

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE110524AL\  
 Data File : FE051023.D  
 Signal(s) : FID1B.ch  
 Acq On : 05 Nov 2024 10:07  
 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 11/06/2024  
 Supervised By :Ankita Jodhani 11/06/2024

Integration File: autoint1.e  
 Quant Time: Nov 05 12:10:16 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 100824.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Oct 07 16:32:18 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)    | 11.852 | 2697442    | 17.110 ug/mlm |
| Spiked Amount 50.000           |        | Recovery = | 34.22%        |
| 12) S 1-chlorooctadecane (S... | 13.285 | 2033656    | 17.192 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 34.38%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.240  | 2535374    | 17.944 ug/ml  |
| 2) T n-Decane (C10)            | 4.491  | 2557731    | 17.827 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.205  | 2423816    | 16.951 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.660  | 2572413    | 17.872 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.300  | 2232685    | 16.853 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.485  | 2520337    | 17.616 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.091 | 2562432    | 17.411 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.532 | 2577950    | 17.259 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.839 | 2461266    | 17.164 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.449 | 2407132    | 17.141 ug/ml  |
| 13) T n-Docosane (C22)         | 14.034 | 2386011    | 17.007 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.136 | 2378062    | 16.833 ug/mlm |
| 15) T n-Hexacosane (C26)       | 16.157 | 2377700    | 16.897 ug/mlm |
| 16) T n-Octacosane (C28)       | 17.105 | 2375801    | 16.236 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.991 | 2459221    | 15.467 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.822 | 2481058    | 15.304 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.606 | 2257677    | 15.370 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.344 | 2183769    | 17.220 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 21.067 | 1916243    | 15.498 ug/ml  |
| 22) T n-Tetracontane (C40)     | 21.948 | 1763550    | 15.838 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Acq On : 05 Nov 2024 10:07  
Operator : YP\AJ  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

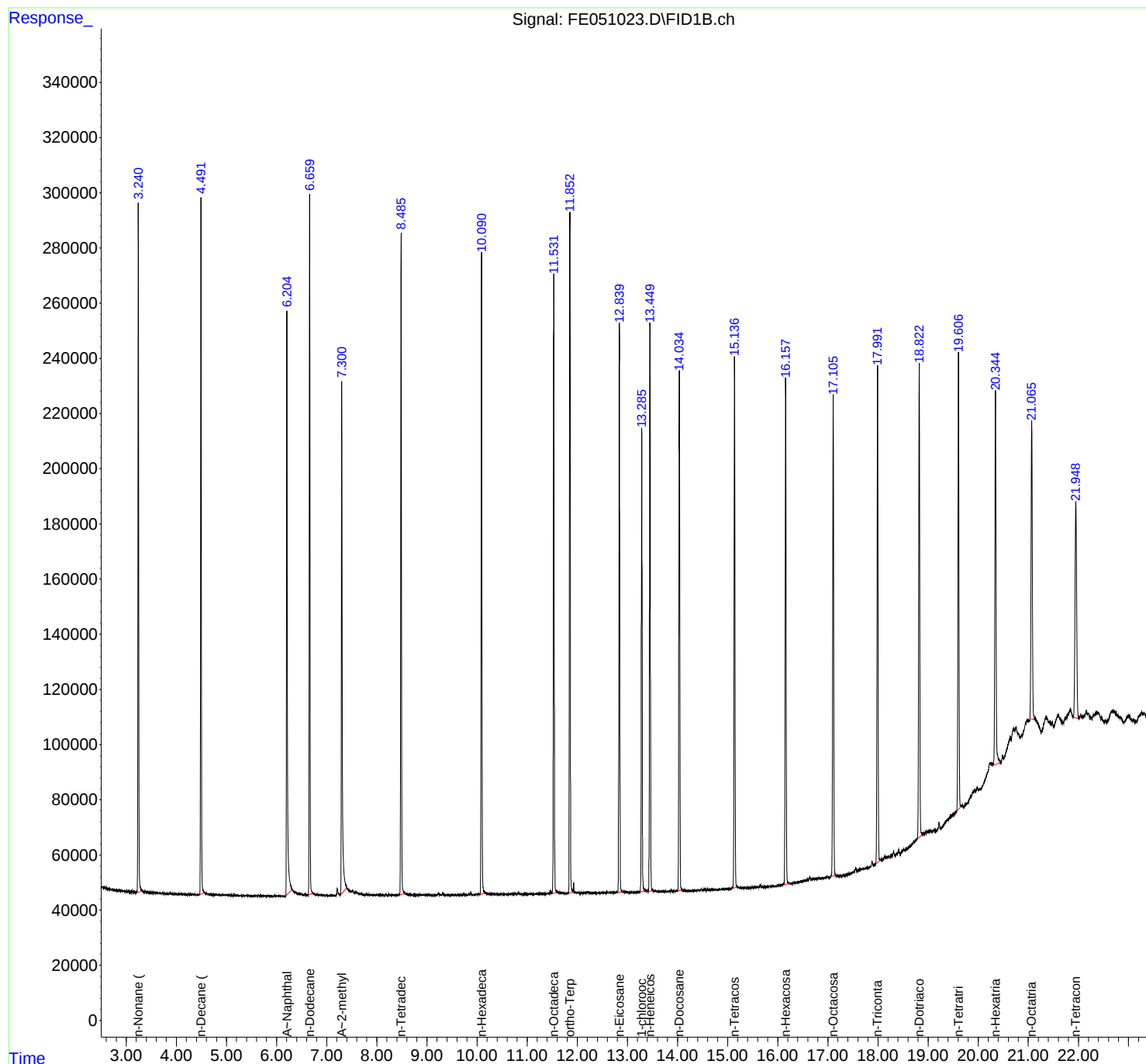
Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

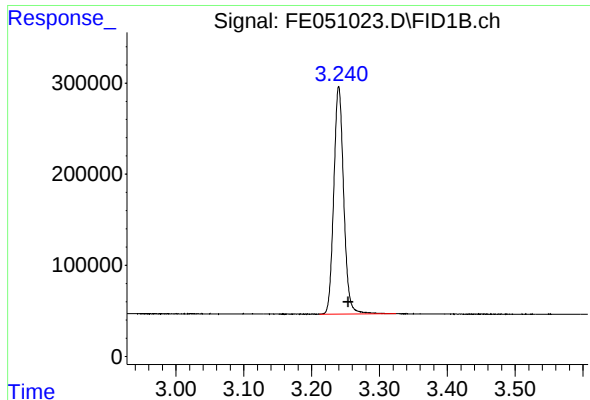
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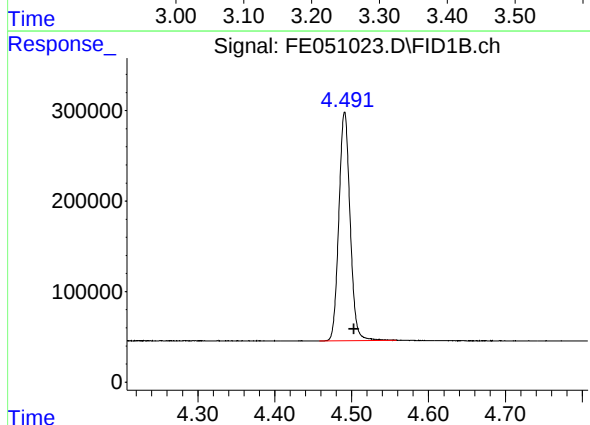
#1 n-Nonane (C9)

R.T.: 3.240 min  
Delta R.T.: -0.014 min  
Response: 2535374  
Conc: 17.94 ug/ml

Instrument :  
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ClientSampleId :  
20 PPM ALIPHATIC HC STD

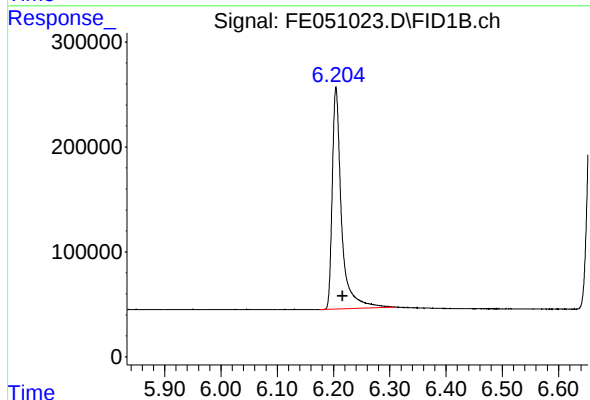
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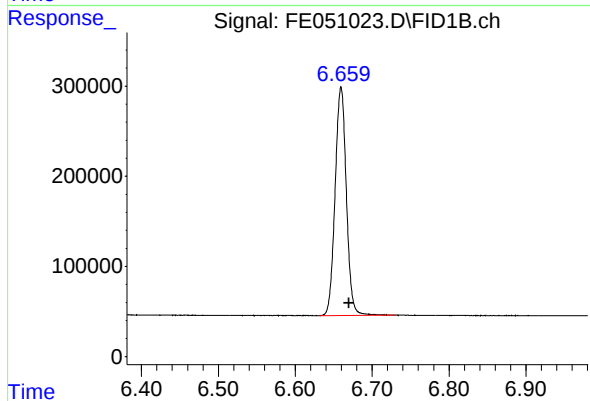
#2 n-Decane (C10)

R.T.: 4.491 min  
Delta R.T.: -0.012 min  
Response: 2557731  
Conc: 17.83 ug/ml



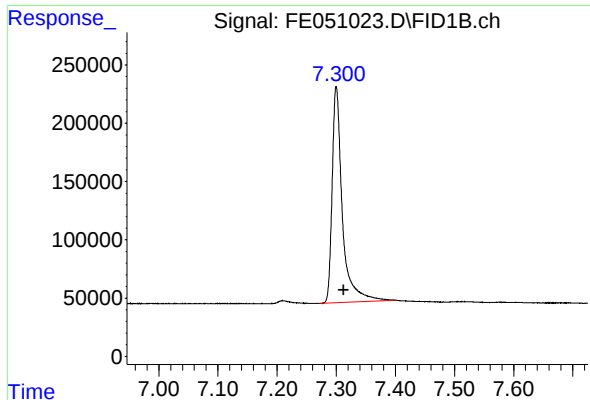
#3 A~Naphthalene (C11.7)

R.T.: 6.205 min  
Delta R.T.: -0.012 min  
Response: 2423816  
Conc: 16.95 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.660 min  
Delta R.T.: -0.010 min  
Response: 2572413  
Conc: 17.87 ug/ml



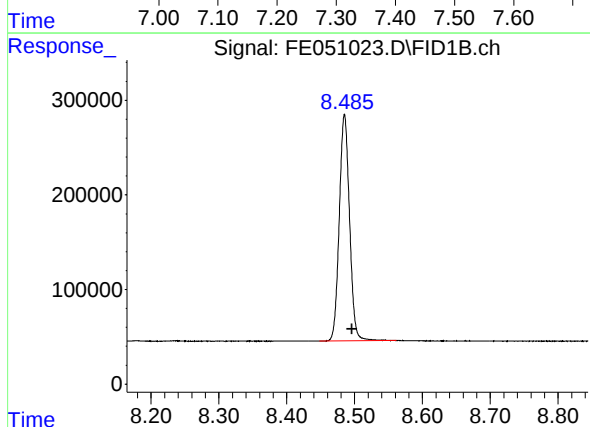
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.300 min  
Delta R.T.: -0.012 min  
Response: 2232685  
Conc: 16.85 ug/ml

Instrument :  
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ClientSampleId :  
20 PPM ALIPHATIC HC STD

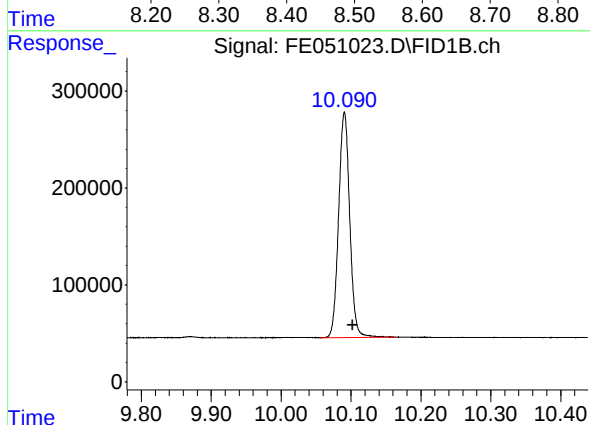
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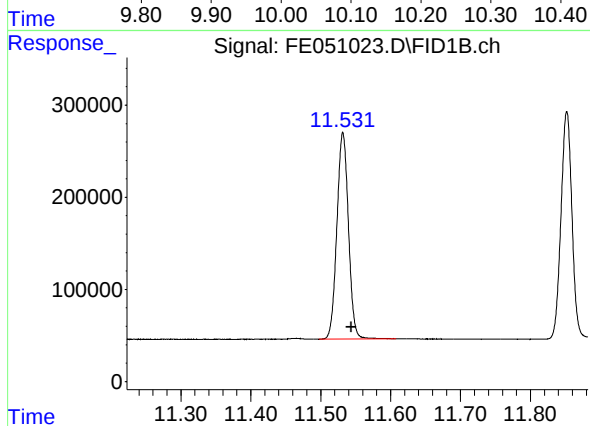
#6 n-Tetradecane (C14)

R.T.: 8.485 min  
Delta R.T.: -0.011 min  
Response: 2520337  
Conc: 17.62 ug/ml



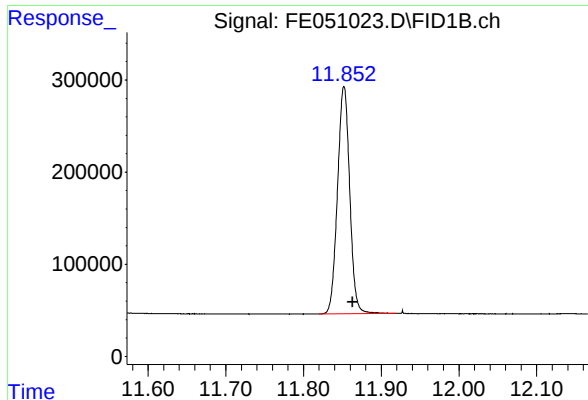
#7 n-Hexadecane (C16)

R.T.: 10.091 min  
Delta R.T.: -0.012 min  
Response: 2562432  
Conc: 17.41 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.532 min  
Delta R.T.: -0.012 min  
Response: 2577950  
Conc: 17.26 ug/ml



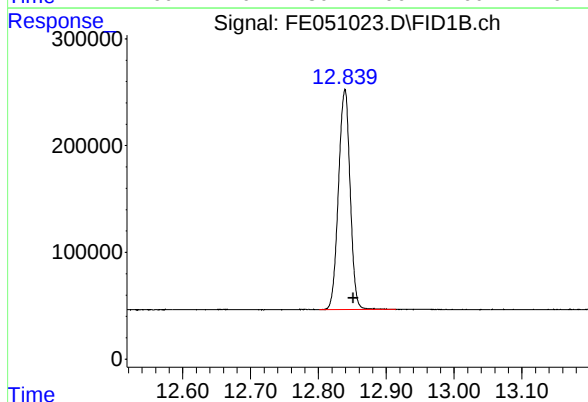
#9 ortho-Terphenyl (SURR)

R.T.: 11.852 min  
Delta R.T.: -0.011 min  
Response: 2697442  
Conc: 17.11 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

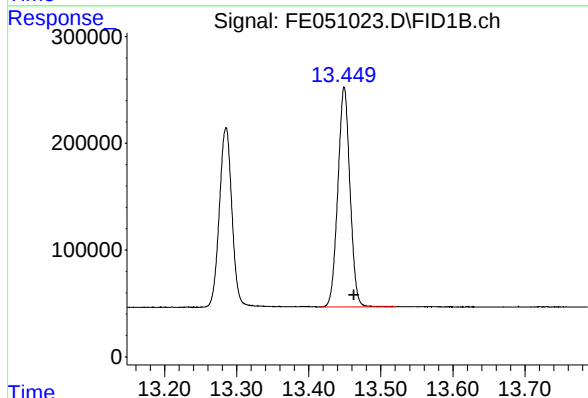
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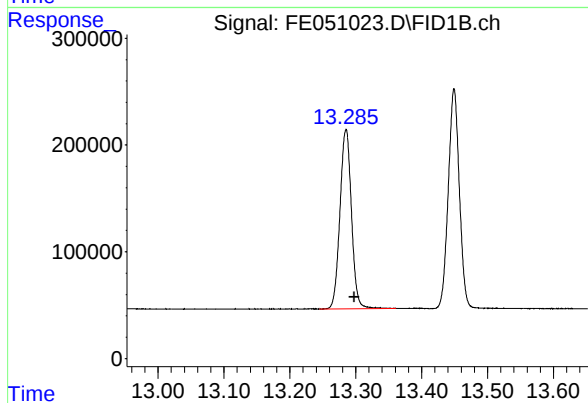
#10 n-Eicosane (C20)

R.T.: 12.839 min  
Delta R.T.: -0.013 min  
Response: 2461266  
Conc: 17.16 ug/ml



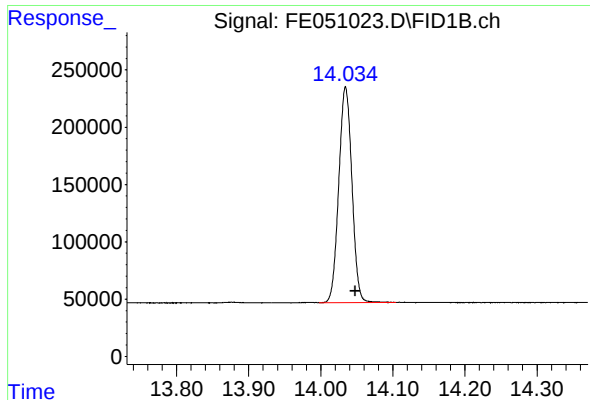
#11 n-Heneicosane (C21)

R.T.: 13.449 min  
Delta R.T.: -0.013 min  
Response: 2407132  
Conc: 17.14 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.285 min  
Delta R.T.: -0.013 min  
Response: 2033656  
Conc: 17.19 ug/ml



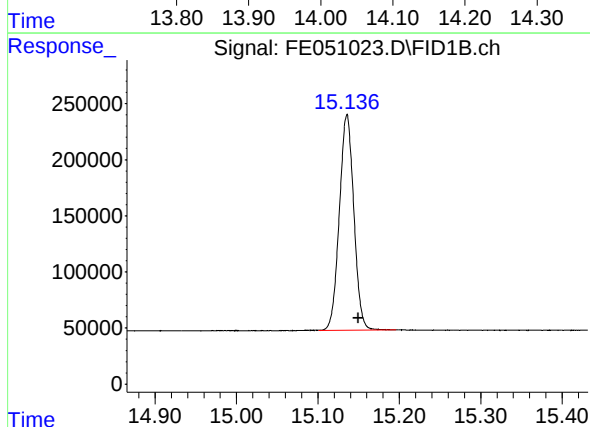
#13 n-Docosane (C22)

R.T.: 14.034 min  
Delta R.T.: -0.013 min  
Response: 2386011  
Conc: 17.01 ug/ml

Instrument :  
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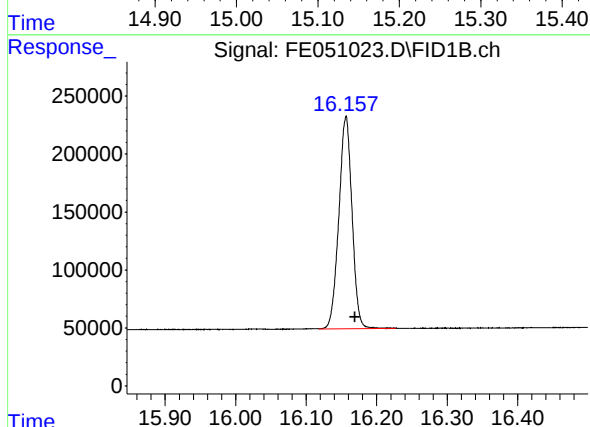
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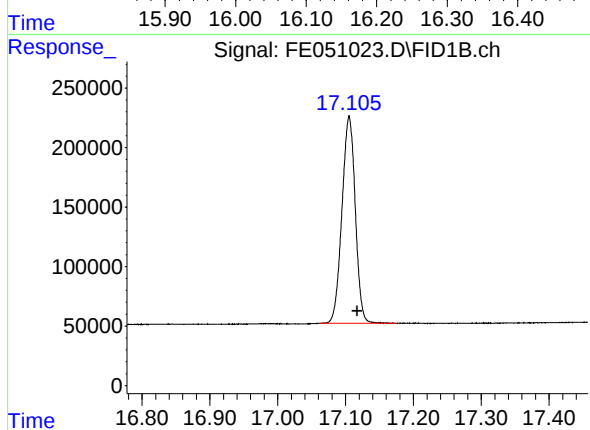
#14 n-Tetracosane (C24)

R.T.: 15.136 min  
Delta R.T.: -0.014 min  
Response: 2378062  
Conc: 16.83 ug/ml m



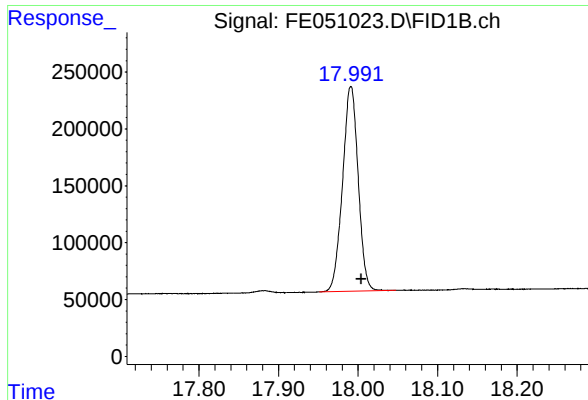
#15 n-Hexacosane (C26)

R.T.: 16.157 min  
Delta R.T.: -0.013 min  
Response: 2377700  
Conc: 16.90 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.105 min  
Delta R.T.: -0.012 min  
Response: 2375801  
Conc: 16.24 ug/ml



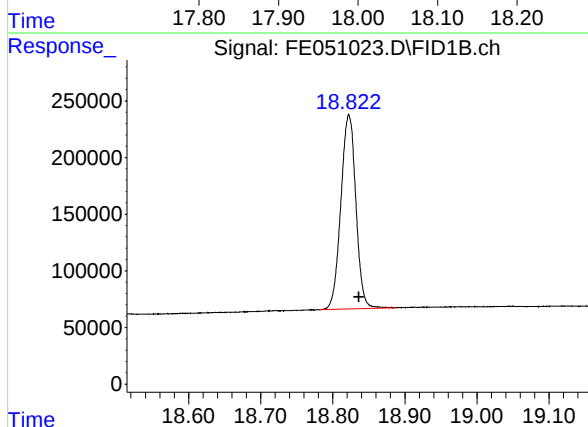
#17 n-Tricontane (C30)

R.T.: 17.991 min  
Delta R.T.: -0.013 min  
Response: 2459221  
Conc: 15.47 ug/ml

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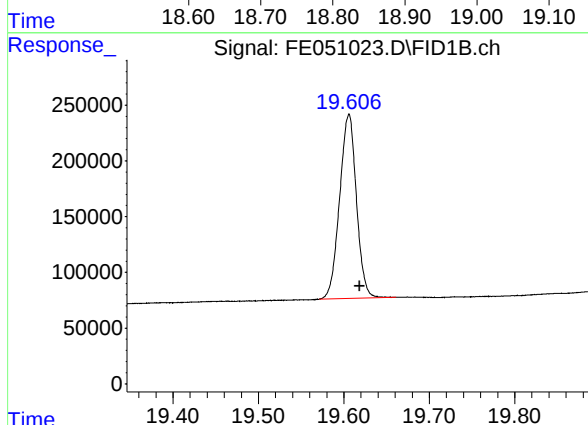
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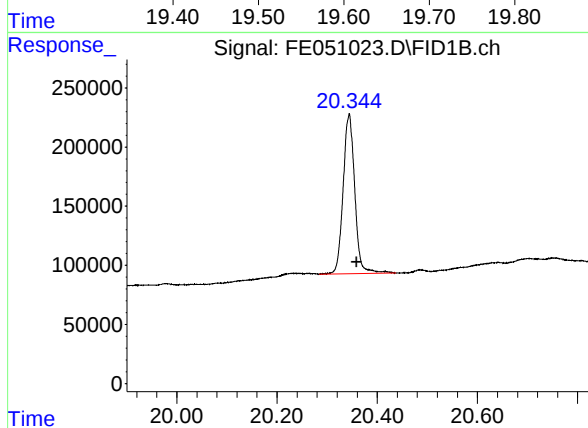
#18 n-Dotriacontane (C32)

R.T.: 18.822 min  
Delta R.T.: -0.014 min  
Response: 2481058  
Conc: 15.30 ug/ml



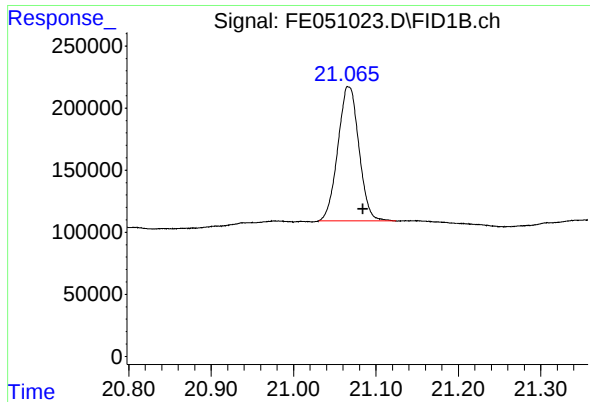
#19 n-Tetratriacontane (C34)

R.T.: 19.606 min  
Delta R.T.: -0.013 min  
Response: 2257677  
Conc: 15.37 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.344 min  
Delta R.T.: -0.014 min  
Response: 2183769  
Conc: 17.22 ug/ml m



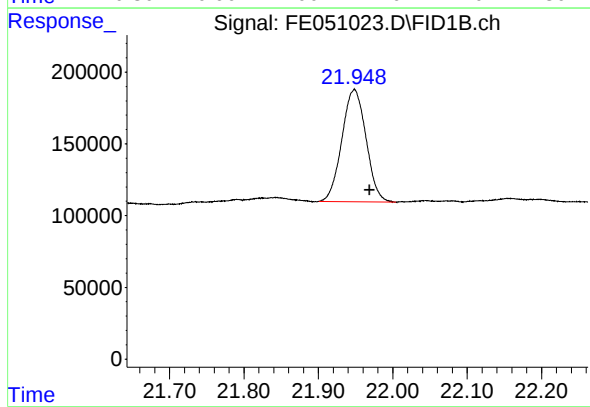
#21 n-Octatriacontane (C38)

R.T.: 21.067 min  
Delta R.T.: -0.017 min  
Response: 1916243  
Conc: 15.50 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.948 min  
Delta R.T.: -0.021 min  
Response: 1763550  
Conc: 15.84 ug/ml