

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE022324AL\  
 Data File : FE046920.D  
 Signal(s) : FID1B.ch  
 Acq On : 23 Feb 2024 11:06  
 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

Integration File: autoint1.e  
 Quant Time: Feb 23 16:32:18 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 022024.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Feb 20 11:04:00 2024  
 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)    | 11.791 | 3322916    | 20.225 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 40.45%       |
| 12) S 1-chlorooctadecane (S... | 13.234 | 2540402    | 20.637 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 41.27%       |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.183  | 3089662    | 20.261 ug/ml |
| 2) T n-Decane (C10)            | 4.434  | 3163290    | 20.424 ug/ml |
| 3) T A~Naphthalene (C11.7)     | 6.140  | 3167269    | 20.109 ug/ml |
| 4) T n-Dodecane (C12)          | 6.602  | 3184254    | 20.480 ug/ml |
| 5) T A~2-methylnaphthalene...  | 7.237  | 2965614    | 20.681 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.428  | 3150037    | 20.428 ug/ml |
| 7) T n-Hexadecane (C16)        | 10.036 | 3240541    | 20.424 ug/ml |
| 8) T n-Octadecane (C18)        | 11.479 | 3259682    | 20.447 ug/ml |
| 10) T n-Eicosane (C20)         | 12.789 | 3081468    | 20.358 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.400 | 3017145    | 20.375 ug/ml |
| 13) T n-Docosane (C22)         | 13.986 | 2968531    | 20.403 ug/ml |
| 14) T n-Tetracosane (C24)      | 15.090 | 2926601    | 20.492 ug/ml |
| 15) T n-Hexacosane (C26)       | 16.110 | 2861339    | 20.476 ug/ml |
| 16) T n-Octacosane (C28)       | 17.061 | 2794947    | 20.515 ug/ml |
| 17) T n-Tricontane (C30)       | 17.950 | 2861867    | 20.513 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.783 | 2822661    | 20.513 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.567 | 2752098    | 20.487 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.309 | 2732214    | 20.518 ug/ml |
| 21) T n-Octatriacontane (C38)  | 21.031 | 2811287    | 20.403 ug/ml |
| 22) T n-Tetracontane (C40)     | 21.903 | 2892035    | 20.498 ug/ml |
| -----                          |        |            |              |

(f)=RT Delta > 1/2 Window

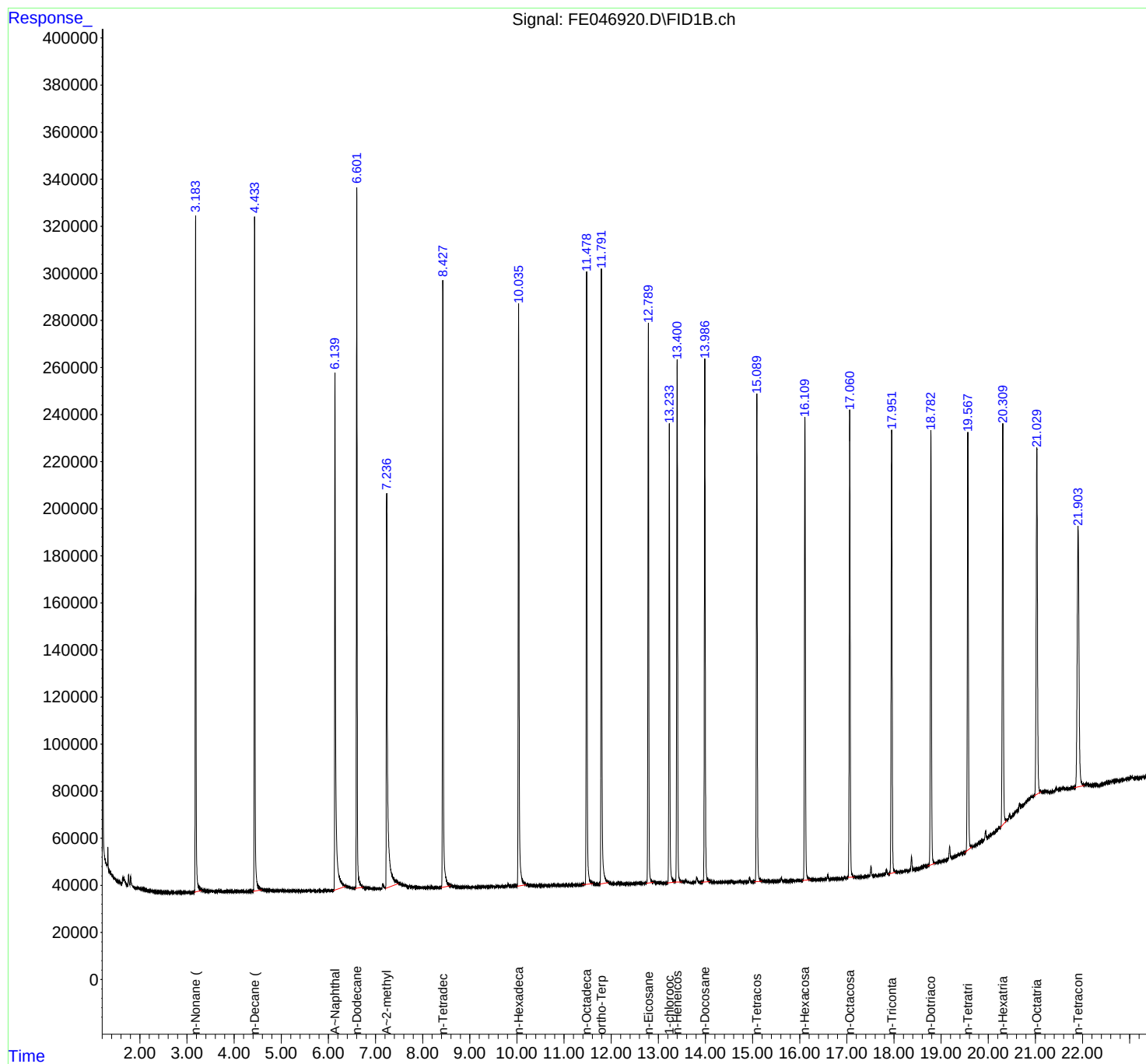
(m)=manual int.

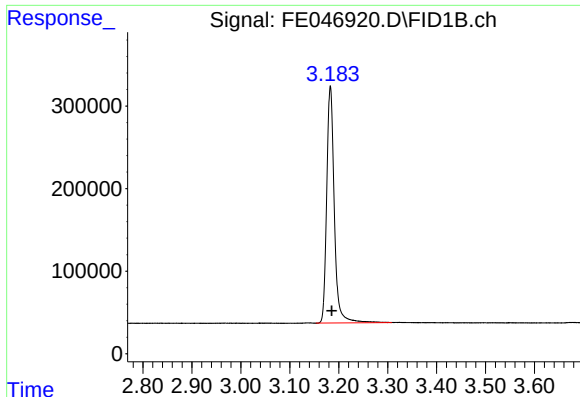
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE022324AL\  
Data File : FE046920.D  
Signal(s) : FID1B.ch  
Acq On : 23 Feb 2024 11:06  
Operator : YP\AJ  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

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20 PPM ALIPHATIC HC STD

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Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 022024.M  
Quant Title : GC Extractables  
QLast Update : Tue Feb 20 11:04:00 2024  
Response via : Initial Calibration  
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Volume Inj. : 1 ul  
Signal Phase : Rxi-1ms  
Signal Info : 20M x 0.18mm x 0.18um

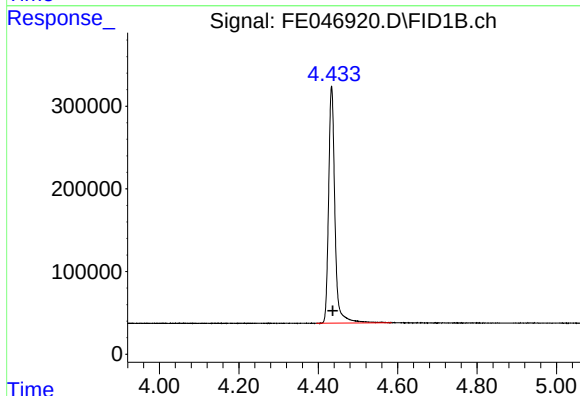




#1 n-Nonane (C9)

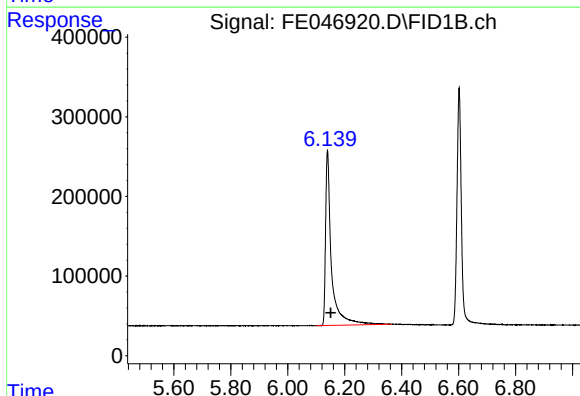
R.T.: 3.183 min  
Delta R.T.: -0.003 min  
Response: 3089662  
Conc: 20.26 ug/ml

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



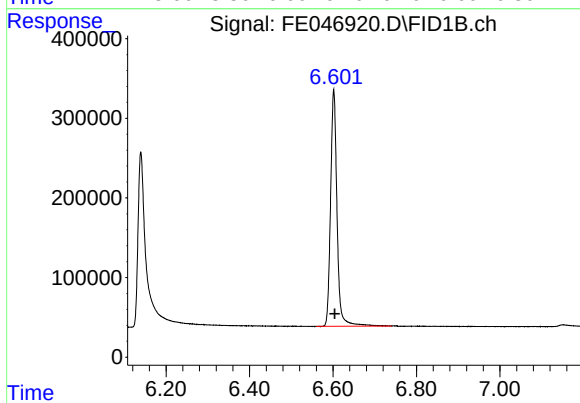
#2 n-Decane (C10)

R.T.: 4.434 min  
Delta R.T.: -0.003 min  
Response: 3163290  
Conc: 20.42 ug/ml



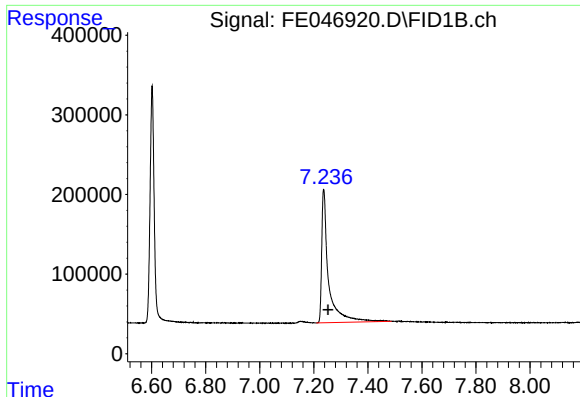
#3 A~Naphthalene (C11.7)

R.T.: 6.140 min  
Delta R.T.: -0.012 min  
Response: 3167269  
Conc: 20.11 ug/ml



#4 n-Dodecane (C12)

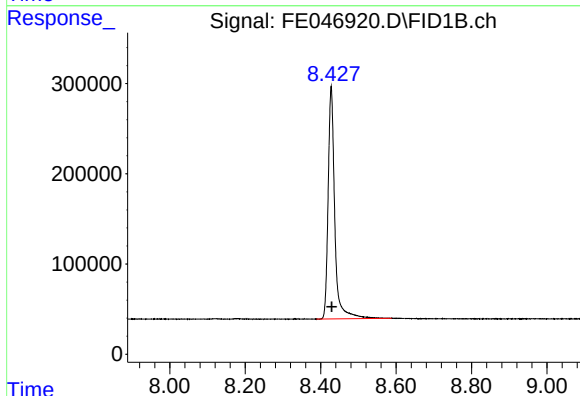
R.T.: 6.602 min  
Delta R.T.: -0.002 min  
Response: 3184254  
Conc: 20.48 ug/ml



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

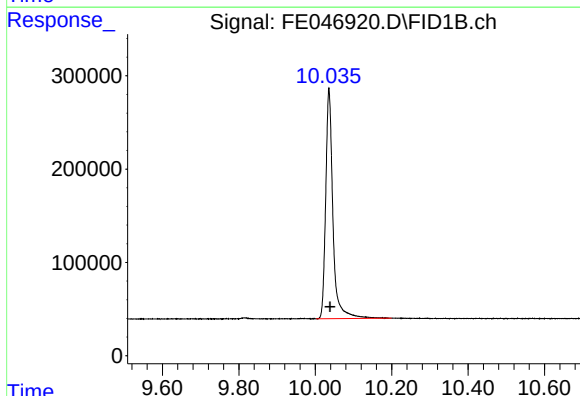
R.T.: 7.237 min  
Delta R.T.: -0.016 min  
Response: 2965614  
Conc: 20.68 ug/ml

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



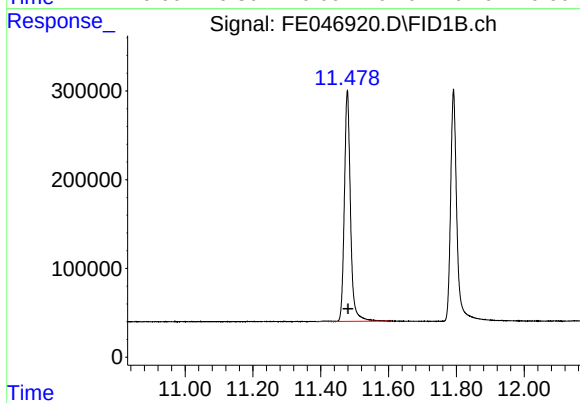
#6 n-Tetradecane (C14)

R.T.: 8.428 min  
Delta R.T.: -0.002 min  
Response: 3150037  
Conc: 20.43 ug/ml



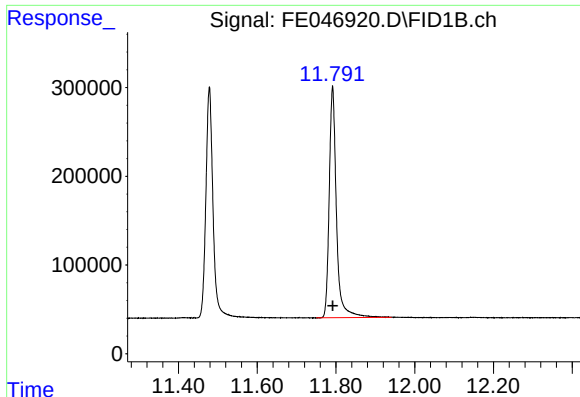
#7 n-Hexadecane (C16)

R.T.: 10.036 min  
Delta R.T.: -0.003 min  
Response: 3240541  
Conc: 20.42 ug/ml



#8 n-Octadecane (C18)

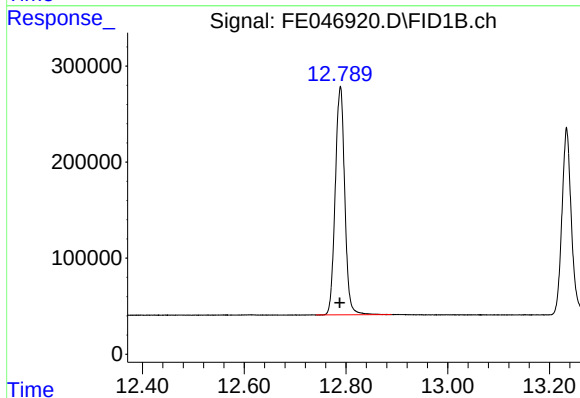
R.T.: 11.479 min  
Delta R.T.: -0.002 min  
Response: 3259682  
Conc: 20.45 ug/ml



#9 ortho-Terphenyl (SURR)

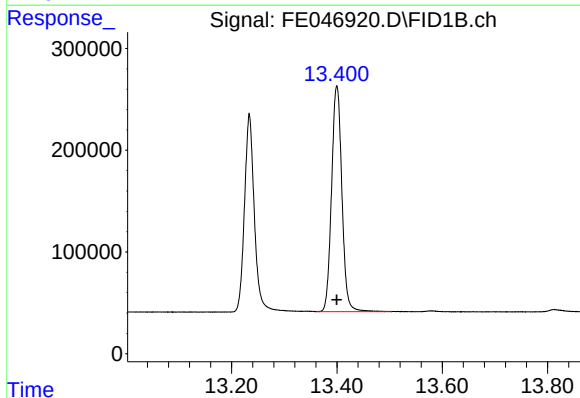
R.T.: 11.791 min  
Delta R.T.: 0.000 min  
Response: 3322916  
Conc: 20.22 ug/ml

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



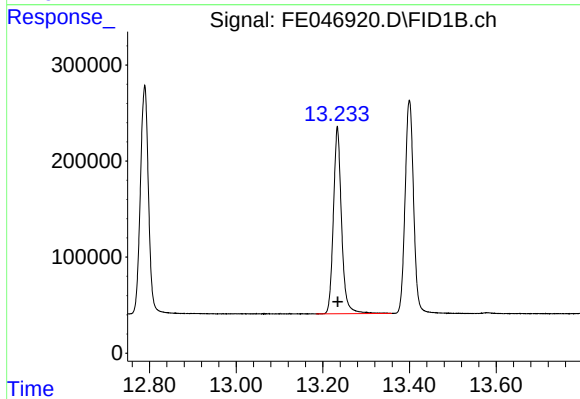
#10 n-Eicosane (C20)

R.T.: 12.789 min  
Delta R.T.: 0.001 min  
Response: 3081468  
Conc: 20.36 ug/ml



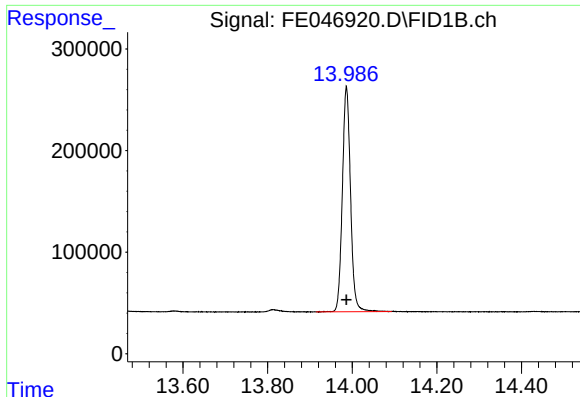
#11 n-Heneicosane (C21)

R.T.: 13.400 min  
Delta R.T.: 0.000 min  
Response: 3017145  
Conc: 20.37 ug/ml



#12 1-chlorooctadecane (SURR)

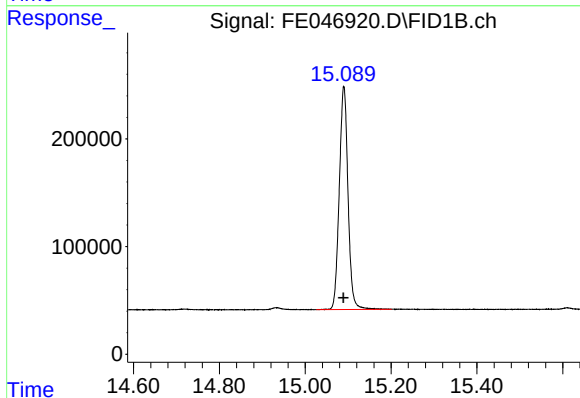
R.T.: 13.234 min  
Delta R.T.: -0.001 min  
Response: 2540402  
Conc: 20.64 ug/ml



#13 n-Docosane (C22)

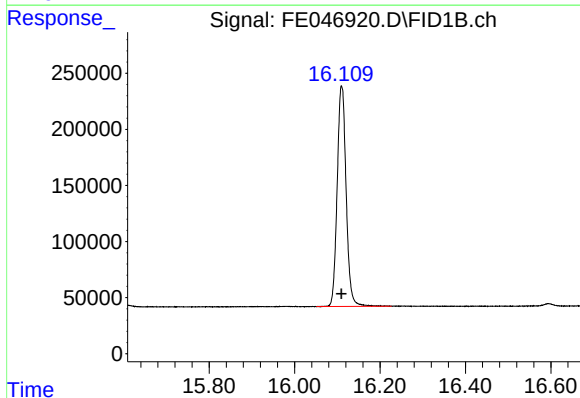
R.T.: 13.986 min  
Delta R.T.: 0.000 min  
Response: 2968531  
Conc: 20.40 ug/ml

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



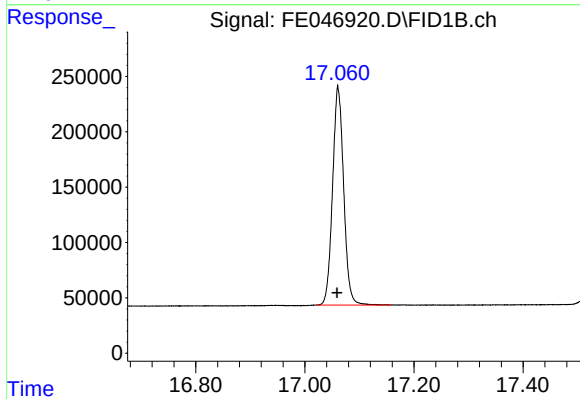
#14 n-Tetracosane (C24)

R.T.: 15.090 min  
Delta R.T.: 0.001 min  
Response: 2926601  
Conc: 20.49 ug/ml



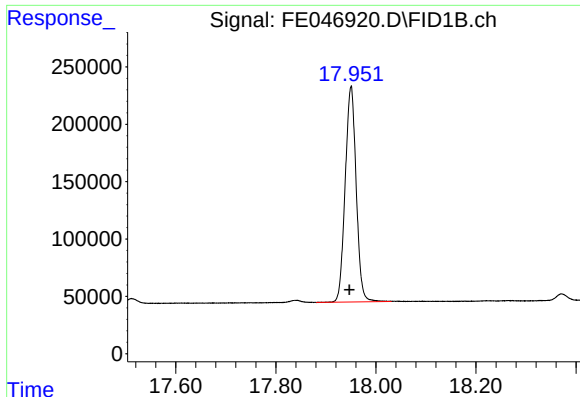
#15 n-Hexacosane (C26)

R.T.: 16.110 min  
Delta R.T.: 0.001 min  
Response: 2861339  
Conc: 20.48 ug/ml



#16 n-Octacosane (C28)

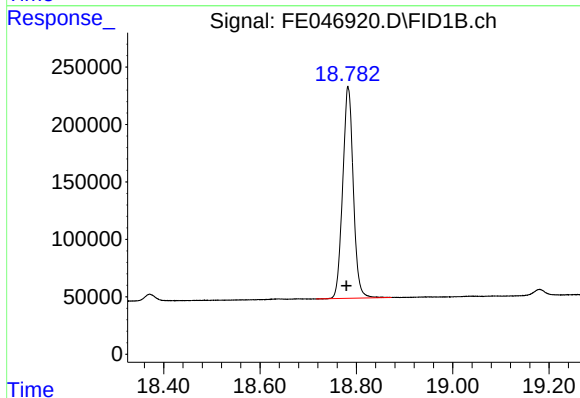
R.T.: 17.061 min  
Delta R.T.: 0.002 min  
Response: 2794947  
Conc: 20.51 ug/ml



#17 n-Tricontane (C30)

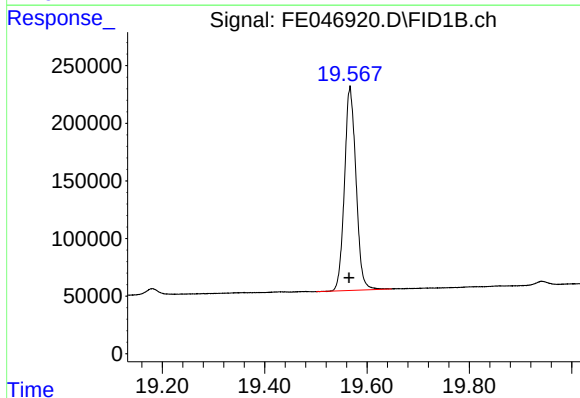
R.T.: 17.950 min  
Delta R.T.: 0.004 min  
Response: 2861867  
Conc: 20.51 ug/ml

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



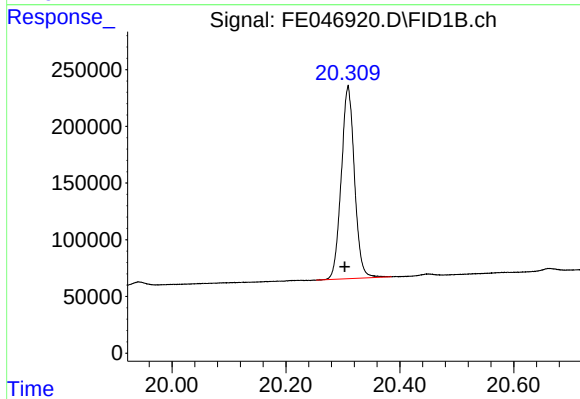
#18 n-Dotriacontane (C32)

R.T.: 18.783 min  
Delta R.T.: 0.004 min  
Response: 2822661  
Conc: 20.51 ug/ml



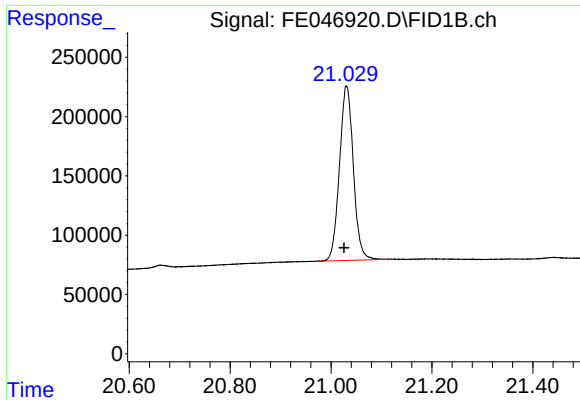
#19 n-Tetratriacontane (C34)

R.T.: 19.567 min  
Delta R.T.: 0.002 min  
Response: 2752098  
Conc: 20.49 ug/ml



#20 n-Hexatriacontane (C36)

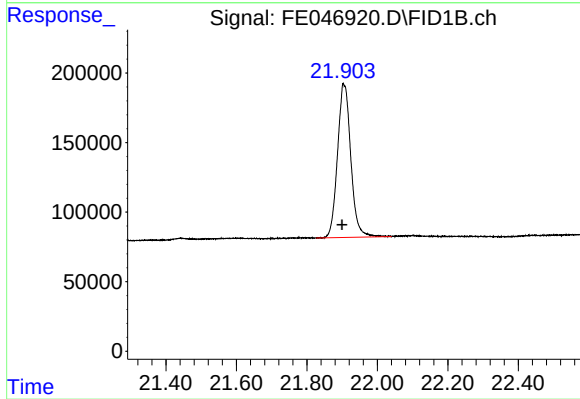
R.T.: 20.309 min  
Delta R.T.: 0.006 min  
Response: 2732214  
Conc: 20.52 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.031 min  
Delta R.T.: 0.005 min  
Response: 2811287  
Conc: 20.40 ug/ml

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



#22 n-Tetracontane (C40)

R.T.: 21.903 min  
Delta R.T.: 0.003 min  
Response: 2892035  
Conc: 20.50 ug/ml