

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC042525AL\
 Data File : FC068687.D
 Signal(s) : FID1A.ch
 Acq On : 25 Apr 2025 10:24
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
 Quant Time: Apr 26 00:13:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 17:31:27 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)	11.720	2448995	19.232 ug/ml
Spiked Amount 50.000		Recovery =	38.46%
12) S 1-chlorooctadecane (S...	13.153	1801703	19.395 ug/ml
Spiked Amount 50.000		Recovery =	38.79%
Target Compounds			
1) T n-Nonane (C9)	3.446	2124054	20.167 ug/ml
2) T n-Decane (C10)	4.523	2209440	20.970 ug/ml
3) T A~Naphthalene (C11.7)	6.121	2405530	20.655 ug/ml
4) T n-Dodecane (C12)	6.549	2206903	20.986 ug/ml
5) T A~2-methylnaphthalene...	7.180	2308494	19.987 ug/ml
6) T n-Tetradecane (C14)	8.347	2164819	21.058 ug/ml
7) T n-Hexadecane (C16)	9.951	2200133	21.604 ug/ml
8) T n-Octadecane (C18)	11.395	2196480	21.827 ug/ml
10) T n-Eicosane (C20)	12.707	2084210	21.190 ug/ml
11) T n-Heneicosane (C21)	13.320	2039275	20.925 ug/ml
13) T n-Docosane (C22)	13.907	2037179	21.090 ug/ml
14) T n-Tetracosane (C24)	15.012	2027111	21.297 ug/ml
15) T n-Hexacosane (C26)	16.034	2007881	21.497 ug/ml
16) T n-Octacosane (C28)	16.986	2064331	22.547 ug/ml
17) T n-Tricontane (C30)	17.876	2235003	24.312 ug/ml
18) T n-Dotriacontane (C32)	18.710	2254973	24.583 ug/ml
19) T n-Tetratriacontane (C34)	19.495	2031294	22.737 ug/ml
20) T n-Hexatriacontane (C36)	20.236	1750418	19.540 ug/ml
21) T n-Octatriacontane (C38)	21.014	1577292	17.840 ug/ml
22) T n-Tetracontane (C40)	21.997	1480938	16.771 ug/ml

(f)=RT Delta > 1/2 Window

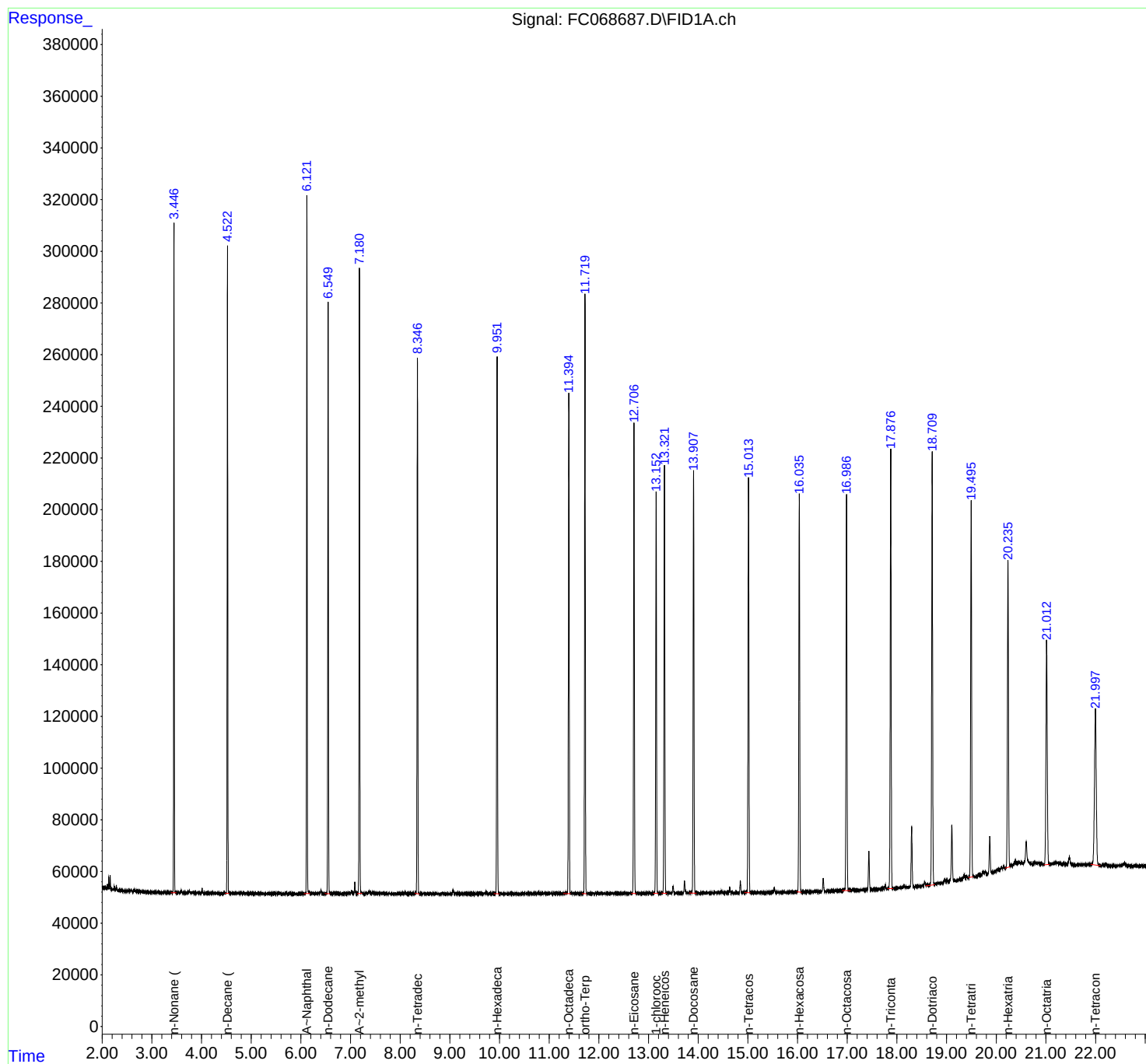
(m)=manual int.

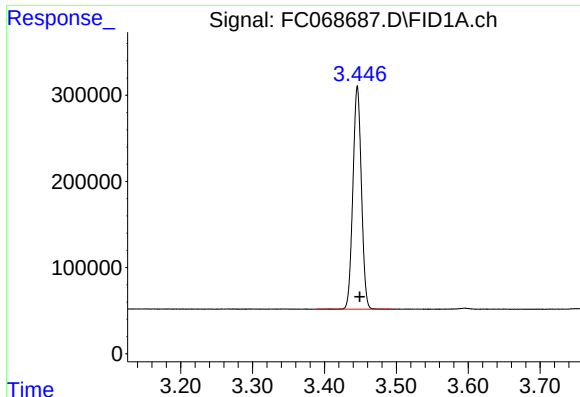
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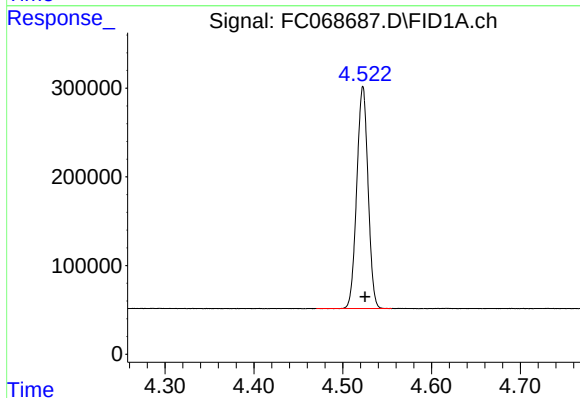




#1 n-Nonane (C9)

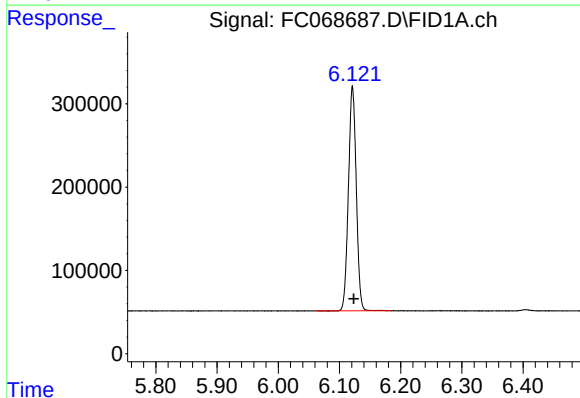
R.T.: 3.446 min
Delta R.T.: -0.003 min
Response: 2124054
Conc: 20.17 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD



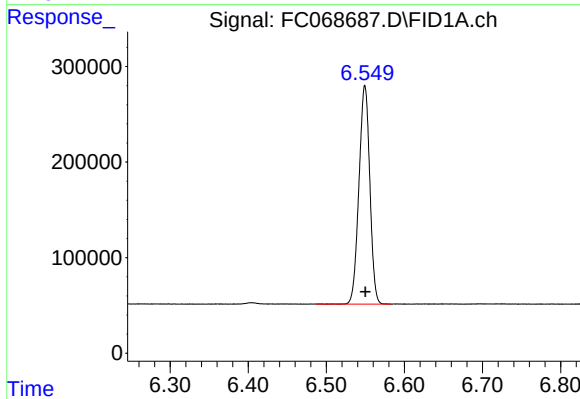
#2 n-Decane (C10)

R.T.: 4.523 min
Delta R.T.: -0.003 min
Response: 2209440
Conc: 20.97 ug/ml



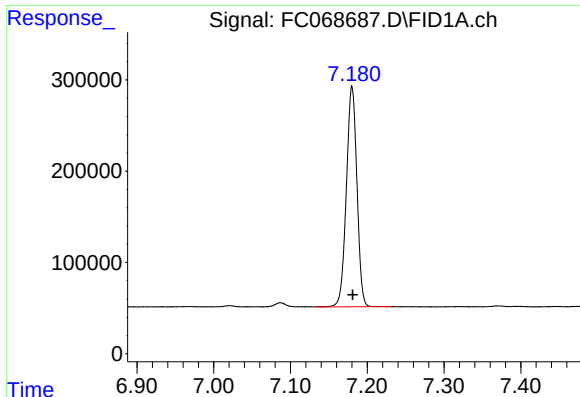
#3 A~Naphthalene (C11.7)

R.T.: 6.121 min
Delta R.T.: -0.002 min
Response: 2405530
Conc: 20.66 ug/ml



#4 n-Dodecane (C12)

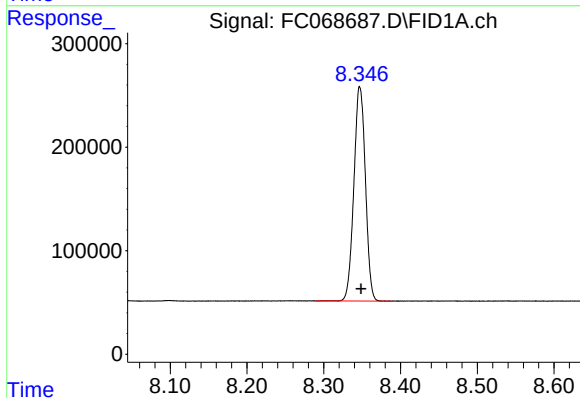
R.T.: 6.549 min
Delta R.T.: 0.000 min
Response: 2206903
Conc: 20.99 ug/ml



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

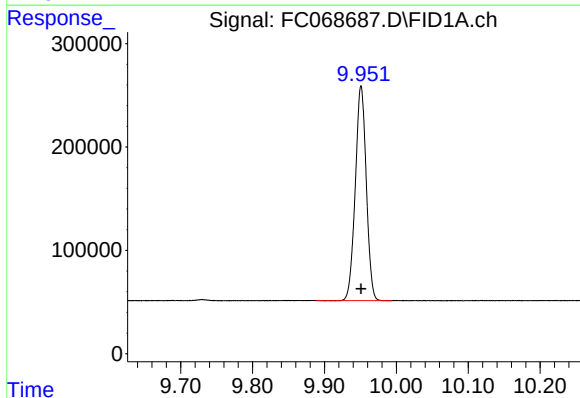
R.T.: 7.180 min
Delta R.T.: 0.000 min
Response: 2308494
Conc: 19.99 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD



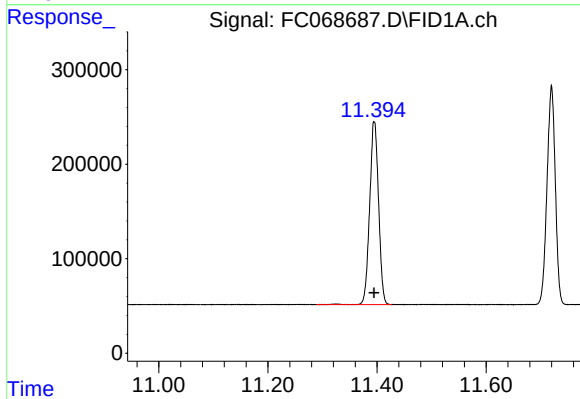
#6 n-Tetradecane (C14)

R.T.: 8.347 min
Delta R.T.: -0.001 min
Response: 2164819
Conc: 21.06 ug/ml



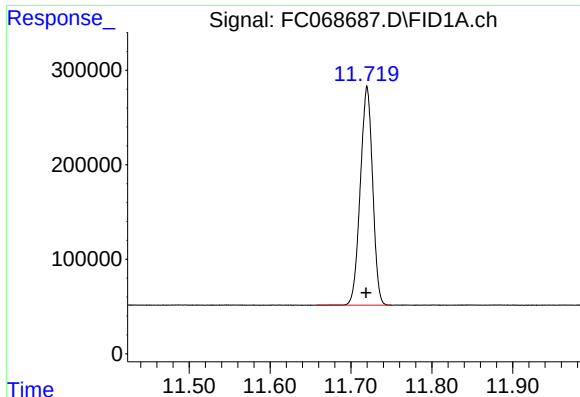
#7 n-Hexadecane (C16)

R.T.: 9.951 min
Delta R.T.: 0.000 min
Response: 2200133
Conc: 21.60 ug/ml



#8 n-Octadecane (C18)

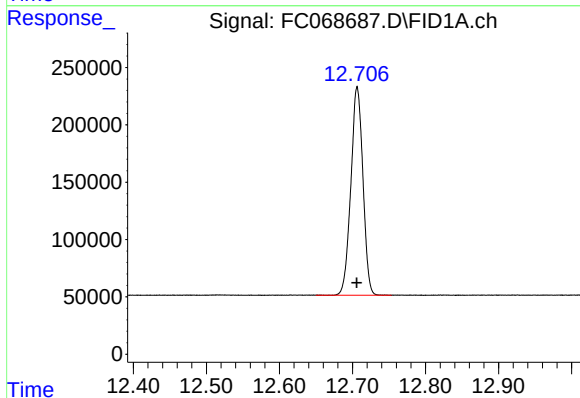
R.T.: 11.395 min
Delta R.T.: 0.000 min
Response: 2196480
Conc: 21.83 ug/ml



#9 ortho-Terphenyl (SURR)

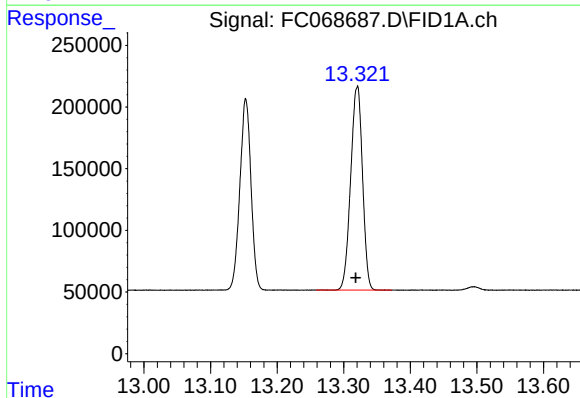
R.T.: 11.720 min
Delta R.T.: 0.001 min
Response: 2448995
Conc: 19.23 ug/ml

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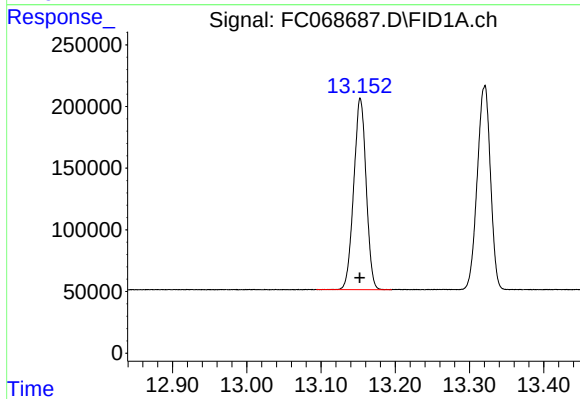
#10 n-Eicosane (C20)

R.T.: 12.707 min
Delta R.T.: 0.000 min
Response: 2084210
Conc: 21.19 ug/ml



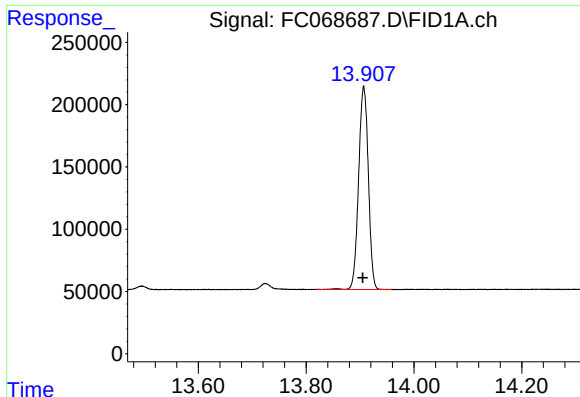
#11 n-Heneicosane (C21)

R.T.: 13.320 min
Delta R.T.: 0.002 min
Response: 2039275
Conc: 20.92 ug/ml



#12 1-chlorooctadecane (SURR)

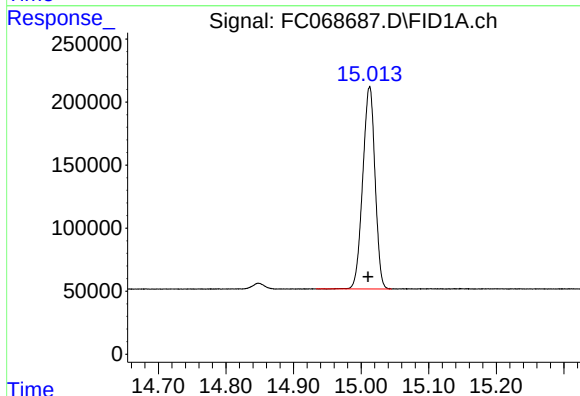
R.T.: 13.153 min
Delta R.T.: 0.001 min
Response: 1801703
Conc: 19.40 ug/ml



#13 n-Docosane (C22)

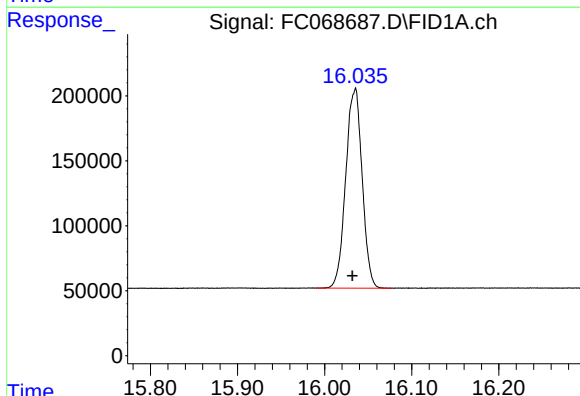
R.T.: 13.907 min
Delta R.T.: 0.002 min
Response: 2037179
Conc: 21.09 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD



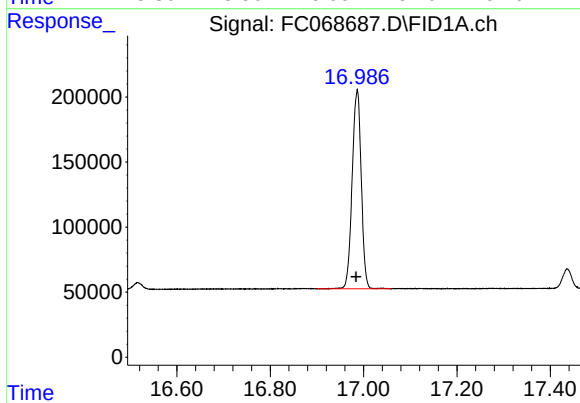
#14 n-Tetracosane (C24)

R.T.: 15.012 min
Delta R.T.: 0.002 min
Response: 2027111
Conc: 21.30 ug/ml



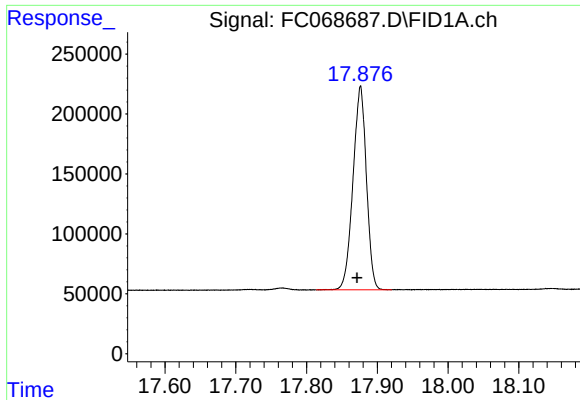
#15 n-Hexacosane (C26)

R.T.: 16.034 min
Delta R.T.: 0.002 min
Response: 2007881
Conc: 21.50 ug/ml



#16 n-Octacosane (C28)

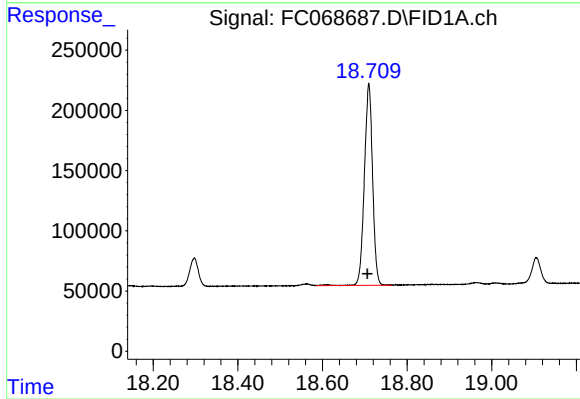
R.T.: 16.986 min
Delta R.T.: 0.003 min
Response: 2064331
Conc: 22.55 ug/ml



#17 n-Tricontane (C30)

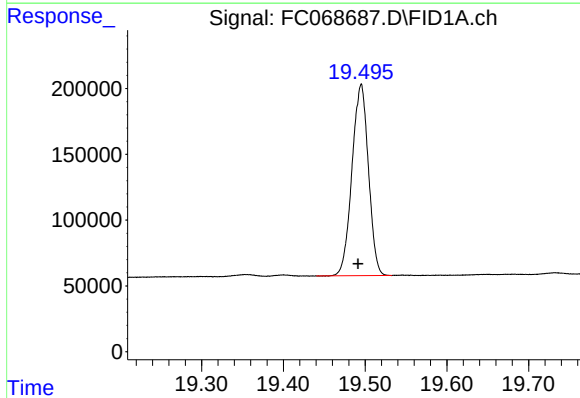
R.T.: 17.876 min
Delta R.T.: 0.005 min
Response: 2235003
Conc: 24.31 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD



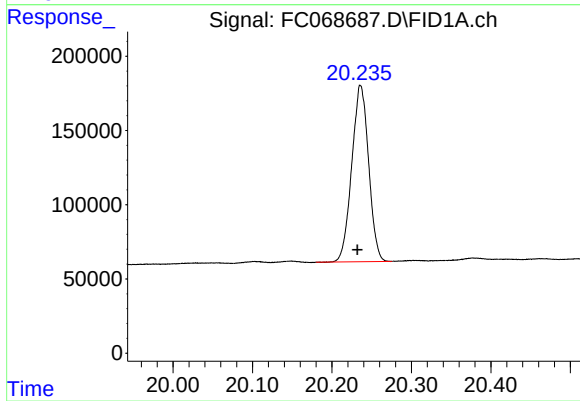
#18 n-Dotriacontane (C32)

R.T.: 18.710 min
Delta R.T.: 0.003 min
Response: 2254973
Conc: 24.58 ug/ml



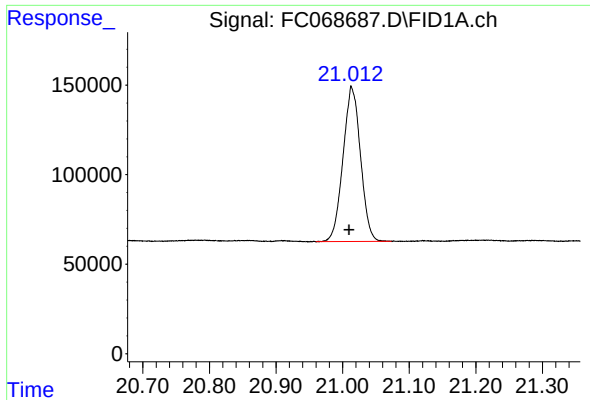
#19 n-Tetratriacontane (C34)

R.T.: 19.495 min
Delta R.T.: 0.003 min
Response: 2031294
Conc: 22.74 ug/ml



#20 n-Hexatriacontane (C36)

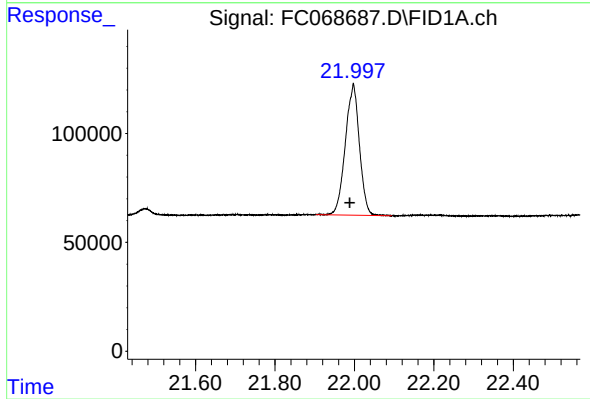
R.T.: 20.236 min
Delta R.T.: 0.004 min
Response: 1750418
Conc: 19.54 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.014 min
Delta R.T.: 0.005 min
Response: 1577292
Conc: 17.84 ug/ml

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FID_C
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#22 n-Tetracontane (C40)

R.T.: 21.997 min
Delta R.T.: 0.009 min
Response: 1480938
Conc: 16.77 ug/ml