

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE052025AL\  
 Data File : FE053910.D  
 Signal(s) : FID1B.ch  
 Acq On : 20 May 2025 06:47  
 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 05/21/2025  
 Supervised By :mohammad ahmed 05/22/2025

Integration File: autoint1.e  
 Quant Time: May 21 00:35:32 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 051425.M  
 Quant Title : GC Extractables  
 QLast Update : Wed May 14 12:15:41 2025  
 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)    | 11.848 | 3205338    | 19.724 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 39.45%        |
| 12) S 1-chlorooctadecane (S... | 13.294 | 2344373    | 19.775 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 39.55%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.198  | 2618140    | 19.372 ug/ml  |
| 2) T n-Decane (C10)            | 4.459  | 2645127    | 19.575 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.172  | 2842120    | 19.776 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.639  | 2680940    | 19.654 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.274  | 2740319    | 19.756 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.475  | 2666092    | 19.756 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.087 | 2678452    | 19.850 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.534 | 2665120    | 19.791 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.848 | 2598428    | 19.771 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.461 | 2569320    | 19.818 ug/ml  |
| 13) T n-Docosane (C22)         | 14.049 | 2538963    | 19.902 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.154 | 2486047    | 19.870 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.178 | 2433303    | 19.872 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.129 | 2405084    | 19.785 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.019 | 2451210    | 19.678 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.853 | 2458938    | 19.663 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.639 | 2319808    | 19.474 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.381 | 2288976    | 19.769 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 21.112 | 2126970    | 19.545 ug/ml  |
| 22) T n-Tetracontane (C40)     | 22.008 | 2003842    | 20.194 ug/mlm |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Acq On : 20 May 2025 06:47  
Operator : YP\AJ  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

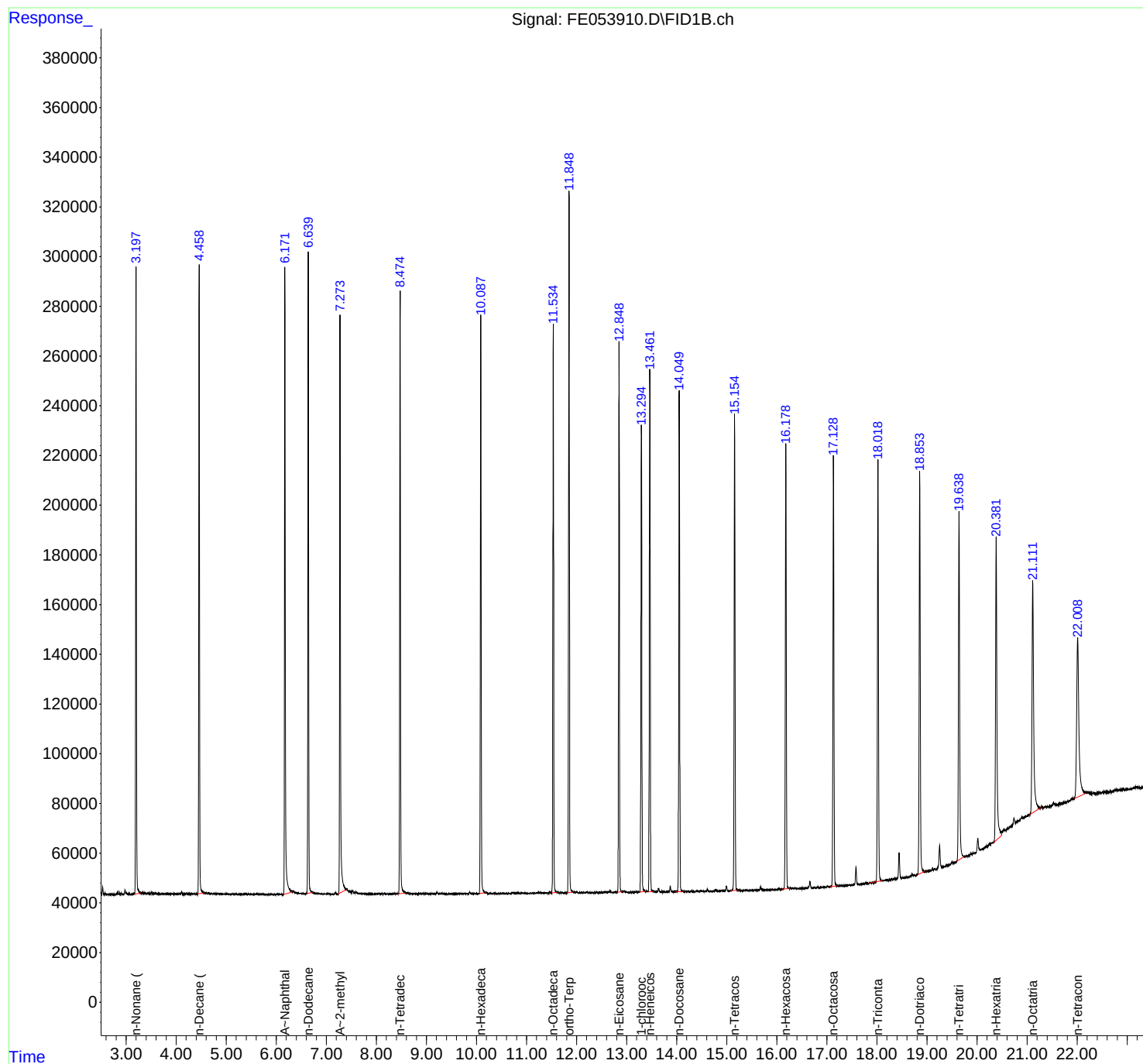
Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

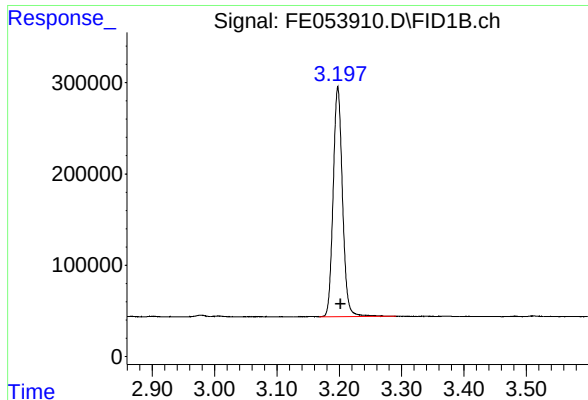
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Supervised By :mohammad ahmed 05/22/2025

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Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 051425.  
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Volume Inj. : 1 ul  
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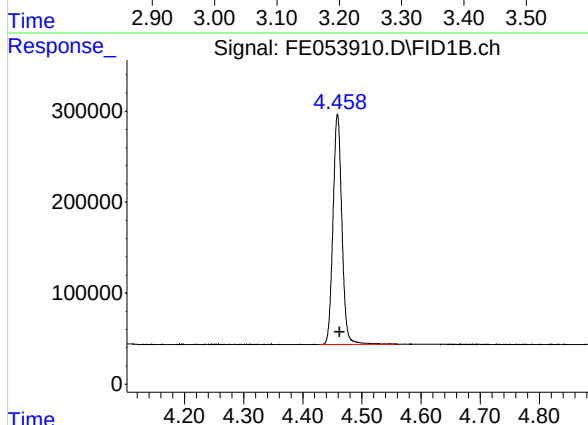
#1 n-Nonane (C9)

R.T.: 3.198 min  
Delta R.T.: -0.004 min  
Response: 2618140  
Conc: 19.37 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

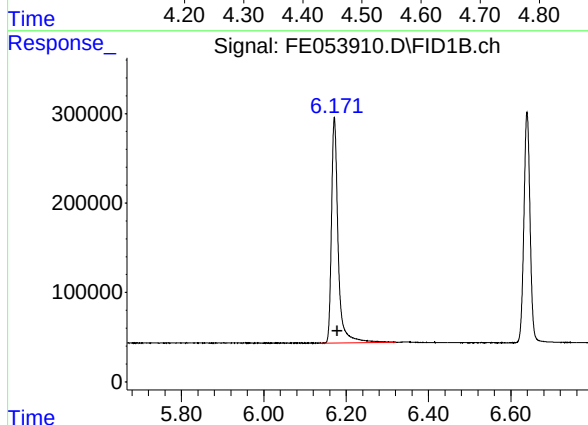
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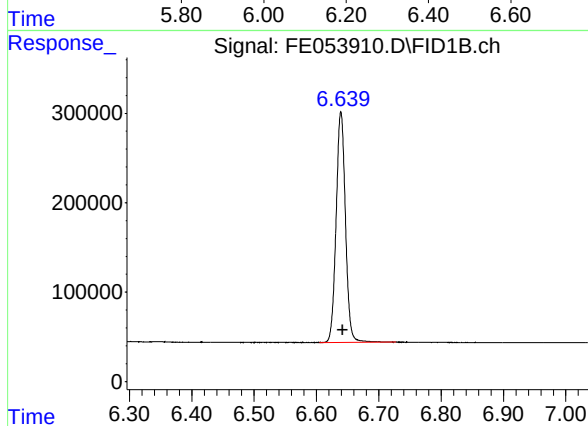
#2 n-Decane (C10)

R.T.: 4.459 min  
Delta R.T.: -0.004 min  
Response: 2645127  
Conc: 19.57 ug/ml



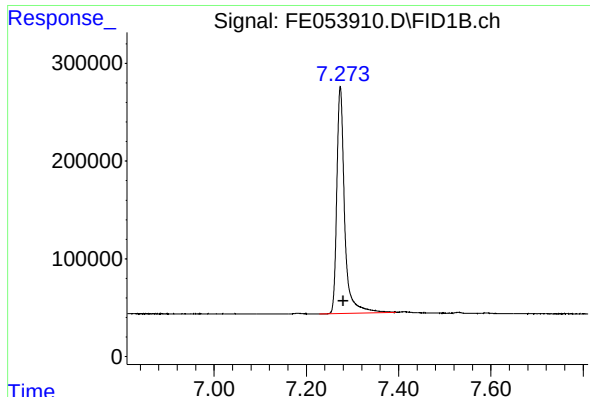
#3 A~Naphthalene (C11.7)

R.T.: 6.172 min  
Delta R.T.: -0.007 min  
Response: 2842120  
Conc: 19.78 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.639 min  
Delta R.T.: -0.003 min  
Response: 2680940  
Conc: 19.65 ug/ml



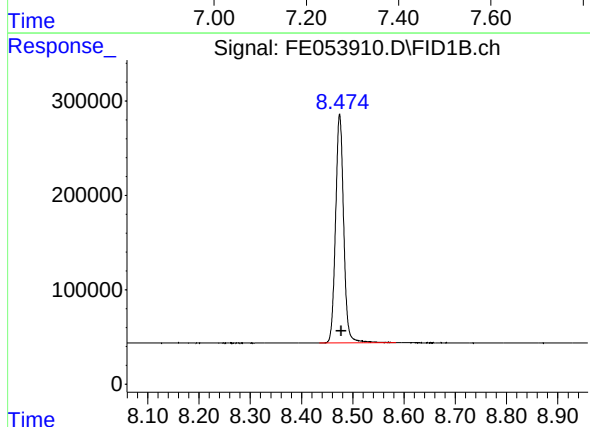
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.274 min  
Delta R.T.: -0.007 min  
Response: 2740319  
Conc: 19.76 ug/ml

Instrument :  
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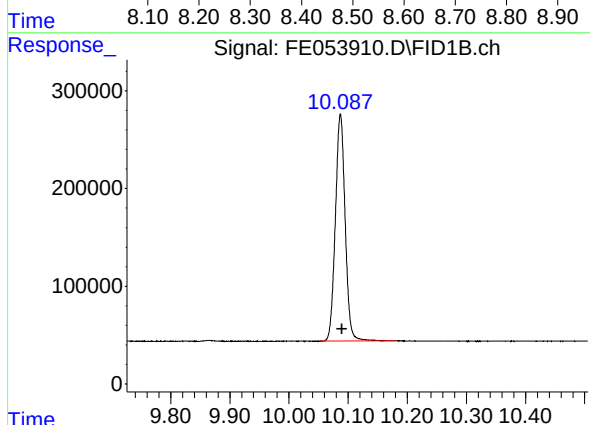
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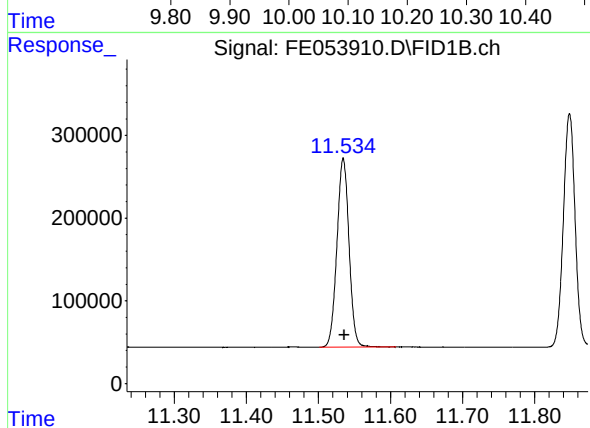
#6 n-Tetradecane (C14)

R.T.: 8.475 min  
Delta R.T.: -0.003 min  
Response: 2666092  
Conc: 19.76 ug/ml



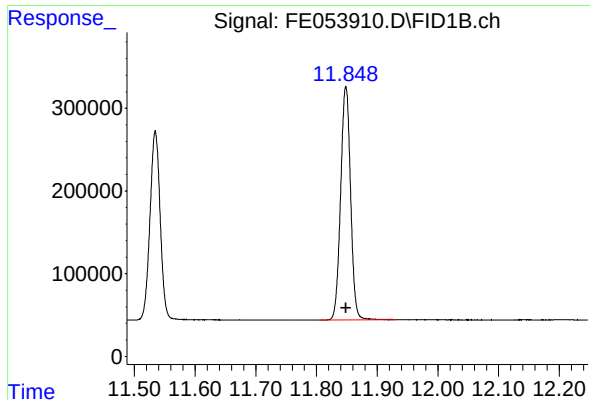
#7 n-Hexadecane (C16)

R.T.: 10.087 min  
Delta R.T.: -0.003 min  
Response: 2678452  
Conc: 19.85 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.534 min  
Delta R.T.: -0.001 min  
Response: 2665120  
Conc: 19.79 ug/ml



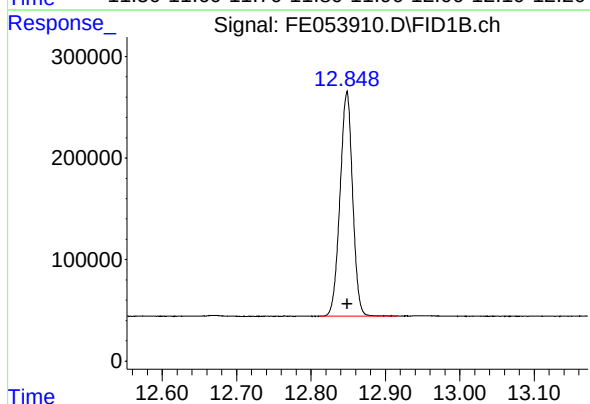
#9 ortho-Terphenyl (SURR)

R.T.: 11.848 min  
Delta R.T.: 0.000 min  
Response: 3205338  
Conc: 19.72 ug/ml

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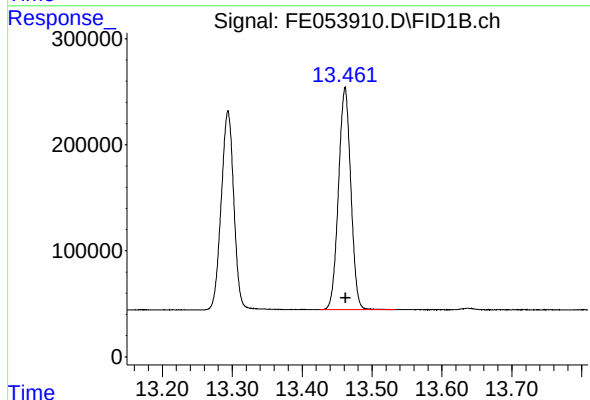
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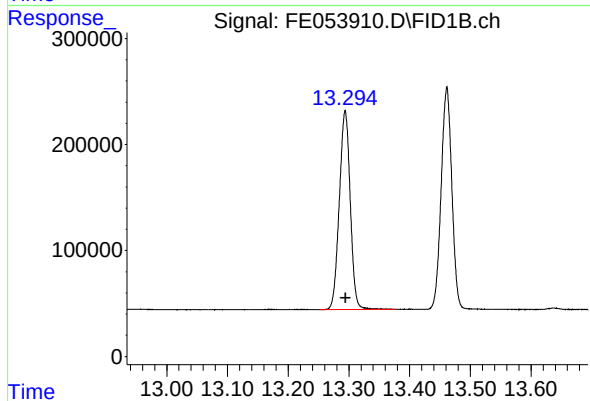
#10 n-Eicosane (C20)

R.T.: 12.848 min  
Delta R.T.: 0.000 min  
Response: 2598428  
Conc: 19.77 ug/ml



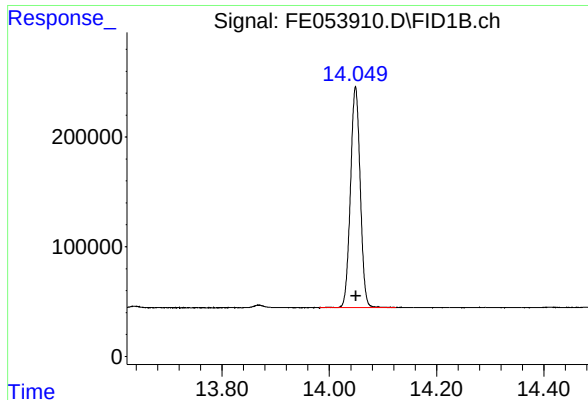
#11 n-Heneicosane (C21)

R.T.: 13.461 min  
Delta R.T.: -0.001 min  
Response: 2569320  
Conc: 19.82 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.294 min  
Delta R.T.: 0.000 min  
Response: 2344373  
Conc: 19.78 ug/ml



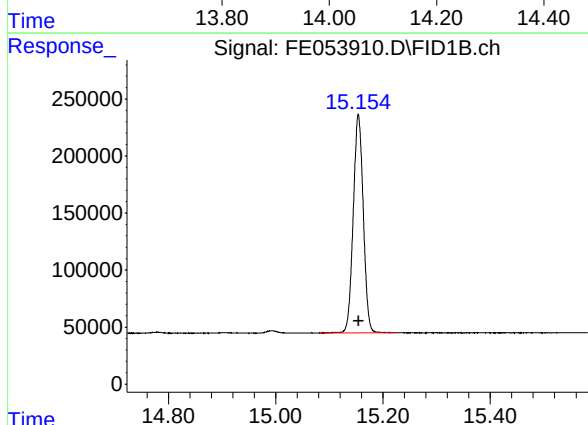
#13 n-Docosane (C22)

R.T.: 14.049 min  
Delta R.T.: 0.000 min  
Response: 2538963  
Conc: 19.90 ug/ml

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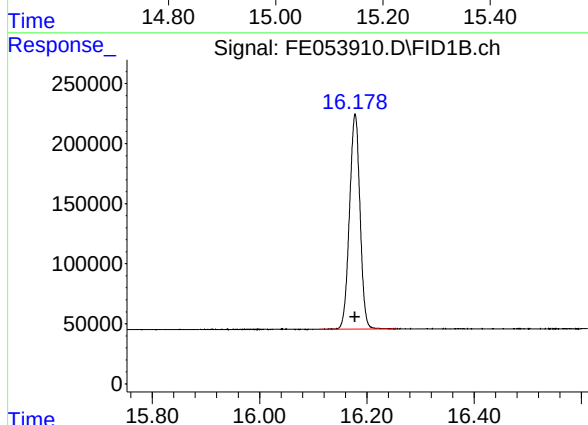
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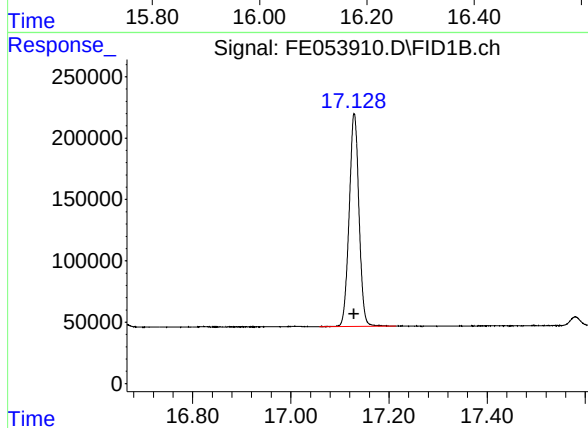
#14 n-Tetracosane (C24)

R.T.: 15.154 min  
Delta R.T.: 0.000 min  
Response: 2486047  
Conc: 19.87 ug/ml



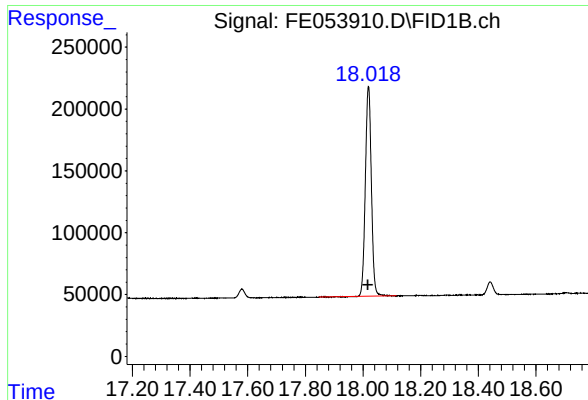
#15 n-Hexacosane (C26)

R.T.: 16.178 min  
Delta R.T.: 0.000 min  
Response: 2433303  
Conc: 19.87 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.129 min  
Delta R.T.: 0.000 min  
Response: 2405084  
Conc: 19.78 ug/ml



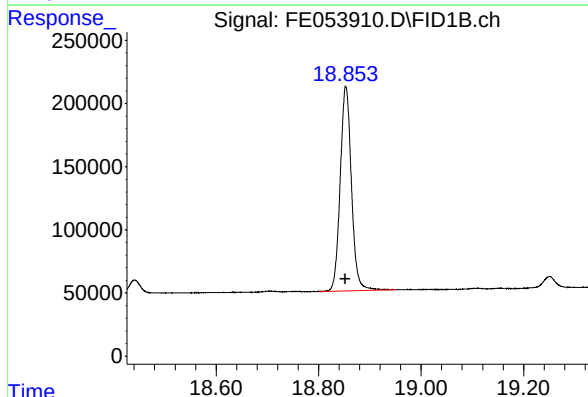
#17 n-Tricontane (C30)

R.T.: 18.019 min  
Delta R.T.: 0.000 min  
Response: 2451210  
Conc: 19.68 ug/ml

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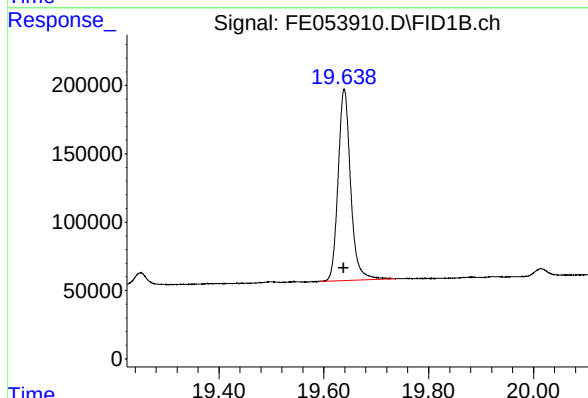
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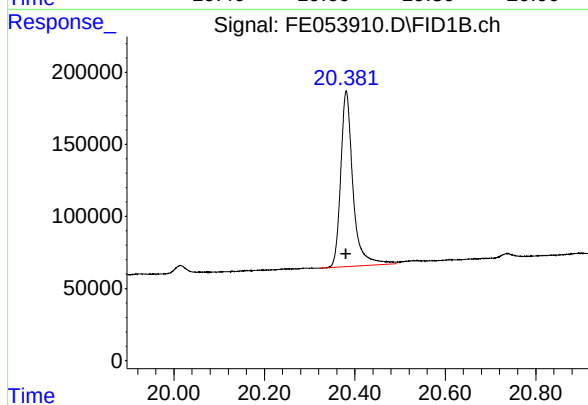
#18 n-Dotriacontane (C32)

R.T.: 18.853 min  
Delta R.T.: 0.001 min  
Response: 2458938  
Conc: 19.66 ug/ml



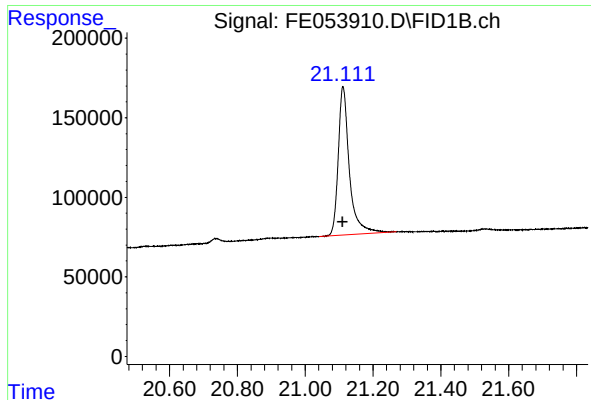
#19 n-Tetratriacontane (C34)

R.T.: 19.639 min  
Delta R.T.: 0.001 min  
Response: 2319808  
Conc: 19.47 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.381 min  
Delta R.T.: 0.000 min  
Response: 2288976  
Conc: 19.77 ug/ml



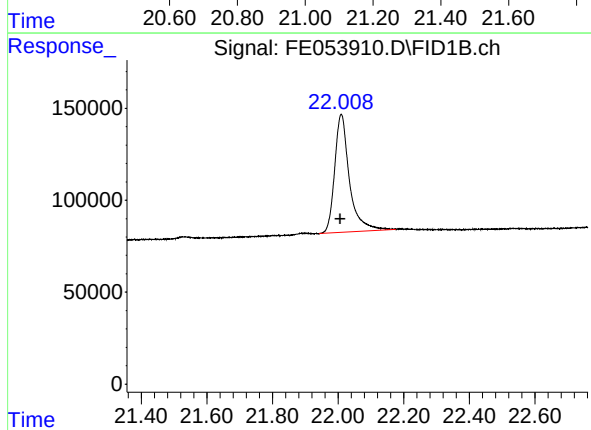
#21 n-Octatriacontane (C38)

R.T.: 21.112 min  
Delta R.T.: 0.000 min  
Response: 2126970  
Conc: 19.54 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.008 min  
Delta R.T.: 0.002 min  
Response: 2003842  
Conc: 20.19 ug/ml m