

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE041023AL\  
 Data File : FE041296.D  
 Signal(s) : FID1B.ch  
 Acq On : 11 Apr 2023 03:33  
 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 04/11/2023  
 Supervised By :Ankita Jodhani 04/11/2023

Integration File: autoint1.e  
 Quant Time: Apr 11 04:06:11 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 032523.M  
 Quant Title : GC Extractables  
 QLast Update : Sat Mar 25 06:32:15 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)    | 11.835 | 3276955    | 17.436 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 34.87%        |
| 12) S 1-chlorooctadecane (S... | 13.274 | 2547634    | 17.707 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 35.41%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.236  | 2846940    | 16.408 ug/ml  |
| 2) T n-Decane (C10)            | 4.484  | 2905458    | 17.069 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.186  | 3122460    | 17.071 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.647  | 2978953    | 17.174 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.281  | 2925866    | 17.667 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.473  | 3007054    | 17.246 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.079 | 3087280    | 17.359 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.521 | 3146562    | 17.623 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.829 | 3054135    | 17.905 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.441 | 3019560    | 17.848 ug/ml  |
| 13) T n-Docosane (C22)         | 14.028 | 3031205    | 18.317 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.131 | 3066809    | 18.956 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.154 | 3044082    | 19.637 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.105 | 3119364    | 20.364 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.993 | 3277930    | 21.445 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.826 | 3384503    | 21.678 ug/mlm |
| 19) T n-Tetratriacontane (C34) | 19.612 | 3205797    | 20.687 ug/mlm |
| 20) T n-Hexatriacontane (C36)  | 20.353 | 3027681    | 19.932 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 21.078 | 3002278    | 19.218 ug/mlm |
| 22) T n-Tetracontane (C40)     | 21.953 | 3058652    | 19.164 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Acq On : 11 Apr 2023 03:33  
Operator : YP\AJ  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

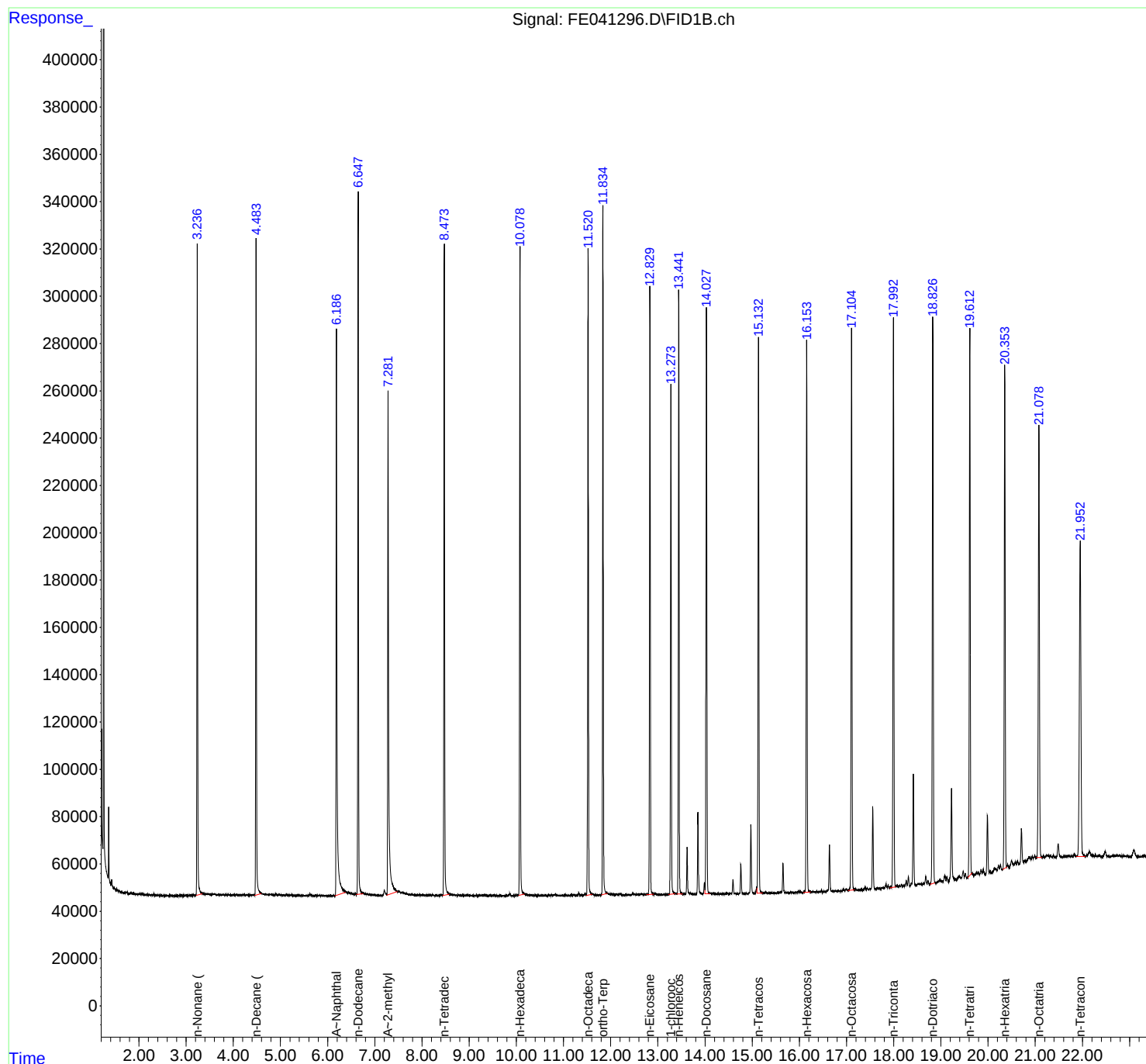
Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

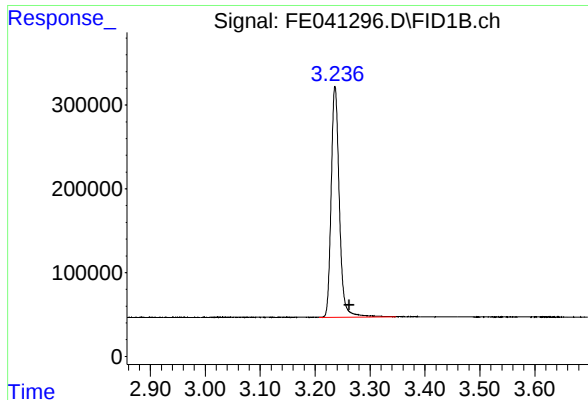
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Signal Info : 20M x 0.18mm x 0.18um





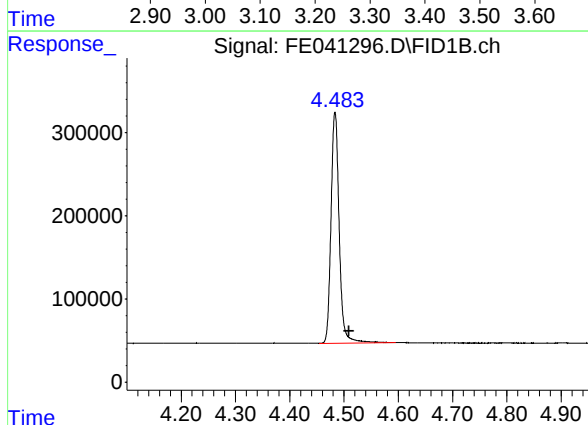
#1 n-Nonane (C9)

R.T.: 3.236 min  
Delta R.T.: -0.026 min  
Response: 2846940  
Conc: 16.41 ug/ml

Instrument :  
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ClientSampleId :  
20 PPM ALIPHATIC HC STD

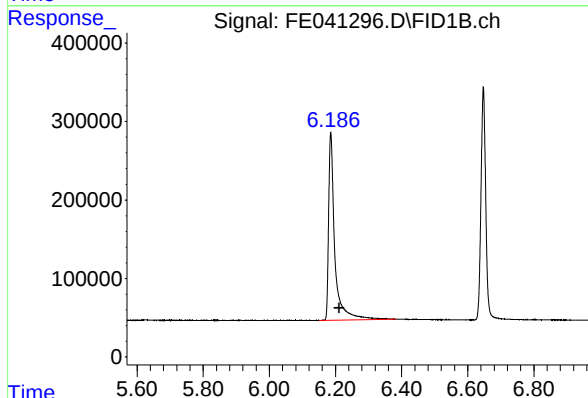
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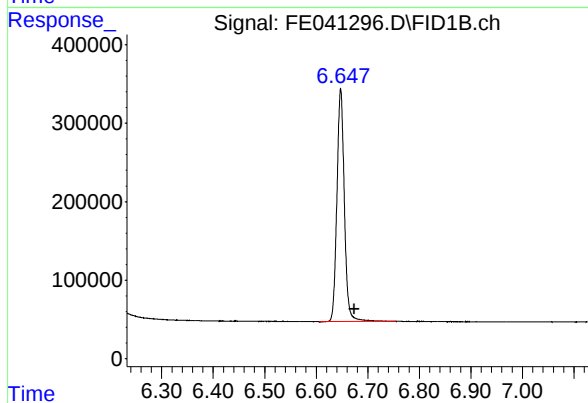
#2 n-Decane (C10)

R.T.: 4.484 min  
Delta R.T.: -0.025 min  
Response: 2905458  
Conc: 17.07 ug/ml



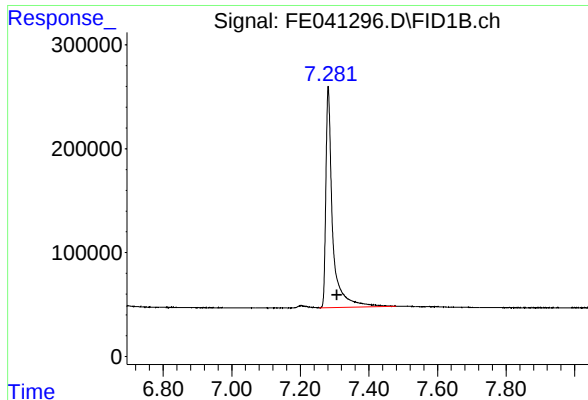
#3 A~Naphthalene (C11.7)

R.T.: 6.186 min  
Delta R.T.: -0.026 min  
Response: 3122460  
Conc: 17.07 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.647 min  
Delta R.T.: -0.026 min  
Response: 2978953  
Conc: 17.17 ug/ml



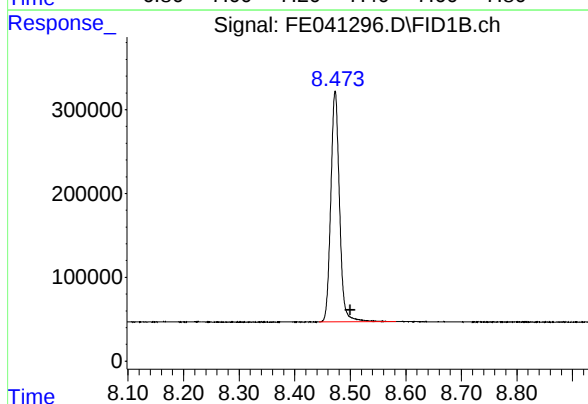
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.281 min  
Delta R.T.: -0.026 min  
Response: 2925866  
Conc: 17.67 ug/ml

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

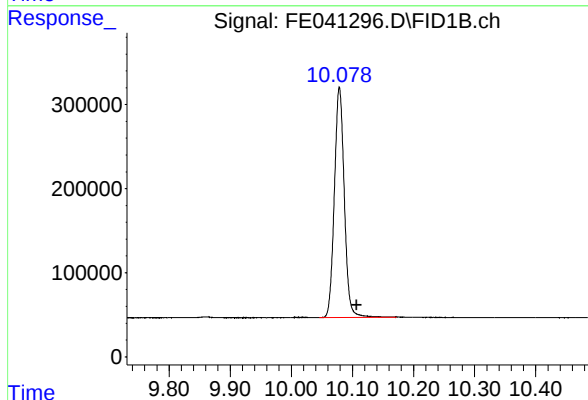
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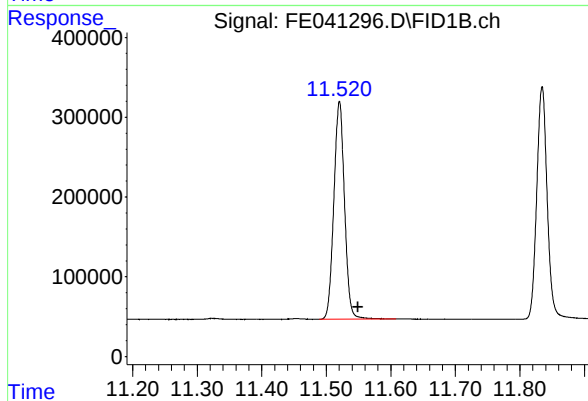
#6 n-Tetradecane (C14)

R.T.: 8.473 min  
Delta R.T.: -0.027 min  
Response: 3007054  
Conc: 17.25 ug/ml



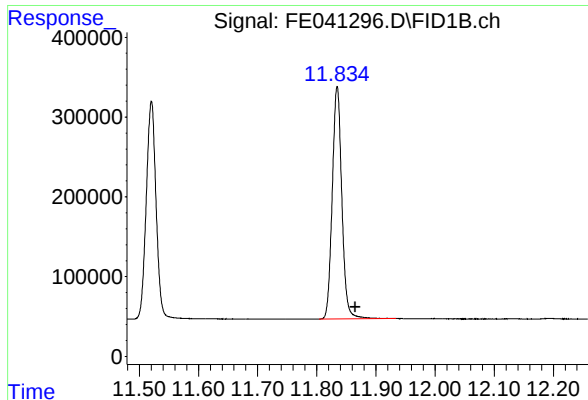
#7 n-Hexadecane (C16)

R.T.: 10.079 min  
Delta R.T.: -0.028 min  
Response: 3087280  
Conc: 17.36 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.521 min  
Delta R.T.: -0.029 min  
Response: 3146562  
Conc: 17.62 ug/ml



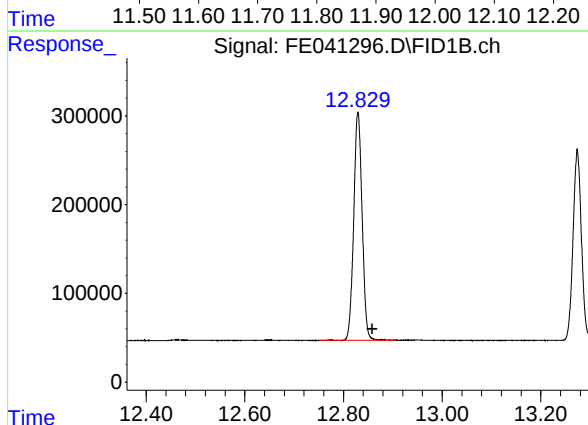
#9 ortho-Terphenyl (SURR)

R.T.: 11.835 min  
Delta R.T.: -0.031 min  
Response: 3276955  
Conc: 17.44 ug/ml

Instrument :  
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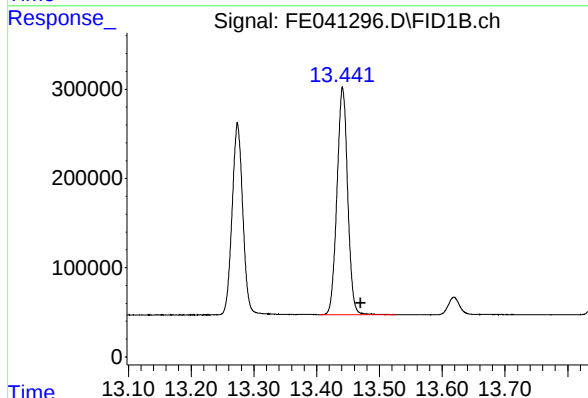
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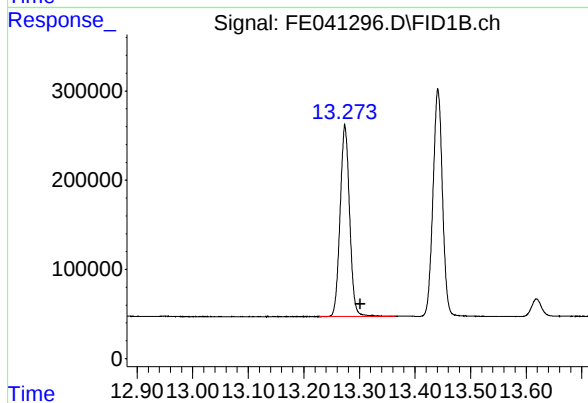
#10 n-Eicosane (C20)

R.T.: 12.829 min  
Delta R.T.: -0.029 min  
Response: 3054135  
Conc: 17.91 ug/ml



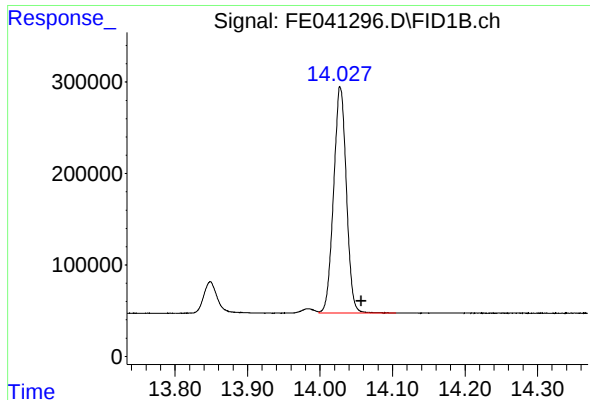
#11 n-Heneicosane (C21)

R.T.: 13.441 min  
Delta R.T.: -0.029 min  
Response: 3019560  
Conc: 17.85 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.274 min  
Delta R.T.: -0.028 min  
Response: 2547634  
Conc: 17.71 ug/ml



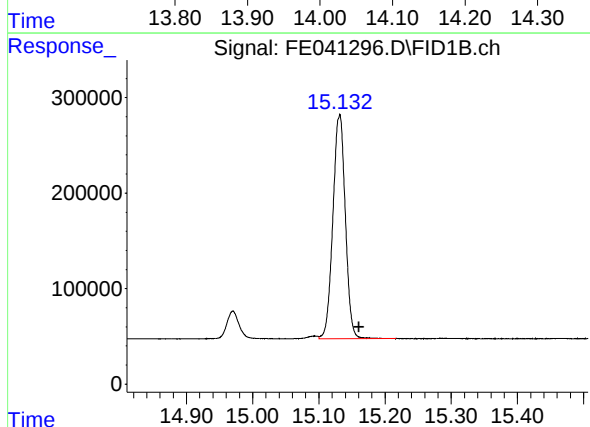
#13 n-Docosane (C22)

R.T.: 14.028 min  
Delta R.T.: -0.029 min  
Response: 3031205  
Conc: 18.32 ug/ml

Instrument :  
FID\_E  
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20 PPM ALIPHATIC HC STD

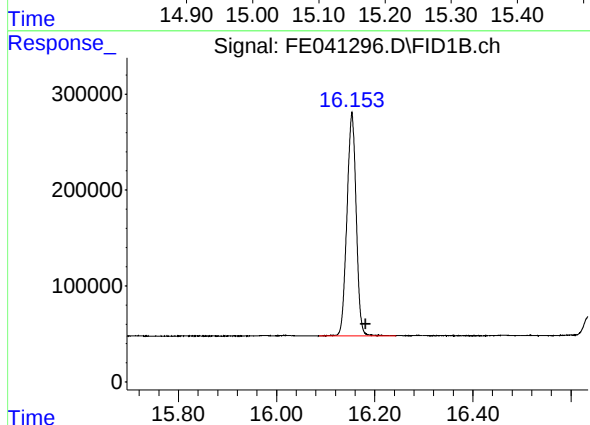
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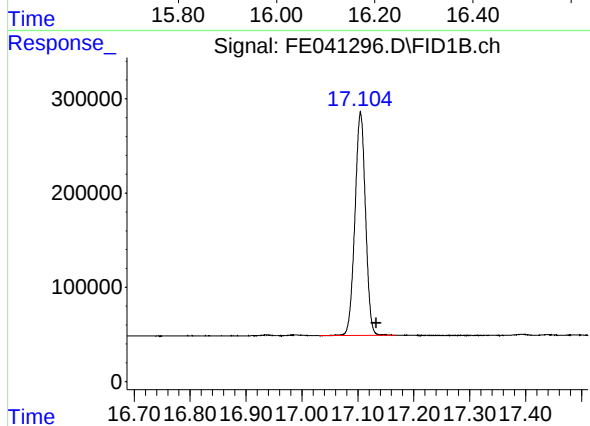
#14 n-Tetracosane (C24)

R.T.: 15.131 min  
Delta R.T.: -0.029 min  
Response: 3066809  
Conc: 18.96 ug/ml



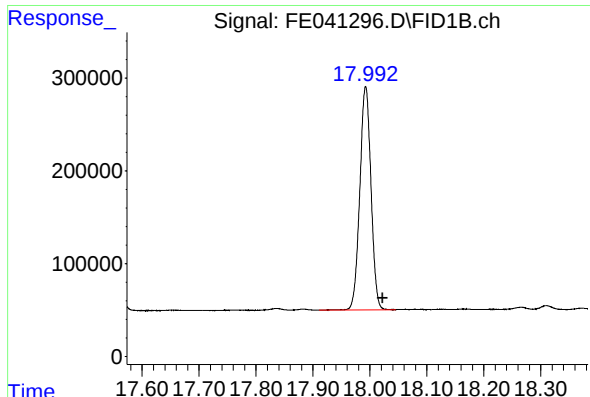
#15 n-Hexacosane (C26)

R.T.: 16.154 min  
Delta R.T.: -0.028 min  
Response: 3044082  
Conc: 19.64 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.105 min  
Delta R.T.: -0.028 min  
Response: 3119364  
Conc: 20.36 ug/ml



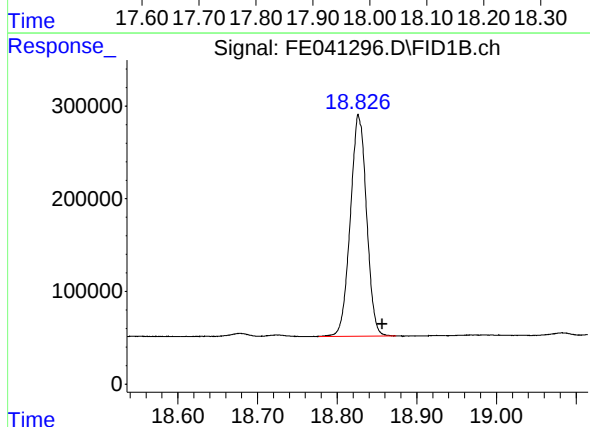
#17 n-Tricontane (C30)

R.T.: 17.993 min  
Delta R.T.: -0.030 min  
Response: 3277930  
Conc: 21.44 ug/ml

Instrument :  
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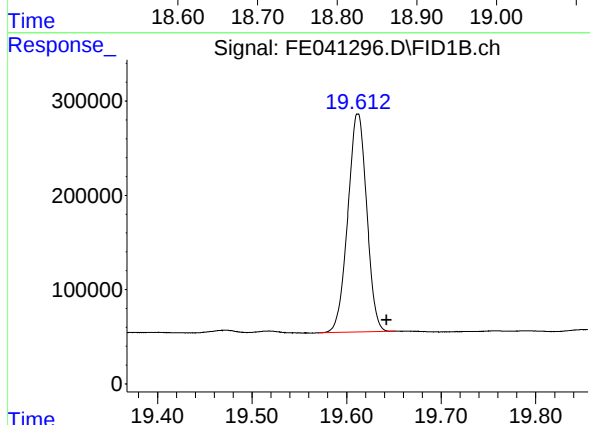
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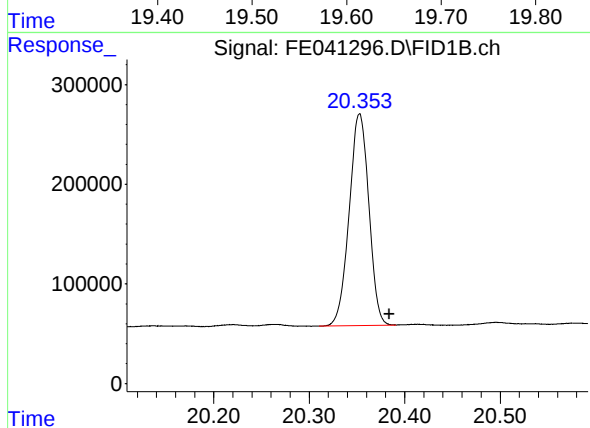
#18 n-Dotriacontane (C32)

R.T.: 18.826 min  
Delta R.T.: -0.031 min  
Response: 3384503  
Conc: 21.68 ug/ml m



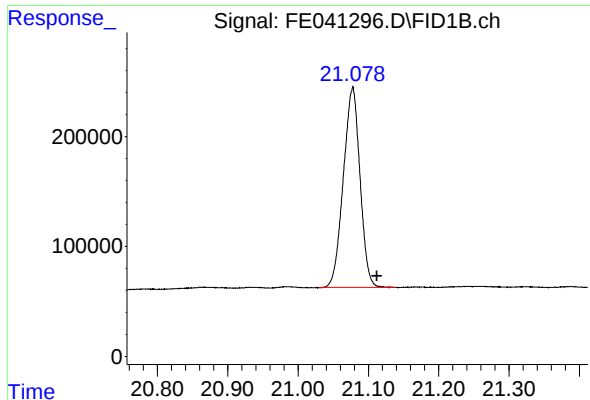
#19 n-Tetratriacontane (C34)

R.T.: 19.612 min  
Delta R.T.: -0.030 min  
Response: 3205797  
Conc: 20.69 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.353 min  
Delta R.T.: -0.031 min  
Response: 3027681  
Conc: 19.93 ug/ml m



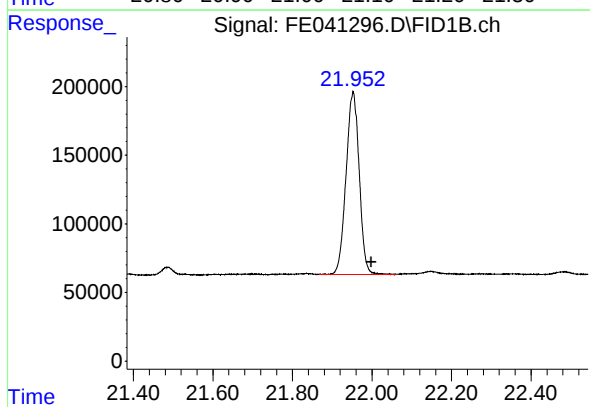
#21 n-Octatriacontane (C38)

R.T.: 21.078 min  
Delta R.T.: -0.034 min  
Response: 3002278  
Conc: 19.22 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.953 min  
Delta R.T.: -0.045 min  
Response: 3058652  
Conc: 19.16 ug/ml