

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE050824AL\
 Data File : FE048026.D
 Signal(s) : FID1B.ch
 Acq On : 08 May 2024 12:58
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/09/2024
 Supervised By :Ankita Jodhani 05/09/2024

Integration File: autoint1.e
 Quant Time: May 09 01:22:37 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 042724.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 29 03:29:12 2024
 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)	11.970	2692453	18.663 ug/ml
Spiked Amount 50.000		Recovery =	37.33%
12) S 1-chlorooctadecane (S...	13.404	2074388	18.564 ug/ml
Spiked Amount 50.000		Recovery =	37.13%
Target Compounds			
1) T n-Nonane (C9)	3.348	2303907	17.876 ug/mlm
2) T n-Decane (C10)	4.601	2415304	18.346 ug/ml
3) T A~Naphthalene (C11.7)	6.310	2534233	18.353 ug/ml
4) T n-Dodecane (C12)	6.768	2452863	18.399 ug/ml
5) T A~2-methylnaphthalene...	7.406	2469443	18.557 ug/ml
6) T n-Tetradecane (C14)	8.596	2453904	18.517 ug/ml
7) T n-Hexadecane (C16)	10.204	2543743	18.496 ug/ml
8) T n-Octadecane (C18)	11.648	2598694	18.656 ug/ml
10) T n-Eicosane (C20)	12.959	2527935	18.775 ug/ml
11) T n-Heneicosane (C21)	13.570	2469021	18.652 ug/ml
13) T n-Docosane (C22)	14.157	2518936	19.008 ug/ml
14) T n-Tetracosane (C24)	15.260	2636518	19.801 ug/ml
15) T n-Hexacosane (C26)	16.280	2709312	20.303 ug/ml
16) T n-Octacosane (C28)	17.230	2839085	21.323 ug/ml
17) T n-Tricontane (C30)	18.118	3078578	22.306 ug/ml
18) T n-Dotriacontane (C32)	18.951	3096300	22.417 ug/ml
19) T n-Tetratriacontane (C34)	19.735	2901098	21.297 ug/ml
20) T n-Hexatriacontane (C36)	20.473	2758992	20.377 ug/mlm
21) T n-Octatriacontane (C38)	21.216	2691779	19.496 ug/ml
22) T n-Tetracontane (C40)	22.145	2544013	18.260 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE050824AL\
Data File : FE048026.D
Signal(s) : FID1B.ch
Acq On : 08 May 2024 12:58
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

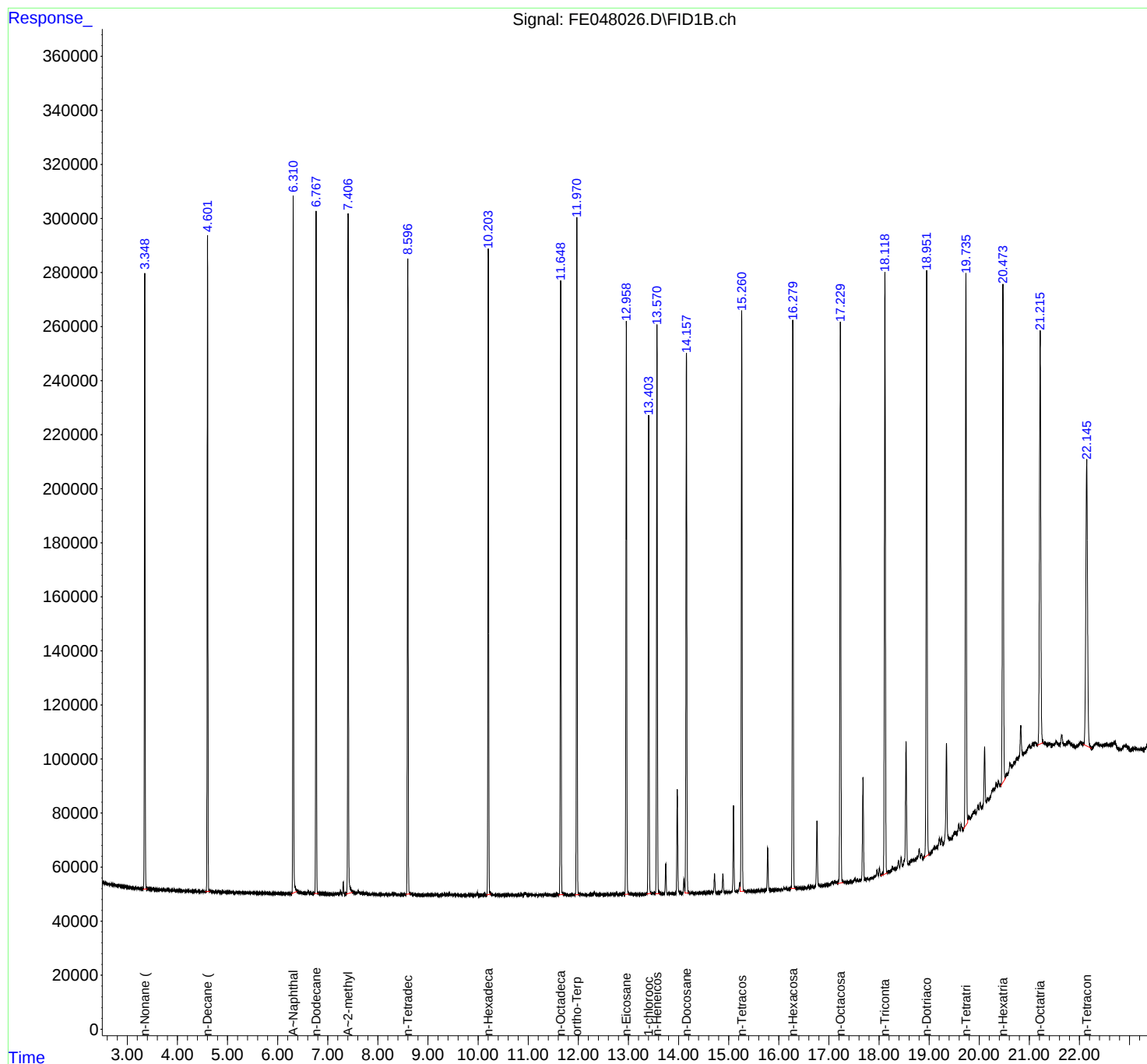
Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

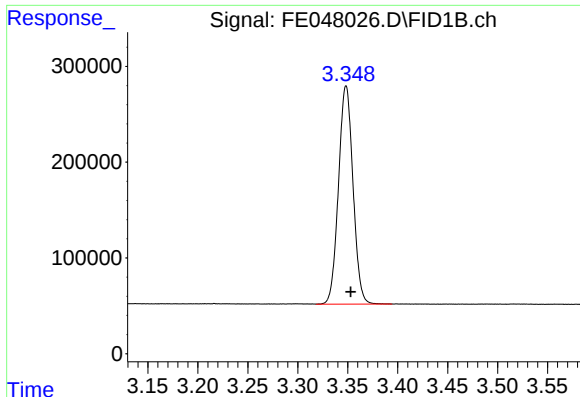
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/09/2024
Supervised By :Ankita Jodhani 05/09/2024

Integration File: autoint1.e
Quant Time: May 09 01:22:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 042724.M
Quant Title : GC Extractables
QLast Update : Mon Apr 29 03:29:12 2024
Response via : Initial Calibration
Integrator: ChemStation

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





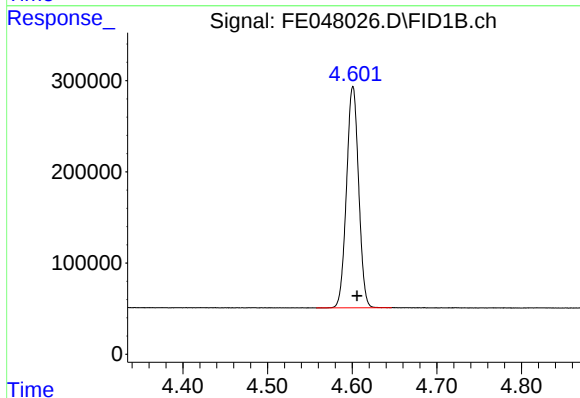
#1 n-Nonane (C9)

R.T.: 3.348 min
Delta R.T.: -0.005 min
Response: 2303907
Conc: 17.88 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

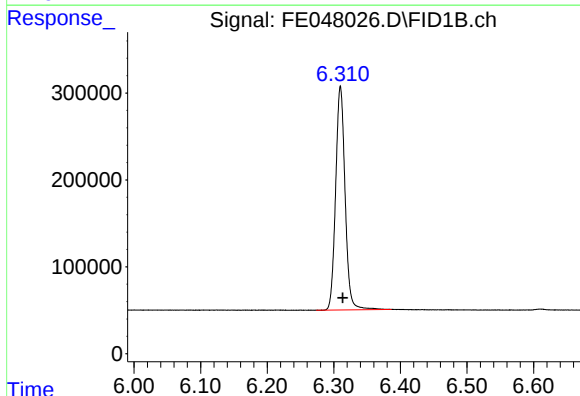
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/09/2024
Supervised By :Ankita Jodhani 05/09/2024



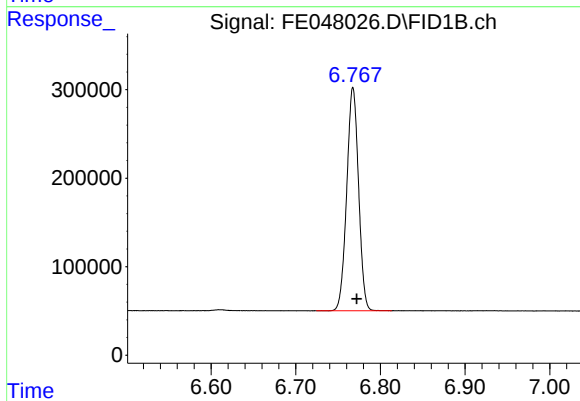
#2 n-Decane (C10)

R.T.: 4.601 min
Delta R.T.: -0.005 min
Response: 2415304
Conc: 18.35 ug/ml



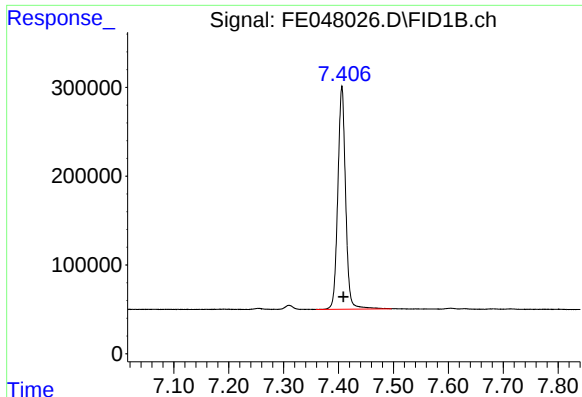
#3 A~Naphthalene (C11.7)

R.T.: 6.310 min
Delta R.T.: -0.004 min
Response: 2534233
Conc: 18.35 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.768 min
Delta R.T.: -0.004 min
Response: 2452863
Conc: 18.40 ug/ml



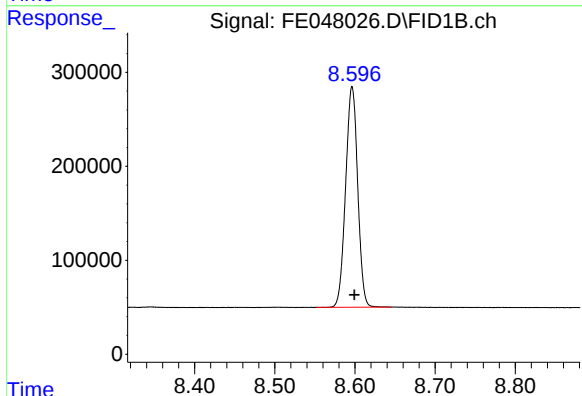
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.406 min
Delta R.T.: -0.003 min
Response: 2469443
Conc: 18.56 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

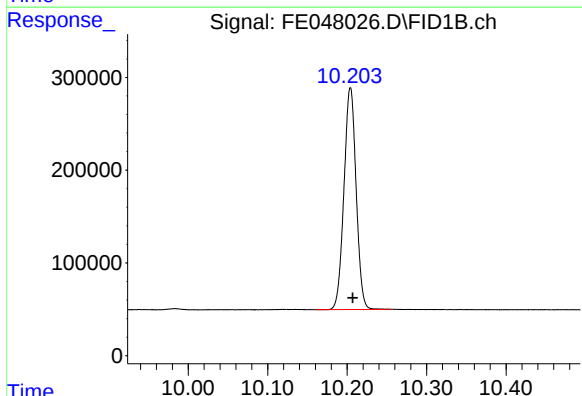
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/09/2024
Supervised By :Ankita Jodhani 05/09/2024



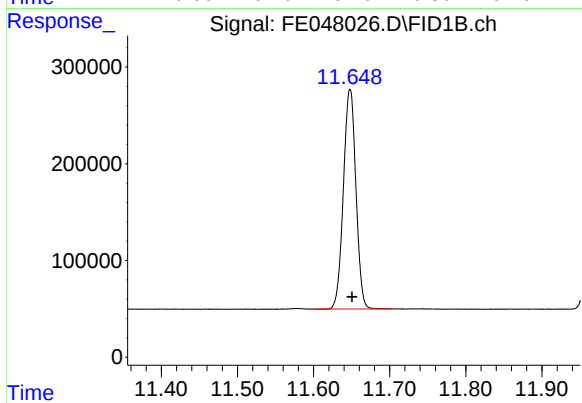
#6 n-Tetradecane (C14)

R.T.: 8.596 min
Delta R.T.: -0.003 min
Response: 2453904
Conc: 18.52 ug/ml



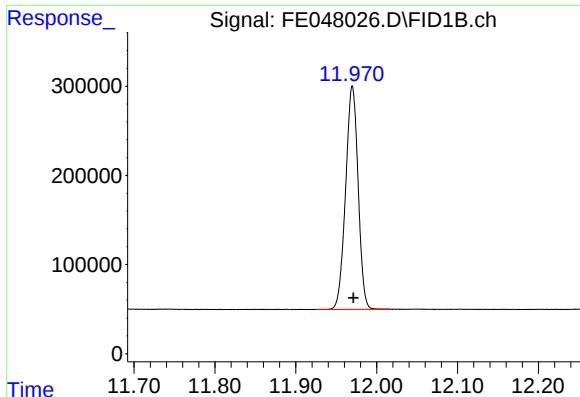
#7 n-Hexadecane (C16)

R.T.: 10.204 min
Delta R.T.: -0.003 min
Response: 2543743
Conc: 18.50 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.648 min
Delta R.T.: -0.002 min
Response: 2598694
Conc: 18.66 ug/ml



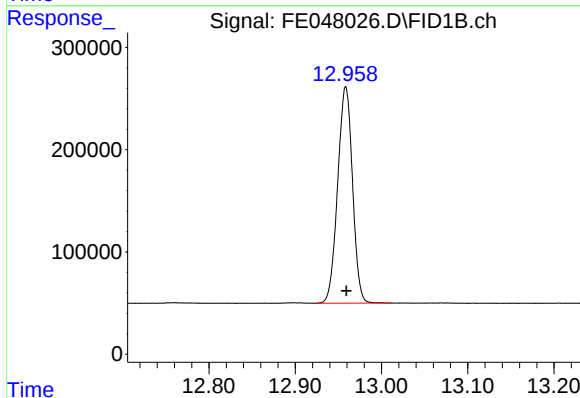
#9 ortho-Terphenyl (SURR)

R.T.: 11.970 min
Delta R.T.: -0.001 min
Response: 2692453
Conc: 18.66 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

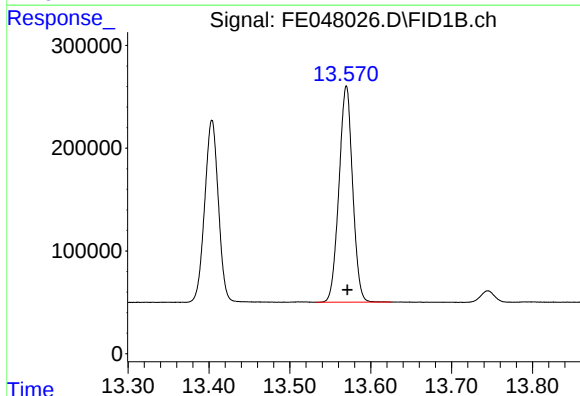
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/09/2024
Supervised By :Ankita Jodhani 05/09/2024



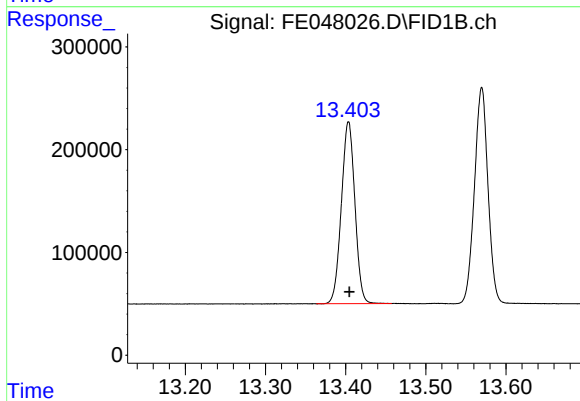
#10 n-Eicosane (C20)

R.T.: 12.959 min
Delta R.T.: 0.000 min
Response: 2527935
Conc: 18.78 ug/ml



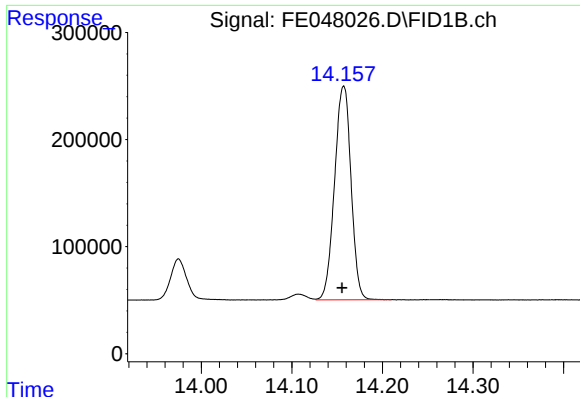
#11 n-Heneicosane (C21)

R.T.: 13.570 min
Delta R.T.: -0.001 min
Response: 2469021
Conc: 18.65 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.404 min
Delta R.T.: -0.001 min
Response: 2074388
Conc: 18.56 ug/ml



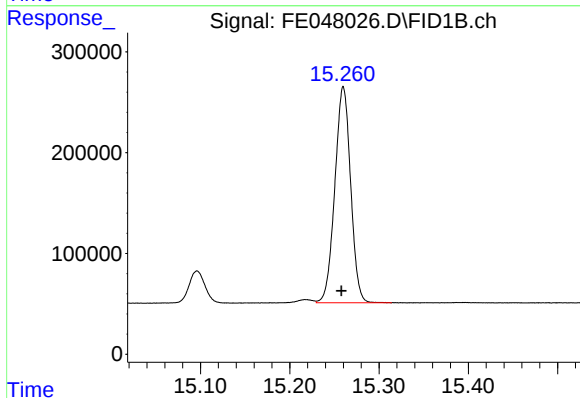
#13 n-Docosane (C22)

R.T.: 14.157 min
Delta R.T.: 0.002 min
Response: 2518936
Conc: 19.01 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

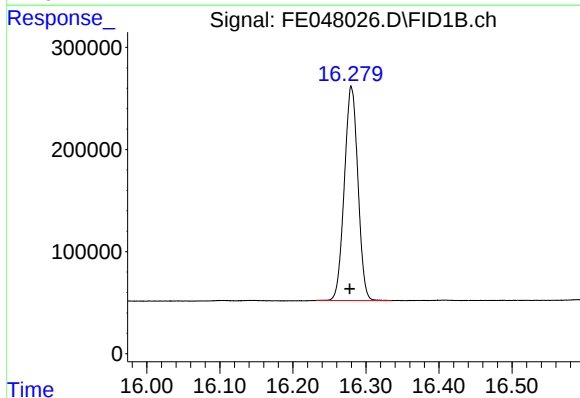
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/09/2024
Supervised By :Ankita Jodhani 05/09/2024



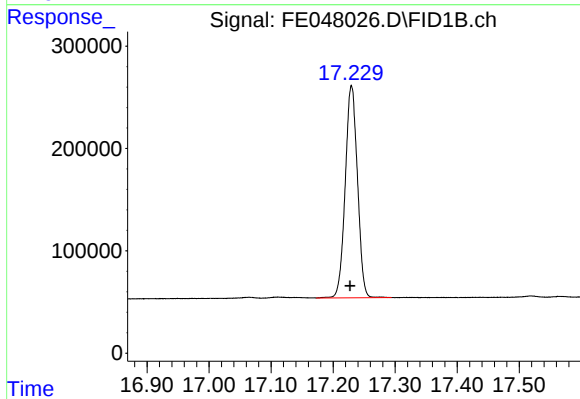
#14 n-Tetracosane (C24)

R.T.: 15.260 min
Delta R.T.: 0.002 min
Response: 2636518
Conc: 19.80 ug/ml



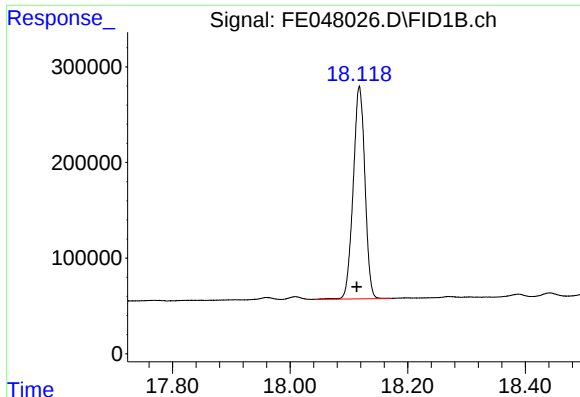
#15 n-Hexacosane (C26)

R.T.: 16.280 min
Delta R.T.: 0.002 min
Response: 2709312
Conc: 20.30 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.230 min
Delta R.T.: 0.002 min
Response: 2839085
Conc: 21.32 ug/ml



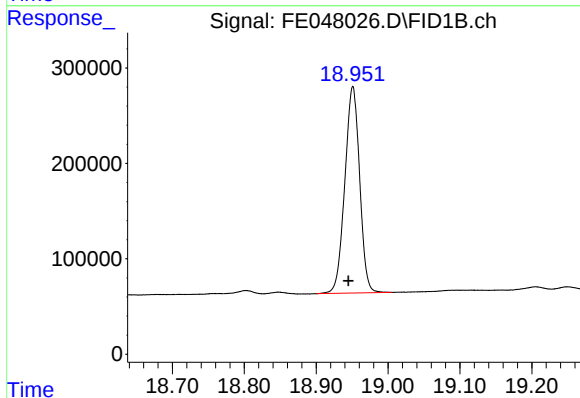
#17 n-Tricontane (C30)

R.T.: 18.118 min
Delta R.T.: 0.004 min
Response: 3078578
Conc: 22.31 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

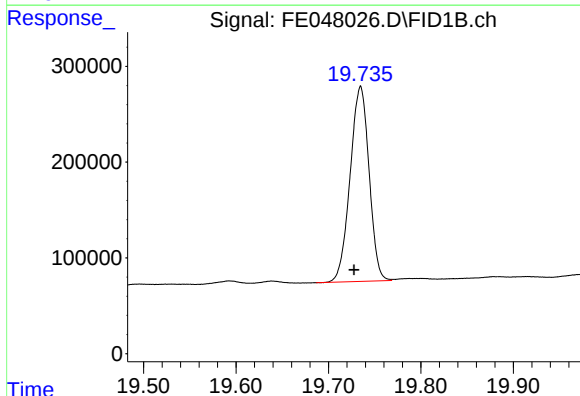
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/09/2024
Supervised By :Ankita Jodhani 05/09/2024



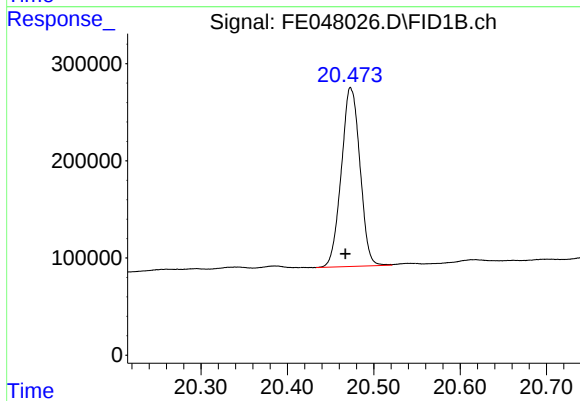
#18 n-Dotriacontane (C32)

R.T.: 18.951 min
Delta R.T.: 0.006 min
Response: 3096300
Conc: 22.42 ug/ml



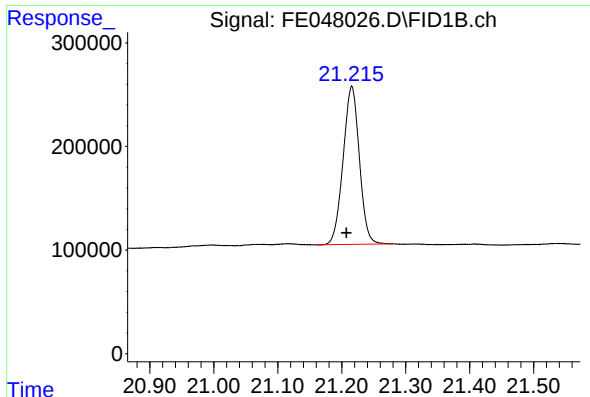
#19 n-Tetratriacontane (C34)

R.T.: 19.735 min
Delta R.T.: 0.007 min
Response: 2901098
Conc: 21.30 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.473 min
Delta R.T.: 0.005 min
Response: 2758992
Conc: 20.38 ug/ml m



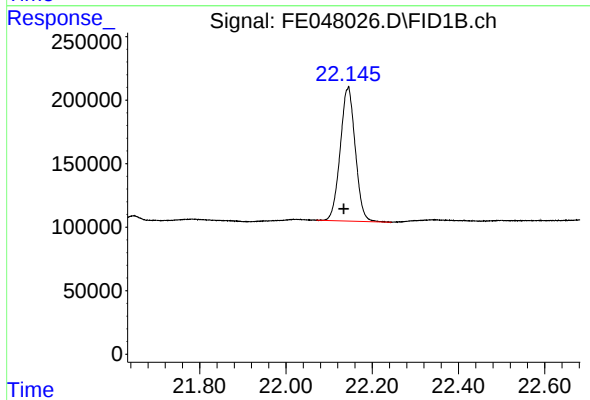
#21 n-Octatriacontane (C38)

R.T.: 21.216 min
Delta R.T.: 0.008 min
Response: 2691779
Conc: 19.50 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/09/2024
Supervised By :Ankita Jodhani 05/09/2024



#22 n-Tetracontane (C40)

R.T.: 22.145 min
Delta R.T.: 0.011 min
Response: 2544013
Conc: 18.26 ug/ml