

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC122024AL\
 Data File : FC068077.D
 Signal(s) : FID1A.ch
 Acq On : 20 Dec 2024 22:30
 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 12/23/2024
 Supervised By :Ankita Jodhani 12/27/2024

Integration File: autoint1.e
 Quant Time: Dec 21 01:57:28 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 10 07:59:10 2024
 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)	11.442	2861846	16.551 ug/ml
Spiked Amount 50.000		Recovery =	33.10%
12) S 1-chlorooctadecane (S...	12.882	2134472	16.729 ug/ml
Spiked Amount 50.000		Recovery =	33.46%
Target Compounds			
1) T n-Nonane (C9)	3.242	2665230	17.154 ug/ml
2) T n-Decane (C10)	4.301	2732301	17.236 ug/ml
3) T A~Naphthalene (C11.7)	5.871	2974547	17.038 ug/ml
4) T n-Dodecane (C12)	6.311	2755950	17.116 ug/ml
5) T A~2-methylnaphthalene...	6.924	2849289	17.006 ug/ml
6) T n-Tetradecane (C14)	8.100	2713852	17.069 ug/ml
7) T n-Hexadecane (C16)	9.696	2762611	17.100 ug/ml
8) T n-Octadecane (C18)	11.135	2719872	16.942 ug/ml
10) T n-Eicosane (C20)	12.441	2531911	16.831 ug/ml
11) T n-Heneicosane (C21)	13.052	2451168	16.775 ug/ml
13) T n-Docosane (C22)	13.636	2408982	16.829 ug/ml
14) T n-Tetracosane (C24)	14.736	2367994	17.042 ug/ml
15) T n-Hexacosane (C26)	15.754	2312050	17.289 ug/ml
16) T n-Octacosane (C28)	16.702	2408564	18.569 ug/ml
17) T n-Tricontane (C30)	17.589	2662296	20.551 ug/ml
18) T n-Dotriacontane (C32)	18.420	2691502	21.726 ug/ml
19) T n-Tetratriacontane (C34)	19.203	2335143	21.394 ug/ml
20) T n-Hexatriacontane (C36)	19.940	1919280	20.286 ug/ml
21) T n-Octatriacontane (C38)	20.655	1724063	19.058 ug/ml
22) T n-Tetracontane (C40)	21.520	1631562	18.511 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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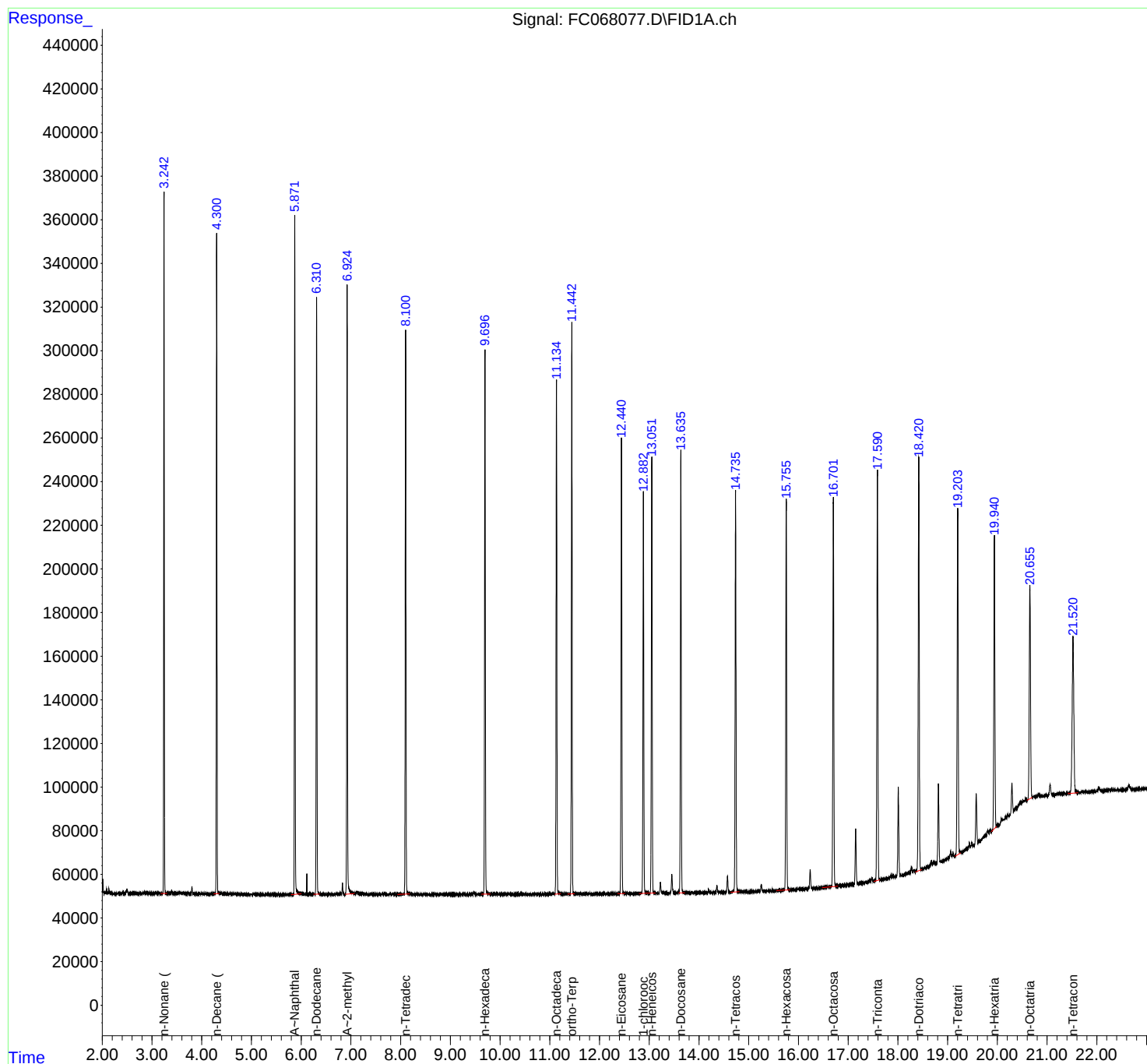
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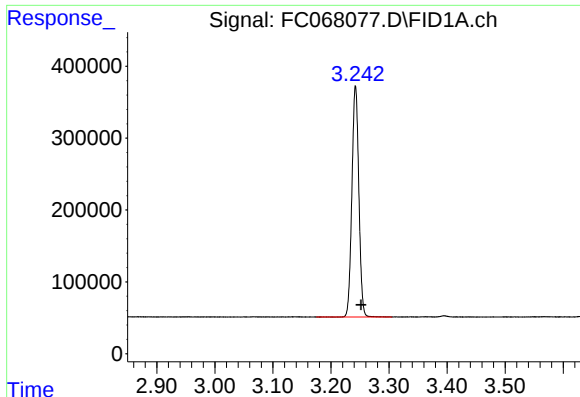
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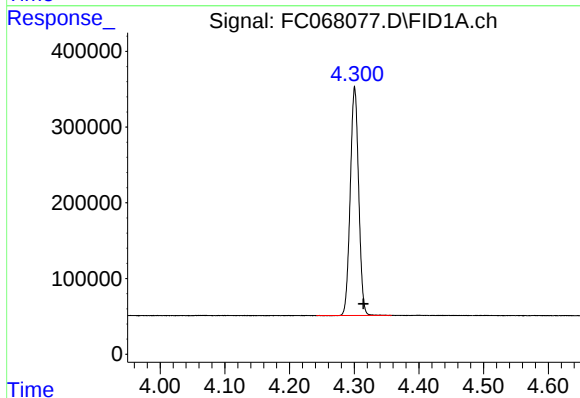
#1 n-Nonane (C9)

R.T.: 3.242 min
Delta R.T.: -0.010 min
Response: 2665230
Conc: 17.15 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

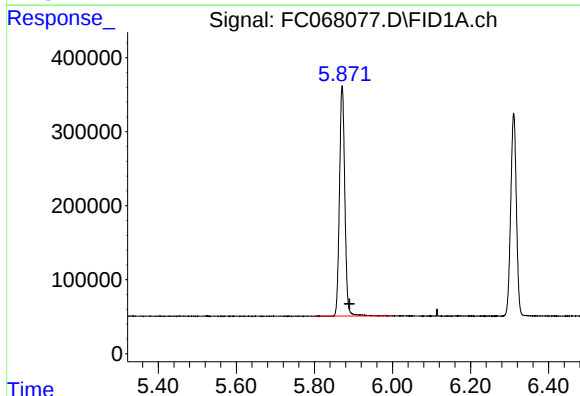
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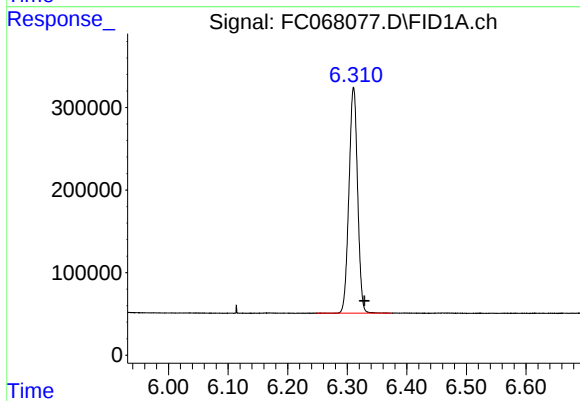
#2 n-Decane (C10)

R.T.: 4.301 min
Delta R.T.: -0.013 min
Response: 2732301
Conc: 17.24 ug/ml



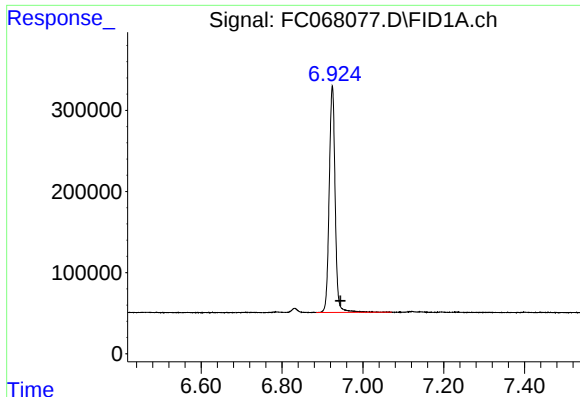
#3 A~Naphthalene (C11.7)

R.T.: 5.871 min
Delta R.T.: -0.018 min
Response: 2974547
Conc: 17.04 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.311 min
Delta R.T.: -0.018 min
Response: 2755950
Conc: 17.12 ug/ml



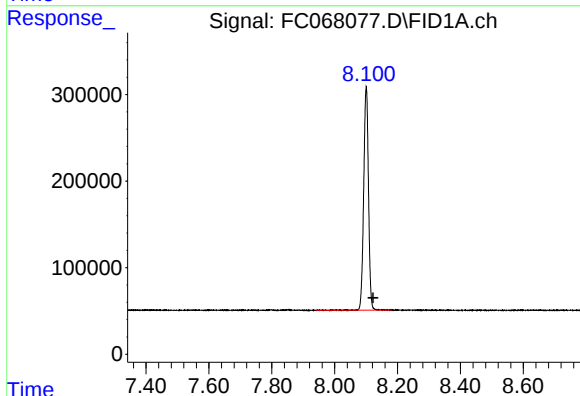
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.924 min
Delta R.T.: -0.020 min
Response: 2849289
Conc: 17.01 ug/ml

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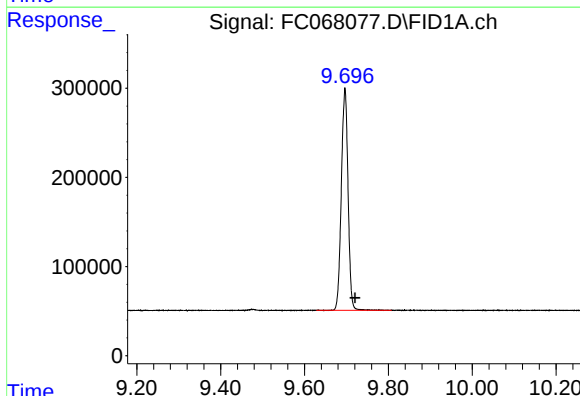
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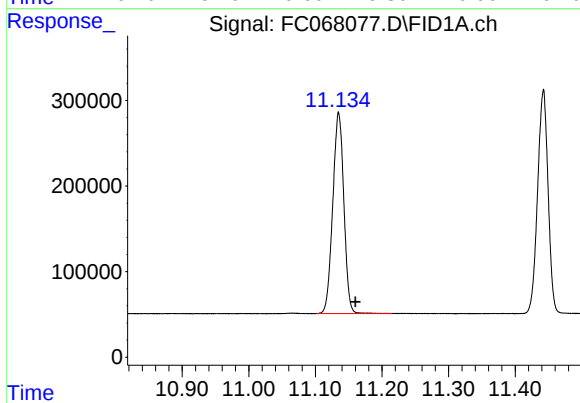
#6 n-Tetradecane (C14)

R.T.: 8.100 min
Delta R.T.: -0.021 min
Response: 2713852
Conc: 17.07 ug/ml



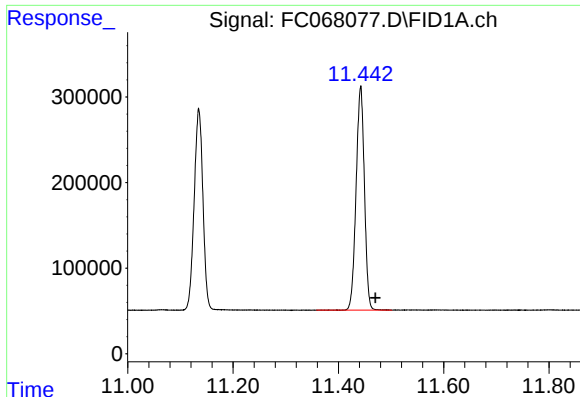
#7 n-Hexadecane (C16)

R.T.: 9.696 min
Delta R.T.: -0.024 min
Response: 2762611
Conc: 17.10 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.135 min
Delta R.T.: -0.025 min
Response: 2719872
Conc: 16.94 ug/ml



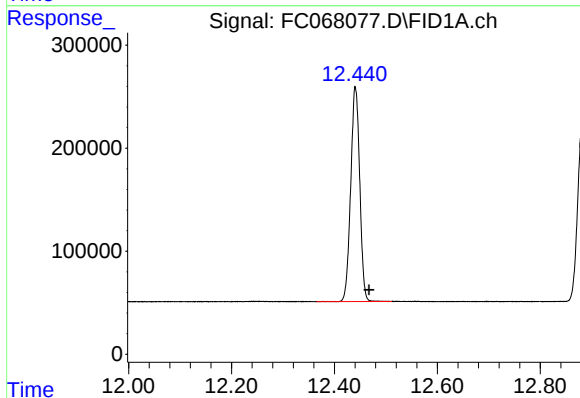
#9 ortho-Terphenyl (SURR)

R.T.: 11.442 min
Delta R.T.: -0.028 min
Response: 2861846
Conc: 16.55 ug/ml

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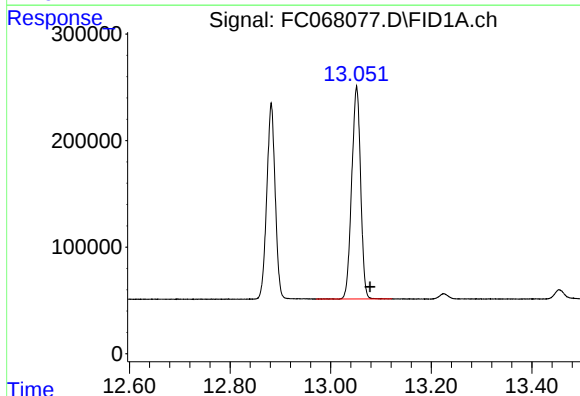
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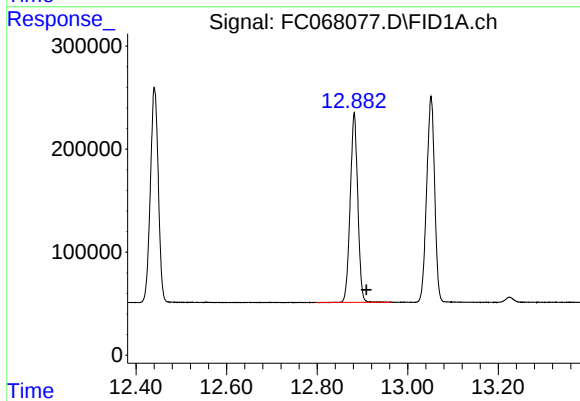
#10 n-Eicosane (C20)

R.T.: 12.441 min
Delta R.T.: -0.027 min
Response: 2531911
Conc: 16.83 ug/ml



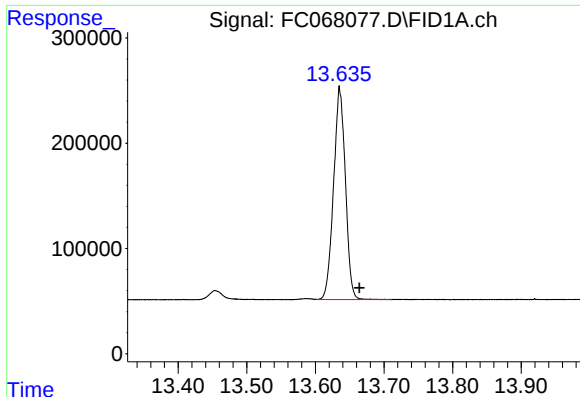
#11 n-Heneicosane (C21)

R.T.: 13.052 min
Delta R.T.: -0.027 min
Response: 2451168
Conc: 16.78 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.882 min
Delta R.T.: -0.027 min
Response: 2134472
Conc: 16.73 ug/ml



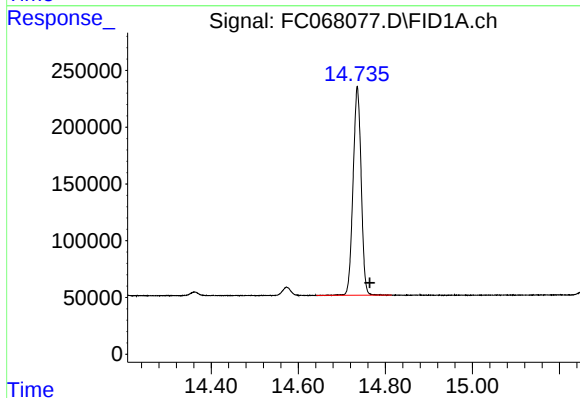
#13 n-Docosane (C22)

R.T.: 13.636 min
Delta R.T.: -0.028 min
Response: 2408982
Conc: 16.83 ug/ml

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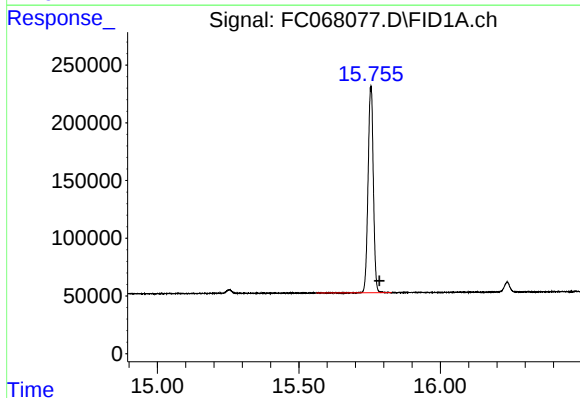
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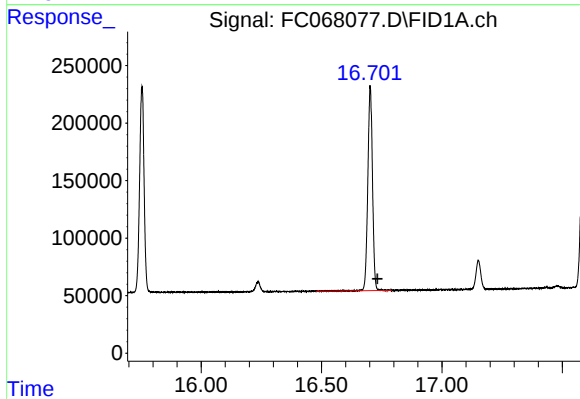
#14 n-Tetracosane (C24)

R.T.: 14.736 min
Delta R.T.: -0.029 min
Response: 2367994
Conc: 17.04 ug/ml



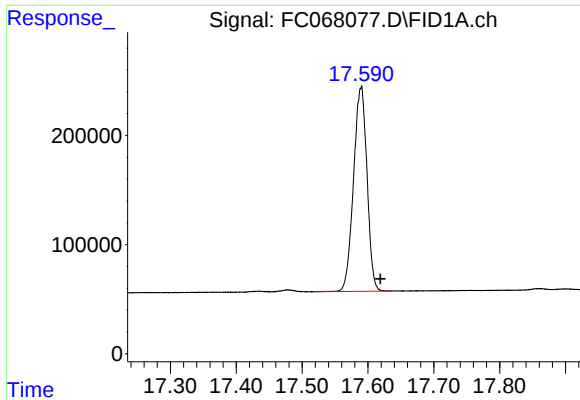
#15 n-Hexacosane (C26)

R.T.: 15.754 min
Delta R.T.: -0.030 min
Response: 2312050
Conc: 17.29 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.702 min
Delta R.T.: -0.031 min
Response: 2408564
Conc: 18.57 ug/ml



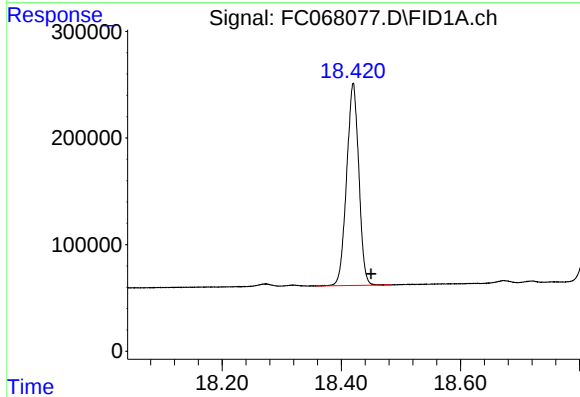
#17 n-Tricontane (C30)

R.T.: 17.589 min
Delta R.T.: -0.030 min
Response: 2662296
Conc: 20.55 ug/ml

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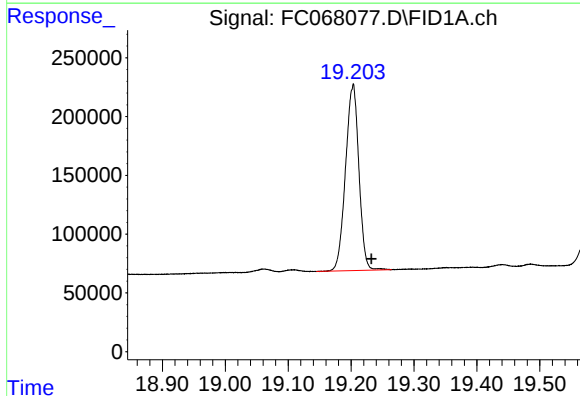
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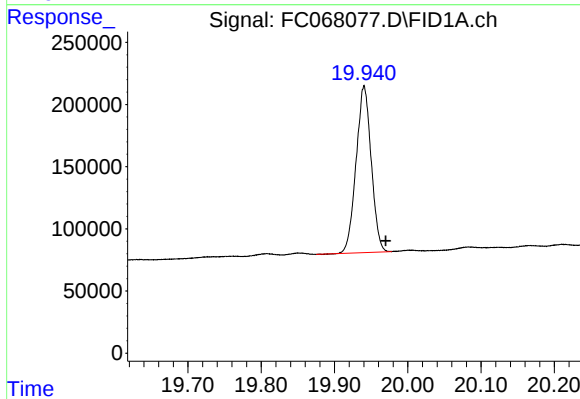
#18 n-Dotriacontane (C32)

R.T.: 18.420 min
Delta R.T.: -0.030 min
Response: 2691502
Conc: 21.73 ug/ml



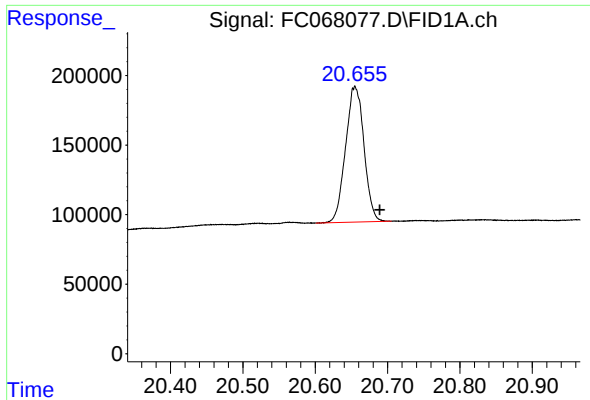
#19 n-Tetratriacontane (C34)

R.T.: 19.203 min
Delta R.T.: -0.029 min
Response: 2335143
Conc: 21.39 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.940 min
Delta R.T.: -0.030 min
Response: 1919280
Conc: 20.29 ug/ml



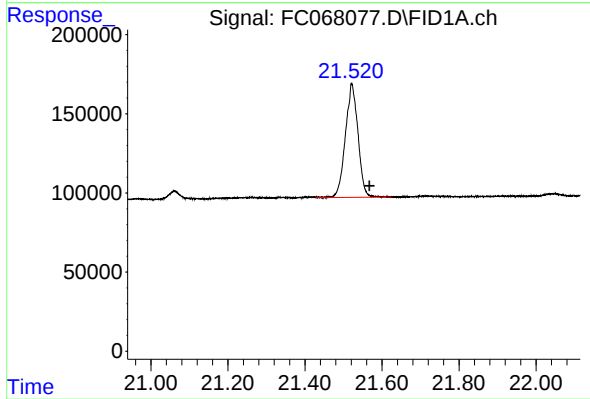
#21 n-Octatriacontane (C38)

R.T.: 20.655 min
Delta R.T.: -0.034 min
Response: 1724063
Conc: 19.06 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.520 min
Delta R.T.: -0.048 min
Response: 1631562
Conc: 18.51 ug/ml m