

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041023AL\
 Data File : FE041276.D
 Signal(s) : FID1B.ch
 Acq On : 10 Apr 2023 15:38
 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 04/11/2023
 Supervised By :Ankita Jodhani 04/11/2023

Integration File: autoint1.e
 Quant Time: Apr 10 16:23:46 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)	11.836	3097862	16.483 ug/ml
Spiked Amount 50.000		Recovery =	32.97%
12) S 1-chlorooctadecane (S...	13.275	2377090	16.521 ug/ml
Spiked Amount 50.000		Recovery =	33.04%
Target Compounds			
1) T n-Nonane (C9)	3.236	2681541	15.454 ug/ml
2) T n-Decane (C10)	4.484	2725124	16.010 ug/ml
3) T A~Naphthalene (C11.7)	6.187	2918088	15.954 ug/ml
4) T n-Dodecane (C12)	6.648	2799331	16.138 ug/ml
5) T A~2-methylnaphthalene...	7.282	2721870	16.435 ug/ml
6) T n-Tetradecane (C14)	8.474	2820693	16.177 ug/ml
7) T n-Hexadecane (C16)	10.080	2913409	16.381 ug/ml
8) T n-Octadecane (C18)	11.522	2955802	16.554 ug/ml
10) T n-Eicosane (C20)	12.830	2873716	16.847 ug/ml
11) T n-Heneicosane (C21)	13.442	2849037	16.840 ug/ml
13) T n-Docosane (C22)	14.028	2840199	17.163 ug/ml
14) T n-Tetracosane (C24)	15.132	2876684	17.781 ug/ml
15) T n-Hexacosane (C26)	16.154	2810576	18.131 ug/ml
16) T n-Octacosane (C28)	17.103	2895627	18.903 ug/ml
17) T n-Tricontane (C30)	17.993	3009344	19.688 ug/ml
18) T n-Dotriacontane (C32)	18.826	3099699	19.854 ug/mlm
19) T n-Tetratriacontane (C34)	19.612	2966790	19.144 ug/mlm
20) T n-Hexatriacontane (C36)	20.353	2770542	18.239 ug/ml
21) T n-Octatriacontane (C38)	21.076	2749965	17.603 ug/mlm
22) T n-Tetracontane (C40)	21.953	2763068	17.312 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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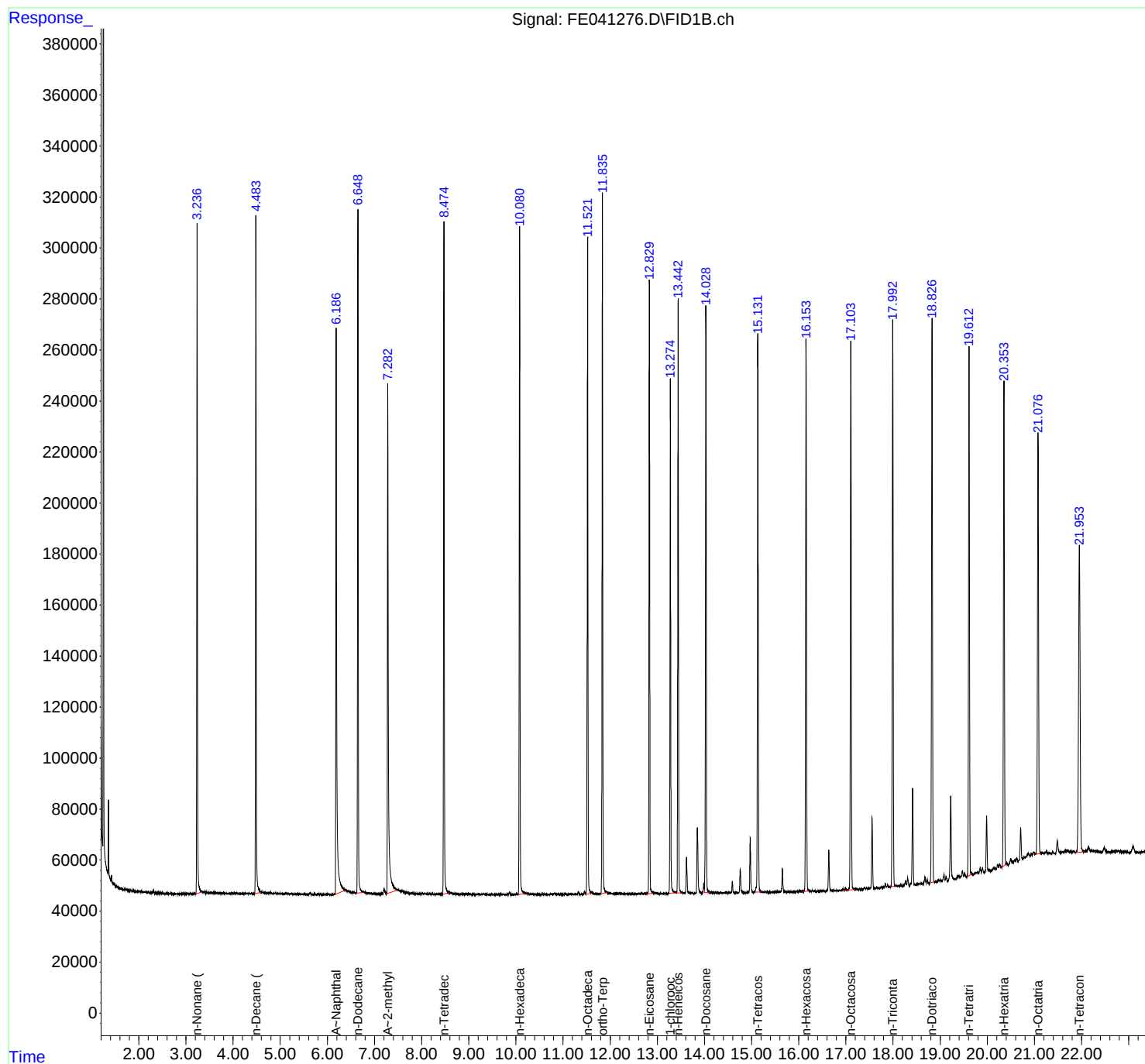
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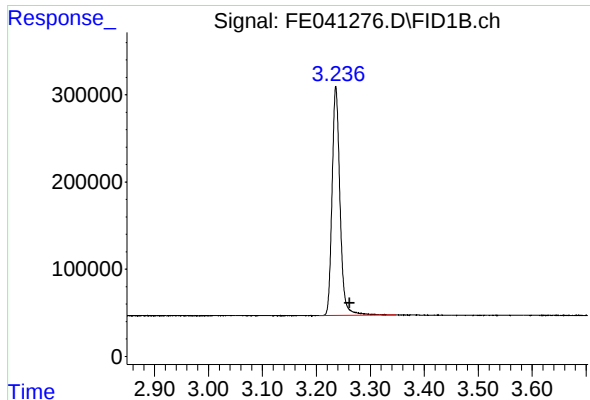
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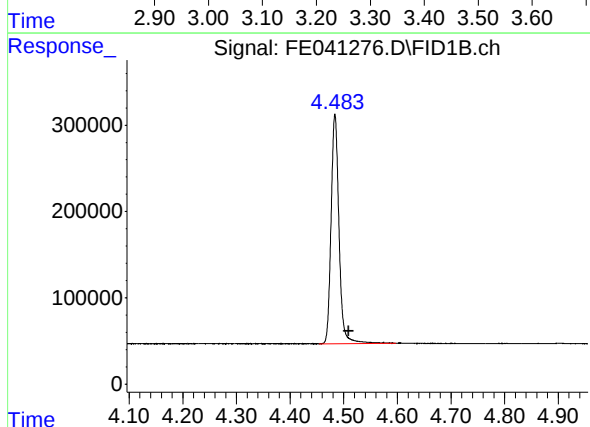
#1 n-Nonane (C9)

R.T.: 3.236 min
Delta R.T.: -0.026 min
Response: 2681541
Conc: 15.45 ug/ml

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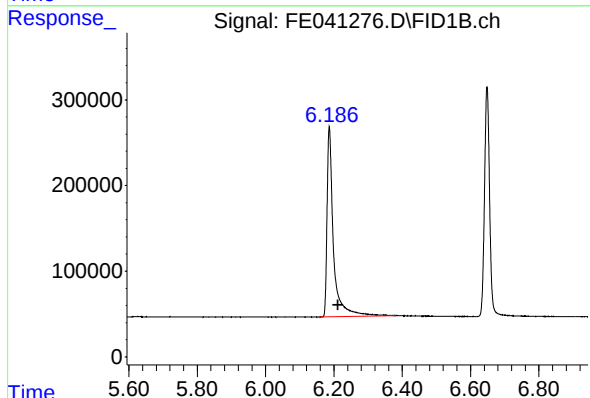
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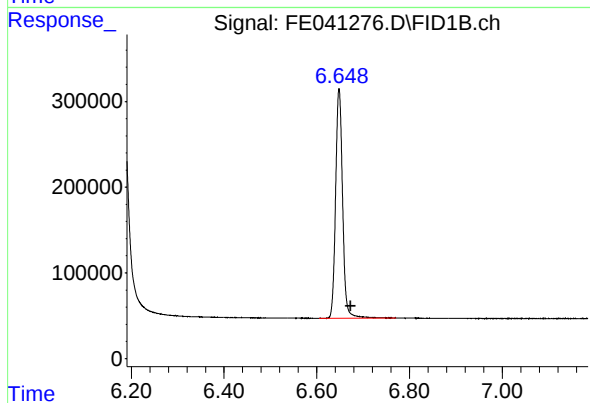
#2 n-Decane (C10)

R.T.: 4.484 min
Delta R.T.: -0.025 min
Response: 2725124
Conc: 16.01 ug/ml



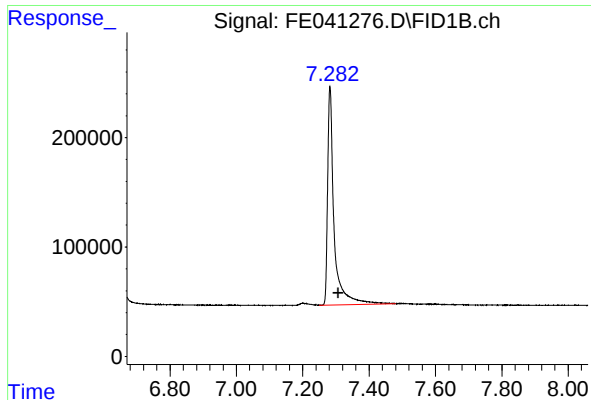
#3 A~Naphthalene (C11.7)

R.T.: 6.187 min
Delta R.T.: -0.025 min
Response: 2918088
Conc: 15.95 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.648 min
Delta R.T.: -0.025 min
Response: 2799331
Conc: 16.14 ug/ml



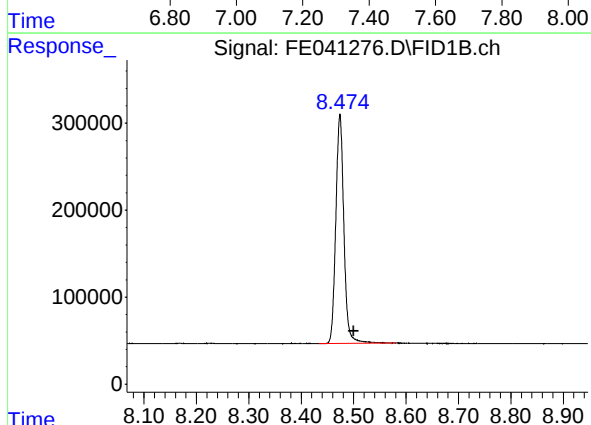
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.282 min
Delta R.T.: -0.025 min
Response: 2721870
Conc: 16.44 ug/ml

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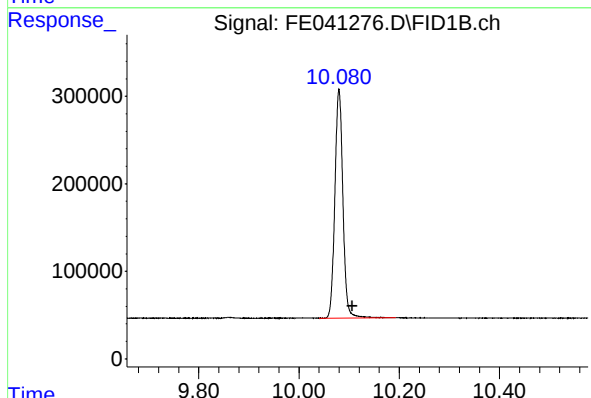
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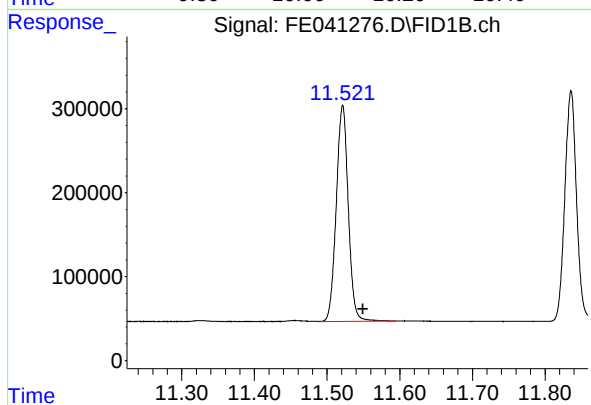
#6 n-Tetradecane (C14)

R.T.: 8.474 min
Delta R.T.: -0.026 min
Response: 2820693
Conc: 16.18 ug/ml



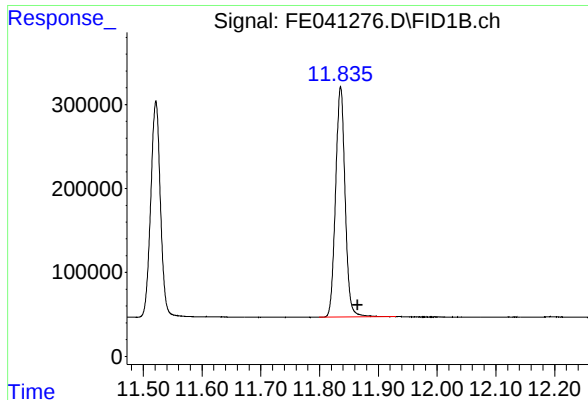
#7 n-Hexadecane (C16)

R.T.: 10.080 min
Delta R.T.: -0.027 min
Response: 2913409
Conc: 16.38 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.522 min
Delta R.T.: -0.028 min
Response: 2955802
Conc: 16.55 ug/ml



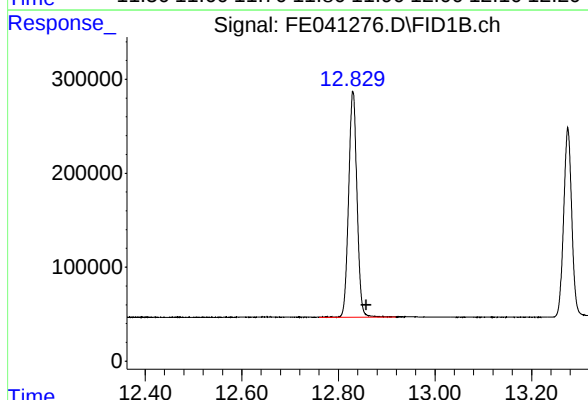
#9 ortho-Terphenyl (SURR)

R.T.: 11.836 min
Delta R.T.: -0.029 min
Response: 3097862
Conc: 16.48 ug/ml

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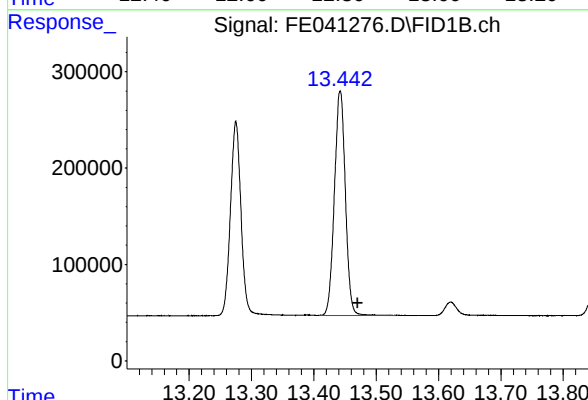
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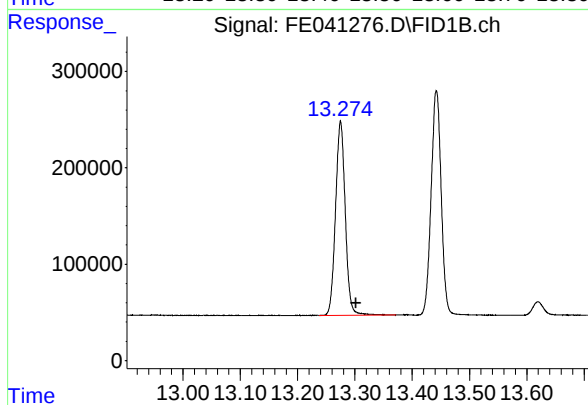
#10 n-Eicosane (C20)

R.T.: 12.830 min
Delta R.T.: -0.028 min
Response: 2873716
Conc: 16.85 ug/ml



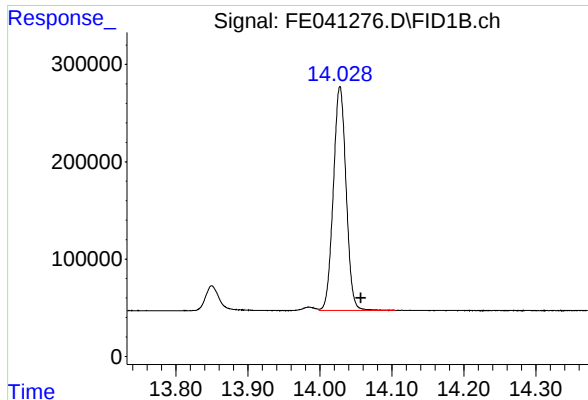
#11 n-Heneicosane (C21)

R.T.: 13.442 min
Delta R.T.: -0.028 min
Response: 2849037
Conc: 16.84 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.275 min
Delta R.T.: -0.027 min
Response: 2377090
Conc: 16.52 ug/ml



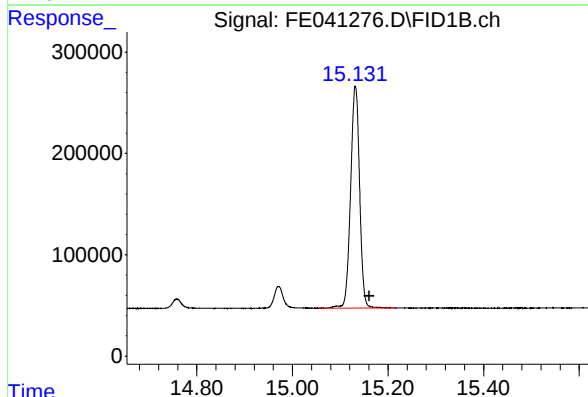
#13 n-Docosane (C22)

R.T.: 14.028 min
Delta R.T.: -0.029 min
Response: 2840199
Conc: 17.16 ug/ml

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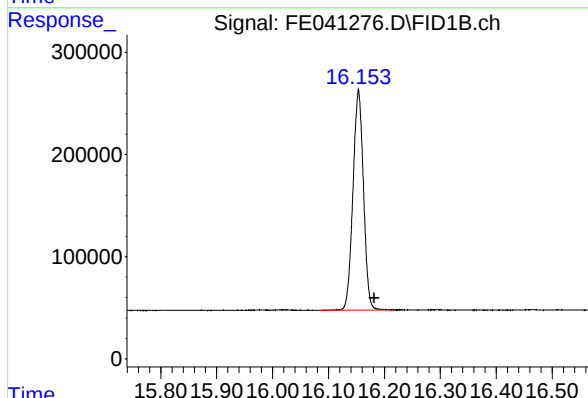
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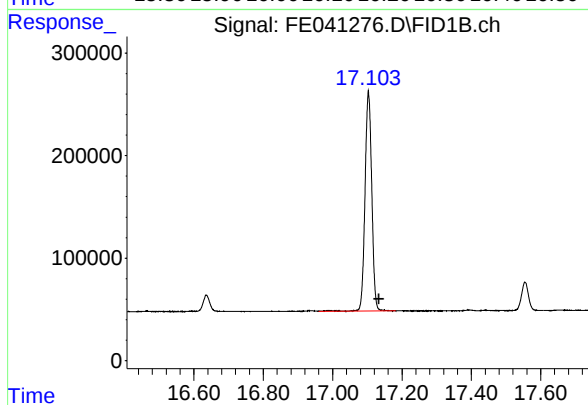
#14 n-Tetracosane (C24)

R.T.: 15.132 min
Delta R.T.: -0.029 min
Response: 2876684
Conc: 17.78 ug/ml



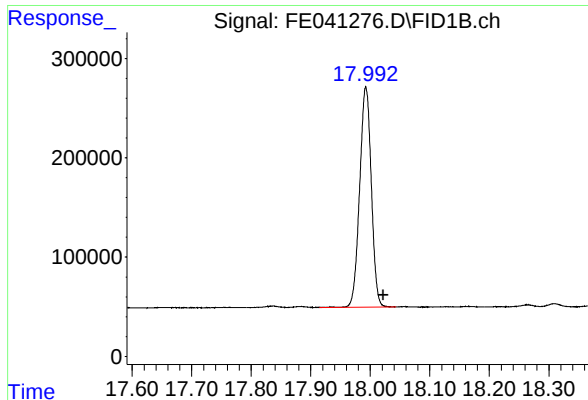
#15 n-Hexacosane (C26)

R.T.: 16.154 min
Delta R.T.: -0.028 min
Response: 2810576
Conc: 18.13 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.103 min
Delta R.T.: -0.030 min
Response: 2895627
Conc: 18.90 ug/ml



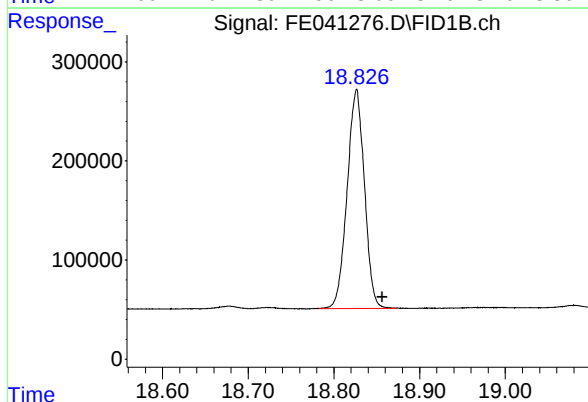
#17 n-Tricontane (C30)

R.T.: 17.993 min
Delta R.T.: -0.030 min
Response: 3009344
Conc: 19.69 ug/ml

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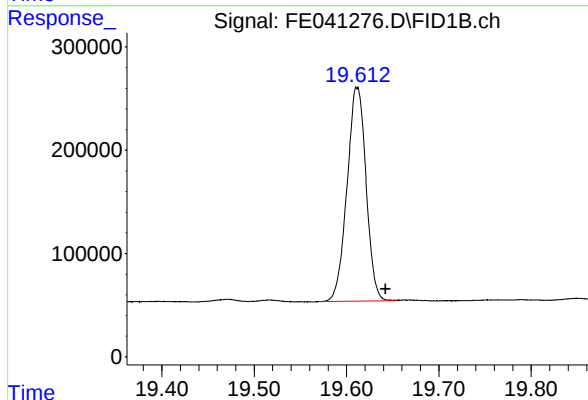
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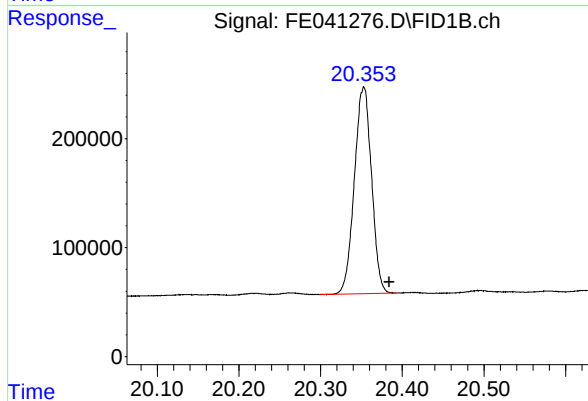
#18 n-Dotriacontane (C32)

R.T.: 18.826 min
Delta R.T.: -0.030 min
Response: 3099699
Conc: 19.85 ug/ml m



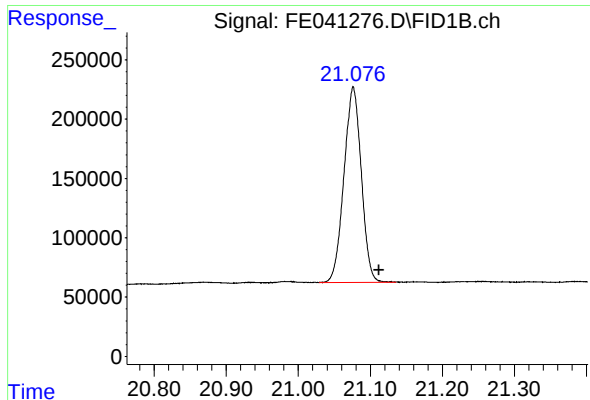
#19 n-Tetratriacontane (C34)

R.T.: 19.612 min
Delta R.T.: -0.030 min
Response: 2966790
Conc: 19.14 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.353 min
Delta R.T.: -0.031 min
Response: 2770542
Conc: 18.24 ug/ml



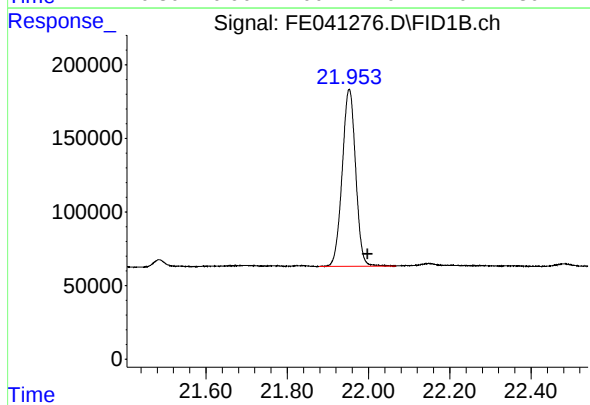
#21 n-Octatriacontane (C38)

R.T.: 21.076 min
Delta R.T.: -0.036 min
Response: 2749965
Conc: 17.60 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.953 min
Delta R.T.: -0.045 min
Response: 2763068
Conc: 17.31 ug/ml