

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082225AL\
 Data File : FC069707.D
 Signal(s) : FID1A.ch
 Acq On : 22 Aug 2025 13:18
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/25/2025
 Supervised By :mohammad ahmed 08/26/2025

Integration File: autoint1.e
 Quant Time: Aug 25 01:08:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 Qlast Update : Fri Aug 01 14:14:17 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)	11.662	2754065	18.461 ug/ml
Spiked Amount 50.000		Recovery =	36.92%
12) S 1-chlorooctadecane (S...	13.098	1954672	17.929 ug/ml
Spiked Amount 50.000		Recovery =	35.86%
Target Compounds			
1) T n-Nonane (C9)	3.398	2586283	18.153 ug/ml
2) T n-Decane (C10)	4.470	2655839	18.268 ug/ml
3) T A~Naphthalene (C11.7)	6.064	2850501	18.371 ug/ml
4) T n-Dodecane (C12)	6.494	2662543	18.214 ug/ml
5) T A~2-methylnaphthalene...	7.122	2699955	18.333 ug/ml
6) T n-Tetradecane (C14)	8.292	2623334	18.382 ug/ml
7) T n-Hexadecane (C16)	9.896	2648521	18.372 ug/ml
8) T n-Octadecane (C18)	11.340	2601946	18.400 ug/ml
10) T n-Eicosane (C20)	12.652	2418459	18.359 ug/ml
11) T n-Heneicosane (C21)	13.264	2339949	18.346 ug/ml
13) T n-Docosane (C22)	13.852	2289824	18.330 ug/ml
14) T n-Tetracosane (C24)	14.956	2206515	18.285 ug/ml
15) T n-Hexacosane (C26)	15.979	2103308	18.203 ug/ml
16) T n-Octacosane (C28)	16.931	2028442	18.097 ug/ml
17) T n-Tricontane (C30)	17.819	2068782	18.069 ug/ml
18) T n-Dotriacontane (C32)	18.653	2022787	18.210 ug/ml
19) T n-Tetratriacontane (C34)	19.437	1835350	18.025 ug/ml
20) T n-Hexatriacontane (C36)	20.177	1550687	17.391 ug/ml
21) T n-Octatriacontane (C38)	20.942	1319819	16.407 ug/ml
22) T n-Tetracontane (C40)	21.901	1108363	14.802 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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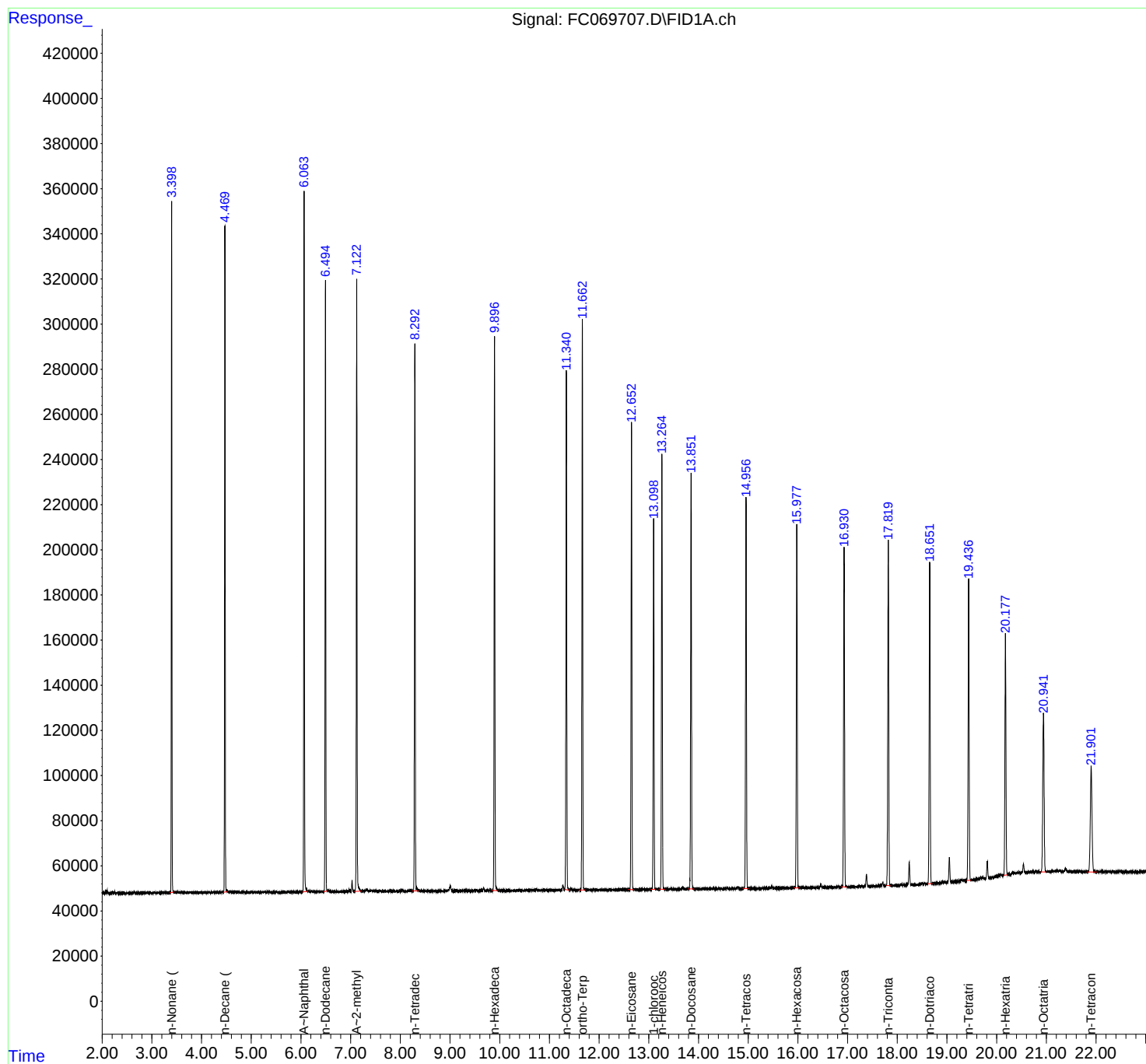
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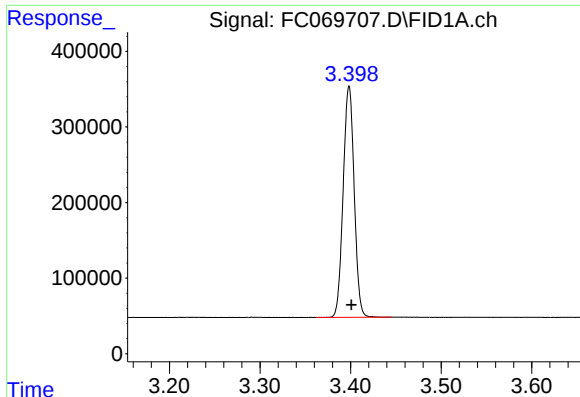
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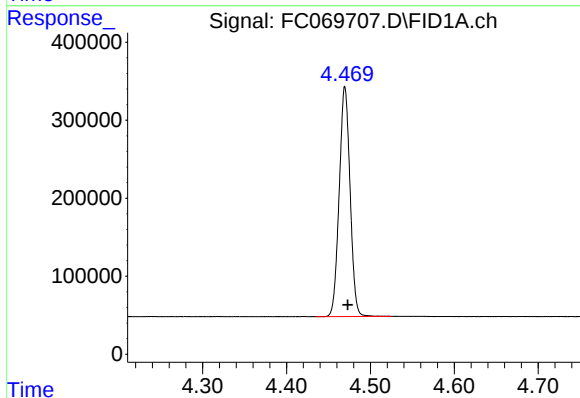
#1 n-Nonane (C9)

R.T.: 3.398 min
Delta R.T.: -0.003 min
Response: 2586283
Conc: 18.15 ug/ml

Instrument :
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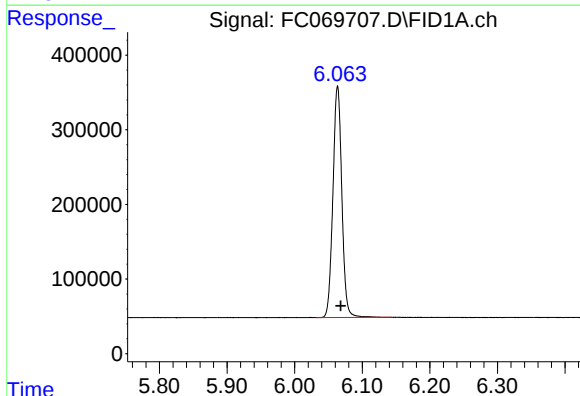
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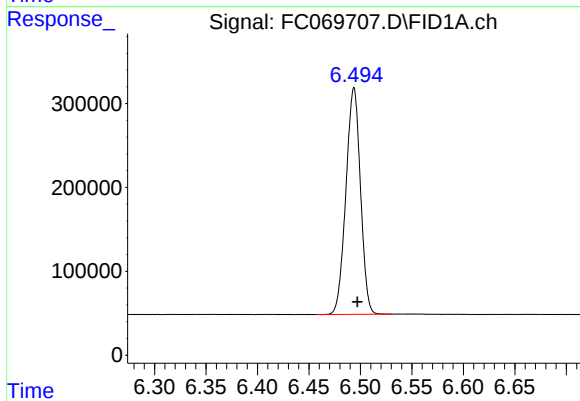
#2 n-Decane (C10)

R.T.: 4.470 min
Delta R.T.: -0.003 min
Response: 2655839
Conc: 18.27 ug/ml



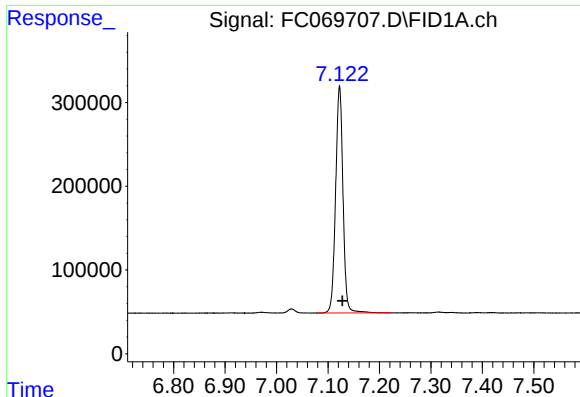
#3 A~Naphthalene (C11.7)

R.T.: 6.064 min
Delta R.T.: -0.005 min
Response: 2850501
Conc: 18.37 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.494 min
Delta R.T.: -0.004 min
Response: 2662543
Conc: 18.21 ug/ml



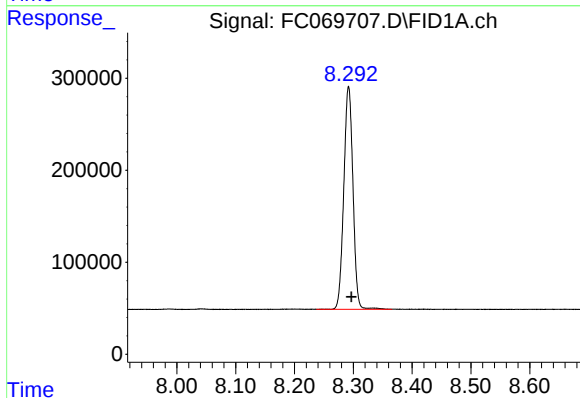
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.122 min
Delta R.T.: -0.006 min
Response: 2699955
Conc: 18.33 ug/ml

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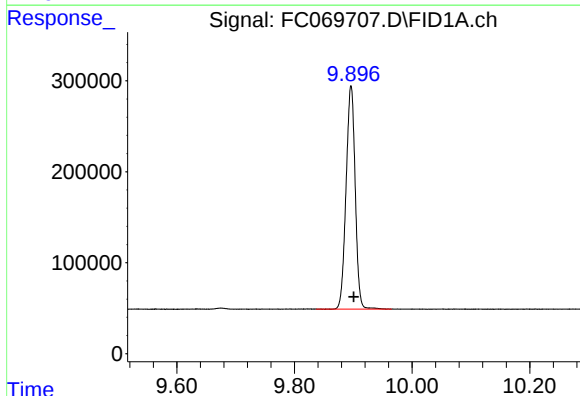
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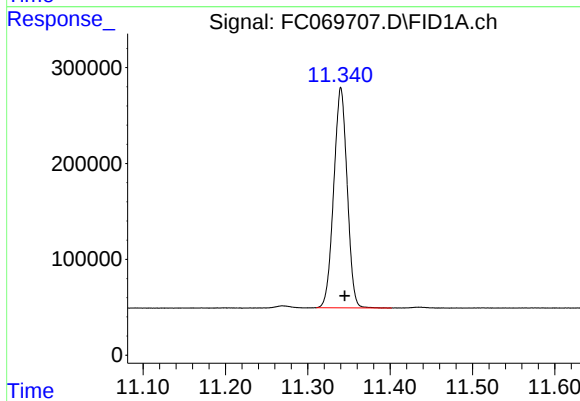
#6 n-Tetradecane (C14)

R.T.: 8.292 min
Delta R.T.: -0.005 min
Response: 2623334
Conc: 18.38 ug/ml



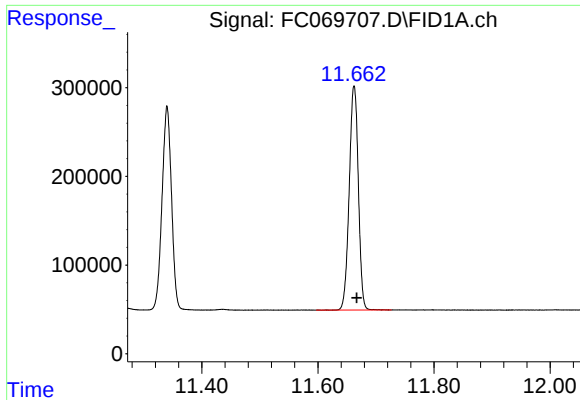
#7 n-Hexadecane (C16)

R.T.: 9.896 min
Delta R.T.: -0.005 min
Response: 2648521
Conc: 18.37 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.340 min
Delta R.T.: -0.005 min
Response: 2601946
Conc: 18.40 ug/ml



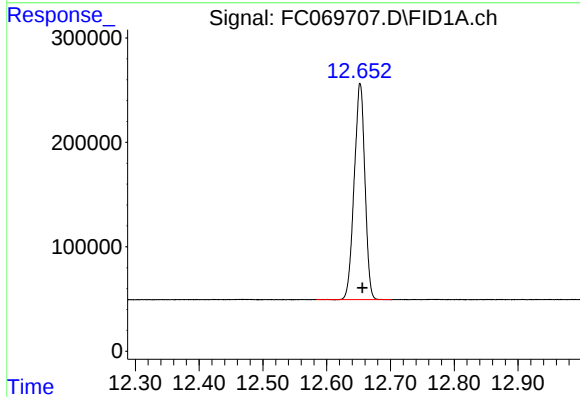
#9 ortho-Terphenyl (SURR)

R.T.: 11.662 min
Delta R.T.: -0.005 min
Response: 2754065
Conc: 18.46 ug/ml

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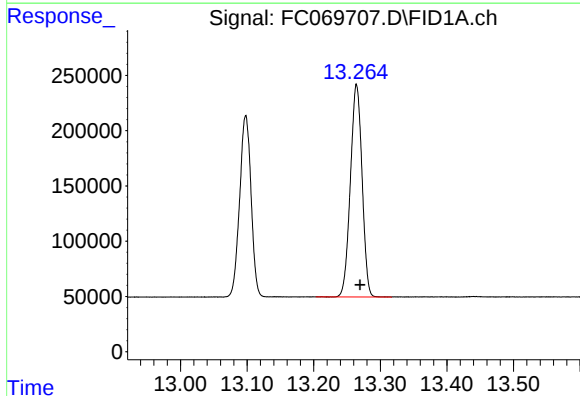
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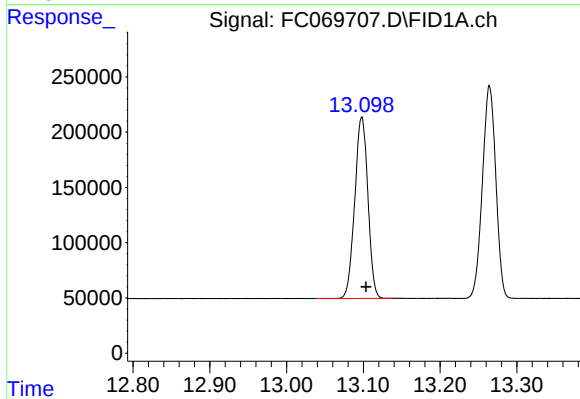
#10 n-Eicosane (C20)

R.T.: 12.652 min
Delta R.T.: -0.004 min
Response: 2418459
Conc: 18.36 ug/ml



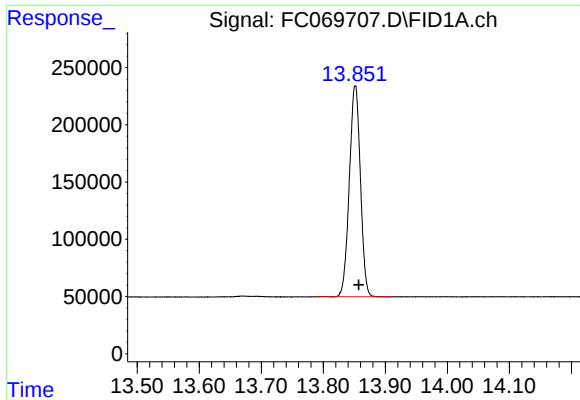
#11 n-Heneicosane (C21)

R.T.: 13.264 min
Delta R.T.: -0.005 min
Response: 2339949
Conc: 18.35 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.098 min
Delta R.T.: -0.006 min
Response: 1954672
Conc: 17.93 ug/ml



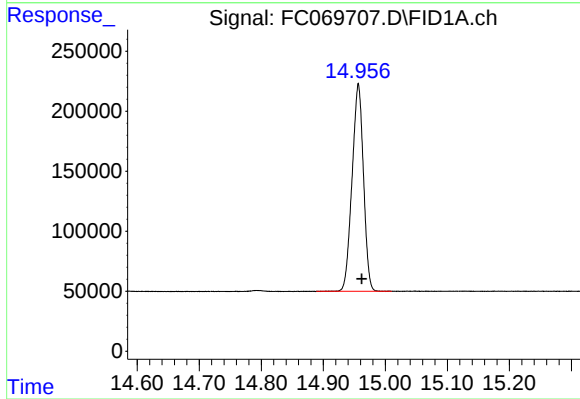
#13 n-Docosane (C22)

R.T.: 13.852 min
Delta R.T.: -0.006 min
Response: 2289824
Conc: 18.33 ug/ml

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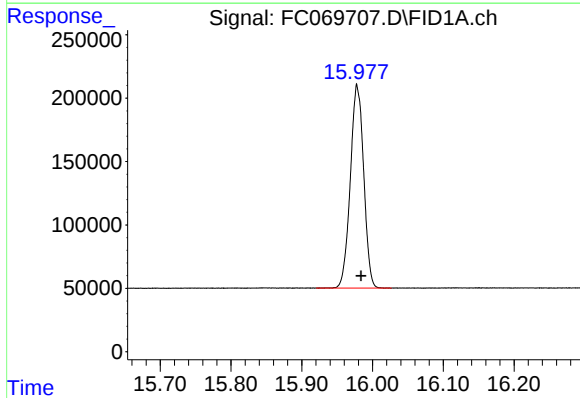
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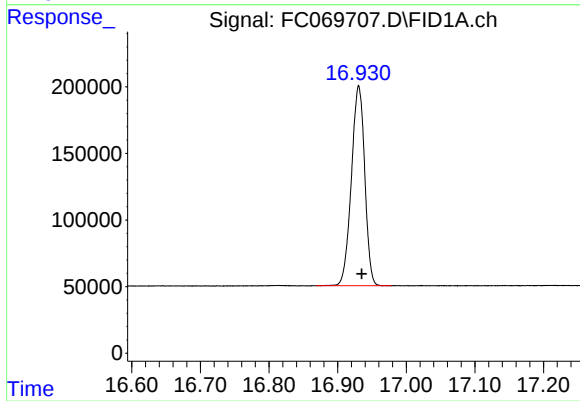
#14 n-Tetracosane (C24)

R.T.: 14.956 min
Delta R.T.: -0.006 min
Response: 2206515
Conc: 18.29 ug/ml



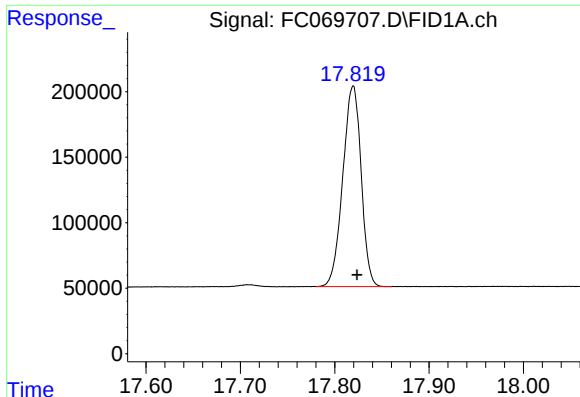
#15 n-Hexacosane (C26)

R.T.: 15.979 min
Delta R.T.: -0.005 min
Response: 2103308
Conc: 18.20 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.931 min
Delta R.T.: -0.004 min
Response: 2028442
Conc: 18.10 ug/ml



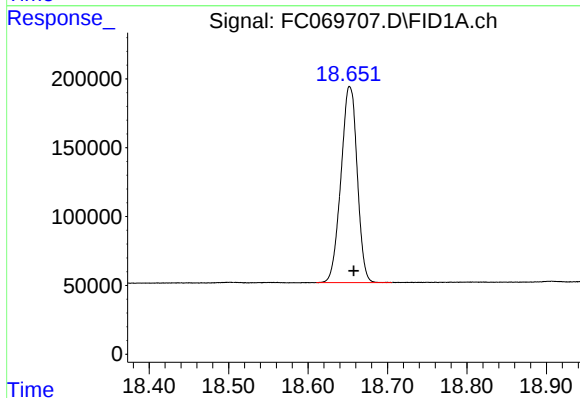
#17 n-Tricontane (C30)

R.T.: 17.819 min
Delta R.T.: -0.004 min
Response: 2068782
Conc: 18.07 ug/ml

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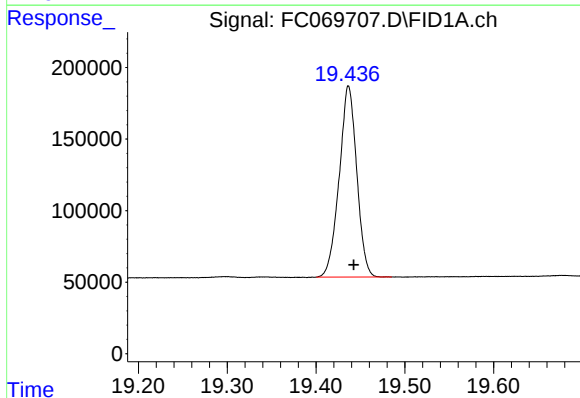
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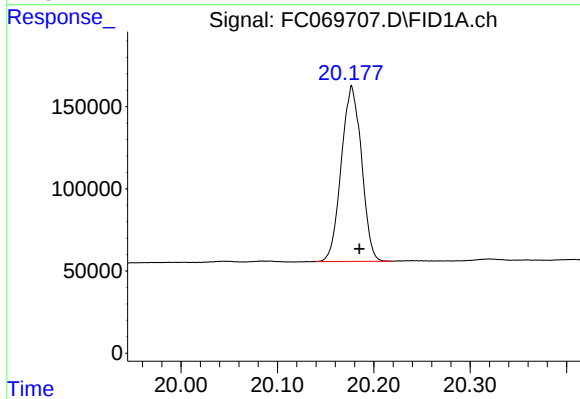
#18 n-Dotriacontane (C32)

R.T.: 18.653 min
Delta R.T.: -0.005 min
Response: 2022787
Conc: 18.21 ug/ml



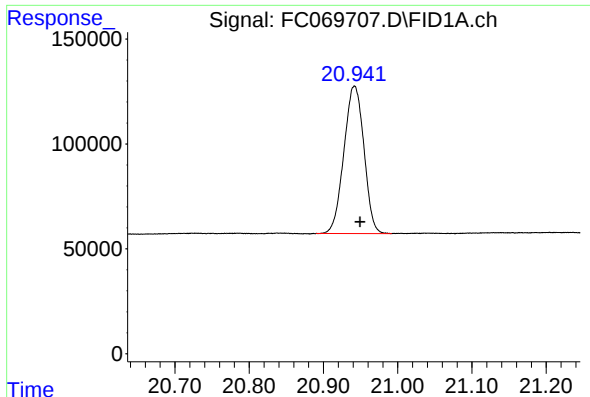
#19 n-Tetratriacontane (C34)

R.T.: 19.437 min
Delta R.T.: -0.006 min
Response: 1835350
Conc: 18.02 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.177 min
Delta R.T.: -0.008 min
Response: 1550687
Conc: 17.39 ug/ml



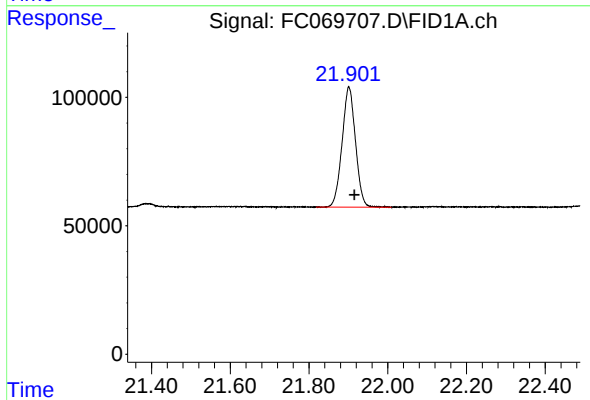
#21 n-Octatriacontane (C38)

R.T.: 20.942 min
Delta R.T.: -0.007 min
Response: 1319819
Conc: 16.41 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.901 min
Delta R.T.: -0.014 min
Response: 1108363
Conc: 14.80 ug/ml m