

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103024AL\
 Data File : FE050899.D
 Signal(s) : FID1B.ch
 Acq On : 30 Oct 2024 12:14
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/31/2024
 Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
 Quant Time: Oct 31 05:17:11 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 07 16:32:18 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)	11.856	3068559	19.464 ug/ml
Spiked Amount 50.000		Recovery =	38.93%
12) S 1-chlorooctadecane (S...	13.289	2365291	19.995 ug/ml
Spiked Amount 50.000		Recovery =	39.99%
Target Compounds			
1) T n-Nonane (C9)	3.244	2674159	18.927 ug/ml
2) T n-Decane (C10)	4.495	2764711	19.270 ug/ml
3) T A~Naphthalene (C11.7)	6.207	2685172	18.779 ug/ml
4) T n-Dodecane (C12)	6.662	2789997	19.384 ug/ml
5) T A~2-methylnaphthalene...	7.303	2508422	18.934 ug/ml
6) T n-Tetradecane (C14)	8.488	2772994	19.382 ug/ml
7) T n-Hexadecane (C16)	10.094	2888195	19.625 ug/ml
8) T n-Octadecane (C18)	11.535	2940492	19.686 ug/ml
10) T n-Eicosane (C20)	12.843	2836200	19.778 ug/ml
11) T n-Heneicosane (C21)	13.454	2783484	19.821 ug/ml
13) T n-Docosane (C22)	14.039	2781192	19.824 ug/mlm
14) T n-Tetracosane (C24)	15.140	2783671	19.704 ug/ml
15) T n-Hexacosane (C26)	16.160	2820942	20.047 ug/ml
16) T n-Octacosane (C28)	17.108	3015318	20.606 ug/ml
17) T n-Tricontane (C30)	17.995	3420079	21.510 ug/ml
18) T n-Dotriacontane (C32)	18.828	3566709	22.001 ug/ml
19) T n-Tetratriacontane (C34)	19.610	3190698	21.721 ug/ml
20) T n-Hexatriacontane (C36)	20.349	2686310	21.183 ug/mlm
21) T n-Octatriacontane (C38)	21.074	2403425	19.438 ug/ml
22) T n-Tetracontane (C40)	21.957	2043802	18.355 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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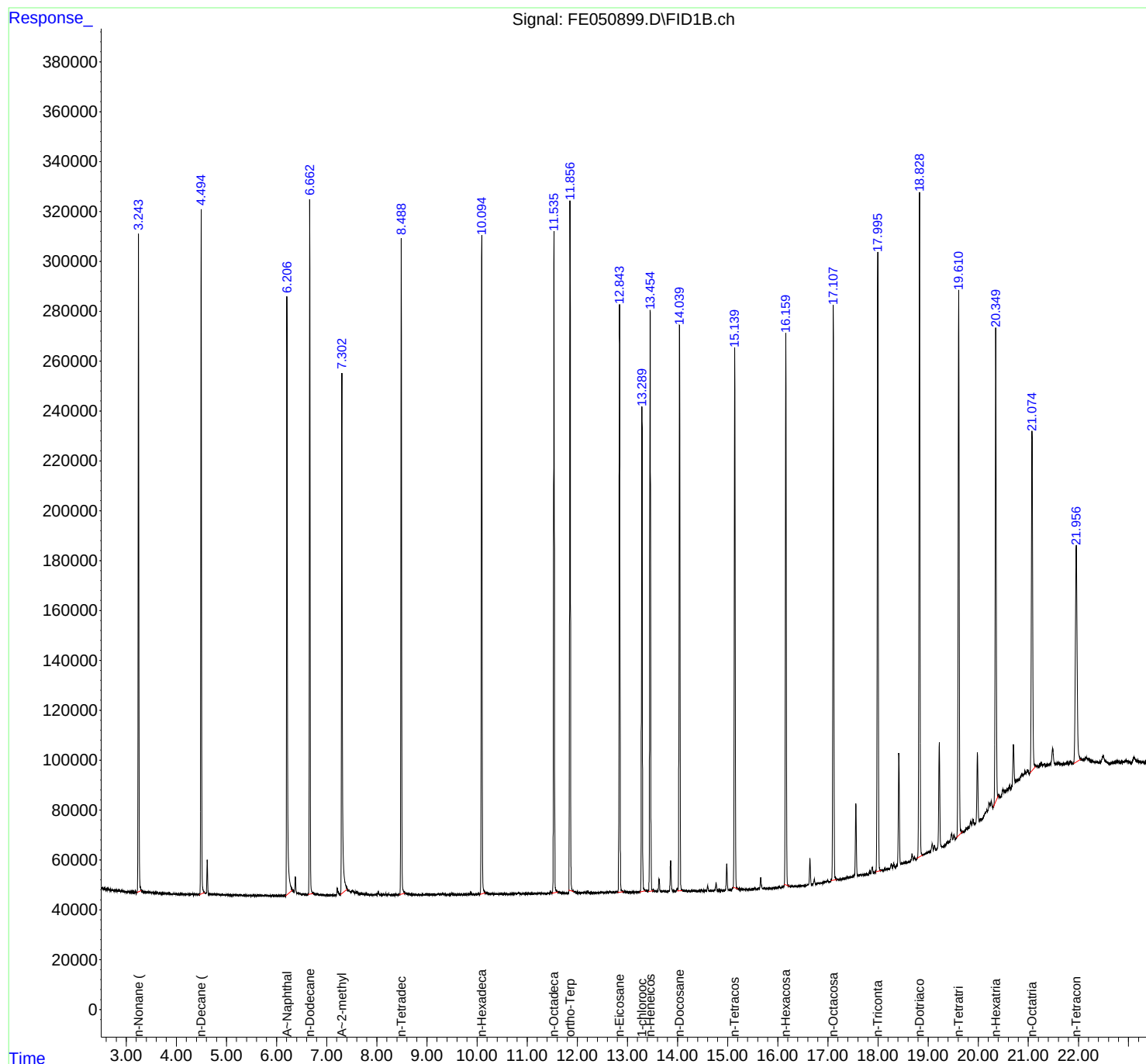
Instrument :
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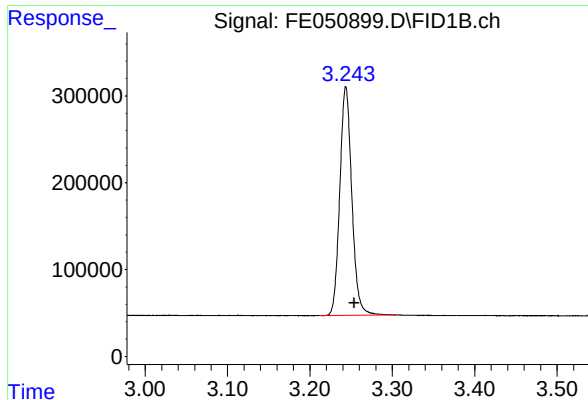
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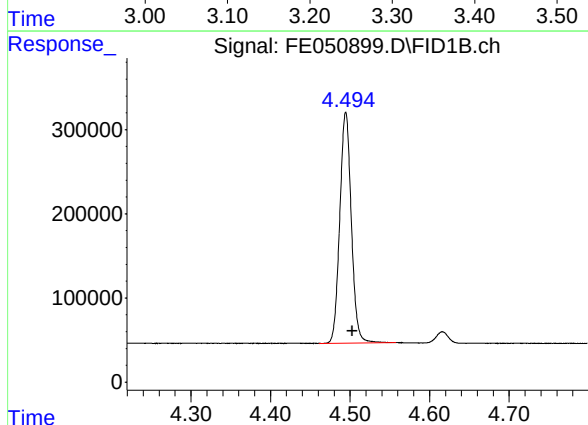
#1 n-Nonane (C9)

R.T.: 3.244 min
Delta R.T.: -0.010 min
Response: 2674159
Conc: 18.93 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

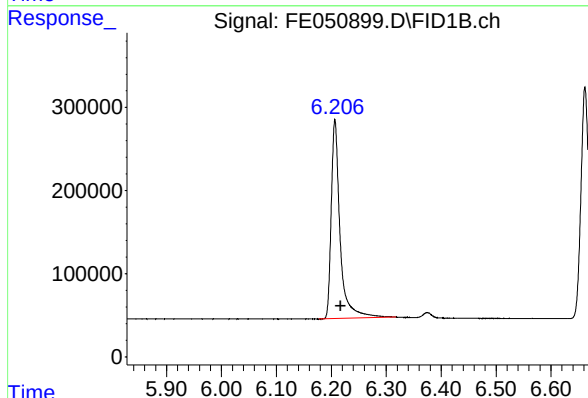
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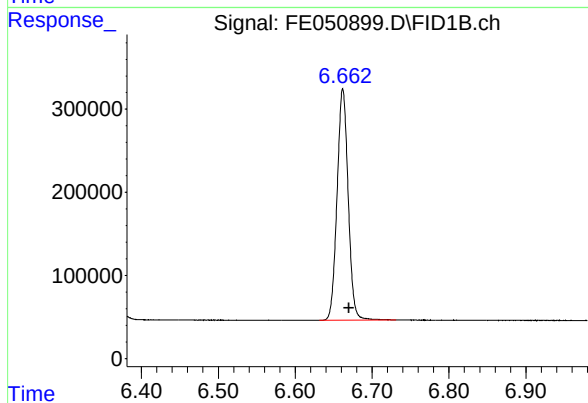
#2 n-Decane (C10)

R.T.: 4.495 min
Delta R.T.: -0.008 min
Response: 2764711
Conc: 19.27 ug/ml



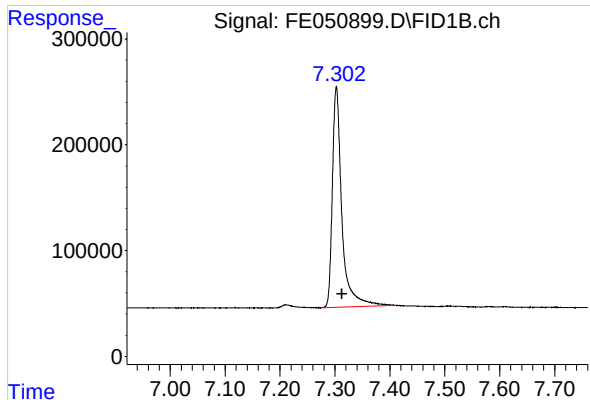
#3 A~Naphthalene (C11.7)

R.T.: 6.207 min
Delta R.T.: -0.010 min
Response: 2685172
Conc: 18.78 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.662 min
Delta R.T.: -0.008 min
Response: 2789997
Conc: 19.38 ug/ml



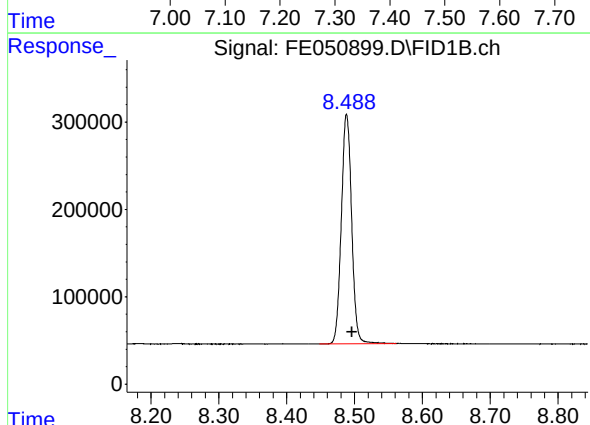
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.303 min
Delta R.T.: -0.010 min
Response: 2508422
Conc: 18.93 ug/ml

Instrument : FID_E
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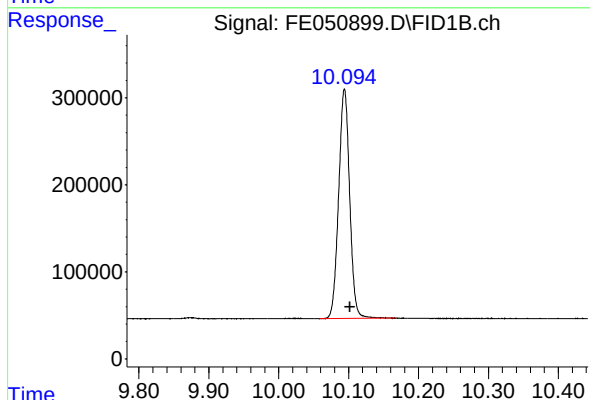
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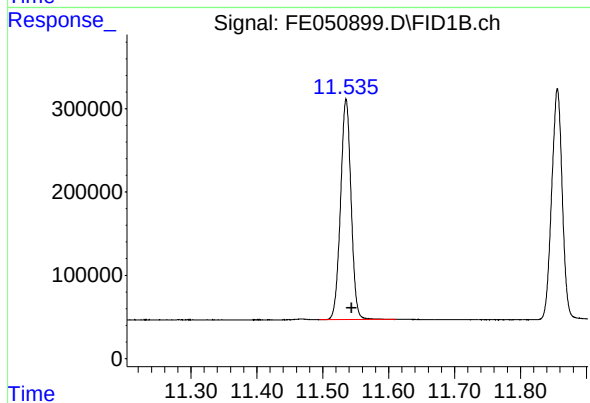
#6 n-Tetradecane (C14)

R.T.: 8.488 min
Delta R.T.: -0.008 min
Response: 2772994
Conc: 19.38 ug/ml



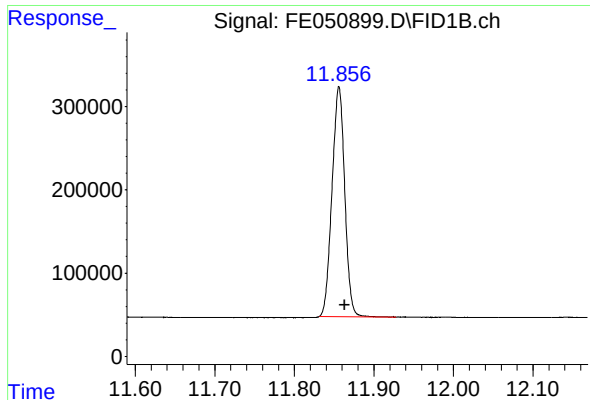
#7 n-Hexadecane (C16)

R.T.: 10.094 min
Delta R.T.: -0.008 min
Response: 2888195
Conc: 19.62 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.535 min
Delta R.T.: -0.008 min
Response: 2940492
Conc: 19.69 ug/ml



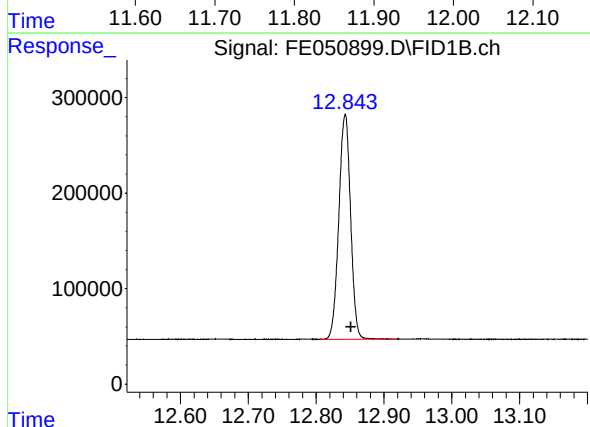
#9 ortho-Terphenyl (SURR)

R.T.: 11.856 min
Delta R.T.: -0.007 min
Response: 3068559
Conc: 19.46 ug/ml

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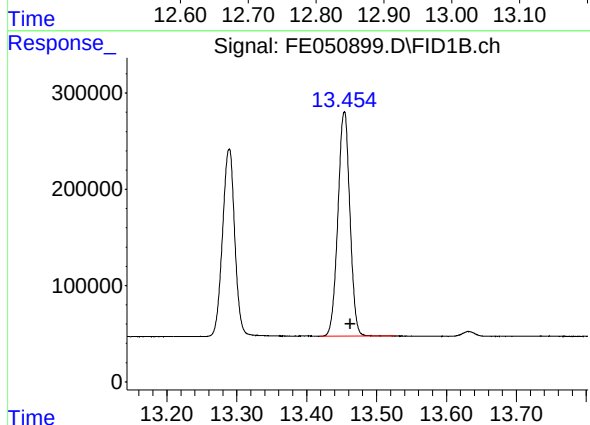
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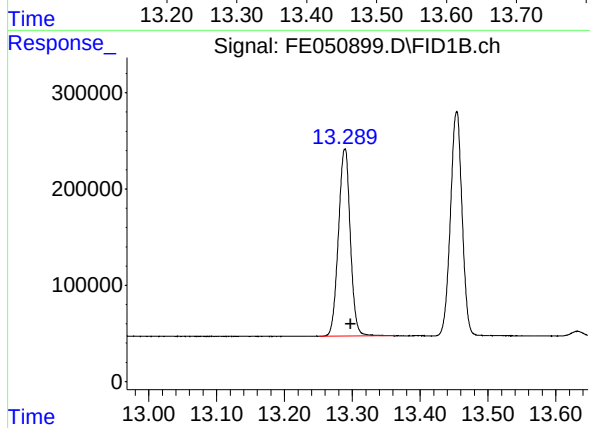
#10 n-Eicosane (C20)

R.T.: 12.843 min
Delta R.T.: -0.009 min
Response: 2836200
Conc: 19.78 ug/ml



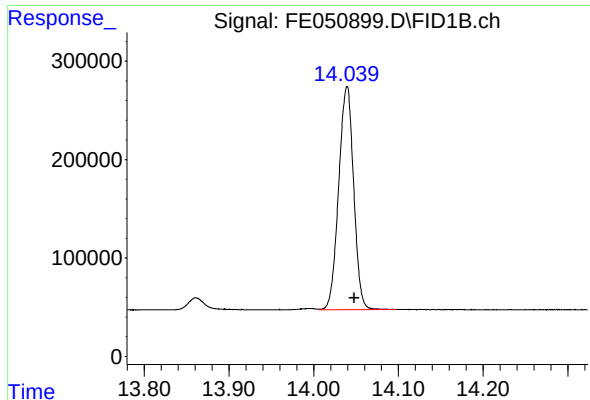
#11 n-Heneicosane (C21)

R.T.: 13.454 min
Delta R.T.: -0.009 min
Response: 2783484
Conc: 19.82 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.289 min
Delta R.T.: -0.009 min
Response: 2365291
Conc: 20.00 ug/ml



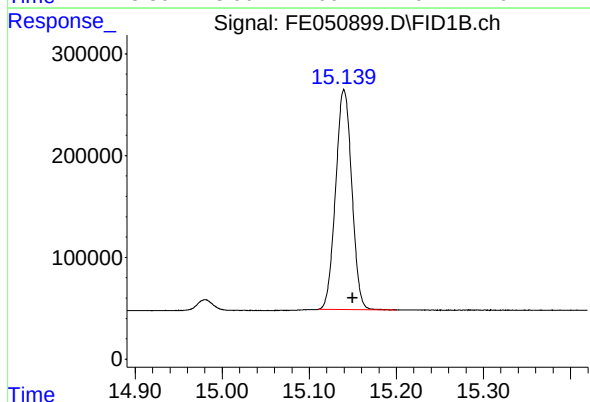
#13 n-Docosane (C22)

R.T.: 14.039 min
Delta R.T.: -0.009 min
Response: 2781192
Conc: 19.82 ug/ml

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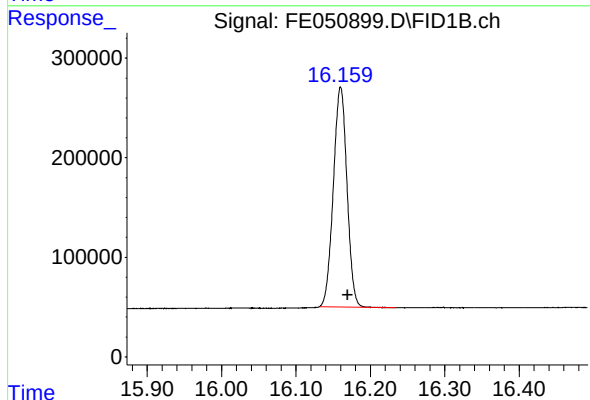
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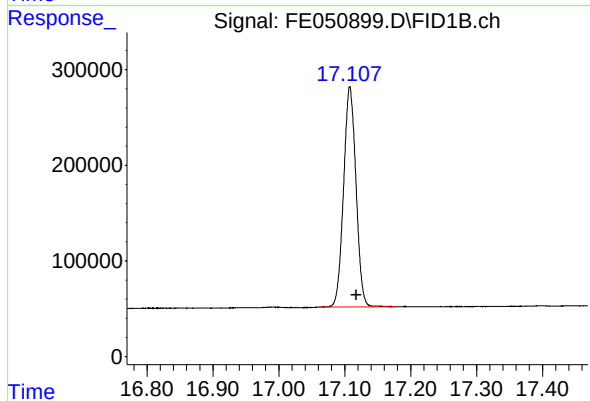
#14 n-Tetracosane (C24)

R.T.: 15.140 min
Delta R.T.: -0.010 min
Response: 2783671
Conc: 19.70 ug/ml



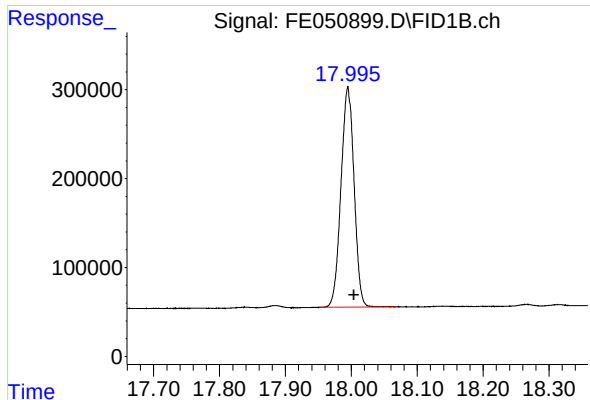
#15 n-Hexacosane (C26)

R.T.: 16.160 min
Delta R.T.: -0.009 min
Response: 2820942
Conc: 20.05 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.108 min
Delta R.T.: -0.009 min
Response: 3015318
Conc: 20.61 ug/ml



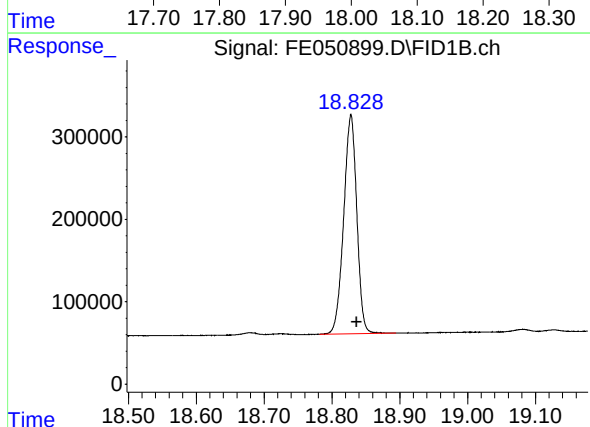
#17 n-Tricontane (C30)

R.T.: 17.995 min
Delta R.T.: -0.009 min
Response: 3420079
Conc: 21.51 ug/ml

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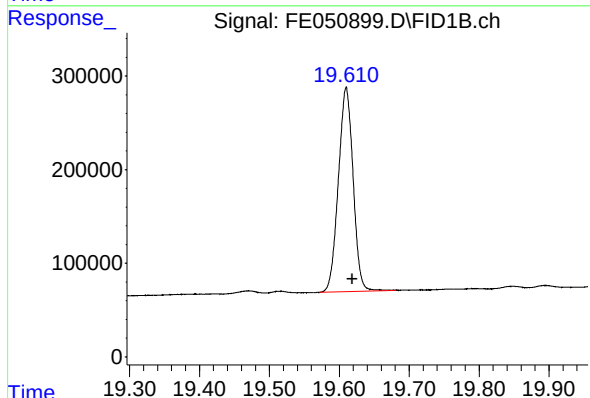
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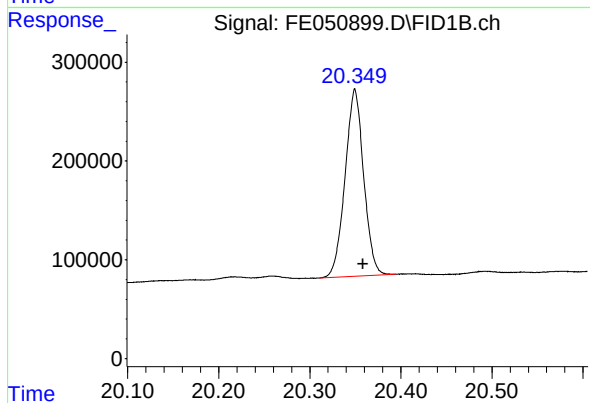
#18 n-Dotriacontane (C32)

R.T.: 18.828 min
Delta R.T.: -0.009 min
Response: 3566709
Conc: 22.00 ug/ml



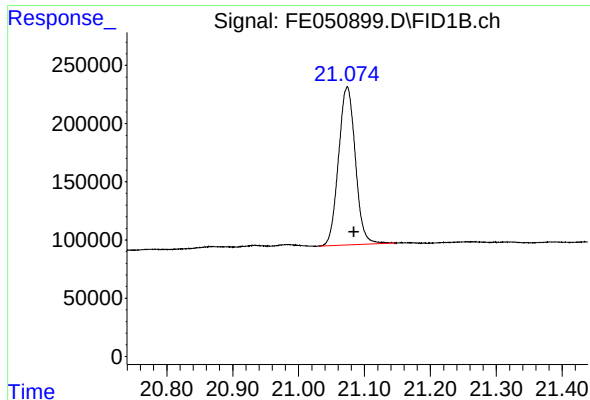
#19 n-Tetratriacontane (C34)

R.T.: 19.610 min
Delta R.T.: -0.009 min
Response: 3190698
Conc: 21.72 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.349 min
Delta R.T.: -0.009 min
Response: 2686310
Conc: 21.18 ug/ml m



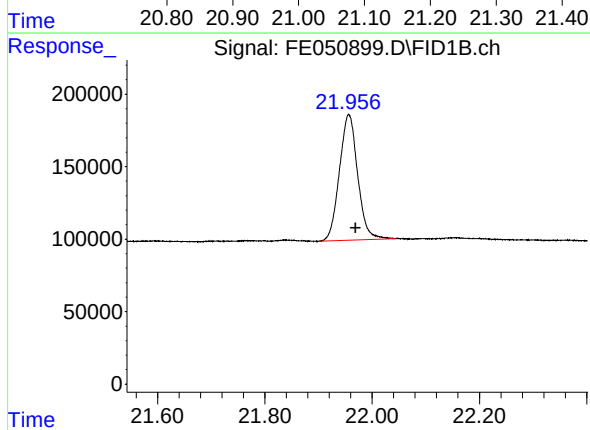
#21 n-Octatriacontane (C38)

R.T.: 21.074 min
Delta R.T.: -0.011 min
Response: 2403425
Conc: 19.44 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.957 min
Delta R.T.: -0.013 min
Response: 2043802
Conc: 18.35 ug/ml