

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC051925AL\  
 Data File : FC068927.D  
 Signal(s) : FID1A.ch  
 Acq On : 20 May 2025 08:53  
 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 05/21/2025  
 Supervised By :mohammad ahmed 05/22/2025

Integration File: autoint1.e  
 Quant Time: May 20 09:34:55 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 050625.M  
 Quant Title : GC Extractables  
 QLast Update : Wed May 07 08:52:03 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)    | 11.707 | 2105319    | 18.445 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 36.89%       |
| 12) S 1-chlorooctadecane (S... | 13.140 | 1553911    | 19.369 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 38.74%       |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.442  | 1765210    | 17.550 ug/ml |
| 2) T n-Decane (C10)            | 4.516  | 1831054    | 18.376 ug/ml |
| 3) T A~Naphthalene (C11.7)     | 6.113  | 1952571    | 17.708 ug/ml |
| 4) T n-Dodecane (C12)          | 6.540  | 1820237    | 18.731 ug/ml |
| 5) T A~2-methylnaphthalene...  | 7.171  | 1917684    | 17.867 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.338  | 1775455    | 19.210 ug/ml |
| 7) T n-Hexadecane (C16)        | 9.940  | 1763948    | 19.699 ug/ml |
| 8) T n-Octadecane (C18)        | 11.383 | 1737694    | 19.810 ug/ml |
| 10) T n-Eicosane (C20)         | 12.693 | 1688180    | 19.810 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.305 | 1660993    | 19.693 ug/ml |
| 13) T n-Docosane (C22)         | 13.892 | 1653642    | 19.767 ug/ml |
| 14) T n-Tetracosane (C24)      | 14.996 | 1656852    | 19.912 ug/ml |
| 15) T n-Hexacosane (C26)       | 16.017 | 1659795    | 20.033 ug/ml |
| 16) T n-Octacosane (C28)       | 16.969 | 1788034    | 21.635 ug/ml |
| 17) T n-Tricontane (C30)       | 17.858 | 2072855    | 24.498 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.691 | 2187229    | 25.393 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.474 | 2030284    | 23.830 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.215 | 1892338    | 22.017 ug/ml |
| 21) T n-Octatriacontane (C38)  | 20.986 | 1783748    | 21.265 ug/ml |
| 22) T n-Tetracontane (C40)     | 21.962 | 1724955    | 21.047 ug/ml |
| -----                          |        |            |              |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

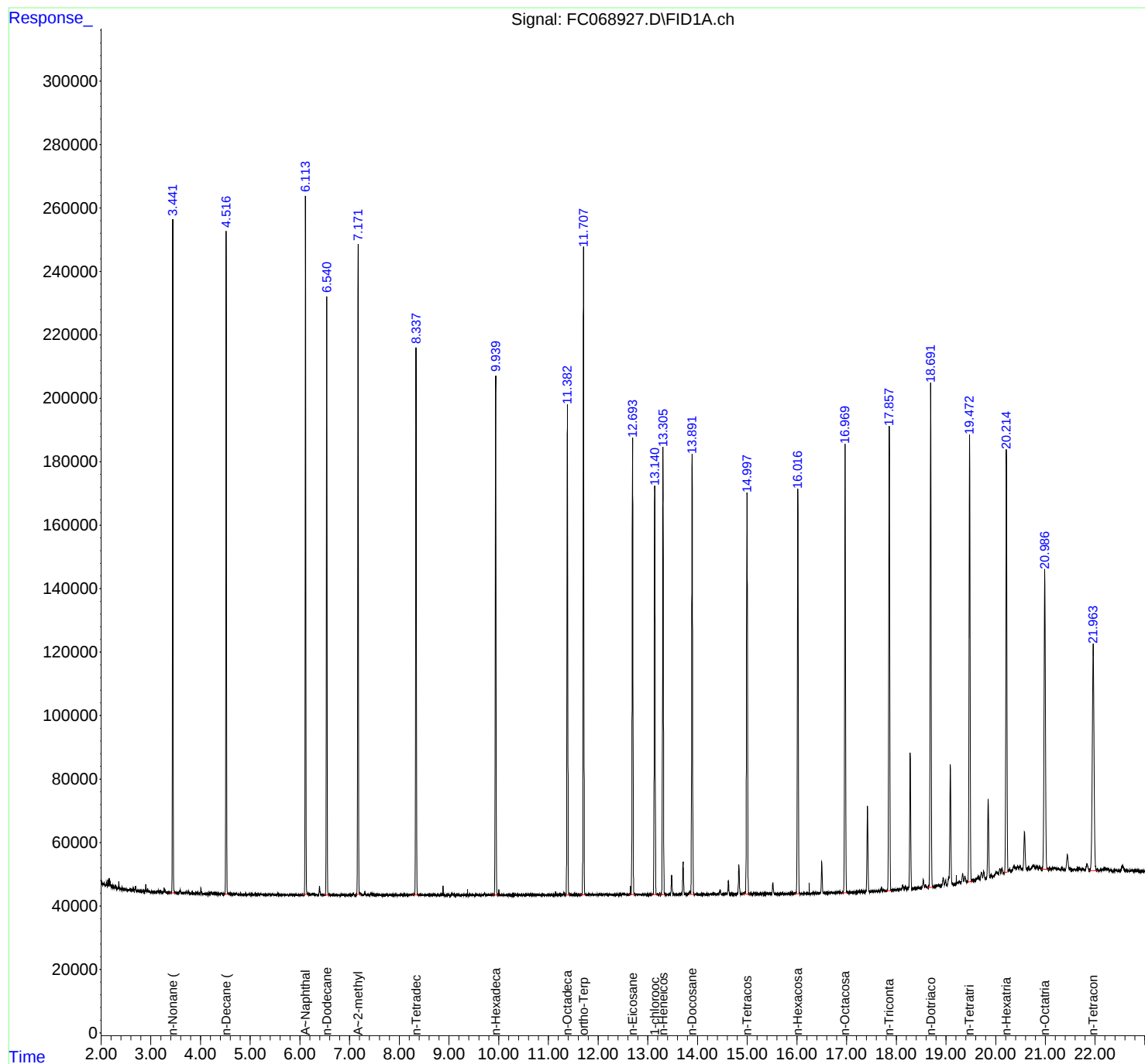
Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

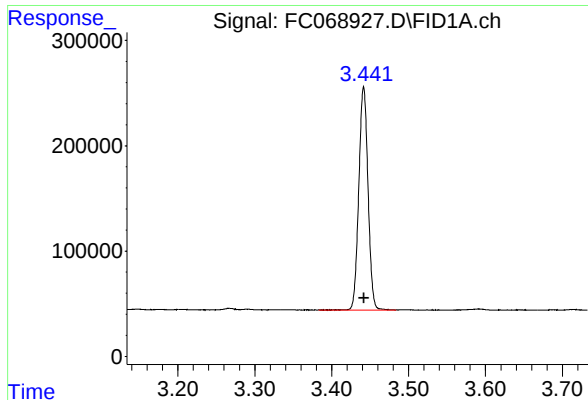
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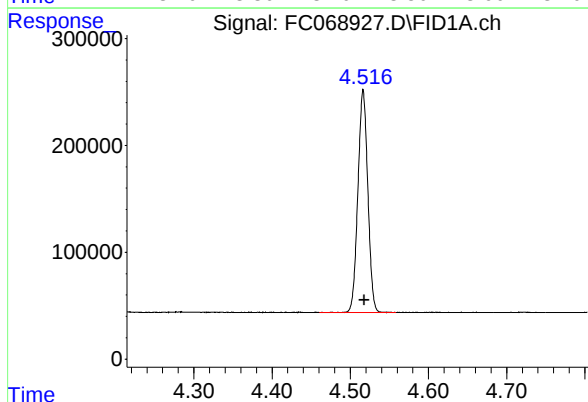
#1 n-Nonane (C9)

R.T.: 3.442 min  
Delta R.T.: 0.000 min  
Response: 1765210  
Conc: 17.55 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

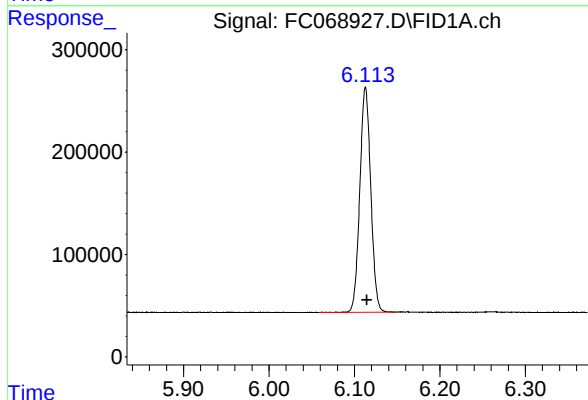
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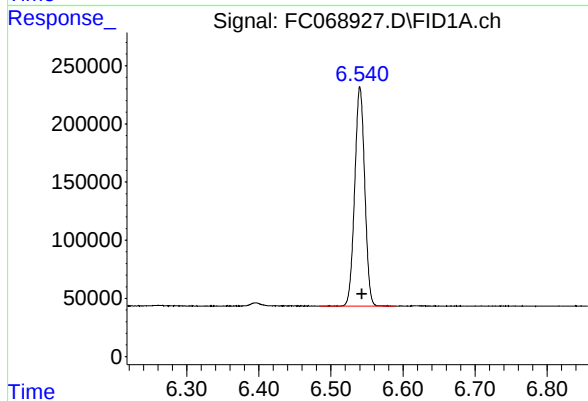
#2 n-Decane (C10)

R.T.: 4.516 min  
Delta R.T.: -0.001 min  
Response: 1831054  
Conc: 18.38 ug/ml



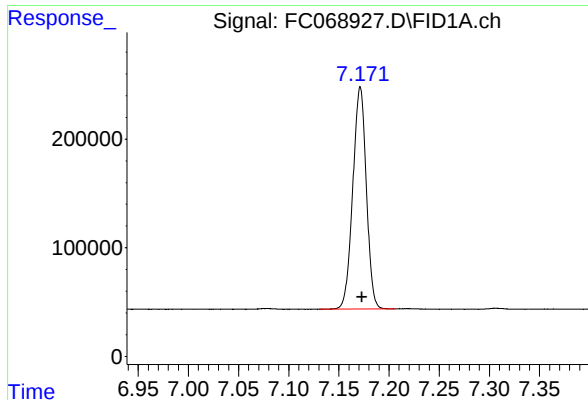
#3 A~Naphthalene (C11.7)

R.T.: 6.113 min  
Delta R.T.: -0.002 min  
Response: 1952571  
Conc: 17.71 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.540 min  
Delta R.T.: -0.003 min  
Response: 1820237  
Conc: 18.73 ug/ml



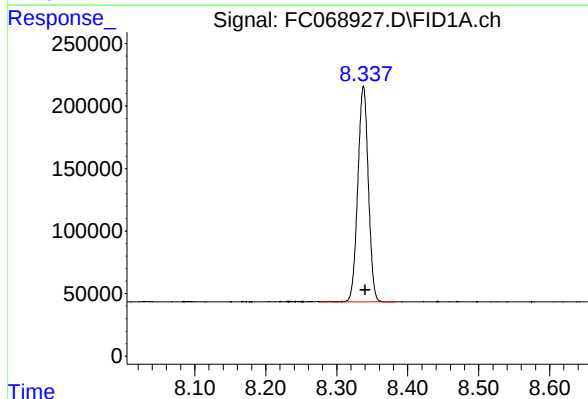
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.171 min  
Delta R.T.: -0.002 min  
Response: 1917684  
Conc: 17.87 ug/ml

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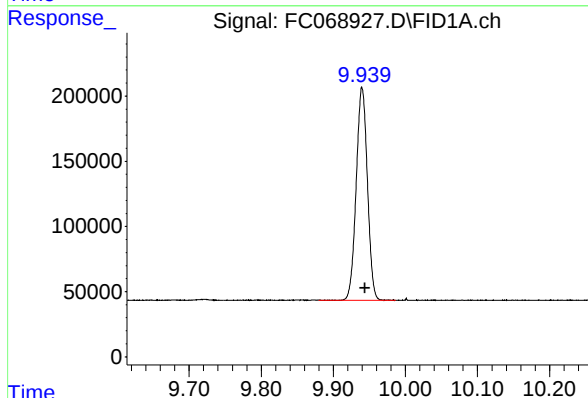
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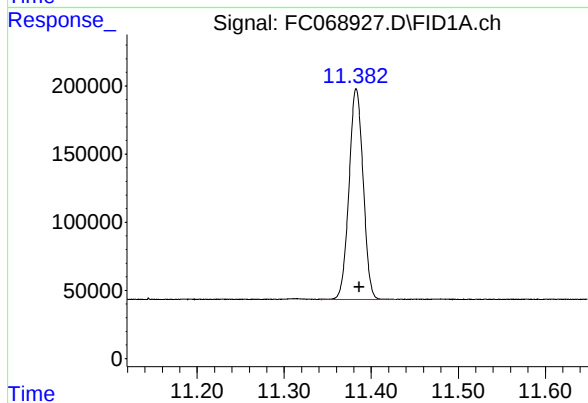
#6 n-Tetradecane (C14)

R.T.: 8.338 min  
Delta R.T.: -0.003 min  
Response: 1775455  
Conc: 19.21 ug/ml



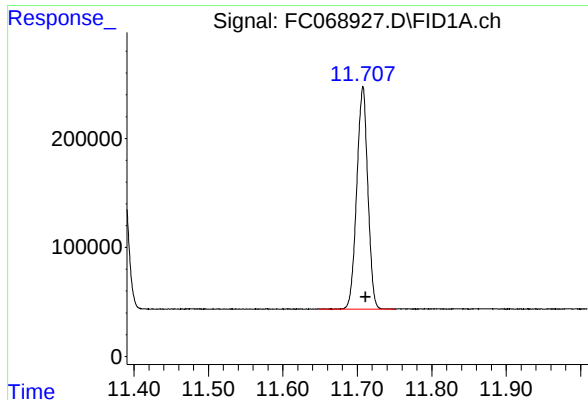
#7 n-Hexadecane (C16)

R.T.: 9.940 min  
Delta R.T.: -0.004 min  
Response: 1763948  
Conc: 19.70 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.383 min  
Delta R.T.: -0.003 min  
Response: 1737694  
Conc: 19.81 ug/ml



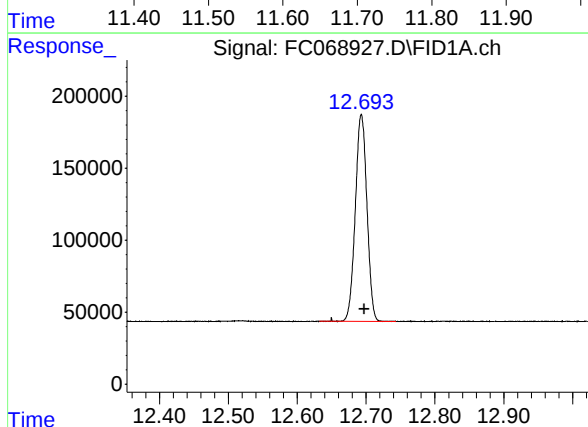
#9 ortho-Terphenyl (SURR)

R.T.: 11.707 min  
Delta R.T.: -0.004 min  
Response: 2105319  
Conc: 18.45 ug/ml

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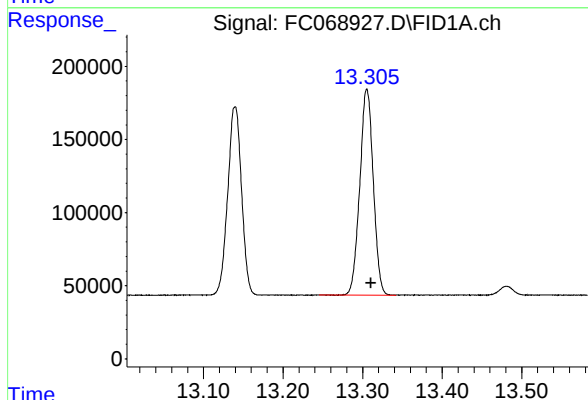
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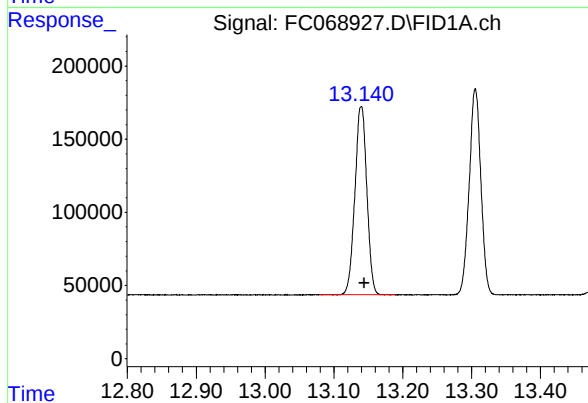
#10 n-Eicosane (C20)

R.T.: 12.693 min  
Delta R.T.: -0.004 min  
Response: 1688180  
Conc: 19.81 ug/ml



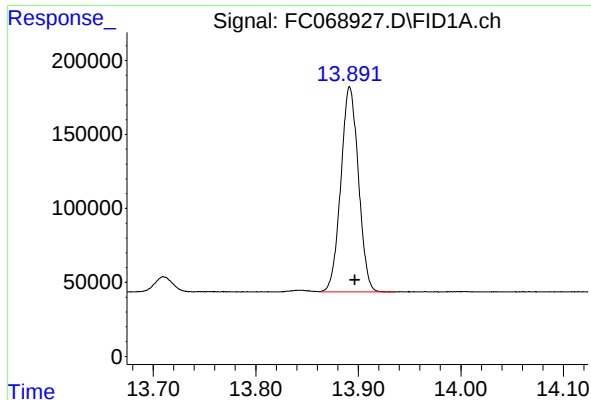
#11 n-Heneicosane (C21)

R.T.: 13.305 min  
Delta R.T.: -0.005 min  
Response: 1660993  
Conc: 19.69 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.140 min  
Delta R.T.: -0.004 min  
Response: 1553911  
Conc: 19.37 ug/ml



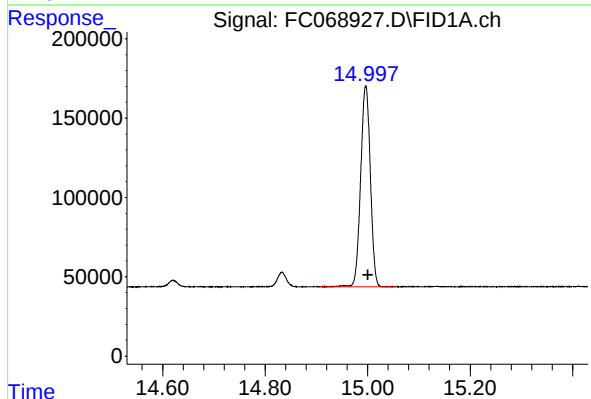
#13 n-Docosane (C22)

R.T.: 13.892 min  
Delta R.T.: -0.005 min  
Response: 1653642  
Conc: 19.77 ug/ml

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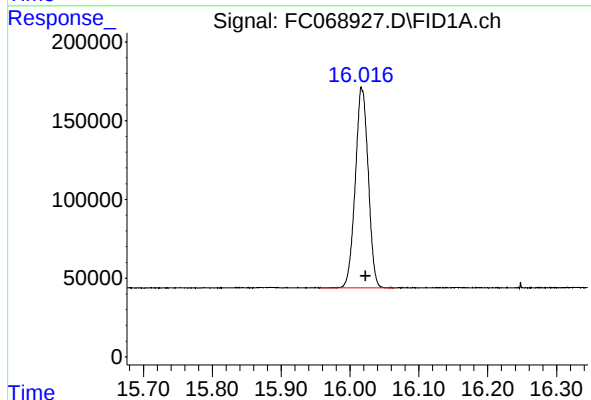
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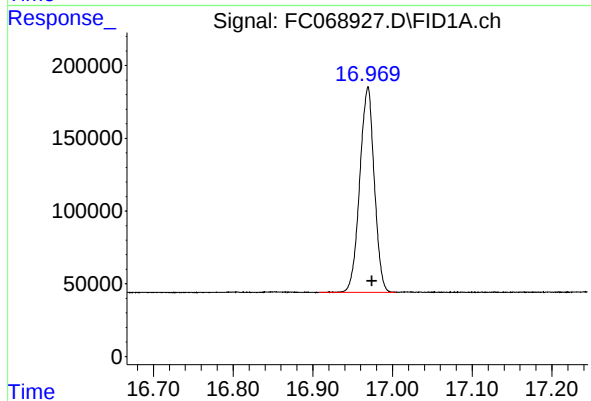
#14 n-Tetracosane (C24)

R.T.: 14.996 min  
Delta R.T.: -0.004 min  
Response: 1656852  
Conc: 19.91 ug/ml



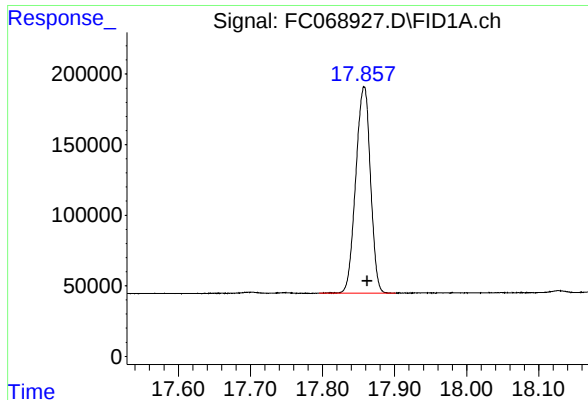
#15 n-Hexacosane (C26)

R.T.: 16.017 min  
Delta R.T.: -0.006 min  
Response: 1659795  
Conc: 20.03 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.969 min  
Delta R.T.: -0.005 min  
Response: 1788034  
Conc: 21.63 ug/ml m



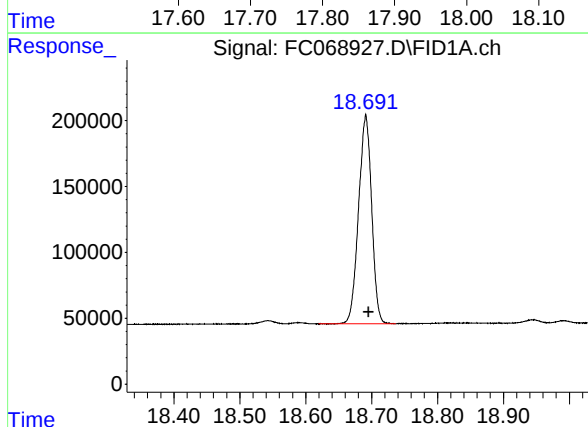
#17 n-Tricontane (C30)

R.T.: 17.858 min  
Delta R.T.: -0.005 min  
Response: 2072855  
Conc: 24.50 ug/ml

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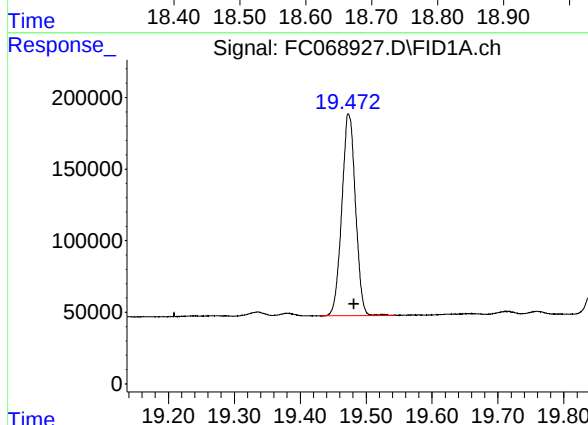
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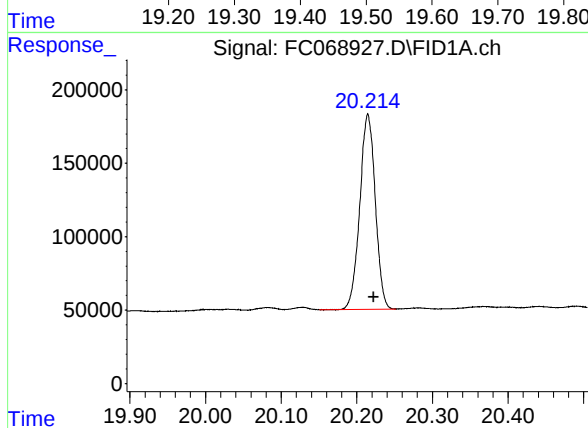
#18 n-Dotriacontane (C32)

R.T.: 18.691 min  
Delta R.T.: -0.004 min  
Response: 2187229  
Conc: 25.39 ug/ml



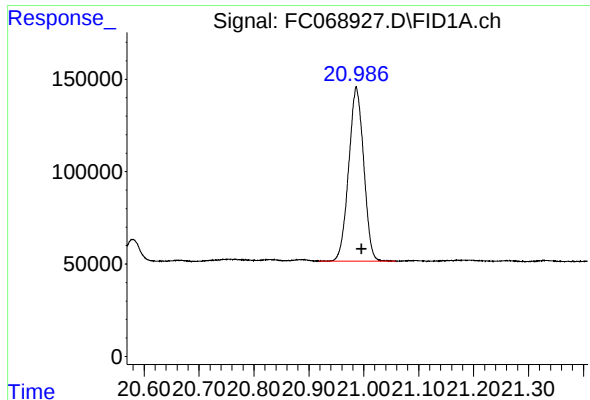
#19 n-Tetatriacontane (C34)

R.T.: 19.474 min  
Delta R.T.: -0.008 min  
Response: 2030284  
Conc: 23.83 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.215 min  
Delta R.T.: -0.008 min  
Response: 1892338  
Conc: 22.02 ug/ml



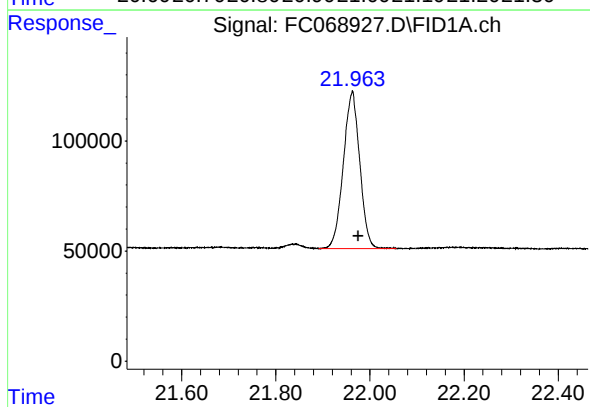
#21 n-Octatriacontane (C38)

R.T.: 20.986 min  
Delta R.T.: -0.010 min  
Response: 1783748  
Conc: 21.26 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.962 min  
Delta R.T.: -0.013 min  
Response: 1724955  
Conc: 21.05 ug/ml