

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111225AL\
 Data File : FE056806.D
 Signal(s) : FID1B.ch
 Acq On : 13 Nov 2025 07:58
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/14/2025
 Supervised By :Sohil Jodhani 11/14/2025

Integration File: sample.E
 Quant Time: Nov 14 00:32:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 103025.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 30 12:50:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

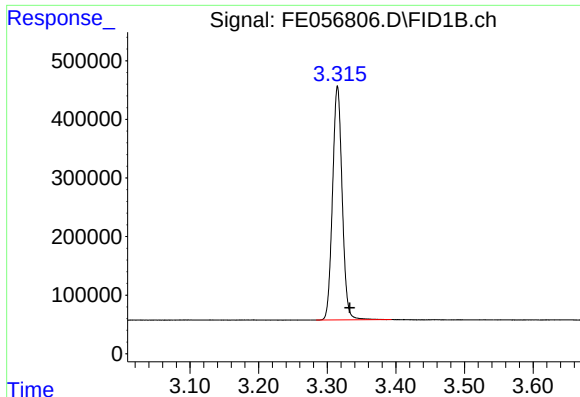
Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.952	4570271	21.876 ug/ml
Spiked Amount 50.000		Recovery =	43.75%
12) S 1-chlorooctadecane (S...	13.390	3467474	21.521 ug/ml
Spiked Amount 50.000		Recovery =	43.04%
Target Compounds			
1) T n-Nonane (C9)	3.315	3897621	23.205 ug/ml
2) T n-Decane (C10)	4.567	4106641	23.932 ug/ml
3) T A~Naphthalene (C11.7)	6.280	4241978	22.981 ug/ml
4) T n-Dodecane (C12)	6.737	4227904	24.308 ug/ml
5) T A~2-methylnaphthalene...	7.379	4050180	22.854 ug/ml
6) T n-Tetradecane (C14)	8.571	4185591	23.979 ug/ml
7) T n-Hexadecane (C16)	10.182	4277434	23.379 ug/ml
8) T n-Octadecane (C18)	11.629	4305460	22.748 ug/ml
10) T n-Eicosane (C20)	12.942	4088949	21.941 ug/ml
11) T n-Heneicosane (C21)	13.556	3980403	21.647 ug/ml
13) T n-Docosane (C22)	14.144	3972425	21.220 ug/ml
14) T n-Tetracosane (C24)	15.250	4007169	20.459 ug/ml
15) T n-Hexacosane (C26)	16.273	3926223	20.203 ug/ml
16) T n-Octacosane (C28)	17.224	3931976	20.303 ug/ml
17) T n-Tricontane (C30)	18.114	4095248	20.426 ug/ml
18) T n-Dotriacontane (C32)	18.948	4100055	20.850 ug/ml
19) T n-Tetratriacontane (C34)	19.734	3760594	21.787 ug/ml
20) T n-Hexatriacontane (C36)	20.476	3279807	22.673 ug/ml
21) T n-Octatriacontane (C38)	21.222	3044784	24.192 ug/mlm
22) T n-Tetracontane (C40)	22.160	2965115	25.647 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.



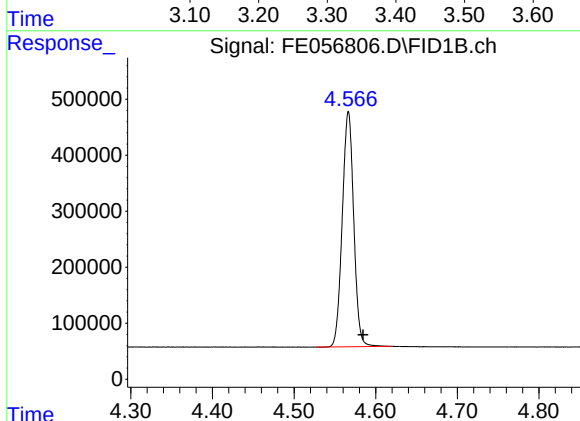
#1 n-Nonane (C9)

R.T.: 3.315 min
Delta R.T.: -0.018 min
Response: 3897621
Conc: 23.21 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

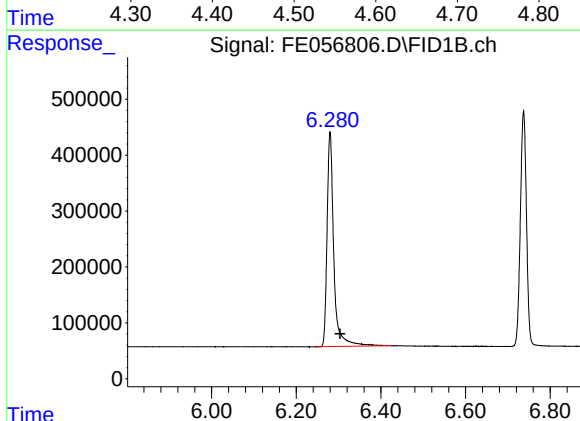
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025



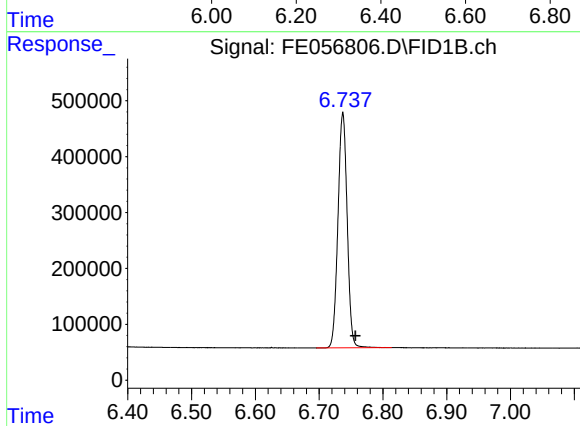
#2 n-Decane (C10)

R.T.: 4.567 min
Delta R.T.: -0.018 min
Response: 4106641
Conc: 23.93 ug/ml



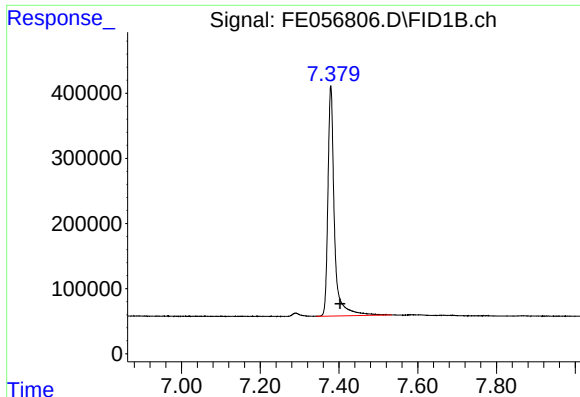
#3 A~Naphthalene (C11.7)

R.T.: 6.280 min
Delta R.T.: -0.023 min
Response: 4241978
Conc: 22.98 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.737 min
Delta R.T.: -0.020 min
Response: 4227904
Conc: 24.31 ug/ml



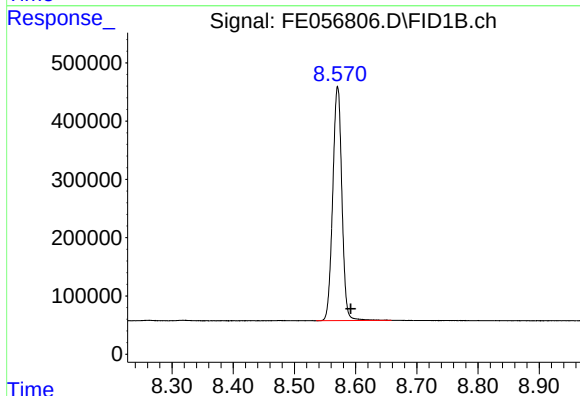
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.379 min
Delta R.T.: -0.024 min
Response: 4050180
Conc: 22.85 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

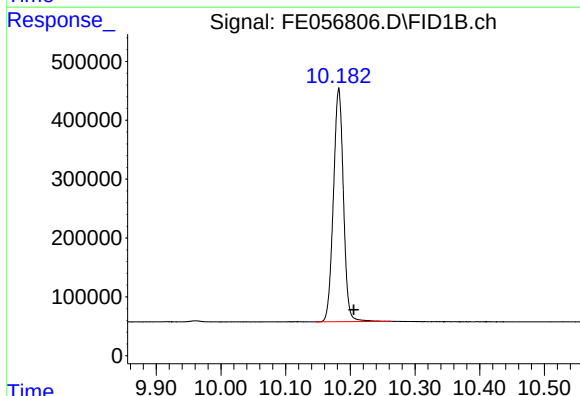
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025



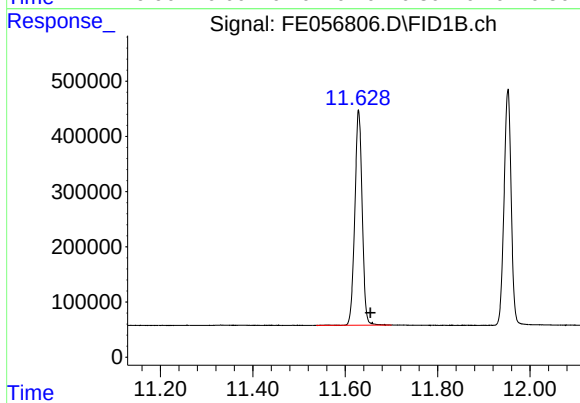
#6 n-Tetradecane (C14)

R.T.: 8.571 min
Delta R.T.: -0.021 min
Response: 4185591
Conc: 23.98 ug/ml



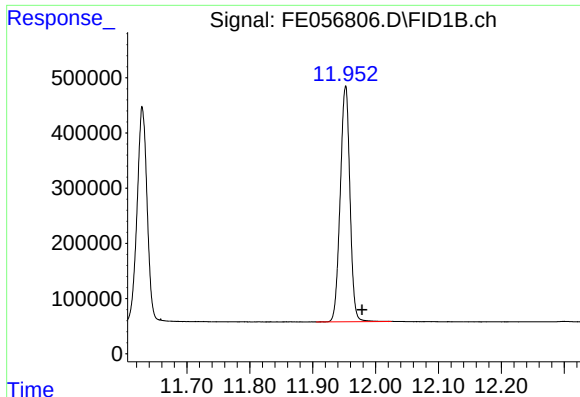
#7 n-Hexadecane (C16)

R.T.: 10.182 min
Delta R.T.: -0.023 min
Response: 4277434
Conc: 23.38 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.629 min
Delta R.T.: -0.025 min
Response: 4305460
Conc: 22.75 ug/ml



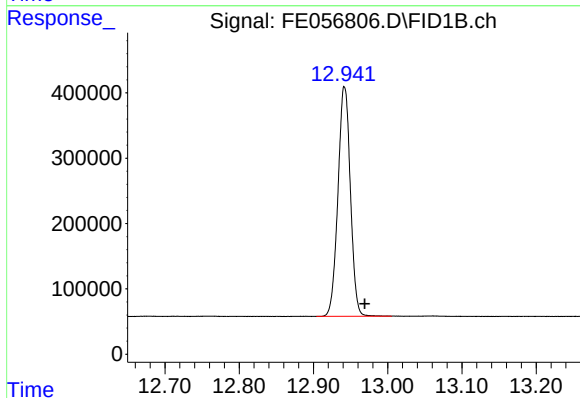
#9 ortho-Terphenyl (SURR)

R.T.: 11.952 min
Delta R.T.: -0.027 min
Response: 4570271
Conc: 21.88 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

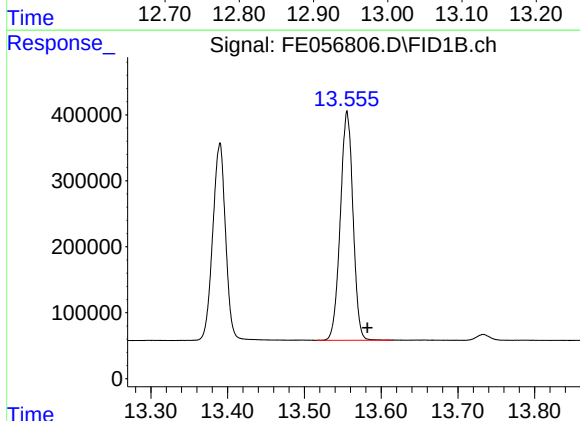
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025



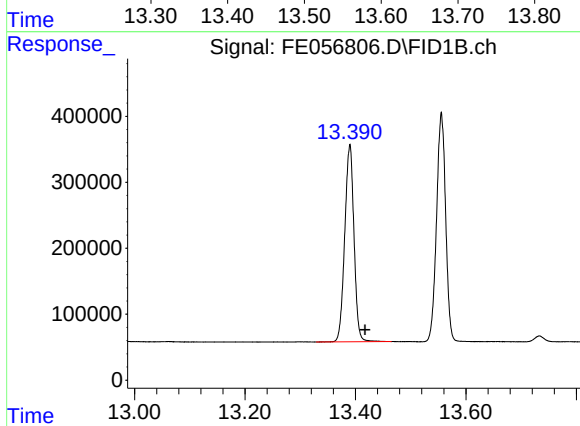
#10 n-Eicosane (C20)

R.T.: 12.942 min
Delta R.T.: -0.027 min
Response: 4088949
Conc: 21.94 ug/ml



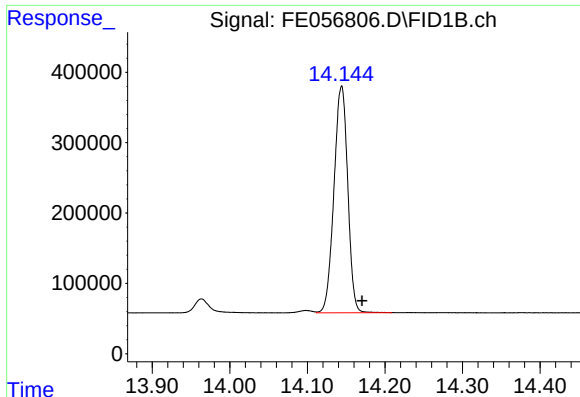
#11 n-Heneicosane (C21)

R.T.: 13.556 min
Delta R.T.: -0.027 min
Response: 3980403
Conc: 21.65 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.390 min
Delta R.T.: -0.028 min
Response: 3467474
Conc: 21.52 ug/ml



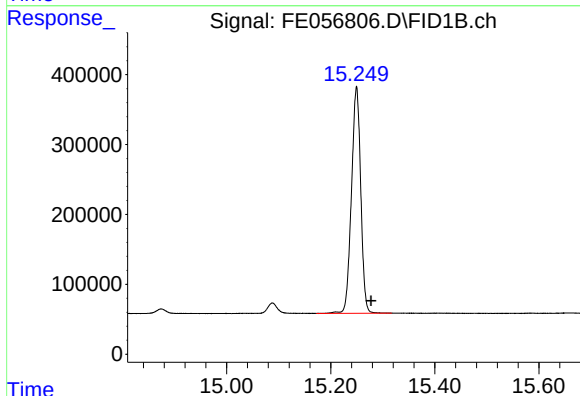
#13 n-Docosane (C22)

R.T.: 14.144 min
Delta R.T.: -0.027 min
Response: 3972425
Conc: 21.22 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

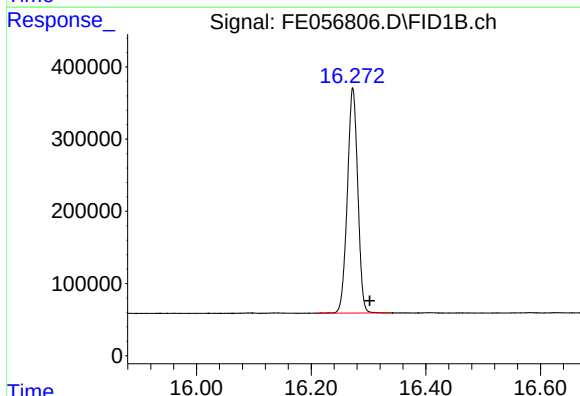
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025



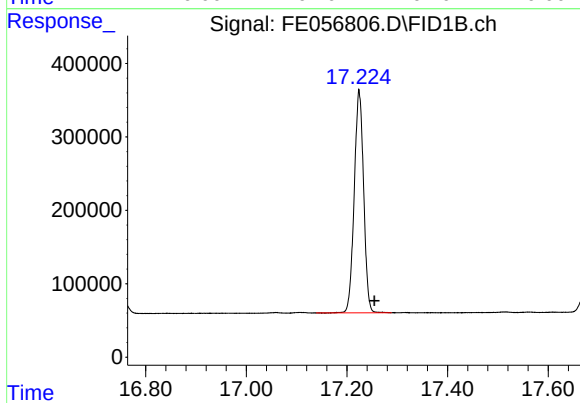
#14 n-Tetracosane (C24)

R.T.: 15.250 min
Delta R.T.: -0.028 min
Response: 4007169
Conc: 20.46 ug/ml



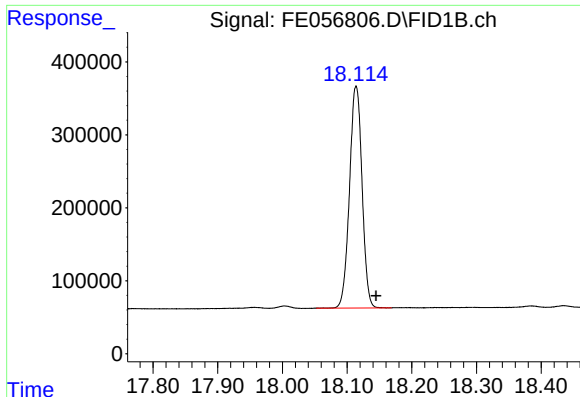
#15 n-Hexacosane (C26)

R.T.: 16.273 min
Delta R.T.: -0.029 min
Response: 3926223
Conc: 20.20 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.224 min
Delta R.T.: -0.030 min
Response: 3931976
Conc: 20.30 ug/ml



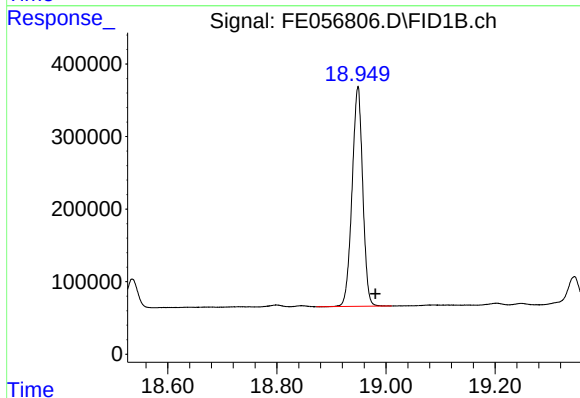
#17 n-Tricontane (C30)

R.T.: 18.114 min
Delta R.T.: -0.031 min
Response: 4095248
Conc: 20.43 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

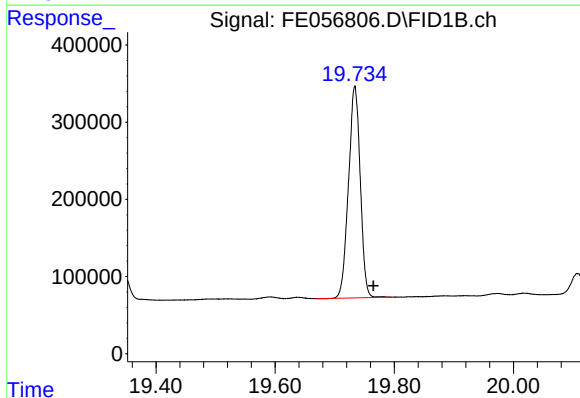
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025



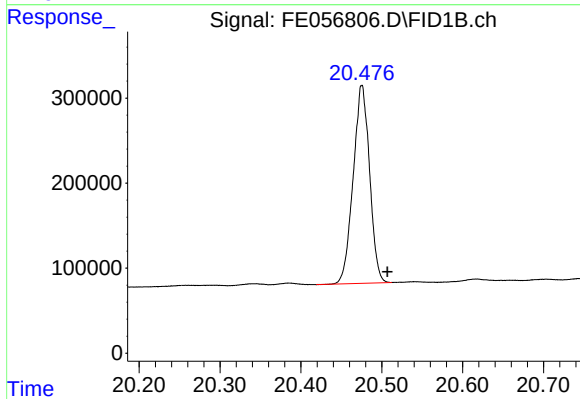
#18 n-Dotriacontane (C32)

R.T.: 18.948 min
Delta R.T.: -0.032 min
Response: 4100055
Conc: 20.85 ug/ml



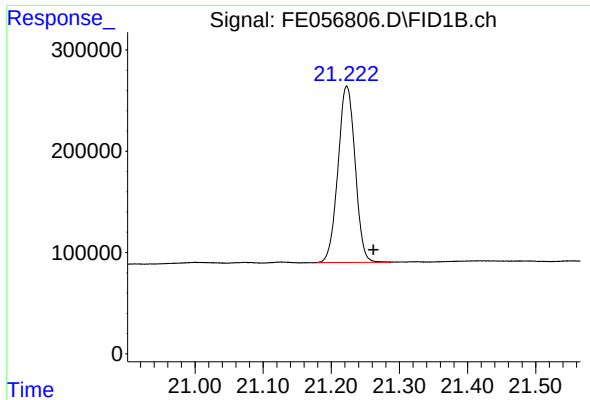
#19 n-Tetratriacontane (C34)

R.T.: 19.734 min
Delta R.T.: -0.031 min
Response: 3760594
Conc: 21.79 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.476 min
Delta R.T.: -0.031 min
Response: 3279807
Conc: 22.67 ug/ml



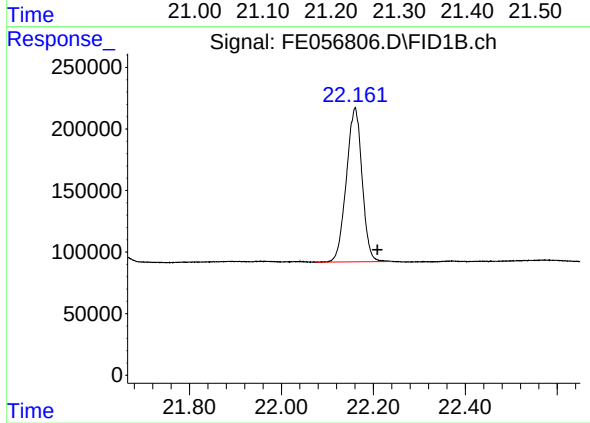
#21 n-Octatriacontane (C38)

R.T.: 21.222 min
Delta R.T.: -0.040 min
Response: 3044784
Conc: 24.19 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025



#22 n-Tetracontane (C40)

R.T.: 22.160 min
Delta R.T.: -0.049 min
Response: 2965115
Conc: 25.65 ug/ml