

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD101222AL\  
 Data File : FD044104.D  
 Signal(s) : FID2B.ch  
 Acq On : 12 Oct 2022 12:56  
 Operator : YP/AJ  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 55 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/13/2022  
 Supervised By :Ankita Jodhani 10/14/2022

Integration File: autoint1.e  
 Quant Time: Oct 13 07:53:13 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aliphatic EPH 100522.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Oct 06 01:41:44 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)    | 11.303 | 3443651    | 21.878 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 43.76%        |
| 12) S 1-chlorooctadecane (S... | 12.720 | 2718904    | 21.619 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 43.24%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.135  | 2878918    | 21.321 ug/ml  |
| 2) T n-Decane (C10)            | 4.185  | 2936300    | 21.855 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 5.756  | 2978011    | 22.289 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.183  | 3006392    | 21.636 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 6.802  | 3057701    | 23.516 ug/mlm |
| 6) T n-Tetradecane (C14)       | 7.963  | 3039501    | 21.832 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.551  | 3093030    | 21.928 ug/ml  |
| 8) T n-Octadecane (C18)        | 10.981 | 3174421    | 21.831 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.280 | 3238234    | 21.838 ug/ml  |
| 11) T n-Heneicosane (C21)      | 12.886 | 3230961    | 21.535 ug/ml  |
| 13) T n-Docosane (C22)         | 13.467 | 3330036    | 22.149 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.560 | 3464275    | 22.952 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.571 | 3442268    | 22.735 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.511 | 3377079    | 22.416 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.389 | 3353582    | 21.880 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.213 | 3201124    | 20.874 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 18.987 | 2896656    | 19.676 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 19.718 | 2823061    | 19.255 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 20.410 | 2787168    | 19.979 ug/mlm |
| 22) T n-Tetracontane (C40)     | 21.171 | 2552376    | 19.625 ug/mlm |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Misc :  
ALS Vial : 55 Sample Multiplier: 1

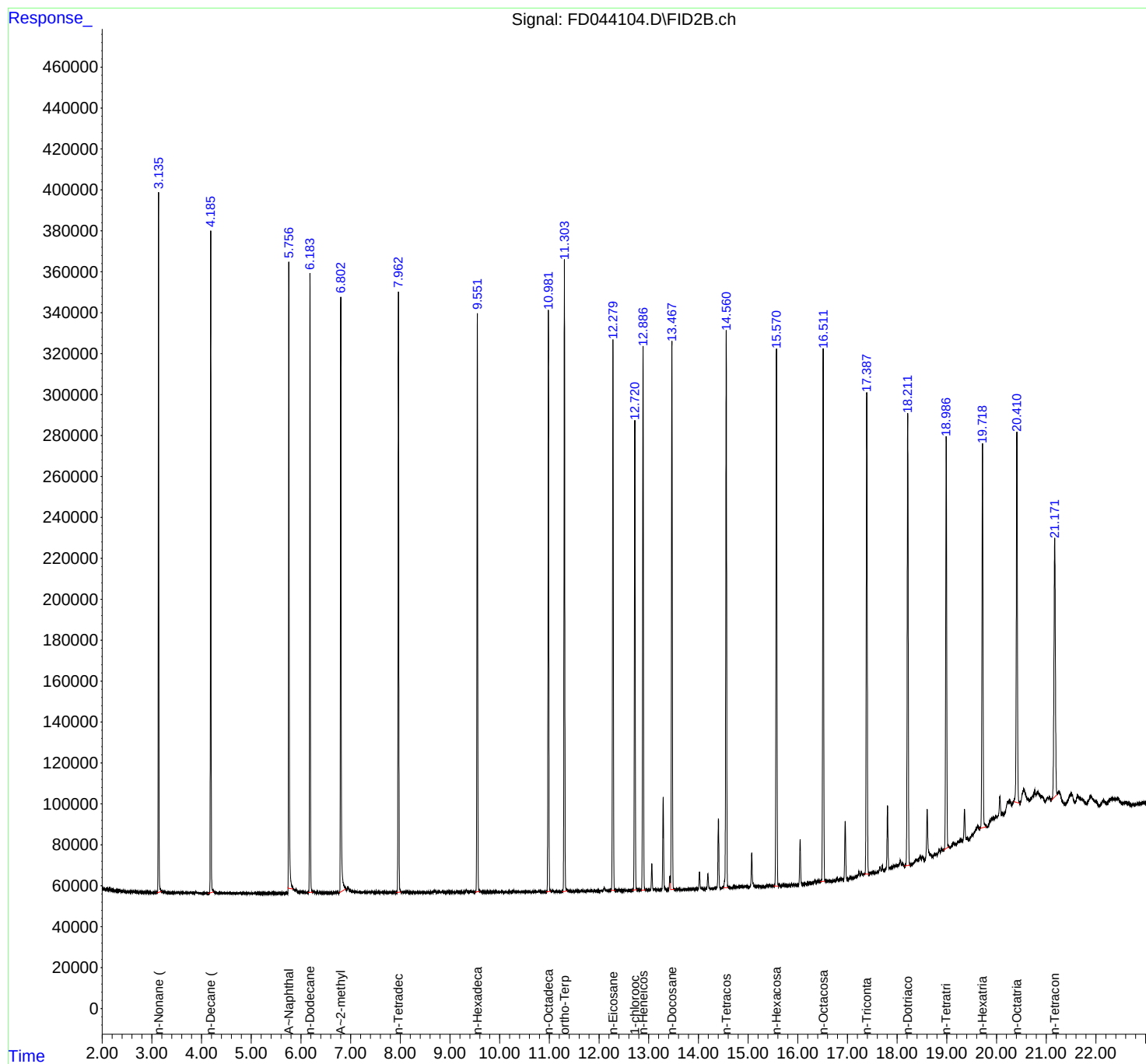
Instrument :  
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20 PPM ALIPHATIC HC STD

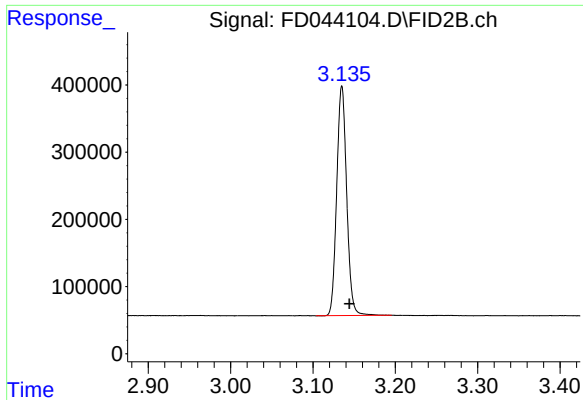
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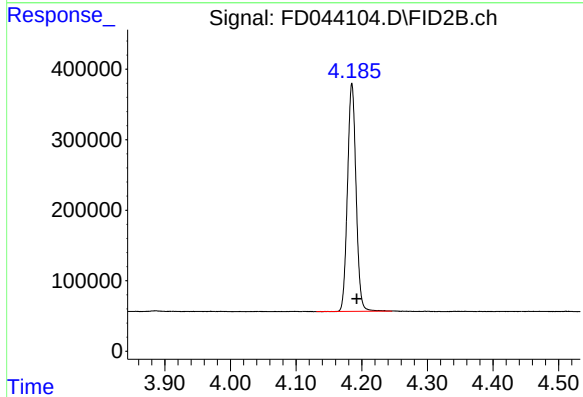
#1 n-Nonane (C9)

R.T.: 3.135 min  
Delta R.T.: -0.009 min  
Response: 2878918  
Conc: 21.32 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

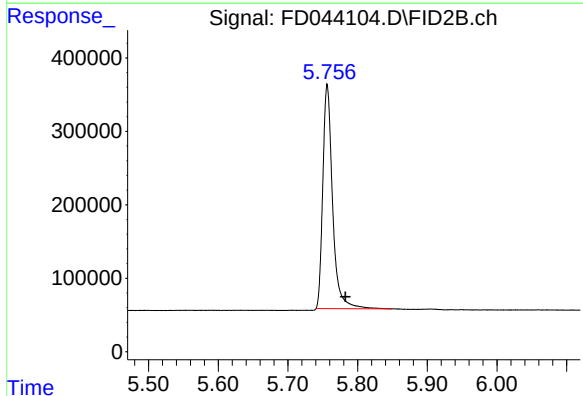
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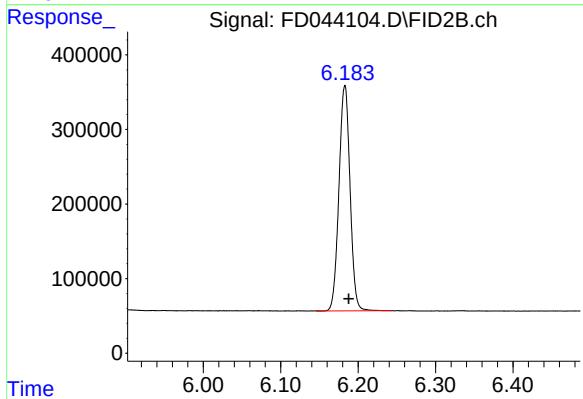
#2 n-Decane (C10)

R.T.: 4.185 min  
Delta R.T.: -0.007 min  
Response: 2936300  
Conc: 21.86 ug/ml



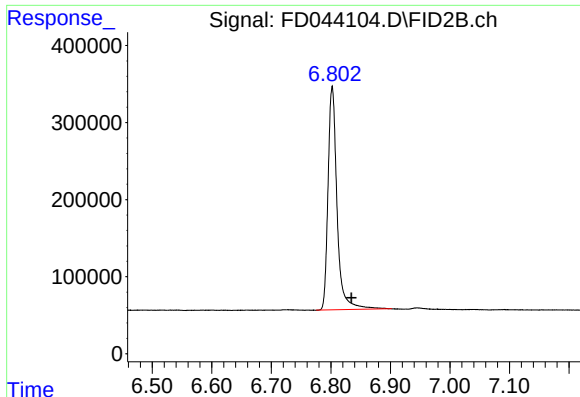
#3 A~Naphthalene (C11.7)

R.T.: 5.756 min  
Delta R.T.: -0.026 min  
Response: 2978011  
Conc: 22.29 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.183 min  
Delta R.T.: -0.005 min  
Response: 3006392  
Conc: 21.64 ug/ml



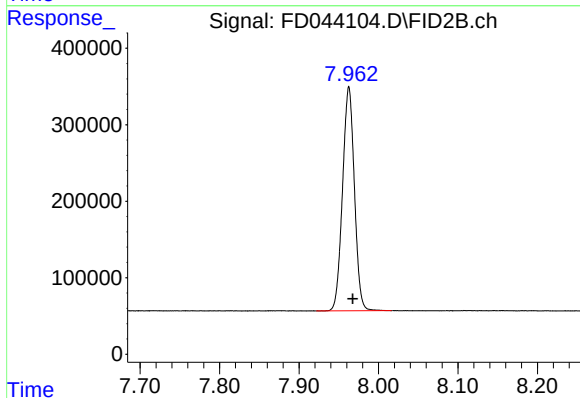
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.802 min  
Delta R.T.: -0.033 min  
Response: 3057701  
Conc: 23.52 ug/ml

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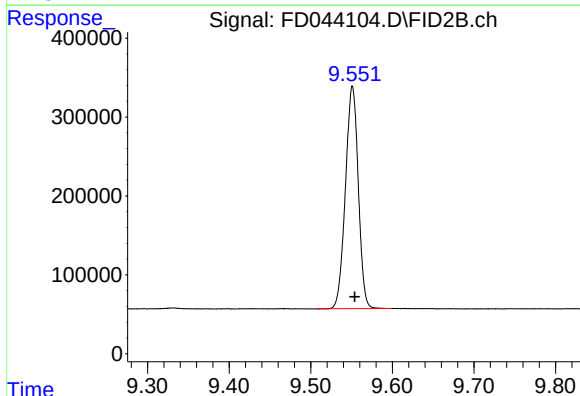
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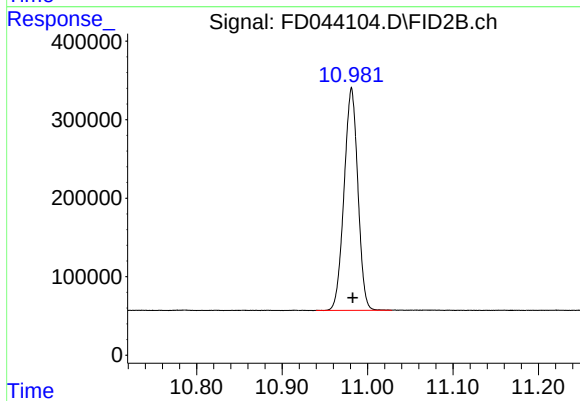
#6 n-Tetradecane (C14)

R.T.: 7.963 min  
Delta R.T.: -0.005 min  
Response: 3039501  
Conc: 21.83 ug/ml



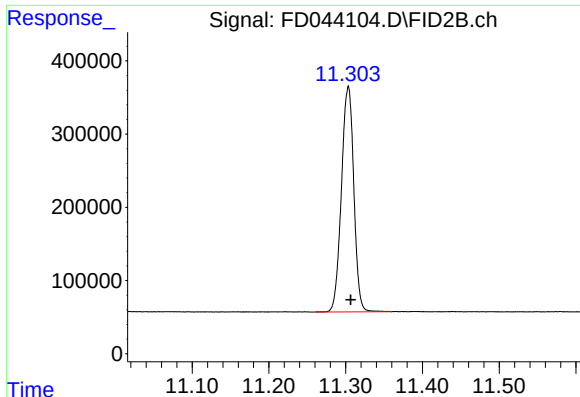
#7 n-Hexadecane (C16)

R.T.: 9.551 min  
Delta R.T.: -0.003 min  
Response: 3093030  
Conc: 21.93 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.981 min  
Delta R.T.: -0.001 min  
Response: 3174421  
Conc: 21.83 ug/ml



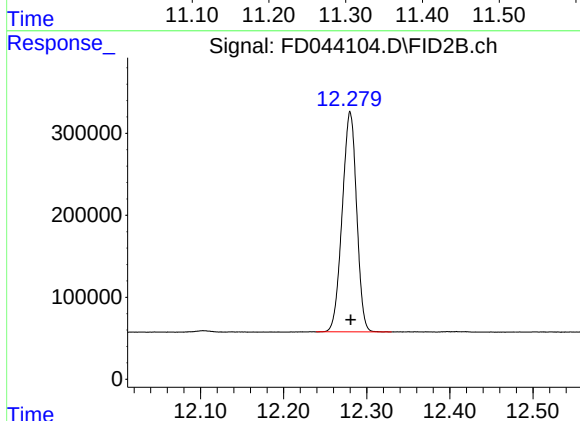
#9 ortho-Terphenyl (SURR)

R.T.: 11.303 min  
Delta R.T.: -0.003 min  
Response: 3443651  
Conc: 21.88 ug/ml

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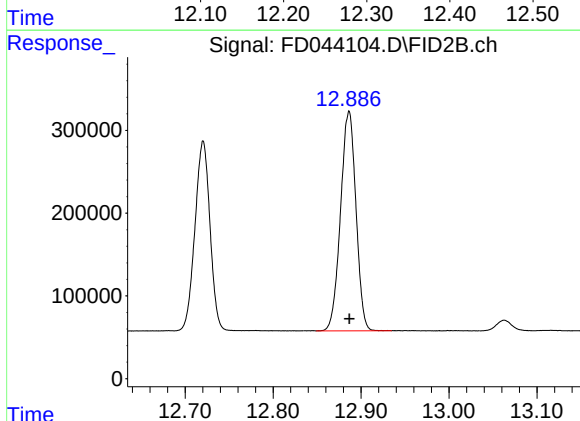
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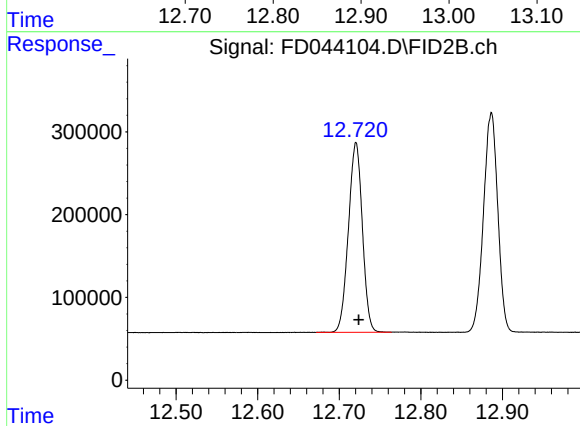
#10 n-Eicosane (C20)

R.T.: 12.280 min  
Delta R.T.: 0.000 min  
Response: 3238234  
Conc: 21.84 ug/ml



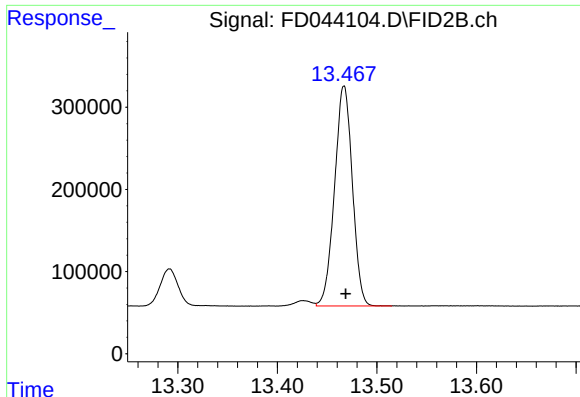
#11 n-Heneicosane (C21)

R.T.: 12.886 min  
Delta R.T.: 0.000 min  
Response: 3230961  
Conc: 21.54 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.720 min  
Delta R.T.: -0.003 min  
Response: 2718904  
Conc: 21.62 ug/ml



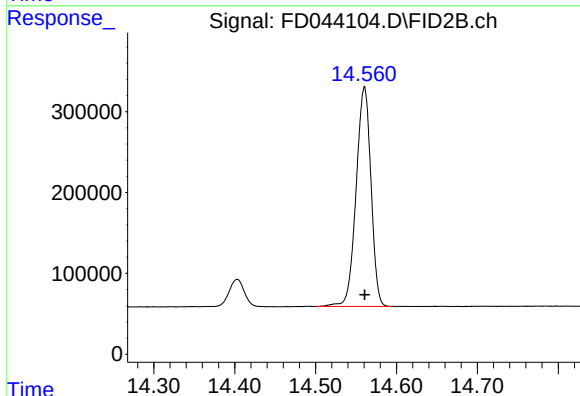
#13 n-Docosane (C22)

R.T.: 13.467 min  
Delta R.T.: -0.002 min  
Response: 3330036  
Conc: 22.15 ug/ml

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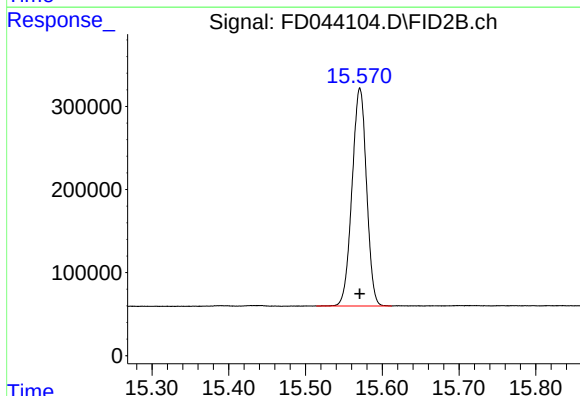
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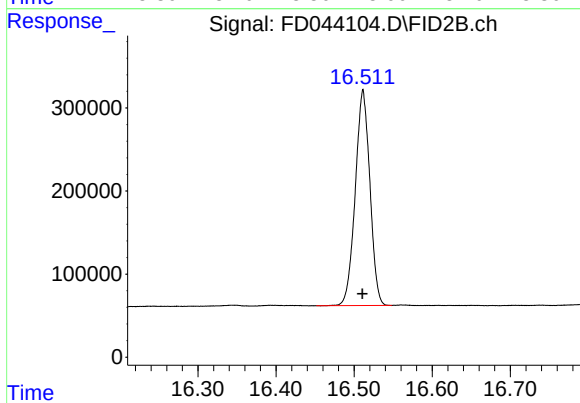
#14 n-Tetracosane (C24)

R.T.: 14.560 min  
Delta R.T.: 0.000 min  
Response: 3464275  
Conc: 22.95 ug/ml



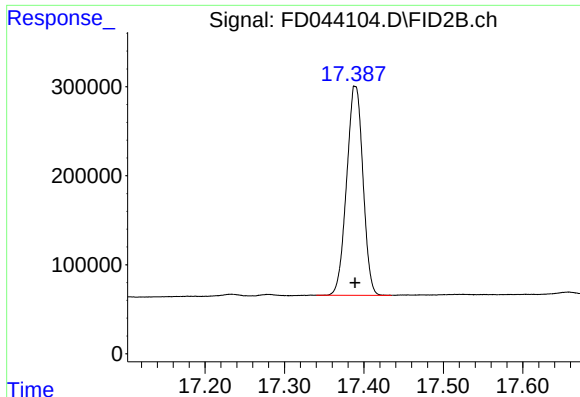
#15 n-Hexacosane (C26)

R.T.: 15.571 min  
Delta R.T.: 0.000 min  
Response: 3442268  
Conc: 22.73 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.511 min  
Delta R.T.: 0.000 min  
Response: 3377079  
Conc: 22.42 ug/ml



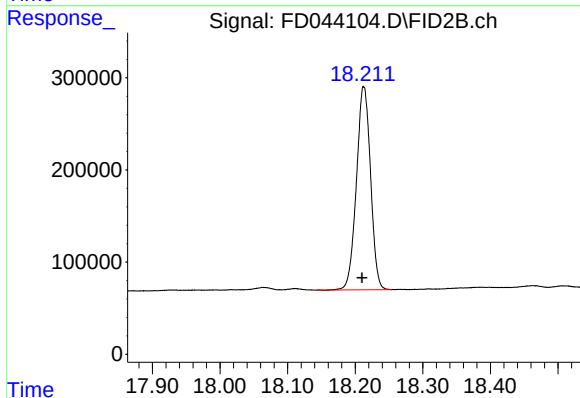
#17 n-Tricontane (C30)

R.T.: 17.389 min  
Delta R.T.: 0.000 min  
Response: 3353582  
Conc: 21.88 ug/ml

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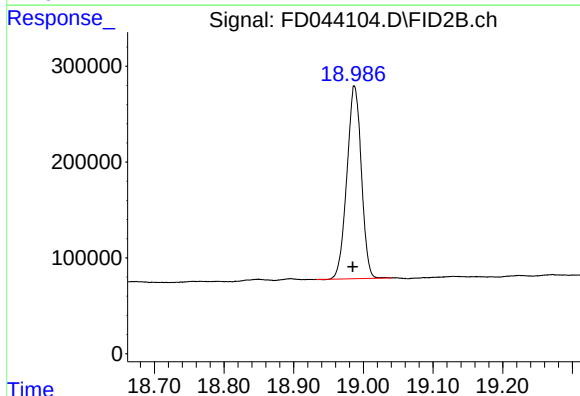
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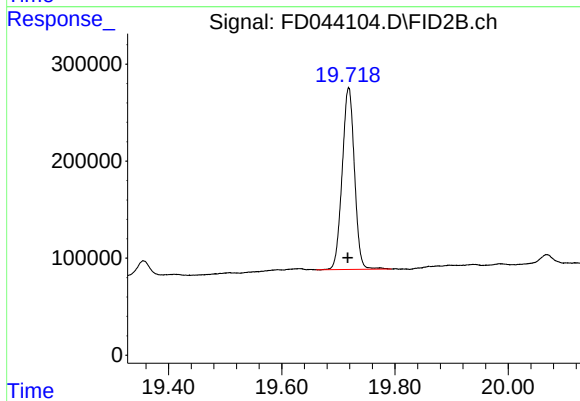
#18 n-Dotriacontane (C32)

R.T.: 18.213 min  
Delta R.T.: 0.002 min  
Response: 3201124  
Conc: 20.87 ug/ml



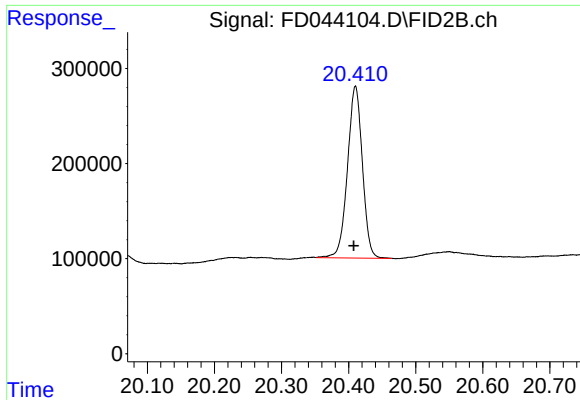
#19 n-Tetratriacontane (C34)

R.T.: 18.987 min  
Delta R.T.: 0.002 min  
Response: 2896656  
Conc: 19.68 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.718 min  
Delta R.T.: 0.002 min  
Response: 2823061  
Conc: 19.25 ug/ml



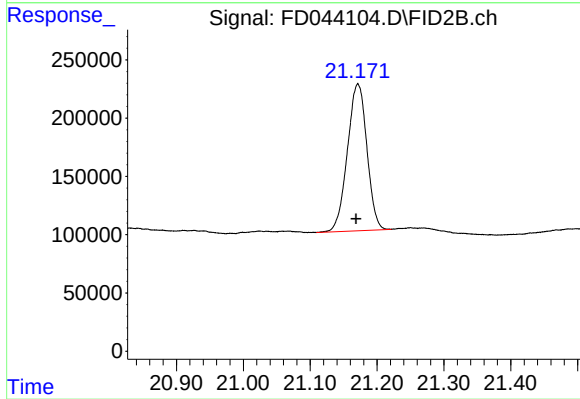
#21 n-Octatriacontane (C38)

R.T.: 20.410 min  
Delta R.T.: 0.003 min  
Response: 2787168  
Conc: 19.98 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.171 min  
Delta R.T.: 0.003 min  
Response: 2552376  
Conc: 19.62 ug/ml m