

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE021125AL\
 Data File : FE052356.D
 Signal(s) : FID1B.ch
 Acq On : 12 Feb 2025 01:14
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/12/2025
 Supervised By :Ankita Jodhani 02/12/2025

Integration File: autoint1.e
 Quant Time: Feb 12 01:51:58 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
 Quant Title : GC Extractables
 QLast Update : Fri Feb 07 07:52:07 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)	12.325	2393851	19.341 ug/ml
Spiked Amount 50.000		Recovery =	38.68%
12) S 1-chlorooctadecane (S...	13.736	1852793	18.774 ug/ml
Spiked Amount 50.000		Recovery =	37.55%
Target Compounds			
1) T n-Nonane (C9)	3.793	1797099	19.240 ug/ml
2) T n-Decane (C10)	5.020	1922931	20.024 ug/ml
3) T A~Naphthalene (C11.7)	6.723	2183439	20.430 ug/ml
4) T n-Dodecane (C12)	7.149	2015185	20.331 ug/ml
5) T A~2-methylnaphthalene...	7.804	2150434	20.533 ug/ml
6) T n-Tetradecane (C14)	8.956	2054858	20.363 ug/ml
7) T n-Hexadecane (C16)	10.552	2168410	19.982 ug/ml
8) T n-Octadecane (C18)	11.985	2224293	19.580 ug/mlm
10) T n-Eicosane (C20)	13.288	2152121	19.070 ug/ml
11) T n-Heneicosane (C21)	13.898	2118566	18.813 ug/ml
13) T n-Docosane (C22)	14.480	2110219	18.643 ug/mlm
14) T n-Tetracosane (C24)	15.579	2093337	18.206 ug/ml
15) T n-Hexacosane (C26)	16.595	2041336	17.800 ug/ml
16) T n-Octacosane (C28)	17.540	2018215	17.837 ug/ml
17) T n-Tricontane (C30)	18.424	2086816	18.314 ug/ml
18) T n-Dotriacontane (C32)	19.252	2073050	19.014 ug/ml
19) T n-Tetratriacontane (C34)	20.033	1800222	18.975 ug/ml
20) T n-Hexatriacontane (C36)	20.770	1553329	18.799 ug/mlm
21) T n-Octatriacontane (C38)	21.586	1487381	20.021 ug/mlm
22) T n-Tetracontane (C40)	22.633	1605712	21.537 ug/mlm

(f)=RT Delta > 1/2 Window

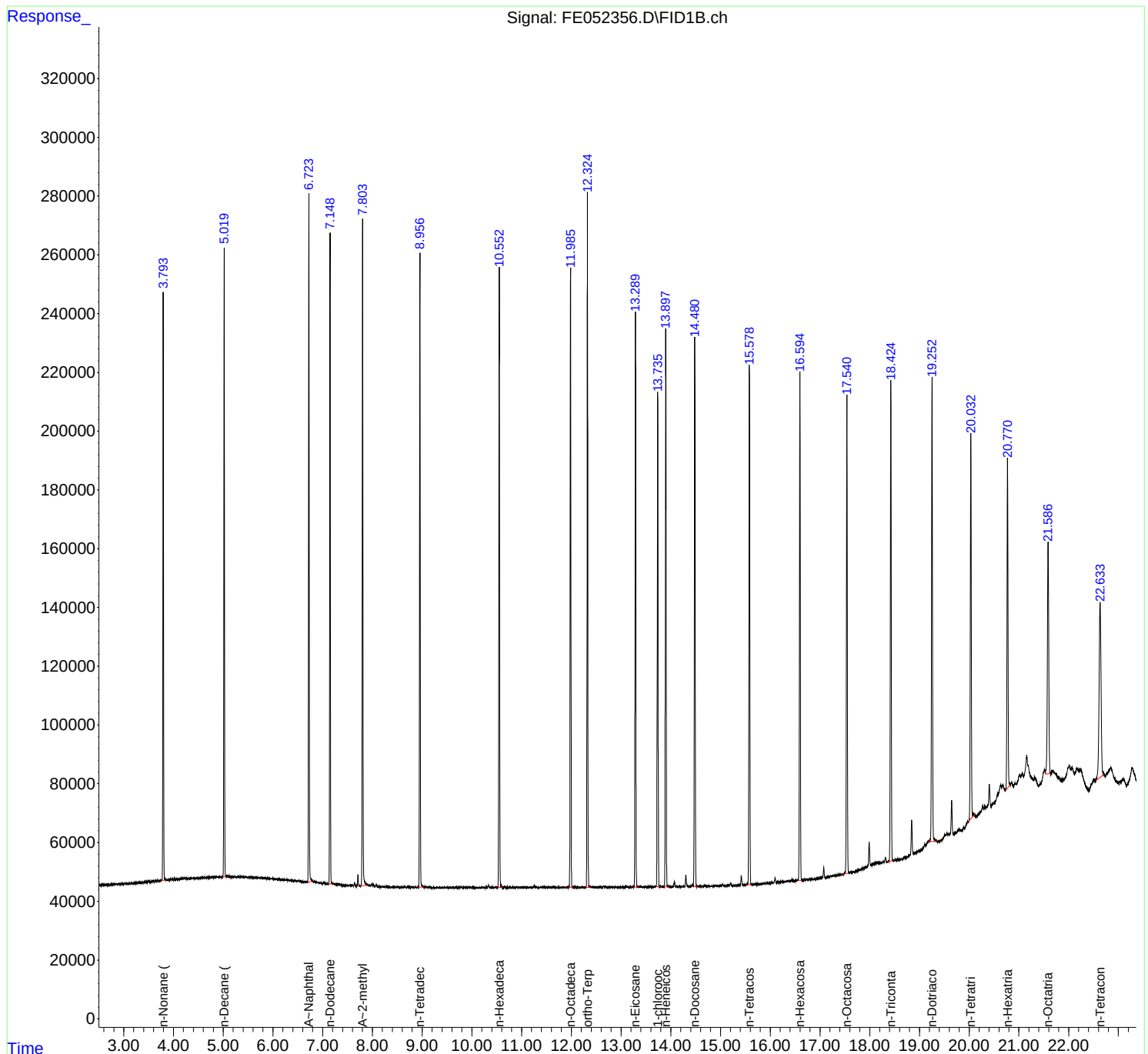
(m)=manual int.

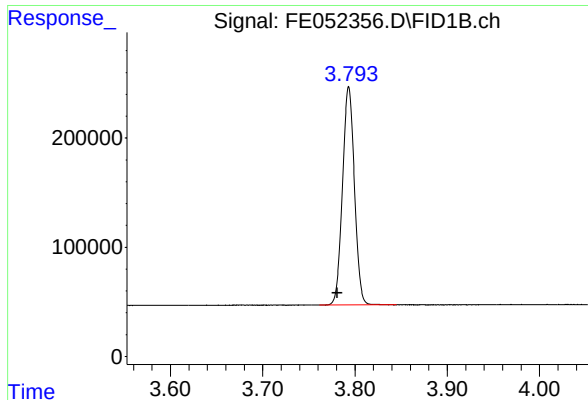
Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/12/2025
Supervised By :Ankita Jodhani 02/12/2025

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





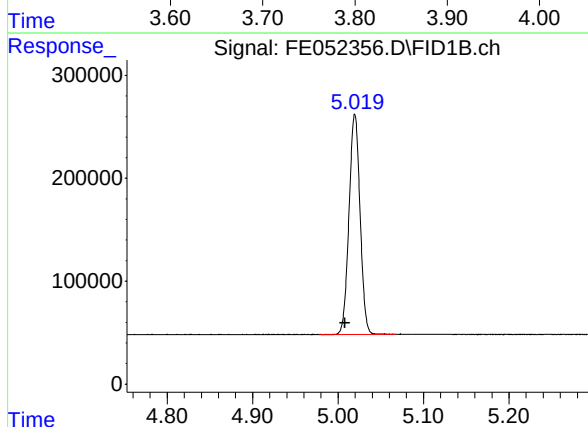
#1 n-Nonane (C9)

R.T.: 3.793 min
Delta R.T.: 0.012 min
Response: 1797099
Conc: 19.24 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

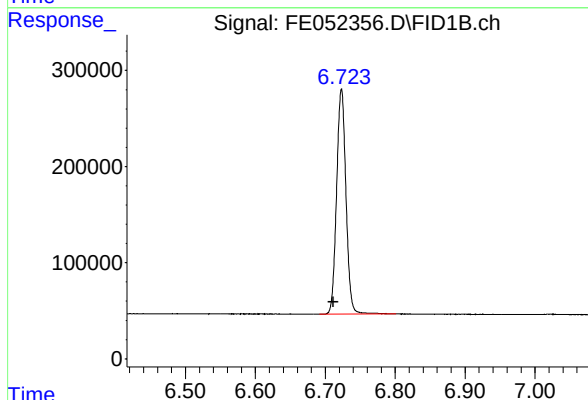
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/12/2025
Supervised By :Ankita Jodhani 02/12/2025



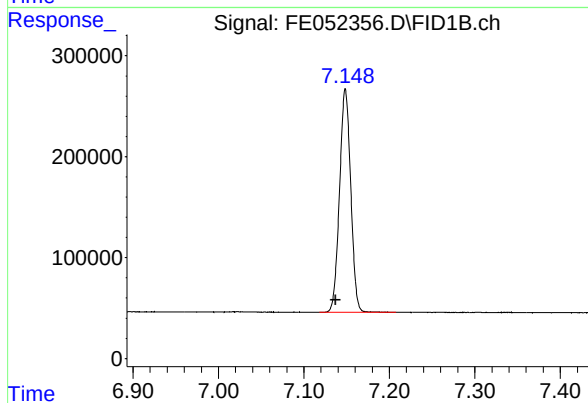
#2 n-Decane (C10)

R.T.: 5.020 min
Delta R.T.: 0.012 min
Response: 1922931
Conc: 20.02 ug/ml



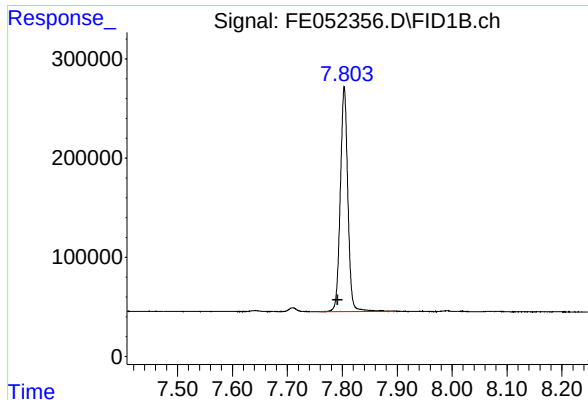
#3 A~Naphthalene (C11.7)

R.T.: 6.723 min
Delta R.T.: 0.012 min
Response: 2183439
Conc: 20.43 ug/ml



#4 n-Dodecane (C12)

R.T.: 7.149 min
Delta R.T.: 0.011 min
Response: 2015185
Conc: 20.33 ug/ml



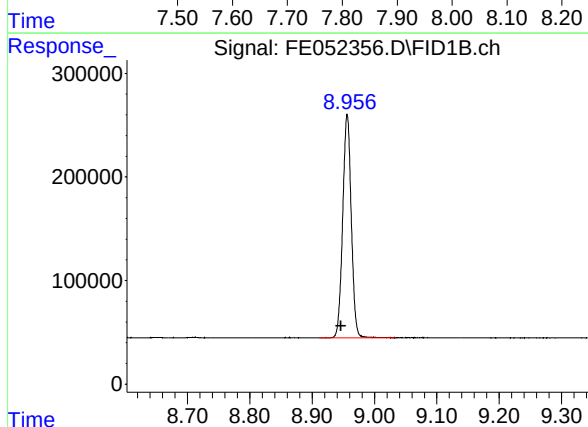
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.804 min
Delta R.T.: 0.012 min
Response: 2150434
Conc: 20.53 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

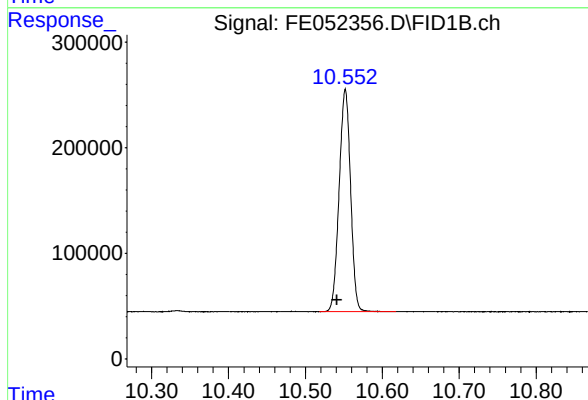
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/12/2025
Supervised By :Ankita Jodhani 02/12/2025



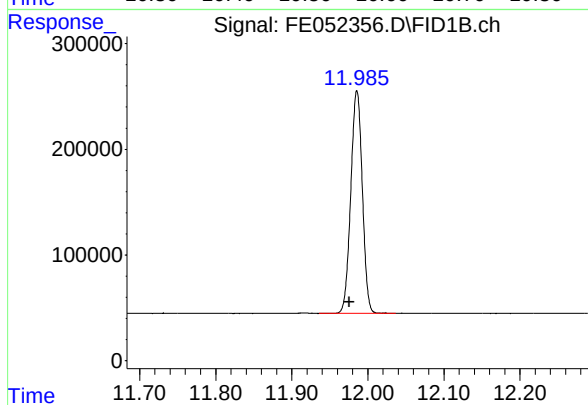
#6 n-Tetradecane (C14)

R.T.: 8.956 min
Delta R.T.: 0.010 min
Response: 2054858
Conc: 20.36 ug/ml



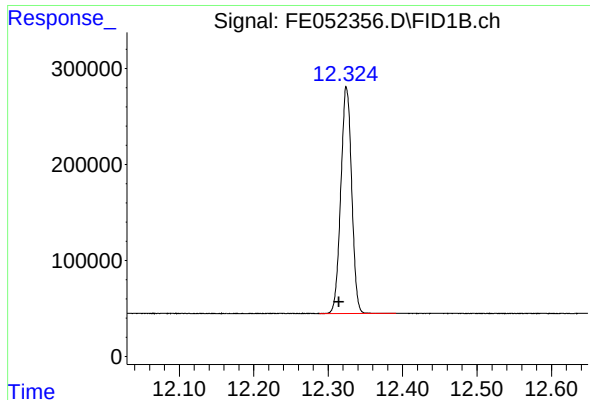
#7 n-Hexadecane (C16)

R.T.: 10.552 min
Delta R.T.: 0.011 min
Response: 2168410
Conc: 19.98 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.985 min
Delta R.T.: 0.010 min
Response: 2224293
Conc: 19.58 ug/ml m



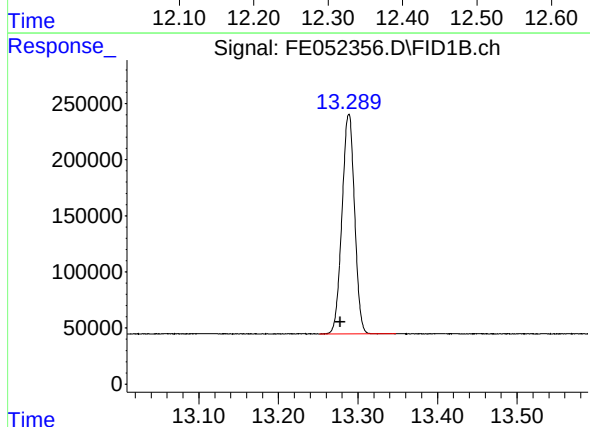
#9 ortho-Terphenyl (SURR)

R.T.: 12.325 min
Delta R.T.: 0.010 min
Response: 2393851
Conc: 19.34 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

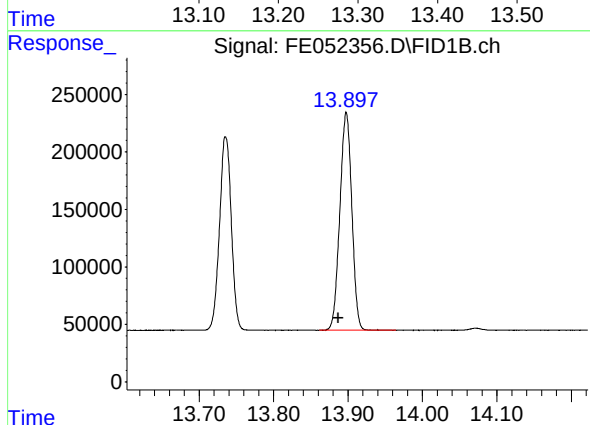
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/12/2025
Supervised By :Ankita Jodhani 02/12/2025



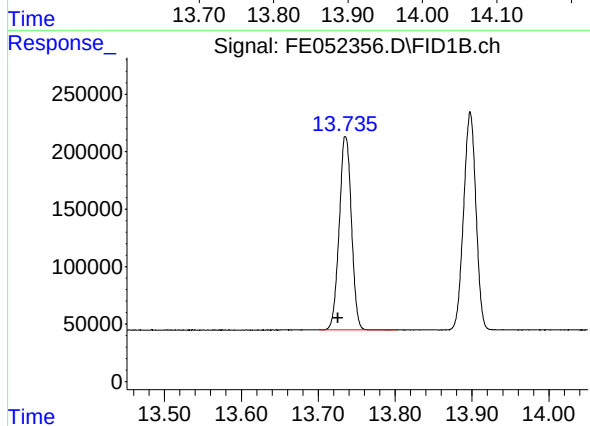
#10 n-Eicosane (C20)

R.T.: 13.288 min
Delta R.T.: 0.011 min
Response: 2152121
Conc: 19.07 ug/ml



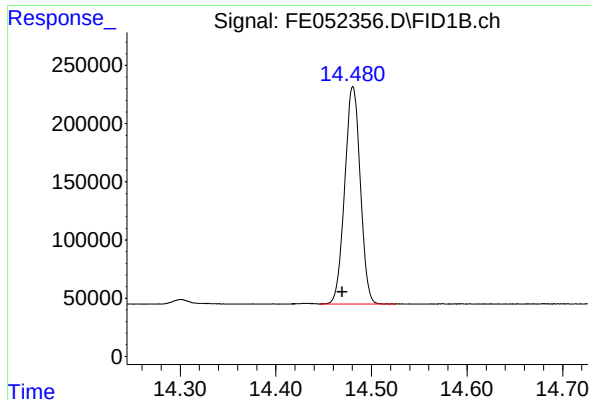
#11 n-Heneicosane (C21)

R.T.: 13.898 min
Delta R.T.: 0.011 min
Response: 2118566
Conc: 18.81 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.736 min
Delta R.T.: 0.010 min
Response: 1852793
Conc: 18.77 ug/ml



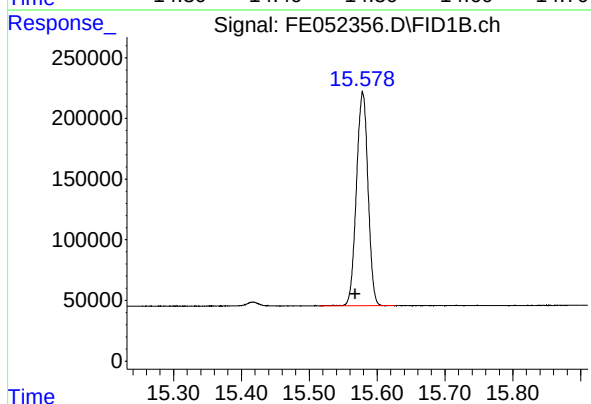
#13 n-Docosane (C22)

R.T.: 14.480 min
Delta R.T.: 0.010 min
Response: 2110219
Conc: 18.64 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

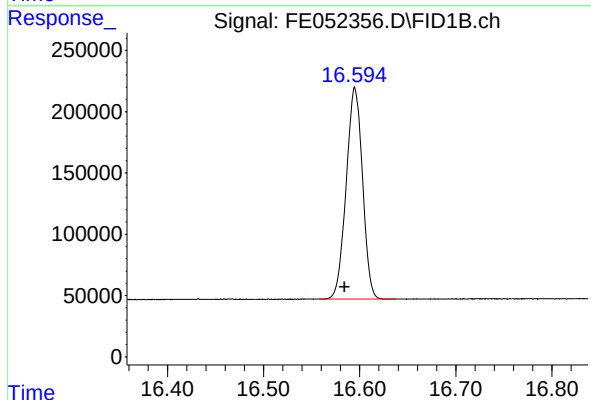
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/12/2025
Supervised By :Ankita Jodhani 02/12/2025



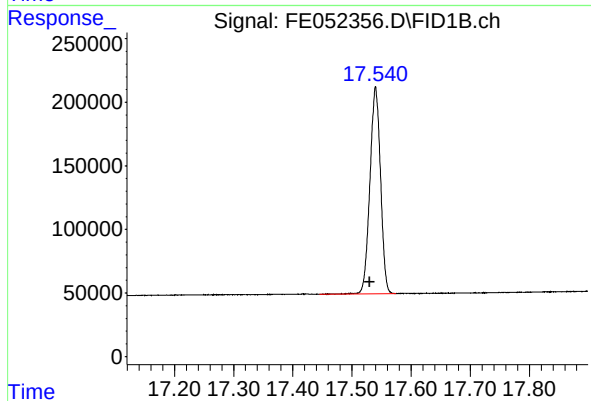
#14 n-Tetracosane (C24)

R.T.: 15.579 min
Delta R.T.: 0.011 min
Response: 2093337
Conc: 18.21 ug/ml



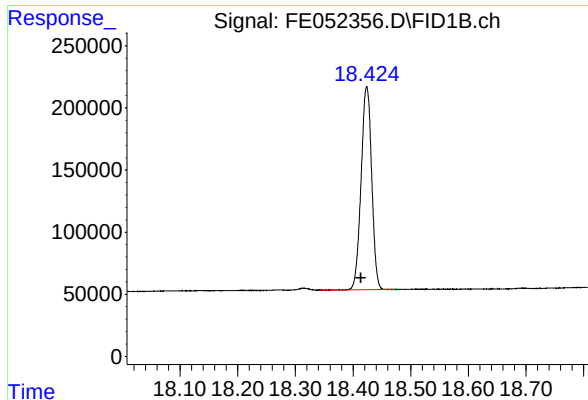
#15 n-Hexacosane (C26)

R.T.: 16.595 min
Delta R.T.: 0.011 min
Response: 2041336
Conc: 17.80 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.540 min
Delta R.T.: 0.010 min
Response: 2018215
Conc: 17.84 ug/ml



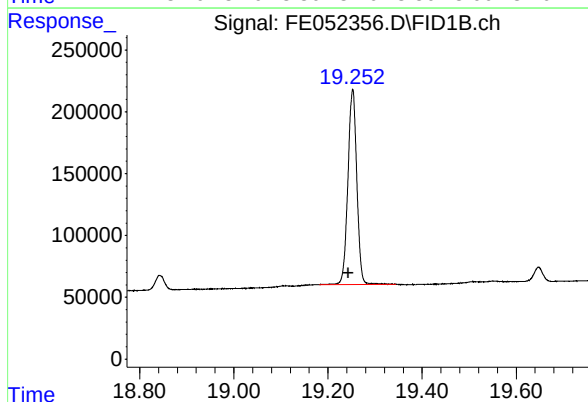
#17 n-Tricontane (C30)

R.T.: 18.424 min
Delta R.T.: 0.010 min
Response: 2086816
Conc: 18.31 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

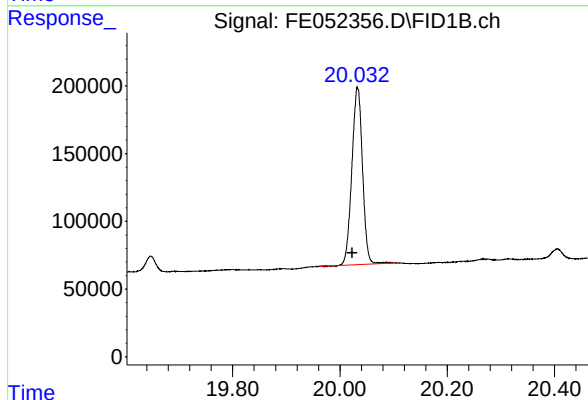
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/12/2025
Supervised By :Ankita Jodhani 02/12/2025



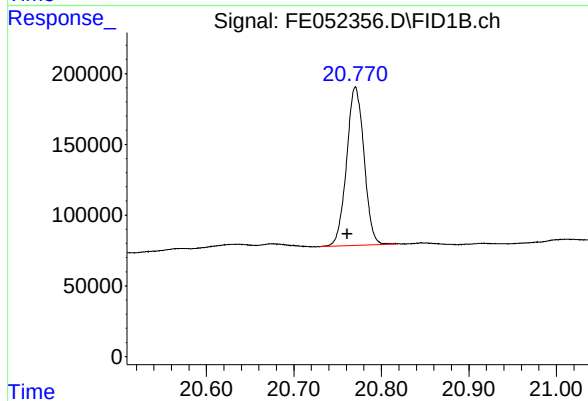
#18 n-Dotriacontane (C32)

R.T.: 19.252 min
Delta R.T.: 0.010 min
Response: 2073050
Conc: 19.01 ug/ml



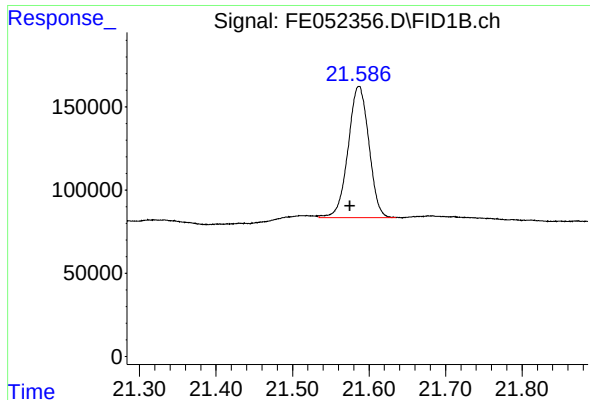
#19 n-Tetatriacontane (C34)

R.T.: 20.033 min
Delta R.T.: 0.010 min
Response: 1800222
Conc: 18.98 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.770 min
Delta R.T.: 0.009 min
Response: 1553329
Conc: 18.80 ug/ml m



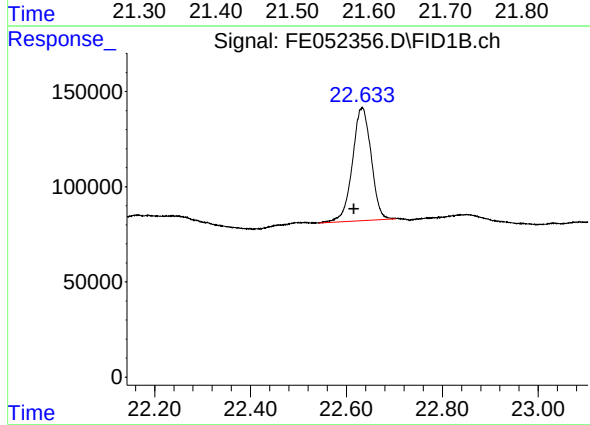
#21 n-Octatriacontane (C38)

R.T.: 21.586 min
Delta R.T.: 0.011 min
Response: 1487381
Conc: 20.02 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/12/2025
Supervised By :Ankita Jodhani 02/12/2025



#22 n-Tetracontane (C40)

R.T.: 22.633 min
Delta R.T.: 0.017 min
Response: 1605712
Conc: 21.54 ug/ml m