

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE082622AL\  
 Data File : FE037282.D  
 Signal(s) : FID1B.ch  
 Acq On : 26 Aug 2022 20:36  
 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 08/29/2022  
 Supervised By :Ankita Jodhani 08/29/2022

Integration File: autoint1.e  
 Quant Time: Aug 27 02:45:11 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aliphatic EPH 082322.M  
 Quant Title : GC Extractables  
 QLast Update : Sat Aug 27 02:21:03 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)    | 11.657 | 3395575    | 19.648 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 39.30%        |
| 12) S 1-chlorooctadecane (S... | 13.079 | 2633361    | 19.274 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 38.55%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.052  | 3117053    | 20.923 ug/ml  |
| 2) T n-Decane (C10)            | 4.308  | 3172053    | 21.176 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.025  | 3144303    | 21.720 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.479  | 3238898    | 20.951 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.117  | 3077721    | 22.247 ug/ml  |
| 6) T n-Tetradecane (C14)       | 9.898  | 3245092    | 20.632 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.898  | 3245092    | 20.632 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.333 | 3240892    | 20.110 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.635 | 3195827    | 19.409 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.244 | 3159426    | 19.101 ug/ml  |
| 13) T n-Docosane (C22)         | 13.827 | 3108311    | 18.711 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.925 | 2986773    | 18.093 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.941 | 2872894    | 17.620 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.886 | 2780529    | 17.512 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.768 | 2806936    | 18.073 ug/mlm |
| 18) T n-Dotriacontane (C32)    | 18.597 | 2835096    | 19.007 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.376 | 2710822    | 20.175 ug/mlm |
| 20) T n-Hexatriacontane (C36)  | 20.113 | 2724981    | 21.226 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 20.810 | 2717885    | 22.640 ug/ml  |
| 22) T n-Tetracontane (C40)     | 21.597 | 2797852    | 23.165 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

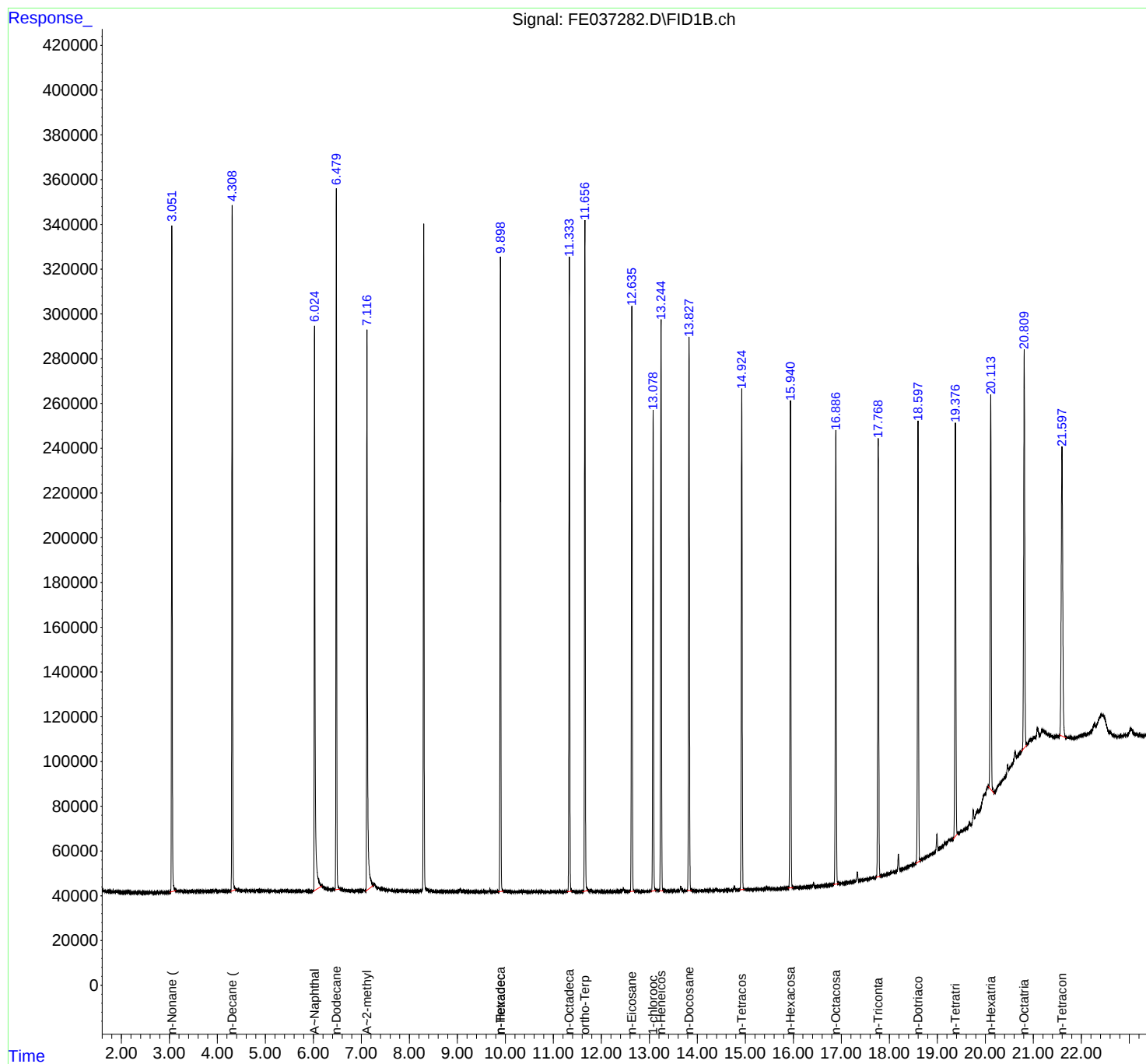
Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

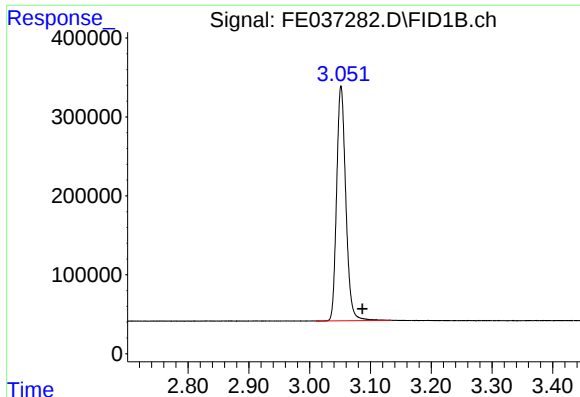
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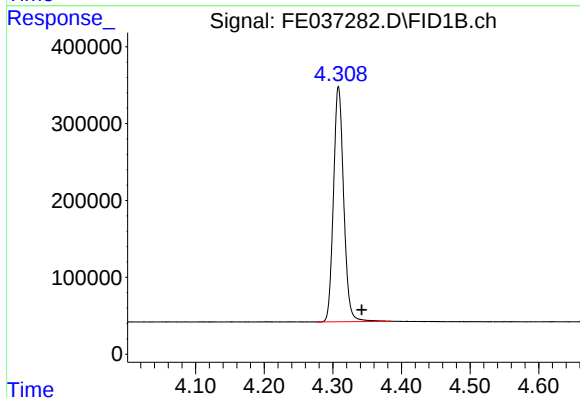
#1 n-Nonane (C9)

R.T.: 3.052 min  
Delta R.T.: -0.035 min  
Response: 3117053  
Conc: 20.92 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

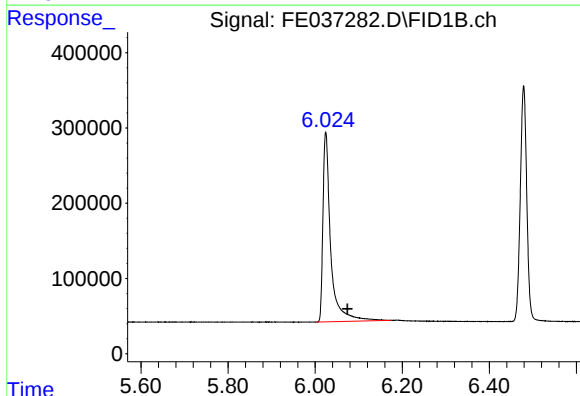
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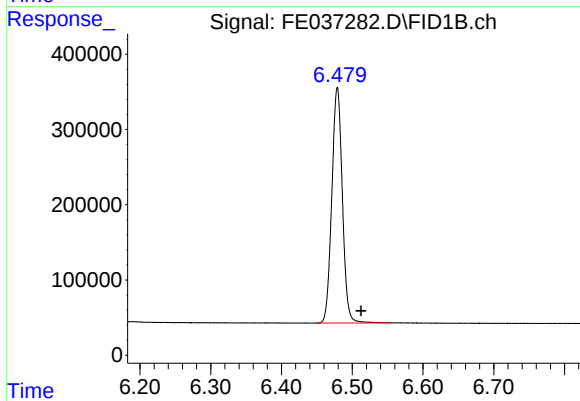
#2 n-Decane (C10)

R.T.: 4.308 min  
Delta R.T.: -0.034 min  
Response: 3172053  
Conc: 21.18 ug/ml



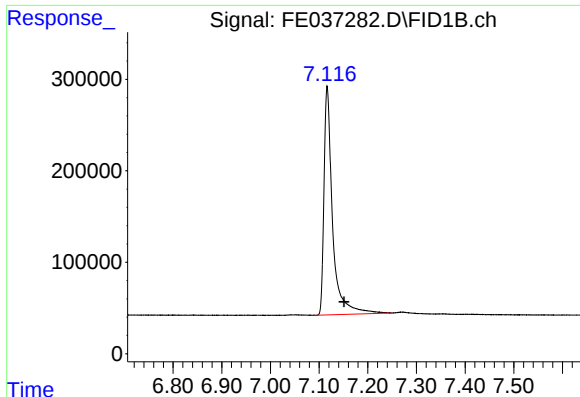
#3 A~Naphthalene (C11.7)

R.T.: 6.025 min  
Delta R.T.: -0.049 min  
Response: 3144303  
Conc: 21.72 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.479 min  
Delta R.T.: -0.034 min  
Response: 3238898  
Conc: 20.95 ug/ml



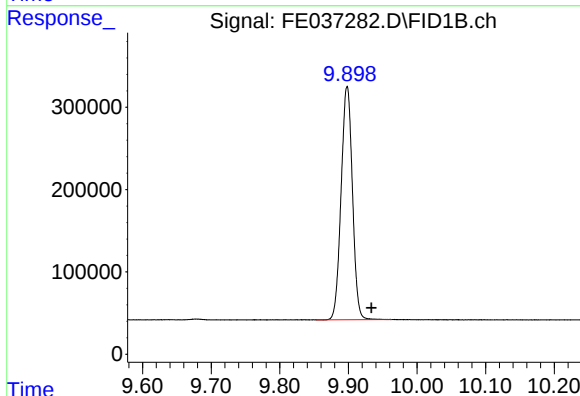
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.117 min  
Delta R.T.: -0.034 min  
Response: 3077721  
Conc: 22.25 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

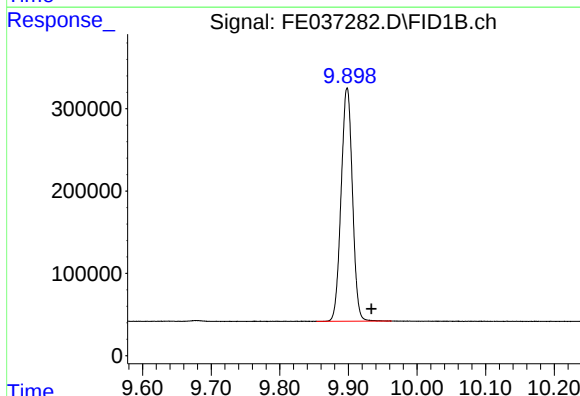
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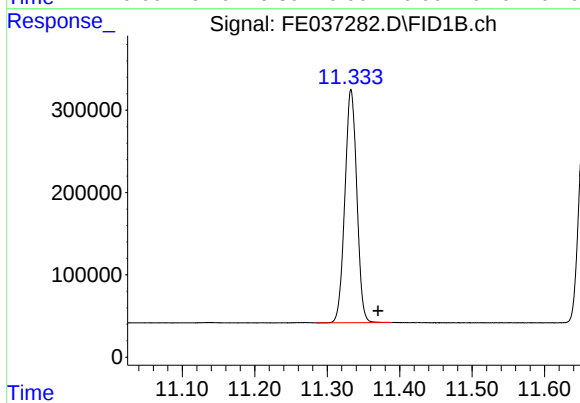
#6 n-Tetradecane (C14)

R.T.: 9.898 min  
Delta R.T.: -0.035 min  
Response: 3245092  
Conc: 20.63 ug/ml



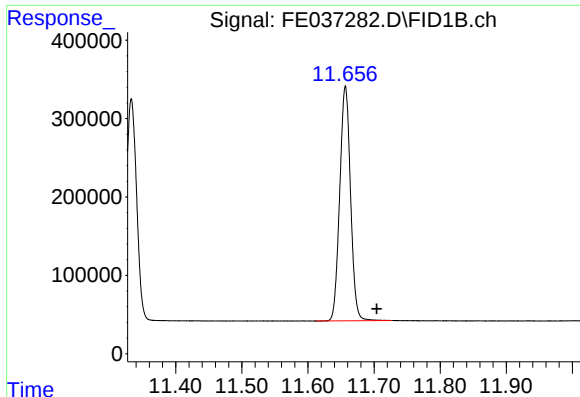
#7 n-Hexadecane (C16)

R.T.: 9.898 min  
Delta R.T.: -0.035 min  
Response: 3245092  
Conc: 20.63 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.333 min  
Delta R.T.: -0.038 min  
Response: 3240892  
Conc: 20.11 ug/ml



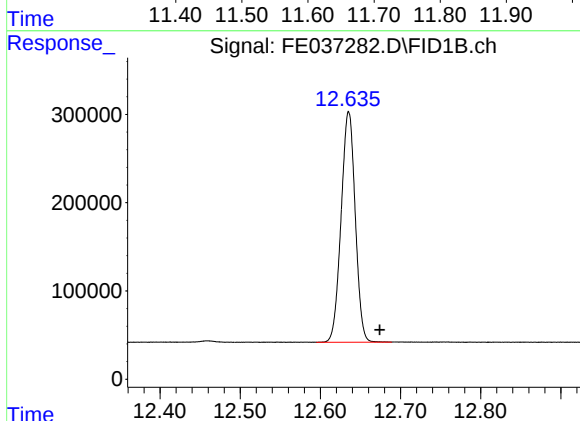
#9 ortho-Terphenyl (SURR)

R.T.: 11.657 min  
Delta R.T.: -0.047 min  
Response: 3395575  
Conc: 19.65 ug/ml

Instrument :  
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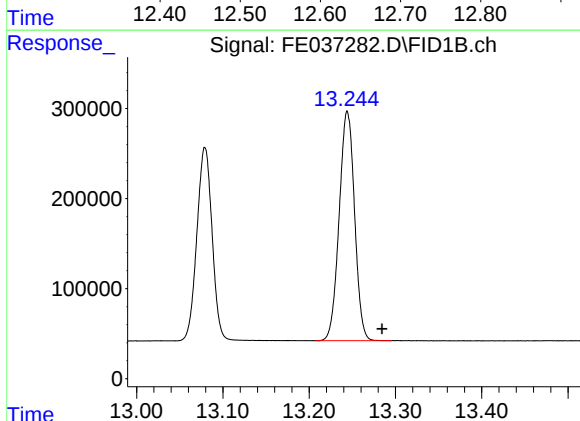
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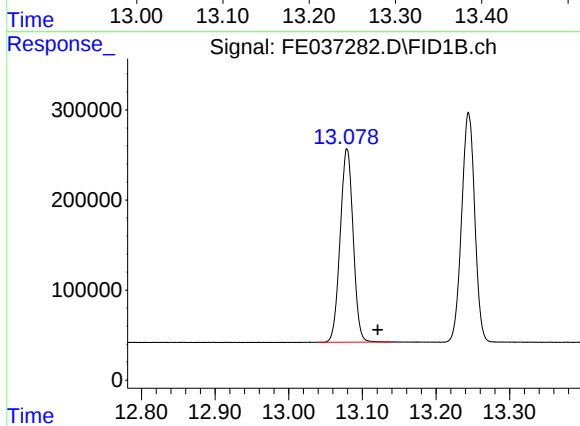
#10 n-Eicosane (C20)

R.T.: 12.635 min  
Delta R.T.: -0.039 min  
Response: 3195827  
Conc: 19.41 ug/ml



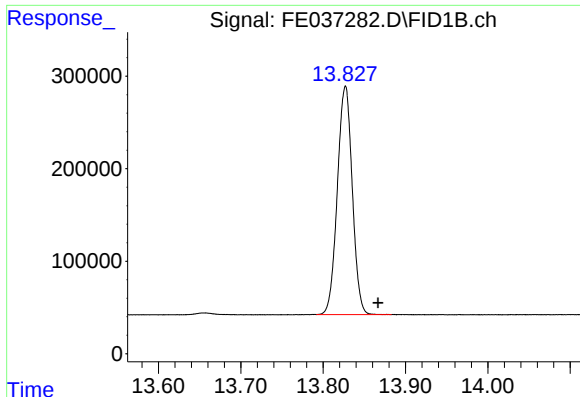
#11 n-Heneicosane (C21)

R.T.: 13.244 min  
Delta R.T.: -0.040 min  
Response: 3159426  
Conc: 19.10 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.079 min  
Delta R.T.: -0.042 min  
Response: 2633361  
Conc: 19.27 ug/ml



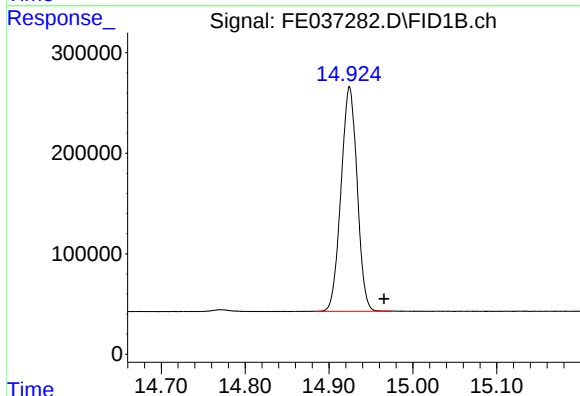
#13 n-Docosane (C22)

R.T.: 13.827 min  
Delta R.T.: -0.040 min  
Response: 3108311  
Conc: 18.71 ug/ml

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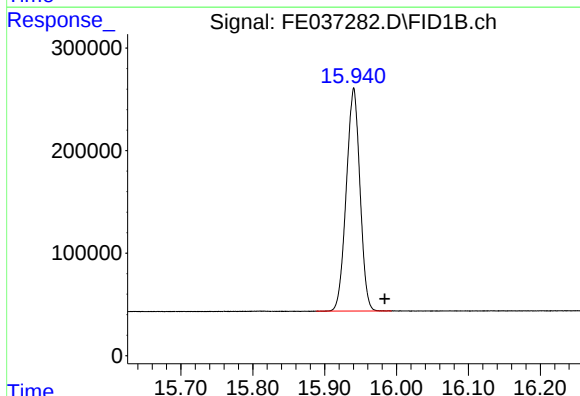
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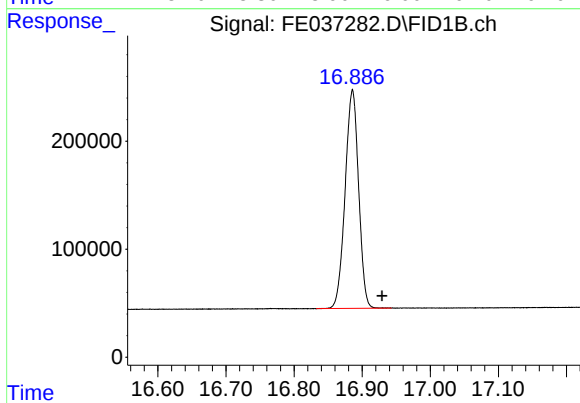
#14 n-Tetracosane (C24)

R.T.: 14.925 min  
Delta R.T.: -0.041 min  
Response: 2986773  
Conc: 18.09 ug/ml



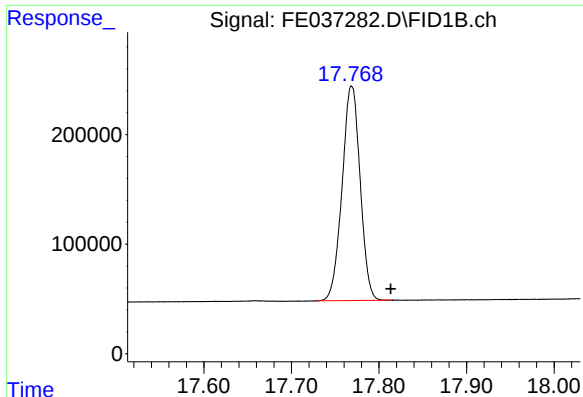
#15 n-Hexacosane (C26)

R.T.: 15.941 min  
Delta R.T.: -0.043 min  
Response: 2872894  
Conc: 17.62 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.886 min  
Delta R.T.: -0.043 min  
Response: 2780529  
Conc: 17.51 ug/ml



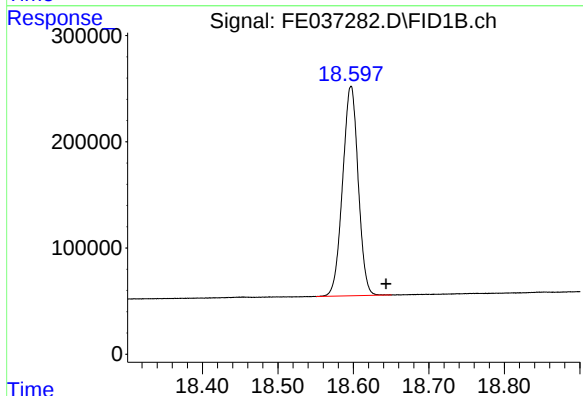
#17 n-Tricontane (C30)

R.T.: 17.768 min  
Delta R.T.: -0.045 min  
Response: 2806936  
Conc: 18.07 ug/ml

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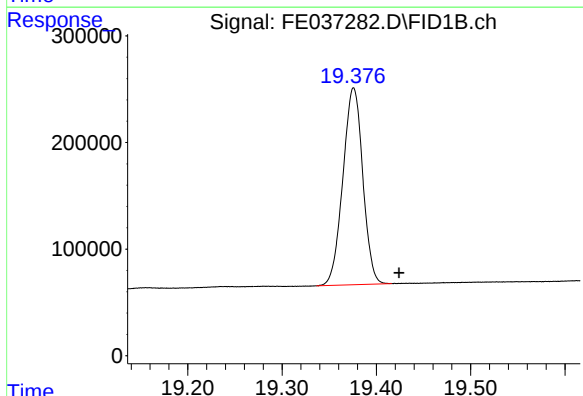
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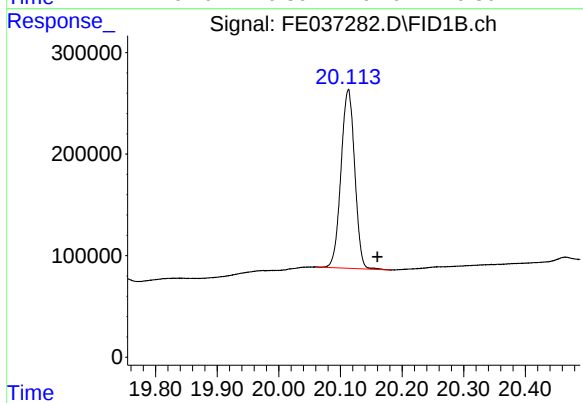
#18 n-Dotriacontane (C32)

R.T.: 18.597 min  
Delta R.T.: -0.046 min  
Response: 2835096  
Conc: 19.01 ug/ml



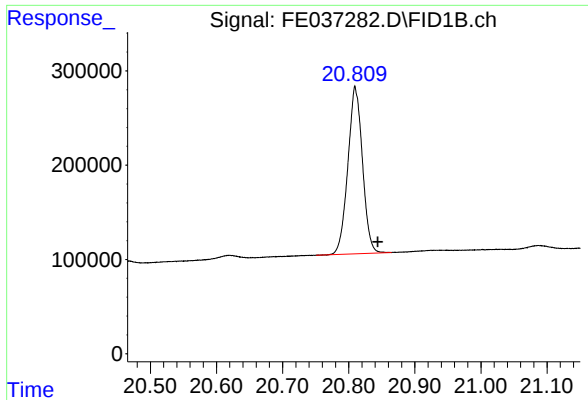
#19 n-Tetratriacontane (C34)

R.T.: 19.376 min  
Delta R.T.: -0.048 min  
Response: 2710822  
Conc: 20.18 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.113 min  
Delta R.T.: -0.047 min  
Response: 2724981  
Conc: 21.23 ug/ml



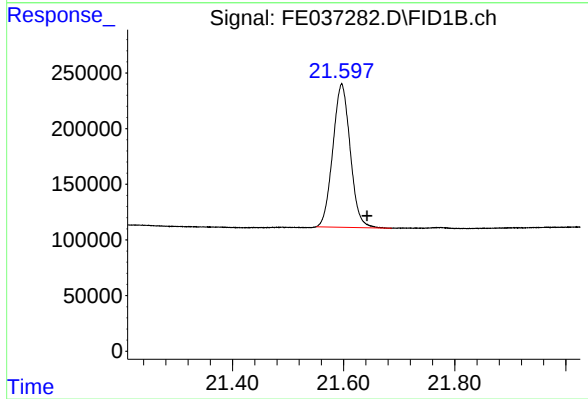
#21 n-Octatriacontane (C38)

R.T.: 20.810 min  
Delta R.T.: -0.034 min  
Response: 2717885  
Conc: 22.64 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.597 min  
Delta R.T.: -0.045 min  
Response: 2797852  
Conc: 23.17 ug/ml