



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Lab Sample ID: 100 PPM ALIPHATIC HC

Acq On: 05 May 2023 13:53

Client Sample ID:

Operator: YP/AJ

Data file: FC063563.D

Misc:

Instrument: FID_C

ALS Vial: 6

Dilution Factor: 1

Sample Multiplier: 1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.200	6.480	46719641.000	300.000	ug/ml
Aliphatic C12-C16	6.481	9.871	30896087.000	200.000	ug/ml
Aliphatic C16-C21	9.872	13.228	43558689.000	300.000	ug/ml
Aliphatic C21-C28	13.229	16.879	52547978.000	400.000	ug/ml
Aliphatic C28-C40	16.880	21.727	72625710.000	600.000	ug/ml
Aliphatic EPH	3.200		246348105.000	1800.000	ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050523AL\
 Data File : FC063563.D
 Signal(s) : FID1A.ch
 Acq On : 05 May 2023 13:53
 Operator : YP/AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
 Quant Time: May 05 18:12:26 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050523.M
 Quant Title : GC Extractables
 QLast Update : Fri May 05 18:11:58 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)	11.537	17751740	93.472 ug/ml
Spiked Amount 50.000		Recovery =	186.94%
12) S 1-chlorooctadecane (S...	12.970	12518733	94.366 ug/ml
Spiked Amount 50.000		Recovery =	188.73%
Target Compounds			
1) T n-Nonane (C9)	3.304	15368485	93.196 ug/ml
2) T n-Decane (C10)	4.369	15643664	93.578 ug/ml
3) T A~Naphthalene (C11.7)	5.951	17147390	96.806 ug/ml
4) T n-Dodecane (C12)	6.387	15707492	93.392 ug/ml
5) T A~2-methylnaphthalene...	7.009	16569528	96.960 ug/ml
6) T n-Tetradecane (C14)	8.181	15375187	93.926 ug/ml
7) T n-Hexadecane (C16)	9.780	15520900	93.562 ug/ml
8) T n-Octadecane (C18)	11.222	15315158	93.248 ug/ml
10) T n-Eicosane (C20)	12.527	14329915	93.268 ug/ml
11) T n-Heneicosane (C21)	13.138	13913616	93.957 ug/ml
13) T n-Docosane (C22)	13.723	13665814	93.854 ug/ml
14) T n-Tetracosane (C24)	14.823	13352788	94.289 ug/ml
15) T n-Hexacosane (C26)	15.841	12980407	94.423 ug/ml
16) T n-Octacosane (C28)	16.787	12548969	94.687 ug/ml
17) T n-Tricontane (C30)	17.672	12581385	94.098 ug/ml
18) T n-Dotriacontane (C32)	18.501	12293185	93.164 ug/ml
19) T n-Tetratriacontane (C34)	19.283	12105356	94.003 ug/ml
20) T n-Hexatriacontane (C36)	20.021	11812208	96.328 ug/ml
21) T n-Octatriacontane (C38)	20.746	11902304	96.199 ug/ml
22) T n-Tetracontane (C40)	21.643	11931272	96.315 ug/ml

(f)=RT Delta > 1/2 Window

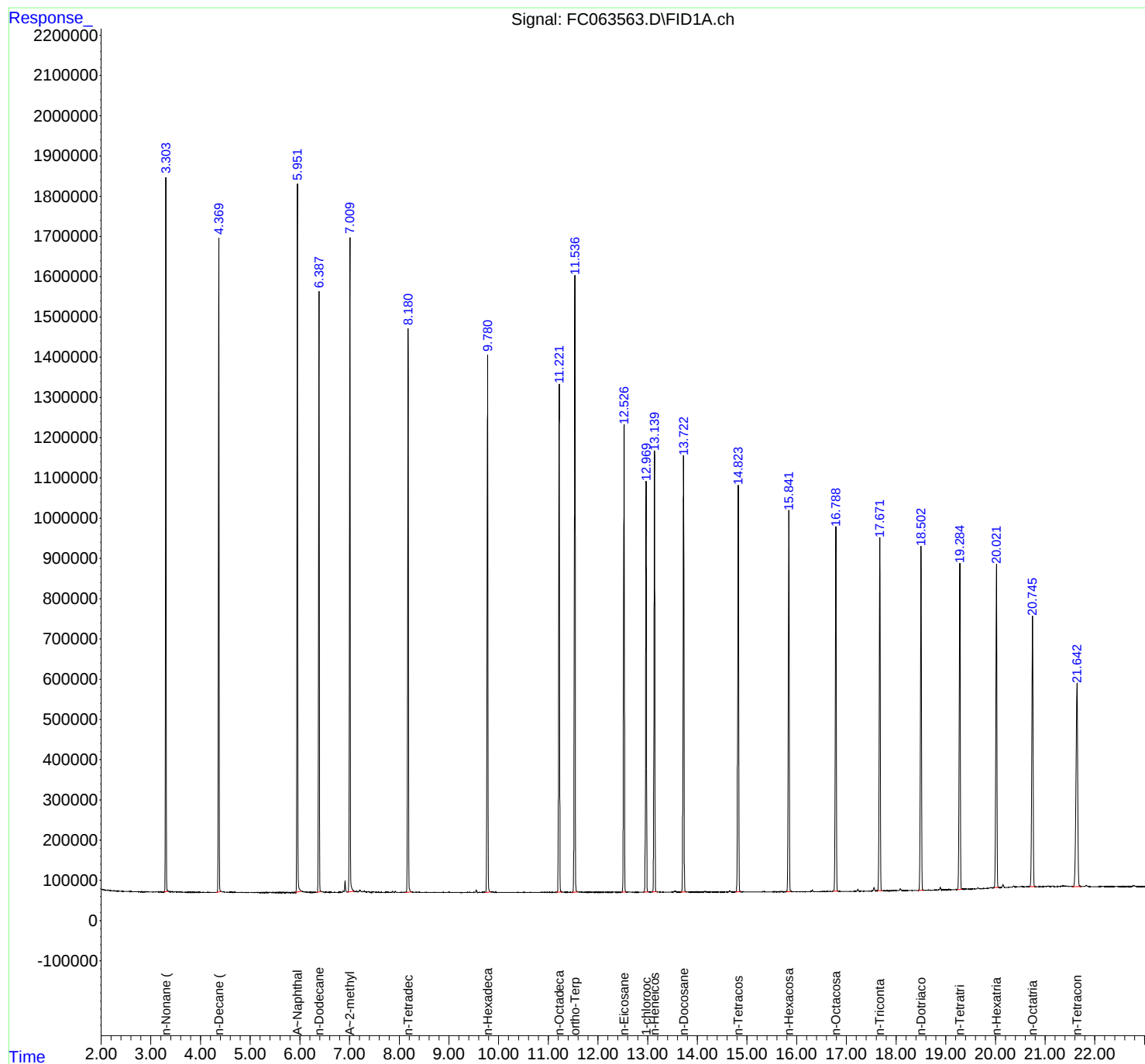
(m)=manual int.

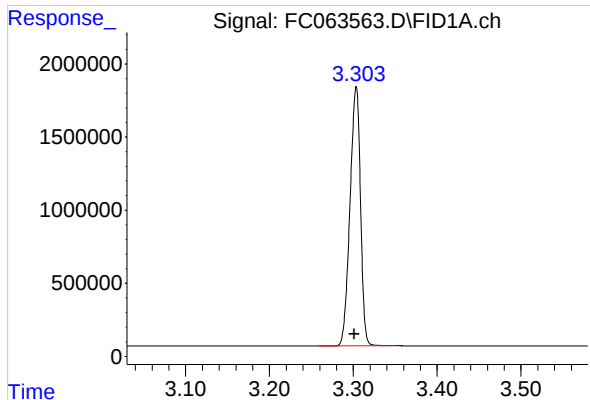
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050523AL\
Data File : FC063563.D
Signal(s) : FID1A.ch
Acq On : 05 May 2023 13:53
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: May 05 18:12:26 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050523.M
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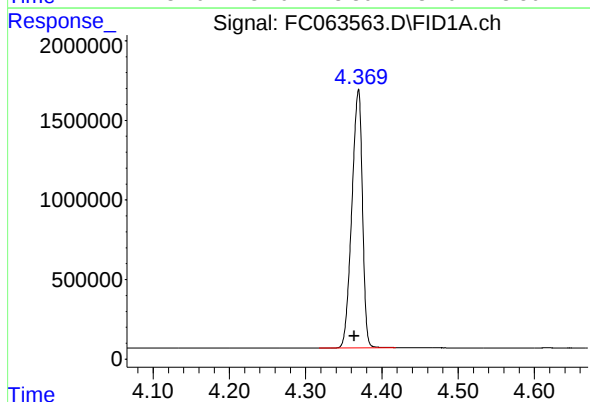




#1 n-Nonane (C9)

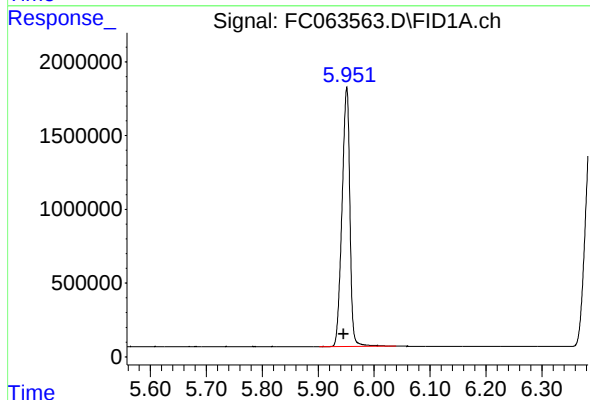
R.T.: 3.304 min
Delta R.T.: 0.003 min
Response: 15368485
Conc: 93.20 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



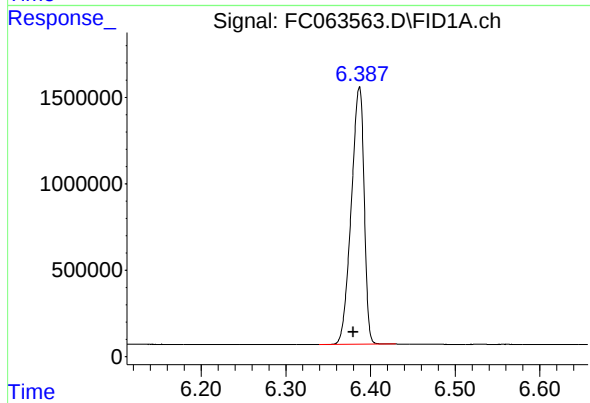
#2 n-Decane (C10)

R.T.: 4.369 min
Delta R.T.: 0.006 min
Response: 15643664
Conc: 93.58 ug/ml



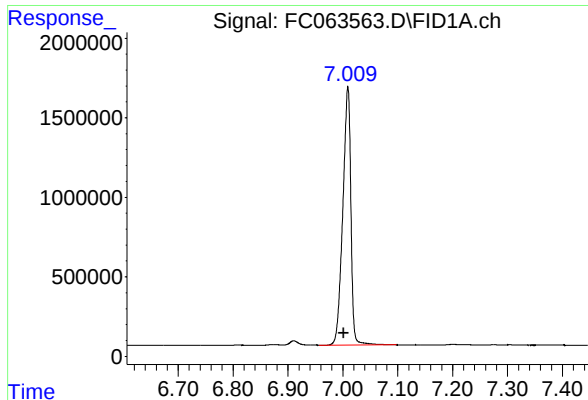
#3 A~Naphthalene (C11.7)

R.T.: 5.951 min
Delta R.T.: 0.006 min
Response: 17147390
Conc: 96.81 ug/ml



#4 n-Dodecane (C12)

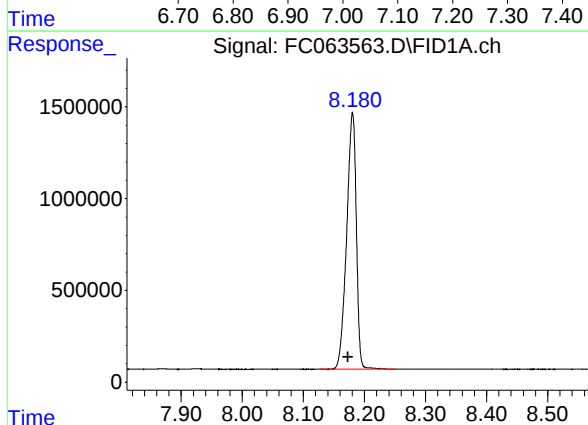
R.T.: 6.387 min
Delta R.T.: 0.007 min
Response: 15707492
Conc: 93.39 ug/ml



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

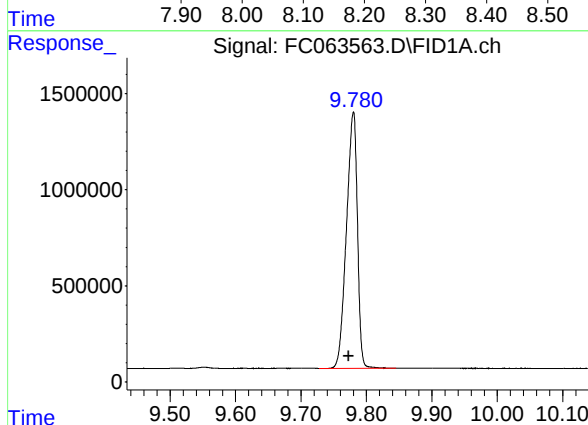
R.T.: 7.009 min
Delta R.T.: 0.007 min
Response: 16569528
Conc: 96.96 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



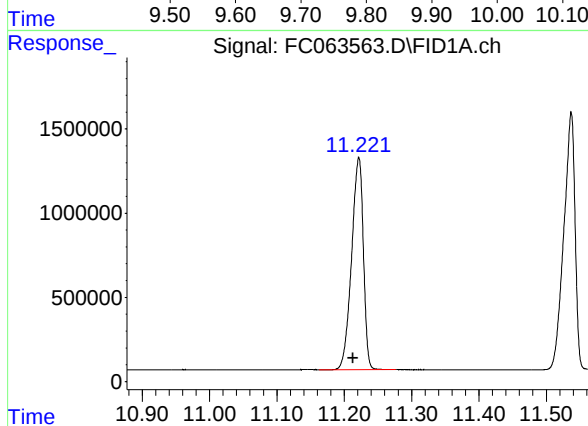
#6 n-Tetradecane (C14)

R.T.: 8.181 min
Delta R.T.: 0.008 min
Response: 15375187
Conc: 93.93 ug/ml



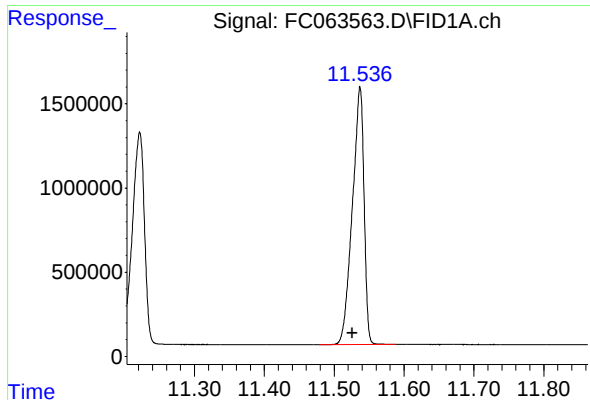
#7 n-Hexadecane (C16)

R.T.: 9.780 min
Delta R.T.: 0.007 min
Response: 15520900
Conc: 93.56 ug/ml



#8 n-Octadecane (C18)

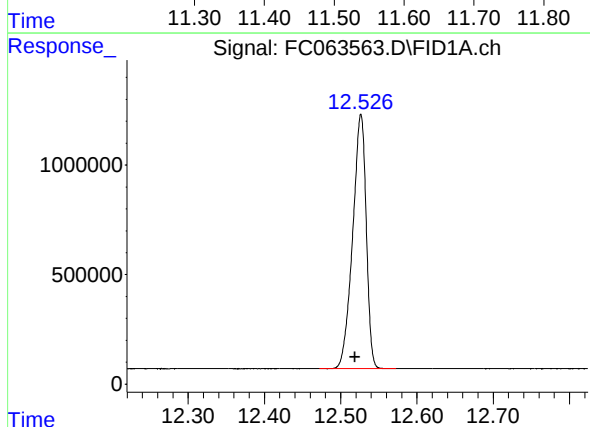
R.T.: 11.222 min
Delta R.T.: 0.009 min
Response: 15315158
Conc: 93.25 ug/ml



#9 ortho-Terphenyl (SURR)

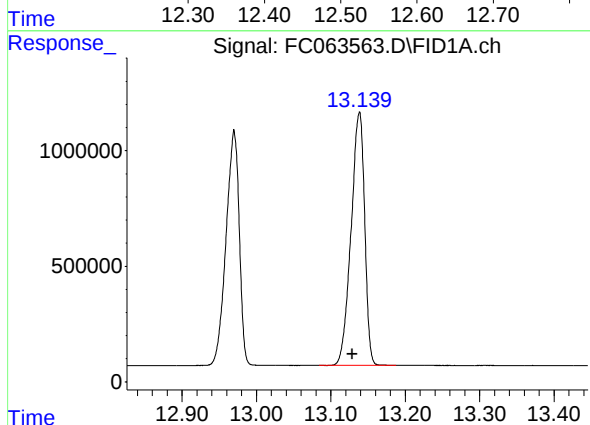
R.T.: 11.537 min
Delta R.T.: 0.011 min
Response: 17751740
Conc: 93.47 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



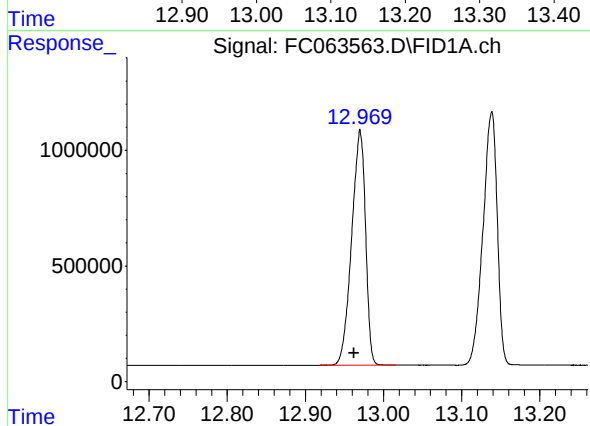
#10 n-Eicosane (C20)

R.T.: 12.527 min
Delta R.T.: 0.008 min
Response: 14329915
Conc: 93.27 ug/ml



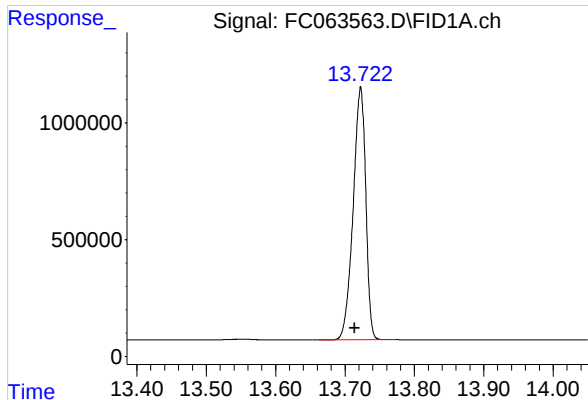
#11 n-Heneicosane (C21)

R.T.: 13.138 min
Delta R.T.: 0.009 min
Response: 13913616
Conc: 93.96 ug/ml



#12 1-chlorooctadecane (SURR)

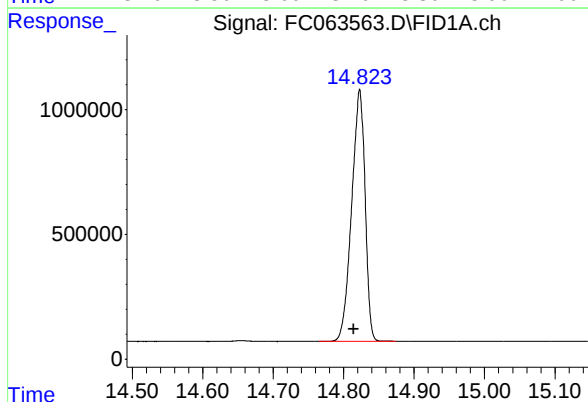
R.T.: 12.970 min
Delta R.T.: 0.008 min
Response: 12518733
Conc: 94.37 ug/ml



#13 n-Docosane (C22)

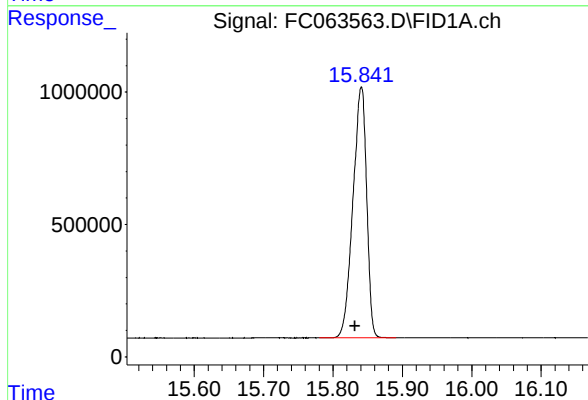
R.T.: 13.723 min
Delta R.T.: 0.009 min
Response: 13665814
Conc: 93.85 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



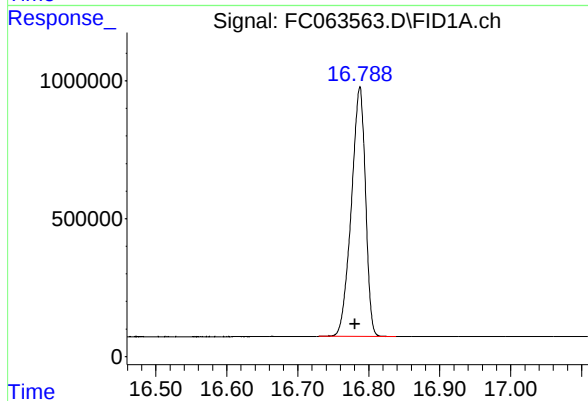
#14 n-Tetracosane (C24)

R.T.: 14.823 min
Delta R.T.: 0.008 min
Response: 13352788
Conc: 94.29 ug/ml



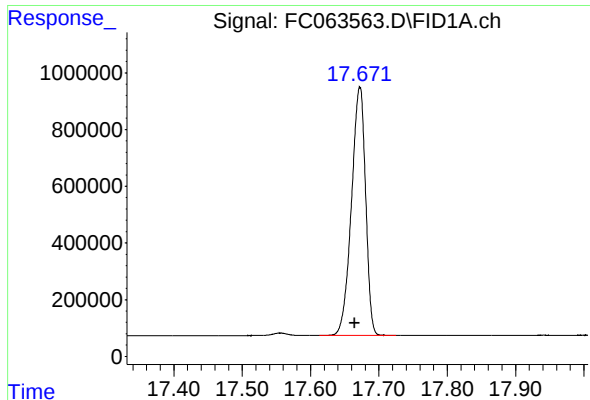
#15 n-Hexacosane (C26)

R.T.: 15.841 min
Delta R.T.: 0.009 min
Response: 12980407
Conc: 94.42 ug/ml



#16 n-Octacosane (C28)

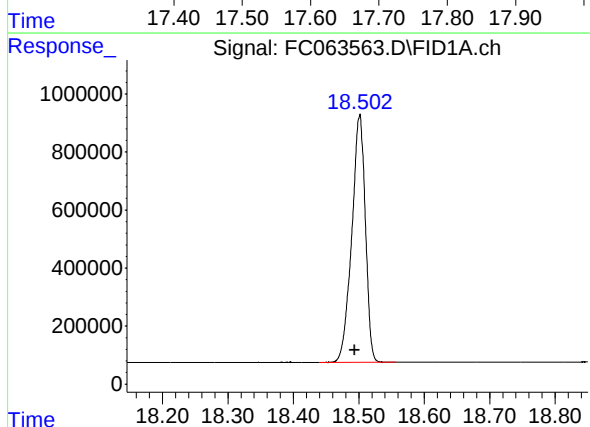
R.T.: 16.787 min
Delta R.T.: 0.007 min
Response: 12548969
Conc: 94.69 ug/ml



#17 n-Tricontane (C30)

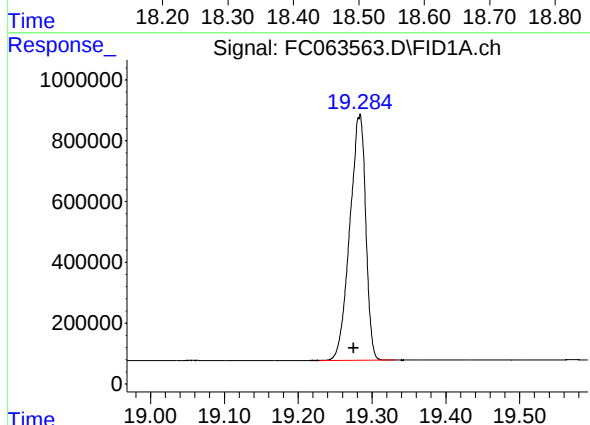
R.T.: 17.672 min
Delta R.T.: 0.008 min
Response: 12581385
Conc: 94.10 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



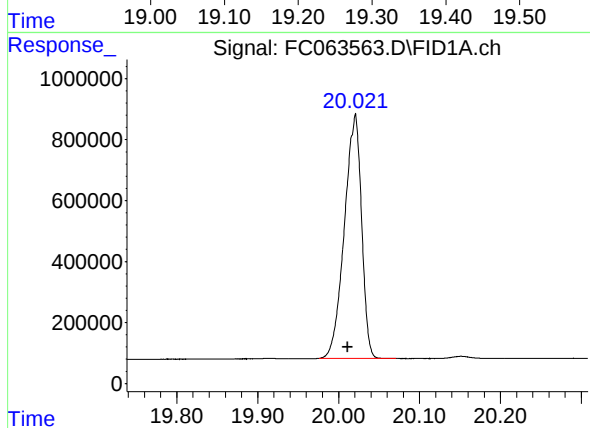
#18 n-Dotriacontane (C32)

R.T.: 18.501 min
Delta R.T.: 0.008 min
Response: 12293185
Conc: 93.16 ug/ml



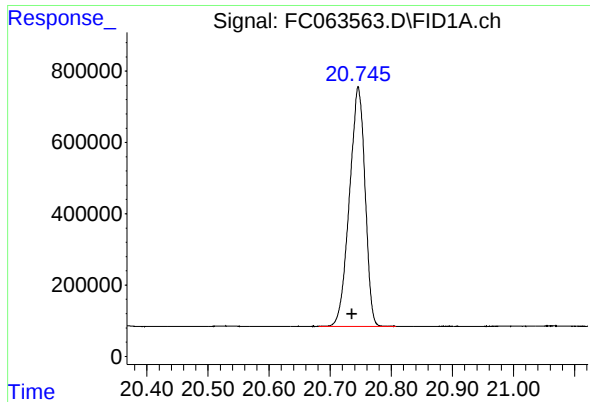
#19 n-Tetatriacontane (C34)

R.T.: 19.283 min
Delta R.T.: 0.008 min
Response: 12105356
Conc: 94.00 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.021 min
Delta R.T.: 0.010 min
Response: 11812208
Conc: 96.33 ug/ml



#21 n-Octatriacontane (C38)

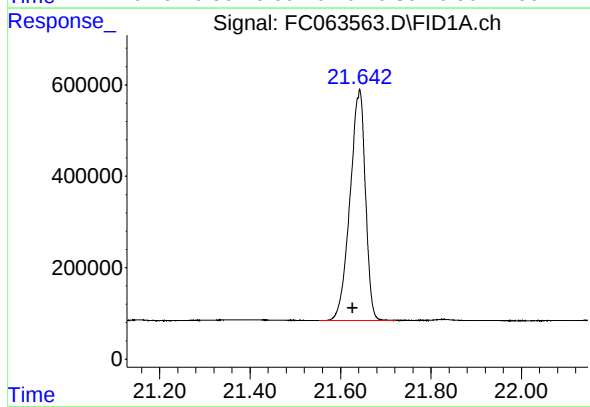
R.T.: 20.746 min
Delta R.T.: 0.010 min
Response: 11902304
Conc: 96.20 ug/ml

Instrument :

FID_C

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.643 min
Delta R.T.: 0.016 min
Response: 11931272
Conc: 96.32 ug/ml