

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD091522AL\  
 Data File : FD043890.D  
 Signal(s) : FID2B.ch  
 Acq On : 15 Sep 2022 10:48  
 Operator : YP/AJ  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 53 Sample Multiplier: 1

Instrument :  
 FID\_D  
 ClientSampleId :  
 20 PPM ALIPHATIC HC STD

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 09/15/2022  
 Supervised By :Ankita Jodhani 09/16/2022

Integration File: autoint1.e  
 Quant Time: Sep 15 13:26:41 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aliphatic EPH 090722.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Sep 07 17:10:44 2022  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 ul  
 Signal Phase : Rxi-1ms  
 Signal Info : 20M x 0.18mm x 0.18um

| Compound                       | R.T.   | Response   | Conc Units    |
|--------------------------------|--------|------------|---------------|
| -----                          |        |            |               |
| System Monitoring Compounds    |        |            |               |
| 9) S ortho-Terphenyl (SURR)    | 11.315 | 3777778    | 22.089 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 44.18%        |
| 12) S 1-chlorooctadecane (S... | 12.733 | 2939660    | 22.093 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 44.19%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.150  | 3231547    | 22.439 ug/ml  |
| 2) T n-Decane (C10)            | 4.198  | 3270789    | 22.556 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 5.767  | 3368075    | 23.806 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.194  | 3366891    | 22.506 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 6.813  | 3338725    | 24.192 ug/ml  |
| 6) T n-Tetradecane (C14)       | 7.974  | 3440091    | 22.528 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.562  | 3447639    | 22.540 ug/ml  |
| 8) T n-Octadecane (C18)        | 10.993 | 3488125    | 22.123 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.292 | 3504030    | 21.898 ug/ml  |
| 11) T n-Heneicosane (C21)      | 12.899 | 3498475    | 21.686 ug/ml  |
| 13) T n-Docosane (C22)         | 13.479 | 3476543    | 21.621 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.572 | 3385239    | 21.361 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.582 | 3254762    | 20.898 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.523 | 3075132    | 20.310 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.401 | 2960106    | 19.867 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.223 | 2781070    | 19.482 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 18.996 | 2394323    | 18.319 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 19.727 | 2029496    | 16.398 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 20.418 | 1851147    | 15.845 ug/mlm |
| 22) T n-Tetracontane (C40)     | 21.182 | 2038806    | 18.447 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Misc :  
ALS Vial : 53 Sample Multiplier: 1

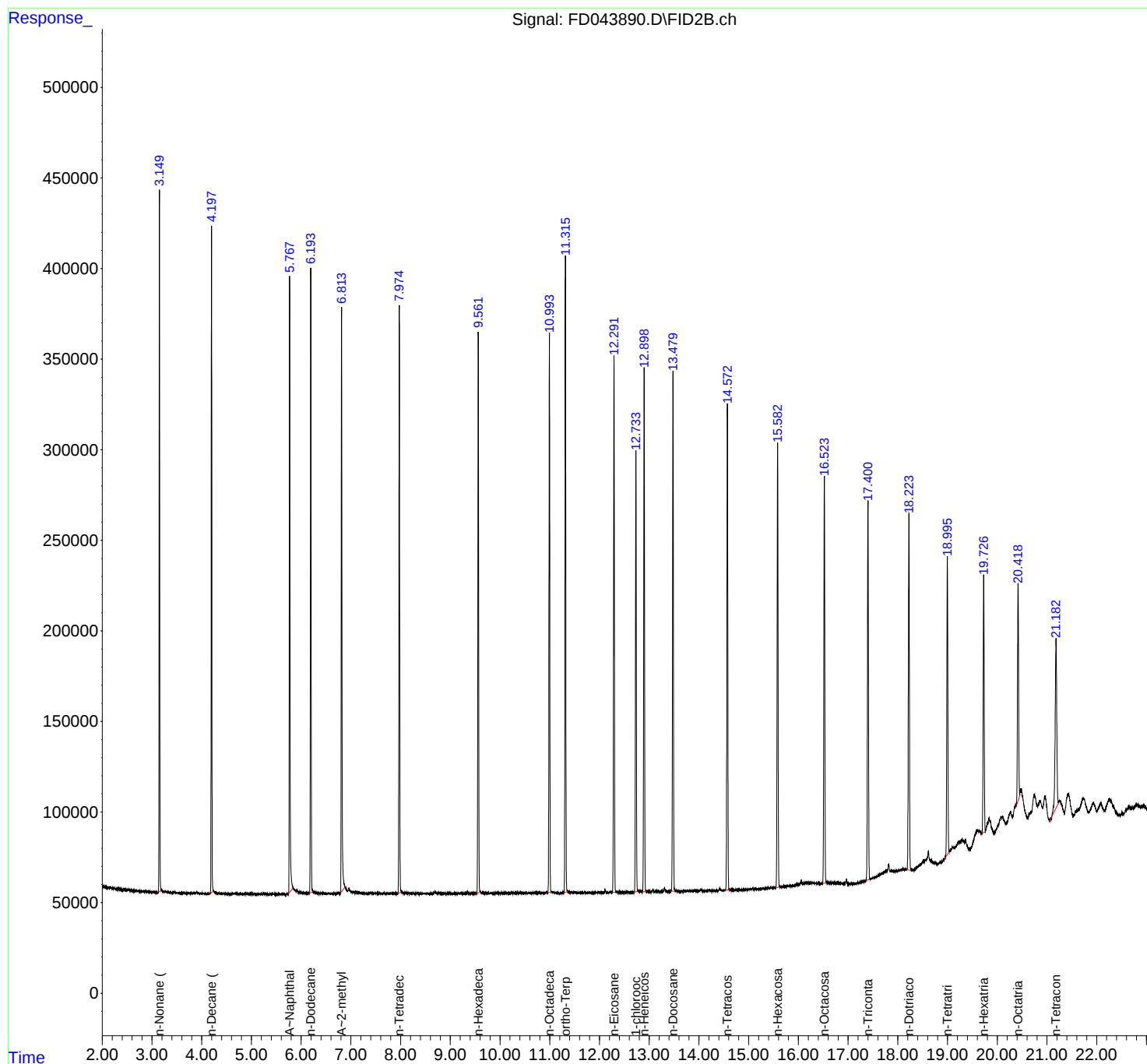
Instrument :  
FID\_D  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

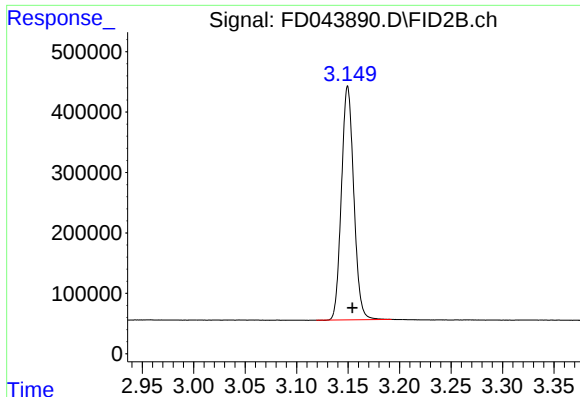
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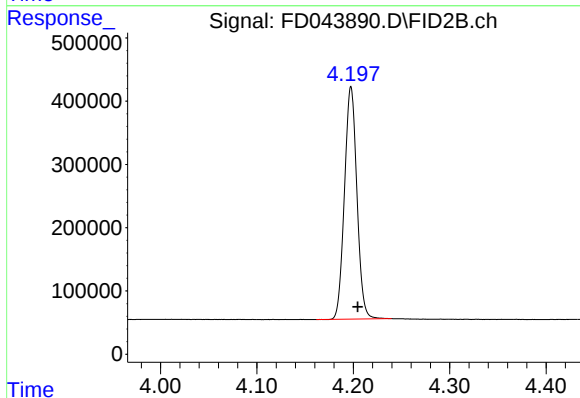
#1 n-Nonane (C9)

R.T.: 3.150 min  
Delta R.T.: -0.004 min  
Response: 3231547  
Conc: 22.44 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

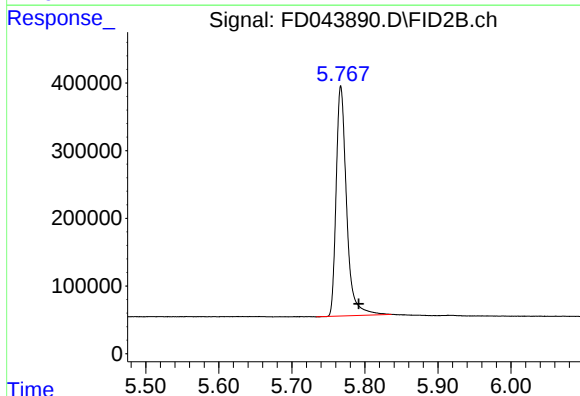
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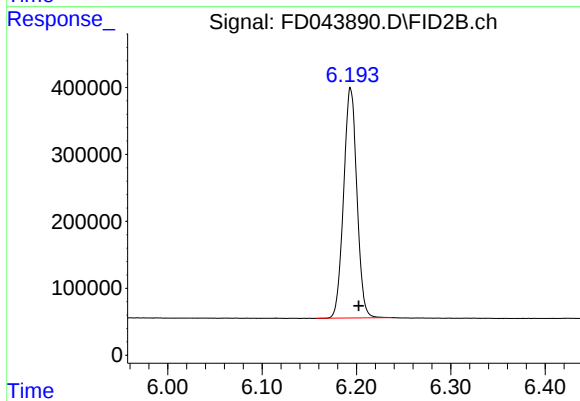
#2 n-Decane (C10)

R.T.: 4.198 min  
Delta R.T.: -0.007 min  
Response: 3270789  
Conc: 22.56 ug/ml



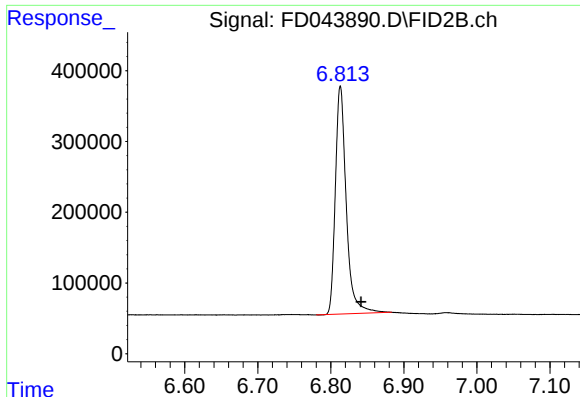
#3 A~Naphthalene (C11.7)

R.T.: 5.767 min  
Delta R.T.: -0.025 min  
Response: 3368075  
Conc: 23.81 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.194 min  
Delta R.T.: -0.009 min  
Response: 3366891  
Conc: 22.51 ug/ml



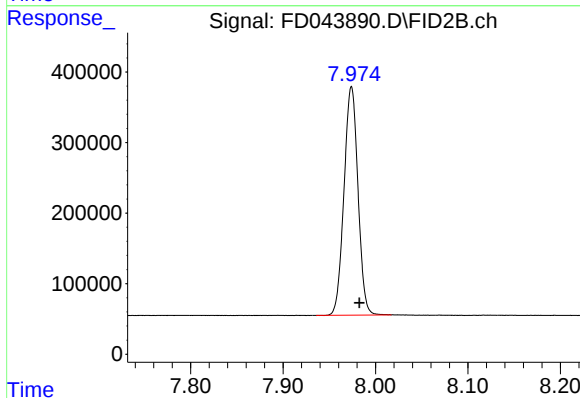
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.813 min  
Delta R.T.: -0.028 min  
Response: 3338725  
Conc: 24.19 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

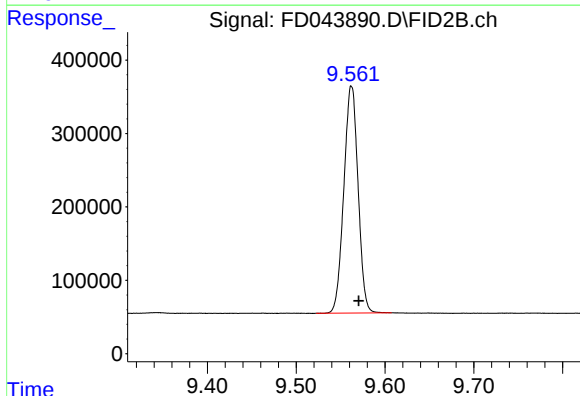
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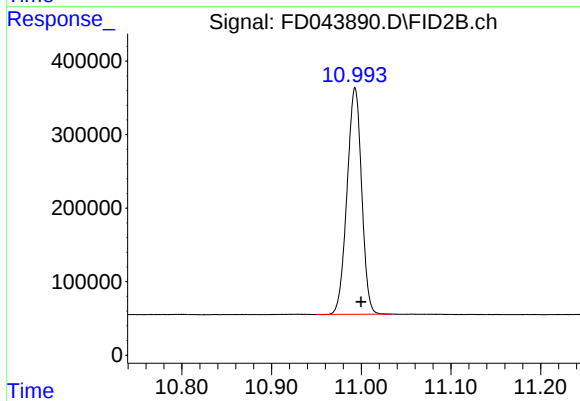
#6 n-Tetradecane (C14)

R.T.: 7.974 min  
Delta R.T.: -0.008 min  
Response: 3400091  
Conc: 22.53 ug/ml



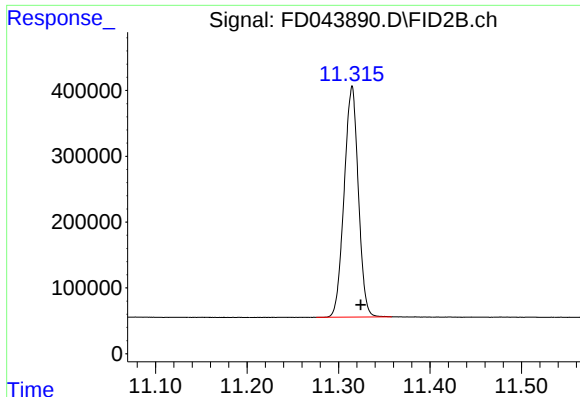
#7 n-Hexadecane (C16)

R.T.: 9.562 min  
Delta R.T.: -0.008 min  
Response: 3447639  
Conc: 22.54 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.993 min  
Delta R.T.: -0.006 min  
Response: 3488125  
Conc: 22.12 ug/ml



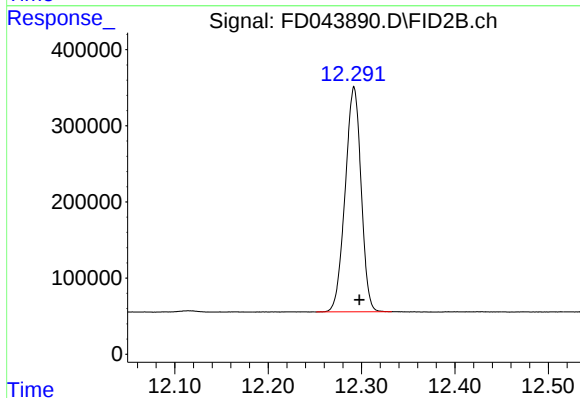
#9 ortho-Terphenyl (SURR)

R.T.: 11.315 min  
Delta R.T.: -0.009 min  
Response: 3777778  
Conc: 22.09 ug/ml

Instrument :  
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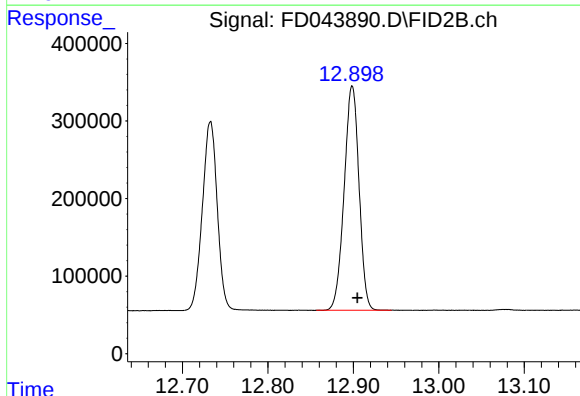
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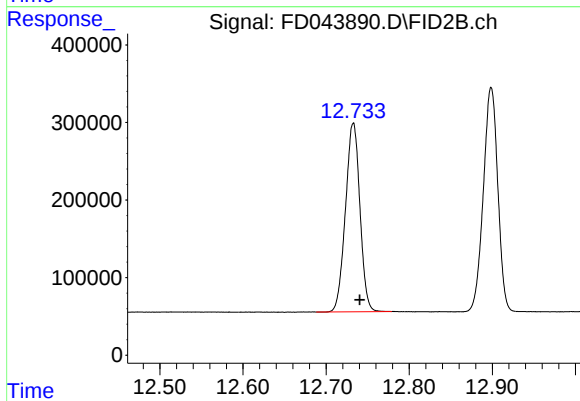
#10 n-Eicosane (C20)

R.T.: 12.292 min  
Delta R.T.: -0.006 min  
Response: 3504030  
Conc: 21.90 ug/ml



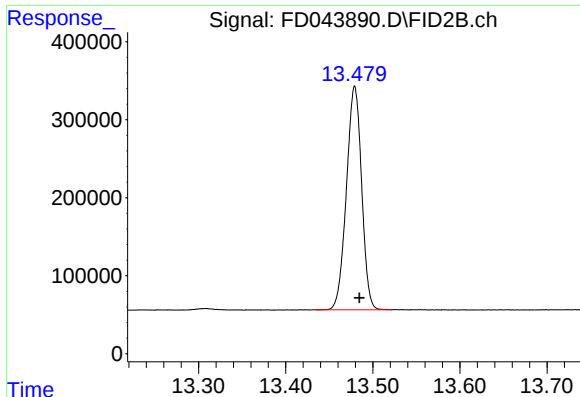
#11 n-Heneicosane (C21)

R.T.: 12.899 min  
Delta R.T.: -0.006 min  
Response: 3498475  
Conc: 21.69 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.733 min  
Delta R.T.: -0.008 min  
Response: 2939660  
Conc: 22.09 ug/ml



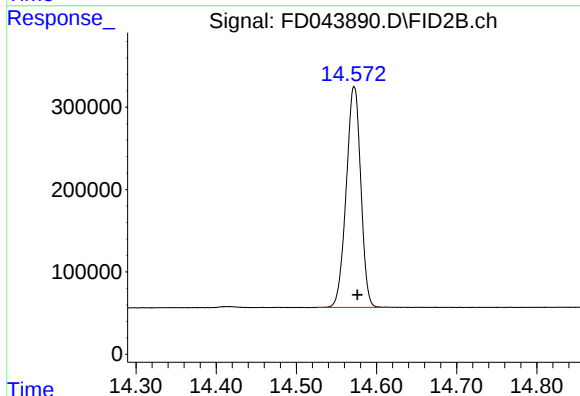
#13 n-Docosane (C22)

R.T.: 13.479 min  
Delta R.T.: -0.005 min  
Response: 3476543  
Conc: 21.62 ug/ml

Instrument :  
FID\_D  
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20 PPM ALIPHATIC HC STD

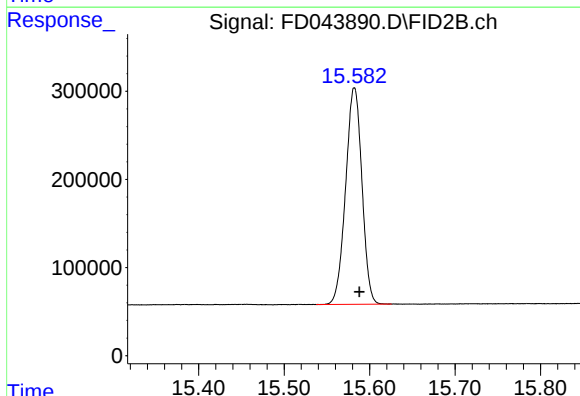
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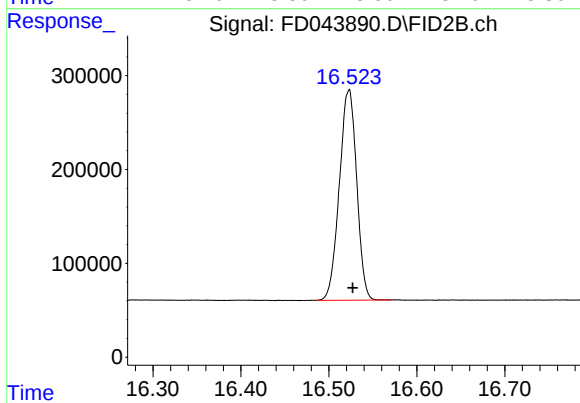
#14 n-Tetracosane (C24)

R.T.: 14.572 min  
Delta R.T.: -0.004 min  
Response: 3385239  
Conc: 21.36 ug/ml



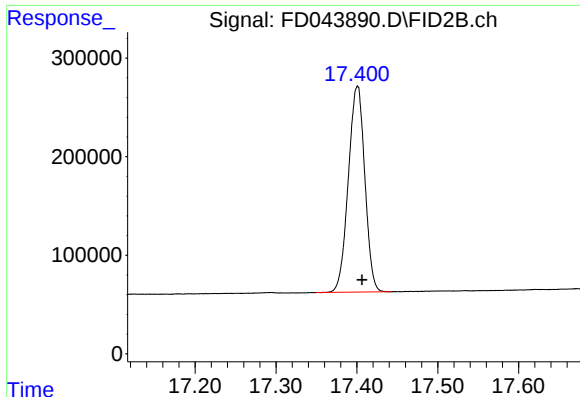
#15 n-Hexacosane (C26)

R.T.: 15.582 min  
Delta R.T.: -0.006 min  
Response: 3254762  
Conc: 20.90 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.523 min  
Delta R.T.: -0.004 min  
Response: 3075132  
Conc: 20.31 ug/ml



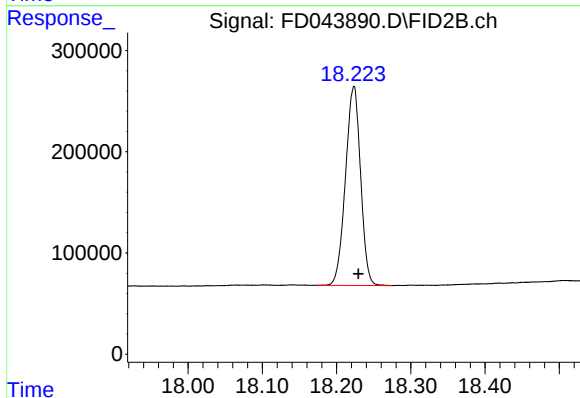
#17 n-Tricontane (C30)

R.T.: 17.401 min  
Delta R.T.: -0.006 min  
Response: 2960106  
Conc: 19.87 ug/ml

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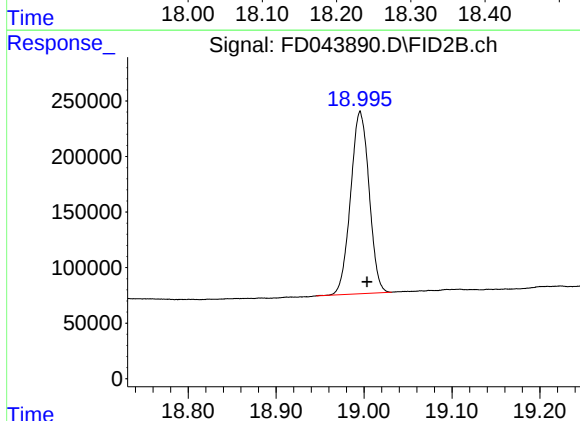
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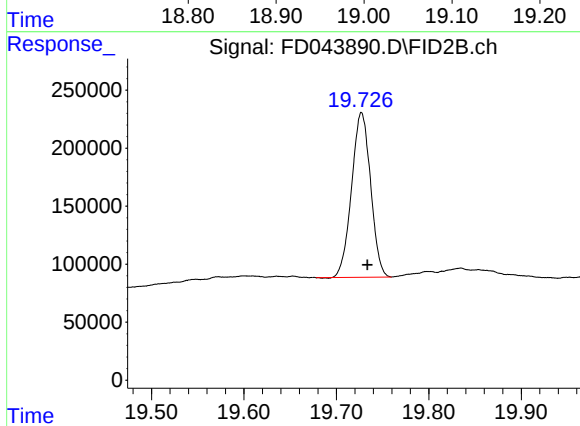
#18 n-Dotriacontane (C32)

R.T.: 18.223 min  
Delta R.T.: -0.006 min  
Response: 2781070  
Conc: 19.48 ug/ml



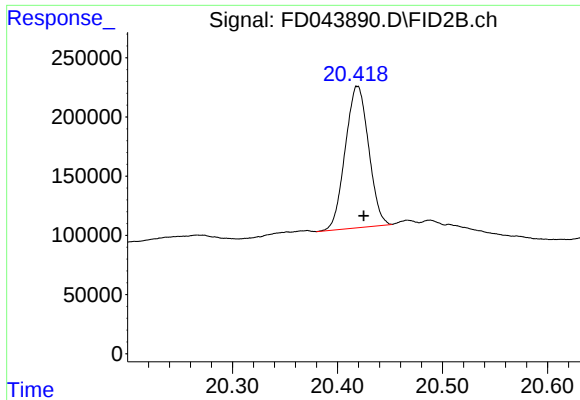
#19 n-Tetratriacontane (C34)

R.T.: 18.996 min  
Delta R.T.: -0.008 min  
Response: 2394323  
Conc: 18.32 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.727 min  
Delta R.T.: -0.006 min  
Response: 2029496  
Conc: 16.40 ug/ml



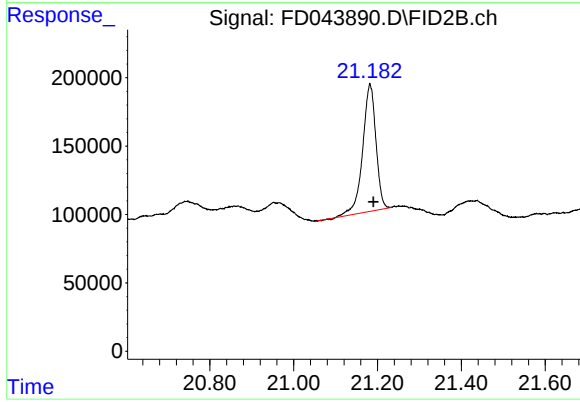
#21 n-Octatriacontane (C38)

R.T.: 20.418 min  
Delta R.T.: -0.007 min  
Response: 1851147  
Conc: 15.85 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.182 min  
Delta R.T.: -0.008 min  
Response: 2038806  
Conc: 18.45 ug/ml