

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE043025AL\
 Data File : FE053596.D
 Signal(s) : FID1B.ch
 Acq On : 30 Apr 2025 19:43
 Operator : YP\AJ
 Sample : Q1912-05MSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

MH-FMSD

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 05/01/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File: autoint1.e

Quant Time: May 01 01:50:02 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)	11.870	5410264	29.997 ug/ml
Spiked Amount 50.000		Recovery =	59.99%
12) S 1-chlorooctadecane (S...	13.313	4753254	35.164 ug/ml
Spiked Amount 50.000		Recovery =	70.33%
Target Compounds			
1) T n-Nonane (C9)	3.217	3393460	24.751 ug/ml
2) T n-Decane (C10)	4.477	3801282	27.479 ug/mlm
3) T A~Naphthalene (C11.7)	6.188	4774297	31.629 ug/ml
4) T n-Dodecane (C12)	6.656	4182364	29.821 ug/ml
5) T A~2-methylnaphthalene...	7.290	5033539	33.713 ug/ml
6) T n-Tetradecane (C14)	8.494	4879361	34.781 ug/ml
7) T n-Hexadecane (C16)	10.106	5569580	38.860 ug/ml
8) T n-Octadecane (C18)	11.555	5071486	34.800 ug/ml
10) T n-Eicosane (C20)	12.869	6556847	45.060 ug/ml
11) T n-Heneicosane (C21)	13.482	5632706	38.888 ug/ml
13) T n-Docosane (C22)	14.069	5376328	37.257 ug/mlm
14) T n-Tetracosane (C24)	15.165	11857889	82.553 ug/ml
15) T n-Hexacosane (C26)	16.200	5226074	36.900 ug/ml
16) T n-Octacosane (C28)	17.151	5386133	38.714 ug/ml
17) T n-Tricontane (C30)	18.041	4732378	33.998 ug/ml
18) T n-Dotriacontane (C32)	18.874	4573613	33.309 ug/ml
19) T n-Tetratriacontane (C34)	19.658	4770857	36.616 ug/ml
20) T n-Hexatriacontane (C36)	20.400	4454304	35.283 ug/ml
21) T n-Octatriacontane (C38)	21.134	4428091	36.346 ug/ml
22) T n-Tetracontane (C40)	22.038	4667449	39.084 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE043025AL\
Data File : FE053596.D
Signal(s) : FID1B.ch
Acq On : 30 Apr 2025 19:43
Operator : YP\AJ
Sample : Q1912-05MSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

MH-FMSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/01/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File: autoint1.e

Quant Time: May 01 01:50:02 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

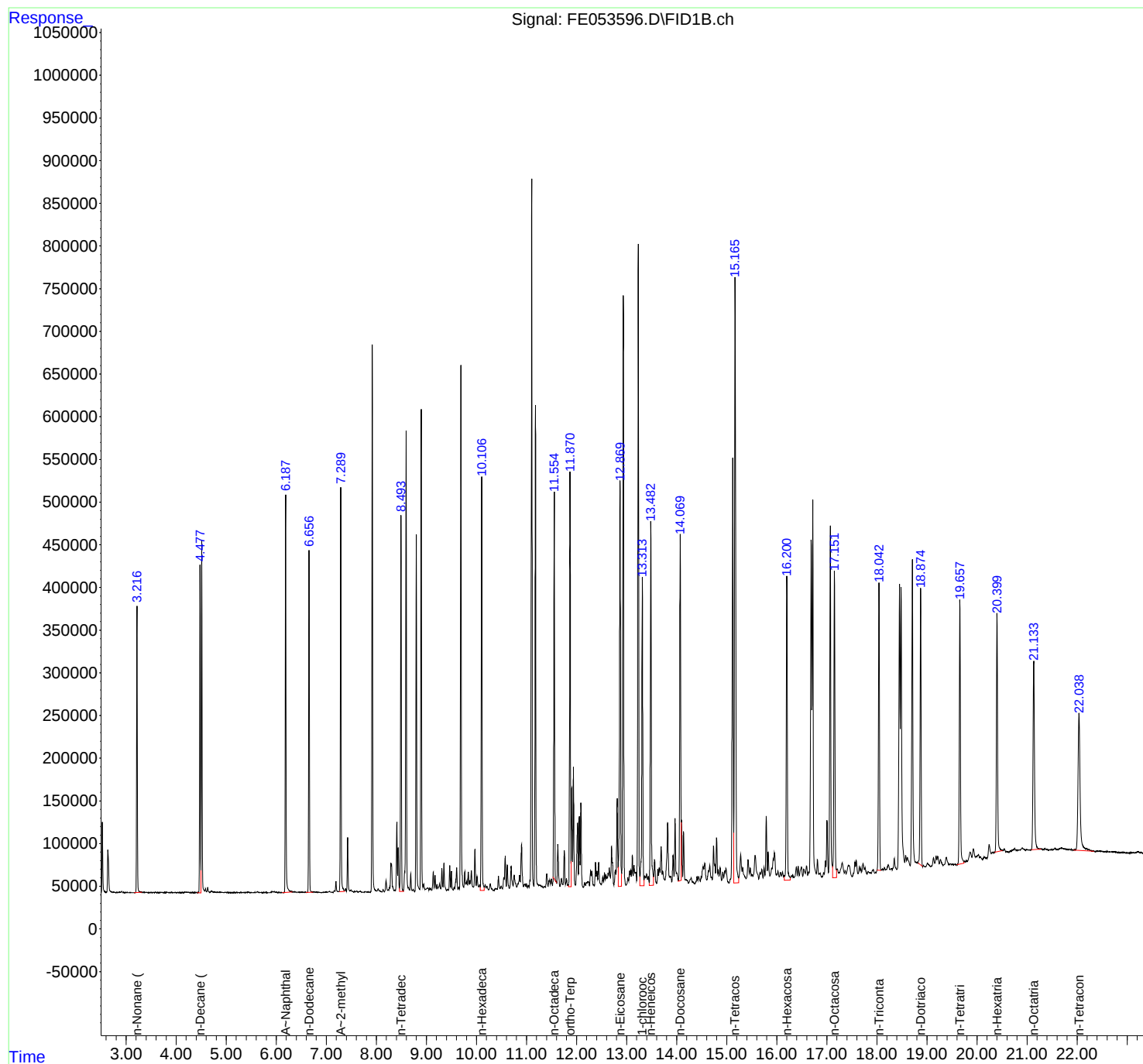
Response via : Initial Calibration

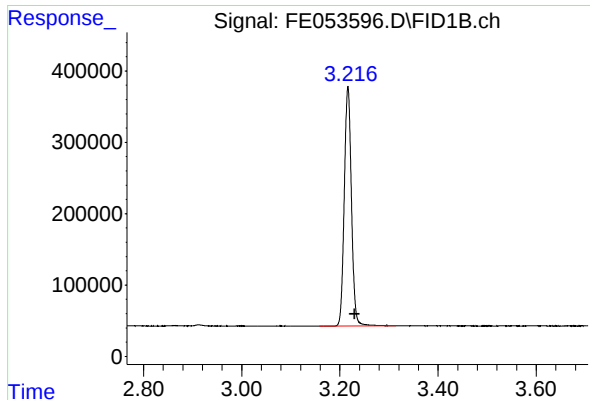
Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um





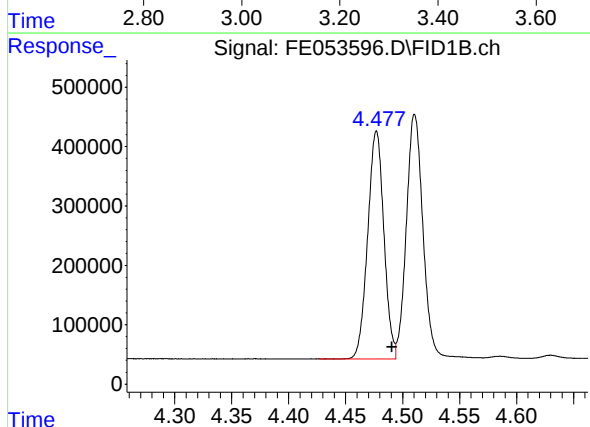
#1 n-Nonane (C9)

R.T.: 3.217 min
Delta R.T.: -0.013 min
Response: 3393460
Conc: 24.75 ug/ml

Instrument :
FID_E
ClientSampleId :
MH-FMSD

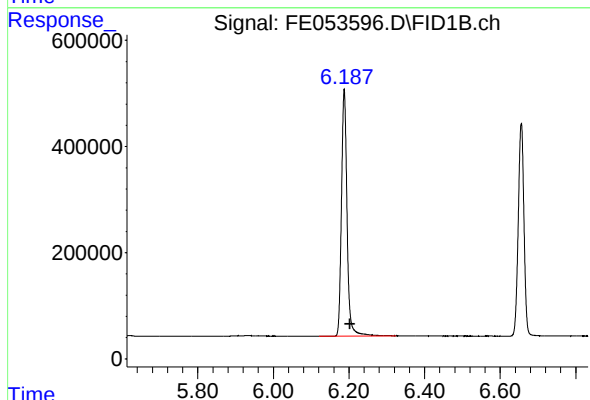
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/01/2025
Supervised By :mohammad ahmed 05/02/2025



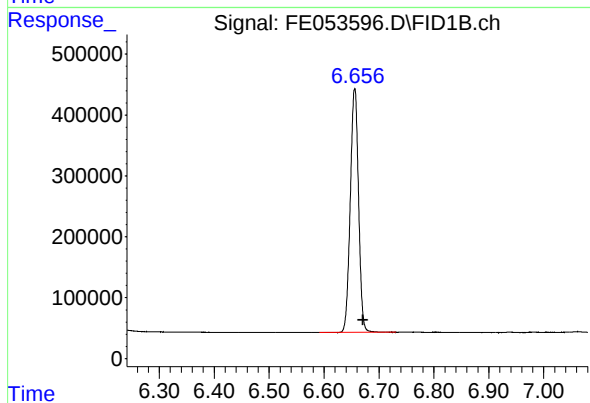
#2 n-Decane (C10)

R.T.: 4.477 min
Delta R.T.: -0.014 min
Response: 3801282
Conc: 27.48 ug/ml



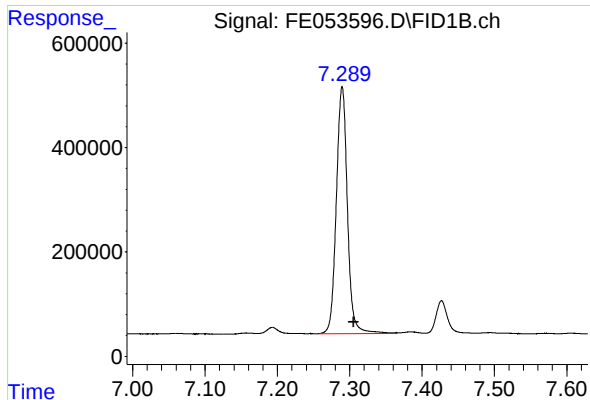
#3 A~Naphthalene (C11.7)

R.T.: 6.188 min
Delta R.T.: -0.016 min
Response: 4774297
Conc: 31.63 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.656 min
Delta R.T.: -0.015 min
Response: 4182364
Conc: 29.82 ug/ml



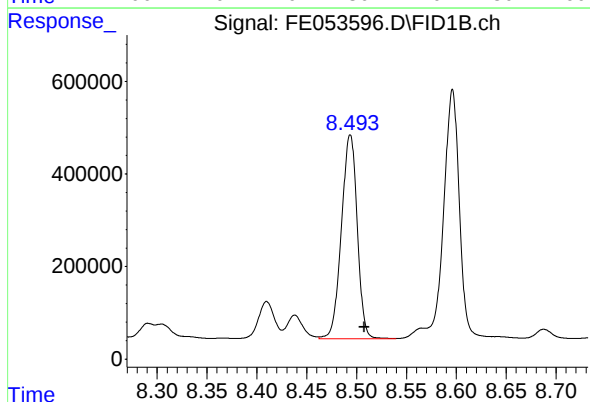
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.290 min
Delta R.T.: -0.016 min
Response: 5033539
Conc: 33.71 ug/ml

Instrument :
FID_E
ClientSampleId :
MH-FMSD

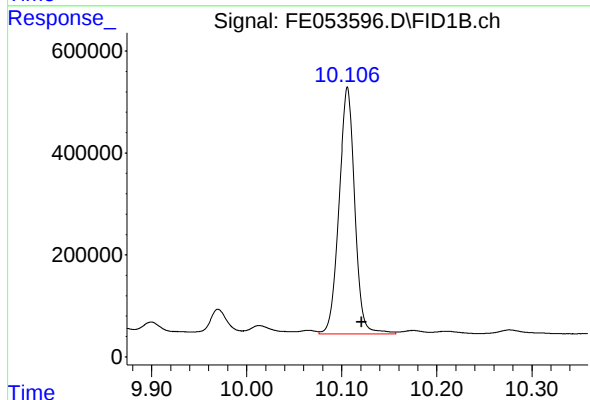
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/01/2025
Supervised By :mohammad ahmed 05/02/2025



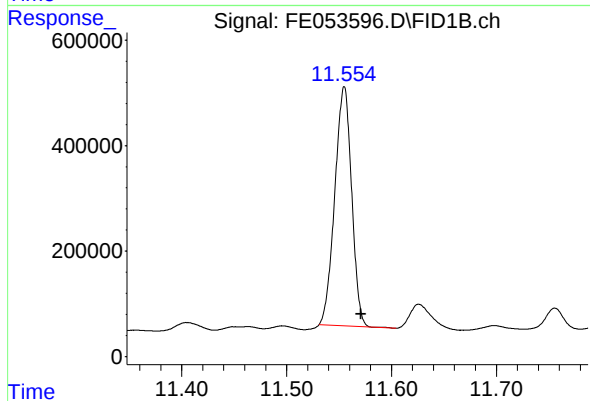
#6 n-Tetradecane (C14)

R.T.: 8.494 min
Delta R.T.: -0.014 min
Response: 4879361
Conc: 34.78 ug/ml



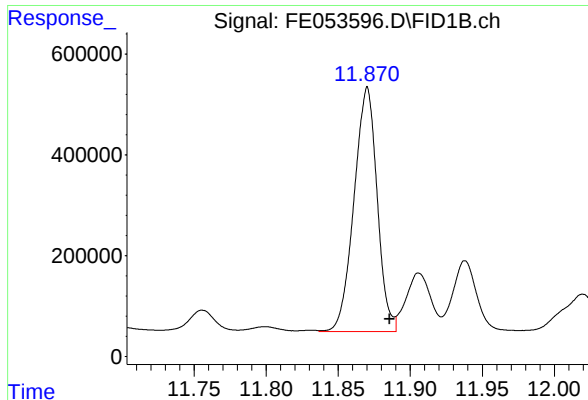
#7 n-Hexadecane (C16)

R.T.: 10.106 min
Delta R.T.: -0.015 min
Response: 5569580
Conc: 38.86 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.555 min
Delta R.T.: -0.016 min
Response: 5071486
Conc: 34.80 ug/ml



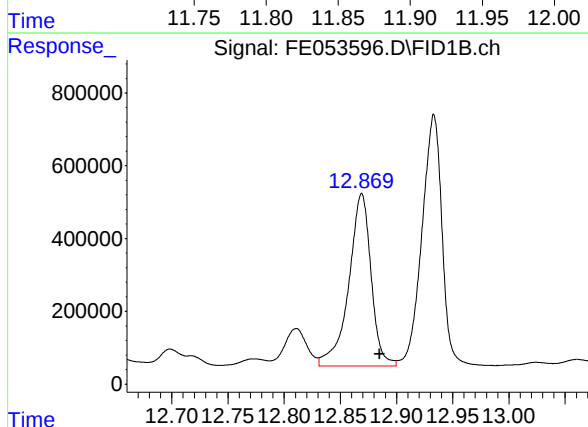
#9 ortho-Terphenyl (SURR)

R.T.: 11.870 min
Delta R.T.: -0.016 min
Response: 5410264
Conc: 30.00 ug/ml

Instrument :
FID_E
ClientSampleId :
MH-FMSD

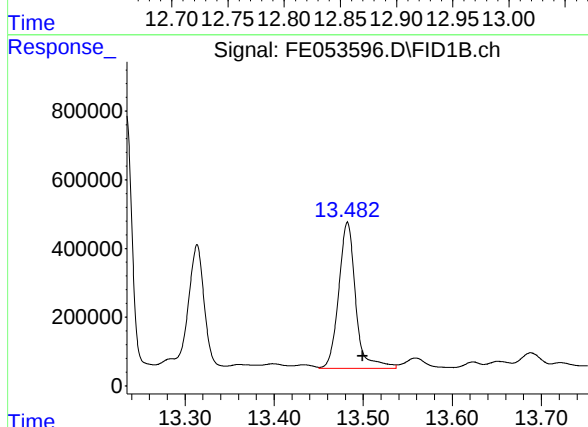
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/01/2025
Supervised By :mohammad ahmed 05/02/2025



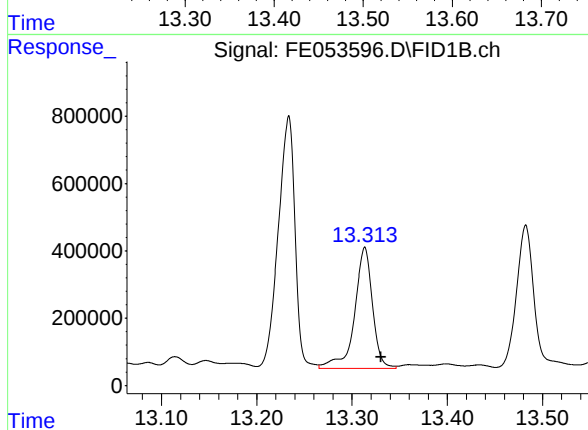
#10 n-Eicosane (C20)

R.T.: 12.869 min
Delta R.T.: -0.016 min
Response: 6556847
Conc: 45.06 ug/ml



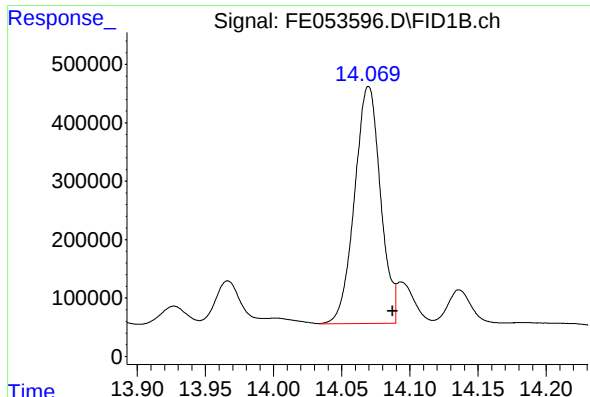
#11 n-Heneicosane (C21)

R.T.: 13.482 min
Delta R.T.: -0.017 min
Response: 5632706
Conc: 38.89 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.313 min
Delta R.T.: -0.017 min
Response: 4753254
Conc: 35.16 ug/ml



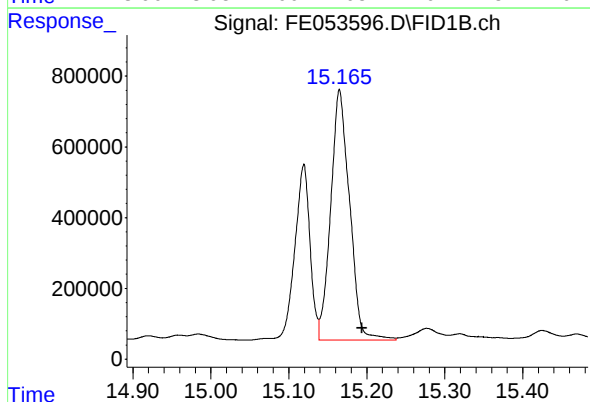
#13 n-Docosane (C22)

R.T.: 14.069 min
Delta R.T.: -0.018 min
Response: 5376328
Conc: 37.26 ug/ml

Instrument :
FID_E
ClientSampleId :
MH-FMSD

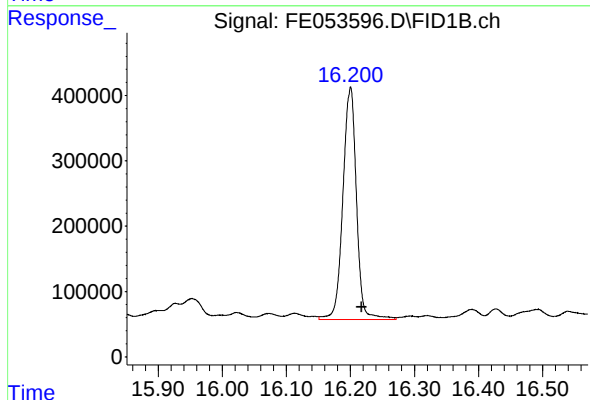
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/01/2025
Supervised By :mohammad ahmed 05/02/2025



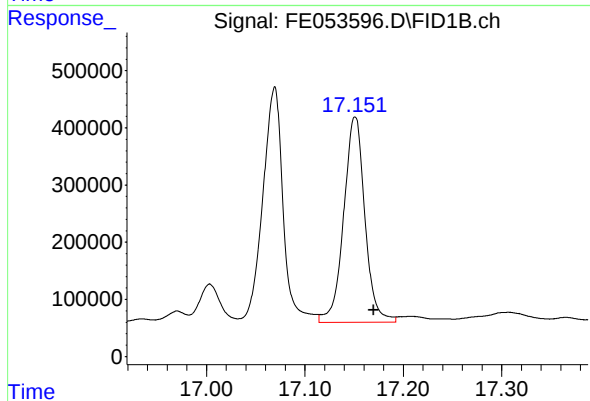
#14 n-Tetracosane (C24)

R.T.: 15.165 min
Delta R.T.: -0.029 min
Response: 11857889
Conc: 82.55 ug/ml



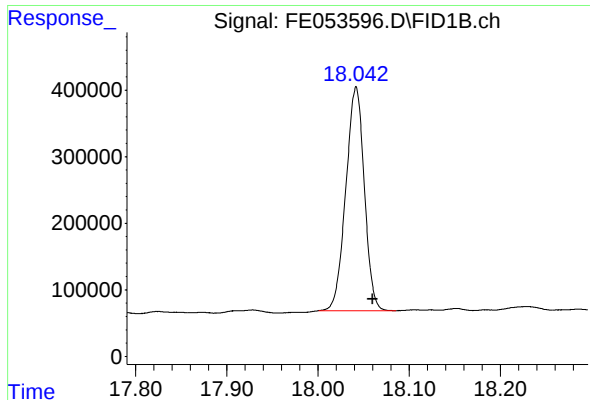
#15 n-Hexacosane (C26)

R.T.: 16.200 min
Delta R.T.: -0.018 min
Response: 5226074
Conc: 36.90 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.151 min
Delta R.T.: -0.019 min
Response: 5386133
Conc: 38.71 ug/ml



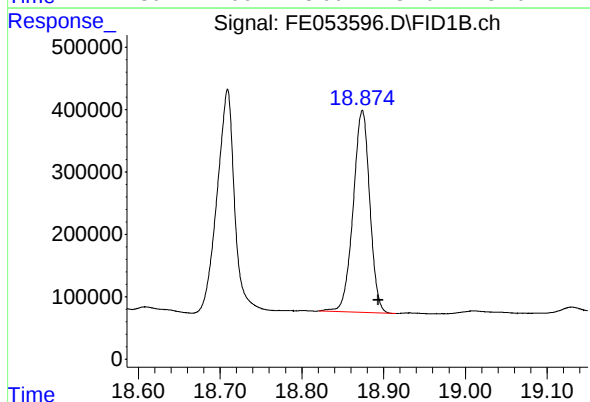
#17 n-Tricontane (C30)

R.T.: 18.041 min
Delta R.T.: -0.018 min
Response: 4732378
Conc: 34.00 ug/ml

Instrument :
FID_E
ClientSampleId :
MH-FMSD

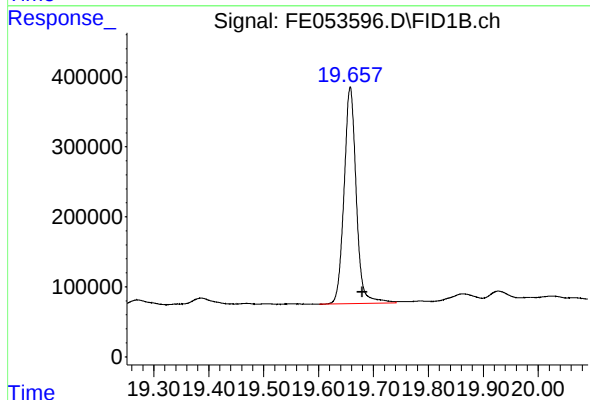
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/01/2025
Supervised By :mohammad ahmed 05/02/2025



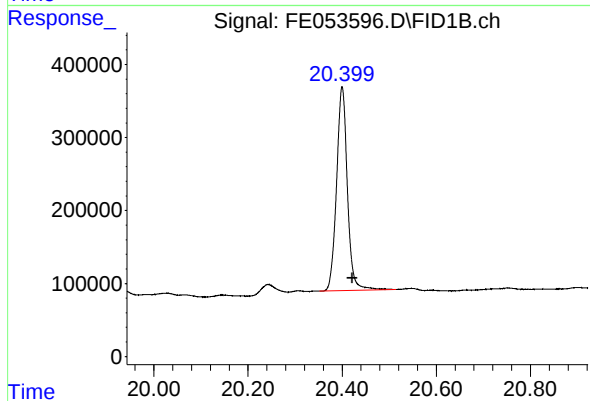
#18 n-Dotriacontane (C32)

R.T.: 18.874 min
Delta R.T.: -0.020 min
Response: 4573613
Conc: 33.31 ug/ml



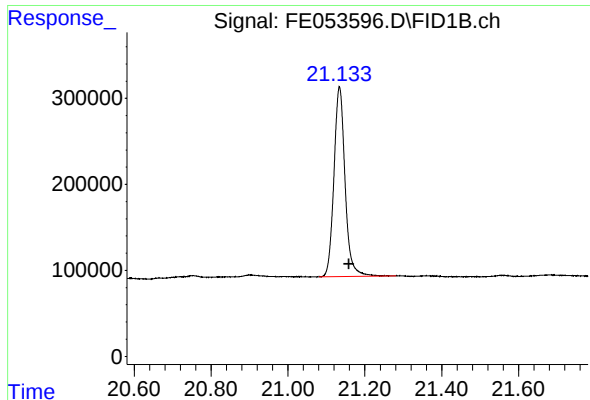
#19 n-Tetratriacontane (C34)

R.T.: 19.658 min
Delta R.T.: -0.022 min
Response: 4770857
Conc: 36.62 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.400 min
Delta R.T.: -0.022 min
Response: 4454304
Conc: 35.28 ug/ml



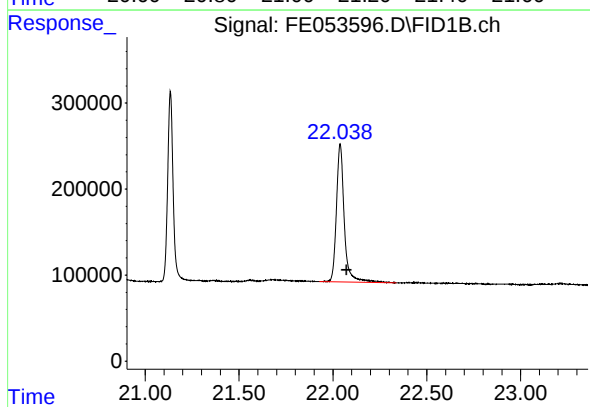
#21 n-Octatriacontane (C38)

R.T.: 21.134 min
Delta R.T.: -0.024 min
Response: 4428091
Conc: 36.35 ug/ml

Instrument :
FID_E
ClientSampleId :
MH-FMSD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/01/2025
Supervised By :mohammad ahmed 05/02/2025



#22 n-Tetracontane (C40)

R.T.: 22.038 min
Delta R.T.: -0.035 min
Response: 4667449
Conc: 39.08 ug/ml