

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041025AL\
 Data File : FE053300.D
 Signal(s) : FID1B.ch
 Acq On : 10 Apr 2025 11:47
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/11/2025
 Supervised By :mohammad ahmed 04/14/2025

Integration File: autoint1.e
 Quant Time: Apr 11 02:06:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
 Quant Title : GC Extractables
 QLast Update : Mon Mar 31 02:44:53 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)	11.885	3092154	18.984 ug/ml
Spiked Amount 50.000		Recovery =	37.97%
12) S 1-chlorooctadecane (S...	13.330	2372892	19.767 ug/ml
Spiked Amount 50.000		Recovery =	39.53%
Target Compounds			
1) T n-Nonane (C9)	3.234	2826520	18.254 ug/ml
2) T n-Decane (C10)	4.494	3005893	19.163 ug/ml
3) T A~Naphthalene (C11.7)	6.206	3172407	18.885 ug/ml
4) T n-Dodecane (C12)	6.674	3025224	19.343 ug/ml
5) T A~2-methylnaphthalene...	7.308	3033730	19.013 ug/ml
6) T n-Tetradecane (C14)	8.509	2992322	19.543 ug/ml
7) T n-Hexadecane (C16)	10.123	3046215	19.762 ug/ml
8) T n-Octadecane (C18)	11.571	3007394	19.829 ug/ml
10) T n-Eicosane (C20)	12.884	2834493	19.881 ug/ml
11) T n-Heneicosane (C21)	13.498	2720170	19.602 ug/ml
13) T n-Docosane (C22)	14.086	2750966	20.087 ug/ml
14) T n-Tetracosane (C24)	15.192	2870276	21.252 ug/ml
15) T n-Hexacosane (C26)	16.215	2917290	21.868 ug/ml
16) T n-Octacosane (C28)	17.166	2990612	22.662 ug/ml
17) T n-Tricontane (C30)	18.055	3130770	23.098 ug/ml
18) T n-Dotriacontane (C32)	18.889	3072306	22.832 ug/ml
19) T n-Tetratriacontane (C34)	19.674	2722431	21.039 ug/ml
20) T n-Hexatriacontane (C36)	20.415	2288043	19.261 ug/ml
21) T n-Octatriacontane (C38)	21.152	2138425	18.605 ug/ml
22) T n-Tetracontane (C40)	22.061	1836019	16.347 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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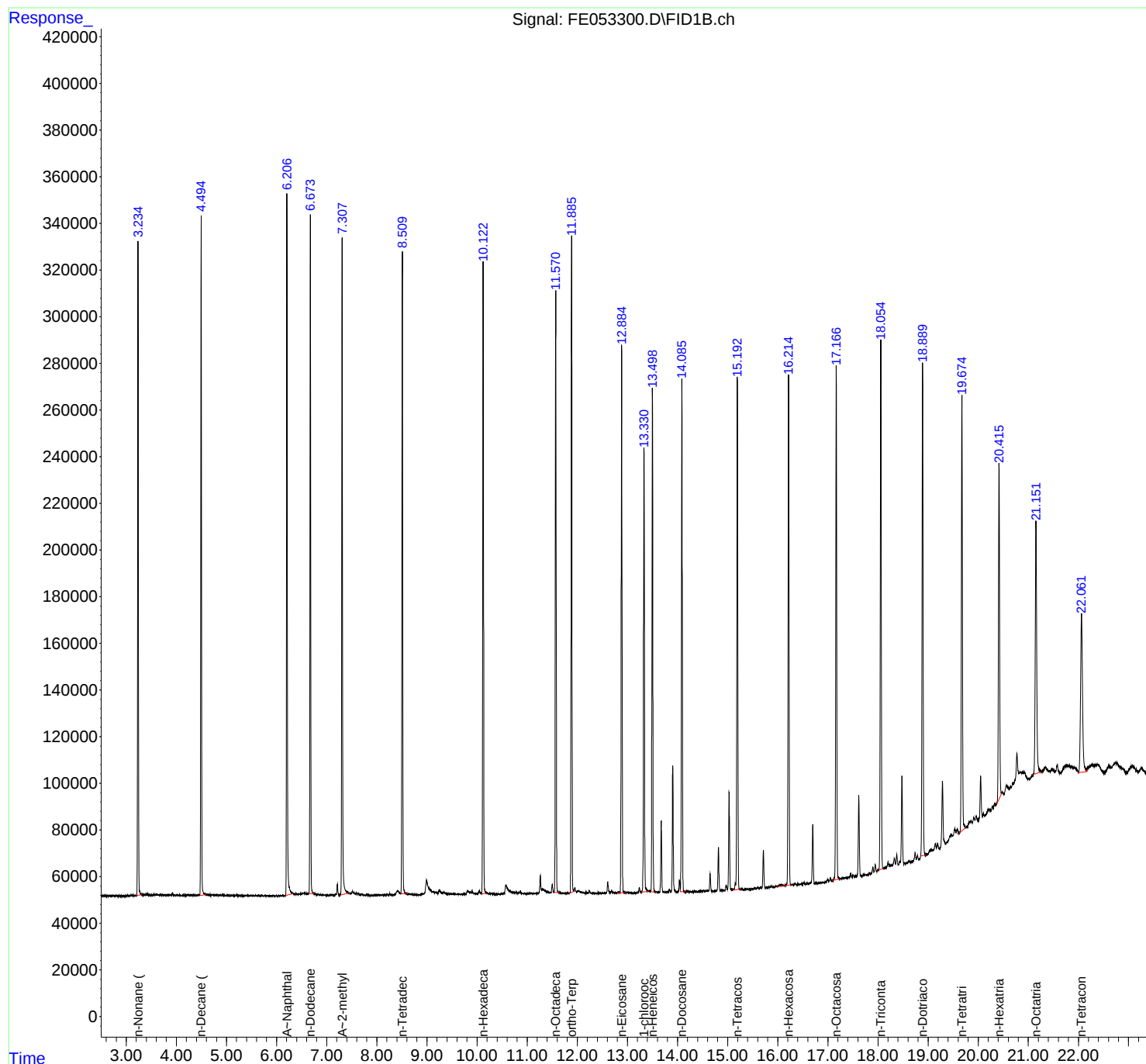
Instrument :
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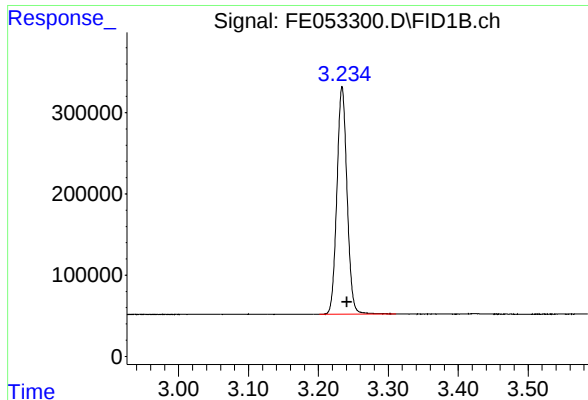
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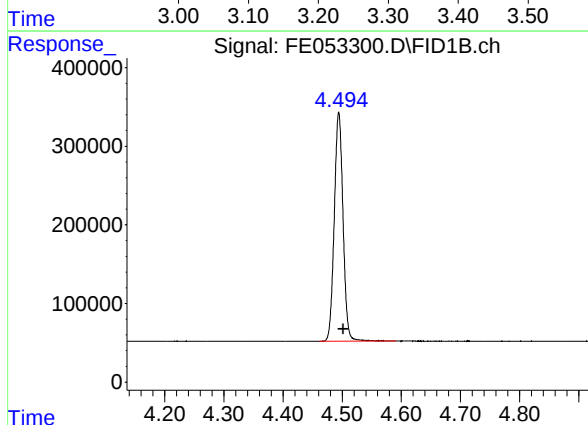
#1 n-Nonane (C9)

R.T.: 3.234 min
Delta R.T.: -0.007 min
Response: 2826520
Conc: 18.25 ug/ml

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20 PPM ALIPHATIC HC STD

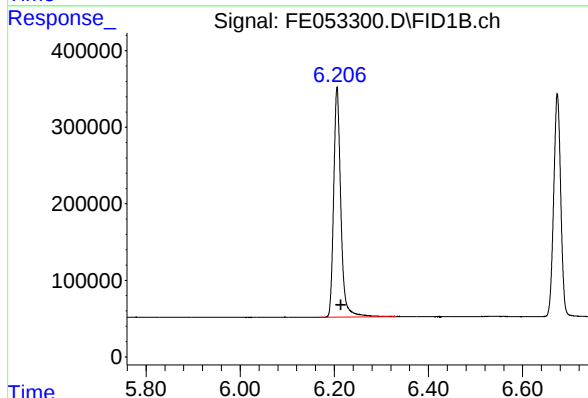
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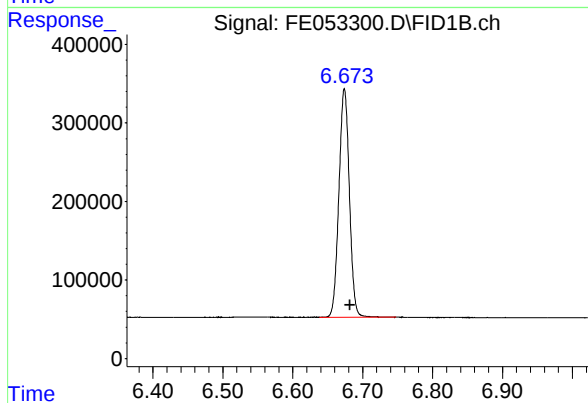
#2 n-Decane (C10)

R.T.: 4.494 min
Delta R.T.: -0.008 min
Response: 3005893
Conc: 19.16 ug/ml



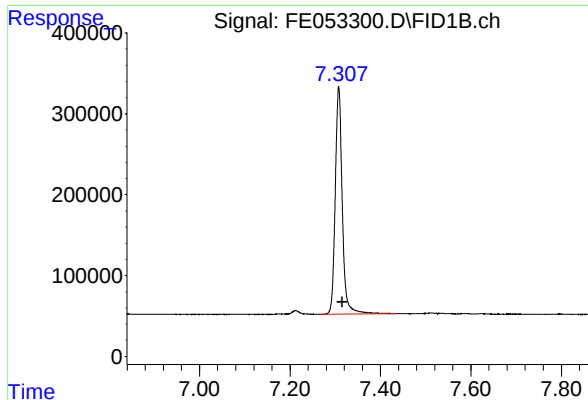
#3 A~Naphthalene (C11.7)

R.T.: 6.206 min
Delta R.T.: -0.008 min
Response: 3172407
Conc: 18.88 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.674 min
Delta R.T.: -0.008 min
Response: 3025224
Conc: 19.34 ug/ml



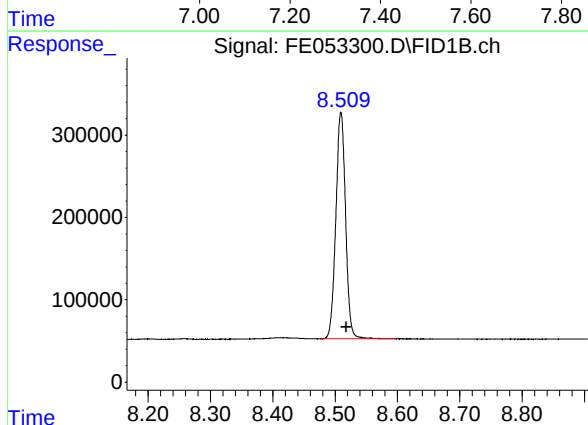
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.308 min
Delta R.T.: -0.008 min
Response: 3033730
Conc: 19.01 ug/ml

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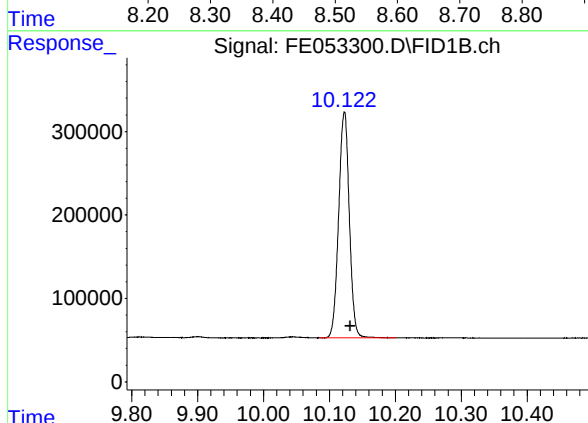
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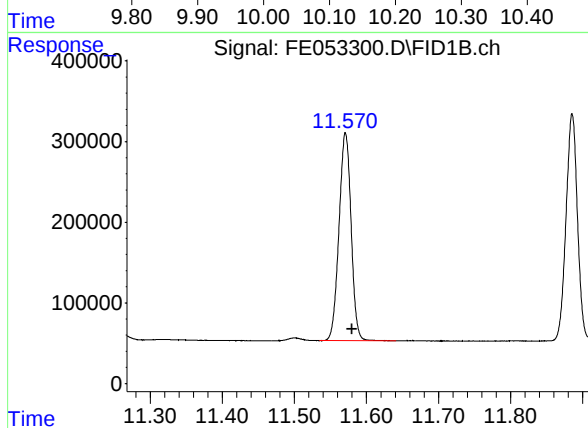
#6 n-Tetradecane (C14)

R.T.: 8.509 min
Delta R.T.: -0.009 min
Response: 2992322
Conc: 19.54 ug/ml



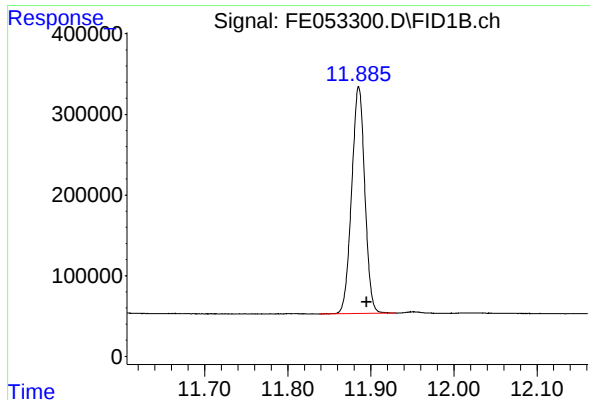
#7 n-Hexadecane (C16)

R.T.: 10.123 min
Delta R.T.: -0.009 min
Response: 3046215
Conc: 19.76 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.571 min
Delta R.T.: -0.009 min
Response: 3007394
Conc: 19.83 ug/ml



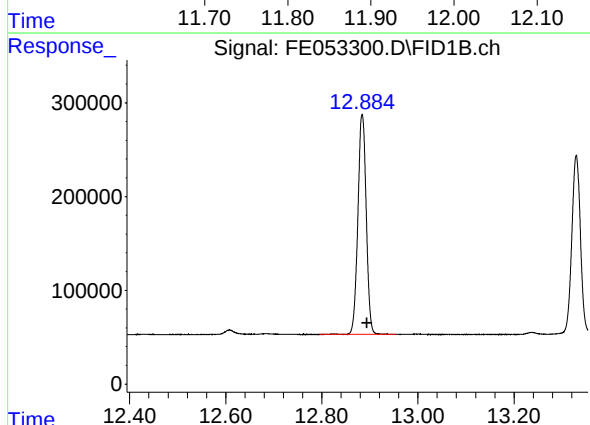
#9 ortho-Terphenyl (SURR)

R.T.: 11.885 min
Delta R.T.: -0.010 min
Response: 3092154
Conc: 18.98 ug/ml

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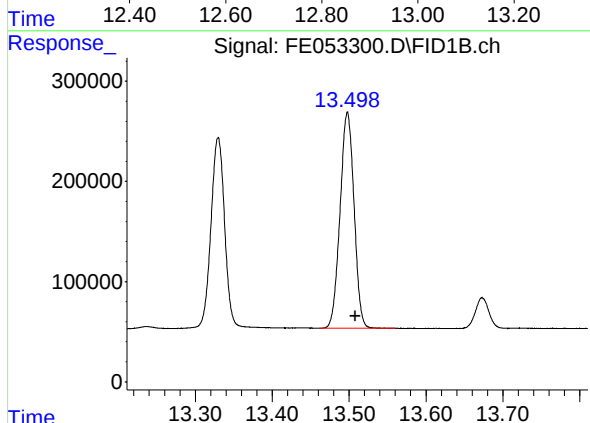
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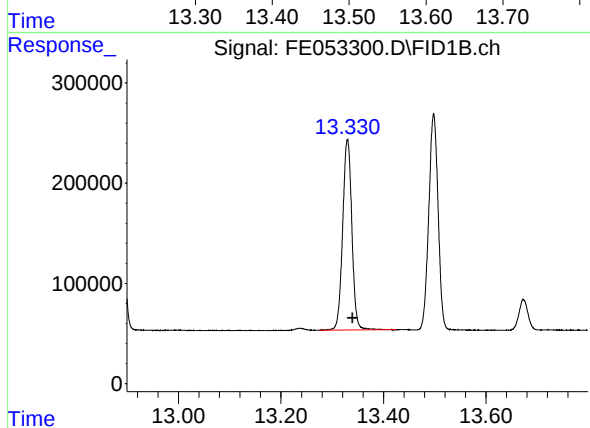
#10 n-Eicosane (C20)

R.T.: 12.884 min
Delta R.T.: -0.010 min
Response: 2834493
Conc: 19.88 ug/ml



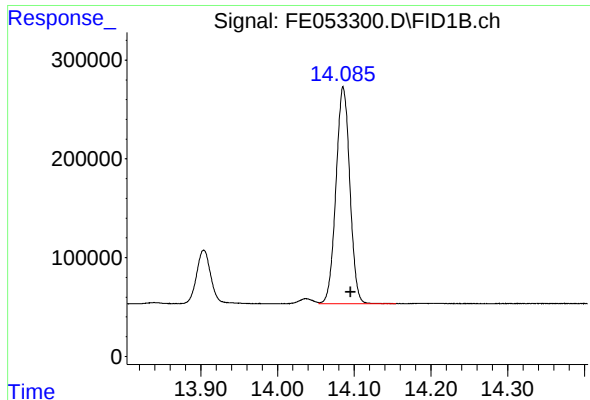
#11 n-Heneicosane (C21)

R.T.: 13.498 min
Delta R.T.: -0.010 min
Response: 2720170
Conc: 19.60 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.330 min
Delta R.T.: -0.010 min
Response: 2372892
Conc: 19.77 ug/ml



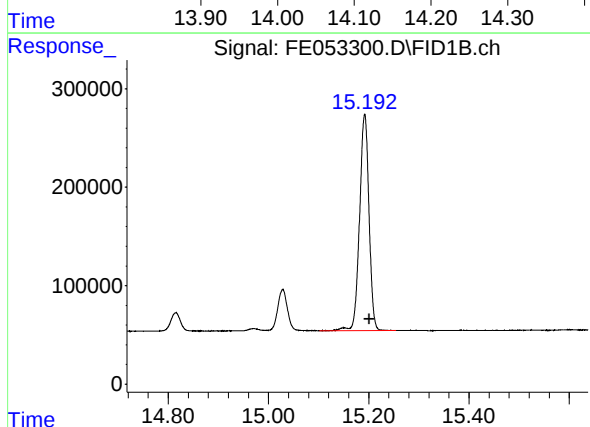
#13 n-Docosane (C22)

R.T.: 14.086 min
Delta R.T.: -0.010 min
Response: 2750966
Conc: 20.09 ug/ml

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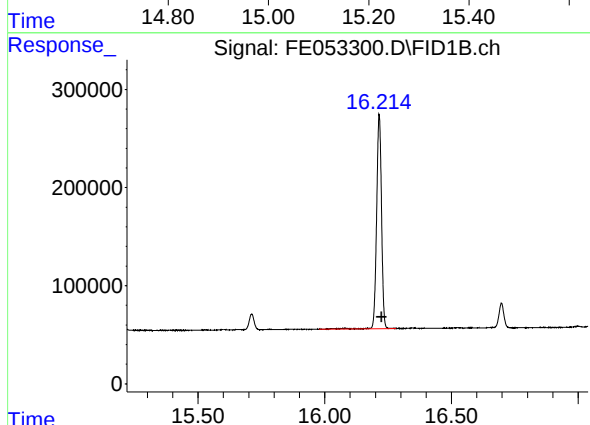
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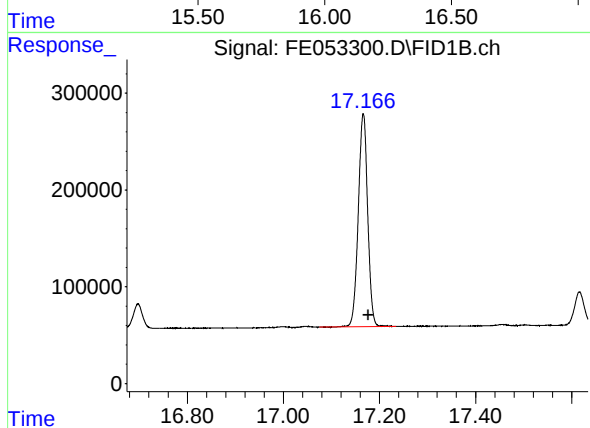
#14 n-Tetracosane (C24)

R.T.: 15.192 min
Delta R.T.: -0.009 min
Response: 2870276
Conc: 21.25 ug/ml



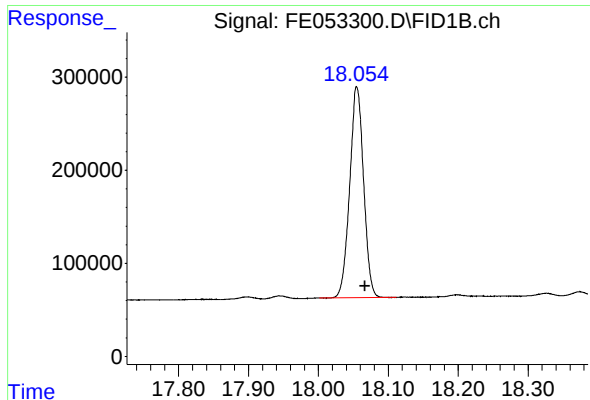
#15 n-Hexacosane (C26)

R.T.: 16.215 min
Delta R.T.: -0.010 min
Response: 2917290
Conc: 21.87 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.166 min
Delta R.T.: -0.010 min
Response: 2990612
Conc: 22.66 ug/ml



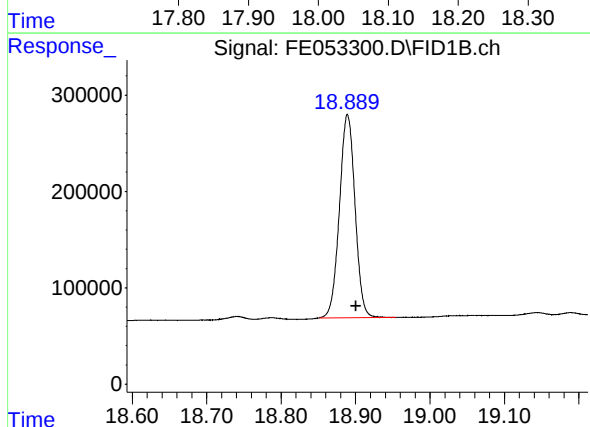
#17 n-Tricontane (C30)

R.T.: 18.055 min
Delta R.T.: -0.011 min
Response: 3130770
Conc: 23.10 ug/ml

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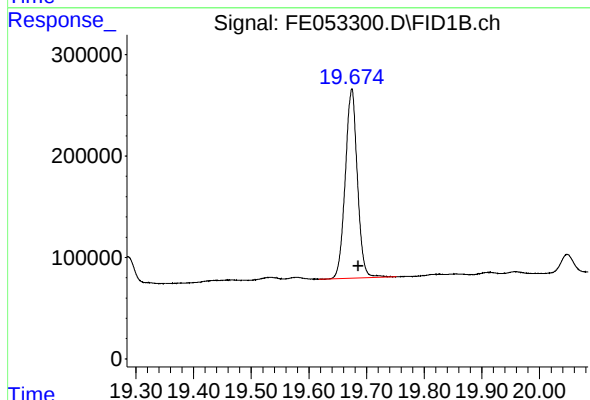
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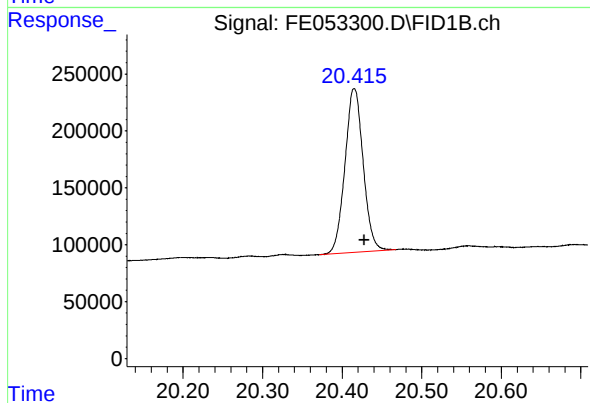
#18 n-Dotriacontane (C32)

R.T.: 18.889 min
Delta R.T.: -0.011 min
Response: 3072306
Conc: 22.83 ug/ml



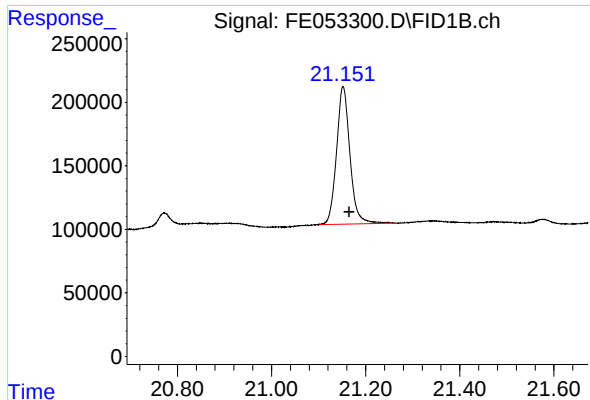
#19 n-Tetatriacontane (C34)

R.T.: 19.674 min
Delta R.T.: -0.012 min
Response: 2722431
Conc: 21.04 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.415 min
Delta R.T.: -0.012 min
Response: 2288043
Conc: 19.26 ug/ml



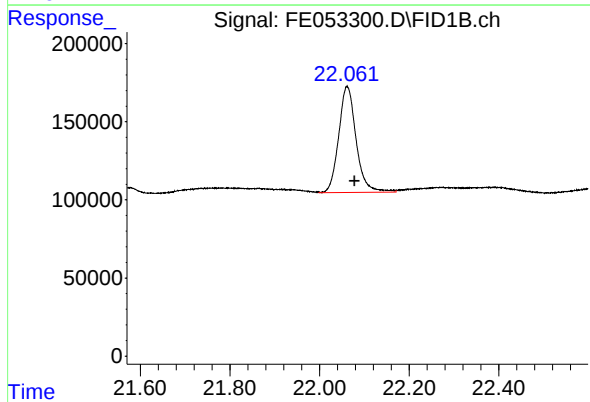
#21 n-Octatriacontane (C38)

R.T.: 21.152 min
Delta R.T.: -0.013 min
Response: 2138425
Conc: 18.61 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.061 min
Delta R.T.: -0.018 min
Response: 1836019
Conc: 16.35 ug/ml m