

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC083123AL\  
 Data File : FC064463.D  
 Signal(s) : FID1A.ch  
 Acq On : 31 Aug 2023 13:52  
 Operator : YP/AJ  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 09/01/2023  
 Supervised By :mohammad ahmed 09/01/2023

Integration File: autoint1.e  
 Quant Time: Sep 01 00:17:12 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 081823.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Aug 18 14:31:35 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)    | 11.511 | 3882807    | 18.289 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 36.58%        |
| 12) S 1-chlorooctadecane (S... | 12.946 | 2826263    | 18.536 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 37.07%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.307  | 3275622    | 18.559 ug/ml  |
| 2) T n-Decane (C10)            | 4.367  | 3342877    | 19.056 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 5.944  | 3529142    | 18.979 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.376  | 3388644    | 19.011 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 6.998  | 3452077    | 19.406 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.165  | 3325492    | 19.062 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.761  | 3327907    | 19.257 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.198 | 3295998    | 18.826 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.503 | 3140324    | 18.564 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.113 | 3082050    | 18.466 ug/ml  |
| 13) T n-Docosane (C22)         | 13.697 | 3012630    | 18.470 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.797 | 2934725    | 18.429 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.813 | 2856595    | 18.490 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.759 | 2906798    | 19.634 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.645 | 3078069    | 21.073 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.474 | 3036588    | 21.497 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.255 | 2865755    | 21.448 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 19.991 | 2678443    | 20.932 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 20.713 | 2655103    | 21.622 ug/mlm |
| 22) T n-Tetracontane (C40)     | 21.595 | 2695388    | 23.210 ug/mlm |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Acq On : 31 Aug 2023 13:52  
Operator : YP/AJ  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

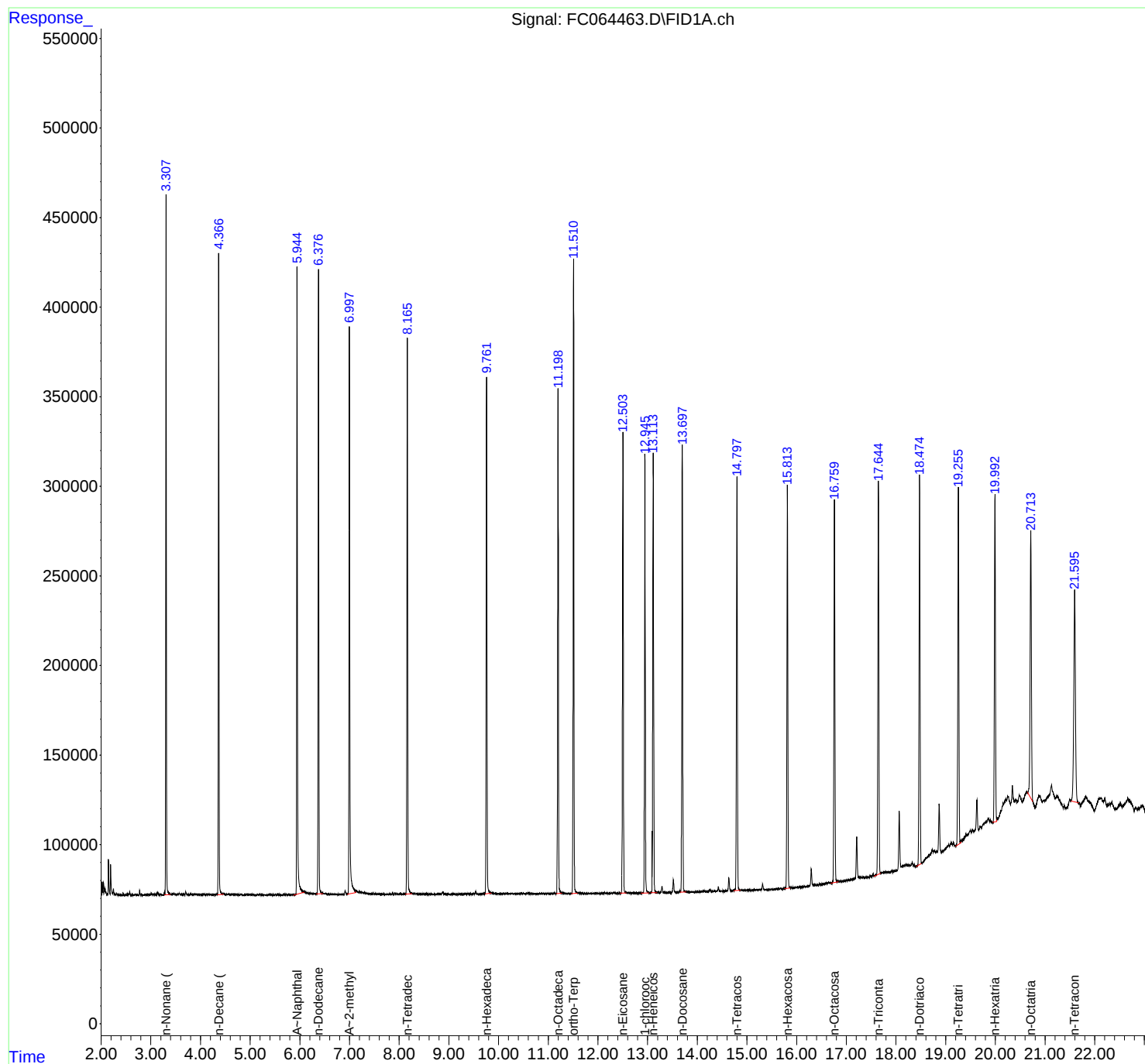
Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

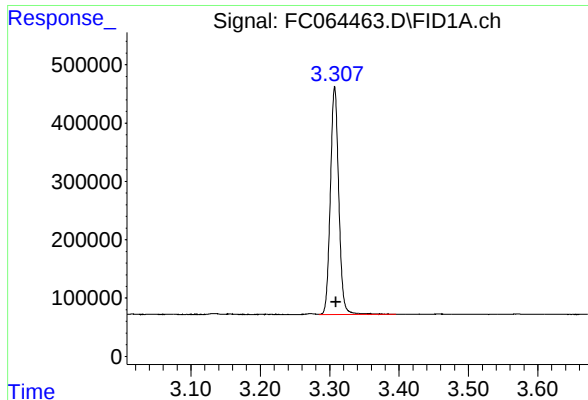
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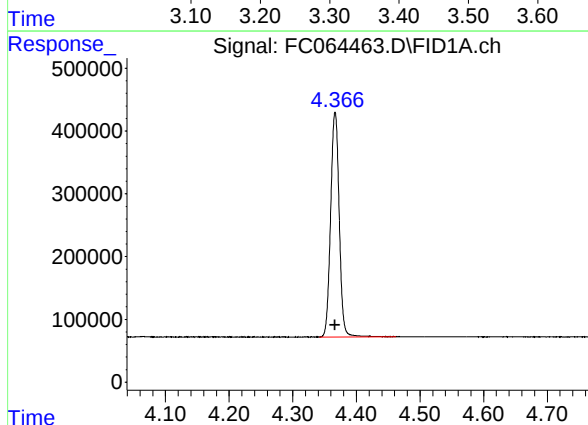
#1 n-Nonane (C9)

R.T.: 3.307 min  
Delta R.T.: -0.002 min  
Response: 3275622  
Conc: 18.56 ug/ml

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

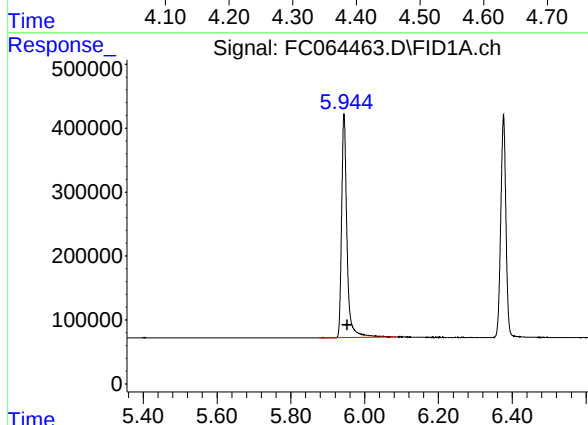
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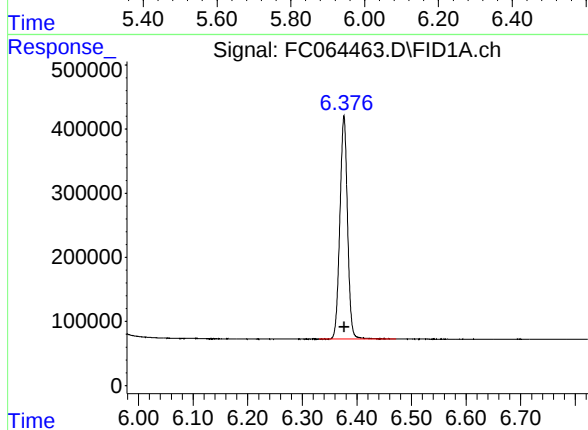
#2 n-Decane (C10)

R.T.: 4.367 min  
Delta R.T.: 0.000 min  
Response: 3342877  
Conc: 19.06 ug/ml



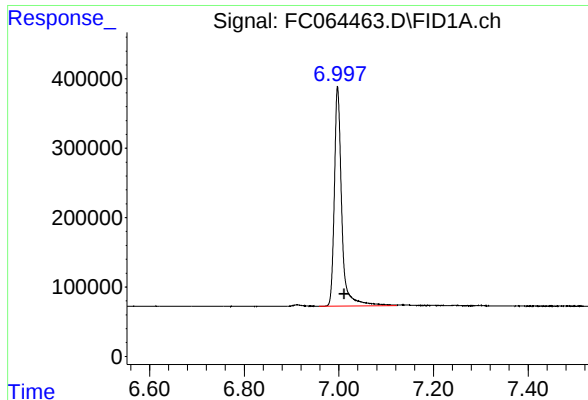
#3 A~Naphthalene (C11.7)

R.T.: 5.944 min  
Delta R.T.: -0.009 min  
Response: 3529142  
Conc: 18.98 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.376 min  
Delta R.T.: 0.000 min  
Response: 3388644  
Conc: 19.01 ug/ml



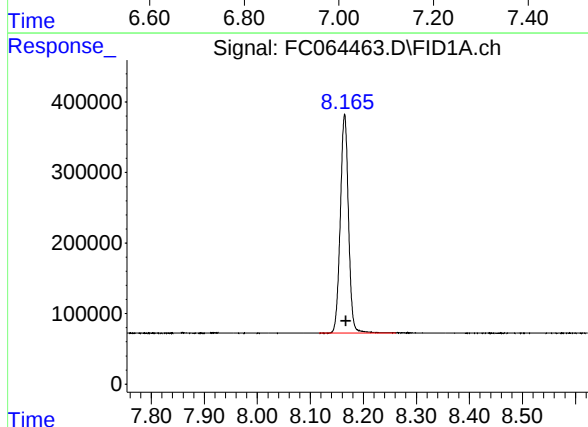
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.998 min  
Delta R.T.: -0.014 min  
Response: 3452077  
Conc: 19.41 ug/ml

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

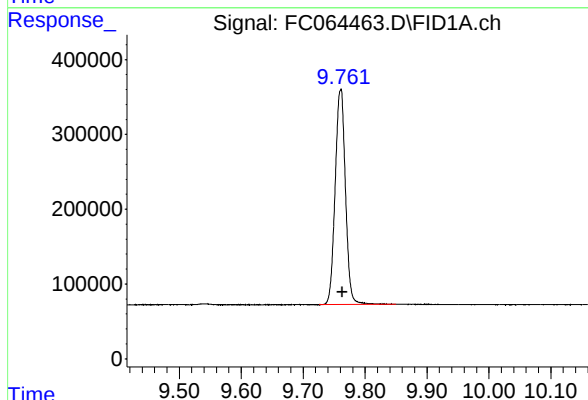
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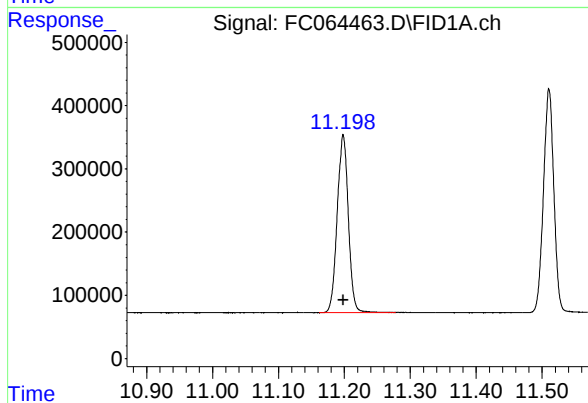
#6 n-Tetradecane (C14)

R.T.: 8.165 min  
Delta R.T.: -0.003 min  
Response: 3325492  
Conc: 19.06 ug/ml



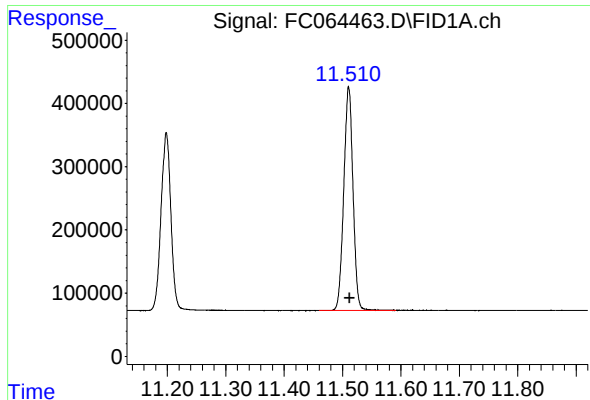
#7 n-Hexadecane (C16)

R.T.: 9.761 min  
Delta R.T.: -0.003 min  
Response: 3327907  
Conc: 19.26 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.198 min  
Delta R.T.: 0.000 min  
Response: 3295998  
Conc: 18.83 ug/ml



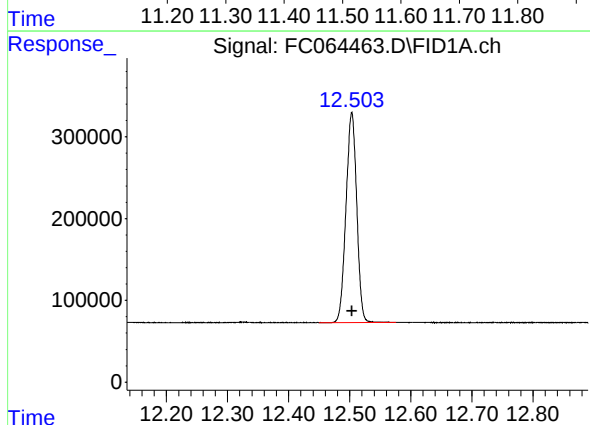
#9 ortho-Terphenyl (SURR)

R.T.: 11.511 min  
Delta R.T.: -0.001 min  
Response: 3882807  
Conc: 18.29 ug/ml

Instrument :  
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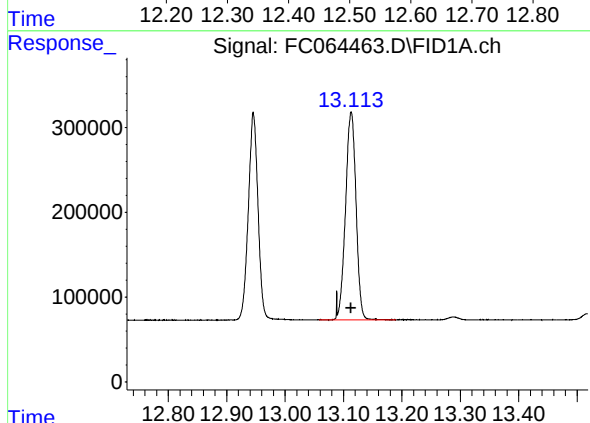
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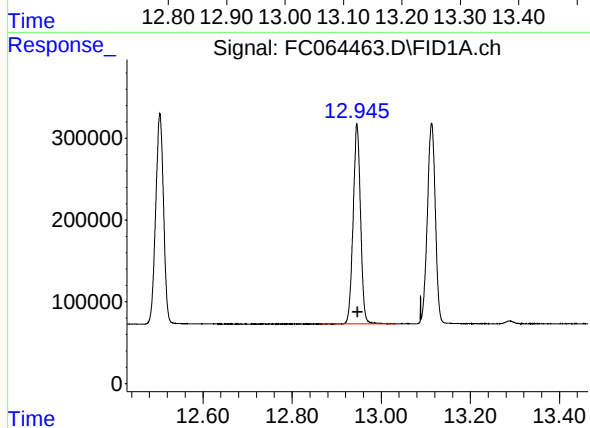
#10 n-Eicosane (C20)

R.T.: 12.503 min  
Delta R.T.: 0.000 min  
Response: 3140324  
Conc: 18.56 ug/ml



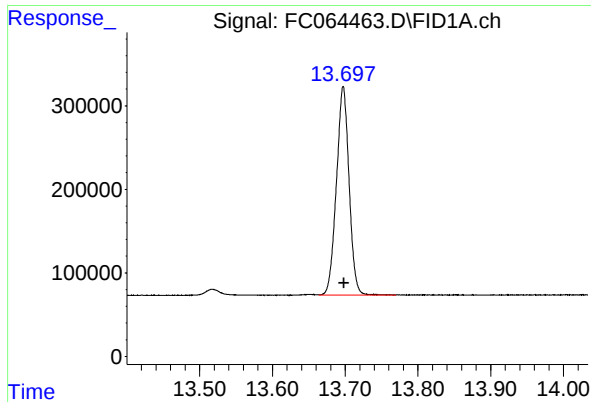
#11 n-Heneicosane (C21)

R.T.: 13.113 min  
Delta R.T.: 0.000 min  
Response: 3082050  
Conc: 18.47 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.946 min  
Delta R.T.: -0.002 min  
Response: 2826263  
Conc: 18.54 ug/ml



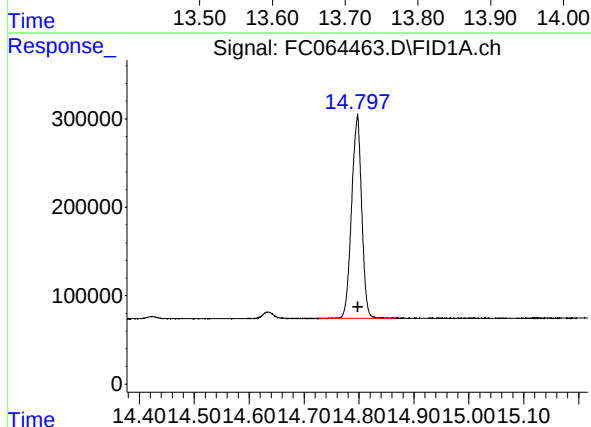
#13 n-Docosane (C22)

R.T.: 13.697 min  
Delta R.T.: 0.000 min  
Response: 3012630  
Conc: 18.47 ug/ml

Instrument :  
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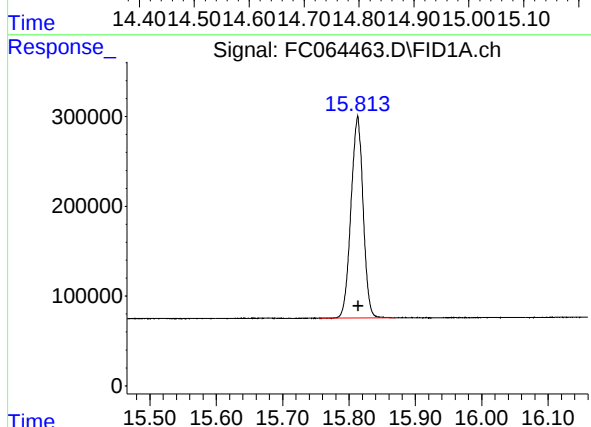
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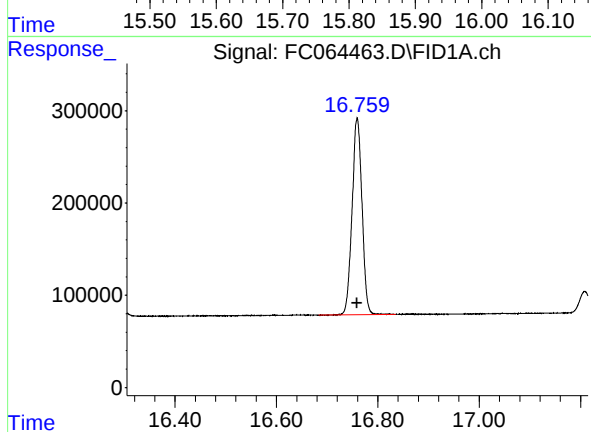
#14 n-Tetracosane (C24)

R.T.: 14.797 min  
Delta R.T.: -0.001 min  
Response: 2934725  
Conc: 18.43 ug/ml



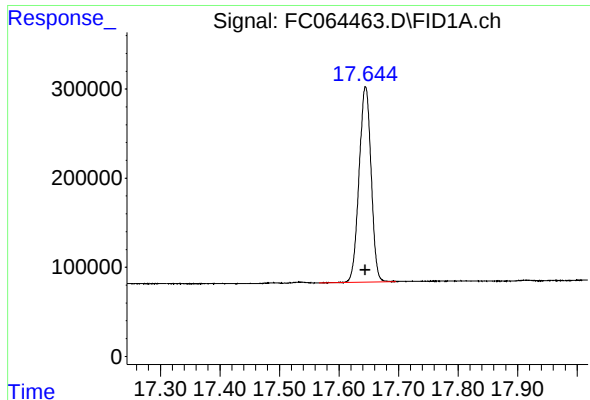
#15 n-Hexacosane (C26)

R.T.: 15.813 min  
Delta R.T.: -0.001 min  
Response: 2856595  
Conc: 18.49 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.759 min  
Delta R.T.: 0.000 min  
Response: 2906798  
Conc: 19.63 ug/ml



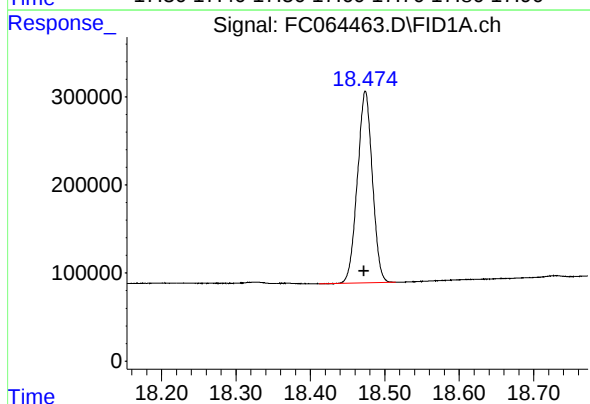
#17 n-Tricontane (C30)

R.T.: 17.645 min  
Delta R.T.: 0.000 min  
Response: 3078069  
Conc: 21.07 ug/ml

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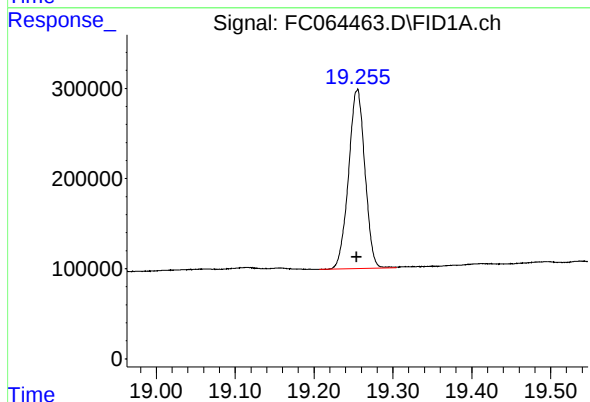
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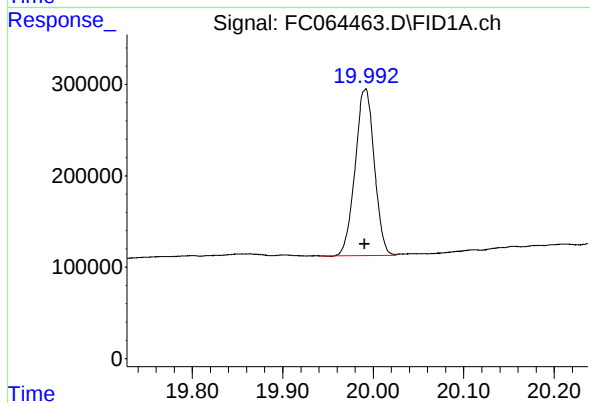
#18 n-Dotriacontane (C32)

R.T.: 18.474 min  
Delta R.T.: 0.002 min  
Response: 3036588  
Conc: 21.50 ug/ml



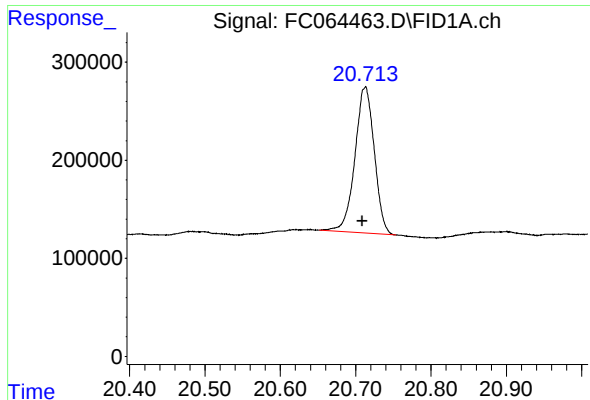
#19 n-Tetatriacontane (C34)

R.T.: 19.255 min  
Delta R.T.: 0.000 min  
Response: 2865755  
Conc: 21.45 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.991 min  
Delta R.T.: 0.001 min  
Response: 2678443  
Conc: 20.93 ug/ml



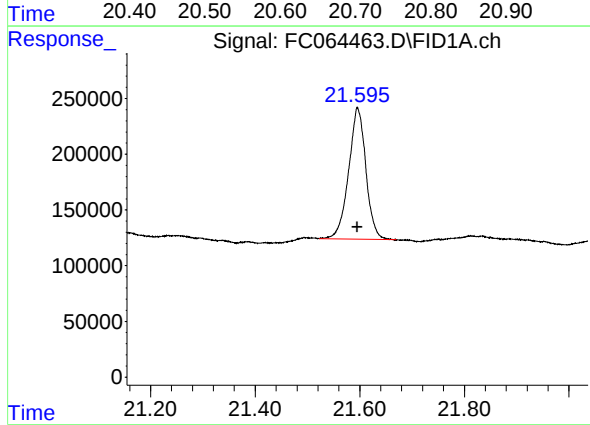
#21 n-Octatriacontane (C38)

R.T.: 20.713 min  
Delta R.T.: 0.005 min  
Response: 2655103  
Conc: 21.62 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.595 min  
Delta R.T.: 0.000 min  
Response: 2695388  
Conc: 23.21 ug/ml m