

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE050925AL\
 Data File : FE053762.D
 Signal(s) : FID1B.ch
 Acq On : 09 May 2025 23:04
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/12/2025
 Supervised By :mohammad ahmed 05/14/2025

Integration File: autoint1.e
 Quant Time: May 10 01:25:31 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 29 06:49:03 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)	11.854	3335684	18.494 ug/ml
Spiked Amount 50.000		Recovery =	36.99%
12) S 1-chlorooctadecane (S...	13.299	2470753	18.278 ug/ml
Spiked Amount 50.000		Recovery =	36.56%
Target Compounds			
1) T n-Nonane (C9)	3.204	2753884	20.086 ug/ml
2) T n-Decane (C10)	4.465	2791892	20.182 ug/ml
3) T A~Naphthalene (C11.7)	6.177	3024618	20.038 ug/ml
4) T n-Dodecane (C12)	6.646	2820392	20.110 ug/ml
5) T A~2-methylnaphthalene...	7.279	2906173	19.465 ug/ml
6) T n-Tetradecane (C14)	8.481	2789324	19.883 ug/ml
7) T n-Hexadecane (C16)	10.093	2787364	19.448 ug/ml
8) T n-Octadecane (C18)	11.540	2774095	19.035 ug/ml
10) T n-Eicosane (C20)	12.854	2702642	18.573 ug/ml
11) T n-Heneicosane (C21)	13.467	2663456	18.388 ug/ml
13) T n-Docosane (C22)	14.055	2635032	18.260 ug/ml
14) T n-Tetracosane (C24)	15.161	2587778	18.016 ug/ml
15) T n-Hexacosane (C26)	16.183	2545391	17.972 ug/ml
16) T n-Octacosane (C28)	17.134	2558422	18.389 ug/ml
17) T n-Tricontane (C30)	18.023	2684698	19.287 ug/mlm
18) T n-Dotriacontane (C32)	18.857	2739650	19.953 ug/ml
19) T n-Tetratriacontane (C34)	19.642	2651920	20.353 ug/ml
20) T n-Hexatriacontane (C36)	20.382	2614570	20.710 ug/mlm
21) T n-Octatriacontane (C38)	21.116	2551905	20.946 ug/mlm
22) T n-Tetracontane (C40)	22.012	2500305	20.937 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE050925AL\
Data File : FE053762.D
Signal(s) : FID1B.ch
Acq On : 09 May 2025 23:04
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

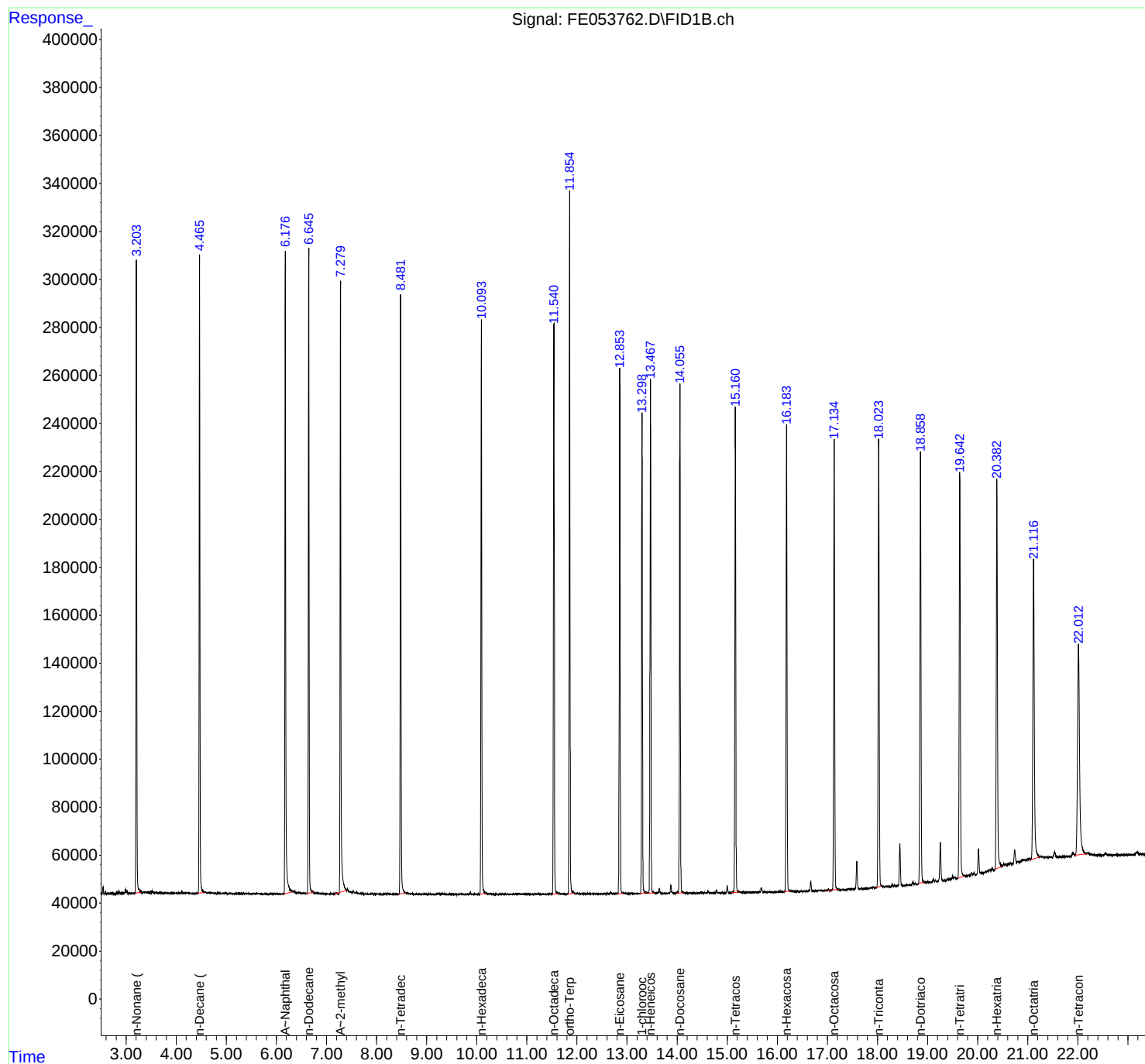
Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

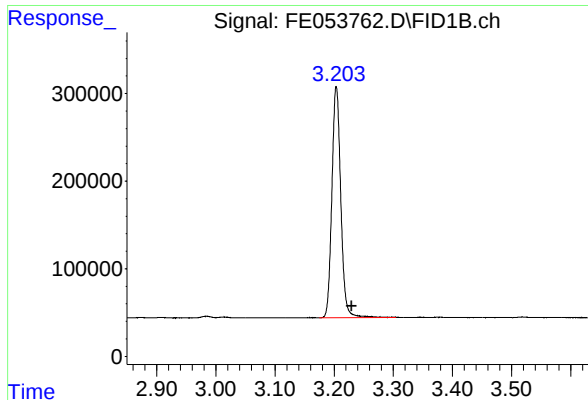
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/12/2025
Supervised By :mohammad ahmed 05/14/2025

Integration File: autoint1.e
Quant Time: May 10 01:25:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.
Quant Title : GC Extractables
QLast Update : Tue Apr 29 06:49:03 2025
Response via : Initial Calibration
Integrator: ChemStation

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





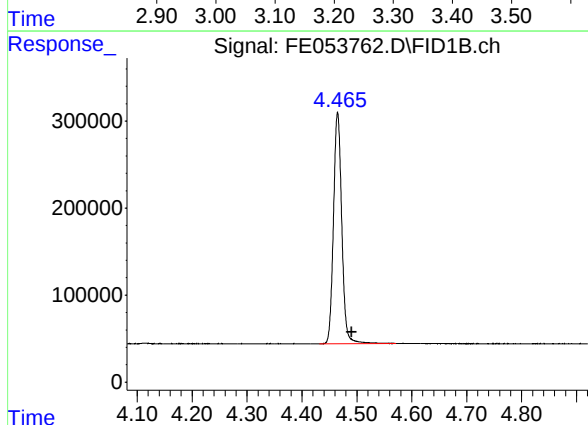
#1 n-Nonane (C9)

R.T.: 3.204 min
Delta R.T.: -0.026 min
Response: 2753884
Conc: 20.09 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

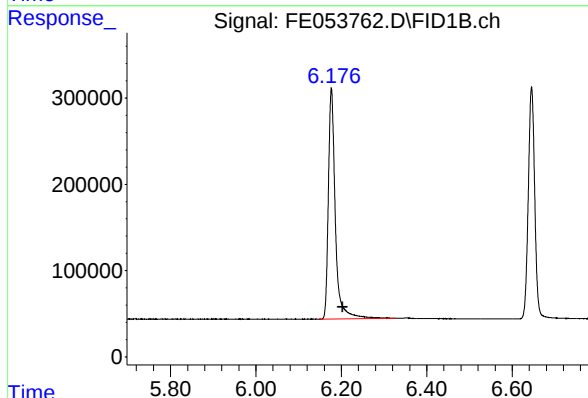
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/12/2025
Supervised By :mohammad ahmed 05/14/2025



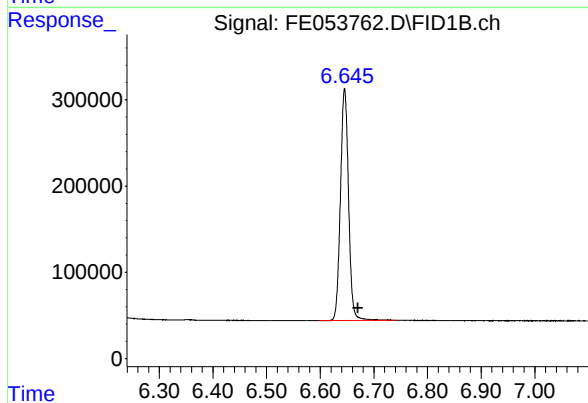
#2 n-Decane (C10)

R.T.: 4.465 min
Delta R.T.: -0.026 min
Response: 2791892
Conc: 20.18 ug/ml



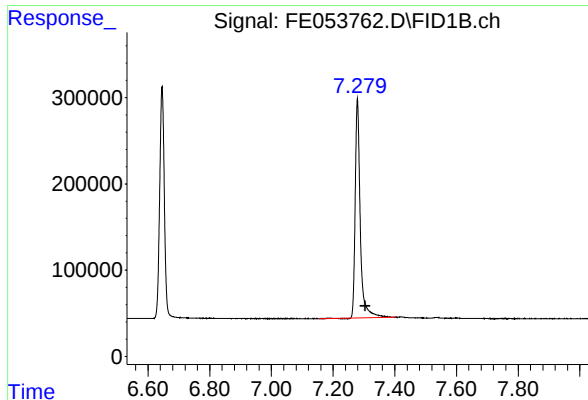
#3 A~Naphthalene (C11.7)

R.T.: 6.177 min
Delta R.T.: -0.026 min
Response: 3024618
Conc: 20.04 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.646 min
Delta R.T.: -0.025 min
Response: 2820392
Conc: 20.11 ug/ml



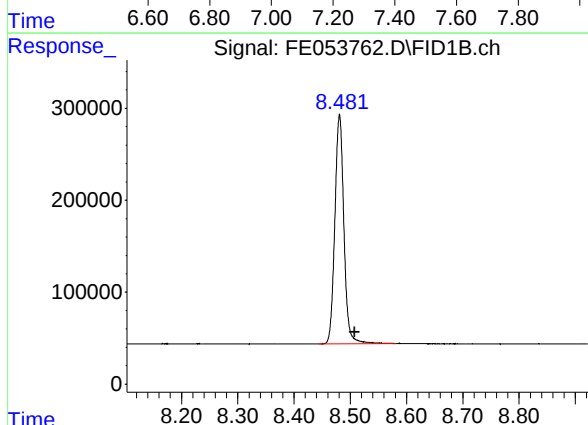
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.279 min
Delta R.T.: -0.027 min
Response: 2906173
Conc: 19.46 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

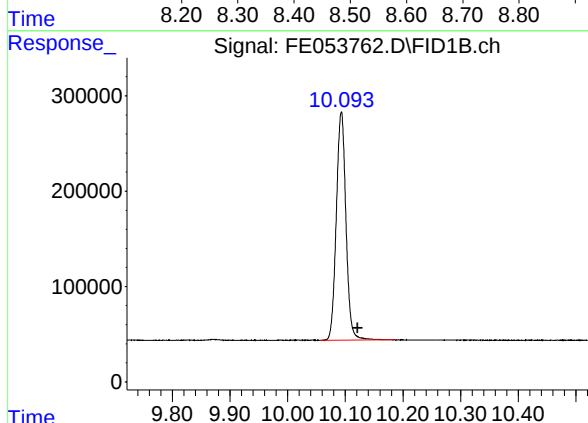
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/12/2025
Supervised By :mohammad ahmed 05/14/2025



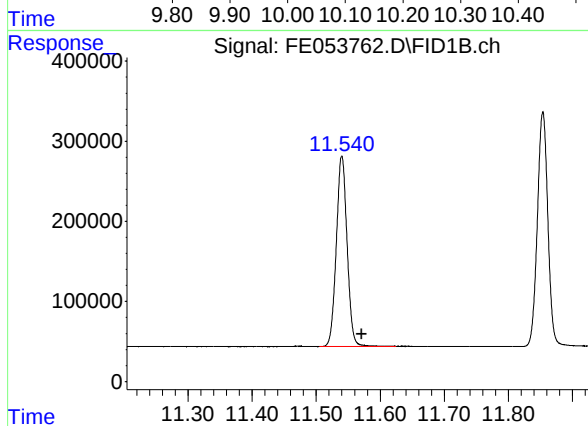
#6 n-Tetradecane (C14)

R.T.: 8.481 min
Delta R.T.: -0.027 min
Response: 2789324
Conc: 19.88 ug/ml



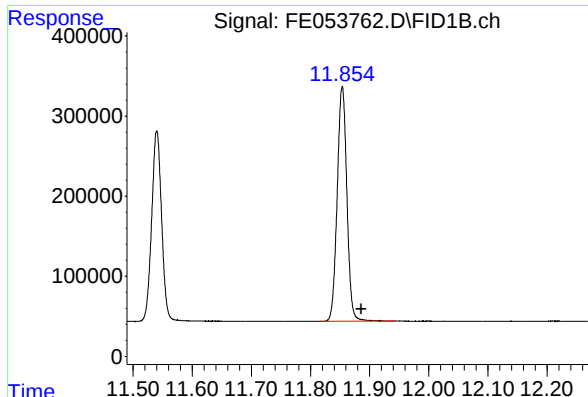
#7 n-Hexadecane (C16)

R.T.: 10.093 min
Delta R.T.: -0.028 min
Response: 2787364
Conc: 19.45 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.540 min
Delta R.T.: -0.031 min
Response: 2774095
Conc: 19.04 ug/ml



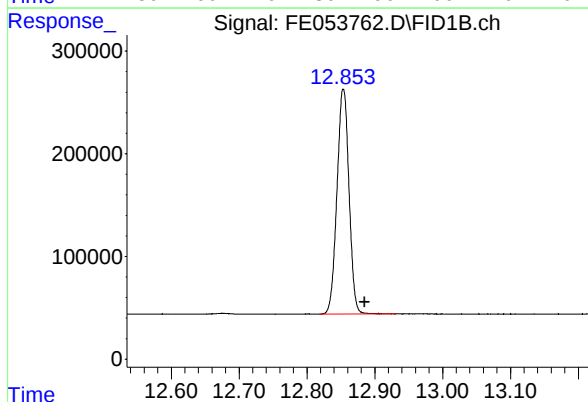
#9 ortho-Terphenyl (SURR)

R.T.: 11.854 min
Delta R.T.: -0.032 min
Response: 3335684
Conc: 18.49 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

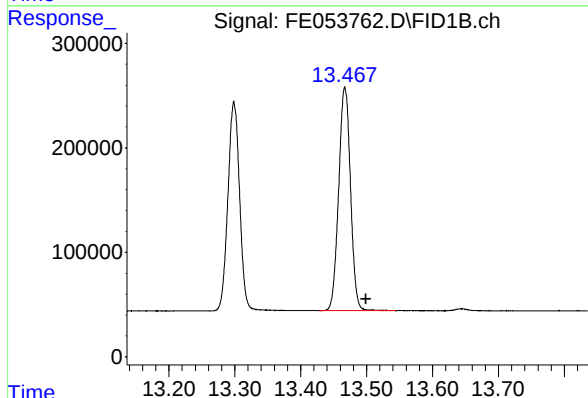
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/12/2025
Supervised By :mohammad ahmed 05/14/2025



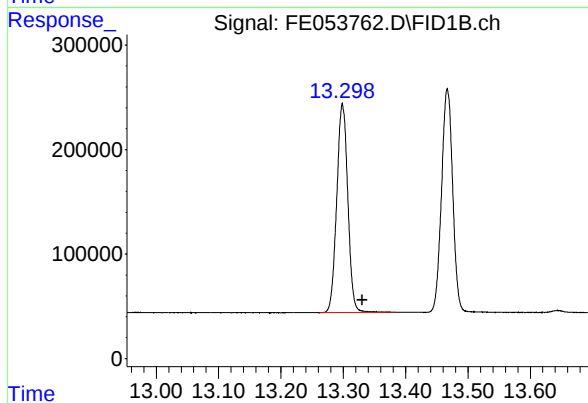
#10 n-Eicosane (C20)

R.T.: 12.854 min
Delta R.T.: -0.031 min
Response: 2702642
Conc: 18.57 ug/ml



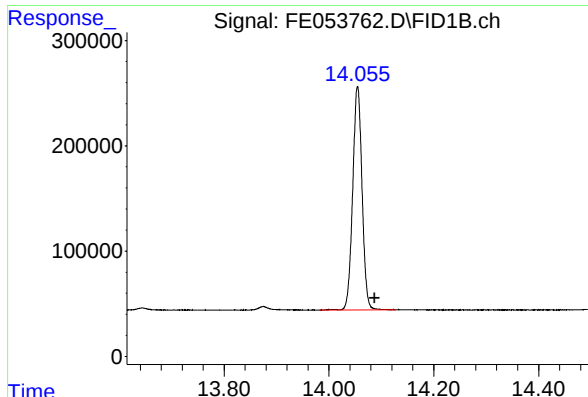
#11 n-Heneicosane (C21)

R.T.: 13.467 min
Delta R.T.: -0.032 min
Response: 2663456
Conc: 18.39 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.299 min
Delta R.T.: -0.032 min
Response: 2470753
Conc: 18.28 ug/ml



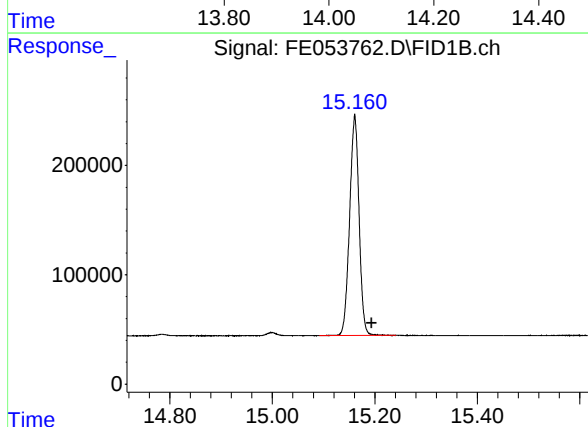
#13 n-Docosane (C22)

R.T.: 14.055 min
Delta R.T.: -0.033 min
Response: 2635032
Conc: 18.26 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

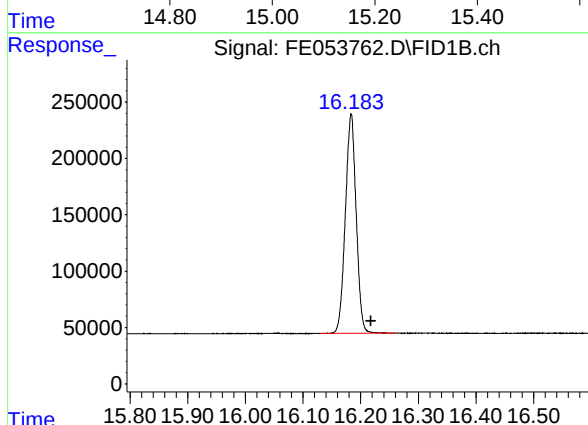
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/12/2025
Supervised By :mohammad ahmed 05/14/2025



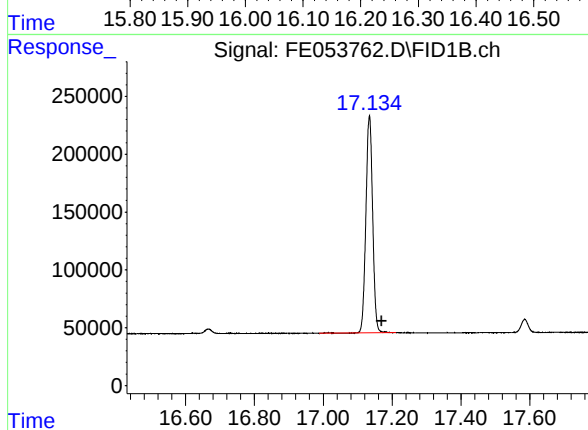
#14 n-Tetracosane (C24)

R.T.: 15.161 min
Delta R.T.: -0.033 min
Response: 2587778
Conc: 18.02 ug/ml



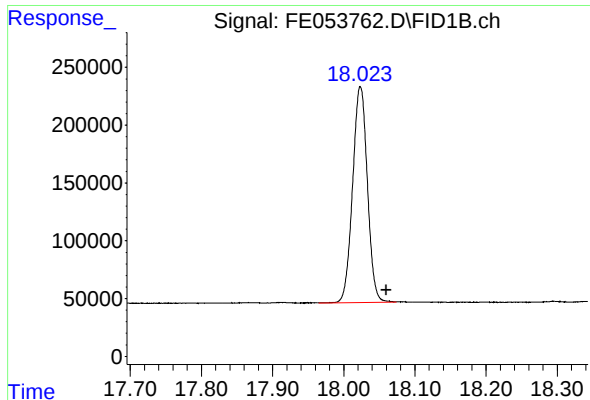
#15 n-Hexacosane (C26)

R.T.: 16.183 min
Delta R.T.: -0.034 min
Response: 2545391
Conc: 17.97 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.134 min
Delta R.T.: -0.036 min
Response: 2558422
Conc: 18.39 ug/ml



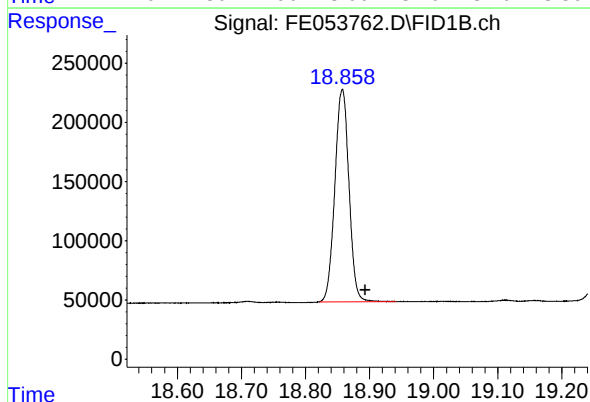
#17 n-Tricontane (C30)

R.T.: 18.023 min
Delta R.T.: -0.037 min
Response: 2684698
Conc: 19.29 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

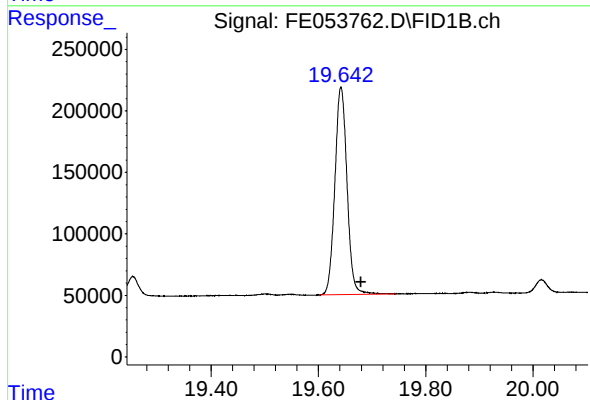
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/12/2025
Supervised By :mohammad ahmed 05/14/2025



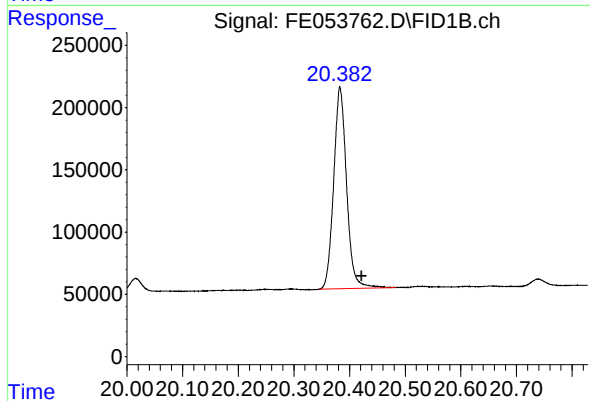
#18 n-Dotriacontane (C32)

R.T.: 18.857 min
Delta R.T.: -0.036 min
Response: 2739650
Conc: 19.95 ug/ml



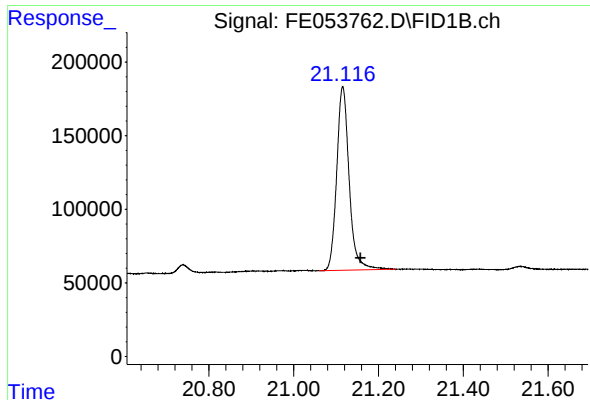
#19 n-Tetatriacontane (C34)

R.T.: 19.642 min
Delta R.T.: -0.037 min
Response: 2651920
Conc: 20.35 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.382 min
Delta R.T.: -0.040 min
Response: 2614570
Conc: 20.71 ug/ml m



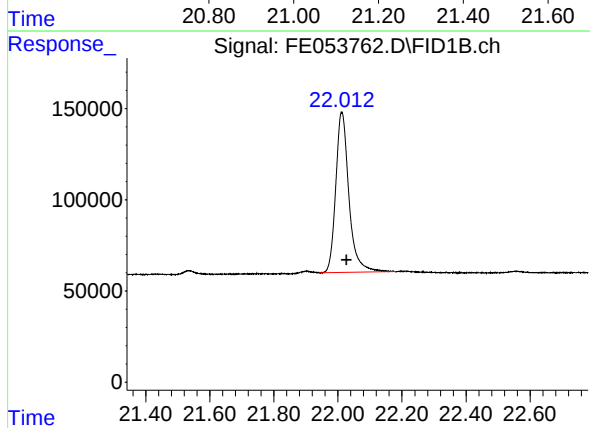
#21 n-Octatriacontane (C38)

R.T.: 21.116 min
Delta R.T.: -0.043 min
Response: 2551905
Conc: 20.95 ug/ml

Instrument : FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/12/2025
Supervised By :mohammad ahmed 05/14/2025



#22 n-Tetracontane (C40)

R.T.: 22.012 min
Delta R.T.: -0.015 min
Response: 2500305
Conc: 20.94 ug/ml