

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE010523AL\
 Data File : FE039666.D
 Signal(s) : FID1B.ch
 Acq On : 05 Jan 2023 23:38
 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 01/06/2023
 Supervised By :Ankita Jodhani 01/06/2023

Integration File: autoint1.e
 Quant Time: Jan 06 02:48:59 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 121722.M
 Quant Title : GC Extractables
 QLast Update : Sat Dec 17 15:09:52 2022
 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)	11.922	2965721	19.873 ug/ml
Spiked Amount 50.000		Recovery =	39.75%
12) S 1-chlorooctadecane (S...	13.358	2299936	19.982 ug/ml
Spiked Amount 50.000		Recovery =	39.96%
Target Compounds			
1) T n-Nonane (C9)	3.317	2363580	18.286 ug/ml
2) T n-Decane (C10)	4.567	2377242	18.657 ug/ml
3) T A~Naphthalene (C11.7)	6.269	2704194	18.707 ug/ml
4) T n-Dodecane (C12)	6.730	2413640	18.592 ug/ml
5) T A~2-methylnaphthalene...	7.364	2554621	18.863 ug/ml
6) T n-Tetradecane (C14)	8.556	2489933	18.790 ug/ml
7) T n-Hexadecane (C16)	10.162	2625559	19.085 ug/ml
8) T n-Octadecane (C18)	11.605	2736673	19.539 ug/ml
10) T n-Eicosane (C20)	12.913	2697123	19.758 ug/ml
11) T n-Heneicosane (C21)	13.525	2715545	19.910 ug/mlm
13) T n-Docosane (C22)	14.112	2722212	20.124 ug/ml
14) T n-Tetracosane (C24)	15.214	2763927	20.589 ug/ml
15) T n-Hexacosane (C26)	16.233	2716131	20.860 ug/ml
16) T n-Octacosane (C28)	17.184	2796610	21.729 ug/ml
17) T n-Tricontane (C30)	18.070	3034871	23.572 ug/mlm
18) T n-Dotriacontane (C32)	18.906	3119691	24.090 ug/ml
19) T n-Tetratriacontane (C34)	19.689	2868633	22.738 ug/ml
20) T n-Hexatriacontane (C36)	20.429	2589492	21.415 ug/mlm
21) T n-Octatriacontane (C38)	21.165	2473924	20.032 ug/ml
22) T n-Tetracontane (C40)	22.074	2436083	19.398 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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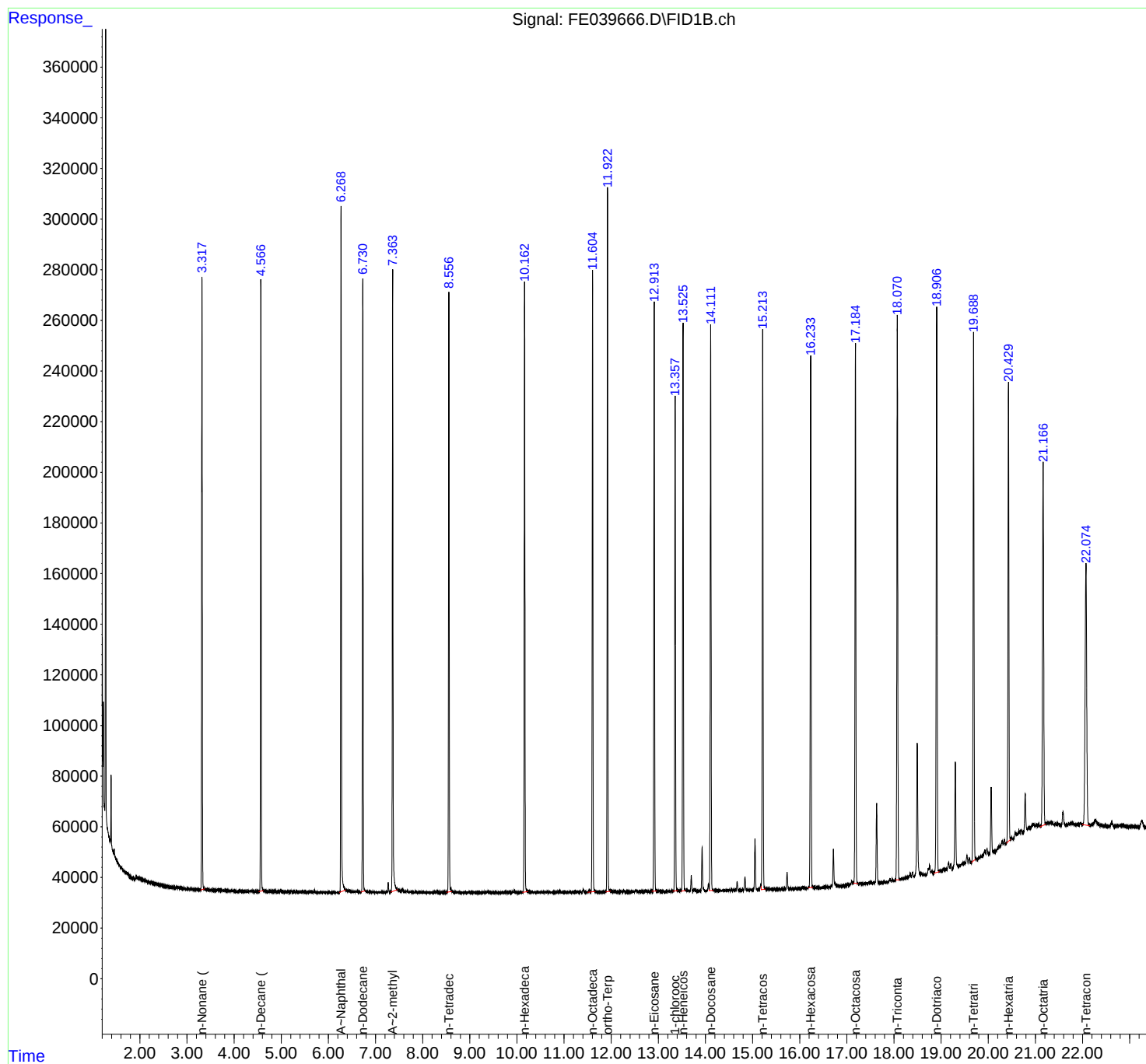
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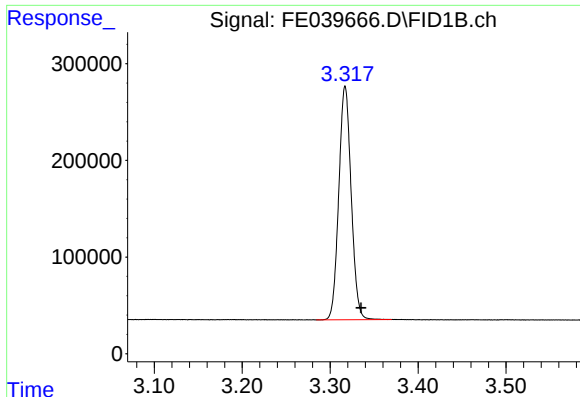
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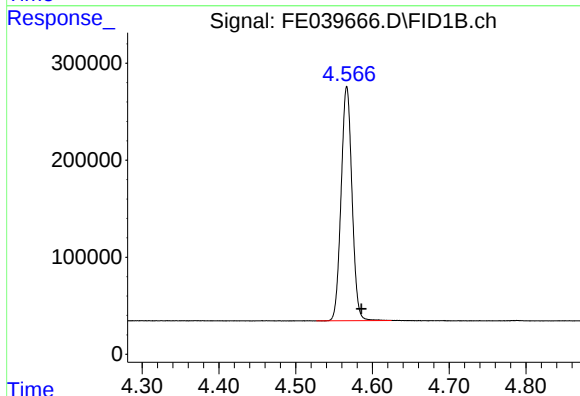
#1 n-Nonane (C9)

R.T.: 3.317 min
Delta R.T.: -0.018 min
Response: 2363580
Conc: 18.29 ug/ml

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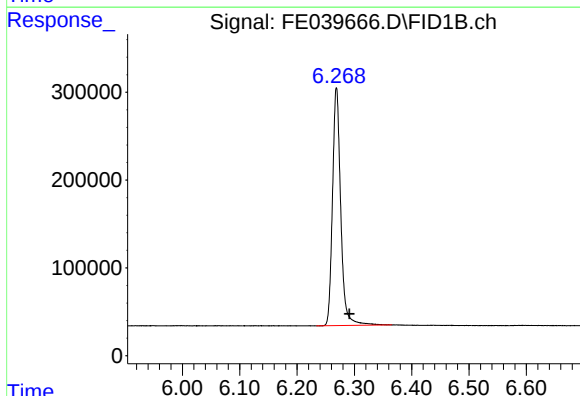
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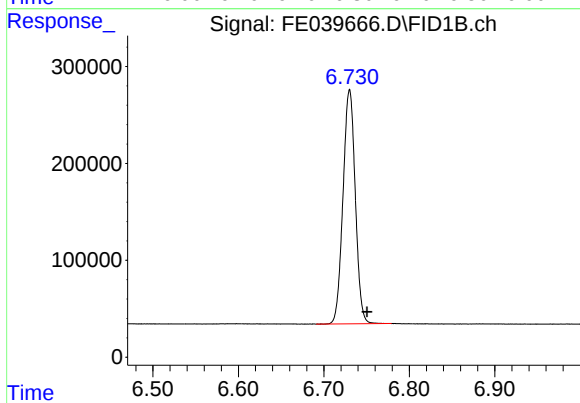
#2 n-Decane (C10)

R.T.: 4.567 min
Delta R.T.: -0.019 min
Response: 2377242
Conc: 18.66 ug/ml



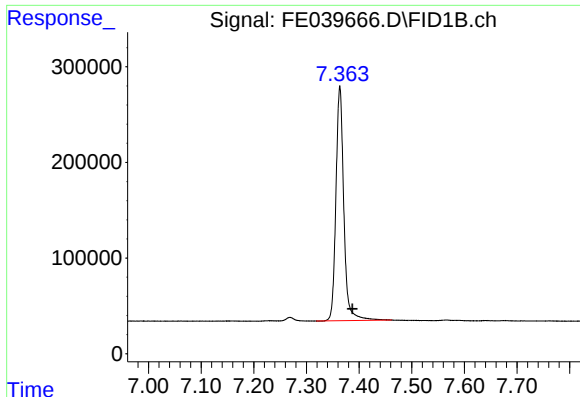
#3 A~Naphthalene (C11.7)

R.T.: 6.269 min
Delta R.T.: -0.022 min
Response: 2704194
Conc: 18.71 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.730 min
Delta R.T.: -0.020 min
Response: 2413640
Conc: 18.59 ug/ml



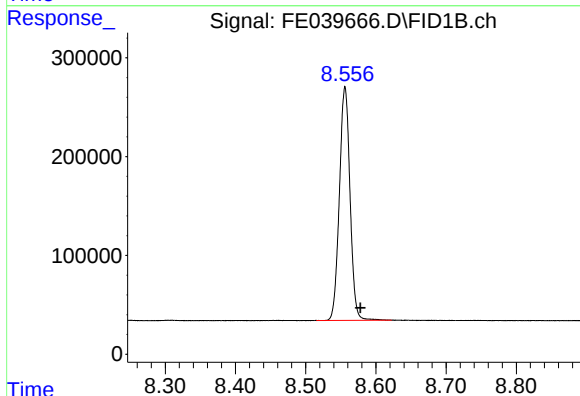
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.364 min
Delta R.T.: -0.024 min
Response: 2554621
Conc: 18.86 ug/ml

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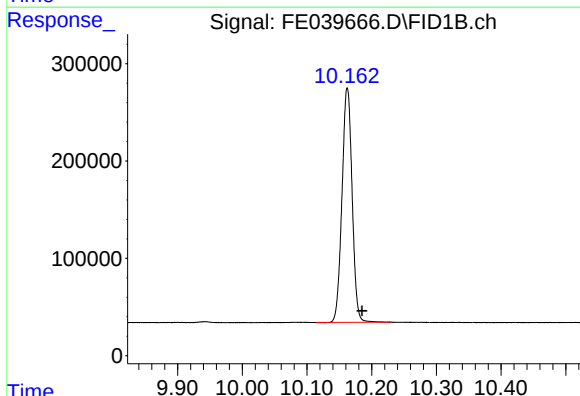
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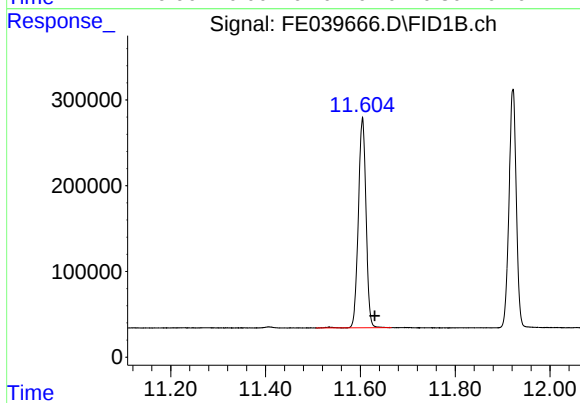
#6 n-Tetradecane (C14)

R.T.: 8.556 min
Delta R.T.: -0.022 min
Response: 2489933
Conc: 18.79 ug/ml



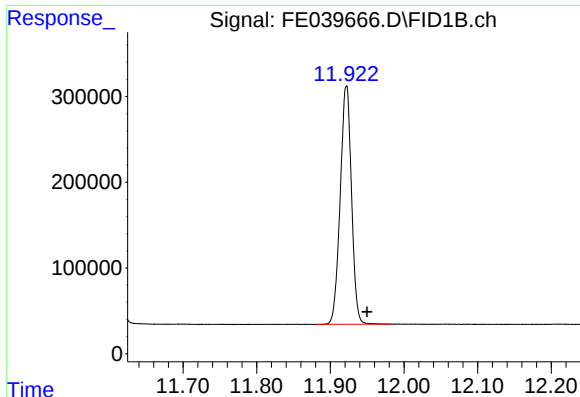
#7 n-Hexadecane (C16)

R.T.: 10.162 min
Delta R.T.: -0.023 min
Response: 2625559
Conc: 19.08 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.605 min
Delta R.T.: -0.026 min
Response: 2736673
Conc: 19.54 ug/ml



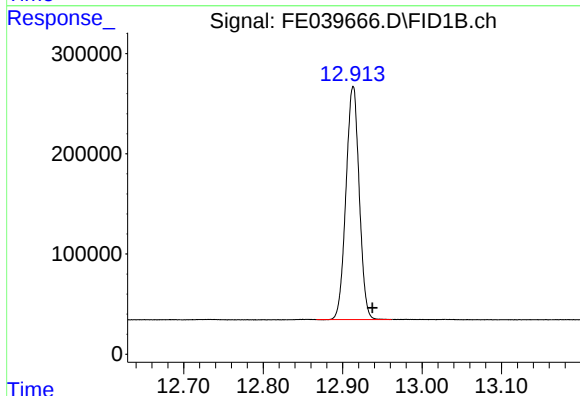
#9 ortho-Terphenyl (SURR)

R.T.: 11.922 min
Delta R.T.: -0.028 min
Response: 2965721
Conc: 19.87 ug/ml

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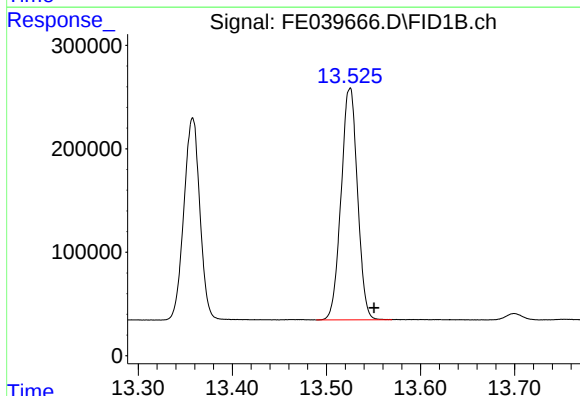
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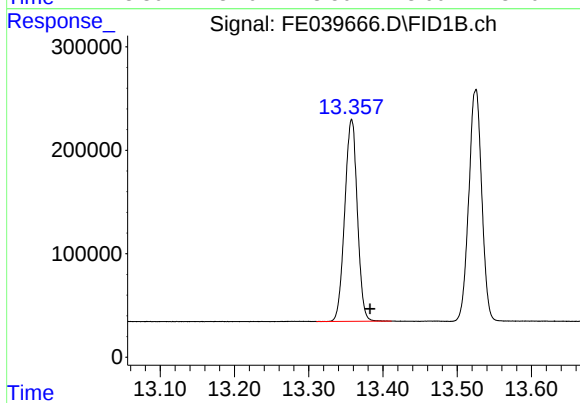
#10 n-Eicosane (C20)

R.T.: 12.913 min
Delta R.T.: -0.024 min
Response: 2697123
Conc: 19.76 ug/ml



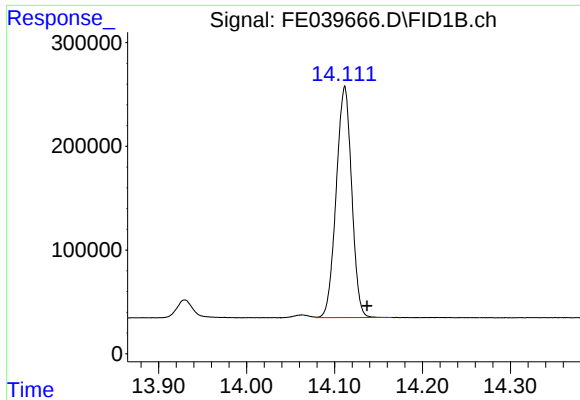
#11 n-Heneicosane (C21)

R.T.: 13.525 min
Delta R.T.: -0.026 min
Response: 2715545
Conc: 19.91 ug/ml m



#12 1-chlorooctadecane (SURR)

R.T.: 13.358 min
Delta R.T.: -0.025 min
Response: 2299936
Conc: 19.98 ug/ml



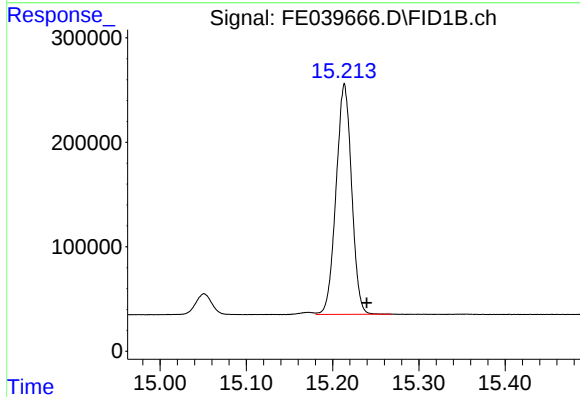
#13 n-Docosane (C22)

R.T.: 14.112 min
Delta R.T.: -0.025 min
Response: 2722212
Conc: 20.12 ug/ml

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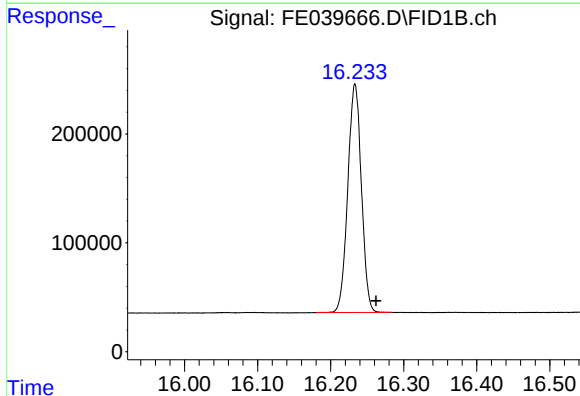
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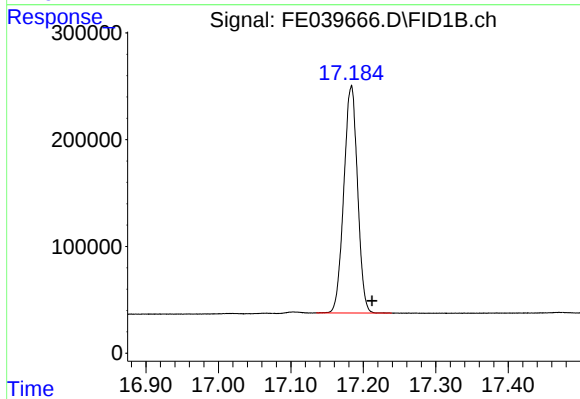
#14 n-Tetracosane (C24)

R.T.: 15.214 min
Delta R.T.: -0.026 min
Response: 2763927
Conc: 20.59 ug/ml



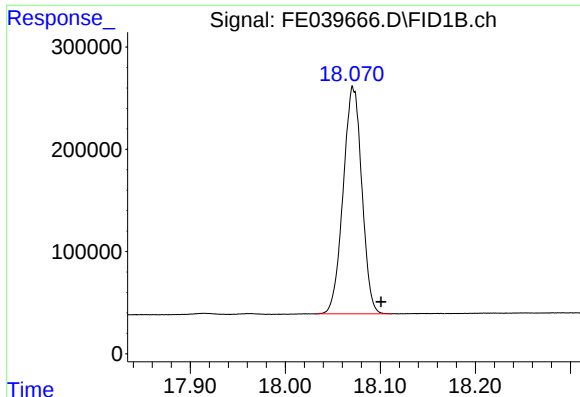
#15 n-Hexacosane (C26)

R.T.: 16.233 min
Delta R.T.: -0.029 min
Response: 2716131
Conc: 20.86 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.184 min
Delta R.T.: -0.029 min
Response: 2796610
Conc: 21.73 ug/ml



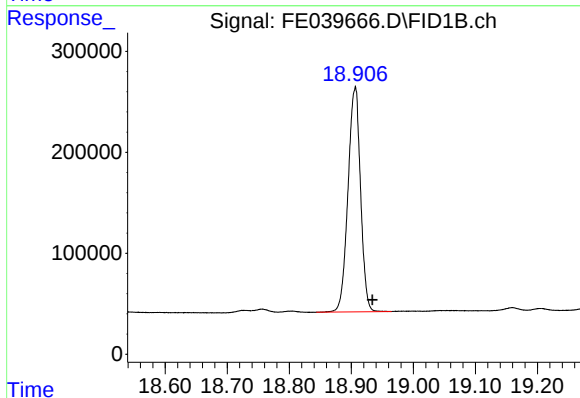
#17 n-Tricontane (C30)

R.T.: 18.070 min
Delta R.T.: -0.031 min
Response: 3034871
Conc: 23.57 ug/ml

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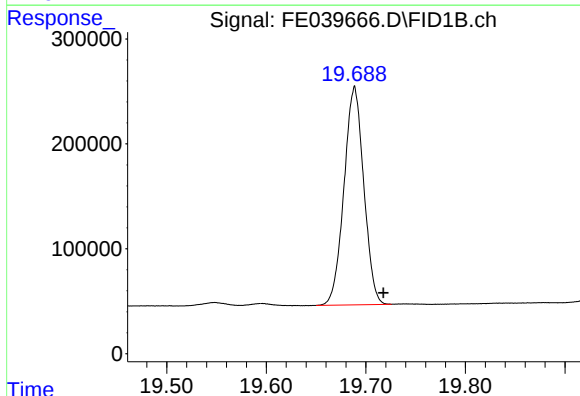
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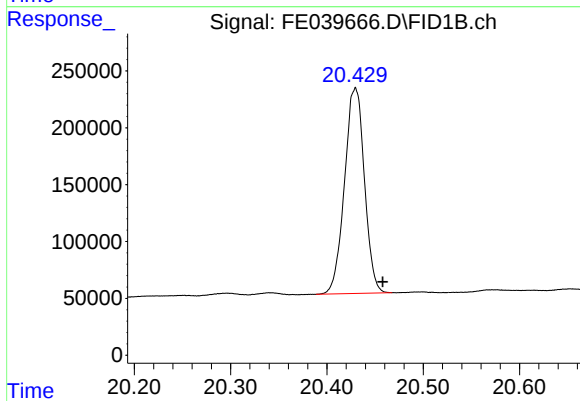
#18 n-Dotriacontane (C32)

R.T.: 18.906 min
Delta R.T.: -0.028 min
Response: 3119691
Conc: 24.09 ug/ml



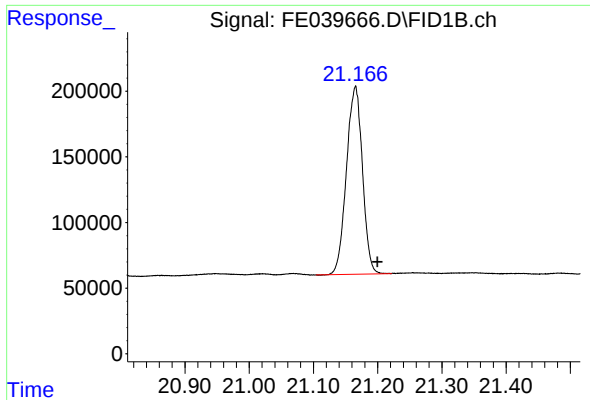
#19 n-Tetratriacontane (C34)

R.T.: 19.689 min
Delta R.T.: -0.029 min
Response: 2868633
Conc: 22.74 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.429 min
Delta R.T.: -0.029 min
Response: 2589492
Conc: 21.42 ug/ml m



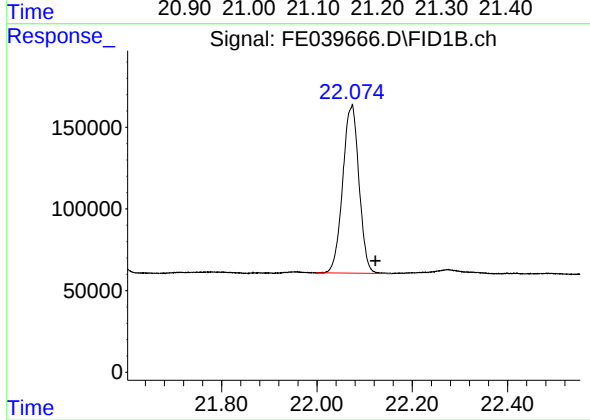
#21 n-Octatriacontane (C38)

R.T.: 21.165 min
Delta R.T.: -0.034 min
Response: 2473924
Conc: 20.03 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.074 min
Delta R.T.: -0.049 min
Response: 2436083
Conc: 19.40 ug/ml