

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG050322AL\  
 Data File : FG009705.D  
 Signal(s) : FID1A.ch  
 Acq On : 03 May 2022 11:27  
 Operator : AJ\MA  
 Sample : 100 PPM ALIPHATIC HC STD1  
 Misc :  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 FID\_G  
 ClientSampleId :  
 100 PPM ALIPHATIC HC STD1

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 05/04/2022  
 Supervised By :mohammad ahmed 05/06/2022

Integration File: sample.E  
 Quant Time: May 03 13:55:10 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH FG050322.M  
 Quant Title : GC Extractables  
 QLast Update : Tue May 03 13:53:42 2022  
 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)    | 10.845 | 14455425   | 95.703 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 191.41%       |
| 12) S 1-chlorooctadecane (S... | 12.292 | 11597466   | 95.778 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 191.56%       |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 2.669  | 12143428   | 97.486 ug/ml  |
| 2) T n-Decane (C10)            | 3.681  | 12066918   | 99.215 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 5.242  | 13486757   | 97.713 ug/ml  |
| 4) T n-Dodecane (C12)          | 5.681  | 12433939   | 98.498 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 6.297  | 13711247   | 100.477 ug/ml |
| 6) T n-Tetradecane (C14)       | 7.479  | 12627014   | 99.741 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.086  | 12882408   | 98.887 ug/ml  |
| 8) T n-Octadecane (C18)        | 10.535 | 13179575   | 96.103 ug/ml  |
| 10) T n-Eicosane (C20)         | 11.849 | 13197975   | 95.687 ug/ml  |
| 11) T n-Heneicosane (C21)      | 12.464 | 13317314   | 95.465 ug/ml  |
| 13) T n-Docosane (C22)         | 13.053 | 13354885   | 95.431 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.162 | 13410337   | 95.346 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.186 | 13334592   | 95.452 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.140 | 13173332   | 95.073 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.032 | 12763980   | 94.217 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 17.865 | 11851116   | 93.680 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 18.652 | 10622619   | 92.996 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 19.393 | 9153390    | 91.893 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 20.129 | 7941002    | 91.767 ug/ml  |
| 22) T n-Tetracontane (C40)     | 21.041 | 7309100    | 91.725 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : AJ\MA  
Sample : 100 PPM ALIPHATIC HC STD1  
Misc :  
ALS Vial : 52 Sample Multiplier: 1

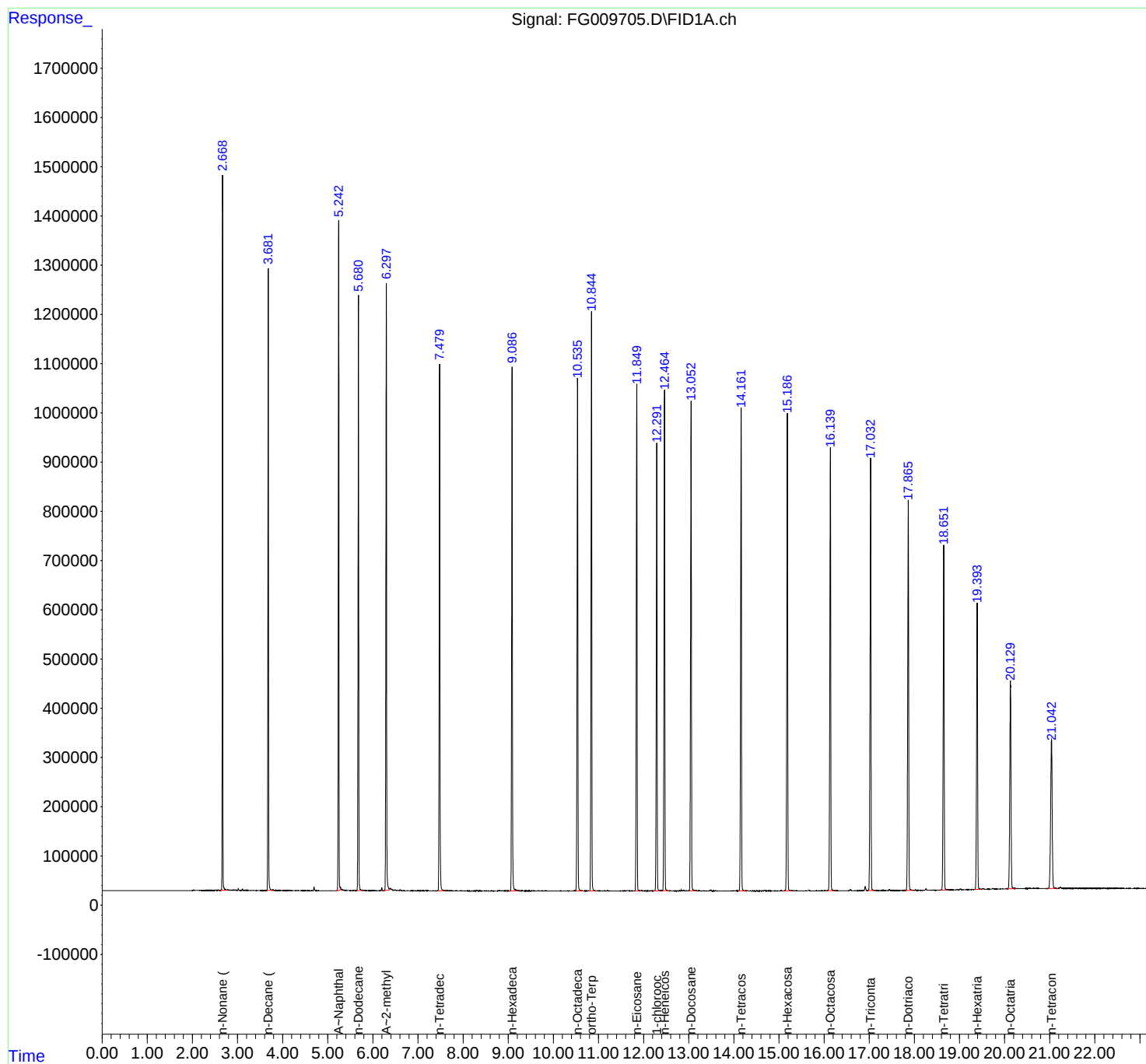
Instrument :  
FID\_G  
ClientSampleId :  
100 PPM ALIPHATIC HC STD1

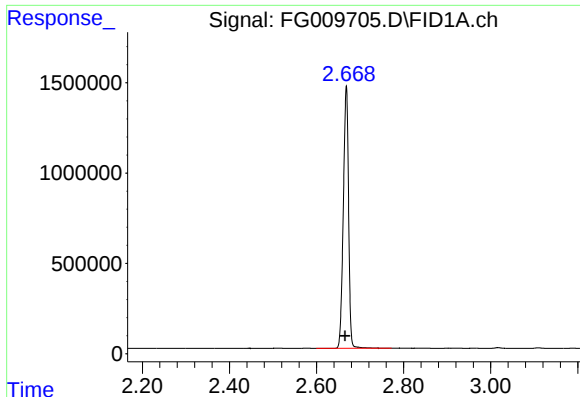
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Signal Phase : Rxi-1ms  
Signal Info : 20M x 0.18mm x 0.18um





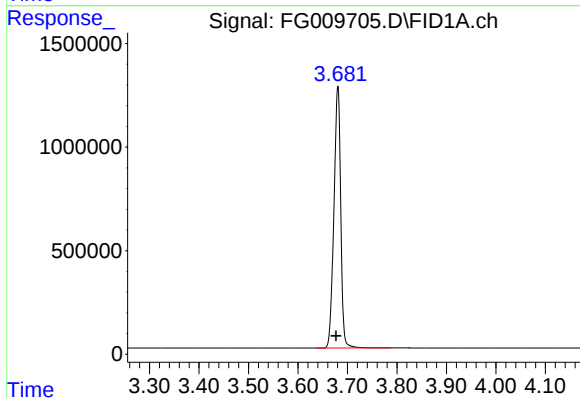
#1 n-Nonane (C9)

R.T.: 2.669 min  
Delta R.T.: 0.003 min  
Response: 12143428  
Conc: 97.49 ug/ml

Instrument :  
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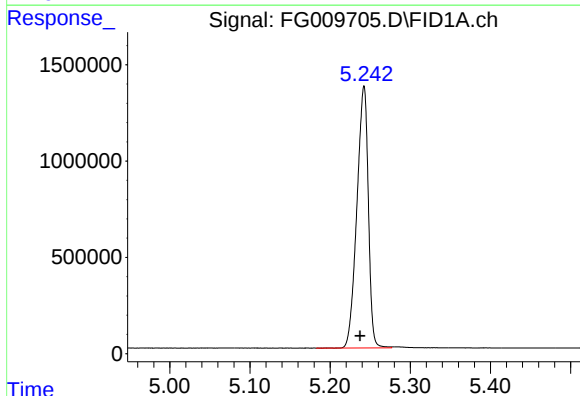
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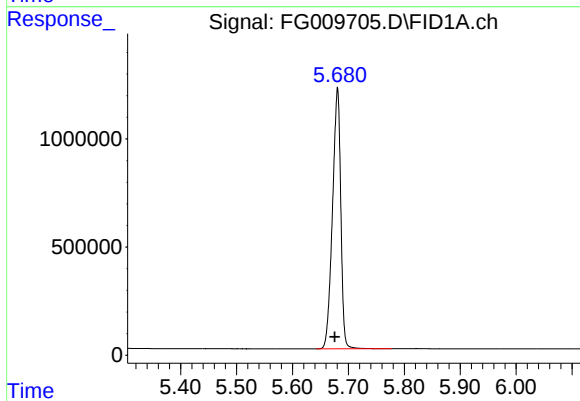
#2 n-Decane (C10)

R.T.: 3.681 min  
Delta R.T.: 0.004 min  
Response: 12066918  
Conc: 99.22 ug/ml



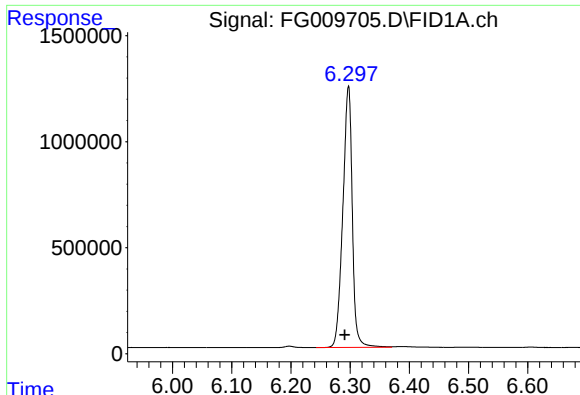
#3 A~Naphthalene (C11.7)

R.T.: 5.242 min  
Delta R.T.: 0.005 min  
Response: 13486757  
Conc: 97.71 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.681 min  
Delta R.T.: 0.005 min  
Response: 12433939  
Conc: 98.50 ug/ml



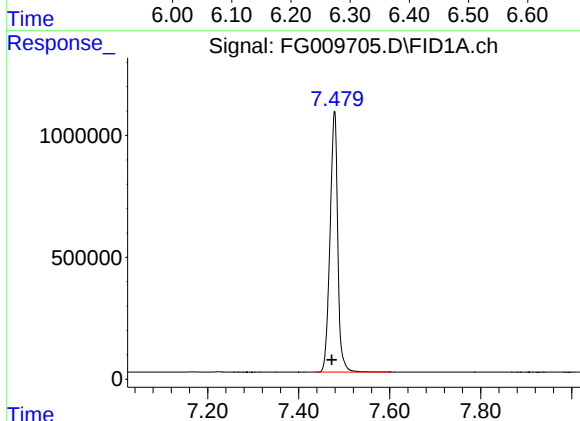
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.297 min  
Delta R.T.: 0.007 min  
Response: 13711247  
Conc: 100.48 ug/ml

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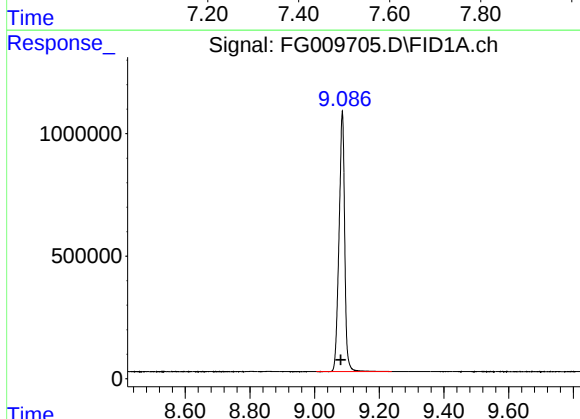
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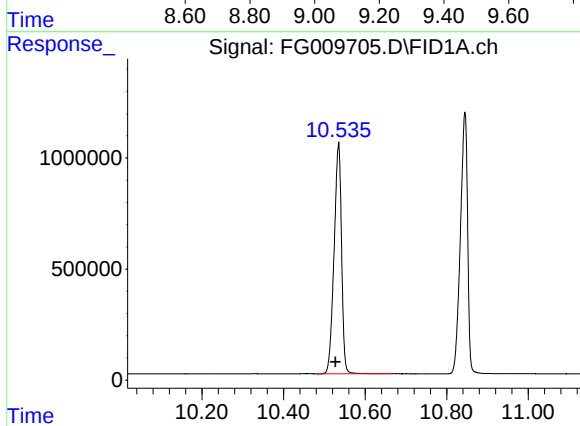
#6 n-Tetradecane (C14)

R.T.: 7.479 min  
Delta R.T.: 0.006 min  
Response: 12627014  
Conc: 99.74 ug/ml



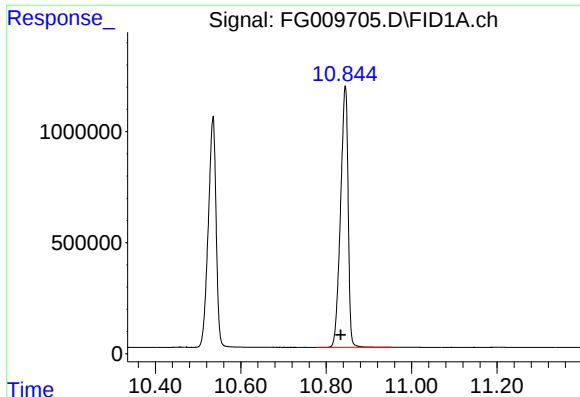
#7 n-Hexadecane (C16)

R.T.: 9.086 min  
Delta R.T.: 0.005 min  
Response: 12882408  
Conc: 98.89 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.535 min  
Delta R.T.: 0.008 min  
Response: 13179575  
Conc: 96.10 ug/ml



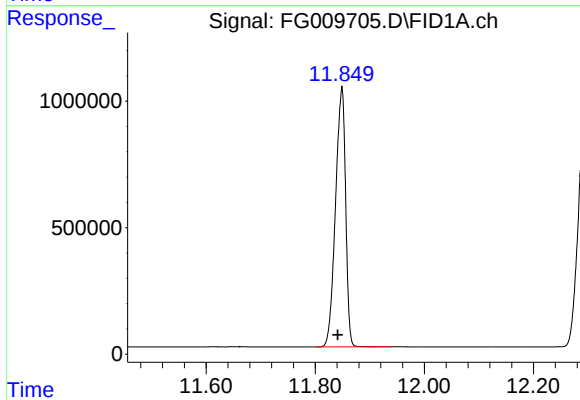
#9 ortho-Terphenyl (SURR)

R.T.: 10.845 min  
Delta R.T.: 0.011 min  
Response: 14455425  
Conc: 95.70 ug/ml

Instrument :  
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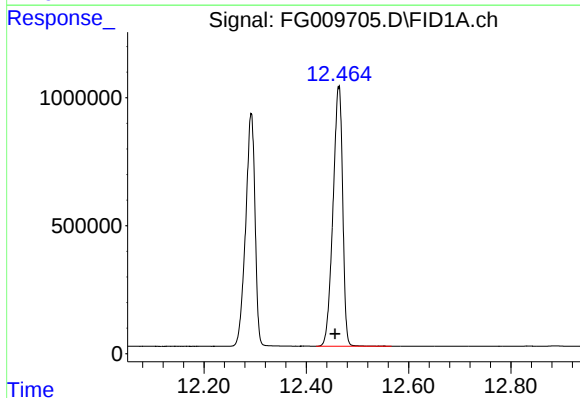
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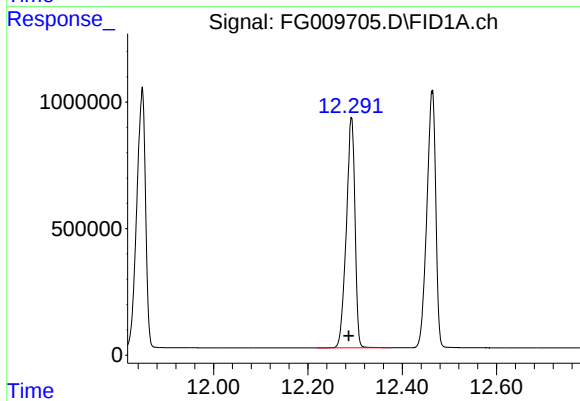
#10 n-Eicosane (C20)

R.T.: 11.849 min  
Delta R.T.: 0.008 min  
Response: 13197975  
Conc: 95.69 ug/ml



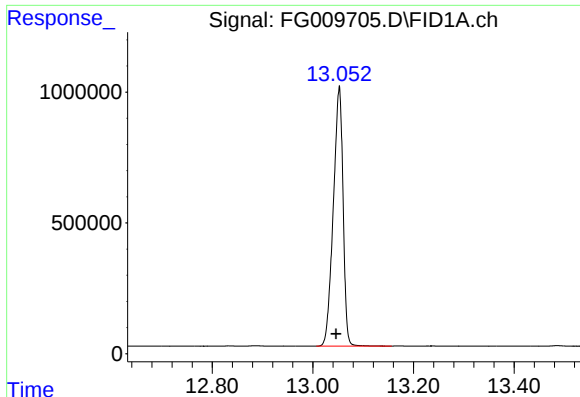
#11 n-Heneicosane (C21)

R.T.: 12.464 min  
Delta R.T.: 0.007 min  
Response: 13317314  
Conc: 95.47 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.292 min  
Delta R.T.: 0.006 min  
Response: 11597466  
Conc: 95.78 ug/ml



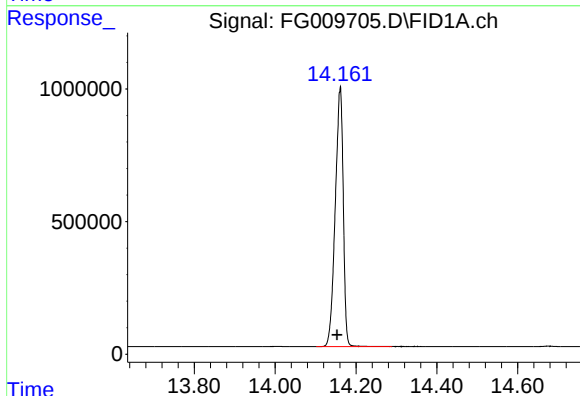
#13 n-Docosane (C22)

R.T.: 13.053 min  
Delta R.T.: 0.007 min  
Response: 13354885  
Conc: 95.43 ug/ml

Instrument :  
FID\_G  
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100 PPM ALIPHATIC HC STD1

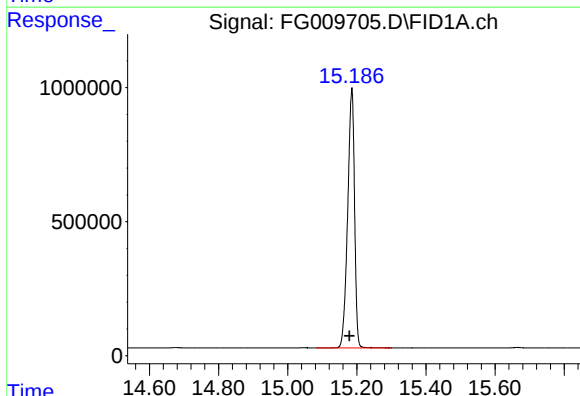
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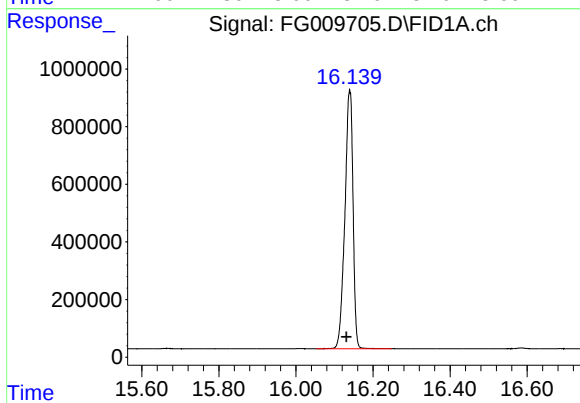
#14 n-Tetracosane (C24)

R.T.: 14.162 min  
Delta R.T.: 0.008 min  
Response: 13410337  
Conc: 95.35 ug/ml



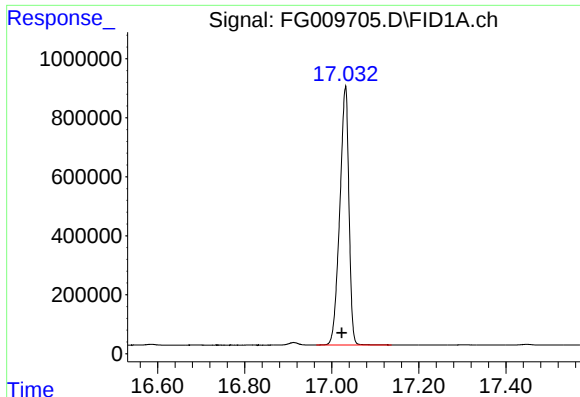
#15 n-Hexacosane (C26)

R.T.: 15.186 min  
Delta R.T.: 0.007 min  
Response: 13334592  
Conc: 95.45 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.140 min  
Delta R.T.: 0.008 min  
Response: 13173332  
Conc: 95.07 ug/ml



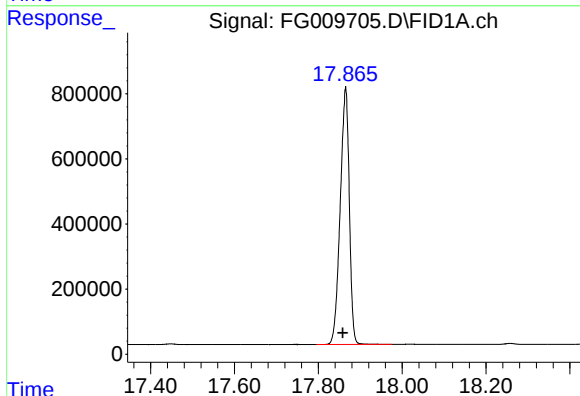
#17 n-Tricontane (C30)

R.T.: 17.032 min  
Delta R.T.: 0.009 min  
Response: 12763980  
Conc: 94.22 ug/ml

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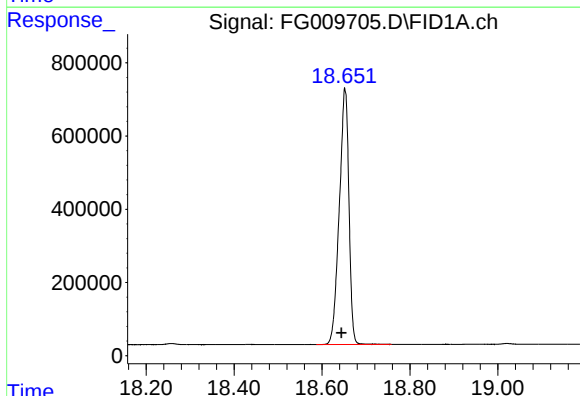
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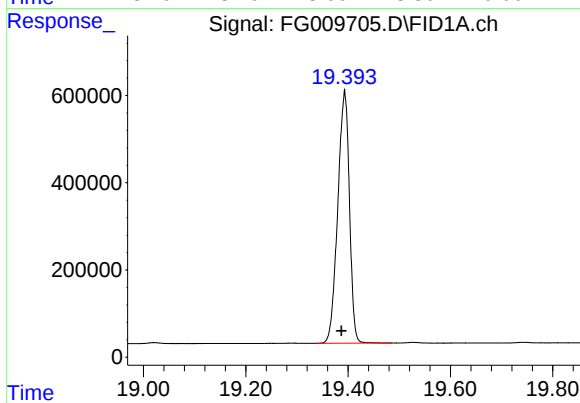
#18 n-Dotriacontane (C32)

R.T.: 17.865 min  
Delta R.T.: 0.007 min  
Response: 11851116  
Conc: 93.68 ug/ml



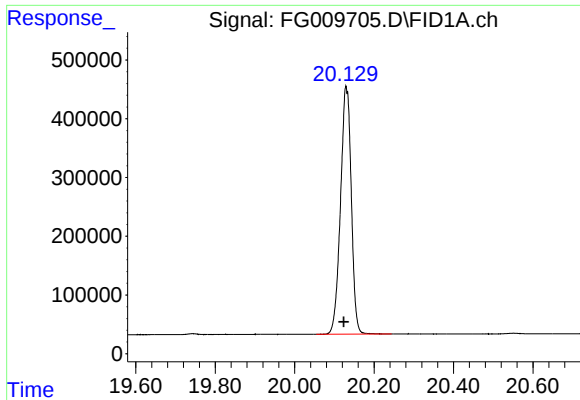
#19 n-Tetratriacontane (C34)

R.T.: 18.652 min  
Delta R.T.: 0.008 min  
Response: 10622619  
Conc: 93.00 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.393 min  
Delta R.T.: 0.006 min  
Response: 9153390  
Conc: 91.89 ug/ml



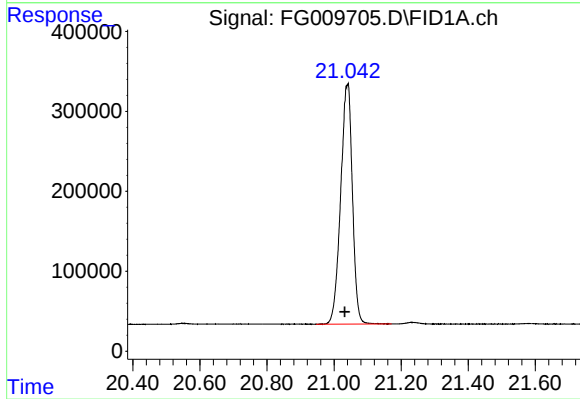
#21 n-Octatriacontane (C38)

R.T.: 20.129 min  
Delta R.T.: 0.005 min  
Response: 7941002  
Conc: 91.77 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.041 min  
Delta R.T.: 0.009 min  
Response: 7309100  
Conc: 91.73 ug/ml