

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG070323AL\  
 Data File : FG012322.D  
 Signal(s) : FID1A.ch  
 Acq On : 03 Jul 2023 09:28  
 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 07/05/2023  
 Supervised By :Ankita Jodhani 07/05/2023

Integration File: autoint1.e  
 Quant Time: Jul 04 03:05:45 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)    | 10.898 | 3215165    | 21.251 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 42.50%        |
| 12) S 1-chlorooctadecane (S... | 12.336 | 2361030    | 20.962 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 41.92%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 2.742  | 2543939    | 21.480 ug/ml  |
| 2) T n-Decane (C10)            | 3.751  | 2598449    | 21.342 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 5.317  | 2883540    | 21.041 ug/ml  |
| 4) T n-Dodecane (C12)          | 5.741  | 2633050    | 21.071 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 6.367  | 2763592    | 21.138 ug/ml  |
| 6) T n-Tetradecane (C14)       | 7.534  | 2625264    | 20.956 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.137  | 2736843    | 20.758 ug/ml  |
| 8) T n-Octadecane (C18)        | 10.580 | 2833853    | 20.834 ug/ml  |
| 10) T n-Eicosane (C20)         | 11.891 | 2757189    | 20.976 ug/ml  |
| 11) T n-Heneicosane (C21)      | 12.503 | 2709308    | 21.126 ug/ml  |
| 13) T n-Docosane (C22)         | 13.090 | 2691667    | 21.205 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.195 | 2759954    | 20.737 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.218 | 2567904    | 20.943 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.169 | 2498267    | 20.655 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.058 | 2527431    | 20.314 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 17.892 | 2519287    | 20.329 ug/mlm |
| 19) T n-Tetratriacontane (C34) | 18.677 | 2414562    | 20.188 ug/mlm |
| 20) T n-Hexatriacontane (C36)  | 19.417 | 2373107    | 20.592 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 20.154 | 2378047    | 20.808 ug/ml  |
| 22) T n-Tetracontane (C40)     | 21.068 | 2398758    | 21.195 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP\AJ  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

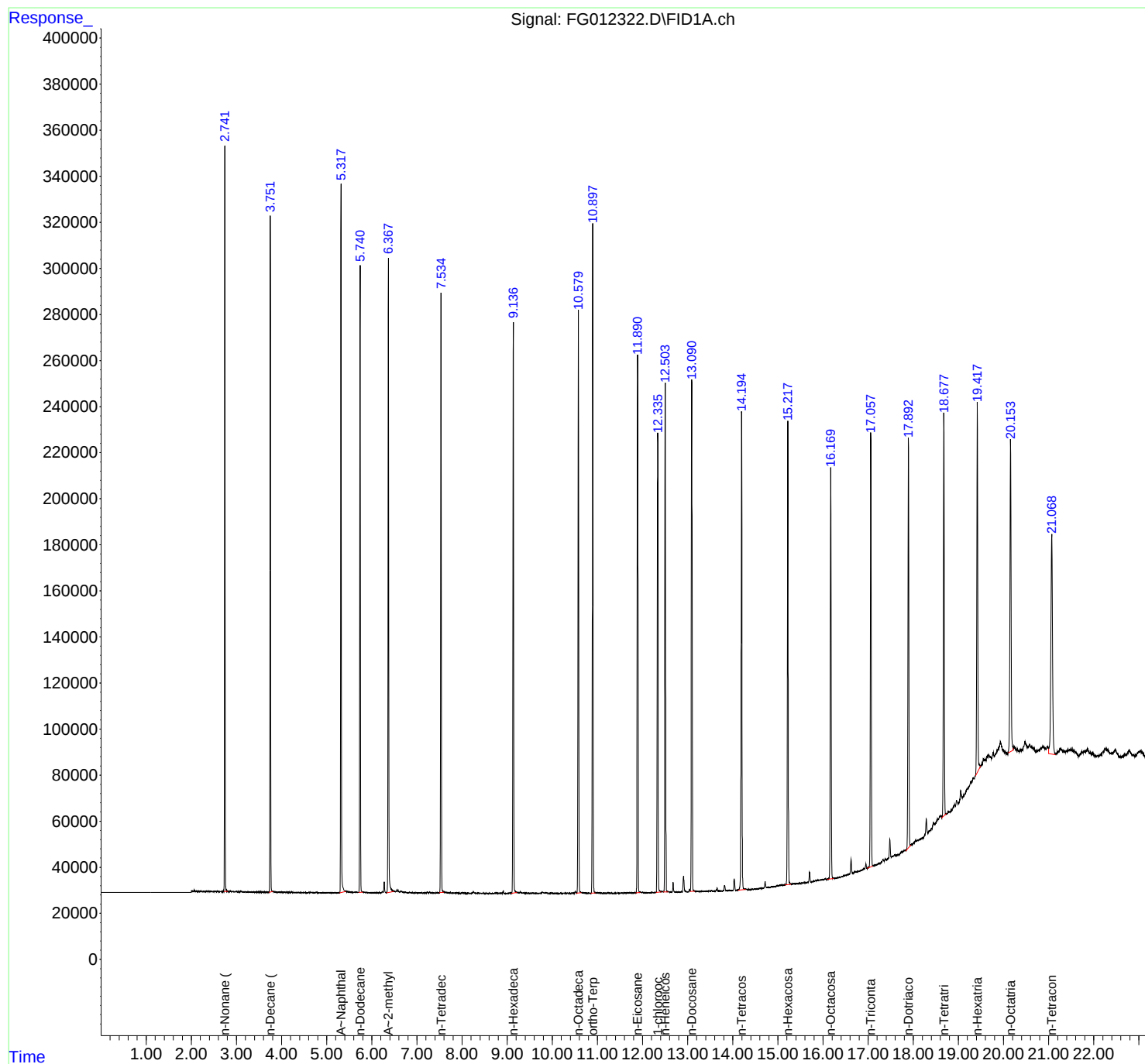
Instrument :  
FID\_G  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

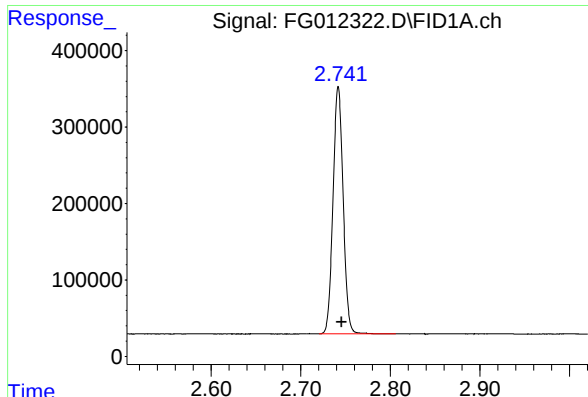
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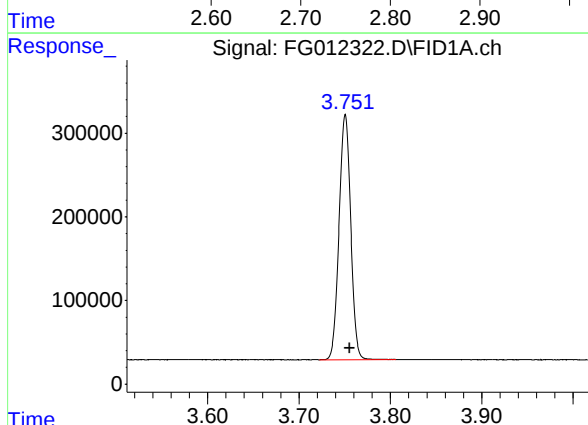
#1 n-Nonane (C9)

R.T.: 2.742 min  
Delta R.T.: -0.004 min  
Response: 2543939  
Conc: 21.48 ug/ml

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

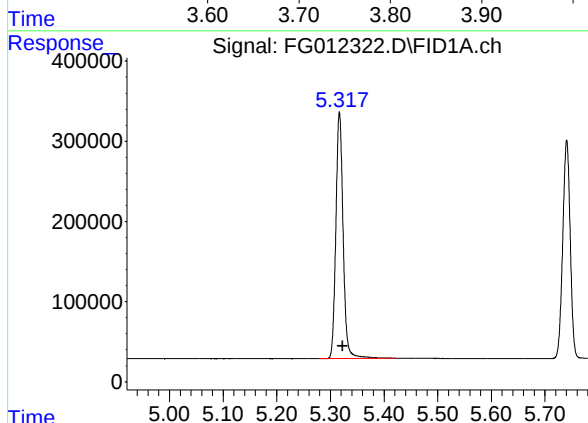
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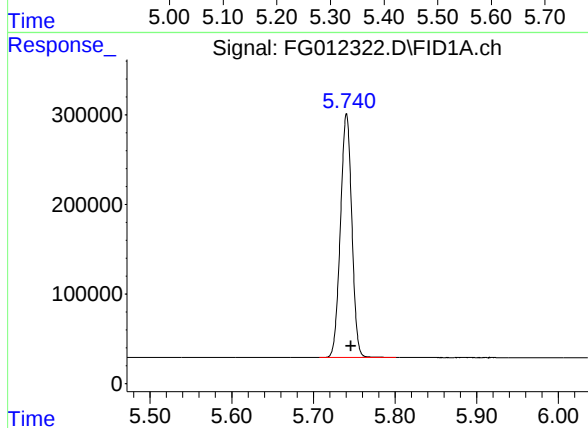
#2 n-Decane (C10)

R.T.: 3.751 min  
Delta R.T.: -0.005 min  
Response: 2598449  
Conc: 21.34 ug/ml



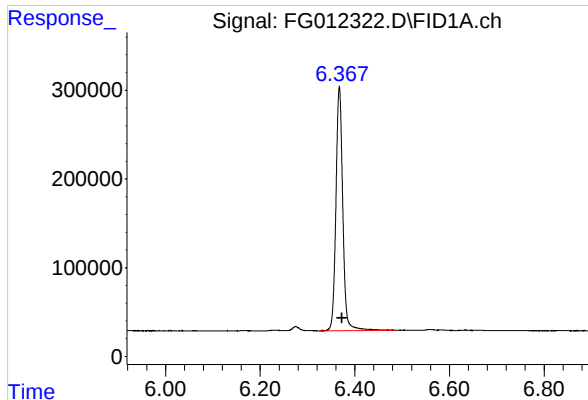
#3 A~Naphthalene (C11.7)

R.T.: 5.317 min  
Delta R.T.: -0.006 min  
Response: 2883540  
Conc: 21.04 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.741 min  
Delta R.T.: -0.006 min  
Response: 2633050  
Conc: 21.07 ug/ml



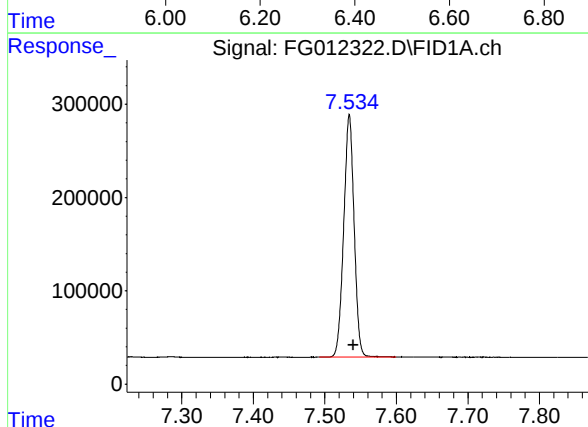
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.367 min  
Delta R.T.: -0.006 min  
Response: 2763592  
Conc: 21.14 ug/ml

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

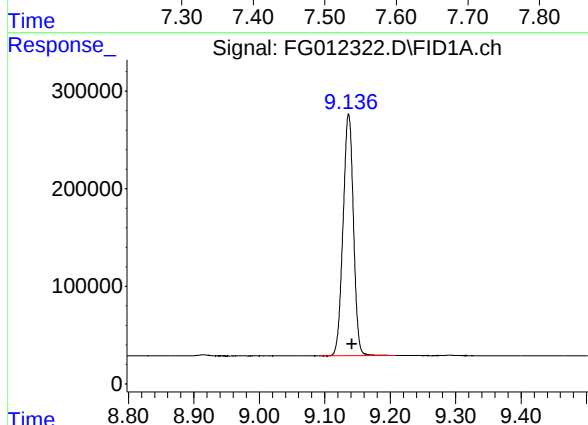
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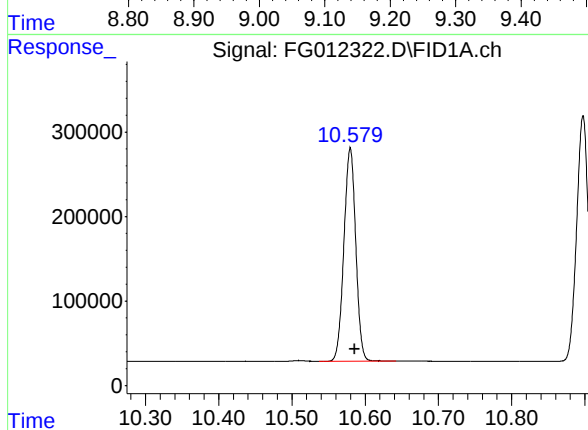
#6 n-Tetradecane (C14)

R.T.: 7.534 min  
Delta R.T.: -0.005 min  
Response: 2625264  
Conc: 20.96 ug/ml



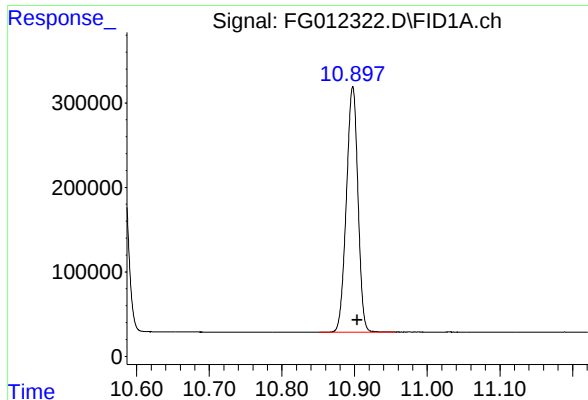
#7 n-Hexadecane (C16)

R.T.: 9.137 min  
Delta R.T.: -0.005 min  
Response: 2736843  
Conc: 20.76 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.580 min  
Delta R.T.: -0.006 min  
Response: 2833853  
Conc: 20.83 ug/ml



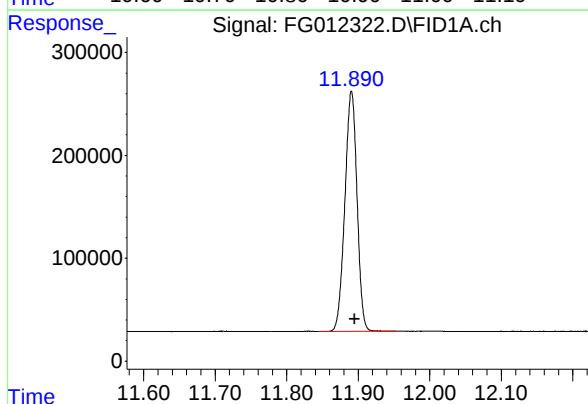
#9 ortho-Terphenyl (SURR)

R.T.: 10.898 min  
Delta R.T.: -0.006 min  
Response: 3215165  
Conc: 21.25 ug/ml

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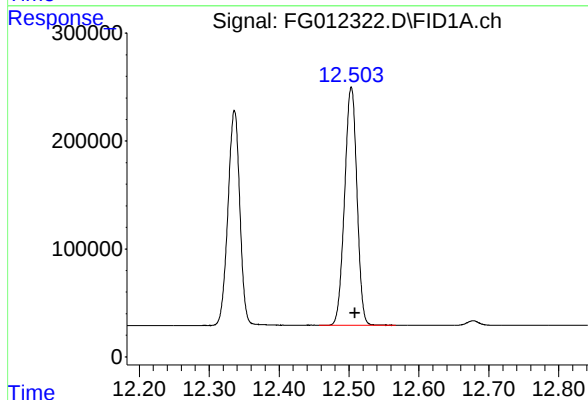
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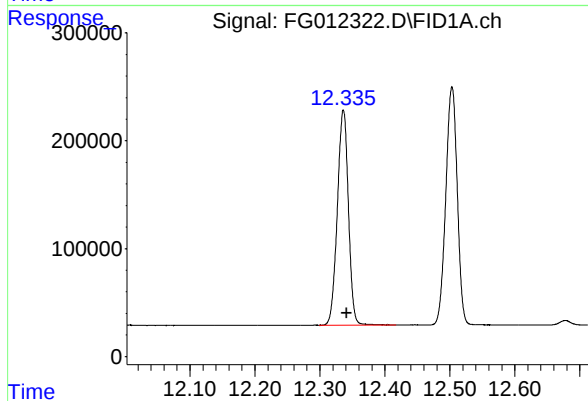
#10 n-Eicosane (C20)

R.T.: 11.891 min  
Delta R.T.: -0.004 min  
Response: 2757189  
Conc: 20.98 ug/ml



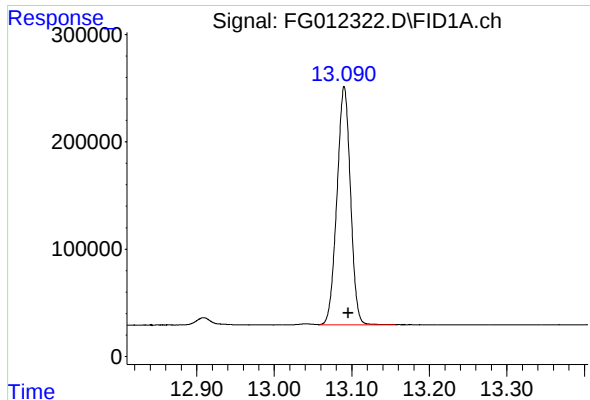
#11 n-Heneicosane (C21)

R.T.: 12.503 min  
Delta R.T.: -0.005 min  
Response: 2709308  
Conc: 21.13 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.336 min  
Delta R.T.: -0.005 min  
Response: 2361030  
Conc: 20.96 ug/ml



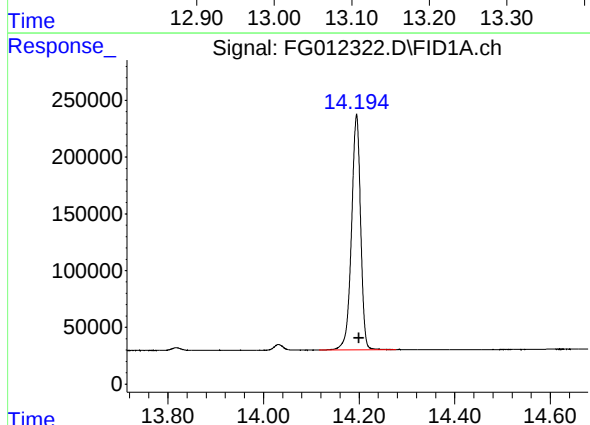
#13 n-Docosane (C22)

R.T.: 13.090 min  
Delta R.T.: -0.005 min  
Response: 2691667  
Conc: 21.20 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

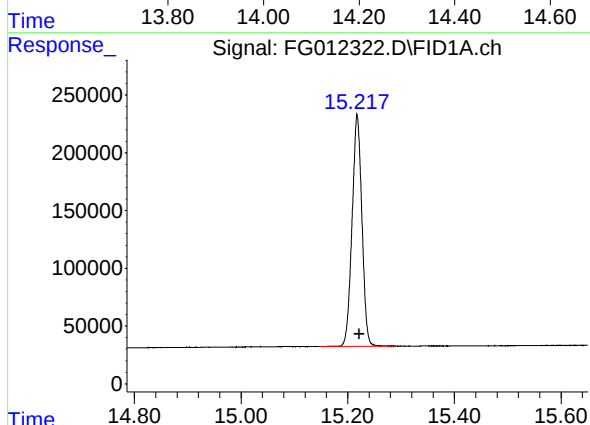
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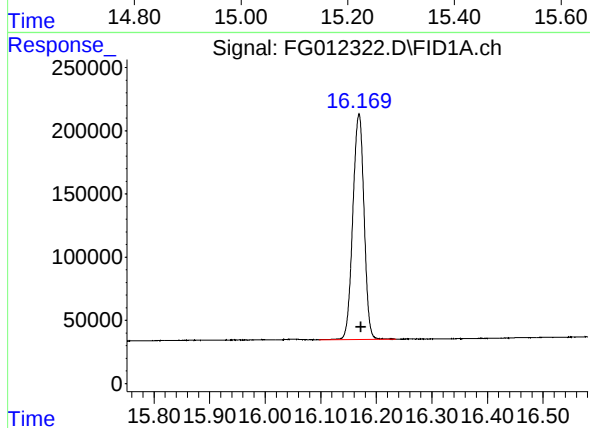
#14 n-Tetracosane (C24)

R.T.: 14.195 min  
Delta R.T.: -0.005 min  
Response: 2759954  
Conc: 20.74 ug/ml



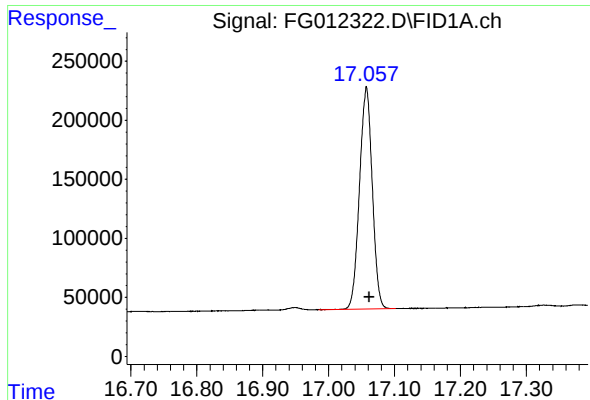
#15 n-Hexacosane (C26)

R.T.: 15.218 min  
Delta R.T.: -0.004 min  
Response: 2567904  
Conc: 20.94 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.169 min  
Delta R.T.: -0.003 min  
Response: 2498267  
Conc: 20.65 ug/ml



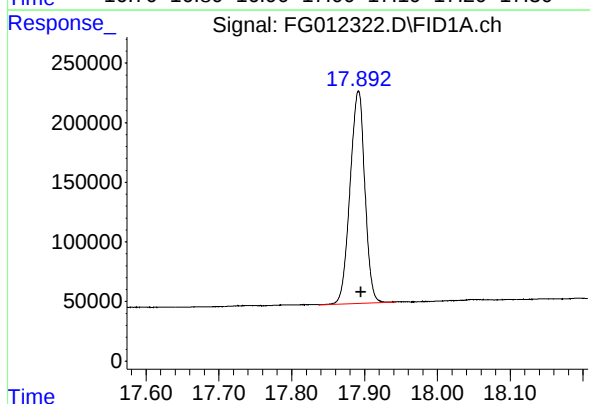
#17 n-Tricontane (C30)

R.T.: 17.058 min  
Delta R.T.: -0.004 min  
Response: 2527431  
Conc: 20.31 ug/ml

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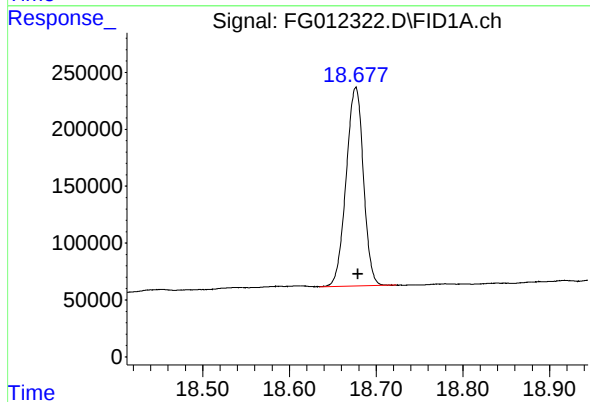
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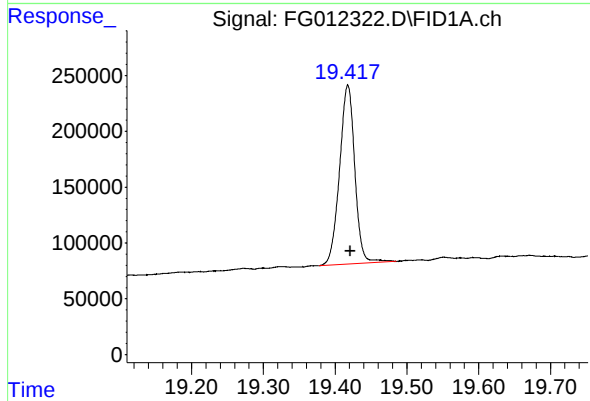
#18 n-Dotriacontane (C32)

R.T.: 17.892 min  
Delta R.T.: -0.003 min  
Response: 2519287  
Conc: 20.33 ug/ml m



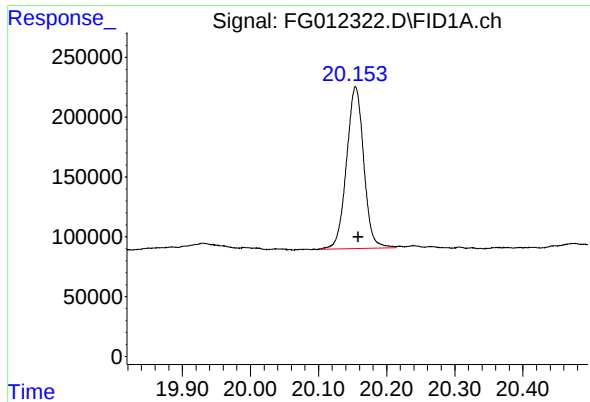
#19 n-Tetratriacontane (C34)

R.T.: 18.677 min  
Delta R.T.: -0.003 min  
Response: 2414562  
Conc: 20.19 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.417 min  
Delta R.T.: -0.004 min  
Response: 2373107  
Conc: 20.59 ug/ml m



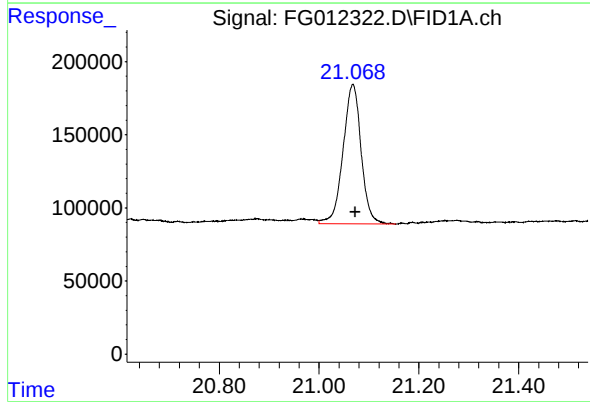
#21 n-Octatriacontane (C38)

R.T.: 20.154 min  
Delta R.T.: -0.004 min  
Response: 2378047  
Conc: 20.81 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.068 min  
Delta R.T.: -0.004 min  
Response: 2398758  
Conc: 21.19 ug/ml