

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092225AL\
 Data File : FE055914.D
 Signal(s) : FID1B.ch
 Acq On : 22 Sep 2025 09:17
 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 09/23/2025
 Supervised By :mohammad ahmed 09/24/2025

Integration File: sample.E
 Quant Time: Sep 23 04:26:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 29 08:12:09 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)	12.078	3469886	21.121 ug/ml
Spiked Amount 50.000		Recovery =	42.24%
12) S 1-chlorooctadecane (S...	13.514	2578237	20.618 ug/ml
Spiked Amount 50.000		Recovery =	41.24%
Target Compounds			
1) T n-Nonane (C9)	3.412	2484435	19.578 ug/ml
2) T n-Decane (C10)	4.671	2553217	19.932 ug/ml
3) T A~Naphthalene (C11.7)	6.392	2954105	20.333 ug/ml
4) T n-Dodecane (C12)	6.847	2640918	20.282 ug/ml
5) T A~2-methylnaphthalene...	7.494	2897306	20.599 ug/ml
6) T n-Tetradecane (C14)	8.685	2725808	20.698 ug/ml
7) T n-Hexadecane (C16)	10.300	2956824	21.349 ug/ml
8) T n-Octadecane (C18)	11.751	3143701	21.553 ug/ml
10) T n-Eicosane (C20)	13.066	3087766	21.451 ug/ml
11) T n-Heneicosane (C21)	13.680	3007796	21.056 ug/ml
13) T n-Docosane (C22)	14.268	2981702	20.830 ug/ml
14) T n-Tetracosane (C24)	15.375	2905400	20.079 ug/ml
15) T n-Hexacosane (C26)	16.399	2709421	18.965 ug/ml
16) T n-Octacosane (C28)	17.352	2674850	18.806 ug/ml
17) T n-Tricontane (C30)	18.242	2894901	19.584 ug/ml
18) T n-Dotriacontane (C32)	19.078	2959087	20.161 ug/ml
19) T n-Tetratriacontane (C34)	19.862	2746979	19.443 ug/ml
20) T n-Hexatriacontane (C36)	20.604	2424013	18.370 ug/mlm
21) T n-Octatriacontane (C38)	21.380	2261906	17.367 ug/mlm
22) T n-Tetracontane (C40)	22.372	2009633	15.671 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092225AL\
Data File : FE055914.D
Signal(s) : FID1B.ch
Acq On : 22 Sep 2025 09:17
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 4 Sample Multiplier: 1

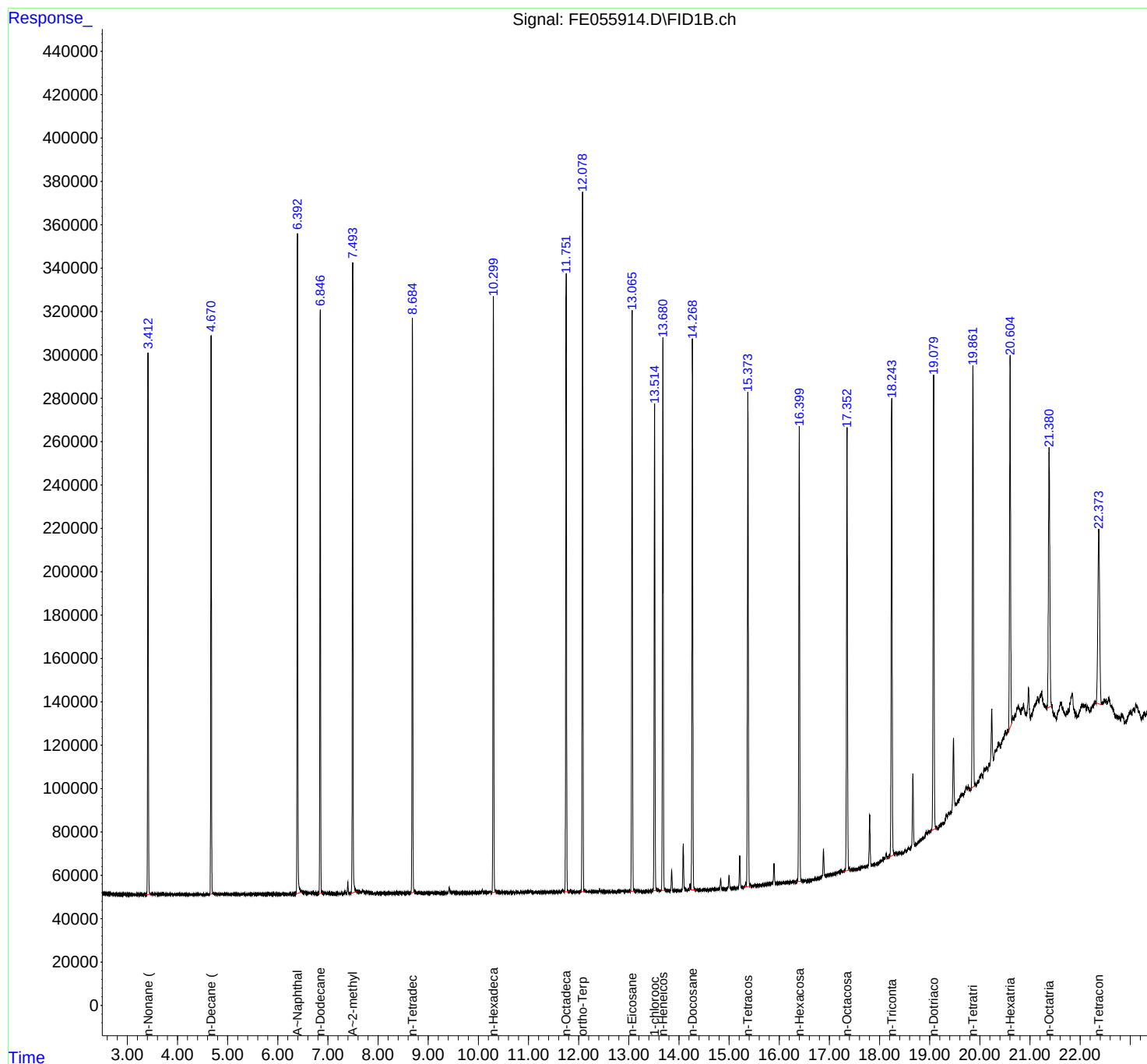
Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

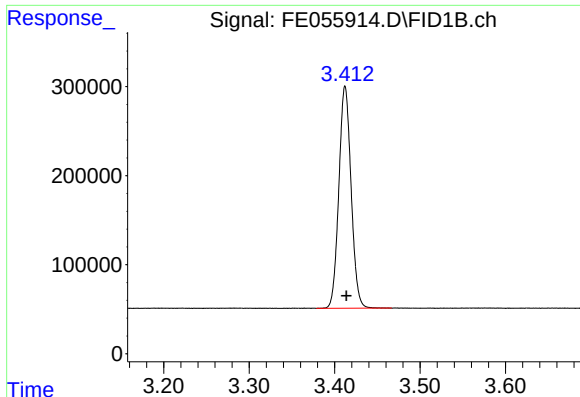
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/23/2025
Supervised By :mohammad ahmed 09/24/2025

Integration File: sample.E
Quant Time: Sep 23 04:26:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
Quant Title : GC Extractables
QLast Update : Fri Aug 29 08:12:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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





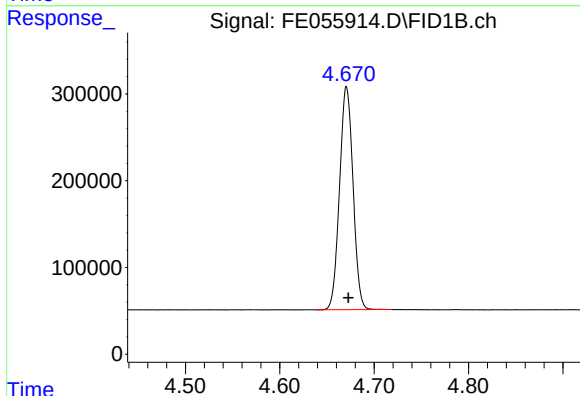
#1 n-Nonane (C9)

R.T.: 3.412 min
Delta R.T.: -0.002 min
Response: 2484435
Conc: 19.58 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

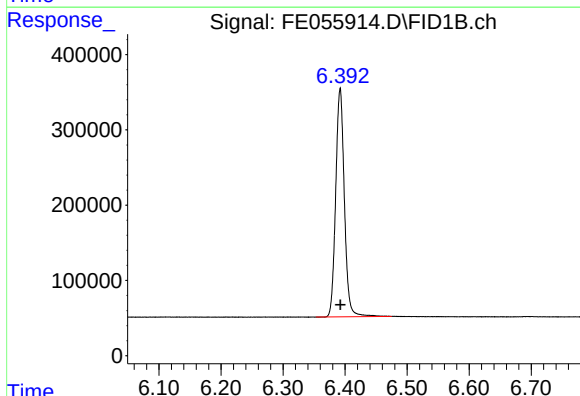
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/23/2025
Supervised By :mohammad ahmed 09/24/2025



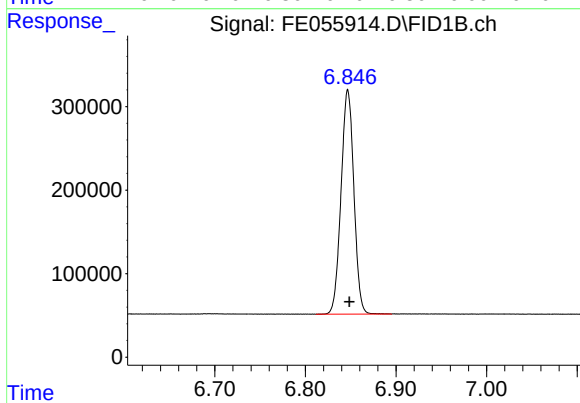
#2 n-Decane (C10)

R.T.: 4.671 min
Delta R.T.: -0.002 min
Response: 2553217
Conc: 19.93 ug/ml



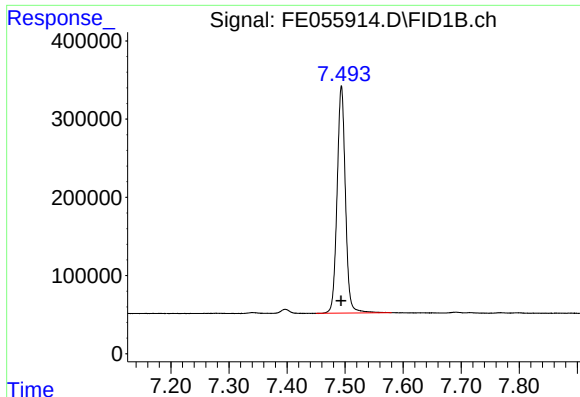
#3 A~Naphthalene (C11.7)

R.T.: 6.392 min
Delta R.T.: 0.000 min
Response: 2954105
Conc: 20.33 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.847 min
Delta R.T.: -0.002 min
Response: 2640918
Conc: 20.28 ug/ml



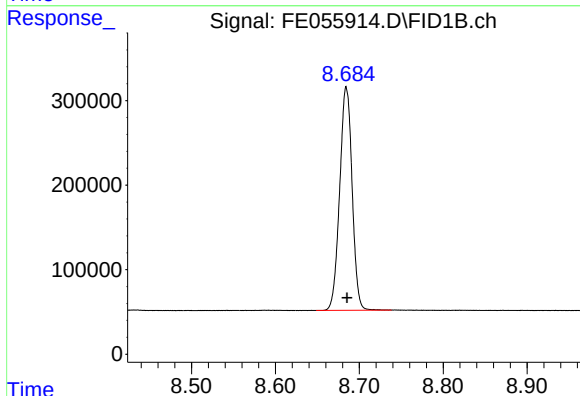
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.494 min
Delta R.T.: 0.000 min
Response: 2897306
Conc: 20.60 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

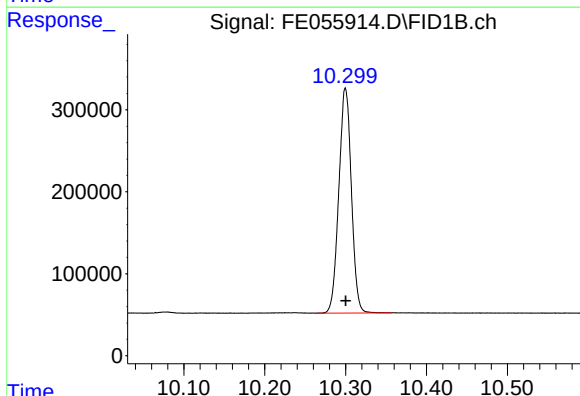
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/23/2025
Supervised By :mohammad ahmed 09/24/2025



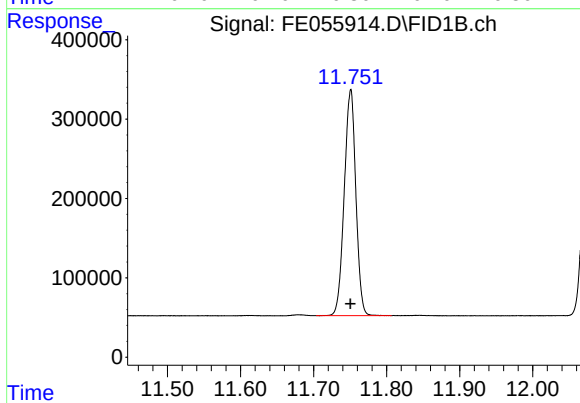
#6 n-Tetradecane (C14)

R.T.: 8.685 min
Delta R.T.: 0.000 min
Response: 2725808
Conc: 20.70 ug/ml



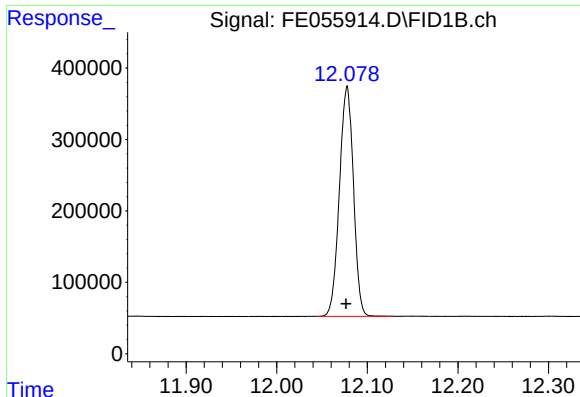
#7 n-Hexadecane (C16)

R.T.: 10.300 min
Delta R.T.: 0.000 min
Response: 2956824
Conc: 21.35 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.751 min
Delta R.T.: 0.000 min
Response: 3143701
Conc: 21.55 ug/ml



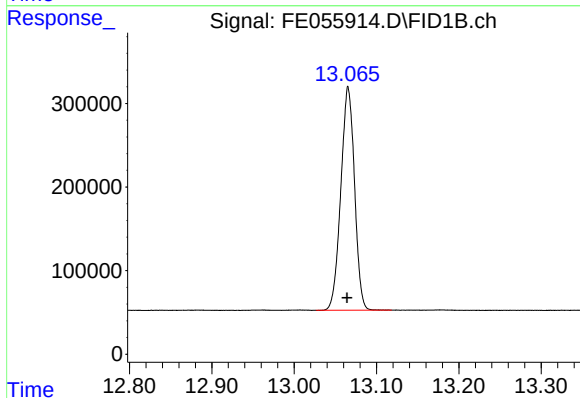
#9 ortho-Terphenyl (SURR)

R.T.: 12.078 min
Delta R.T.: 0.000 min
Response: 3469886
Conc: 21.12 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

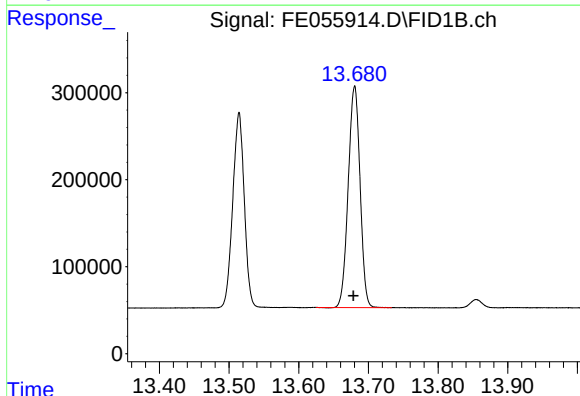
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/23/2025
Supervised By :mohammad ahmed 09/24/2025



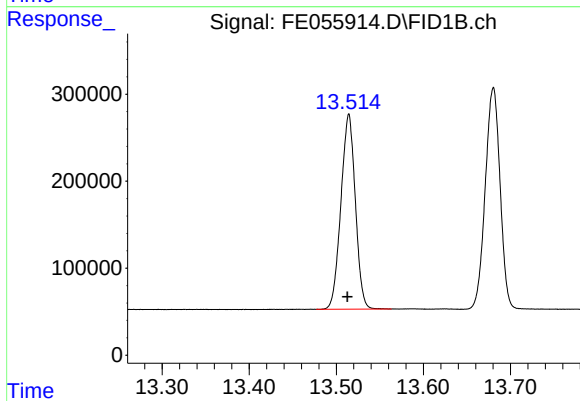
#10 n-Eicosane (C20)

R.T.: 13.066 min
Delta R.T.: 0.001 min
Response: 3087766
Conc: 21.45 ug/ml



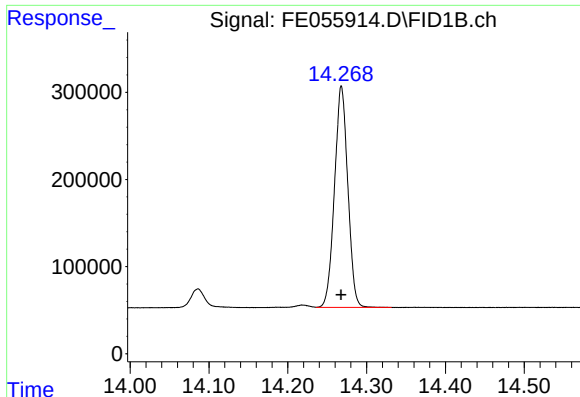
#11 n-Heneicosane (C21)

R.T.: 13.680 min
Delta R.T.: 0.001 min
Response: 3007796
Conc: 21.06 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.514 min
Delta R.T.: 0.001 min
Response: 2578237
Conc: 20.62 ug/ml



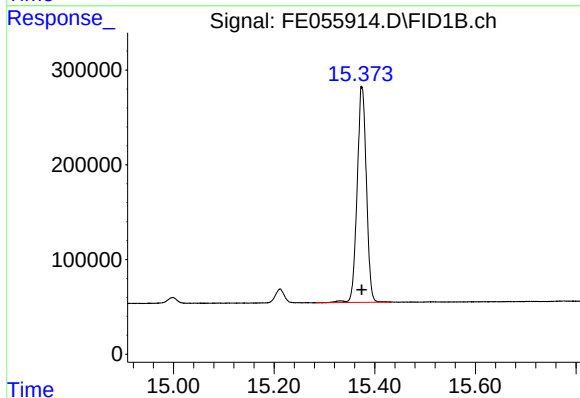
#13 n-Docosane (C22)

R.T.: 14.268 min
Delta R.T.: 0.000 min
Response: 2981702
Conc: 20.83 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

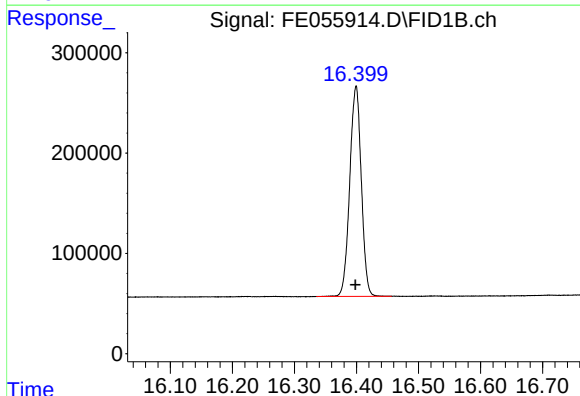
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/23/2025
Supervised By :mohammad ahmed 09/24/2025



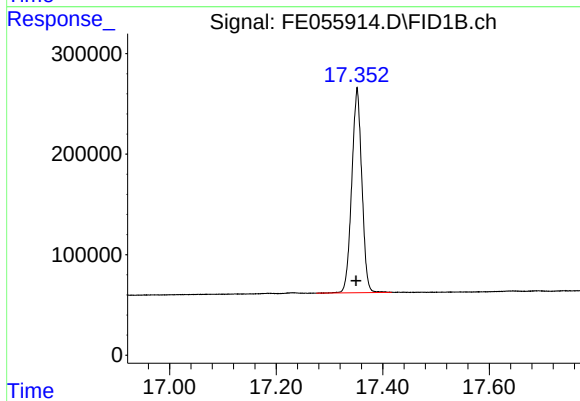
#14 n-Tetracosane (C24)

R.T.: 15.375 min
Delta R.T.: 0.000 min
Response: 2905400
Conc: 20.08 ug/ml



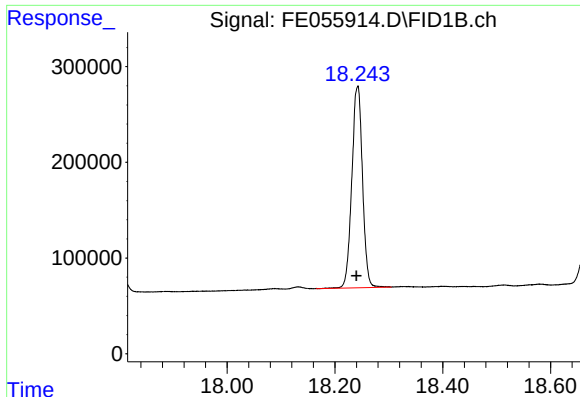
#15 n-Hexacosane (C26)

R.T.: 16.399 min
Delta R.T.: 0.000 min
Response: 2709421
Conc: 18.97 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.352 min
Delta R.T.: 0.002 min
Response: 2674850
Conc: 18.81 ug/ml



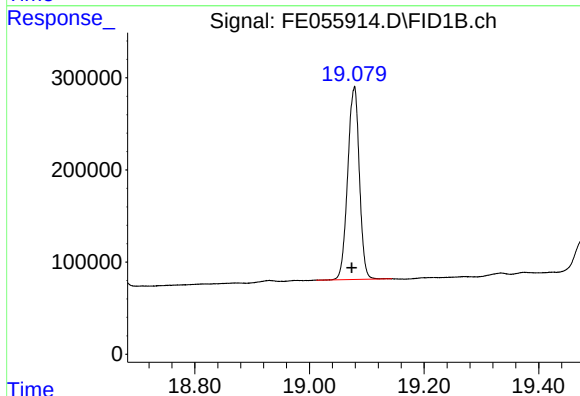
#17 n-Tricontane (C30)

R.T.: 18.242 min
Delta R.T.: 0.002 min
Response: 2894901
Conc: 19.58 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

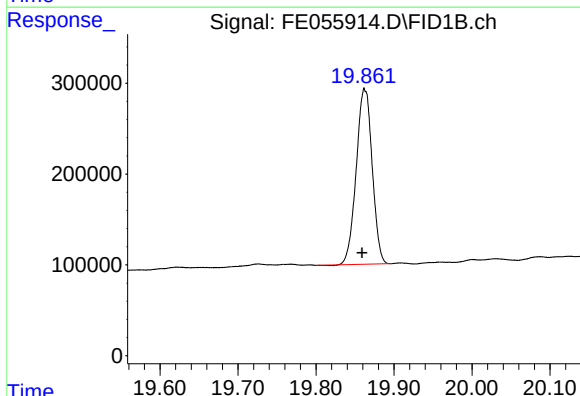
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/23/2025
Supervised By :mohammad ahmed 09/24/2025



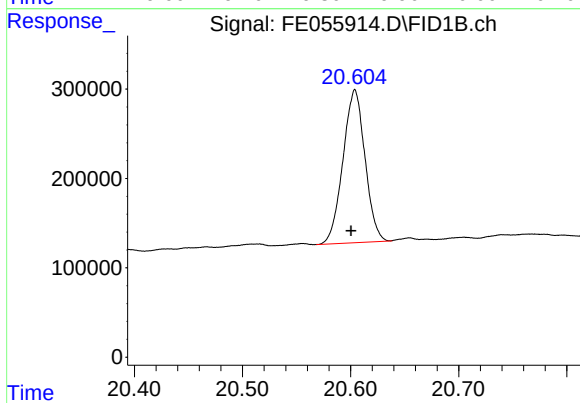
#18 n-Dotriacontane (C32)

R.T.: 19.078 min
Delta R.T.: 0.004 min
Response: 2959087
Conc: 20.16 ug/ml



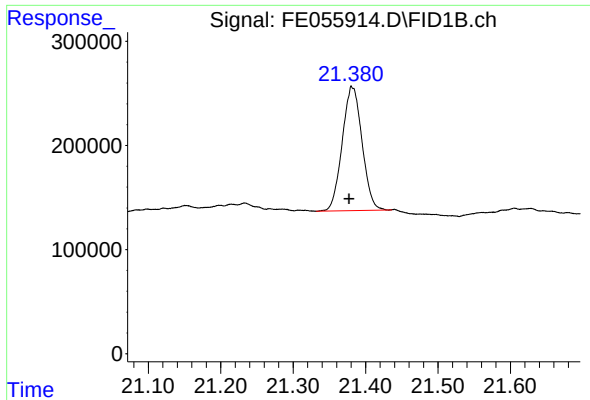
#19 n-Tetratriacontane (C34)

R.T.: 19.862 min
Delta R.T.: 0.003 min
Response: 2746979
Conc: 19.44 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.604 min
Delta R.T.: 0.003 min
Response: 2424013
Conc: 18.37 ug/ml m



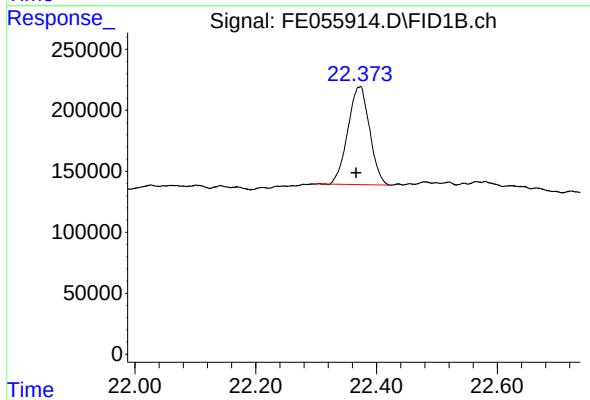
#21 n-Octatriacontane (C38)

R.T.: 21.380 min
Delta R.T.: 0.003 min
Response: 2261906
Conc: 17.37 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/23/2025
Supervised By :mohammad ahmed 09/24/2025



#22 n-Tetracontane (C40)

R.T.: 22.372 min
Delta R.T.: 0.006 min
Response: 2009633
Conc: 15.67 ug/ml