

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061625AL\
 Data File : FG016092.D
 Signal(s) : FID1A.ch
 Acq On : 16 Jun 2025 10:18
 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: Jun 17 05:00:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 16 06:52:22 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)	12.093	2722374	21.100 ug/ml
Spiked Amount 50.000		Recovery =	42.20%
12) S 1-chlorooctadecane (S...	13.534	2114916	20.989 ug/ml
Spiked Amount 50.000		Recovery =	41.98%
Target Compounds			
1) T n-Nonane (C9)	3.420	2262712	20.913 ug/ml
2) T n-Decane (C10)	4.679	2303445	20.999 ug/ml
3) T A~Naphthalene (C11.7)	6.395	2518720	21.081 ug/ml
4) T n-Dodecane (C12)	6.858	2321674	21.085 ug/ml
5) T A~2-methylnaphthalene...	7.497	2458544	21.138 ug/ml
6) T n-Tetradecane (C14)	8.697	2311472	21.048 ug/ml
7) T n-Hexadecane (C16)	10.315	2398929	21.075 ug/ml
8) T n-Octadecane (C18)	11.768	2448969	21.037 ug/ml
10) T n-Eicosane (C20)	13.087	2393756	21.033 ug/ml
11) T n-Heneicosane (C21)	13.703	2376359	20.990 ug/ml
13) T n-Docosane (C22)	14.293	2387078	20.998 ug/ml
14) T n-Tetracosane (C24)	15.403	2414871	20.942 ug/ml
15) T n-Hexacosane (C26)	16.430	2403862	20.889 ug/ml
16) T n-Octacosane (C28)	17.386	2359373	20.789 ug/ml
17) T n-Tricontane (C30)	18.277	2373655	20.732 ug/ml
18) T n-Dotriacontane (C32)	19.113	2254454	20.677 ug/ml
19) T n-Tetratriacontane (C34)	19.901	2044798	20.668 ug/ml
20) T n-Hexatriacontane (C36)	20.642	1757375	20.704 ug/ml
21) T n-Octatriacontane (C38)	21.433	1570014	20.797 ug/ml
22) T n-Tetracontane (C40)	22.438	1444583	20.891 ug/ml

(f)=RT Delta > 1/2 Window

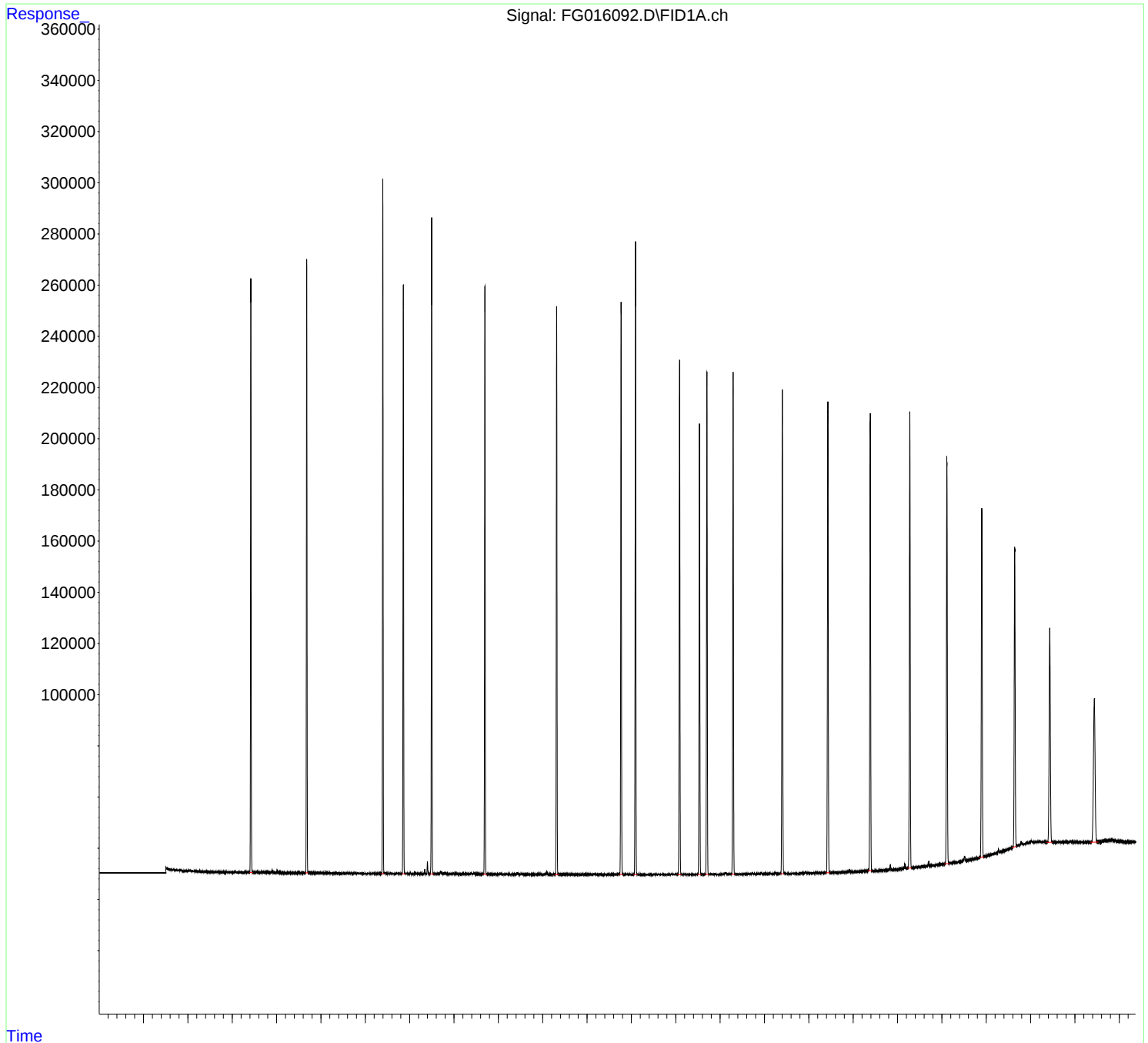
(m)=manual int.

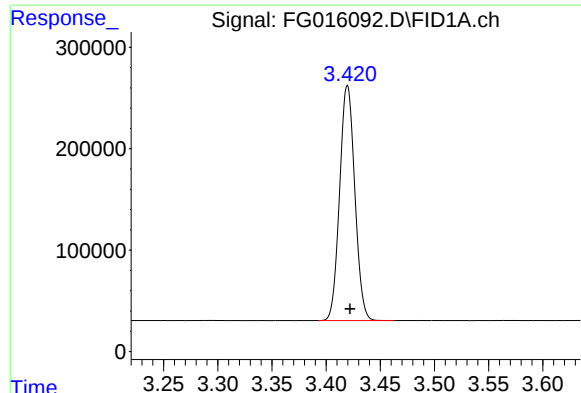
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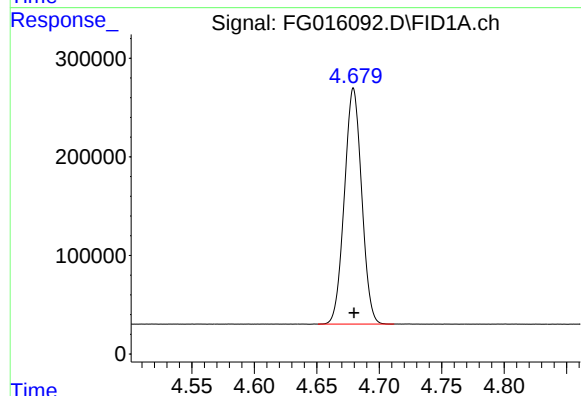




#1 n-Nonane (C9)

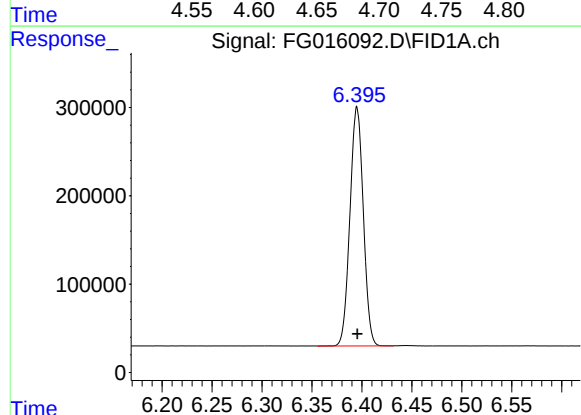
R.T.: 3.420 min
Delta R.T.: -0.002 min
Response: 2262712
Conc: 20.91 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD



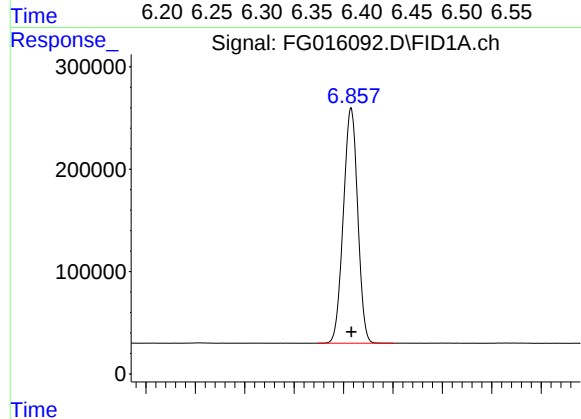
#2 n-Decane (C10)

R.T.: 4.679 min
Delta R.T.: 0.000 min
Response: 2303445
Conc: 21.00 ug/ml



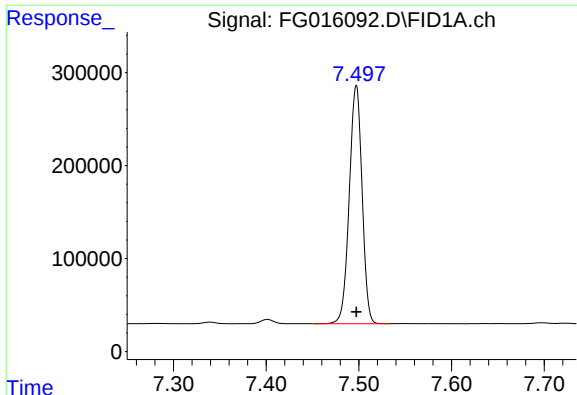
#3 A~Naphthalene (C11.7)

R.T.: 6.395 min
Delta R.T.: 0.000 min
Response: 2518720
Conc: 21.08 ug/ml



#4 n-Dodecane (C12)

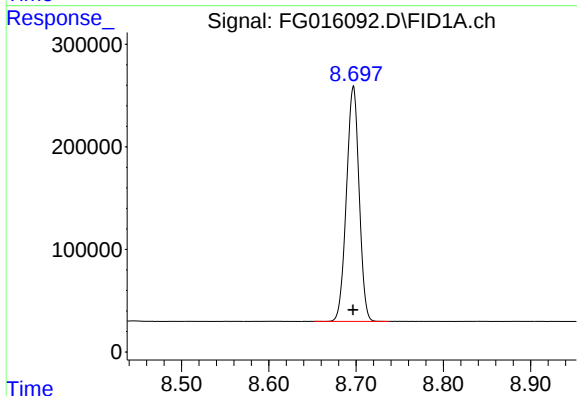
R.T.: 6.858 min
Delta R.T.: 0.000 min
Response: 2321674
Conc: 21.08 ug/ml



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

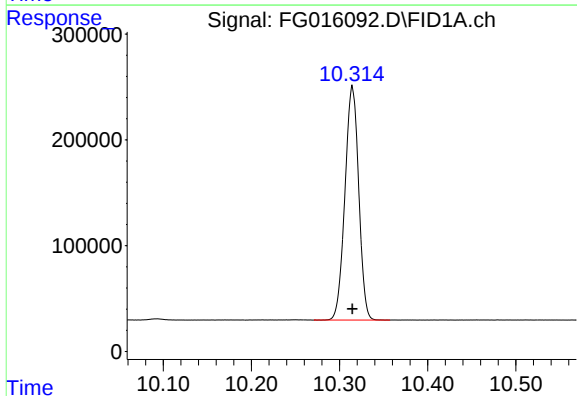
R.T.: 7.497 min
Delta R.T.: 0.000 min
Response: 2458544
Conc: 21.14 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD



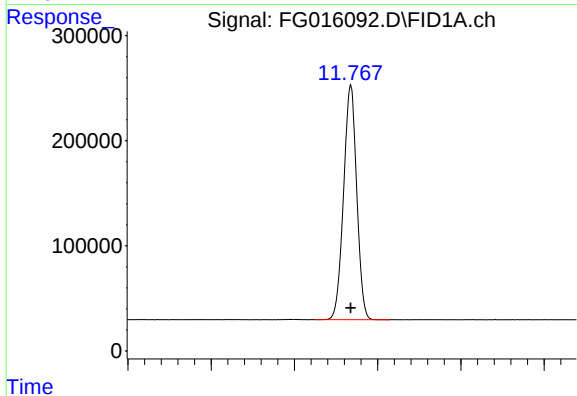
#6 n-Tetradecane (C14)

R.T.: 8.697 min
Delta R.T.: 0.000 min
Response: 2311472
Conc: 21.05 ug/ml



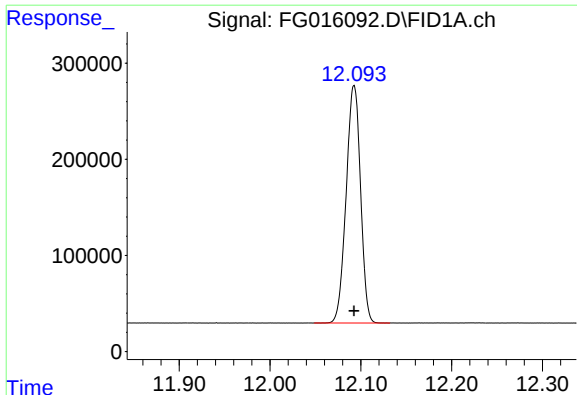
#7 n-Hexadecane (C16)

R.T.: 10.315 min
Delta R.T.: 0.000 min
Response: 2398929
Conc: 21.07 ug/ml



#8 n-Octadecane (C18)

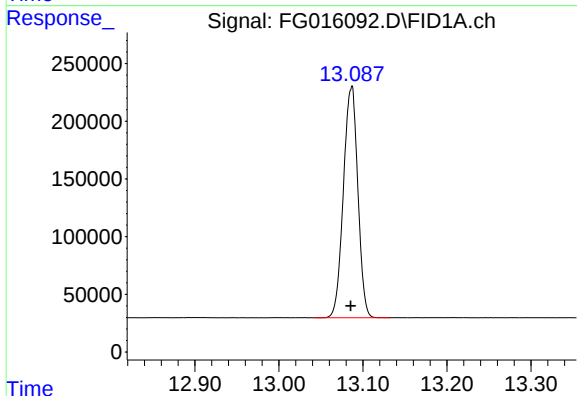
R.T.: 11.768 min
Delta R.T.: 0.000 min
Response: 2448969
Conc: 21.04 ug/ml



#9 ortho-Terphenyl (SURR)

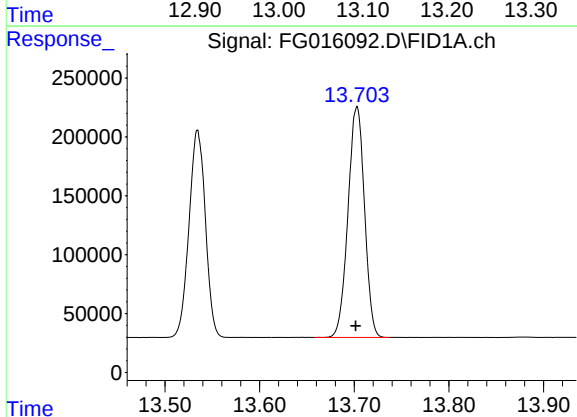
R.T.: 12.093 min
Delta R.T.: 0.000 min
Response: 2722374
Conc: 21.10 ug/ml

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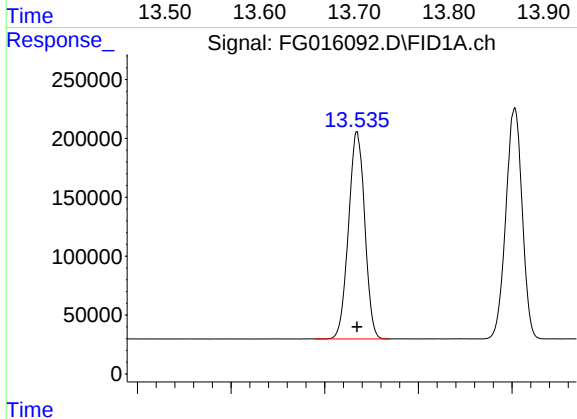
#10 n-Eicosane (C20)

R.T.: 13.087 min
Delta R.T.: 0.000 min
Response: 2393756
Conc: 21.03 ug/ml



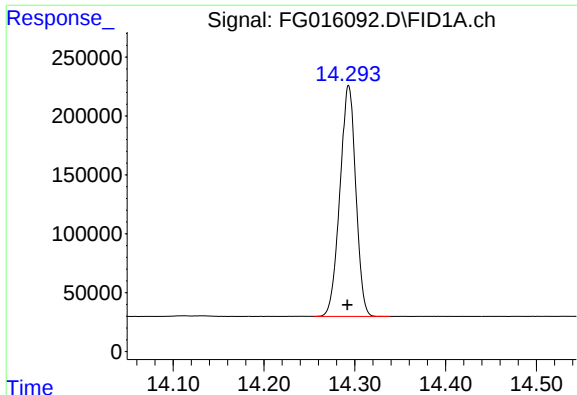
#11 n-Heneicosane (C21)

R.T.: 13.703 min
Delta R.T.: 0.001 min
Response: 2376359
Conc: 20.99 ug/ml



#12 1-chlorooctadecane (SURR)

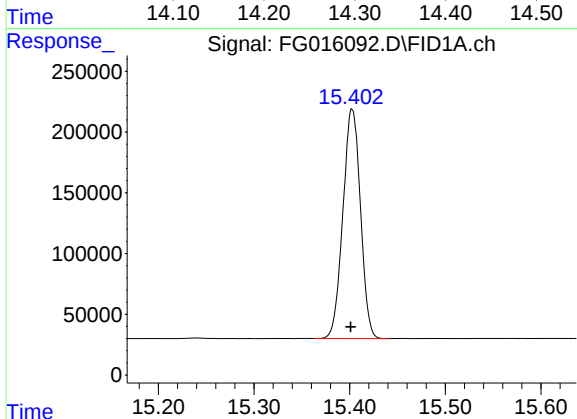
R.T.: 13.534 min
Delta R.T.: 0.000 min
Response: 2114916
Conc: 20.99 ug/ml



#13 n-Docosane (C22)

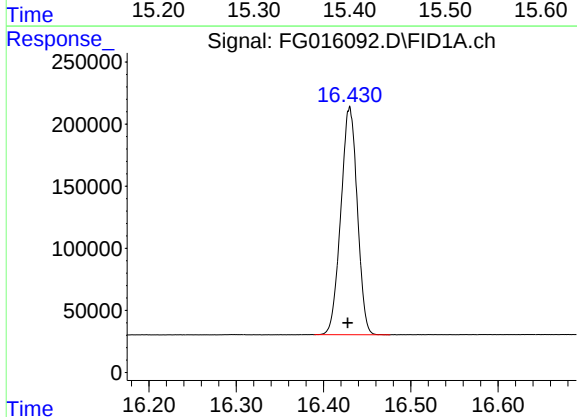
R.T.: 14.293 min
Delta R.T.: 0.001 min
Response: 2387078
Conc: 21.00 ug/ml

Instrument :
FID_G
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20 PPM ALIPHATIC HC STD



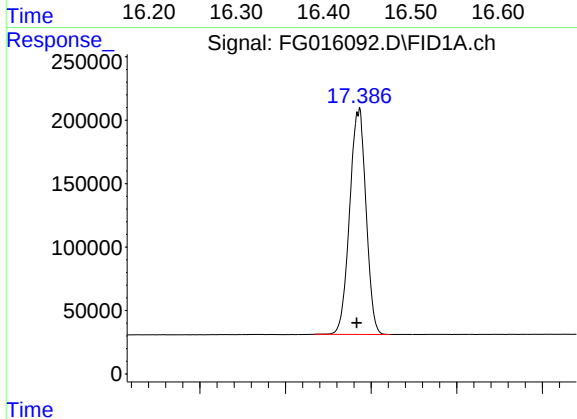
#14 n-Tetracosane (C24)

R.T.: 15.403 min
Delta R.T.: 0.001 min
Response: 2414871
Conc: 20.94 ug/ml



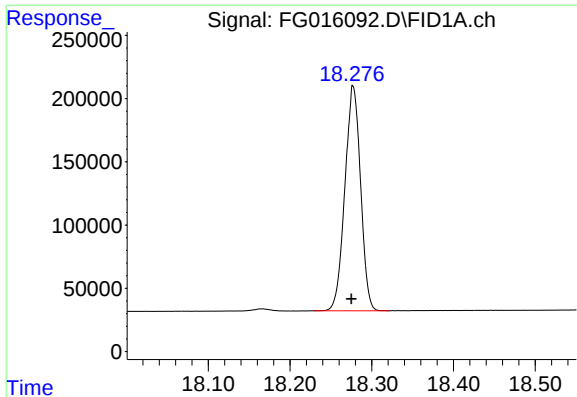
#15 n-Hexacosane (C26)

R.T.: 16.430 min
Delta R.T.: 0.002 min
Response: 2403862
Conc: 20.89 ug/ml



#16 n-Octacosane (C28)

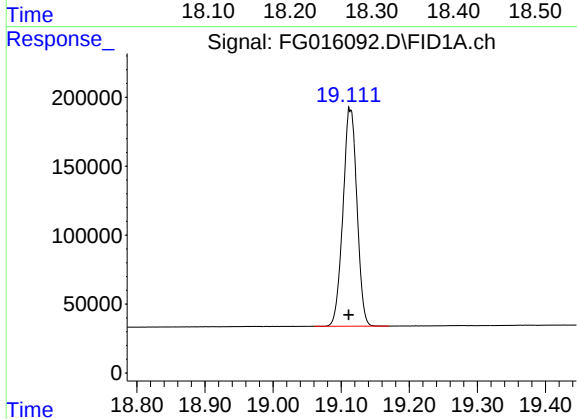
R.T.: 17.386 min
Delta R.T.: 0.003 min
Response: 2359373
Conc: 20.79 ug/ml



#17 n-Tricontane (C30)

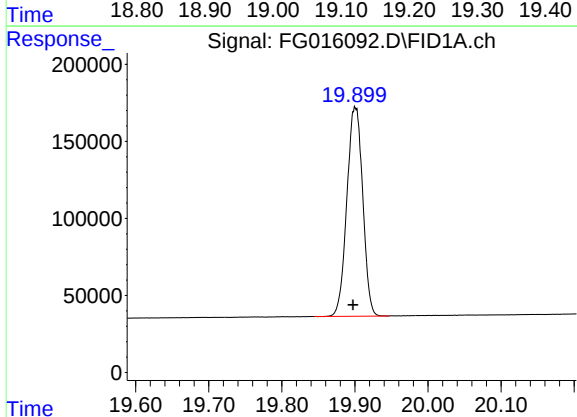
R.T.: 18.277 min
Delta R.T.: 0.002 min
Response: 2373655
Conc: 20.73 ug/ml

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FID_G
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20 PPM ALIPHATIC HC STD



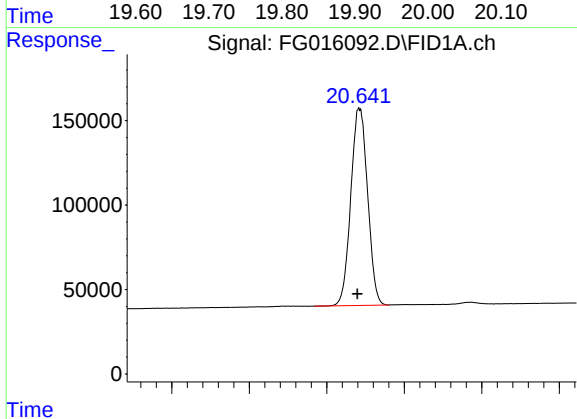
#18 n-Dotriacontane (C32)

R.T.: 19.113 min
Delta R.T.: 0.002 min
Response: 2254454
Conc: 20.68 ug/ml



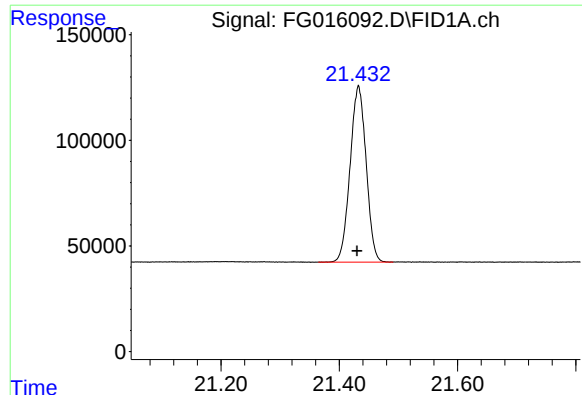
#19 n-Tetratriacontane (C34)

R.T.: 19.901 min
Delta R.T.: 0.003 min
Response: 2044798
Conc: 20.67 ug/ml



#20 n-Hexatriacontane (C36)

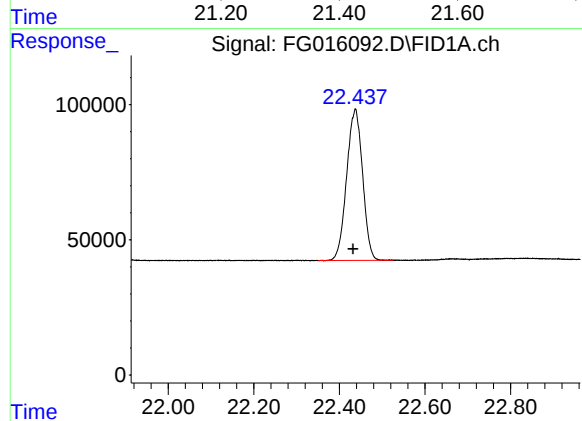
R.T.: 20.642 min
Delta R.T.: 0.002 min
Response: 1757375
Conc: 20.70 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.433 min
Delta R.T.: 0.002 min
Response: 1570014
Conc: 20.80 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.438 min
Delta R.T.: 0.006 min
Response: 1444583
Conc: 20.89 ug/ml