

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD042721AL\  
 Data File : FD037189.D  
 Signal(s) : FID2B.CH  
 Acq On : 27 Apr 2021 23:17  
 Operator : DD\AJ  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 52 Sample Multiplier: 1

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

Manual Integrations  
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Integration File: autoint1.e  
 Quant Time: Apr 28 07:20:16 2021  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Alaphatic EPH 042121.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Apr 22 03:31:40 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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)    | 11.474 | 2343487    | 20.070 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 40.14%        |
| 12) S 1-chlorooctadecane (S... | 12.908 | 1771886    | 20.944 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 41.89%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.273  | 2457003    | 20.853 ug/mlm |
| 2) T n-Decane (C10)            | 4.335  | 2498805    | 21.070 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 5.909  | 2741376    | 20.890 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.345  | 2484757    | 20.924 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 6.961  | 2728849    | 20.811 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.133  | 2409238    | 20.813 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.728  | 2254246    | 20.504 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.163 | 2234234    | 20.377 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.466 | 2144348    | 20.215 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.075 | 2100255    | 19.991 ug/ml  |
| 13) T n-Docosane (C22)         | 13.658 | 2082027    | 20.253 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.755 | 2098634    | 20.718 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.771 | 2063401    | 21.126 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.715 | 2086334    | 21.705 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.597 | 2127203    | 22.119 ug/mlm |
| 18) T n-Dotriacontane (C32)    | 18.424 | 2429787    | 24.705 ug/mlm |
| 19) T n-Tetratriacontane (C34) | 19.203 | 2092747    | 22.048 ug/mlm |
| 20) T n-Hexatriacontane (C36)  | 19.938 | 2076955    | 22.054 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 20.649 | 1911194    | 22.199 ug/mlm |
| 22) T n-Tetracontane (C40)     | 21.508 | 2096065    | 21.846 ug/mlm |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 52 Sample Multiplier: 1

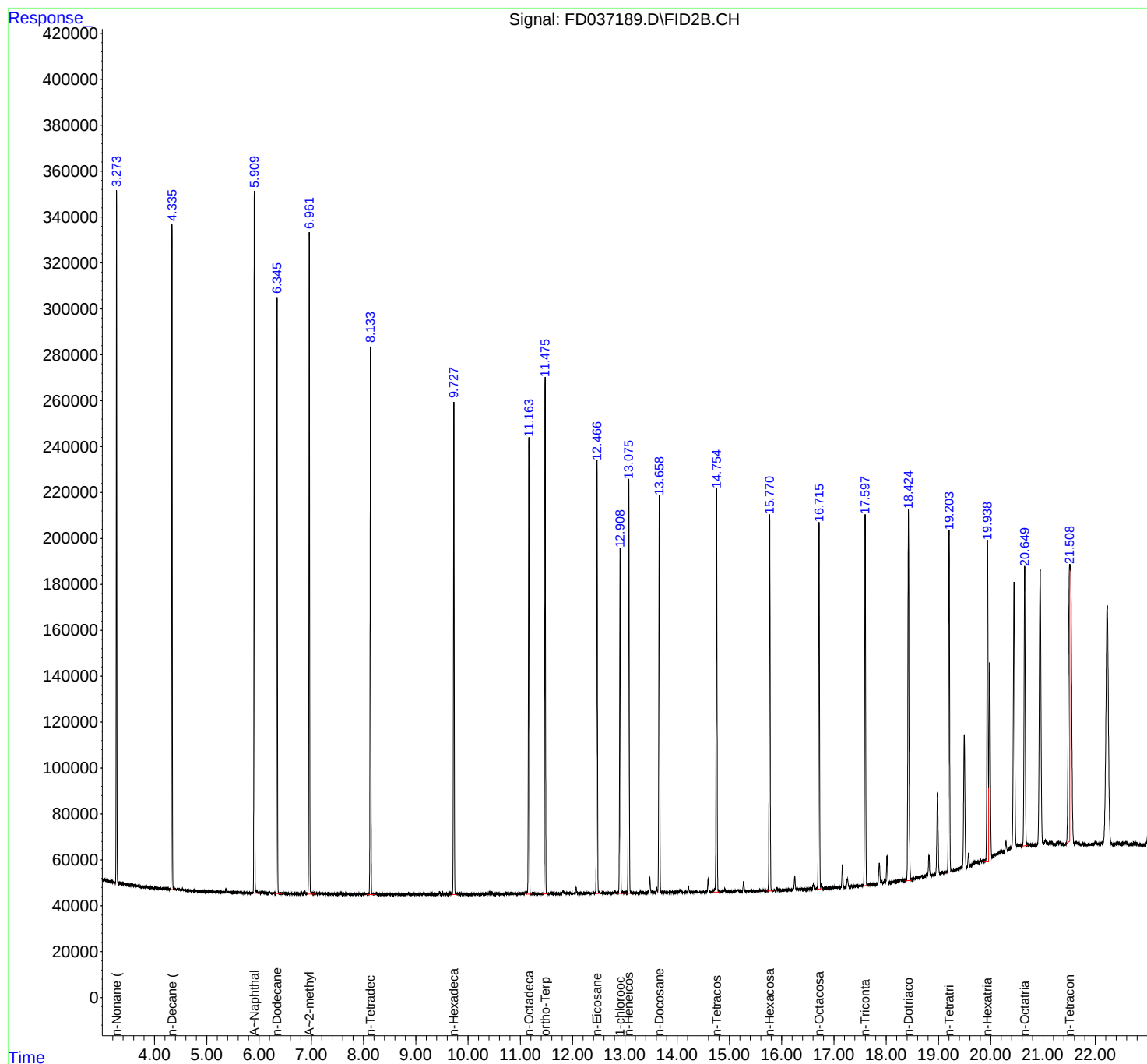
Instrument :  
FID\_D  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

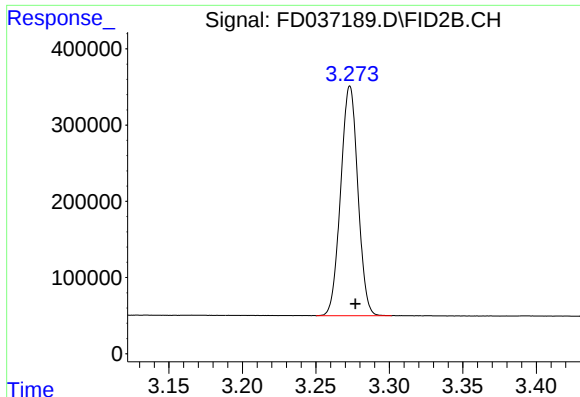
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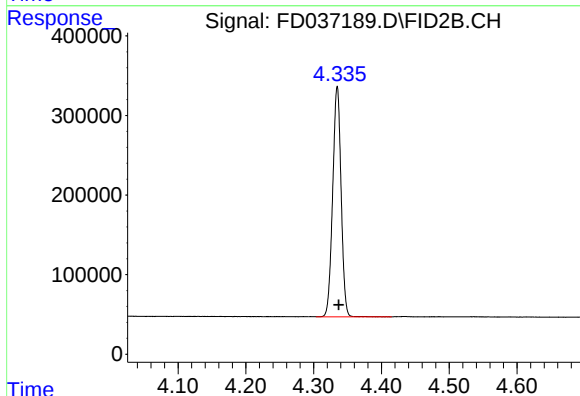
#1 n-Nonane (C9)

R.T.: 3.273 min  
Delta R.T.: -0.004 min  
Response: 2457003  
Conc: 20.85 ug/ml m

Instrument :  
FID\_D  
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20 PPM ALIPHATIC HC STD

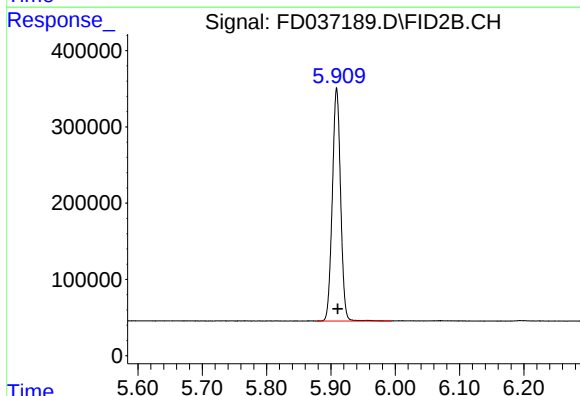
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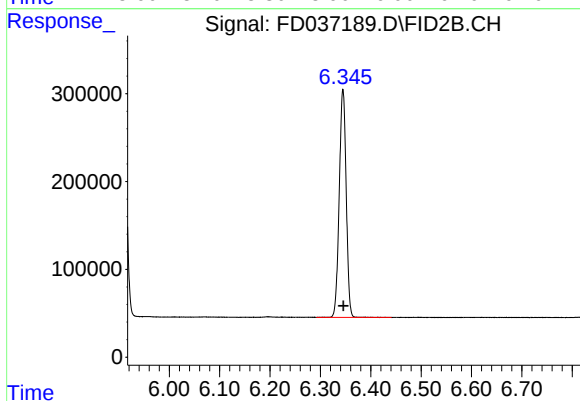
#2 n-Decane (C10)

R.T.: 4.335 min  
Delta R.T.: -0.002 min  
Response: 2498805  
Conc: 21.07 ug/ml



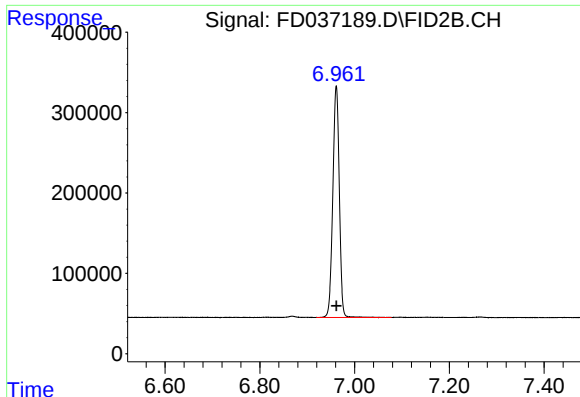
#3 A~Naphthalene (C11.7)

R.T.: 5.909 min  
Delta R.T.: -0.002 min  
Response: 2741376  
Conc: 20.89 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.345 min  
Delta R.T.: -0.001 min  
Response: 2484757  
Conc: 20.92 ug/ml



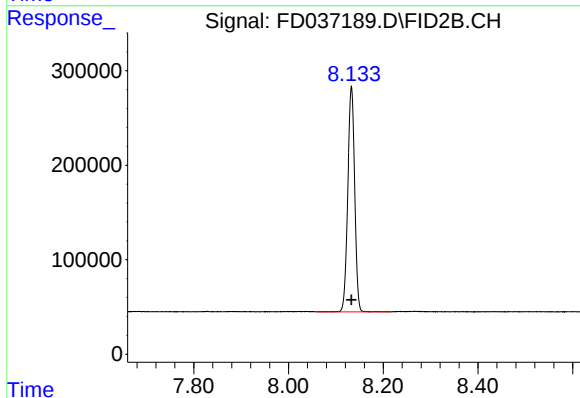
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.961 min  
Delta R.T.: 0.000 min  
Response: 2728849  
Conc: 20.81 ug/ml

Instrument :  
FID\_D  
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20 PPM ALIPHATIC HC STD

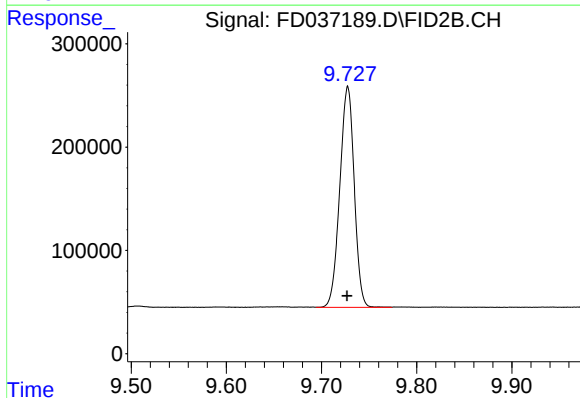
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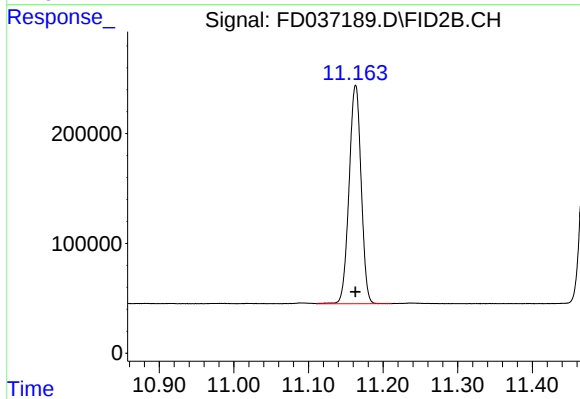
#6 n-Tetradecane (C14)

R.T.: 8.133 min  
Delta R.T.: 0.000 min  
Response: 2409238  
Conc: 20.81 ug/ml



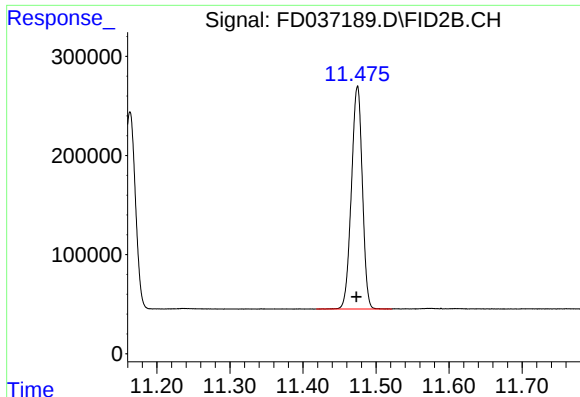
#7 n-Hexadecane (C16)

R.T.: 9.728 min  
Delta R.T.: 0.000 min  
Response: 2254246  
Conc: 20.50 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.163 min  
Delta R.T.: 0.000 min  
Response: 2234234  
Conc: 20.38 ug/ml



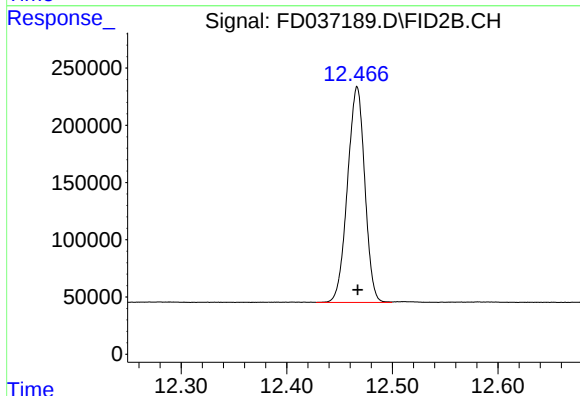
#9 ortho-Terphenyl (SURR)

R.T.: 11.474 min  
Delta R.T.: 0.001 min  
Response: 2343487  
Conc: 20.07 ug/ml

Instrument :  
FID\_D  
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20 PPM ALIPHATIC HC STD

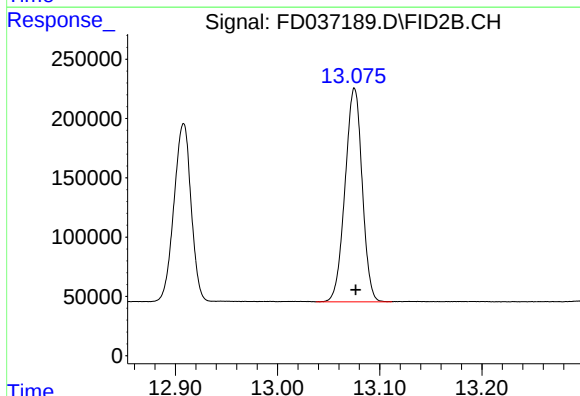
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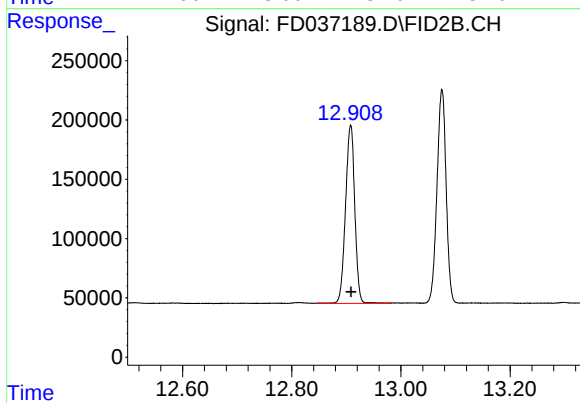
#10 n-Eicosane (C20)

R.T.: 12.466 min  
Delta R.T.: 0.000 min  
Response: 2144348  
Conc: 20.22 ug/ml



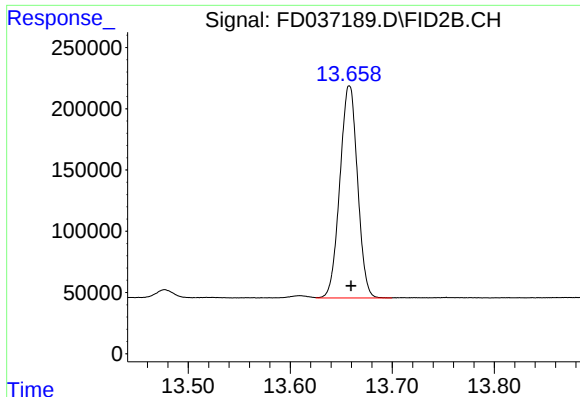
#11 n-Heneicosane (C21)

R.T.: 13.075 min  
Delta R.T.: -0.001 min  
Response: 2100255  
Conc: 19.99 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.908 min  
Delta R.T.: -0.001 min  
Response: 1771886  
Conc: 20.94 ug/ml



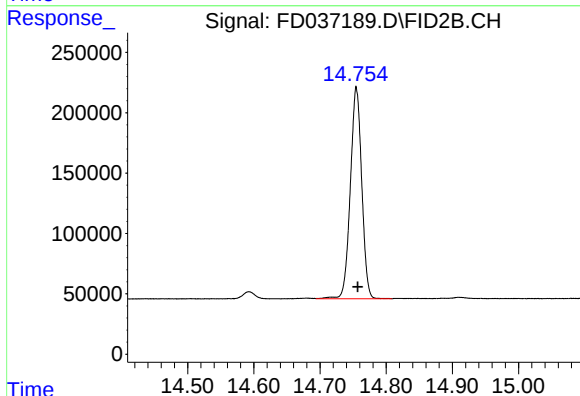
#13 n-Docosane (C22)

R.T.: 13.658 min  
Delta R.T.: -0.002 min  
Response: 2082027  
Conc: 20.25 ug/ml

Instrument :  
FID\_D  
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20 PPM ALIPHATIC HC STD

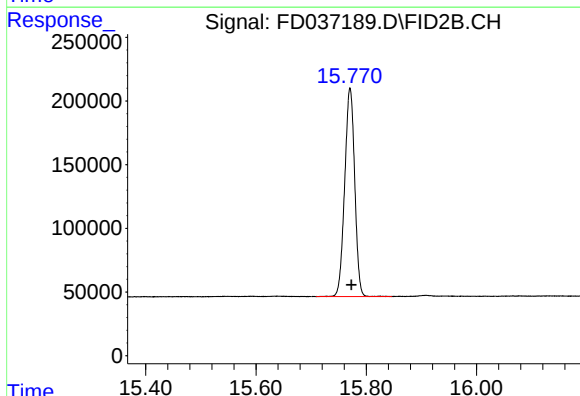
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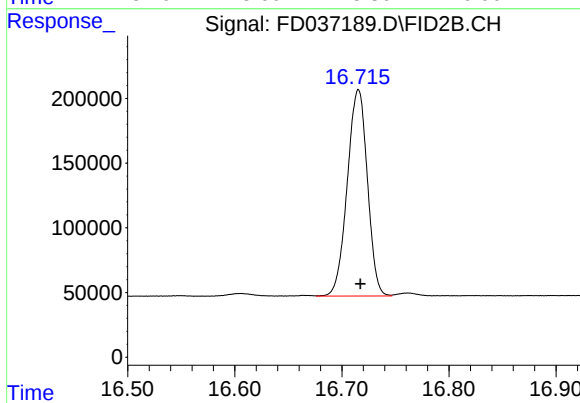
#14 n-Tetracosane (C24)

R.T.: 14.755 min  
Delta R.T.: -0.002 min  
Response: 2098634  
Conc: 20.72 ug/ml



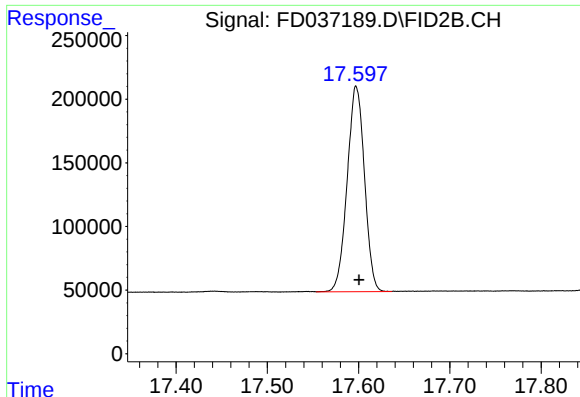
#15 n-Hexacosane (C26)

R.T.: 15.771 min  
Delta R.T.: -0.003 min  
Response: 2063401  
Conc: 21.13 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.715 min  
Delta R.T.: -0.002 min  
Response: 2086334  
Conc: 21.70 ug/ml



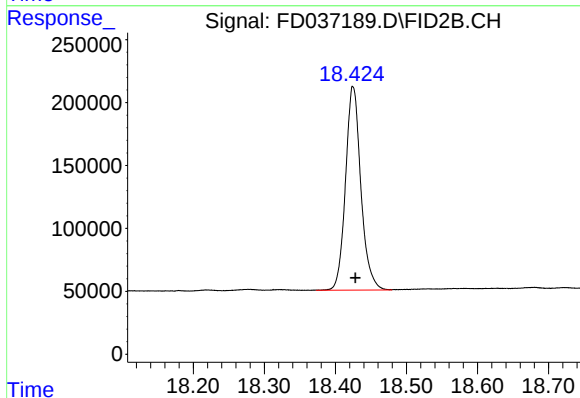
#17 n-Tricontane (C30)

R.T.: 17.597 min  
Delta R.T.: -0.004 min  
Response: 2127203  
Conc: 22.12 ug/ml m

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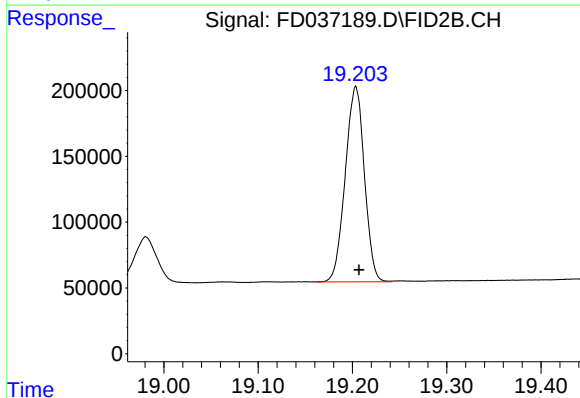
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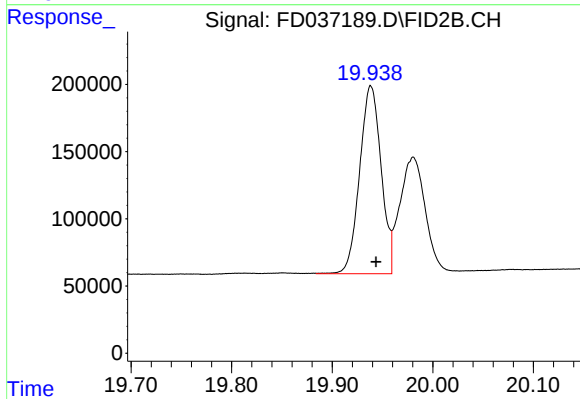
#18 n-Dotriacontane (C32)

R.T.: 18.424 min  
Delta R.T.: -0.005 min  
Response: 2429787  
Conc: 24.71 ug/ml m



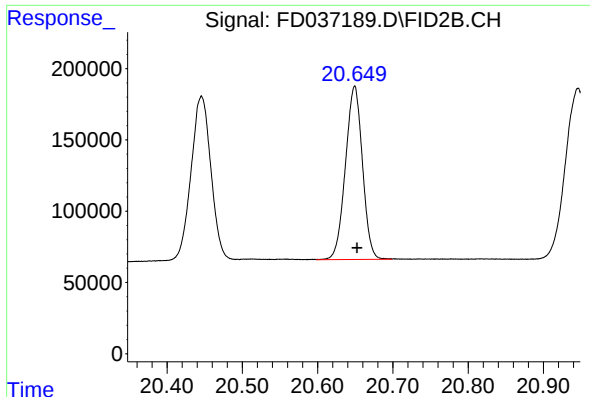
#19 n-Tetratriacontane (C34)

R.T.: 19.203 min  
Delta R.T.: -0.004 min  
Response: 2092747  
Conc: 22.05 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.938 min  
Delta R.T.: -0.006 min  
Response: 2076955  
Conc: 22.05 ug/ml m



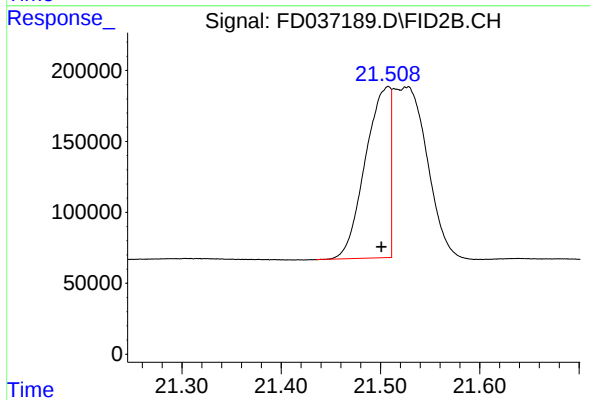
#21 n-Octatriacontane (C38)

R.T.: 20.649 min  
Delta R.T.: -0.004 min  
Response: 1911194  
Conc: 22.20 ug/ml m

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#22 n-Tetracontane (C40)

R.T.: 21.508 min  
Delta R.T.: 0.007 min  
Response: 2096065  
Conc: 21.85 ug/ml m