

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG062723AL\  
 Data File : FG012298.D  
 Signal(s) : FID1A.ch  
 Acq On : 27 Jun 2023 09:09  
 Operator : YP\AJ  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 06/27/2023  
 Supervised By :Ankita Jodhani 06/28/2023

Integration File: autoint1.e  
 Quant Time: Jun 27 11:19:49 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 062023.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Jun 20 14:37:23 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)    | 10.892 | 2821482    | 18.649 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 37.30%        |
| 12) S 1-chlorooctadecane (S... | 12.330 | 2077574    | 18.445 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 36.89%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 2.740  | 2249966    | 18.998 ug/ml  |
| 2) T n-Decane (C10)            | 3.748  | 2300895    | 18.898 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 5.314  | 2577341    | 18.806 ug/ml  |
| 4) T n-Dodecane (C12)          | 5.738  | 2346839    | 18.781 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 6.364  | 2440278    | 18.665 ug/ml  |
| 6) T n-Tetradecane (C14)       | 7.530  | 2360440    | 18.842 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.133  | 2490319    | 18.888 ug/ml  |
| 8) T n-Octadecane (C18)        | 10.574 | 2559101    | 18.814 ug/ml  |
| 10) T n-Eicosane (C20)         | 11.885 | 2446069    | 18.609 ug/ml  |
| 11) T n-Heneicosane (C21)      | 12.497 | 2384561    | 18.594 ug/ml  |
| 13) T n-Docosane (C22)         | 13.085 | 2349878    | 18.512 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.188 | 2388675    | 17.947 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.210 | 2230509    | 18.191 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.161 | 2186873    | 18.080 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.050 | 2217368    | 17.822 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 17.883 | 2196633    | 17.725 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 18.668 | 2168076    | 18.127 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 19.409 | 2116363    | 18.364 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 20.144 | 2084777    | 18.241 ug/ml  |
| 22) T n-Tetracontane (C40)     | 21.052 | 2058906    | 18.192 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Acq On : 27 Jun 2023 09:09  
Operator : YP\AJ  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

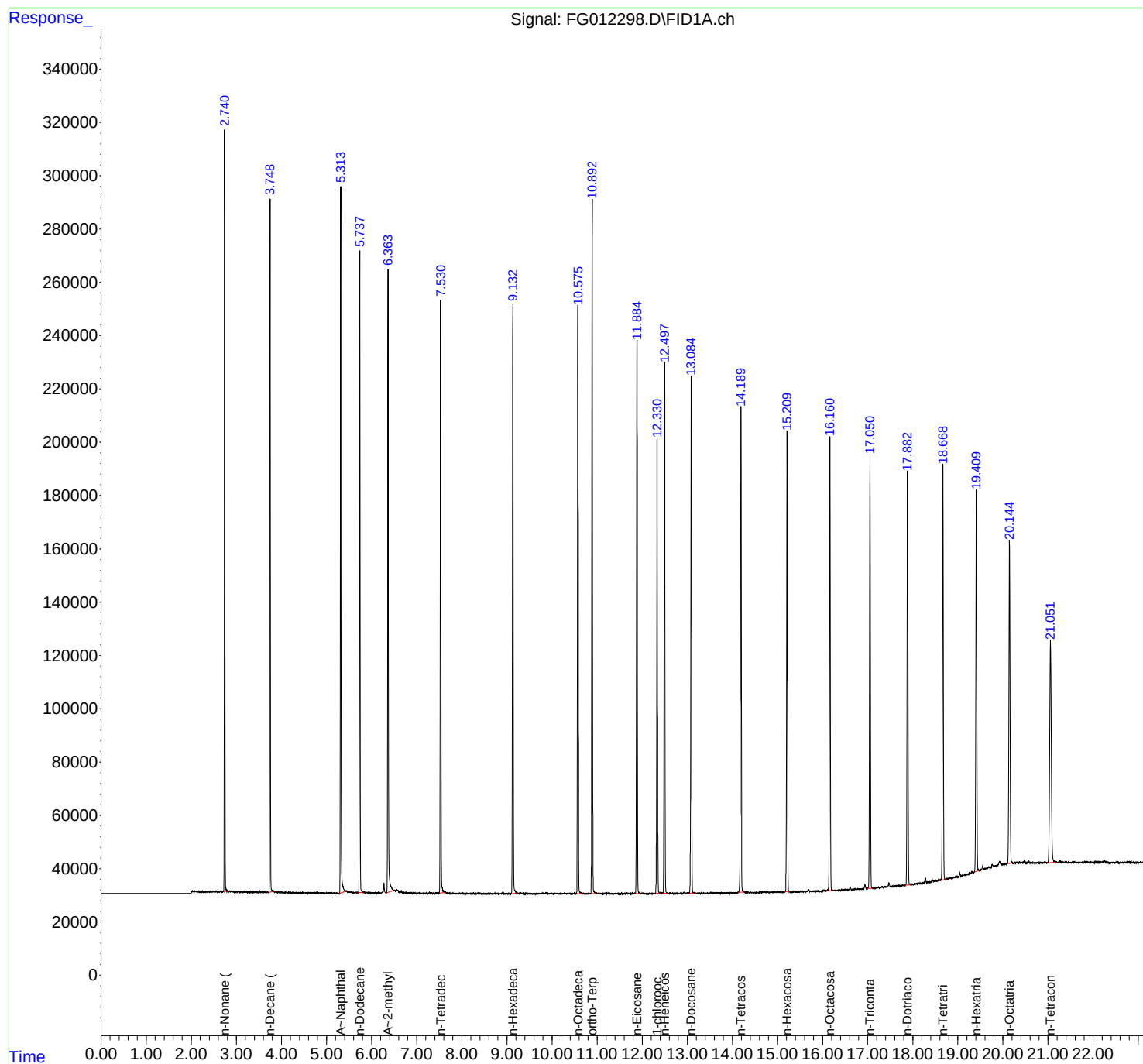
Instrument :  
FID\_G  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

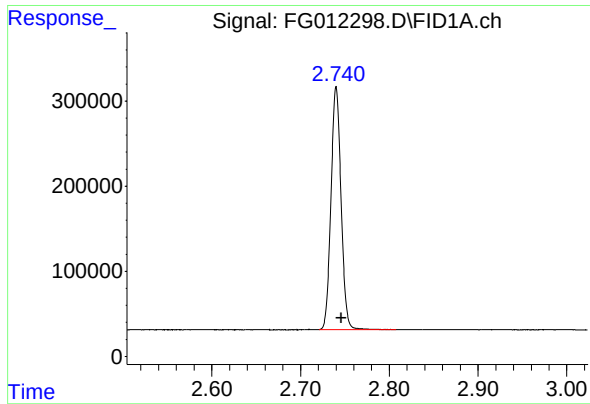
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Volume Inj. : 1 ul  
Signal Phase : Rxi-1ms  
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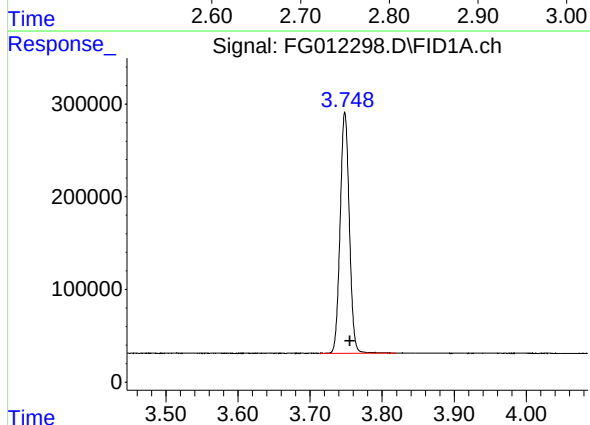
#1 n-Nonane (C9)

R.T.: 2.740 min  
Delta R.T.: -0.006 min  
Response: 2249966  
Conc: 19.00 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

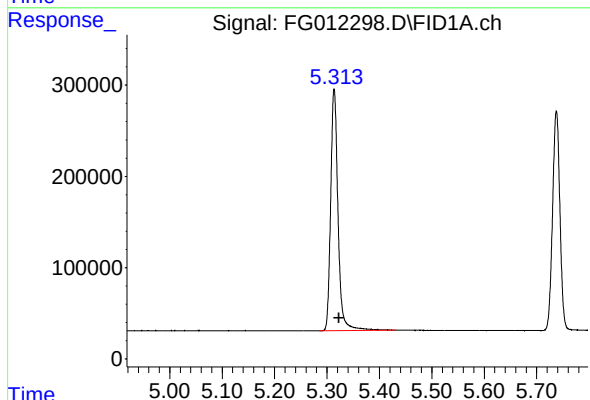
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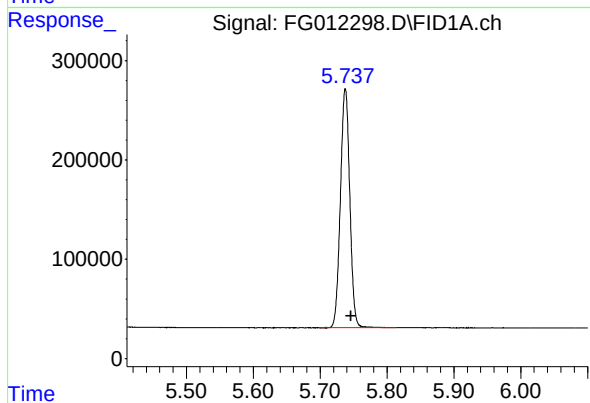
#2 n-Decane (C10)

R.T.: 3.748 min  
Delta R.T.: -0.007 min  
Response: 2300895  
Conc: 18.90 ug/ml



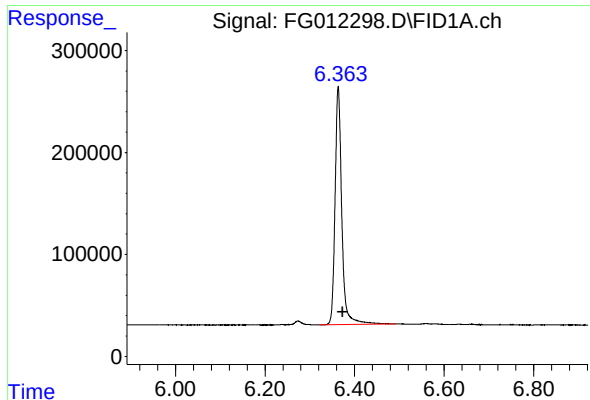
#3 A~Naphthalene (C11.7)

R.T.: 5.314 min  
Delta R.T.: -0.009 min  
Response: 2577341  
Conc: 18.81 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.738 min  
Delta R.T.: -0.009 min  
Response: 2346839  
Conc: 18.78 ug/ml



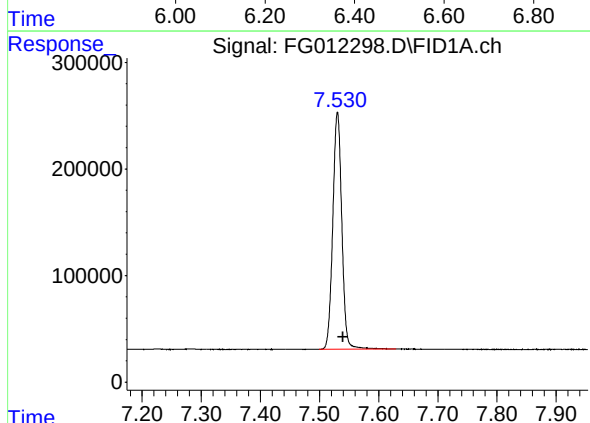
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.364 min  
Delta R.T.: -0.010 min  
Response: 2440278  
Conc: 18.67 ug/ml

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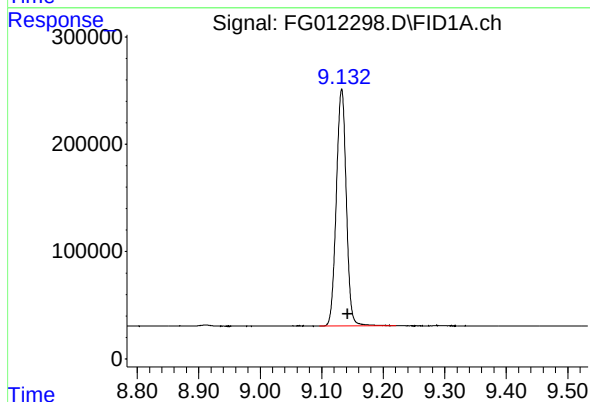
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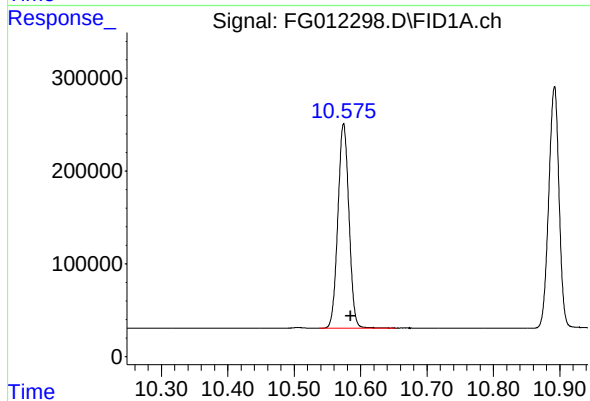
#6 n-Tetradecane (C14)

R.T.: 7.530 min  
Delta R.T.: -0.009 min  
Response: 2360440  
Conc: 18.84 ug/ml



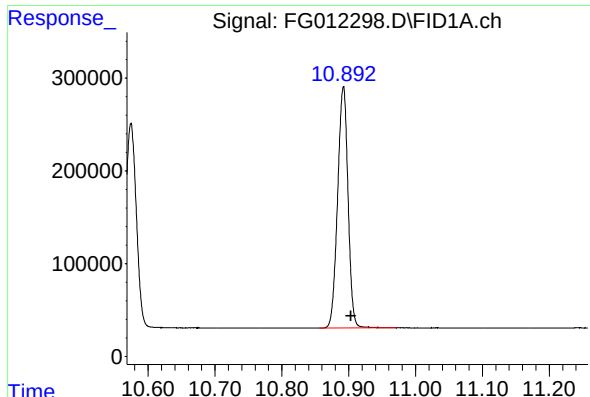
#7 n-Hexadecane (C16)

R.T.: 9.133 min  
Delta R.T.: -0.009 min  
Response: 2490319  
Conc: 18.89 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.574 min  
Delta R.T.: -0.011 min  
Response: 2559101  
Conc: 18.81 ug/ml



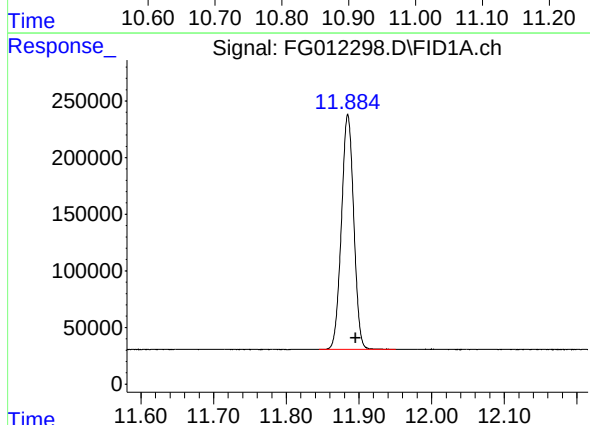
#9 ortho-Terphenyl (SURR)

R.T.: 10.892 min  
Delta R.T.: -0.011 min  
Response: 2821482  
Conc: 18.65 ug/ml

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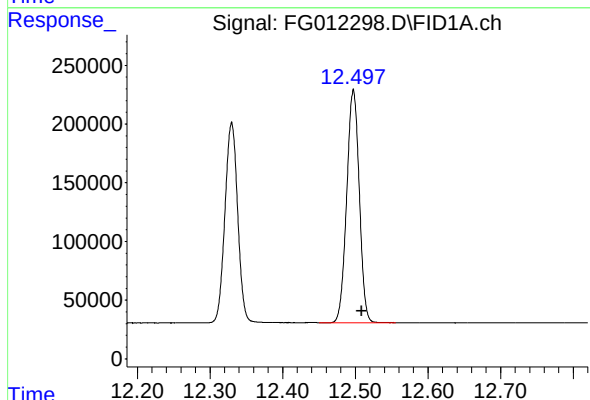
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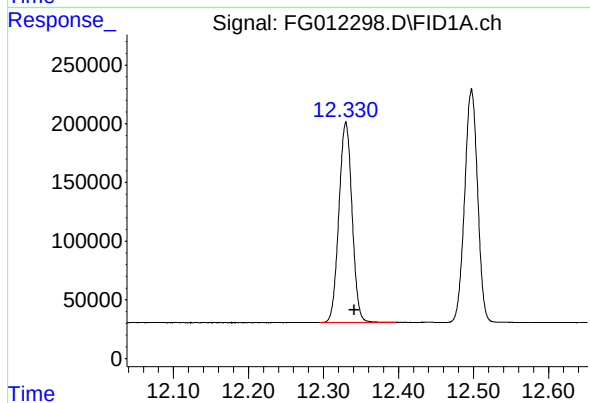
#10 n-Eicosane (C20)

R.T.: 11.885 min  
Delta R.T.: -0.010 min  
Response: 2446069  
Conc: 18.61 ug/ml



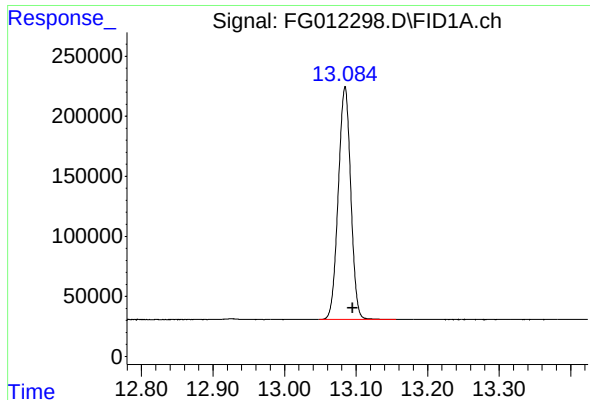
#11 n-Heneicosane (C21)

R.T.: 12.497 min  
Delta R.T.: -0.011 min  
Response: 2384561  
Conc: 18.59 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.330 min  
Delta R.T.: -0.011 min  
Response: 2077574  
Conc: 18.45 ug/ml



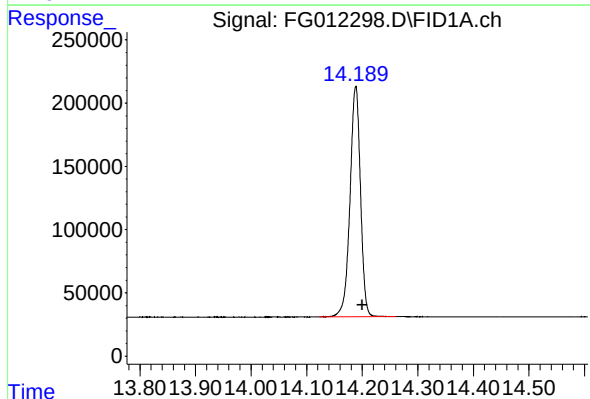
#13 n-Docosane (C22)

R.T.: 13.085 min  
Delta R.T.: -0.011 min  
Response: 2349878  
Conc: 18.51 ug/ml

Instrument :  
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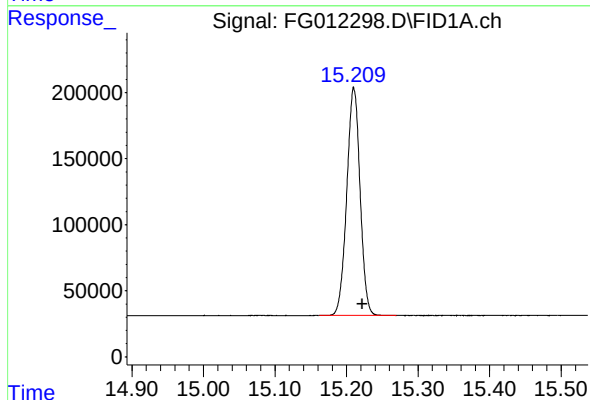
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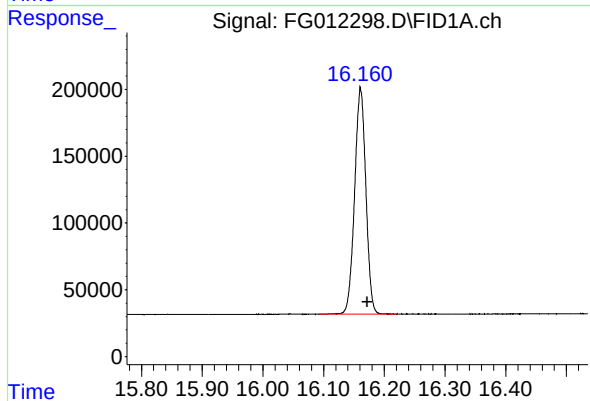
#14 n-Tetracosane (C24)

R.T.: 14.188 min  
Delta R.T.: -0.012 min  
Response: 2388675  
Conc: 17.95 ug/ml



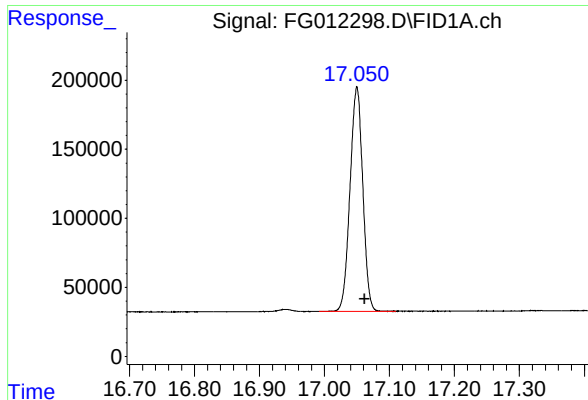
#15 n-Hexacosane (C26)

R.T.: 15.210 min  
Delta R.T.: -0.012 min  
Response: 2230509  
Conc: 18.19 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.161 min  
Delta R.T.: -0.011 min  
Response: 2186873  
Conc: 18.08 ug/ml



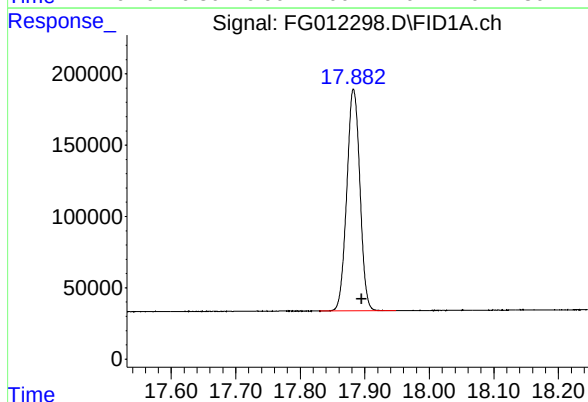
#17 n-Tricontane (C30)

R.T.: 17.050 min  
Delta R.T.: -0.012 min  
Response: 2217368  
Conc: 17.82 ug/ml

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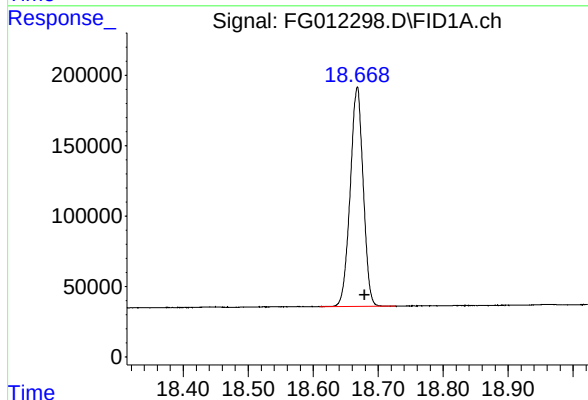
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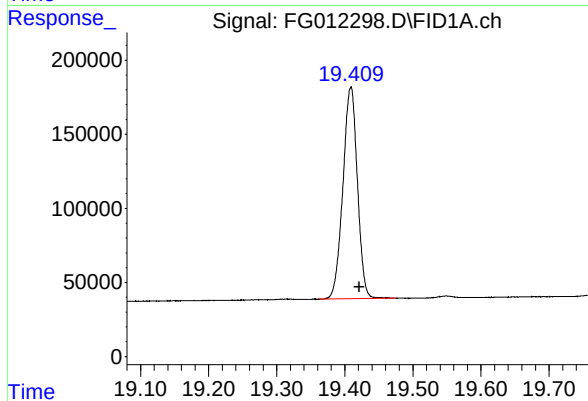
#18 n-Dotriacontane (C32)

R.T.: 17.883 min  
Delta R.T.: -0.013 min  
Response: 2196633  
Conc: 17.73 ug/ml



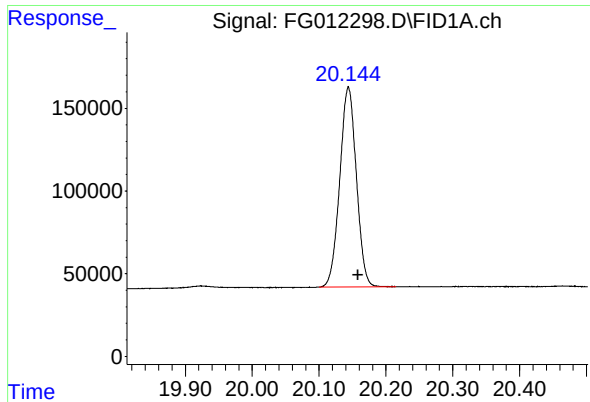
#19 n-Tetatriacontane (C34)

R.T.: 18.668 min  
Delta R.T.: -0.011 min  
Response: 2168076  
Conc: 18.13 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.409 min  
Delta R.T.: -0.012 min  
Response: 2116363  
Conc: 18.36 ug/ml m



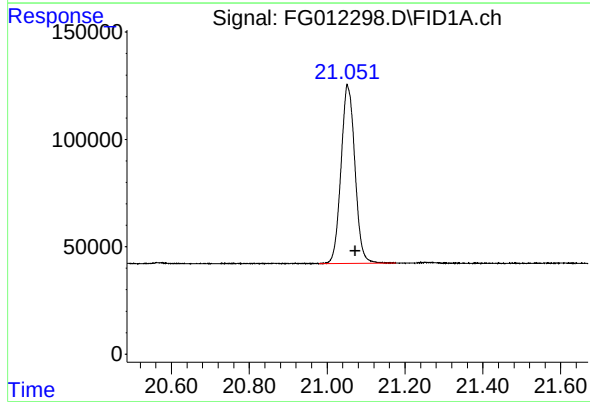
#21 n-Octatriacontane (C38)

R.T.: 20.144 min  
Delta R.T.: -0.015 min  
Response: 2084777  
Conc: 18.24 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.052 min  
Delta R.T.: -0.020 min  
Response: 2058906  
Conc: 18.19 ug/ml