

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081324AL\
 Data File : FE049583.D
 Signal(s) : FID1B.ch
 Acq On : 13 Aug 2024 11:12
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/14/2024
 Supervised By :Ankita Jodhani 08/14/2024

Integration File: autoint1.e
 Quant Time: Aug 14 01:04:42 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)	11.888	2924024	18.852 ug/ml
Spiked Amount 50.000		Recovery =	37.70%
12) S 1-chlorooctadecane (S...	13.323	2226769	19.059 ug/ml
Spiked Amount 50.000		Recovery =	38.12%
Target Compounds			
1) T n-Nonane (C9)	3.278	2643226	17.576 ug/ml
2) T n-Decane (C10)	4.528	2778449	17.989 ug/ml
3) T A~Naphthalene (C11.7)	6.234	2847198	18.274 ug/ml
4) T n-Dodecane (C12)	6.695	2785029	18.087 ug/ml
5) T A~2-methylnaphthalene...	7.330	2670793	18.352 ug/ml
6) T n-Tetradecane (C14)	8.522	2753668	18.143 ug/ml
7) T n-Hexadecane (C16)	10.128	2811722	18.540 ug/ml
8) T n-Octadecane (C18)	11.570	2848610	18.762 ug/ml
10) T n-Eicosane (C20)	12.878	2712381	18.757 ug/ml
11) T n-Heneicosane (C21)	13.489	2666776	18.806 ug/ml
13) T n-Docosane (C22)	14.074	2649674	18.860 ug/ml
14) T n-Tetracosane (C24)	15.176	2664318	19.010 ug/ml
15) T n-Hexacosane (C26)	16.196	2645487	18.866 ug/ml
16) T n-Octacosane (C28)	17.144	2739909	19.575 ug/ml
17) T n-Tricontane (C30)	18.031	2995272	20.534 ug/ml
18) T n-Dotriacontane (C32)	18.862	3115792	21.190 ug/ml
19) T n-Tetratriacontane (C34)	19.645	3068926	21.010 ug/ml
20) T n-Hexatriacontane (C36)	20.383	2955258	20.500 ug/mlm
21) T n-Octatriacontane (C38)	21.112	2944721	19.672 ug/ml
22) T n-Tetracontane (C40)	22.008	2803191	18.576 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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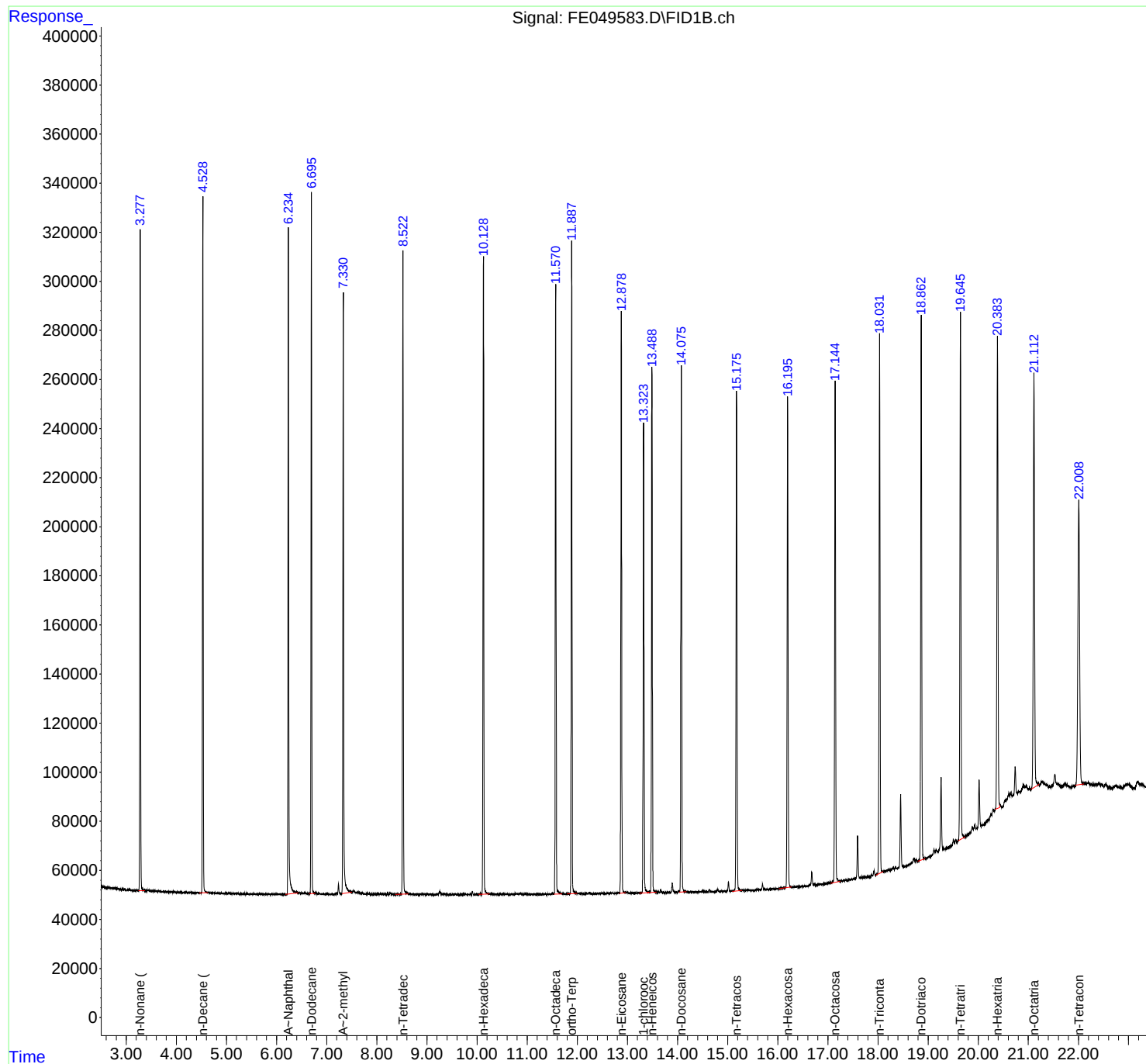
Instrument :
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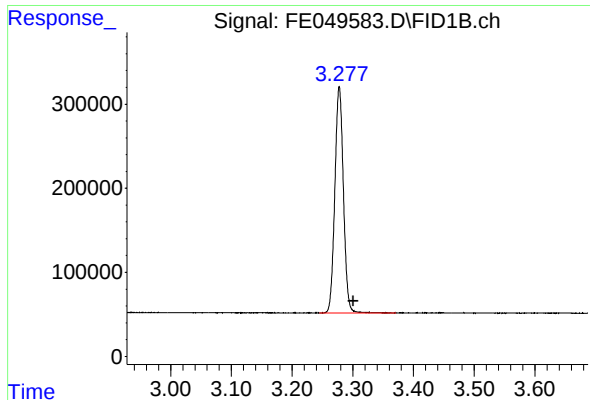
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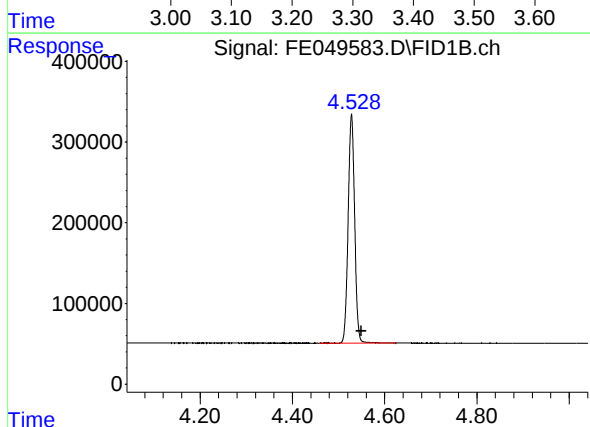
#1 n-Nonane (C9)

R.T.: 3.278 min
Delta R.T.: -0.023 min
Response: 2643226
Conc: 17.58 ug/ml

Instrument :
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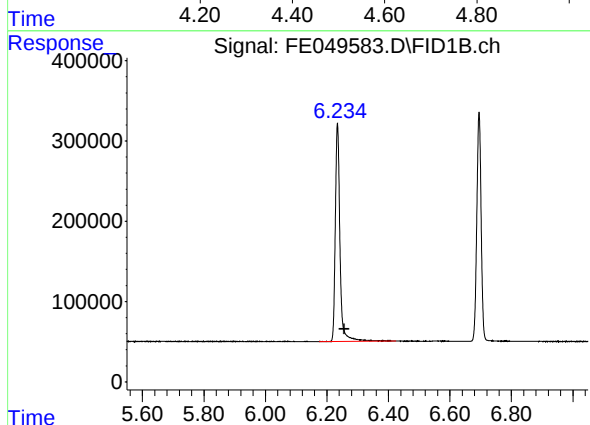
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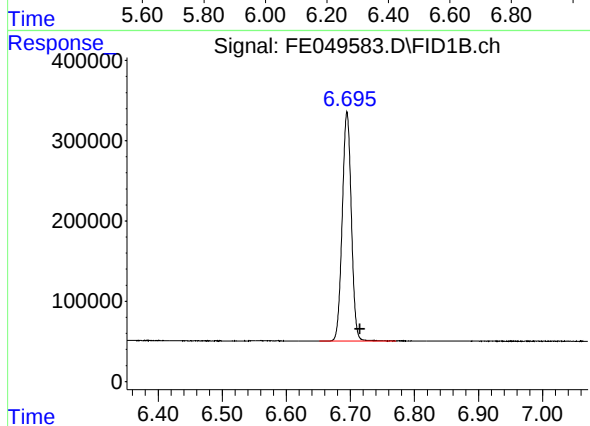
#2 n-Decane (C10)

R.T.: 4.528 min
Delta R.T.: -0.022 min
Response: 2778449
Conc: 17.99 ug/ml



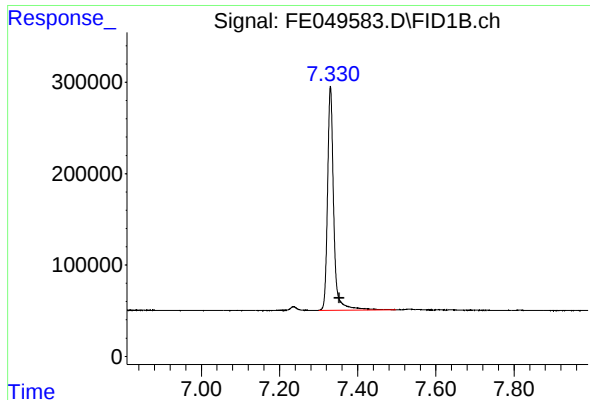
#3 A~Naphthalene (C11.7)

R.T.: 6.234 min
Delta R.T.: -0.022 min
Response: 2847198
Conc: 18.27 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.695 min
Delta R.T.: -0.020 min
Response: 2785029
Conc: 18.09 ug/ml



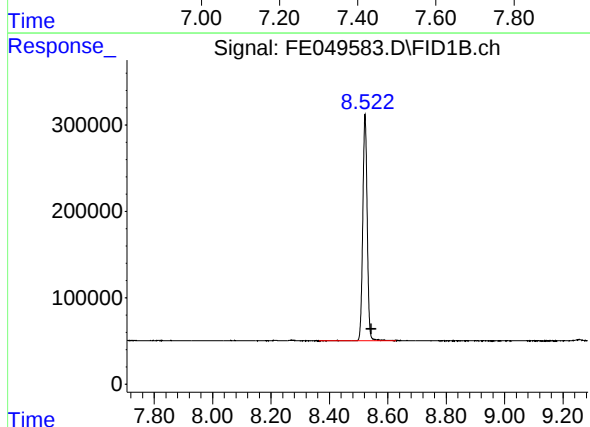
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.330 min
Delta R.T.: -0.022 min
Response: 2670793
Conc: 18.35 ug/ml

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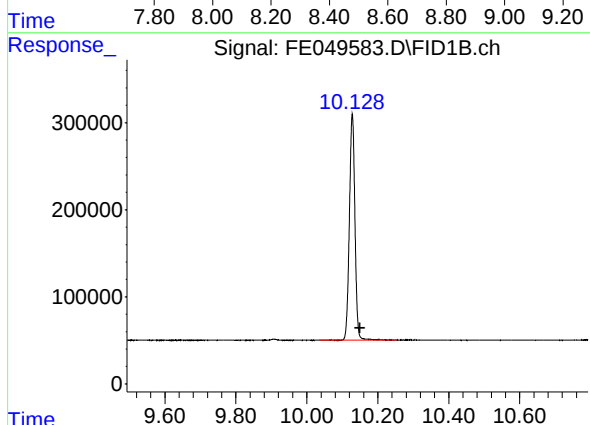
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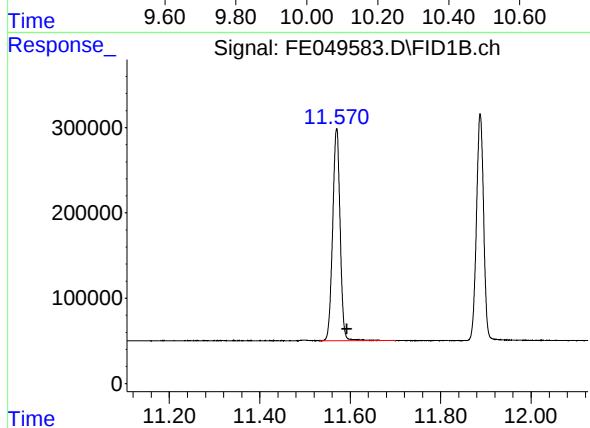
#6 n-Tetradecane (C14)

R.T.: 8.522 min
Delta R.T.: -0.021 min
Response: 2753668
Conc: 18.14 ug/ml



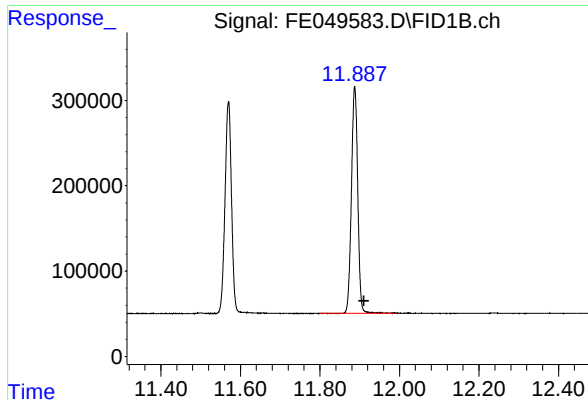
#7 n-Hexadecane (C16)

R.T.: 10.128 min
Delta R.T.: -0.022 min
Response: 2811722
Conc: 18.54 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.570 min
Delta R.T.: -0.023 min
Response: 2848610
Conc: 18.76 ug/ml



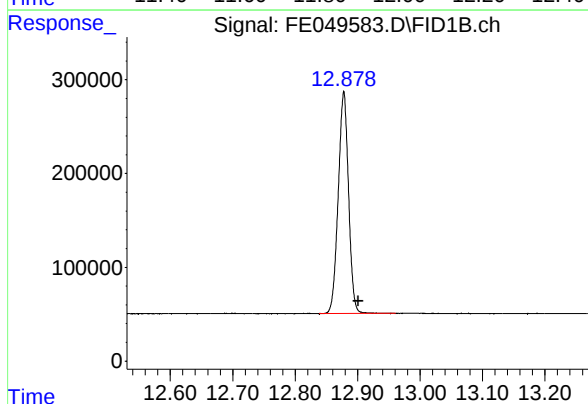
#9 ortho-Terphenyl (SURR)

R.T.: 11.888 min
Delta R.T.: -0.023 min
Response: 2924024
Conc: 18.85 ug/ml

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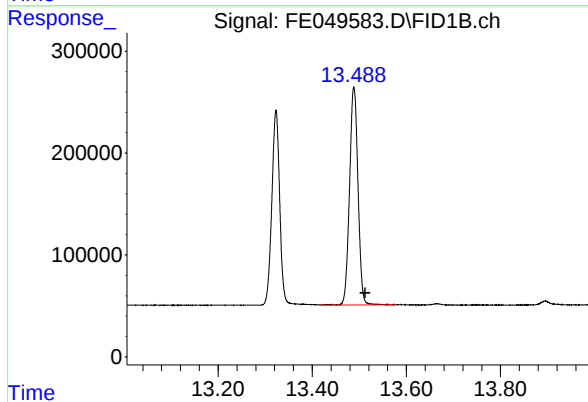
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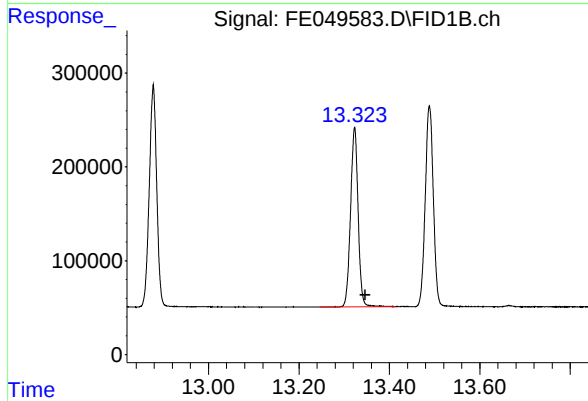
#10 n-Eicosane (C20)

R.T.: 12.878 min
Delta R.T.: -0.023 min
Response: 2712381
Conc: 18.76 ug/ml



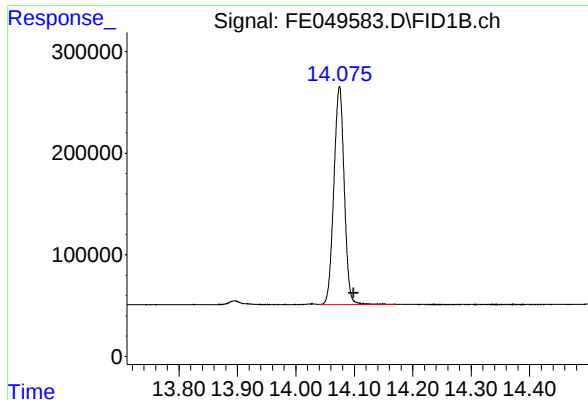
#11 n-Heneicosane (C21)

R.T.: 13.489 min
Delta R.T.: -0.024 min
Response: 2666776
Conc: 18.81 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.323 min
Delta R.T.: -0.023 min
Response: 2226769
Conc: 19.06 ug/ml



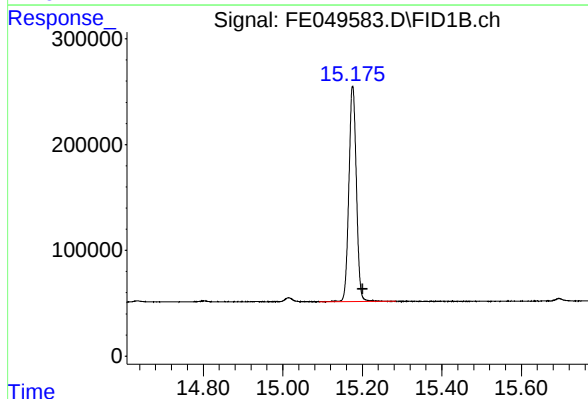
#13 n-Docosane (C22)

R.T.: 14.074 min
Delta R.T.: -0.025 min
Response: 2649674
Conc: 18.86 ug/ml

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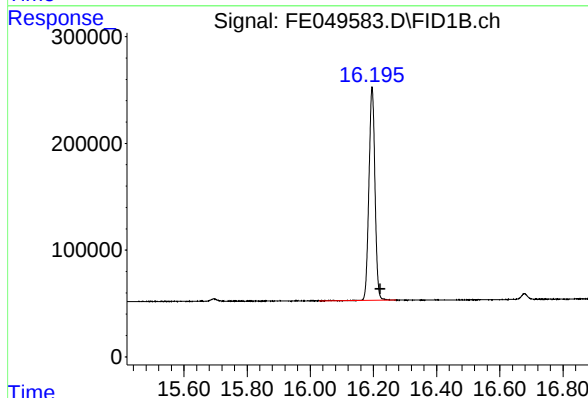
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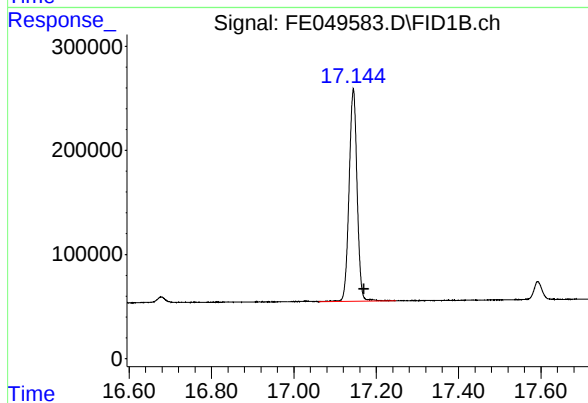
#14 n-Tetracosane (C24)

R.T.: 15.176 min
Delta R.T.: -0.025 min
Response: 2664318
Conc: 19.01 ug/ml



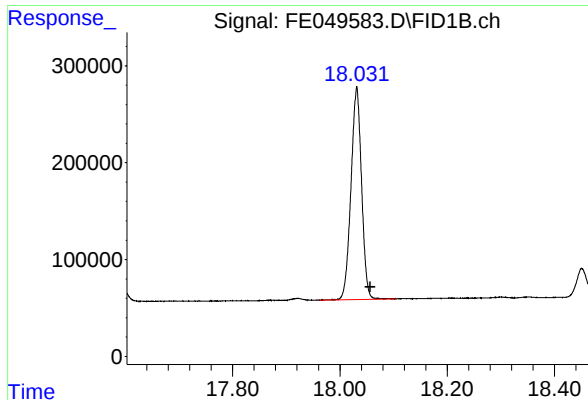
#15 n-Hexacosane (C26)

R.T.: 16.196 min
Delta R.T.: -0.025 min
Response: 2645487
Conc: 18.87 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.144 min
Delta R.T.: -0.026 min
Response: 2739909
Conc: 19.58 ug/ml



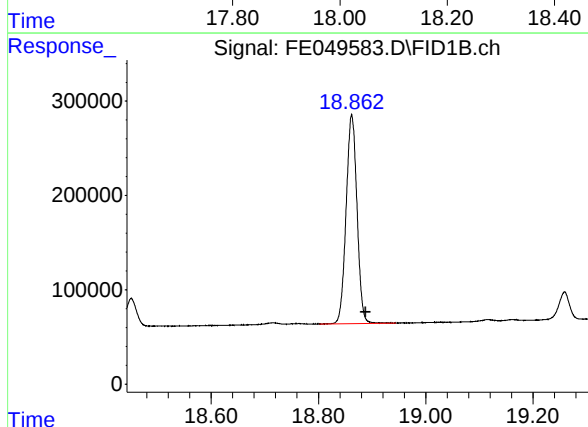
#17 n-Tricontane (C30)

R.T.: 18.031 min
Delta R.T.: -0.025 min
Response: 2995272
Conc: 20.53 ug/ml

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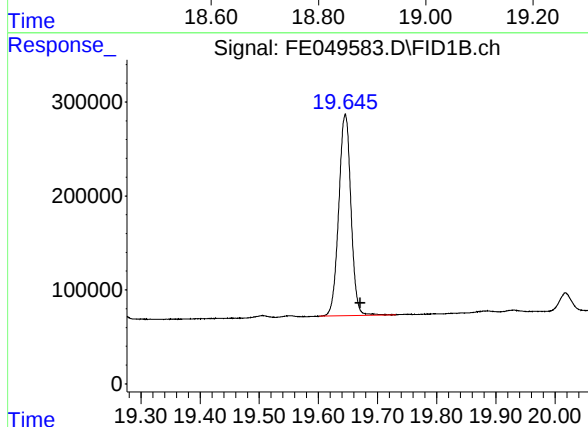
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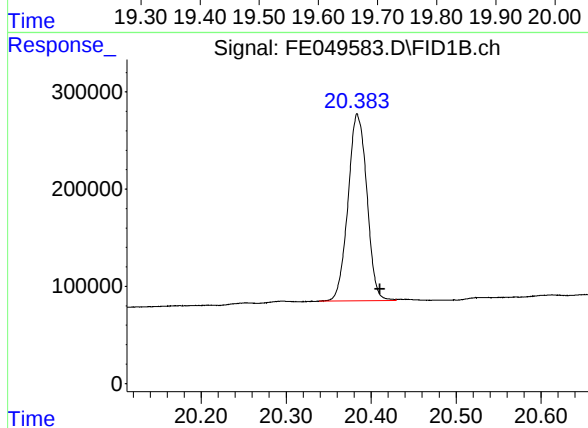
#18 n-Dotriacontane (C32)

R.T.: 18.862 min
Delta R.T.: -0.026 min
Response: 3115792
Conc: 21.19 ug/ml



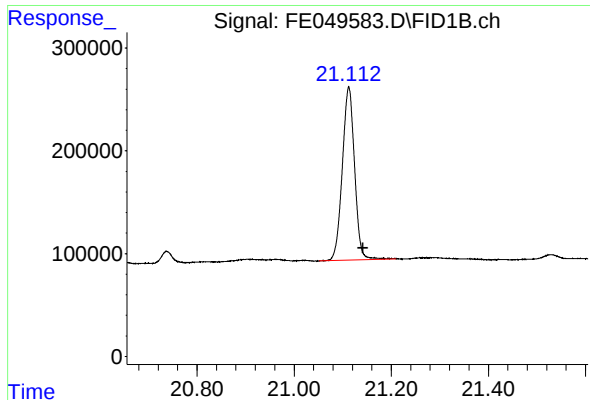
#19 n-Tetratriacontane (C34)

R.T.: 19.645 min
Delta R.T.: -0.026 min
Response: 3068926
Conc: 21.01 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.383 min
Delta R.T.: -0.027 min
Response: 2955258
Conc: 20.50 ug/ml m



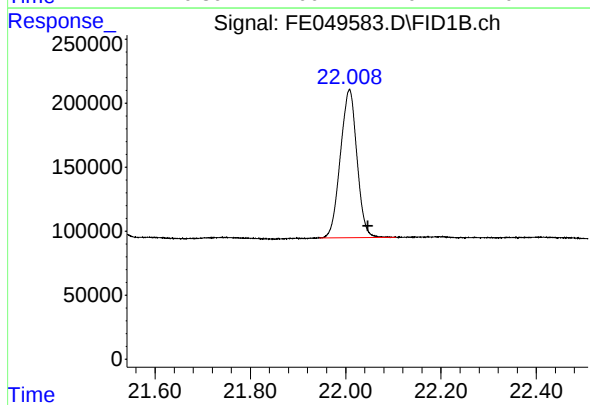
#21 n-Octatriacontane (C38)

R.T.: 21.112 min
Delta R.T.: -0.029 min
Response: 2944721
Conc: 19.67 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.008 min
Delta R.T.: -0.039 min
Response: 2803191
Conc: 18.58 ug/ml m