

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE122623AL\
 Data File : FE045955.D
 Signal(s) : FID1B.ch
 Acq On : 26 Dec 2023 09:16
 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 12/27/2023
 Supervised By :Ankita Jodhani 12/28/2023

Integration File: autoint1.e
 Quant Time: Dec 26 22:26:42 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 113023.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 30 12:25:07 2023
 Response via : Initial Calibration
 Integrator: ChemStation

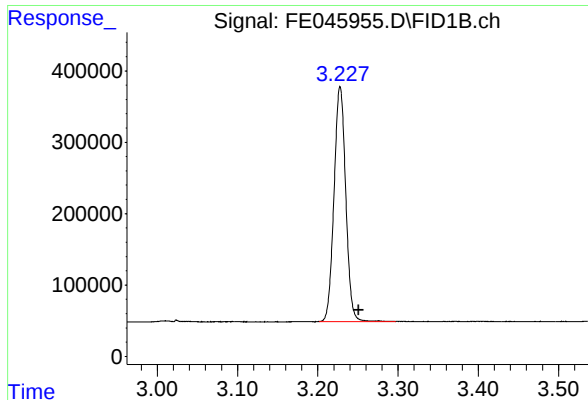
Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.845	4063041	19.430 ug/ml
Spiked Amount 50.000		Recovery =	38.86%
12) S 1-chlorooctadecane (S...	13.289	2995663	19.039 ug/ml
Spiked Amount 50.000		Recovery =	38.08%
Target Compounds			
1) T n-Nonane (C9)	3.228	3332827	21.017 ug/ml
2) T n-Decane (C10)	4.479	3390071	21.170 ug/ml
3) T A~Naphthalene (C11.7)	6.182	3666956	21.051 ug/ml
4) T n-Dodecane (C12)	6.647	3427553	21.220 ug/ml
5) T A~2-methylnaphthalene...	7.278	3574250	21.047 ug/ml
6) T n-Tetradecane (C14)	8.474	3397999	21.181 ug/ml
7) T n-Hexadecane (C16)	10.085	3480307	21.017 ug/ml
8) T n-Octadecane (C18)	11.531	3490862	20.361 ug/ml
10) T n-Eicosane (C20)	12.843	3365751	19.453 ug/ml
11) T n-Heneicosane (C21)	13.457	3297876	19.170 ug/ml
13) T n-Docosane (C22)	14.044	3241492	18.800 ug/ml
14) T n-Tetracosane (C24)	15.151	3154937	18.072 ug/ml
15) T n-Hexacosane (C26)	16.176	3085213	17.715 ug/ml
16) T n-Octacosane (C28)	17.129	3048317	17.637 ug/ml
17) T n-Tricontane (C30)	18.022	3169855	18.119 ug/ml
18) T n-Dotriacontane (C32)	18.856	3183616	17.451 ug/mlm
19) T n-Tetratriacontane (C34)	19.645	3138909	18.917 ug/ml
20) T n-Hexatriacontane (C36)	20.389	3056475	19.255 ug/ml
21) T n-Octatriacontane (C38)	21.126	3433612	21.895 ug/mlm
22) T n-Tetracontane (C40)	22.041	3361353	23.652 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.



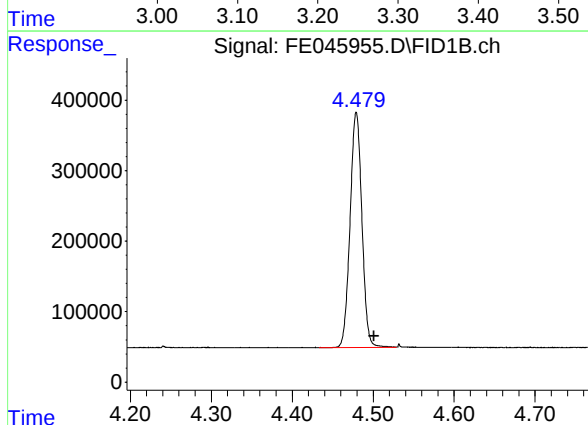
#1 n-Nonane (C9)

R.T.: 3.228 min
Delta R.T.: -0.023 min
Response: 3332827
Conc: 21.02 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

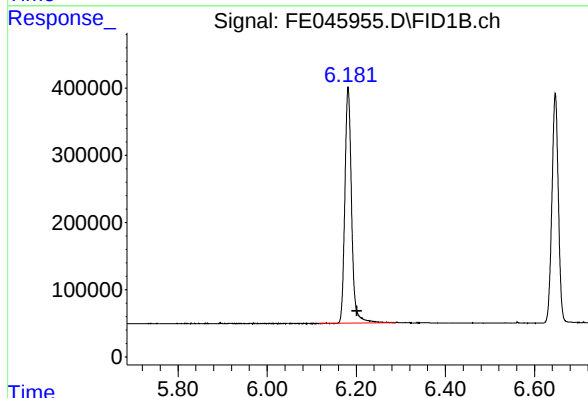
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2023
Supervised By :Ankita Jodhani 12/28/2023



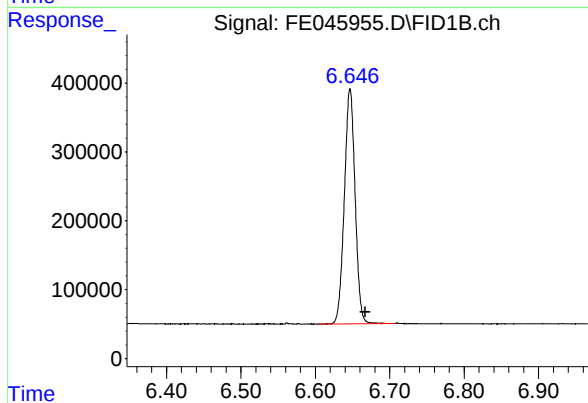
#2 n-Decane (C10)

R.T.: 4.479 min
Delta R.T.: -0.022 min
Response: 3390071
Conc: 21.17 ug/ml



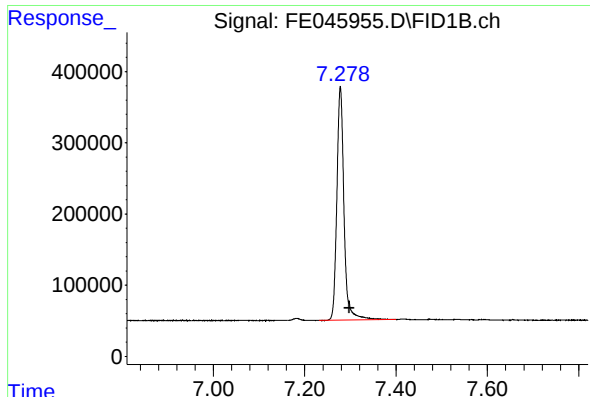
#3 A~Naphthalene (C11.7)

R.T.: 6.182 min
Delta R.T.: -0.020 min
Response: 3666956
Conc: 21.05 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.647 min
Delta R.T.: -0.020 min
Response: 3427553
Conc: 21.22 ug/ml



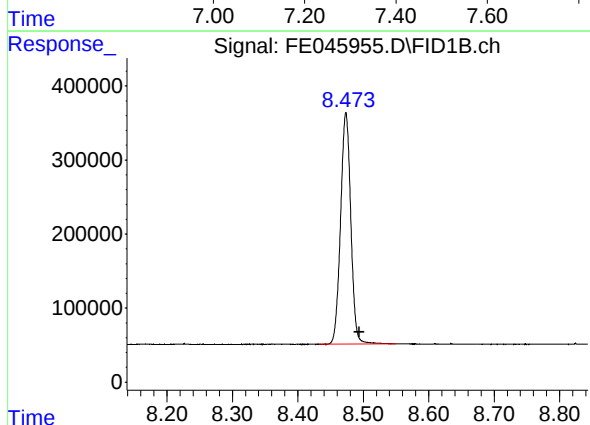
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.278 min
Delta R.T.: -0.019 min
Response: 3574250
Conc: 21.05 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

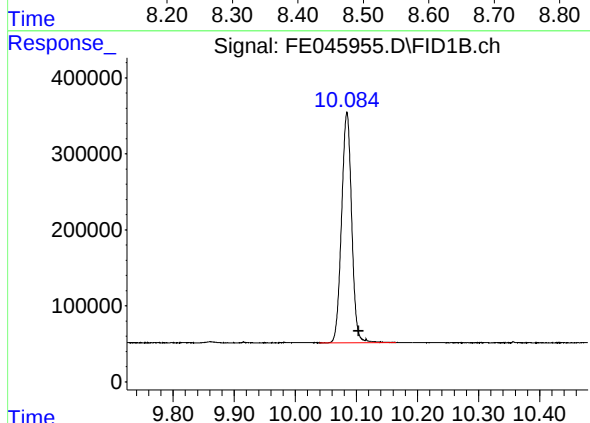
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2023
Supervised By :Ankita Jodhani 12/28/2023



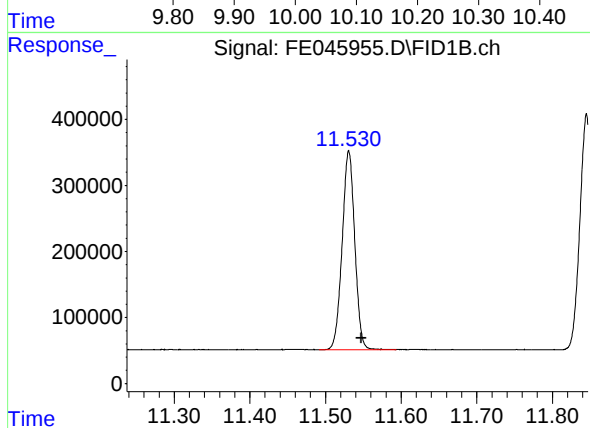
#6 n-Tetradecane (C14)

R.T.: 8.474 min
Delta R.T.: -0.021 min
Response: 3397999
Conc: 21.18 ug/ml



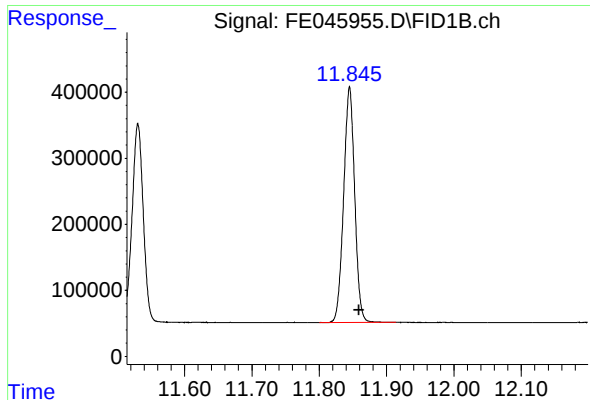
#7 n-Hexadecane (C16)

R.T.: 10.085 min
Delta R.T.: -0.019 min
Response: 3480307
Conc: 21.02 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.531 min
Delta R.T.: -0.016 min
Response: 3490862
Conc: 20.36 ug/ml



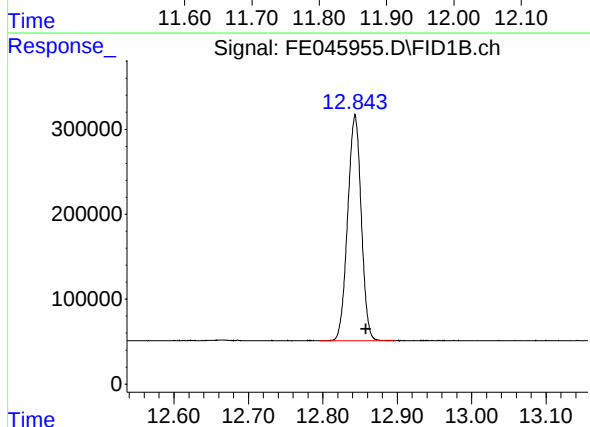
#9 ortho-Terphenyl (SURR)

R.T.: 11.845 min
Delta R.T.: -0.014 min
Response: 4063041
Conc: 19.43 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

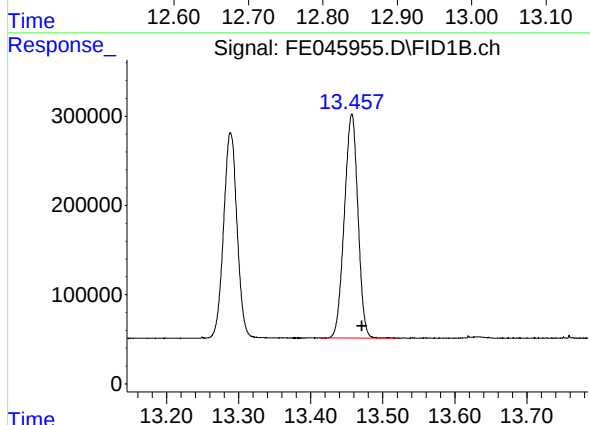
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2023
Supervised By :Ankita Jodhani 12/28/2023



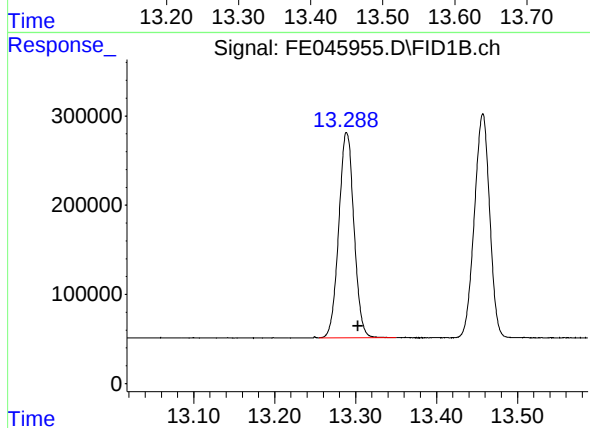
#10 n-Eicosane (C20)

R.T.: 12.843 min
Delta R.T.: -0.015 min
Response: 3365751
Conc: 19.45 ug/ml



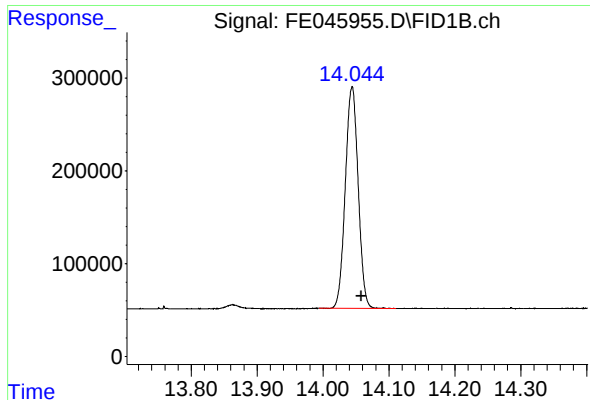
#11 n-Heneicosane (C21)

R.T.: 13.457 min
Delta R.T.: -0.014 min
Response: 3297876
Conc: 19.17 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.289 min
Delta R.T.: -0.014 min
Response: 2995663
Conc: 19.04 ug/ml



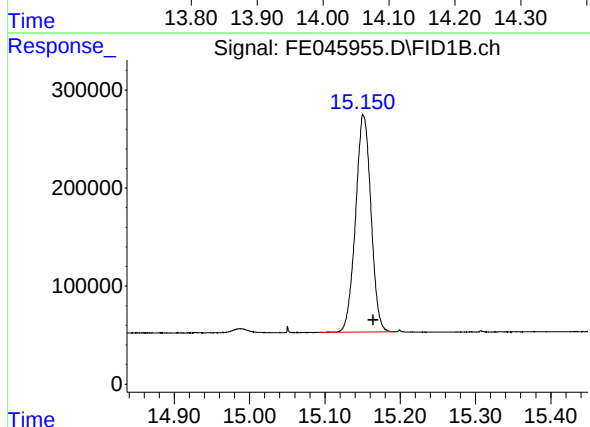
#13 n-Docosane (C22)

R.T.: 14.044 min
Delta R.T.: -0.014 min
Response: 3241492
Conc: 18.80 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

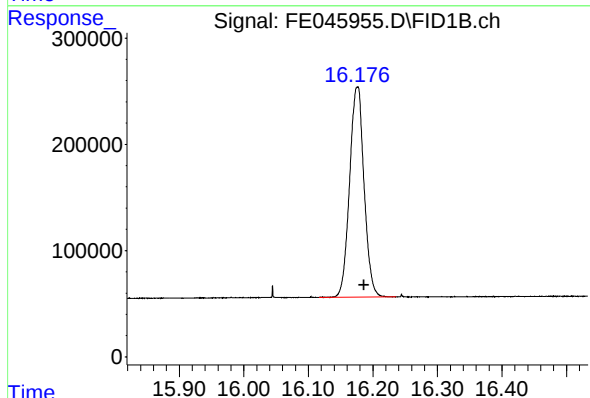
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2023
Supervised By :Ankita Jodhani 12/28/2023



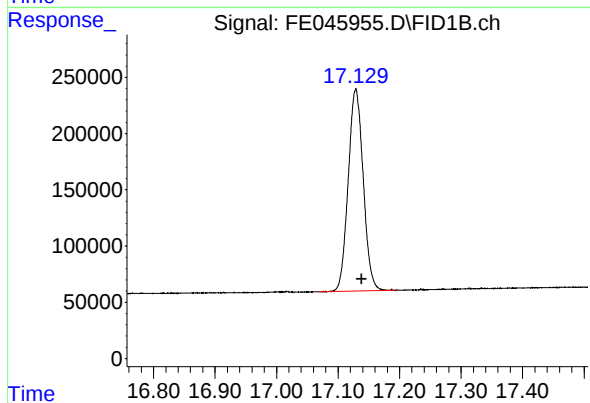
#14 n-Tetracosane (C24)

R.T.: 15.151 min
Delta R.T.: -0.013 min
Response: 3154937
Conc: 18.07 ug/ml



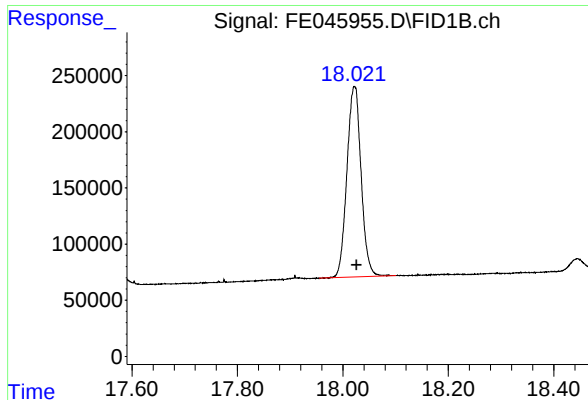
#15 n-Hexacosane (C26)

R.T.: 16.176 min
Delta R.T.: -0.010 min
Response: 3085213
Conc: 17.72 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.129 min
Delta R.T.: -0.009 min
Response: 3048317
Conc: 17.64 ug/ml



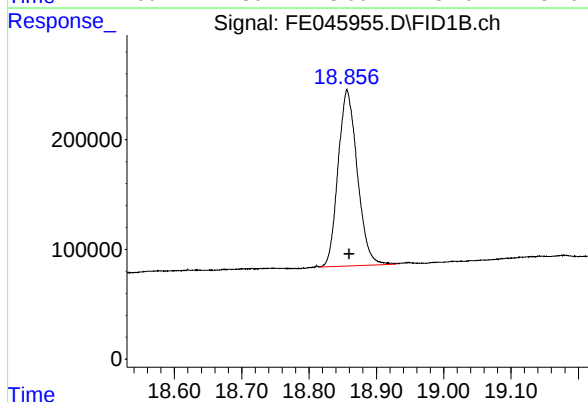
#17 n-Tricontane (C30)

R.T.: 18.022 min
Delta R.T.: -0.004 min
Response: 3169855
Conc: 18.12 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

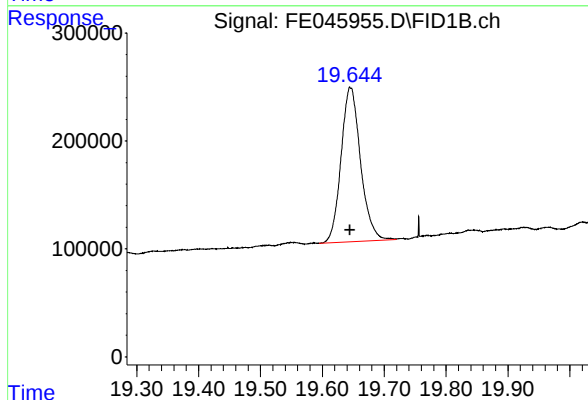
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2023
Supervised By :Ankita Jodhani 12/28/2023



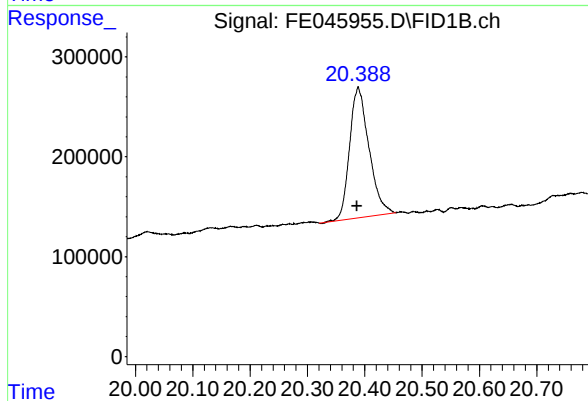
#18 n-Dotriacontane (C32)

R.T.: 18.856 min
Delta R.T.: -0.004 min
Response: 3183616
Conc: 17.45 ug/ml



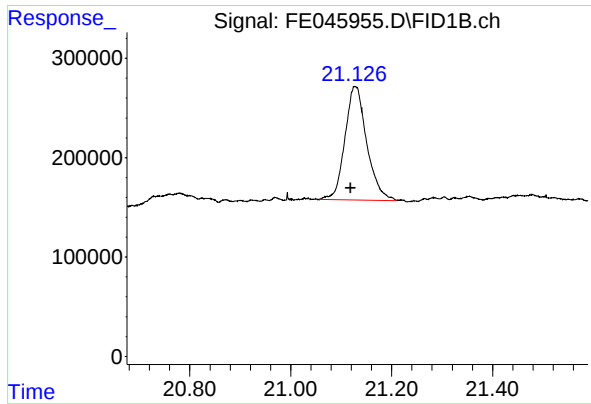
#19 n-Tetratriacontane (C34)

R.T.: 19.645 min
Delta R.T.: 0.000 min
Response: 3138909
Conc: 18.92 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.389 min
Delta R.T.: 0.002 min
Response: 3056475
Conc: 19.25 ug/ml



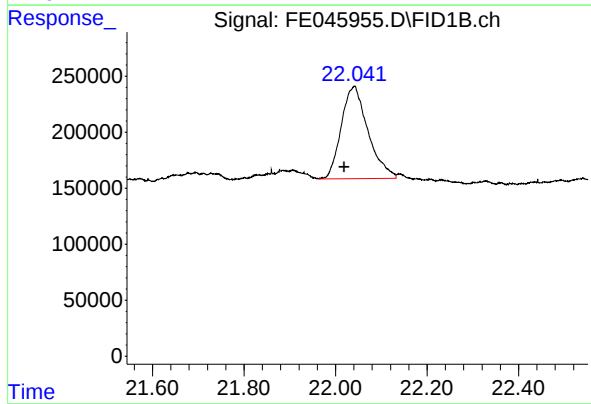
#21 n-Octatriacontane (C38)

R.T.: 21.126 min
Delta R.T.: 0.007 min
Response: 3433612
Conc: 21.90 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2023
Supervised By :Ankita Jodhani 12/28/2023



#22 n-Tetracontane (C40)

R.T.: 22.041 min
Delta R.T.: 0.022 min
Response: 3361353
Conc: 23.65 ug/ml m