

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC103122AL\  
 Data File : FC062037.D  
 Signal(s) : FID1A.ch  
 Acq On : 31 Oct 2022 09:22  
 Operator : YP/AJ  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/01/2022  
 Supervised By :Ankita Jodhani 11/01/2022

Integration File: autoint1.e  
 Quant Time: Oct 31 18:27:36 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 101722.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Oct 17 23:26:31 2022  
 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)    | 11.585 | 3046020    | 20.492 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 40.98%        |
| 12) S 1-chlorooctadecane (S... | 13.020 | 2365711    | 20.306 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 40.61%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.350  | 2838202    | 20.178 ug/ml  |
| 2) T n-Decane (C10)            | 4.416  | 2916482    | 20.431 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.001  | 3076580    | 19.932 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.431  | 2960616    | 20.394 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.055  | 3020231    | 19.910 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.226  | 2968323    | 20.420 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.826  | 2996572    | 20.577 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.268 | 2996088    | 20.728 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.576 | 2926867    | 20.738 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.188 | 2870267    | 20.686 ug/ml  |
| 13) T n-Docosane (C22)         | 13.773 | 2858593    | 20.852 ug/mlm |
| 14) T n-Tetracosane (C24)      | 14.876 | 2775824    | 21.008 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.895 | 2747892    | 21.808 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.844 | 2754195    | 22.836 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.730 | 2936121    | 24.677 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.562 | 2984105    | 25.327 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.344 | 2761938    | 24.448 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.083 | 2618038    | 23.085 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 20.819 | 2515469    | 22.356 ug/ml  |
| 22) T n-Tetracontane (C40)     | 21.731 | 2309279    | 20.569 ug/ml  |
| -----                          |        |            |               |

(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 : 2 Sample Multiplier: 1

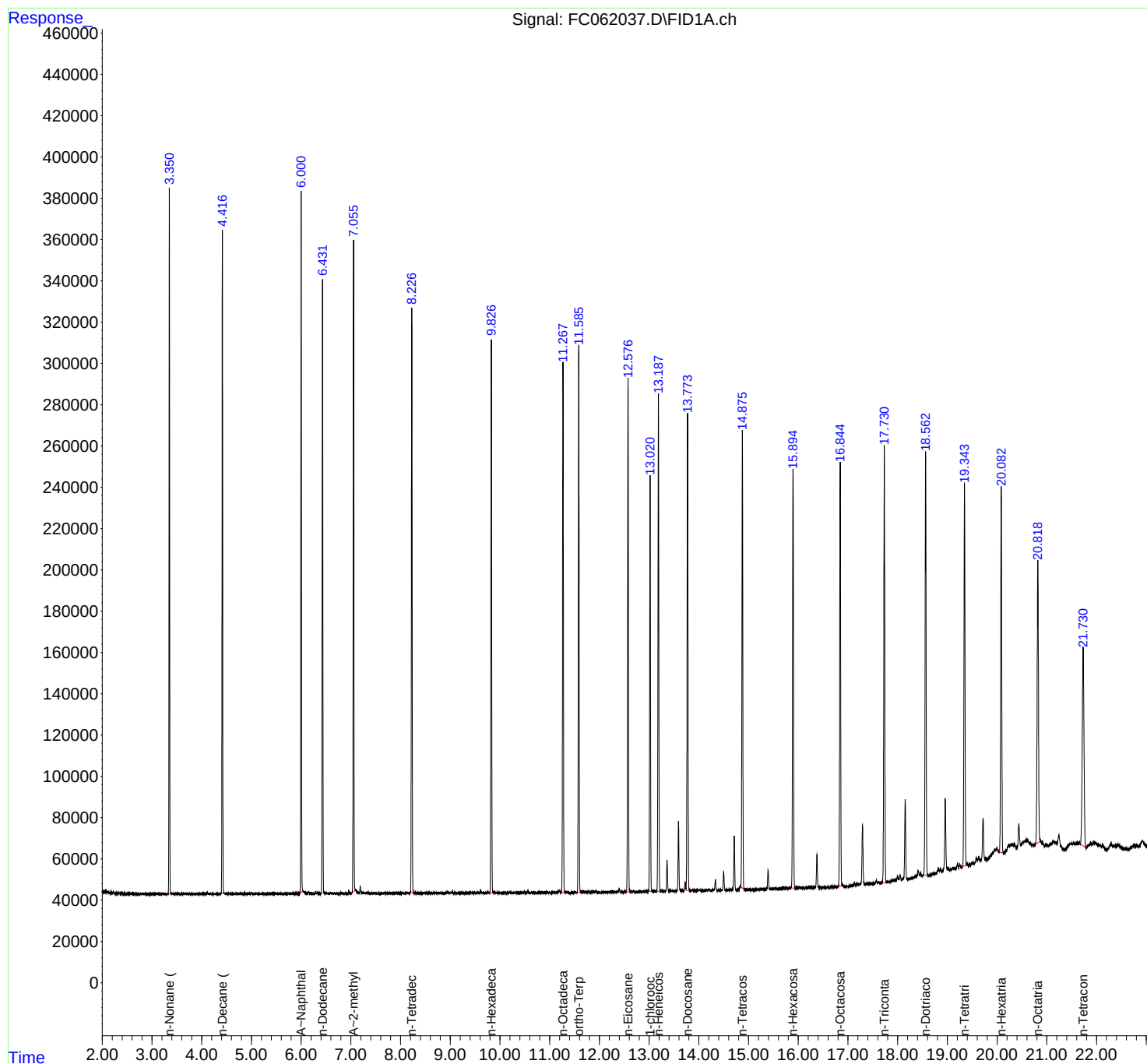
Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

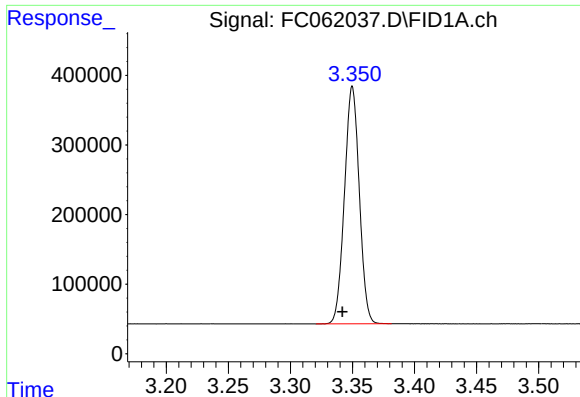
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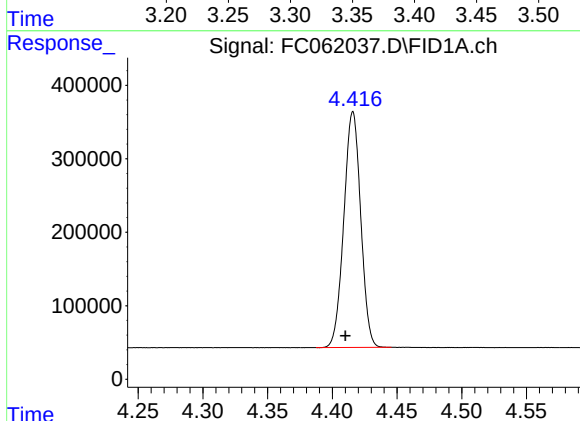
#1 n-Nonane (C9)

R.T.: 3.350 min  
Delta R.T.: 0.008 min  
Response: 2838202  
Conc: 20.18 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

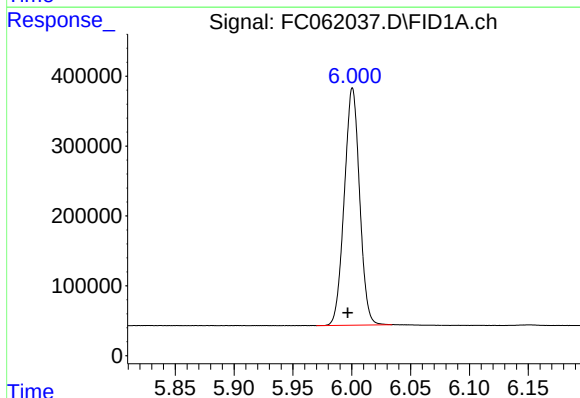
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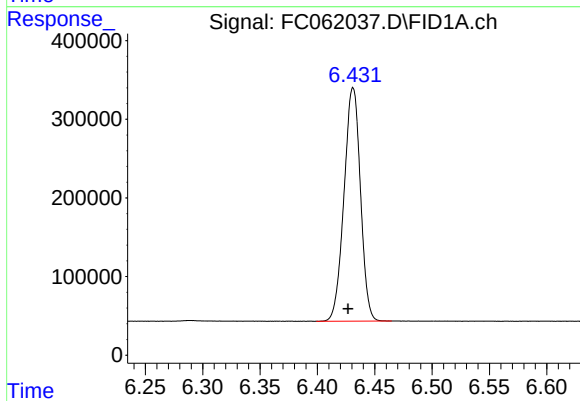
#2 n-Decane (C10)

R.T.: 4.416 min  
Delta R.T.: 0.006 min  
Response: 2916482  
Conc: 20.43 ug/ml



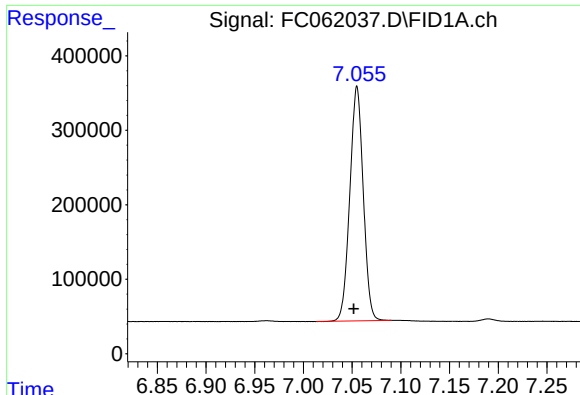
#3 A~Naphthalene (C11.7)

R.T.: 6.001 min  
Delta R.T.: 0.004 min  
Response: 3076580  
Conc: 19.93 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.431 min  
Delta R.T.: 0.004 min  
Response: 2960616  
Conc: 20.39 ug/ml



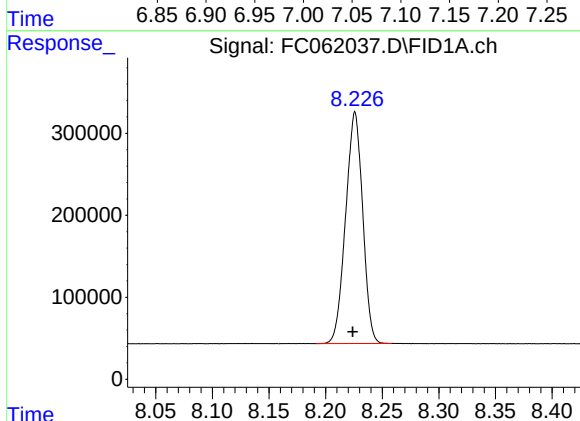
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.055 min  
Delta R.T.: 0.003 min  
Response: 3020231  
Conc: 19.91 ug/ml

Instrument :  
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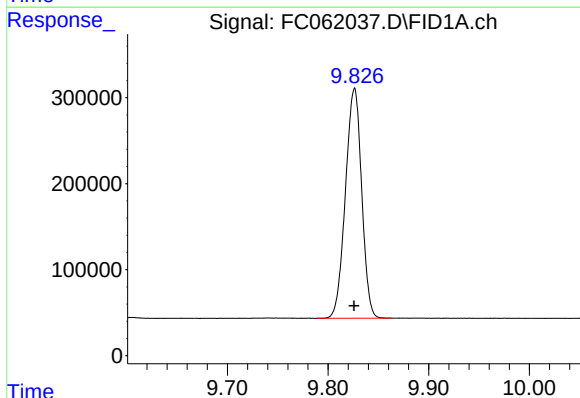
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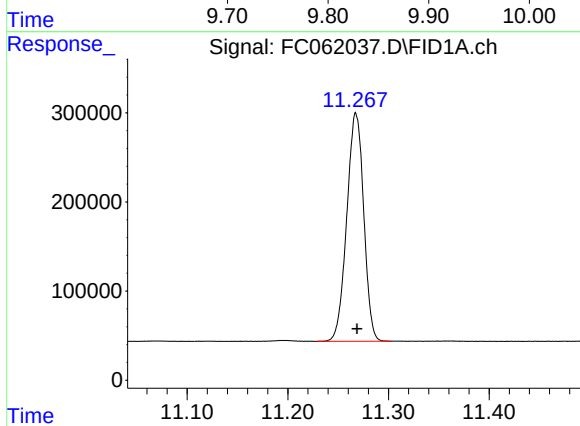
#6 n-Tetradecane (C14)

R.T.: 8.226 min  
Delta R.T.: 0.002 min  
Response: 2968323  
Conc: 20.42 ug/ml



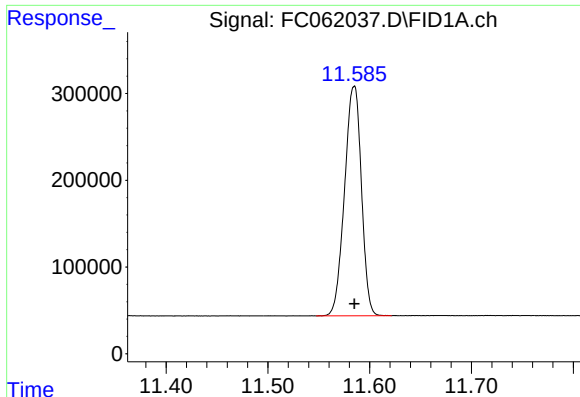
#7 n-Hexadecane (C16)

R.T.: 9.826 min  
Delta R.T.: 0.000 min  
Response: 2996572  
Conc: 20.58 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.268 min  
Delta R.T.: -0.001 min  
Response: 2996088  
Conc: 20.73 ug/ml



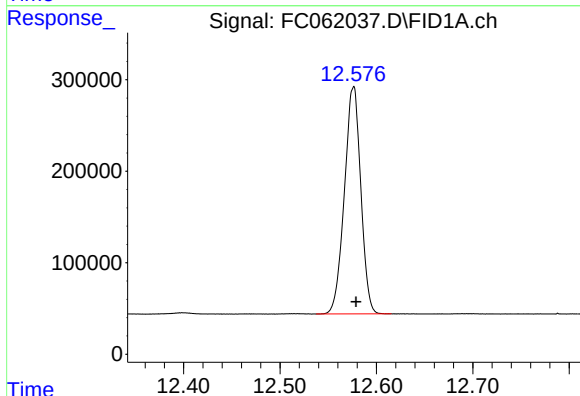
#9 ortho-Terphenyl (SURR)

R.T.: 11.585 min  
Delta R.T.: 0.000 min  
Response: 3046020  
Conc: 20.49 ug/ml

Instrument :  
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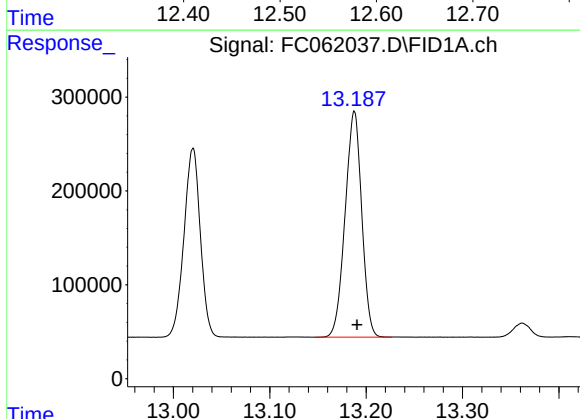
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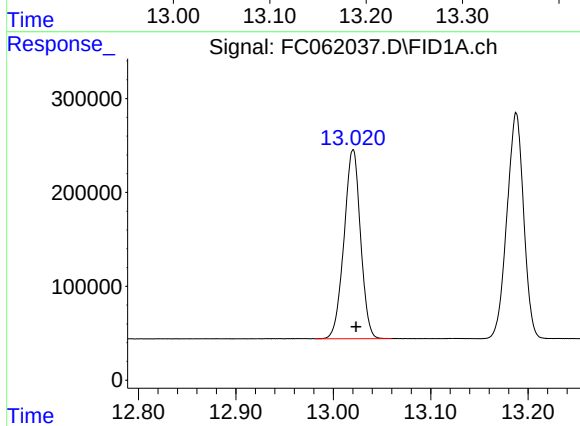
#10 n-Eicosane (C20)

R.T.: 12.576 min  
Delta R.T.: -0.003 min  
Response: 2926867  
Conc: 20.74 ug/ml



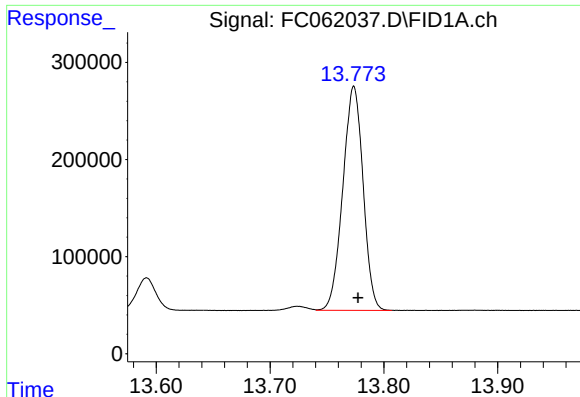
#11 n-Heneicosane (C21)

R.T.: 13.188 min  
Delta R.T.: -0.003 min  
Response: 2870267  
Conc: 20.69 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.020 min  
Delta R.T.: -0.003 min  
Response: 2365711  
Conc: 20.31 ug/ml



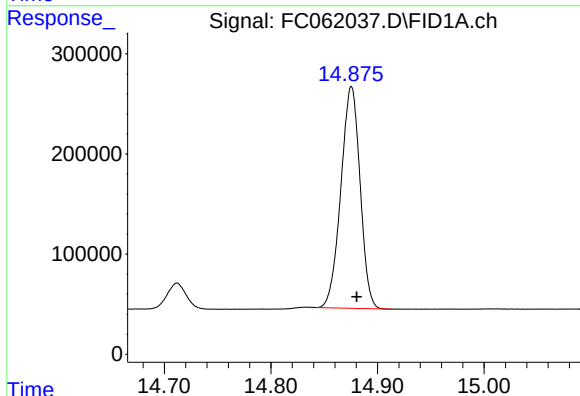
#13 n-Docosane (C22)

R.T.: 13.773 min  
Delta R.T.: -0.004 min  
Response: 2858593  
Conc: 20.85 ug/ml

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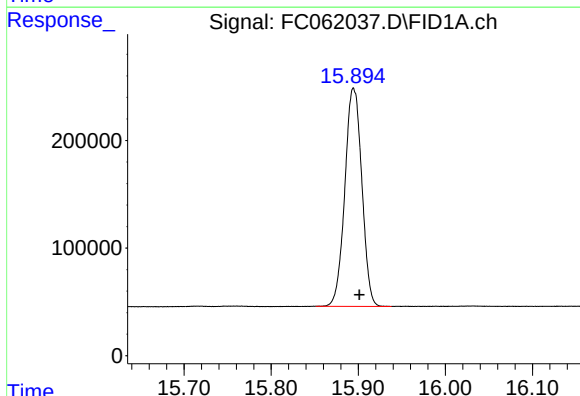
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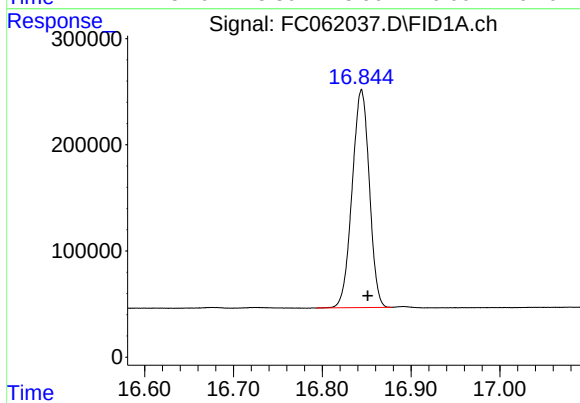
#14 n-Tetracosane (C24)

R.T.: 14.876 min  
Delta R.T.: -0.005 min  
Response: 2775824  
Conc: 21.01 ug/ml



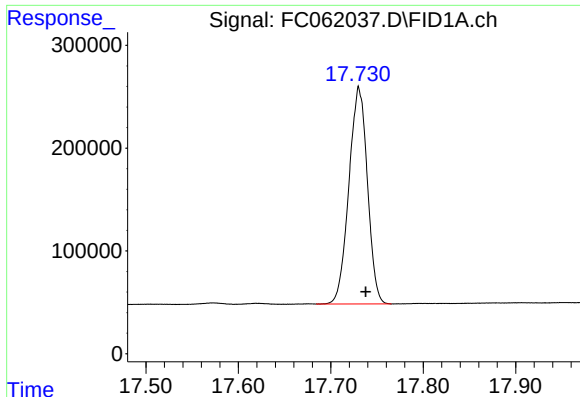
#15 n-Hexacosane (C26)

R.T.: 15.895 min  
Delta R.T.: -0.007 min  
Response: 2747892  
Conc: 21.81 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.844 min  
Delta R.T.: -0.007 min  
Response: 2754195  
Conc: 22.84 ug/ml



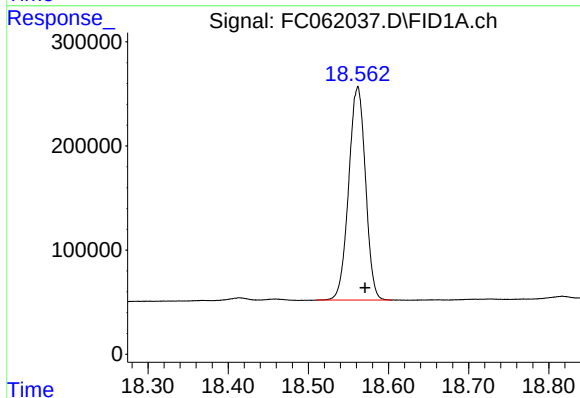
#17 n-Tricontane (C30)

R.T.: 17.730 min  
Delta R.T.: -0.008 min  
Response: 2936121  
Conc: 24.68 ug/ml

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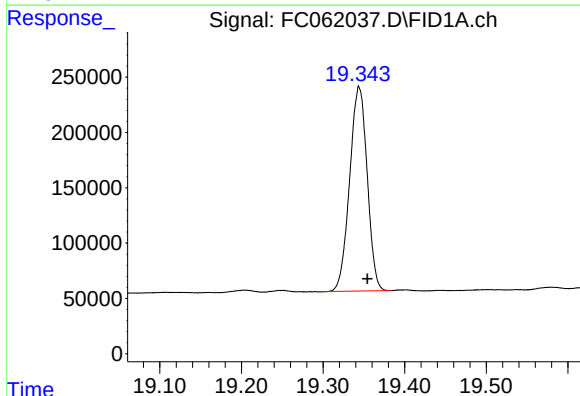
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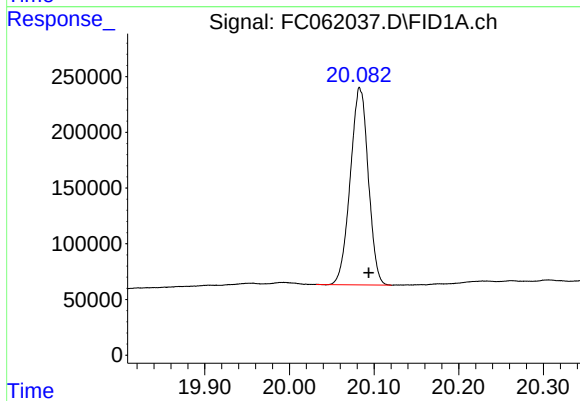
#18 n-Dotriacontane (C32)

R.T.: 18.562 min  
Delta R.T.: -0.009 min  
Response: 2984105  
Conc: 25.33 ug/ml



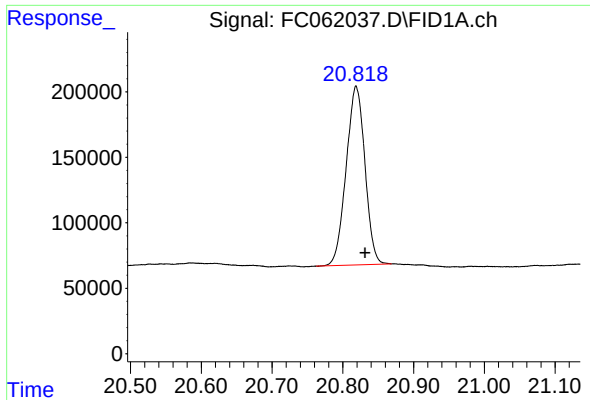
#19 n-Tetratriacontane (C34)

R.T.: 19.344 min  
Delta R.T.: -0.010 min  
Response: 2761938  
Conc: 24.45 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.083 min  
Delta R.T.: -0.010 min  
Response: 2618038  
Conc: 23.08 ug/ml



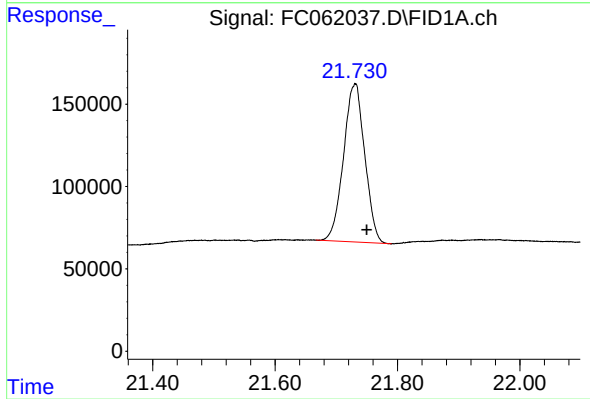
#21 n-Octatriacontane (C38)

R.T.: 20.819 min  
Delta R.T.: -0.013 min  
Response: 2515469  
Conc: 22.36 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.731 min  
Delta R.T.: -0.019 min  
Response: 2309279  
Conc: 20.57 ug/ml