

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE033023AL\
 Data File : FE041095.D
 Signal(s) : FID1B.ch
 Acq On : 30 Mar 2023 11:22
 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 03/30/2023
 Supervised By :Ankita Jodhani 03/30/2023

Integration File: sample.E
 Quant Time: Mar 30 14:50:16 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032523.M
 Quant Title : GC Extractables
 QLast Update : Sat Mar 25 06:32:15 2023
 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)	11.850	3422211	18.209 ug/ml
Spiked Amount 50.000		Recovery =	36.42%
12) S 1-chlorooctadecane (S...	13.289	2635727	18.319 ug/ml
Spiked Amount 50.000		Recovery =	36.64%
Target Compounds			
1) T n-Nonane (C9)	3.251	2838001	16.356 ug/ml
2) T n-Decane (C10)	4.498	2954209	17.356 ug/ml
3) T A~Naphthalene (C11.7)	6.200	3277986	17.921 ug/ml
4) T n-Dodecane (C12)	6.661	3027085	17.451 ug/ml
5) T A~2-methylnaphthalene...	7.294	3120477	18.842 ug/ml
6) T n-Tetradecane (C14)	8.487	3077963	17.652 ug/ml
7) T n-Hexadecane (C16)	10.093	3179570	17.878 ug/ml
8) T n-Octadecane (C18)	11.536	3232002	18.101 ug/ml
10) T n-Eicosane (C20)	12.844	3106954	18.215 ug/ml
11) T n-Heneicosane (C21)	13.457	3089660	18.262 ug/ml
13) T n-Docosane (C22)	14.043	3047165	18.413 ug/ml
14) T n-Tetracosane (C24)	15.147	3035736	18.764 ug/ml
15) T n-Hexacosane (C26)	16.169	2951222	19.038 ug/ml
16) T n-Octacosane (C28)	17.120	3078895	20.100 ug/ml
17) T n-Tricontane (C30)	18.009	3440125	22.506 ug/ml
18) T n-Dotriacontane (C32)	18.842	3663945	23.468 ug/ml
19) T n-Tetratriacontane (C34)	19.625	3470263	22.393 ug/mlm
20) T n-Hexatriacontane (C36)	20.367	3202718	21.085 ug/ml
21) T n-Octatriacontane (C38)	21.094	3071061	19.659 ug/mlm
22) T n-Tetracontane (C40)	21.978	3032918	19.003 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 4 Sample Multiplier: 1

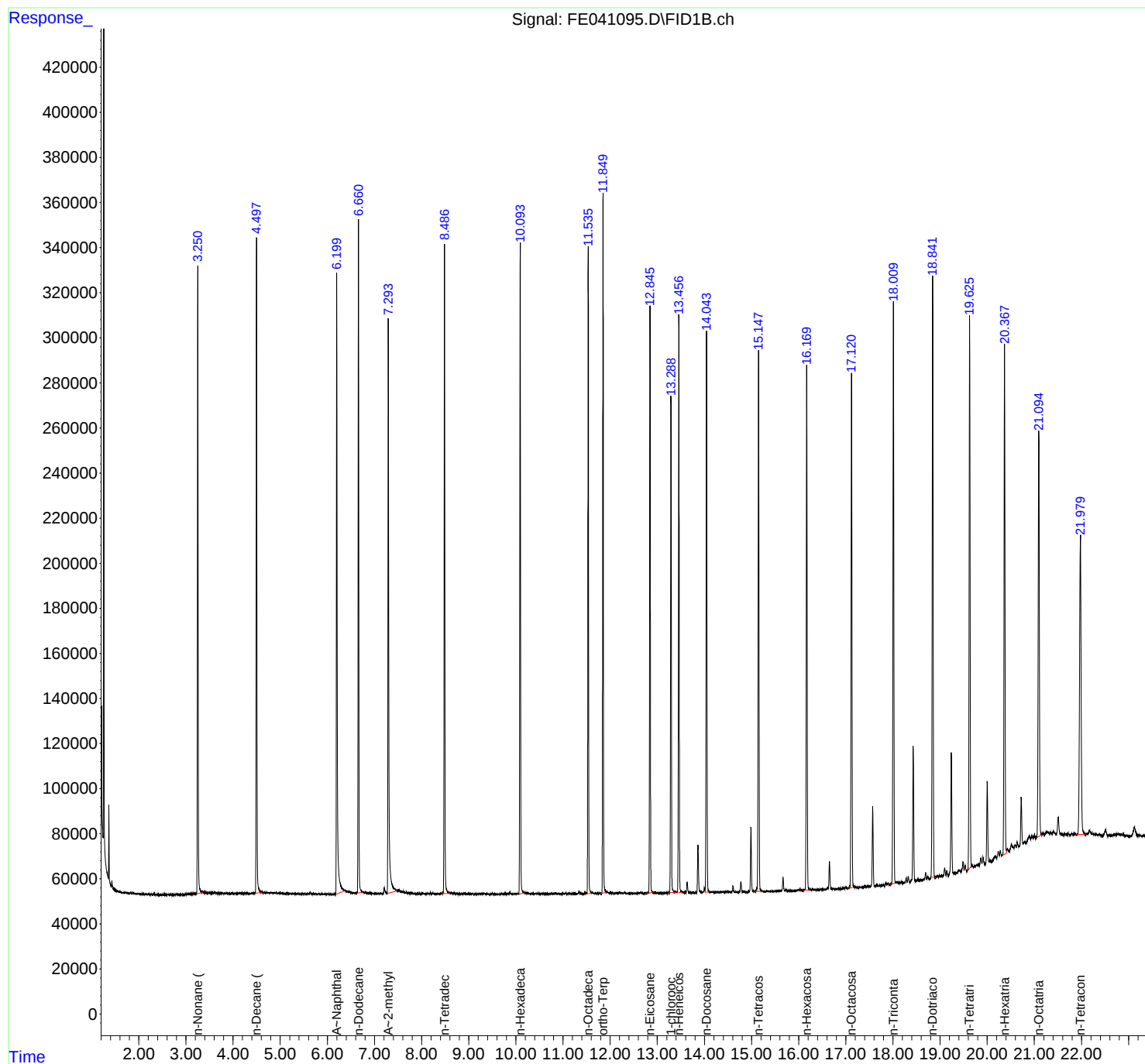
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20 PPM ALIPHATIC HC STD

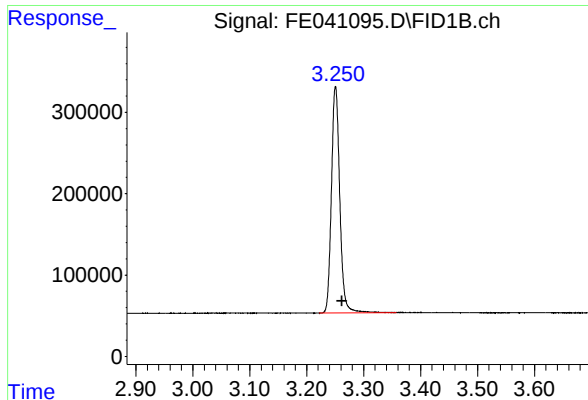
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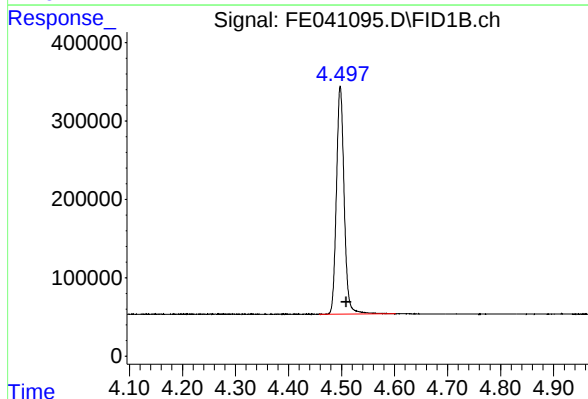
#1 n-Nonane (C9)

R.T.: 3.251 min
Delta R.T.: -0.011 min
Response: 2838001
Conc: 16.36 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

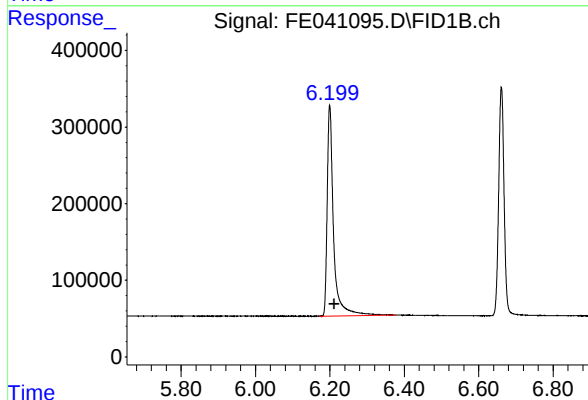
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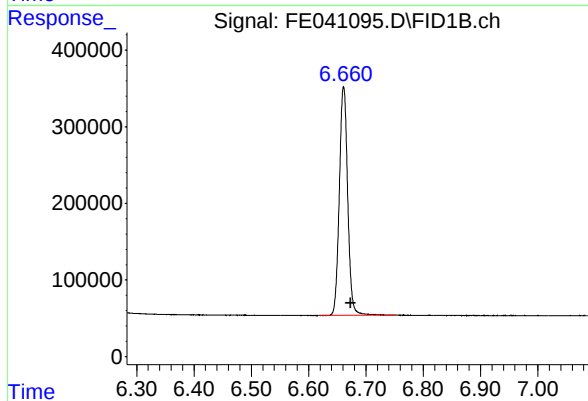
#2 n-Decane (C10)

R.T.: 4.498 min
Delta R.T.: -0.011 min
Response: 2954209
Conc: 17.36 ug/ml



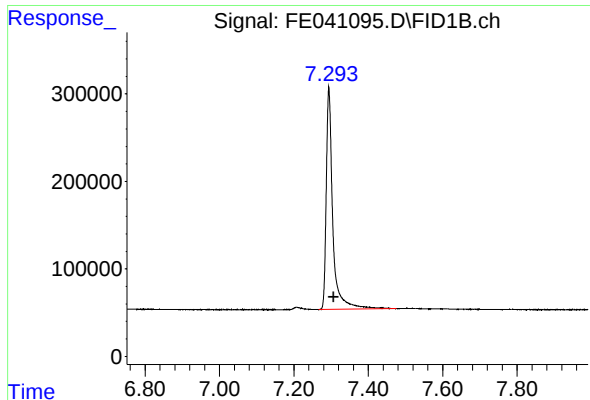
#3 A~Naphthalene (C11.7)

R.T.: 6.200 min
Delta R.T.: -0.012 min
Response: 3277986
Conc: 17.92 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.661 min
Delta R.T.: -0.012 min
Response: 3027085
Conc: 17.45 ug/ml



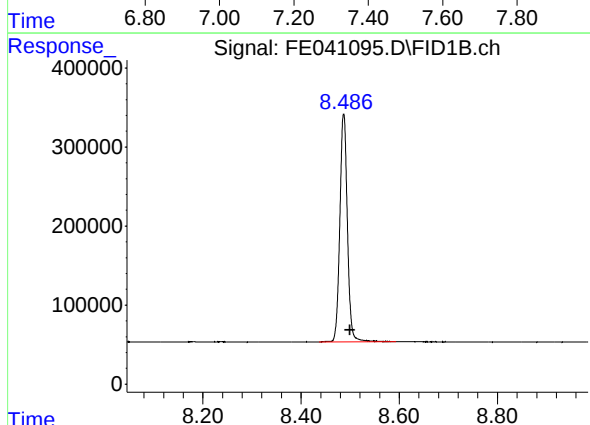
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.294 min
Delta R.T.: -0.013 min
Response: 3120477
Conc: 18.84 ug/ml

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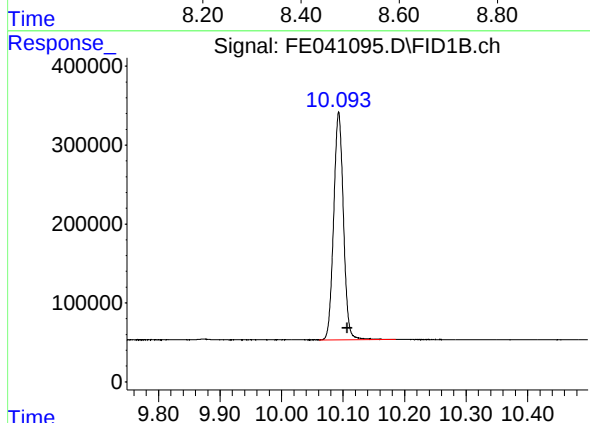
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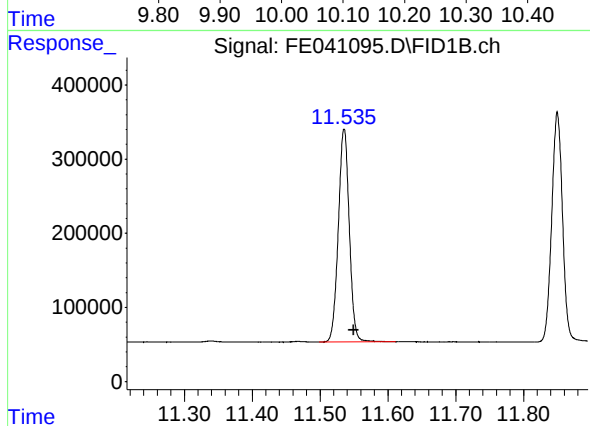
#6 n-Tetradecane (C14)

R.T.: 8.487 min
Delta R.T.: -0.013 min
Response: 3077963
Conc: 17.65 ug/ml



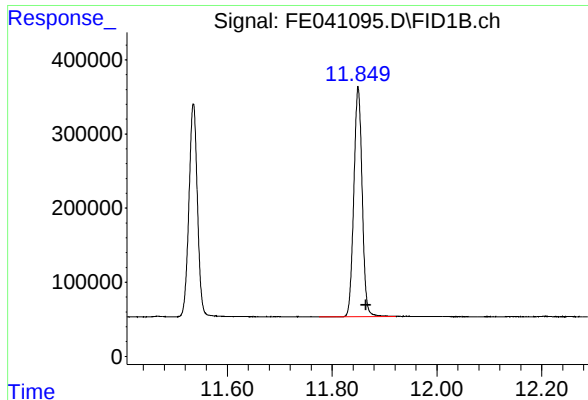
#7 n-Hexadecane (C16)

R.T.: 10.093 min
Delta R.T.: -0.014 min
Response: 3179570
Conc: 17.88 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.536 min
Delta R.T.: -0.014 min
Response: 3232002
Conc: 18.10 ug/ml



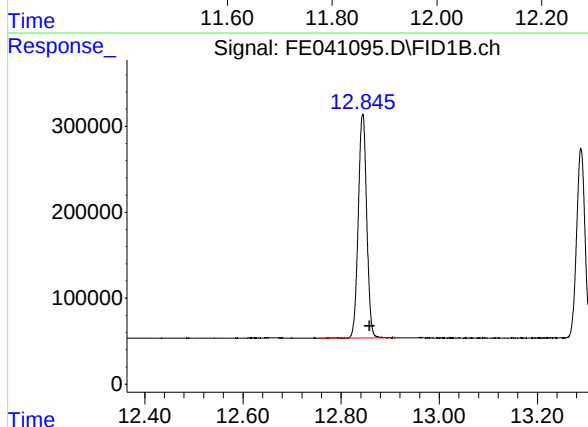
#9 ortho-Terphenyl (SURR)

R.T.: 11.850 min
Delta R.T.: -0.015 min
Response: 3422211
Conc: 18.21 ug/ml

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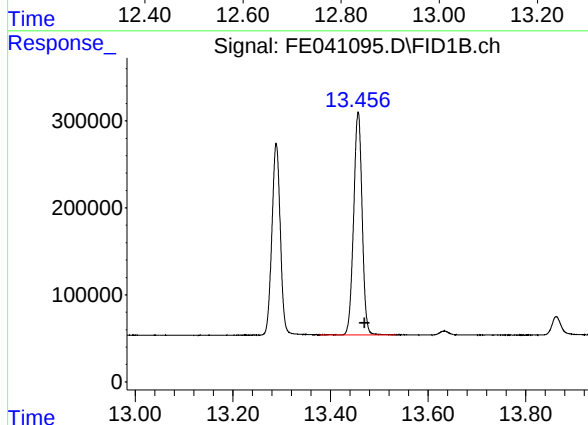
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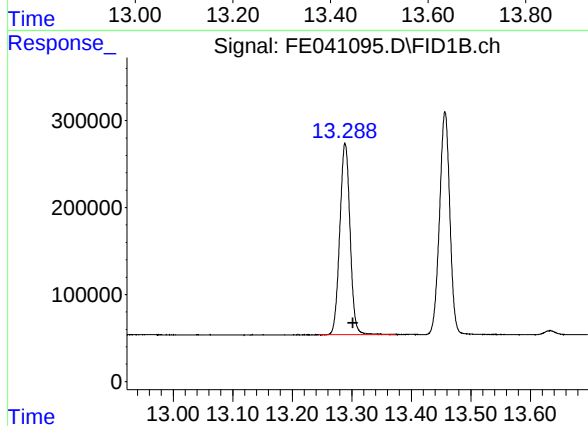
#10 n-Eicosane (C20)

R.T.: 12.844 min
Delta R.T.: -0.014 min
Response: 3106954
Conc: 18.21 ug/ml



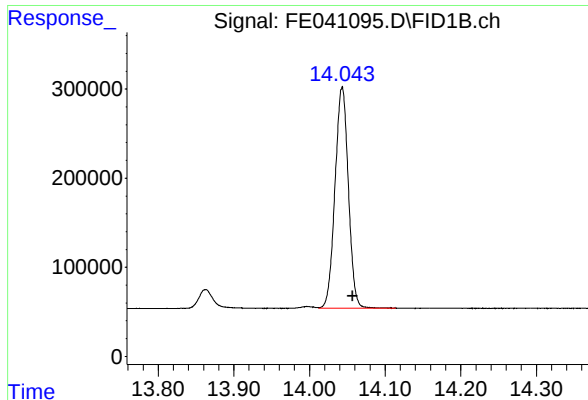
#11 n-Heneicosane (C21)

R.T.: 13.457 min
Delta R.T.: -0.013 min
Response: 3089660
Conc: 18.26 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.289 min
Delta R.T.: -0.013 min
Response: 2635727
Conc: 18.32 ug/ml



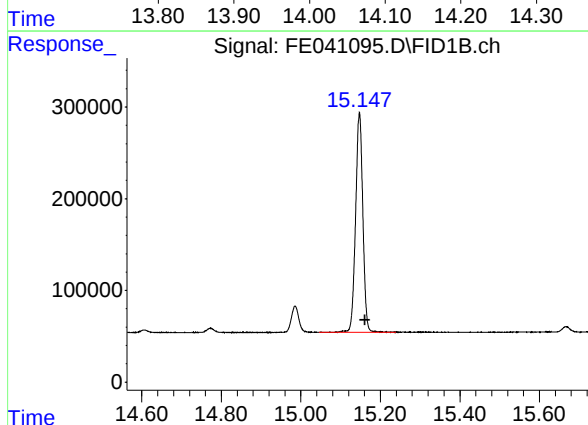
#13 n-Docosane (C22)

R.T.: 14.043 min
Delta R.T.: -0.014 min
Response: 3047165
Conc: 18.41 ug/ml

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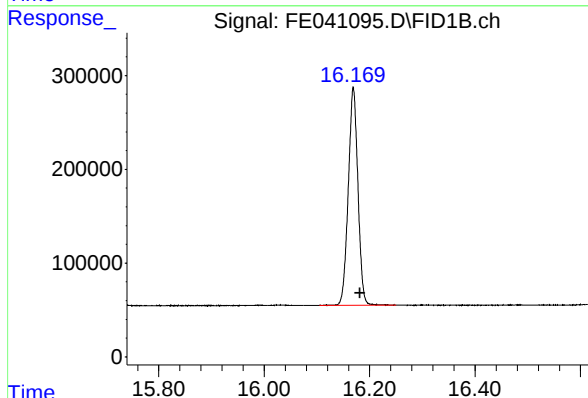
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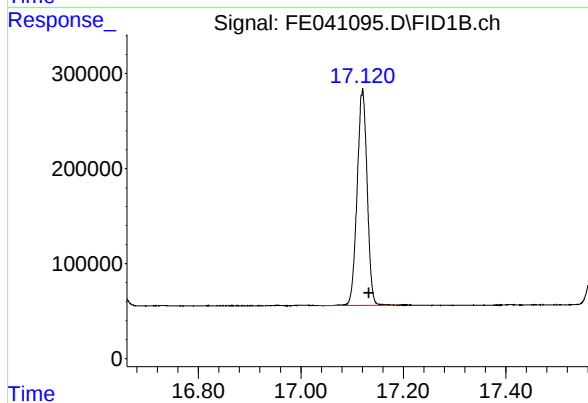
#14 n-Tetracosane (C24)

R.T.: 15.147 min
Delta R.T.: -0.013 min
Response: 3035736
Conc: 18.76 ug/ml



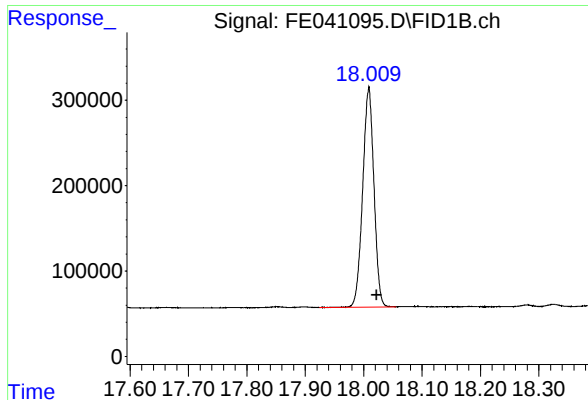
#15 n-Hexacosane (C26)

R.T.: 16.169 min
Delta R.T.: -0.013 min
Response: 2951222
Conc: 19.04 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.120 min
Delta R.T.: -0.013 min
Response: 3078895
Conc: 20.10 ug/ml



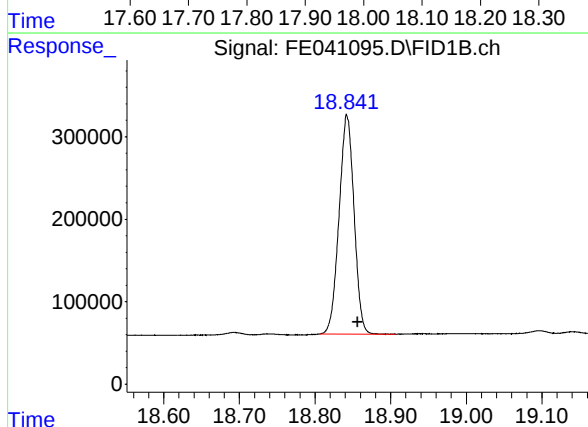
#17 n-Tricontane (C30)

R.T.: 18.009 min
Delta R.T.: -0.013 min
Response: 3440125
Conc: 22.51 ug/ml

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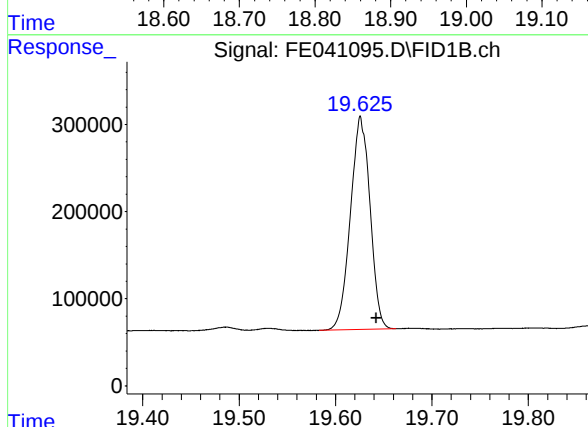
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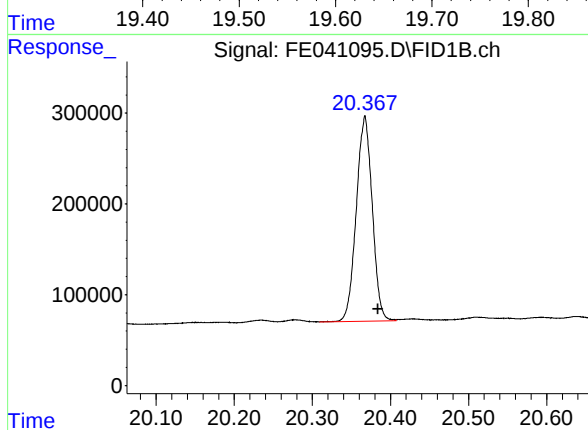
#18 n-Dotriacontane (C32)

R.T.: 18.842 min
Delta R.T.: -0.015 min
Response: 3663945
Conc: 23.47 ug/ml



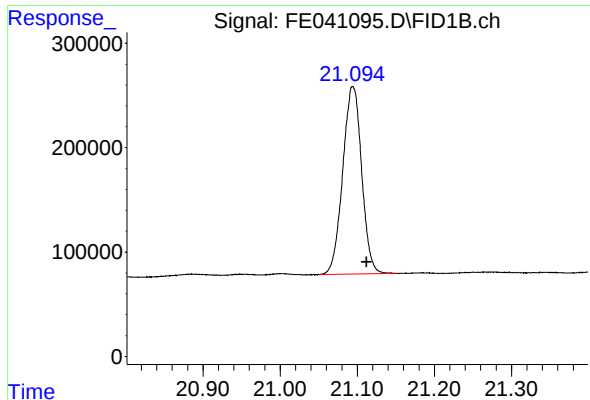
#19 n-Tetratriacontane (C34)

R.T.: 19.625 min
Delta R.T.: -0.017 min
Response: 3470263
Conc: 22.39 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.367 min
Delta R.T.: -0.017 min
Response: 3202718
Conc: 21.08 ug/ml



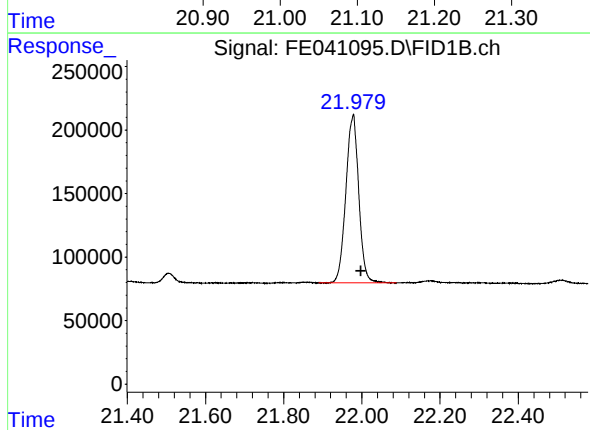
#21 n-Octatriacontane (C38)

R.T.: 21.094 min
Delta R.T.: -0.018 min
Response: 3071061
Conc: 19.66 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.978 min
Delta R.T.: -0.020 min
Response: 3032918
Conc: 19.00 ug/ml