

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081925AL\
 Data File : FE055394.D
 Signal(s) : FID1B.ch
 Acq On : 19 Aug 2025 21:35
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/20/2025
 Supervised By :mohammad ahmed 08/21/2025

Integration File: sample.E
 Quant Time: Aug 20 01:24:03 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	2831774	19.830 ug/ml
Spiked Amount 50.000		Recovery =	39.66%
12) S 1-chlorooctadecane (S...	13.522	2168637	20.169 ug/ml
Spiked Amount 50.000		Recovery =	40.34%
Target Compounds			
1) T n-Nonane (C9)	3.420	2139546	18.642 ug/ml
2) T n-Decane (C10)	4.678	2207768	18.951 ug/ml
3) T A~Naphthalene (C11.7)	6.399	2540117	18.924 ug/ml
4) T n-Dodecane (C12)	6.854	2277056	19.122 ug/ml
5) T A~2-methylnaphthalene...	7.500	2489089	19.091 ug/ml
6) T n-Tetradecane (C14)	8.692	2329242	18.997 ug/ml
7) T n-Hexadecane (C16)	10.308	2470171	19.322 ug/ml
8) T n-Octadecane (C18)	11.758	2577697	19.756 ug/ml
10) T n-Eicosane (C20)	13.074	2514168	20.038 ug/ml
11) T n-Heneicosane (C21)	13.687	2475030	20.079 ug/ml
13) T n-Docosane (C22)	14.276	2453068	20.087 ug/ml
14) T n-Tetracosane (C24)	15.384	2435768	20.025 ug/ml
15) T n-Hexacosane (C26)	16.408	2372580	19.830 ug/ml
16) T n-Octacosane (C28)	17.360	2370133	19.980 ug/ml
17) T n-Tricontane (C30)	18.250	2496463	20.288 ug/ml
18) T n-Dotriacontane (C32)	19.083	2544164	20.852 ug/mlm
19) T n-Tetratriacontane (C34)	19.869	2443238	20.897 ug/mlm
20) T n-Hexatriacontane (C36)	20.611	2266791	20.739 ug/mlm
21) T n-Octatriacontane (C38)	21.390	2334071	21.598 ug/mlm
22) T n-Tetracontane (C40)	22.382	2012450	19.244 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081925AL\
Data File : FE055394.D
Signal(s) : FID1B.ch
Acq On : 19 Aug 2025 21:35
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 2 Sample Multiplier: 1

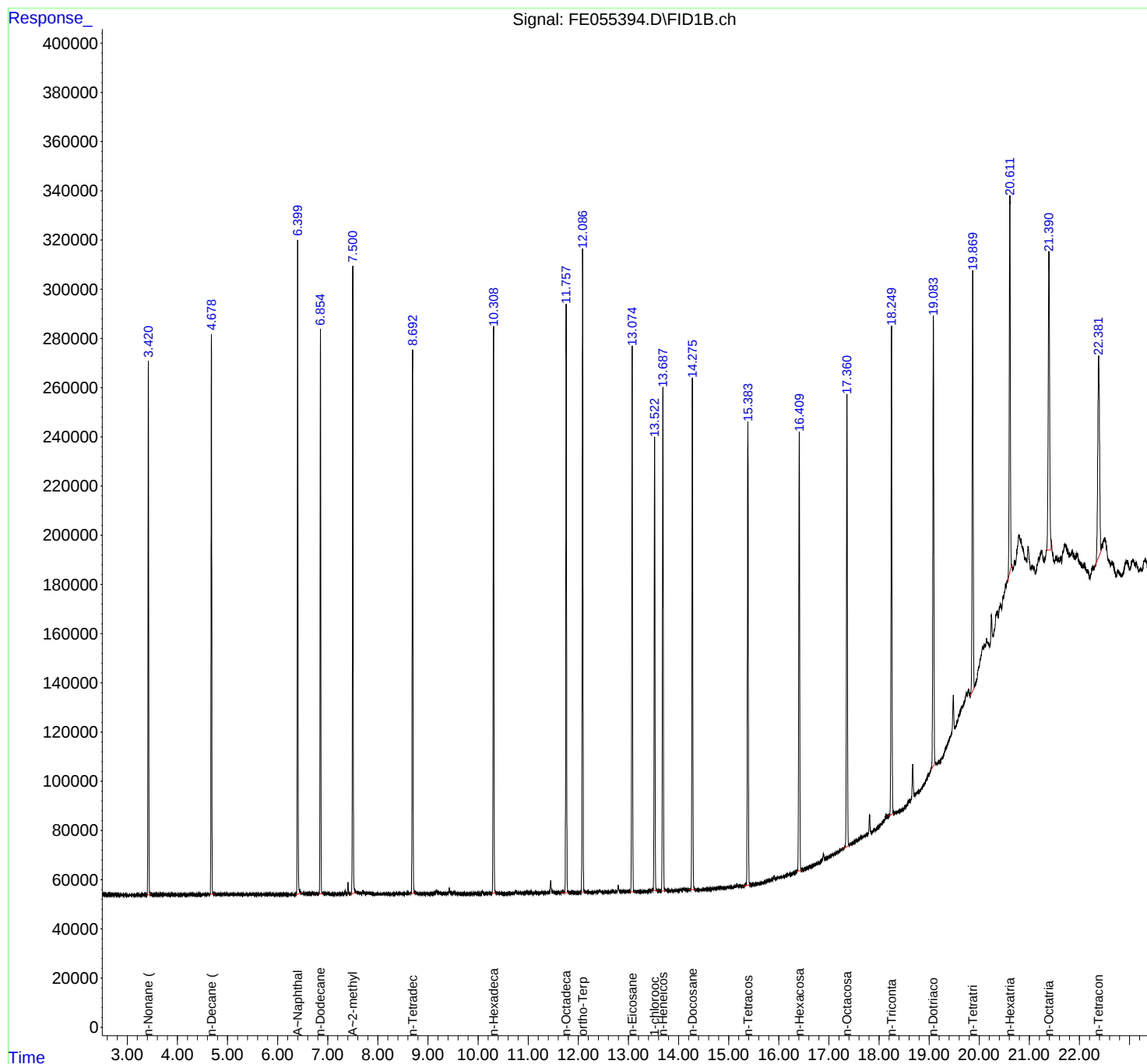
Instrument :
FID_E
ClientSampleId :

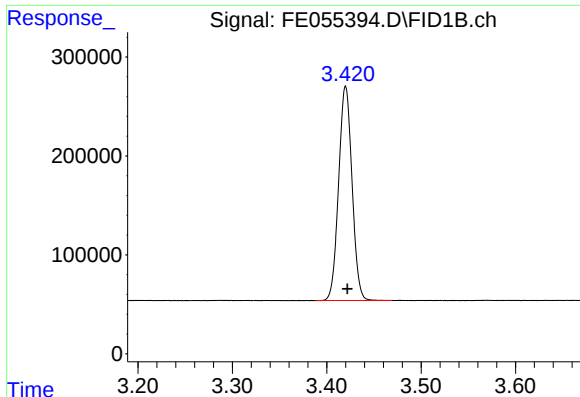
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025

Integration File: sample.E
Quant Time: Aug 20 01:24:03 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.: 3.420 min
Delta R.T.: -0.002 min
Response: 2139546
Conc: 18.64 ug/ml

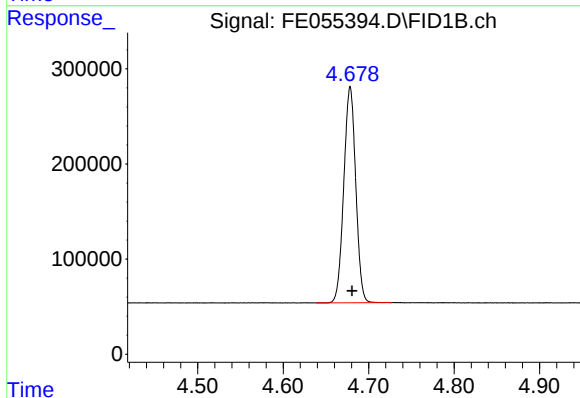
Instrument :

FID_E

ClientSampleId :

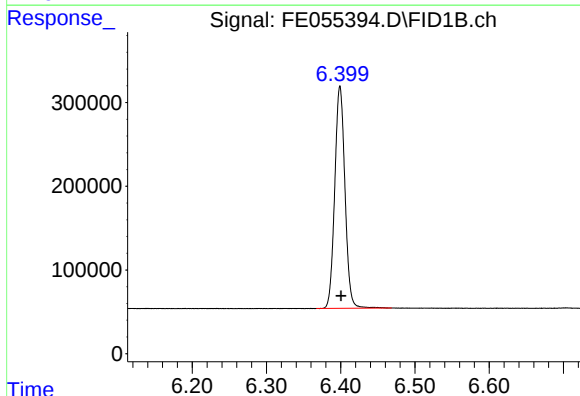
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



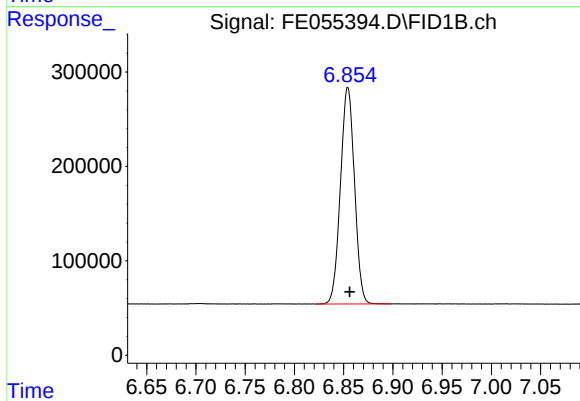
#2 n-Decane (C10)

R.T.: 4.678 min
Delta R.T.: -0.002 min
Response: 2207768
Conc: 18.95 ug/ml



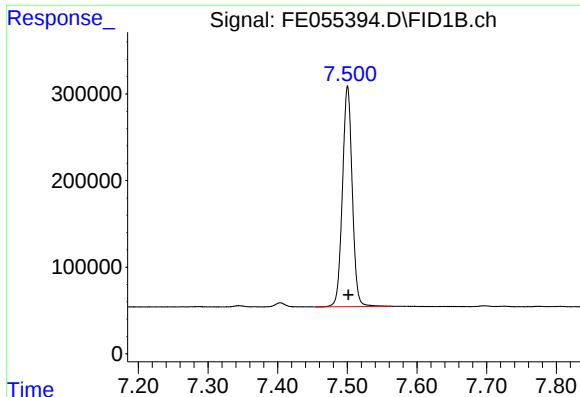
#3 A~Naphthalene (C11.7)

R.T.: 6.399 min
Delta R.T.: -0.002 min
Response: 2540117
Conc: 18.92 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.854 min
Delta R.T.: -0.002 min
Response: 2277056
Conc: 19.12 ug/ml



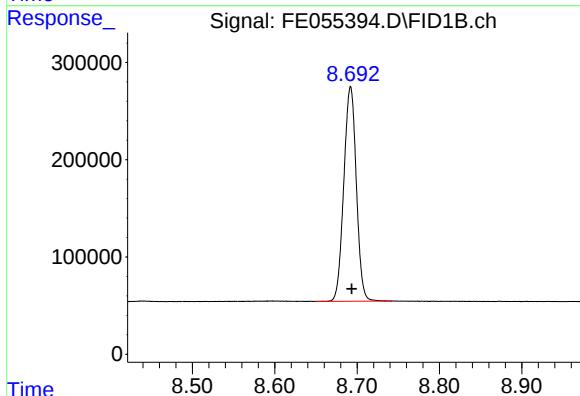
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.500 min
Delta R.T.: 0.000 min
Response: 2489089
Conc: 19.09 ug/ml

Instrument :
FID_E
ClientSampleId :

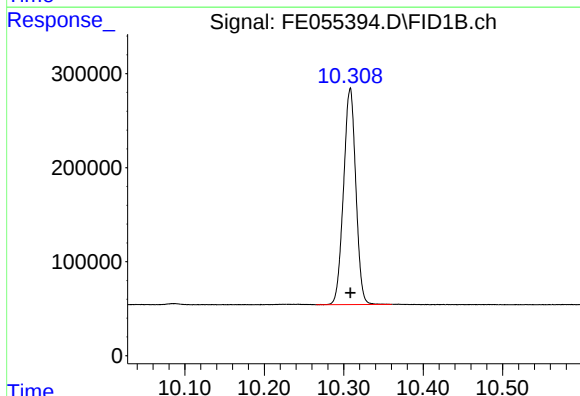
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



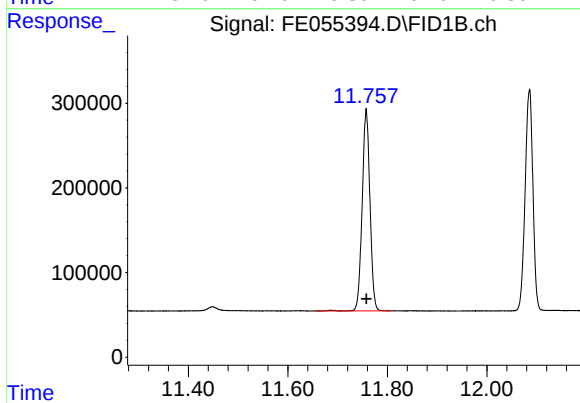
#6 n-Tetradecane (C14)

R.T.: 8.692 min
Delta R.T.: -0.002 min
Response: 2329242
Conc: 19.00 ug/ml



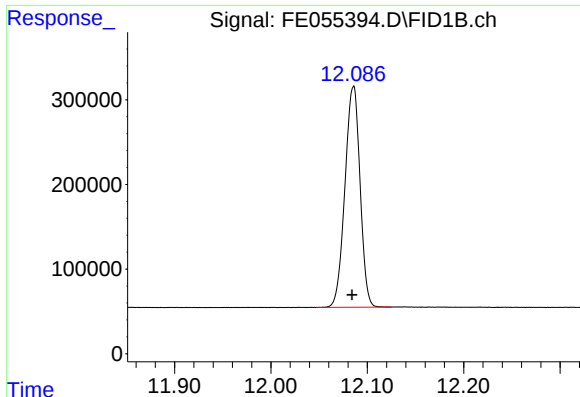
#7 n-Hexadecane (C16)

R.T.: 10.308 min
Delta R.T.: 0.000 min
Response: 2470171
Conc: 19.32 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.758 min
Delta R.T.: 0.000 min
Response: 2577697
Conc: 19.76 ug/ml



#9 ortho-Terphenyl (SURR)

R.T.: 12.085 min
Delta R.T.: 0.001 min
Response: 2831774
Conc: 19.83 ug/ml

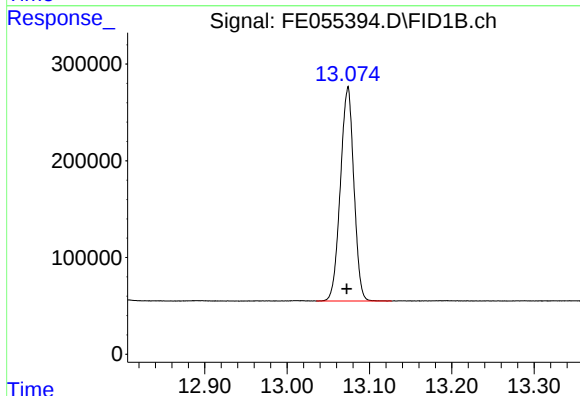
Instrument :

FID_E

ClientSampleId :

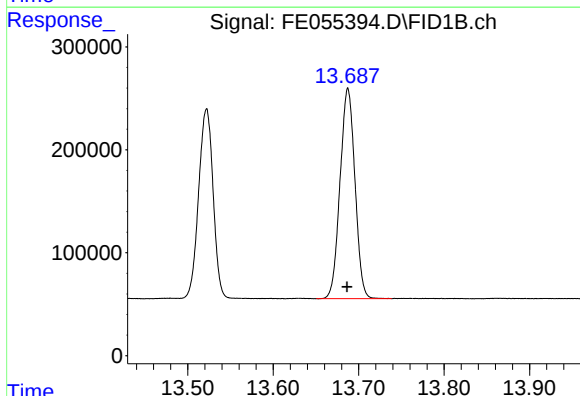
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



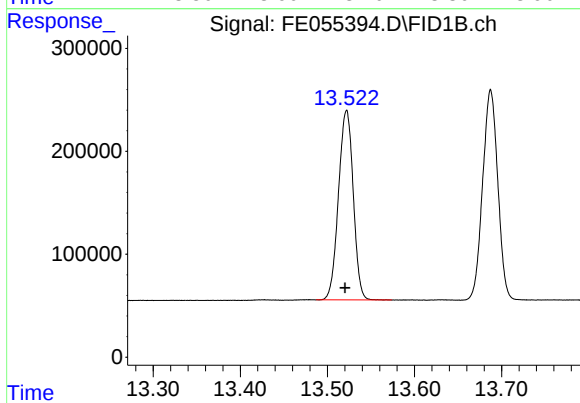
#10 n-Eicosane (C20)

R.T.: 13.074 min
Delta R.T.: 0.001 min
Response: 2514168
Conc: 20.04 ug/ml



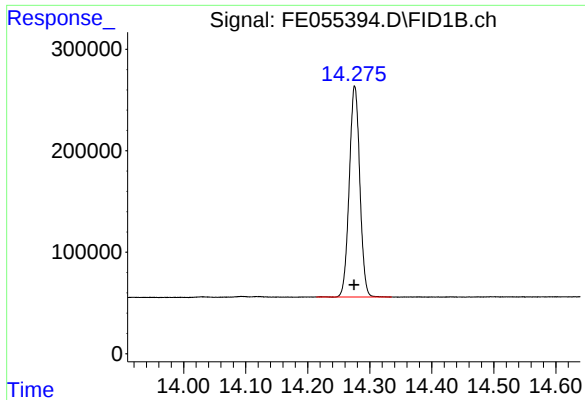
#11 n-Heneicosane (C21)

R.T.: 13.687 min
Delta R.T.: 0.001 min
Response: 2475030
Conc: 20.08 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.522 min
Delta R.T.: 0.002 min
Response: 2168637
Conc: 20.17 ug/ml



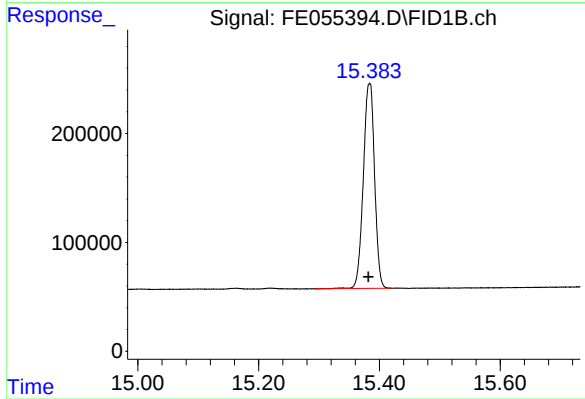
#13 n-Docosane (C22)

R.T.: 14.276 min
Delta R.T.: 0.000 min
Response: 2453068
Conc: 20.09 ug/ml

Instrument :
FID_E
ClientSampleId :

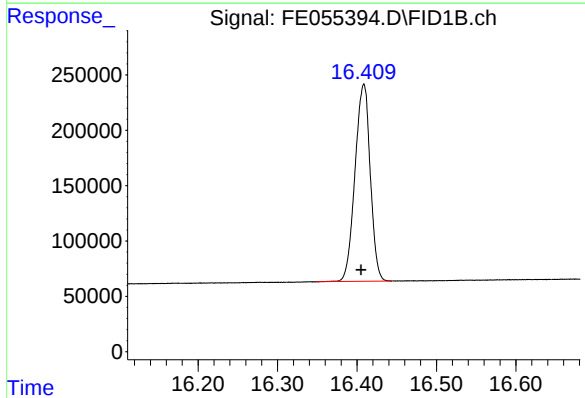
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



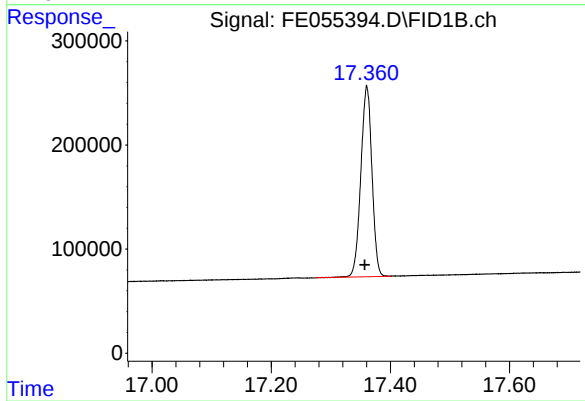
#14 n-Tetracosane (C24)

R.T.: 15.384 min
Delta R.T.: 0.002 min
Response: 2435768
Conc: 20.03 ug/ml



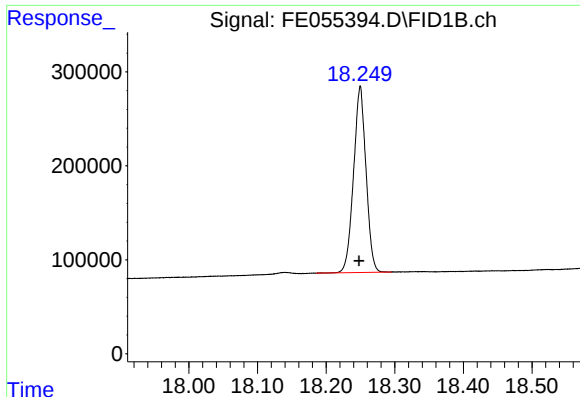
#15 n-Hexacosane (C26)

R.T.: 16.408 min
Delta R.T.: 0.003 min
Response: 2372580
Conc: 19.83 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.360 min
Delta R.T.: 0.004 min
Response: 2370133
Conc: 19.98 ug/ml



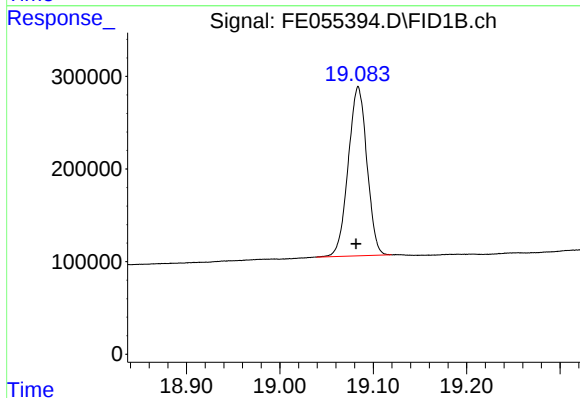
#17 n-Tricontane (C30)

R.T.: 18.250 min
Delta R.T.: 0.002 min
Response: 2496463
Conc: 20.29 ug/ml

Instrument :
FID_E
ClientSampleId :

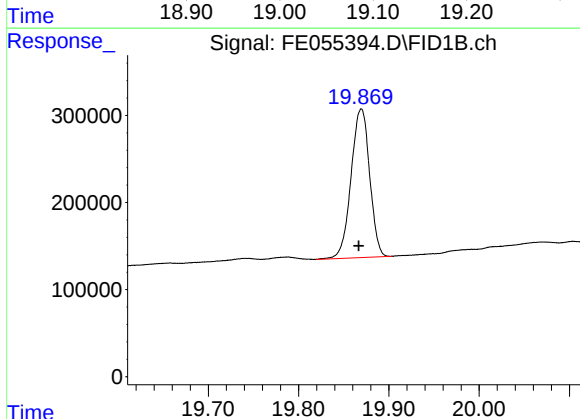
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



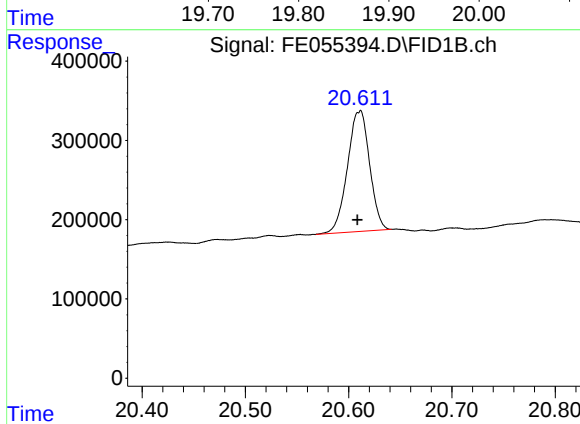
#18 n-Dotriacontane (C32)

R.T.: 19.083 min
Delta R.T.: 0.002 min
Response: 2544164
Conc: 20.85 ug/ml m



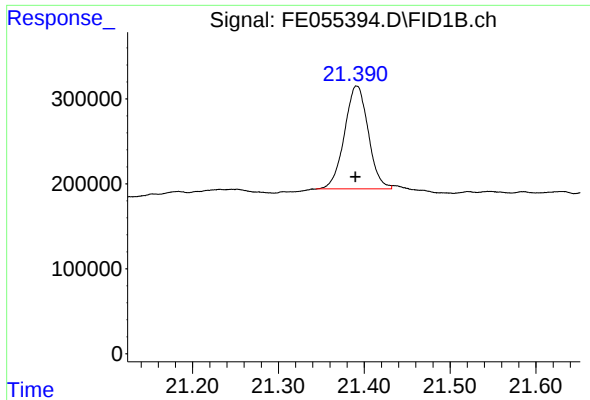
#19 n-Tetratriacontane (C34)

R.T.: 19.869 min
Delta R.T.: 0.002 min
Response: 2443238
Conc: 20.90 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.611 min
Delta R.T.: 0.003 min
Response: 2266791
Conc: 20.74 ug/ml m



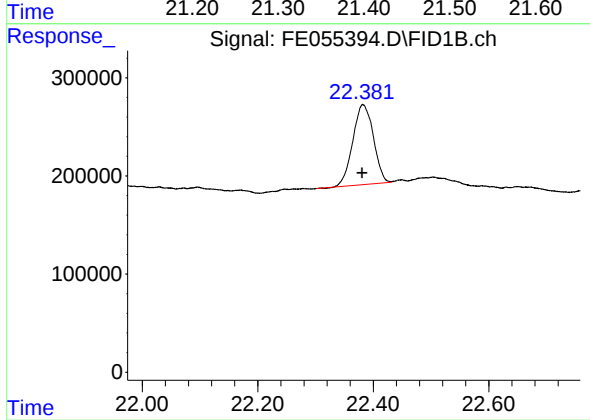
#21 n-Octatriacontane (C38)

R.T.: 21.390 min
Delta R.T.: 0.000 min
Response: 2334071
Conc: 21.60 ug/ml

Instrument :
FID_E
ClientSampleId :

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



#22 n-Tetracontane (C40)

R.T.: 22.382 min
Delta R.T.: 0.001 min
Response: 2012450
Conc: 19.24 ug/ml