

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051625AL\
 Data File : FG015862.D
 Signal(s) : FID1A.ch
 Acq On : 16 May 2025 21:19
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Integration File: autoint1.e
 Quant Time: May 17 00:46:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 051225.M
 Quant Title : GC Extractables
 QLast Update : Mon May 12 12:44:43 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)	11.888	2857622	19.193 ug/ml
Spiked Amount 50.000		Recovery =	38.39%
12) S 1-chlorooctadecane (S...	13.332	2184523	18.963 ug/ml
Spiked Amount 50.000		Recovery =	37.93%
Target Compounds			
1) T n-Nonane (C9)	3.235	2287781	20.391 ug/ml
2) T n-Decane (C10)	4.493	2302215	20.348 ug/ml
3) T A~Naphthalene (C11.7)	6.207	2383353	20.386 ug/ml
4) T n-Dodecane (C12)	6.674	2330000	20.220 ug/ml
5) T A~2-methylnaphthalene...	7.309	2307962	20.206 ug/ml
6) T n-Tetradecane (C14)	8.510	2303250	19.996 ug/ml
7) T n-Hexadecane (C16)	10.124	2335132	19.745 ug/ml
8) T n-Octadecane (C18)	11.572	2359962	19.414 ug/ml
10) T n-Eicosane (C20)	12.885	2337388	19.072 ug/ml
11) T n-Heneicosane (C21)	13.500	2317983	18.924 ug/ml
13) T n-Docosane (C22)	14.088	2293719	18.826 ug/ml
14) T n-Tetracosane (C24)	15.194	2267633	18.721 ug/ml
15) T n-Hexacosane (C26)	16.219	2213373	18.490 ug/ml
16) T n-Octacosane (C28)	17.171	2165691	18.367 ug/ml
17) T n-Tricontane (C30)	18.062	2167358	18.240 ug/ml
18) T n-Dotriacontane (C32)	18.896	2149553	18.198 ug/ml
19) T n-Tetratriacontane (C34)	19.681	2063730	18.481 ug/ml
20) T n-Hexatriacontane (C36)	20.421	2016373	18.647 ug/ml
21) T n-Octatriacontane (C38)	21.160	1977145	19.034 ug/ml
22) T n-Tetracontane (C40)	22.075	1987060	19.485 ug/ml

(f)=RT Delta > 1/2 Window

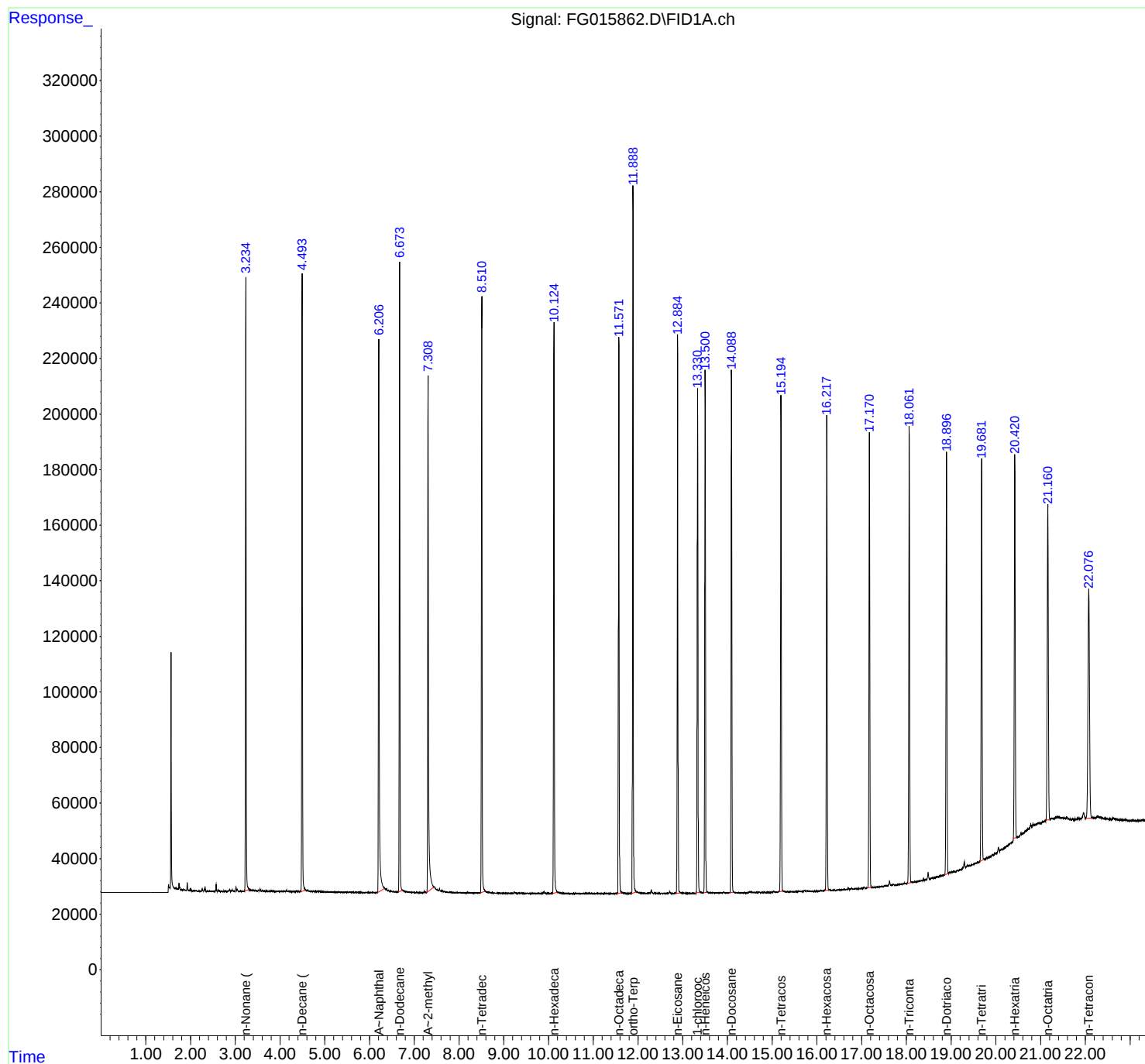
(m)=manual int.

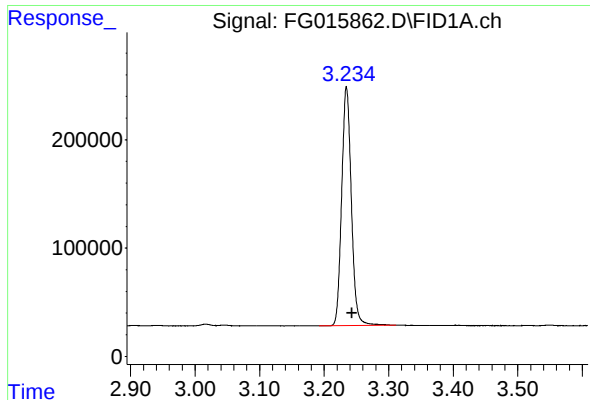
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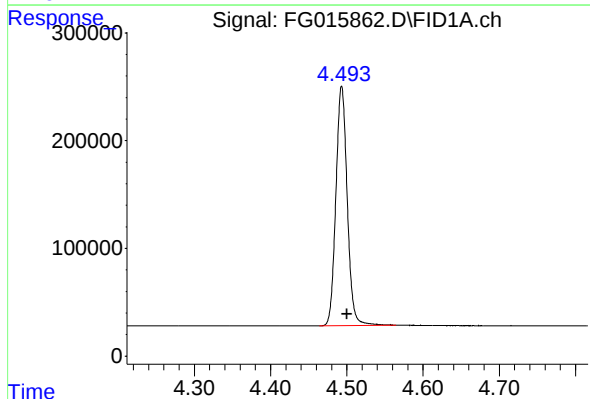




#1 n-Nonane (C9)

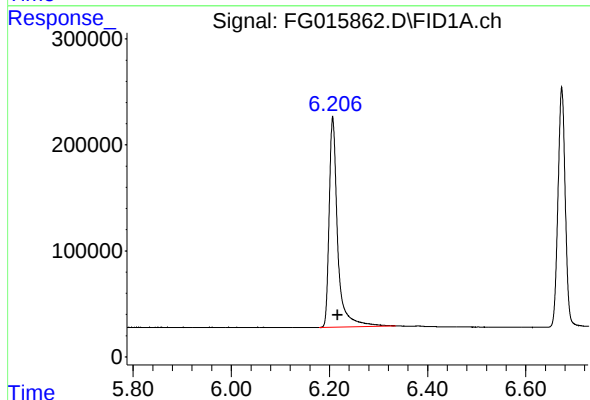
R.T.: 3.235 min
Delta R.T.: -0.008 min
Response: 2287781
Conc: 20.39 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD



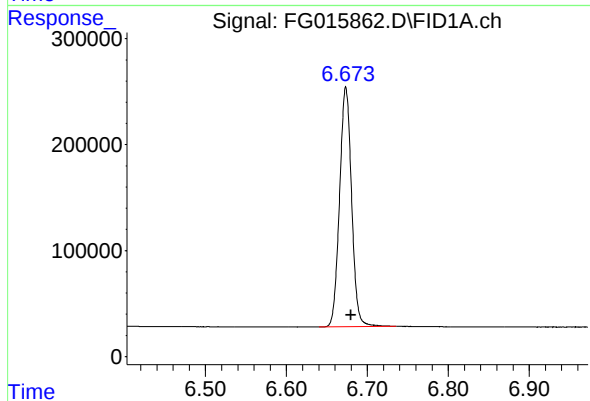
#2 n-Decane (C10)

R.T.: 4.493 min
Delta R.T.: -0.007 min
Response: 2302215
Conc: 20.35 ug/ml



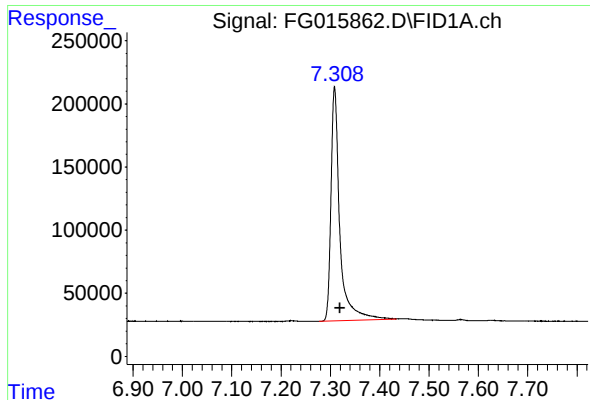
#3 A~Naphthalene (C11.7)

R.T.: 6.207 min
Delta R.T.: -0.010 min
Response: 2383353
Conc: 20.39 ug/ml



#4 n-Dodecane (C12)

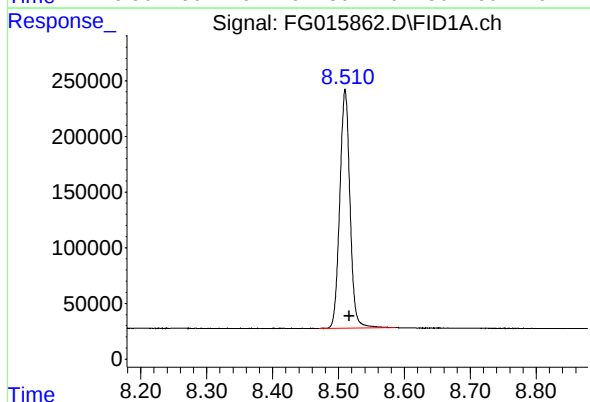
R.T.: 6.674 min
Delta R.T.: -0.006 min
Response: 2330000
Conc: 20.22 ug/ml



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

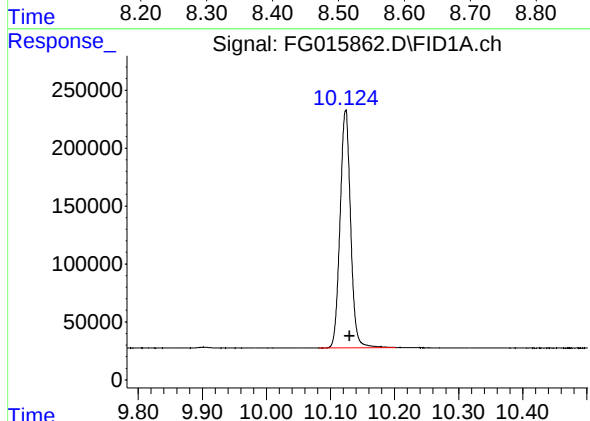
R.T.: 7.309 min
Delta R.T.: -0.011 min
Response: 2307962
Conc: 20.21 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD



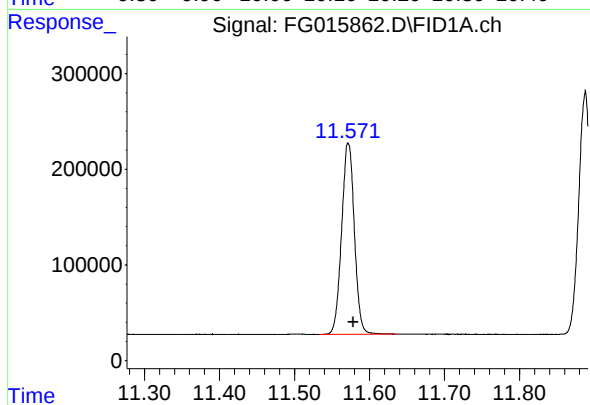
#6 n-Tetradecane (C14)

R.T.: 8.510 min
Delta R.T.: -0.006 min
Response: 2303250
Conc: 20.00 ug/ml



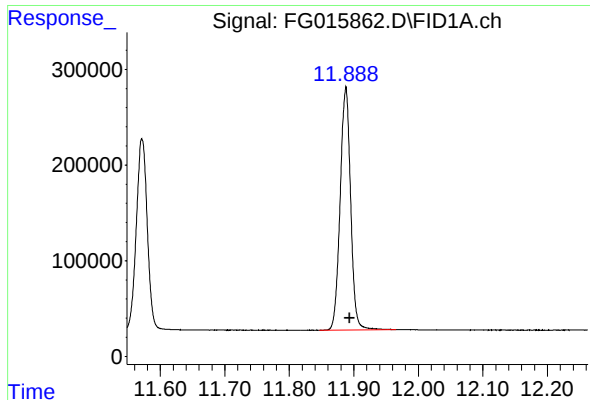
#7 n-Hexadecane (C16)

R.T.: 10.124 min
Delta R.T.: -0.007 min
Response: 2335132
Conc: 19.74 ug/ml



#8 n-Octadecane (C18)

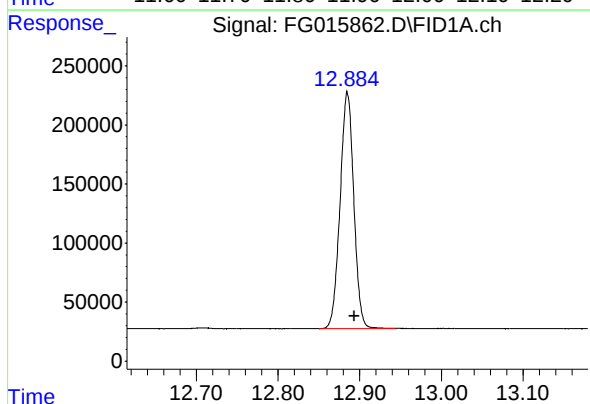
R.T.: 11.572 min
Delta R.T.: -0.007 min
Response: 2359962
Conc: 19.41 ug/ml



#9 ortho-Terphenyl (SURR)

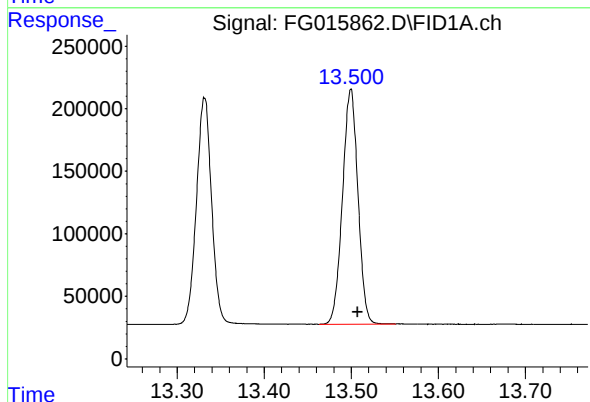
R.T.: 11.888 min
Delta R.T.: -0.006 min
Response: 2857622
Conc: 19.19 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD



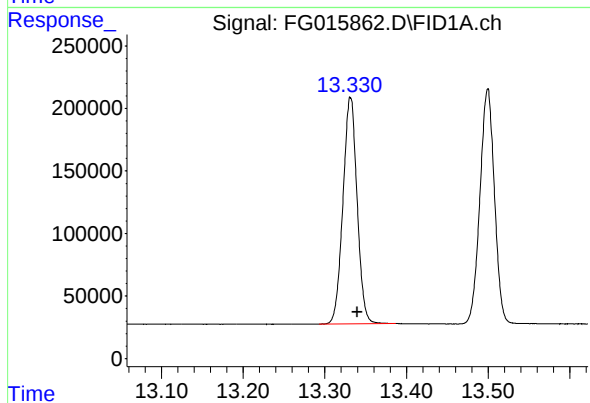
#10 n-Eicosane (C20)

R.T.: 12.885 min
Delta R.T.: -0.009 min
Response: 2337388
Conc: 19.07 ug/ml



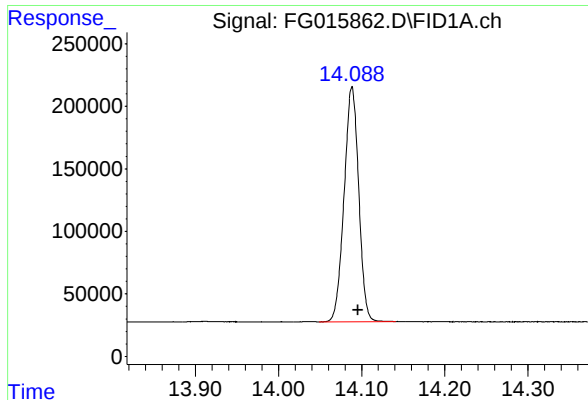
#11 n-Heneicosane (C21)

R.T.: 13.500 min
Delta R.T.: -0.008 min
Response: 2317983
Conc: 18.92 ug/ml



#12 1-chlorooctadecane (SURR)

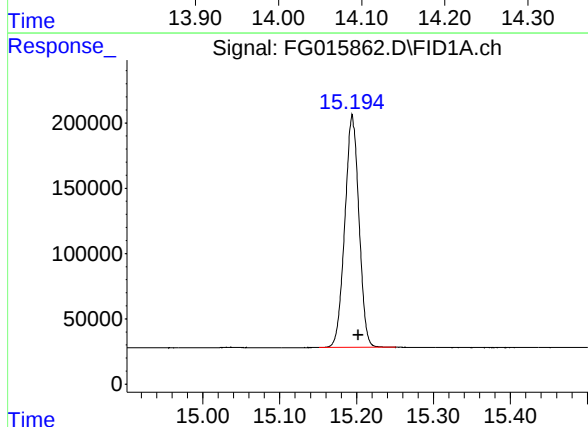
R.T.: 13.332 min
Delta R.T.: -0.008 min
Response: 2184523
Conc: 18.96 ug/ml



#13 n-Docosane (C22)

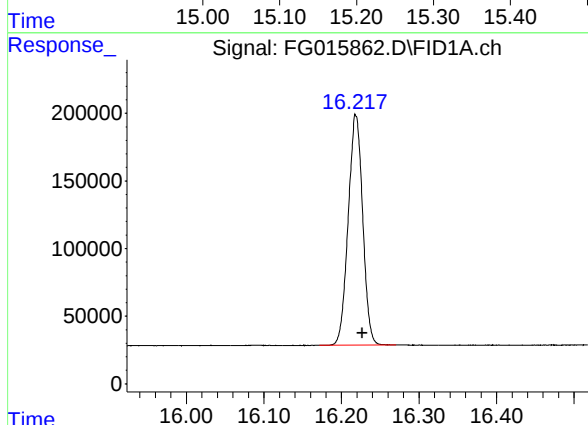
R.T.: 14.088 min
Delta R.T.: -0.007 min
Response: 2293719
Conc: 18.83 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD



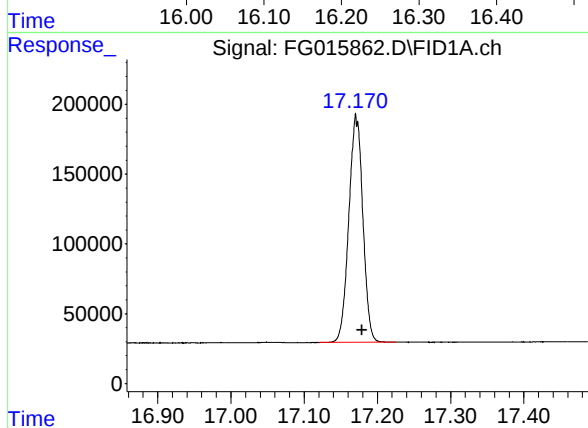
#14 n-Tetracosane (C24)

R.T.: 15.194 min
Delta R.T.: -0.008 min
Response: 2267633
Conc: 18.72 ug/ml



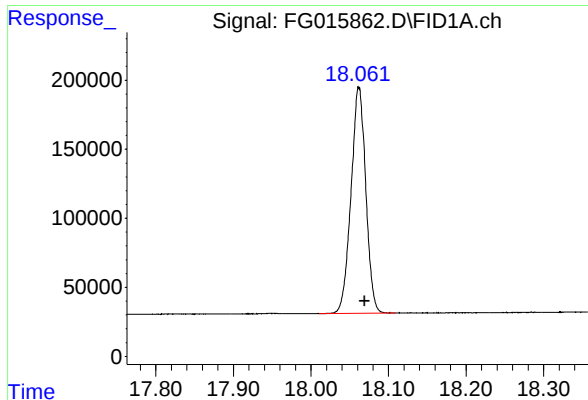
#15 n-Hexacosane (C26)

R.T.: 16.219 min
Delta R.T.: -0.008 min
Response: 2213373
Conc: 18.49 ug/ml



#16 n-Octacosane (C28)

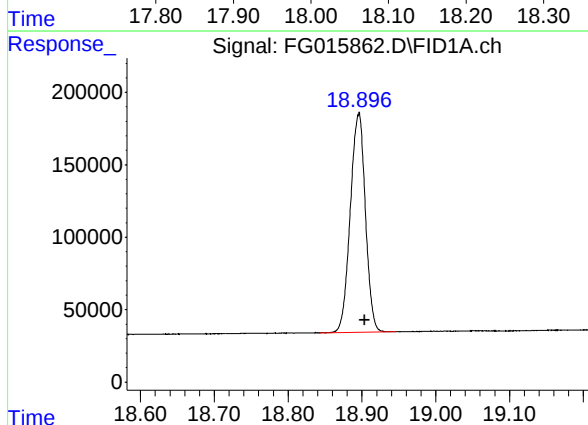
R.T.: 17.171 min
Delta R.T.: -0.008 min
Response: 2165691
Conc: 18.37 ug/ml



#17 n-Tricontane (C30)

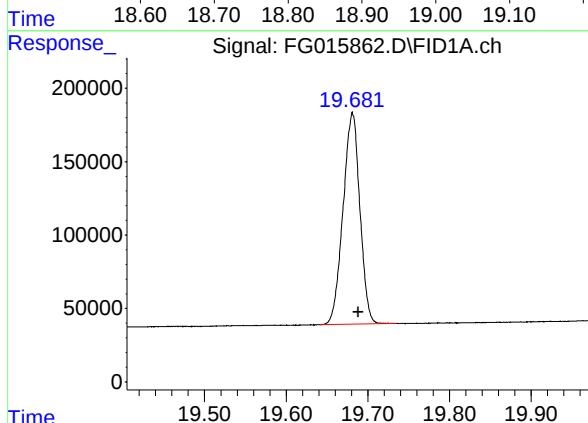
R.T.: 18.062 min
Delta R.T.: -0.007 min
Response: 2167358
Conc: 18.24 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD



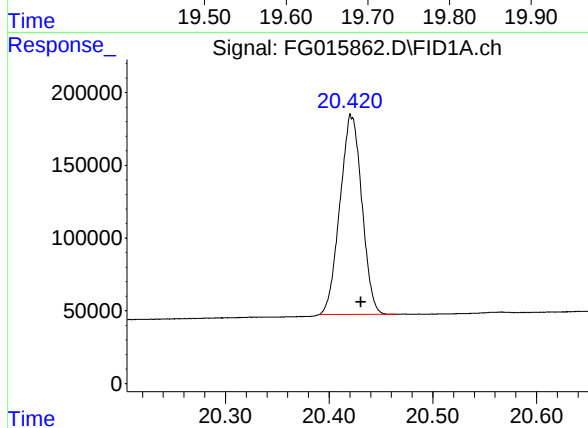
#18 n-Dotriacontane (C32)

R.T.: 18.896 min
Delta R.T.: -0.008 min
Response: 2149553
Conc: 18.20 ug/ml



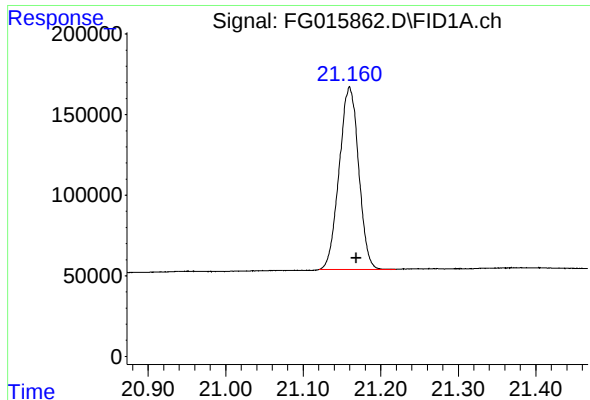
#19 n-Tetratriacontane (C34)

R.T.: 19.681 min
Delta R.T.: -0.007 min
Response: 2063730
Conc: 18.48 ug/ml



#20 n-Hexatriacontane (C36)

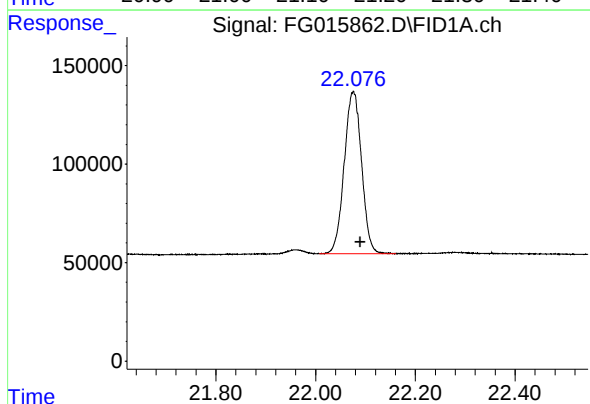
R.T.: 20.421 min
Delta R.T.: -0.009 min
Response: 2016373
Conc: 18.65 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.160 min
Delta R.T.: -0.009 min
Response: 1977145
Conc: 19.03 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.075 min
Delta R.T.: -0.014 min
Response: 1987060
Conc: 19.49 ug/ml