

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC052925AL\  
 Data File : FC069044.D  
 Signal(s) : FID1A.ch  
 Acq On : 29 May 2025 09:40  
 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 05/30/2025  
 Supervised By :mohammad ahmed 05/30/2025

Integration File: autoint1.e  
 Quant Time: May 30 03:26:30 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 052425.M  
 Quant Title : GC Extractables  
 QLast Update : Tue May 27 01:48:55 2025  
 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)    | 11.705 | 2428487    | 19.689 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 39.38%        |
| 12) S 1-chlorooctadecane (S... | 13.138 | 1769844    | 19.728 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 39.46%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.440  | 2188013    | 20.618 ug/ml  |
| 2) T n-Decane (C10)            | 4.514  | 2191170    | 20.690 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.110  | 2365501    | 20.457 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.539  | 2154740    | 20.498 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.168  | 2309723    | 20.373 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.336  | 2070333    | 20.198 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.938  | 2015044    | 19.859 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.382 | 1968693    | 19.698 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.692 | 1913071    | 19.642 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.305 | 1883128    | 19.564 ug/ml  |
| 13) T n-Docosane (C22)         | 13.892 | 1895820    | 19.900 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.995 | 1925866    | 20.455 ug/mlm |
| 15) T n-Hexacosane (C26)       | 16.018 | 1939567    | 20.891 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.969 | 1962450    | 21.112 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.858 | 2033437    | 21.016 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.691 | 2069000    | 20.878 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.476 | 1940547    | 20.134 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.217 | 1868032    | 19.678 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 20.990 | 1792240    | 19.644 ug/ml  |
| 22) T n-Tetracontane (C40)     | 21.963 | 1742838    | 19.752 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Signal(s) : FID1A.ch  
Acq On : 29 May 2025 09:40  
Operator : YP/AJ  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

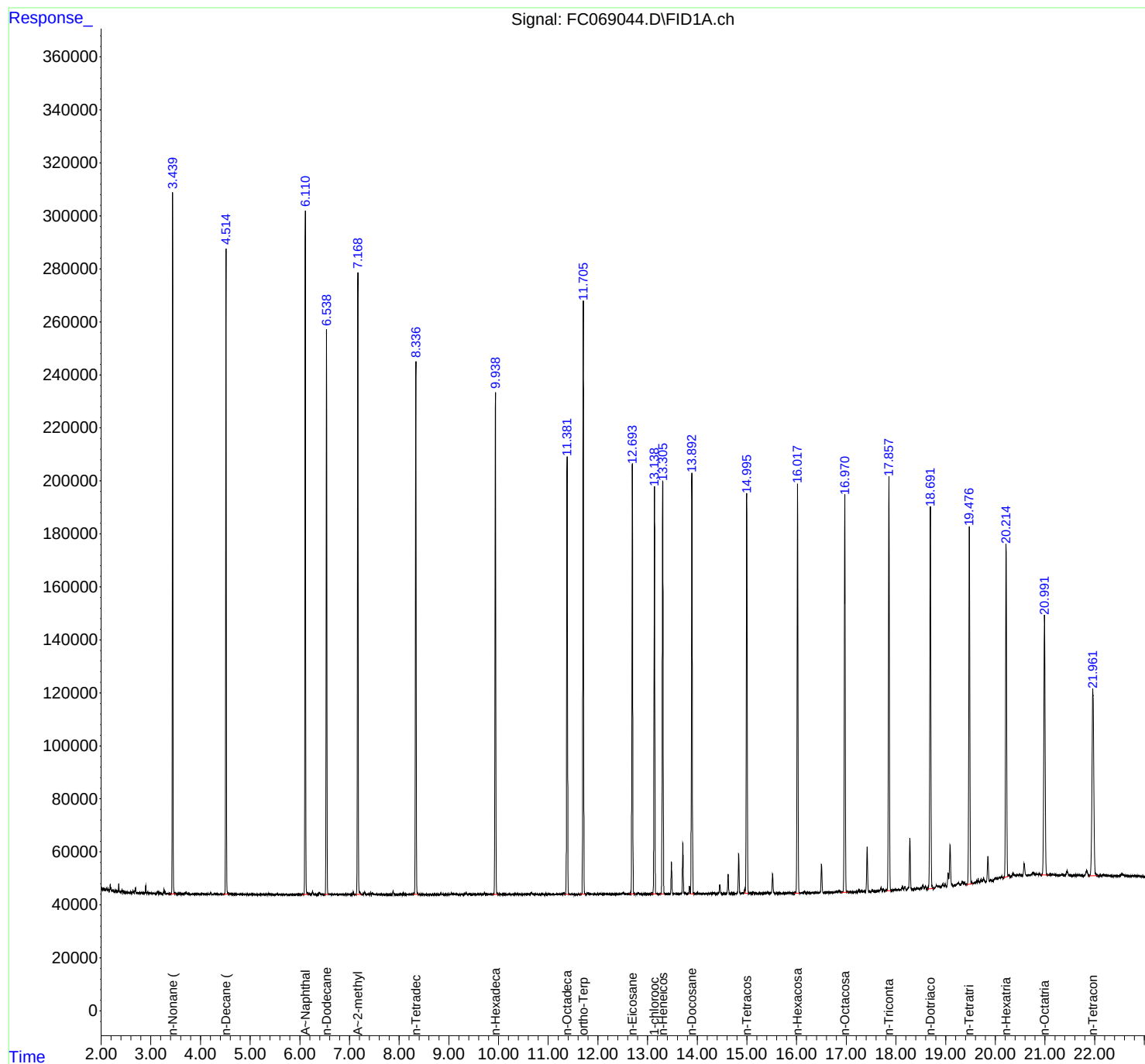
Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

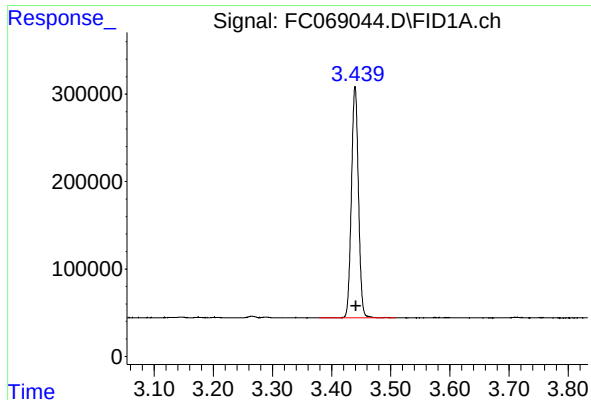
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Supervised By :mohammad ahmed 05/30/2025

Integration File: autoint1.e  
Quant Time: May 30 03:26:30 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 052425.M  
Quant Title : GC Extractables  
QLast Update : Tue May 27 01:48:55 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 ul  
Signal Phase : Rxi-1ms  
Signal Info : 20M x 0.18mm x 0.18um





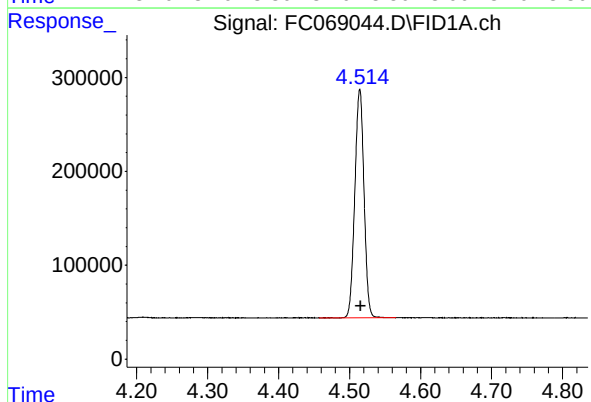
#1 n-Nonane (C9)

R.T.: 3.440 min  
Delta R.T.: -0.001 min  
Response: 2188013  
Conc: 20.62 ug/ml

Instrument :  
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ClientSampleId :  
20 PPM ALIPHATIC HC STD

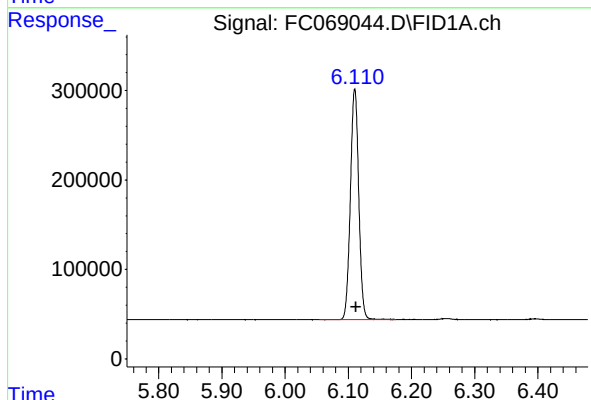
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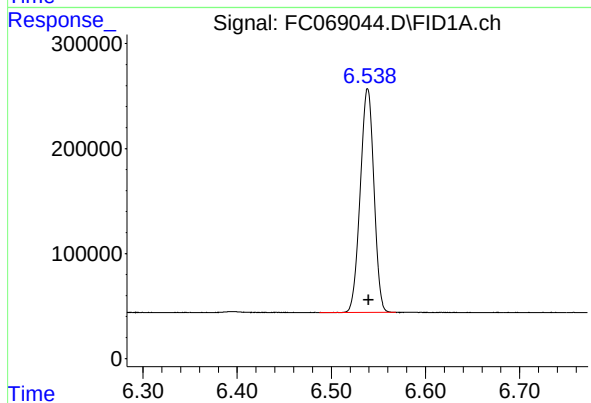
#2 n-Decane (C10)

R.T.: 4.514 min  
Delta R.T.: -0.001 min  
Response: 2191170  
Conc: 20.69 ug/ml



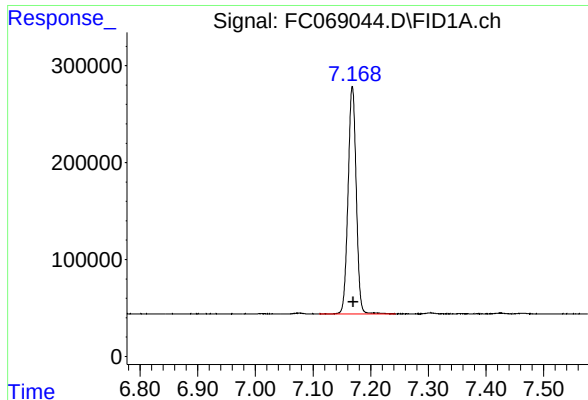
#3 A~Naphthalene (C11.7)

R.T.: 6.110 min  
Delta R.T.: -0.002 min  
Response: 2365501  
Conc: 20.46 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.539 min  
Delta R.T.: -0.001 min  
Response: 2154740  
Conc: 20.50 ug/ml



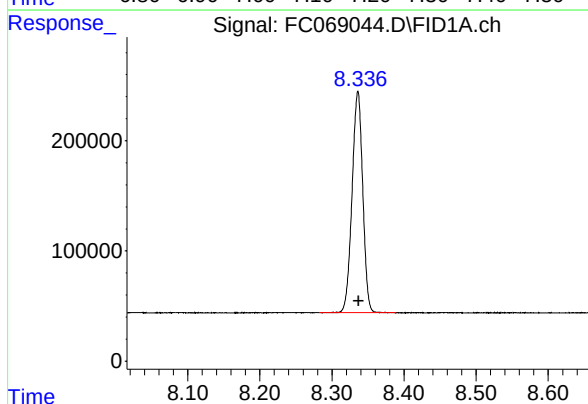
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.168 min  
Delta R.T.: -0.002 min  
Response: 2309723  
Conc: 20.37 ug/ml

Instrument :  
FID\_C  
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20 PPM ALIPHATIC HC STD

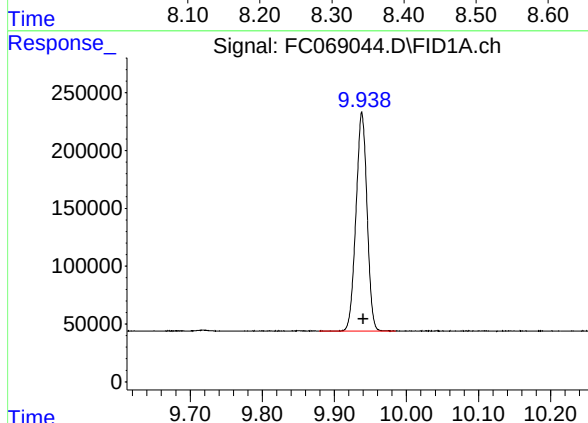
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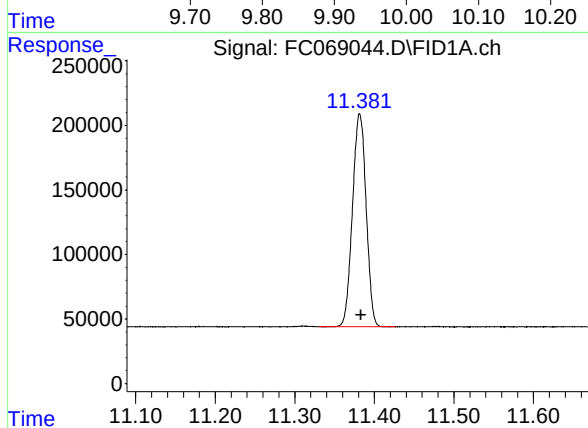
#6 n-Tetradecane (C14)

R.T.: 8.336 min  
Delta R.T.: -0.001 min  
Response: 2070333  
Conc: 20.20 ug/ml



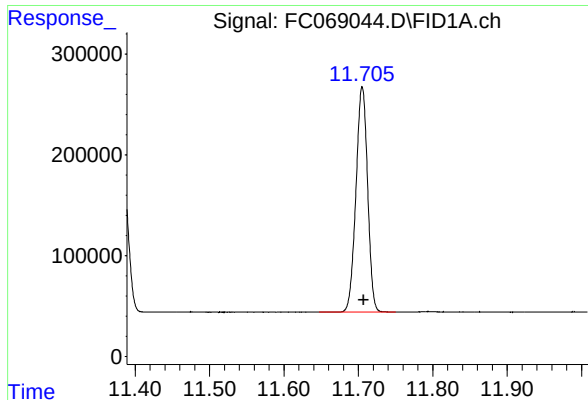
#7 n-Hexadecane (C16)

R.T.: 9.938 min  
Delta R.T.: -0.002 min  
Response: 2015044  
Conc: 19.86 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.382 min  
Delta R.T.: -0.002 min  
Response: 1968693  
Conc: 19.70 ug/ml



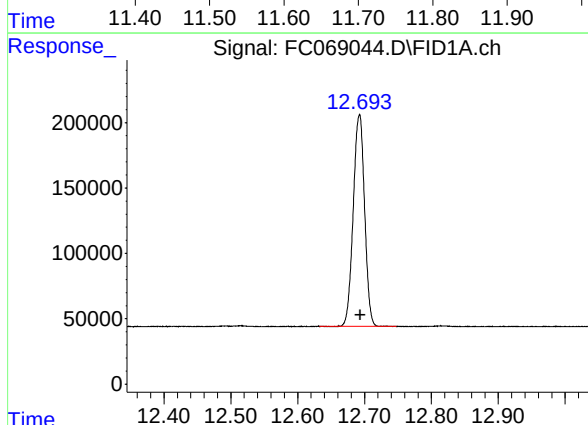
#9 ortho-Terphenyl (SURR)

R.T.: 11.705 min  
Delta R.T.: -0.002 min  
Response: 2428487  
Conc: 19.69 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

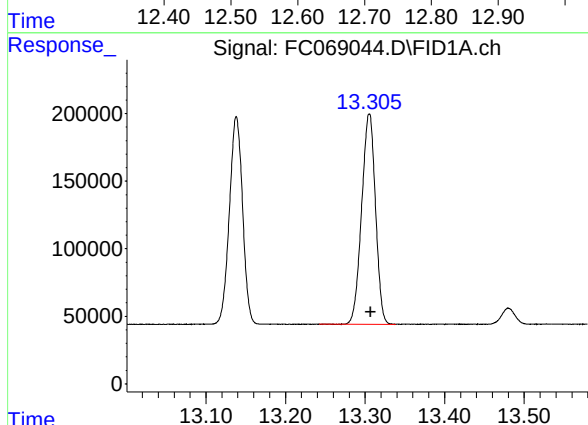
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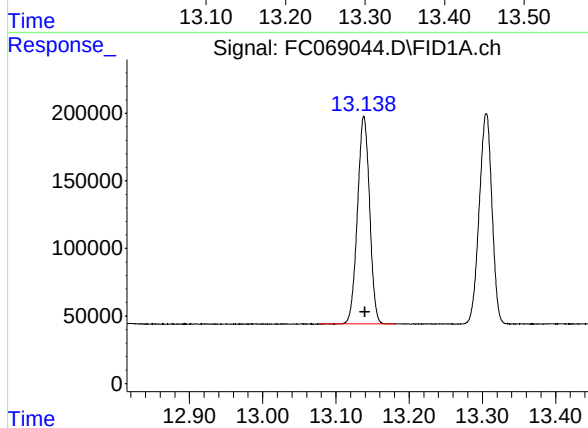
#10 n-Eicosane (C20)

R.T.: 12.692 min  
Delta R.T.: -0.002 min  
Response: 1913071  
Conc: 19.64 ug/ml



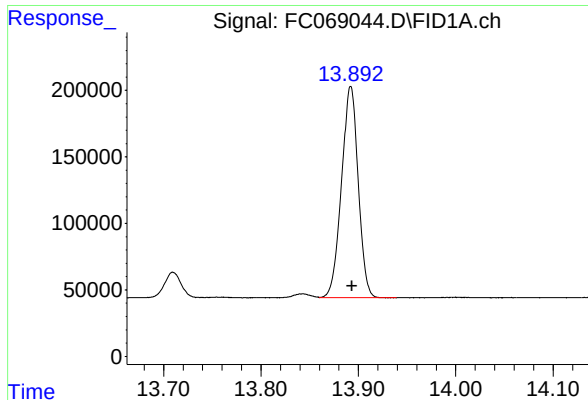
#11 n-Heneicosane (C21)

R.T.: 13.305 min  
Delta R.T.: -0.002 min  
Response: 1883128  
Conc: 19.56 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.138 min  
Delta R.T.: -0.001 min  
Response: 1769844  
Conc: 19.73 ug/ml



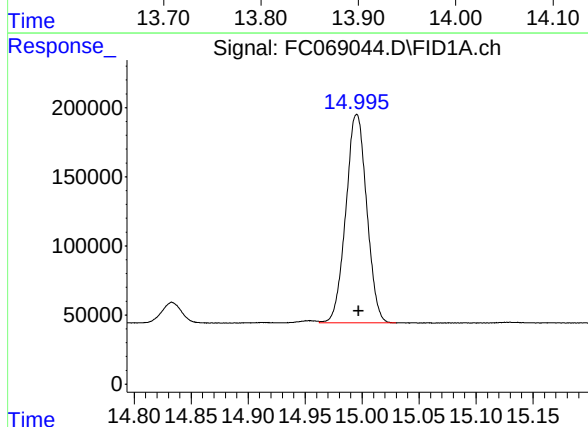
#13 n-Docosane (C22)

R.T.: 13.892 min  
Delta R.T.: -0.001 min  
Response: 1895820  
Conc: 19.90 ug/ml

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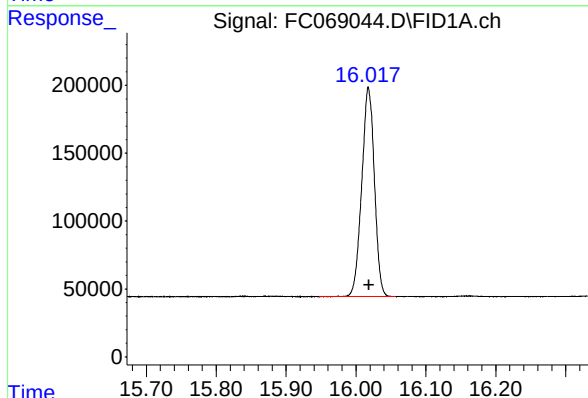
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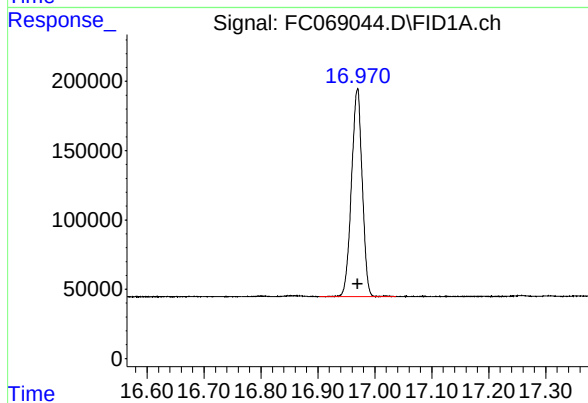
#14 n-Tetracosane (C24)

R.T.: 14.995 min  
Delta R.T.: -0.002 min  
Response: 1925866  
Conc: 20.45 ug/ml m



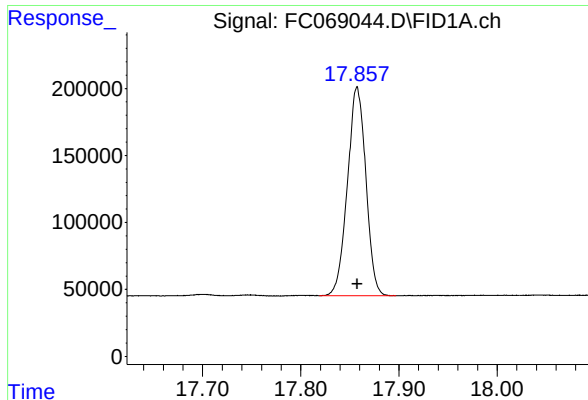
#15 n-Hexacosane (C26)

R.T.: 16.018 min  
Delta R.T.: 0.000 min  
Response: 1939567  
Conc: 20.89 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.969 min  
Delta R.T.: 0.000 min  
Response: 1962450  
Conc: 21.11 ug/ml



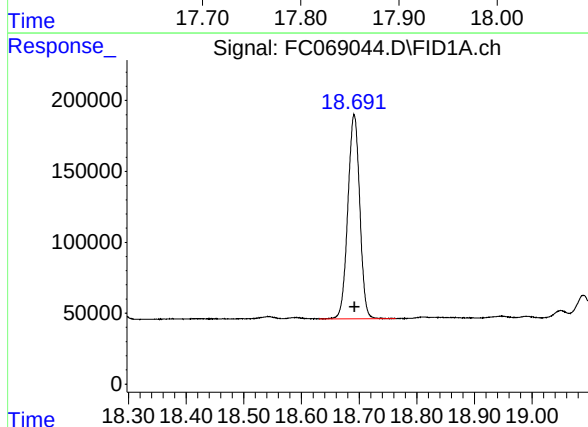
#17 n-Tricontane (C30)

R.T.: 17.858 min  
Delta R.T.: 0.000 min  
Response: 2033437  
Conc: 21.02 ug/ml

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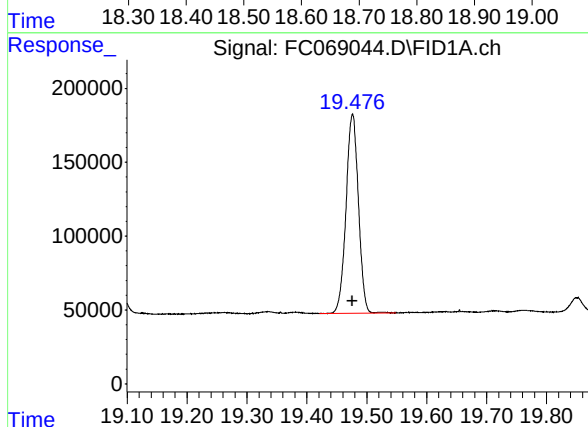
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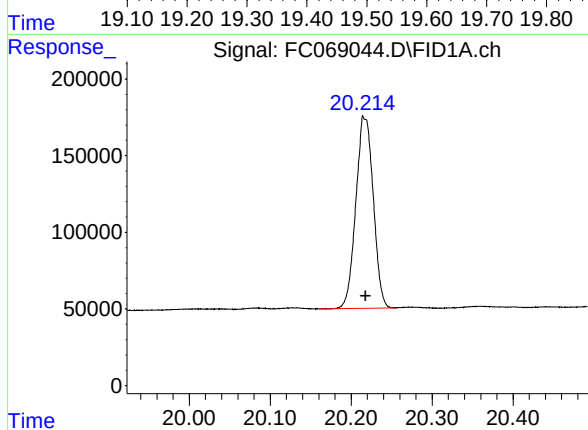
#18 n-Dotriacontane (C32)

R.T.: 18.691 min  
Delta R.T.: 0.000 min  
Response: 2069000  
Conc: 20.88 ug/ml



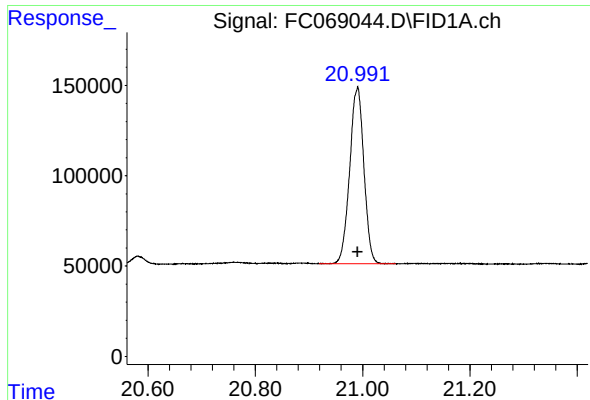
#19 n-Tetatriacontane (C34)

R.T.: 19.476 min  
Delta R.T.: 0.000 min  
Response: 1940547  
Conc: 20.13 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.217 min  
Delta R.T.: -0.001 min  
Response: 1868032  
Conc: 19.68 ug/ml



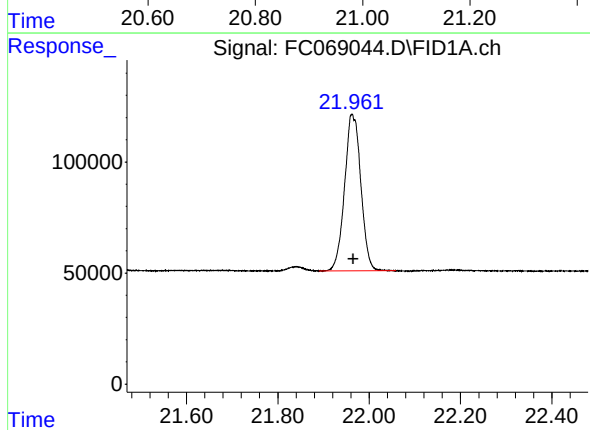
#21 n-Octatriacontane (C38)

R.T.: 20.990 min  
Delta R.T.: 0.000 min  
Response: 1792240  
Conc: 19.64 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.963 min  
Delta R.T.: -0.002 min  
Response: 1742838  
Conc: 19.75 ug/ml