

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE123022AL\
 Data File : FE039587.D
 Signal(s) : FID1B.ch
 Acq On : 30 Dec 2022 18:18
 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 01/03/2023
 Supervised By :Ankita Jodhani 01/03/2023

Integration File: autoint1.e
 Quant Time: Jan 02 05:29:47 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)	11.924	2741988	18.374 ug/ml
Spiked Amount 50.000		Recovery =	36.75%
12) S 1-chlorooctadecane (S...	13.361	2125162	18.464 ug/ml
Spiked Amount 50.000		Recovery =	36.93%
Target Compounds			
1) T n-Nonane (C9)	3.320	2241302	17.340 ug/ml
2) T n-Decane (C10)	4.570	2225026	17.462 ug/ml
3) T A~Naphthalene (C11.7)	6.272	2522058	17.447 ug/ml
4) T n-Dodecane (C12)	6.733	2254753	17.368 ug/ml
5) T A~2-methylnaphthalene...	7.367	2377314	17.554 ug/ml
6) T n-Tetradecane (C14)	8.558	2312564	17.452 ug/ml
7) T n-Hexadecane (C16)	10.165	2435196	17.701 ug/ml
8) T n-Octadecane (C18)	11.607	2521076	18.000 ug/ml
10) T n-Eicosane (C20)	12.916	2493392	18.266 ug/ml
11) T n-Heneicosane (C21)	13.527	2502131	18.345 ug/mlm
13) T n-Docosane (C22)	14.114	2513556	18.581 ug/ml
14) T n-Tetracosane (C24)	15.217	2555622	19.038 ug/ml
15) T n-Hexacosane (C26)	16.237	2495543	19.166 ug/ml
16) T n-Octacosane (C28)	17.186	2542870	19.758 ug/ml
17) T n-Tricontane (C30)	18.072	2676752	20.790 ug/mlm
18) T n-Dotriacontane (C32)	18.908	2720471	21.007 ug/ml
19) T n-Tetratriacontane (C34)	19.691	2540139	20.134 ug/ml
20) T n-Hexatriacontane (C36)	20.429	2339345	19.347 ug/mlm
21) T n-Octatriacontane (C38)	21.164	2279730	18.460 ug/ml
22) T n-Tetracontane (C40)	22.074	2262590	18.017 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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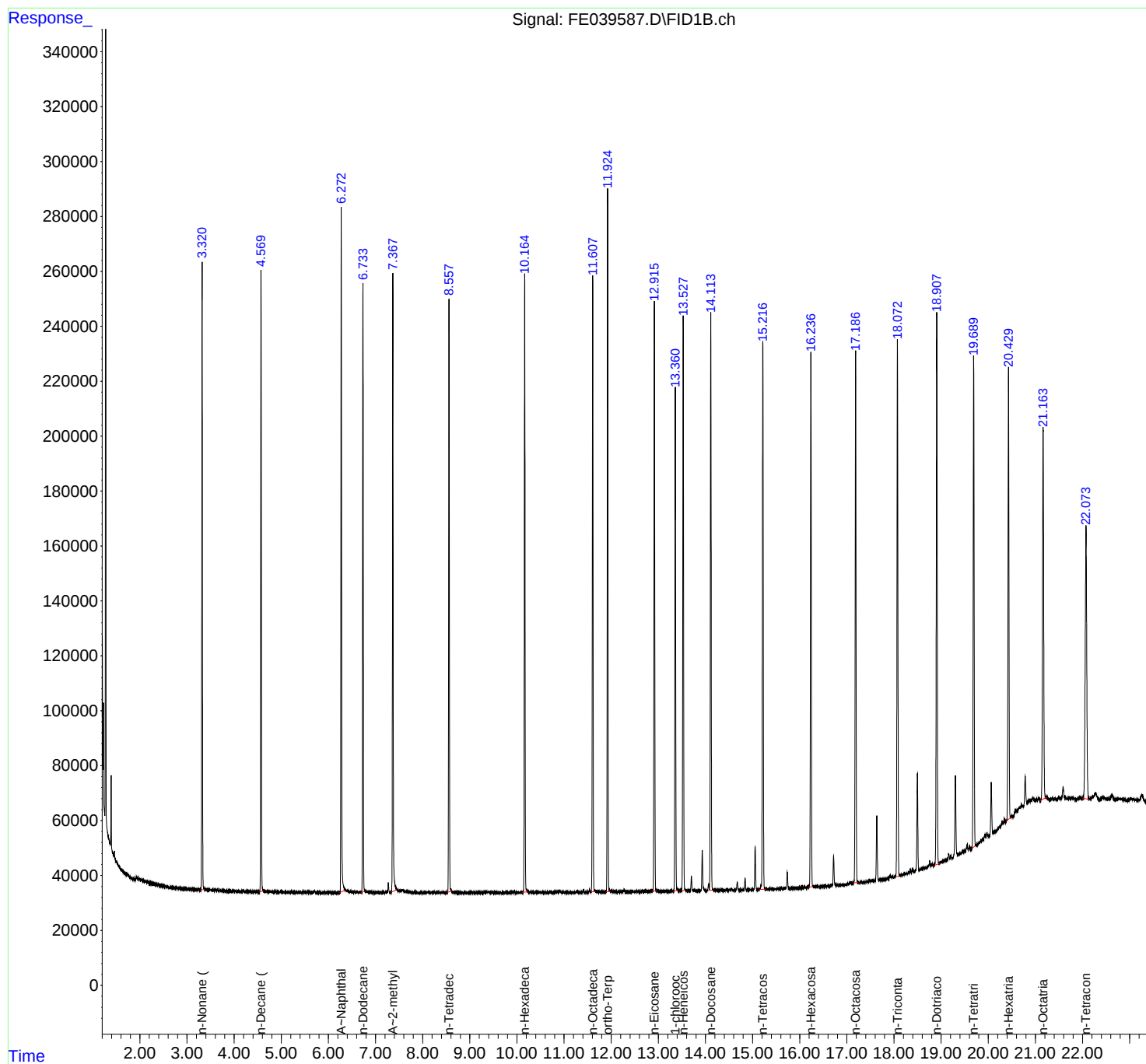
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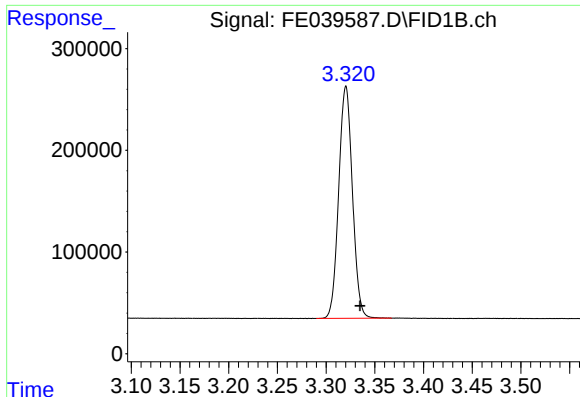
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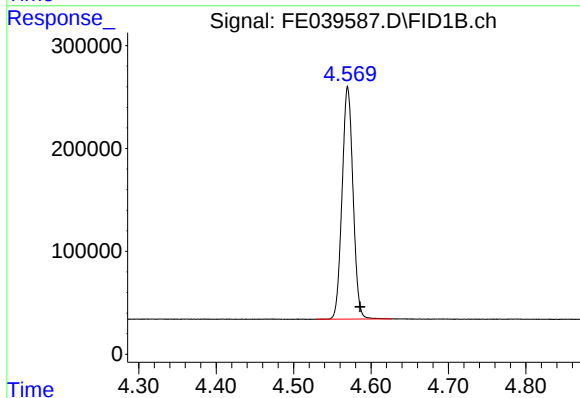
#1 n-Nonane (C9)

R.T.: 3.320 min
Delta R.T.: -0.015 min
Response: 2241302
Conc: 17.34 ug/ml

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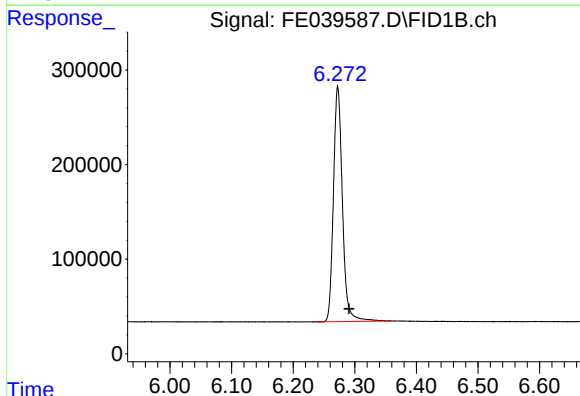
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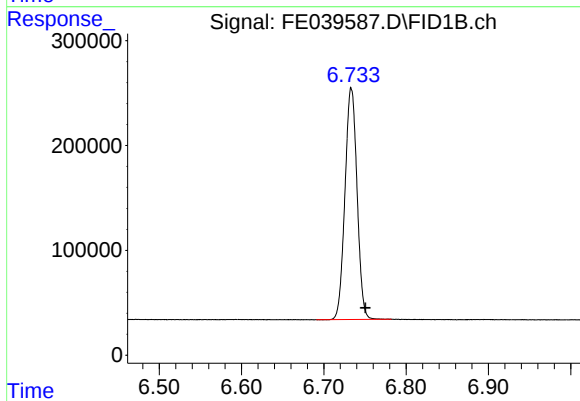
#2 n-Decane (C10)

R.T.: 4.570 min
Delta R.T.: -0.016 min
Response: 2225026
Conc: 17.46 ug/ml



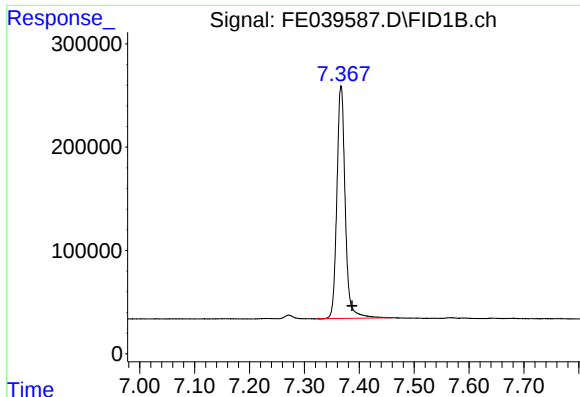
#3 A~Naphthalene (C11.7)

R.T.: 6.272 min
Delta R.T.: -0.018 min
Response: 2522058
Conc: 17.45 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.733 min
Delta R.T.: -0.017 min
Response: 2254753
Conc: 17.37 ug/ml



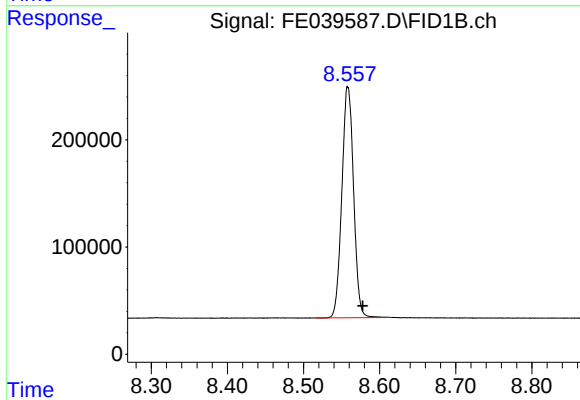
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.367 min
Delta R.T.: -0.020 min
Response: 2377314
Conc: 17.55 ug/ml

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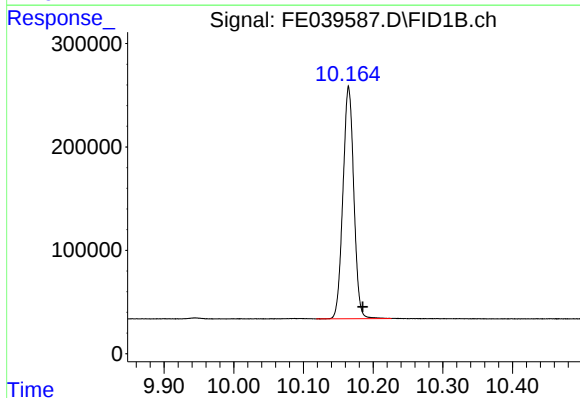
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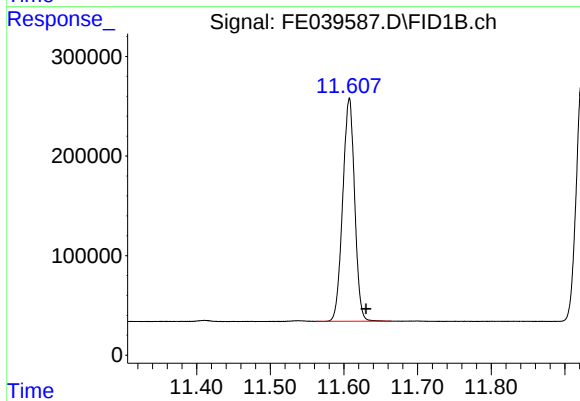
#6 n-Tetradecane (C14)

R.T.: 8.558 min
Delta R.T.: -0.020 min
Response: 2312564
Conc: 17.45 ug/ml



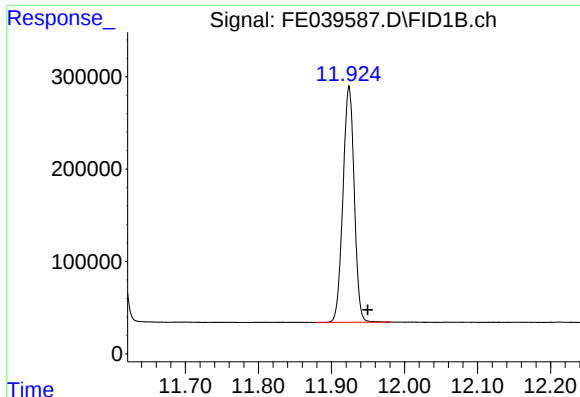
#7 n-Hexadecane (C16)

R.T.: 10.165 min
Delta R.T.: -0.020 min
Response: 2435196
Conc: 17.70 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.607 min
Delta R.T.: -0.023 min
Response: 2521076
Conc: 18.00 ug/ml



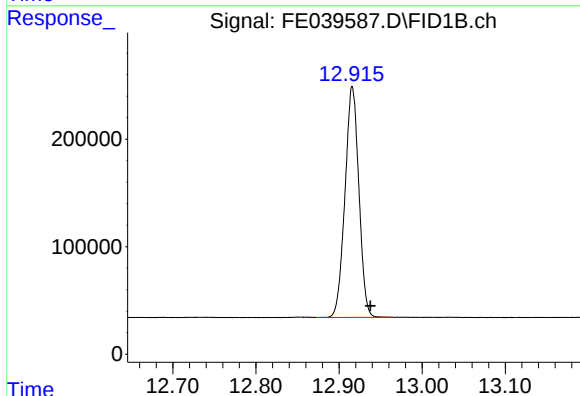
#9 ortho-Terphenyl (SURR)

R.T.: 11.924 min
Delta R.T.: -0.026 min
Response: 2741988
Conc: 18.37 ug/ml

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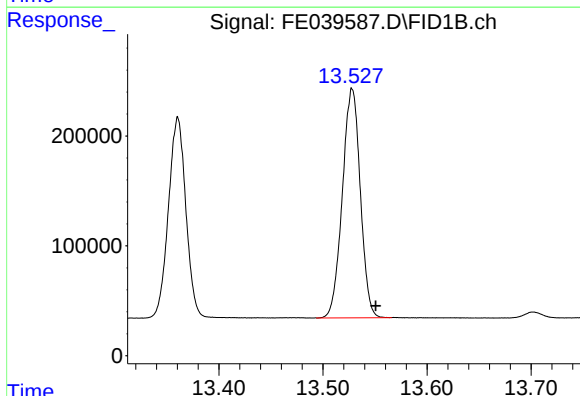
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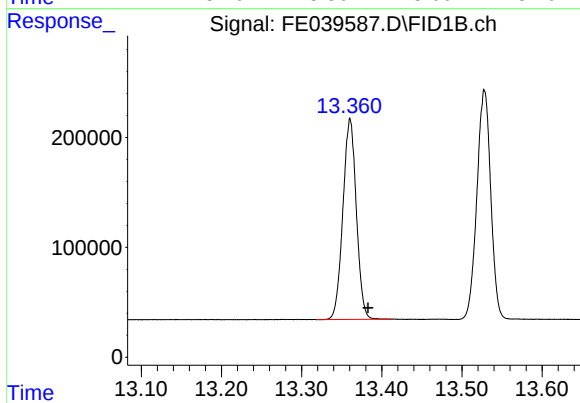
#10 n-Eicosane (C20)

R.T.: 12.916 min
Delta R.T.: -0.022 min
Response: 2493392
Conc: 18.27 ug/ml



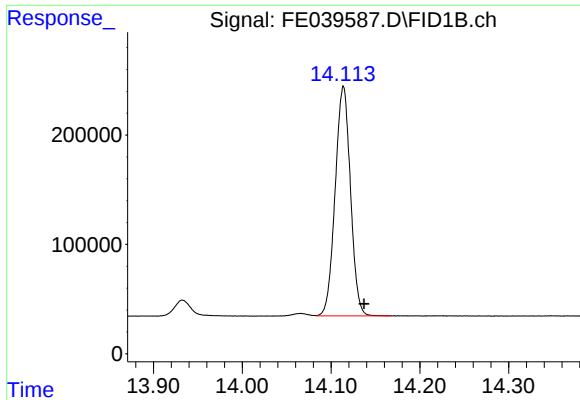
#11 n-Heneicosane (C21)

R.T.: 13.527 min
Delta R.T.: -0.024 min
Response: 2502131
Conc: 18.35 ug/ml m



#12 1-chlorooctadecane (SURR)

R.T.: 13.361 min
Delta R.T.: -0.022 min
Response: 2125162
Conc: 18.46 ug/ml



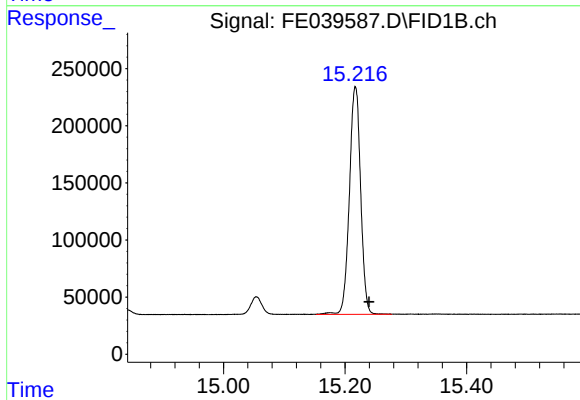
#13 n-Docosane (C22)

R.T.: 14.114 min
Delta R.T.: -0.023 min
Response: 2513556
Conc: 18.58 ug/ml

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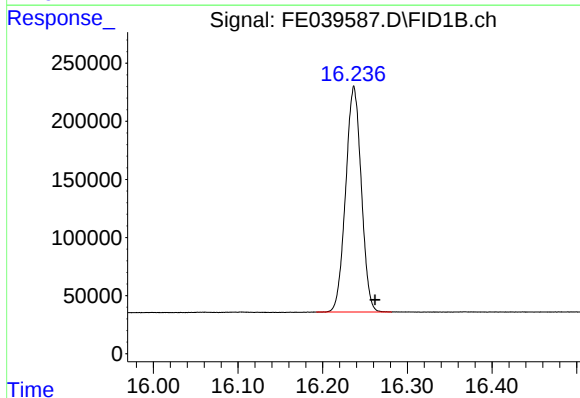
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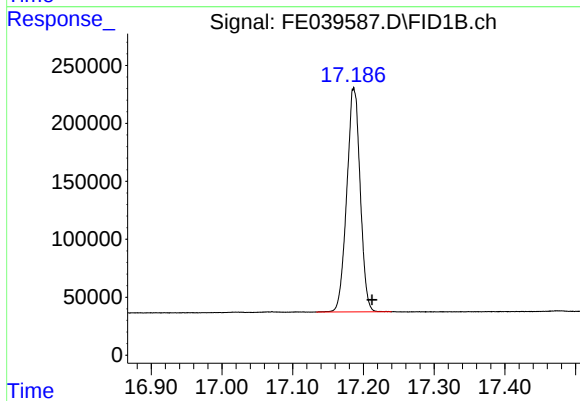
#14 n-Tetracosane (C24)

R.T.: 15.217 min
Delta R.T.: -0.022 min
Response: 2555622
Conc: 19.04 ug/ml



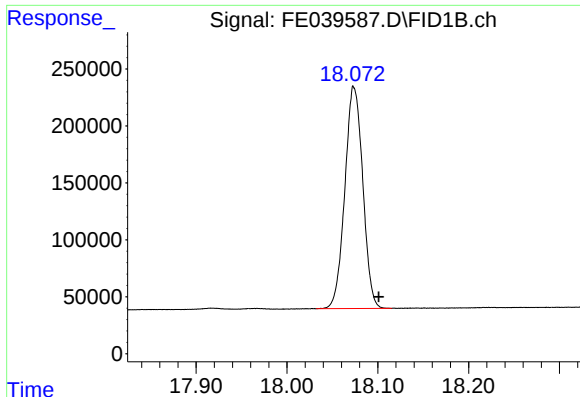
#15 n-Hexacosane (C26)

R.T.: 16.237 min
Delta R.T.: -0.025 min
Response: 2495543
Conc: 19.17 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.186 min
Delta R.T.: -0.026 min
Response: 2542870
Conc: 19.76 ug/ml



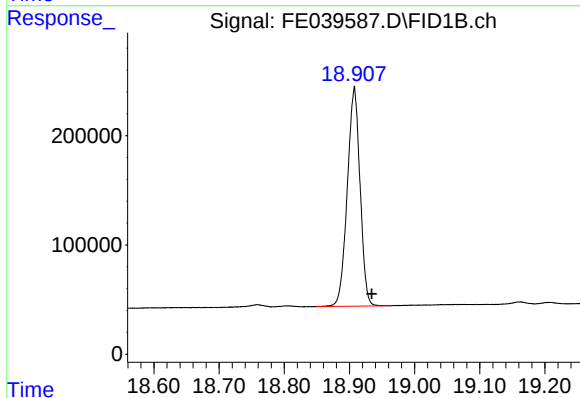
#17 n-Tricontane (C30)

R.T.: 18.072 min
Delta R.T.: -0.029 min
Response: 2676752
Conc: 20.79 ug/ml

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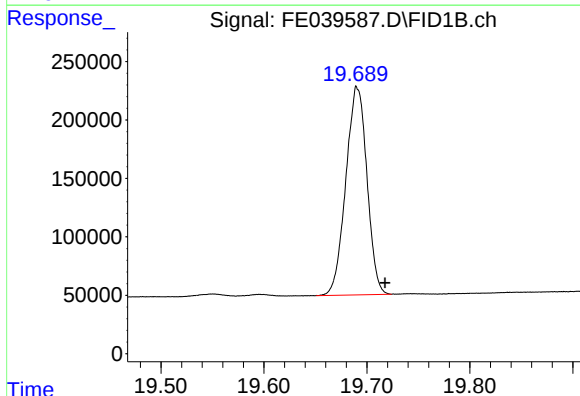
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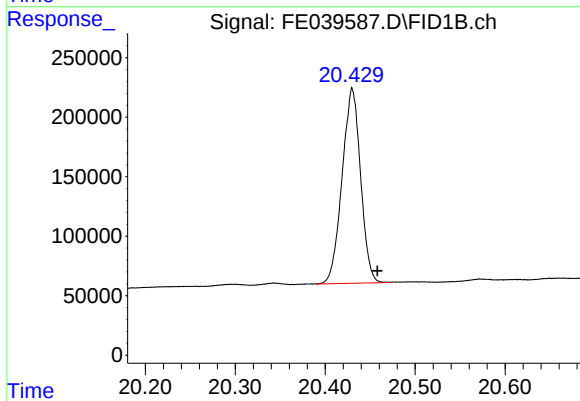
#18 n-Dotriacontane (C32)

R.T.: 18.908 min
Delta R.T.: -0.026 min
Response: 2720471
Conc: 21.01 ug/ml



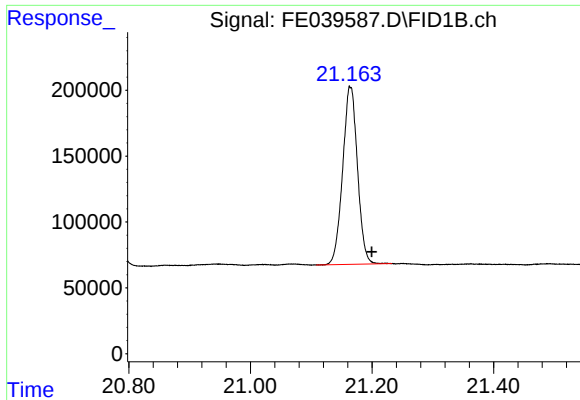
#19 n-Tetratriacontane (C34)

R.T.: 19.691 min
Delta R.T.: -0.027 min
Response: 2540139
Conc: 20.13 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.429 min
Delta R.T.: -0.029 min
Response: 2339345
Conc: 19.35 ug/ml m



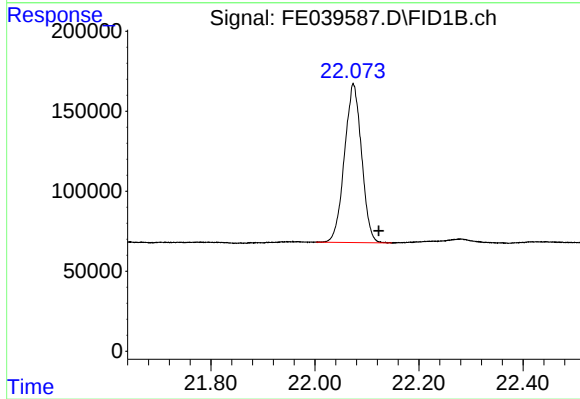
#21 n-Octatriacontane (C38)

R.T.: 21.164 min
Delta R.T.: -0.036 min
Response: 2279730
Conc: 18.46 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.074 min
Delta R.T.: -0.049 min
Response: 2262590
Conc: 18.02 ug/ml