

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE053024AL\  
 Data File : FE048449.D  
 Signal(s) : FID1B.ch  
 Acq On : 30 May 2024 11:48  
 Operator : YP\AJ  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 100 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 05/31/2024  
 Supervised By :Ankita Jodhani 05/31/2024

Integration File: autoint1.e  
 Quant Time: May 31 01:31:33 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 052524.M  
 Quant Title : GC Extractables  
 QLast Update : Fri May 24 16:28:51 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)    | 11.955 | 2969546    | 20.680 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 41.36%        |
| 12) S 1-chlorooctadecane (S... | 13.389 | 2267983    | 20.818 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 41.64%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.340  | 3061366    | 20.477 ug/ml  |
| 2) T n-Decane (C10)            | 4.590  | 3115291    | 20.631 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.297  | 3073929    | 20.644 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.755  | 3041381    | 20.546 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.393  | 2879224    | 20.766 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.584  | 2912659    | 20.536 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.192 | 2907699    | 20.625 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.634 | 2870997    | 20.672 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.943 | 2736185    | 20.676 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.556 | 2677631    | 20.672 ug/ml  |
| 13) T n-Docosane (C22)         | 14.141 | 2669646    | 20.717 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.243 | 2687691    | 20.746 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.264 | 2698105    | 20.818 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.213 | 2733418    | 21.148 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.100 | 2909422    | 21.718 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.932 | 2995924    | 22.071 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.715 | 2978858    | 21.775 ug/mlm |
| 20) T n-Hexatriacontane (C36)  | 20.455 | 2885805    | 21.229 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 21.192 | 2939053    | 21.552 ug/ml  |
| 22) T n-Tetracontane (C40)     | 22.115 | 2869738    | 20.959 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Acq On : 30 May 2024 11:48  
Operator : YP\AJ  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 100 Sample Multiplier: 1

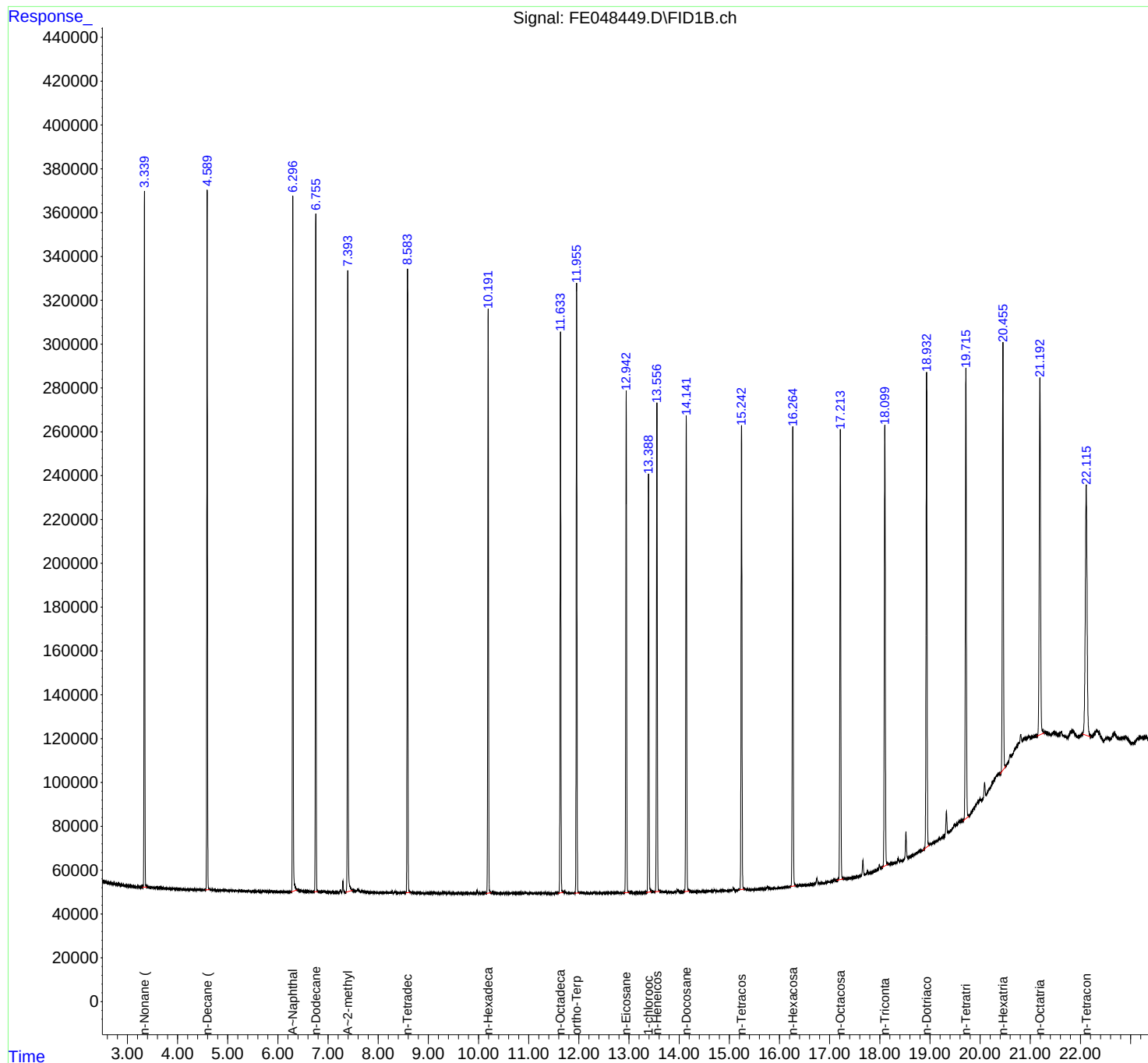
Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

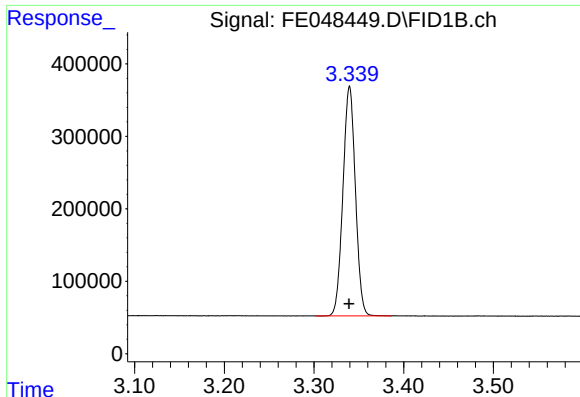
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Quant Time: May 31 01:31:33 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 052524.M  
Quant Title : GC Extractables  
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Volume Inj. : 1 ul  
Signal Phase : Rxi-1ms  
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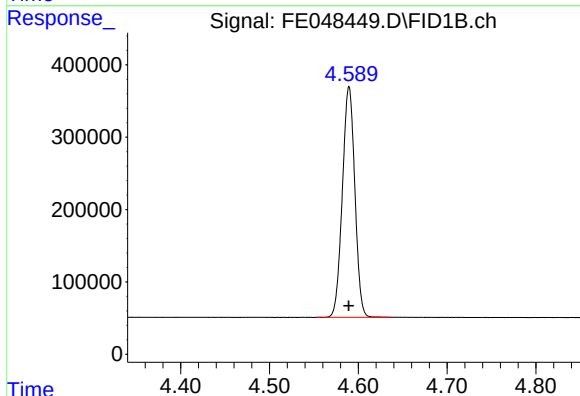
#1 n-Nonane (C9)

R.T.: 3.340 min  
Delta R.T.: 0.000 min  
Response: 3061366  
Conc: 20.48 ug/ml

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

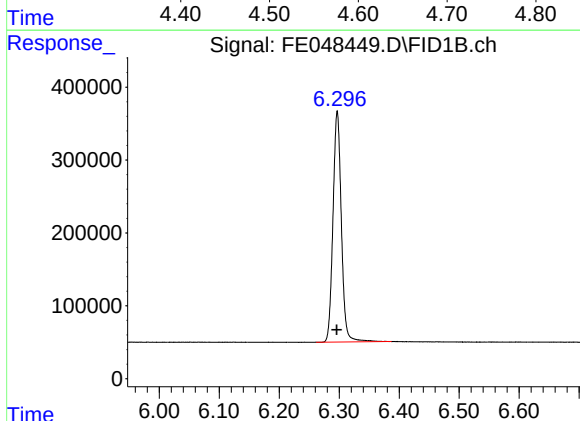
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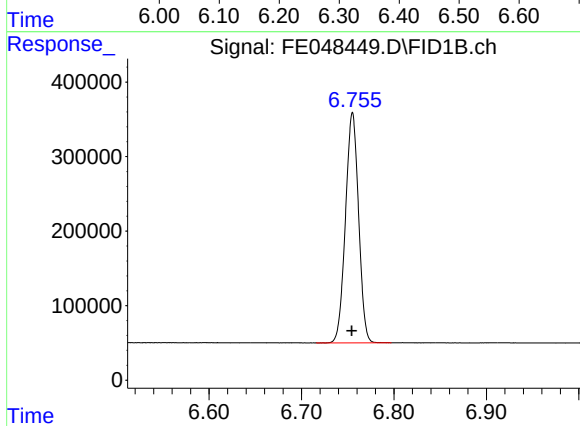
#2 n-Decane (C10)

R.T.: 4.590 min  
Delta R.T.: 0.000 min  
Response: 3115291  
Conc: 20.63 ug/ml



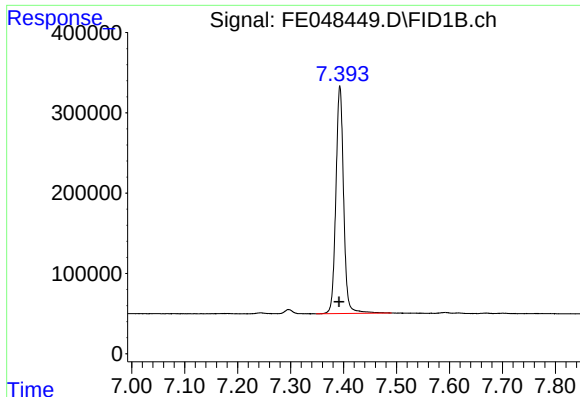
#3 A~Naphthalene (C11.7)

R.T.: 6.297 min  
Delta R.T.: 0.000 min  
Response: 3073929  
Conc: 20.64 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.755 min  
Delta R.T.: 0.001 min  
Response: 3041381  
Conc: 20.55 ug/ml



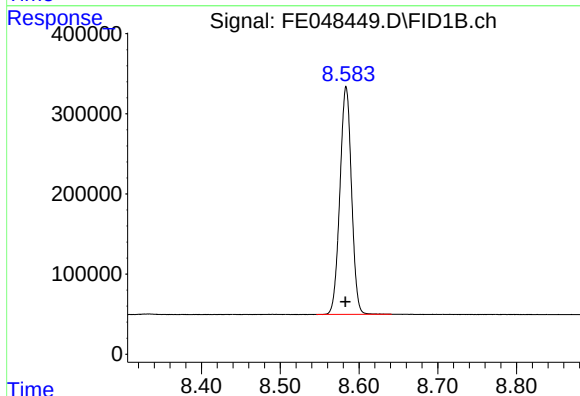
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.393 min  
Delta R.T.: 0.002 min  
Response: 2879224  
Conc: 20.77 ug/ml

Instrument :  
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ClientSampleId :  
20 PPM ALIPHATIC HC STD

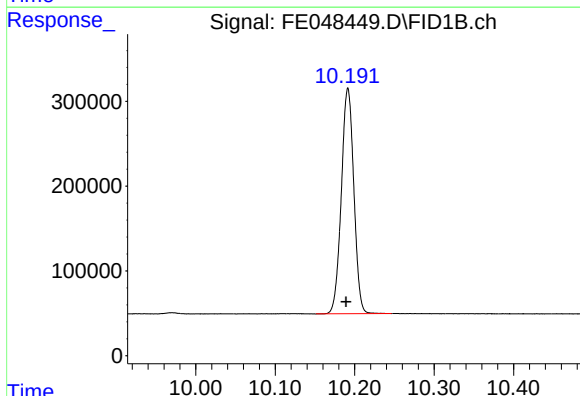
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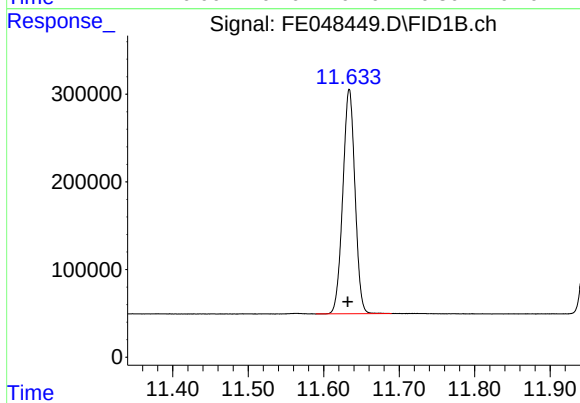
#6 n-Tetradecane (C14)

R.T.: 8.584 min  
Delta R.T.: 0.001 min  
Response: 2912659  
Conc: 20.54 ug/ml



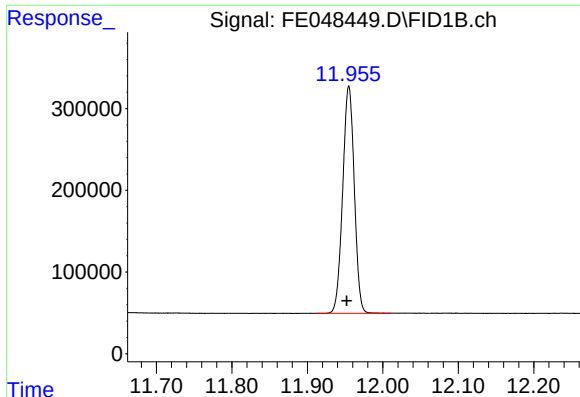
#7 n-Hexadecane (C16)

R.T.: 10.192 min  
Delta R.T.: 0.002 min  
Response: 2907699  
Conc: 20.63 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.634 min  
Delta R.T.: 0.002 min  
Response: 2870997  
Conc: 20.67 ug/ml



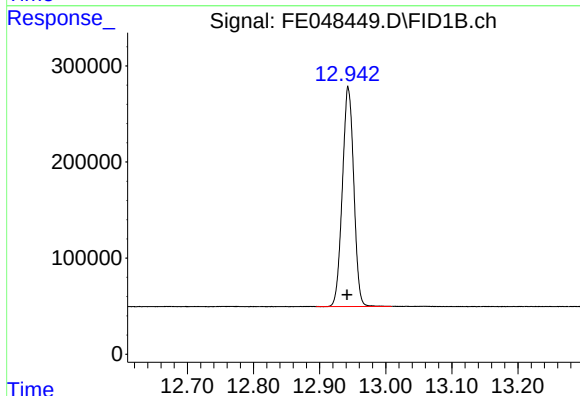
#9 ortho-Terphenyl (SURR)

R.T.: 11.955 min  
Delta R.T.: 0.003 min  
Response: 2969546  
Conc: 20.68 ug/ml

Instrument :  
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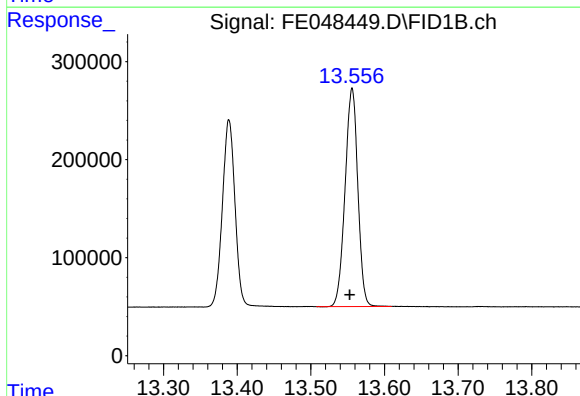
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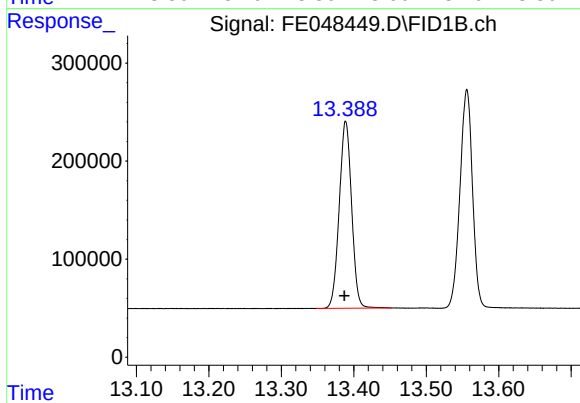
#10 n-Eicosane (C20)

R.T.: 12.943 min  
Delta R.T.: 0.001 min  
Response: 2736185  
Conc: 20.68 ug/ml



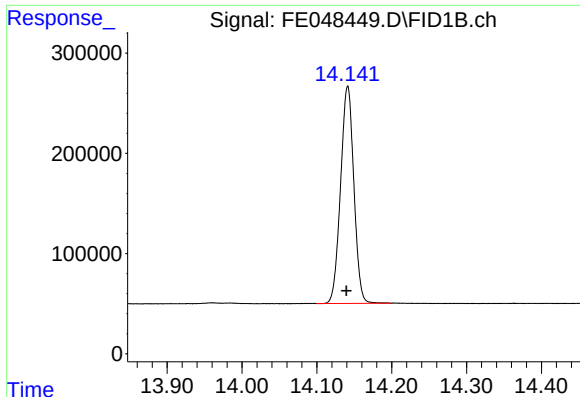
#11 n-Heneicosane (C21)

R.T.: 13.556 min  
Delta R.T.: 0.003 min  
Response: 2677631  
Conc: 20.67 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.389 min  
Delta R.T.: 0.002 min  
Response: 2267983  
Conc: 20.82 ug/ml



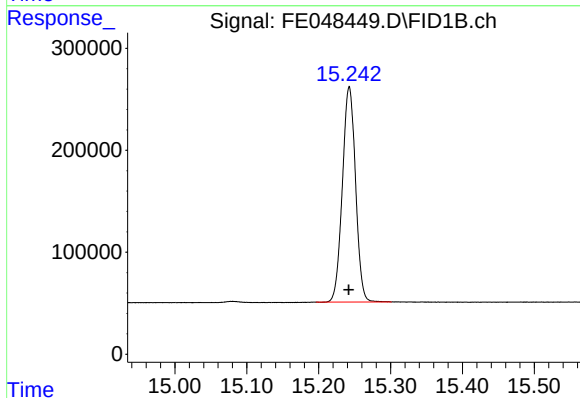
#13 n-Docosane (C22)

R.T.: 14.141 min  
Delta R.T.: 0.002 min  
Response: 2669646  
Conc: 20.72 ug/ml

Instrument :  
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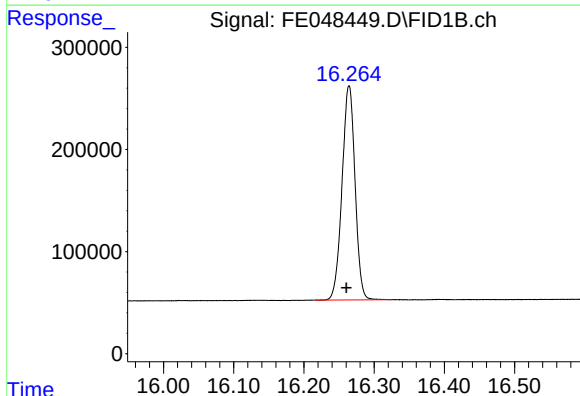
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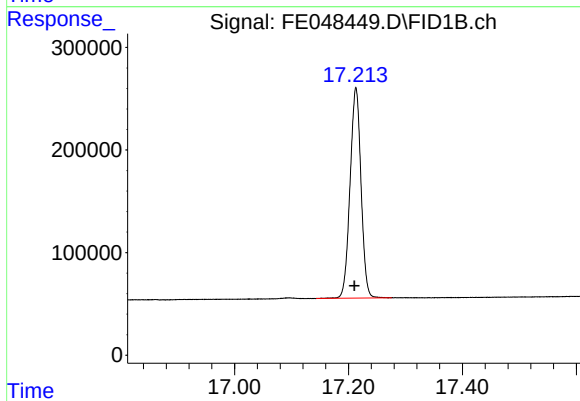
#14 n-Tetracosane (C24)

R.T.: 15.243 min  
Delta R.T.: 0.000 min  
Response: 2687691  
Conc: 20.75 ug/ml



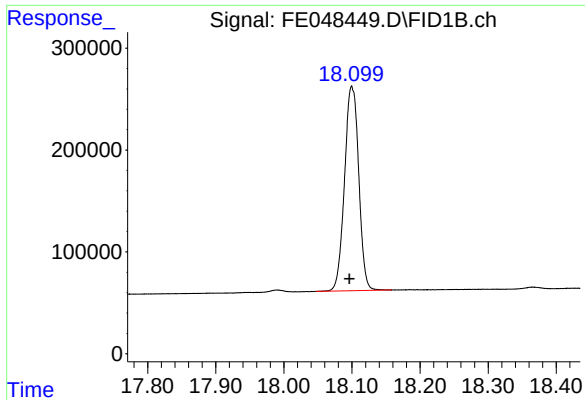
#15 n-Hexacosane (C26)

R.T.: 16.264 min  
Delta R.T.: 0.004 min  
Response: 2698105  
Conc: 20.82 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.213 min  
Delta R.T.: 0.003 min  
Response: 2733418  
Conc: 21.15 ug/ml



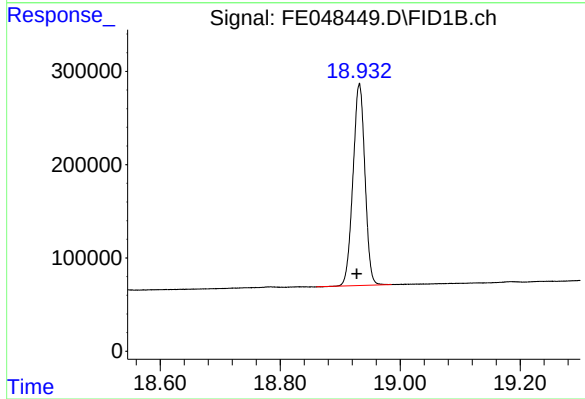
#17 n-Tricontane (C30)

R.T.: 18.100 min  
Delta R.T.: 0.003 min  
Response: 2909422  
Conc: 21.72 ug/ml

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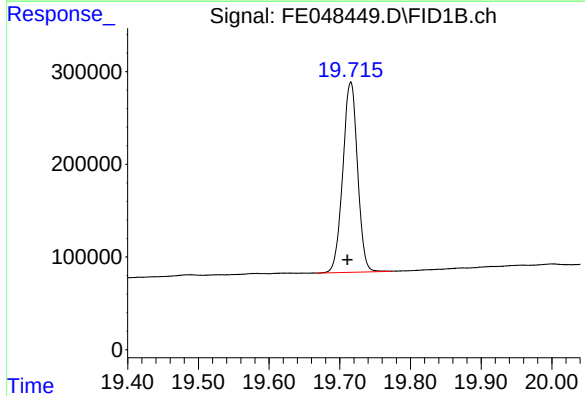
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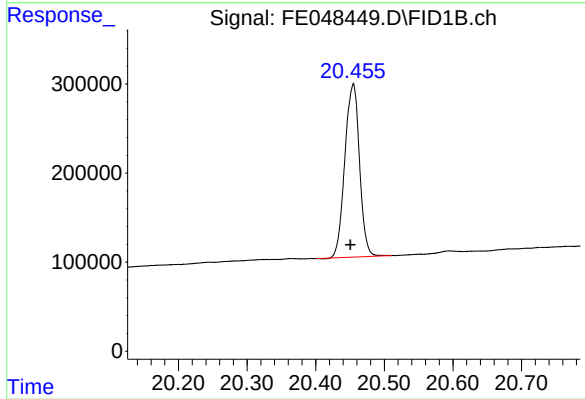
#18 n-Dotriacontane (C32)

R.T.: 18.932 min  
Delta R.T.: 0.004 min  
Response: 2995924  
Conc: 22.07 ug/ml



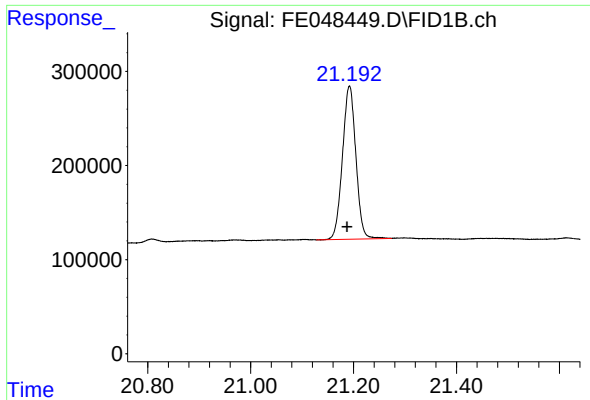
#19 n-Tetratriacontane (C34)

R.T.: 19.715 min  
Delta R.T.: 0.004 min  
Response: 2978858  
Conc: 21.78 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.455 min  
Delta R.T.: 0.004 min  
Response: 2885805  
Conc: 21.23 ug/ml



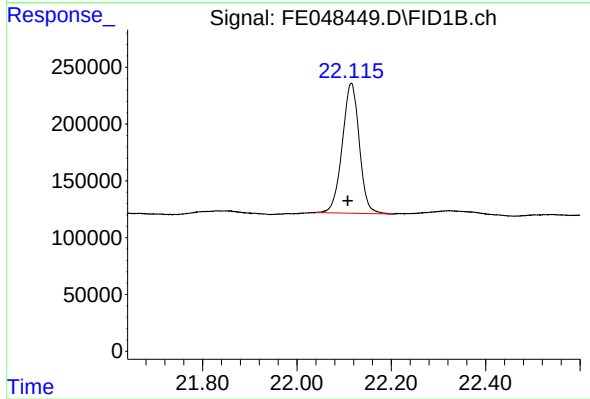
#21 n-Octatriacontane (C38)

R.T.: 21.192 min  
Delta R.T.: 0.005 min  
Response: 2939053  
Conc: 21.55 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.115 min  
Delta R.T.: 0.008 min  
Response: 2869738  
Conc: 20.96 ug/ml