

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\F101124AL\  
 Data File : FC067408.D  
 Signal(s) : FID1A.ch  
 Acq On : 11 Oct 2024 19:42  
 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 10/14/2024  
 Supervised By :Ankita Jodhani 10/14/2024

Integration File: autoint1.e  
 Quant Time: Oct 14 03:24:57 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 100224.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Oct 01 09:13:32 2024  
 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)    | 11.503 | 2784624    | 18.300 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 36.60%        |
| 12) S 1-chlorooctadecane (S... | 12.942 | 2070747    | 18.294 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 36.59%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.276  | 2538045    | 20.023 ug/ml  |
| 2) T n-Decane (C10)            | 4.342  | 2575570    | 20.037 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 5.922  | 2829476    | 19.946 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.359  | 2563214    | 19.753 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 6.978  | 2707060    | 19.732 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.152  | 2485758    | 19.300 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.751  | 2512797    | 18.876 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.191 | 2503828    | 18.465 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.500 | 2393955    | 18.335 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.111 | 2351820    | 18.337 ug/ml  |
| 13) T n-Docosane (C22)         | 13.696 | 2333543    | 18.275 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.797 | 2324447    | 18.175 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.817 | 2290559    | 18.167 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.765 | 2273739    | 18.099 ug/mlm |
| 17) T n-Tricontane (C30)       | 17.652 | 2314557    | 17.967 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.483 | 2294898    | 18.370 ug/mlm |
| 19) T n-Tetratriacontane (C34) | 19.267 | 2025443    | 18.535 ug/mlm |
| 20) T n-Hexatriacontane (C36)  | 20.005 | 1749945    | 18.515 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 20.731 | 1876713    | 21.399 ug/mlm |
| 22) T n-Tetracontane (C40)     | 21.618 | 1758411    | 20.435 ug/mlm |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Misc :  
ALS Vial : 2 Sample Multiplier: 1

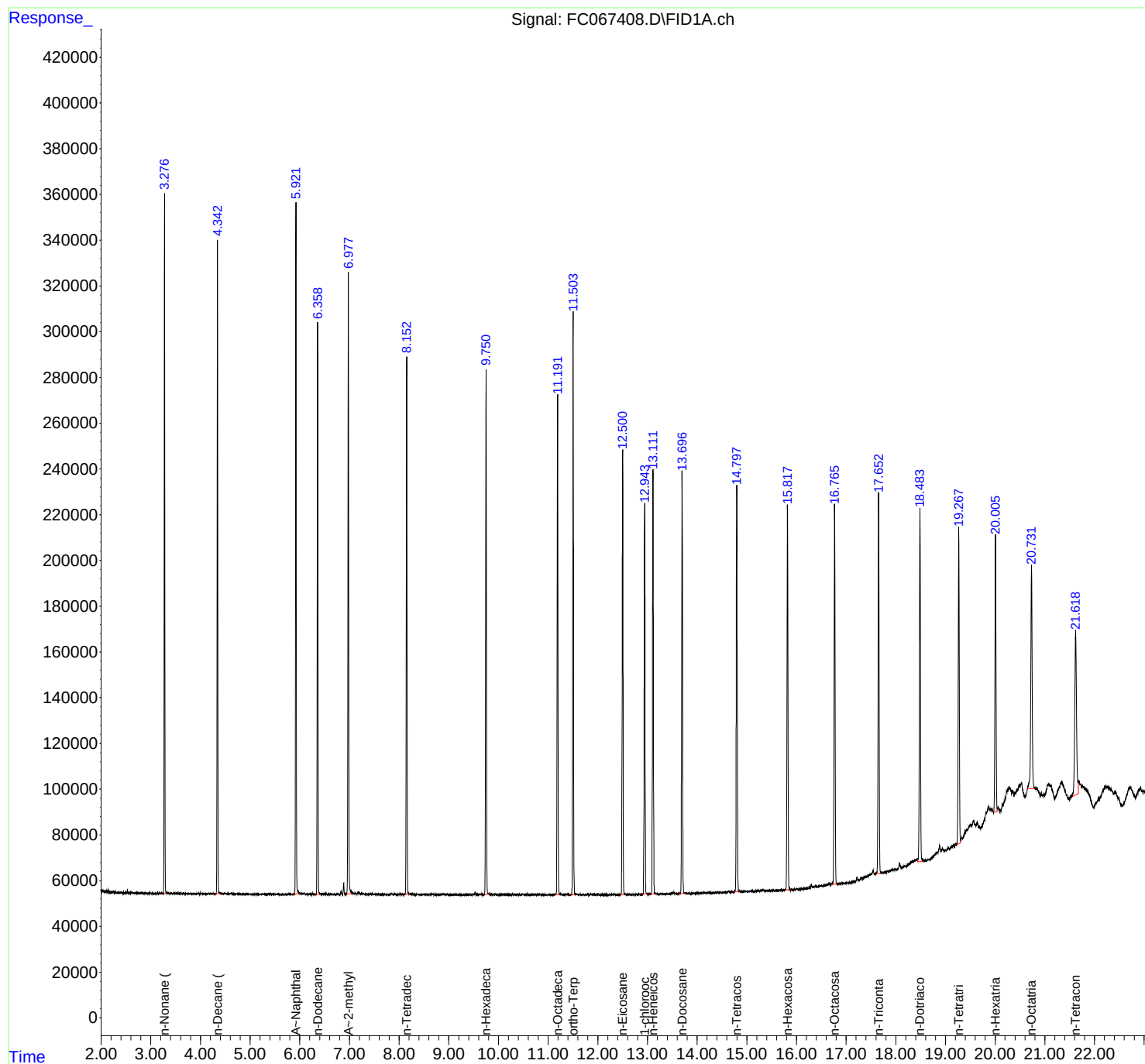
Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

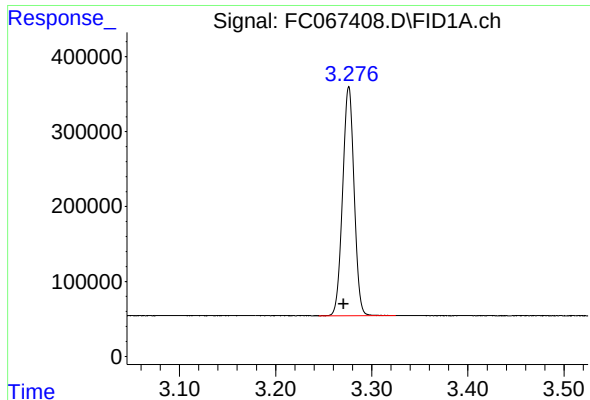
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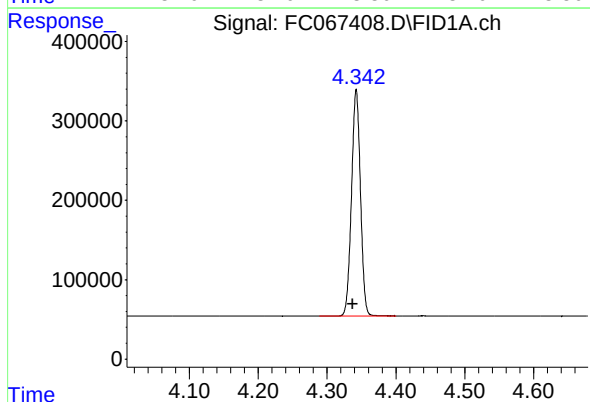
#1 n-Nonane (C9)

R.T.: 3.276 min  
Delta R.T.: 0.005 min  
Response: 2538045  
Conc: 20.02 ug/ml

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

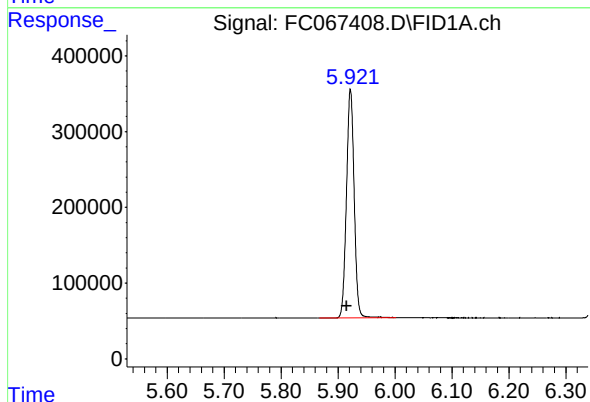
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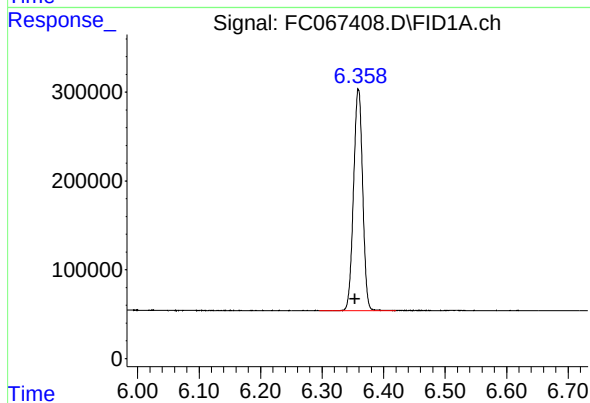
#2 n-Decane (C10)

R.T.: 4.342 min  
Delta R.T.: 0.005 min  
Response: 2575570  
Conc: 20.04 ug/ml



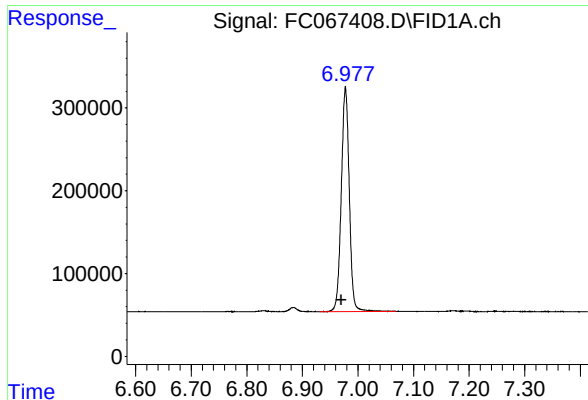
#3 A~Naphthalene (C11.7)

R.T.: 5.922 min  
Delta R.T.: 0.007 min  
Response: 2829476  
Conc: 19.95 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.359 min  
Delta R.T.: 0.006 min  
Response: 2563214  
Conc: 19.75 ug/ml



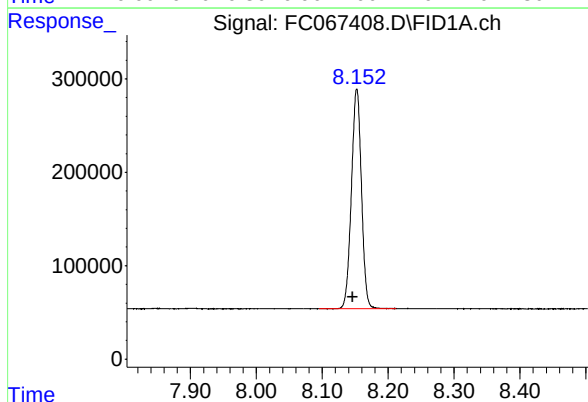
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.978 min  
Delta R.T.: 0.008 min  
Response: 2707060  
Conc: 19.73 ug/ml

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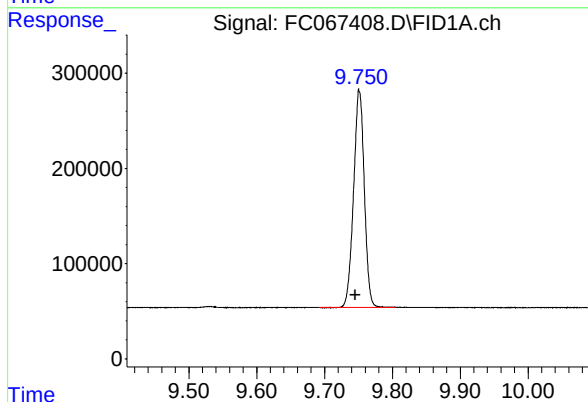
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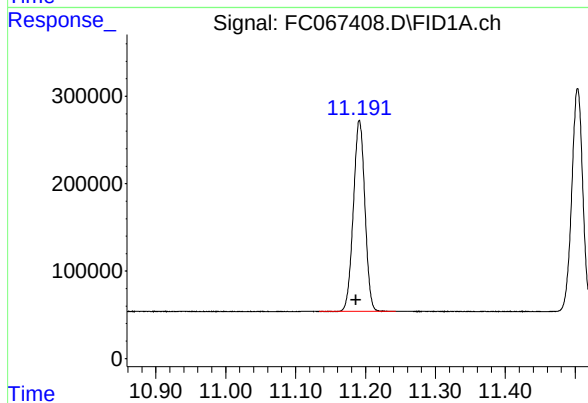
#6 n-Tetradecane (C14)

R.T.: 8.152 min  
Delta R.T.: 0.006 min  
Response: 2485758  
Conc: 19.30 ug/ml



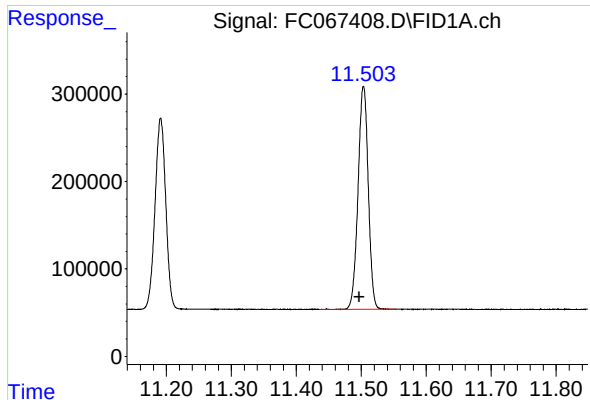
#7 n-Hexadecane (C16)

R.T.: 9.751 min  
Delta R.T.: 0.006 min  
Response: 2512797  
Conc: 18.88 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.191 min  
Delta R.T.: 0.005 min  
Response: 2503828  
Conc: 18.46 ug/ml



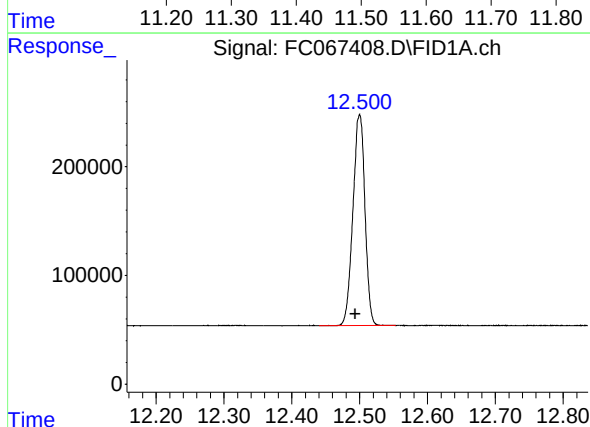
#9 ortho-Terphenyl (SURR)

R.T.: 11.503 min  
Delta R.T.: 0.006 min  
Response: 2784624  
Conc: 18.30 ug/ml

Instrument :  
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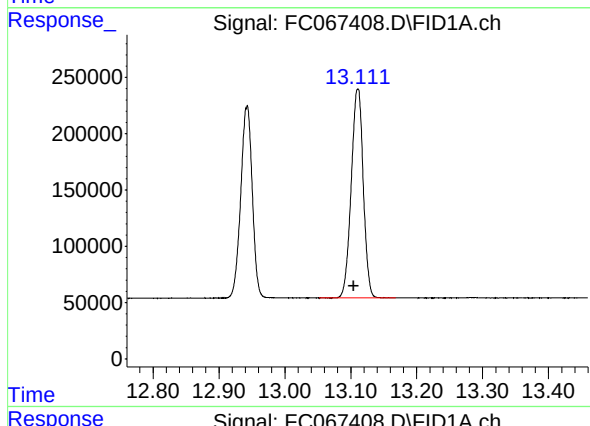
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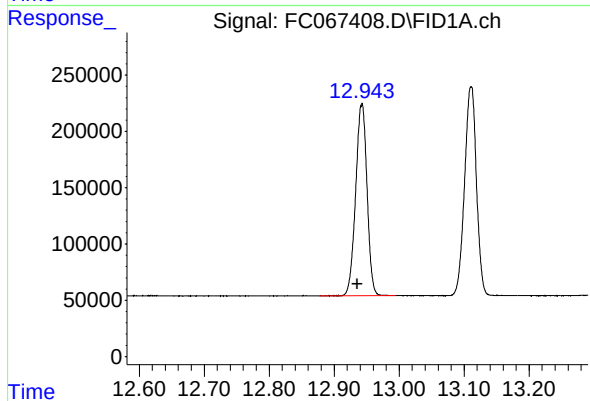
#10 n-Eicosane (C20)

R.T.: 12.500 min  
Delta R.T.: 0.006 min  
Response: 2393955  
Conc: 18.33 ug/ml



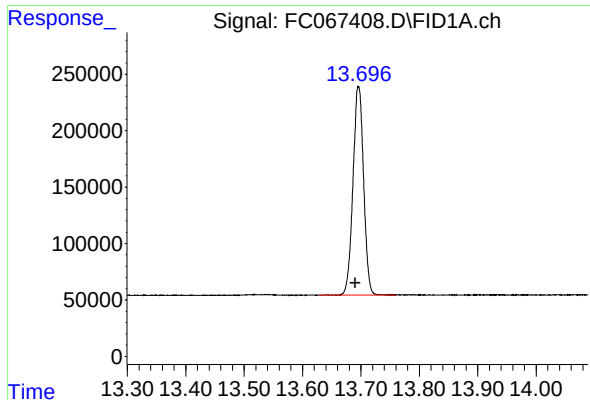
#11 n-Heneicosane (C21)

R.T.: 13.111 min  
Delta R.T.: 0.006 min  
Response: 2351820  
Conc: 18.34 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.942 min  
Delta R.T.: 0.007 min  
Response: 2070747  
Conc: 18.29 ug/ml



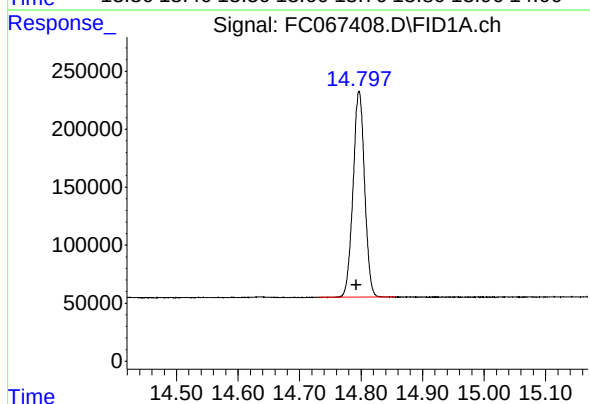
#13 n-Docosane (C22)

R.T.: 13.696 min  
Delta R.T.: 0.006 min  
Response: 2333543  
Conc: 18.28 ug/ml

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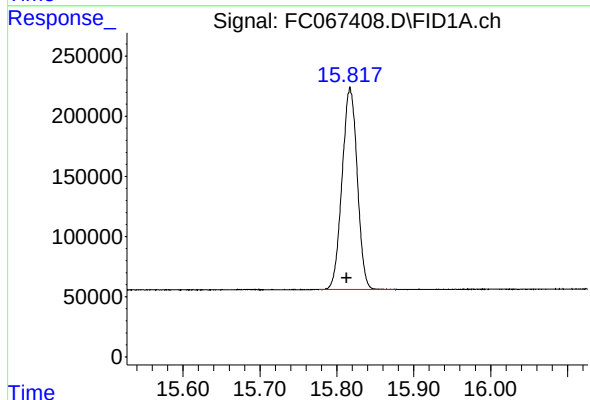
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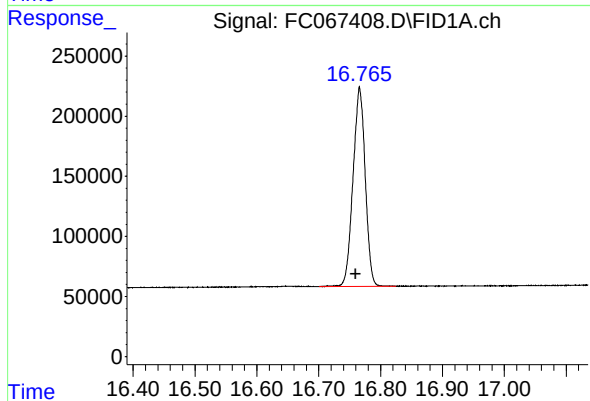
#14 n-Tetracosane (C24)

R.T.: 14.797 min  
Delta R.T.: 0.005 min  
Response: 2324447  
Conc: 18.18 ug/ml



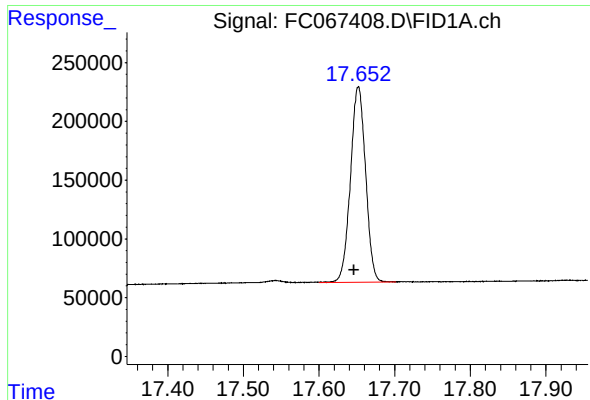
#15 n-Hexacosane (C26)

R.T.: 15.817 min  
Delta R.T.: 0.005 min  
Response: 2290559  
Conc: 18.17 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.765 min  
Delta R.T.: 0.006 min  
Response: 2273739  
Conc: 18.10 ug/ml m



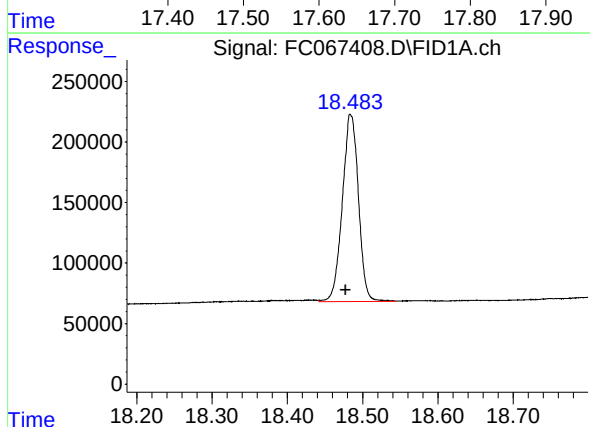
#17 n-Tricontane (C30)

R.T.: 17.652 min  
Delta R.T.: 0.006 min  
Response: 2314557  
Conc: 17.97 ug/ml

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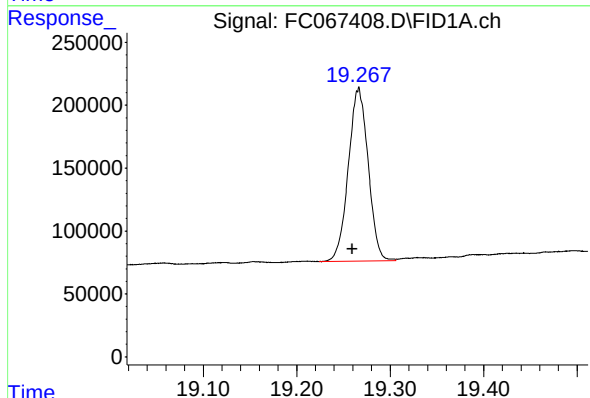
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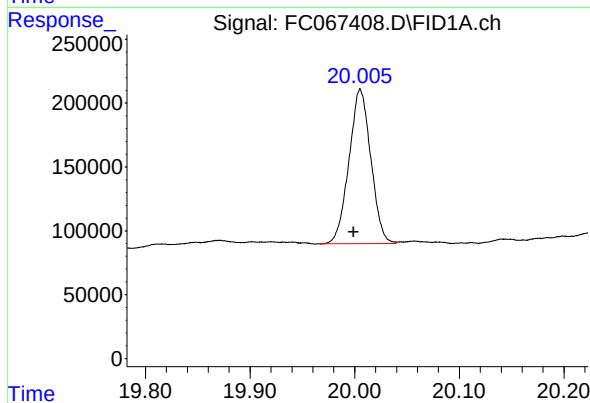
#18 n-Dotriacontane (C32)

R.T.: 18.483 min  
Delta R.T.: 0.006 min  
Response: 2294898  
Conc: 18.37 ug/ml m



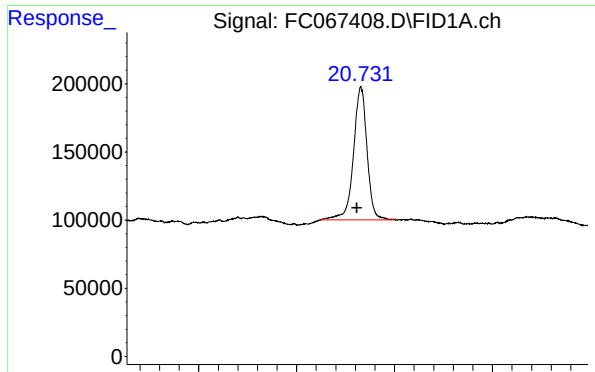
#19 n-Tetratriacontane (C34)

R.T.: 19.267 min  
Delta R.T.: 0.007 min  
Response: 2025443  
Conc: 18.53 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.005 min  
Delta R.T.: 0.006 min  
Response: 1749945  
Conc: 18.51 ug/ml m



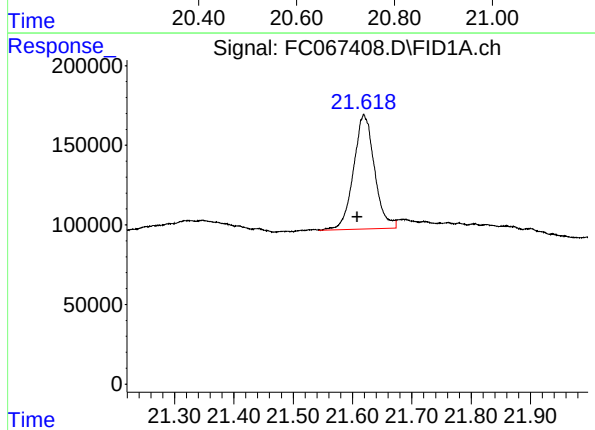
#21 n-Octatriacontane (C38)

R.T.: 20.731 min  
Delta R.T.: 0.008 min  
Response: 1876713  
Conc: 21.40 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.618 min  
Delta R.T.: 0.011 min  
Response: 1758411  
Conc: 20.44 ug/ml m