

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG042225AL\
 Data File : FG015745.D
 Signal(s) : FID1A.ch
 Acq On : 22 Apr 2025 19:41
 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: Apr 23 02:45:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 041725.M
 Quant Title : GC Extractables
 QLast Update : Thu Apr 17 12:40:13 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)	11.899	2753682	18.994 ug/ml
Spiked Amount 50.000		Recovery =	37.99%
12) S 1-chlorooctadecane (S...	13.343	2096181	19.822 ug/ml
Spiked Amount 50.000		Recovery =	39.64%
Target Compounds			
1) T n-Nonane (C9)	3.242	1995857	17.860 ug/ml
2) T n-Decane (C10)	4.504	2028022	18.086 ug/ml
3) T A~Naphthalene (C11.7)	6.218	2140367	18.448 ug/ml
4) T n-Dodecane (C12)	6.685	2090917	18.287 ug/ml
5) T A~2-methylnaphthalene...	7.320	2100859	18.871 ug/ml
6) T n-Tetradecane (C14)	8.522	2101898	18.445 ug/ml
7) T n-Hexadecane (C16)	10.136	2180017	18.644 ug/ml
8) T n-Octadecane (C18)	11.584	2244918	18.767 ug/ml
10) T n-Eicosane (C20)	12.898	2262653	19.015 ug/ml
11) T n-Heneicosane (C21)	13.512	2263467	19.136 ug/ml
13) T n-Docosane (C22)	14.101	2253602	19.325 ug/ml
14) T n-Tetracosane (C24)	15.207	2259958	19.610 ug/ml
15) T n-Hexacosane (C26)	16.230	2226491	19.938 ug/ml
16) T n-Octacosane (C28)	17.183	2217477	20.375 ug/ml
17) T n-Tricontane (C30)	18.073	2300505	21.121 ug/ml
18) T n-Dotriacontane (C32)	18.908	2295778	21.340 ug/ml
19) T n-Tetratriacontane (C34)	19.693	2142063	21.023 ug/ml
20) T n-Hexatriacontane (C36)	20.434	2044019	20.896 ug/ml
21) T n-Octatriacontane (C38)	21.174	1983610	21.732 ug/ml
22) T n-Tetracontane (C40)	22.095	1936494	22.930 ug/ml

(f)=RT Delta > 1/2 Window

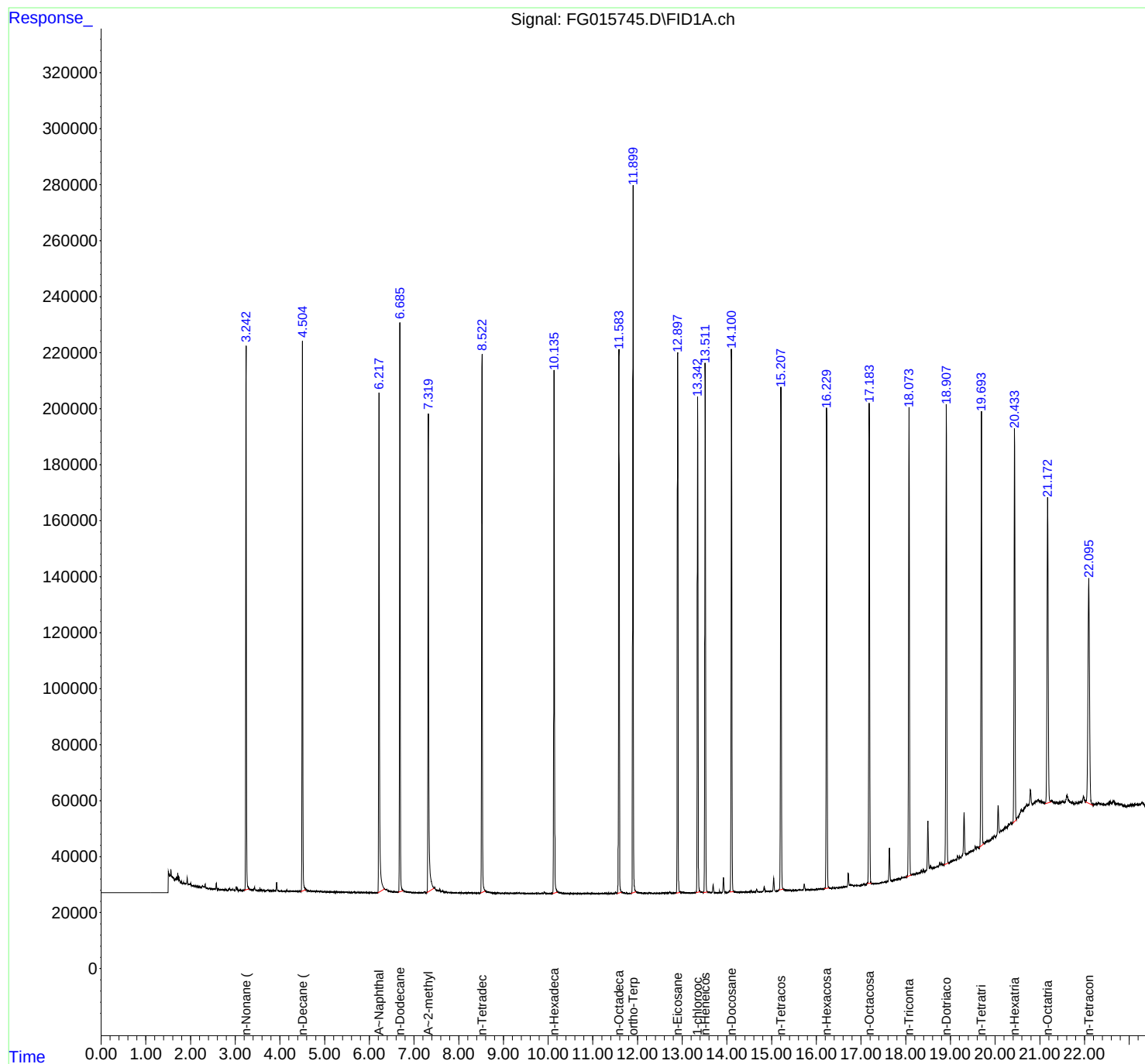
(m)=manual int.

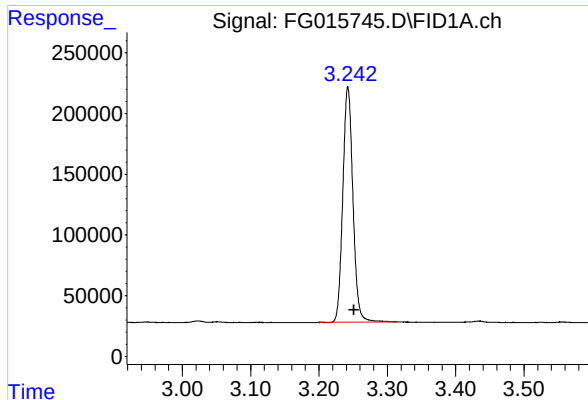
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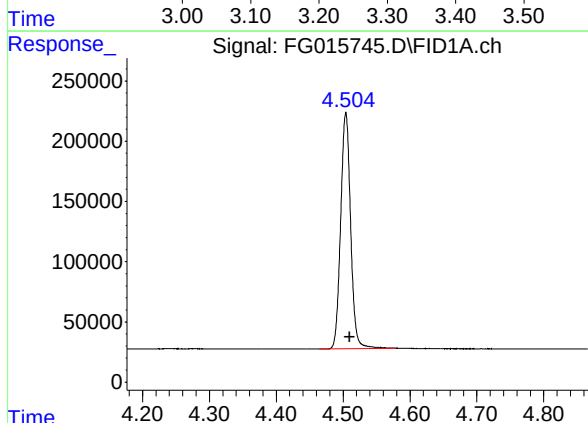




#1 n-Nonane (C9)

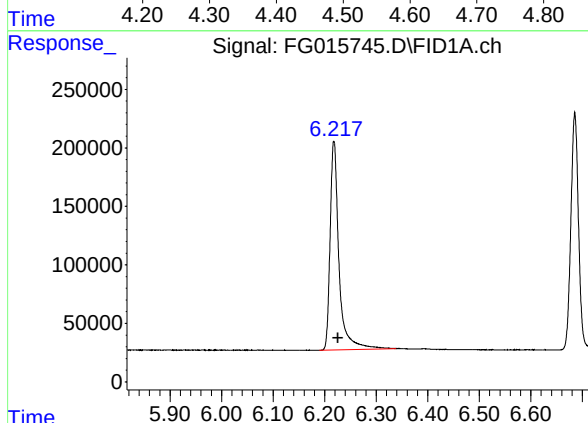
R.T.: 3.242 min
Delta R.T.: -0.009 min
Response: 1995857
Conc: 17.86 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD



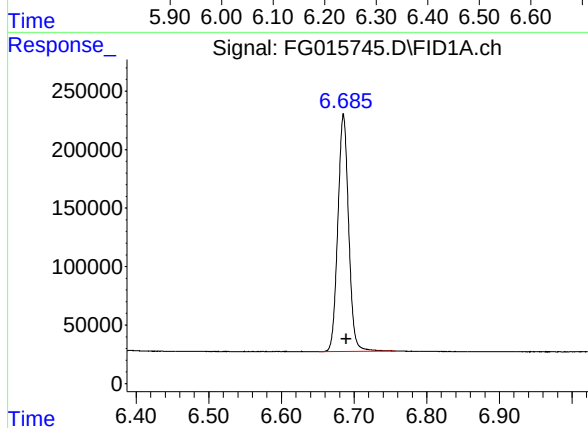
#2 n-Decane (C10)

R.T.: 4.504 min
Delta R.T.: -0.005 min
Response: 2028022
Conc: 18.09 ug/ml



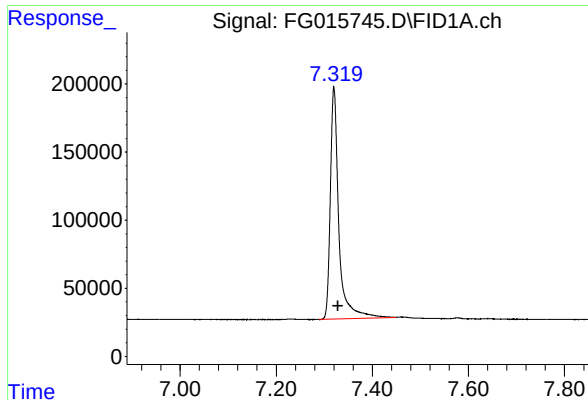
#3 A~Naphthalene (C11.7)

R.T.: 6.218 min
Delta R.T.: -0.008 min
Response: 2140367
Conc: 18.45 ug/ml



#4 n-Dodecane (C12)

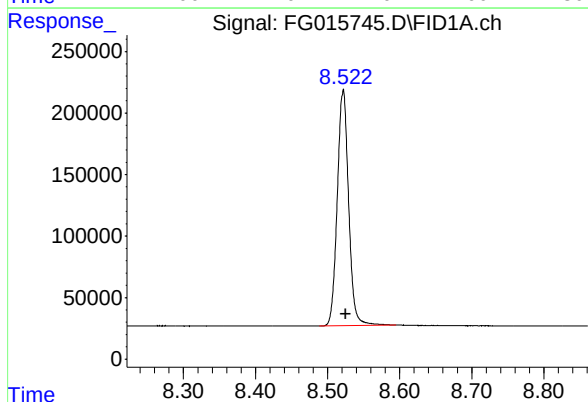
R.T.: 6.685 min
Delta R.T.: -0.004 min
Response: 2090917
Conc: 18.29 ug/ml



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

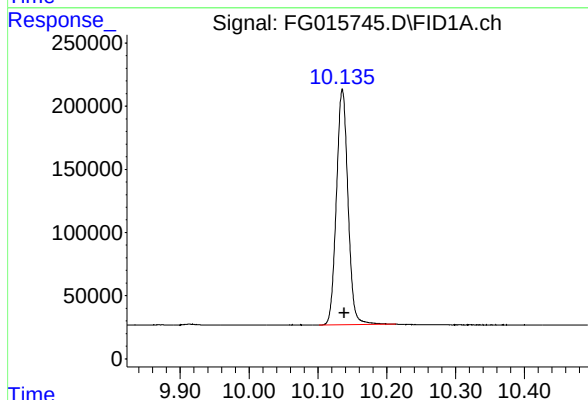
R.T.: 7.320 min
Delta R.T.: -0.008 min
Response: 2100859
Conc: 18.87 ug/ml

Instrument :
FID_G
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20 PPM ALIPHATIC HC STD



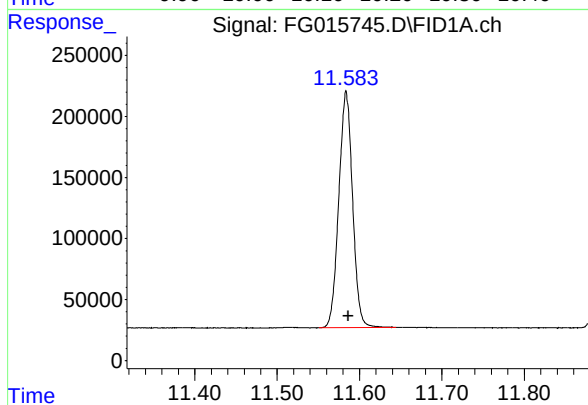
#6 n-Tetradecane (C14)

R.T.: 8.522 min
Delta R.T.: -0.003 min
Response: 2101898
Conc: 18.44 ug/ml



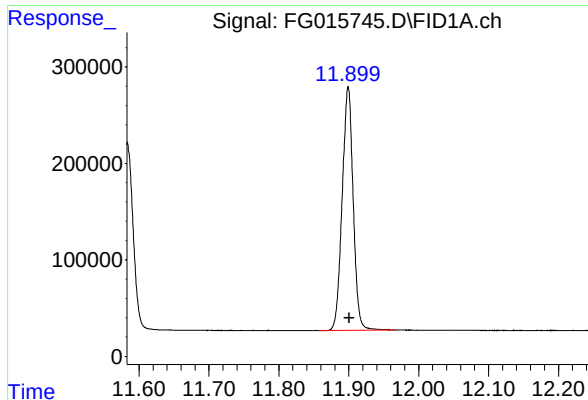
#7 n-Hexadecane (C16)

R.T.: 10.136 min
Delta R.T.: -0.003 min
Response: 2180017
Conc: 18.64 ug/ml



#8 n-Octadecane (C18)

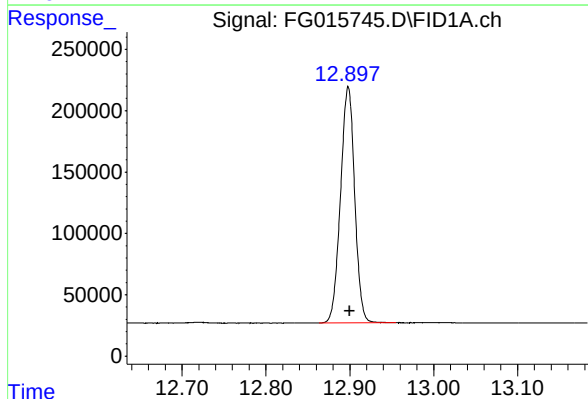
R.T.: 11.584 min
Delta R.T.: -0.002 min
Response: 2244918
Conc: 18.77 ug/ml



#9 ortho-Terphenyl (SURR)

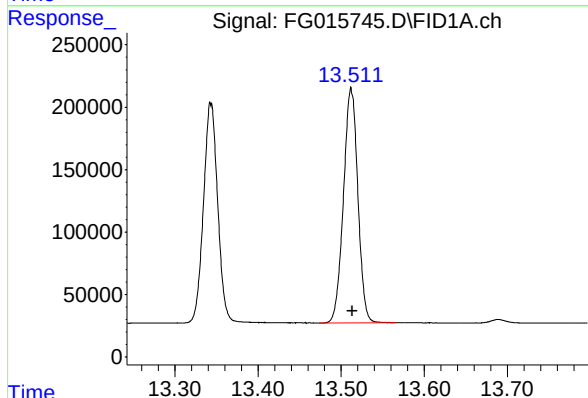
R.T.: 11.899 min
Delta R.T.: -0.002 min
Response: 2753682
Conc: 18.99 ug/ml

Instrument :
FID_G
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20 PPM ALIPHATIC HC STD



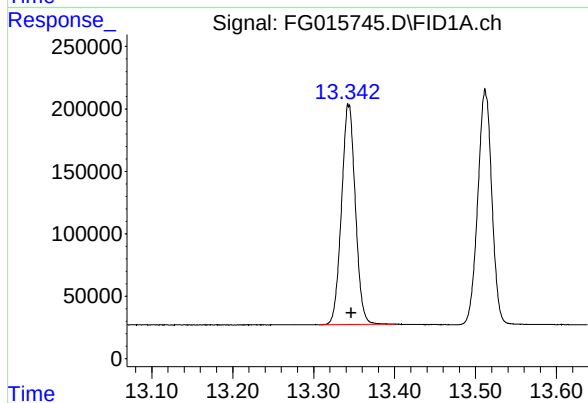
#10 n-Eicosane (C20)

R.T.: 12.898 min
Delta R.T.: -0.002 min
Response: 2262653
Conc: 19.01 ug/ml



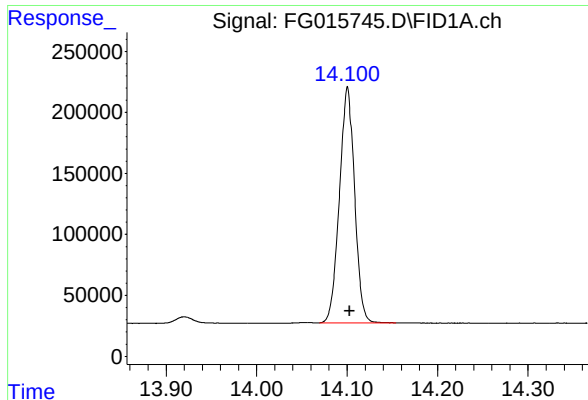
#11 n-Heneicosane (C21)

R.T.: 13.512 min
Delta R.T.: -0.002 min
Response: 2263467
Conc: 19.14 ug/ml



#12 1-chlorooctadecane (SURR)

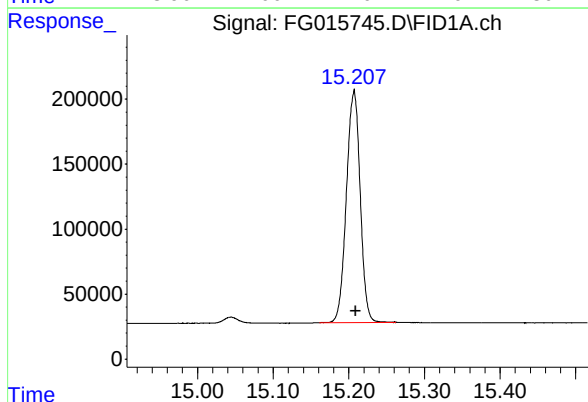
R.T.: 13.343 min
Delta R.T.: -0.003 min
Response: 2096181
Conc: 19.82 ug/ml



#13 n-Docosane (C22)

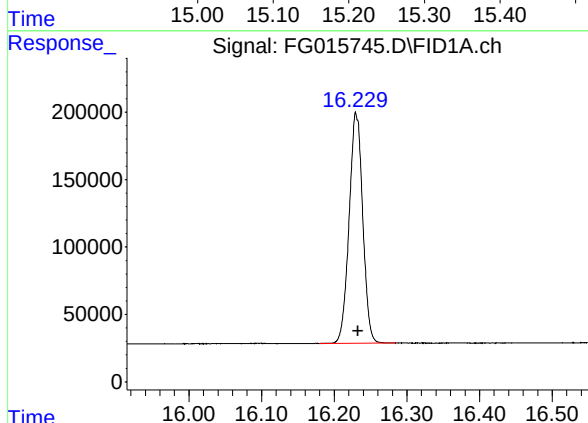
R.T.: 14.101 min
Delta R.T.: -0.002 min
Response: 2253602
Conc: 19.32 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD



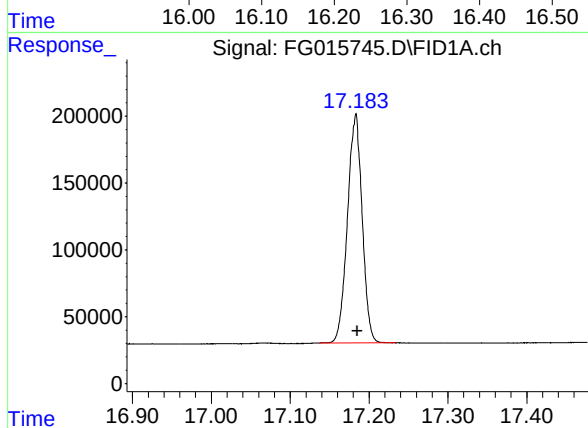
#14 n-Tetracosane (C24)

R.T.: 15.207 min
Delta R.T.: -0.002 min
Response: 2259958
Conc: 19.61 ug/ml



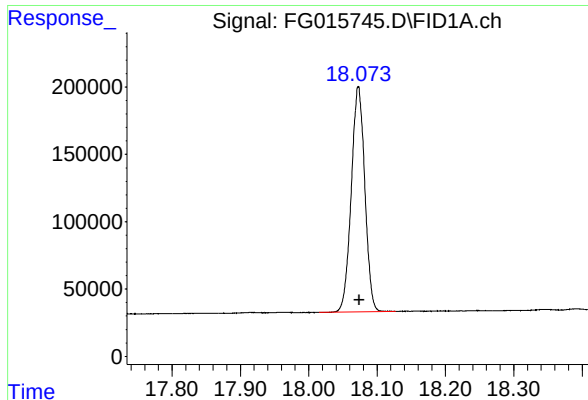
#15 n-Hexacosane (C26)

R.T.: 16.230 min
Delta R.T.: -0.003 min
Response: 2226491
Conc: 19.94 ug/ml



#16 n-Octacosane (C28)

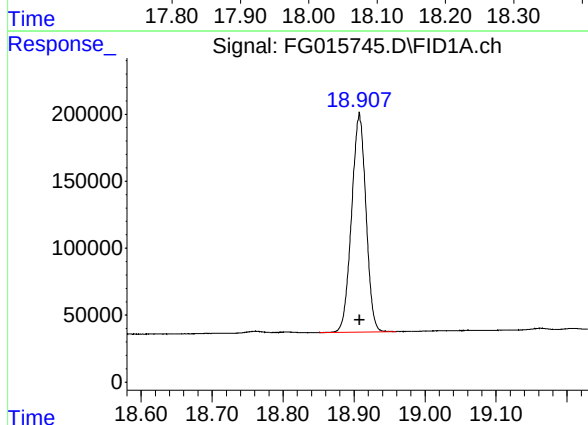
R.T.: 17.183 min
Delta R.T.: -0.002 min
Response: 2217477
Conc: 20.38 ug/ml



#17 n-Tricontane (C30)

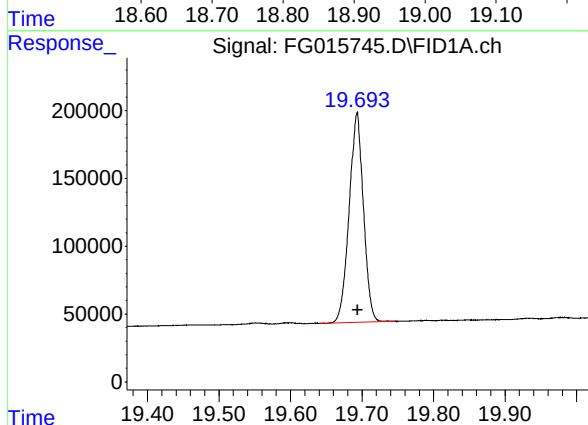
R.T.: 18.073 min
Delta R.T.: -0.001 min
Response: 2300505
Conc: 21.12 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD



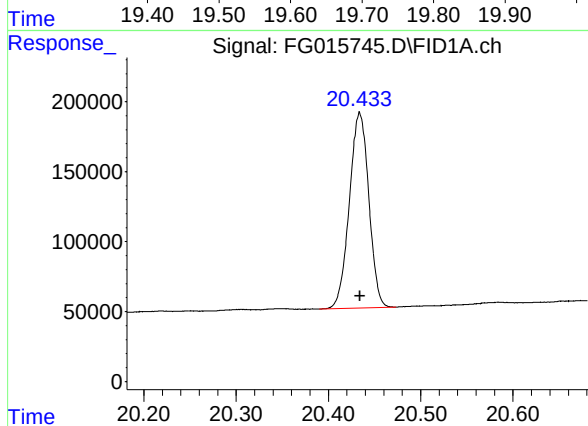
#18 n-Dotriacontane (C32)

R.T.: 18.908 min
Delta R.T.: 0.000 min
Response: 2295778
Conc: 21.34 ug/ml



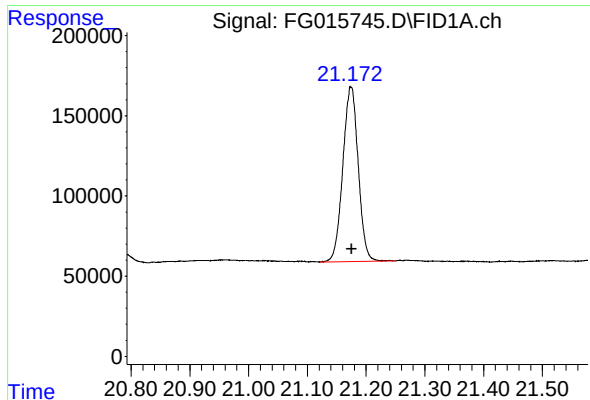
#19 n-Tetatriacontane (C34)

R.T.: 19.693 min
Delta R.T.: 0.000 min
Response: 2142063
Conc: 21.02 ug/ml



#20 n-Hexatriacontane (C36)

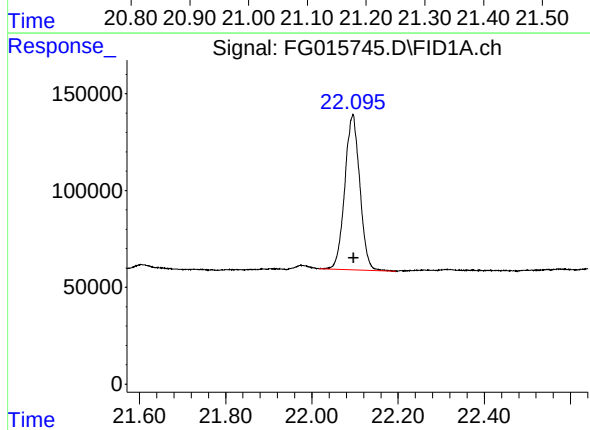
R.T.: 20.434 min
Delta R.T.: 0.000 min
Response: 2044019
Conc: 20.90 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.174 min
Delta R.T.: -0.001 min
Response: 1983610
Conc: 21.73 ug/ml

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FID_G
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#22 n-Tetracontane (C40)

R.T.: 22.095 min
Delta R.T.: -0.001 min
Response: 1936494
Conc: 22.93 ug/ml