

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082125AL\
 Data File : FE055419.D
 Signal(s) : FID1B.ch
 Acq On : 21 Aug 2025 09:37
 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 :Yogesh Patel 08/22/2025
 Supervised By :mohammad ahmed 08/25/2025

Integration File: autoint1.e
 Quant Time: Aug 22 01:15:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 13:47:09 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)	12.085	3120322	21.850 ug/ml
Spiked Amount 50.000		Recovery =	43.70%
12) S 1-chlorooctadecane (S...	13.521	2370175	22.043 ug/mlm
Spiked Amount 50.000		Recovery =	44.09%
Target Compounds			
1) T n-Nonane (C9)	3.419	2429995	21.173 ug/ml
2) T n-Decane (C10)	4.677	2482440	21.309 ug/ml
3) T A~Naphthalene (C11.7)	6.399	2884816	21.492 ug/ml
4) T n-Dodecane (C12)	6.854	2553283	21.441 ug/ml
5) T A~2-methylnaphthalene...	7.501	2805279	21.516 ug/ml
6) T n-Tetradecane (C14)	8.692	2605866	21.253 ug/ml
7) T n-Hexadecane (C16)	10.307	2738785	21.423 ug/ml
8) T n-Octadecane (C18)	11.758	2822345	21.631 ug/ml
10) T n-Eicosane (C20)	13.073	2749754	21.915 ug/ml
11) T n-Heneicosane (C21)	13.687	2717109	22.042 ug/ml
13) T n-Docosane (C22)	14.276	2701805	22.124 ug/ml
14) T n-Tetracosane (C24)	15.382	2660623	21.874 ug/mlm
15) T n-Hexacosane (C26)	16.408	2597742	21.712 ug/mlm
16) T n-Octacosane (C28)	17.360	2561234	21.591 ug/mlm
17) T n-Tricontane (C30)	18.250	2657827	21.600 ug/ml
18) T n-Dotriacontane (C32)	19.084	2629872	21.554 ug/mlm
19) T n-Tetratriacontane (C34)	19.870	2531211	21.649 ug/mlm
20) T n-Hexatriacontane (C36)	20.612	2387250	21.841 ug/mlm
21) T n-Octatriacontane (C38)	21.392	2349090	21.737 ug/mlm
22) T n-Tetracontane (C40)	22.385	2330130	22.282 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082125AL\
Data File : FE055419.D
Signal(s) : FID1B.ch
Acq On : 21 Aug 2025 09:37
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

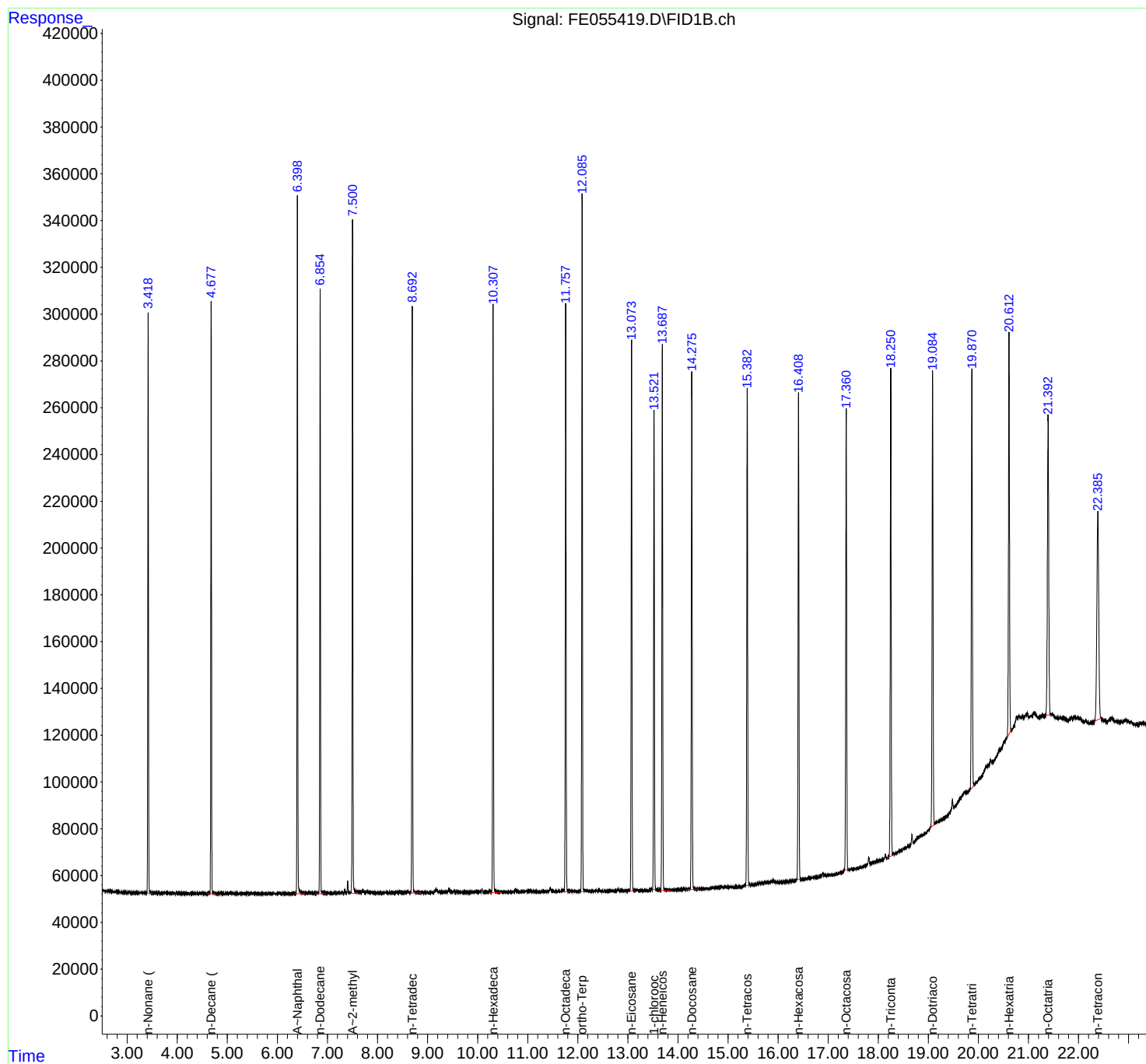
Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

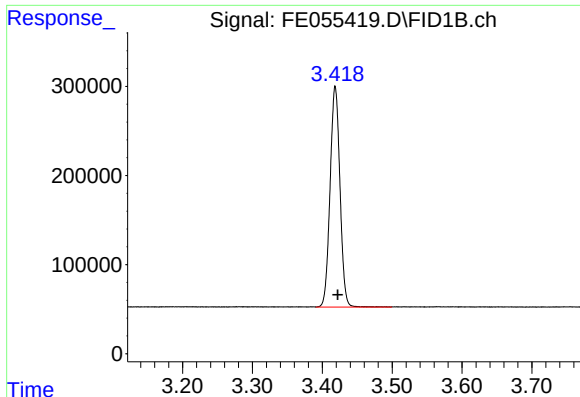
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/22/2025
Supervised By :mohammad ahmed 08/25/2025

Integration File: autoint1.e
Quant Time: Aug 22 01:15:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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





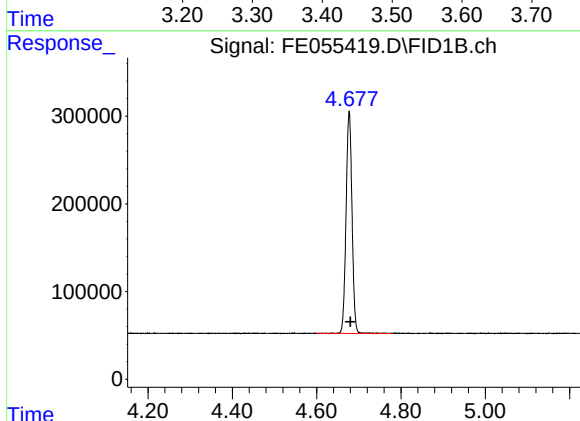
#1 n-Nonane (C9)

R.T.: 3.419 min
Delta R.T.: -0.003 min
Response: 2429995
Conc: 21.17 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

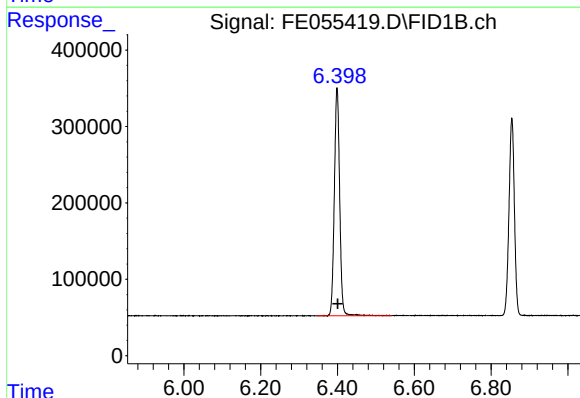
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/22/2025
Supervised By :mohammad ahmed 08/25/2025



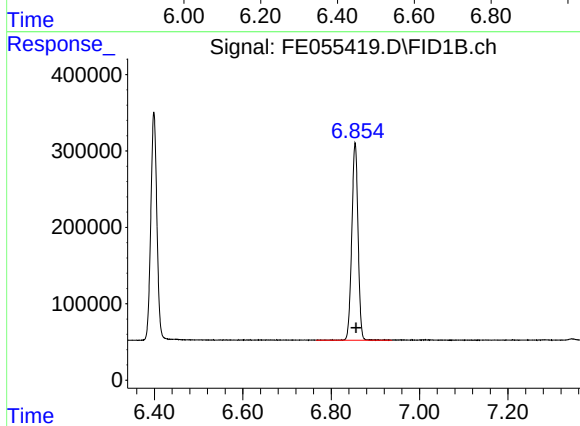
#2 n-Decane (C10)

R.T.: 4.677 min
Delta R.T.: -0.003 min
Response: 2482440
Conc: 21.31 ug/ml



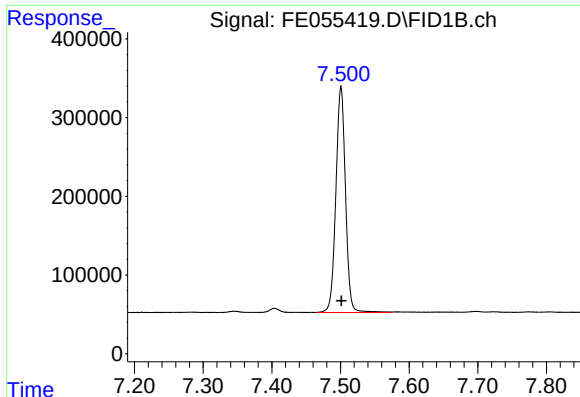
#3 A~Naphthalene (C11.7)

R.T.: 6.399 min
Delta R.T.: -0.002 min
Response: 2884816
Conc: 21.49 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.854 min
Delta R.T.: -0.002 min
Response: 2553283
Conc: 21.44 ug/ml



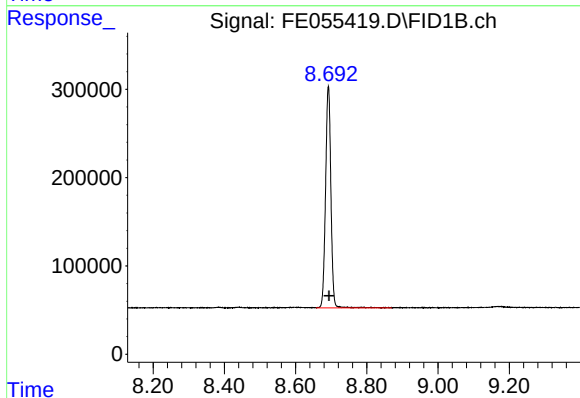
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.501 min
Delta R.T.: 0.000 min
Response: 2805279
Conc: 21.52 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

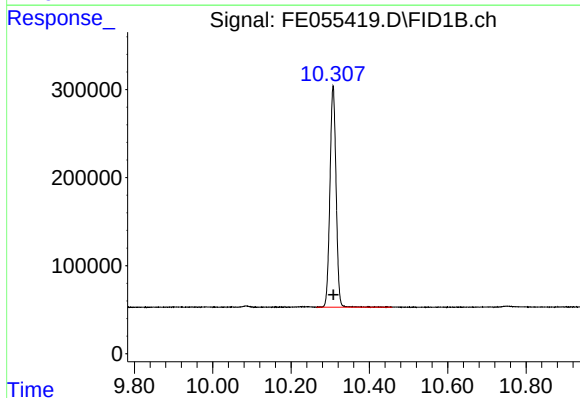
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/22/2025
Supervised By :mohammad ahmed 08/25/2025



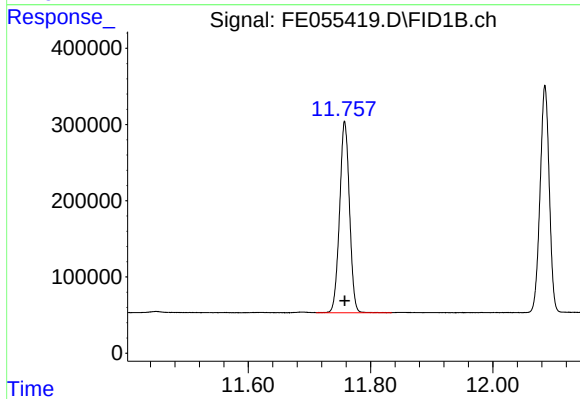
#6 n-Tetradecane (C14)

R.T.: 8.692 min
Delta R.T.: -0.002 min
Response: 2605866
Conc: 21.25 ug/ml



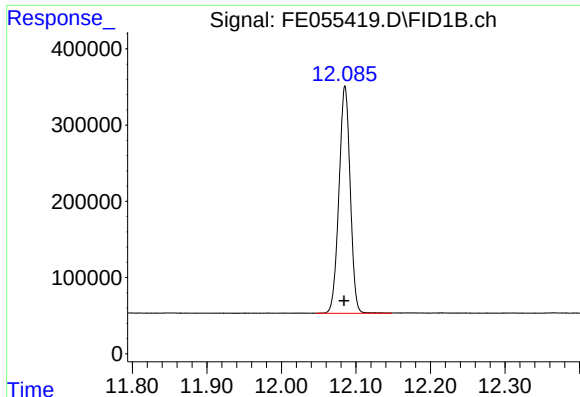
#7 n-Hexadecane (C16)

R.T.: 10.307 min
Delta R.T.: 0.000 min
Response: 2738785
Conc: 21.42 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.758 min
Delta R.T.: 0.000 min
Response: 2822345
Conc: 21.63 ug/ml



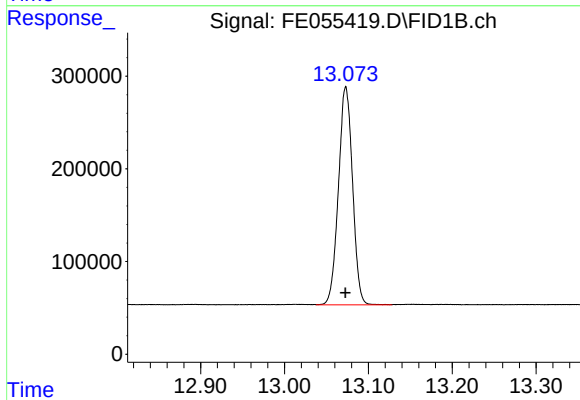
#9 ortho-Terphenyl (SURR)

R.T.: 12.085 min
Delta R.T.: 0.001 min
Response: 3120322
Conc: 21.85 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

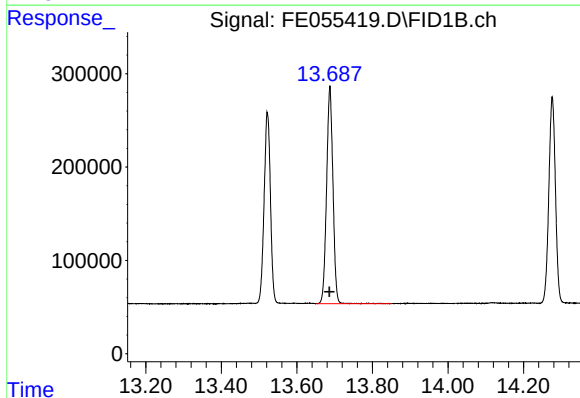
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/22/2025
Supervised By :mohammad ahmed 08/25/2025



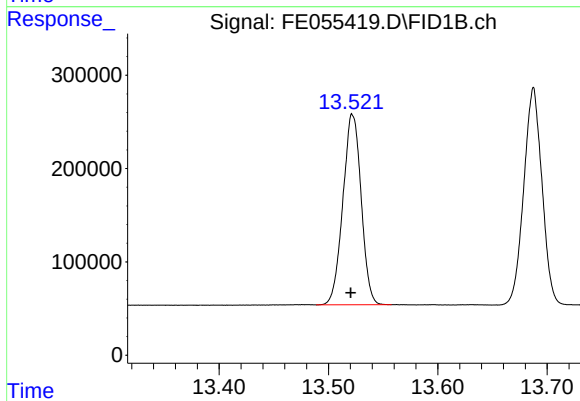
#10 n-Eicosane (C20)

R.T.: 13.073 min
Delta R.T.: 0.000 min
Response: 2749754
Conc: 21.92 ug/ml



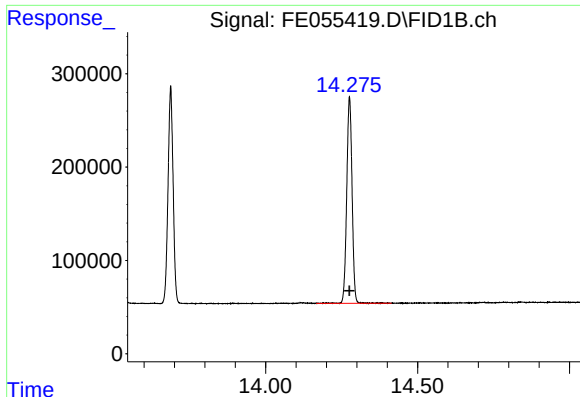
#11 n-Heneicosane (C21)

R.T.: 13.687 min
Delta R.T.: 0.001 min
Response: 2717109
Conc: 22.04 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.521 min
Delta R.T.: 0.000 min
Response: 2370175
Conc: 22.04 ug/ml m



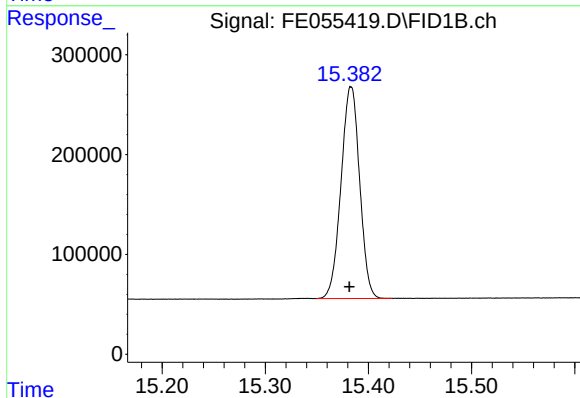
#13 n-Docosane (C22)

R.T.: 14.276 min
Delta R.T.: 0.001 min
Response: 2701805
Conc: 22.12 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

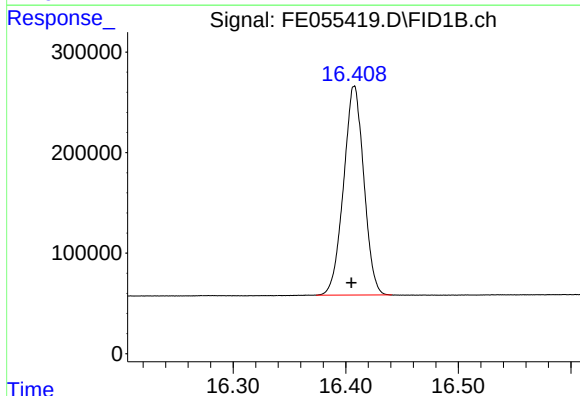
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/22/2025
Supervised By :mohammad ahmed 08/25/2025



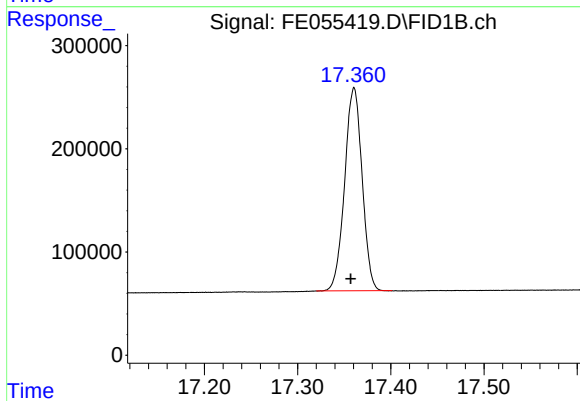
#14 n-Tetracosane (C24)

R.T.: 15.382 min
Delta R.T.: 0.000 min
Response: 2660623
Conc: 21.87 ug/ml m



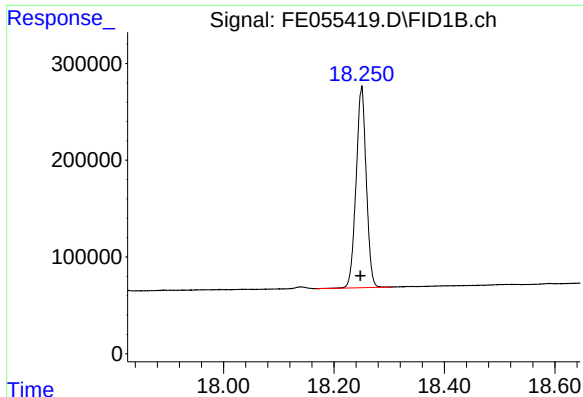
#15 n-Hexacosane (C26)

R.T.: 16.408 min
Delta R.T.: 0.003 min
Response: 2597742
Conc: 21.71 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.360 min
Delta R.T.: 0.003 min
Response: 2561234
Conc: 21.59 ug/ml m



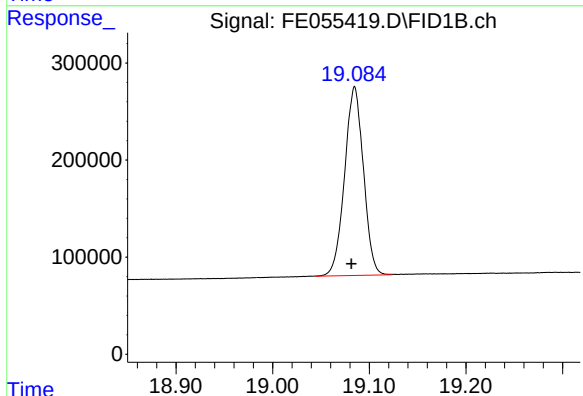
#17 n-Tricontane (C30)

R.T.: 18.250 min
Delta R.T.: 0.002 min
Response: 2657827
Conc: 21.60 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

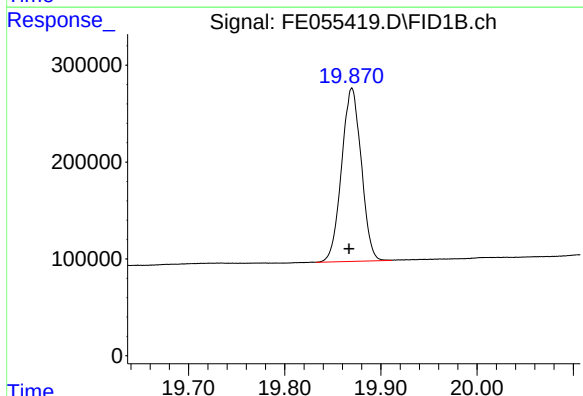
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/22/2025
Supervised By :mohammad ahmed 08/25/2025



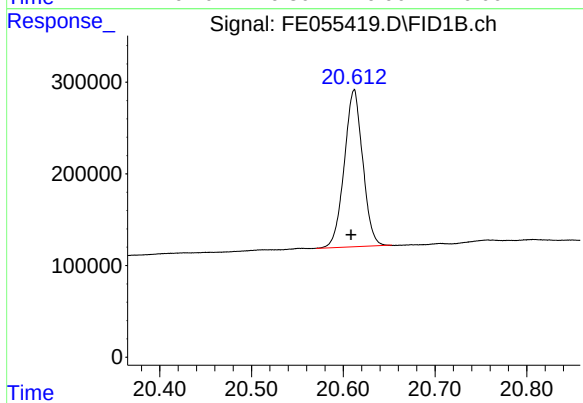
#18 n-Dotriacontane (C32)

R.T.: 19.084 min
Delta R.T.: 0.003 min
Response: 2629872
Conc: 21.55 ug/ml m



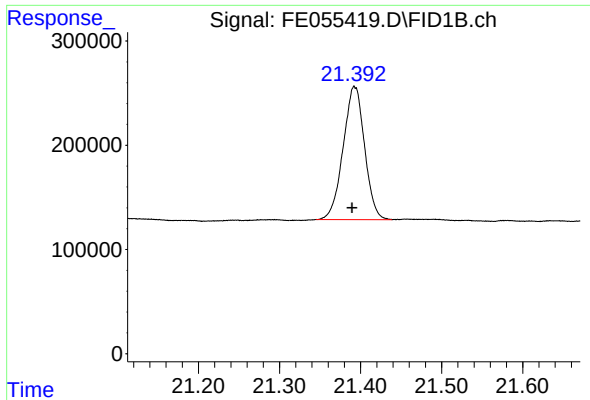
#19 n-Tetratriacontane (C34)

R.T.: 19.870 min
Delta R.T.: 0.003 min
Response: 2531211
Conc: 21.65 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.612 min
Delta R.T.: 0.004 min
Response: 2387250
Conc: 21.84 ug/ml m



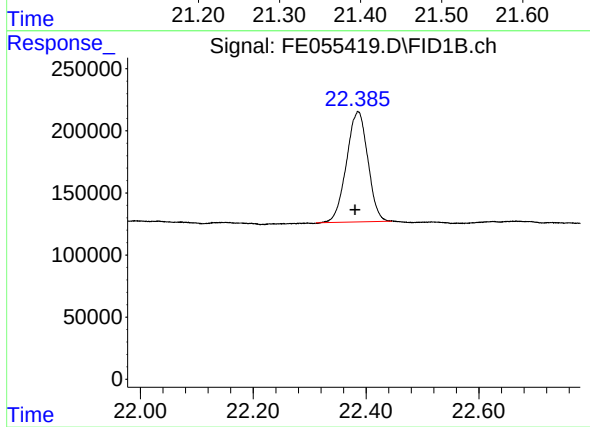
#21 n-Octatriacontane (C38)

R.T.: 21.392 min
Delta R.T.: 0.002 min
Response: 2349090
Conc: 21.74 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/22/2025
Supervised By :mohammad ahmed 08/25/2025



#22 n-Tetracontane (C40)

R.T.: 22.385 min
Delta R.T.: 0.004 min
Response: 2330130
Conc: 22.28 ug/ml m