

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032725AL\
 Data File : FE053032.D
 Signal(s) : FID1B.ch
 Acq On : 27 Mar 2025 22:54
 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 03/28/2025
 Supervised By :mohammad ahmed 03/31/2025

Integration File: autoint1.e
 Quant Time: Mar 28 01:22:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 030325.M
 Quant Title : GC Extractables
 QLast Update : Mon Mar 03 13:39:39 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)	11.897	3234222	19.184 ug/ml
Spiked Amount 50.000		Recovery =	38.37%
12) S 1-chlorooctadecane (S...	13.341	2416806	19.903 ug/ml
Spiked Amount 50.000		Recovery =	39.81%
Target Compounds			
1) T n-Nonane (C9)	3.242	3125842	20.160 ug/ml
2) T n-Decane (C10)	4.503	3189315	20.302 ug/ml
3) T A~Naphthalene (C11.7)	6.215	3403250	20.067 ug/ml
4) T n-Dodecane (C12)	6.683	3168931	20.353 ug/ml
5) T A~2-methylnaphthalene...	7.317	3242249	20.007 ug/ml
6) T n-Tetradecane (C14)	8.518	3078889	20.348 ug/ml
7) T n-Hexadecane (C16)	10.132	3117468	20.391 ug/ml
8) T n-Octadecane (C18)	11.581	3069604	20.176 ug/ml
10) T n-Eicosane (C20)	12.895	2882606	19.856 ug/ml
11) T n-Heneicosane (C21)	13.509	2808020	19.729 ug/ml
13) T n-Docosane (C22)	14.097	2782404	19.552 ug/ml
14) T n-Tetracosane (C24)	15.203	2762863	19.306 ug/ml
15) T n-Hexacosane (C26)	16.226	2730202	19.201 ug/ml
16) T n-Octacosane (C28)	17.178	2727281	19.180 ug/ml
17) T n-Tricontane (C30)	18.068	2837660	19.212 ug/ml
18) T n-Dotriacontane (C32)	18.902	2841934	19.575 ug/mlm
19) T n-Tetratriacontane (C34)	19.686	2612980	19.387 ug/ml
20) T n-Hexatriacontane (C36)	20.428	2391078	20.123 ug/mlm
21) T n-Octatriacontane (C38)	21.167	2360186	21.275 ug/mlm
22) T n-Tetracontane (C40)	22.084	2301105	21.284 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032725AL\
Data File : FE053032.D
Signal(s) : FID1B.ch
Acq On : 27 Mar 2025 22:54
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

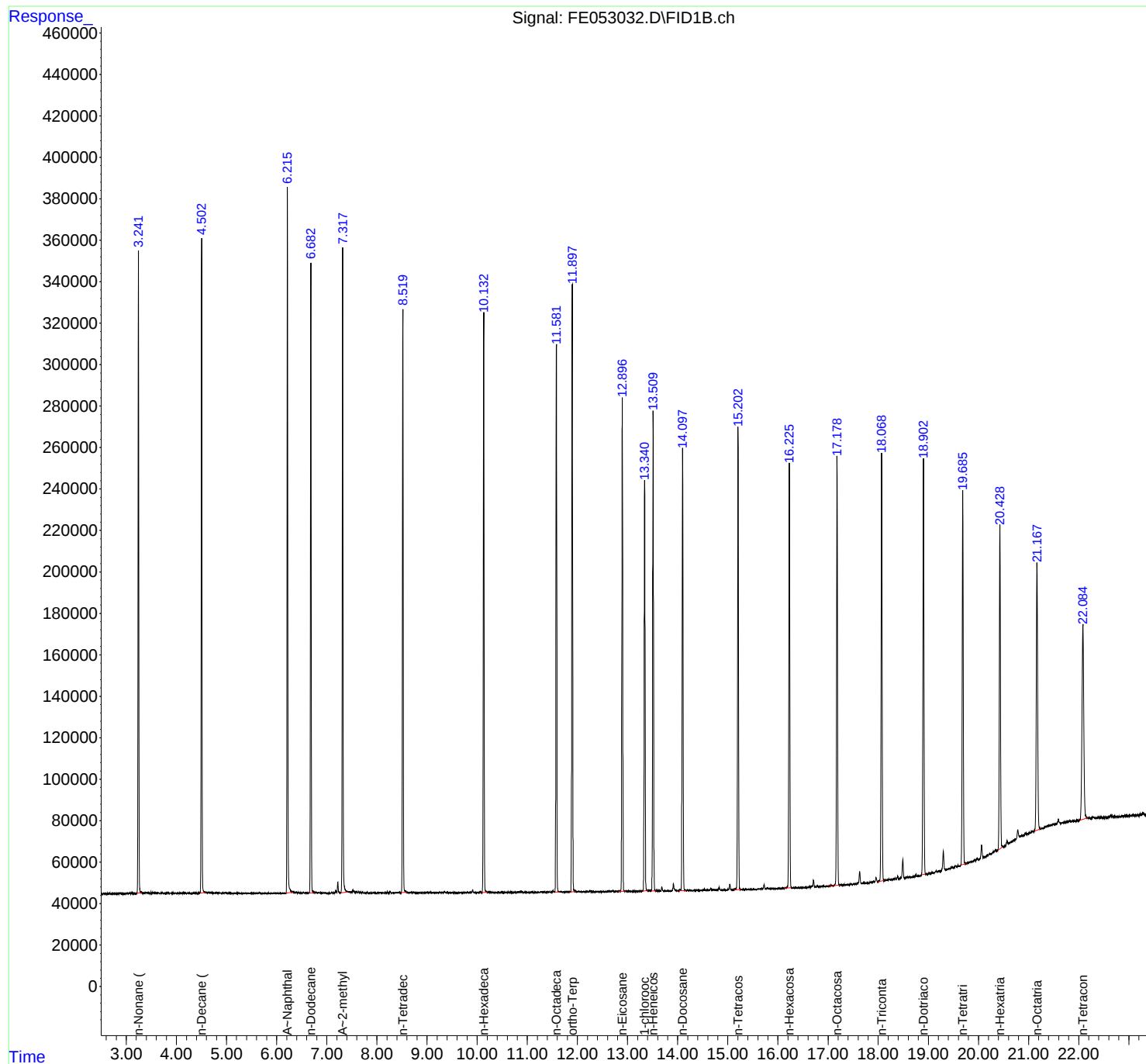
Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

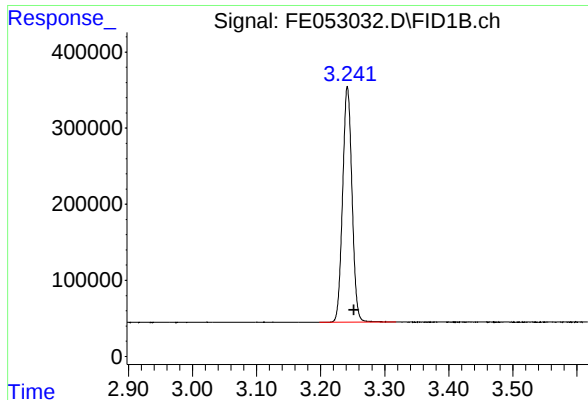
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File: autoint1.e
Quant Time: Mar 28 01:22:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 030325.
Quant Title : GC Extractables
QLast Update : Mon Mar 03 13:39:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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





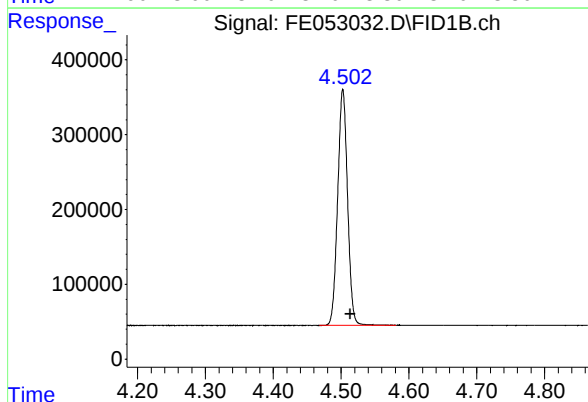
#1 n-Nonane (C9)

R.T.: 3.242 min
Delta R.T.: -0.010 min
Response: 3125842
Conc: 20.16 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

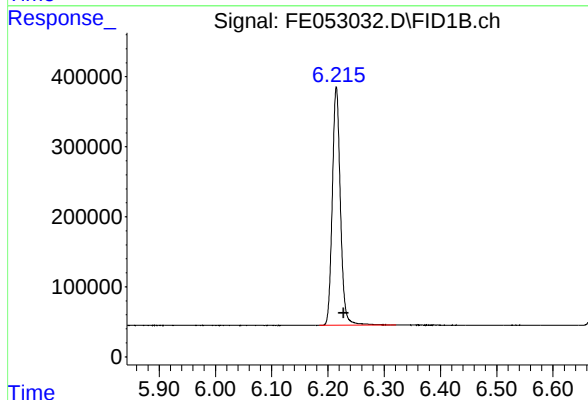
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



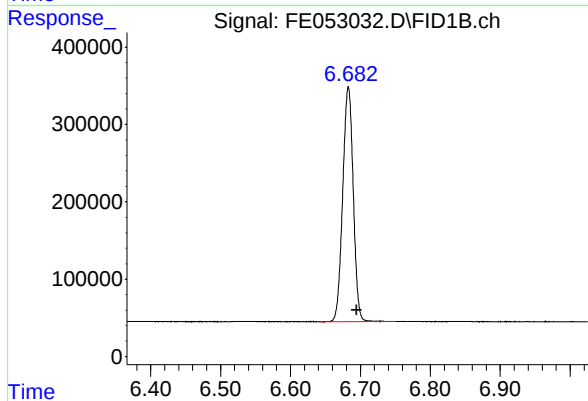
#2 n-Decane (C10)

R.T.: 4.503 min
Delta R.T.: -0.011 min
Response: 3189315
Conc: 20.30 ug/ml



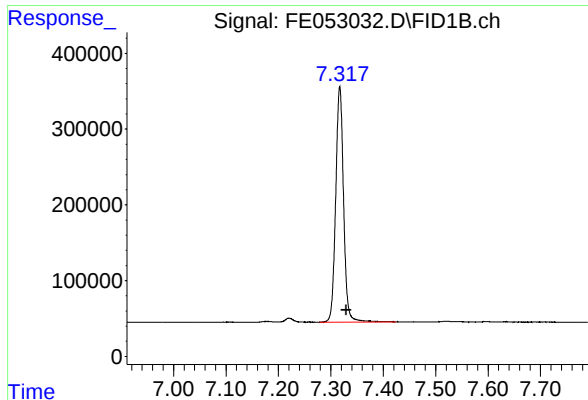
#3 A~Naphthalene (C11.7)

R.T.: 6.215 min
Delta R.T.: -0.013 min
Response: 3403250
Conc: 20.07 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.683 min
Delta R.T.: -0.012 min
Response: 3168931
Conc: 20.35 ug/ml



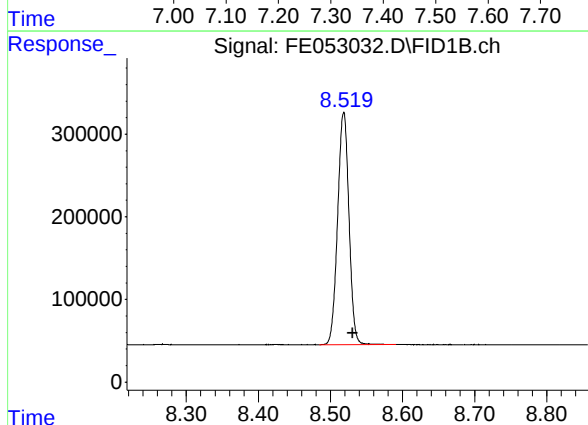
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.317 min
Delta R.T.: -0.012 min
Response: 3242249
Conc: 20.01 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

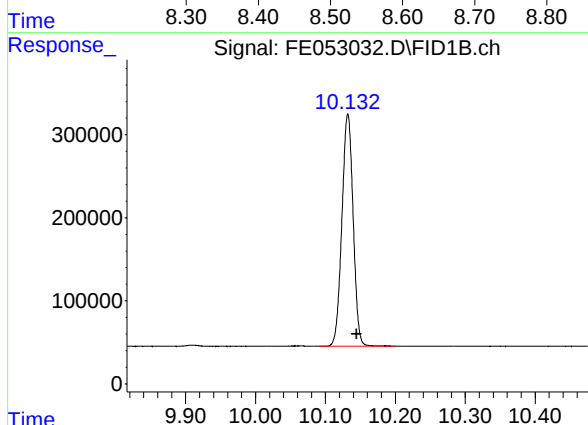
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



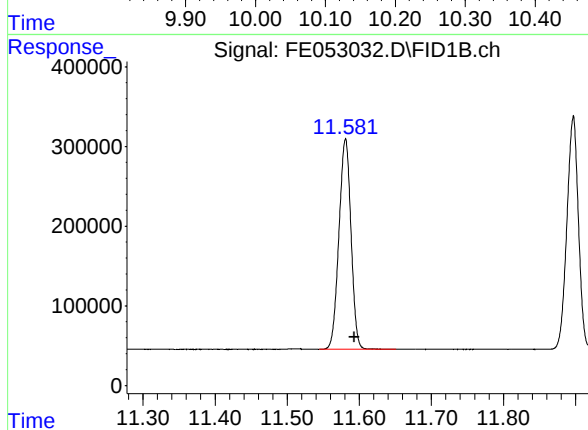
#6 n-Tetradecane (C14)

R.T.: 8.518 min
Delta R.T.: -0.012 min
Response: 3078889
Conc: 20.35 ug/ml



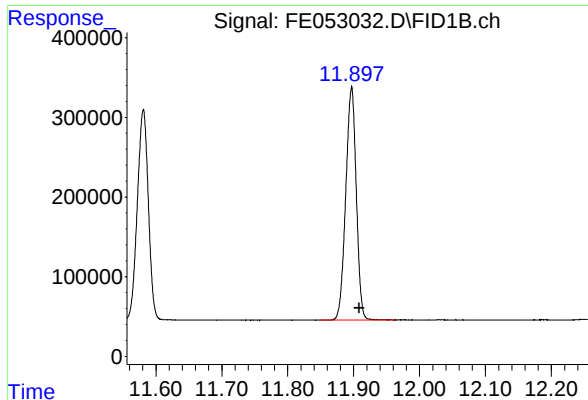
#7 n-Hexadecane (C16)

R.T.: 10.132 min
Delta R.T.: -0.013 min
Response: 3117468
Conc: 20.39 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.581 min
Delta R.T.: -0.012 min
Response: 3069604
Conc: 20.18 ug/ml



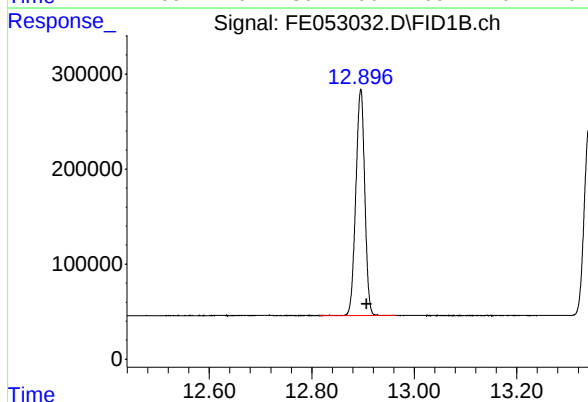
#9 ortho-Terphenyl (SURR)

R.T.: 11.897 min
Delta R.T.: -0.012 min
Response: 3234222
Conc: 19.18 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

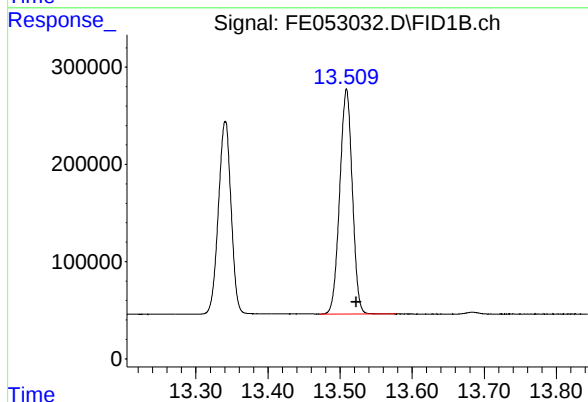
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



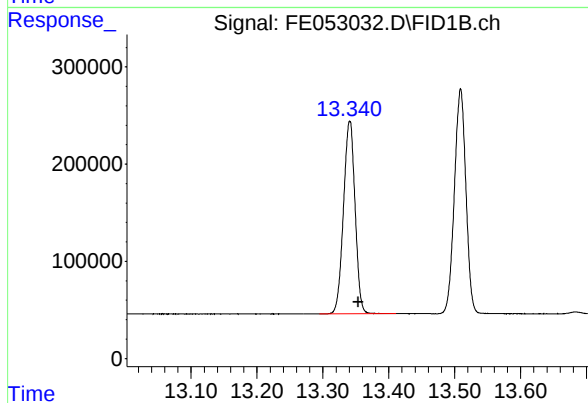
#10 n-Eicosane (C20)

R.T.: 12.895 min
Delta R.T.: -0.012 min
Response: 2882606
Conc: 19.86 ug/ml



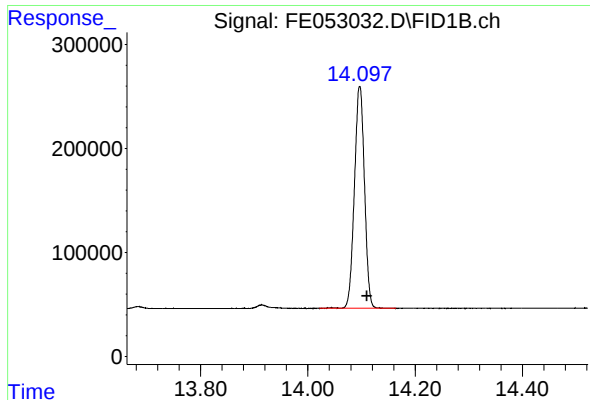
#11 n-Heneicosane (C21)

R.T.: 13.509 min
Delta R.T.: -0.013 min
Response: 2808020
Conc: 19.73 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.341 min
Delta R.T.: -0.013 min
Response: 2416806
Conc: 19.90 ug/ml



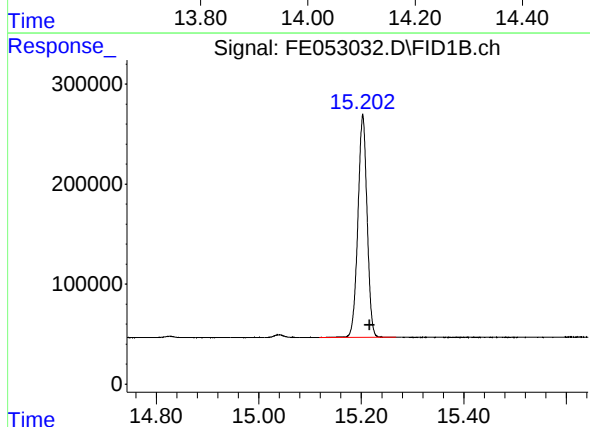
#13 n-Docosane (C22)

R.T.: 14.097 min
Delta R.T.: -0.013 min
Response: 2782404
Conc: 19.55 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

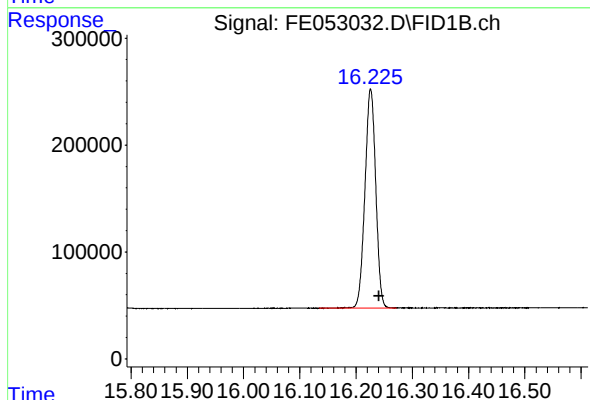
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



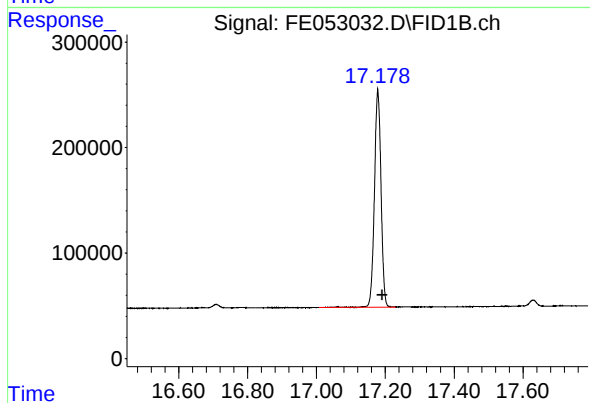
#14 n-Tetracosane (C24)

R.T.: 15.203 min
Delta R.T.: -0.013 min
Response: 2762863
Conc: 19.31 ug/ml



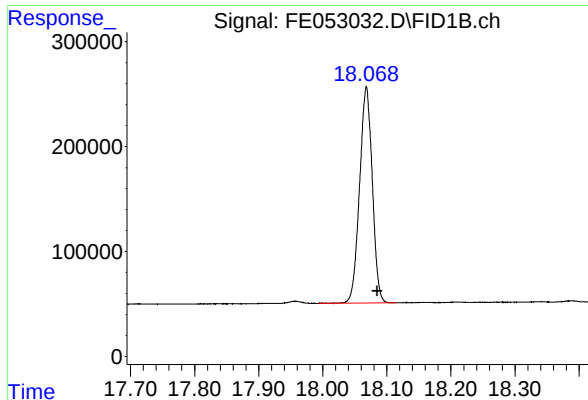
#15 n-Hexacosane (C26)

R.T.: 16.226 min
Delta R.T.: -0.015 min
Response: 2730202
Conc: 19.20 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.178 min
Delta R.T.: -0.014 min
Response: 2727281
Conc: 19.18 ug/ml



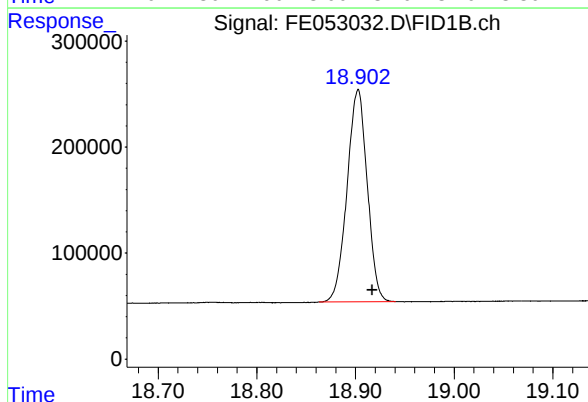
#17 n-Tricontane (C30)

R.T.: 18.068 min
Delta R.T.: -0.017 min
Response: 2837660
Conc: 19.21 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

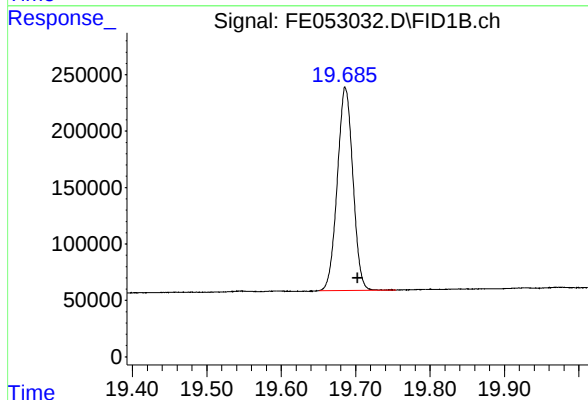
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



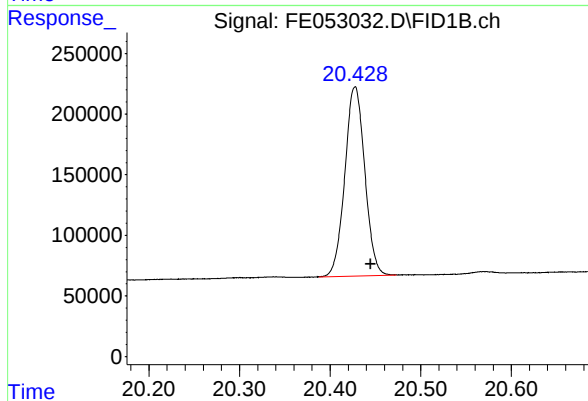
#18 n-Dotriacontane (C32)

R.T.: 18.902 min
Delta R.T.: -0.015 min
Response: 2841934
Conc: 19.58 ug/ml m



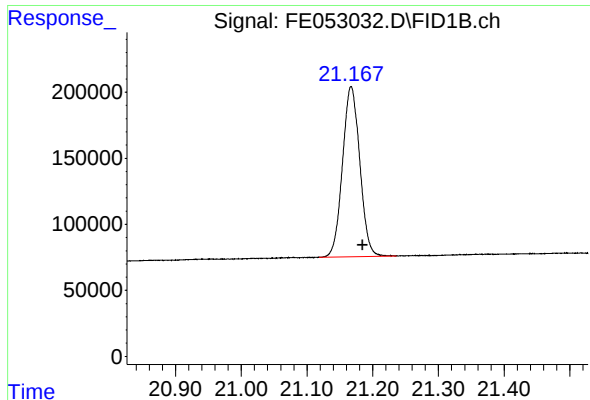
#19 n-Tetratriacontane (C34)

R.T.: 19.686 min
Delta R.T.: -0.016 min
Response: 2612980
Conc: 19.39 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.428 min
Delta R.T.: -0.017 min
Response: 2391078
Conc: 20.12 ug/ml m



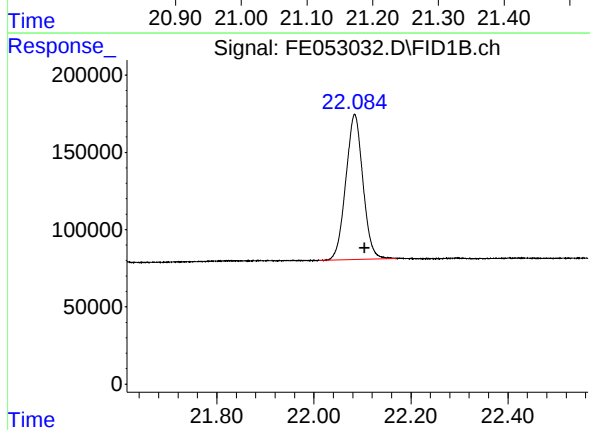
#21 n-Octatriacontane (C38)

R.T.: 21.167 min
Delta R.T.: -0.018 min
Response: 2360186
Conc: 21.28 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



#22 n-Tetracontane (C40)

R.T.: 22.084 min
Delta R.T.: -0.020 min
Response: 2301105
Conc: 21.28 ug/ml m