

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE010923AL\
 Data File : FE039689.D
 Signal(s) : FID1B.ch
 Acq On : 09 Jan 2023 09:37
 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 01/10/2023
 Supervised By :Ankita Jodhani 01/10/2023

Integration File: autoint1.e
 Quant Time: Jan 09 17:51:34 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)	11.920	2732945	18.313 ug/ml
Spiked Amount 50.000		Recovery =	36.63%
12) S 1-chlorooctadecane (S...	13.357	2024829	17.592 ug/ml
Spiked Amount 50.000		Recovery =	35.18%
Target Compounds			
1) T n-Nonane (C9)	3.315	2146264	16.604 ug/ml
2) T n-Decane (C10)	4.565	2171923	17.045 ug/ml
3) T A~Naphthalene (C11.7)	6.267	2449661	16.946 ug/ml
4) T n-Dodecane (C12)	6.728	2205441	16.988 ug/ml
5) T A~2-methylnaphthalene...	7.361	2311048	17.064 ug/ml
6) T n-Tetradecane (C14)	8.554	2278689	17.196 ug/ml
7) T n-Hexadecane (C16)	10.161	2409994	17.518 ug/ml
8) T n-Octadecane (C18)	11.604	2505281	17.887 ug/ml
10) T n-Eicosane (C20)	12.912	2464669	18.055 ug/ml
11) T n-Heneicosane (C21)	13.523	2471723	18.122 ug/mlm
13) T n-Docosane (C22)	14.109	2472497	18.278 ug/ml
14) T n-Tetracosane (C24)	15.213	2496038	18.594 ug/ml
15) T n-Hexacosane (C26)	16.233	2437937	18.723 ug/ml
16) T n-Octacosane (C28)	17.183	2526237	19.629 ug/ml
17) T n-Tricontane (C30)	18.071	2760134	21.438 ug/mlm
18) T n-Dotriacontane (C32)	18.905	2826250	21.824 ug/ml
19) T n-Tetratriacontane (C34)	19.688	2545218	20.174 ug/ml
20) T n-Hexatriacontane (C36)	20.430	2245374	18.570 ug/mlm
21) T n-Octatriacontane (C38)	21.162	2012216	16.294 ug/mlm
22) T n-Tetracontane (C40)	22.072	2047264	16.302 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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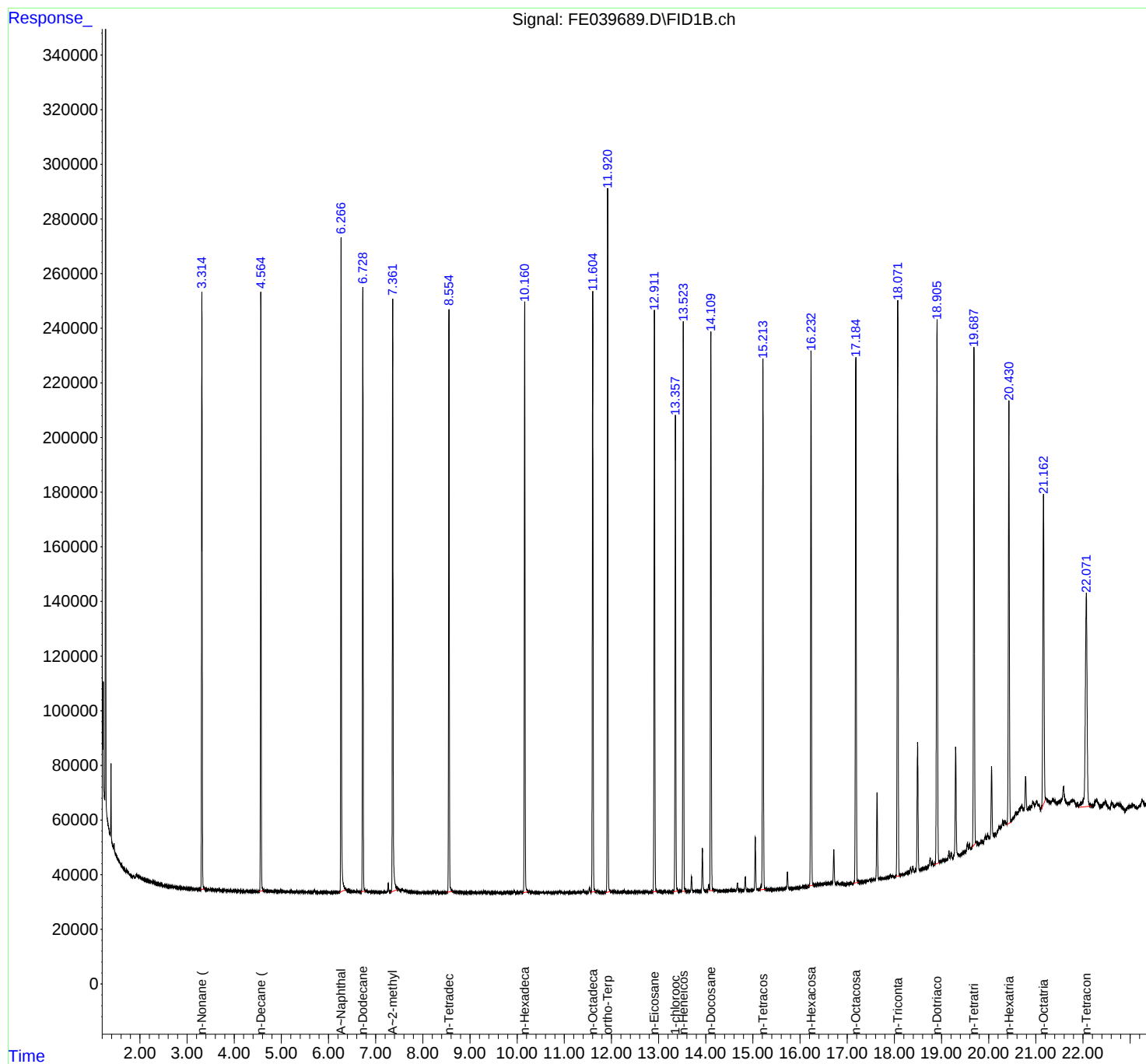
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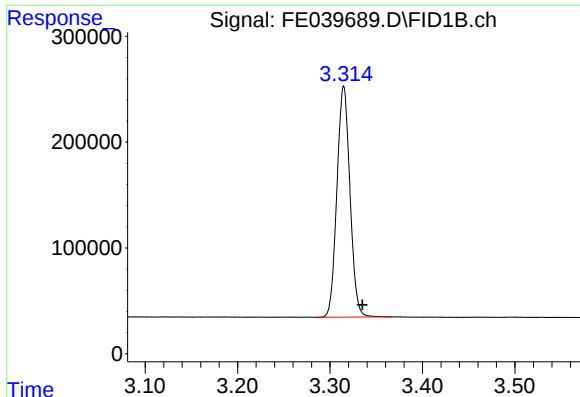
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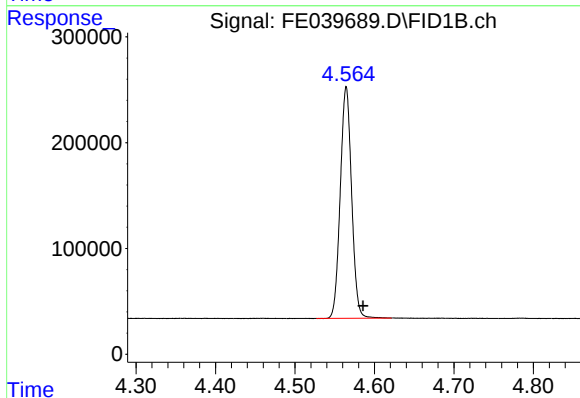
#1 n-Nonane (C9)

R.T.: 3.315 min
Delta R.T.: -0.020 min
Response: 2146264
Conc: 16.60 ug/ml

Instrument :
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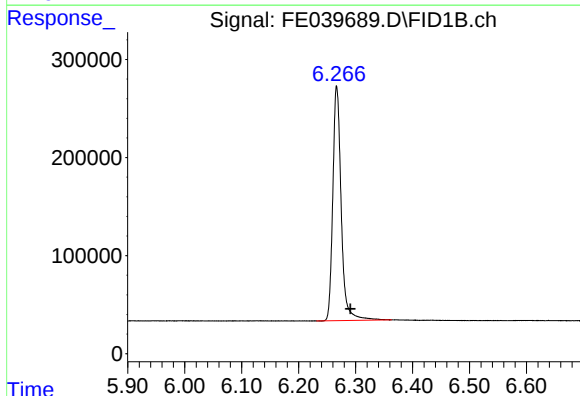
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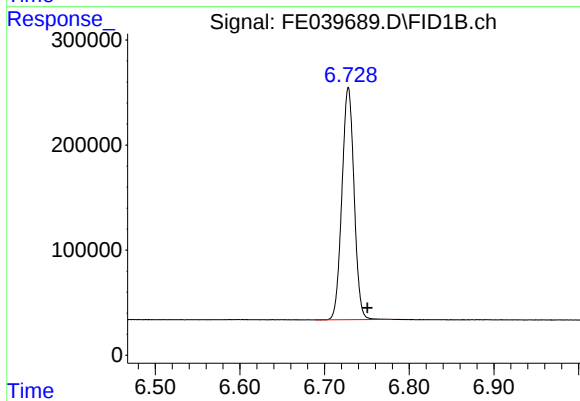
#2 n-Decane (C10)

R.T.: 4.565 min
Delta R.T.: -0.021 min
Response: 2171923
Conc: 17.05 ug/ml



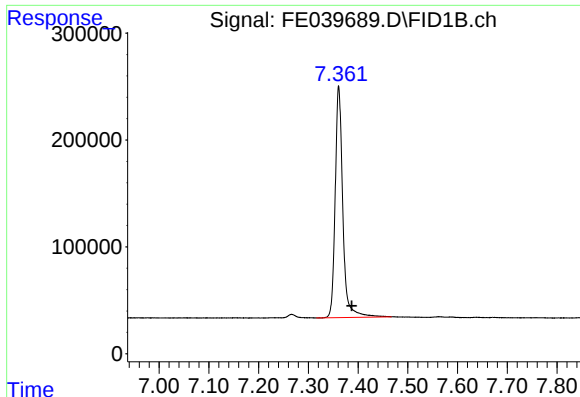
#3 A~Naphthalene (C11.7)

R.T.: 6.267 min
Delta R.T.: -0.024 min
Response: 2449661
Conc: 16.95 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.728 min
Delta R.T.: -0.022 min
Response: 2205441
Conc: 16.99 ug/ml



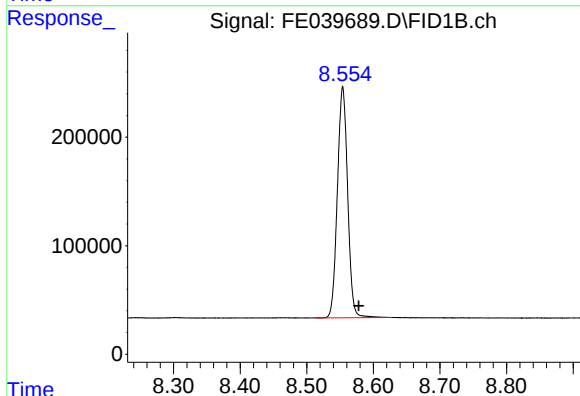
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.361 min
Delta R.T.: -0.026 min
Response: 2311048
Conc: 17.06 ug/ml

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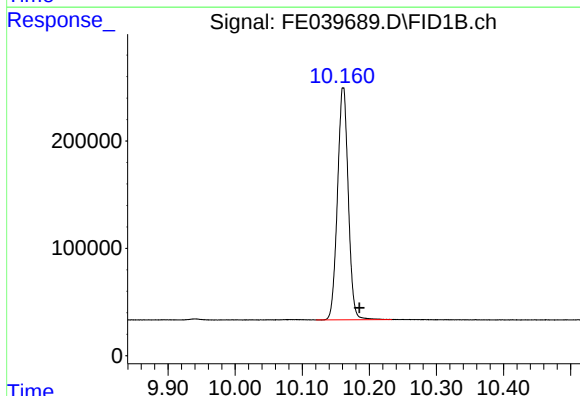
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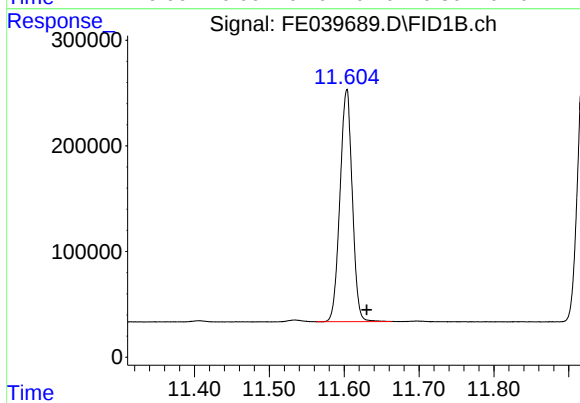
#6 n-Tetradecane (C14)

R.T.: 8.554 min
Delta R.T.: -0.024 min
Response: 2278689
Conc: 17.20 ug/ml



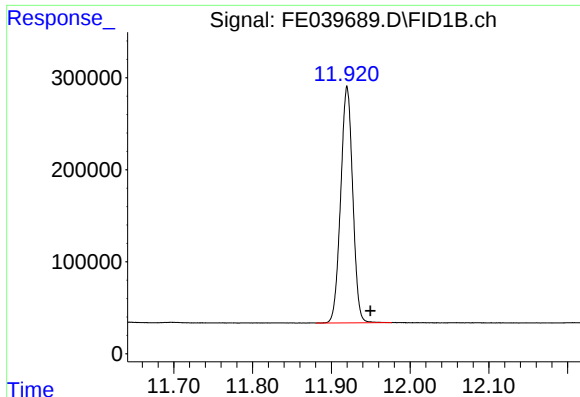
#7 n-Hexadecane (C16)

R.T.: 10.161 min
Delta R.T.: -0.024 min
Response: 2409994
Conc: 17.52 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.604 min
Delta R.T.: -0.027 min
Response: 2505281
Conc: 17.89 ug/ml



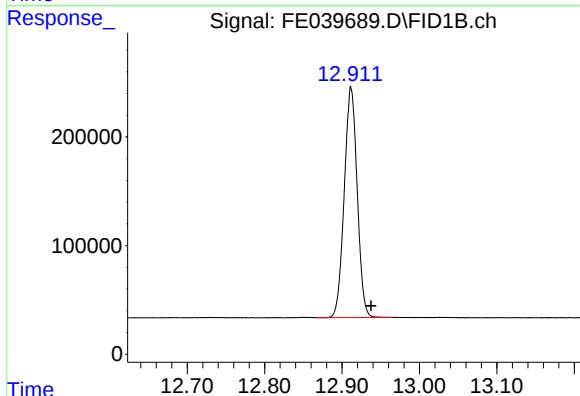
#9 ortho-Terphenyl (SURR)

R.T.: 11.920 min
Delta R.T.: -0.030 min
Response: 2732945
Conc: 18.31 ug/ml

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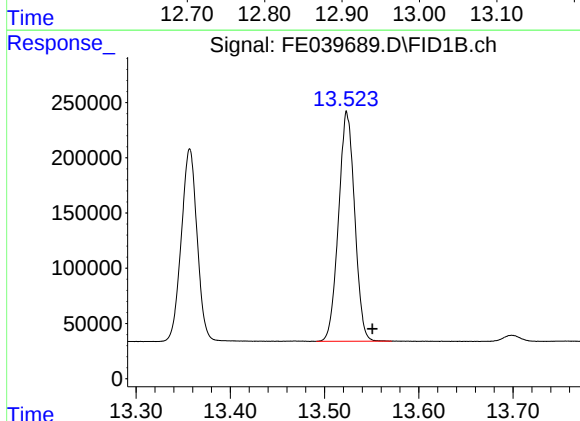
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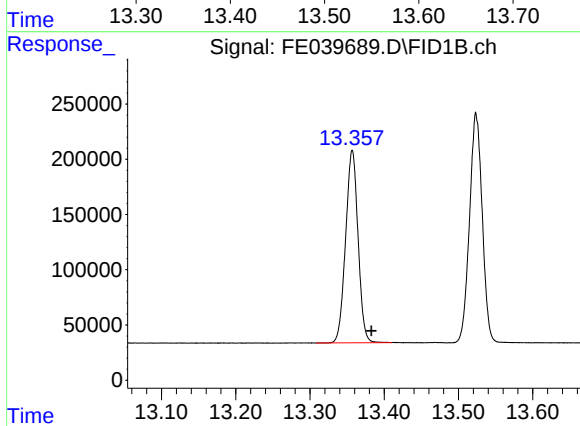
#10 n-Eicosane (C20)

R.T.: 12.912 min
Delta R.T.: -0.026 min
Response: 2464669
Conc: 18.06 ug/ml



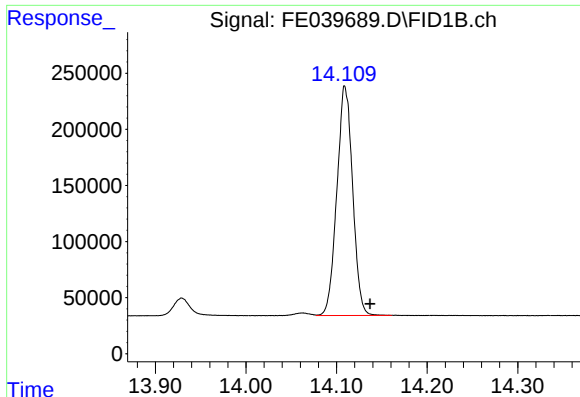
#11 n-Heneicosane (C21)

R.T.: 13.523 min
Delta R.T.: -0.028 min
Response: 2471723
Conc: 18.12 ug/ml m



#12 1-chlorooctadecane (SURR)

R.T.: 13.357 min
Delta R.T.: -0.026 min
Response: 2024829
Conc: 17.59 ug/ml



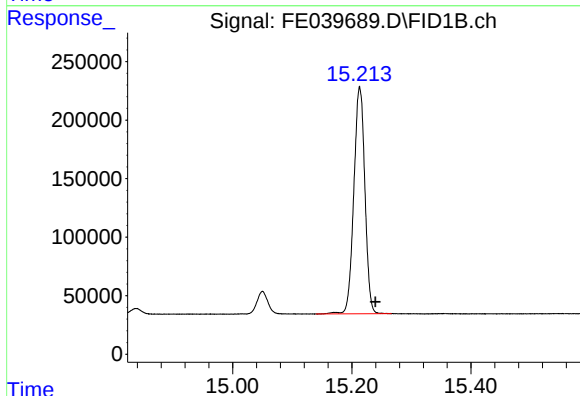
#13 n-Docosane (C22)

R.T.: 14.109 min
Delta R.T.: -0.028 min
Response: 2472497
Conc: 18.28 ug/ml

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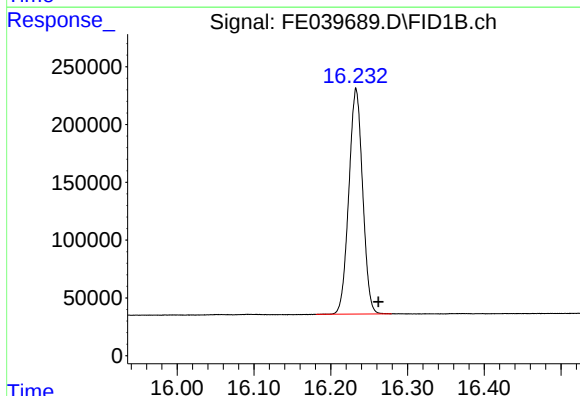
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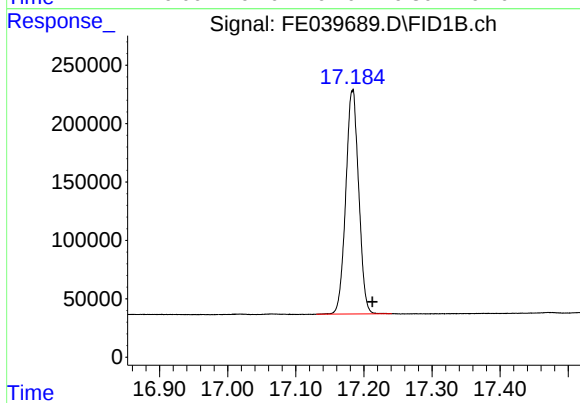
#14 n-Tetracosane (C24)

R.T.: 15.213 min
Delta R.T.: -0.026 min
Response: 2496038
Conc: 18.59 ug/ml



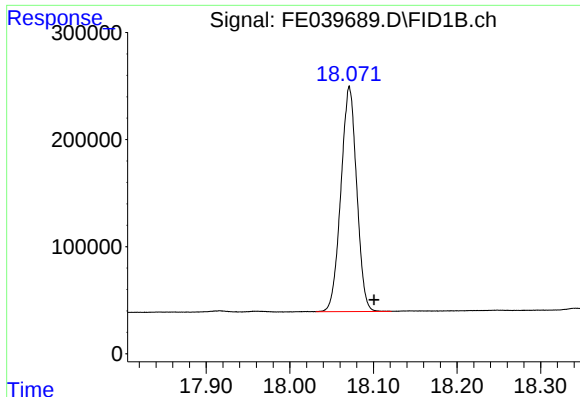
#15 n-Hexacosane (C26)

R.T.: 16.233 min
Delta R.T.: -0.029 min
Response: 2437937
Conc: 18.72 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.183 min
Delta R.T.: -0.029 min
Response: 2526237
Conc: 19.63 ug/ml



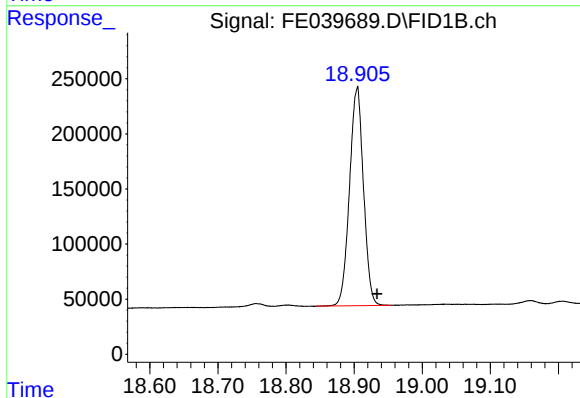
#17 n-Tricontane (C30)

R.T.: 18.071 min
Delta R.T.: -0.030 min
Response: 2760134
Conc: 21.44 ug/ml

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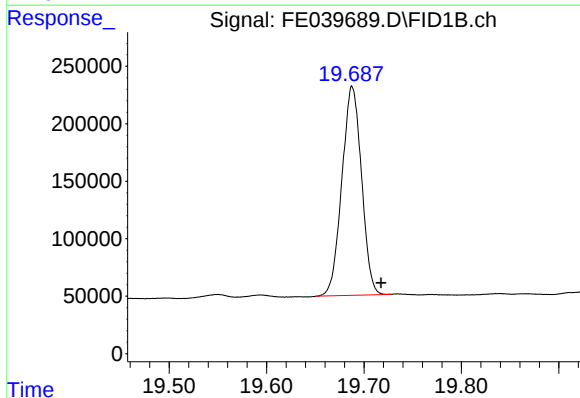
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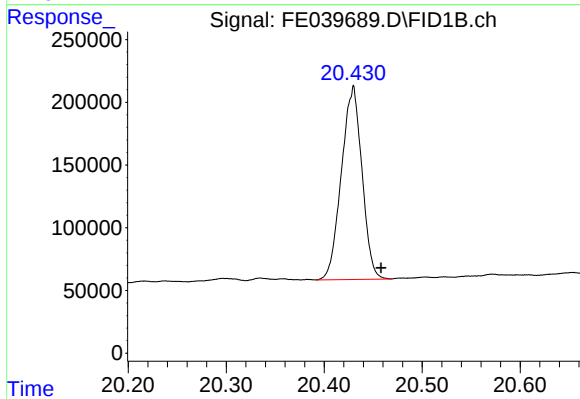
#18 n-Dotriacontane (C32)

R.T.: 18.905 min
Delta R.T.: -0.029 min
Response: 2826250
Conc: 21.82 ug/ml



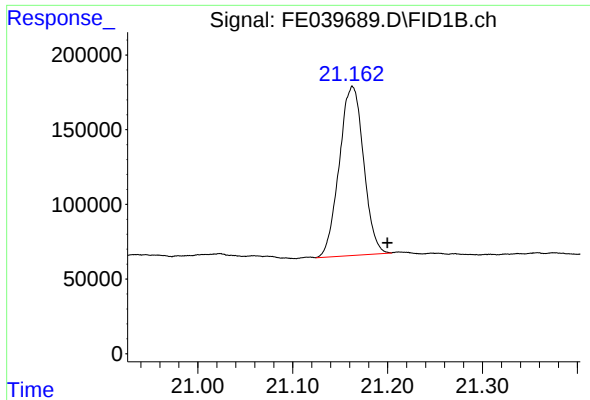
#19 n-Tetratriacontane (C34)

R.T.: 19.688 min
Delta R.T.: -0.030 min
Response: 2545218
Conc: 20.17 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.430 min
Delta R.T.: -0.028 min
Response: 2245374
Conc: 18.57 ug/ml m



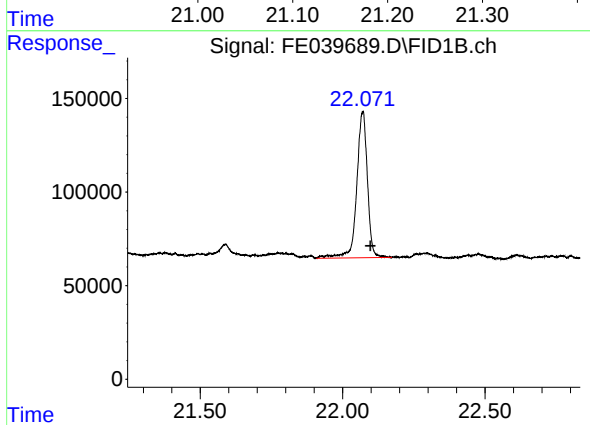
#21 n-Octatriacontane (C38)

R.T.: 21.162 min
Delta R.T.: -0.037 min
Response: 2012216
Conc: 16.29 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.072 min
Delta R.T.: -0.026 min
Response: 2047264
Conc: 16.30 ug/ml