

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE072624AL\
 Data File : FE049286.D
 Signal(s) : FID1B.ch
 Acq On : 27 Jul 2024 00:09
 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 07/29/2024
 Supervised By :Ankita Jodhani 07/29/2024

Integration File: autoint1.e
 Quant Time: Jul 27 01:04:46 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 071724.M
 Quant Title : GC Extractables
 QLast Update : Wed Jul 17 14:26:40 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)	11.906	2718528	17.527 ug/ml
Spiked Amount 50.000		Recovery =	35.05%
12) S 1-chlorooctadecane (S...	13.341	2091525	17.901 ug/ml
Spiked Amount 50.000		Recovery =	35.80%
Target Compounds			
1) T n-Nonane (C9)	3.294	2359754	15.691 ug/ml
2) T n-Decane (C10)	4.544	2566442	16.616 ug/ml
3) T A~Naphthalene (C11.7)	6.251	2619991	16.816 ug/ml
4) T n-Dodecane (C12)	6.710	2576383	16.732 ug/ml
5) T A~2-methylnaphthalene...	7.346	2492473	17.127 ug/ml
6) T n-Tetradecane (C14)	8.538	2569616	16.930 ug/ml
7) T n-Hexadecane (C16)	10.145	2644848	17.440 ug/ml
8) T n-Octadecane (C18)	11.587	2659156	17.514 ug/ml
10) T n-Eicosane (C20)	12.896	2549635	17.631 ug/ml
11) T n-Heneicosane (C21)	13.507	2501124	17.637 ug/ml
13) T n-Docosane (C22)	14.094	2511999	17.880 ug/ml
14) T n-Tetracosane (C24)	15.195	2567677	18.321 ug/ml
15) T n-Hexacosane (C26)	16.215	2595785	18.512 ug/mlm
16) T n-Octacosane (C28)	17.164	2764976	19.754 ug/ml
17) T n-Tricontane (C30)	18.052	3242674	22.230 ug/ml
18) T n-Dotriacontane (C32)	18.883	3479446	23.664 ug/ml
19) T n-Tetratriacontane (C34)	19.666	3352344	22.950 ug/ml
20) T n-Hexatriacontane (C36)	20.405	3077604	21.349 ug/ml
21) T n-Octatriacontane (C38)	21.136	3042656	20.326 ug/ml
22) T n-Tetracontane (C40)	22.040	3153918	20.900 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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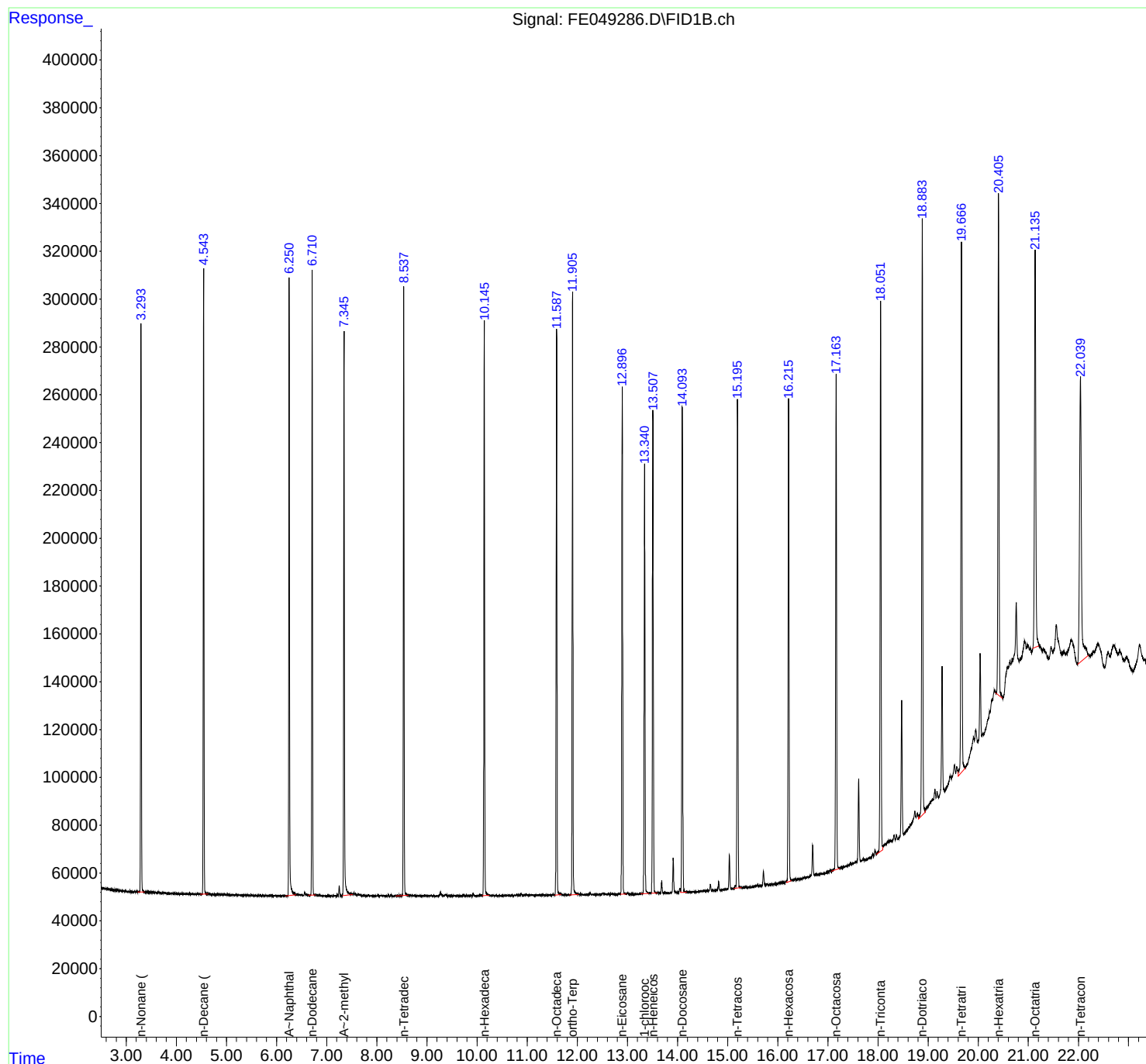
Instrument :
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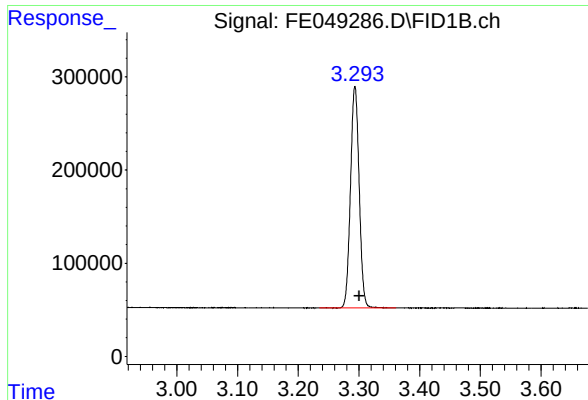
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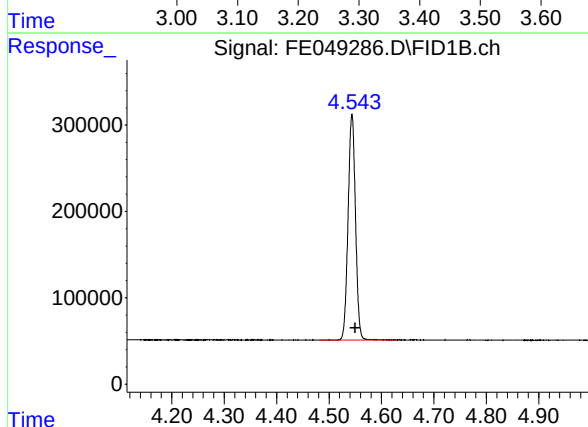
#1 n-Nonane (C9)

R.T.: 3.294 min
Delta R.T.: -0.007 min
Response: 2359754
Conc: 15.69 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

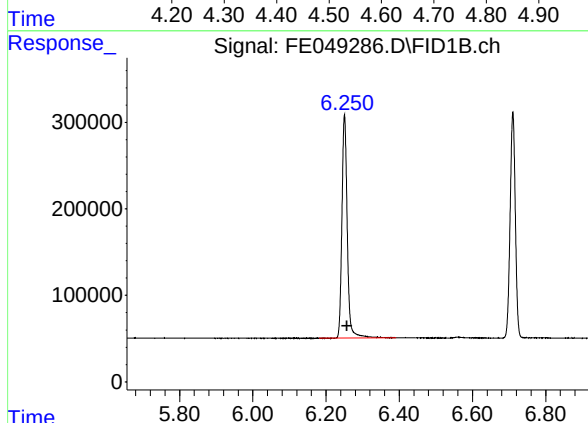
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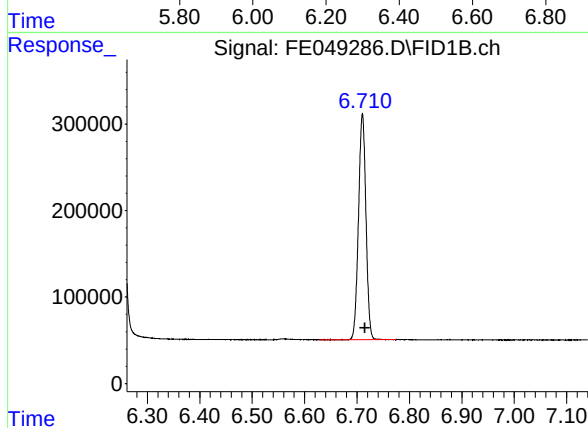
#2 n-Decane (C10)

R.T.: 4.544 min
Delta R.T.: -0.006 min
Response: 2566442
Conc: 16.62 ug/ml



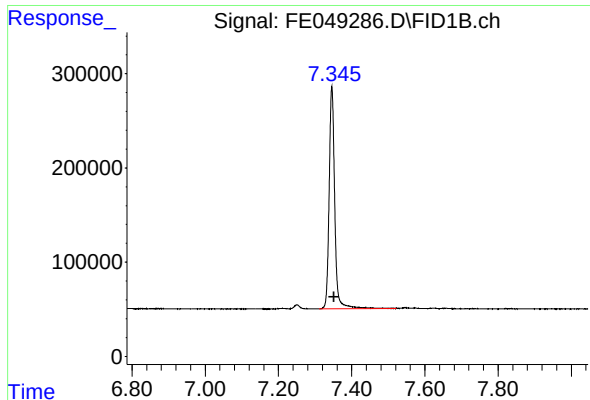
#3 A~Naphthalene (C11.7)

R.T.: 6.251 min
Delta R.T.: -0.006 min
Response: 2619991
Conc: 16.82 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.710 min
Delta R.T.: -0.005 min
Response: 2576383
Conc: 16.73 ug/ml



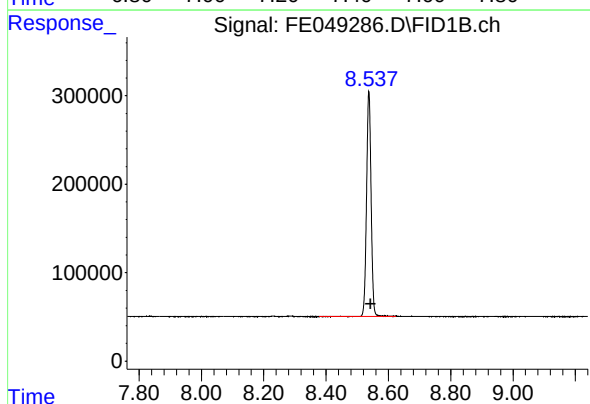
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.346 min
Delta R.T.: -0.007 min
Response: 2492473
Conc: 17.13 ug/ml

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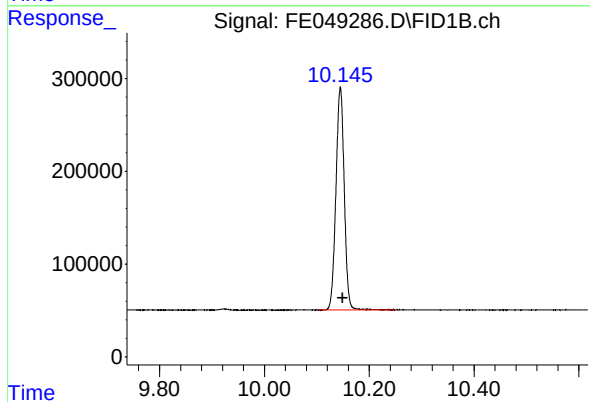
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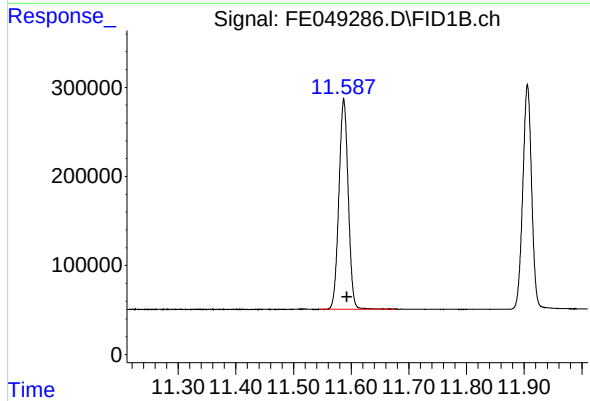
#6 n-Tetradecane (C14)

R.T.: 8.538 min
Delta R.T.: -0.006 min
Response: 2569616
Conc: 16.93 ug/ml



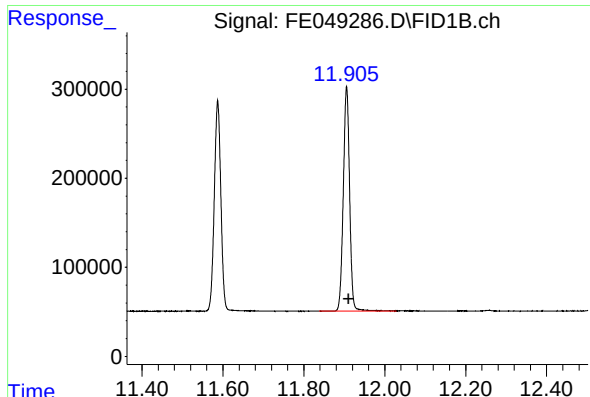
#7 n-Hexadecane (C16)

R.T.: 10.145 min
Delta R.T.: -0.005 min
Response: 2644848
Conc: 17.44 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.587 min
Delta R.T.: -0.006 min
Response: 2659156
Conc: 17.51 ug/ml



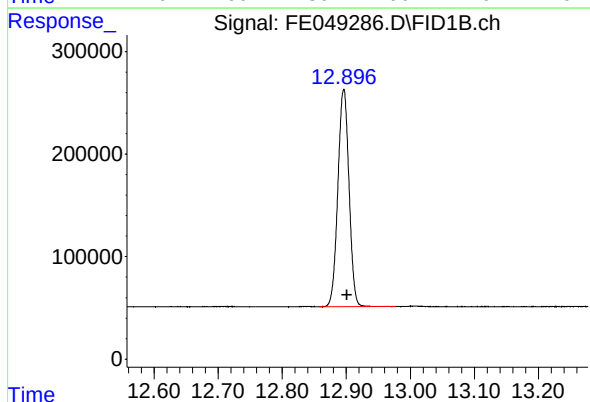
#9 ortho-Terphenyl (SURR)

R.T.: 11.906 min
Delta R.T.: -0.005 min
Response: 2718528
Conc: 17.53 ug/ml

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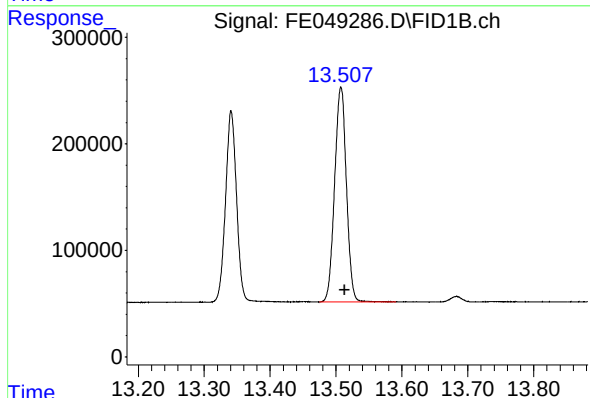
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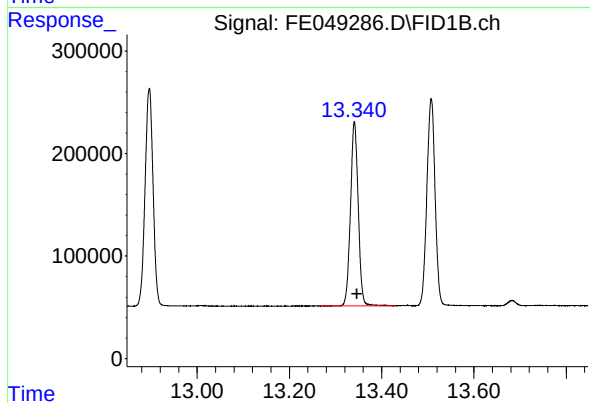
#10 n-Eicosane (C20)

R.T.: 12.896 min
Delta R.T.: -0.005 min
Response: 2549635
Conc: 17.63 ug/ml



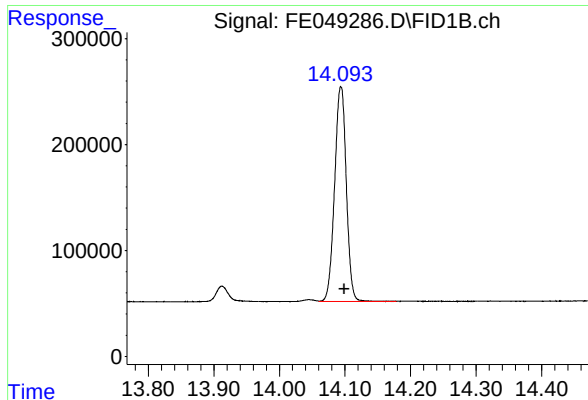
#11 n-Heneicosane (C21)

R.T.: 13.507 min
Delta R.T.: -0.006 min
Response: 2501124
Conc: 17.64 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.341 min
Delta R.T.: -0.005 min
Response: 2091525
Conc: 17.90 ug/ml



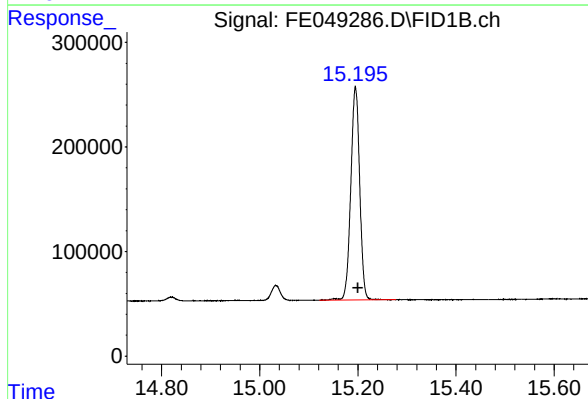
#13 n-Docosane (C22)

R.T.: 14.094 min
Delta R.T.: -0.005 min
Response: 2511999
Conc: 17.88 ug/ml

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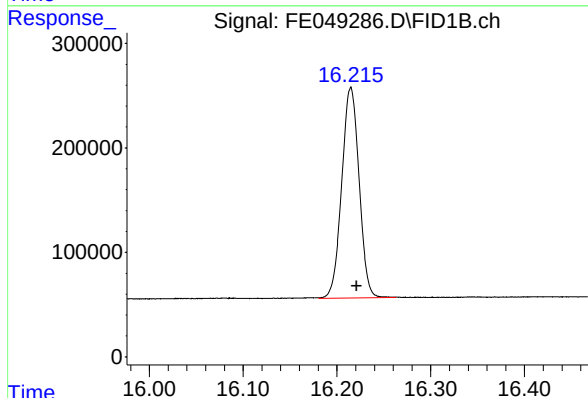
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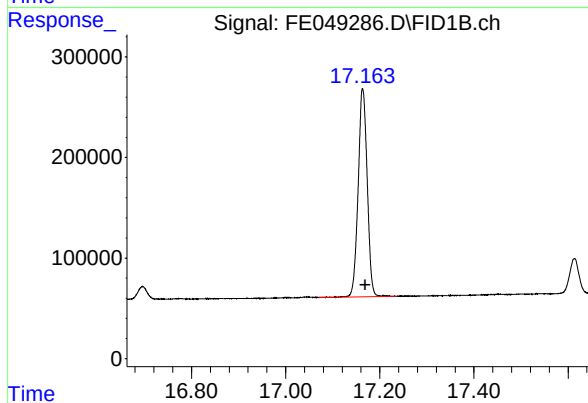
#14 n-Tetracosane (C24)

R.T.: 15.195 min
Delta R.T.: -0.005 min
Response: 2567677
Conc: 18.32 ug/ml



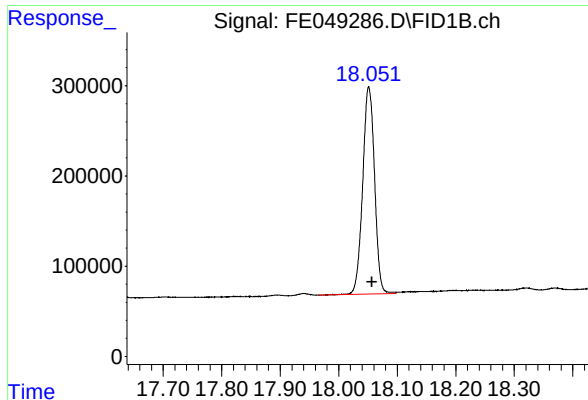
#15 n-Hexacosane (C26)

R.T.: 16.215 min
Delta R.T.: -0.006 min
Response: 2595785
Conc: 18.51 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.164 min
Delta R.T.: -0.006 min
Response: 2764976
Conc: 19.75 ug/ml



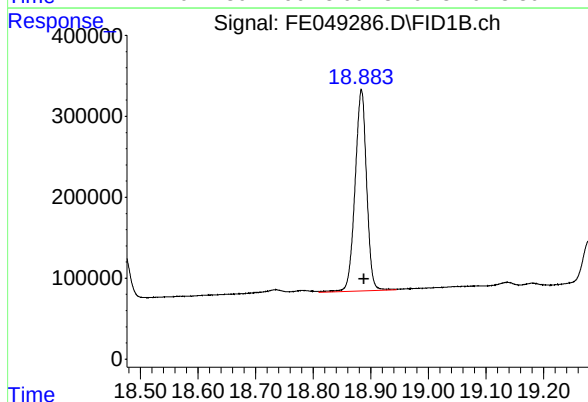
#17 n-Tricontane (C30)

R.T.: 18.052 min
Delta R.T.: -0.005 min
Response: 3242674
Conc: 22.23 ug/ml

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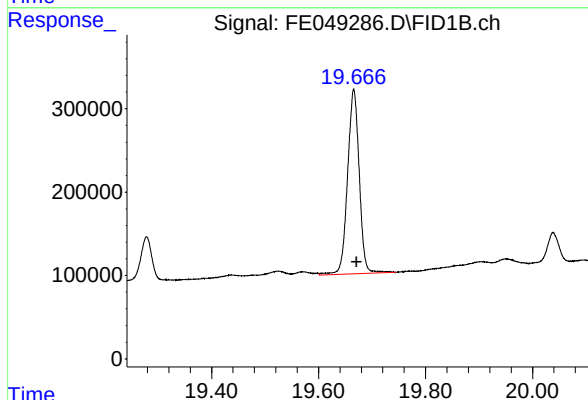
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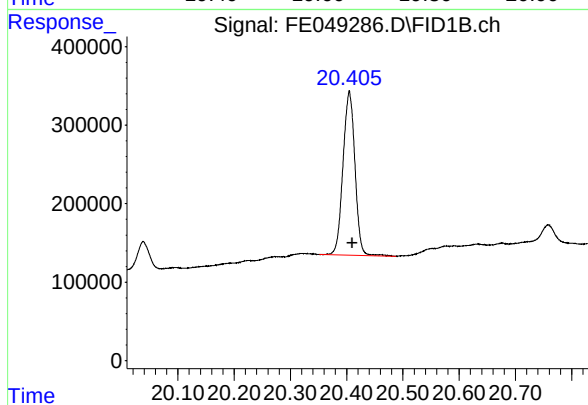
#18 n-Dotriacontane (C32)

R.T.: 18.883 min
Delta R.T.: -0.005 min
Response: 3479446
Conc: 23.66 ug/ml



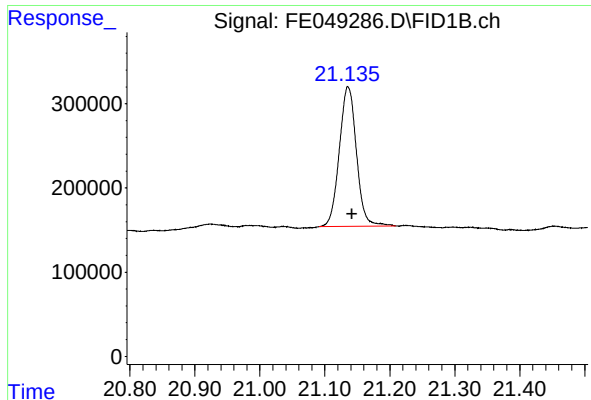
#19 n-Tetratriacontane (C34)

R.T.: 19.666 min
Delta R.T.: -0.005 min
Response: 3352344
Conc: 22.95 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.405 min
Delta R.T.: -0.006 min
Response: 3077604
Conc: 21.35 ug/ml



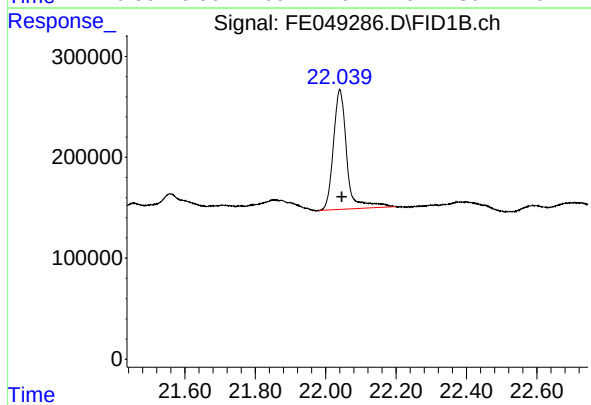
#21 n-Octatriacontane (C38)

R.T.: 21.136 min
Delta R.T.: -0.006 min
Response: 3042656
Conc: 20.33 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.040 min
Delta R.T.: -0.007 min
Response: 3153918
Conc: 20.90 ug/ml