

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE050725AL\
 Data File : FE053690.D
 Signal(s) : FID1B.ch
 Acq On : 07 May 2025 12:54
 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 05/08/2025
 Supervised By :mohammad ahmed 05/09/2025

Integration File: autoint1.e
 Quant Time: May 08 01:54:48 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)	11.864	3544626	19.653 ug/ml
Spiked Amount 50.000		Recovery =	39.31%
12) S 1-chlorooctadecane (S...	13.309	2627116	19.435 ug/ml
Spiked Amount 50.000		Recovery =	38.87%
Target Compounds			
1) T n-Nonane (C9)	3.208	2807325	20.476 ug/ml
2) T n-Decane (C10)	4.471	2851363	20.612 ug/ml
3) T A~Naphthalene (C11.7)	6.184	3133209	20.757 ug/ml
4) T n-Dodecane (C12)	6.652	2909712	20.747 ug/ml
5) T A~2-methylnaphthalene...	7.287	3082859	20.648 ug/ml
6) T n-Tetradecane (C14)	8.488	2894676	20.634 ug/ml
7) T n-Hexadecane (C16)	10.101	2910639	20.308 ug/ml
8) T n-Octadecane (C18)	11.549	2920595	20.041 ug/ml
10) T n-Eicosane (C20)	12.863	2866433	19.699 ug/ml
11) T n-Heneicosane (C21)	13.477	2835618	19.577 ug/ml
13) T n-Docosane (C22)	14.065	2798680	19.394 ug/ml
14) T n-Tetracosane (C24)	15.170	2749290	19.140 ug/ml
15) T n-Hexacosane (C26)	16.193	2692439	19.010 ug/ml
16) T n-Octacosane (C28)	17.145	2660914	19.126 ug/ml
17) T n-Tricontane (C30)	18.035	2707119	19.448 ug/ml
18) T n-Dotriacontane (C32)	18.869	2742623	19.974 ug/ml
19) T n-Tetratriacontane (C34)	19.655	2643686	20.290 ug/ml
20) T n-Hexatriacontane (C36)	20.397	2629874	20.831 ug/ml
21) T n-Octatriacontane (C38)	21.130	2690599	22.085 ug/ml
22) T n-Tetracontane (C40)	22.032	2483952	20.800 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE050725AL\
Data File : FE053690.D
Signal(s) : FID1B.ch
Acq On : 07 May 2025 12:54
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

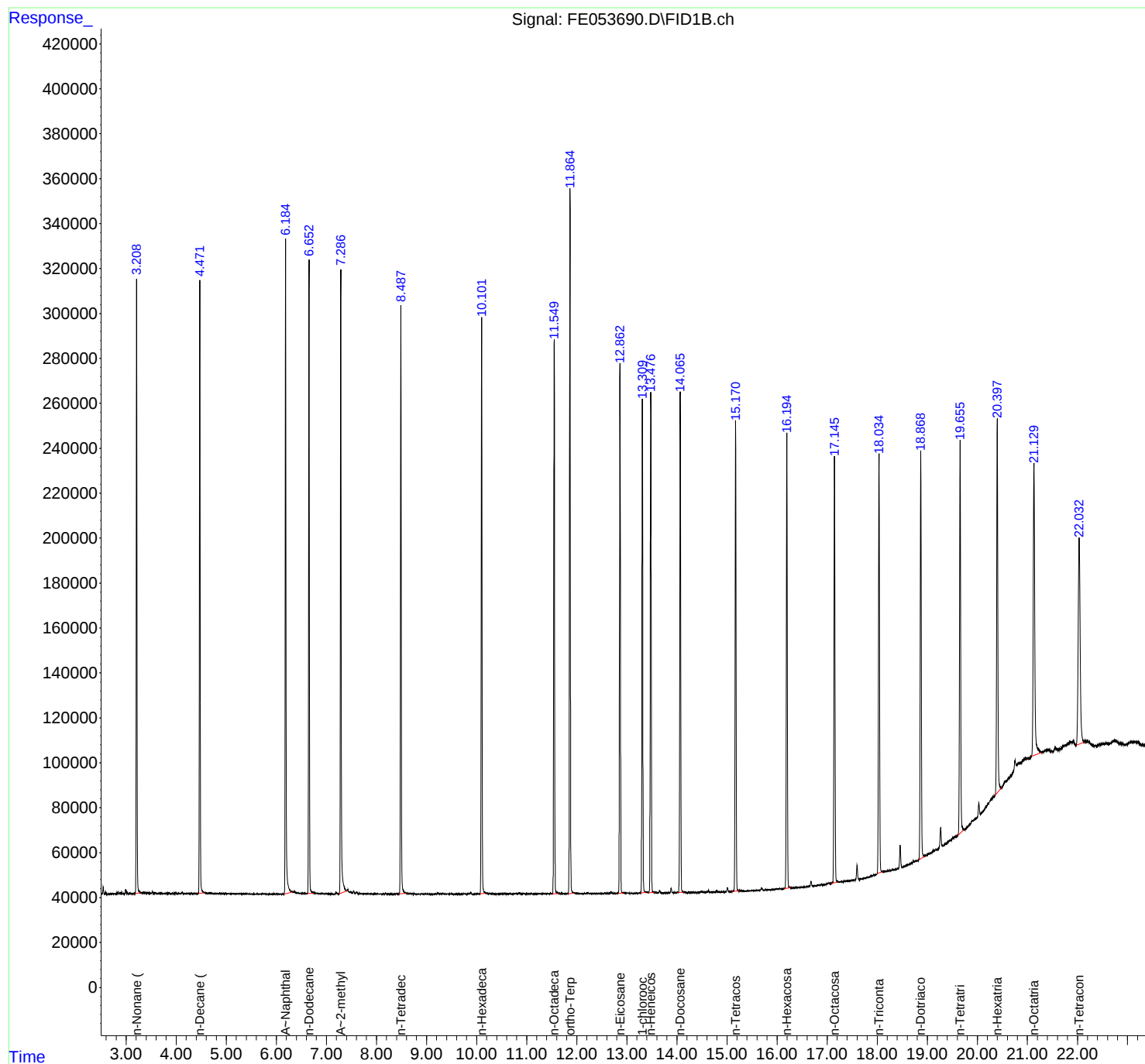
Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

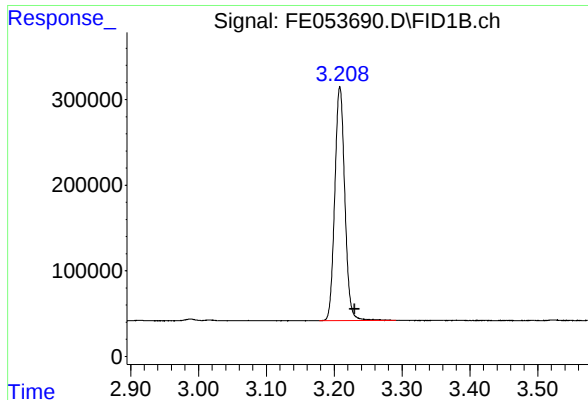
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/08/2025
Supervised By :mohammad ahmed 05/09/2025

Integration File: autoint1.e
Quant Time: May 08 01:54:48 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





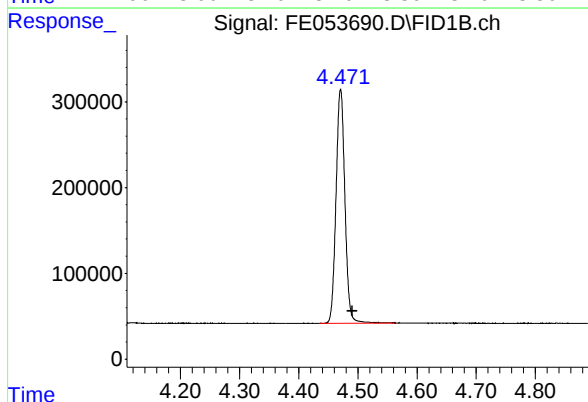
#1 n-Nonane (C9)

R.T.: 3.208 min
Delta R.T.: -0.022 min
Response: 2807325
Conc: 20.48 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

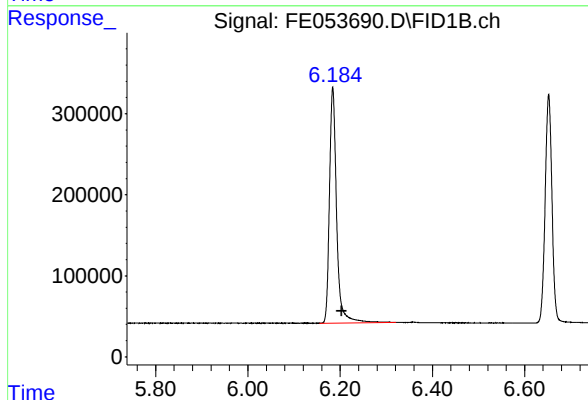
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/08/2025
Supervised By :mohammad ahmed 05/09/2025



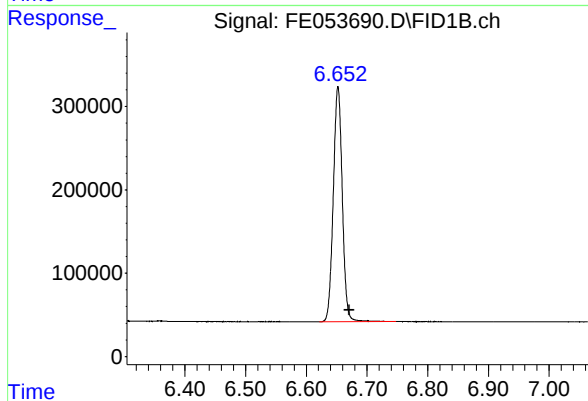
#2 n-Decane (C10)

R.T.: 4.471 min
Delta R.T.: -0.020 min
Response: 2851363
Conc: 20.61 ug/ml



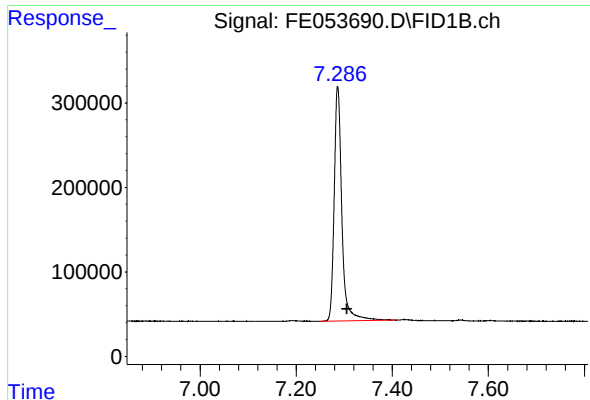
#3 A~Naphthalene (C11.7)

R.T.: 6.184 min
Delta R.T.: -0.019 min
Response: 3133209
Conc: 20.76 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.652 min
Delta R.T.: -0.019 min
Response: 2909712
Conc: 20.75 ug/ml



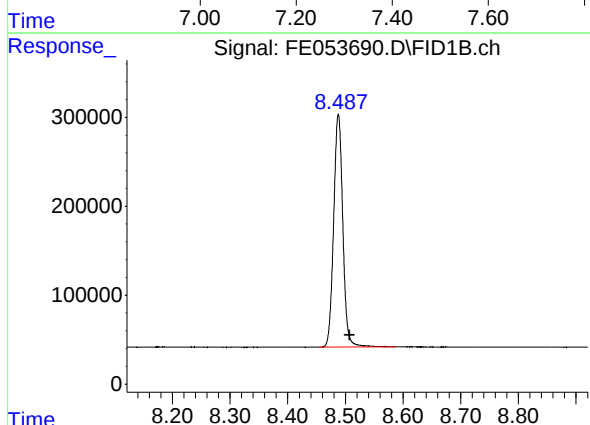
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.287 min
Delta R.T.: -0.019 min
Response: 3082859
Conc: 20.65 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

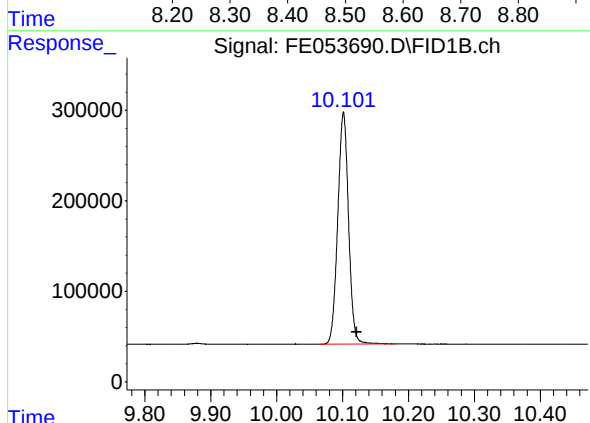
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/08/2025
Supervised By :mohammad ahmed 05/09/2025



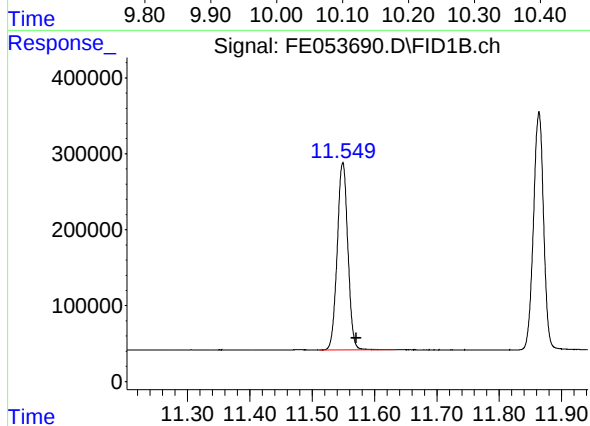
#6 n-Tetradecane (C14)

R.T.: 8.488 min
Delta R.T.: -0.020 min
Response: 2894676
Conc: 20.63 ug/ml



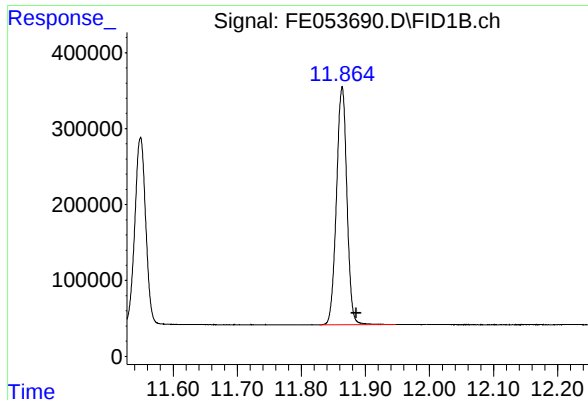
#7 n-Hexadecane (C16)

R.T.: 10.101 min
Delta R.T.: -0.020 min
Response: 2910639
Conc: 20.31 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.549 min
Delta R.T.: -0.022 min
Response: 2920595
Conc: 20.04 ug/ml



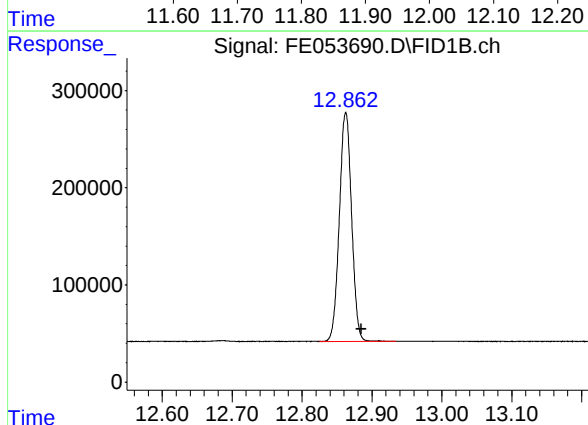
#9 ortho-Terphenyl (SURR)

R.T.: 11.864 min
Delta R.T.: -0.022 min
Response: 3544626
Conc: 19.65 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

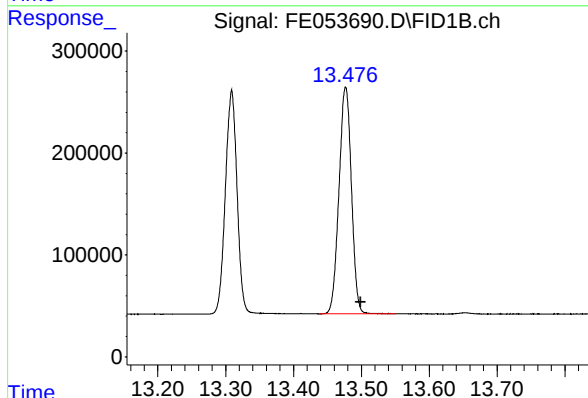
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/08/2025
Supervised By :mohammad ahmed 05/09/2025



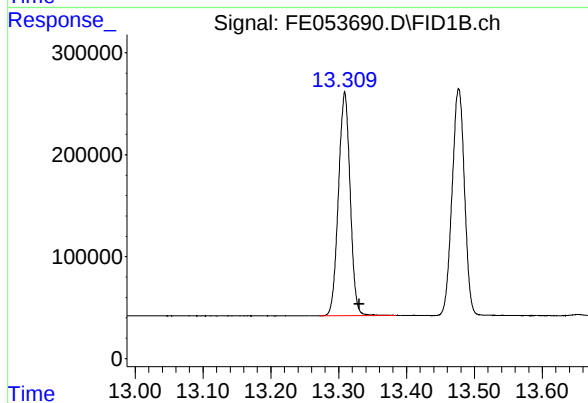
#10 n-Eicosane (C20)

R.T.: 12.863 min
Delta R.T.: -0.022 min
Response: 2866433
Conc: 19.70 ug/ml



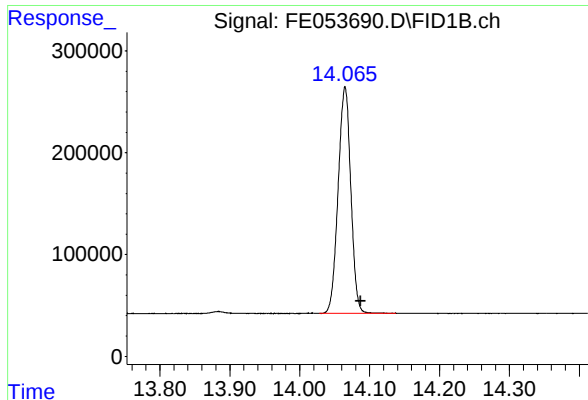
#11 n-Heneicosane (C21)

R.T.: 13.477 min
Delta R.T.: -0.022 min
Response: 2835618
Conc: 19.58 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.309 min
Delta R.T.: -0.022 min
Response: 2627116
Conc: 19.43 ug/ml



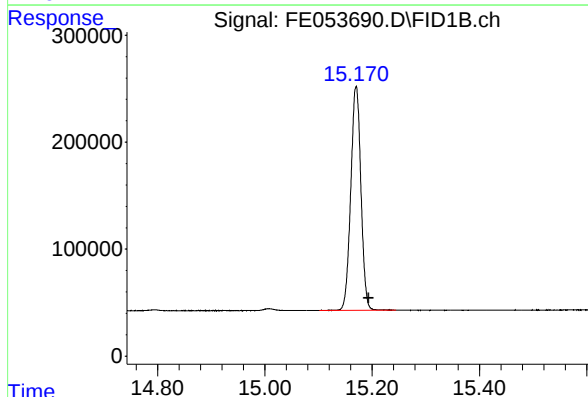
#13 n-Docosane (C22)

R.T.: 14.065 min
Delta R.T.: -0.023 min
Response: 2798680
Conc: 19.39 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

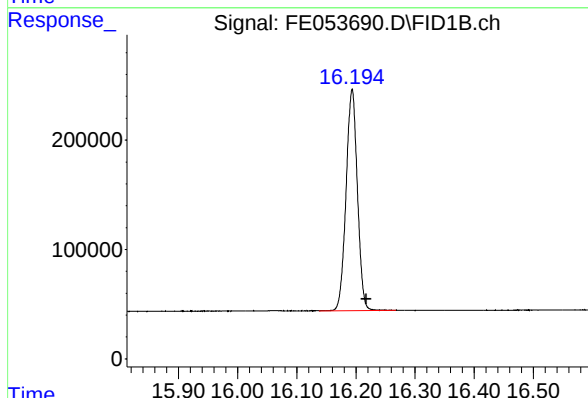
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/08/2025
Supervised By :mohammad ahmed 05/09/2025



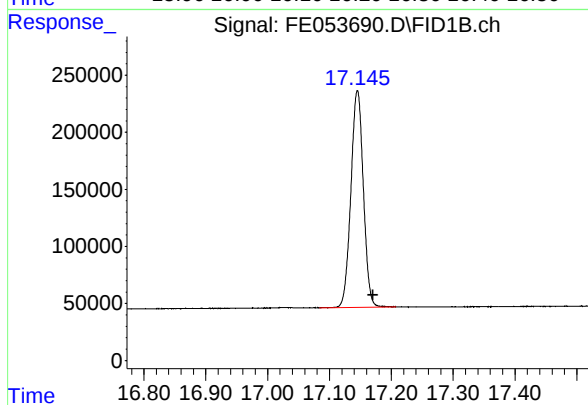
#14 n-Tetracosane (C24)

R.T.: 15.170 min
Delta R.T.: -0.024 min
Response: 2749290
Conc: 19.14 ug/ml



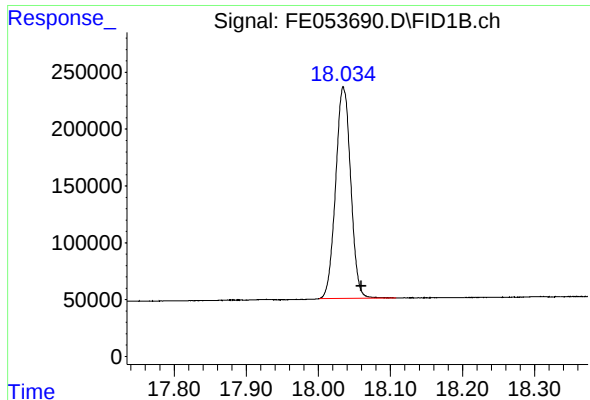
#15 n-Hexacosane (C26)

R.T.: 16.193 min
Delta R.T.: -0.024 min
Response: 2692439
Conc: 19.01 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.145 min
Delta R.T.: -0.025 min
Response: 2660914
Conc: 19.13 ug/ml m



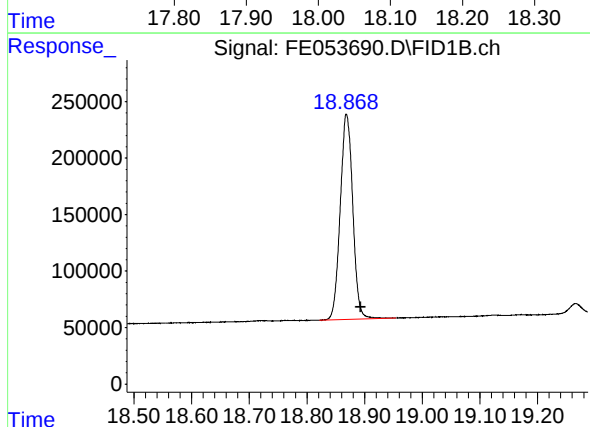
#17 n-Tricontane (C30)

R.T.: 18.035 min
Delta R.T.: -0.025 min
Response: 2707119
Conc: 19.45 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

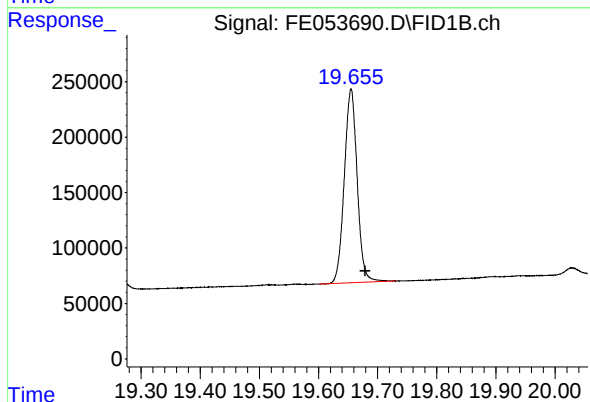
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/08/2025
Supervised By :mohammad ahmed 05/09/2025



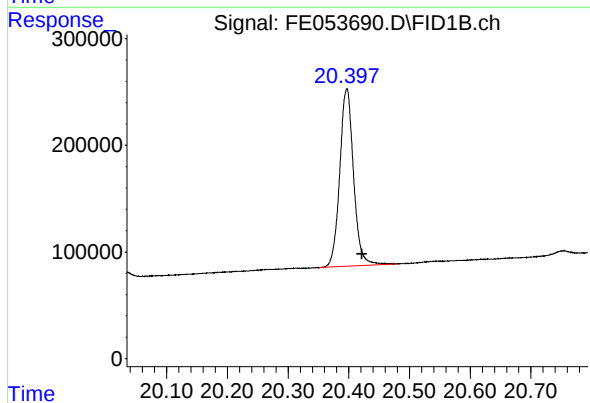
#18 n-Dotriacontane (C32)

R.T.: 18.869 min
Delta R.T.: -0.024 min
Response: 2742623
Conc: 19.97 ug/ml



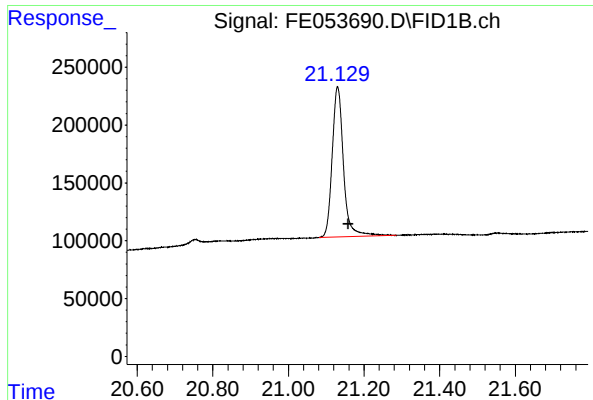
#19 n-Tetratriacontane (C34)

R.T.: 19.655 min
Delta R.T.: -0.025 min
Response: 2643686
Conc: 20.29 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.397 min
Delta R.T.: -0.025 min
Response: 2629874
Conc: 20.83 ug/ml



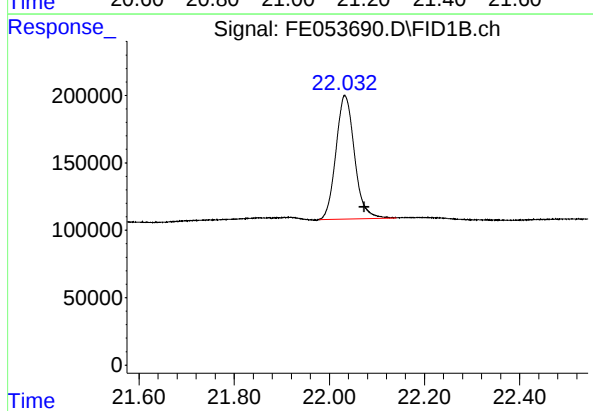
#21 n-Octatriacontane (C38)

R.T.: 21.130 min
Delta R.T.: -0.028 min
Response: 2690599
Conc: 22.08 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/08/2025
Supervised By :mohammad ahmed 05/09/2025



#22 n-Tetracontane (C40)

R.T.: 22.032 min
Delta R.T.: -0.041 min
Response: 2483952
Conc: 20.80 ug/ml m