

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\F122623AL\  
 Data File : FC065514.D  
 Signal(s) : FID1A.ch  
 Acq On : 26 Dec 2023 08:43  
 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 12/28/2023  
 Supervised By :Ankita Jodhani 12/28/2023

Integration File: autoint1.e  
 Quant Time: Dec 26 09:14:57 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 121823.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Dec 18 12:39:13 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)    | 11.495 | 4599035    | 20.096 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 40.19%        |
| 12) S 1-chlorooctadecane (S... | 12.928 | 3216008    | 19.675 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 39.35%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.293  | 4065104    | 20.444 ug/ml  |
| 2) T n-Decane (C10)            | 4.352  | 4085126    | 20.377 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 5.934  | 4207538    | 20.935 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.363  | 4166013    | 20.378 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 6.989  | 3850438    | 19.722 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.152  | 4010789    | 20.021 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.746  | 4003670    | 20.001 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.182 | 3934001    | 19.991 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.485 | 3728773    | 19.890 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.094 | 3636755    | 19.939 ug/ml  |
| 13) T n-Docosane (C22)         | 13.677 | 3552603    | 19.690 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.774 | 3445951    | 19.128 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.789 | 3304481    | 19.076 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.736 | 3211733    | 18.727 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.619 | 3237086    | 18.483 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.447 | 3216454    | 18.440 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.227 | 3153855    | 19.061 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 19.964 | 3081566    | 19.086 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 20.682 | 3079965    | 19.420 ug/ml  |
| 22) T n-Tetracontane (C40)     | 21.553 | 2815575    | 17.677 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 : 2 Sample Multiplier: 1

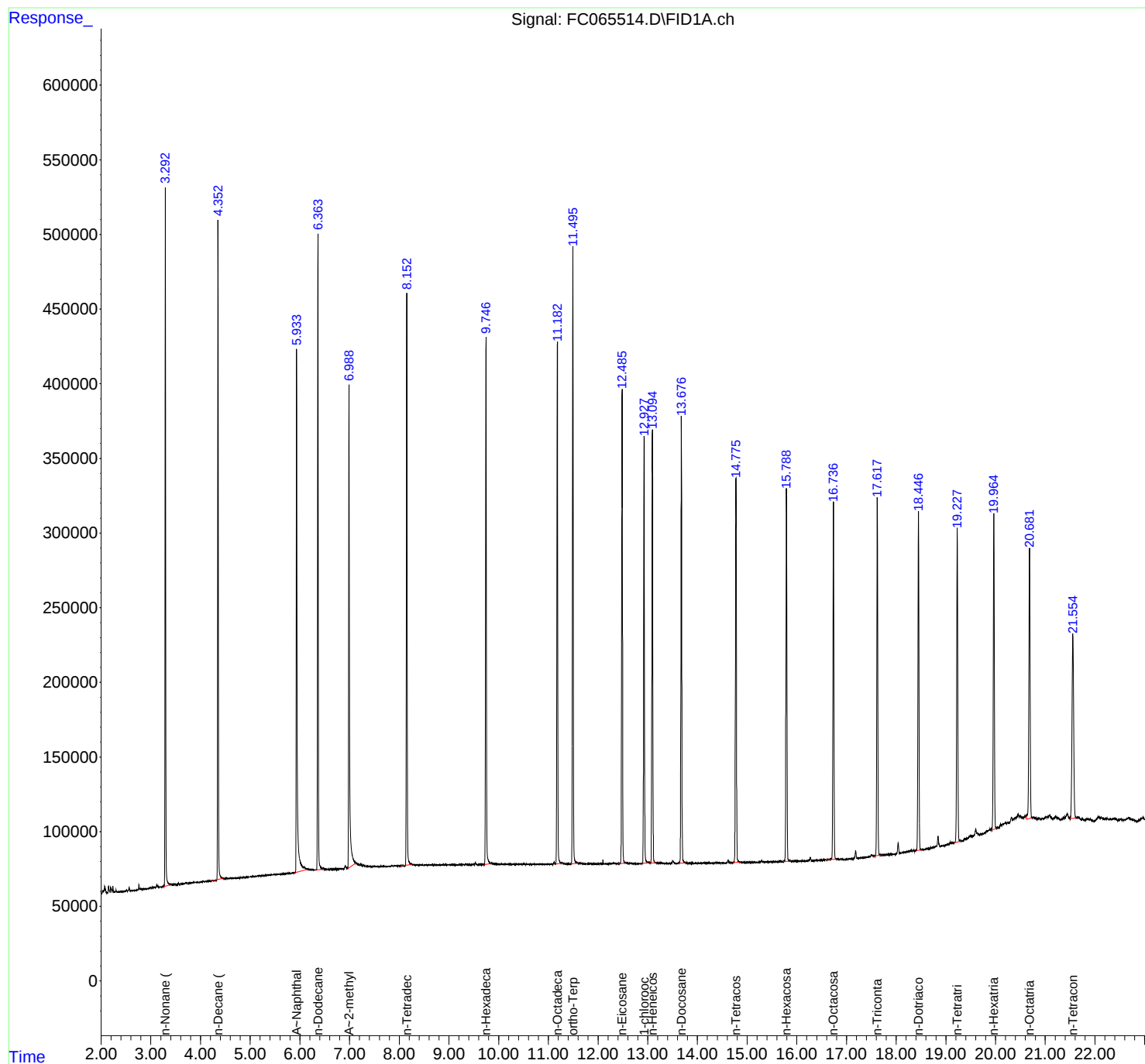
Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

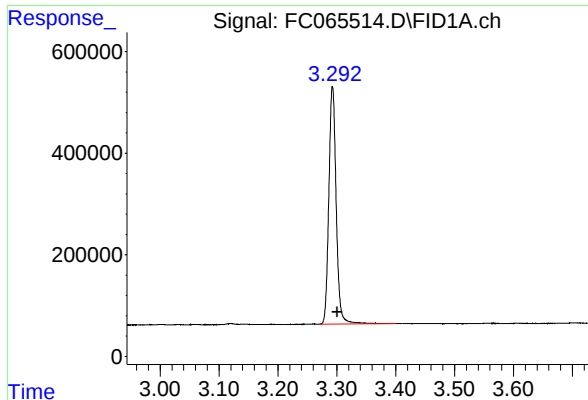
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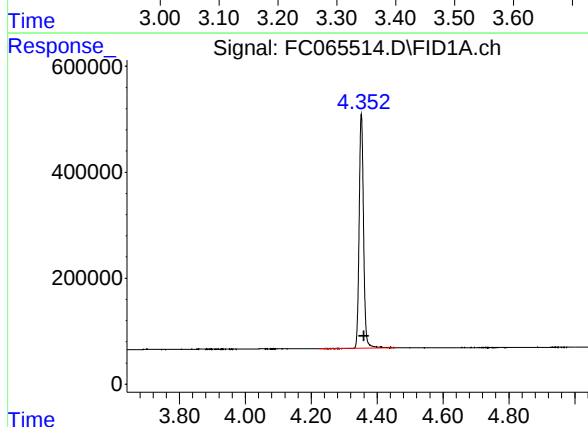
#1 n-Nonane (C9)

R.T.: 3.293 min  
Delta R.T.: -0.008 min  
Response: 4065104  
Conc: 20.44 ug/ml

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

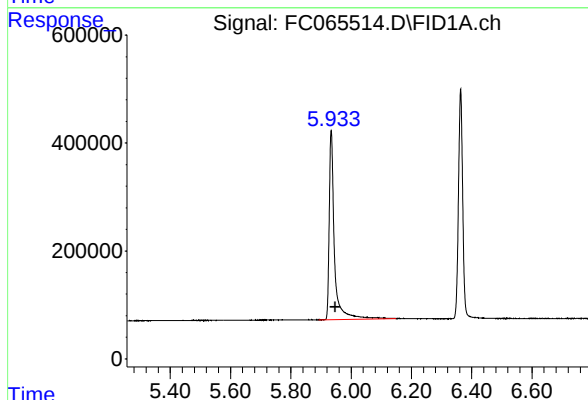
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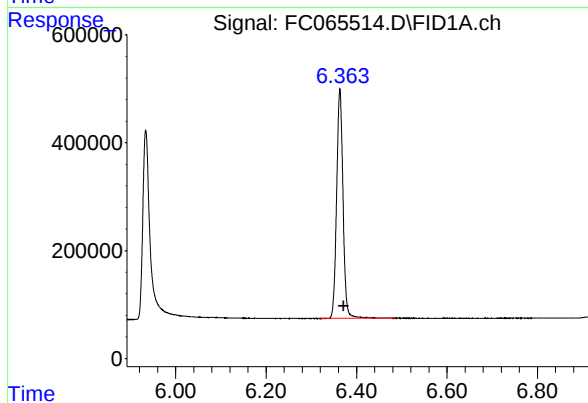
#2 n-Decane (C10)

R.T.: 4.352 min  
Delta R.T.: -0.008 min  
Response: 4085126  
Conc: 20.38 ug/ml



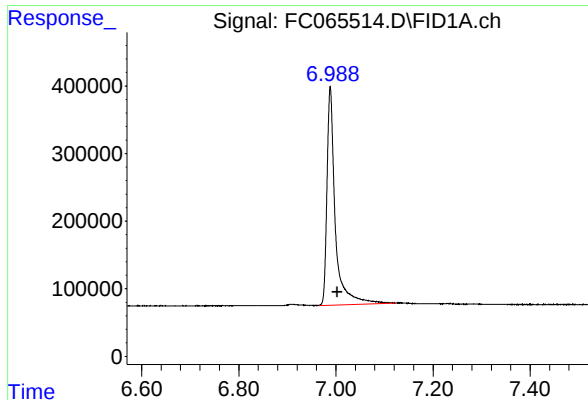
#3 A~Naphthalene (C11.7)

R.T.: 5.934 min  
Delta R.T.: -0.014 min  
Response: 4207538  
Conc: 20.93 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.363 min  
Delta R.T.: -0.008 min  
Response: 4166013  
Conc: 20.38 ug/ml



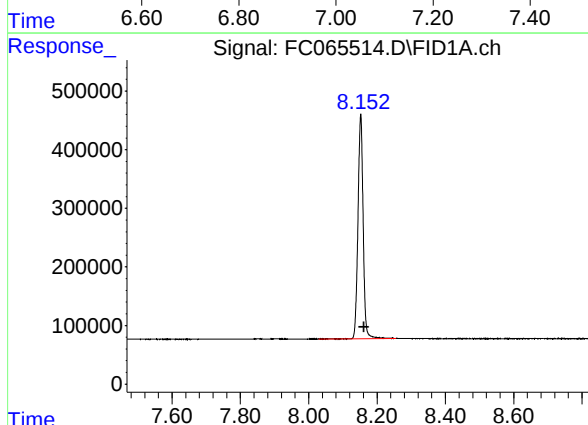
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.989 min  
Delta R.T.: -0.015 min  
Response: 3850438  
Conc: 19.72 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

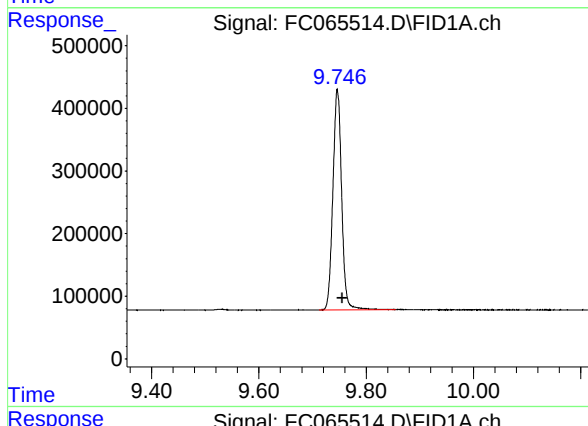
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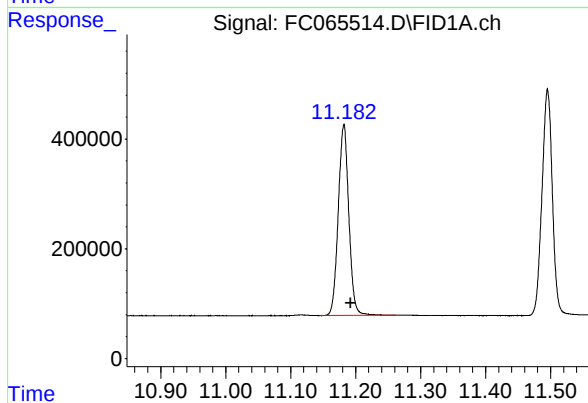
#6 n-Tetradecane (C14)

R.T.: 8.152 min  
Delta R.T.: -0.010 min  
Response: 4010789  
Conc: 20.02 ug/ml



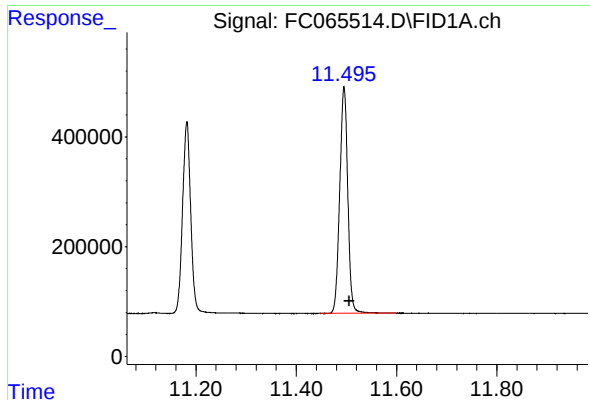
#7 n-Hexadecane (C16)

R.T.: 9.746 min  
Delta R.T.: -0.009 min  
Response: 4003670  
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.182 min  
Delta R.T.: -0.011 min  
Response: 3934001  
Conc: 19.99 ug/ml



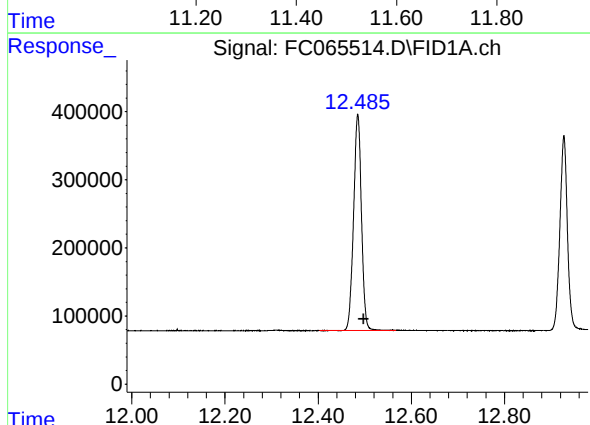
#9 ortho-Terphenyl (SURR)

R.T.: 11.495 min  
Delta R.T.: -0.011 min  
Response: 4599035  
Conc: 20.10 ug/ml

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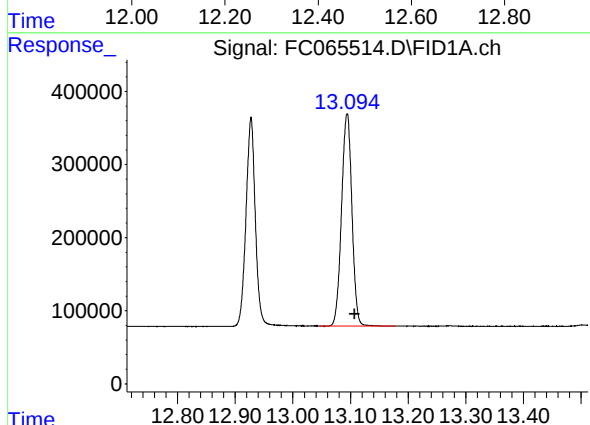
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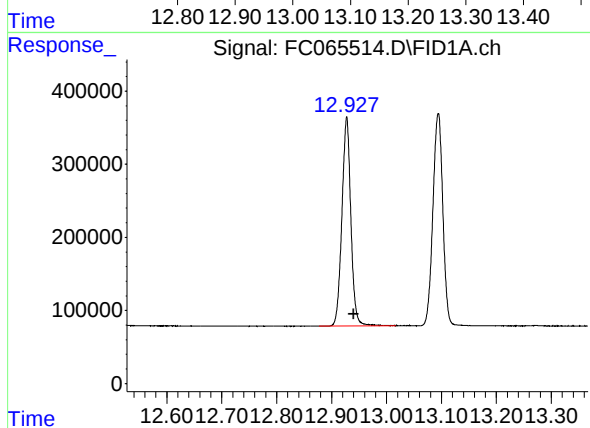
#10 n-Eicosane (C20)

R.T.: 12.485 min  
Delta R.T.: -0.012 min  
Response: 3728773  
Conc: 19.89 ug/ml



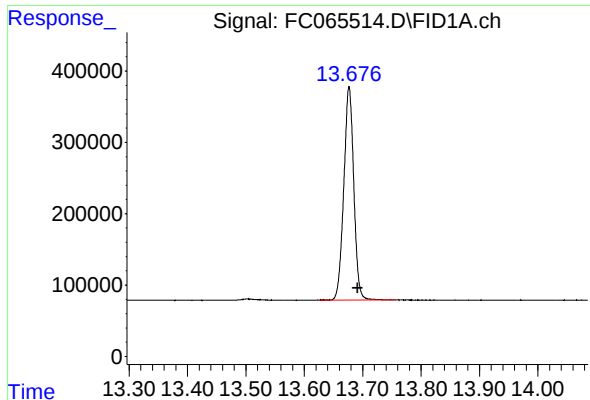
#11 n-Heneicosane (C21)

R.T.: 13.094 min  
Delta R.T.: -0.013 min  
Response: 3636755  
Conc: 19.94 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.928 min  
Delta R.T.: -0.013 min  
Response: 3216008  
Conc: 19.67 ug/ml



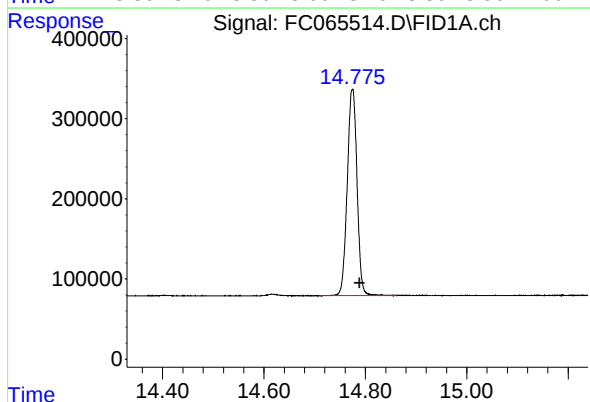
#13 n-Docosane (C22)

R.T.: 13.677 min  
Delta R.T.: -0.014 min  
Response: 3552603  
Conc: 19.69 ug/ml

Instrument :  
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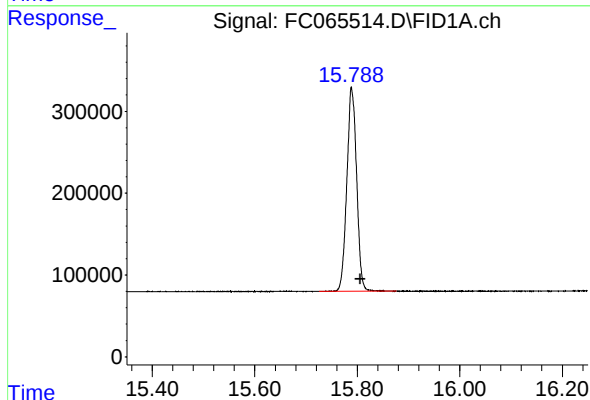
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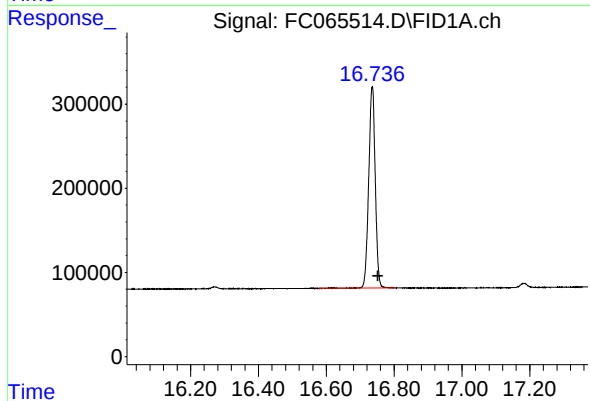
#14 n-Tetracosane (C24)

R.T.: 14.774 min  
Delta R.T.: -0.015 min  
Response: 3445951  
Conc: 19.13 ug/ml



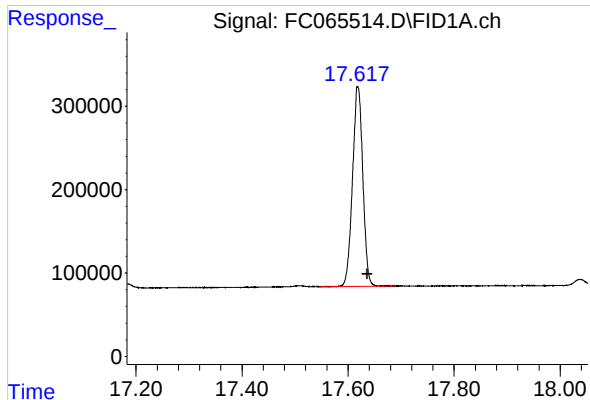
#15 n-Hexacosane (C26)

R.T.: 15.789 min  
Delta R.T.: -0.017 min  
Response: 3304481  
Conc: 19.08 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.736 min  
Delta R.T.: -0.017 min  
Response: 3211733  
Conc: 18.73 ug/ml



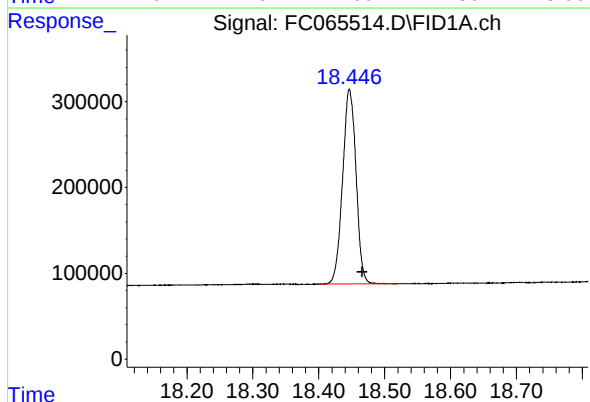
#17 n-Tricontane (C30)

R.T.: 17.619 min  
Delta R.T.: -0.018 min  
Response: 3237086  
Conc: 18.48 ug/ml

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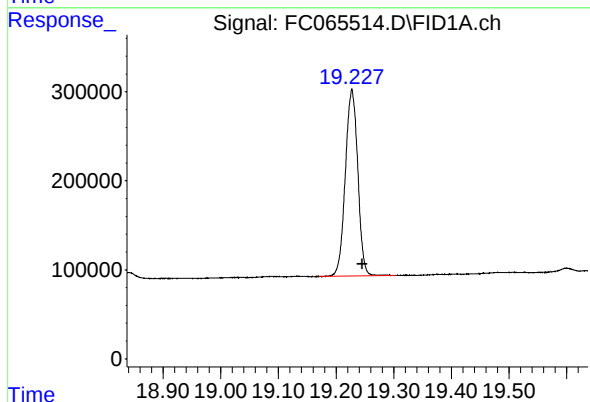
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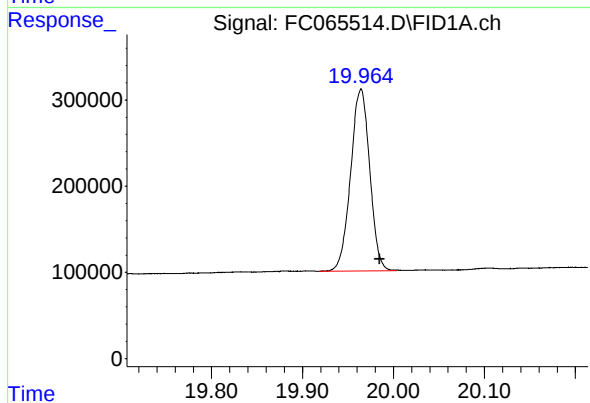
#18 n-Dotriacontane (C32)

R.T.: 18.447 min  
Delta R.T.: -0.020 min  
Response: 3216454  
Conc: 18.44 ug/ml



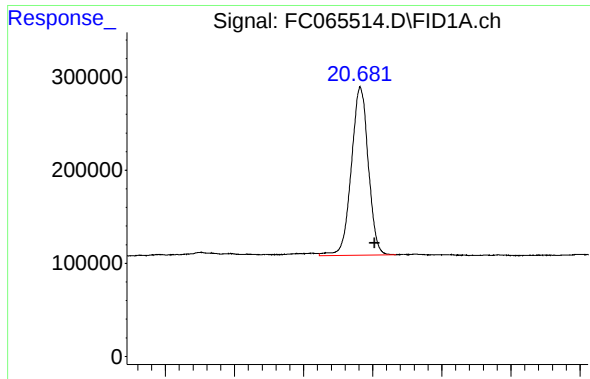
#19 n-Tetatriacontane (C34)

R.T.: 19.227 min  
Delta R.T.: -0.018 min  
Response: 3153855  
Conc: 19.06 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.964 min  
Delta R.T.: -0.021 min  
Response: 3081566  
Conc: 19.09 ug/ml m



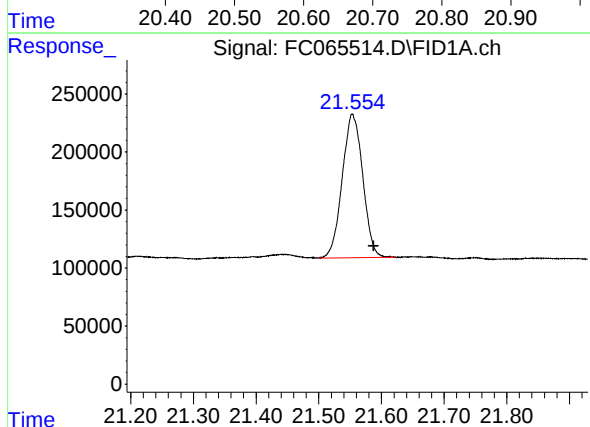
#21 n-Octatriacontane (C38)

R.T.: 20.682 min  
Delta R.T.: -0.021 min  
Response: 3079965  
Conc: 19.42 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.553 min  
Delta R.T.: -0.034 min  
Response: 2815575  
Conc: 17.68 ug/ml