

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE092724AL\  
 Data File : FE050404.D  
 Signal(s) : FID1B.ch  
 Acq On : 27 Sep 2024 06:59  
 Operator : YP\AJ  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 09/30/2024  
 Supervised By :Ankita Jodhani 09/30/2024

Integration File: autoint1.e  
 Quant Time: Sep 28 00:16:19 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 091024.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 09 17:11:47 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)    | 11.864 | 2563973    | 17.233 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 34.47%        |
| 12) S 1-chlorooctadecane (S... | 13.299 | 1945587    | 17.321 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 34.64%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.254  | 2323265    | 17.140 ug/ml  |
| 2) T n-Decane (C10)            | 4.504  | 2412288    | 17.479 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.215  | 2441164    | 17.441 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.672  | 2425054    | 17.537 ug/mlm |
| 5) T A~2-methylnaphthalene...  | 7.310  | 2279769    | 17.345 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.499  | 2415671    | 17.740 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.104 | 2495221    | 17.964 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.545 | 2517322    | 17.968 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.852 | 2400957    | 17.898 ug/mlm |
| 11) T n-Heneicosane (C21)      | 13.463 | 2356789    | 17.936 ug/ml  |
| 13) T n-Docosane (C22)         | 14.049 | 2351710    | 18.060 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.151 | 2376900    | 18.201 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.169 | 2366454    | 18.497 ug/mlm |
| 16) T n-Octacosane (C28)       | 17.118 | 2469482    | 19.172 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.005 | 2700499    | 20.195 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.836 | 2822963    | 21.184 ug/mlm |
| 19) T n-Tetratriacontane (C34) | 19.620 | 2779374    | 22.494 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.360 | 2650742    | 23.891 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 21.083 | 2571390    | 23.317 ug/mlm |
| 22) T n-Tetracontane (C40)     | 21.967 | 2331473    | 21.426 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 : 6 Sample Multiplier: 1

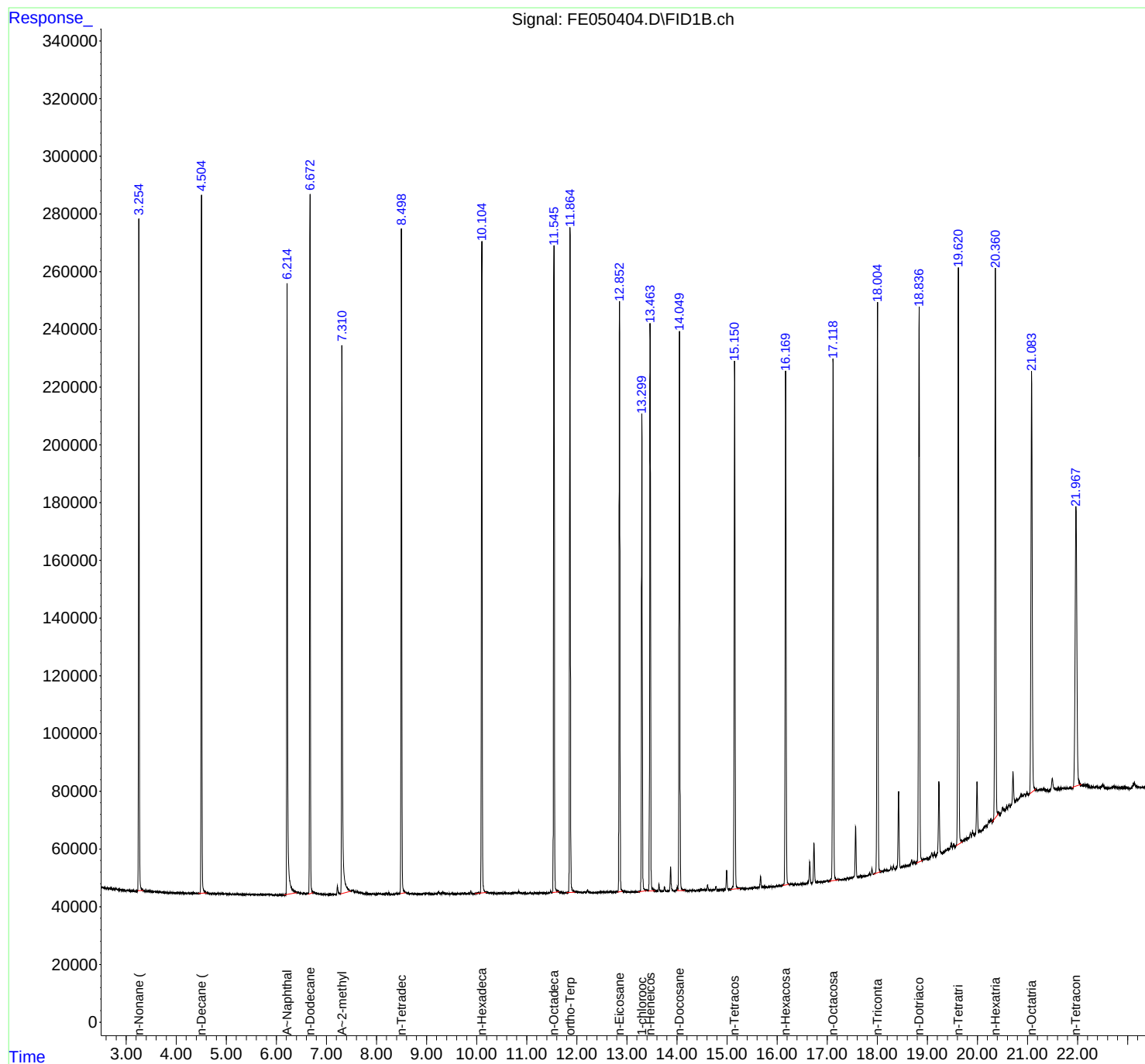
Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

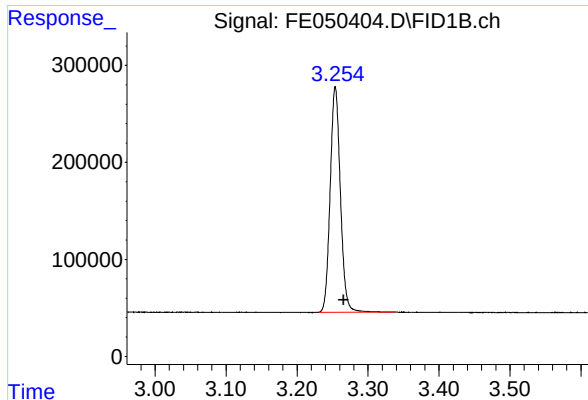
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QLast Update : Mon Sep 09 17:11:47 2024  
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Volume Inj. : 1 ul  
Signal Phase : Rxi-1ms  
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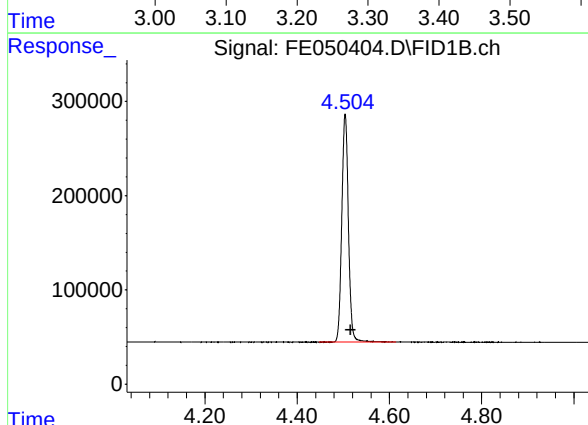
#1 n-Nonane (C9)

R.T.: 3.254 min  
Delta R.T.: -0.012 min  
Response: 2323265  
Conc: 17.14 ug/ml

Instrument :  
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ClientSampleId :  
20 PPM ALIPHATIC HC STD

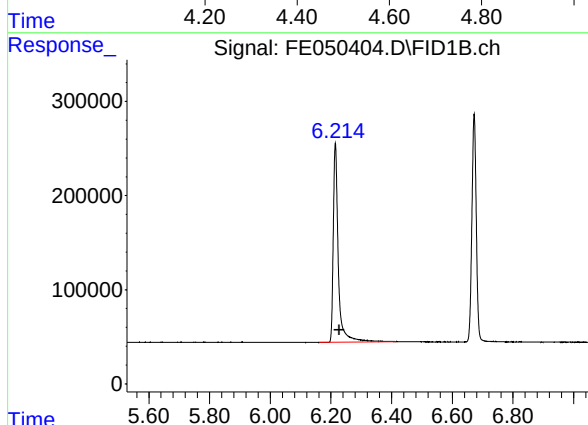
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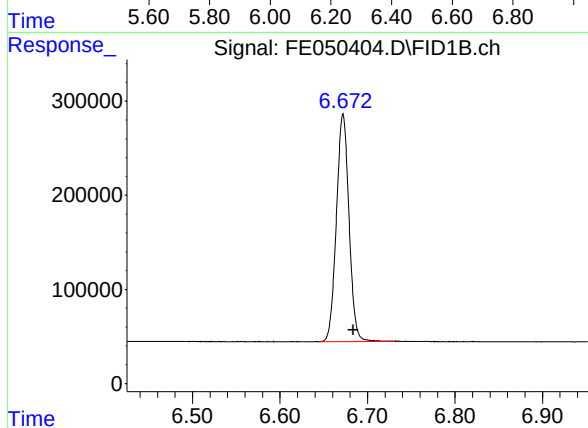
#2 n-Decane (C10)

R.T.: 4.504 min  
Delta R.T.: -0.012 min  
Response: 2412288  
Conc: 17.48 ug/ml



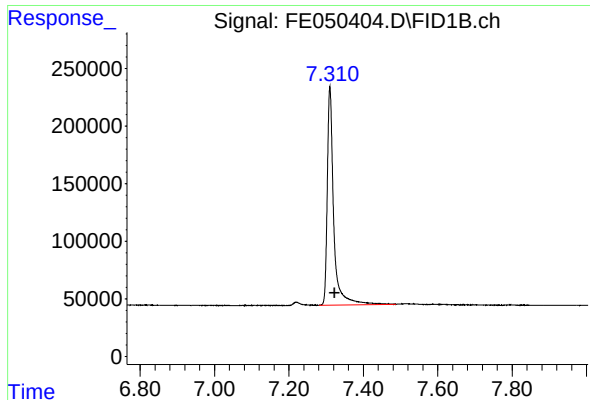
#3 A~Naphthalene (C11.7)

R.T.: 6.215 min  
Delta R.T.: -0.012 min  
Response: 2441164  
Conc: 17.44 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.672 min  
Delta R.T.: -0.012 min  
Response: 2425054  
Conc: 17.54 ug/ml m



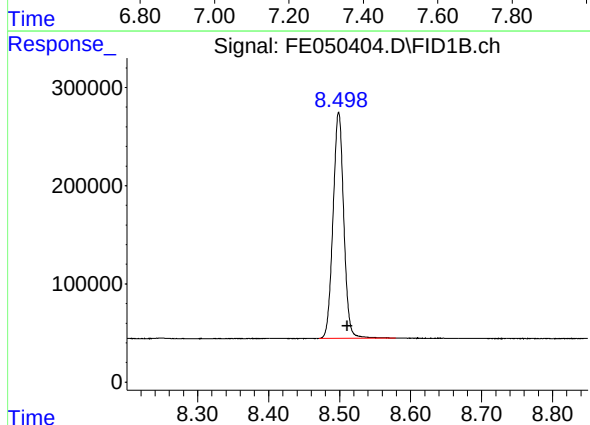
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.310 min  
Delta R.T.: -0.013 min  
Response: 2279769  
Conc: 17.34 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

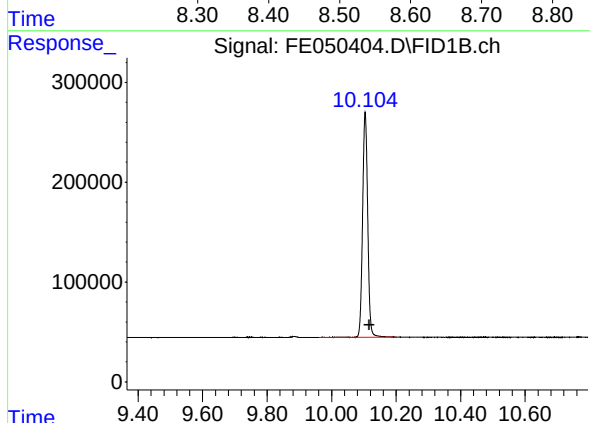
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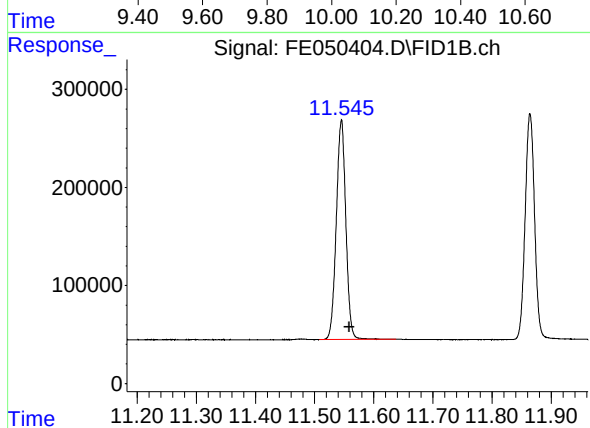
#6 n-Tetradecane (C14)

R.T.: 8.499 min  
Delta R.T.: -0.012 min  
Response: 2415671  
Conc: 17.74 ug/ml



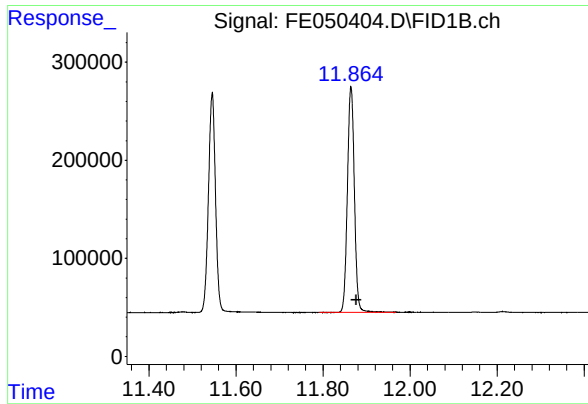
#7 n-Hexadecane (C16)

R.T.: 10.104 min  
Delta R.T.: -0.013 min  
Response: 2495221  
Conc: 17.96 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.545 min  
Delta R.T.: -0.013 min  
Response: 2517322  
Conc: 17.97 ug/ml



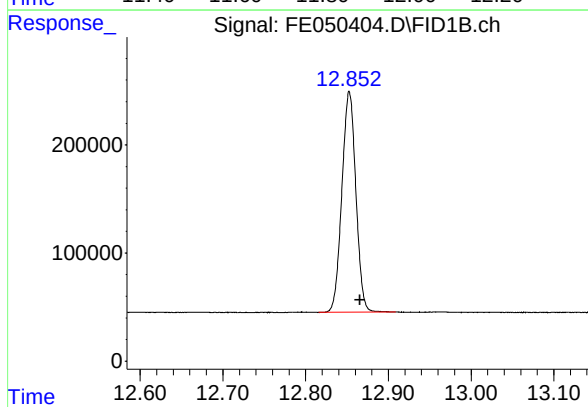
#9 ortho-Terphenyl (SURR)

R.T.: 11.864 min  
Delta R.T.: -0.012 min  
Response: 2563973  
Conc: 17.23 ug/ml

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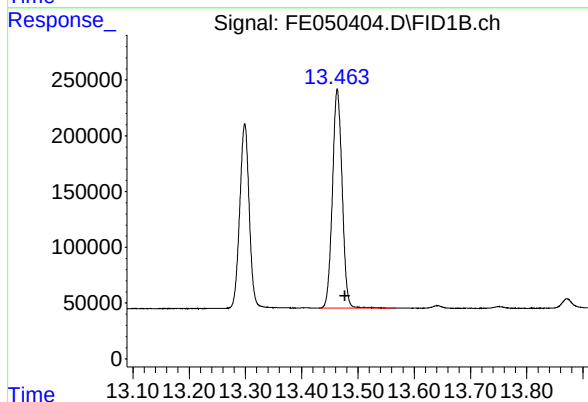
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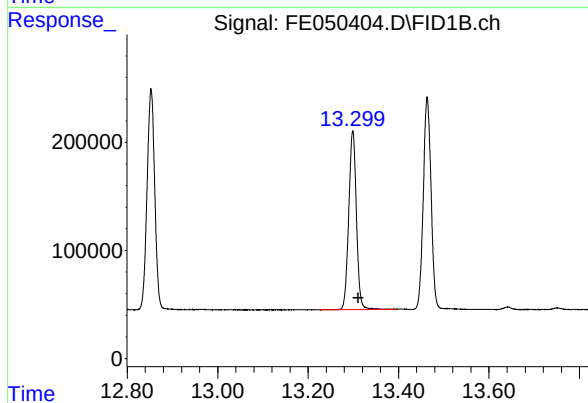
#10 n-Eicosane (C20)

R.T.: 12.852 min  
Delta R.T.: -0.014 min  
Response: 2400957  
Conc: 17.90 ug/ml



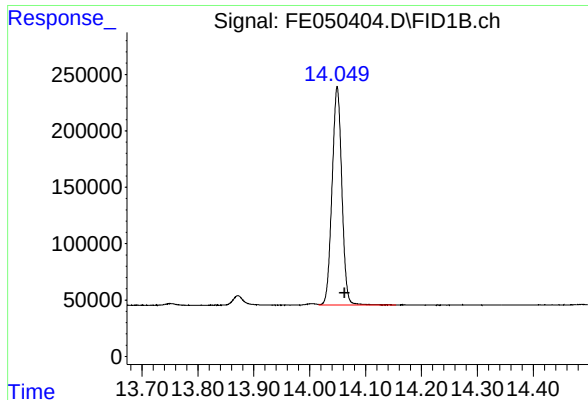
#11 n-Heneicosane (C21)

R.T.: 13.463 min  
Delta R.T.: -0.014 min  
Response: 2356789  
Conc: 17.94 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.299 min  
Delta R.T.: -0.013 min  
Response: 1945587  
Conc: 17.32 ug/ml



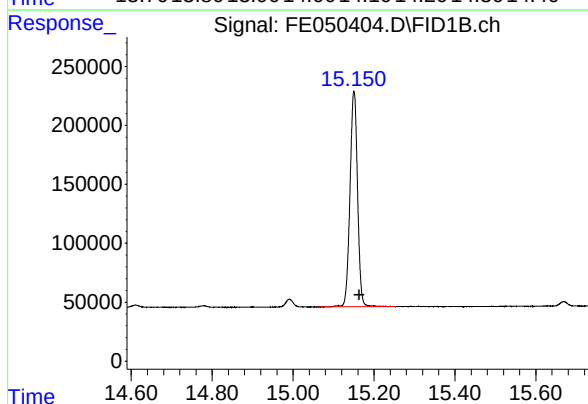
#13 n-Docosane (C22)

R.T.: 14.049 min  
Delta R.T.: -0.014 min  
Response: 2351710  
Conc: 18.06 ug/ml

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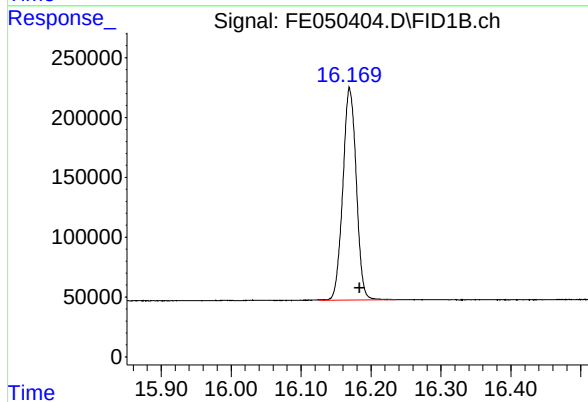
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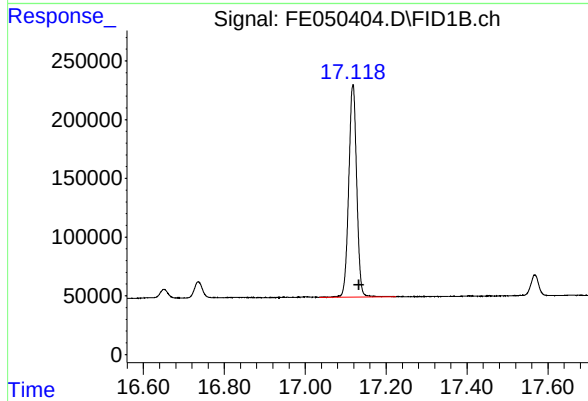
#14 n-Tetracosane (C24)

R.T.: 15.151 min  
Delta R.T.: -0.014 min  
Response: 2376900  
Conc: 18.20 ug/ml



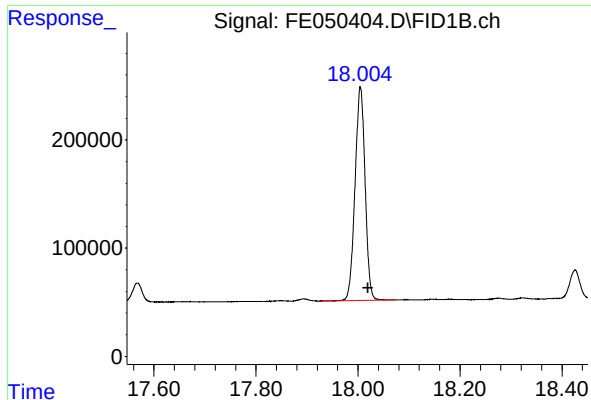
#15 n-Hexacosane (C26)

R.T.: 16.169 min  
Delta R.T.: -0.015 min  
Response: 2366454  
Conc: 18.50 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.118 min  
Delta R.T.: -0.015 min  
Response: 2469482  
Conc: 19.17 ug/ml



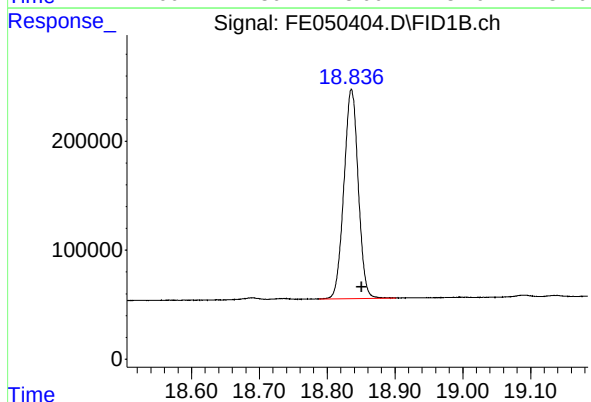
#17 n-Tricontane (C30)

R.T.: 18.005 min  
Delta R.T.: -0.015 min  
Response: 2700499  
Conc: 20.20 ug/ml

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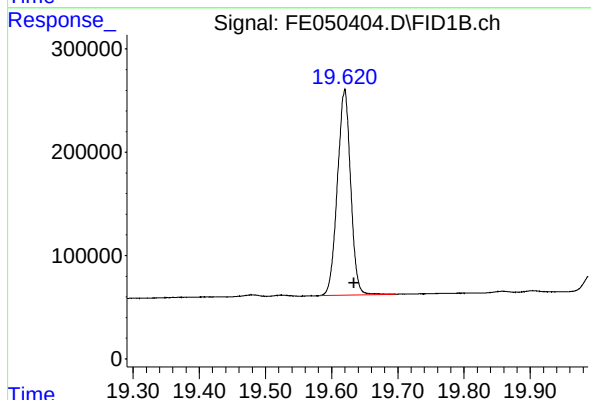
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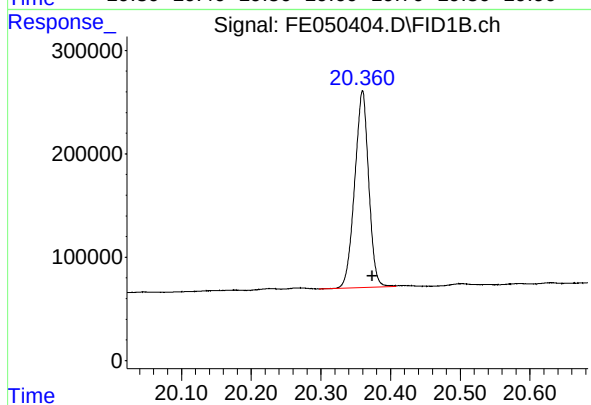
#18 n-Dotriacontane (C32)

R.T.: 18.836 min  
Delta R.T.: -0.015 min  
Response: 2822963  
Conc: 21.18 ug/ml m



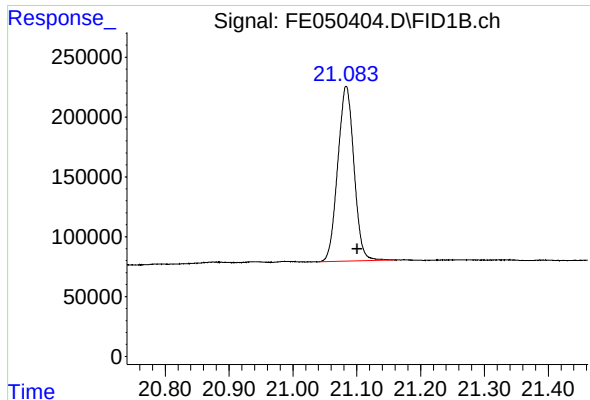
#19 n-Tetratriacontane (C34)

R.T.: 19.620 min  
Delta R.T.: -0.014 min  
Response: 2779374  
Conc: 22.49 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.360 min  
Delta R.T.: -0.014 min  
Response: 2650742  
Conc: 23.89 ug/ml



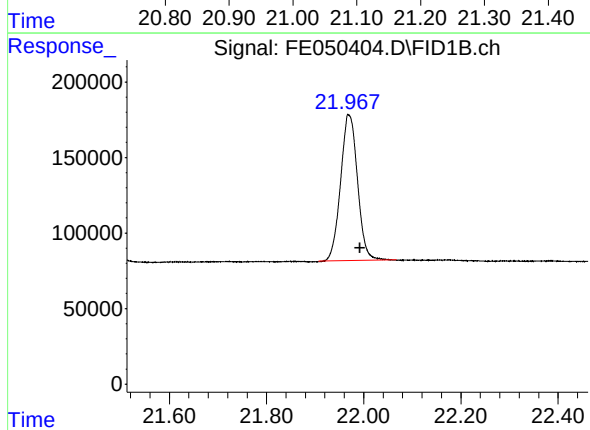
#21 n-Octatriacontane (C38)

R.T.: 21.083 min  
Delta R.T.: -0.018 min  
Response: 2571390  
Conc: 23.32 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.967 min  
Delta R.T.: -0.025 min  
Response: 2331473  
Conc: 21.43 ug/ml m