

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG062725AL\
 Data File : FG016167.D
 Signal(s) : FID1A.ch
 Acq On : 27 Jun 2025 22:02
 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 28 04:33:30 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)	12.090	2529586	19.605 ug/ml
Spiked Amount 50.000		Recovery =	39.21%
12) S 1-chlorooctadecane (S...	13.533	1968306	19.534 ug/ml
Spiked Amount 50.000		Recovery =	39.07%
Target Compounds			
1) T n-Nonane (C9)	3.415	2060832	19.047 ug/ml
2) T n-Decane (C10)	4.676	2104678	19.187 ug/ml
3) T A~Naphthalene (C11.7)	6.392	2309286	19.328 ug/ml
4) T n-Dodecane (C12)	6.855	2128810	19.333 ug/ml
5) T A~2-methylnaphthalene...	7.494	2260119	19.432 ug/ml
6) T n-Tetradecane (C14)	8.694	2133981	19.432 ug/ml
7) T n-Hexadecane (C16)	10.313	2220827	19.510 ug/ml
8) T n-Octadecane (C18)	11.766	2272545	19.521 ug/ml
10) T n-Eicosane (C20)	13.085	2225208	19.552 ug/ml
11) T n-Heneicosane (C21)	13.702	2213547	19.552 ug/ml
13) T n-Docosane (C22)	14.292	2230138	19.617 ug/ml
14) T n-Tetracosane (C24)	15.403	2252797	19.537 ug/ml
15) T n-Hexacosane (C26)	16.429	2244125	19.501 ug/ml
16) T n-Octacosane (C28)	17.384	2243290	19.766 ug/ml
17) T n-Tricontane (C30)	18.277	2342486	20.460 ug/ml
18) T n-Dotriacontane (C32)	19.114	2257395	20.704 ug/ml
19) T n-Tetratriacontane (C34)	19.902	2007279	20.289 ug/ml
20) T n-Hexatriacontane (C36)	20.645	1692054	19.935 ug/ml
21) T n-Octatriacontane (C38)	21.432	1496906	19.829 ug/ml
22) T n-Tetracontane (C40)	22.433	1384950	20.029 ug/ml

(f)=RT Delta > 1/2 Window

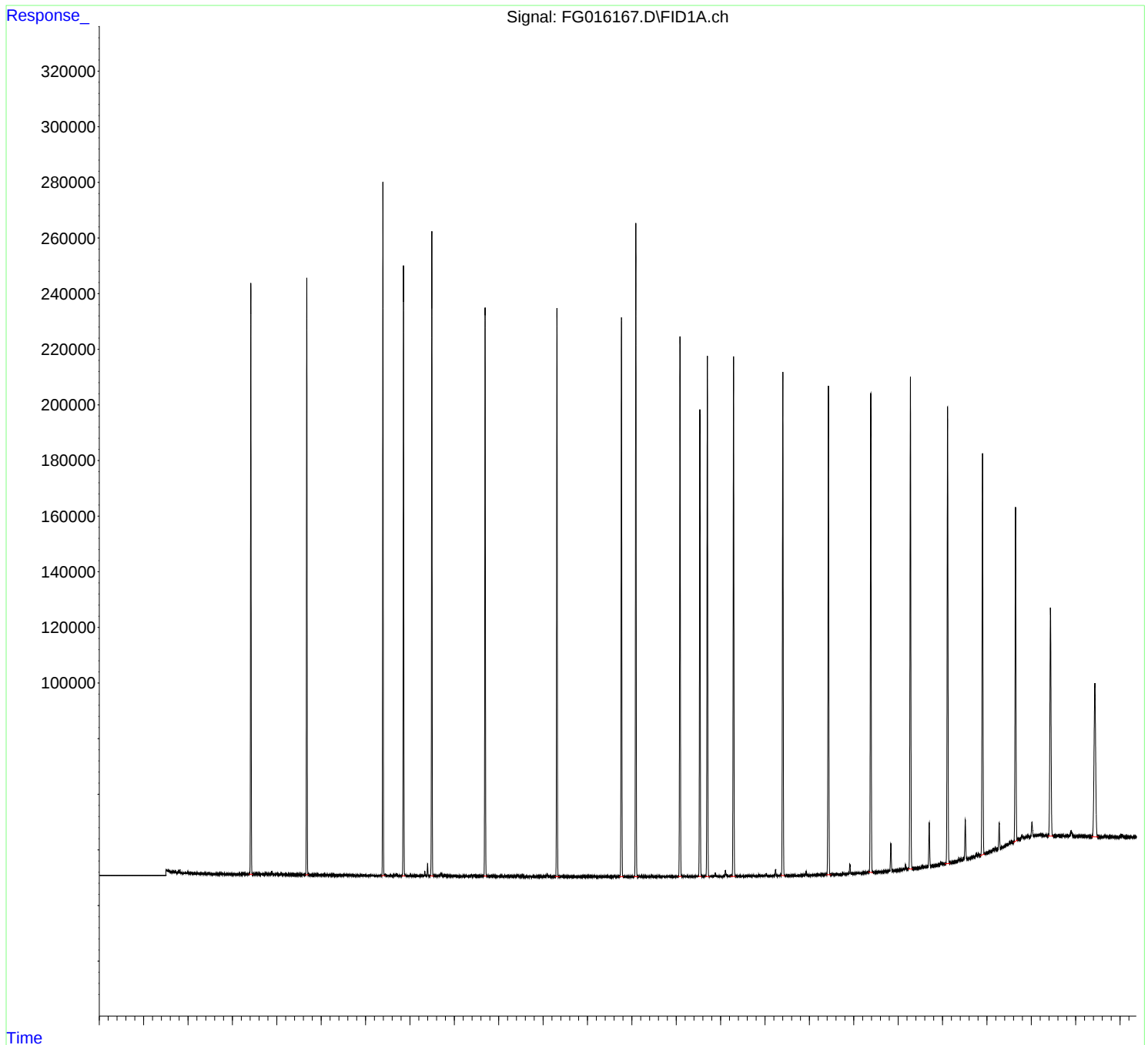
(m)=manual int.

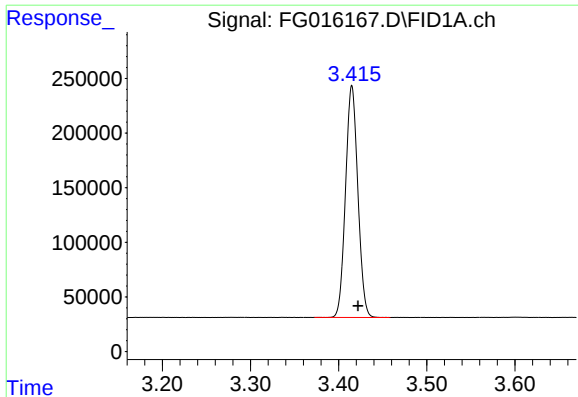
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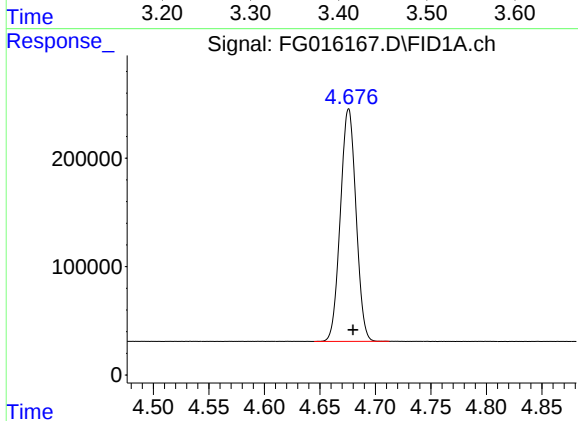




#1 n-Nonane (C9)

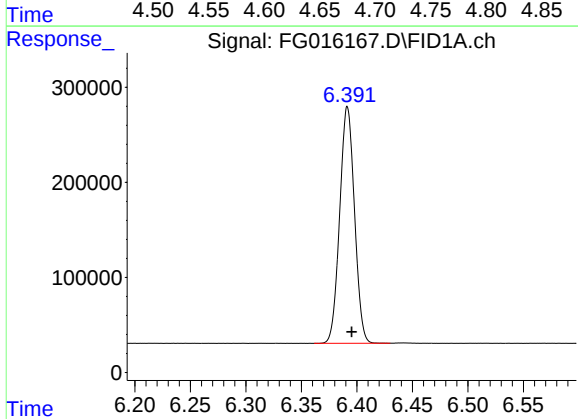
R.T.: 3.415 min
Delta R.T.: -0.007 min
Response: 2060832
Conc: 19.05 ug/ml

Instrument :
FID_G
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20 PPM ALIPHATIC HC STD



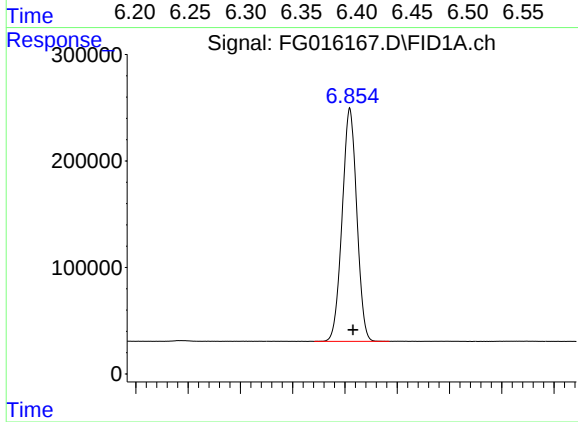
#2 n-Decane (C10)

R.T.: 4.676 min
Delta R.T.: -0.004 min
Response: 2104678
Conc: 19.19 ug/ml



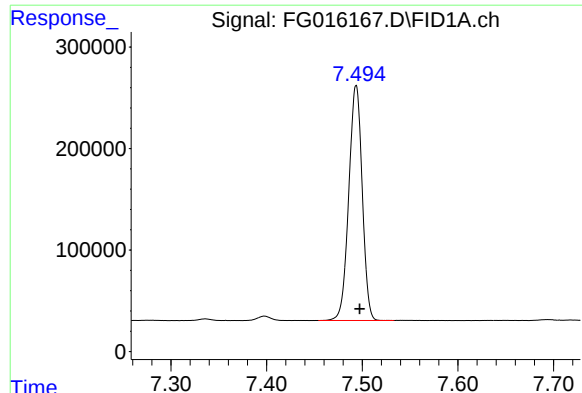
#3 A~Naphthalene (C11.7)

R.T.: 6.392 min
Delta R.T.: -0.004 min
Response: 2309286
Conc: 19.33 ug/ml



#4 n-Dodecane (C12)

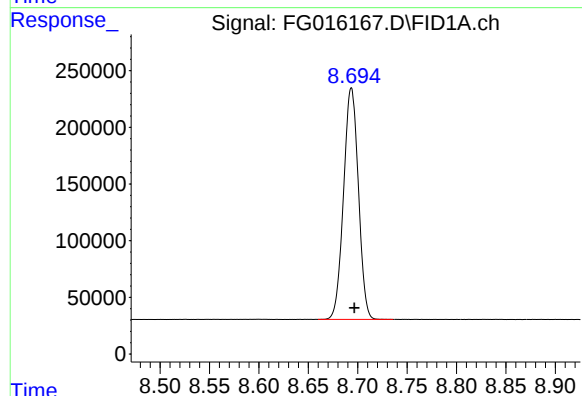
R.T.: 6.855 min
Delta R.T.: -0.003 min
Response: 2128810
Conc: 19.33 ug/ml



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

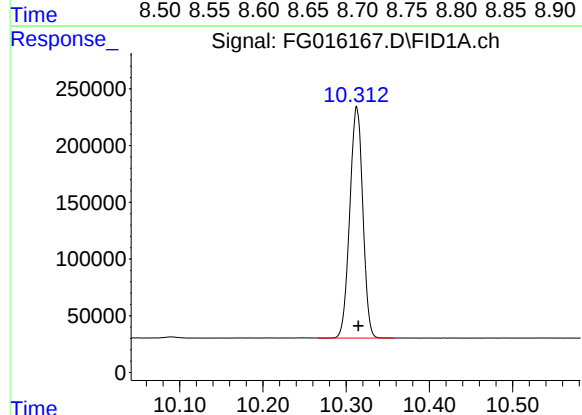
R.T.: 7.494 min
Delta R.T.: -0.004 min
Response: 2260119
Conc: 19.43 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD



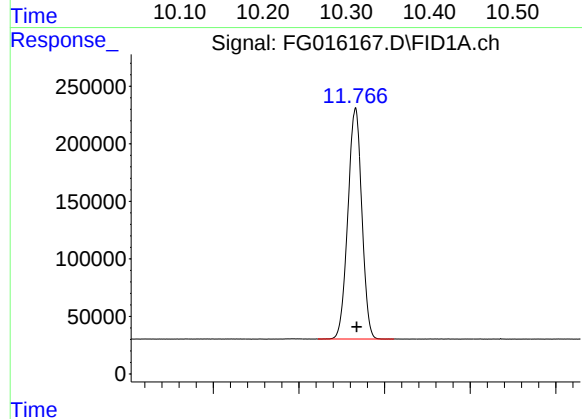
#6 n-Tetradecane (C14)

R.T.: 8.694 min
Delta R.T.: -0.003 min
Response: 2133981
Conc: 19.43 ug/ml



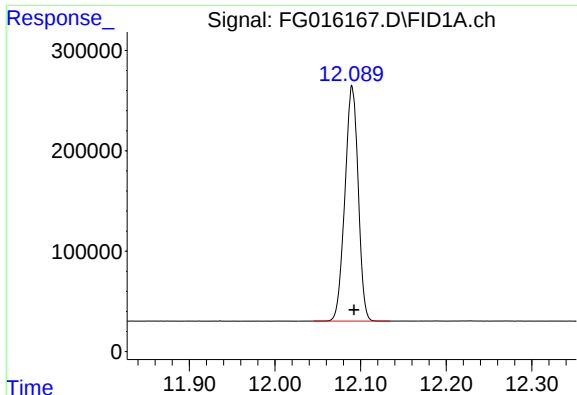
#7 n-Hexadecane (C16)

R.T.: 10.313 min
Delta R.T.: -0.002 min
Response: 2220827
Conc: 19.51 ug/ml



#8 n-Octadecane (C18)

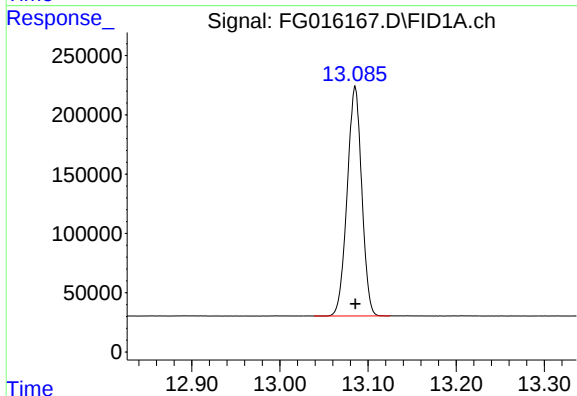
R.T.: 11.766 min
Delta R.T.: -0.001 min
Response: 2272545
Conc: 19.52 ug/ml



#9 ortho-Terphenyl (SURR)

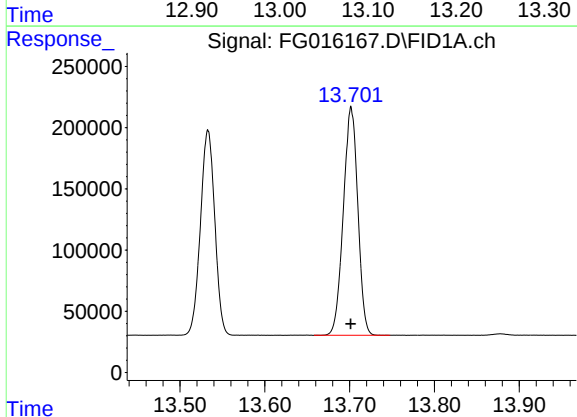
R.T.: 12.090 min
Delta R.T.: -0.002 min
Response: 2529586
Conc: 19.61 ug/ml

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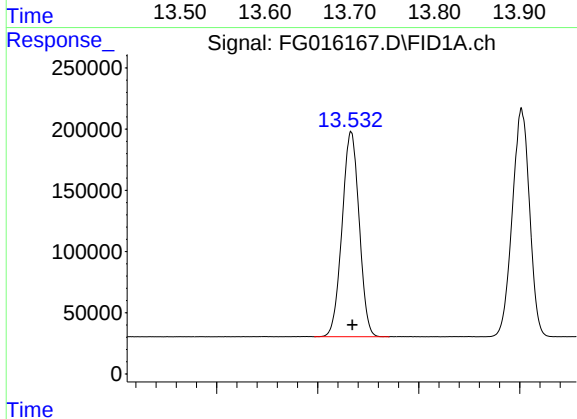
#10 n-Eicosane (C20)

R.T.: 13.085 min
Delta R.T.: 0.000 min
Response: 2225208
Conc: 19.55 ug/ml



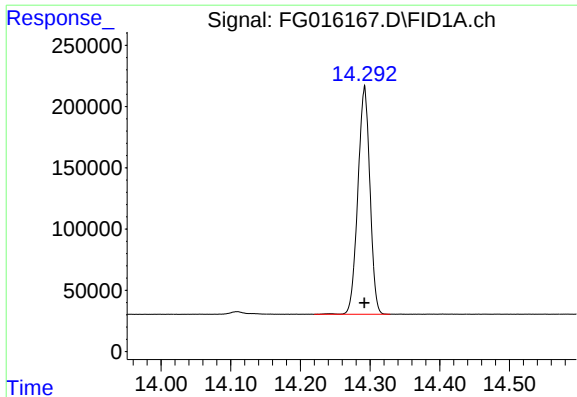
#11 n-Heneicosane (C21)

R.T.: 13.702 min
Delta R.T.: 0.000 min
Response: 2213547
Conc: 19.55 ug/ml



#12 1-chlorooctadecane (SURR)

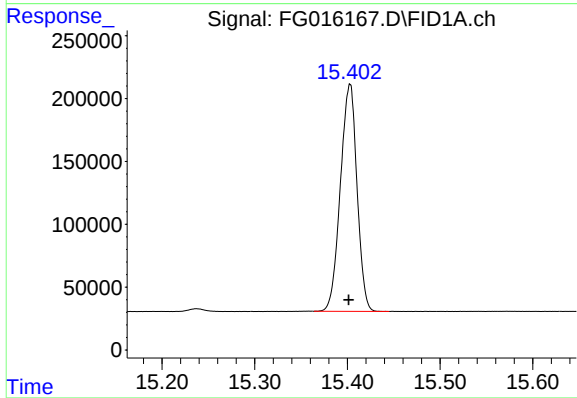
R.T.: 13.533 min
Delta R.T.: -0.001 min
Response: 1968306
Conc: 19.53 ug/ml



#13 n-Docosane (C22)

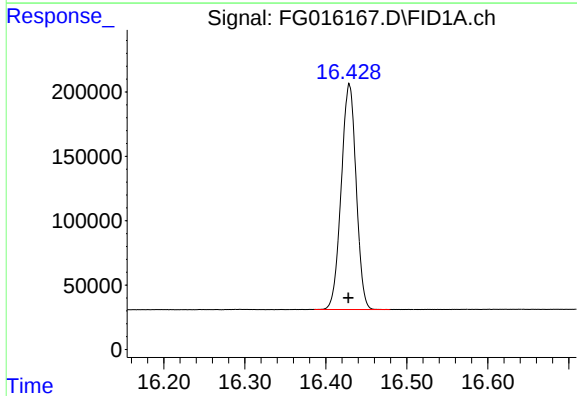
R.T.: 14.292 min
Delta R.T.: 0.000 min
Response: 2230138
Conc: 19.62 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD



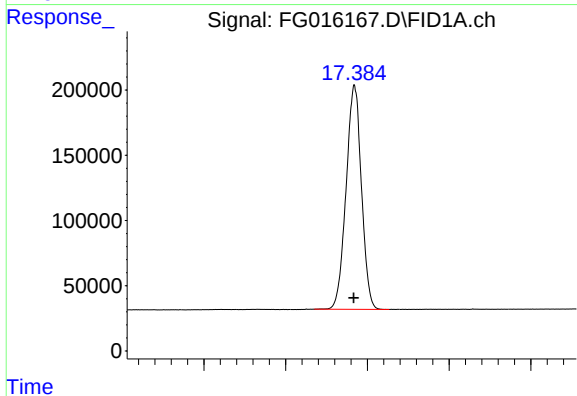
#14 n-Tetracosane (C24)

R.T.: 15.403 min
Delta R.T.: 0.002 min
Response: 2252797
Conc: 19.54 ug/ml



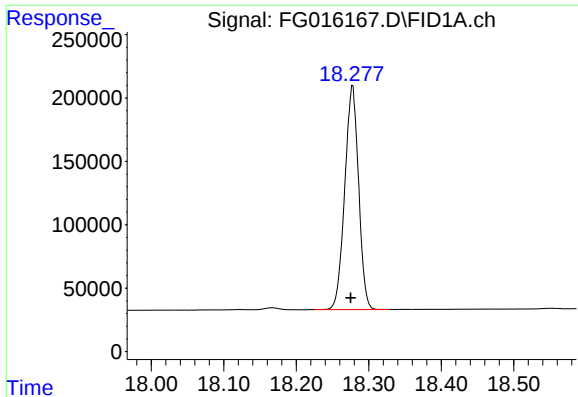
#15 n-Hexacosane (C26)

R.T.: 16.429 min
Delta R.T.: 0.001 min
Response: 2244125
Conc: 19.50 ug/ml



#16 n-Octacosane (C28)

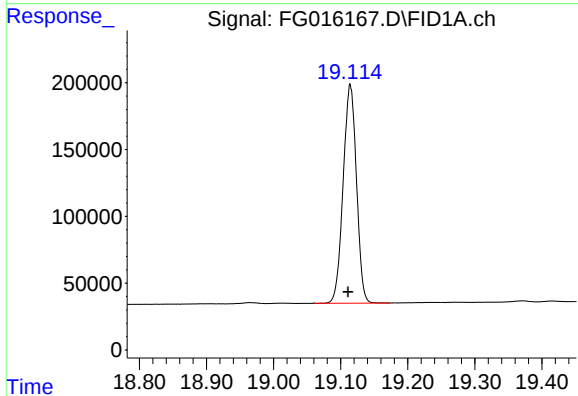
R.T.: 17.384 min
Delta R.T.: 0.000 min
Response: 2243290
Conc: 19.77 ug/ml



#17 n-Tricontane (C30)

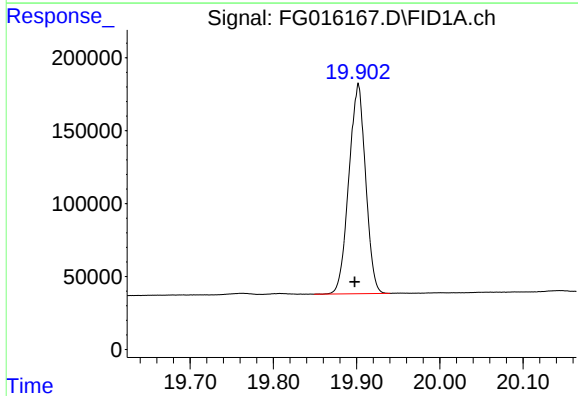
R.T.: 18.277 min
Delta R.T.: 0.002 min
Response: 2342486
Conc: 20.46 ug/ml

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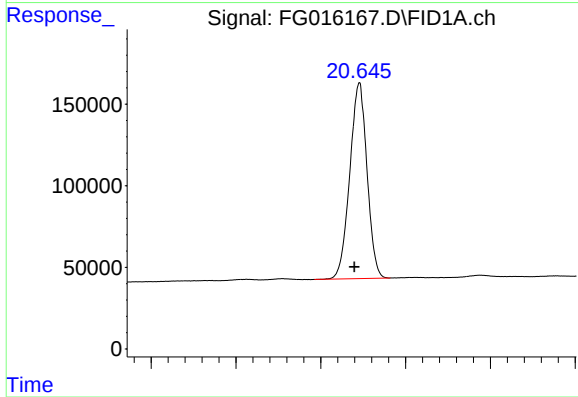
#18 n-Dotriacontane (C32)

R.T.: 19.114 min
Delta R.T.: 0.003 min
Response: 2257395
Conc: 20.70 ug/ml



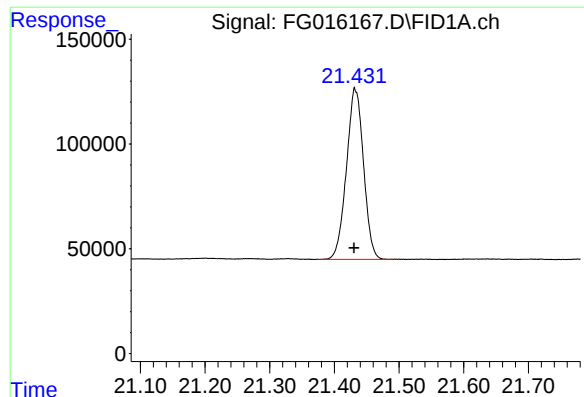
#19 n-Tetratriacontane (C34)

R.T.: 19.902 min
Delta R.T.: 0.005 min
Response: 2007279
Conc: 20.29 ug/ml



#20 n-Hexatriacontane (C36)

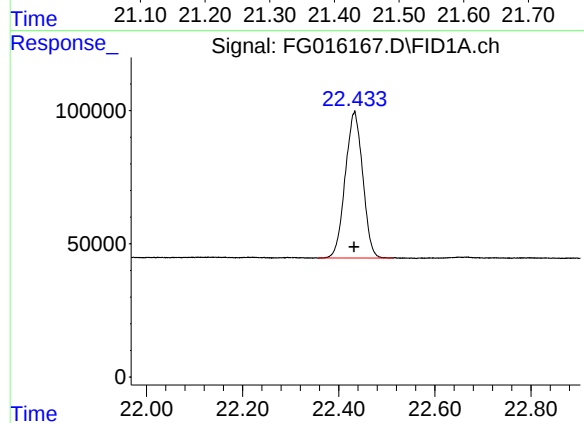
R.T.: 20.645 min
Delta R.T.: 0.006 min
Response: 1692054
Conc: 19.93 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.432 min
Delta R.T.: 0.001 min
Response: 1496906
Conc: 19.83 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.433 min
Delta R.T.: 0.001 min
Response: 1384950
Conc: 20.03 ug/ml