

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE100724AL\  
 Data File : FE050532.D  
 Signal(s) : FID1B.ch  
 Acq On : 07 Oct 2024 12:35  
 Operator : YP\AJ  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/08/2024  
 Supervised By :Ankita Jodhani 10/08/2024

Integration File: autoint1.e  
 Quant Time: Oct 08 04:16:35 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)    | 11.866 | 3082749    | 20.720 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 41.44%        |
| 12) S 1-chlorooctadecane (S... | 13.300 | 2319048    | 20.645 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 41.29%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.254  | 2739834    | 20.213 ug/ml  |
| 2) T n-Decane (C10)            | 4.504  | 2811358    | 20.370 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.215  | 2860993    | 20.440 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.672  | 2826466    | 20.440 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.311  | 2661762    | 20.251 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.499  | 2793824    | 20.517 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.105 | 2878956    | 20.726 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.547 | 2906242    | 20.744 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.854 | 2785095    | 20.762 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.466 | 2737967    | 20.837 ug/ml  |
| 13) T n-Docosane (C22)         | 14.051 | 2711747    | 20.825 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.153 | 2700868    | 20.682 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.173 | 2667265    | 20.848 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.121 | 2746451    | 21.322 ug/mlm |
| 17) T n-Tricontane (C30)       | 18.009 | 2891969    | 21.627 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.841 | 2947642    | 22.120 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.623 | 2727617    | 22.075 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.363 | 2385883    | 21.504 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 21.088 | 2366408    | 21.458 ug/ml  |
| 22) T n-Tetracontane (C40)     | 21.978 | 2243341    | 20.616 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

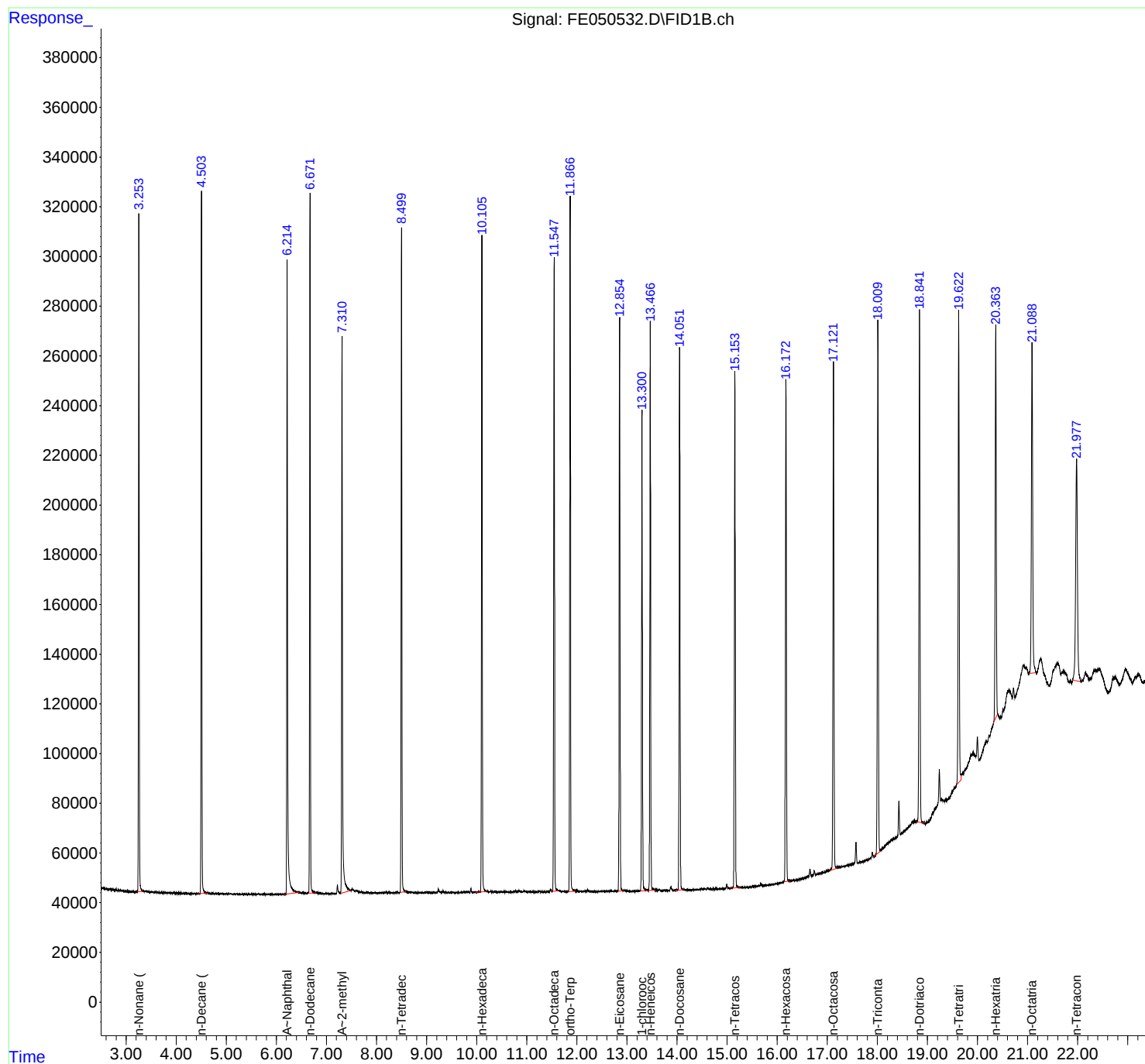
Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

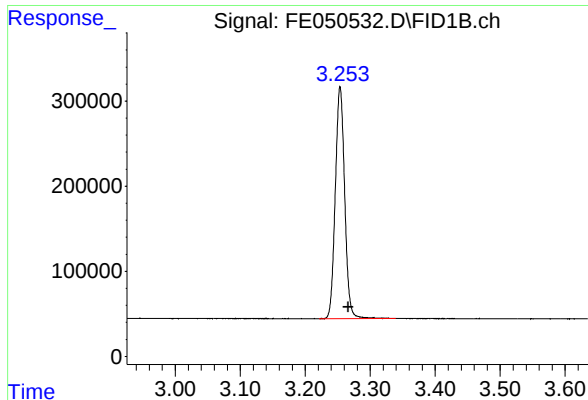
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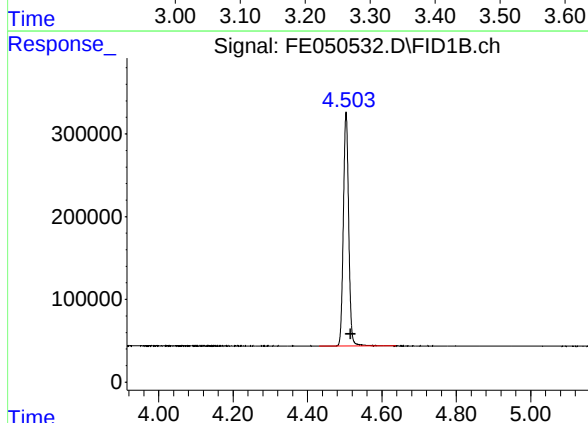
#1 n-Nonane (C9)

R.T.: 3.254 min  
Delta R.T.: -0.012 min  
Response: 2739834  
Conc: 20.21 ug/ml

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

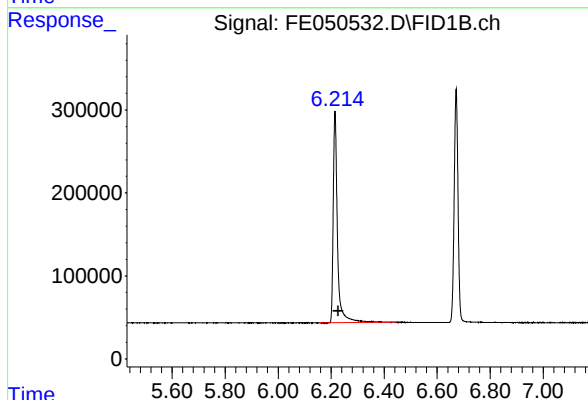
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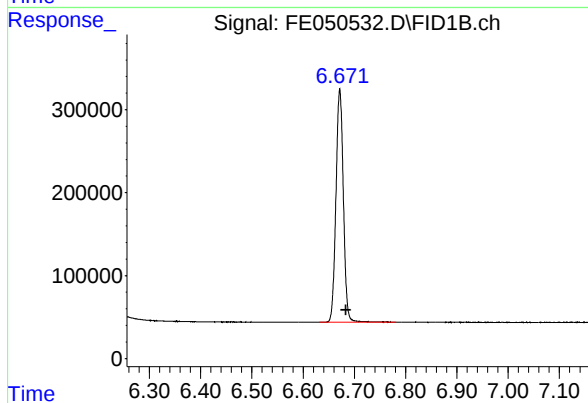
#2 n-Decane (C10)

R.T.: 4.504 min  
Delta R.T.: -0.013 min  
Response: 2811358  
Conc: 20.37 ug/ml



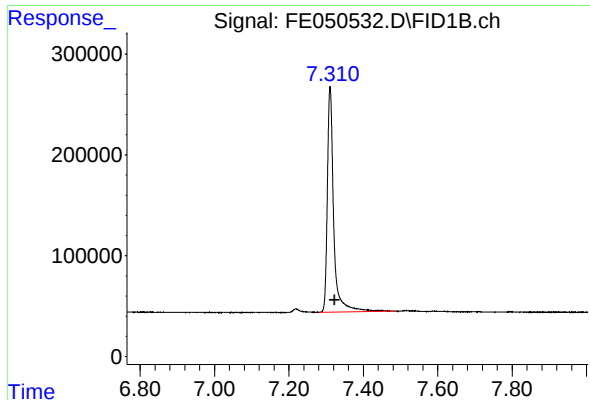
#3 A~Naphthalene (C11.7)

R.T.: 6.215 min  
Delta R.T.: -0.012 min  
Response: 2860993  
Conc: 20.44 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.672 min  
Delta R.T.: -0.012 min  
Response: 2826466  
Conc: 20.44 ug/ml



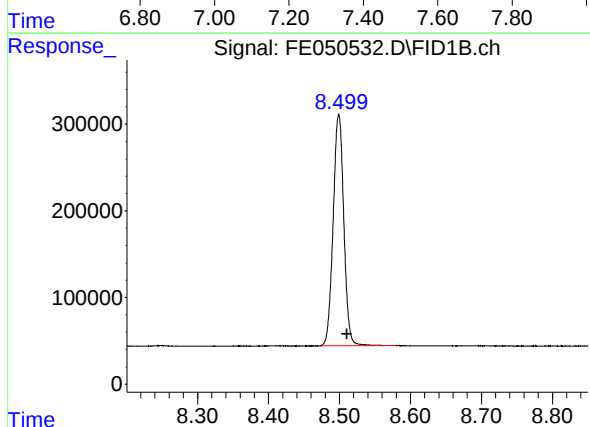
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.311 min  
Delta R.T.: -0.012 min  
Response: 2661762  
Conc: 20.25 ug/ml

Instrument :  
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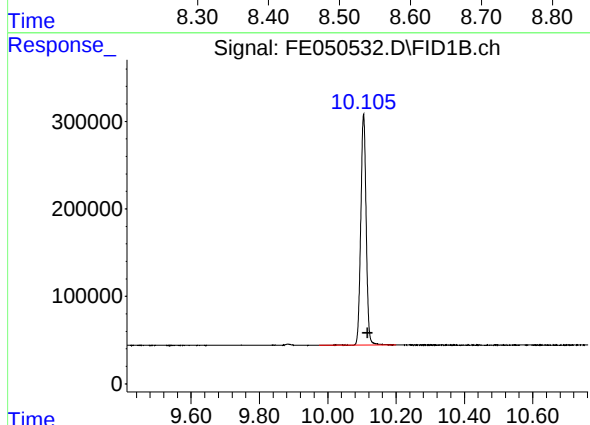
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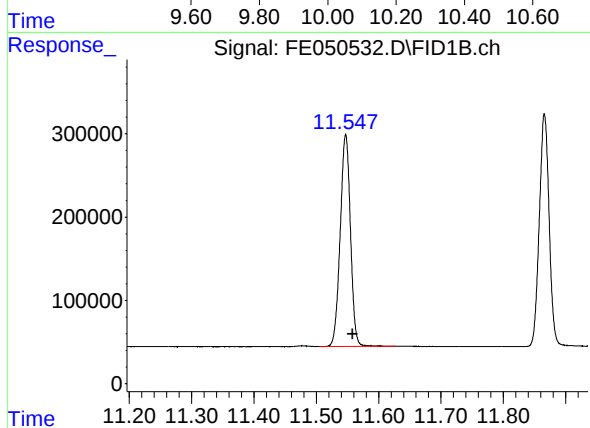
#6 n-Tetradecane (C14)

R.T.: 8.499 min  
Delta R.T.: -0.012 min  
Response: 2793824  
Conc: 20.52 ug/ml



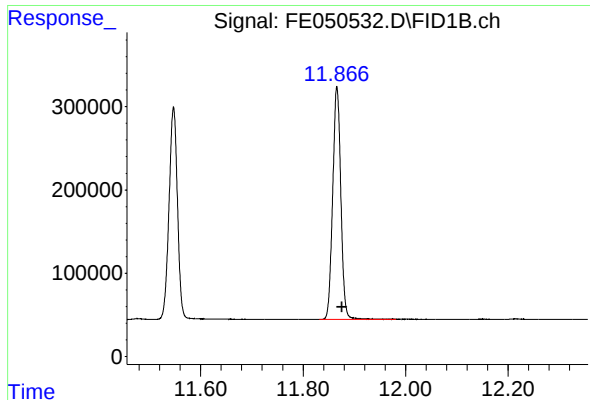
#7 n-Hexadecane (C16)

R.T.: 10.105 min  
Delta R.T.: -0.012 min  
Response: 2878956  
Conc: 20.73 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.547 min  
Delta R.T.: -0.011 min  
Response: 2906242  
Conc: 20.74 ug/ml



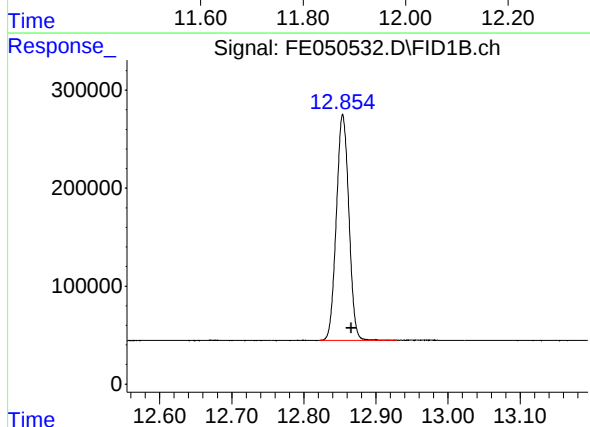
#9 ortho-Terphenyl (SURR)

R.T.: 11.866 min  
Delta R.T.: -0.010 min  
Response: 3082749  
Conc: 20.72 ug/ml

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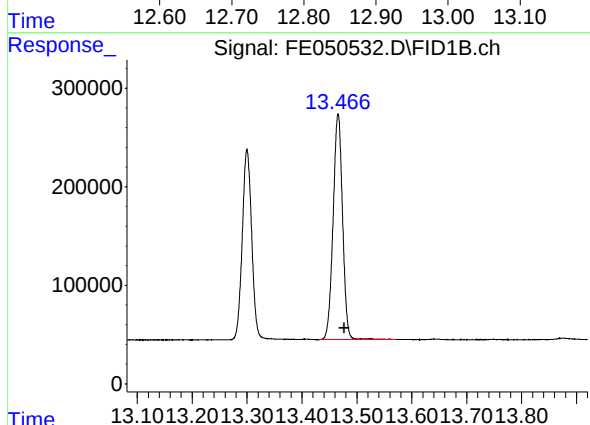
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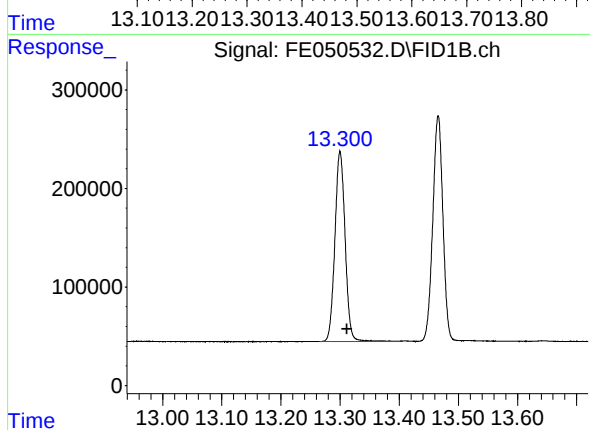
#10 n-Eicosane (C20)

R.T.: 12.854 min  
Delta R.T.: -0.012 min  
Response: 2785095  
Conc: 20.76 ug/ml



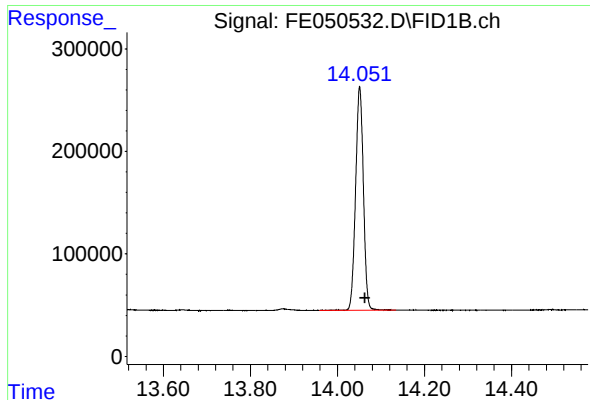
#11 n-Heneicosane (C21)

R.T.: 13.466 min  
Delta R.T.: -0.011 min  
Response: 2737967  
Conc: 20.84 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.300 min  
Delta R.T.: -0.011 min  
Response: 2319048  
Conc: 20.65 ug/ml



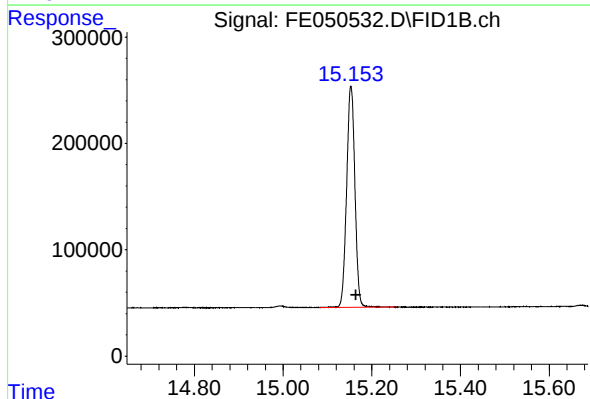
#13 n-Docosane (C22)

R.T.: 14.051 min  
Delta R.T.: -0.012 min  
Response: 2711747  
Conc: 20.82 ug/ml

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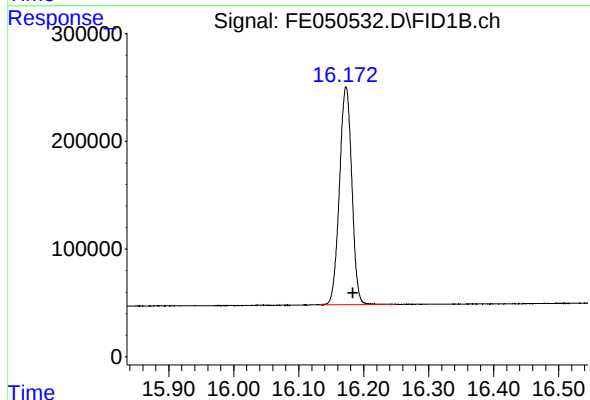
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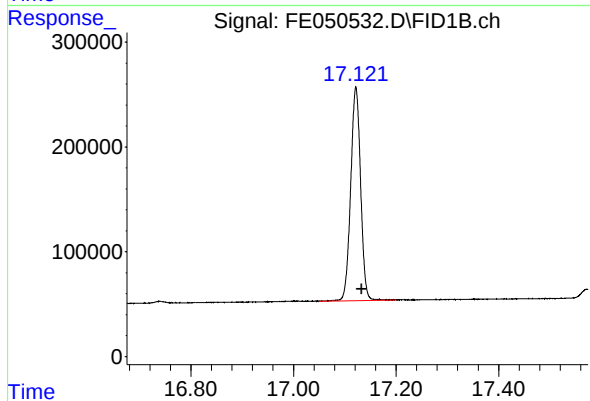
#14 n-Tetracosane (C24)

R.T.: 15.153 min  
Delta R.T.: -0.011 min  
Response: 2700868  
Conc: 20.68 ug/ml



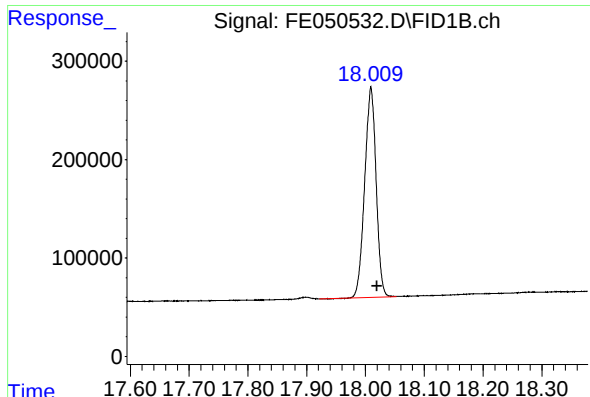
#15 n-Hexacosane (C26)

R.T.: 16.173 min  
Delta R.T.: -0.011 min  
Response: 2667265  
Conc: 20.85 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.121 min  
Delta R.T.: -0.012 min  
Response: 2746451  
Conc: 21.32 ug/ml m



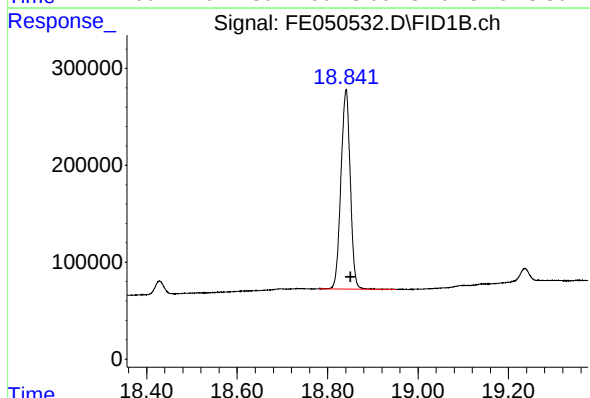
#17 n-Tricontane (C30)

R.T.: 18.009 min  
Delta R.T.: -0.011 min  
Response: 2891969  
Conc: 21.63 ug/ml

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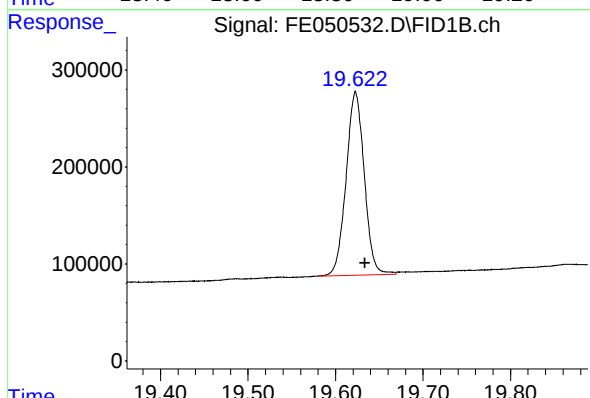
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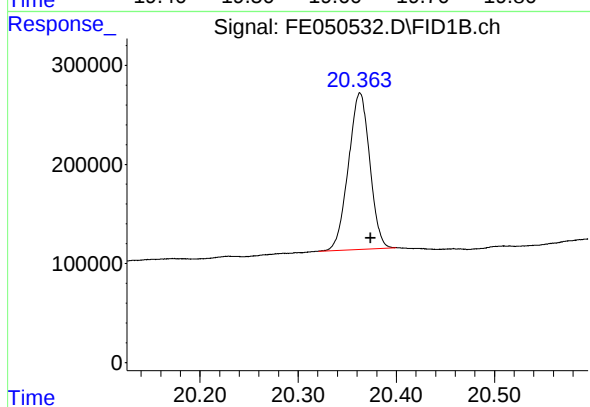
#18 n-Dotriacontane (C32)

R.T.: 18.841 min  
Delta R.T.: -0.010 min  
Response: 2947642  
Conc: 22.12 ug/ml



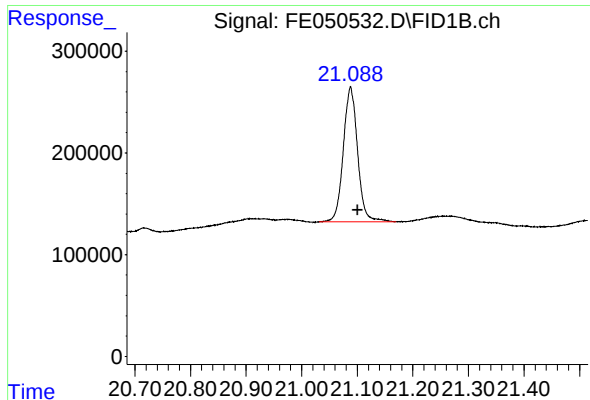
#19 n-Tetratriacontane (C34)

R.T.: 19.623 min  
Delta R.T.: -0.011 min  
Response: 2727617  
Conc: 22.08 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.363 min  
Delta R.T.: -0.011 min  
Response: 2385883  
Conc: 21.50 ug/ml



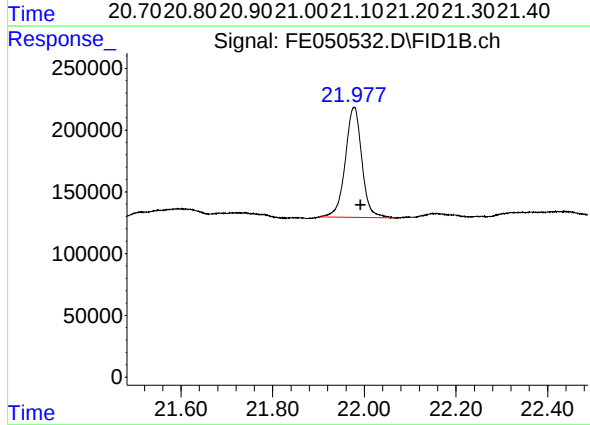
#21 n-Octatriacontane (C38)

R.T.: 21.088 min  
Delta R.T.: -0.013 min  
Response: 2366408  
Conc: 21.46 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.978 min  
Delta R.T.: -0.015 min  
Response: 2243341  
Conc: 20.62 ug/ml