

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC120224AL\  
 Data File : FC067895.D  
 Signal(s) : FID1A.ch  
 Acq On : 02 Dec 2024 19:44  
 Operator : YP/AJ  
 Sample : P5048-01MSD  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

**Instrument :**

FID\_C

**ClientSampleId :**

MH-746-WCMSD

**Manual Integrations****APPROVED**

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :Ankita Jodhani 12/03/2024

Integration File: autoint1.e

Quant Time: Dec 03 00:02:14 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 111424.M

Quant Title : GC Extractables

QLast Update : Thu Nov 14 14:13:15 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)    | 11.506 | 5451061    | 28.116 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 56.23%        |
| 12) S 1-chlorooctadecane (S... | 12.942 | 4349811    | 29.965 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 59.93%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.294  | 4495237    | 27.559 ug/ml  |
| 2) T n-Decane (C10)            | 4.356  | 5021438    | 30.280 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 5.932  | 5849974    | 31.940 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.368  | 5455135    | 32.389 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 6.986  | 5556622    | 31.331 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.160  | 5862894    | 35.008 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.755  | 6213560    | 35.855 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.195 | 6306961    | 35.847 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.501 | 6264918    | 37.206 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.110 | 5939810    | 36.100 ug/ml  |
| 13) T n-Docosane (C22)         | 13.695 | 5828431    | 35.789 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.769 | 11406871   | 71.123 ug/mlm |
| 15) T n-Hexacosane (C26)       | 15.815 | 5450830    | 35.198 ug/mlm |
| 16) T n-Octacosane (C28)       | 16.763 | 5295759    | 35.066 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.651 | 5298747    | 34.608 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.479 | 5202092    | 35.223 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.261 | 5101445    | 40.446 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.000 | 4835829    | 46.237 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 20.721 | 4729582    | 48.417 ug/ml  |
| 22) T n-Tetracontane (C40)     | 21.607 | 4450578    | 45.663 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta &gt; 1/2 Window

(m)=manual int.

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## Manual Integrations

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Quant Time: Dec 03 00:02:14 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 111424.M

Quant Title : GC Extractables

QLast Update : Thu Nov 14 14:13:15 2024

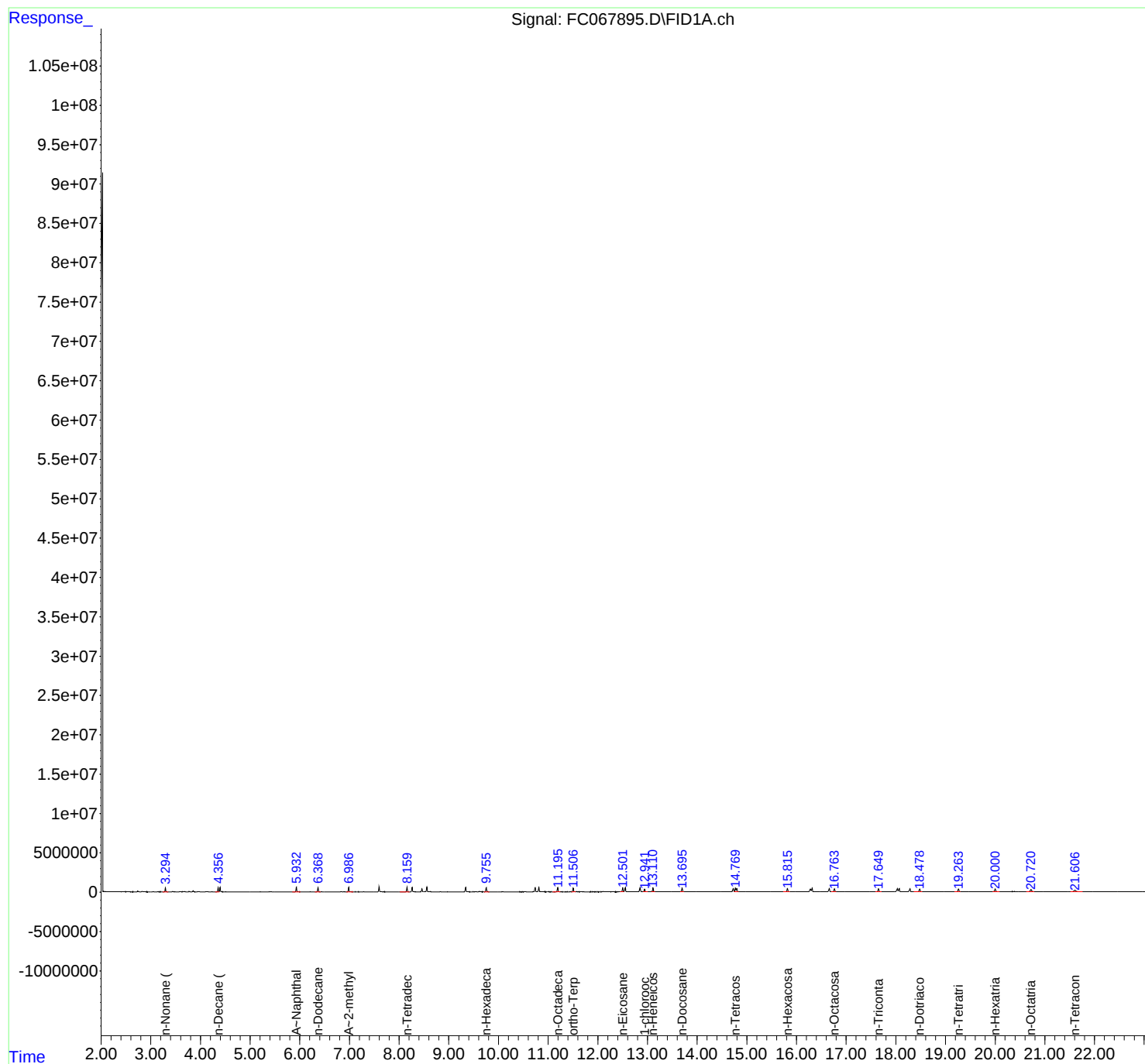
Response via : Initial Calibration

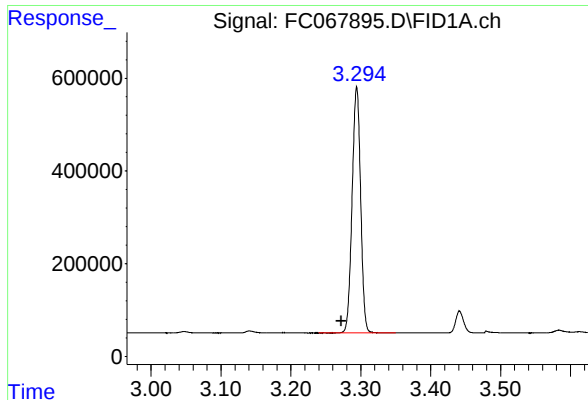
Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um





#1 n-Nonane (C9)

R.T.: 3.294 min  
Delta R.T.: 0.022 min  
Response: 4495237  
Conc: 27.56 ug/ml

Instrument :

FID\_C

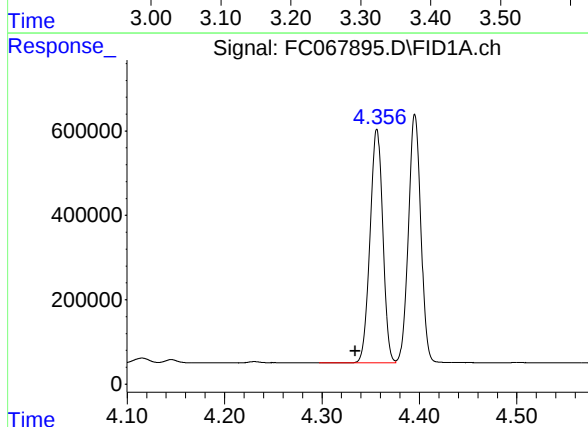
ClientSampleId :

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Manual Integrations

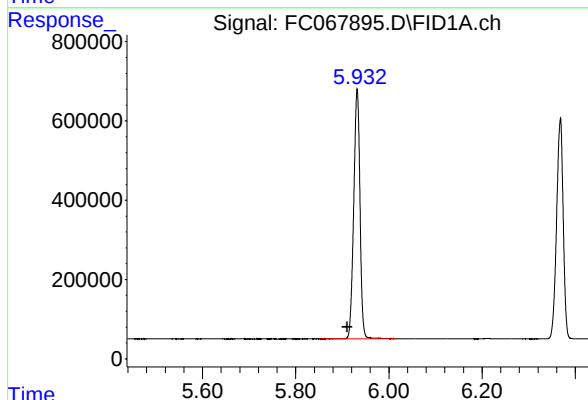
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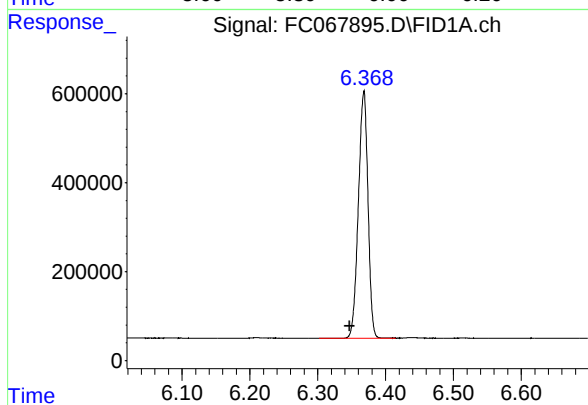
#2 n-Decane (C10)

R.T.: 4.356 min  
Delta R.T.: 0.022 min  
Response: 5021438  
Conc: 30.28 ug/ml



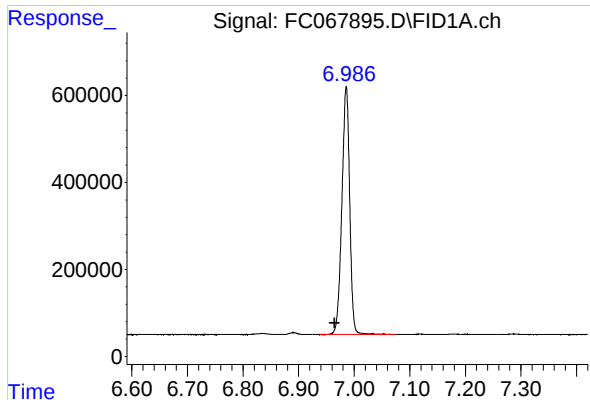
#3 A~Naphthalene (C11.7)

R.T.: 5.932 min  
Delta R.T.: 0.021 min  
Response: 5849974  
Conc: 31.94 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.368 min  
Delta R.T.: 0.020 min  
Response: 5455135  
Conc: 32.39 ug/ml



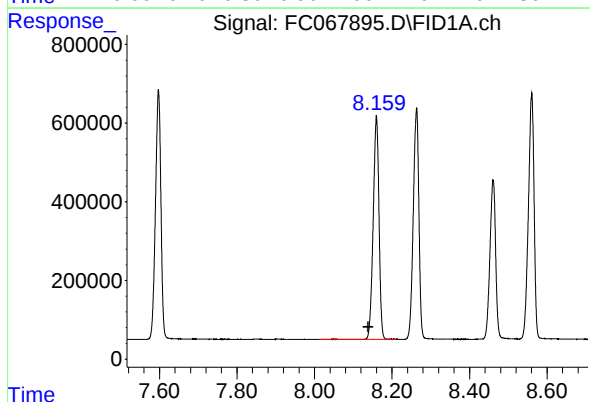
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.986 min  
Delta R.T.: 0.021 min  
Response: 5556622  
Conc: 31.33 ug/ml

Instrument :  
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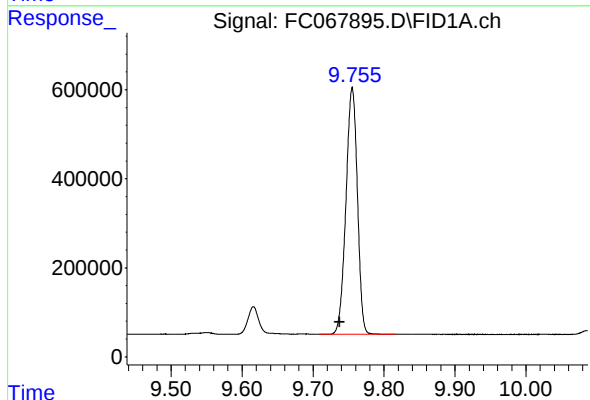
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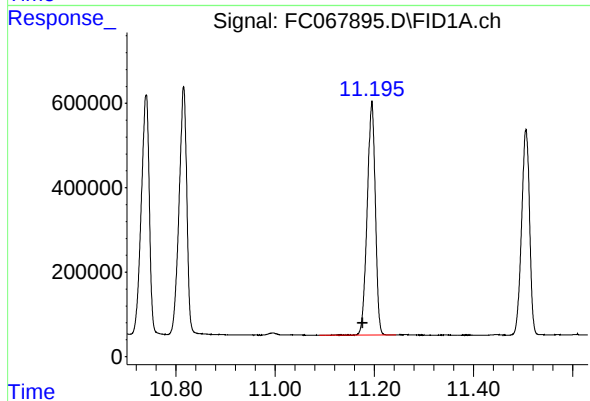
#6 n-Tetradecane (C14)

R.T.: 8.160 min  
Delta R.T.: 0.021 min  
Response: 5862894  
Conc: 35.01 ug/ml



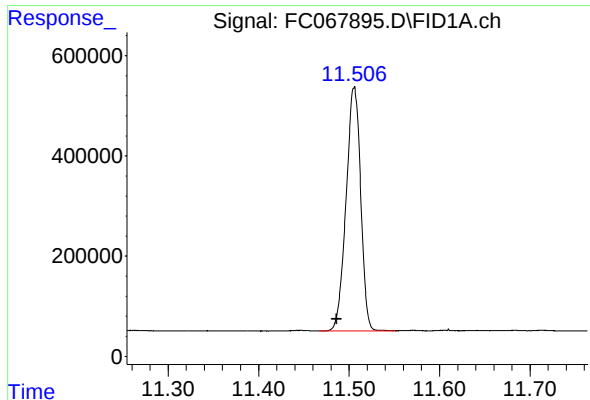
#7 n-Hexadecane (C16)

R.T.: 9.755 min  
Delta R.T.: 0.018 min  
Response: 6213560  
Conc: 35.85 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.195 min  
Delta R.T.: 0.018 min  
Response: 6306961  
Conc: 35.85 ug/ml



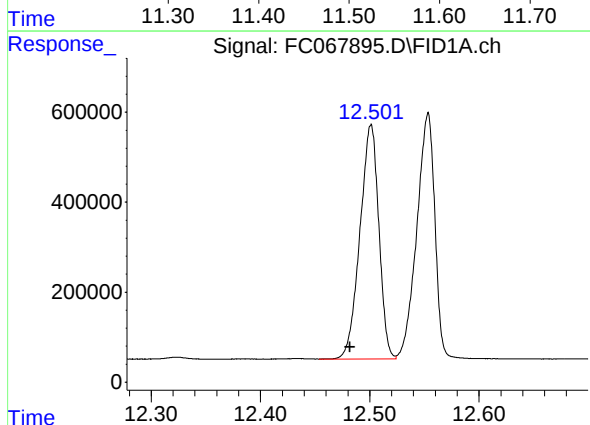
#9 ortho-Terphenyl (SURR)

R.T.: 11.506 min  
Delta R.T.: 0.019 min  
Response: 5451061  
Conc: 28.12 ug/ml

Instrument :  
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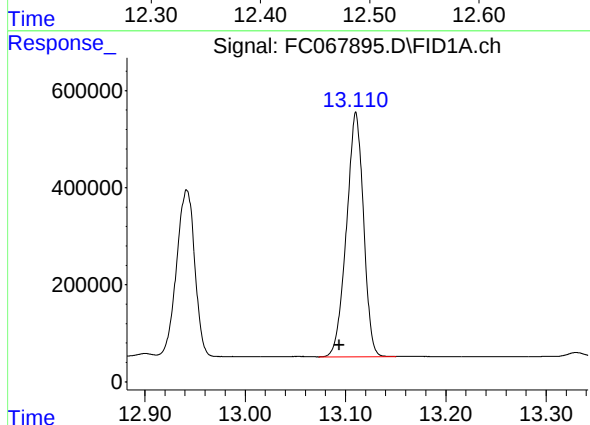
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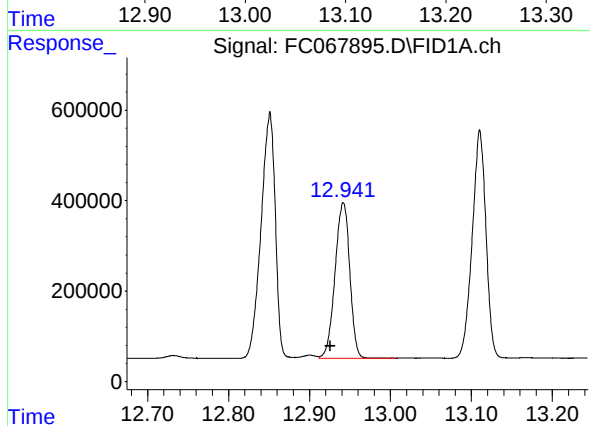
#10 n-Eicosane (C20)

R.T.: 12.501 min  
Delta R.T.: 0.019 min  
Response: 6264918  
Conc: 37.21 ug/ml



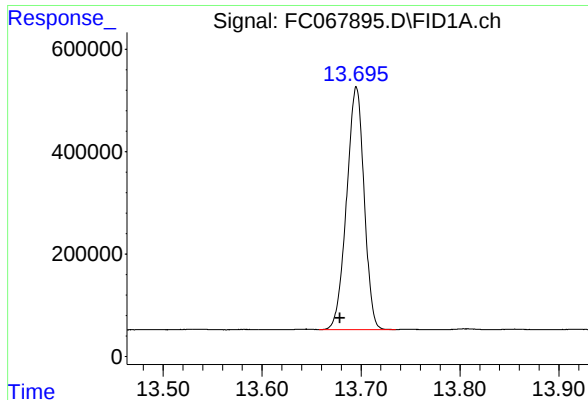
#11 n-Heneicosane (C21)

R.T.: 13.110 min  
Delta R.T.: 0.017 min  
Response: 5939810  
Conc: 36.10 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.942 min  
Delta R.T.: 0.016 min  
Response: 4349811  
Conc: 29.97 ug/ml



#13 n-Docosane (C22)

R.T.: 13.695 min  
Delta R.T.: 0.017 min  
Response: 5828431  
Conc: 35.79 ug/ml

Instrument :

FID\_C

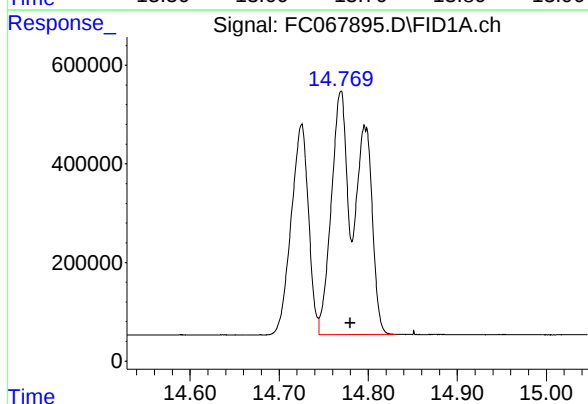
ClientSampleId :

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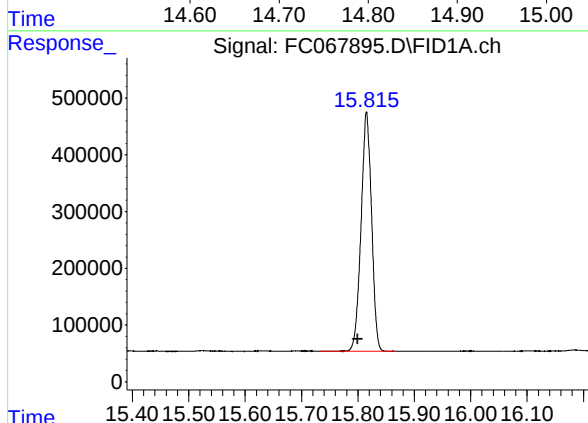
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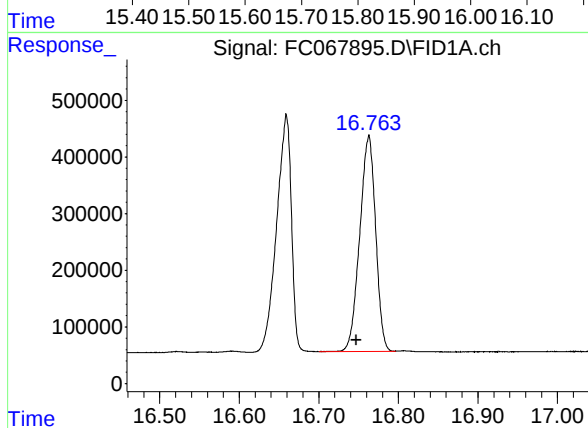
#14 n-Tetracosane (C24)

R.T.: 14.769 min  
Delta R.T.: -0.011 min  
Response: 11406871  
Conc: 71.12 ug/ml m



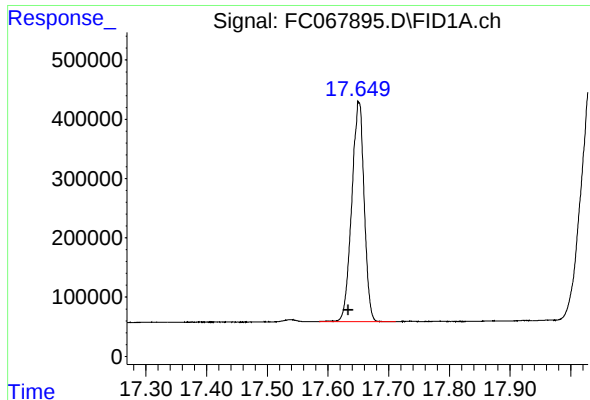
#15 n-Hexacosane (C26)

R.T.: 15.815 min  
Delta R.T.: 0.016 min  
Response: 5450830  
Conc: 35.20 ug/ml m



#16 n-Octacosane (C28)

R.T.: 16.763 min  
Delta R.T.: 0.016 min  
Response: 5295759  
Conc: 35.07 ug/ml



#17 n-Tricontane (C30)

R.T.: 17.651 min  
Delta R.T.: 0.018 min  
Response: 5298747  
Conc: 34.61 ug/ml

Instrument :

FID\_C

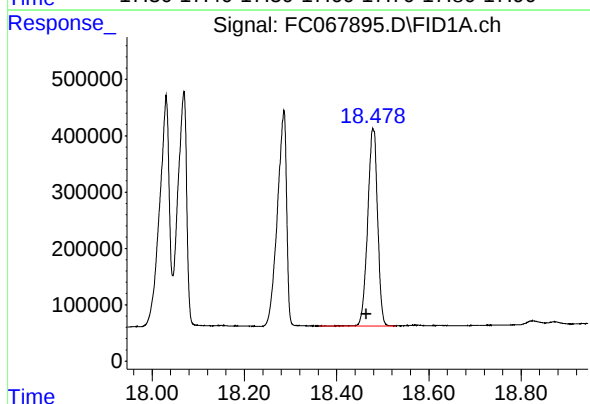
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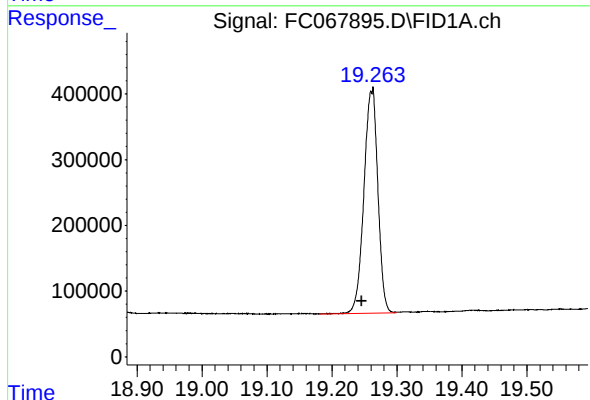
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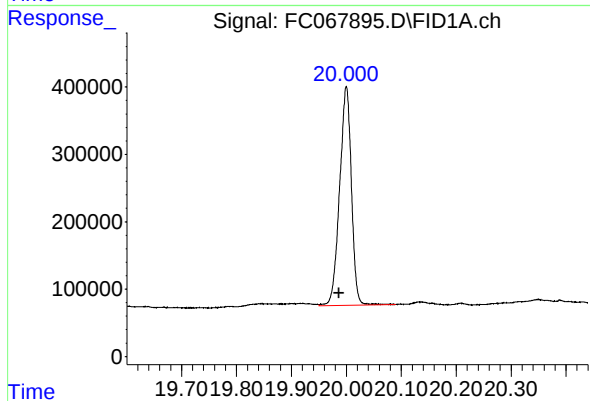
#18 n-Dotriacontane (C32)

R.T.: 18.479 min  
Delta R.T.: 0.014 min  
Response: 5202092  
Conc: 35.22 ug/ml



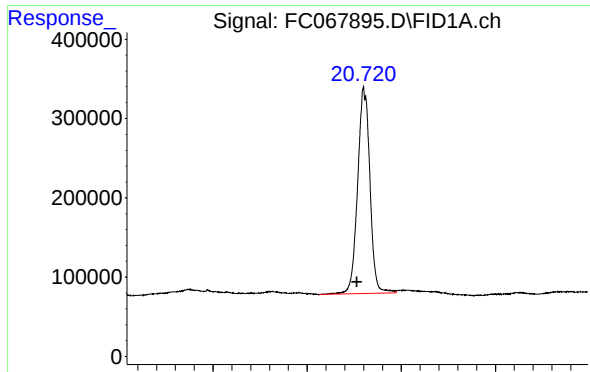
#19 n-Tetratriacontane (C34)

R.T.: 19.261 min  
Delta R.T.: 0.016 min  
Response: 5101445  
Conc: 40.45 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.000 min  
Delta R.T.: 0.014 min  
Response: 4835829  
Conc: 46.24 ug/ml



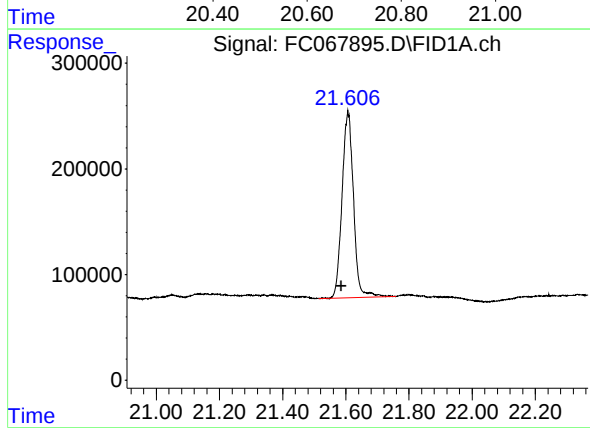
#21 n-Octatriacontane (C38)

R.T.: 20.721 min  
Delta R.T.: 0.015 min  
Response: 4729582  
Conc: 48.42 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.607 min  
Delta R.T.: 0.022 min  
Response: 4450578  
Conc: 45.66 ug/ml