

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F121724AL\
 Data File : FC068011.D
 Signal(s) : FID1A.ch
 Acq On : 17 Dec 2024 12:11
 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 12/18/2024
 Supervised By :Ankita Jodhani 12/18/2024

Integration File: autoint1.e
 Quant Time: Dec 18 01:13:51 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)	11.466	3290900	19.032 ug/ml
Spiked Amount 50.000		Recovery =	38.06%
12) S 1-chlorooctadecane (S...	12.905	2408531	18.876 ug/ml
Spiked Amount 50.000		Recovery =	37.75%
Target Compounds			
1) T n-Nonane (C9)	3.248	2947408	18.971 ug/ml
2) T n-Decane (C10)	4.311	3026754	19.093 ug/ml
3) T A~Naphthalene (C11.7)	5.885	3311288	18.967 ug/ml
4) T n-Dodecane (C12)	6.325	3072990	19.085 ug/ml
5) T A~2-methylnaphthalene...	6.941	3198584	19.090 ug/ml
6) T n-Tetradecane (C14)	8.118	3046792	19.163 ug/ml
7) T n-Hexadecane (C16)	9.716	3124409	19.340 ug/ml
8) T n-Octadecane (C18)	11.156	3101224	19.317 ug/ml
10) T n-Eicosane (C20)	12.464	2909435	19.341 ug/ml
11) T n-Heneicosane (C21)	13.074	2812915	19.251 ug/ml
13) T n-Docosane (C22)	13.660	2766863	19.329 ug/ml
14) T n-Tetracosane (C24)	14.761	2708599	19.494 ug/ml
15) T n-Hexacosane (C26)	15.780	2643842	19.770 ug/ml
16) T n-Octacosane (C28)	16.728	2652852	20.452 ug/ml
17) T n-Tricontane (C30)	17.615	2820831	21.775 ug/ml
18) T n-Dotriacontane (C32)	18.446	2767833	22.342 ug/ml
19) T n-Tetratriacontane (C34)	19.228	2394736	21.940 ug/ml
20) T n-Hexatriacontane (C36)	19.965	1998858	21.128 ug/ml
21) T n-Octatriacontane (C38)	20.685	1816090	20.076 ug/ml
22) T n-Tetracontane (C40)	21.559	1759935	19.968 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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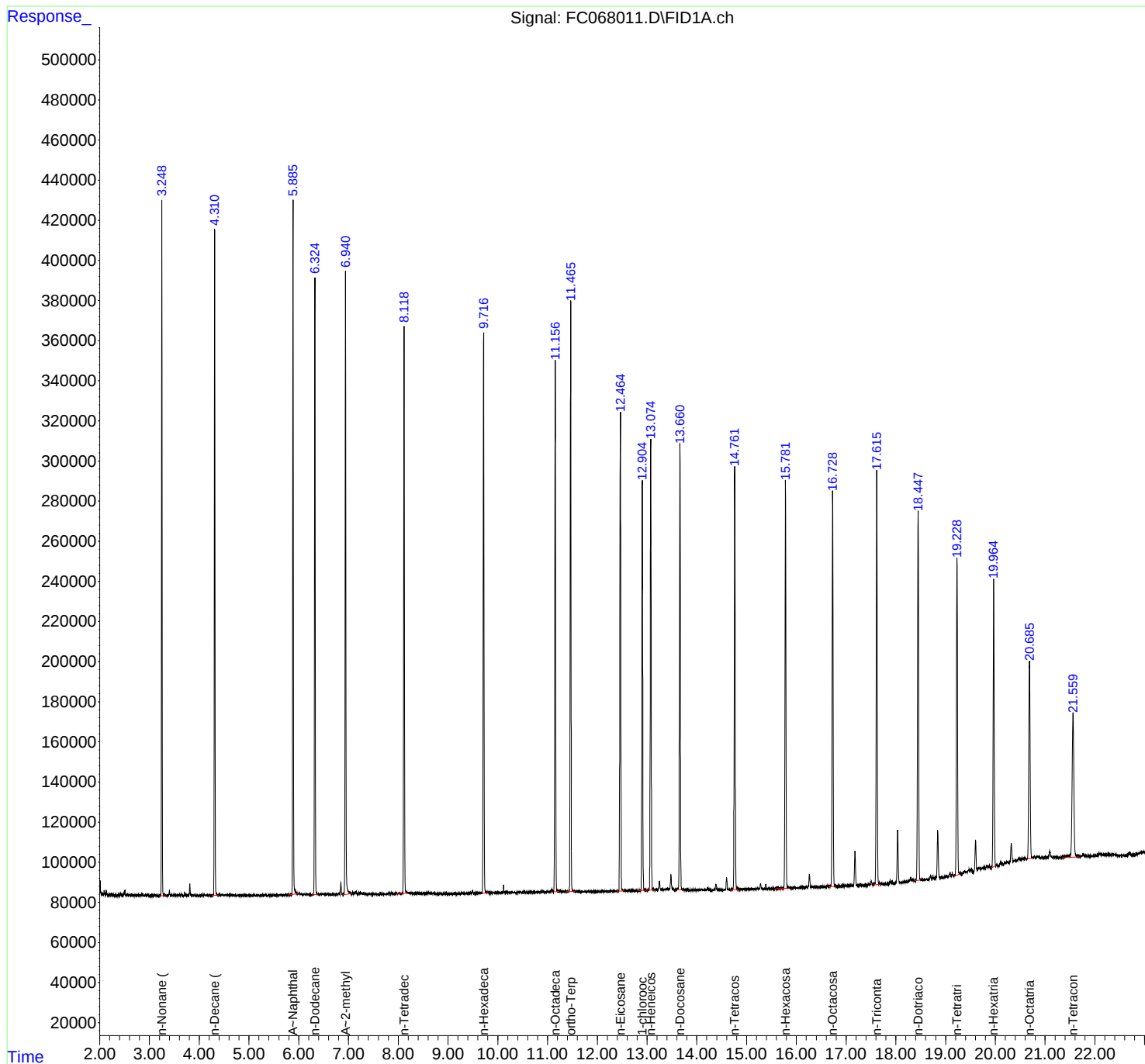
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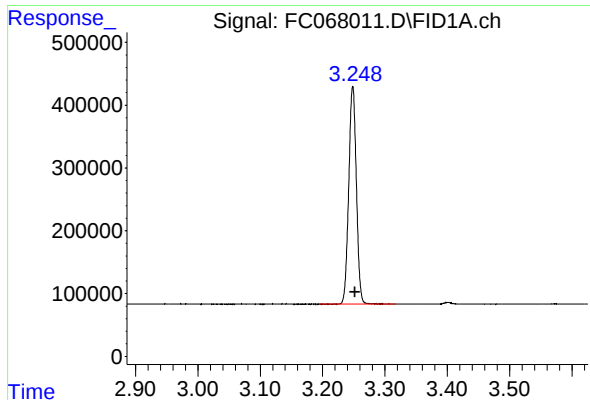
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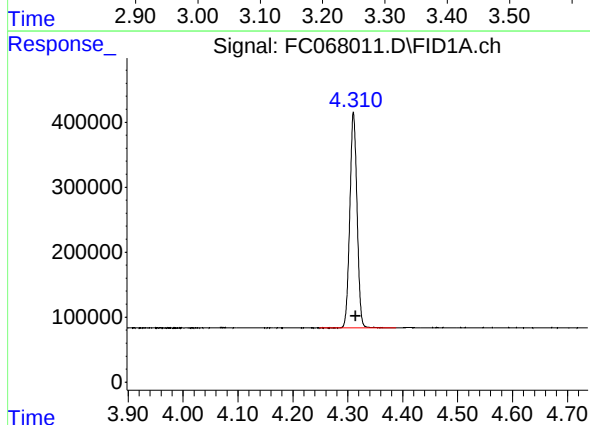
#1 n-Nonane (C9)

R.T.: 3.248 min
Delta R.T.: -0.004 min
Response: 2947408
Conc: 18.97 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

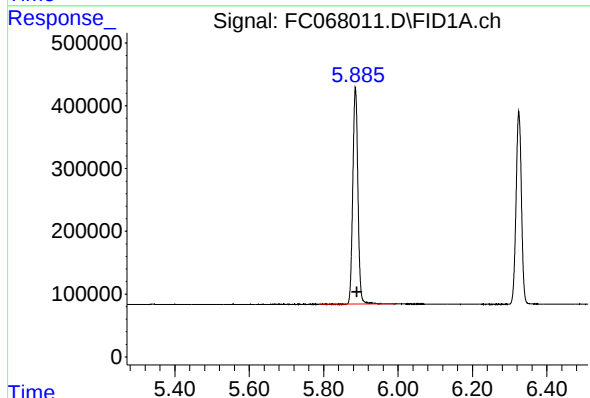
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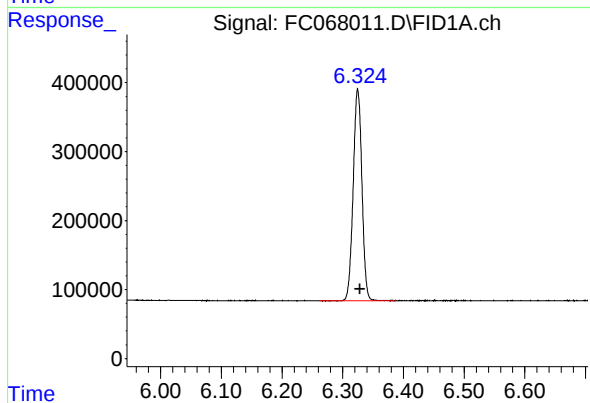
#2 n-Decane (C10)

R.T.: 4.311 min
Delta R.T.: -0.004 min
Response: 3026754
Conc: 19.09 ug/ml



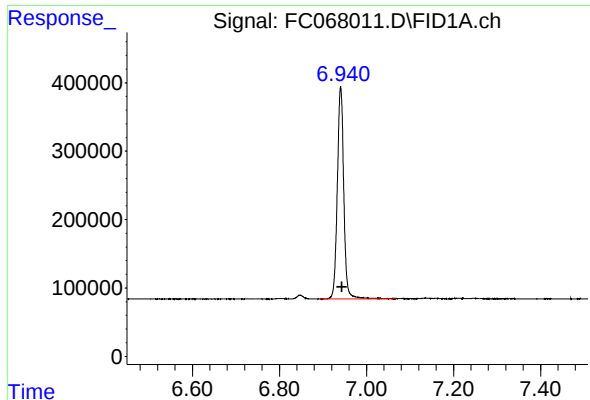
#3 A~Naphthalene (C11.7)

R.T.: 5.885 min
Delta R.T.: -0.004 min
Response: 3311288
Conc: 18.97 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.325 min
Delta R.T.: -0.004 min
Response: 3072990
Conc: 19.09 ug/ml



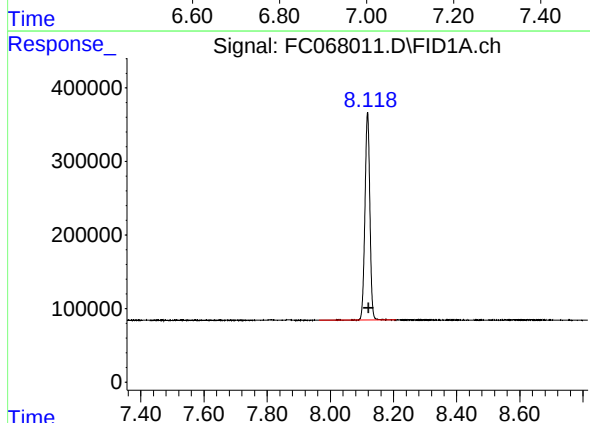
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.941 min
Delta R.T.: -0.004 min
Response: 3198584
Conc: 19.09 ug/ml

Instrument :
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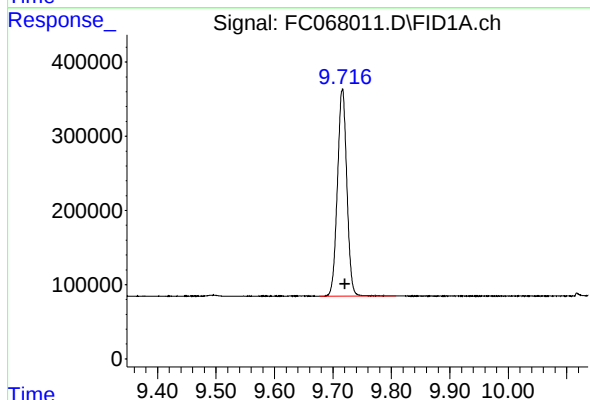
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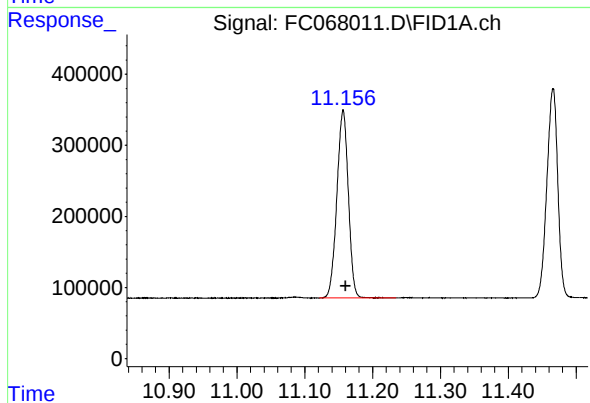
#6 n-Tetradecane (C14)

R.T.: 8.118 min
Delta R.T.: -0.004 min
Response: 3046792
Conc: 19.16 ug/ml



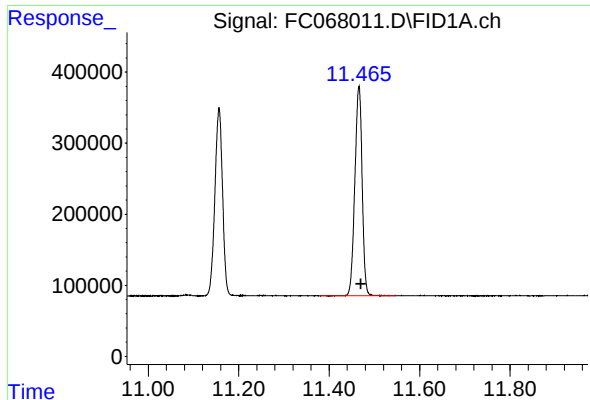
#7 n-Hexadecane (C16)

R.T.: 9.716 min
Delta R.T.: -0.004 min
Response: 3124409
Conc: 19.34 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.156 min
Delta R.T.: -0.004 min
Response: 3101224
Conc: 19.32 ug/ml



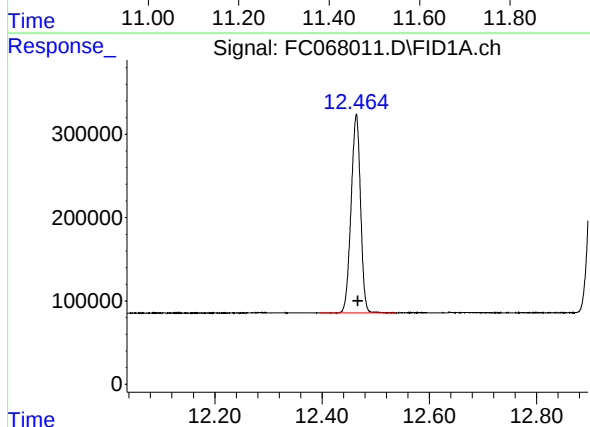
#9 ortho-Terphenyl (SURR)

R.T.: 11.466 min
Delta R.T.: -0.005 min
Response: 3290900
Conc: 19.03 ug/ml

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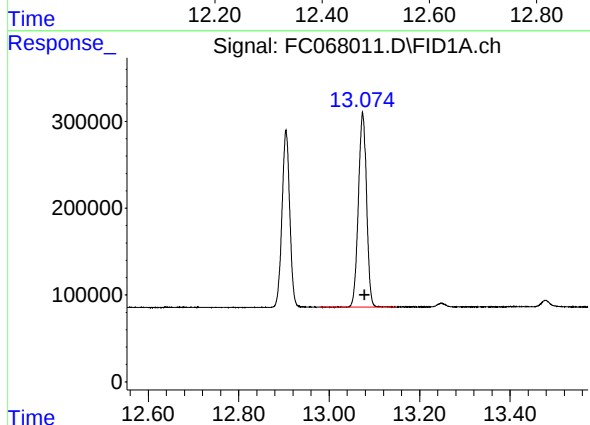
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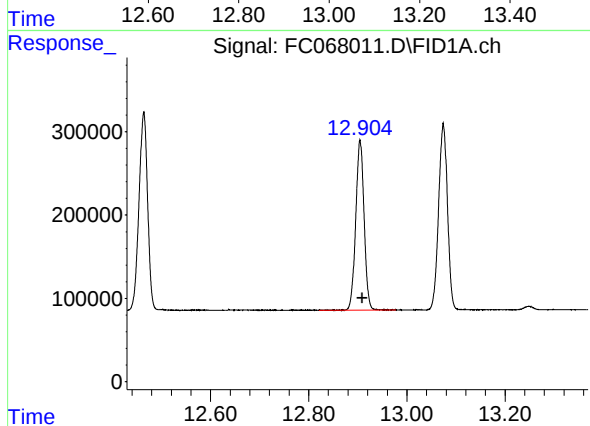
#10 n-Eicosane (C20)

R.T.: 12.464 min
Delta R.T.: -0.004 min
Response: 2909435
Conc: 19.34 ug/ml



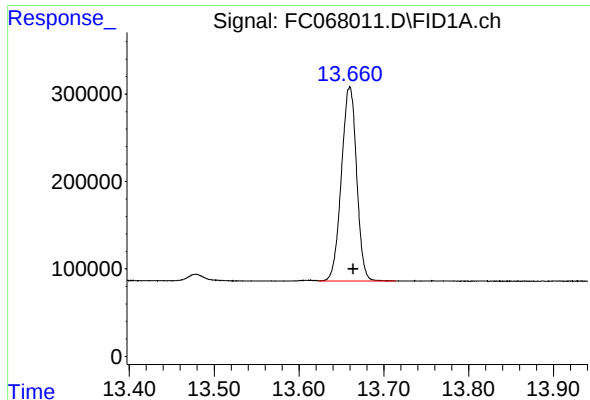
#11 n-Heneicosane (C21)

R.T.: 13.074 min
Delta R.T.: -0.004 min
Response: 2812915
Conc: 19.25 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.905 min
Delta R.T.: -0.004 min
Response: 2408531
Conc: 18.88 ug/ml



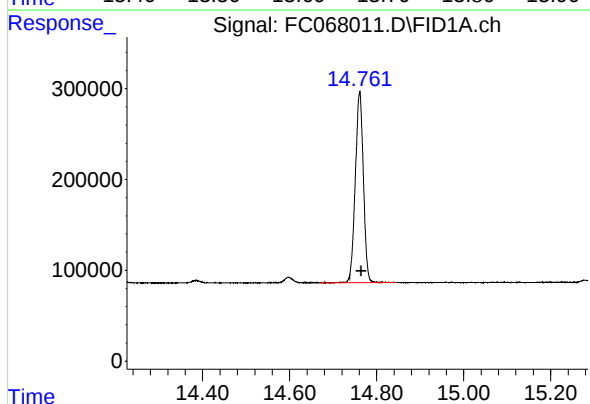
#13 n-Docosane (C22)

R.T.: 13.660 min
Delta R.T.: -0.004 min
Response: 2766863
Conc: 19.33 ug/ml

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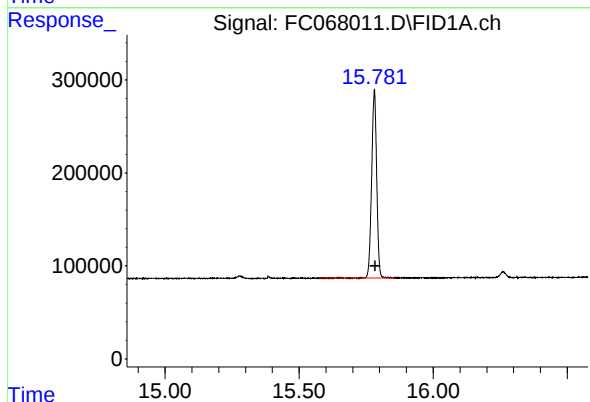
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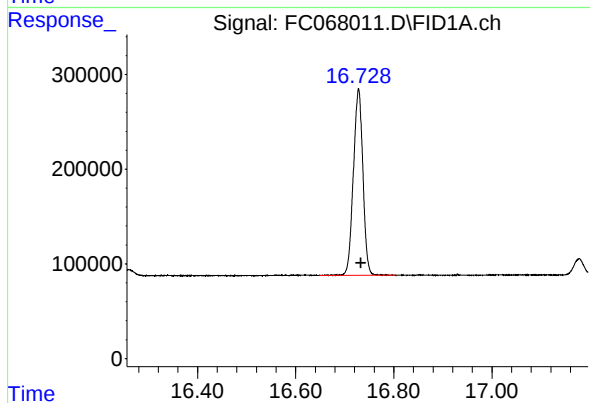
#14 n-Tetracosane (C24)

R.T.: 14.761 min
Delta R.T.: -0.004 min
Response: 2708599
Conc: 19.49 ug/ml



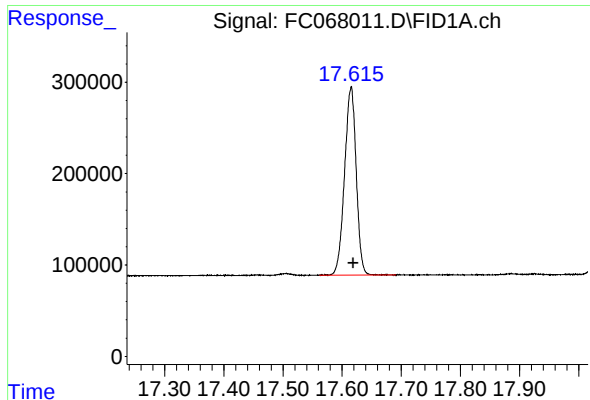
#15 n-Hexacosane (C26)

R.T.: 15.780 min
Delta R.T.: -0.004 min
Response: 2643842
Conc: 19.77 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.728 min
Delta R.T.: -0.005 min
Response: 2652852
Conc: 20.45 ug/ml



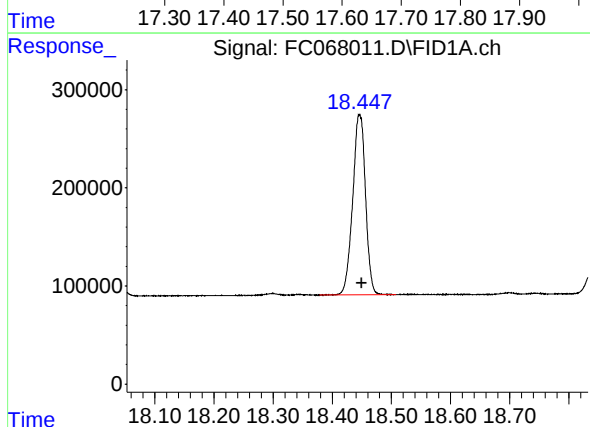
#17 n-Tricontane (C30)

R.T.: 17.615 min
Delta R.T.: -0.004 min
Response: 2820831
Conc: 21.78 ug/ml

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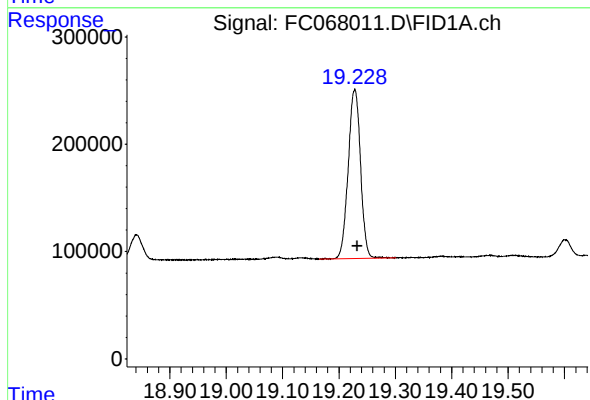
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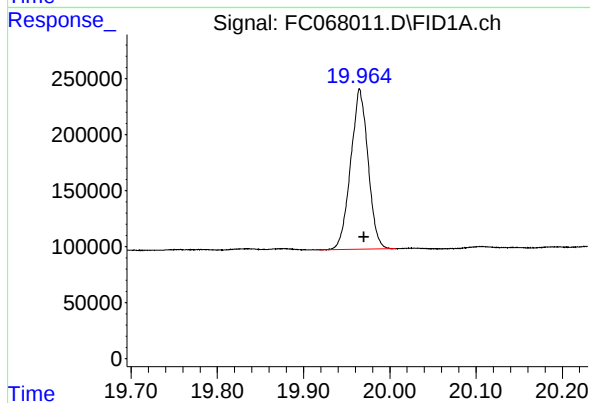
#18 n-Dotriacontane (C32)

R.T.: 18.446 min
Delta R.T.: -0.003 min
Response: 2767833
Conc: 22.34 ug/ml



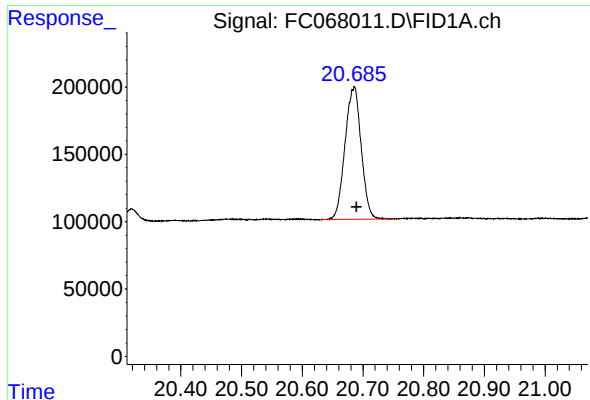
#19 n-Tetatriacontane (C34)

R.T.: 19.228 min
Delta R.T.: -0.004 min
Response: 2394736
Conc: 21.94 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.965 min
Delta R.T.: -0.005 min
Response: 1998858
Conc: 21.13 ug/ml



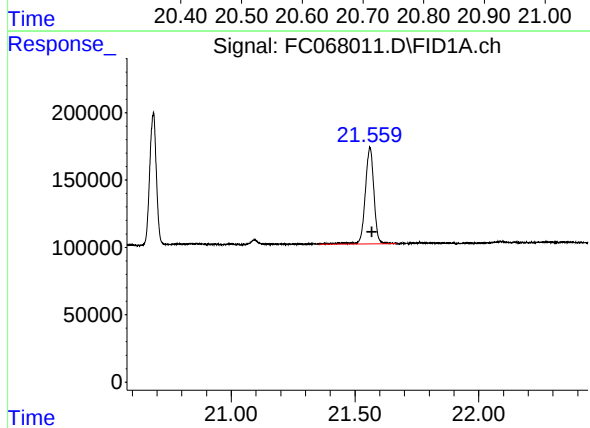
#21 n-Octatriacontane (C38)

R.T.: 20.685 min
Delta R.T.: -0.004 min
Response: 1816090
Conc: 20.08 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.559 min
Delta R.T.: -0.009 min
Response: 1759935
Conc: 19.97 ug/ml m