

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE060223AL\  
 Data File : FE042363.D  
 Signal(s) : FID1B.ch  
 Acq On : 02 Jun 2023 08:41  
 Operator : YP\AJ  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

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

Integration File: autoint1.e  
 Quant Time: Jun 05 01:14:38 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 051823.M  
 Quant Title : GC Extractables  
 QLast Update : Thu May 18 06:27:12 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)    | 11.952 | 3412566    | 19.326 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 38.65%       |
| 12) S 1-chlorooctadecane (S... | 13.388 | 2517503    | 18.946 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 37.89%       |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.331  | 2851712    | 19.776 ug/ml |
| 2) T n-Decane (C10)            | 4.583  | 2955463    | 19.964 ug/ml |
| 3) T A~Naphthalene (C11.7)     | 6.290  | 3178903    | 19.483 ug/ml |
| 4) T n-Dodecane (C12)          | 6.751  | 2988641    | 19.930 ug/ml |
| 5) T A~2-methylnaphthalene...  | 7.387  | 3063942    | 19.306 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.580  | 2950378    | 19.694 ug/ml |
| 7) T n-Hexadecane (C16)        | 10.188 | 3052580    | 19.597 ug/ml |
| 8) T n-Octadecane (C18)        | 11.632 | 3075050    | 19.446 ug/ml |
| 10) T n-Eicosane (C20)         | 12.941 | 2928533    | 19.320 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.554 | 2852906    | 19.256 ug/ml |
| 13) T n-Docosane (C22)         | 14.140 | 2810133    | 19.169 ug/ml |
| 14) T n-Tetracosane (C24)      | 15.243 | 2752394    | 19.067 ug/ml |
| 15) T n-Hexacosane (C26)       | 16.264 | 2669189    | 19.272 ug/ml |
| 16) T n-Octacosane (C28)       | 17.214 | 2620598    | 19.574 ug/ml |
| 17) T n-Tricontane (C30)       | 18.101 | 2728737    | 20.214 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.934 | 2722741    | 20.381 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.718 | 2635499    | 20.040 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.457 | 2562246    | 19.714 ug/ml |
| 21) T n-Octatriacontane (C38)  | 21.205 | 2594232    | 19.121 ug/ml |
| 22) T n-Tetracontane (C40)     | 22.135 | 2657855    | 19.105 ug/ml |
| -----                          |        |            |              |

(f)=RT Delta > 1/2 Window

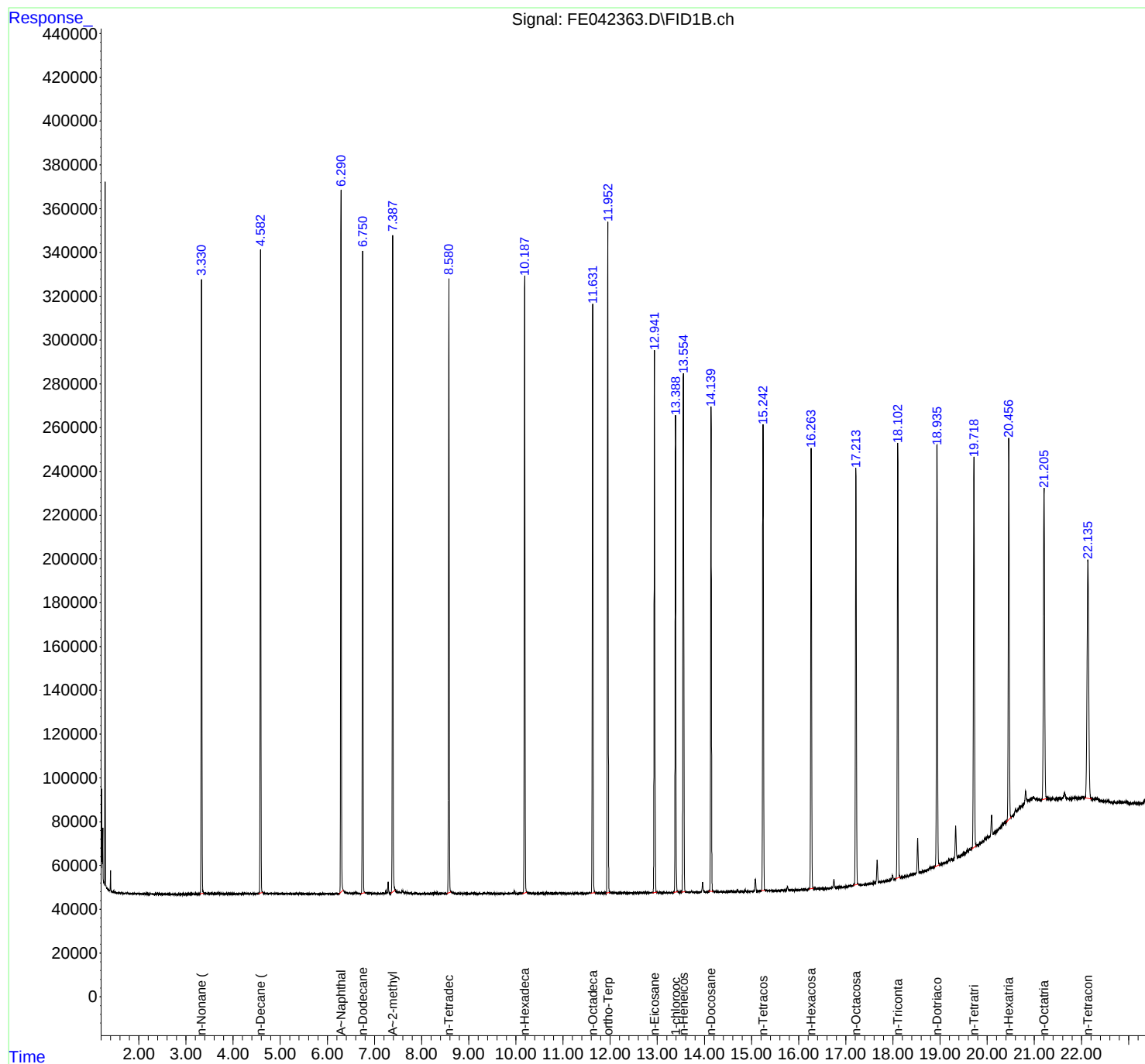
(m)=manual int.

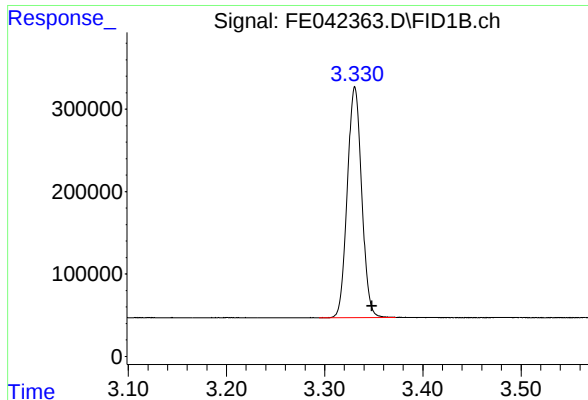
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Volume Inj. : 1 ul  
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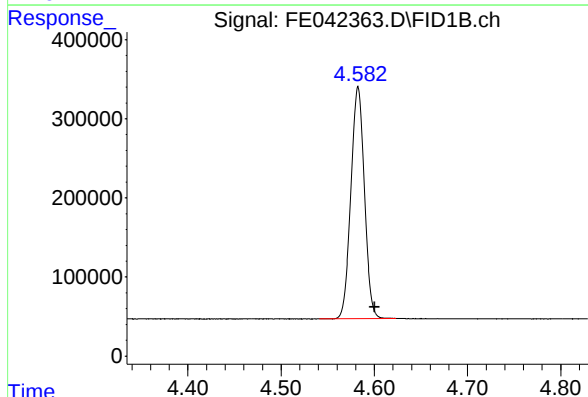




#1 n-Nonane (C9)

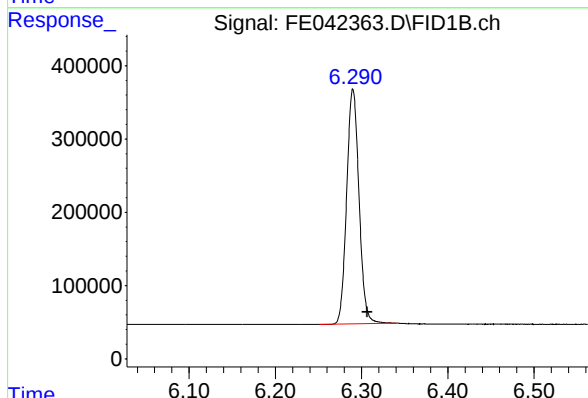
R.T.: 3.331 min  
Delta R.T.: -0.017 min  
Response: 2851712  
Conc: 19.78 ug/ml

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



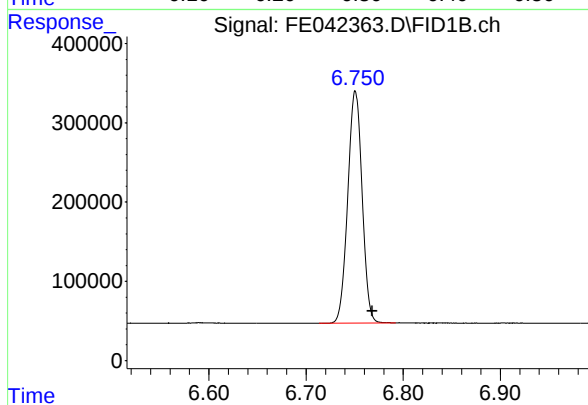
#2 n-Decane (C10)

R.T.: 4.583 min  
Delta R.T.: -0.018 min  
Response: 2955463  
Conc: 19.96 ug/ml



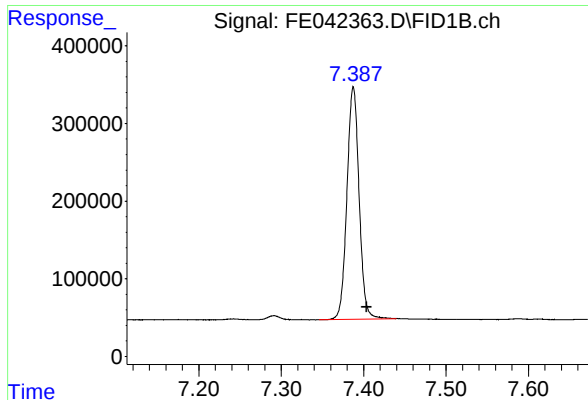
#3 A~Naphthalene (C11.7)

R.T.: 6.290 min  
Delta R.T.: -0.017 min  
Response: 3178903  
Conc: 19.48 ug/ml



#4 n-Dodecane (C12)

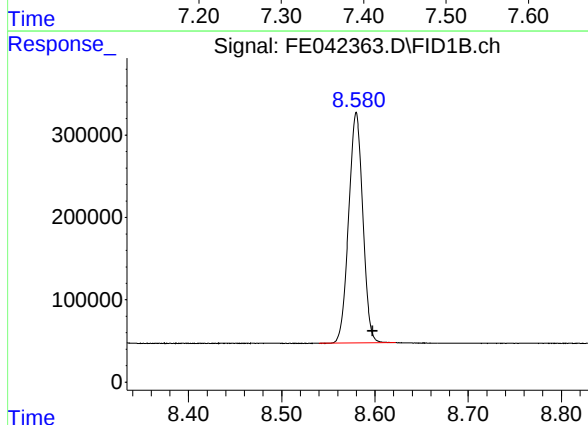
R.T.: 6.751 min  
Delta R.T.: -0.017 min  
Response: 2988641  
Conc: 19.93 ug/ml



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

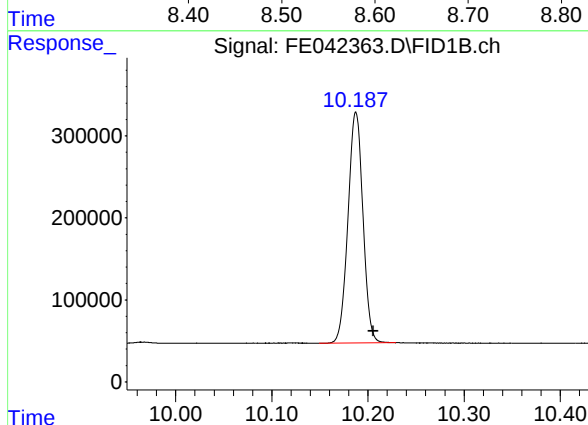
R.T.: 7.387 min  
Delta R.T.: -0.016 min  
Response: 3063942  
Conc: 19.31 ug/ml

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



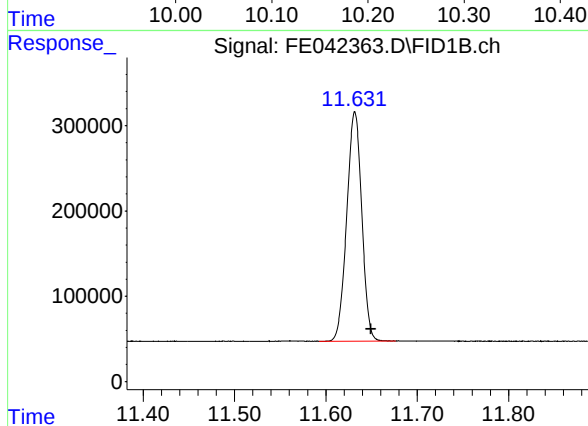
#6 n-Tetradecane (C14)

R.T.: 8.580 min  
Delta R.T.: -0.017 min  
Response: 2950378  
Conc: 19.69 ug/ml



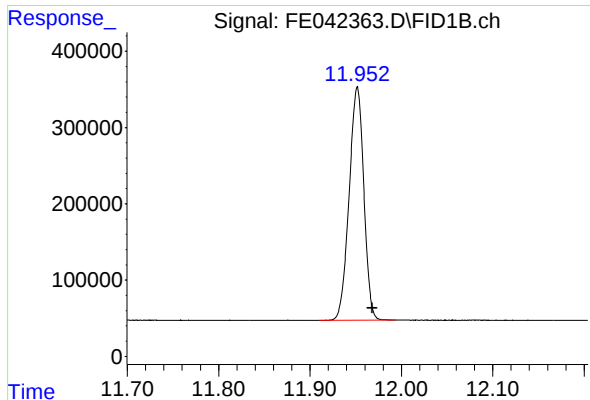
#7 n-Hexadecane (C16)

R.T.: 10.188 min  
Delta R.T.: -0.018 min  
Response: 3052580  
Conc: 19.60 ug/ml



#8 n-Octadecane (C18)

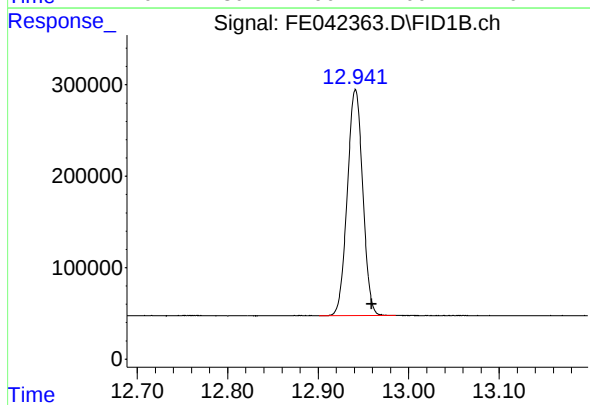
R.T.: 11.632 min  
Delta R.T.: -0.017 min  
Response: 3075050  
Conc: 19.45 ug/ml



#9 ortho-Terphenyl (SURR)

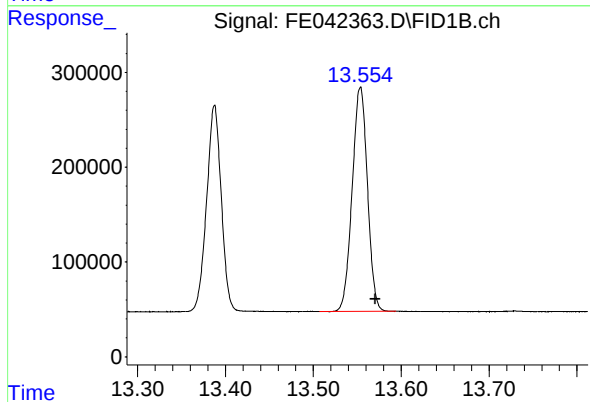
R.T.: 11.952 min  
Delta R.T.: -0.016 min  
Response: 3412566  
Conc: 19.33 ug/ml

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



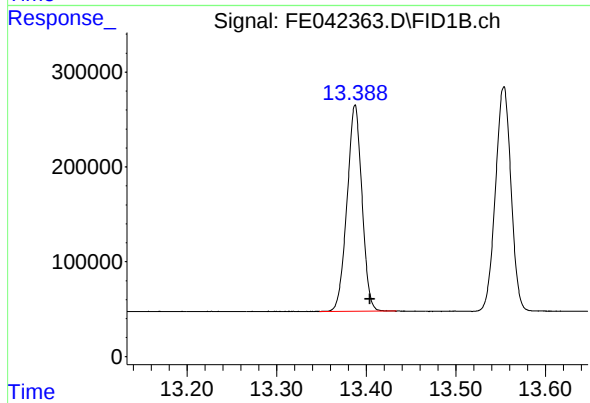
#10 n-Eicosane (C20)

R.T.: 12.941 min  
Delta R.T.: -0.018 min  
Response: 2928533  
Conc: 19.32 ug/ml



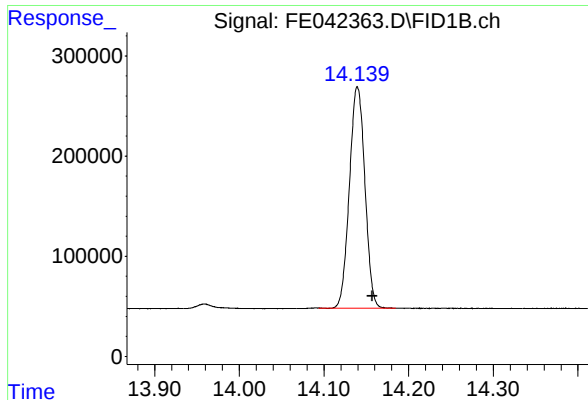
#11 n-Heneicosane (C21)

R.T.: 13.554 min  
Delta R.T.: -0.017 min  
Response: 2852906  
Conc: 19.26 ug/ml



#12 1-chlorooctadecane (SURR)

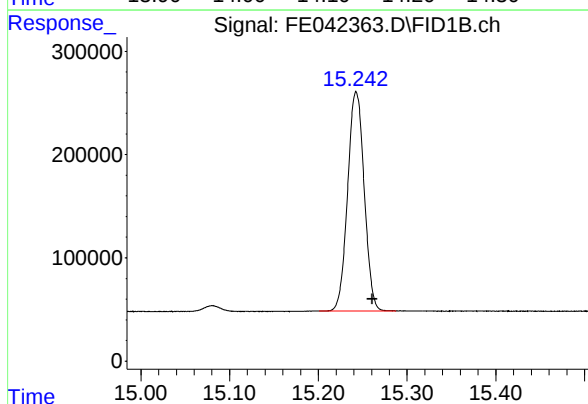
R.T.: 13.388 min  
Delta R.T.: -0.017 min  
Response: 2517503  
Conc: 18.95 ug/ml



#13 n-Docosane (C22)

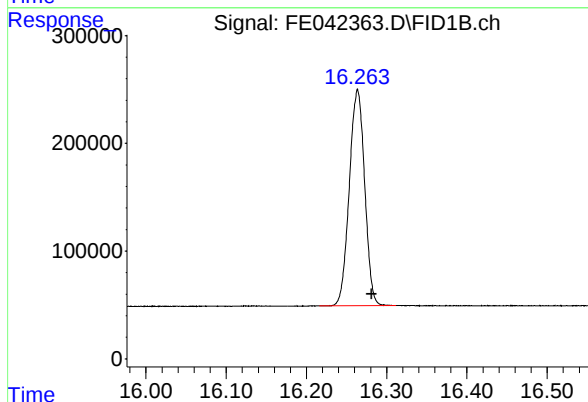
R.T.: 14.140 min  
Delta R.T.: -0.018 min  
Response: 2810133  
Conc: 19.17 ug/ml

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



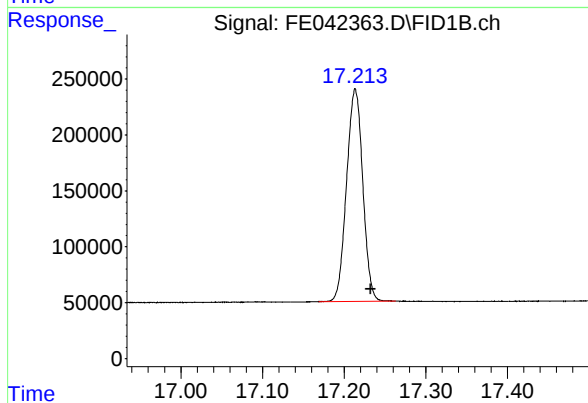
#14 n-Tetracosane (C24)

R.T.: 15.243 min  
Delta R.T.: -0.018 min  
Response: 2752394  
Conc: 19.07 ug/ml



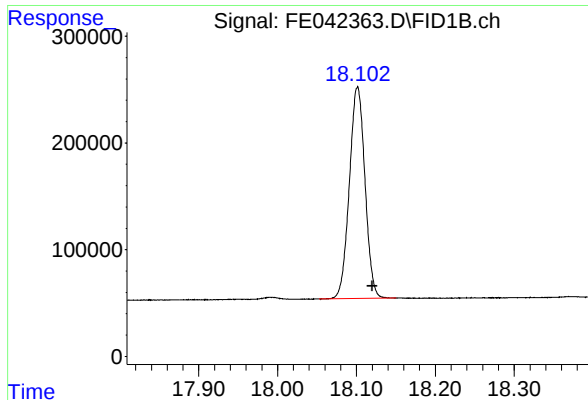
#15 n-Hexacosane (C26)

R.T.: 16.264 min  
Delta R.T.: -0.017 min  
Response: 2669189  
Conc: 19.27 ug/ml



#16 n-Octacosane (C28)

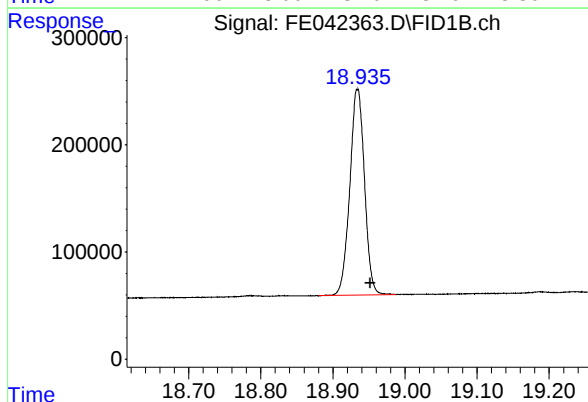
R.T.: 17.214 min  
Delta R.T.: -0.019 min  
Response: 2620598  
Conc: 19.57 ug/ml



#17 n-Tricontane (C30)

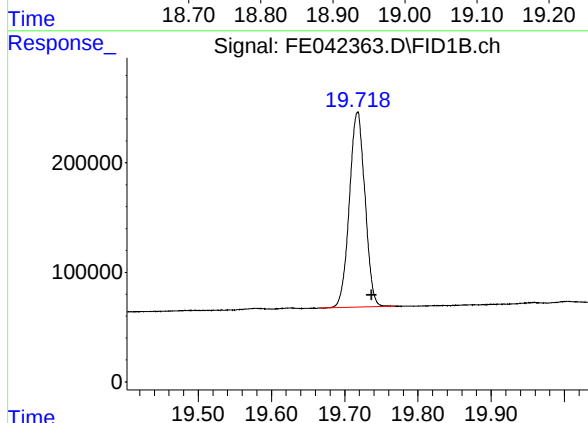
R.T.: 18.101 min  
Delta R.T.: -0.018 min  
Response: 2728737  
Conc: 20.21 ug/ml

Instrument :  
FID\_E  
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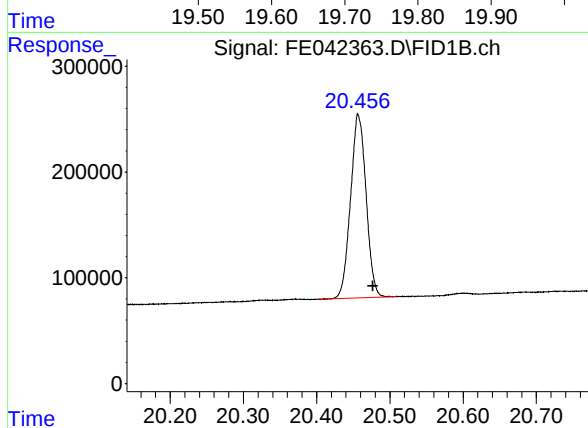
#18 n-Dotriacontane (C32)

R.T.: 18.934 min  
Delta R.T.: -0.018 min  
Response: 2722741  
Conc: 20.38 ug/ml



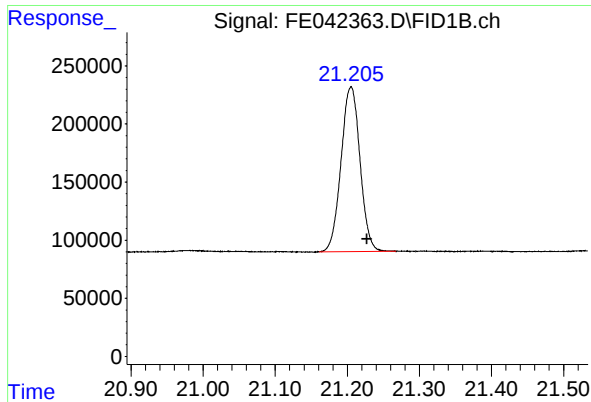
#19 n-Tetatriacontane (C34)

R.T.: 19.718 min  
Delta R.T.: -0.019 min  
Response: 2635499  
Conc: 20.04 ug/ml



#20 n-Hexatriacontane (C36)

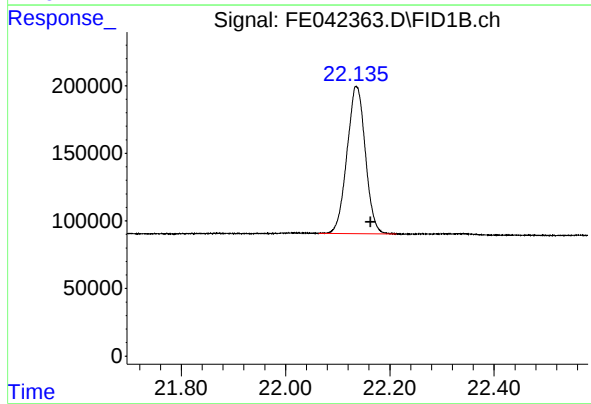
R.T.: 20.457 min  
Delta R.T.: -0.020 min  
Response: 2562246  
Conc: 19.71 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.205 min  
Delta R.T.: -0.022 min  
Response: 2594232  
Conc: 19.12 ug/ml

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



#22 n-Tetracontane (C40)

R.T.: 22.135 min  
Delta R.T.: -0.028 min  
Response: 2657855  
Conc: 19.10 ug/ml