

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC112023AL\  
 Data File : FC065229.D  
 Signal(s) : FID1A.ch  
 Acq On : 20 Nov 2023 14:09  
 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 11/21/2023  
 Supervised By :Ankita Jodhani 11/21/2023

Integration File: autoint1.e  
 Quant Time: Nov 21 00:11:58 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 102823.M  
 Quant Title : GC Extractables  
 QLast Update : Sat Oct 28 02:12:00 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)    | 11.507 | 4430392    | 20.130 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 40.26%        |
| 12) S 1-chlorooctadecane (S... | 12.939 | 3188573    | 20.170 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 40.34%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.306  | 3792340    | 20.058 ug/ml  |
| 2) T n-Decane (C10)            | 4.367  | 3826342    | 20.123 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 5.947  | 3909545    | 20.249 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.377  | 3892324    | 20.149 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.001  | 3850829    | 20.955 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.165  | 3804423    | 20.162 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.758  | 3843207    | 20.332 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.193 | 3819133    | 20.236 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.496 | 3623176    | 20.153 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.105 | 3529815    | 20.105 ug/ml  |
| 13) T n-Docosane (C22)         | 13.688 | 3463845    | 20.165 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.785 | 3327898    | 19.981 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.802 | 3195931    | 19.911 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.746 | 3096215    | 19.784 ug/mlm |
| 17) T n-Tricontane (C30)       | 17.630 | 3149807    | 19.886 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.457 | 3127302    | 19.806 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.239 | 3036107    | 19.891 ug/mlm |
| 20) T n-Hexatriacontane (C36)  | 19.975 | 2985500    | 19.787 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 20.693 | 2932652    | 19.707 ug/ml  |
| 22) T n-Tetracontane (C40)     | 21.569 | 2896510    | 19.694 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Acq On : 20 Nov 2023 14:09  
Operator : YP/AJ  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

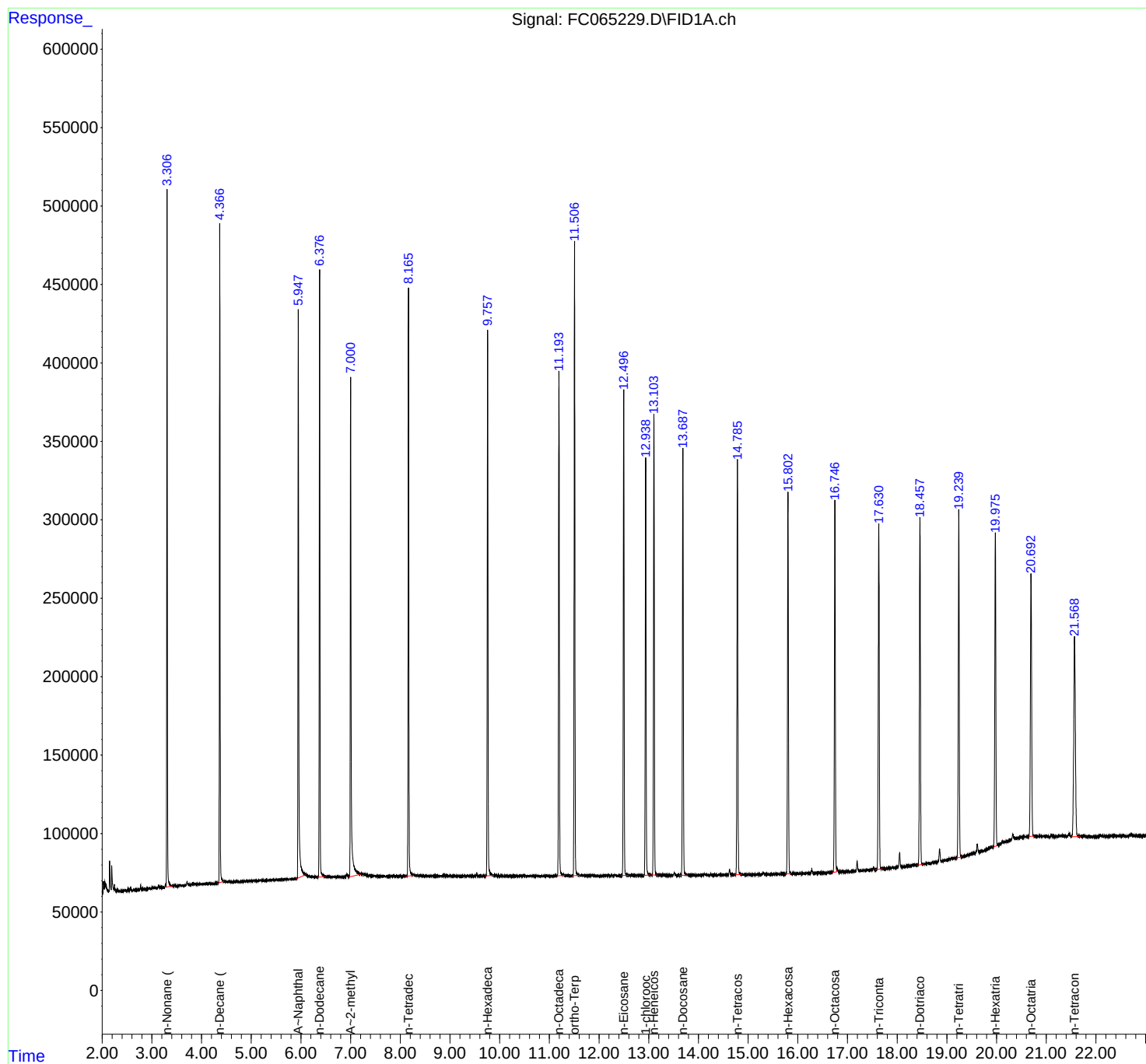
Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

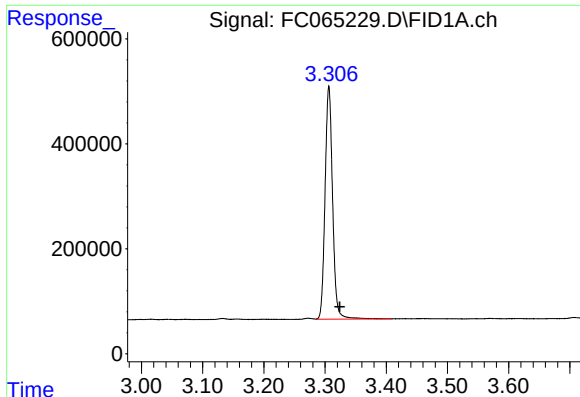
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Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 102823.M  
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Volume Inj. : 1 ul  
Signal Phase : Rxi-1ms  
Signal Info : 20M x 0.18mm x 0.18um





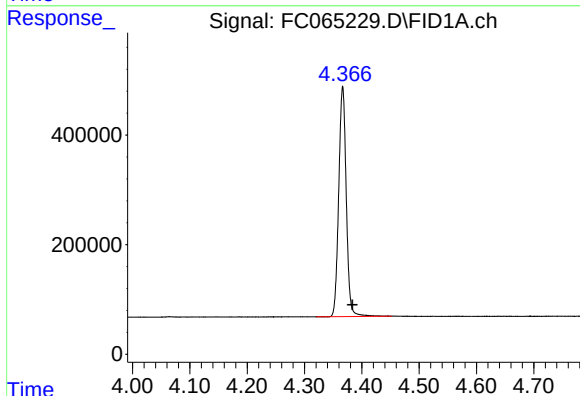
#1 n-Nonane (C9)

R.T.: 3.306 min  
Delta R.T.: -0.018 min  
Response: 3792340  
Conc: 20.06 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

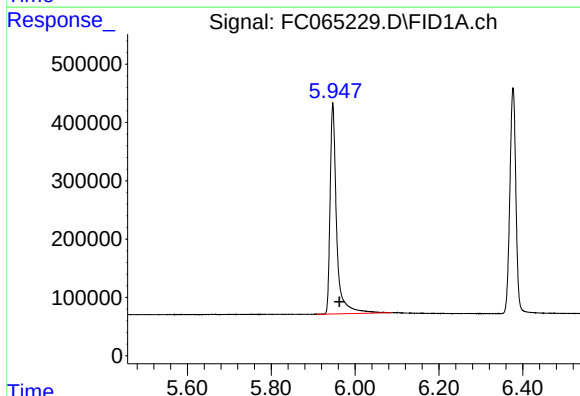
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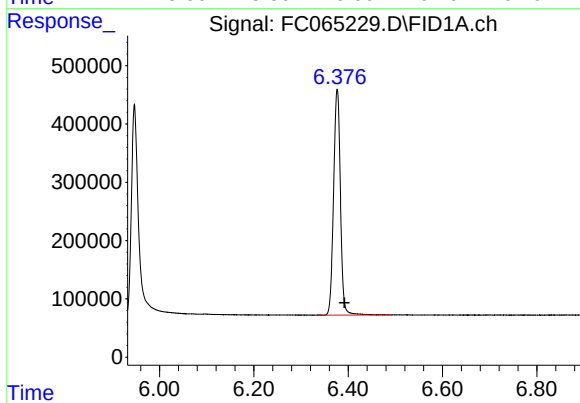
#2 n-Decane (C10)

R.T.: 4.367 min  
Delta R.T.: -0.017 min  
Response: 3826342  
Conc: 20.12 ug/ml



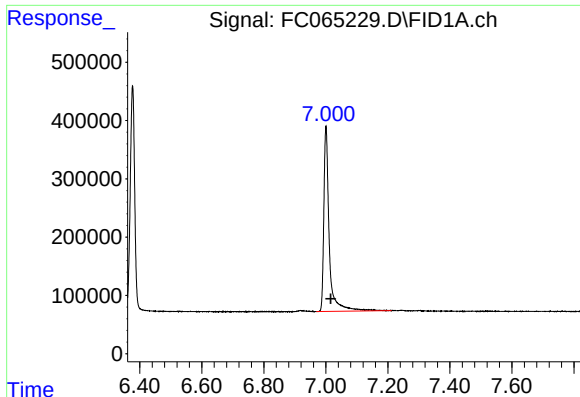
#3 A~Naphthalene (C11.7)

R.T.: 5.947 min  
Delta R.T.: -0.016 min  
Response: 3909545  
Conc: 20.25 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.377 min  
Delta R.T.: -0.015 min  
Response: 3892324  
Conc: 20.15 ug/ml



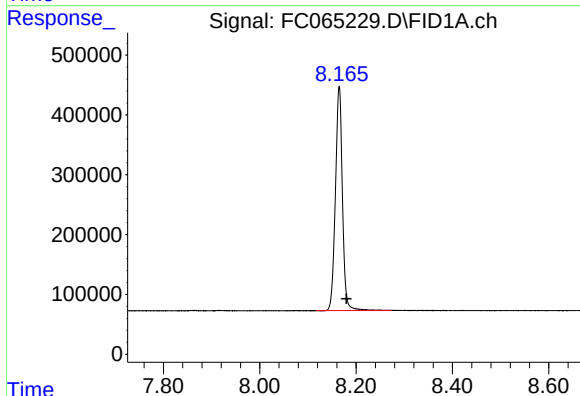
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.001 min  
Delta R.T.: -0.015 min  
Response: 3850829  
Conc: 20.96 ug/ml

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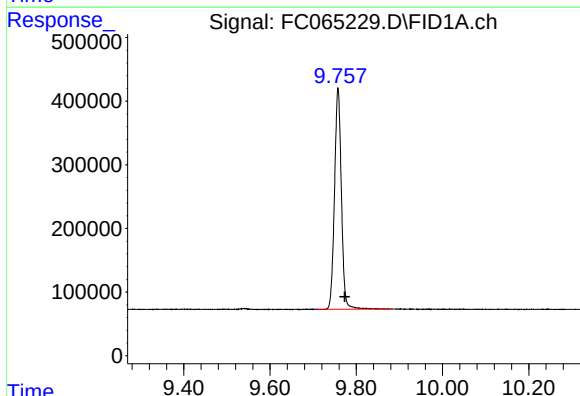
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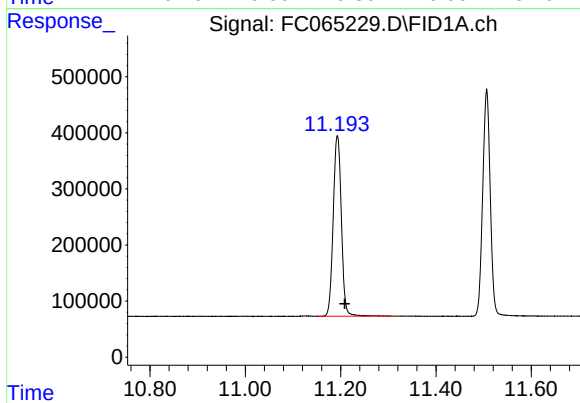
#6 n-Tetradecane (C14)

R.T.: 8.165 min  
Delta R.T.: -0.015 min  
Response: 3804423  
Conc: 20.16 ug/ml



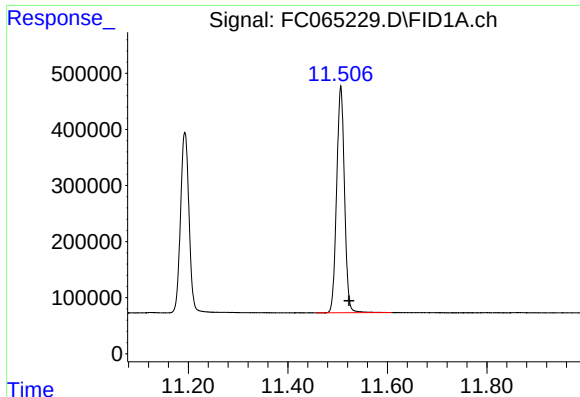
#7 n-Hexadecane (C16)

R.T.: 9.758 min  
Delta R.T.: -0.015 min  
Response: 3843207  
Conc: 20.33 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.193 min  
Delta R.T.: -0.015 min  
Response: 3819133  
Conc: 20.24 ug/ml



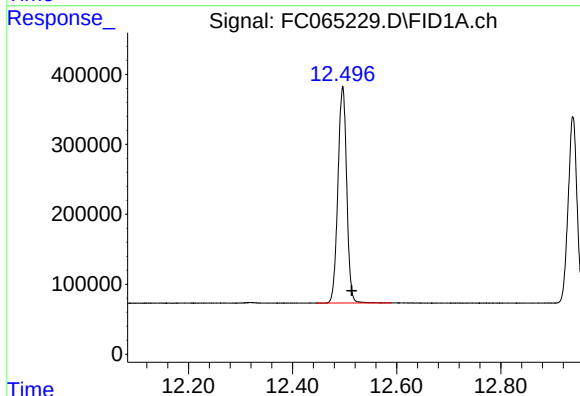
#9 ortho-Terphenyl (SURR)

R.T.: 11.507 min  
Delta R.T.: -0.016 min  
Response: 4430392  
Conc: 20.13 ug/ml

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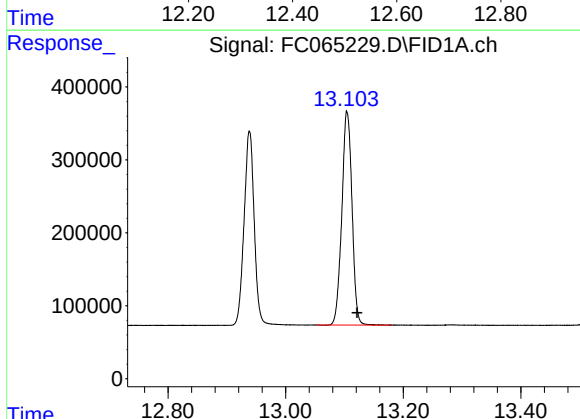


#10 n-Eicosane (C20)

R.T.: 12.496 min  
Delta R.T.: -0.017 min  
Response: 3623176  
Conc: 20.15 ug/ml

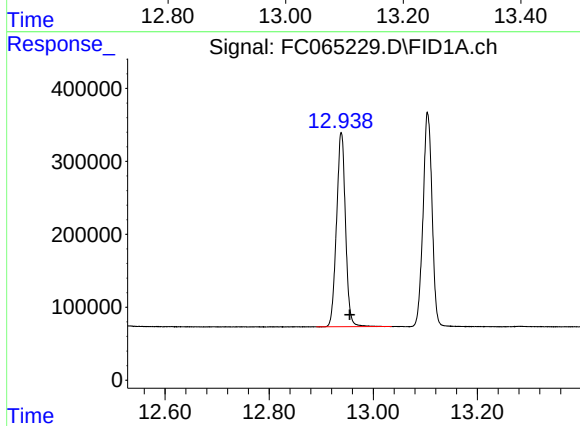
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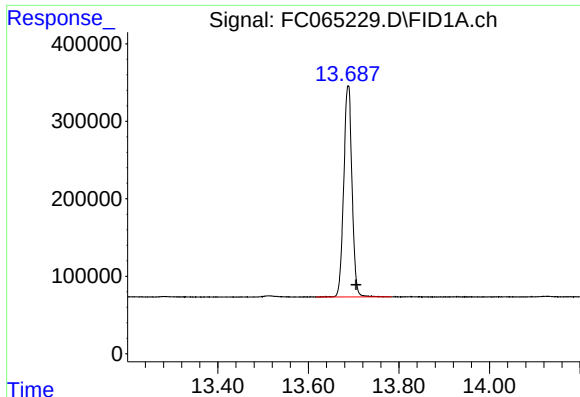
#11 n-Heneicosane (C21)

R.T.: 13.105 min  
Delta R.T.: -0.017 min  
Response: 3529815  
Conc: 20.10 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.939 min  
Delta R.T.: -0.016 min  
Response: 3188573  
Conc: 20.17 ug/ml



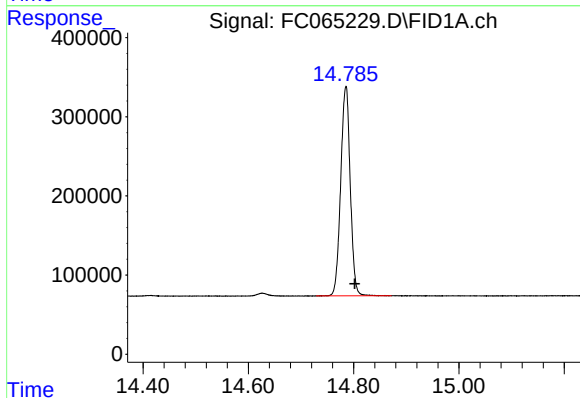
#13 n-Docosane (C22)

R.T.: 13.688 min  
Delta R.T.: -0.017 min  
Response: 3463845  
Conc: 20.17 ug/ml

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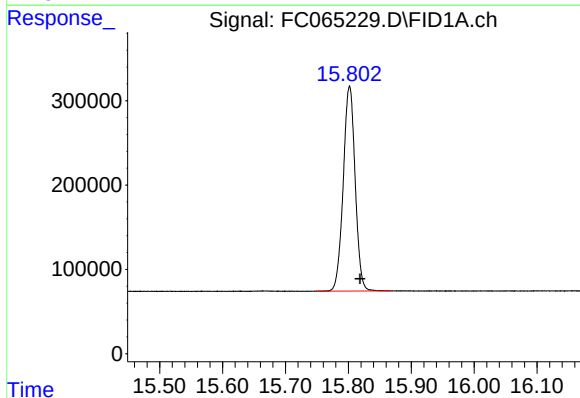


#14 n-Tetracosane (C24)

R.T.: 14.785 min  
Delta R.T.: -0.017 min  
Response: 3327898  
Conc: 19.98 ug/ml

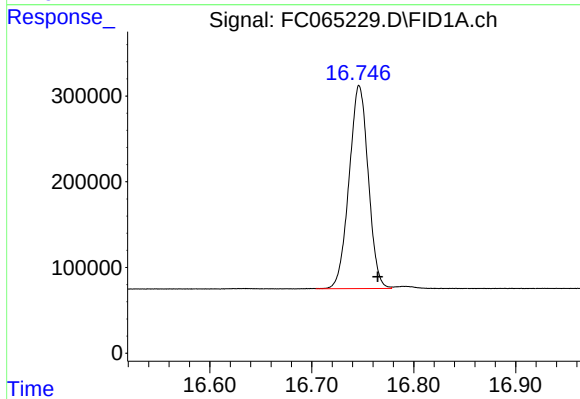
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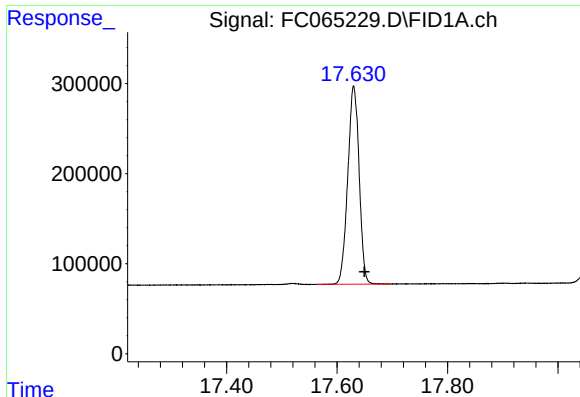
#15 n-Hexacosane (C26)

R.T.: 15.802 min  
Delta R.T.: -0.017 min  
Response: 3195931  
Conc: 19.91 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.746 min  
Delta R.T.: -0.019 min  
Response: 3096215  
Conc: 19.78 ug/ml m



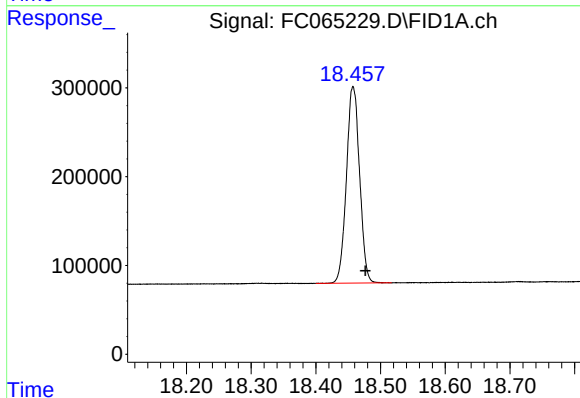
#17 n-Tricontane (C30)

R.T.: 17.630 min  
Delta R.T.: -0.019 min  
Response: 3149807  
Conc: 19.89 ug/ml

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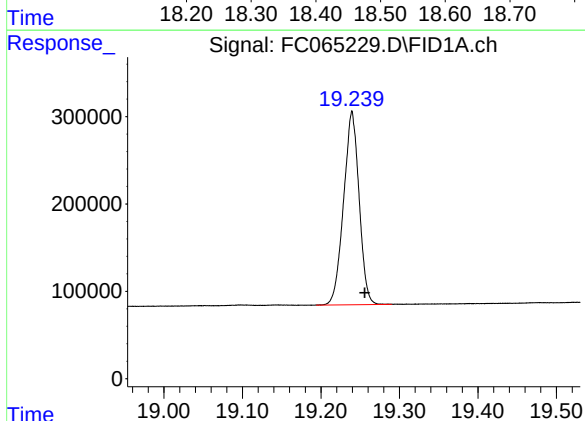


#18 n-Dotriacontane (C32)

R.T.: 18.457 min  
Delta R.T.: -0.019 min  
Response: 3127302  
Conc: 19.81 ug/ml

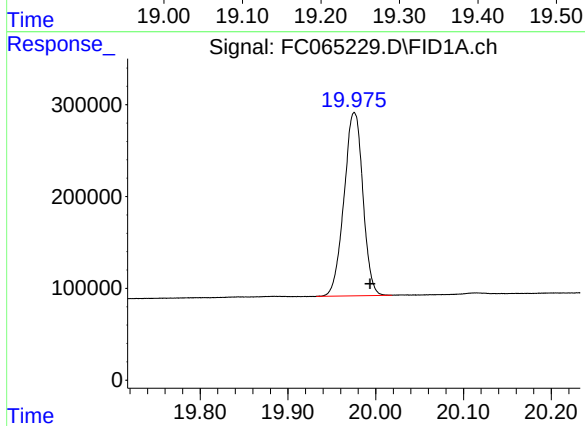
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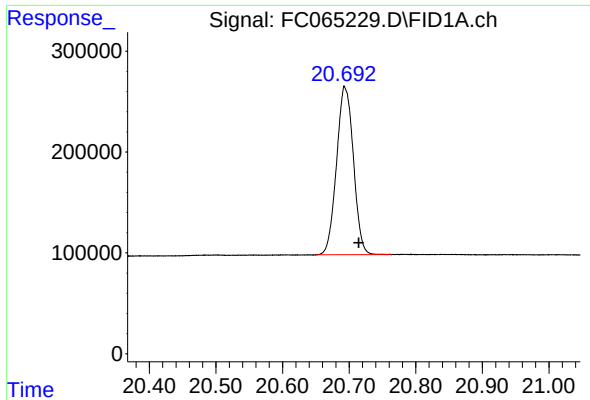
#19 n-Tetratriacontane (C34)

R.T.: 19.239 min  
Delta R.T.: -0.016 min  
Response: 3036107  
Conc: 19.89 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.975 min  
Delta R.T.: -0.018 min  
Response: 2985500  
Conc: 19.79 ug/ml m



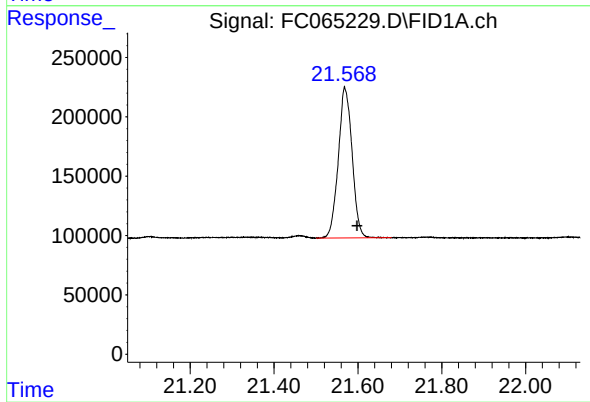
#21 n-Octatriacontane (C38)

R.T.: 20.693 min  
Delta R.T.: -0.021 min  
Response: 2932652  
Conc: 19.71 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.569 min  
Delta R.T.: -0.029 min  
Response: 2896510  
Conc: 19.69 ug/ml

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