

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE010423AL\
 Data File : FE039628.D
 Signal(s) : FID1B.ch
 Acq On : 04 Jan 2023 11:29
 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 01/05/2023
 Supervised By :Ankita Jodhani 01/05/2023

Integration File: autoint1.e
 Quant Time: Jan 05 02:34:33 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)	11.925	2840735	19.036 ug/ml
Spiked Amount 50.000		Recovery =	38.07%
12) S 1-chlorooctadecane (S...	13.360	2195567	19.075 ug/ml
Spiked Amount 50.000		Recovery =	38.15%
Target Compounds			
1) T n-Nonane (C9)	3.319	2277284	17.618 ug/ml
2) T n-Decane (C10)	4.569	2284897	17.932 ug/ml
3) T A~Naphthalene (C11.7)	6.272	2598991	17.979 ug/ml
4) T n-Dodecane (C12)	6.733	2318805	17.861 ug/ml
5) T A~2-methylnaphthalene...	7.366	2440004	18.017 ug/ml
6) T n-Tetradecane (C14)	8.559	2388859	18.028 ug/ml
7) T n-Hexadecane (C16)	10.165	2515118	18.282 ug/ml
8) T n-Octadecane (C18)	11.607	2608513	18.624 ug/ml
10) T n-Eicosane (C20)	12.916	2583461	18.926 ug/ml
11) T n-Heneicosane (C21)	13.529	2600392	19.066 ug/mlm
13) T n-Docosane (C22)	14.115	2606738	19.270 ug/ml
14) T n-Tetracosane (C24)	15.217	2628997	19.584 ug/ml
15) T n-Hexacosane (C26)	16.238	2592064	19.907 ug/ml
16) T n-Octacosane (C28)	17.188	2667543	20.727 ug/ml
17) T n-Tricontane (C30)	18.075	2846168	22.106 ug/mlm
18) T n-Dotriacontane (C32)	18.908	2903290	22.419 ug/ml
19) T n-Tetratriacontane (C34)	19.692	2684321	21.277 ug/ml
20) T n-Hexatriacontane (C36)	20.431	2437174	20.156 ug/mlm
21) T n-Octatriacontane (C38)	21.166	2353281	19.055 ug/ml
22) T n-Tetracontane (C40)	22.077	2323054	18.498 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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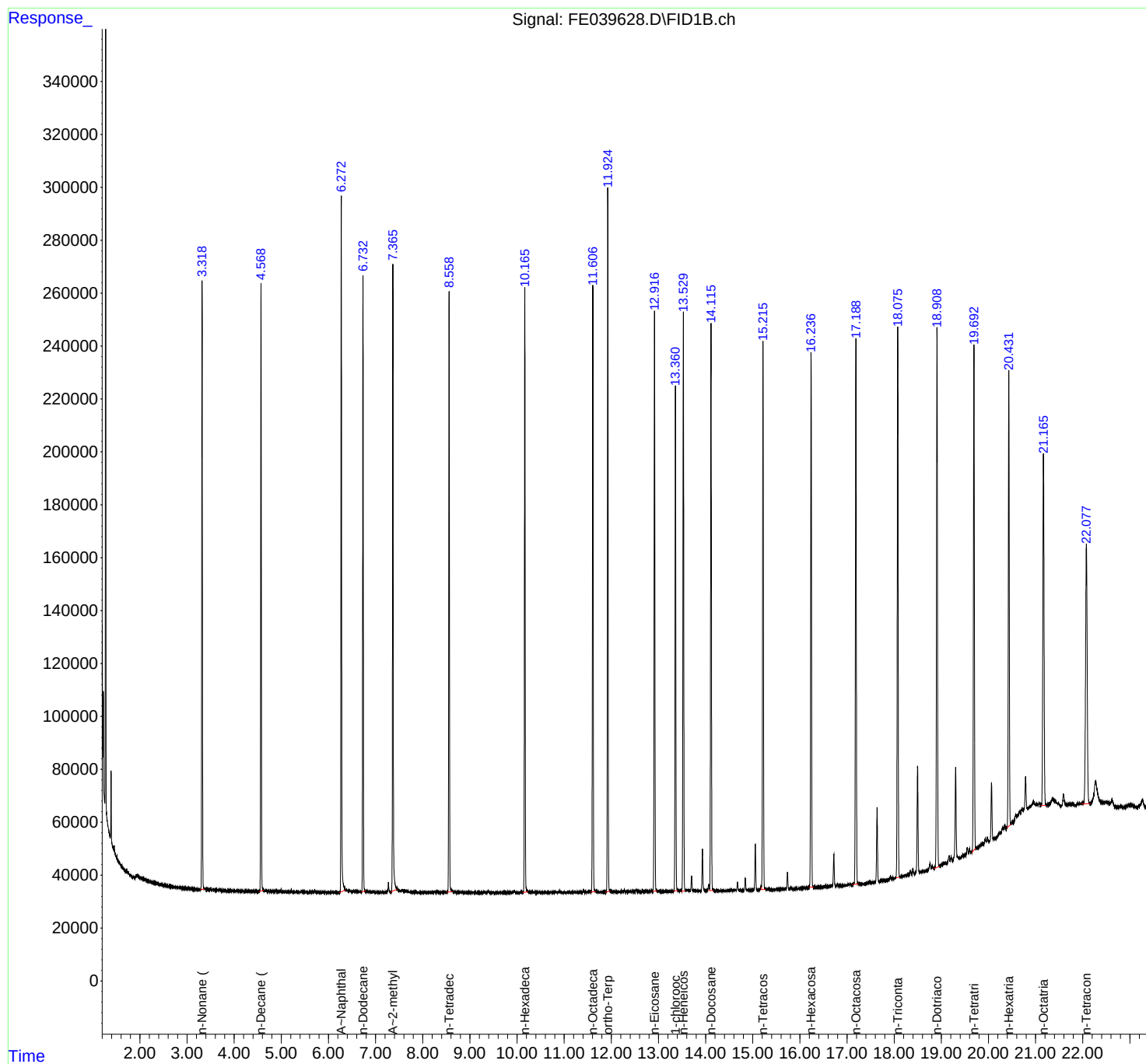
Instrument :
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20 PPM ALIPHATIC HC STD

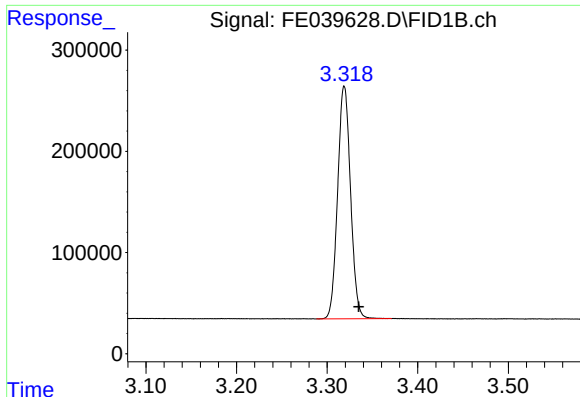
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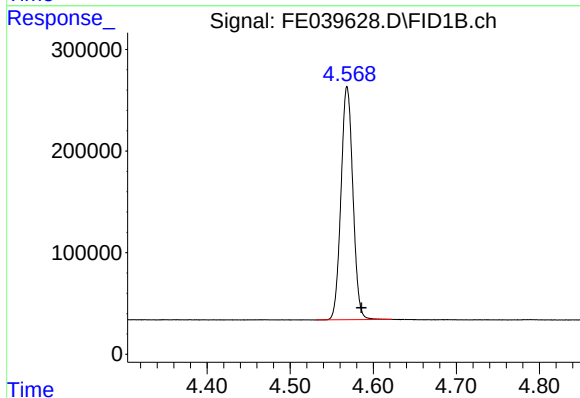
#1 n-Nonane (C9)

R.T.: 3.319 min
Delta R.T.: -0.016 min
Response: 2277284
Conc: 17.62 ug/ml

Instrument :
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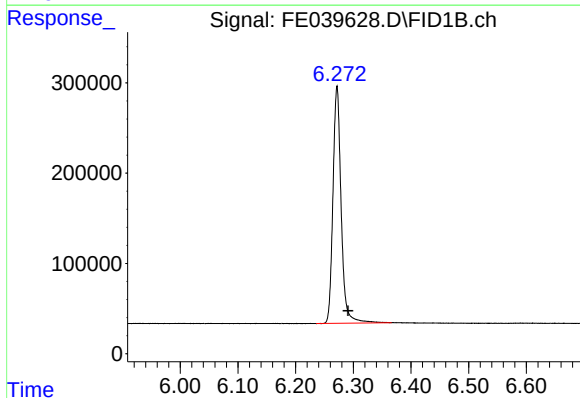
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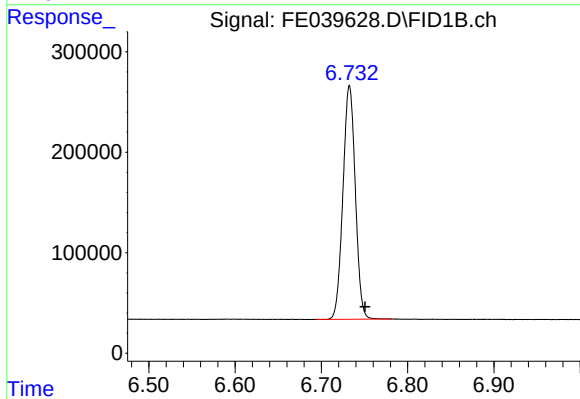
#2 n-Decane (C10)

R.T.: 4.569 min
Delta R.T.: -0.017 min
Response: 2284897
Conc: 17.93 ug/ml



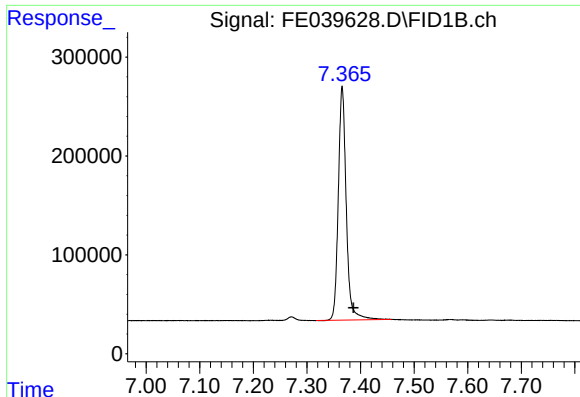
#3 A~Naphthalene (C11.7)

R.T.: 6.272 min
Delta R.T.: -0.019 min
Response: 2598991
Conc: 17.98 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.733 min
Delta R.T.: -0.018 min
Response: 2318805
Conc: 17.86 ug/ml



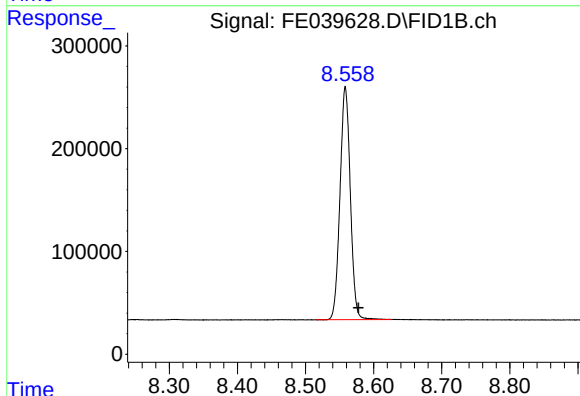
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.366 min
Delta R.T.: -0.021 min
Response: 2440004
Conc: 18.02 ug/ml

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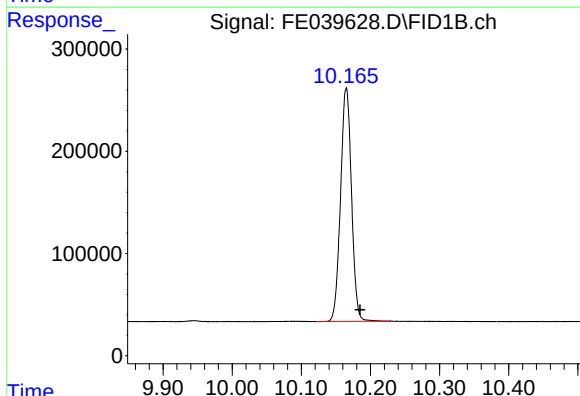
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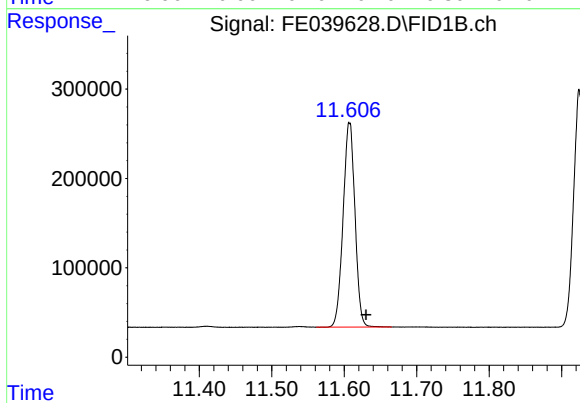
#6 n-Tetradecane (C14)

R.T.: 8.559 min
Delta R.T.: -0.019 min
Response: 2388859
Conc: 18.03 ug/ml



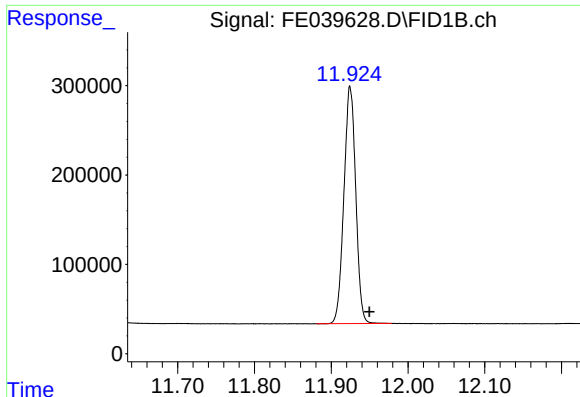
#7 n-Hexadecane (C16)

R.T.: 10.165 min
Delta R.T.: -0.020 min
Response: 2515118
Conc: 18.28 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.607 min
Delta R.T.: -0.023 min
Response: 2608513
Conc: 18.62 ug/ml



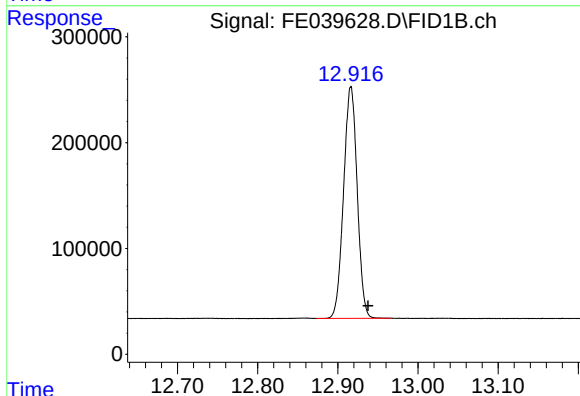
#9 ortho-Terphenyl (SURR)

R.T.: 11.925 min
Delta R.T.: -0.025 min
Response: 2840735
Conc: 19.04 ug/ml

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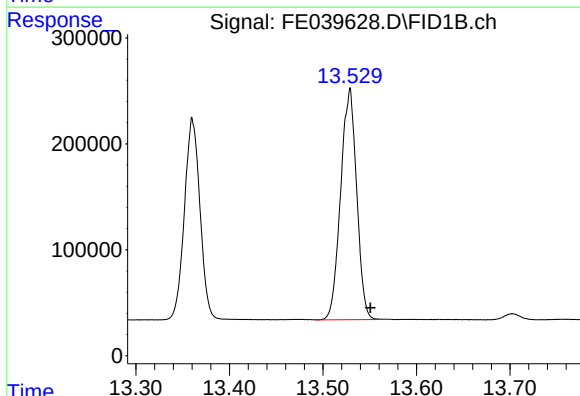
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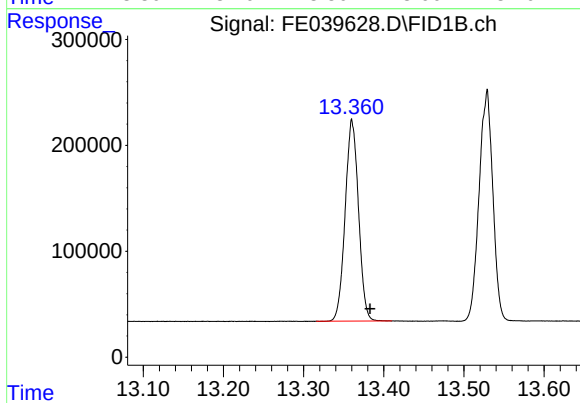
#10 n-Eicosane (C20)

R.T.: 12.916 min
Delta R.T.: -0.021 min
Response: 2583461
Conc: 18.93 ug/ml



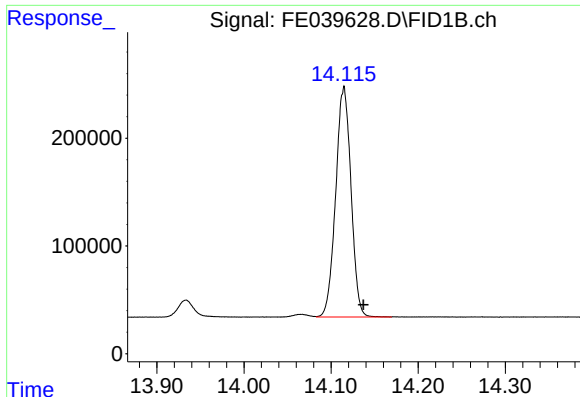
#11 n-Heneicosane (C21)

R.T.: 13.529 min
Delta R.T.: -0.022 min
Response: 2600392
Conc: 19.07 ug/ml m



#12 1-chlorooctadecane (SURR)

R.T.: 13.360 min
Delta R.T.: -0.023 min
Response: 2195567
Conc: 19.08 ug/ml



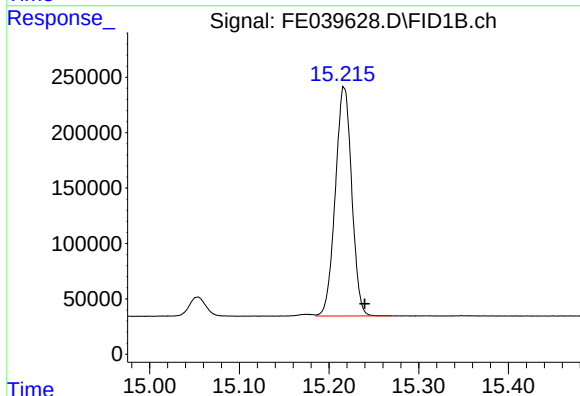
#13 n-Docosane (C22)

R.T.: 14.115 min
Delta R.T.: -0.022 min
Response: 2606738
Conc: 19.27 ug/ml

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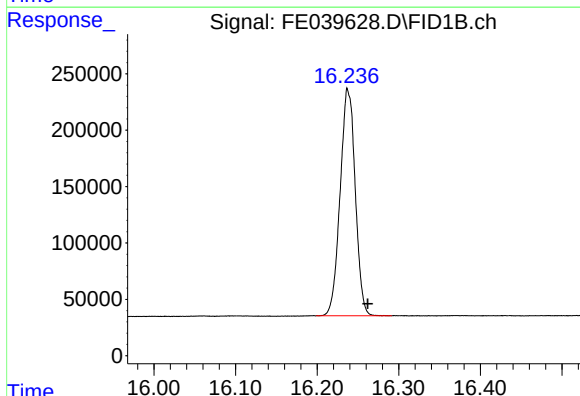
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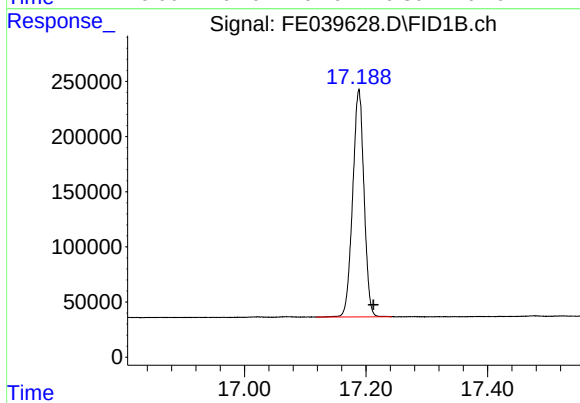
#14 n-Tetracosane (C24)

R.T.: 15.217 min
Delta R.T.: -0.023 min
Response: 2628997
Conc: 19.58 ug/ml



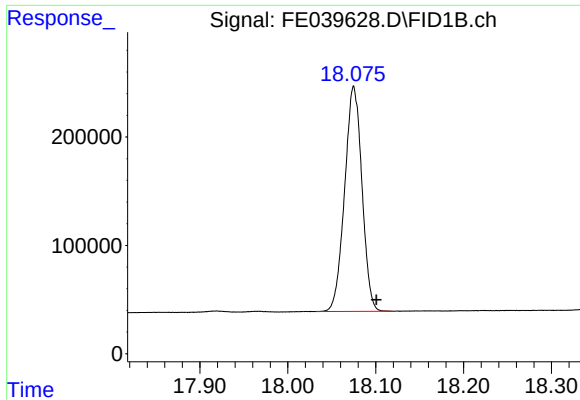
#15 n-Hexacosane (C26)

R.T.: 16.238 min
Delta R.T.: -0.024 min
Response: 2592064
Conc: 19.91 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.188 min
Delta R.T.: -0.024 min
Response: 2667543
Conc: 20.73 ug/ml



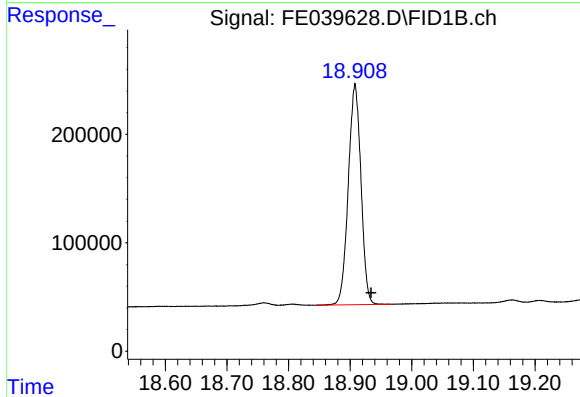
#17 n-Tricontane (C30)

R.T.: 18.075 min
Delta R.T.: -0.026 min
Response: 2846168
Conc: 22.11 ug/ml

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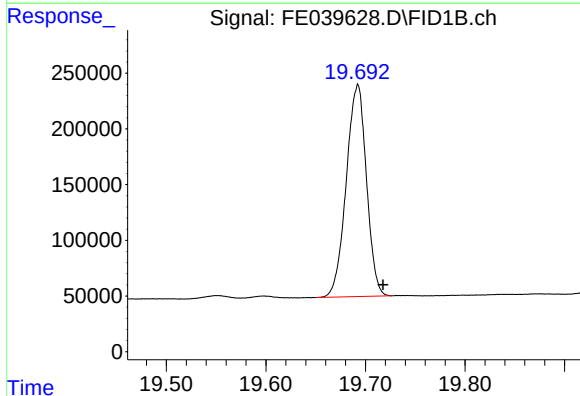
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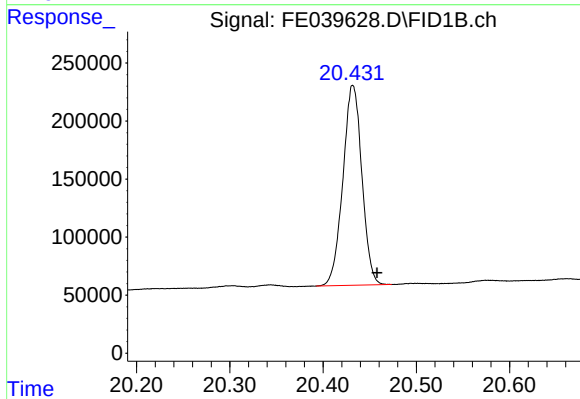
#18 n-Dotriacontane (C32)

R.T.: 18.908 min
Delta R.T.: -0.026 min
Response: 2903290
Conc: 22.42 ug/ml



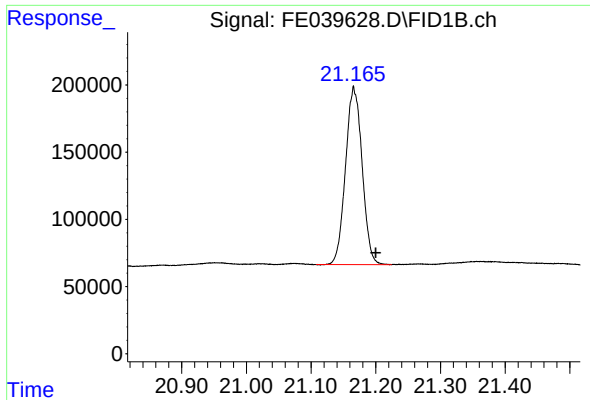
#19 n-Tetratriacontane (C34)

R.T.: 19.692 min
Delta R.T.: -0.025 min
Response: 2684321
Conc: 21.28 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.431 min
Delta R.T.: -0.027 min
Response: 2437174
Conc: 20.16 ug/ml m



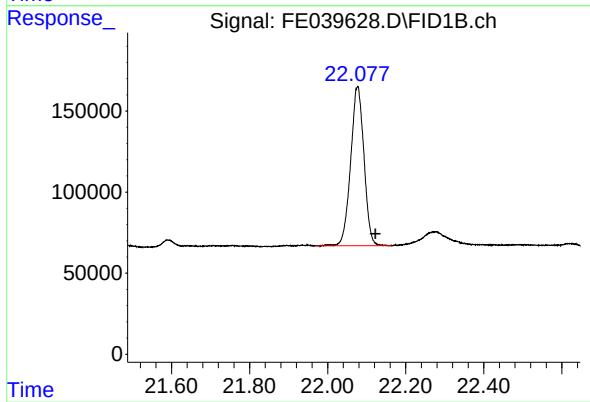
#21 n-Octatriacontane (C38)

R.T.: 21.166 min
Delta R.T.: -0.034 min
Response: 2353281
Conc: 19.06 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.077 min
Delta R.T.: -0.045 min
Response: 2323054
Conc: 18.50 ug/ml