

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD122921AL\  
 Data File : FD040295.D  
 Signal(s) : FID2B.CH  
 Acq On : 30 Dec 2021 11:48  
 Operator : AJ\MA  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 52 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 12/30/2021  
 Supervised By :Ankita Jodhani 12/30/2021

Integration File: autoint1.e  
 Quant Time: Dec 30 12:19:39 2021  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aliphatic EPH 122821.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Dec 29 02:26:30 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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)    | 10.701 | 2959762    | 18.999 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 38.00%        |
| 12) S 1-chlorooctadecane (S... | 12.136 | 2259469    | 18.735 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 37.47%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 2.633  | 2653342    | 20.219 ug/ml  |
| 2) T n-Decane (C10)            | 3.625  | 2683330    | 20.272 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 5.164  | 2916604    | 19.767 ug/ml  |
| 4) T n-Dodecane (C12)          | 5.598  | 2694207    | 20.287 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 6.205  | 2916027    | 19.651 ug/ml  |
| 6) T n-Tetradecane (C14)       | 7.375  | 2737337    | 19.800 ug/ml  |
| 7) T n-Hexadecane (C16)        | 8.964  | 2725744    | 19.879 ug/ml  |
| 8) T n-Octadecane (C18)        | 10.395 | 2763141    | 19.567 ug/ml  |
| 10) T n-Eicosane (C20)         | 11.698 | 2703153    | 19.335 ug/ml  |
| 11) T n-Heneicosane (C21)      | 12.305 | 2691688    | 19.024 ug/ml  |
| 13) T n-Docosane (C22)         | 12.888 | 2696356    | 19.213 ug/ml  |
| 14) T n-Tetracosane (C24)      | 13.984 | 2729303    | 19.439 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.000 | 2639419    | 19.195 ug/ml  |
| 16) T n-Octacosane (C28)       | 15.944 | 2627204    | 19.313 ug/ml  |
| 17) T n-Tricontane (C30)       | 16.828 | 2548389    | 19.042 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 17.654 | 2369495    | 18.305 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 18.436 | 2145344    | 17.694 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 19.172 | 1899832    | 17.827 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 19.874 | 1754722    | 19.001 ug/mlm |
| 22) T n-Tetracontane (C40)     | 20.699 | 1698962    | 21.819 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Misc :  
ALS Vial : 52 Sample Multiplier: 1

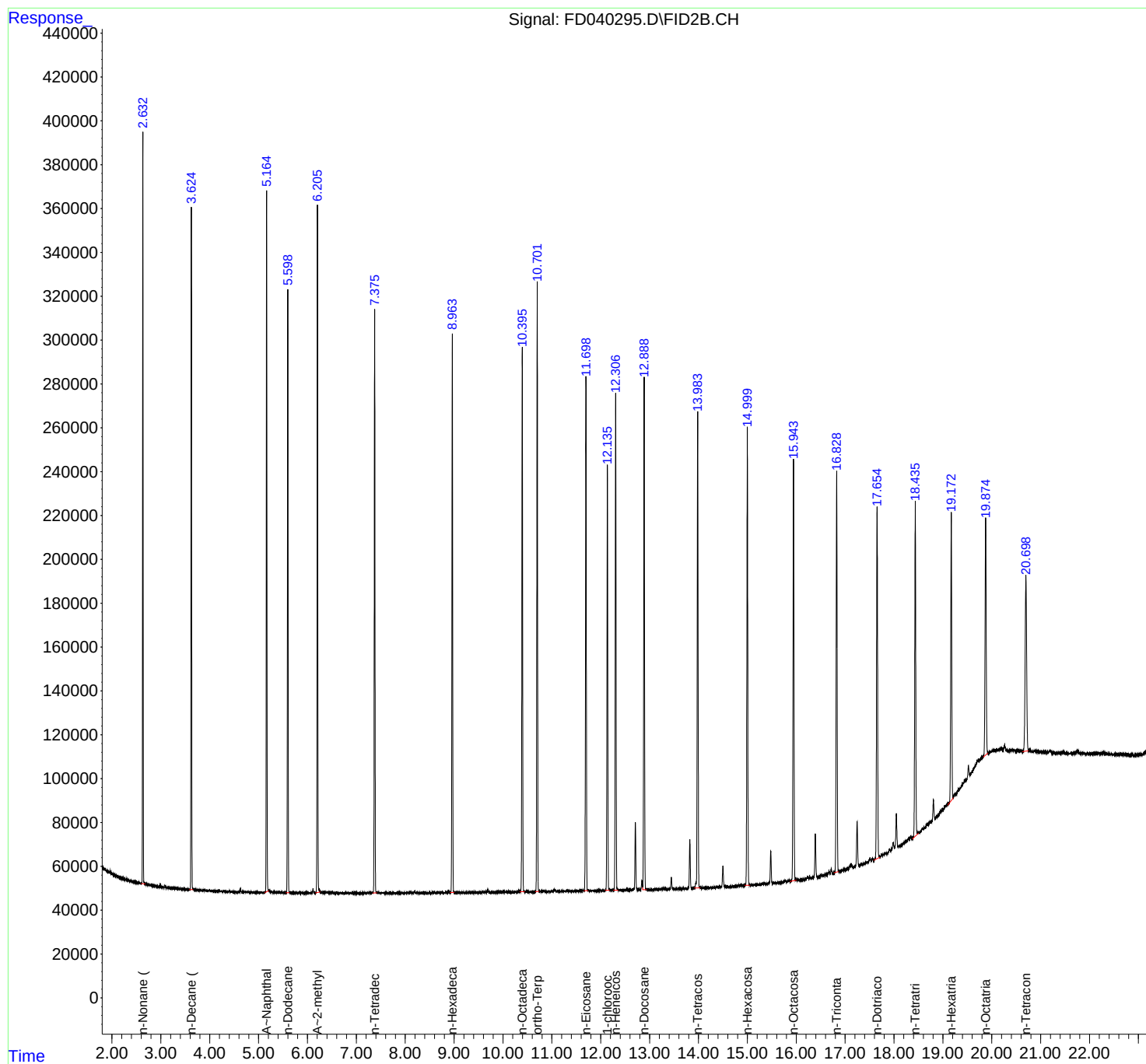
Instrument :  
FID\_D  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

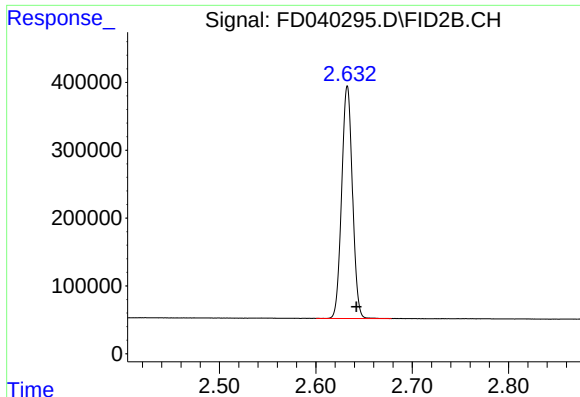
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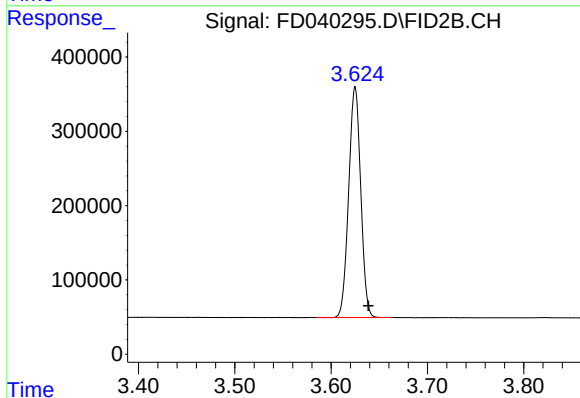
#1 n-Nonane (C9)

R.T.: 2.633 min  
Delta R.T.: -0.009 min  
Response: 2653342  
Conc: 20.22 ug/ml

Instrument :  
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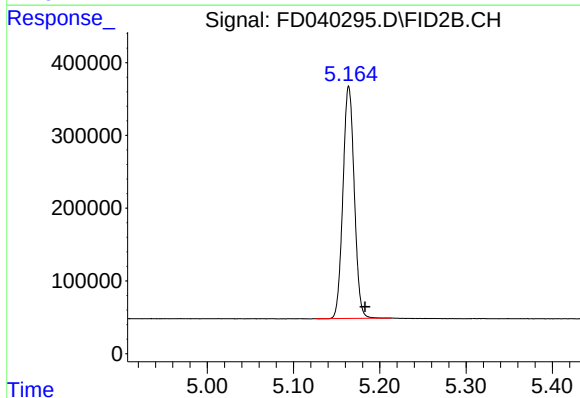
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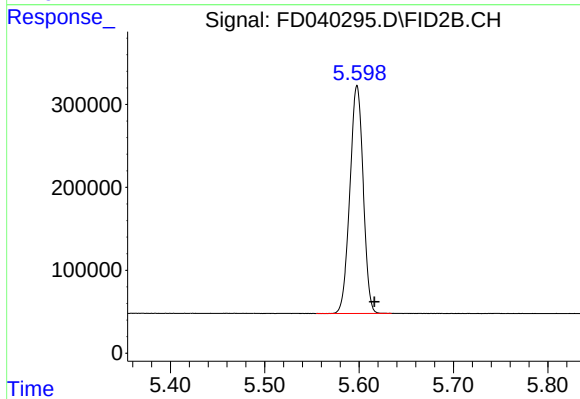
#2 n-Decane (C10)

R.T.: 3.625 min  
Delta R.T.: -0.014 min  
Response: 2683330  
Conc: 20.27 ug/ml



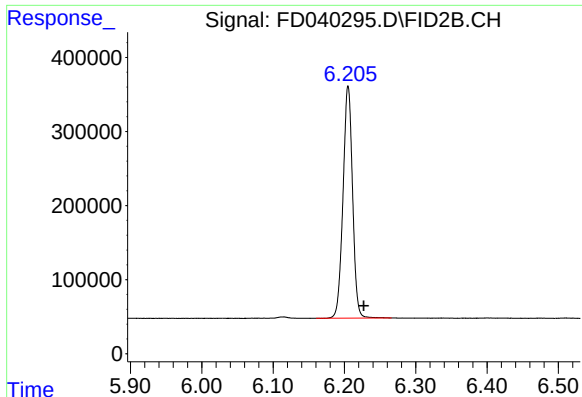
#3 A~Naphthalene (C11.7)

R.T.: 5.164 min  
Delta R.T.: -0.019 min  
Response: 2916604  
Conc: 19.77 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.598 min  
Delta R.T.: -0.018 min  
Response: 2694207  
Conc: 20.29 ug/ml



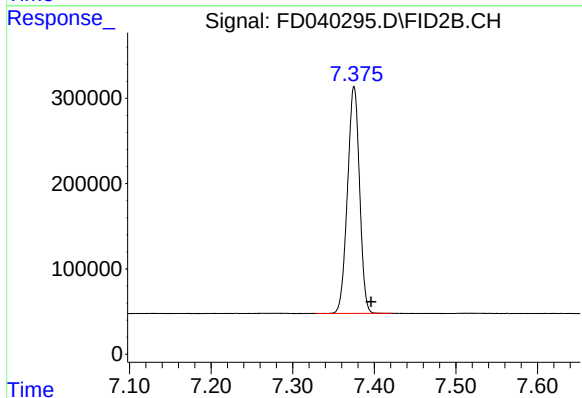
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.205 min  
Delta R.T.: -0.022 min  
Response: 2916027  
Conc: 19.65 ug/ml

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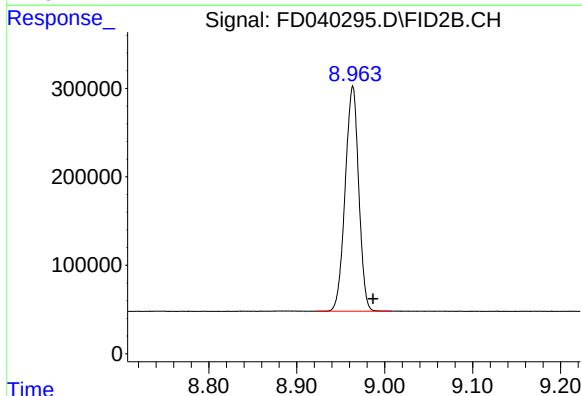
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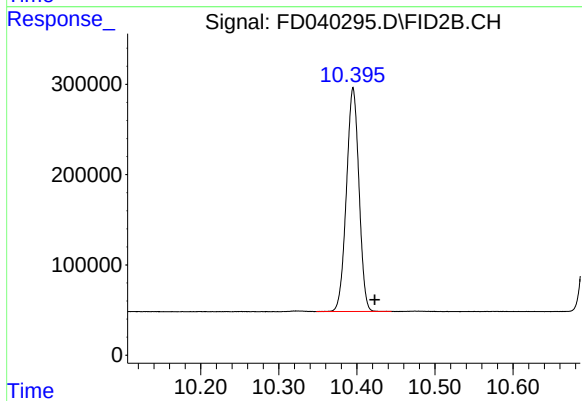
#6 n-Tetradecane (C14)

R.T.: 7.375 min  
Delta R.T.: -0.021 min  
Response: 2737337  
Conc: 19.80 ug/ml



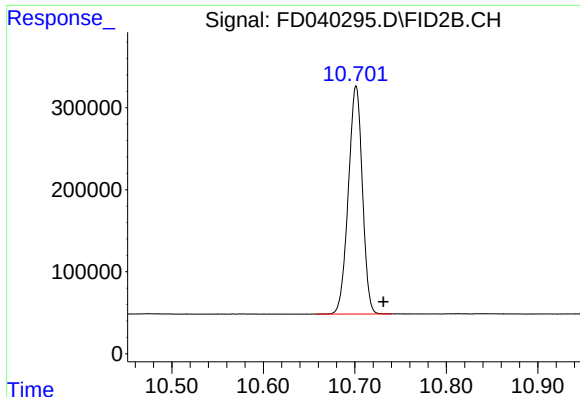
#7 n-Hexadecane (C16)

R.T.: 8.964 min  
Delta R.T.: -0.023 min  
Response: 2725744  
Conc: 19.88 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.395 min  
Delta R.T.: -0.028 min  
Response: 2763141  
Conc: 19.57 ug/ml



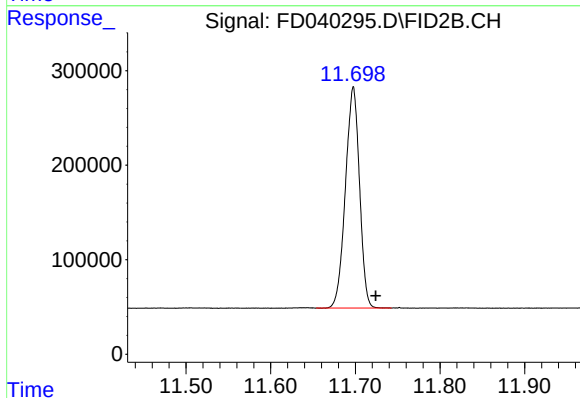
#9 ortho-Terphenyl (SURR)

R.T.: 10.701 min  
Delta R.T.: -0.030 min  
Response: 2959762  
Conc: 19.00 ug/ml

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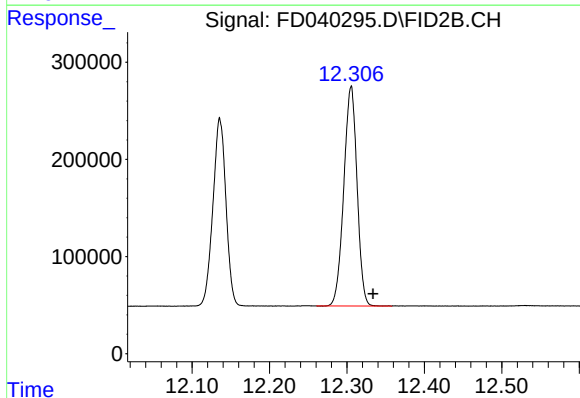
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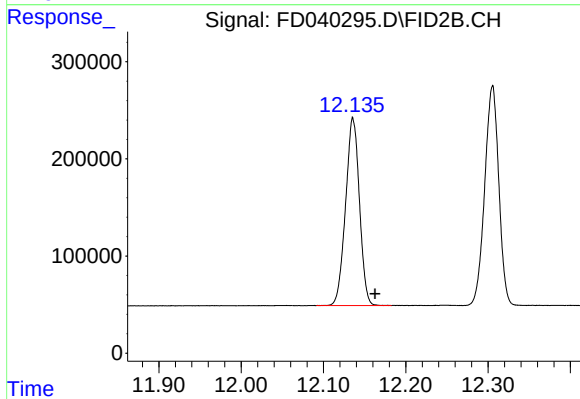
#10 n-Eicosane (C20)

R.T.: 11.698 min  
Delta R.T.: -0.026 min  
Response: 2703153  
Conc: 19.34 ug/ml



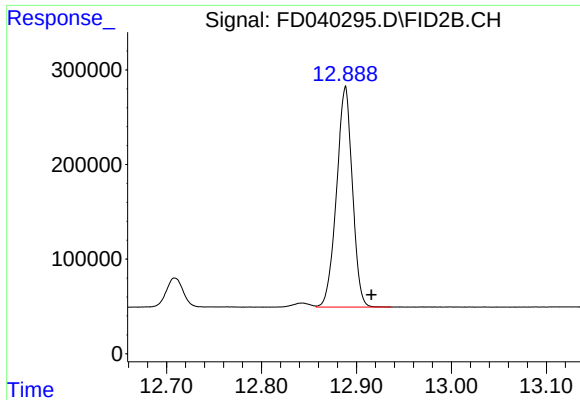
#11 n-Heneicosane (C21)

R.T.: 12.305 min  
Delta R.T.: -0.028 min  
Response: 2691688  
Conc: 19.02 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.136 min  
Delta R.T.: -0.027 min  
Response: 2259469  
Conc: 18.74 ug/ml



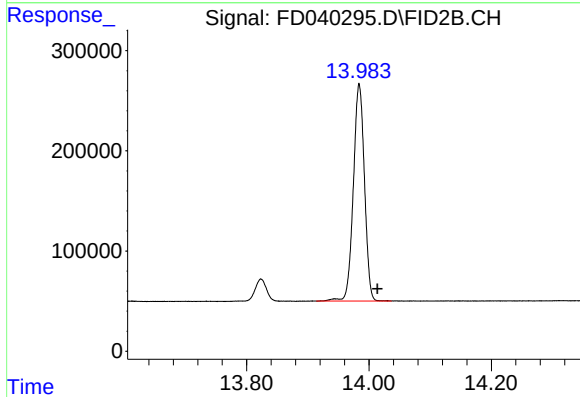
#13 n-Docosane (C22)

R.T.: 12.888 min  
Delta R.T.: -0.027 min  
Response: 2696356  
Conc: 19.21 ug/ml

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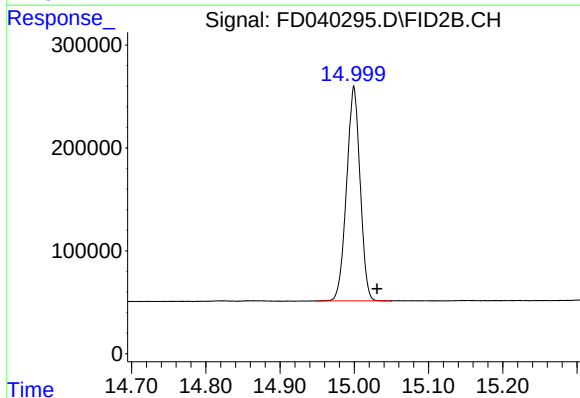
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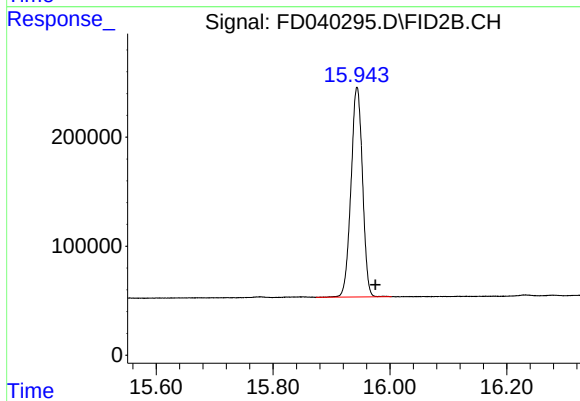
#14 n-Tetracosane (C24)

R.T.: 13.984 min  
Delta R.T.: -0.030 min  
Response: 2729303  
Conc: 19.44 ug/ml



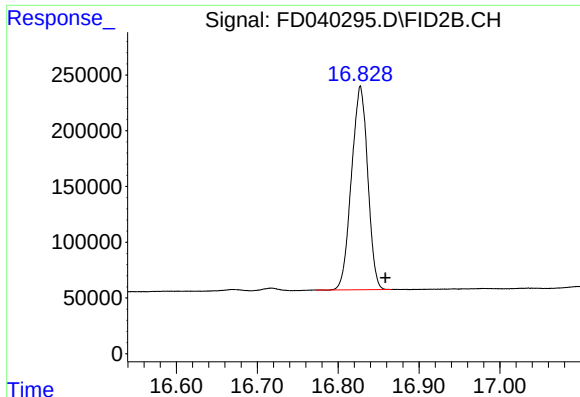
#15 n-Hexacosane (C26)

R.T.: 15.000 min  
Delta R.T.: -0.031 min  
Response: 2639419  
Conc: 19.19 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.944 min  
Delta R.T.: -0.031 min  
Response: 2627204  
Conc: 19.31 ug/ml



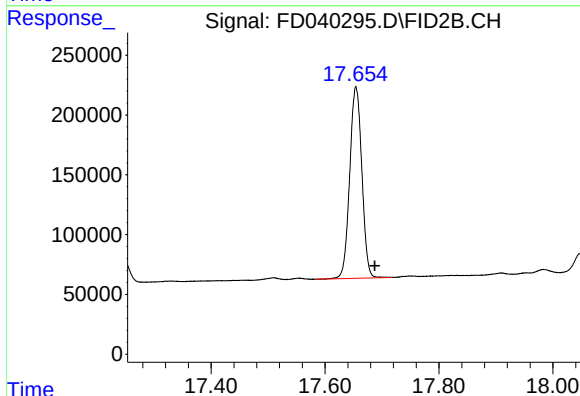
#17 n-Tricontane (C30)

R.T.: 16.828 min  
Delta R.T.: -0.031 min  
Response: 2548389  
Conc: 19.04 ug/ml

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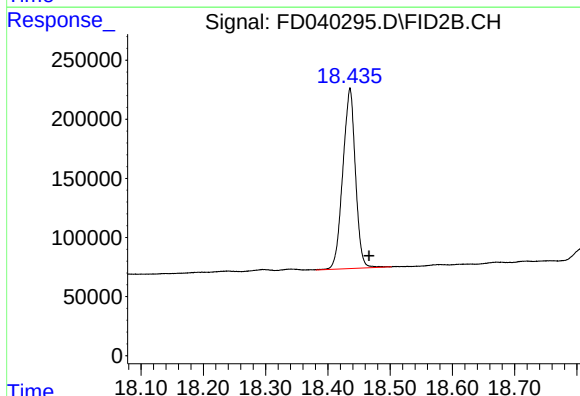
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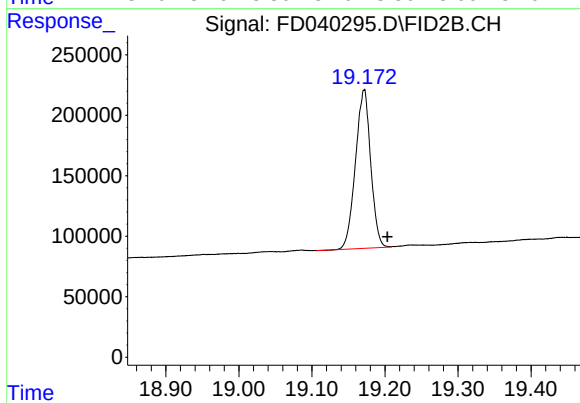
#18 n-Dotriacontane (C32)

R.T.: 17.654 min  
Delta R.T.: -0.033 min  
Response: 2369495  
Conc: 18.31 ug/ml



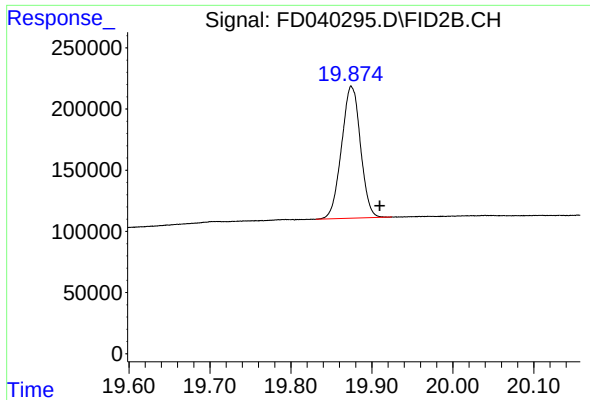
#19 n-Tetratriacontane (C34)

R.T.: 18.436 min  
Delta R.T.: -0.031 min  
Response: 2145344  
Conc: 17.69 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.172 min  
Delta R.T.: -0.032 min  
Response: 1899832  
Conc: 17.83 ug/ml



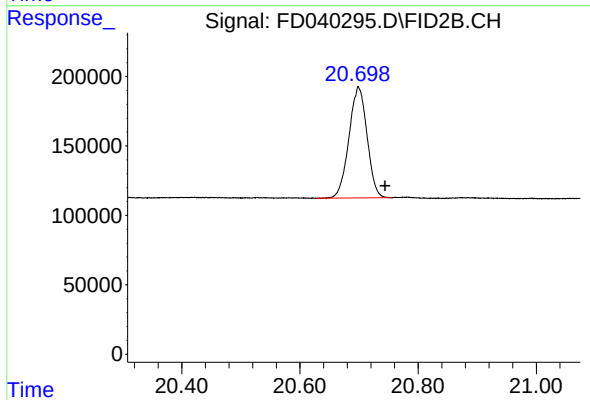
#21 n-Octatriacontane (C38)

R.T.: 19.874 min  
Delta R.T.: -0.036 min  
Response: 1754722  
Conc: 19.00 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.699 min  
Delta R.T.: -0.045 min  
Response: 1698962  
Conc: 21.82 ug/ml