

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE092923AL\  
 Data File : FE044507.D  
 Signal(s) : FID1B.ch  
 Acq On : 29 Sep 2023 07:02  
 Operator : YP\AJ  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 09/29/2023  
 Supervised By :Ankita Jodhani 10/02/2023

Integration File: autoint1.e  
 Quant Time: Sep 29 07:28:03 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 092523.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 25 11:06:21 2023  
 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)    | 11.922 | 3761996    | 20.039 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 40.08%        |
| 12) S 1-chlorooctadecane (S... | 13.360 | 2750884    | 20.221 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 40.44%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.310  | 3226092    | 19.871 ug/ml  |
| 2) T n-Decane (C10)            | 4.561  | 3302785    | 19.946 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.262  | 3583333    | 20.042 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.725  | 3322966    | 19.978 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.357  | 3438091    | 20.095 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.550  | 3278245    | 19.969 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.160 | 3391338    | 20.019 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.606 | 3401155    | 20.032 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.916 | 3227115    | 20.058 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.528 | 3141191    | 20.061 ug/ml  |
| 13) T n-Docosane (C22)         | 14.114 | 3087789    | 20.020 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.219 | 3030403    | 20.047 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.240 | 2951914    | 20.068 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.192 | 2940804    | 20.504 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.081 | 3165016    | 21.352 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.915 | 3236884    | 21.865 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.700 | 3142323    | 21.502 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.441 | 3047844    | 21.012 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 21.182 | 3050522    | 20.365 ug/ml  |
| 22) T n-Tetracontane (C40)     | 22.104 | 3214530    | 20.369 ug/mlm |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP\AJ  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

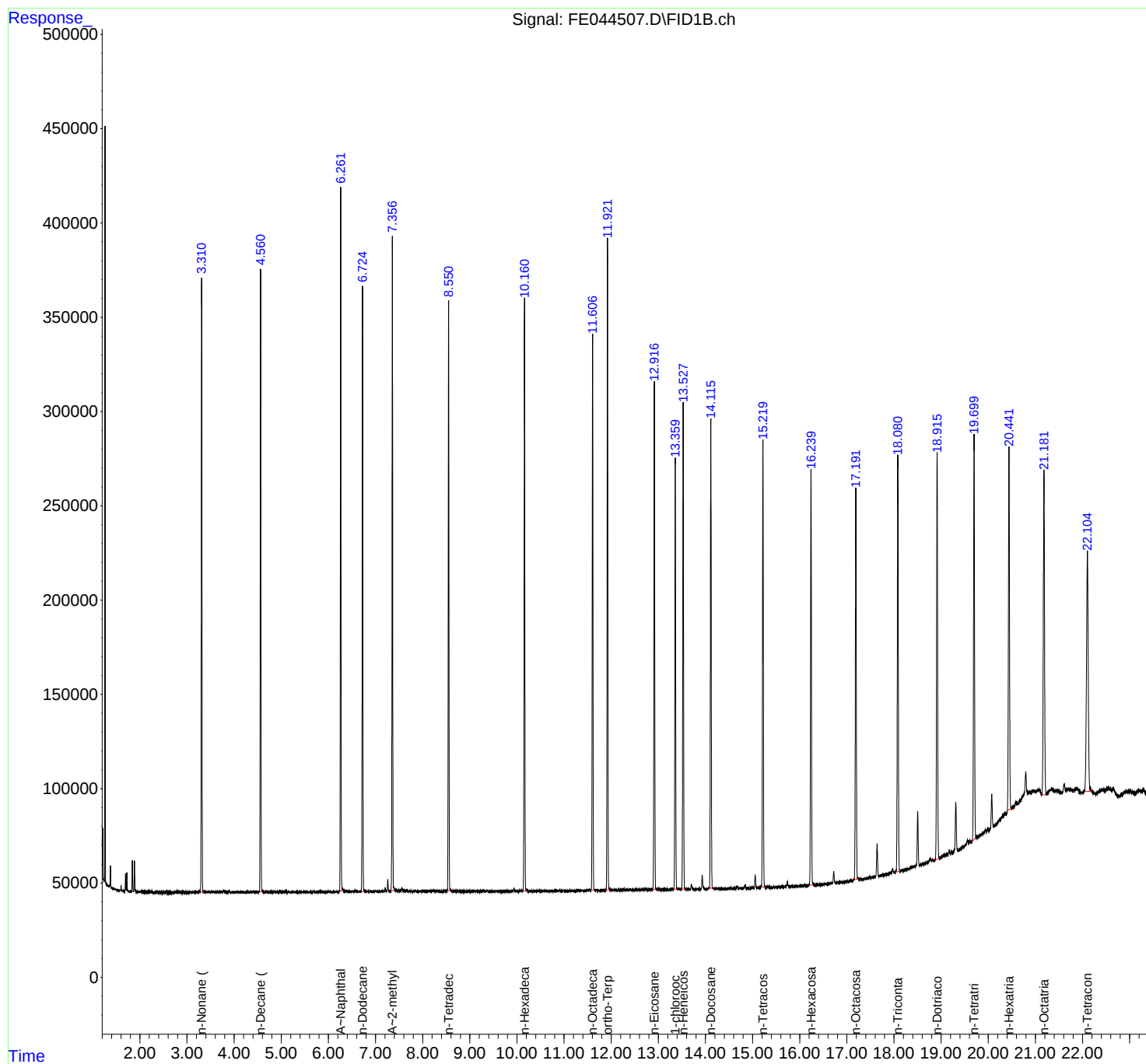
Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

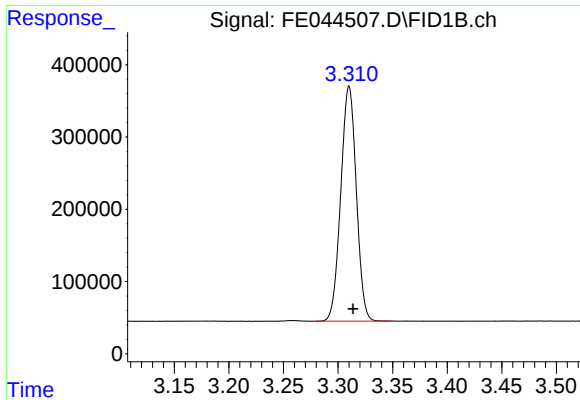
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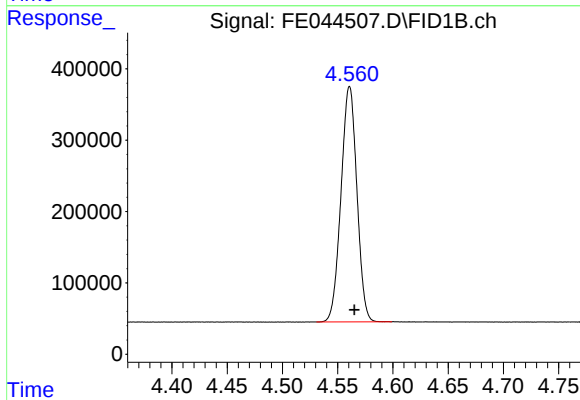
#1 n-Nonane (C9)

R.T.: 3.310 min  
Delta R.T.: -0.004 min  
Response: 3226092  
Conc: 19.87 ug/ml

Instrument :  
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ClientSampleId :  
20 PPM ALIPHATIC HC STD

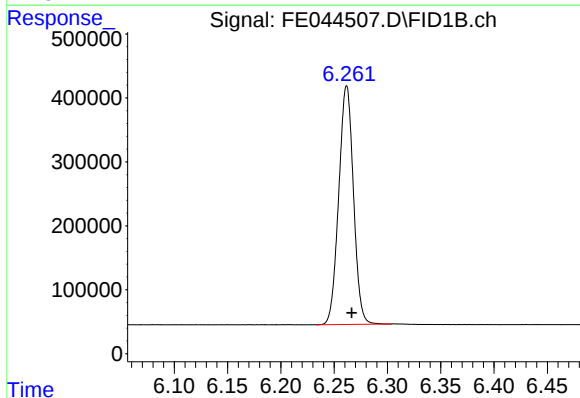
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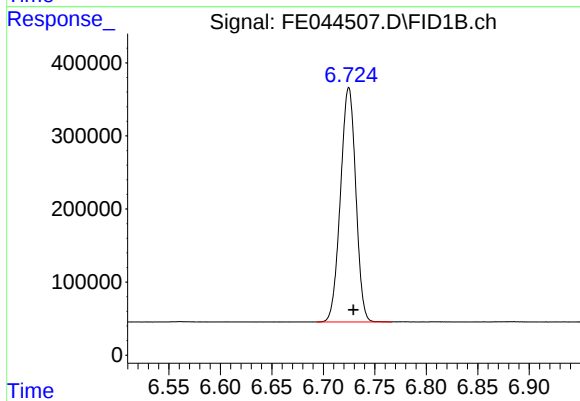
#2 n-Decane (C10)

R.T.: 4.561 min  
Delta R.T.: -0.004 min  
Response: 3302785  
Conc: 19.95 ug/ml



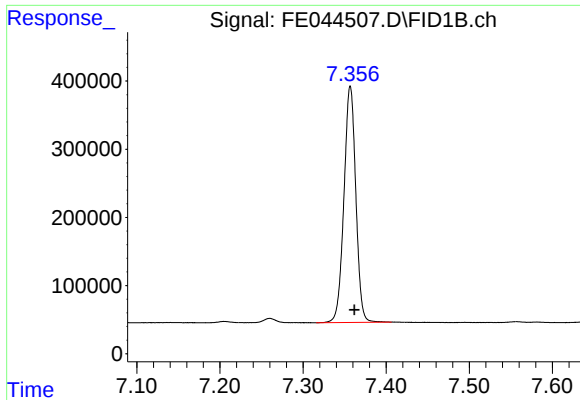
#3 A~Naphthalene (C11.7)

R.T.: 6.262 min  
Delta R.T.: -0.005 min  
Response: 3583333  
Conc: 20.04 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.725 min  
Delta R.T.: -0.004 min  
Response: 3322966  
Conc: 19.98 ug/ml



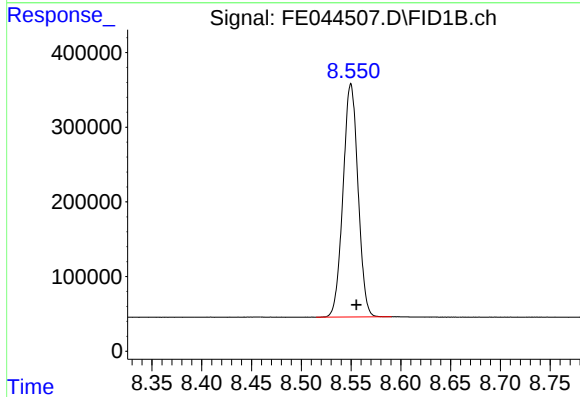
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.357 min  
Delta R.T.: -0.005 min  
Response: 3438091  
Conc: 20.10 ug/ml

Instrument :  
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ClientSampleId :  
20 PPM ALIPHATIC HC STD

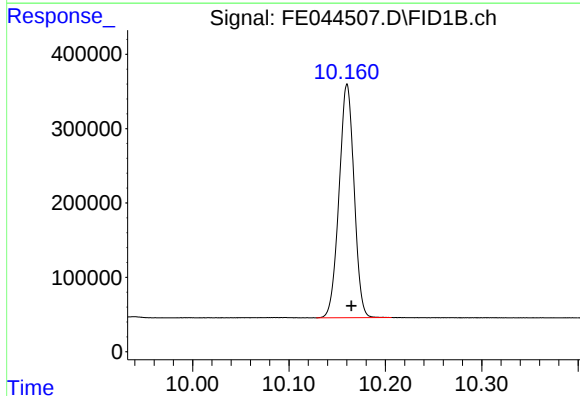
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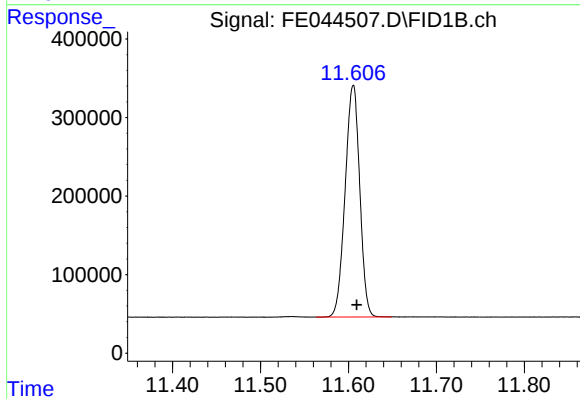
#6 n-Tetradecane (C14)

R.T.: 8.550 min  
Delta R.T.: -0.005 min  
Response: 3278245  
Conc: 19.97 ug/ml



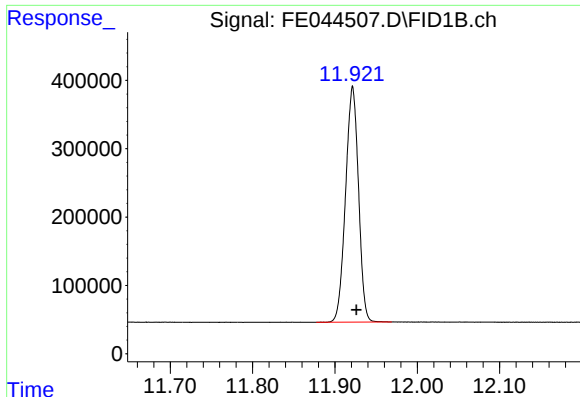
#7 n-Hexadecane (C16)

R.T.: 10.160 min  
Delta R.T.: -0.004 min  
Response: 3391338  
Conc: 20.02 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.606 min  
Delta R.T.: -0.004 min  
Response: 3401155  
Conc: 20.03 ug/ml



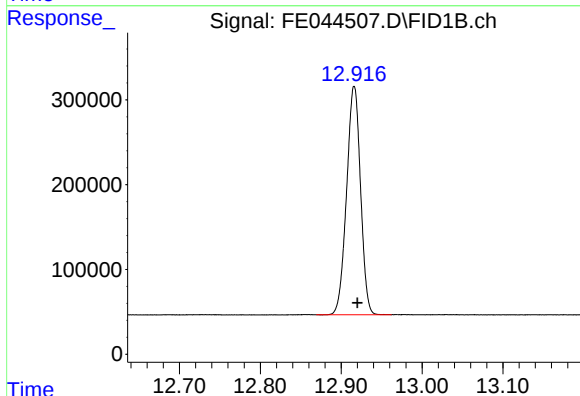
#9 ortho-Terphenyl (SURR)

R.T.: 11.922 min  
Delta R.T.: -0.005 min  
Response: 3761996  
Conc: 20.04 ug/ml

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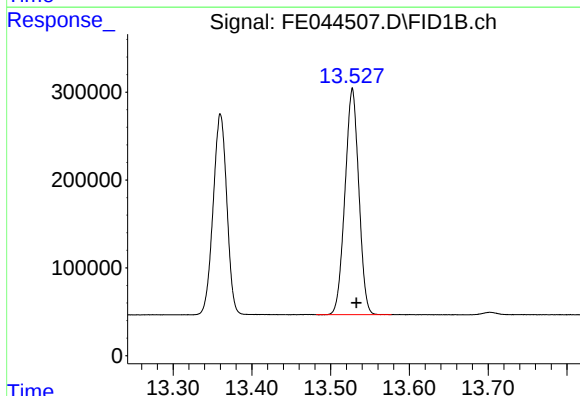
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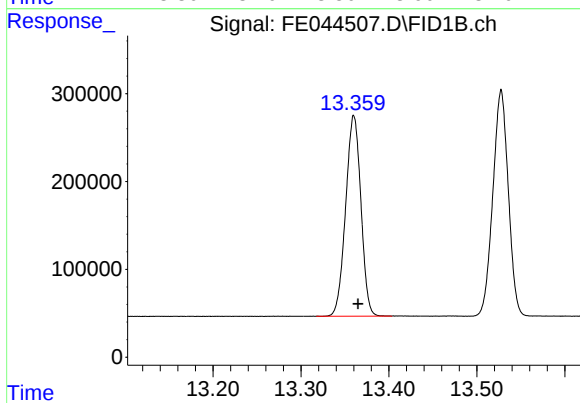
#10 n-Eicosane (C20)

R.T.: 12.916 min  
Delta R.T.: -0.004 min  
Response: 3227115  
Conc: 20.06 ug/ml



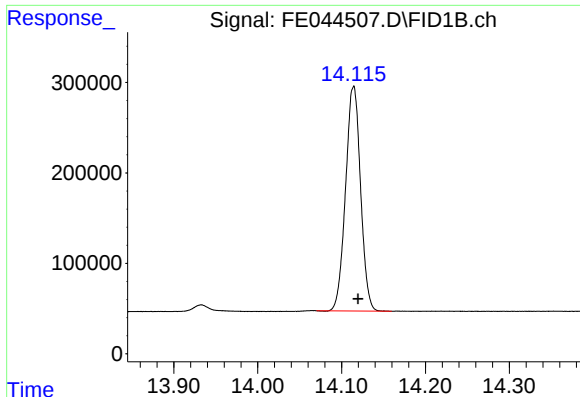
#11 n-Heneicosane (C21)

R.T.: 13.528 min  
Delta R.T.: -0.005 min  
Response: 3141191  
Conc: 20.06 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.360 min  
Delta R.T.: -0.005 min  
Response: 2750884  
Conc: 20.22 ug/ml



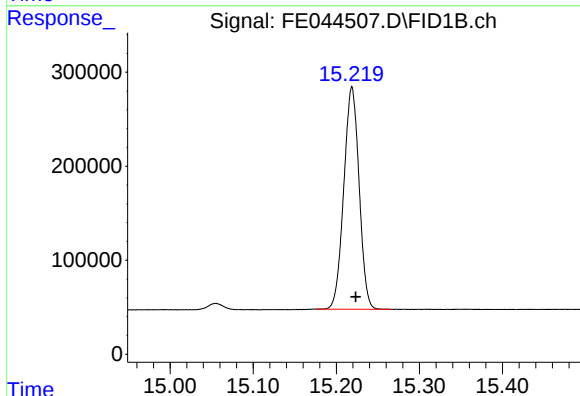
#13 n-Docosane (C22)

R.T.: 14.114 min  
Delta R.T.: -0.006 min  
Response: 3087789  
Conc: 20.02 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

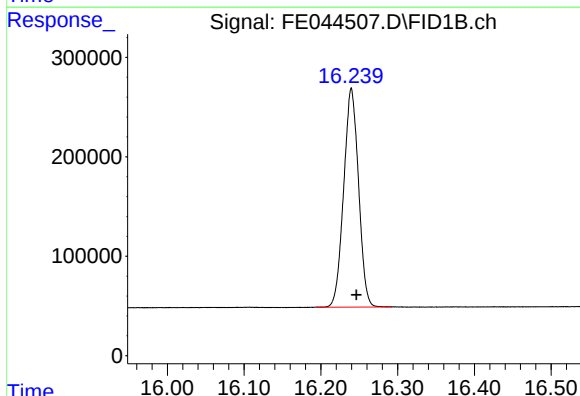
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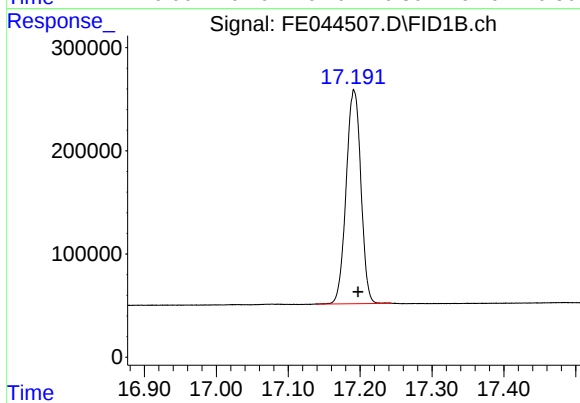
#14 n-Tetracosane (C24)

R.T.: 15.219 min  
Delta R.T.: -0.005 min  
Response: 3030403  
Conc: 20.05 ug/ml



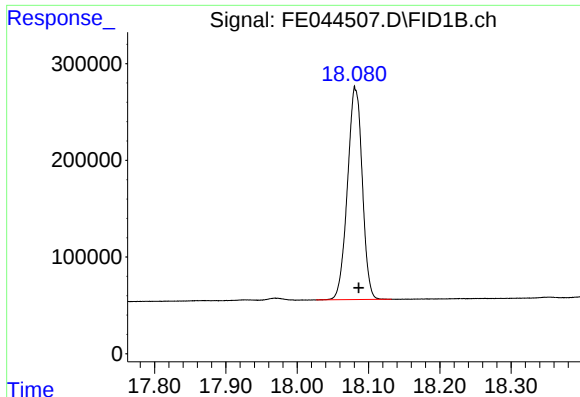
#15 n-Hexacosane (C26)

R.T.: 16.240 min  
Delta R.T.: -0.006 min  
Response: 2951914  
Conc: 20.07 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.192 min  
Delta R.T.: -0.005 min  
Response: 2940804  
Conc: 20.50 ug/ml



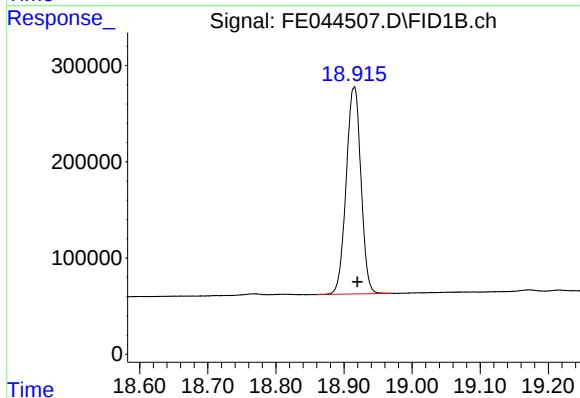
#17 n-Tricontane (C30)

R.T.: 18.081 min  
Delta R.T.: -0.005 min  
Response: 3165016  
Conc: 21.35 ug/ml

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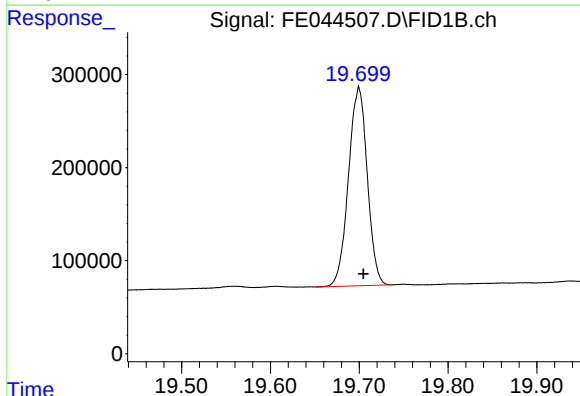
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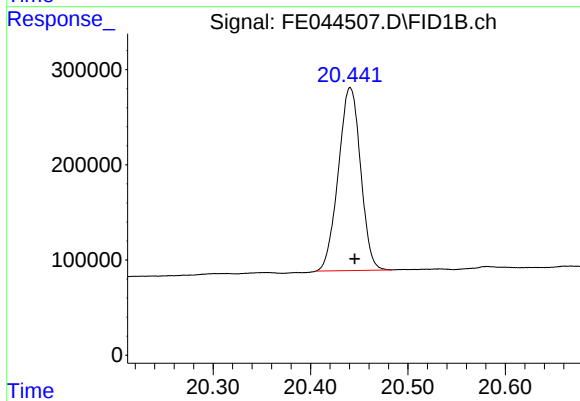
#18 n-Dotriacontane (C32)

R.T.: 18.915 min  
Delta R.T.: -0.005 min  
Response: 3236884  
Conc: 21.87 ug/ml



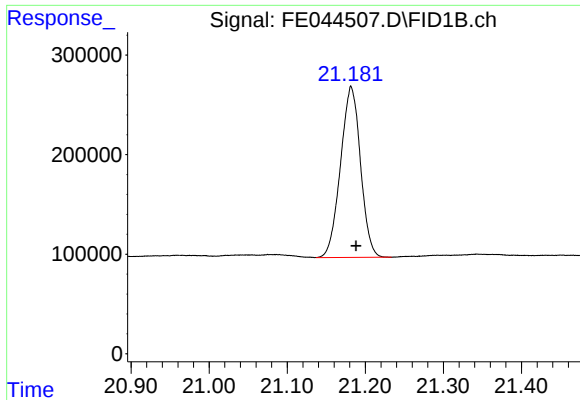
#19 n-Tetratriacontane (C34)

R.T.: 19.700 min  
Delta R.T.: -0.005 min  
Response: 3142323  
Conc: 21.50 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.441 min  
Delta R.T.: -0.005 min  
Response: 3047844  
Conc: 21.01 ug/ml



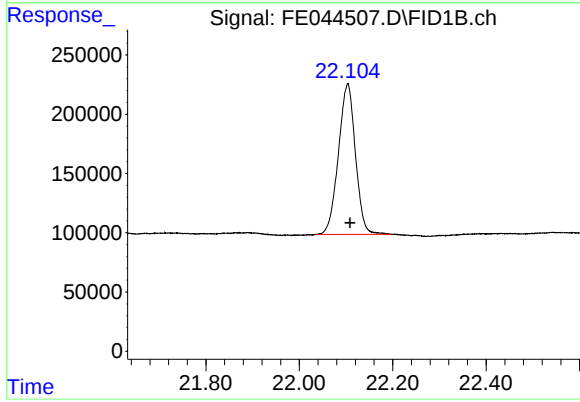
#21 n-Octatriacontane (C38)

R.T.: 21.182 min  
Delta R.T.: -0.006 min  
Response: 3050522  
Conc: 20.37 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.104 min  
Delta R.T.: -0.005 min  
Response: 3214530  
Conc: 20.37 ug/ml m