

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_D\Data\FD050622AL\  
 Data File : FD042371.D  
 Signal(s) : FID2B.CH  
 Acq On : 07 May 2022 7:25  
 Operator : UA/NP  
 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

Reviewed By :Yogesh Patel 05/09/2022  
 Supervised By :mohammad ahmed 05/10/2022

Integration File: autoint1.e  
 Quant Time: May 09 00:51:33 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_D\methods\Aliphatic EPH 042122.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Apr 22 01:55:29 2022  
 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)    | 11.212 | 3390933    | 20.219 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 40.44%        |
| 12) S 1-chlorooctadecane (S... | 12.650 | 2615281    | 19.819 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 39.64%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.086  | 3068706    | 22.514 ug/ml  |
| 2) T n-Decane (C10)            | 4.130  | 3053066    | 22.782 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 5.681  | 3165229    | 21.836 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.124  | 3136513    | 22.031 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 6.726  | 3117607    | 22.372 ug/ml  |
| 6) T n-Tetradecane (C14)       | 7.899  | 3121650    | 21.915 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.484  | 3116936    | 21.449 ug/ml  |
| 8) T n-Octadecane (C18)        | 10.915 | 3122227    | 20.832 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.213 | 3073334    | 20.079 ug/ml  |
| 11) T n-Heneicosane (C21)      | 12.821 | 3061970    | 19.861 ug/ml  |
| 13) T n-Docosane (C22)         | 13.404 | 3068593    | 19.907 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.499 | 3079817    | 19.914 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.514 | 3025880    | 19.672 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.457 | 3033184    | 19.839 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.340 | 2983808    | 19.892 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.166 | 2826332    | 19.988 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 18.946 | 2601489    | 20.215 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 19.684 | 2439382    | 21.557 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 20.379 | 2378680    | 23.840 ug/mlm |
| 22) T n-Tetracontane (C40)     | 21.153 | 2373101    | 26.310 ug/mlm |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 53 Sample Multiplier: 1

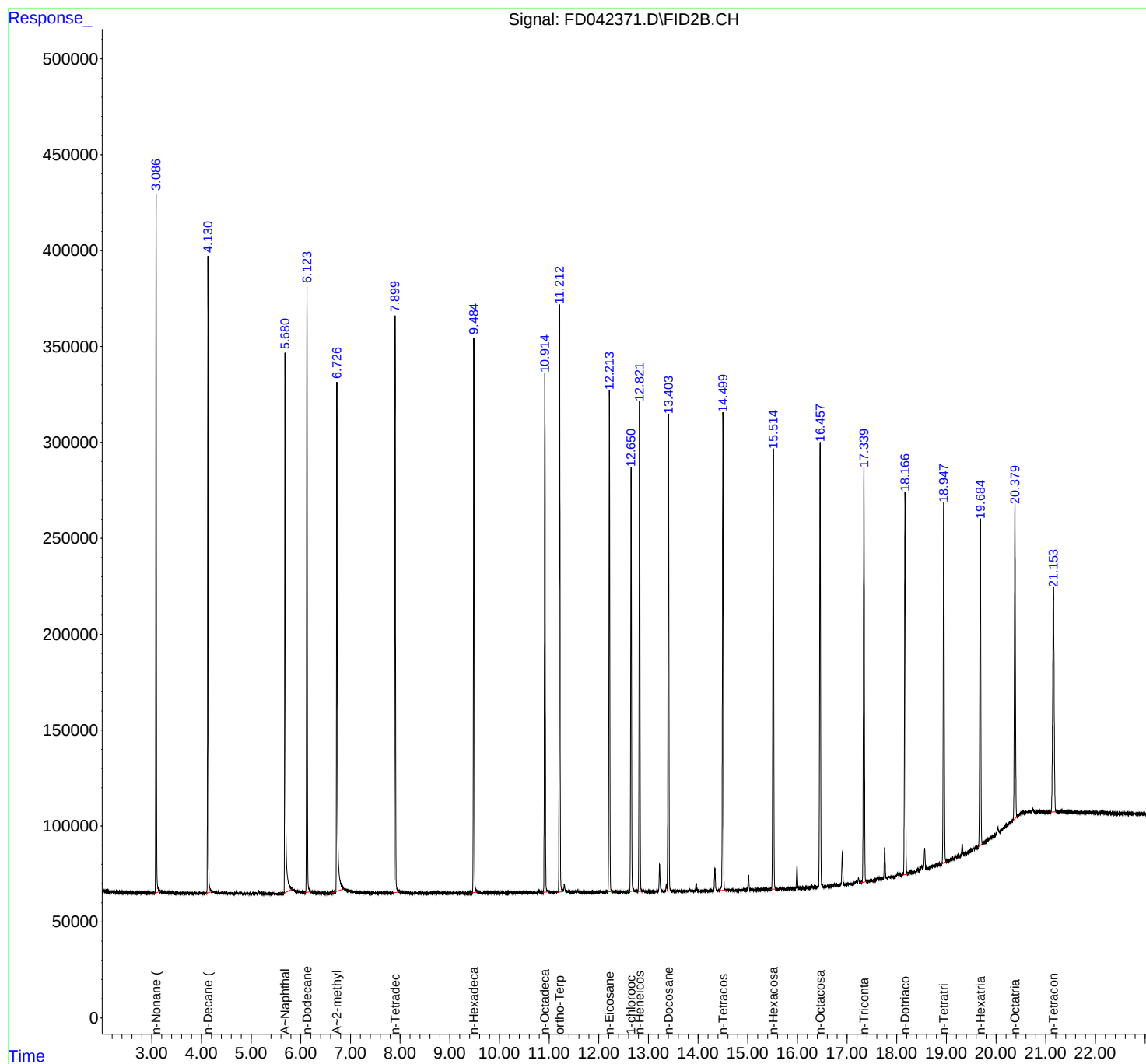
Instrument :  
FID\_D  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

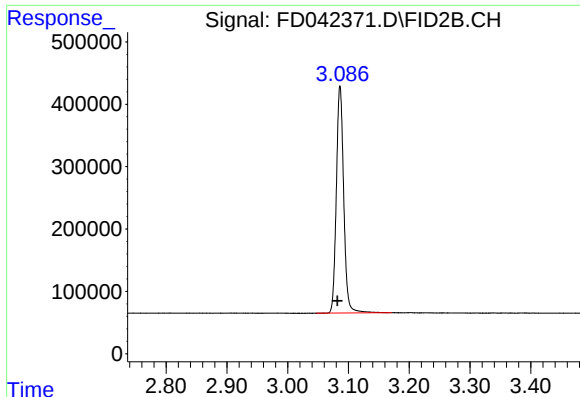
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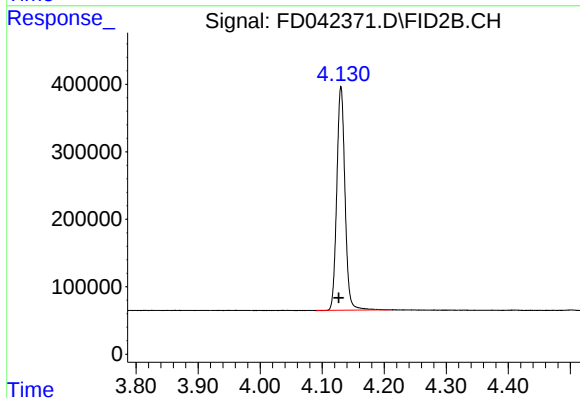
#1 n-Nonane (C9)

R.T.: 3.086 min  
Delta R.T.: 0.004 min  
Response: 3068706  
Conc: 22.51 ug/ml

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20 PPM ALIPHATIC HC STD

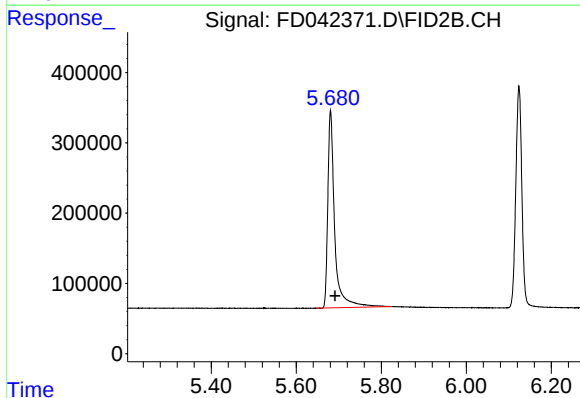
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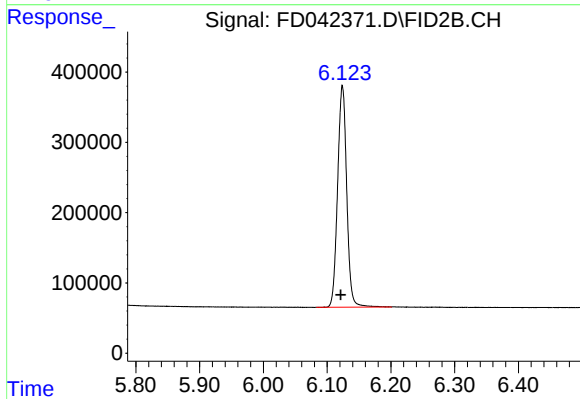
#2 n-Decane (C10)

R.T.: 4.130 min  
Delta R.T.: 0.004 min  
Response: 3053066  
Conc: 22.78 ug/ml



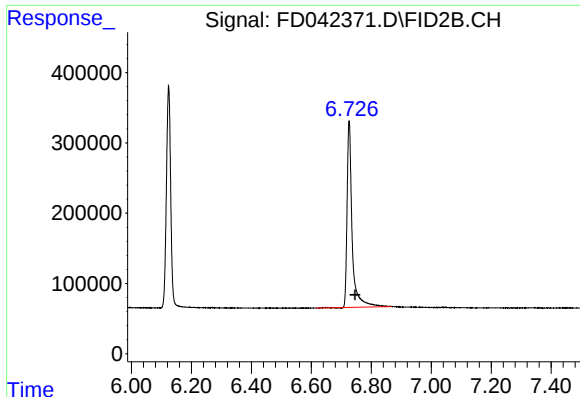
#3 A~Naphthalene (C11.7)

R.T.: 5.681 min  
Delta R.T.: -0.010 min  
Response: 3165229  
Conc: 21.84 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.124 min  
Delta R.T.: 0.003 min  
Response: 3136513  
Conc: 22.03 ug/ml



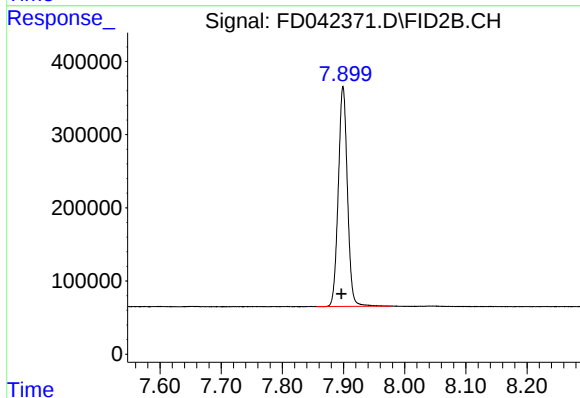
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.726 min  
Delta R.T.: -0.020 min  
Response: 3117607  
Conc: 22.37 ug/ml

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20 PPM ALIPHATIC HC STD

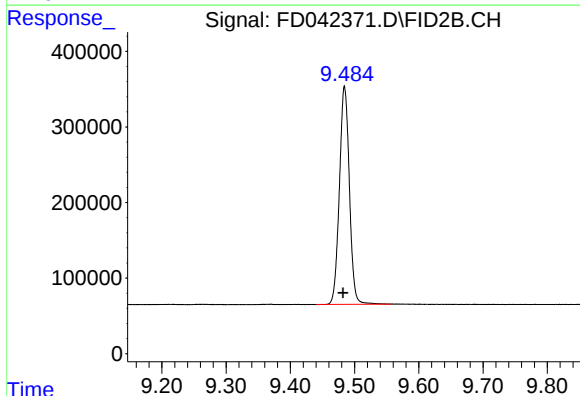
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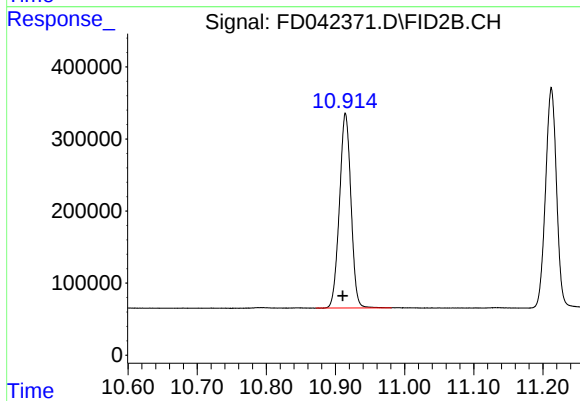
#6 n-Tetradecane (C14)

R.T.: 7.899 min  
Delta R.T.: 0.002 min  
Response: 3121650  
Conc: 21.91 ug/ml



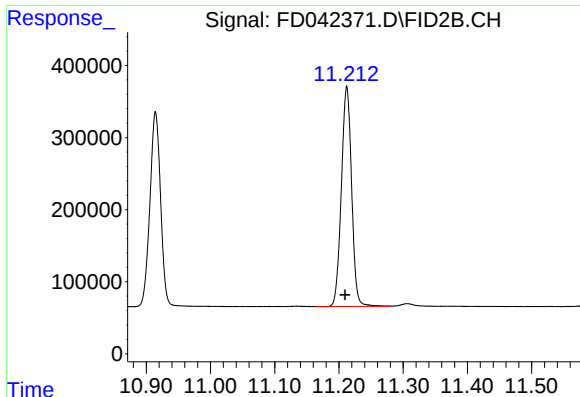
#7 n-Hexadecane (C16)

R.T.: 9.484 min  
Delta R.T.: 0.002 min  
Response: 3116936  
Conc: 21.45 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.915 min  
Delta R.T.: 0.004 min  
Response: 3122227  
Conc: 20.83 ug/ml



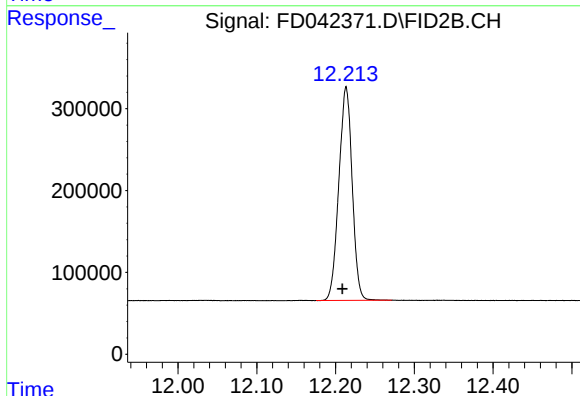
#9 ortho-Terphenyl (SURR)

R.T.: 11.212 min  
Delta R.T.: 0.003 min  
Response: 3390933  
Conc: 20.22 ug/ml

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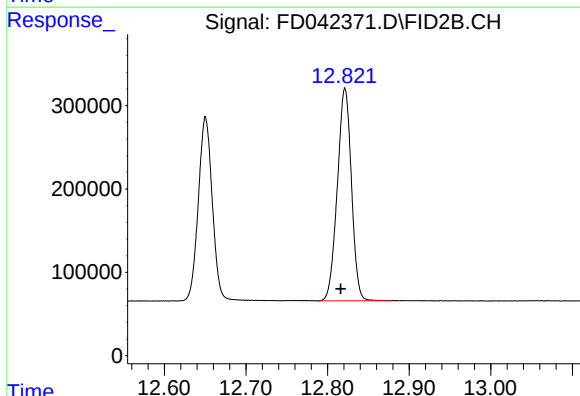
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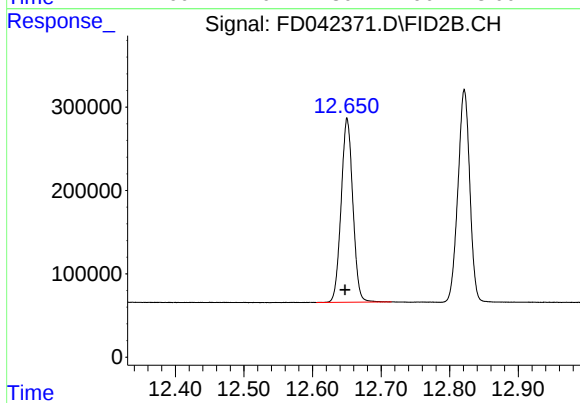
#10 n-Eicosane (C20)

R.T.: 12.213 min  
Delta R.T.: 0.005 min  
Response: 3073334  
Conc: 20.08 ug/ml



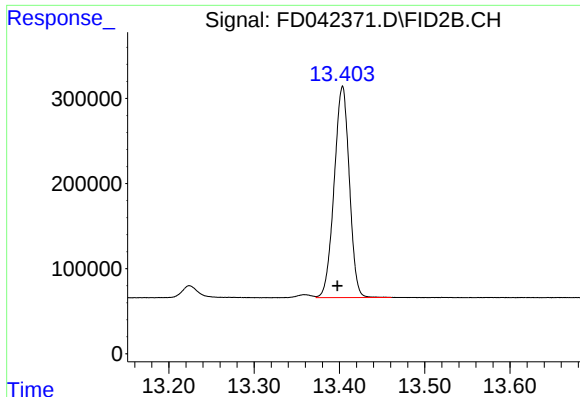
#11 n-Heneicosane (C21)

R.T.: 12.821 min  
Delta R.T.: 0.005 min  
Response: 3061970  
Conc: 19.86 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.650 min  
Delta R.T.: 0.003 min  
Response: 2615281  
Conc: 19.82 ug/ml



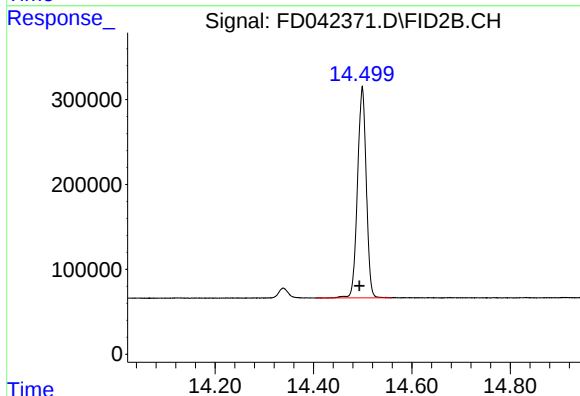
#13 n-Docosane (C22)

R.T.: 13.404 min  
Delta R.T.: 0.006 min  
Response: 3068593  
Conc: 19.91 ug/ml

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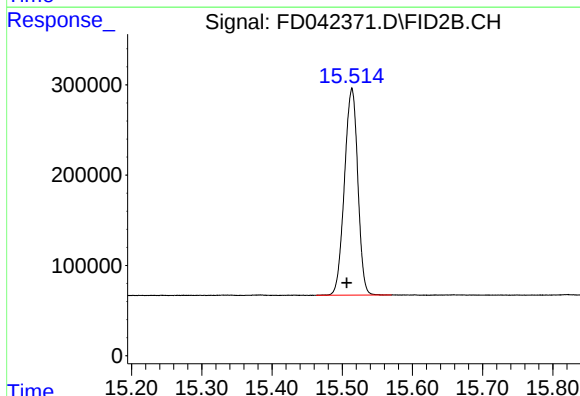
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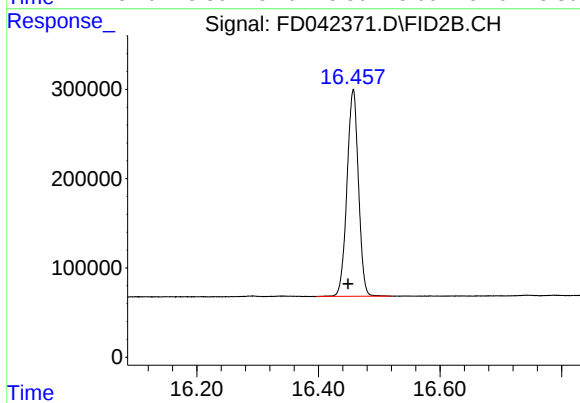
#14 n-Tetracosane (C24)

R.T.: 14.499 min  
Delta R.T.: 0.006 min  
Response: 3079817  
Conc: 19.91 ug/ml



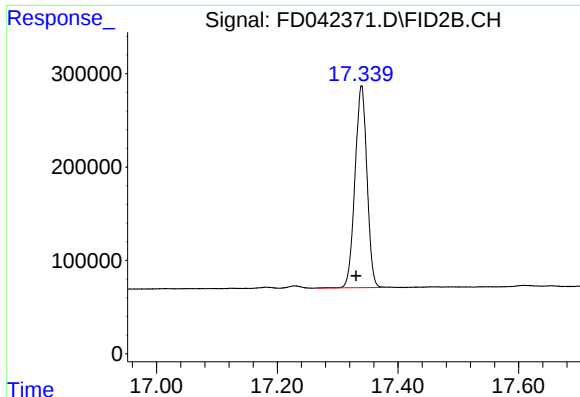
#15 n-Hexacosane (C26)

R.T.: 15.514 min  
Delta R.T.: 0.008 min  
Response: 3025880  
Conc: 19.67 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.457 min  
Delta R.T.: 0.009 min  
Response: 3033184  
Conc: 19.84 ug/ml



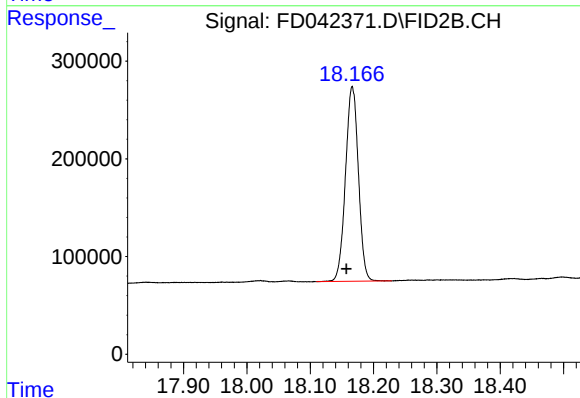
#17 n-Tricontane (C30)

R.T.: 17.340 min  
Delta R.T.: 0.009 min  
Response: 2983808  
Conc: 19.89 ug/ml

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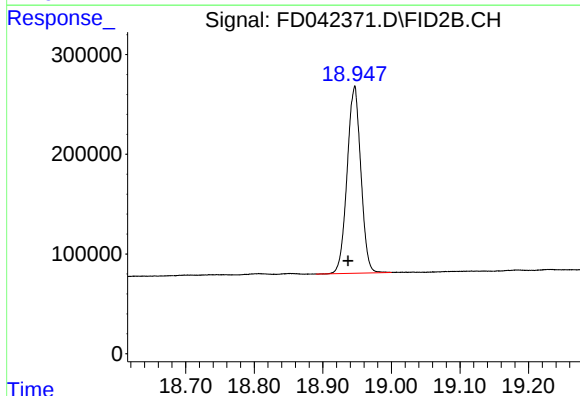
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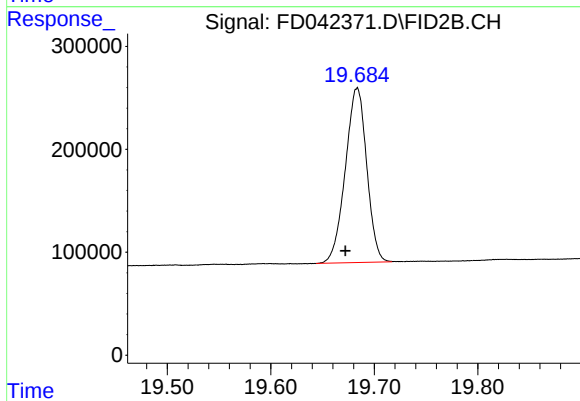
#18 n-Dotriacontane (C32)

R.T.: 18.166 min  
Delta R.T.: 0.009 min  
Response: 2826332  
Conc: 19.99 ug/ml



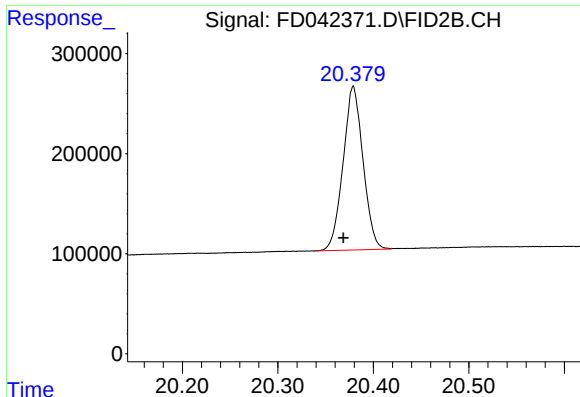
#19 n-Tetratriacontane (C34)

R.T.: 18.946 min  
Delta R.T.: 0.010 min  
Response: 2601489  
Conc: 20.21 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.684 min  
Delta R.T.: 0.012 min  
Response: 2439382  
Conc: 21.56 ug/ml m



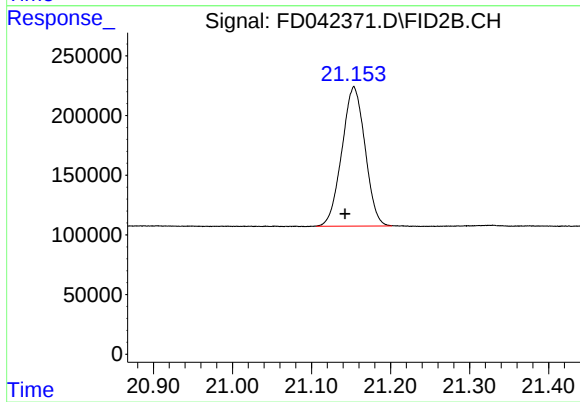
#21 n-Octatriacontane (C38)

R.T.: 20.379 min  
Delta R.T.: 0.010 min  
Response: 2378680  
Conc: 23.84 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.153 min  
Delta R.T.: 0.011 min  
Response: 2373101  
Conc: 26.31 ug/ml m