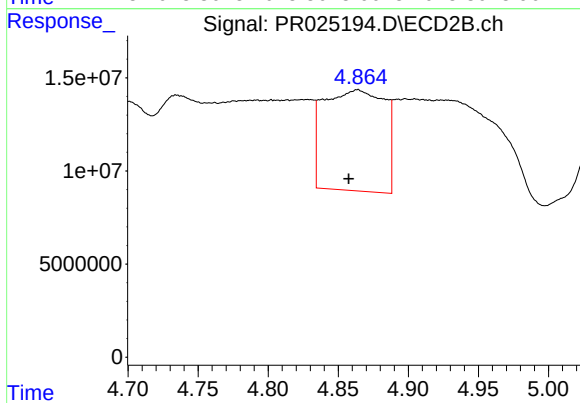
#16 AR-1242-1

R.T.: 4.686 min  
Delta R.T.: 0.046 min  
Response: 184897278  
Conc: 325.97 ng/ml



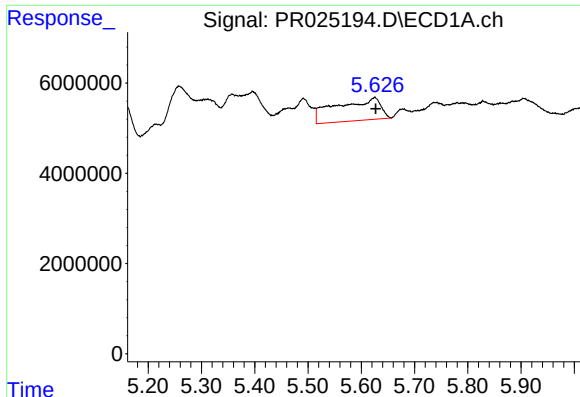
#17 AR-1242-2

R.T.: 5.625 min  
Delta R.T.: 0.061 min  
Response: 28515847  
Conc: 45.29 ng/ml



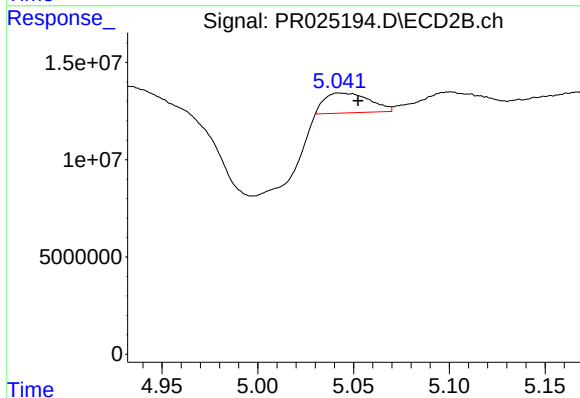
#17 AR-1242-2

R.T.: 4.864 min  
Delta R.T.: 0.006 min  
Response: 163920515  
Conc: 210.34 ng/ml



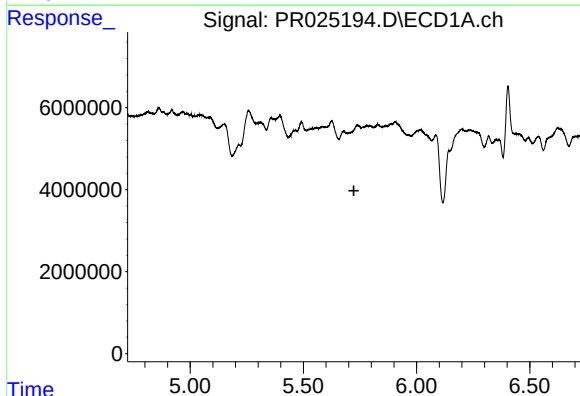
#18 AR-1242-3

R.T.: 5.625 min  
Delta R.T.: -0.001 min  
Response: 28515847  
Conc: 72.04 ng/ml



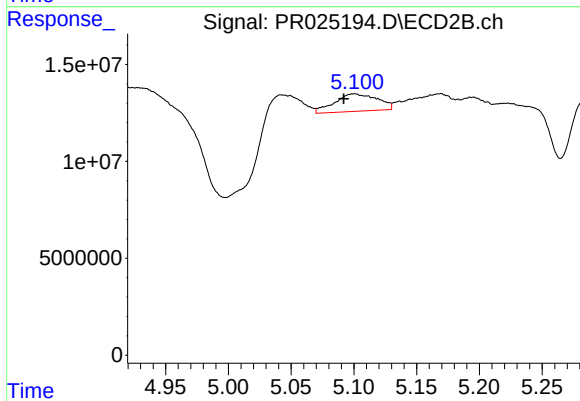
#18 AR-1242-3

R.T.: 5.043 min  
Delta R.T.: -0.010 min  
Response: 16806007  
Conc: 35.99 ng/ml



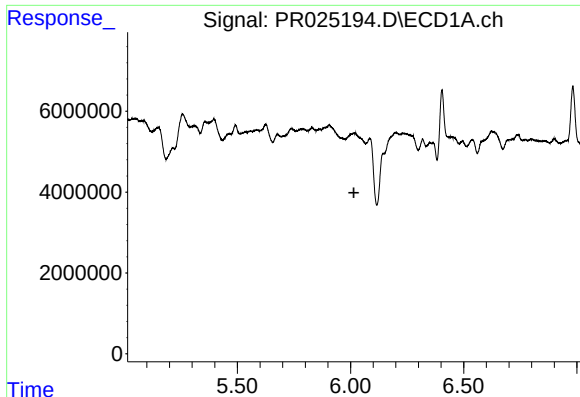
#19 AR-1242-4

R.T.: 0.000 min  
Exp R.T.: 5.723 min  
Response: 0  
Conc: N.D.



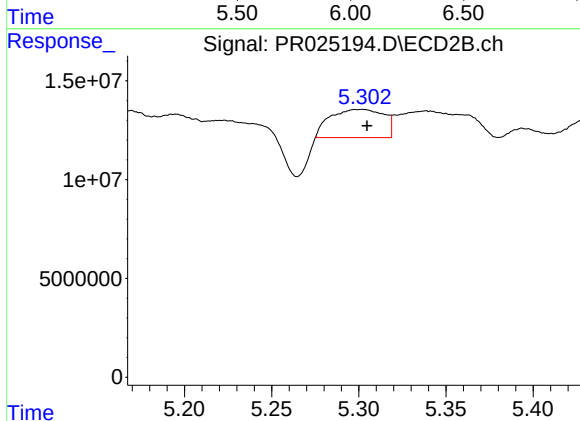
#19 AR-1242-4

R.T.: 5.100 min  
Delta R.T.: 0.008 min  
Response: 21409138  
Conc: 58.81 ng/ml



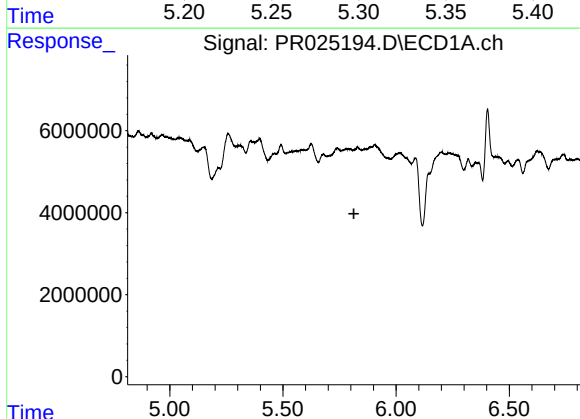
#20 AR-1242-5

R.T.: 0.000 min  
Exp R.T.: 6.015 min  
Response: 0  
Conc: N.D.



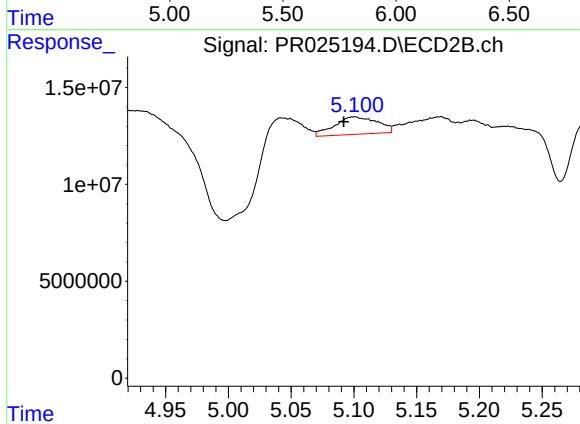
#20 AR-1242-5

R.T.: 5.302 min  
Delta R.T.: -0.003 min  
Response: 30491456  
Conc: 51.09 ng/ml



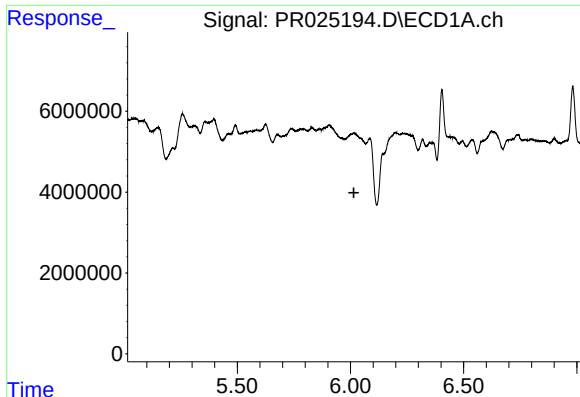
#21 AR-1248-1

R.T.: 0.000 min  
Exp R.T.: 5.813 min  
Response: 0  
Conc: N.D.



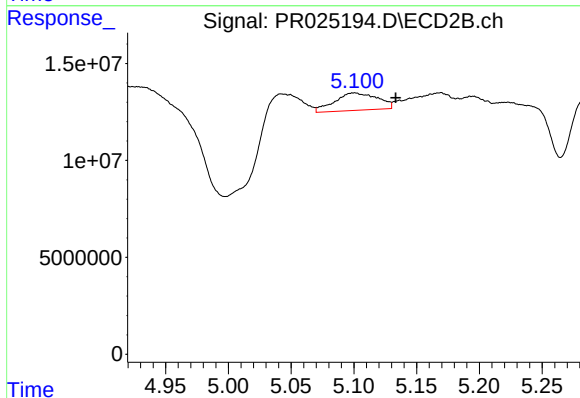
#21 AR-1248-1

R.T.: 5.100 min  
Delta R.T.: 0.008 min  
Response: 21409138  
Conc: 27.55 ng/ml



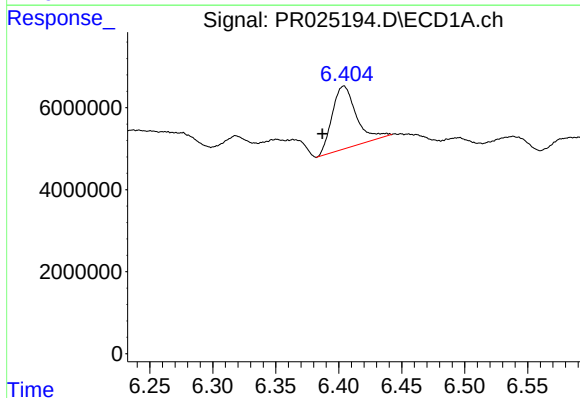
#22 AR-1248-2

R.T.: 0.000 min  
Exp R.T.: 6.015 min  
Response: 0  
Conc: N.D.



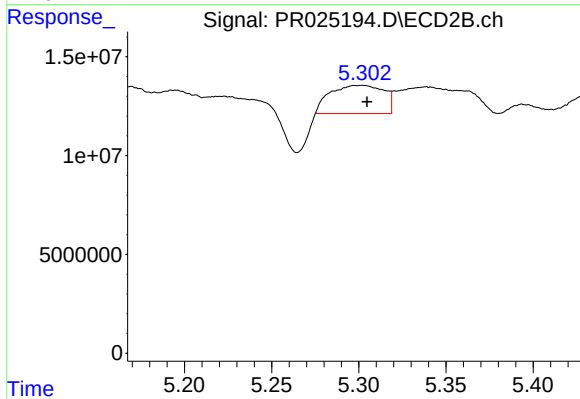
#22 AR-1248-2

R.T.: 5.100 min  
Delta R.T.: -0.033 min  
Response: 21409138  
Conc: 24.44 ng/ml



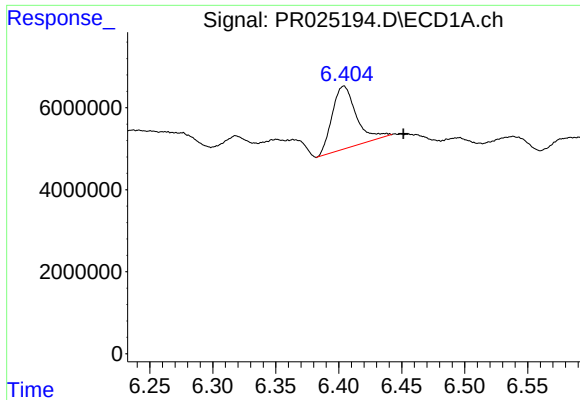
#23 AR-1248-3

R.T.: 6.404 min  
Delta R.T.: 0.017 min  
Response: 20320326  
Conc: 38.63 ng/ml



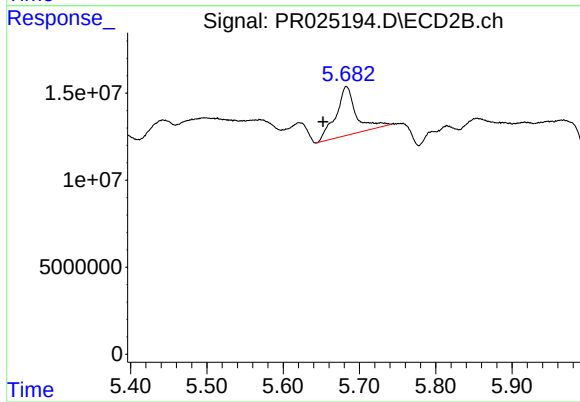
#23 AR-1248-3

R.T.: 5.302 min  
Delta R.T.: -0.003 min  
Response: 30491456  
Conc: 27.51 ng/ml



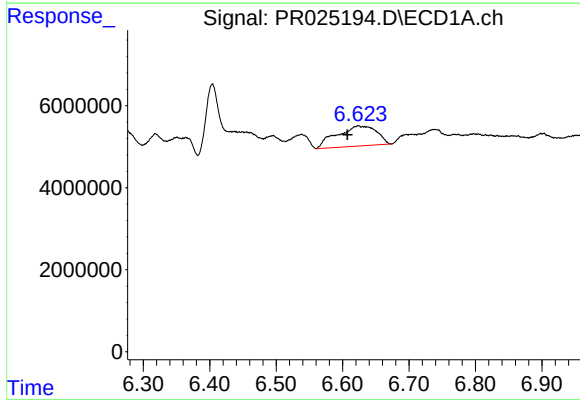
#24 AR-1248-4

R.T.: 6.404 min  
Delta R.T.: -0.047 min  
Response: 20320326  
Conc: 29.49 ng/ml



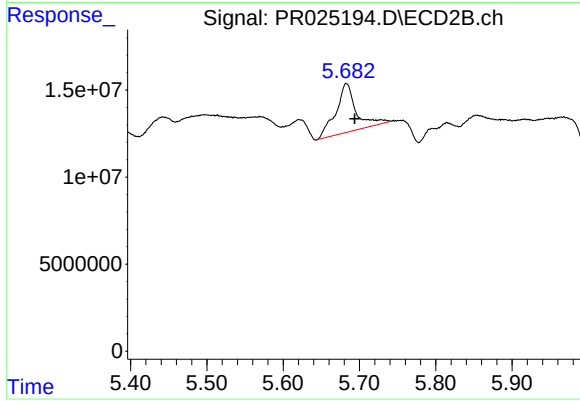
#24 AR-1248-4

R.T.: 5.683 min  
Delta R.T.: 0.031 min  
Response: 51326546  
Conc: 31.84 ng/ml



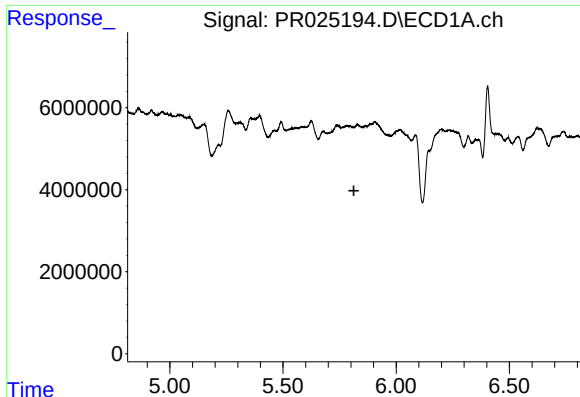
#25 AR-1248-5

R.T.: 6.624 min  
Delta R.T.: 0.017 min  
Response: 20417596  
Conc: 29.29 ng/ml



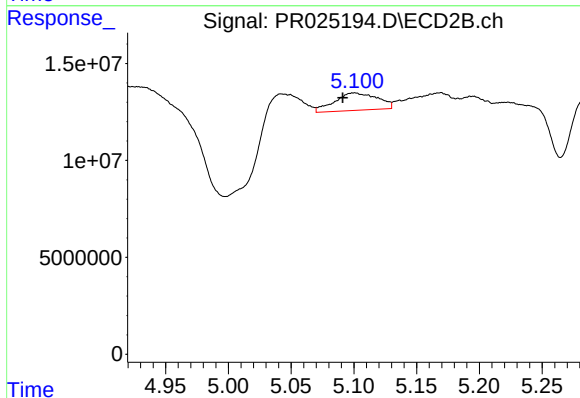
#25 AR-1248-5

R.T.: 5.683 min  
Delta R.T.: -0.011 min  
Response: 51326546  
Conc: 45.28 ng/ml



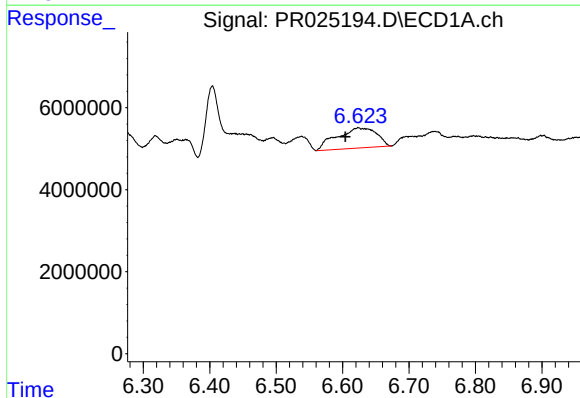
#26 AR-1254-1

R.T.: 0.000 min  
Exp R.T.: 5.813 min  
Response: 0  
Conc: N.D.



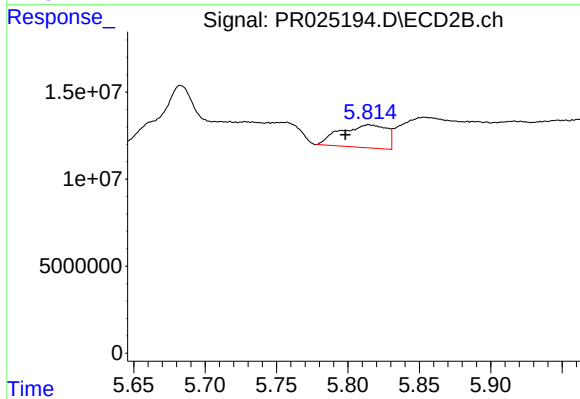
#26 AR-1254-1

R.T.: 5.100 min  
Delta R.T.: 0.009 min  
Response: 21409138  
Conc: 31.56 ng/ml



#27 AR-1254-2

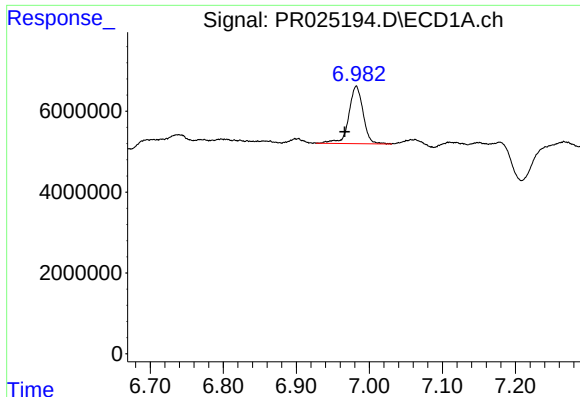
R.T.: 6.624 min  
Delta R.T.: 0.019 min  
Response: 20417596  
Conc: 19.36 ng/ml



#27 AR-1254-2

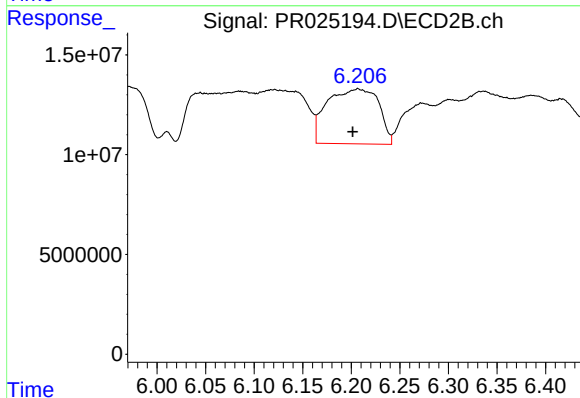
R.T.: 5.815 min  
Delta R.T.: 0.017 min  
Response: 29537671  
Conc: 19.96 ng/ml





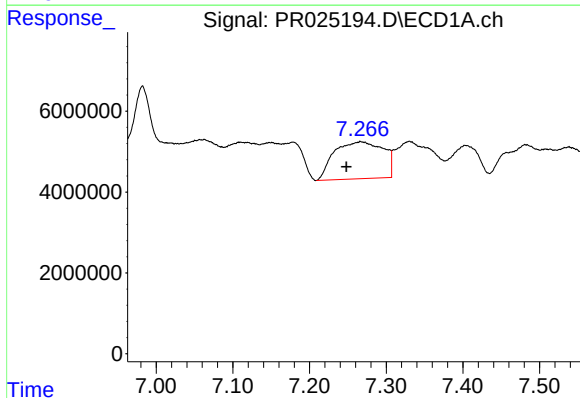
#28 AR-1254-3

R.T.: 6.982 min  
Delta R.T.: 0.016 min  
Response: 19282773  
Conc: 17.12 ng/ml



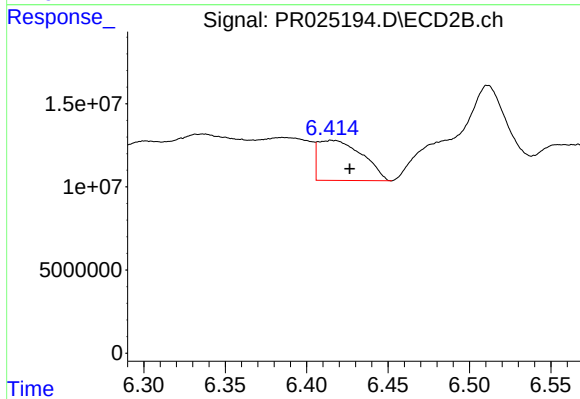
#28 AR-1254-3

R.T.: 6.207 min  
Delta R.T.: 0.005 min  
Response: 100989804  
Conc: 41.25 ng/ml



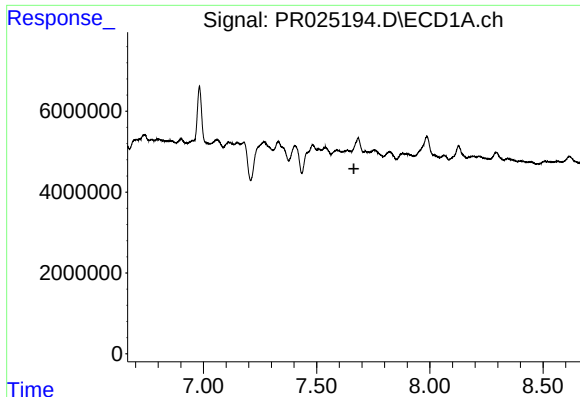
#29 AR-1254-4

R.T.: 7.267 min  
Delta R.T.: 0.019 min  
Response: 40859148  
Conc: 49.95 ng/ml



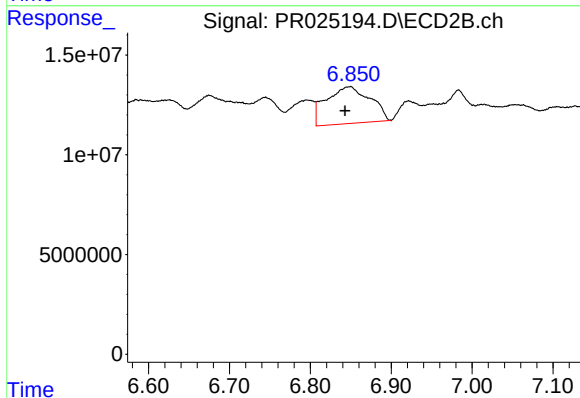
#29 AR-1254-4

R.T.: 6.416 min  
Delta R.T.: -0.011 min  
Response: 45360526  
Conc: 29.97 ng/ml



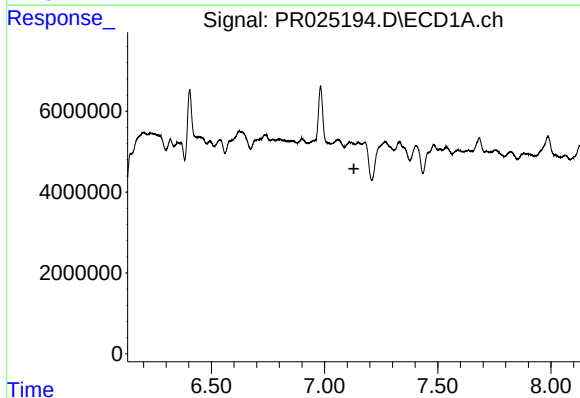
#30 AR-1254-5

R.T.: 0.000 min  
Exp R.T. : 7.664 min  
Response: 0  
Conc: N.D.



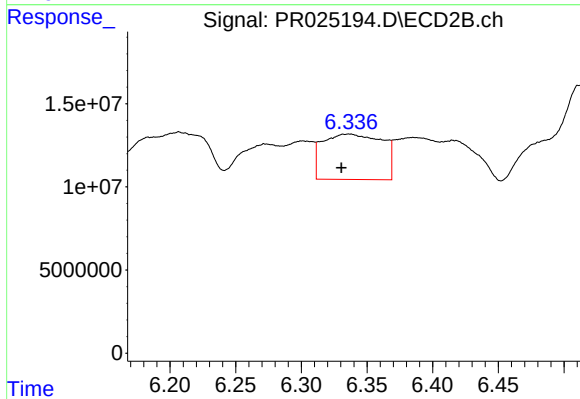
#30 AR-1254-5

R.T.: 6.850 min  
Delta R.T.: 0.007 min  
Response: 69861612  
Conc: 35.03 ng/ml



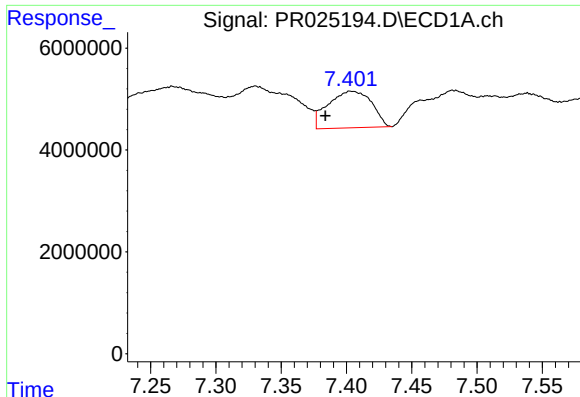
#31 AR-1260-1

R.T.: 0.000 min  
Exp R.T. : 7.130 min  
Response: 0  
Conc: N.D.



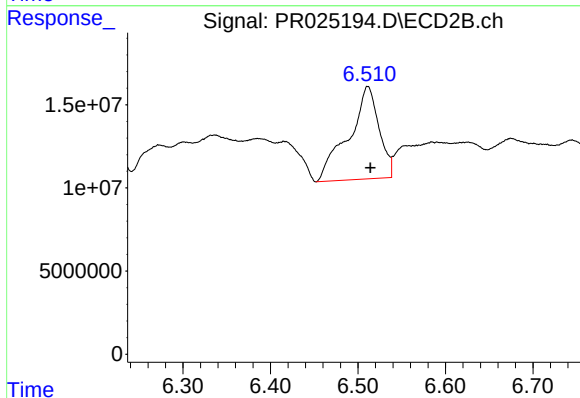
#31 AR-1260-1

R.T.: 6.337 min  
Delta R.T.: 0.006 min  
Response: 86234239  
Conc: 49.66 ng/ml



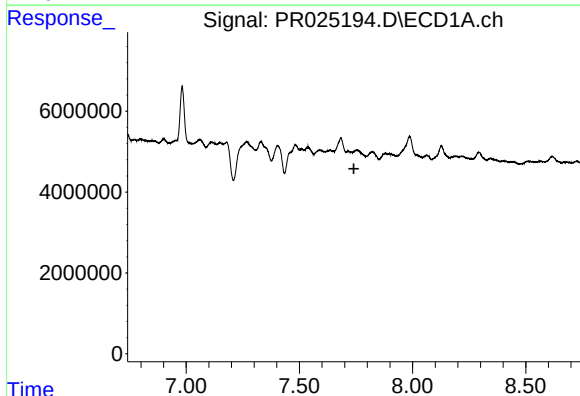
#32 AR-1260-2

R.T.: 7.404 min  
Delta R.T.: 0.020 min  
Response: 16687581  
Conc: 16.30 ng/ml



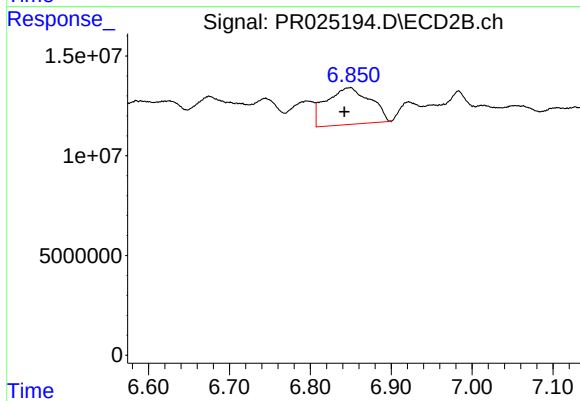
#32 AR-1260-2

R.T.: 6.511 min  
Delta R.T.: -0.003 min  
Response: 134613755  
Conc: 62.40 ng/ml



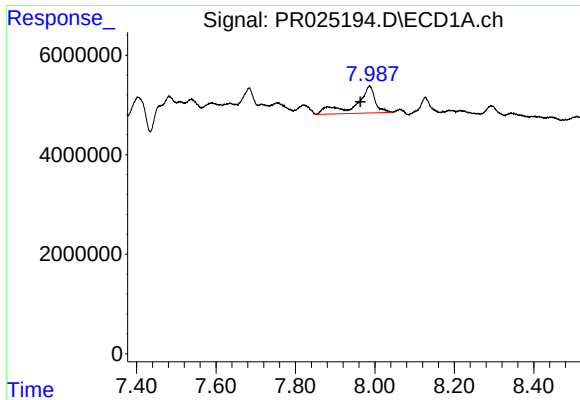
#33 AR-1260-3

R.T.: 0.000 min  
Exp R.T.: 7.741 min  
Response: 0  
Conc: N.D.



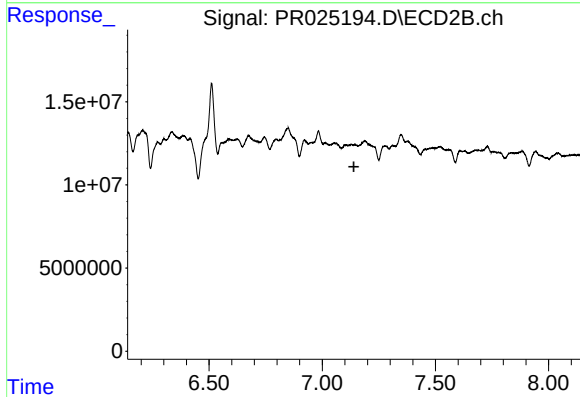
#33 AR-1260-3

R.T.: 6.850 min  
Delta R.T.: 0.008 min  
Response: 69861612  
Conc: 30.71 ng/ml



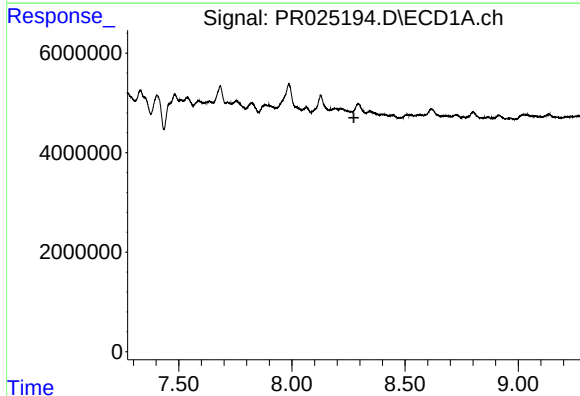
#34 AR-1260-4

R.T.: 7.987 min  
Delta R.T.: 0.023 min  
Response: 18130437  
Conc: 21.39 ng/ml



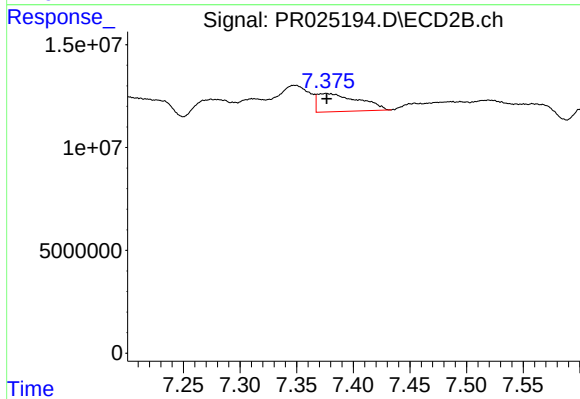
#34 AR-1260-4

R.T.: 0.000 min  
Exp R.T.: 7.140 min  
Response: 0  
Conc: N.D.



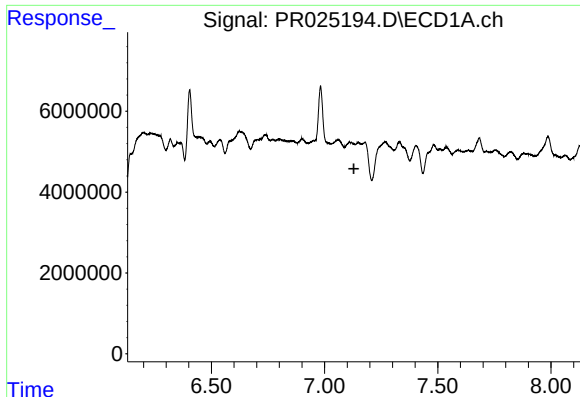
#35 AR-1260-5

R.T.: 0.000 min  
Exp R.T.: 8.274 min  
Response: 0  
Conc: N.D.



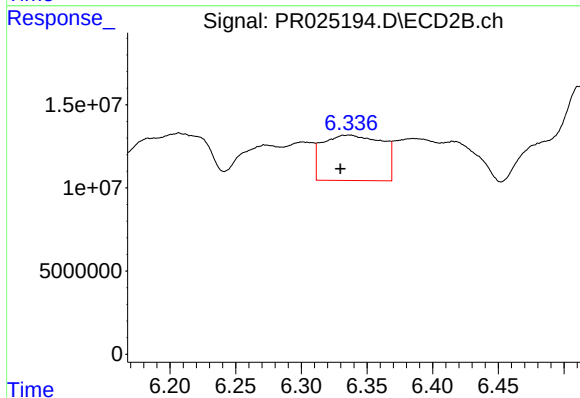
#35 AR-1260-5

R.T.: 7.376 min  
Delta R.T.: 0.000 min  
Response: 22399851  
Conc: 6.34 ng/ml



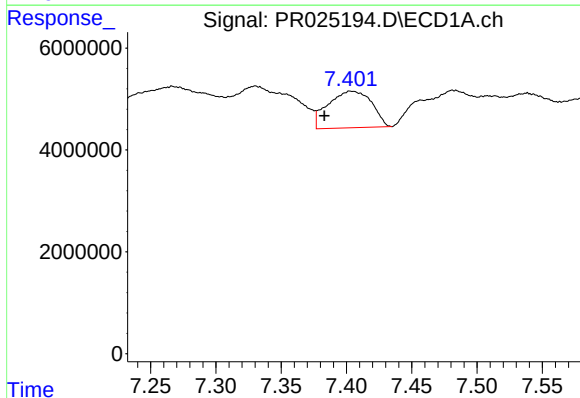
#36 AR-1262-1

R.T.: 0.000 min  
Exp R.T.: 7.130 min  
Response: 0  
Conc: N.D.



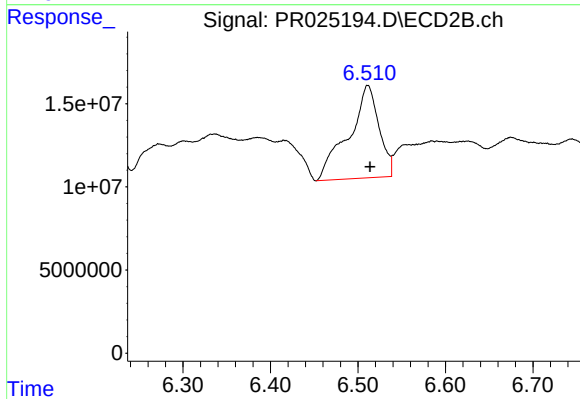
#36 AR-1262-1

R.T.: 6.337 min  
Delta R.T.: 0.007 min  
Response: 86234239  
Conc: 71.22 ng/ml



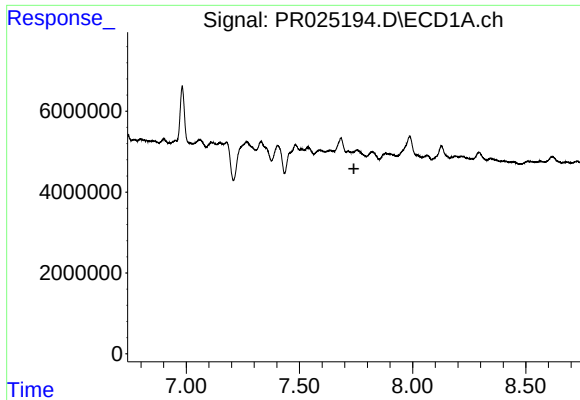
#37 AR-1262-2

R.T.: 7.404 min  
Delta R.T.: 0.021 min  
Response: 16687581  
Conc: 23.90 ng/ml



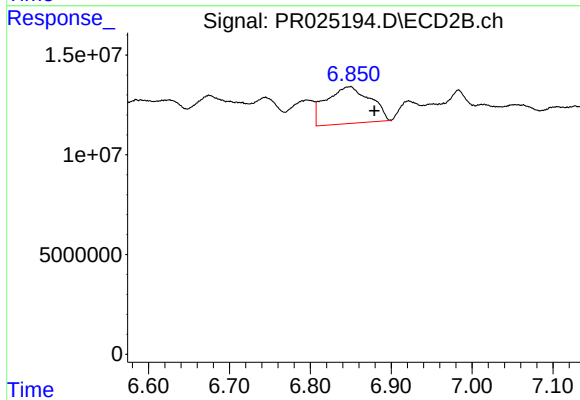
#37 AR-1262-2

R.T.: 6.511 min  
Delta R.T.: -0.003 min  
Response: 134613755  
Conc: 94.77 ng/ml



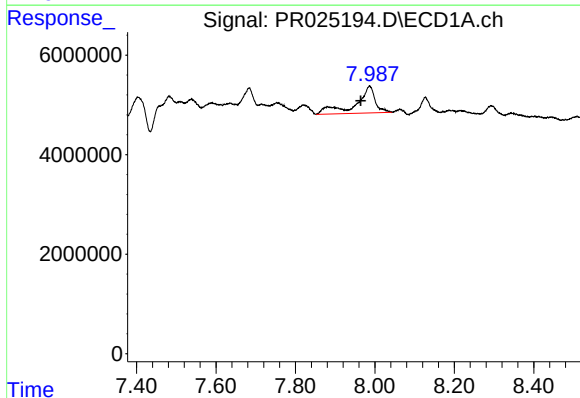
#38 AR-1262-3

R.T.: 0.000 min  
Exp R.T.: 7.741 min  
Response: 0  
Conc: N.D.



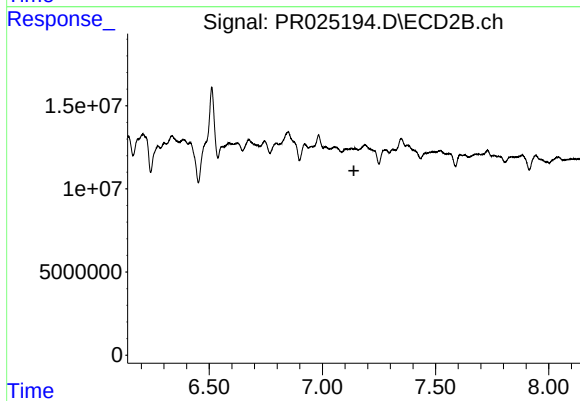
#38 AR-1262-3

R.T.: 6.850 min  
Delta R.T.: -0.030 min  
Response: 69861612  
Conc: 36.32 ng/ml



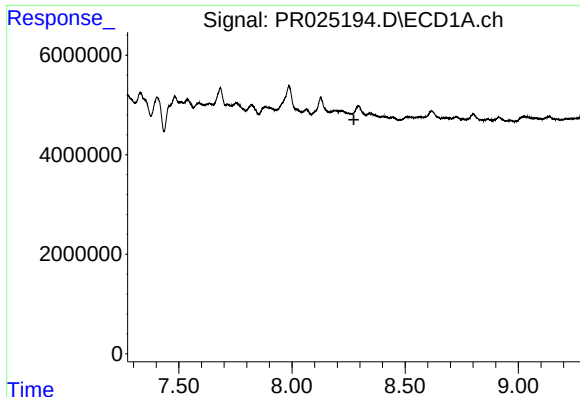
#39 AR-1262-4

R.T.: 7.987 min  
Delta R.T.: 0.023 min  
Response: 18130437  
Conc: 21.28 ng/ml



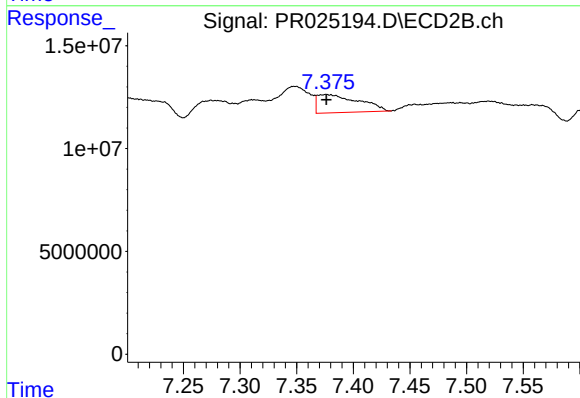
#39 AR-1262-4

R.T.: 0.000 min  
Exp R.T.: 7.139 min  
Response: 0  
Conc: N.D.



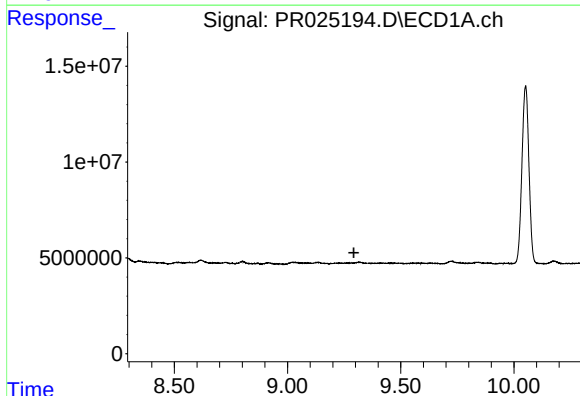
#40 AR-1262-5

R.T.: 0.000 min  
Exp R.T. : 8.274 min  
Response: 0  
Conc: N.D.



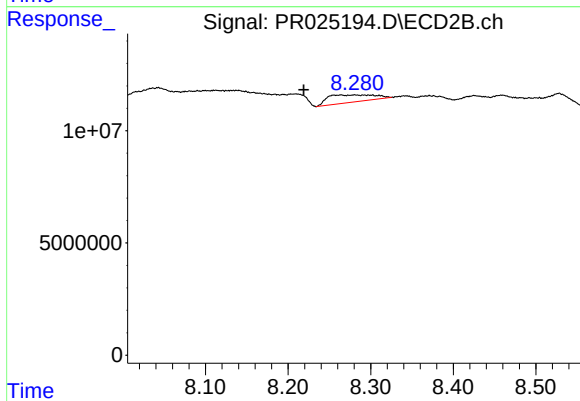
#40 AR-1262-5

R.T.: 7.376 min  
Delta R.T.: 0.000 min  
Response: 22399851  
Conc: 6.59 ng/ml



#44 AR-1268-4

R.T.: 0.000 min  
Exp R.T. : 9.293 min  
Response: 0  
Conc: N.D.



#44 AR-1268-4

R.T.: 8.281 min  
Delta R.T.: 0.062 min  
Response: 13030630  
Conc: 11.67 ng/ml