

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC030525AL\  
 Data File : FC068368.D  
 Signal(s) : FID1A.ch  
 Acq On : 05 Mar 2025 15:22  
 Operator : YP/AJ  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 03/06/2025  
 Supervised By :mohammad ahmed 03/07/2025

Integration File: autoint1.e  
 Quant Time: Mar 05 22:31:59 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 021125.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Mar 05 03:08:52 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)    | 11.390 | 2547479    | 16.602 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 33.20%        |
| 12) S 1-chlorooctadecane (S... | 12.833 | 1871173    | 16.636 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 33.27%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.202  | 2330793    | 16.568 ug/ml  |
| 2) T n-Decane (C10)            | 4.258  | 2383190    | 16.822 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 5.824  | 2562795    | 16.747 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.266  | 2364404    | 16.798 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 6.876  | 2401894    | 16.584 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.054  | 2271789    | 16.662 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.649  | 2300195    | 16.794 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.087 | 2305132    | 16.855 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.392 | 2217769    | 17.022 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.003 | 2161512    | 16.907 ug/ml  |
| 13) T n-Docosane (C22)         | 13.588 | 2213242    | 17.562 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.689 | 2327298    | 18.712 ug/mlm |
| 15) T n-Hexacosane (C26)       | 15.708 | 2383759    | 19.604 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.655 | 2456290    | 20.682 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.541 | 2650187    | 22.018 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.372 | 2609575    | 22.483 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.155 | 2222005    | 20.563 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 19.895 | 1834195    | 19.073 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 20.604 | 1656990    | 18.432 ug/ml  |
| 22) T n-Tetracontane (C40)     | 21.456 | 1548460    | 17.897 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC030525AL\  
Data File : FC068368.D  
Signal(s) : FID1A.ch  
Acq On : 05 Mar 2025 15:22  
Operator : YP/AJ  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

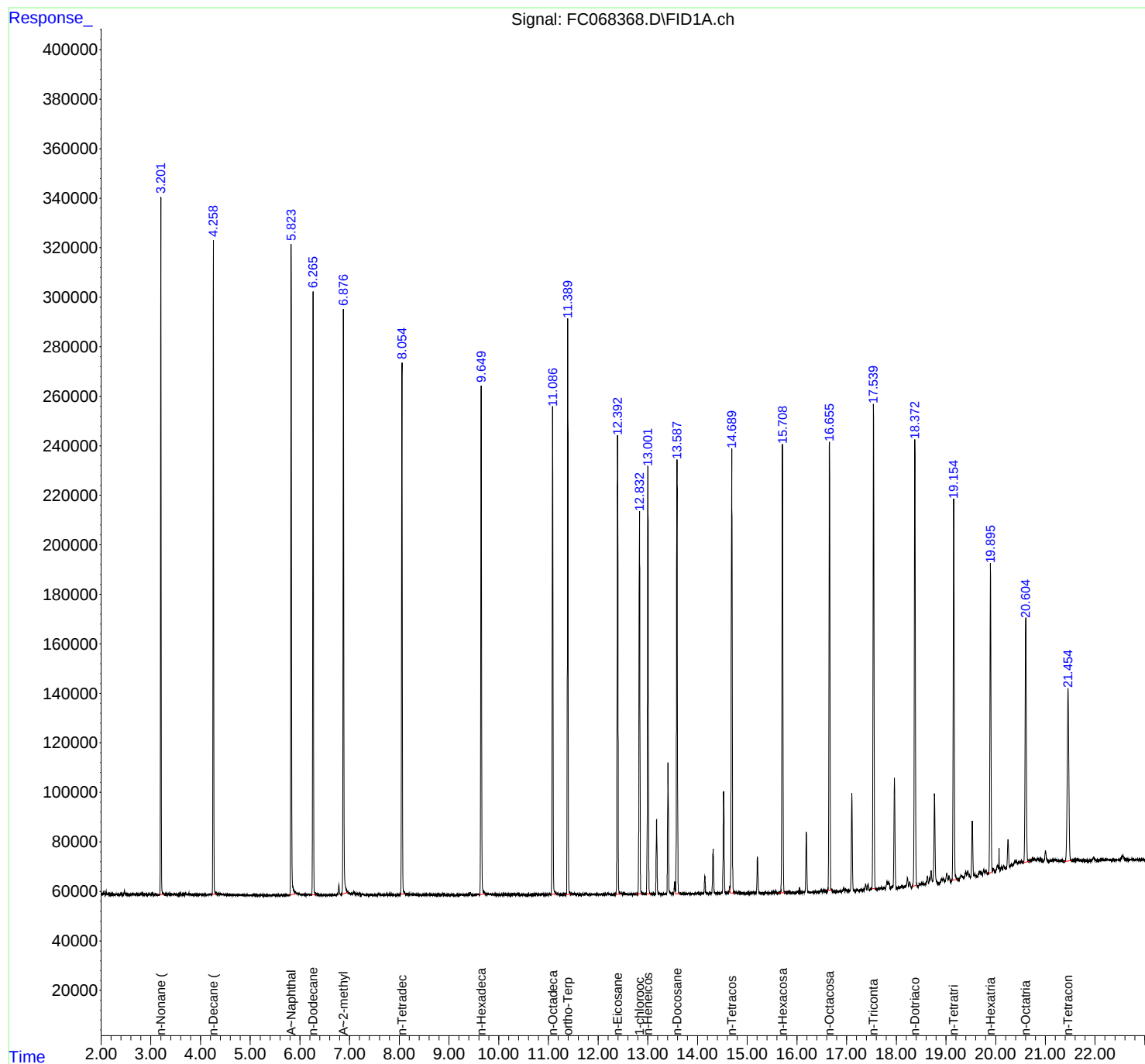
Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

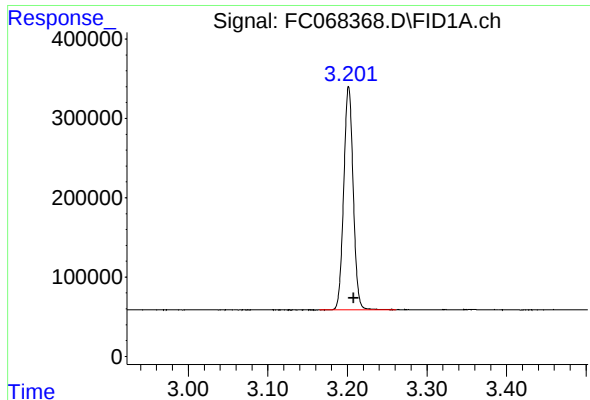
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 03/06/2025  
Supervised By :mohammad ahmed 03/07/2025

Integration File: autoint1.e  
Quant Time: Mar 05 22:31:59 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 021125.M  
Quant Title : GC Extractables  
QLast Update : Wed Mar 05 03:08:52 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





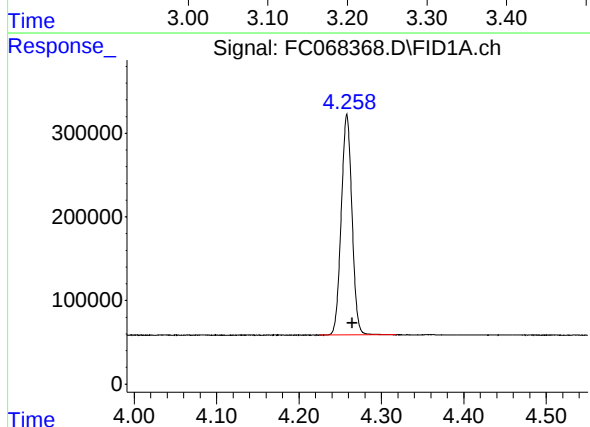
#1 n-Nonane (C9)

R.T.: 3.202 min  
Delta R.T.: -0.006 min  
Response: 2330793  
Conc: 16.57 ug/ml

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

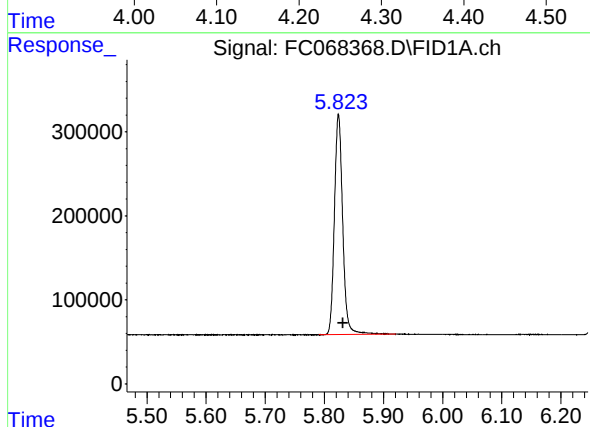
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 03/06/2025  
Supervised By :mohammad ahmed 03/07/2025



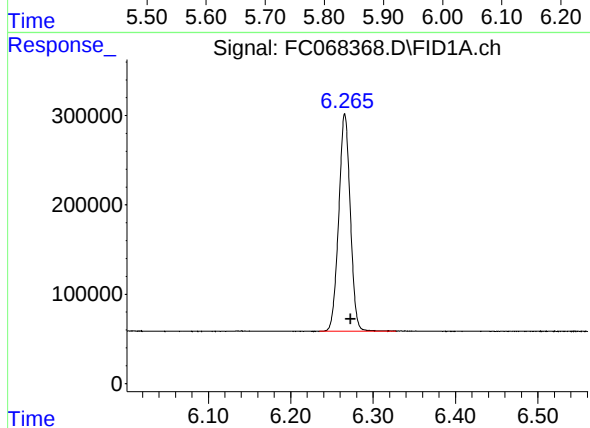
#2 n-Decane (C10)

R.T.: 4.258 min  
Delta R.T.: -0.007 min  
Response: 2383190  
Conc: 16.82 ug/ml



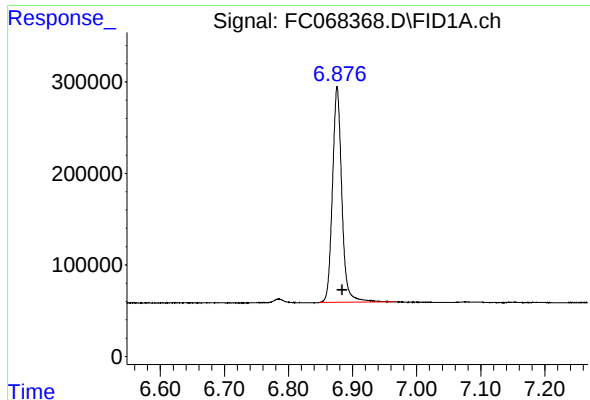
#3 A~Naphthalene (C11.7)

R.T.: 5.824 min  
Delta R.T.: -0.007 min  
Response: 2562795  
Conc: 16.75 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.266 min  
Delta R.T.: -0.007 min  
Response: 2364404  
Conc: 16.80 ug/ml



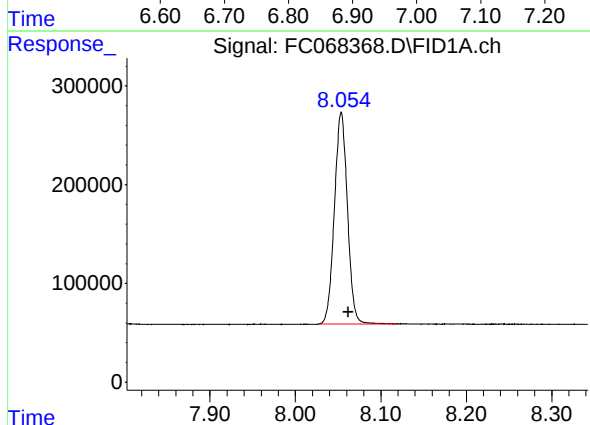
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.876 min  
Delta R.T.: -0.008 min  
Response: 2401894  
Conc: 16.58 ug/ml

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

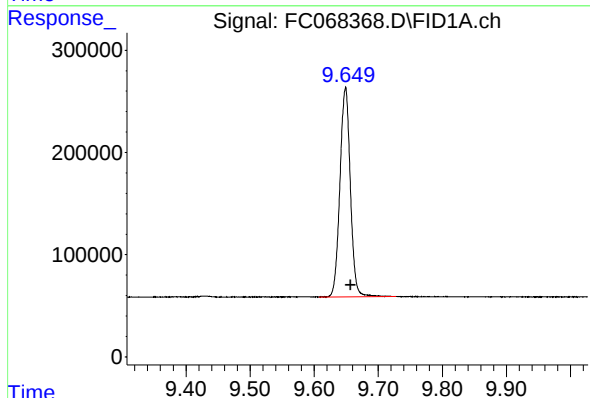
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 03/06/2025  
Supervised By :mohammad ahmed 03/07/2025



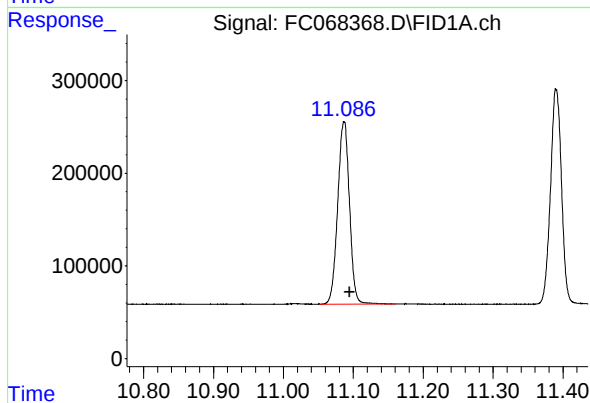
#6 n-Tetradecane (C14)

R.T.: 8.054 min  
Delta R.T.: -0.008 min  
Response: 2271789  
Conc: 16.66 ug/ml



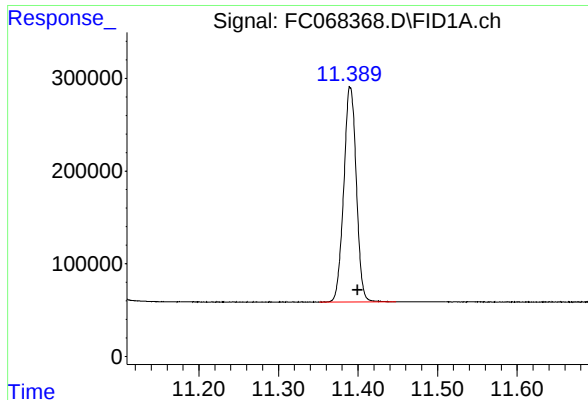
#7 n-Hexadecane (C16)

R.T.: 9.649 min  
Delta R.T.: -0.009 min  
Response: 2300195  
Conc: 16.79 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.087 min  
Delta R.T.: -0.008 min  
Response: 2305132  
Conc: 16.86 ug/ml



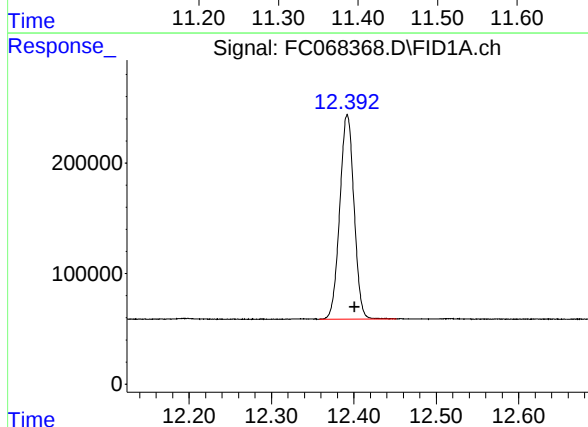
#9 ortho-Terphenyl (SURR)

R.T.: 11.390 min  
Delta R.T.: -0.009 min  
Response: 2547479  
Conc: 16.60 ug/ml

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

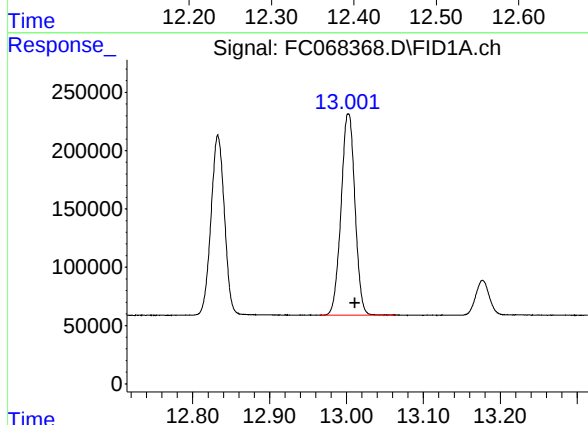
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 03/06/2025  
Supervised By :mohammad ahmed 03/07/2025



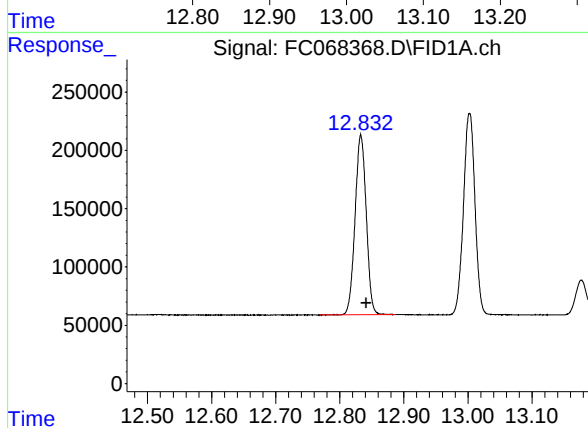
#10 n-Eicosane (C20)

R.T.: 12.392 min  
Delta R.T.: -0.009 min  
Response: 2217769  
Conc: 17.02 ug/ml



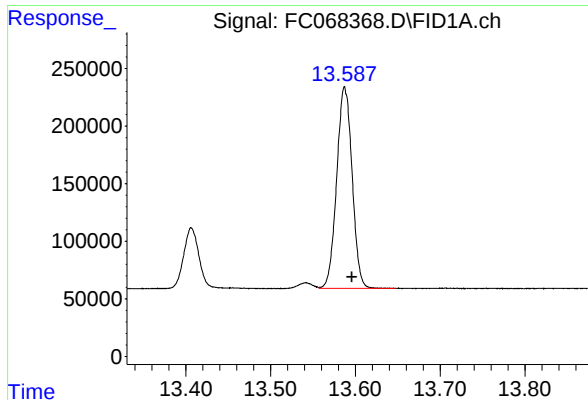
#11 n-Heneicosane (C21)

R.T.: 13.003 min  
Delta R.T.: -0.008 min  
Response: 2161512  
Conc: 16.91 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.833 min  
Delta R.T.: -0.009 min  
Response: 1871173  
Conc: 16.64 ug/ml



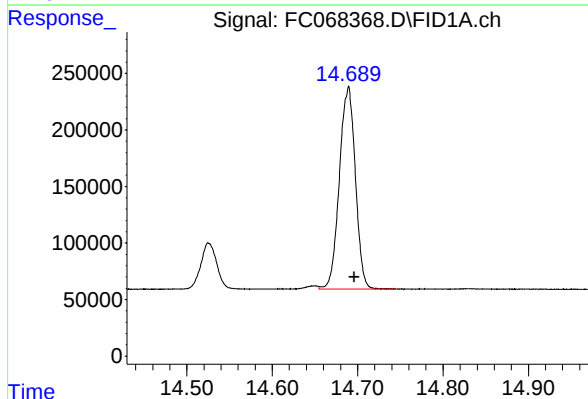
#13 n-Docosane (C22)

R.T.: 13.588 min  
Delta R.T.: -0.008 min  
Response: 2213242  
Conc: 17.56 ug/ml

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

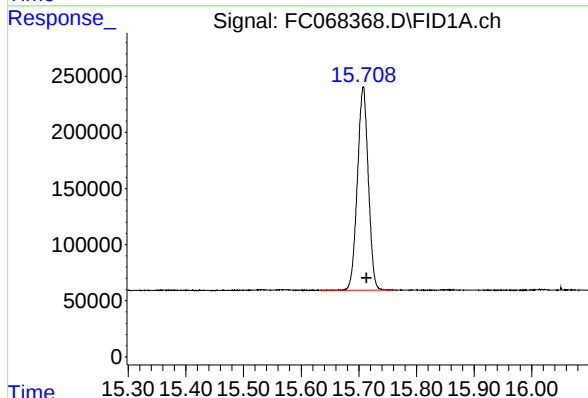
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 03/06/2025  
Supervised By :mohammad ahmed 03/07/2025



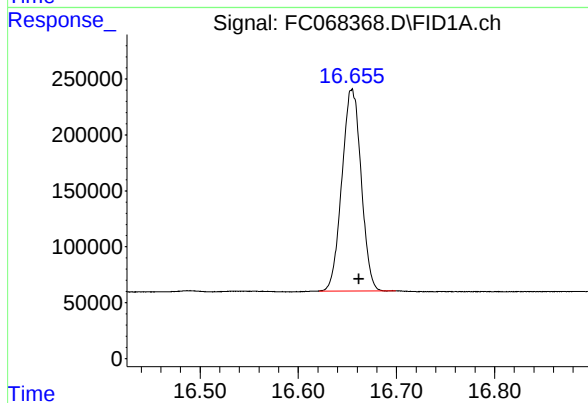
#14 n-Tetracosane (C24)

R.T.: 14.689 min  
Delta R.T.: -0.007 min  
Response: 2327298  
Conc: 18.71 ug/ml m



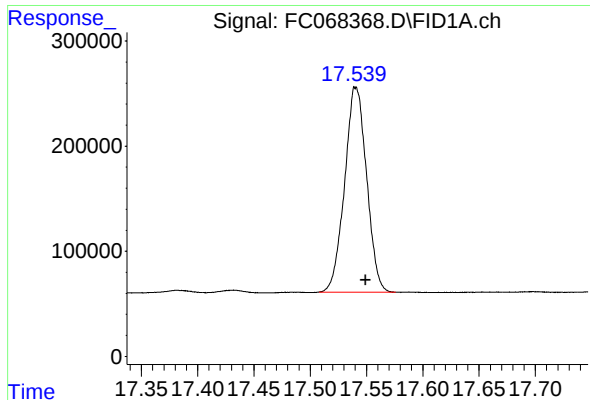
#15 n-Hexacosane (C26)

R.T.: 15.708 min  
Delta R.T.: -0.006 min  
Response: 2383759  
Conc: 19.60 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.655 min  
Delta R.T.: -0.007 min  
Response: 2456290  
Conc: 20.68 ug/ml



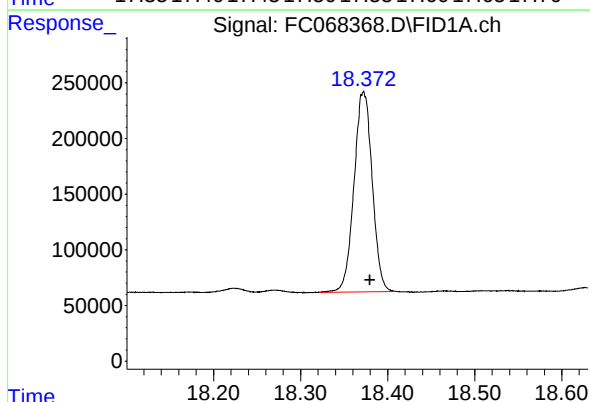
#17 n-Tricontane (C30)

R.T.: 17.541 min  
Delta R.T.: -0.008 min  
Response: 2650187  
Conc: 22.02 ug/ml

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

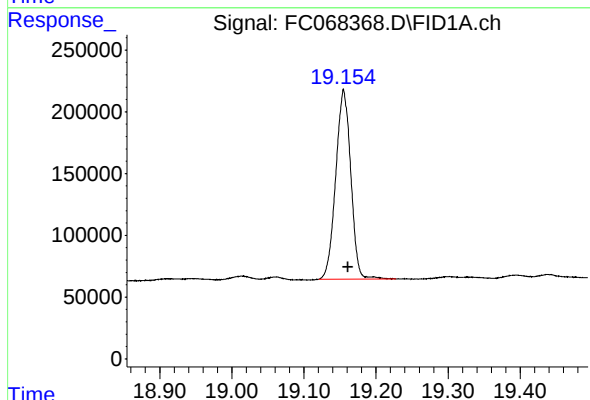
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 03/06/2025  
Supervised By :mohammad ahmed 03/07/2025



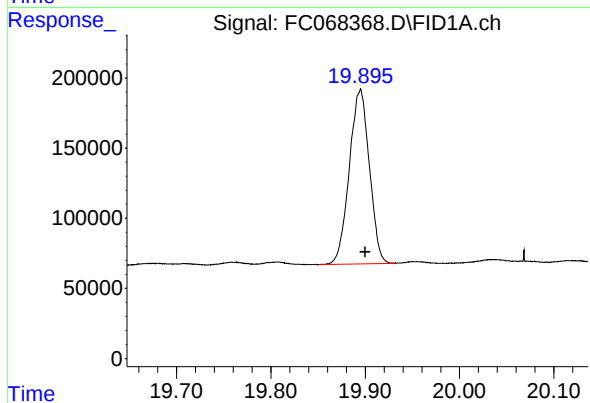
#18 n-Dotriacontane (C32)

R.T.: 18.372 min  
Delta R.T.: -0.007 min  
Response: 2609575  
Conc: 22.48 ug/ml



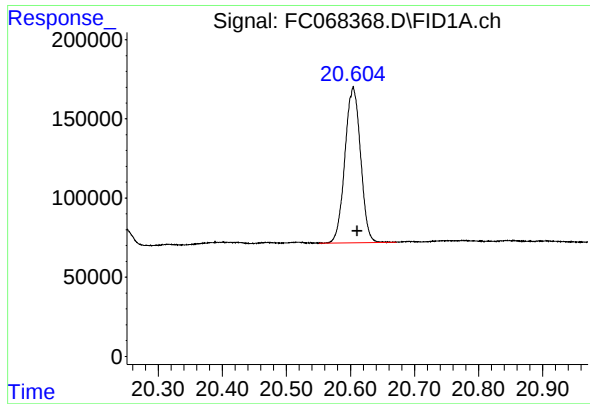
#19 n-Tetatriacontane (C34)

R.T.: 19.155 min  
Delta R.T.: -0.006 min  
Response: 2222005  
Conc: 20.56 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.895 min  
Delta R.T.: -0.006 min  
Response: 1834195  
Conc: 19.07 ug/ml



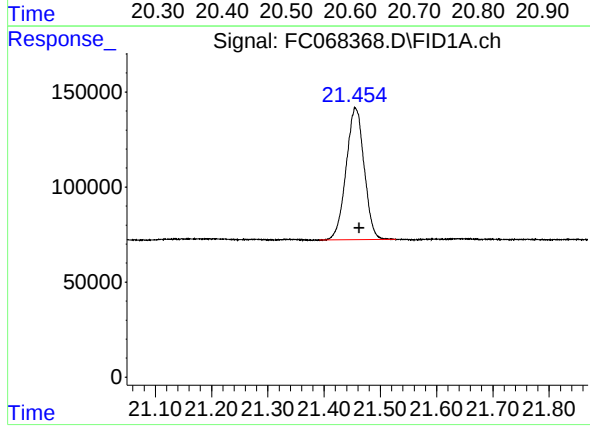
#21 n-Octatriacontane (C38)

R.T.: 20.604 min  
Delta R.T.: -0.007 min  
Response: 1656990  
Conc: 18.43 ug/ml

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

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 03/06/2025  
Supervised By :mohammad ahmed 03/07/2025



#22 n-Tetracontane (C40)

R.T.: 21.456 min  
Delta R.T.: -0.007 min  
Response: 1548460  
Conc: 17.90 ug/ml