

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD081221AL\  
 Data File : FD038534.D  
 Signal(s) : FID2B.CH  
 Acq On : 12 Aug 2021 23:57  
 Operator : AJ\MA  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 53 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

mohammad  
 8/13/2021 10:10:10 AM

Integration File: autoint1.e  
 Quant Time: Aug 13 02:05:49 2021  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Alaphatic EPH 080321.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Aug 04 03:20:37 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)    | 11.367 | 2664280    | 19.518 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 39.04%        |
| 12) S 1-chlorooctadecane (S... | 12.804 | 2069458    | 19.245 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 38.49%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.193  | 2478849    | 21.114 ug/ml  |
| 2) T n-Decane (C10)            | 4.245  | 2520978    | 21.382 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 5.810  | 2793242    | 21.398 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.248  | 2553612    | 21.506 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 6.861  | 2810986    | 21.481 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.033  | 2582739    | 21.251 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.625  | 2569506    | 21.024 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.060 | 2585949    | 20.539 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.363 | 2500929    | 19.840 ug/ml  |
| 11) T n-Heneicosane (C21)      | 12.972 | 2483934    | 19.458 ug/ml  |
| 13) T n-Docosane (C22)         | 13.556 | 2443823    | 19.197 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.654 | 2417533    | 18.794 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.671 | 2293563    | 18.010 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.615 | 2246785    | 17.610 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.498 | 2189957    | 17.285 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.326 | 2121268    | 17.263 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.104 | 2116025    | 17.730 ug/mlm |
| 20) T n-Hexatriacontane (C36)  | 19.841 | 2133387    | 19.141 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 20.541 | 2195753    | 21.240 ug/mlm |
| 22) T n-Tetracontane (C40)     | 21.354 | 2330941    | 23.224 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : AJ\MA  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 53 Sample Multiplier: 1

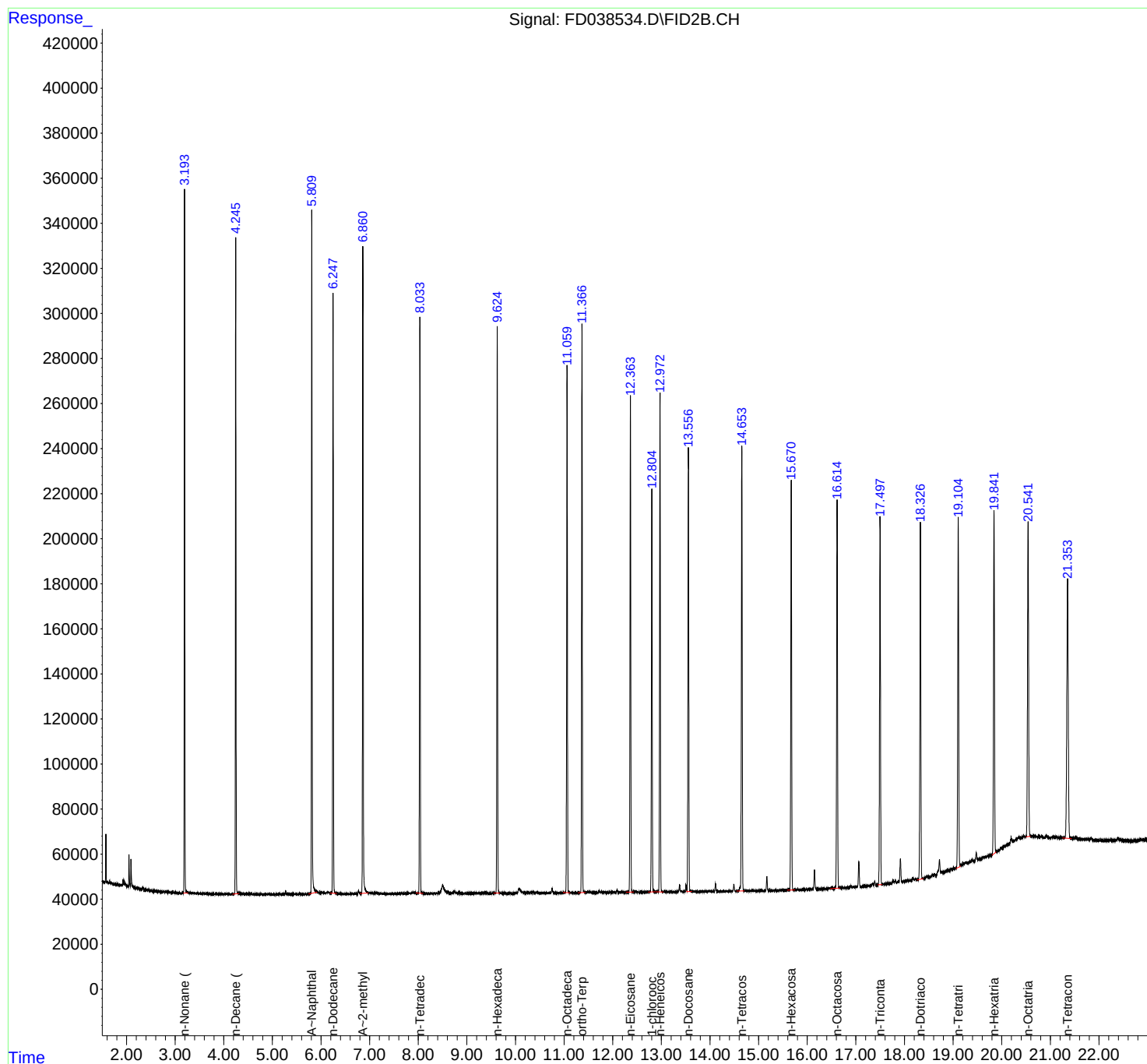
Instrument :  
FID\_D  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

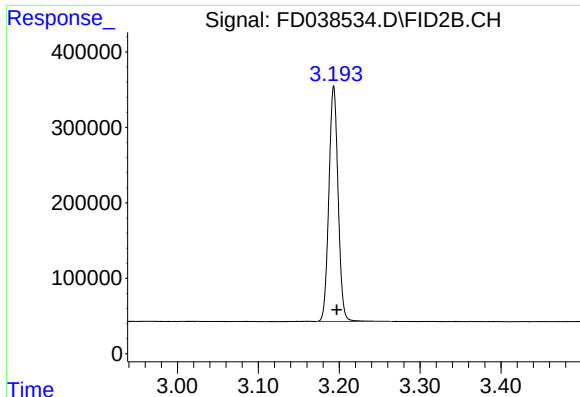
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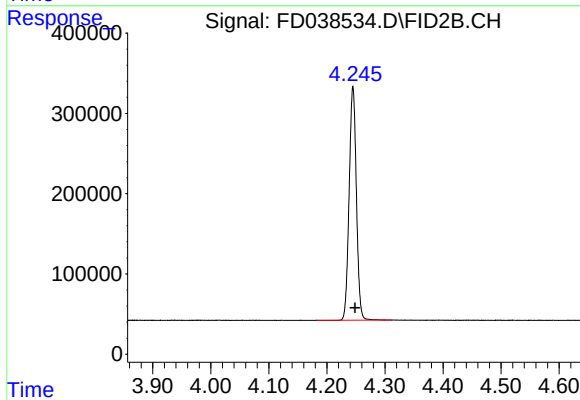
#1 n-Nonane (C9)

R.T.: 3.193 min  
Delta R.T.: -0.004 min  
Response: 2478849  
Conc: 21.11 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

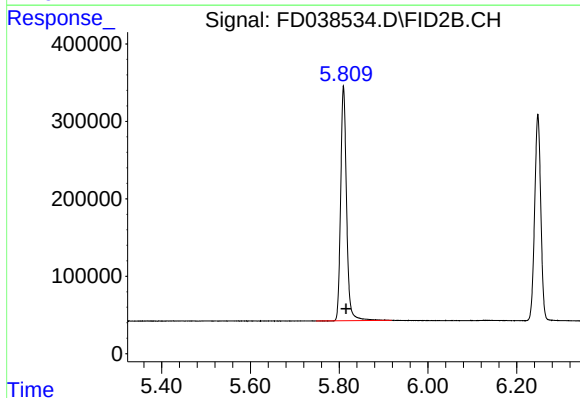
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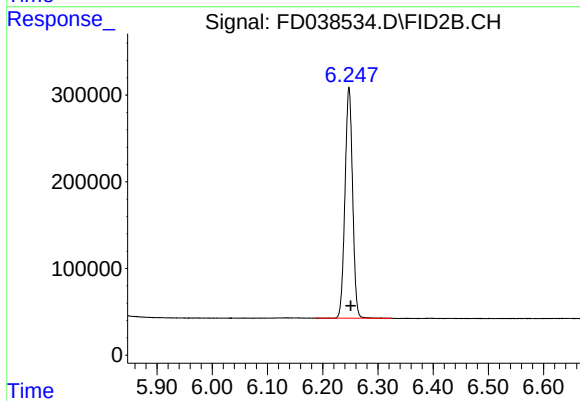
#2 n-Decane (C10)

R.T.: 4.245 min  
Delta R.T.: -0.004 min  
Response: 2520978  
Conc: 21.38 ug/ml



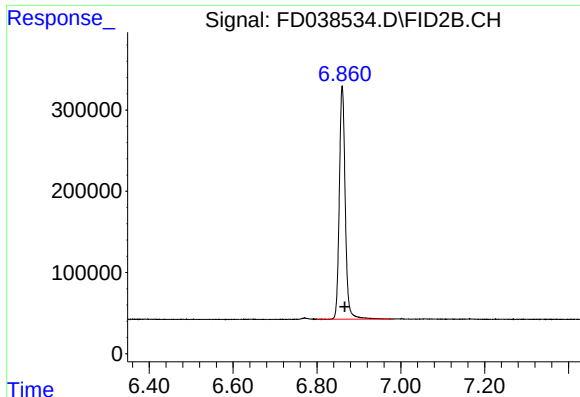
#3 A~Naphthalene (C11.7)

R.T.: 5.810 min  
Delta R.T.: -0.006 min  
Response: 2793242  
Conc: 21.40 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.248 min  
Delta R.T.: -0.003 min  
Response: 2553612  
Conc: 21.51 ug/ml



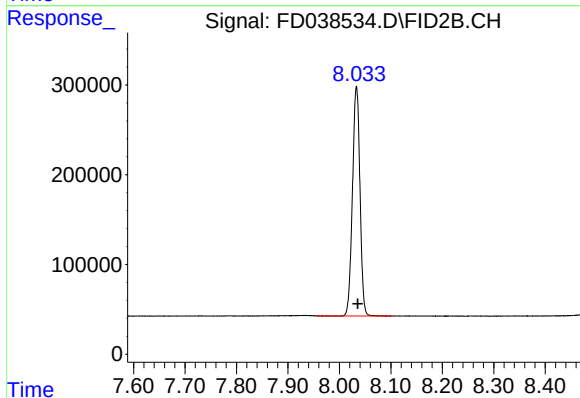
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.861 min  
Delta R.T.: -0.006 min  
Response: 2810986  
Conc: 21.48 ug/ml

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20 PPM ALIPHATIC HC STD

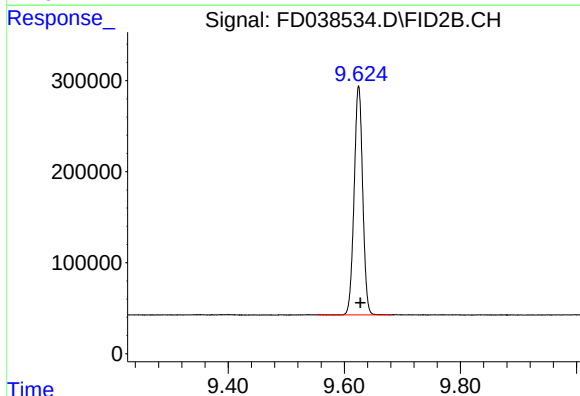
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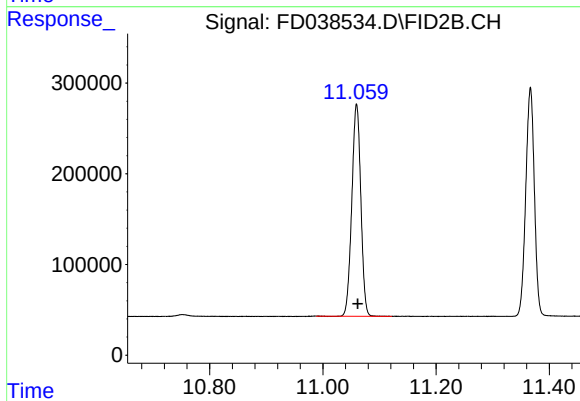
#6 n-Tetradecane (C14)

R.T.: 8.033 min  
Delta R.T.: -0.003 min  
Response: 2582739  
Conc: 21.25 ug/ml



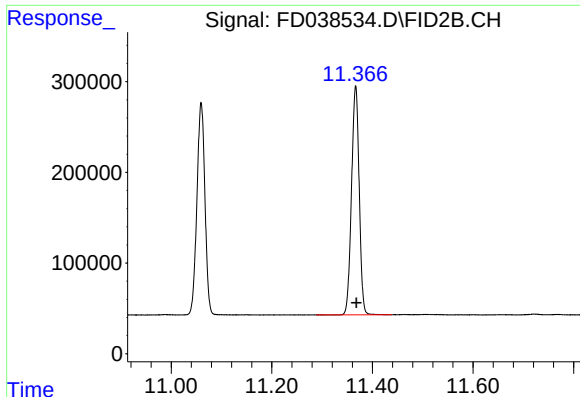
#7 n-Hexadecane (C16)

R.T.: 9.625 min  
Delta R.T.: -0.003 min  
Response: 2569506  
Conc: 21.02 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.060 min  
Delta R.T.: -0.002 min  
Response: 2585949  
Conc: 20.54 ug/ml



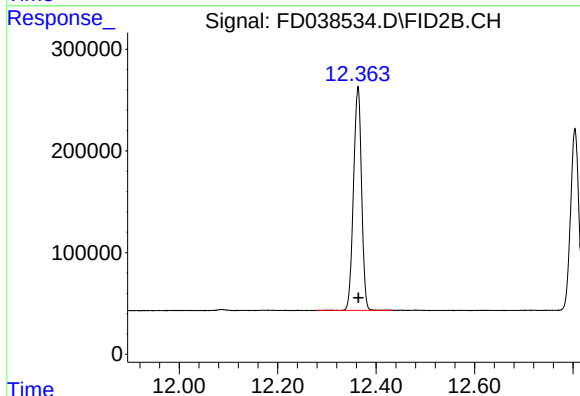
#9 ortho-Terphenyl (SURR)

R.T.: 11.367 min  
Delta R.T.: -0.001 min  
Response: 2664280  
Conc: 19.52 ug/ml

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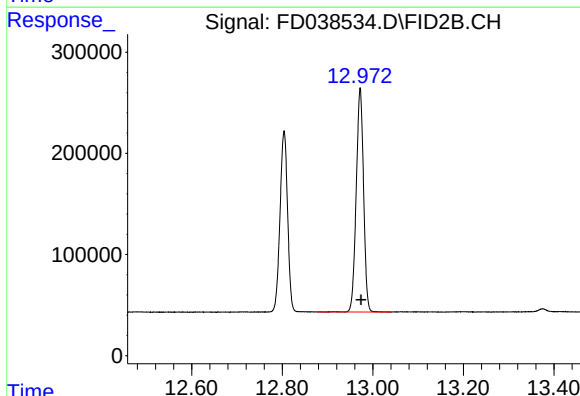
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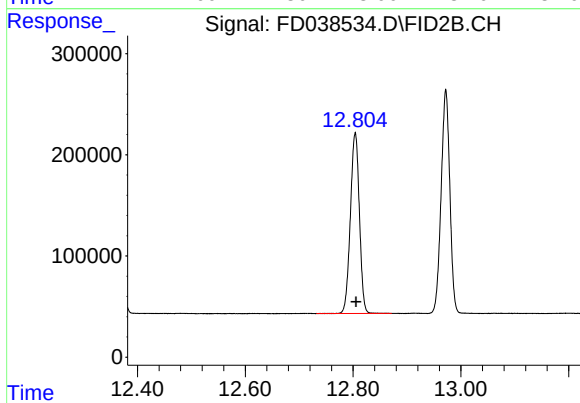
#10 n-Eicosane (C20)

R.T.: 12.363 min  
Delta R.T.: -0.001 min  
Response: 2500929  
Conc: 19.84 ug/ml



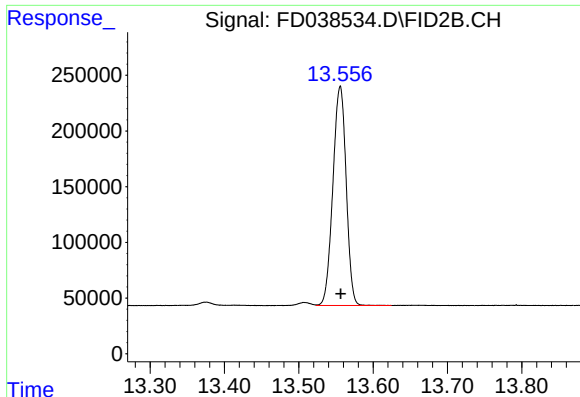
#11 n-Heneicosane (C21)

R.T.: 12.972 min  
Delta R.T.: -0.002 min  
Response: 2483934  
Conc: 19.46 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.804 min  
Delta R.T.: -0.002 min  
Response: 2069458  
Conc: 19.24 ug/ml



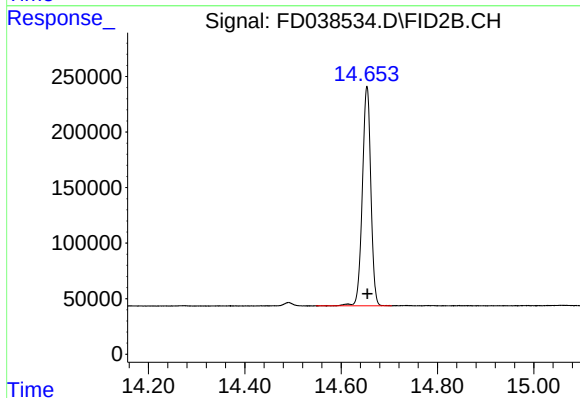
#13 n-Docosane (C22)

R.T.: 13.556 min  
Delta R.T.: 0.000 min  
Response: 2443823  
Conc: 19.20 ug/ml

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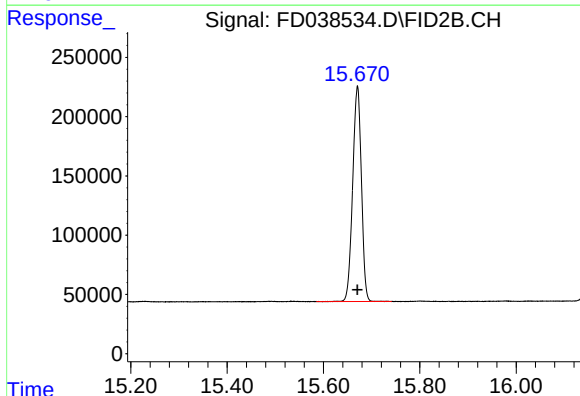
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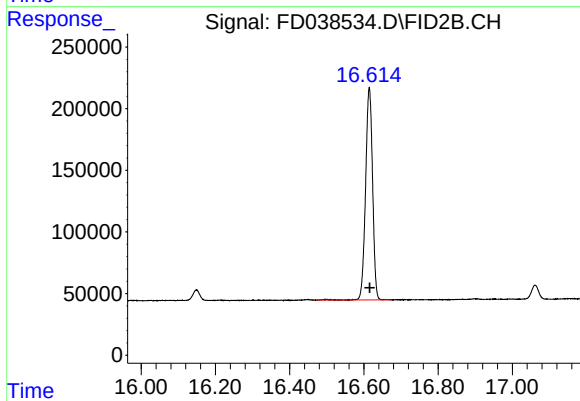
#14 n-Tetracosane (C24)

R.T.: 14.654 min  
Delta R.T.: 0.000 min  
Response: 2417533  
Conc: 18.79 ug/ml



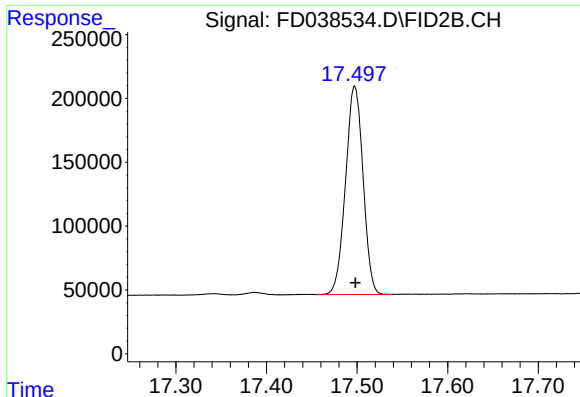
#15 n-Hexacosane (C26)

R.T.: 15.671 min  
Delta R.T.: 0.000 min  
Response: 2293563  
Conc: 18.01 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.615 min  
Delta R.T.: -0.001 min  
Response: 2246785  
Conc: 17.61 ug/ml



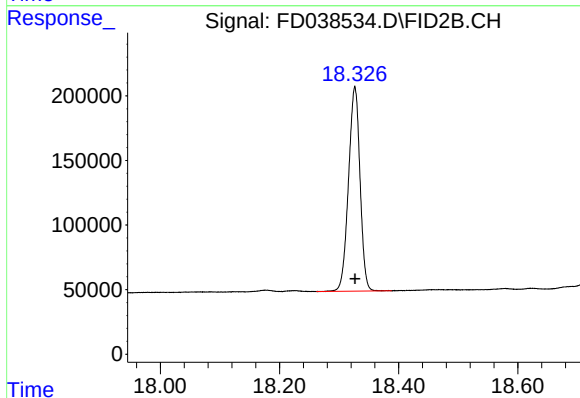
#17 n-Tricontane (C30)

R.T.: 17.498 min  
Delta R.T.: 0.000 min  
Response: 2189957  
Conc: 17.28 ug/ml

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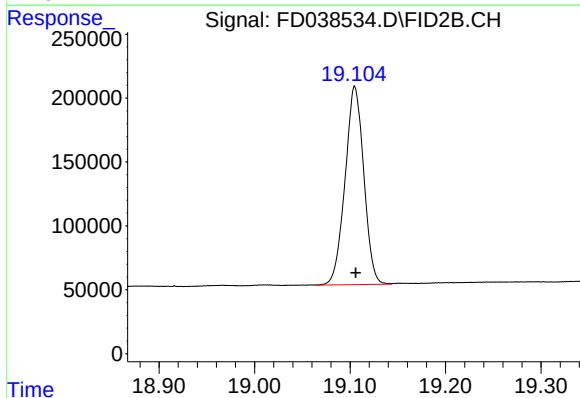
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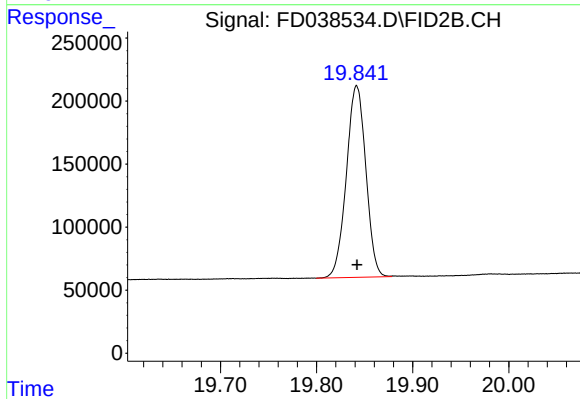
#18 n-Dotriacontane (C32)

R.T.: 18.326 min  
Delta R.T.: 0.000 min  
Response: 2121268  
Conc: 17.26 ug/ml



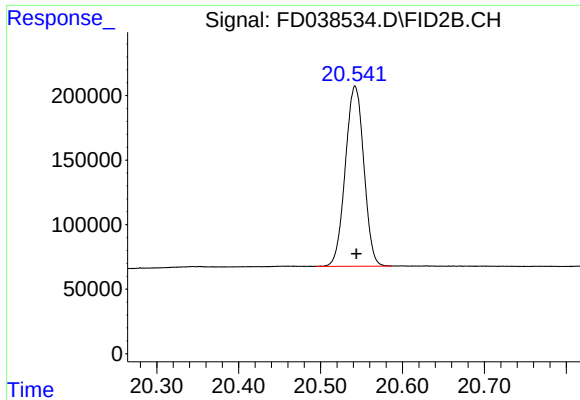
#19 n-Tetratriacontane (C34)

R.T.: 19.104 min  
Delta R.T.: -0.002 min  
Response: 2116025  
Conc: 17.73 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.841 min  
Delta R.T.: -0.001 min  
Response: 2133387  
Conc: 19.14 ug/ml m



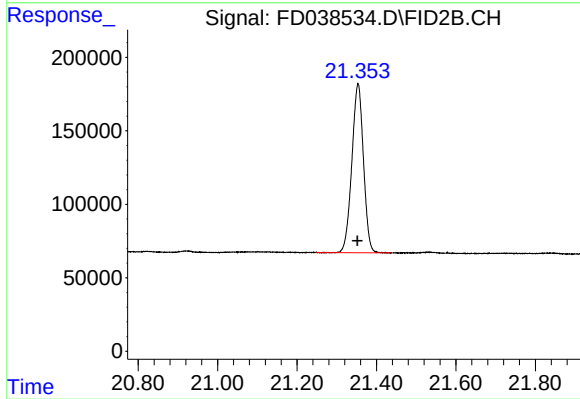
#21 n-Octatriacontane (C38)

R.T.: 20.541 min  
Delta R.T.: -0.002 min  
Response: 2195753  
Conc: 21.24 ug/ml m

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#22 n-Tetracontane (C40)

R.T.: 21.354 min  
Delta R.T.: 0.001 min  
Response: 2330941  
Conc: 23.22 ug/ml