

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC062525AL\  
 Data File : FC069277.D  
 Signal(s) : FID1A.ch  
 Acq On : 25 Jun 2025 09:59  
 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 06/26/2025  
 Supervised By :mohammad ahmed 06/27/2025

Integration File: autoint1.e  
 Quant Time: Jun 26 05:16:08 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 061825.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Jun 18 14:24:27 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)    | 11.677 | 3548939    | 20.543 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 41.09%        |
| 12) S 1-chlorooctadecane (S... | 13.112 | 2691907    | 20.605 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 41.21%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.406  | 2832388    | 19.916 ug/ml  |
| 2) T n-Decane (C10)            | 4.479  | 2957194    | 20.200 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.074  | 3248955    | 20.193 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.505  | 3068704    | 20.266 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.134  | 3270511    | 20.667 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.304  | 3121204    | 20.136 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.909  | 3158866    | 19.330 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.354 | 3096150    | 18.963 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.666 | 2958040    | 19.379 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.280 | 2879887    | 19.539 ug/ml  |
| 13) T n-Docosane (C22)         | 13.867 | 2823893    | 19.626 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.972 | 2742626    | 19.884 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.994 | 2639506    | 20.192 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.944 | 2609073    | 21.155 ug/mlm |
| 17) T n-Tricontane (C30)       | 17.833 | 2704814    | 22.752 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.668 | 2674645    | 24.462 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.453 | 2341356    | 24.246 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.195 | 1878717    | 22.797 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 20.961 | 1367451    | 18.298 ug/ml  |
| 22) T n-Tetracontane (C40)     | 21.927 | 1098816    | 15.516 ug/mlm |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC062525AL\  
Data File : FC069277.D  
Signal(s) : FID1A.ch  
Acq On : 25 Jun 2025 09:59  
Operator : YP/AJ  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

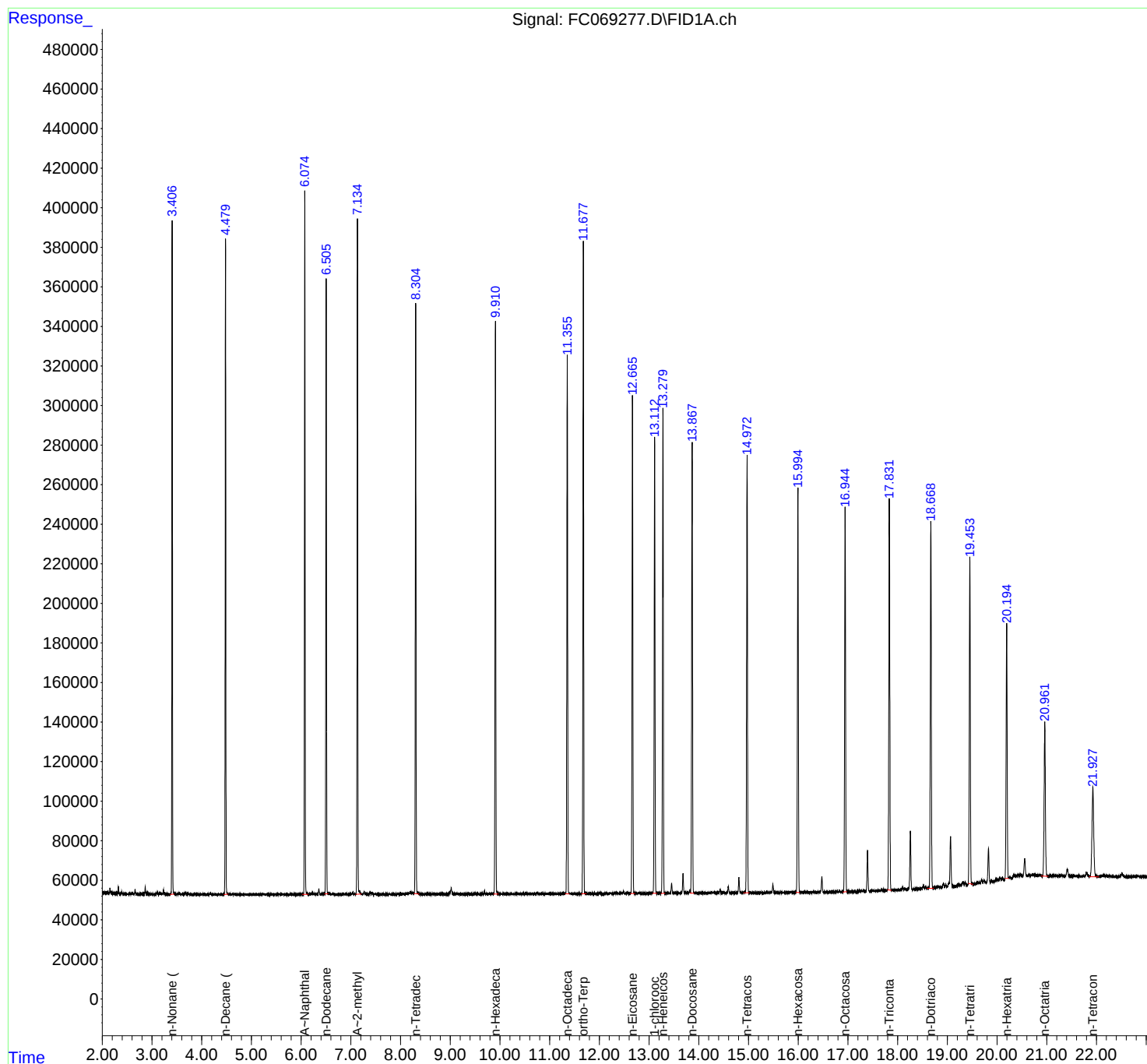
Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

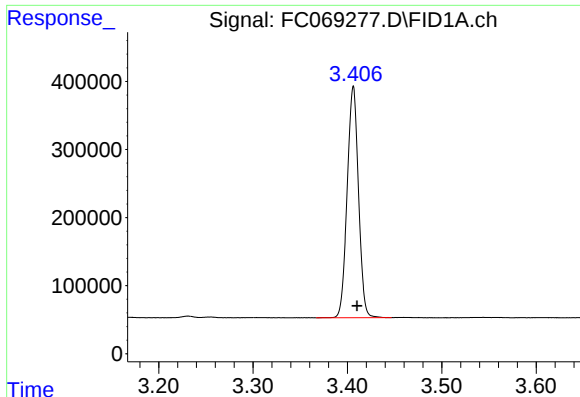
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 06/26/2025  
Supervised By :mohammad ahmed 06/27/2025

Integration File: autoint1.e  
Quant Time: Jun 26 05:16:08 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 061825.M  
Quant Title : GC Extractables  
QLast Update : Wed Jun 18 14:24:27 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





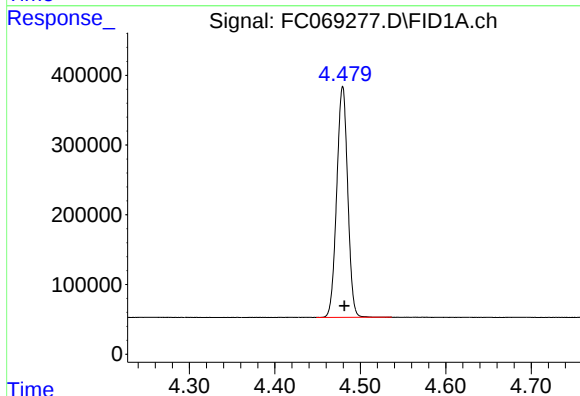
#1 n-Nonane (C9)

R.T.: 3.406 min  
Delta R.T.: -0.004 min  
Response: 2832388  
Conc: 19.92 ug/ml

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

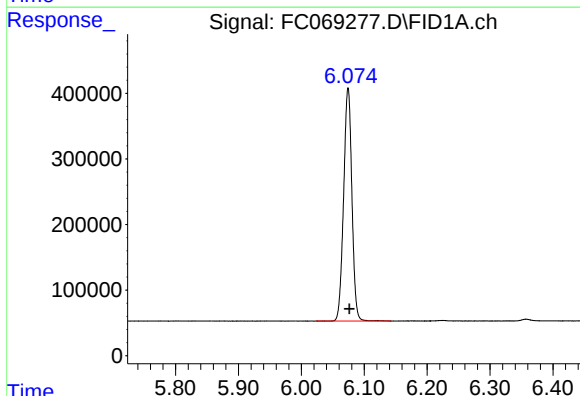
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 06/26/2025  
Supervised By :mohammad ahmed 06/27/2025



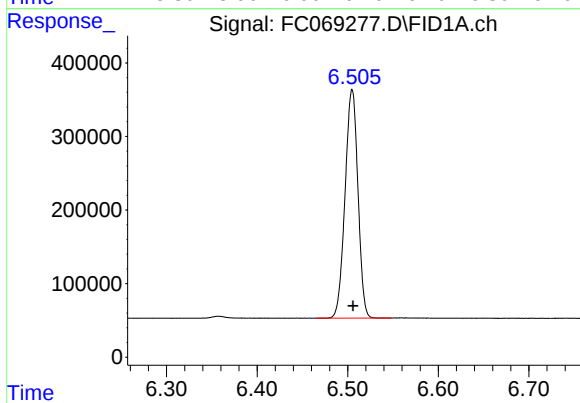
#2 n-Decane (C10)

R.T.: 4.479 min  
Delta R.T.: -0.002 min  
Response: 2957194  
Conc: 20.20 ug/ml



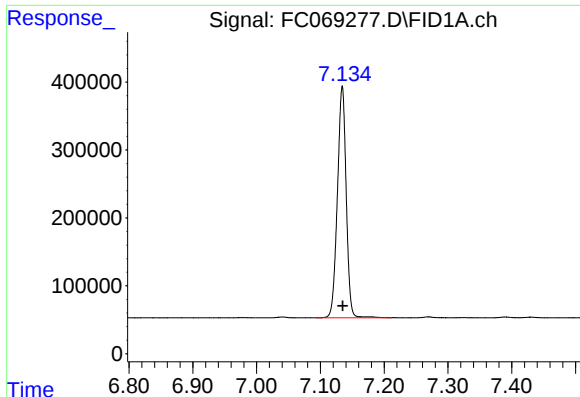
#3 A~Naphthalene (C11.7)

R.T.: 6.074 min  
Delta R.T.: -0.002 min  
Response: 3248955  
Conc: 20.19 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.505 min  
Delta R.T.: -0.001 min  
Response: 3068704  
Conc: 20.27 ug/ml



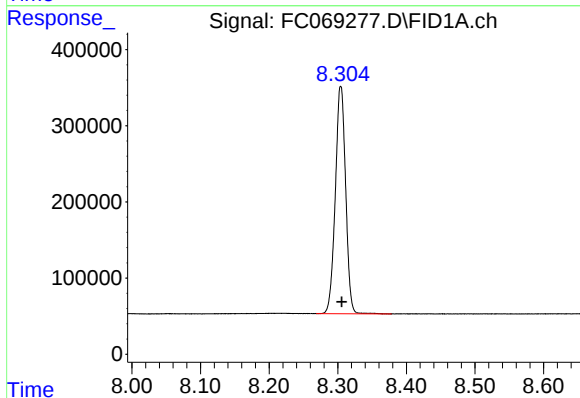
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.134 min  
Delta R.T.: -0.001 min  
Response: 3270511  
Conc: 20.67 ug/ml

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

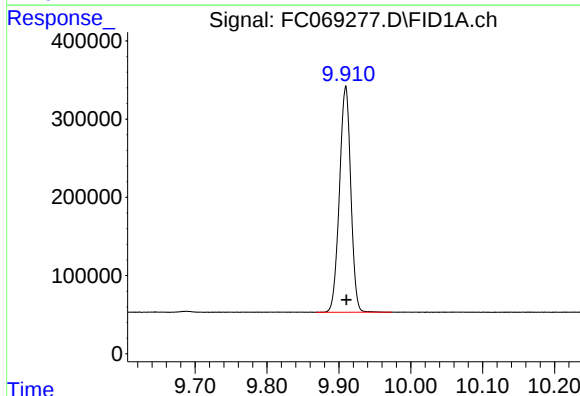
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 06/26/2025  
Supervised By :mohammad ahmed 06/27/2025



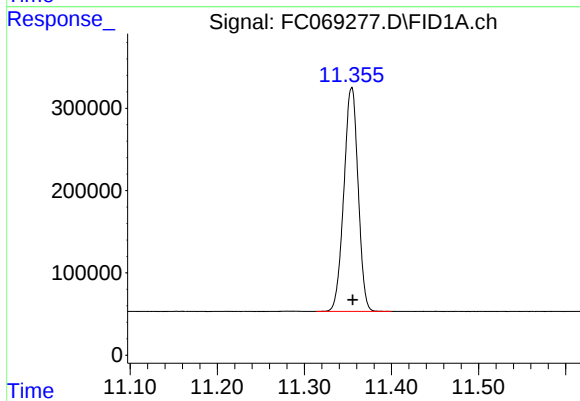
#6 n-Tetradecane (C14)

R.T.: 8.304 min  
Delta R.T.: -0.002 min  
Response: 3121204  
Conc: 20.14 ug/ml



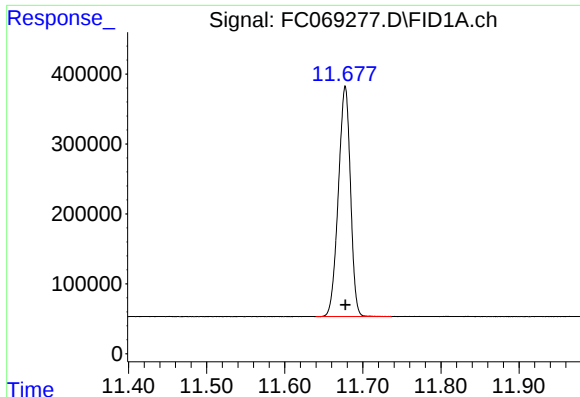
#7 n-Hexadecane (C16)

R.T.: 9.909 min  
Delta R.T.: -0.001 min  
Response: 3158866  
Conc: 19.33 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.354 min  
Delta R.T.: -0.001 min  
Response: 3096150  
Conc: 18.96 ug/ml



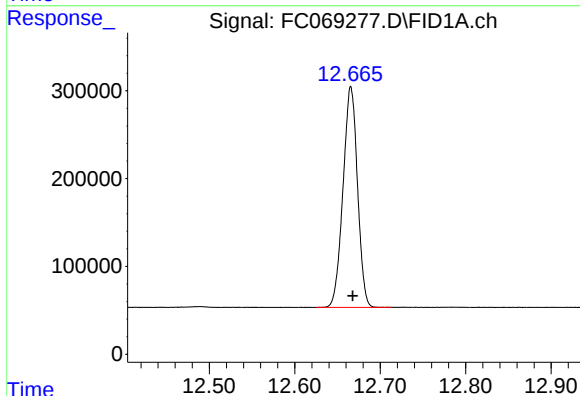
#9 ortho-Terphenyl (SURR)

R.T.: 11.677 min  
Delta R.T.: 0.000 min  
Response: 3548939  
Conc: 20.54 ug/ml

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

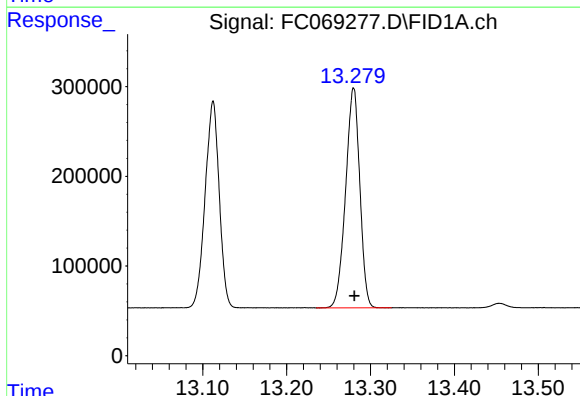
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 06/26/2025  
Supervised By :mohammad ahmed 06/27/2025



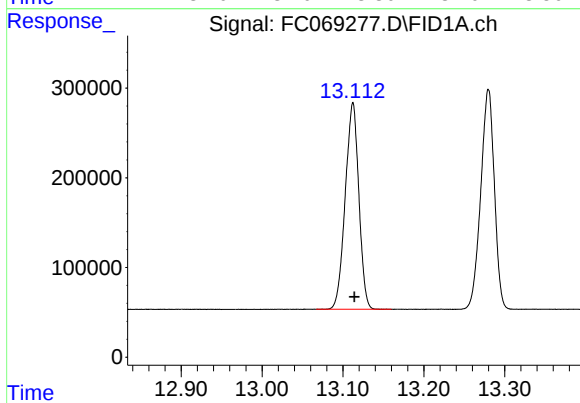
#10 n-Eicosane (C20)

R.T.: 12.666 min  
Delta R.T.: -0.002 min  
Response: 2958040  
Conc: 19.38 ug/ml



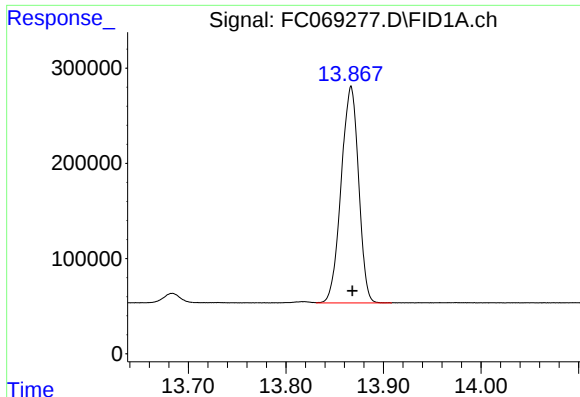
#11 n-Heneicosane (C21)

R.T.: 13.280 min  
Delta R.T.: 0.000 min  
Response: 2879887  
Conc: 19.54 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.112 min  
Delta R.T.: -0.002 min  
Response: 2691907  
Conc: 20.61 ug/ml



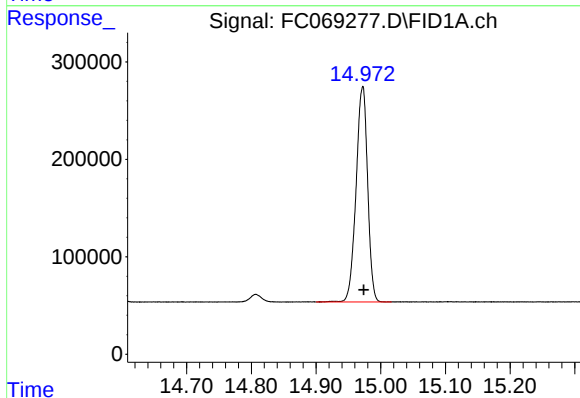
#13 n-Docosane (C22)

R.T.: 13.867 min  
Delta R.T.: -0.002 min  
Response: 2823893  
Conc: 19.63 ug/ml

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

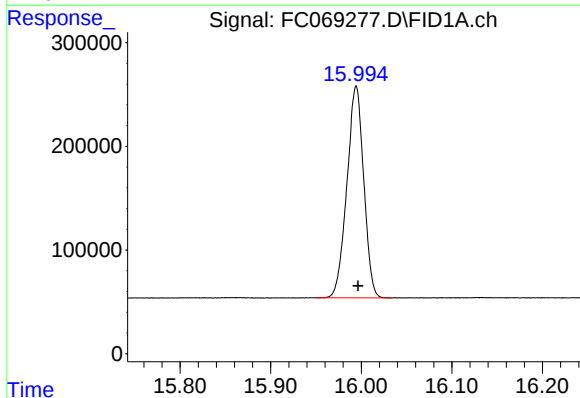
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 06/26/2025  
Supervised By :mohammad ahmed 06/27/2025



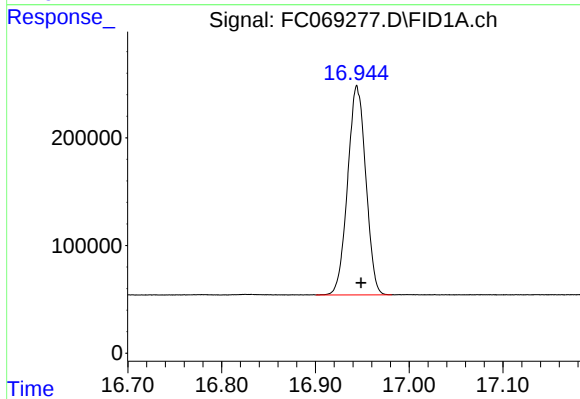
#14 n-Tetracosane (C24)

R.T.: 14.972 min  
Delta R.T.: -0.002 min  
Response: 2742626  
Conc: 19.88 ug/ml



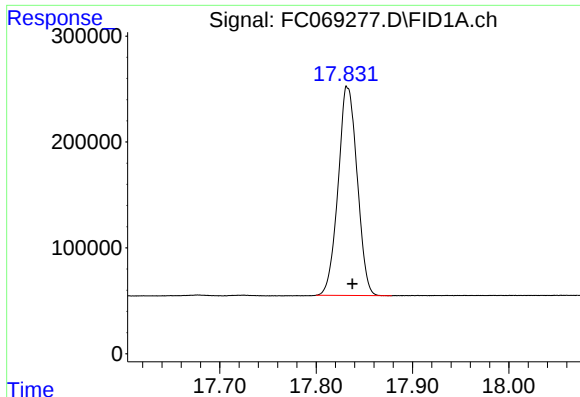
#15 n-Hexacosane (C26)

R.T.: 15.994 min  
Delta R.T.: -0.002 min  
Response: 2639506  
Conc: 20.19 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.944 min  
Delta R.T.: -0.005 min  
Response: 2609073  
Conc: 21.16 ug/ml m



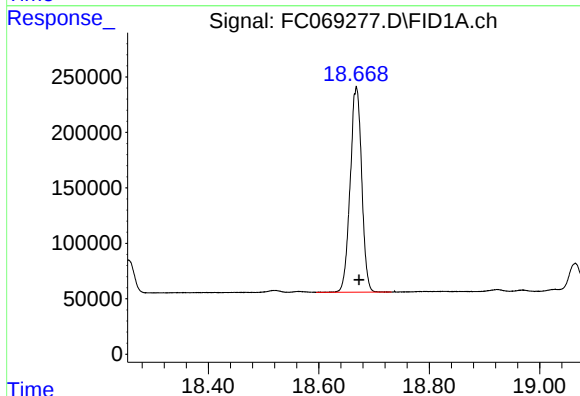
#17 n-Tricontane (C30)

R.T.: 17.833 min  
Delta R.T.: -0.005 min  
Response: 2704814  
Conc: 22.75 ug/ml

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

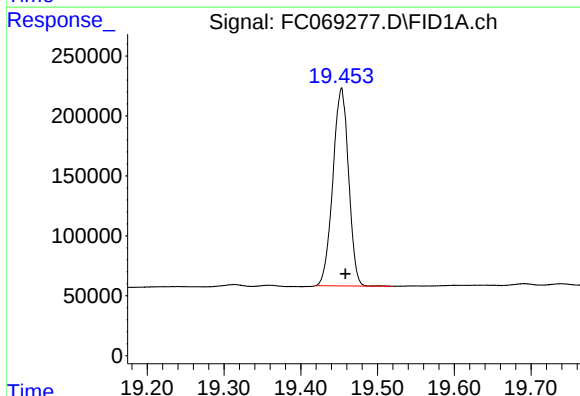
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 06/26/2025  
Supervised By :mohammad ahmed 06/27/2025



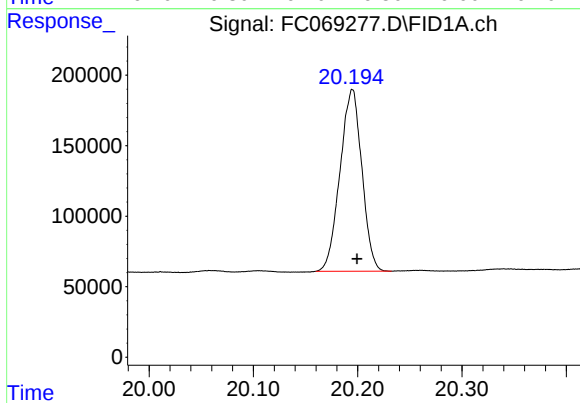
#18 n-Dotriacontane (C32)

R.T.: 18.668 min  
Delta R.T.: -0.005 min  
Response: 2674645  
Conc: 24.46 ug/ml



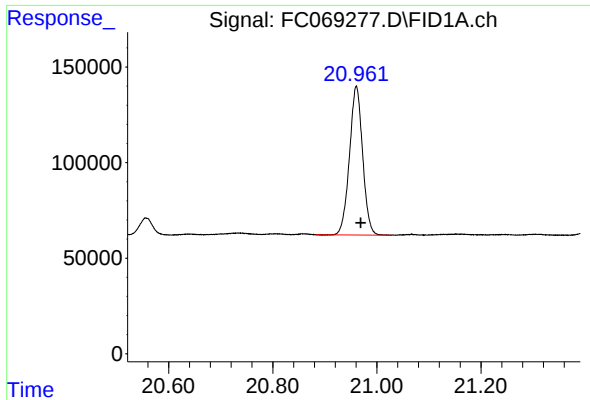
#19 n-Tetratriacontane (C34)

R.T.: 19.453 min  
Delta R.T.: -0.005 min  
Response: 2341356  
Conc: 24.25 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.195 min  
Delta R.T.: -0.005 min  
Response: 1878717  
Conc: 22.80 ug/ml



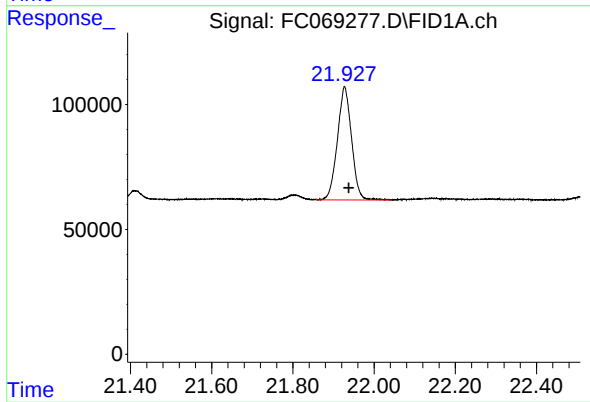
#21 n-Octatriacontane (C38)

R.T.: 20.961 min  
Delta R.T.: -0.008 min  
Response: 1367451  
Conc: 18.30 ug/ml

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

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 06/26/2025  
Supervised By :mohammad ahmed 06/27/2025



#22 n-Tetracontane (C40)

R.T.: 21.927 min  
Delta R.T.: -0.011 min  
Response: 1098816  
Conc: 15.52 ug/ml m