

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC020325AL\  
 Data File : FC068189.D  
 Signal(s) : FID1A.ch  
 Acq On : 03 Feb 2025 20:30  
 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 02/04/2025  
 Supervised By :Ankita Jodhani 02/04/2025

Integration File: autoint1.e  
 Quant Time: Feb 04 02:02:30 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 012425.M  
 Quant Title : GC Extractables  
 QLast Update : Sat Jan 25 04:31:18 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)    | 11.417 | 2997181    | 19.180 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 38.36%        |
| 12) S 1-chlorooctadecane (S... | 12.858 | 2221099    | 19.313 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 38.63%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.226  | 2753388    | 20.107 ug/ml  |
| 2) T n-Decane (C10)            | 4.284  | 2788471    | 20.085 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 5.852  | 3024749    | 20.148 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.292  | 2777524    | 19.882 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 6.903  | 2898458    | 20.180 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.080  | 2684355    | 19.669 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.675  | 2706214    | 19.476 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.112 | 2700980    | 19.304 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.418 | 2574292    | 19.240 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.028 | 2522924    | 19.209 ug/ml  |
| 13) T n-Docosane (C22)         | 13.612 | 2490777    | 19.229 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.713 | 2456725    | 19.135 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.730 | 2397620    | 19.053 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.677 | 2335545    | 18.674 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.563 | 2343017    | 18.127 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.394 | 2248442    | 17.986 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.176 | 1990478    | 18.350 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 19.915 | 1743653    | 18.841 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 20.627 | 1682816    | 19.639 ug/ml  |
| 22) T n-Tetracontane (C40)     | 21.480 | 1674839    | 20.713 ug/mlm |
| -----                          |        |            |               |

(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

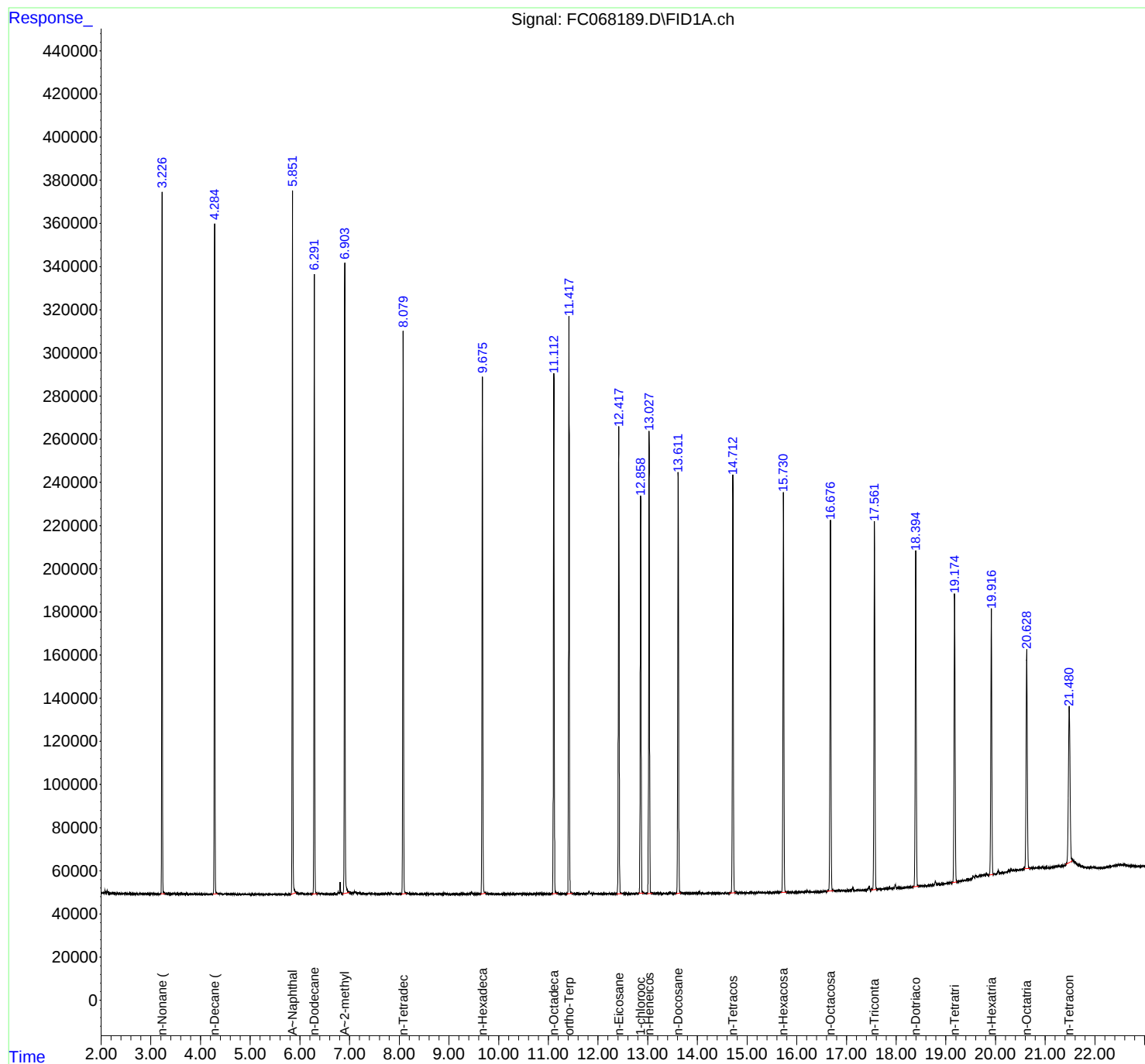
Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

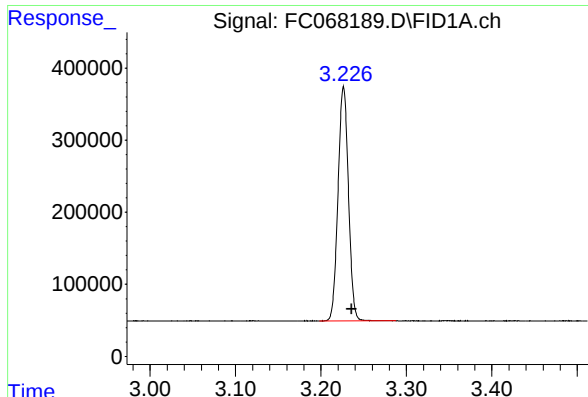
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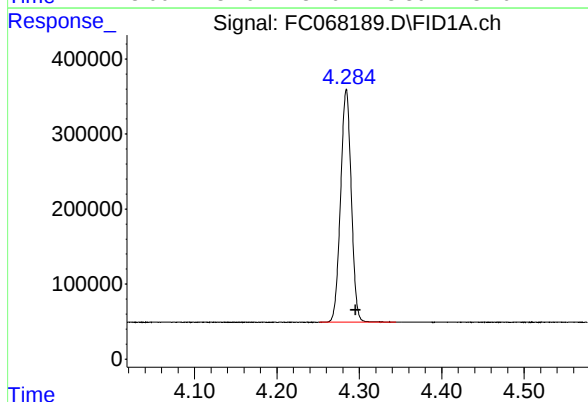
#1 n-Nonane (C9)

R.T.: 3.226 min  
Delta R.T.: -0.010 min  
Response: 2753388  
Conc: 20.11 ug/ml

Instrument :  
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20 PPM ALIPHATIC HC STD

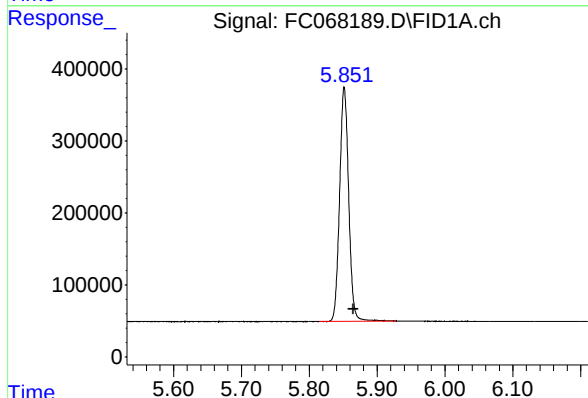
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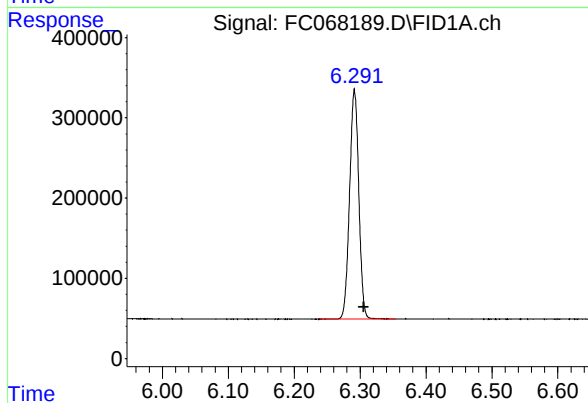
#2 n-Decane (C10)

R.T.: 4.284 min  
Delta R.T.: -0.011 min  
Response: 2788471  
Conc: 20.09 ug/ml



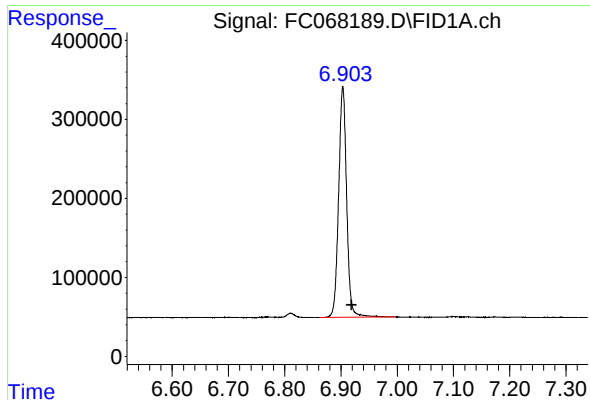
#3 A~Naphthalene (C11.7)

R.T.: 5.852 min  
Delta R.T.: -0.013 min  
Response: 3024749  
Conc: 20.15 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.292 min  
Delta R.T.: -0.014 min  
Response: 2777524  
Conc: 19.88 ug/ml



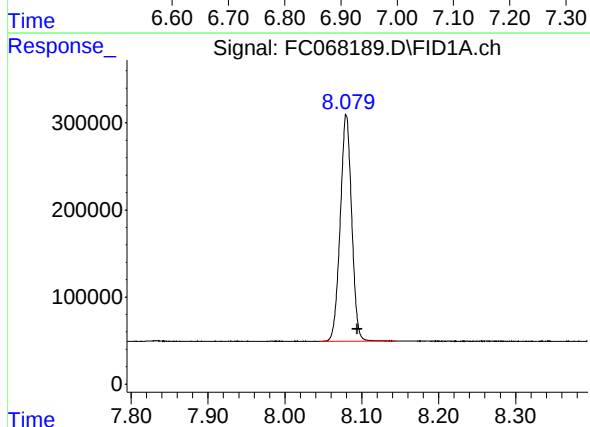
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.903 min  
Delta R.T.: -0.016 min  
Response: 2898458  
Conc: 20.18 ug/ml

Instrument :  
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ClientSampleId :  
20 PPM ALIPHATIC HC STD

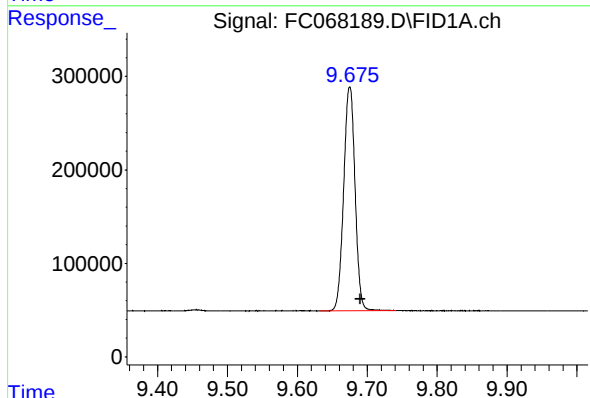
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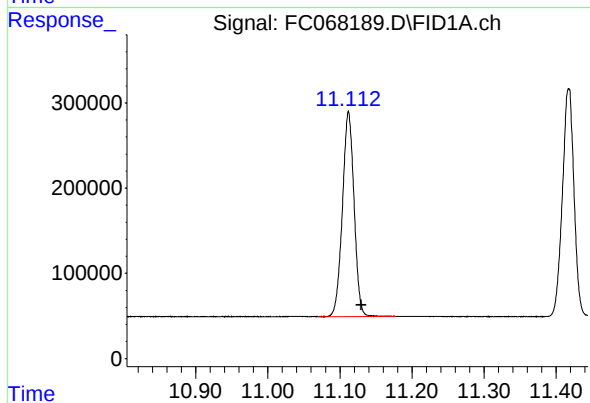
#6 n-Tetradecane (C14)

R.T.: 8.080 min  
Delta R.T.: -0.014 min  
Response: 2684355  
Conc: 19.67 ug/ml



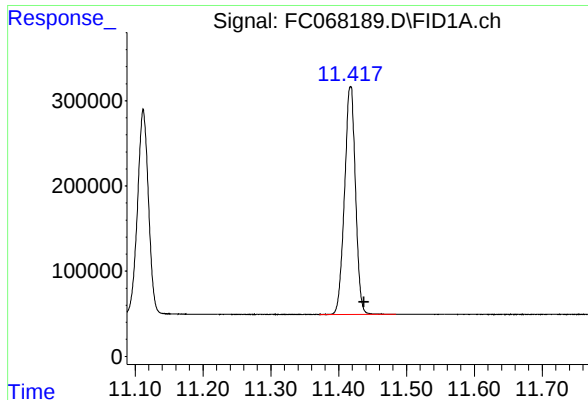
#7 n-Hexadecane (C16)

R.T.: 9.675 min  
Delta R.T.: -0.015 min  
Response: 2706214  
Conc: 19.48 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.112 min  
Delta R.T.: -0.018 min  
Response: 2700980  
Conc: 19.30 ug/ml



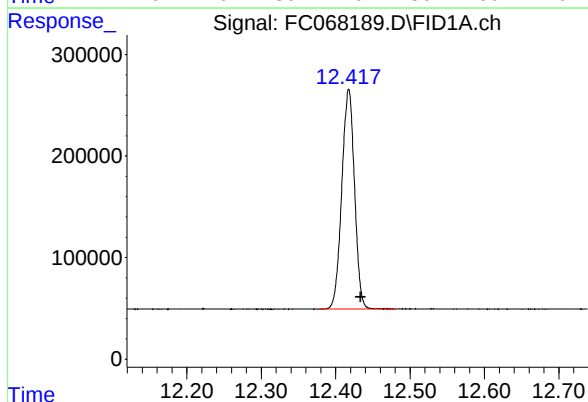
#9 ortho-Terphenyl (SURR)

R.T.: 11.417 min  
Delta R.T.: -0.020 min  
Response: 2997181  
Conc: 19.18 ug/ml

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

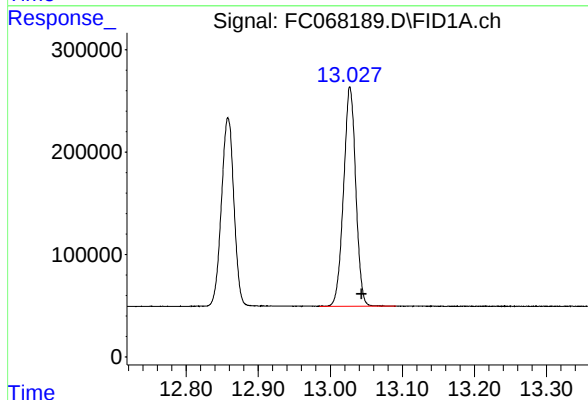
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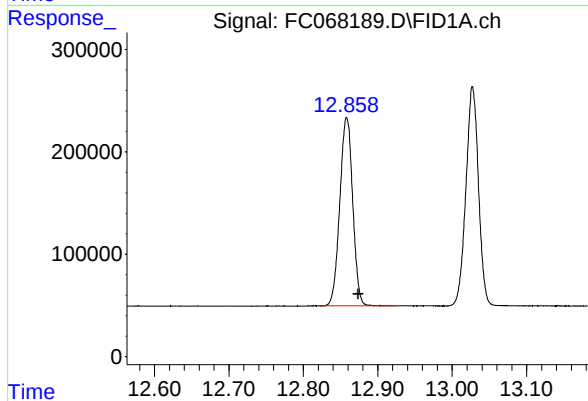
#10 n-Eicosane (C20)

R.T.: 12.418 min  
Delta R.T.: -0.016 min  
Response: 2574292  
Conc: 19.24 ug/ml



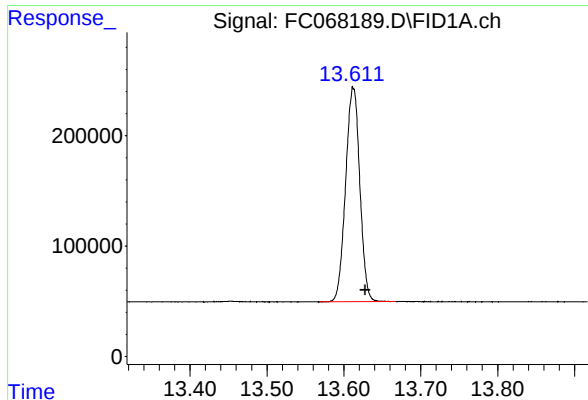
#11 n-Heneicosane (C21)

R.T.: 13.028 min  
Delta R.T.: -0.016 min  
Response: 2522924  
Conc: 19.21 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.858 min  
Delta R.T.: -0.016 min  
Response: 2221099  
Conc: 19.31 ug/ml



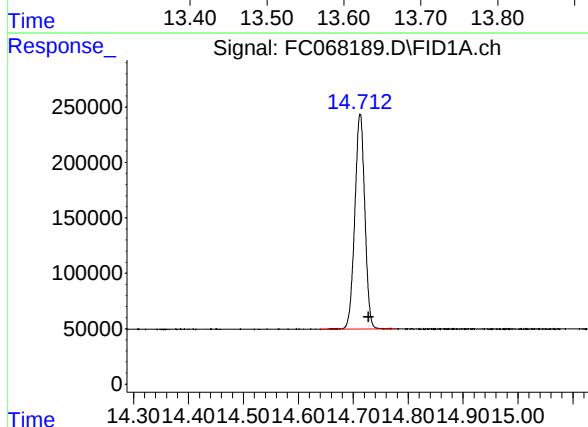
#13 n-Docosane (C22)

R.T.: 13.612 min  
Delta R.T.: -0.016 min  
Response: 2490777  
Conc: 19.23 ug/ml

Instrument :  
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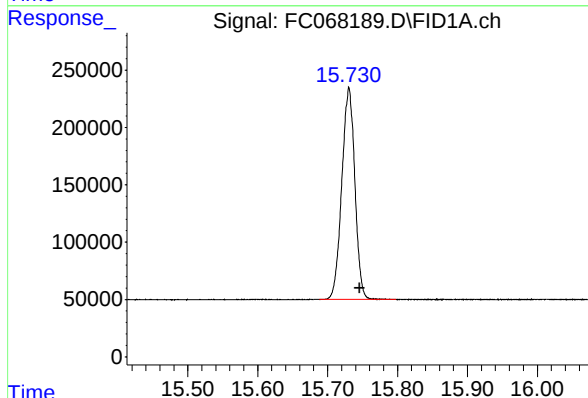
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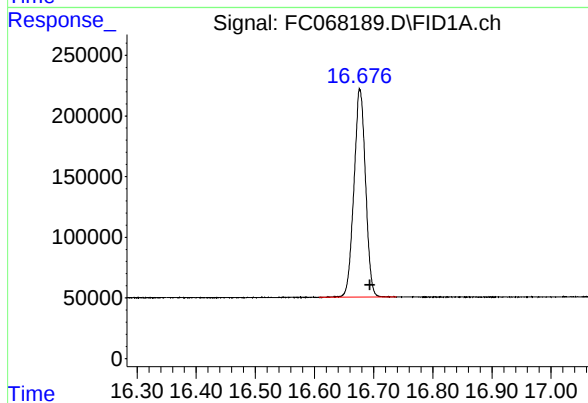
#14 n-Tetracosane (C24)

R.T.: 14.713 min  
Delta R.T.: -0.016 min  
Response: 2456725  
Conc: 19.14 ug/ml



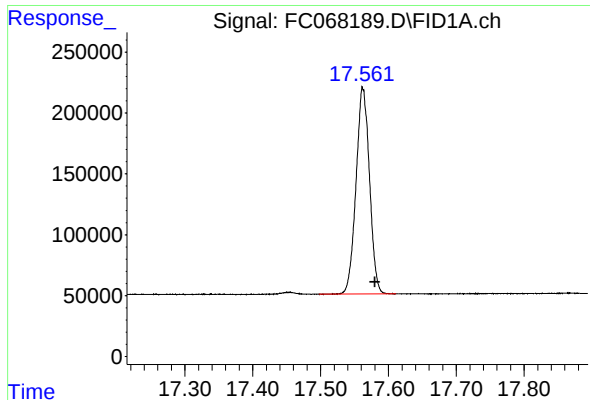
#15 n-Hexacosane (C26)

R.T.: 15.730 min  
Delta R.T.: -0.016 min  
Response: 2397620  
Conc: 19.05 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.677 min  
Delta R.T.: -0.017 min  
Response: 2335545  
Conc: 18.67 ug/ml



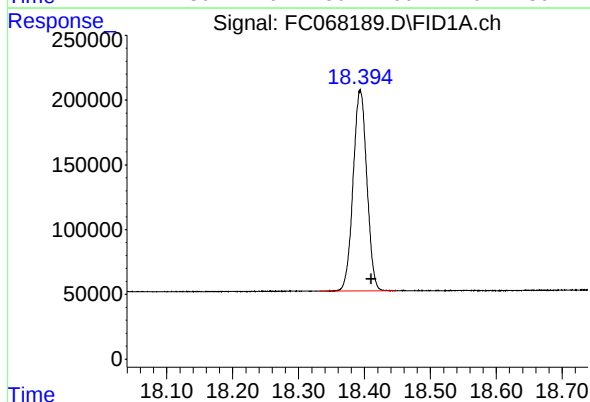
#17 n-Tricontane (C30)

R.T.: 17.563 min  
Delta R.T.: -0.018 min  
Response: 2343017  
Conc: 18.13 ug/ml

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

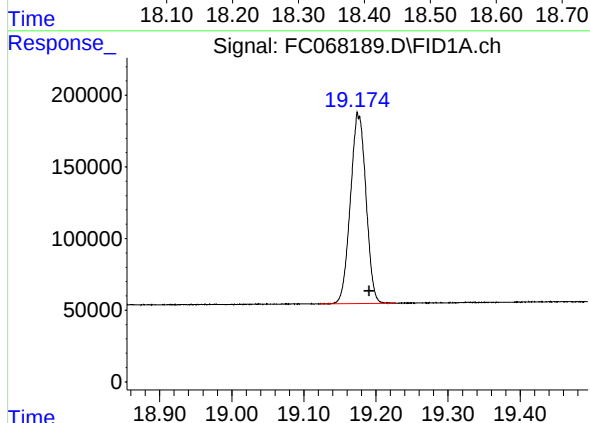
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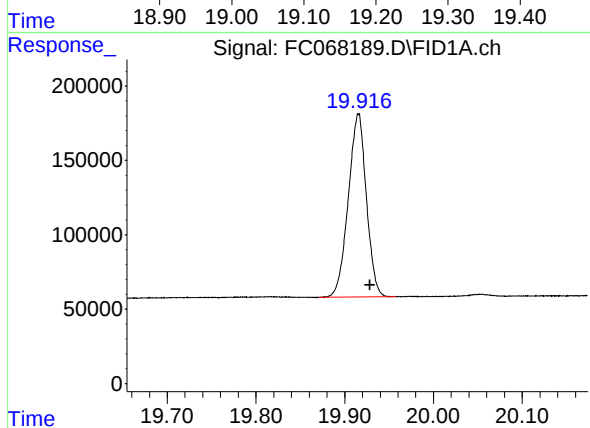
#18 n-Dotriacontane (C32)

R.T.: 18.394 min  
Delta R.T.: -0.017 min  
Response: 2248442  
Conc: 17.99 ug/ml



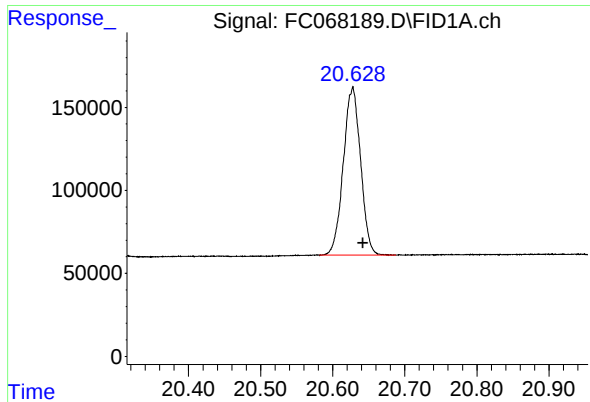
#19 n-Tetratriacontane (C34)

R.T.: 19.176 min  
Delta R.T.: -0.015 min  
Response: 1990478  
Conc: 18.35 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.915 min  
Delta R.T.: -0.013 min  
Response: 1743653  
Conc: 18.84 ug/ml



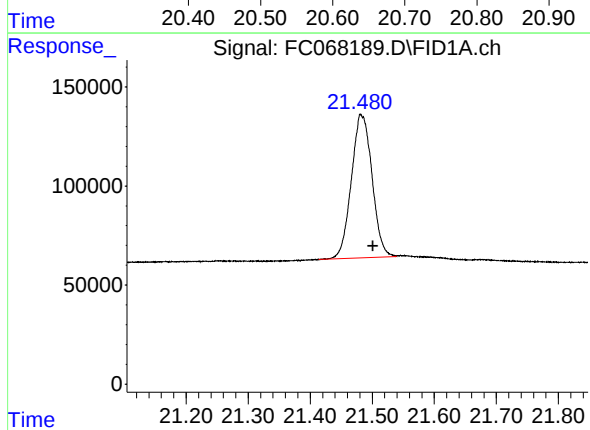
#21 n-Octatriacontane (C38)

R.T.: 20.627 min  
Delta R.T.: -0.015 min  
Response: 1682816  
Conc: 19.64 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.480 min  
Delta R.T.: -0.021 min  
Response: 1674839  
Conc: 20.71 ug/ml m