

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE061423AL\  
 Data File : FE042621.D  
 Signal(s) : FID1B.ch  
 Acq On : 14 Jun 2023 20:29  
 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 06/15/2023  
 Supervised By :Ankita Jodhani 06/15/2023

Integration File: autoint1.e  
 Quant Time: Jun 15 01:27:22 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)    | 11.938 | 2904670    | 16.450 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 32.90%        |
| 12) S 1-chlorooctadecane (S... | 13.375 | 2161676    | 16.268 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 32.54%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.318  | 2407028    | 16.693 ug/ml  |
| 2) T n-Decane (C10)            | 4.569  | 2522422    | 17.039 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.279  | 2696188    | 16.525 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.739  | 2552731    | 17.023 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.376  | 2590148    | 16.321 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.568  | 2553480    | 17.045 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.176 | 2650381    | 17.015 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.619 | 2674093    | 16.910 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.929 | 2543232    | 16.778 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.542 | 2467117    | 16.652 ug/ml  |
| 13) T n-Docosane (C22)         | 14.127 | 2448999    | 16.706 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.231 | 2434083    | 16.862 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.253 | 2375017    | 17.148 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.203 | 2437354    | 18.205 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.091 | 2721765    | 20.163 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.923 | 2812160    | 21.051 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.708 | 2622077    | 19.938 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.448 | 2508529    | 19.300 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 21.193 | 2476451    | 18.253 ug/mlm |
| 22) T n-Tetracontane (C40)     | 22.123 | 2452200    | 17.627 ug/mlm |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Acq On : 14 Jun 2023 20:29  
Operator : YP\AJ  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

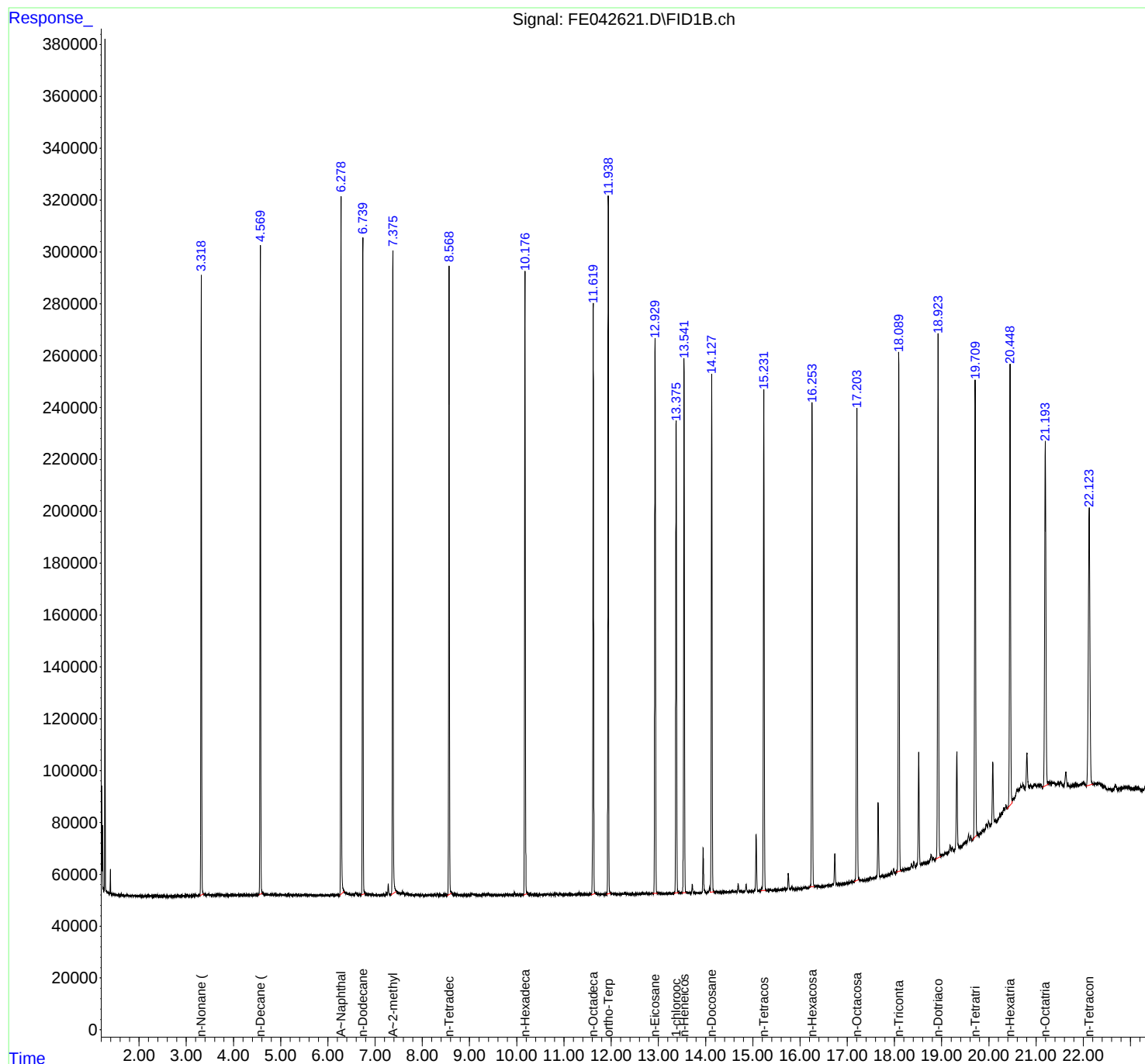
Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

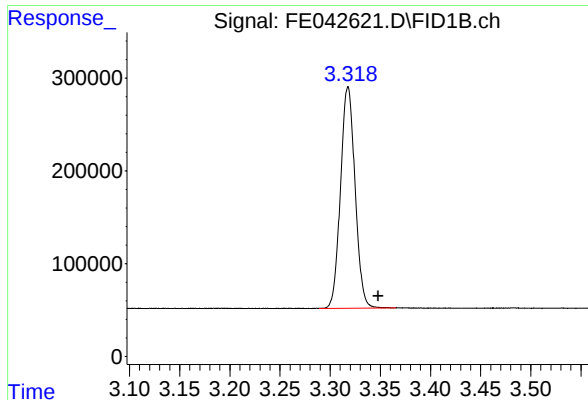
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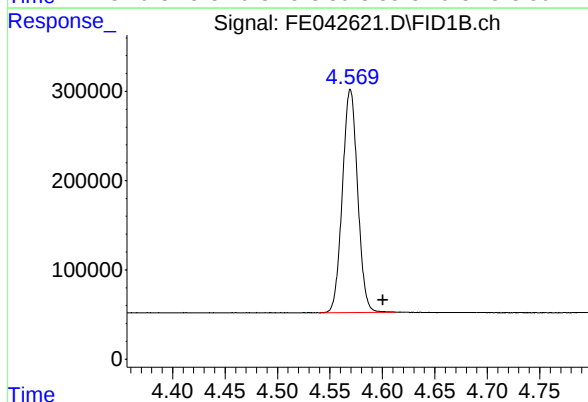
#1 n-Nonane (C9)

R.T.: 3.318 min  
Delta R.T.: -0.030 min  
Response: 2407028  
Conc: 16.69 ug/ml

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

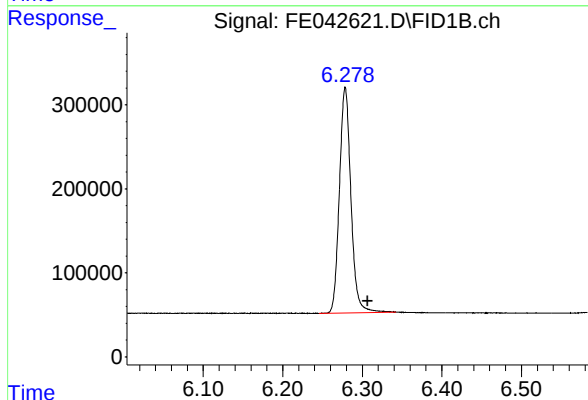
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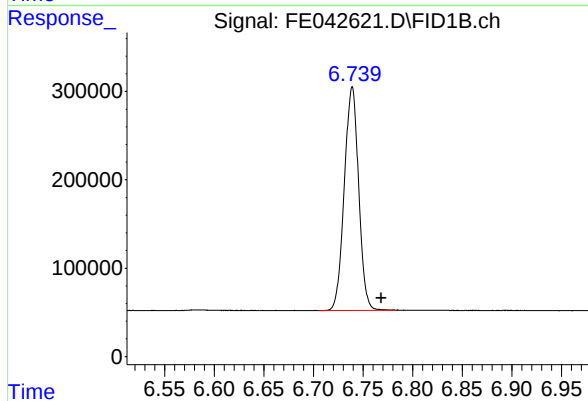
#2 n-Decane (C10)

R.T.: 4.569 min  
Delta R.T.: -0.031 min  
Response: 2522422  
Conc: 17.04 ug/ml



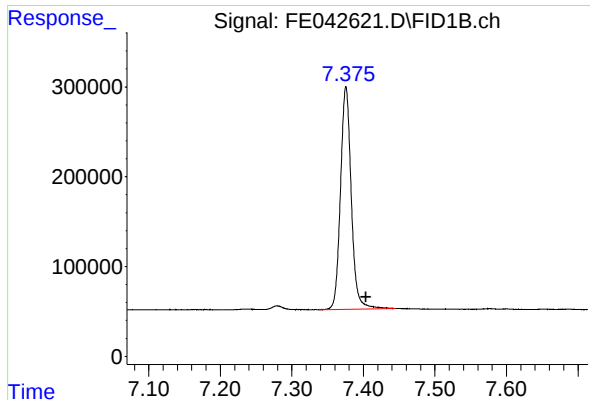
#3 A~Naphthalene (C11.7)

R.T.: 6.279 min  
Delta R.T.: -0.028 min  
Response: 2696188  
Conc: 16.52 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.739 min  
Delta R.T.: -0.029 min  
Response: 2552731  
Conc: 17.02 ug/ml



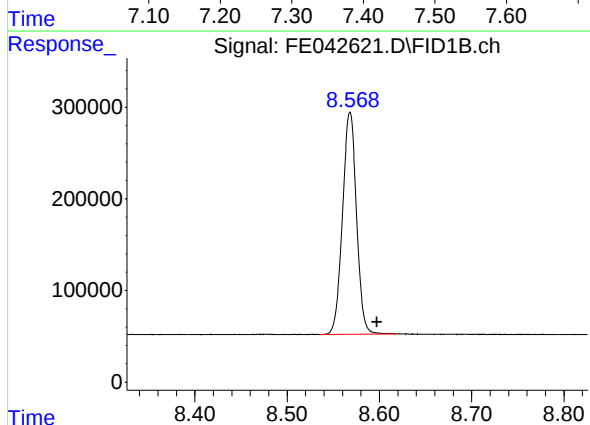
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.376 min  
Delta R.T.: -0.028 min  
Response: 2590148  
Conc: 16.32 ug/ml

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

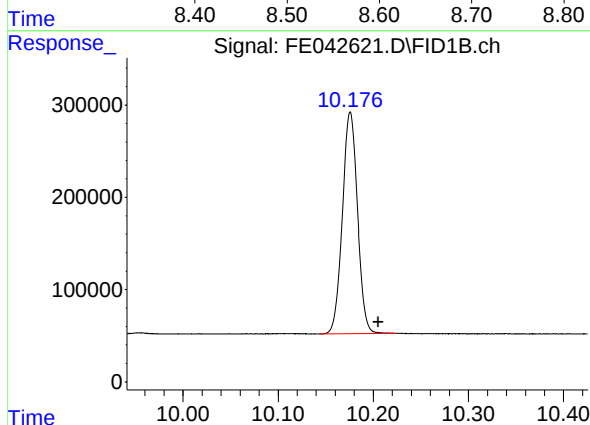
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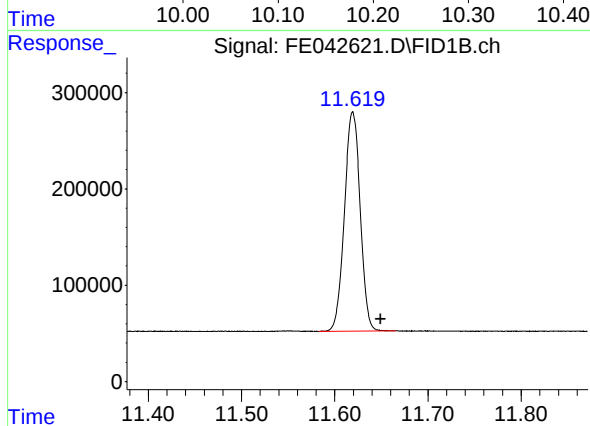
#6 n-Tetradecane (C14)

R.T.: 8.568 min  
Delta R.T.: -0.029 min  
Response: 2553480  
Conc: 17.05 ug/ml



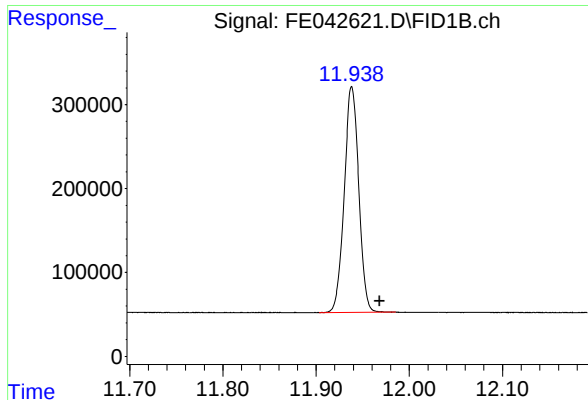
#7 n-Hexadecane (C16)

R.T.: 10.176 min  
Delta R.T.: -0.030 min  
Response: 2650381  
Conc: 17.01 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.619 min  
Delta R.T.: -0.030 min  
Response: 2674093  
Conc: 16.91 ug/ml



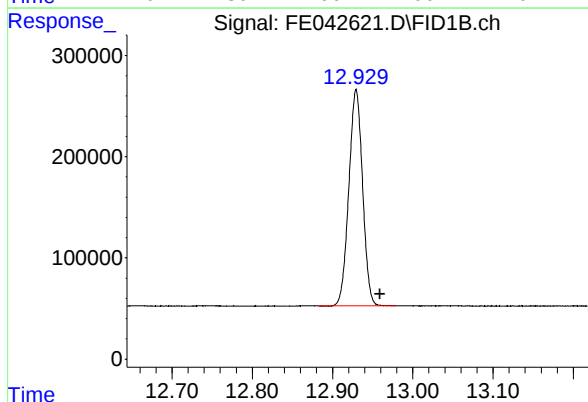
#9 ortho-Terphenyl (SURR)

R.T.: 11.938 min  
Delta R.T.: -0.030 min  
Response: 2904670  
Conc: 16.45 ug/ml

Instrument :  
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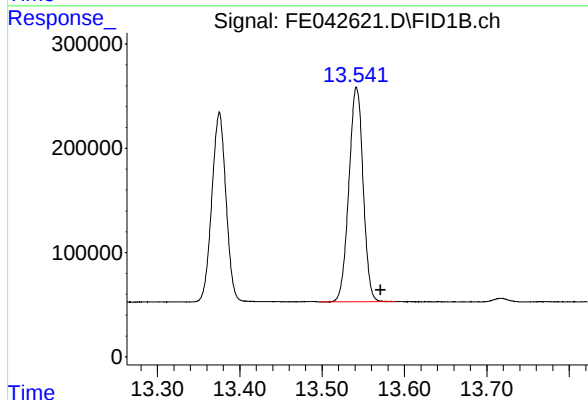
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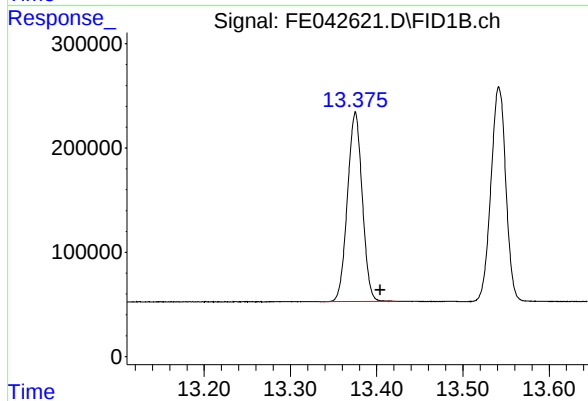
#10 n-Eicosane (C20)

R.T.: 12.929 min  
Delta R.T.: -0.030 min  
Response: 2543232  
Conc: 16.78 ug/ml



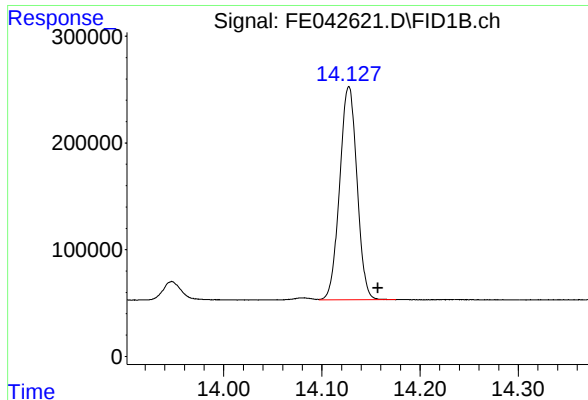
#11 n-Heneicosane (C21)

R.T.: 13.542 min  
Delta R.T.: -0.029 min  
Response: 2467117  
Conc: 16.65 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.375 min  
Delta R.T.: -0.029 min  
Response: 2161676  
Conc: 16.27 ug/ml



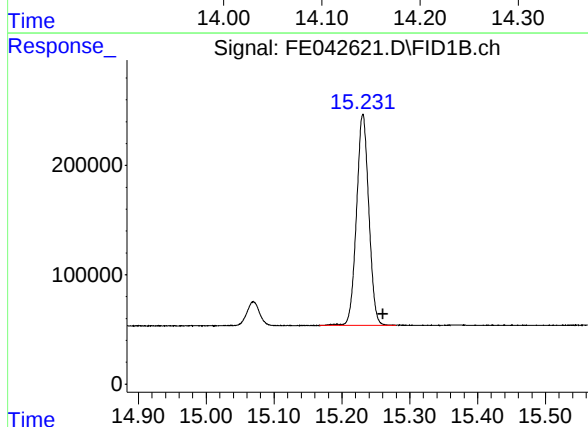
#13 n-Docosane (C22)

R.T.: 14.127 min  
Delta R.T.: -0.030 min  
Response: 2448999  
Conc: 16.71 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

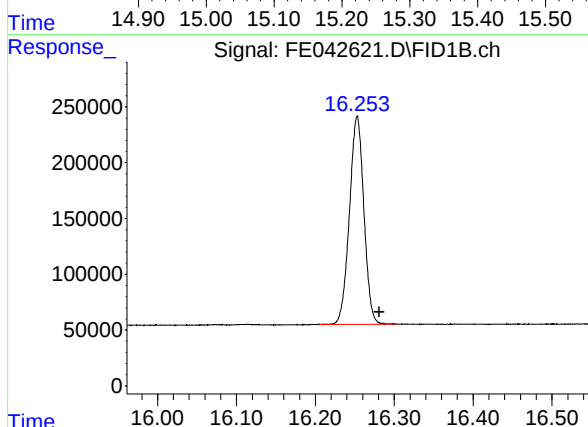
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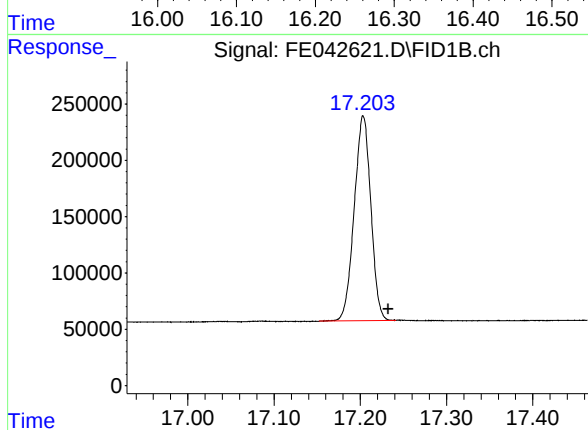
#14 n-Tetracosane (C24)

R.T.: 15.231 min  
Delta R.T.: -0.030 min  
Response: 2434083  
Conc: 16.86 ug/ml



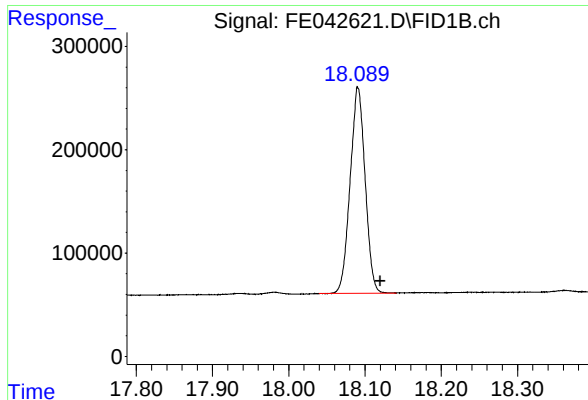
#15 n-Hexacosane (C26)

R.T.: 16.253 min  
Delta R.T.: -0.028 min  
Response: 2375017  
Conc: 17.15 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.203 min  
Delta R.T.: -0.029 min  
Response: 2437354  
Conc: 18.21 ug/ml



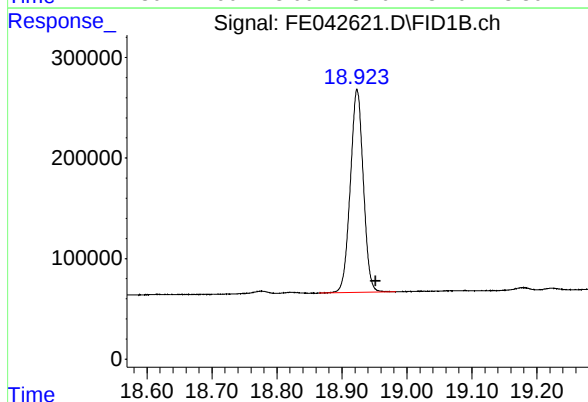
#17 n-Tricontane (C30)

R.T.: 18.091 min  
Delta R.T.: -0.029 min  
Response: 2721765  
Conc: 20.16 ug/ml

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20 PPM ALIPHATIC HC STD

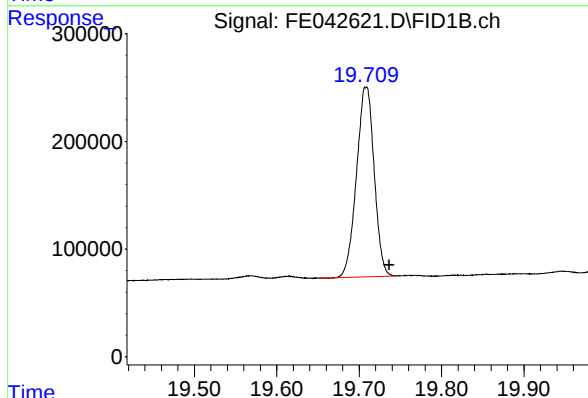
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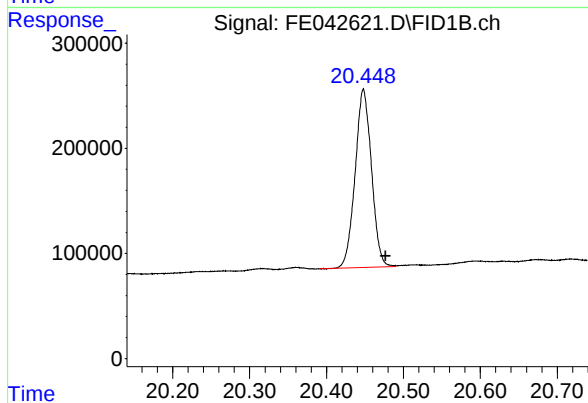
#18 n-Dotriacontane (C32)

R.T.: 18.923 min  
Delta R.T.: -0.029 min  
Response: 2812160  
Conc: 21.05 ug/ml



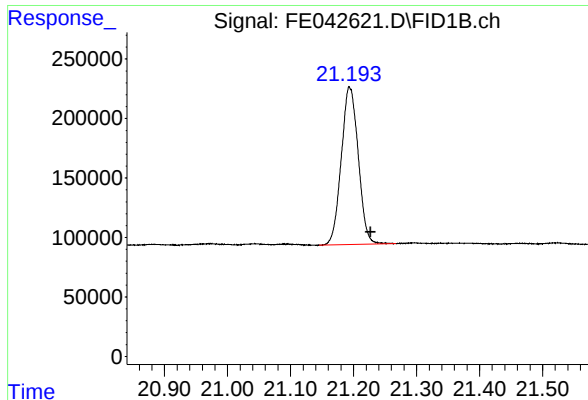
#19 n-Tetratriacontane (C34)

R.T.: 19.708 min  
Delta R.T.: -0.028 min  
Response: 2622077  
Conc: 19.94 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.448 min  
Delta R.T.: -0.029 min  
Response: 2508529  
Conc: 19.30 ug/ml



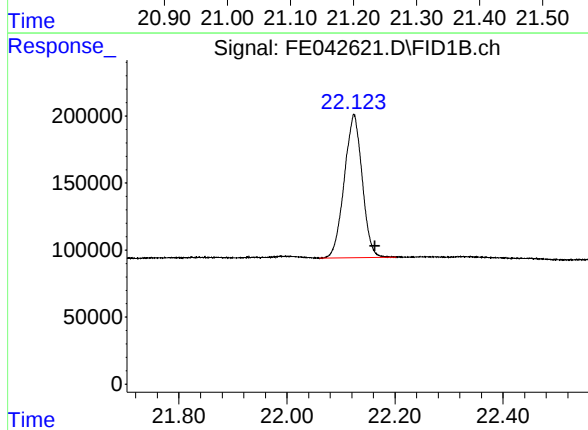
#21 n-Octatriacontane (C38)

R.T.: 21.193 min  
Delta R.T.: -0.035 min  
Response: 2476451  
Conc: 18.25 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.123 min  
Delta R.T.: -0.040 min  
Response: 2452200  
Conc: 17.63 ug/ml m