

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101024AL\
 Data File : FE050579.D
 Signal(s) : FID1B.ch
 Acq On : 09 Oct 2024 20:22
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/10/2024
 Supervised By :Ankita Jodhani 10/10/2024

Integration File: autoint1.e
 Quant Time: Oct 09 23:35:48 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)	11.860	3194671	20.264 ug/ml
Spiked Amount 50.000		Recovery =	40.53%
12) S 1-chlorooctadecane (S...	13.295	2420144	20.459 ug/ml
Spiked Amount 50.000		Recovery =	40.92%
Target Compounds			
1) T n-Nonane (C9)	3.250	2822230	19.975 ug/ml
2) T n-Decane (C10)	4.500	2907329	20.264 ug/ml
3) T A~Naphthalene (C11.7)	6.211	2918862	20.413 ug/ml
4) T n-Dodecane (C12)	6.667	2926755	20.334 ug/ml
5) T A~2-methylnaphthalene...	7.306	2757380	20.814 ug/ml
6) T n-Tetradecane (C14)	8.494	2903603	20.295 ug/ml
7) T n-Hexadecane (C16)	10.100	2998986	20.378 ug/ml
8) T n-Octadecane (C18)	11.541	3035122	20.320 ug/ml
10) T n-Eicosane (C20)	12.848	2906928	20.271 ug/ml
11) T n-Heneicosane (C21)	13.460	2847256	20.275 ug/ml
13) T n-Docosane (C22)	14.045	2813336	20.053 ug/ml
14) T n-Tetracosane (C24)	15.146	2836750	20.079 ug/ml
15) T n-Hexacosane (C26)	16.165	2830707	20.116 ug/ml
16) T n-Octacosane (C28)	17.114	2932332	20.039 ug/ml
17) T n-Tricontane (C30)	18.000	3180738	20.004 ug/ml
18) T n-Dotriacontane (C32)	18.832	3237639	19.971 ug/ml
19) T n-Tetratriacontane (C34)	19.614	2937564	19.998 ug/ml
20) T n-Hexatriacontane (C36)	20.354	2566212	20.236 ug/ml
21) T n-Octatriacontane (C38)	21.078	2467242	19.954 ug/ml
22) T n-Tetracontane (C40)	21.964	2122590	19.062 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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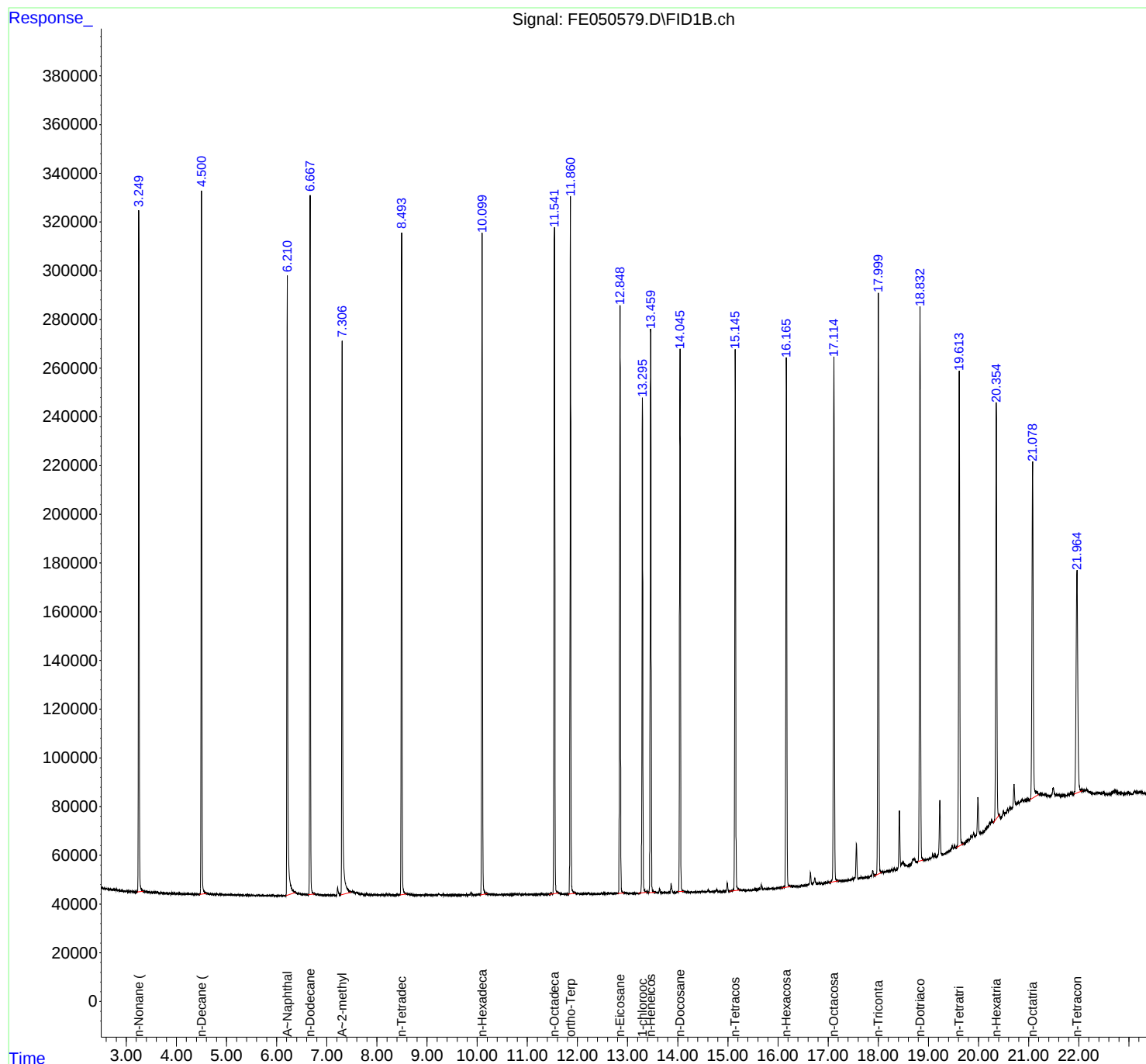
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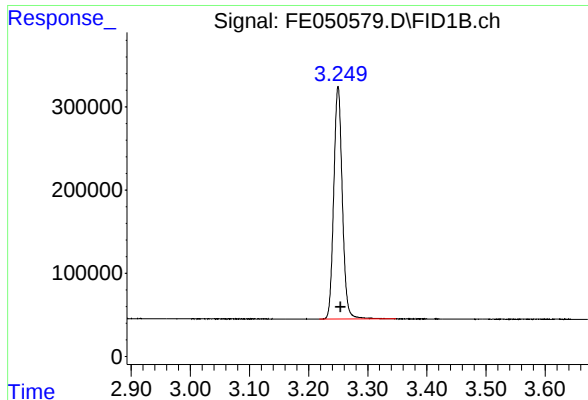
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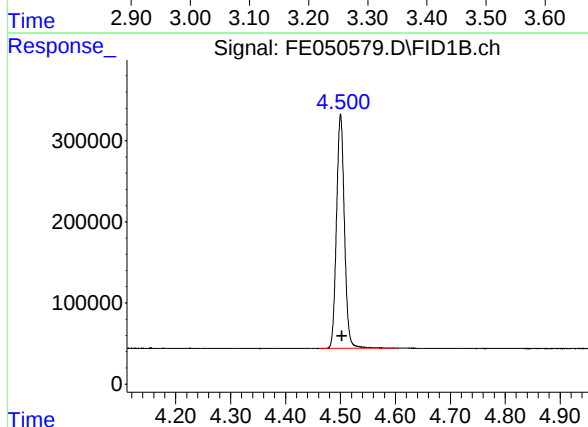
#1 n-Nonane (C9)

R.T.: 3.250 min
Delta R.T.: -0.004 min
Response: 2822230
Conc: 19.97 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

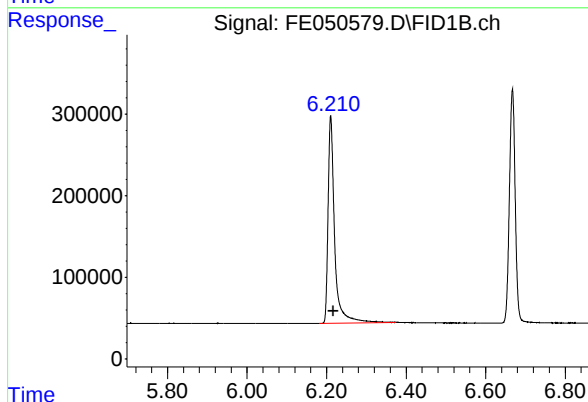
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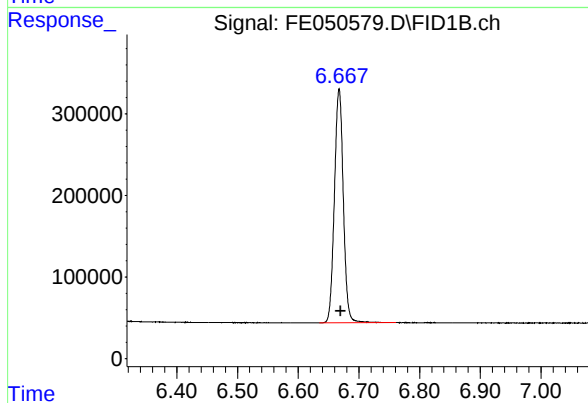
#2 n-Decane (C10)

R.T.: 4.500 min
Delta R.T.: -0.003 min
Response: 2907329
Conc: 20.26 ug/ml



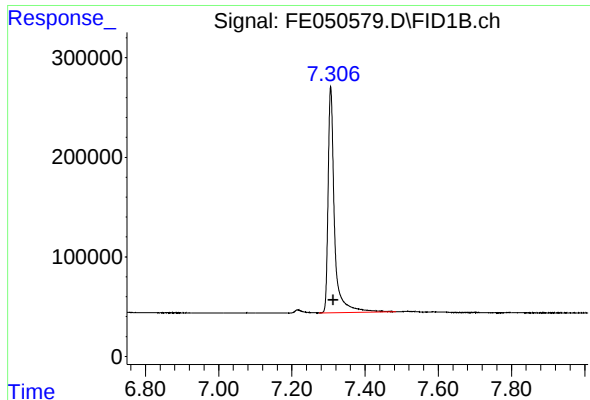
#3 A~Naphthalene (C11.7)

R.T.: 6.211 min
Delta R.T.: -0.006 min
Response: 2918862
Conc: 20.41 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.667 min
Delta R.T.: -0.002 min
Response: 2926755
Conc: 20.33 ug/ml



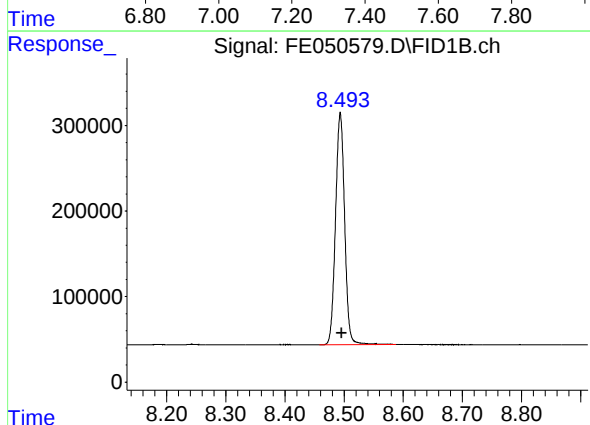
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.306 min
Delta R.T.: -0.006 min
Response: 2757380
Conc: 20.81 ug/ml

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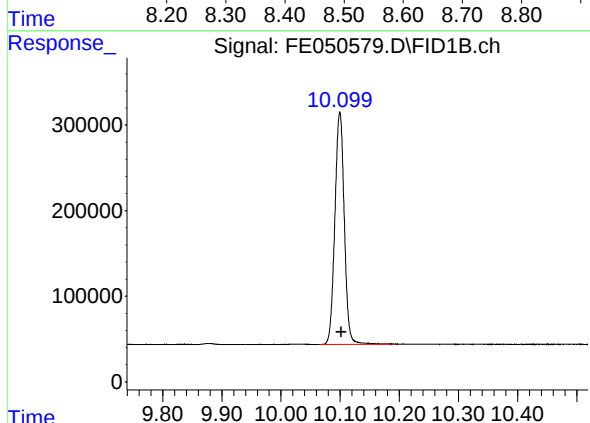
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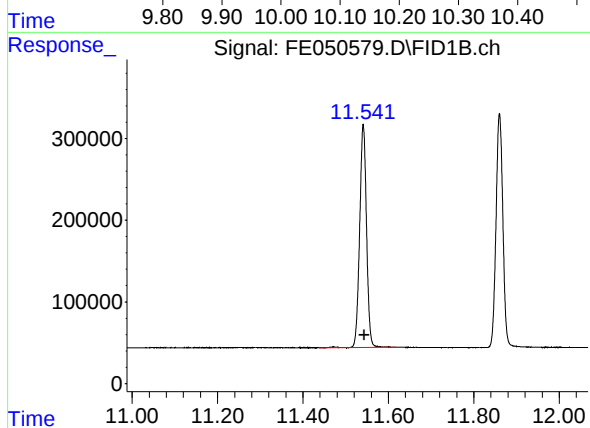
#6 n-Tetradecane (C14)

R.T.: 8.494 min
Delta R.T.: -0.003 min
Response: 2903603
Conc: 20.30 ug/ml



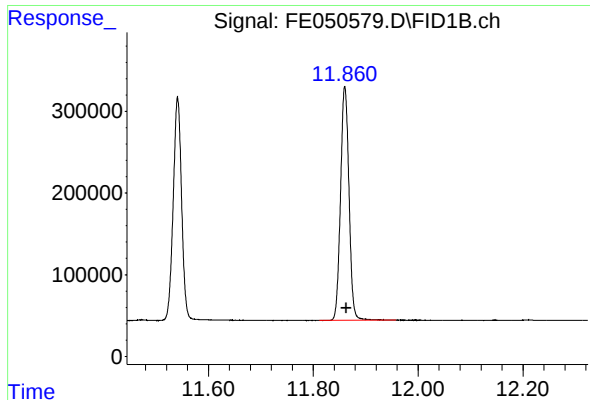
#7 n-Hexadecane (C16)

R.T.: 10.100 min
Delta R.T.: -0.003 min
Response: 2998986
Conc: 20.38 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.541 min
Delta R.T.: -0.003 min
Response: 3035122
Conc: 20.32 ug/ml



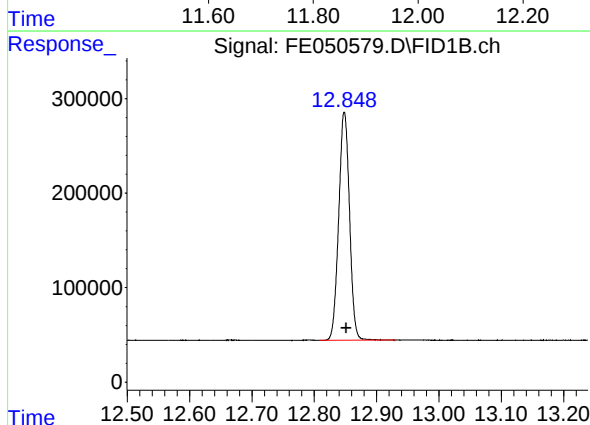
#9 ortho-Terphenyl (SURR)

R.T.: 11.860 min
Delta R.T.: -0.003 min
Response: 3194671
Conc: 20.26 ug/ml

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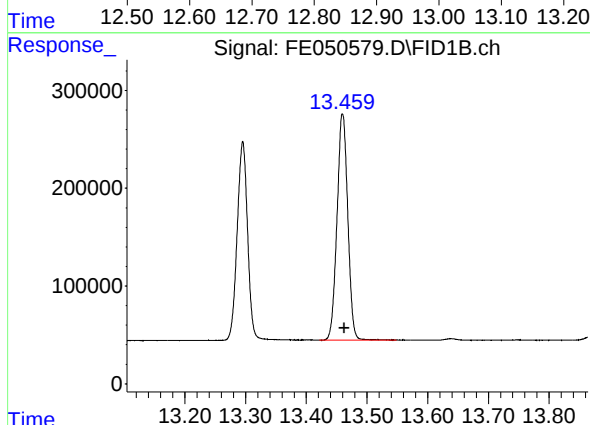
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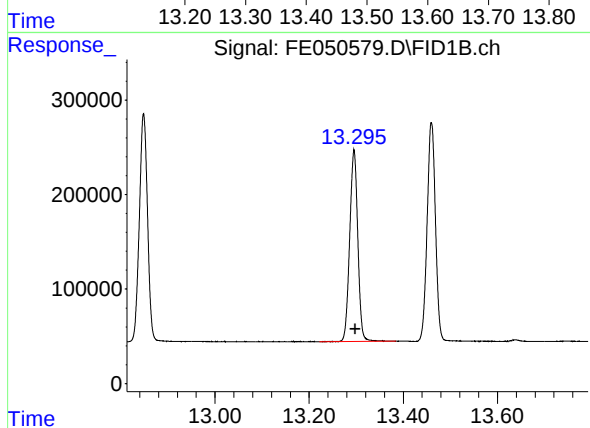
#10 n-Eicosane (C20)

R.T.: 12.848 min
Delta R.T.: -0.003 min
Response: 2906928
Conc: 20.27 ug/ml



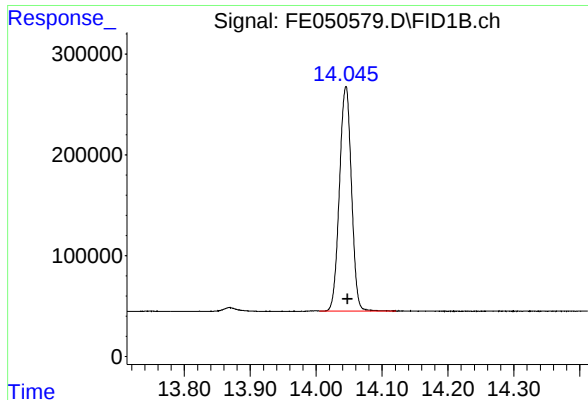
#11 n-Heneicosane (C21)

R.T.: 13.460 min
Delta R.T.: -0.003 min
Response: 2847256
Conc: 20.27 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.295 min
Delta R.T.: -0.003 min
Response: 2420144
Conc: 20.46 ug/ml



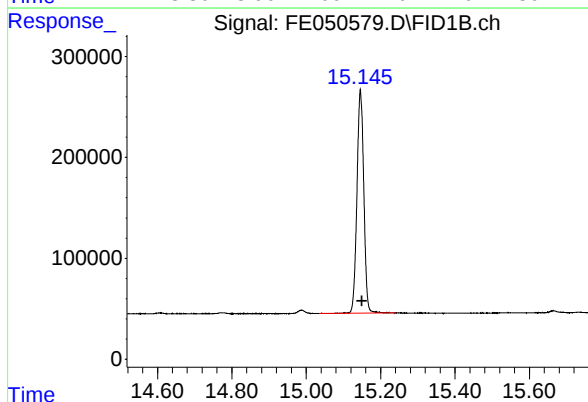
#13 n-Docosane (C22)

R.T.: 14.045 min
Delta R.T.: -0.003 min
Response: 2813336
Conc: 20.05 ug/ml

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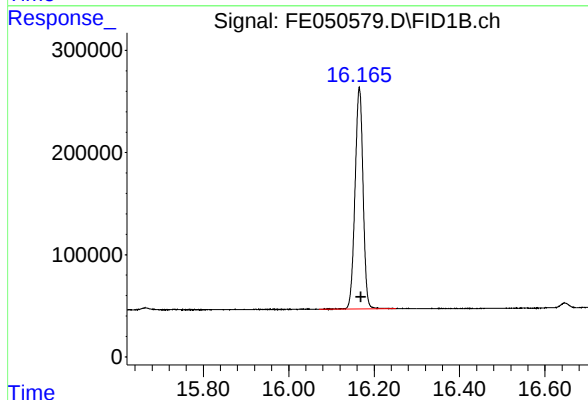
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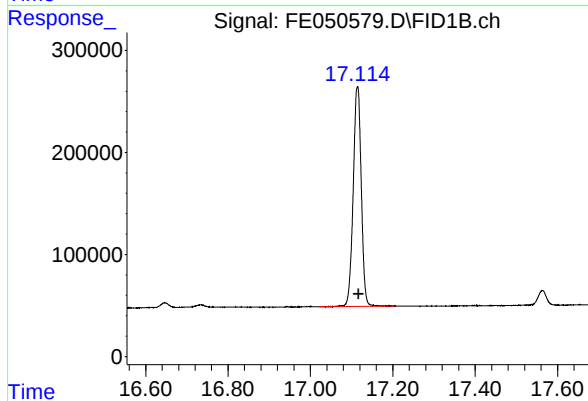
#14 n-Tetracosane (C24)

R.T.: 15.146 min
Delta R.T.: -0.004 min
Response: 2836750
Conc: 20.08 ug/ml



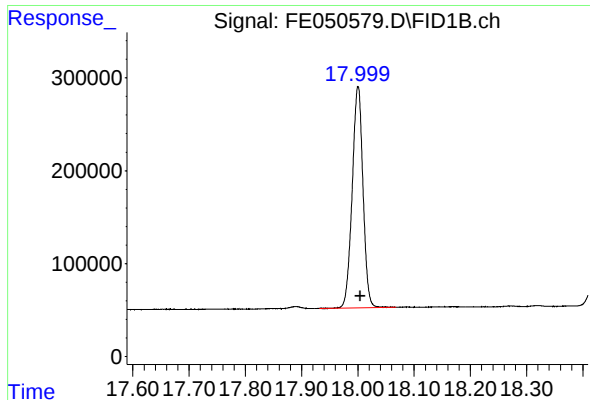
#15 n-Hexacosane (C26)

R.T.: 16.165 min
Delta R.T.: -0.004 min
Response: 2830707
Conc: 20.12 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.114 min
Delta R.T.: -0.003 min
Response: 2932332
Conc: 20.04 ug/ml



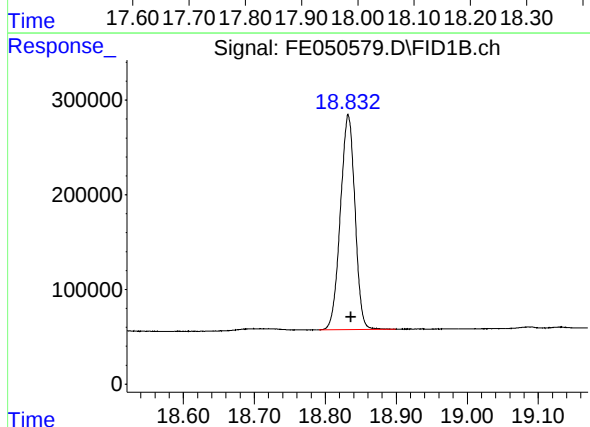
#17 n-Tricontane (C30)

R.T.: 18.000 min
Delta R.T.: -0.004 min
Response: 3180738
Conc: 20.00 ug/ml

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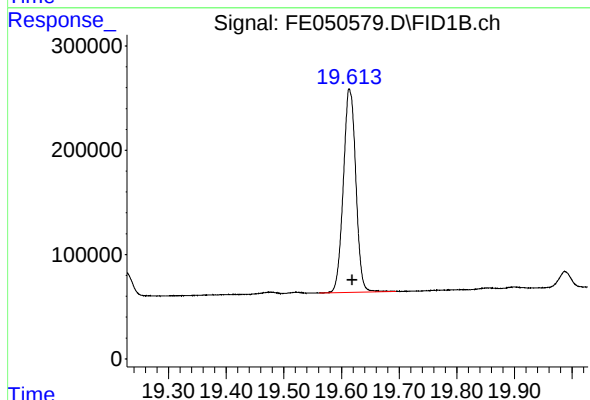
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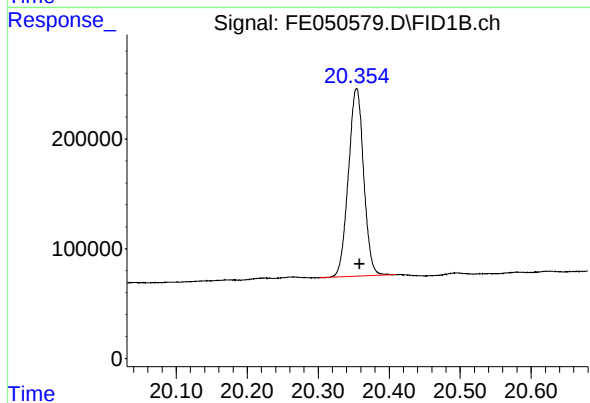
#18 n-Dotriacontane (C32)

R.T.: 18.832 min
Delta R.T.: -0.004 min
Response: 3237639
Conc: 19.97 ug/ml



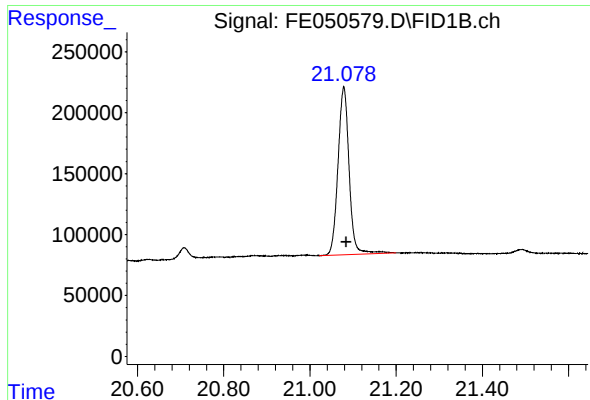
#19 n-Tetratriacontane (C34)

R.T.: 19.614 min
Delta R.T.: -0.004 min
Response: 2937564
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.354 min
Delta R.T.: -0.005 min
Response: 2566212
Conc: 20.24 ug/ml



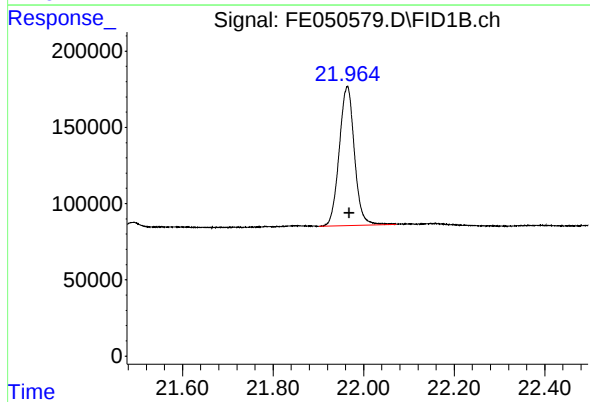
#21 n-Octatriacontane (C38)

R.T.: 21.078 min
Delta R.T.: -0.006 min
Response: 2467242
Conc: 19.95 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.964 min
Delta R.T.: -0.005 min
Response: 2122590
Conc: 19.06 ug/ml m