

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE061323AL\  
 Data File : FE042596.D  
 Signal(s) : FID1B.ch  
 Acq On : 14 Jun 2023 01:25  
 Operator : YP\AJ  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 06/14/2023  
 Supervised By :Ankita Jodhani 06/14/2023

Integration File: autoint1.e  
 Quant Time: Jun 14 02:14:10 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 051823.M  
 Quant Title : GC Extractables  
 QLast Update : Thu May 18 06:27:12 2023  
 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)    | 11.940 | 3400842    | 19.260 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 38.52%        |
| 12) S 1-chlorooctadecane (S... | 13.377 | 2515211    | 18.929 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 37.86%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.320  | 2816083    | 19.529 ug/ml  |
| 2) T n-Decane (C10)            | 4.571  | 2983519    | 20.154 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.280  | 3231058    | 19.803 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.740  | 3026315    | 20.182 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.377  | 3099546    | 19.531 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.569  | 3012931    | 20.112 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.177 | 3117077    | 20.011 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.621 | 3129719    | 19.792 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.930 | 2946170    | 19.436 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.543 | 2858757    | 19.296 ug/ml  |
| 13) T n-Docosane (C22)         | 14.128 | 2796309    | 19.075 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.232 | 2717283    | 18.823 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.254 | 2646467    | 19.108 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.205 | 2675692    | 19.985 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.093 | 2978409    | 22.064 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.926 | 3083208    | 23.079 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.711 | 2957155    | 22.486 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.450 | 2848478    | 21.916 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 21.199 | 2870509    | 21.158 ug/mlm |
| 22) T n-Tetracontane (C40)     | 22.125 | 2888542    | 20.763 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Acq On : 14 Jun 2023 01:25  
Operator : YP\AJ  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

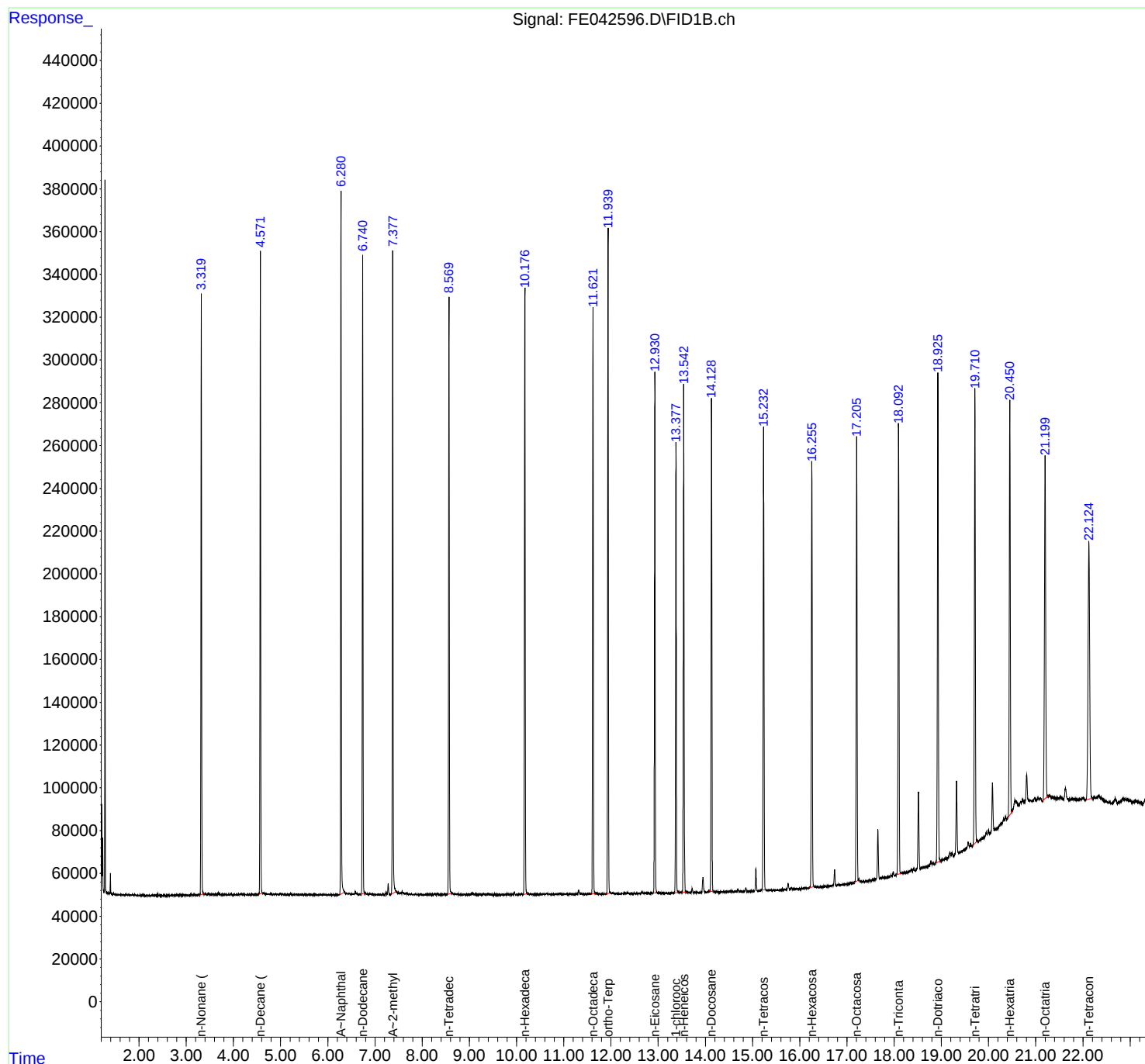
Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

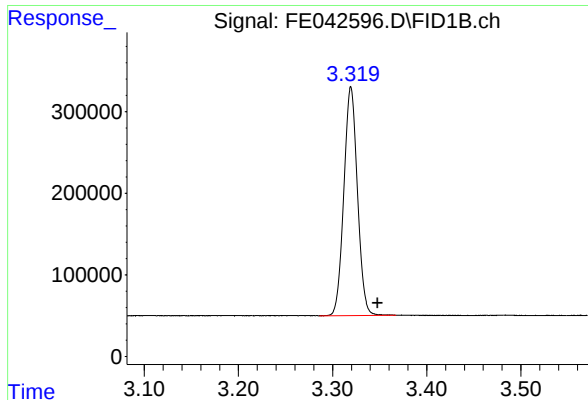
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Integration File: autoint1.e  
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Signal Phase : Rxi-1ms  
Signal Info : 20M x 0.18mm x 0.18um





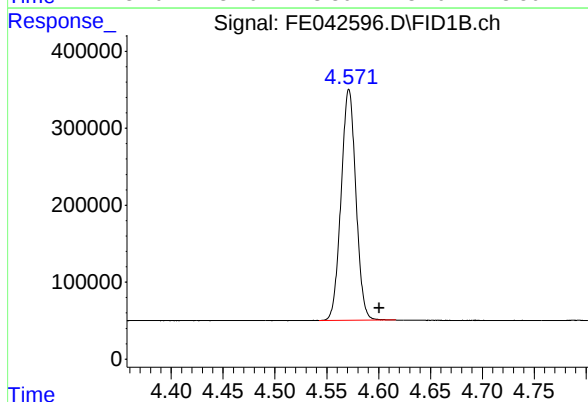
#1 n-Nonane (C9)

R.T.: 3.320 min  
Delta R.T.: -0.028 min  
Response: 2816083  
Conc: 19.53 ug/ml

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

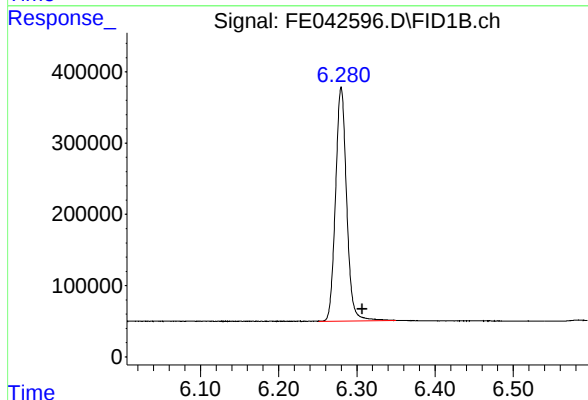
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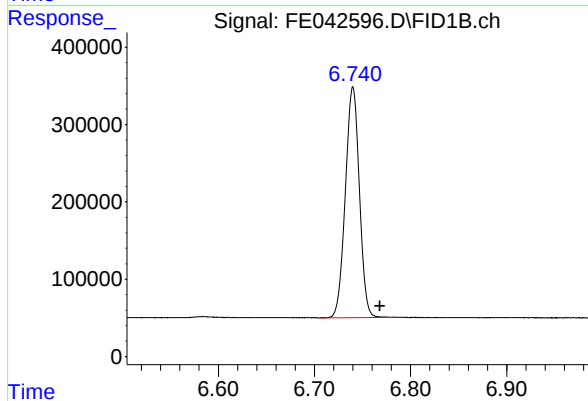
#2 n-Decane (C10)

R.T.: 4.571 min  
Delta R.T.: -0.029 min  
Response: 2983519  
Conc: 20.15 ug/ml



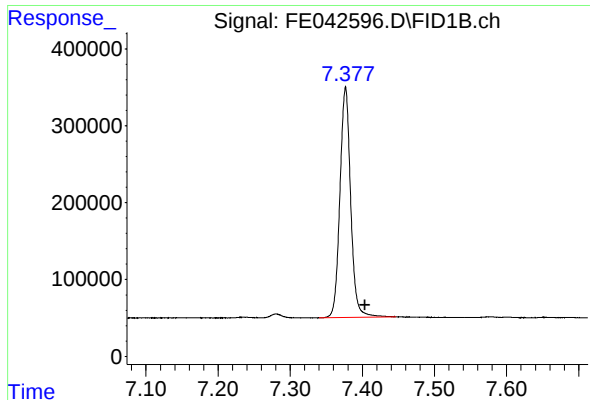
#3 A~Naphthalene (C11.7)

R.T.: 6.280 min  
Delta R.T.: -0.027 min  
Response: 3231058  
Conc: 19.80 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.740 min  
Delta R.T.: -0.028 min  
Response: 3026315  
Conc: 20.18 ug/ml



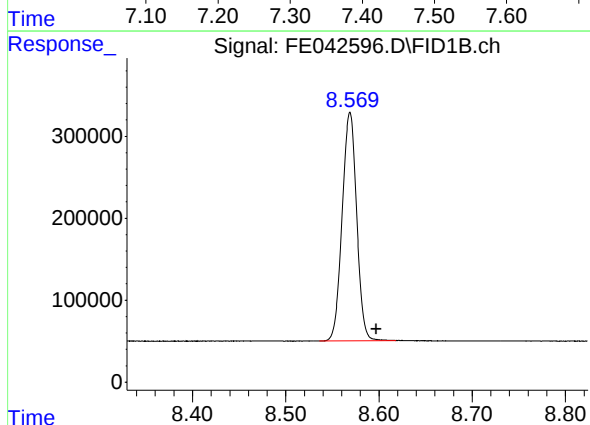
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.377 min  
Delta R.T.: -0.027 min  
Response: 3099546  
Conc: 19.53 ug/ml

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

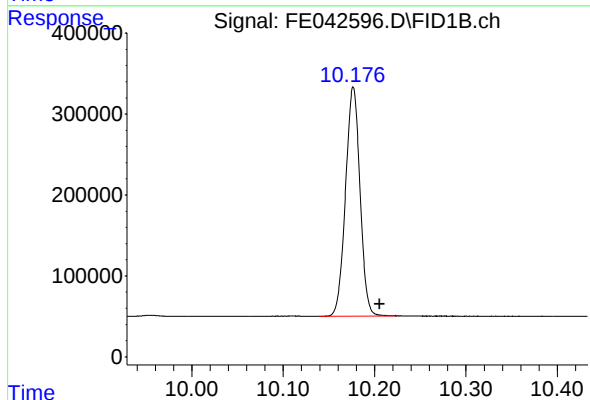
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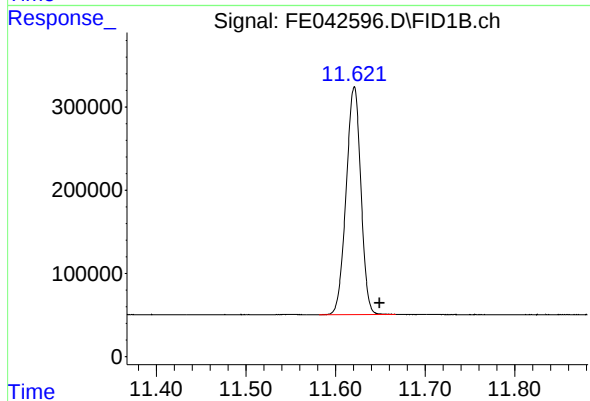
#6 n-Tetradecane (C14)

R.T.: 8.569 min  
Delta R.T.: -0.028 min  
Response: 3012931  
Conc: 20.11 ug/ml



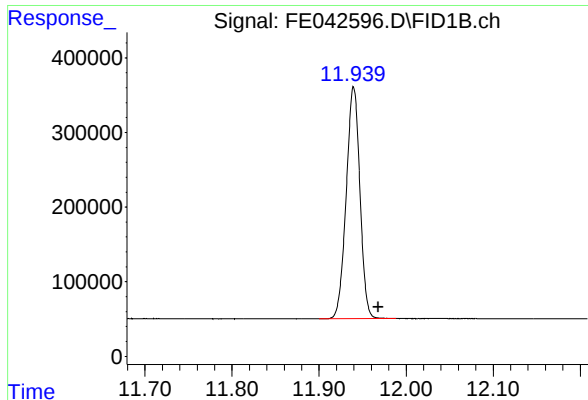
#7 n-Hexadecane (C16)

R.T.: 10.177 min  
Delta R.T.: -0.029 min  
Response: 3117077  
Conc: 20.01 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.621 min  
Delta R.T.: -0.028 min  
Response: 3129719  
Conc: 19.79 ug/ml



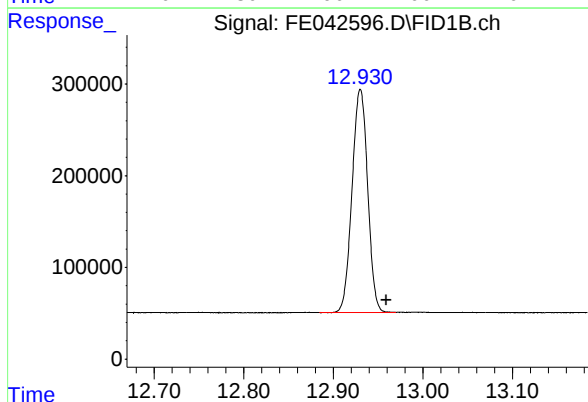
#9 ortho-Terphenyl (SURR)

R.T.: 11.940 min  
Delta R.T.: -0.028 min  
Response: 3400842  
Conc: 19.26 ug/ml

Instrument :  
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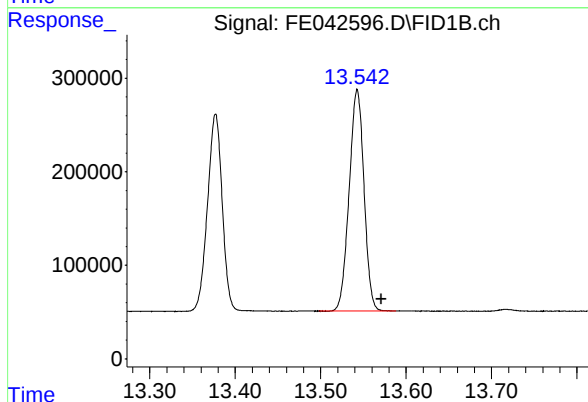
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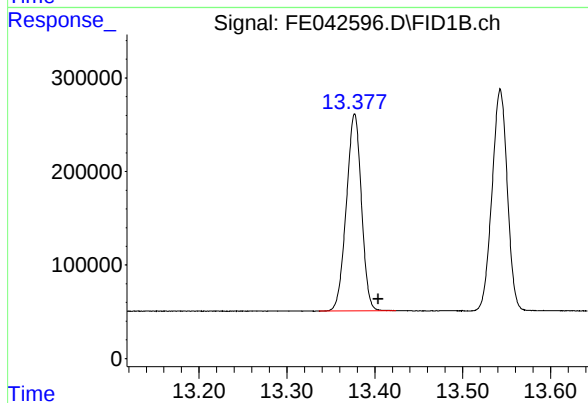
#10 n-Eicosane (C20)

R.T.: 12.930 min  
Delta R.T.: -0.029 min  
Response: 2946170  
Conc: 19.44 ug/ml



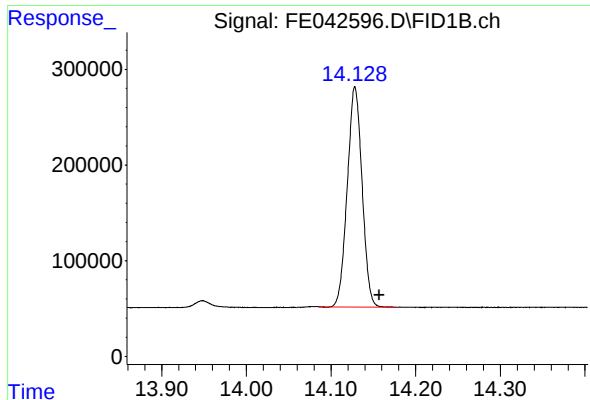
#11 n-Heneicosane (C21)

R.T.: 13.543 min  
Delta R.T.: -0.028 min  
Response: 2858757  
Conc: 19.30 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.377 min  
Delta R.T.: -0.027 min  
Response: 2515211  
Conc: 18.93 ug/ml



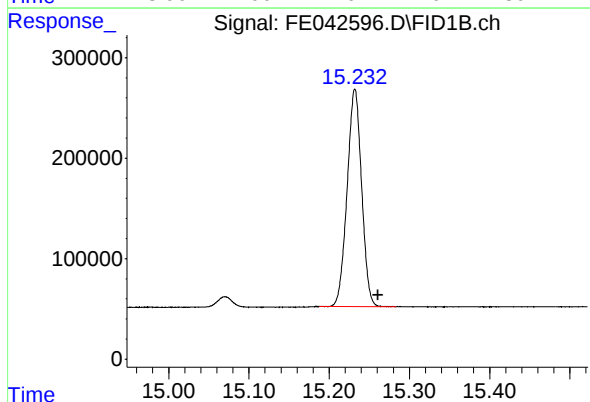
#13 n-Docosane (C22)

R.T.: 14.128 min  
Delta R.T.: -0.029 min  
Response: 2796309  
Conc: 19.07 ug/ml

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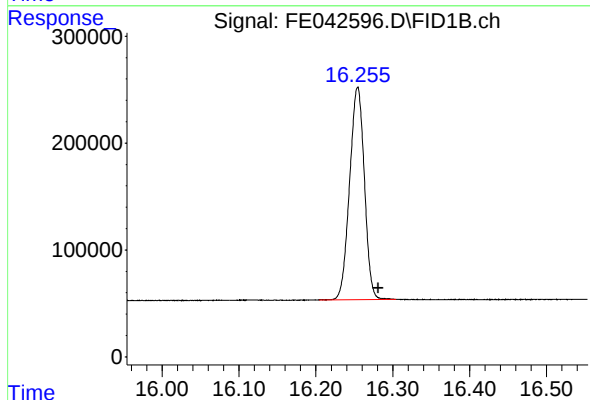
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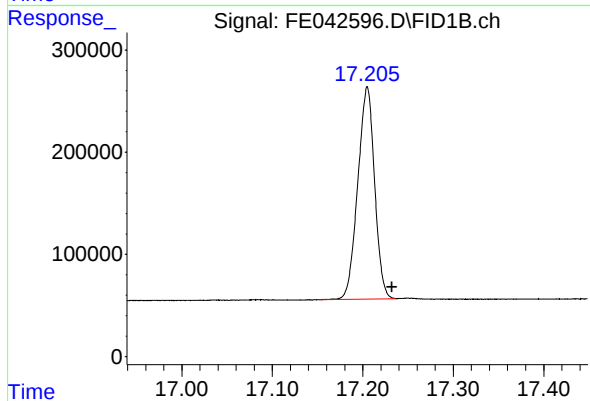
#14 n-Tetracosane (C24)

R.T.: 15.232 min  
Delta R.T.: -0.029 min  
Response: 2717283  
Conc: 18.82 ug/ml



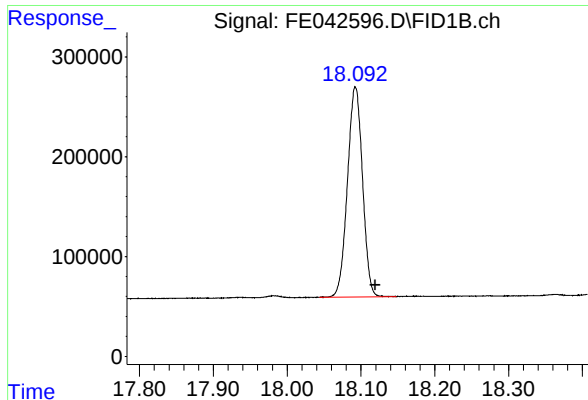
#15 n-Hexacosane (C26)

R.T.: 16.254 min  
Delta R.T.: -0.027 min  
Response: 2646467  
Conc: 19.11 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.205 min  
Delta R.T.: -0.027 min  
Response: 2675692  
Conc: 19.99 ug/ml



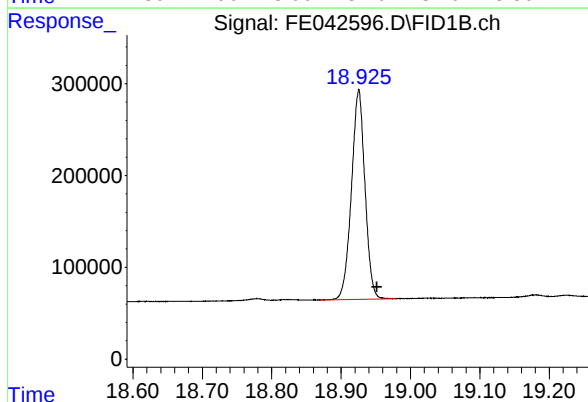
#17 n-Tricontane (C30)

R.T.: 18.093 min  
Delta R.T.: -0.027 min  
Response: 2978409  
Conc: 22.06 ug/ml

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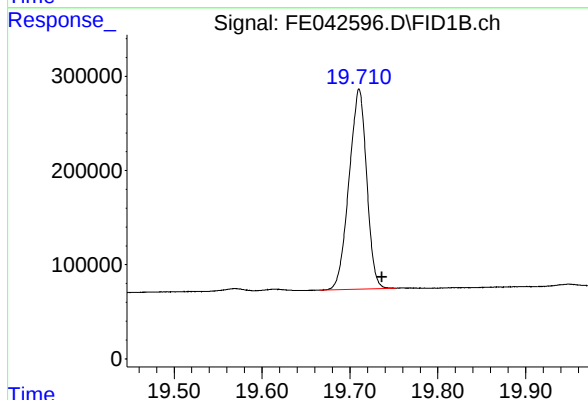
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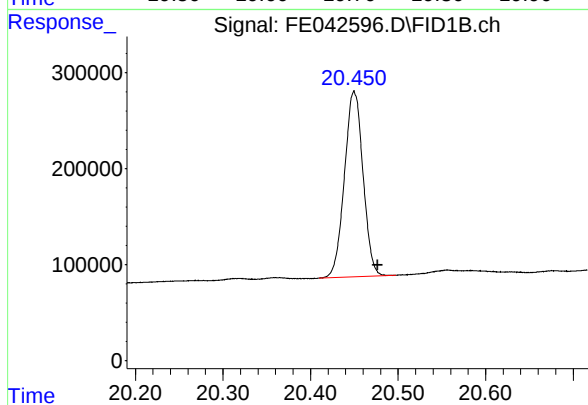
#18 n-Dotriacontane (C32)

R.T.: 18.926 min  
Delta R.T.: -0.026 min  
Response: 3083208  
Conc: 23.08 ug/ml



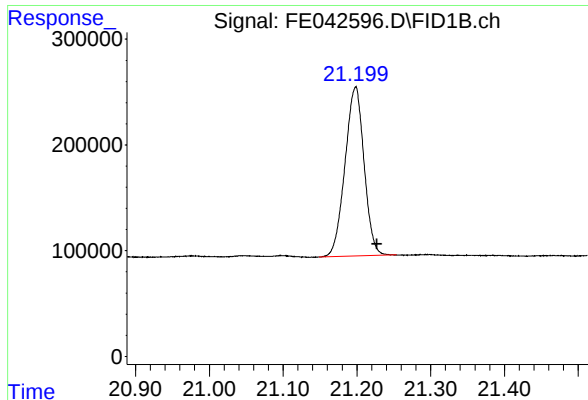
#19 n-Tetratriacontane (C34)

R.T.: 19.711 min  
Delta R.T.: -0.026 min  
Response: 2957155  
Conc: 22.49 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.450 min  
Delta R.T.: -0.027 min  
Response: 2848478  
Conc: 21.92 ug/ml m



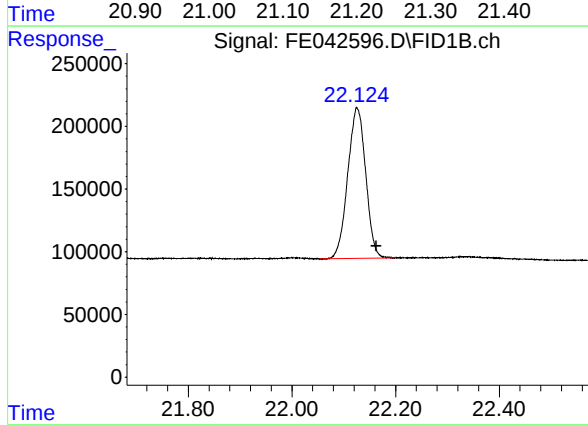
#21 n-Octatriacontane (C38)

R.T.: 21.199 min  
Delta R.T.: -0.029 min  
Response: 2870509  
Conc: 21.16 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.125 min  
Delta R.T.: -0.038 min  
Response: 2888542  
Conc: 20.76 ug/ml