

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032423AL\
 Data File : FE041001.D
 Signal(s) : FID1B.ch
 Acq On : 24 Mar 2023 13:40
 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 03/27/2023
 Supervised By :Ankita Jodhani 03/27/2023

Integration File: autoint1.e
 Quant Time: Mar 25 00:56:17 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 022823.M
 Quant Title : GC Extractables
 QLast Update : Tue Feb 28 03:05:09 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)	11.868	3500077	18.736 ug/ml
Spiked Amount 50.000		Recovery =	37.47%
12) S 1-chlorooctadecane (S...	13.307	2696861	18.221 ug/ml
Spiked Amount 50.000		Recovery =	36.44%
Target Compounds			
1) T n-Nonane (C9)	3.263	3227859	20.977 ug/ml
2) T n-Decane (C10)	4.511	3229534	21.466 ug/ml
3) T A~Naphthalene (C11.7)	6.214	3477730	20.967 ug/ml
4) T n-Dodecane (C12)	6.676	3271720	21.371 ug/ml
5) T A~2-methylnaphthalene...	7.310	3242877	21.427 ug/ml
6) T n-Tetradecane (C14)	8.502	3271363	21.166 ug/ml
7) T n-Hexadecane (C16)	10.110	3332471	20.632 ug/ml
8) T n-Octadecane (C18)	11.552	3342466	19.685 ug/ml
10) T n-Eicosane (C20)	12.862	3181989	18.810 ug/ml
11) T n-Heneicosane (C21)	13.474	3148009	18.371 ug/ml
13) T n-Docosane (C22)	14.061	3089296	18.033 ug/ml
14) T n-Tetracosane (C24)	15.165	3025336	17.549 ug/ml
15) T n-Hexacosane (C26)	16.187	2917780	17.167 ug/ml
16) T n-Octacosane (C28)	17.139	2904257	17.318 ug/ml
17) T n-Tricontane (C30)	18.027	2943278	18.026 ug/mlm
18) T n-Dotriacontane (C32)	18.862	3048941	17.814 ug/ml
19) T n-Tetratriacontane (C34)	19.647	2999389	19.400 ug/ml
20) T n-Hexatriacontane (C36)	20.389	2972903	20.463 ug/ml
21) T n-Octatriacontane (C38)	21.119	2934407	21.348 ug/ml
22) T n-Tetracontane (C40)	22.006	3163911	20.476 ug/mlm

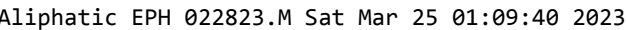
(f)=RT Delta > 1/2 Window

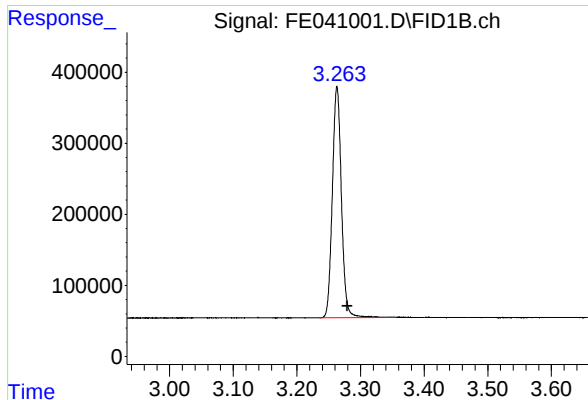
(m)=manual int.

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Reviewed By :Yogesh Patel 03/27/2023
Supervised By :Ankita Jodhani 03/27/2023

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





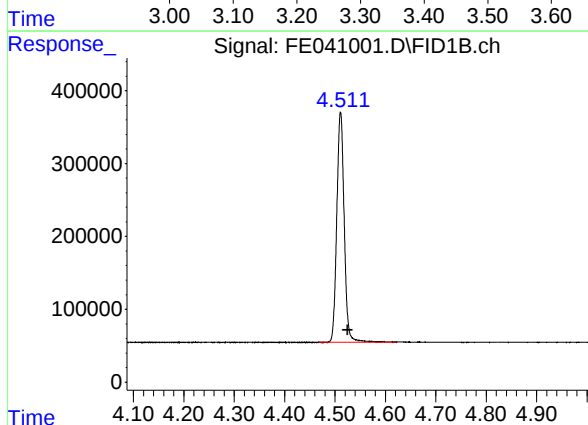
#1 n-Nonane (C9)

R.T.: 3.263 min
Delta R.T.: -0.016 min
Response: 3227859
Conc: 20.98 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

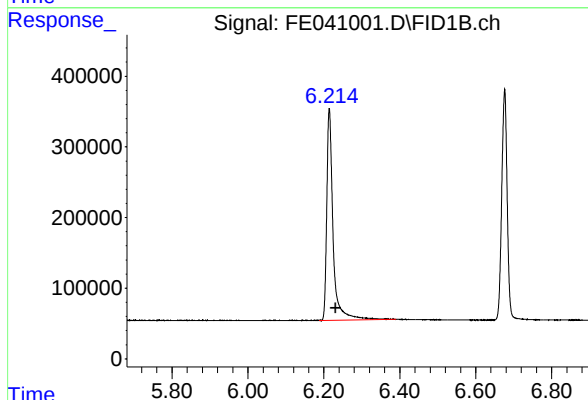
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/27/2023
Supervised By :Ankita Jodhani 03/27/2023



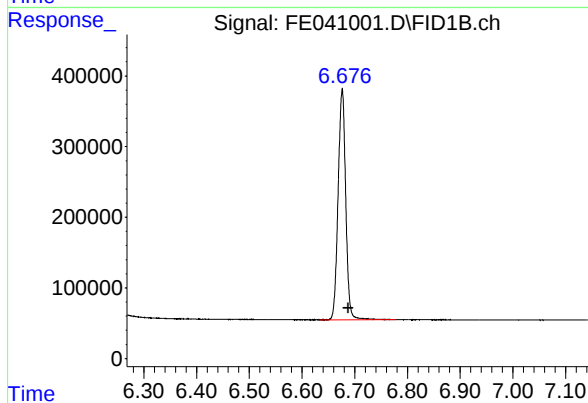
#2 n-Decane (C10)

R.T.: 4.511 min
Delta R.T.: -0.014 min
Response: 3229534
Conc: 21.47 ug/ml



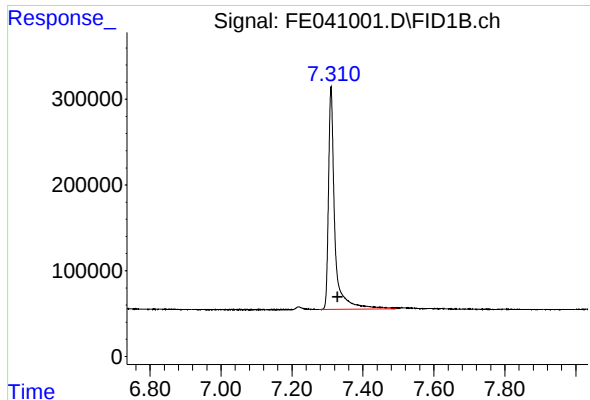
#3 A~Naphthalene (C11.7)

R.T.: 6.214 min
Delta R.T.: -0.017 min
Response: 3477730
Conc: 20.97 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.676 min
Delta R.T.: -0.011 min
Response: 3271720
Conc: 21.37 ug/ml



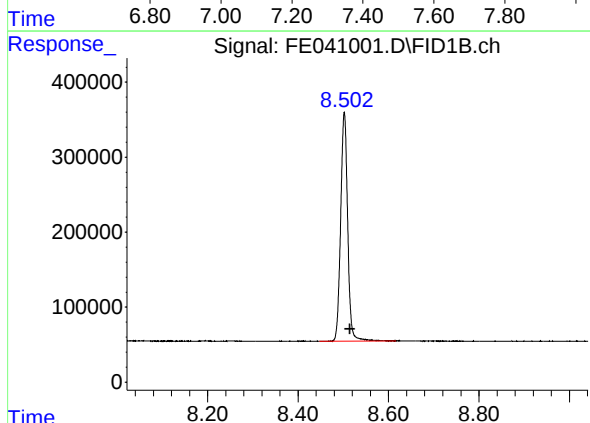
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.310 min
Delta R.T.: -0.018 min
Response: 3242877
Conc: 21.43 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

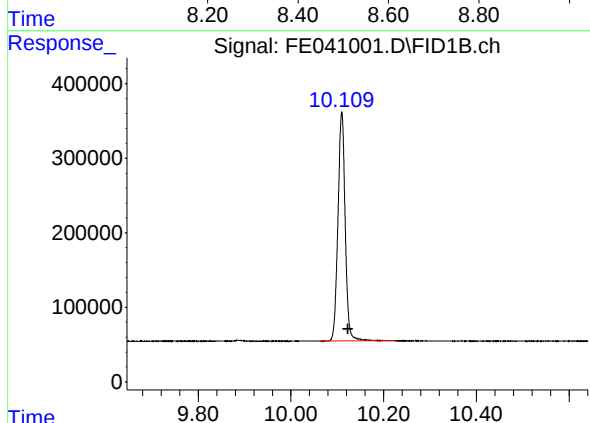
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/27/2023
Supervised By :Ankita Jodhani 03/27/2023



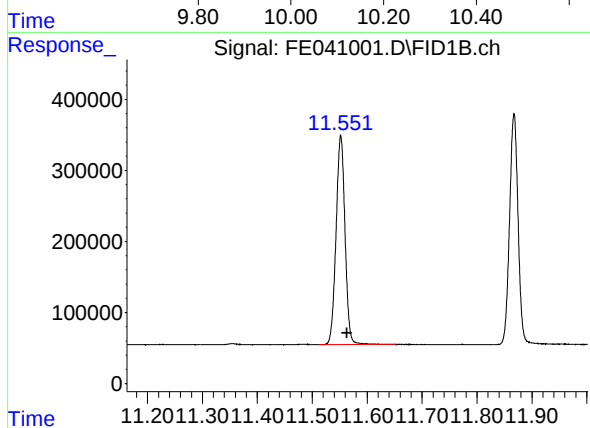
#6 n-Tetradecane (C14)

R.T.: 8.502 min
Delta R.T.: -0.013 min
Response: 3271363
Conc: 21.17 ug/ml



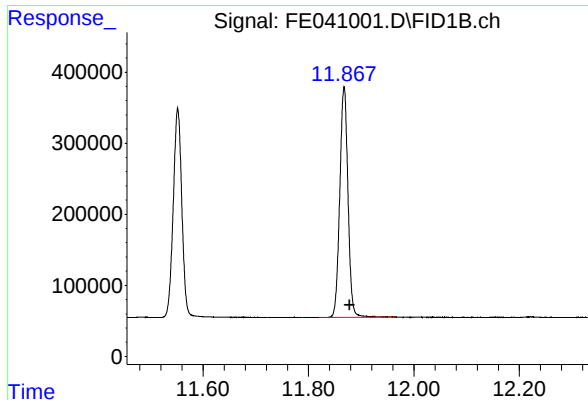
#7 n-Hexadecane (C16)

R.T.: 10.110 min
Delta R.T.: -0.013 min
Response: 3332471
Conc: 20.63 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.552 min
Delta R.T.: -0.011 min
Response: 3342466
Conc: 19.69 ug/ml



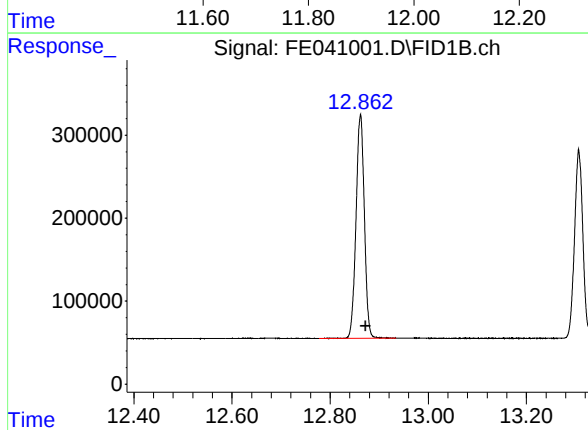
#9 ortho-Terphenyl (SURR)

R.T.: 11.868 min
Delta R.T.: -0.011 min
Response: 3500077
Conc: 18.74 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

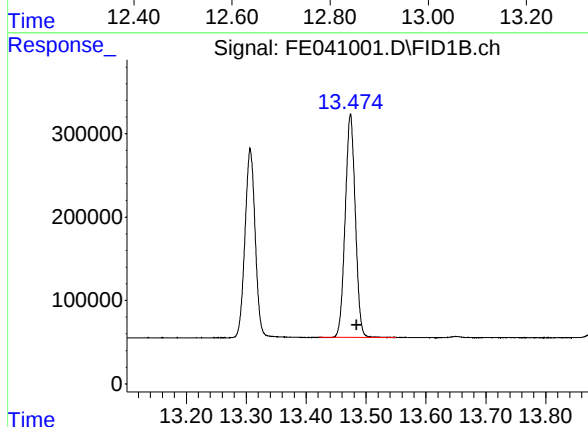
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/27/2023
Supervised By :Ankita Jodhani 03/27/2023



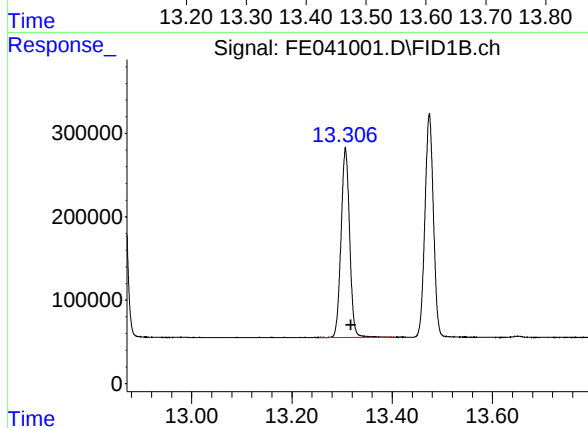
#10 n-Eicosane (C20)

R.T.: 12.862 min
Delta R.T.: -0.011 min
Response: 3181989
Conc: 18.81 ug/ml



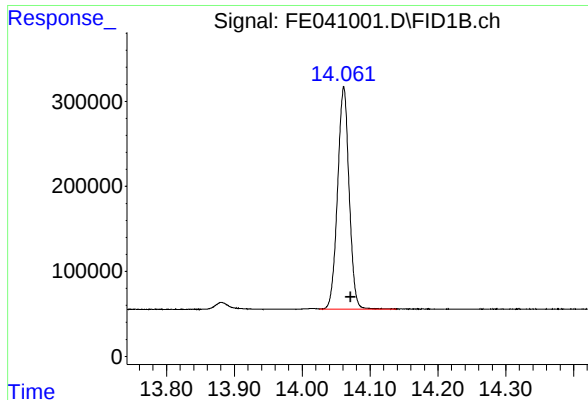
#11 n-Heneicosane (C21)

R.T.: 13.474 min
Delta R.T.: -0.010 min
Response: 3148009
Conc: 18.37 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.307 min
Delta R.T.: -0.011 min
Response: 2696861
Conc: 18.22 ug/ml



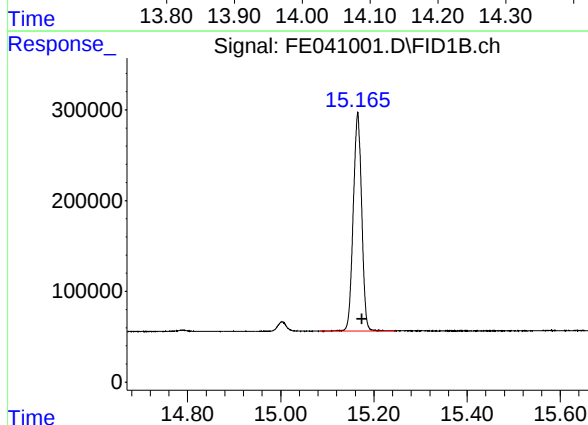
#13 n-Docosane (C22)

R.T.: 14.061 min
Delta R.T.: -0.010 min
Response: 3089296
Conc: 18.03 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

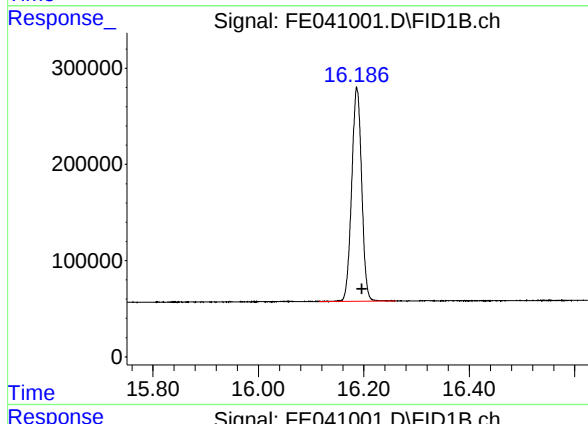
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/27/2023
Supervised By :Ankita Jodhani 03/27/2023



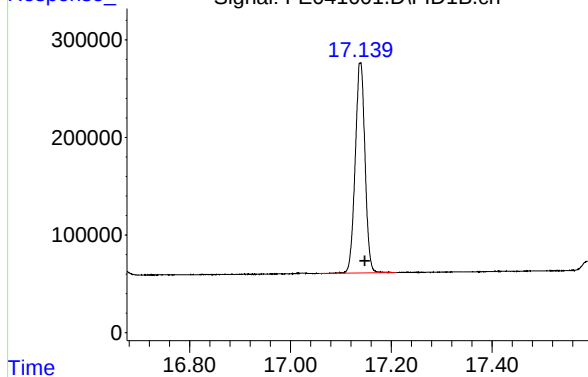
#14 n-Tetracosane (C24)

R.T.: 15.165 min
Delta R.T.: -0.009 min
Response: 3025336
Conc: 17.55 ug/ml



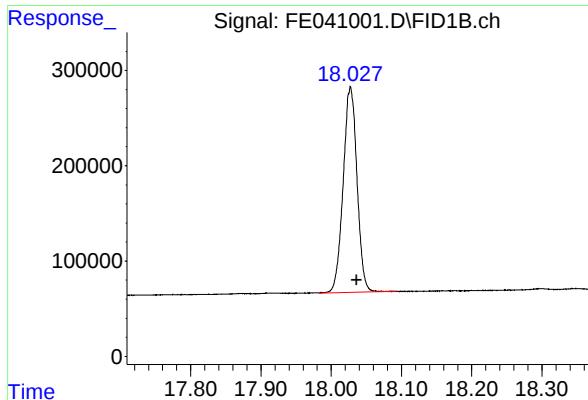
#15 n-Hexacosane (C26)

R.T.: 16.187 min
Delta R.T.: -0.010 min
Response: 2917780
Conc: 17.17 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.139 min
Delta R.T.: -0.009 min
Response: 2904257
Conc: 17.32 ug/ml



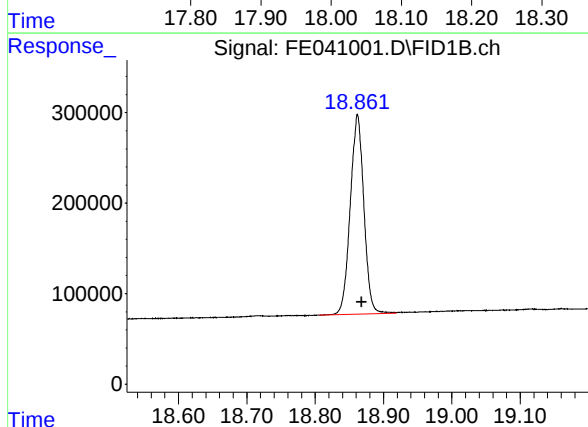
#17 n-Tricontane (C30)

R.T.: 18.027 min
Delta R.T.: -0.009 min
Response: 2943278
Conc: 18.03 ug/ml

Instrument : FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

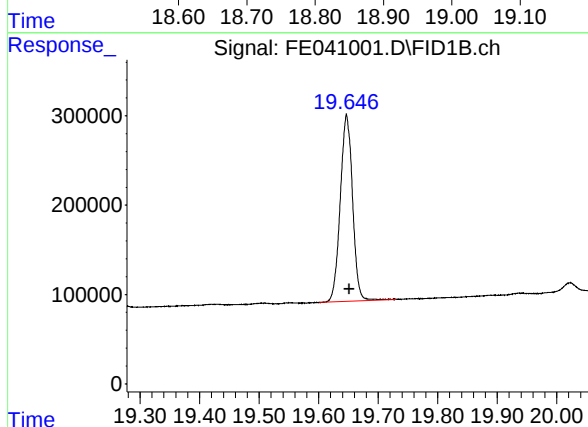
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/27/2023
Supervised By :Ankita Jodhani 03/27/2023



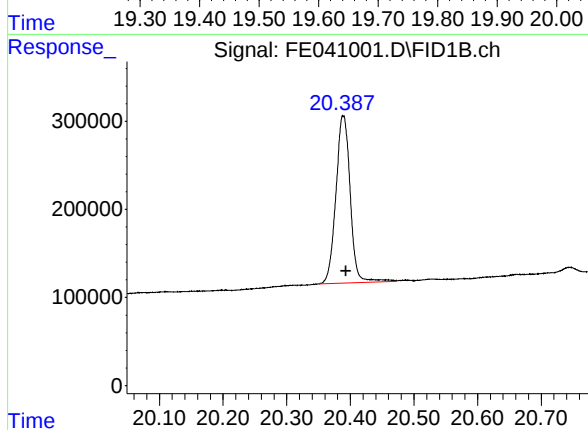
#18 n-Dotriacontane (C32)

R.T.: 18.862 min
Delta R.T.: -0.006 min
Response: 3048941
Conc: 17.81 ug/ml



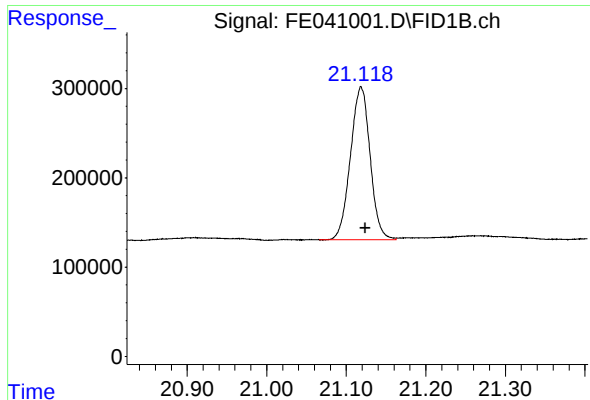
#19 n-Tetatriacontane (C34)

R.T.: 19.647 min
Delta R.T.: -0.005 min
Response: 2999389
Conc: 19.40 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.389 min
Delta R.T.: -0.004 min
Response: 2972903
Conc: 20.46 ug/ml



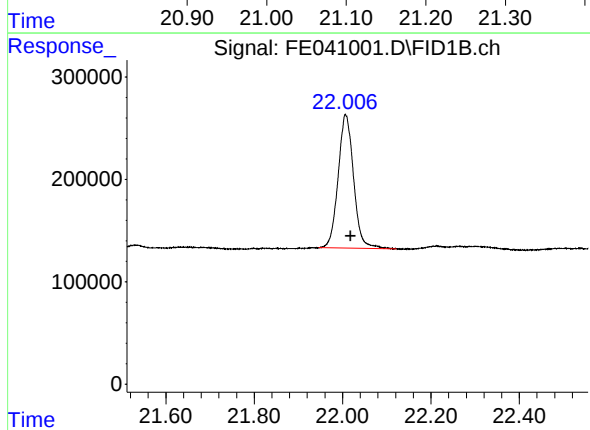
#21 n-Octatriacontane (C38)

R.T.: 21.119 min
Delta R.T.: -0.005 min
Response: 2934407
Conc: 21.35 ug/ml

Instrument : FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/27/2023
Supervised By :Ankita Jodhani 03/27/2023



#22 n-Tetracontane (C40)

R.T.: 22.006 min
Delta R.T.: -0.013 min
Response: 3163911
Conc: 20.48 ug/ml m