

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062025AL\
 Data File : FE054523.D
 Signal(s) : FID1B.ch
 Acq On : 20 Jun 2025 16:51
 Operator : YP\AJ
 Sample : Q2362-01MSD
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

TP-11MSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/23/2025

Supervised By :mohammad ahmed 06/24/2025

Integration File: autoint1.e

Quant Time: Jun 20 23:24:56 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M

Quant Title : GC Extractables

QLast Update : Tue Jun 10 07:24:04 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)	11.823	5949296	36.005 ug/ml
Spiked Amount 50.000		Recovery =	72.01%
12) S 1-chlorooctadecane (S...	13.266	4765795	39.080 ug/mlm
Spiked Amount 50.000		Recovery =	78.16%
Target Compounds			
1) T n-Nonane (C9)	3.173	3386761	27.273 ug/ml
2) T n-Decane (C10)	4.435	3721114	29.948 ug/ml
3) T A~Naphthalene (C11.7)	6.148	4826157	35.712 ug/ml
4) T n-Dodecane (C12)	6.616	4148232	32.578 ug/ml
5) T A~2-methylnaphthalene...	7.250	4589787	34.652 ug/ml
6) T n-Tetradecane (C14)	8.451	4610485	35.612 ug/ml
7) T n-Hexadecane (C16)	10.063	5140643	38.698 ug/ml
8) T n-Octadecane (C18)	11.510	5372359	39.786 ug/ml
10) T n-Eicosane (C20)	12.823	5617165	41.989 ug/ml
11) T n-Heneicosane (C21)	13.435	5384252	40.493 ug/ml
13) T n-Docosane (C22)	14.023	5329337	40.644 ug/ml
14) T n-Tetracosane (C24)	15.124	11603851	89.957 ug/ml
15) T n-Hexacosane (C26)	16.152	5165229	41.148 ug/ml
16) T n-Octacosane (C28)	17.102	5539436	45.172 ug/mlm
17) T n-Tricontane (C30)	17.993	5045766	40.711 ug/ml
18) T n-Dotriacontane (C32)	18.826	5272598	41.964 ug/mlm
19) T n-Tetratriacontane (C34)	19.610	5208489	41.867 ug/mlm
20) T n-Hexatriacontane (C36)	20.350	5318051	41.311 ug/mlm
21) T n-Octatriacontane (C38)	21.078	5404660	40.932 ug/ml
22) T n-Tetracontane (C40)	21.965	5285424	39.237 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062025AL\
Data File : FE054523.D
Signal(s) : FID1B.ch
Acq On : 20 Jun 2025 16:51
Operator : YP\AJ
Sample : Q2362-01MSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

TP-11MSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/23/2025

Supervised By :mohammad ahmed 06/24/2025

Integration File: autoint1.e

Quant Time: Jun 20 23:24:56 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.

Quant Title : GC Extractables

QLast Update : Tue Jun 10 07:24:04 2025

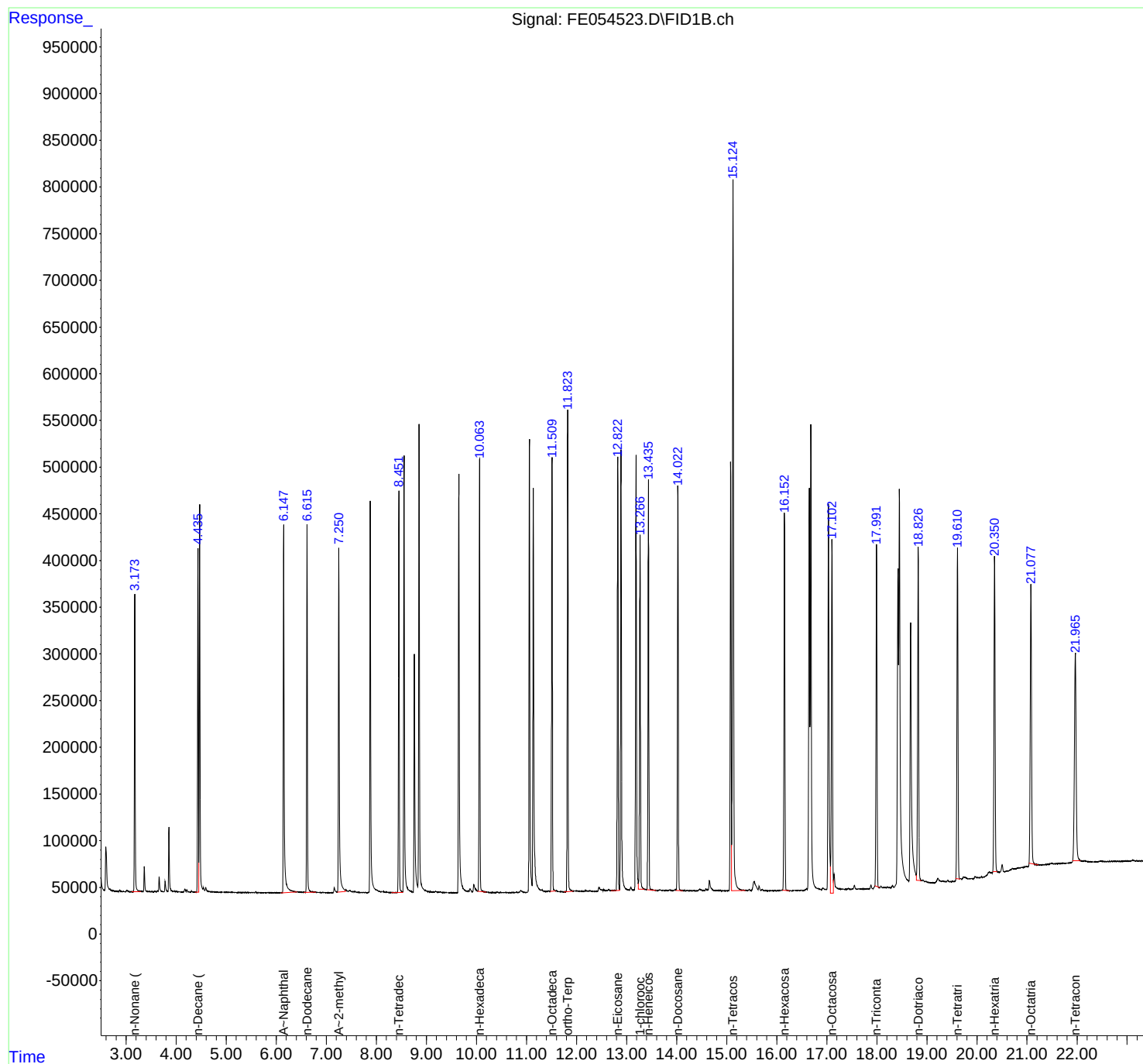
Response via : Initial Calibration

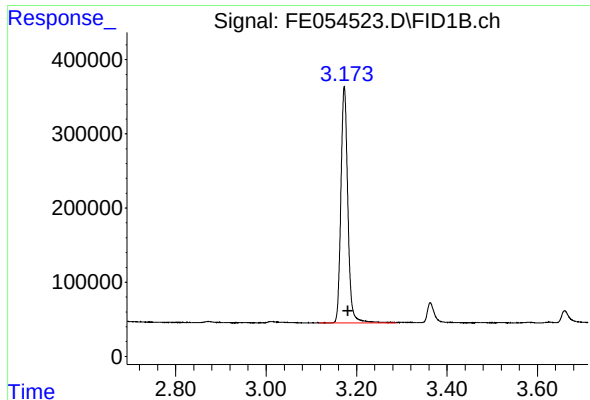
Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um





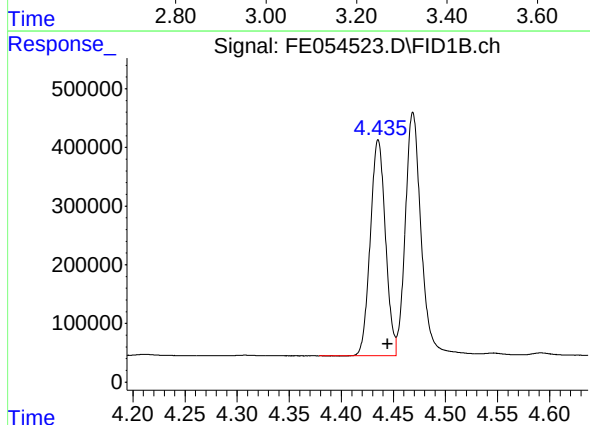
#1 n-Nonane (C9)

R.T.: 3.173 min
Delta R.T.: -0.008 min
Response: 3386761
Conc: 27.27 ug/ml

Instrument :
FID_E
ClientSampleId :
TP-11MSD

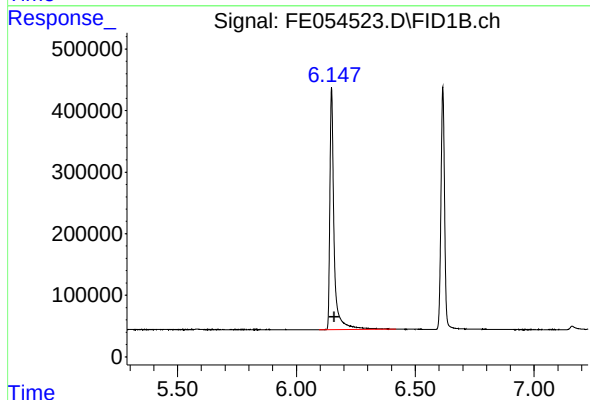
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/23/2025
Supervised By :mohammad ahmed 06/24/2025



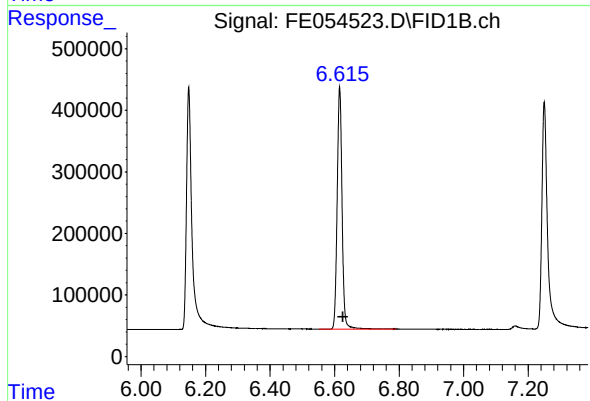
#2 n-Decane (C10)

R.T.: 4.435 min
Delta R.T.: -0.009 min
Response: 3721114
Conc: 29.95 ug/ml



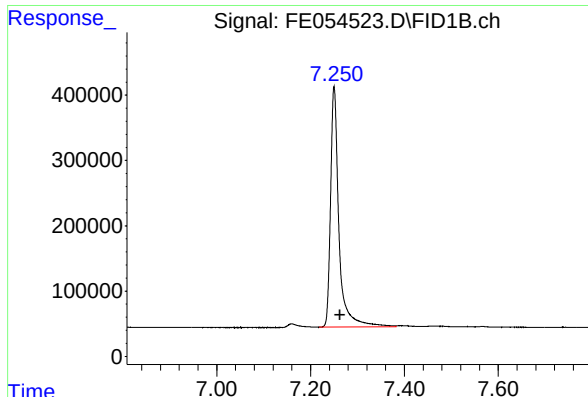
#3 A~Naphthalene (C11.7)

R.T.: 6.148 min
Delta R.T.: -0.012 min
Response: 4826157
Conc: 35.71 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.616 min
Delta R.T.: -0.011 min
Response: 4148232
Conc: 32.58 ug/ml



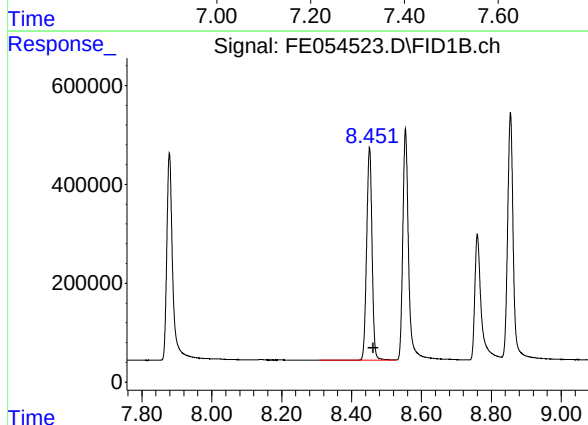
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.250 min
Delta R.T.: -0.012 min
Response: 4589787
Conc: 34.65 ug/ml

Instrument :
FID_E
ClientSampleId :
TP-11MSD

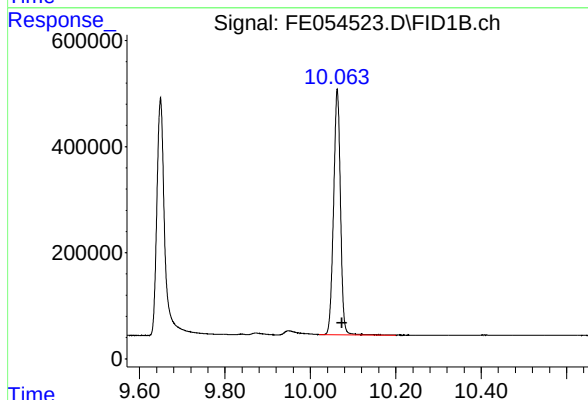
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/23/2025
Supervised By :mohammad ahmed 06/24/2025



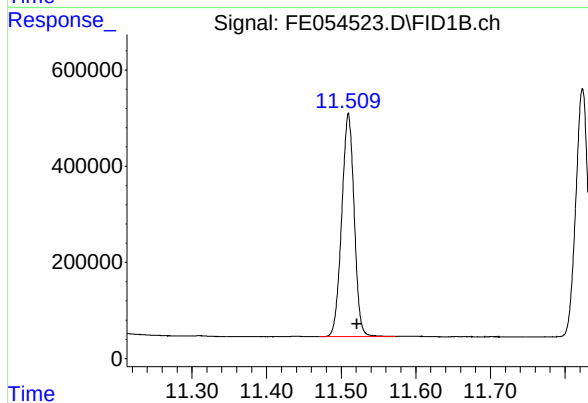
#6 n-Tetradecane (C14)

R.T.: 8.451 min
Delta R.T.: -0.010 min
Response: 4610485
Conc: 35.61 ug/ml



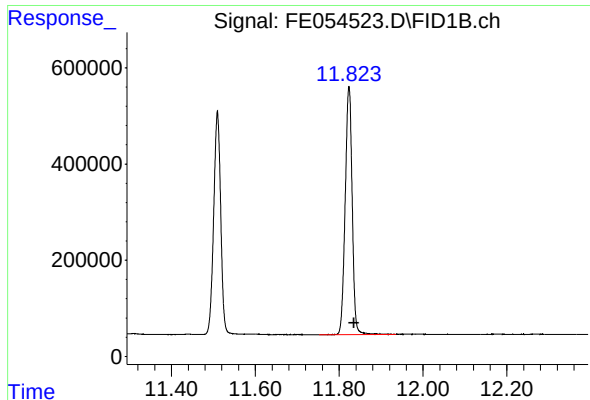
#7 n-Hexadecane (C16)

R.T.: 10.063 min
Delta R.T.: -0.012 min
Response: 5140643
Conc: 38.70 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.510 min
Delta R.T.: -0.011 min
Response: 5372359
Conc: 39.79 ug/ml



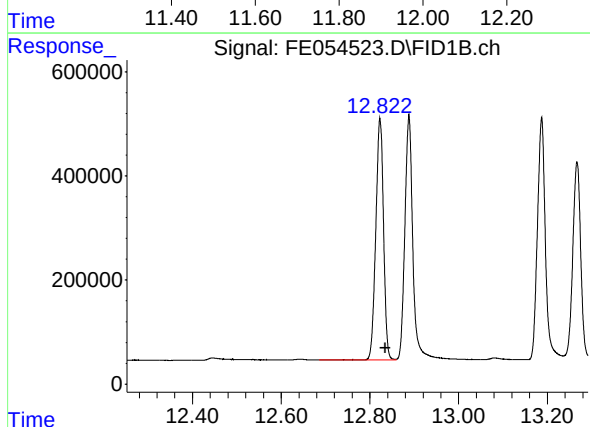
#9 ortho-Terphenyl (SURR)

R.T.: 11.823 min
Delta R.T.: -0.012 min
Response: 5949296
Conc: 36.00 ug/ml

Instrument :
FID_E
ClientSampleId :
TP-11MSD

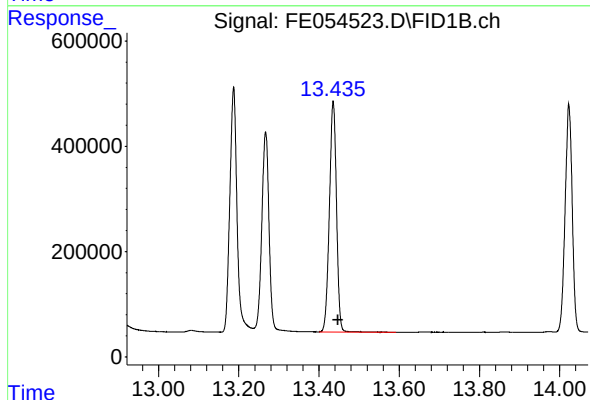
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/23/2025
Supervised By :mohammad ahmed 06/24/2025



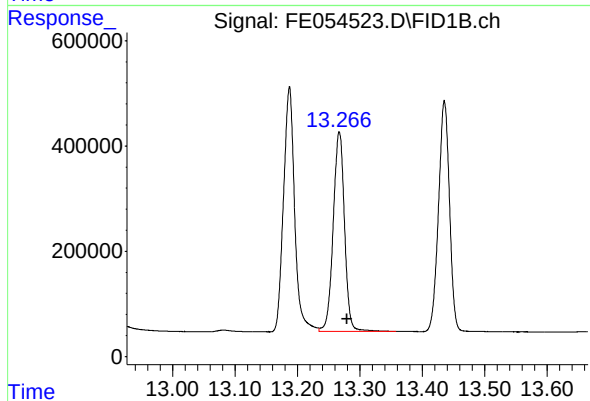
#10 n-Eicosane (C20)

R.T.: 12.823 min
Delta R.T.: -0.012 min
Response: 5617165
Conc: 41.99 ug/ml



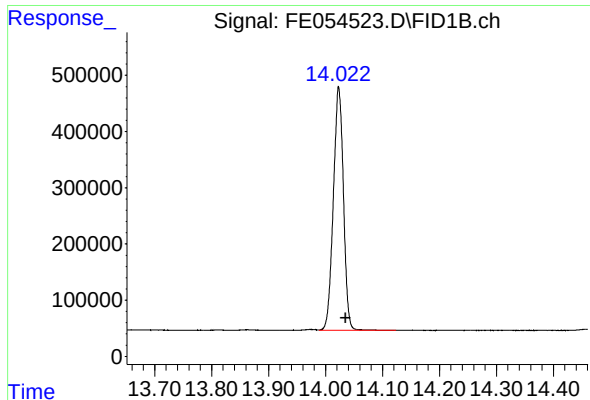
#11 n-Heneicosane (C21)

R.T.: 13.435 min
Delta R.T.: -0.012 min
Response: 5384252
Conc: 40.49 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.266 min
Delta R.T.: -0.013 min
Response: 4765795
Conc: 39.08 ug/ml m



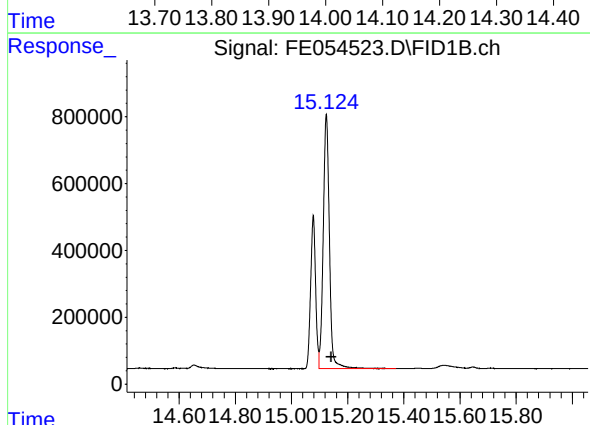
#13 n-Docosane (C22)

R.T.: 14.023 min
Delta R.T.: -0.012 min
Response: 5329337
Conc: 40.64 ug/ml

Instrument :
FID_E
ClientSampleId :
TP-11MSD

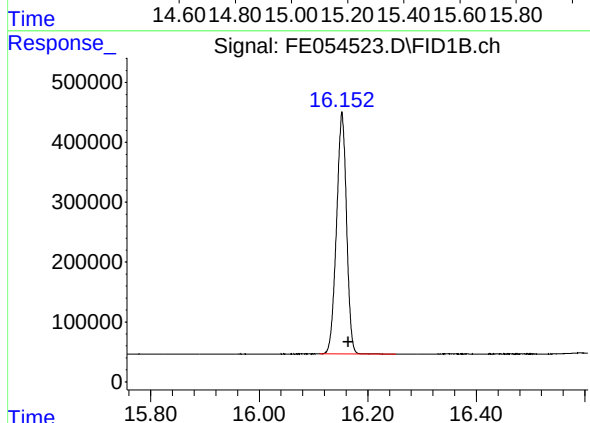
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/23/2025
Supervised By :mohammad ahmed 06/24/2025



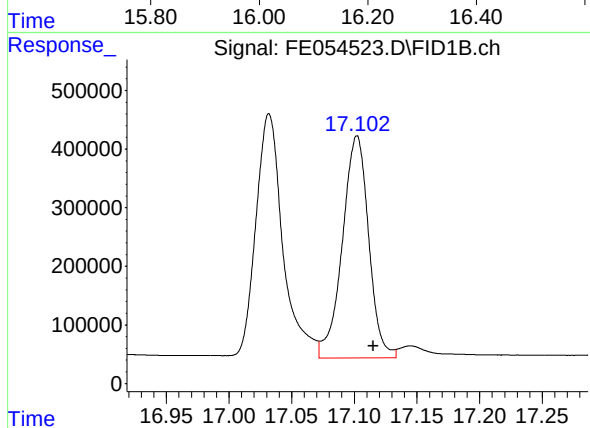
#14 n-Tetracosane (C24)

R.T.: 15.124 min
Delta R.T.: -0.017 min
Response: 11603851
Conc: 89.96 ug/ml



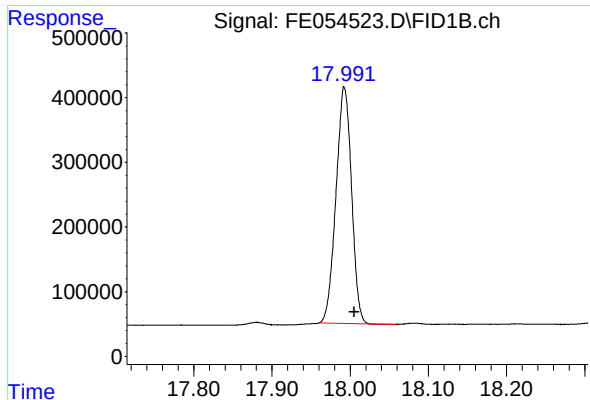
#15 n-Hexacosane (C26)

R.T.: 16.152 min
Delta R.T.: -0.012 min
Response: 5165229
Conc: 41.15 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.102 min
Delta R.T.: -0.013 min
Response: 5539436
Conc: 45.17 ug/ml m



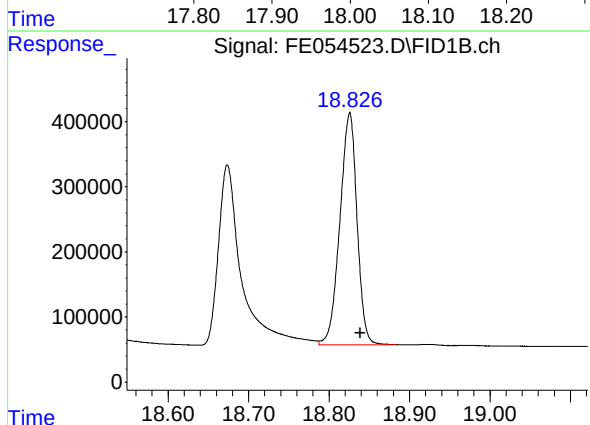
#17 n-Tricontane (C30)

R.T.: 17.993 min
Delta R.T.: -0.013 min
Response: 5045766
Conc: 40.71 ug/ml

Instrument :
FID_E
ClientSampleId :
TP-11MSD

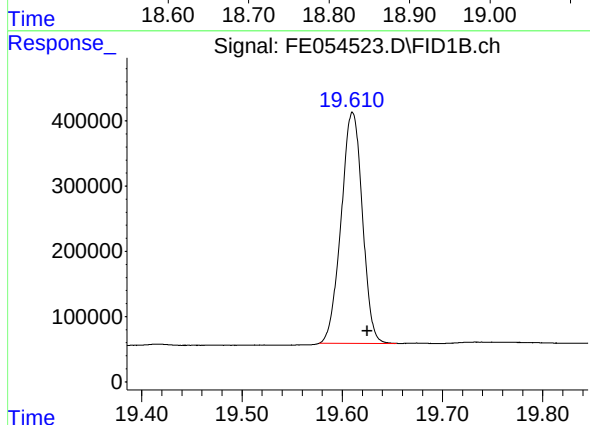
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/23/2025
Supervised By :mohammad ahmed 06/24/2025



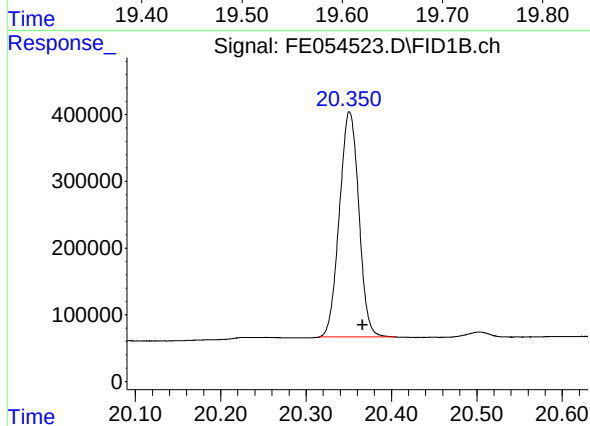
#18 n-Dotriacontane (C32)

R.T.: 18.826 min
Delta R.T.: -0.013 min
Response: 5272598
Conc: 41.96 ug/ml m



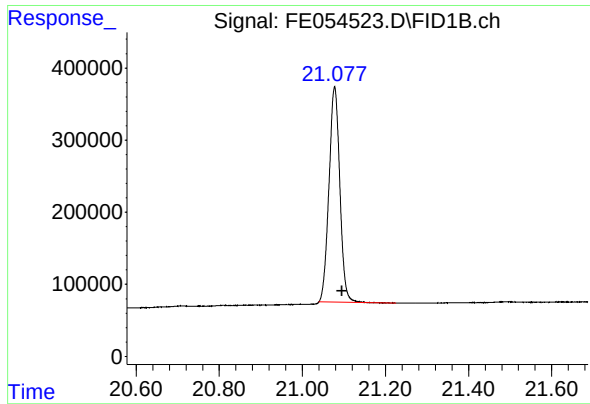
#19 n-Tetratriacontane (C34)

R.T.: 19.610 min
Delta R.T.: -0.016 min
Response: 5208489
Conc: 41.87 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.350 min
Delta R.T.: -0.016 min
Response: 5318051
Conc: 41.31 ug/ml m



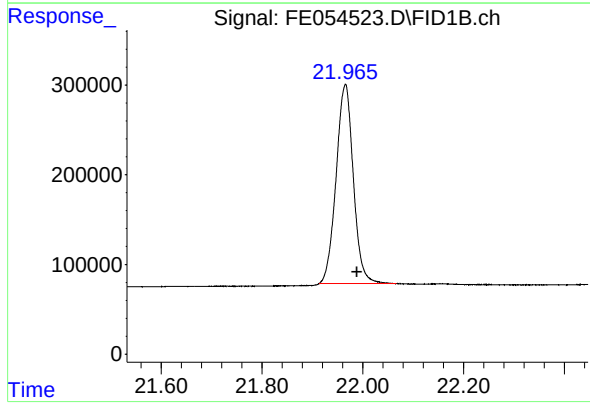
#21 n-Octatriacontane (C38)

R.T.: 21.078 min
Delta R.T.: -0.018 min
Response: 5404660
Conc: 40.93 ug/ml

Instrument :
FID_E
ClientSampleId :
TP-11MSD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/23/2025
Supervised By :mohammad ahmed 06/24/2025



#22 n-Tetracontane (C40)

R.T.: 21.965 min
Delta R.T.: -0.023 min
Response: 5285424
Conc: 39.24 ug/ml m