

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080824AL\
 Data File : FE049527.D
 Signal(s) : FID1B.ch
 Acq On : 08 Aug 2024 20:39
 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 08/09/2024
 Supervised By :Ankita Jodhani 08/09/2024

Integration File: sample.E
 Quant Time: Aug 09 01:21:47 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)	11.889	3213331	20.717 ug/ml
Spiked Amount 50.000		Recovery =	41.43%
12) S 1-chlorooctadecane (S...	13.324	2449199	20.963 ug/ml
Spiked Amount 50.000		Recovery =	41.93%
Target Compounds			
1) T n-Nonane (C9)	3.279	2992064	19.896 ug/ml
2) T n-Decane (C10)	4.530	3112902	20.154 ug/ml
3) T A~Naphthalene (C11.7)	6.236	3180807	20.416 ug/ml
4) T n-Dodecane (C12)	6.697	3119691	20.260 ug/ml
5) T A~2-methylnaphthalene...	7.331	3013960	20.710 ug/ml
6) T n-Tetradecane (C14)	8.524	3067676	20.212 ug/ml
7) T n-Hexadecane (C16)	10.129	3122312	20.588 ug/ml
8) T n-Octadecane (C18)	11.572	3140914	20.687 ug/ml
10) T n-Eicosane (C20)	12.880	2983778	20.634 ug/ml
11) T n-Heneicosane (C21)	13.491	2924481	20.623 ug/ml
13) T n-Docosane (C22)	14.077	2909346	20.708 ug/ml
14) T n-Tetracosane (C24)	15.178	2927160	20.886 ug/ml
15) T n-Hexacosane (C26)	16.198	2904127	20.711 ug/ml
16) T n-Octacosane (C28)	17.146	2929241	20.928 ug/ml
17) T n-Tricontane (C30)	18.033	3022791	20.722 ug/ml
18) T n-Dotriacontane (C32)	18.864	3079202	20.942 ug/ml
19) T n-Tetratriacontane (C34)	19.647	3059994	20.949 ug/ml
20) T n-Hexatriacontane (C36)	20.386	3037532	21.071 ug/ml
21) T n-Octatriacontane (C38)	21.113	3149910	21.043 ug/ml
22) T n-Tetracontane (C40)	22.008	3026345	20.055 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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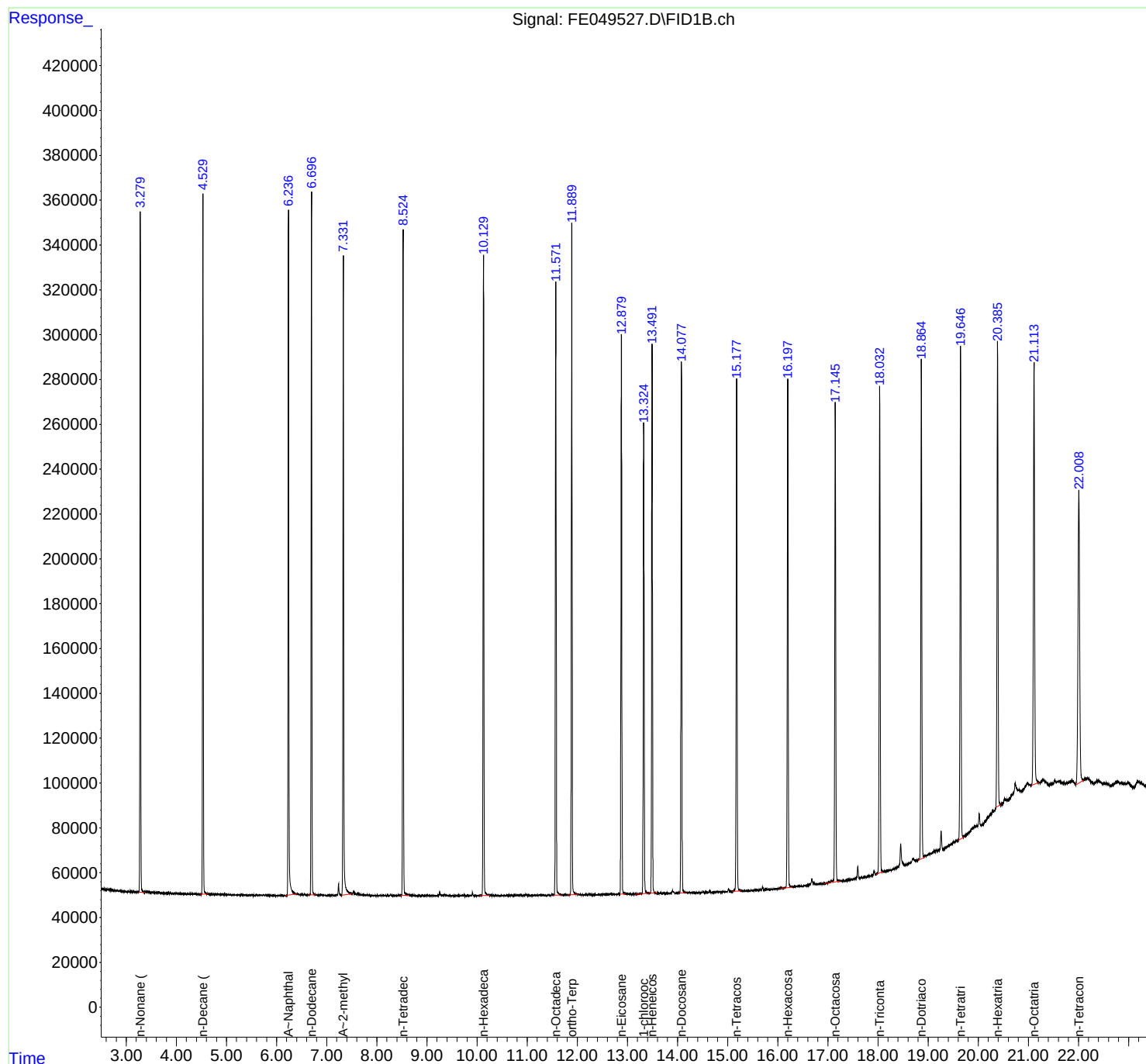
Instrument :
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20 PPM ALIPHATIC HC STD

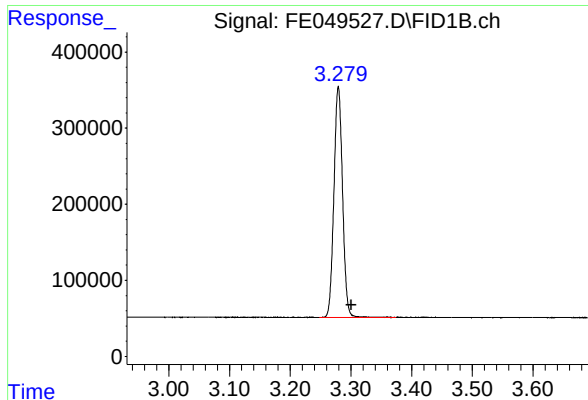
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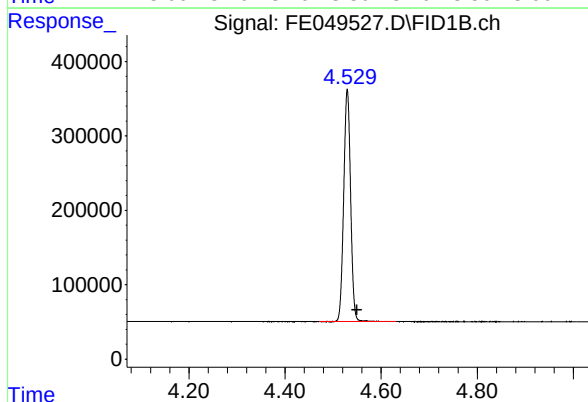
#1 n-Nonane (C9)

R.T.: 3.279 min
Delta R.T.: -0.022 min
Response: 2992064
Conc: 19.90 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

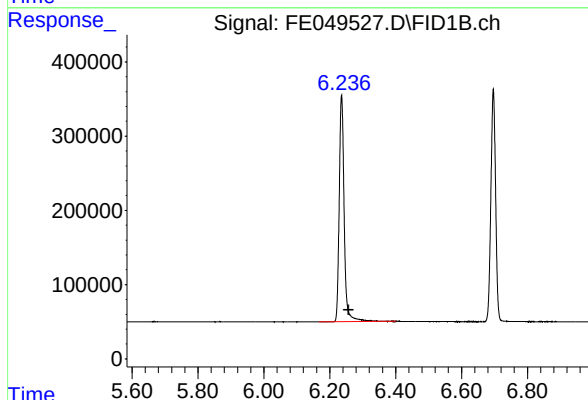
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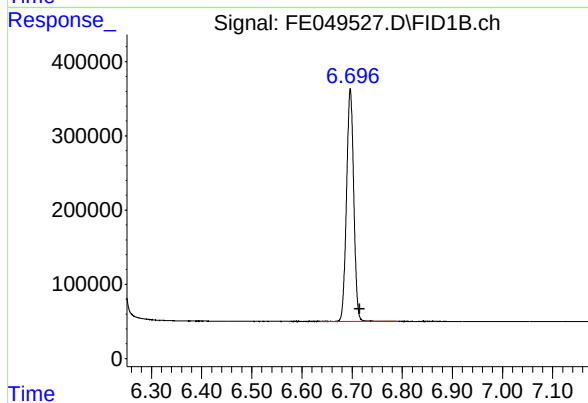
#2 n-Decane (C10)

R.T.: 4.530 min
Delta R.T.: -0.020 min
Response: 3112902
Conc: 20.15 ug/ml



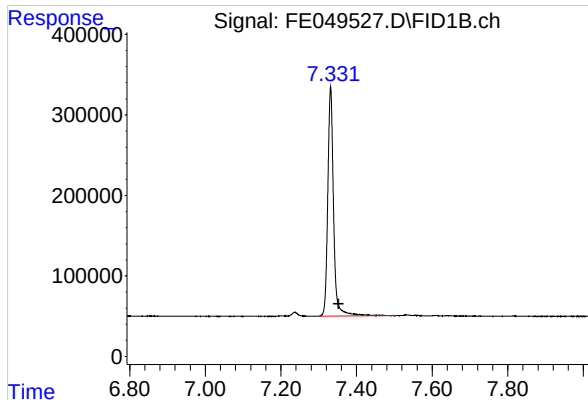
#3 A~Naphthalene (C11.7)

R.T.: 6.236 min
Delta R.T.: -0.021 min
Response: 3180807
Conc: 20.42 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.697 min
Delta R.T.: -0.018 min
Response: 3119691
Conc: 20.26 ug/ml



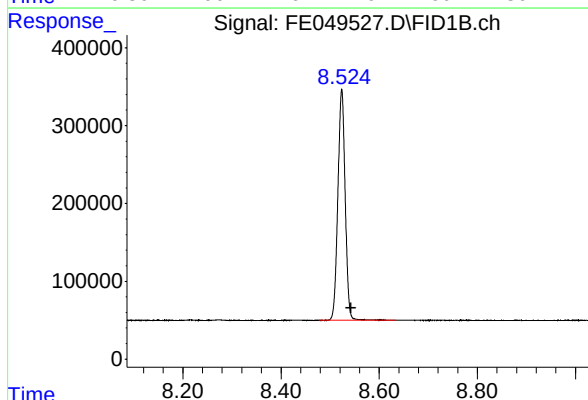
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.331 min
Delta R.T.: -0.021 min
Response: 3013960
Conc: 20.71 ug/ml

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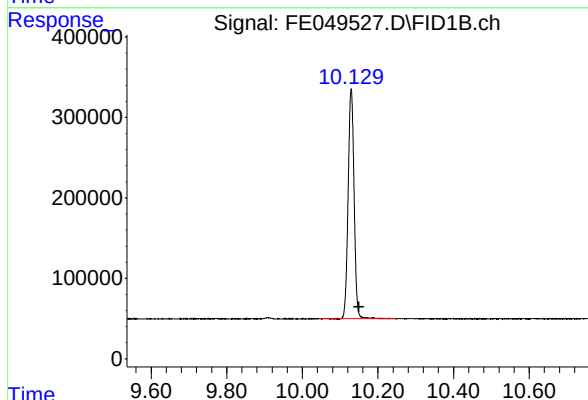
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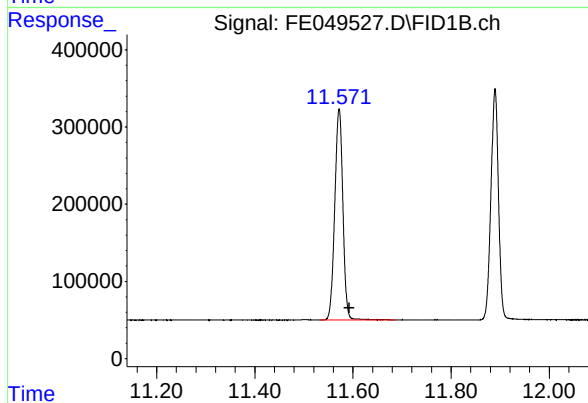
#6 n-Tetradecane (C14)

R.T.: 8.524 min
Delta R.T.: -0.019 min
Response: 3067676
Conc: 20.21 ug/ml



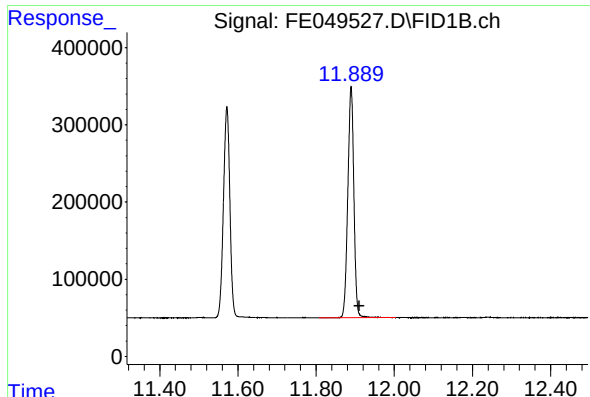
#7 n-Hexadecane (C16)

R.T.: 10.129 min
Delta R.T.: -0.021 min
Response: 3122312
Conc: 20.59 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.572 min
Delta R.T.: -0.021 min
Response: 3140914
Conc: 20.69 ug/ml



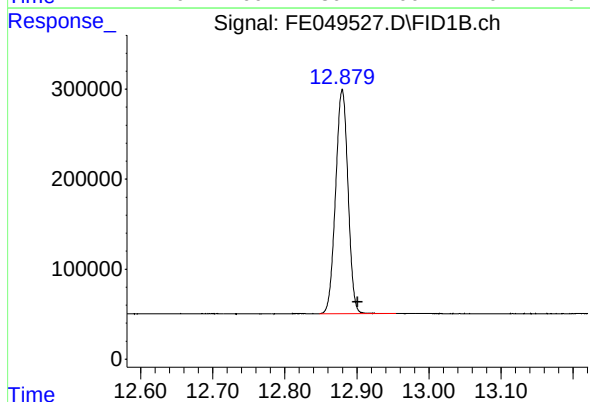
#9 ortho-Terphenyl (SURR)

R.T.: 11.889 min
Delta R.T.: -0.021 min
Response: 3213331
Conc: 20.72 ug/ml

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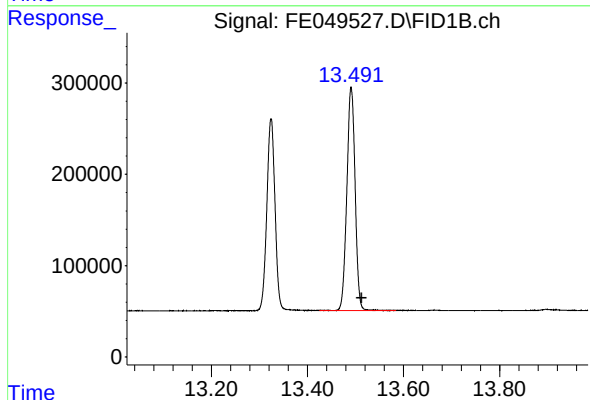
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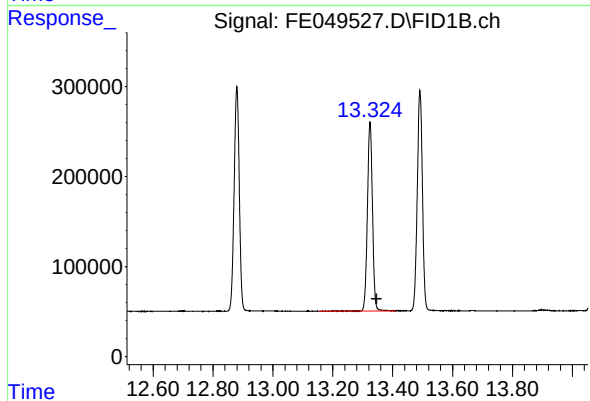
#10 n-Eicosane (C20)

R.T.: 12.880 min
Delta R.T.: -0.021 min
Response: 2983778
Conc: 20.63 ug/ml



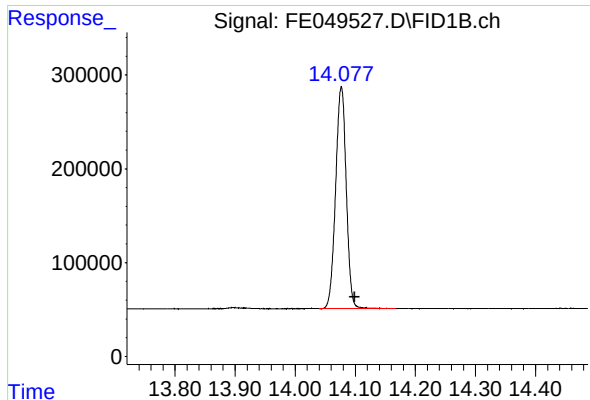
#11 n-Heneicosane (C21)

R.T.: 13.491 min
Delta R.T.: -0.022 min
Response: 2924481
Conc: 20.62 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.324 min
Delta R.T.: -0.022 min
Response: 2449199
Conc: 20.96 ug/ml



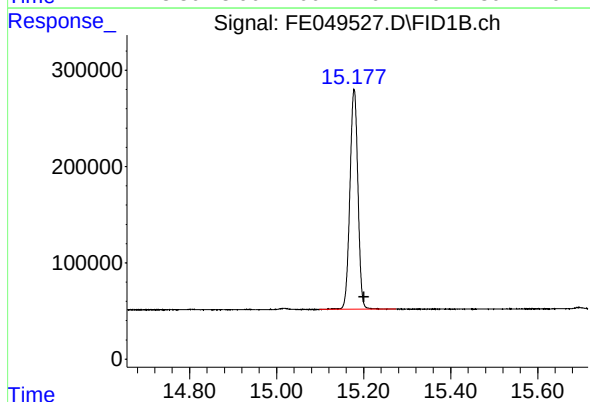
#13 n-Docosane (C22)

R.T.: 14.077 min
Delta R.T.: -0.022 min
Response: 2909346
Conc: 20.71 ug/ml

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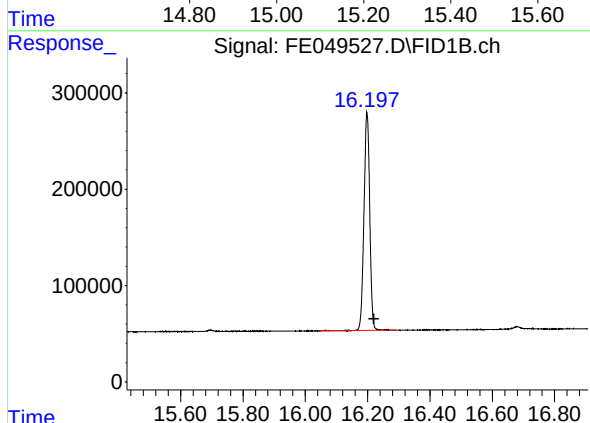
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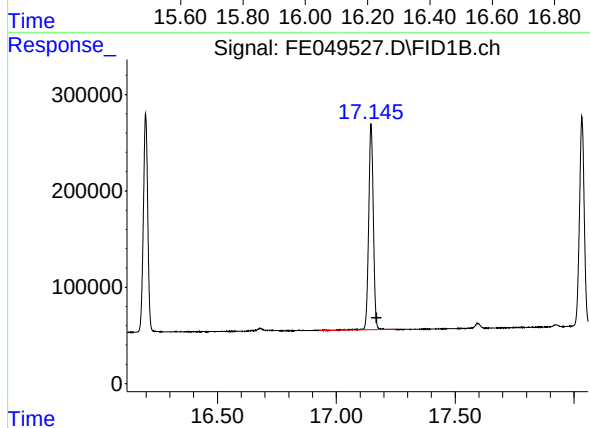
#14 n-Tetracosane (C24)

R.T.: 15.178 min
Delta R.T.: -0.022 min
Response: 2927160
Conc: 20.89 ug/ml



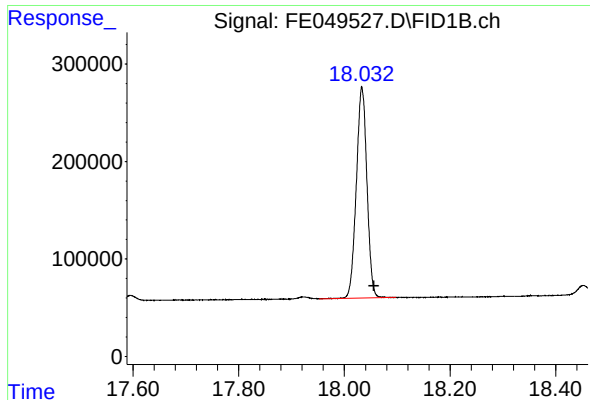
#15 n-Hexacosane (C26)

R.T.: 16.198 min
Delta R.T.: -0.023 min
Response: 2904127
Conc: 20.71 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.146 min
Delta R.T.: -0.024 min
Response: 2929241
Conc: 20.93 ug/ml



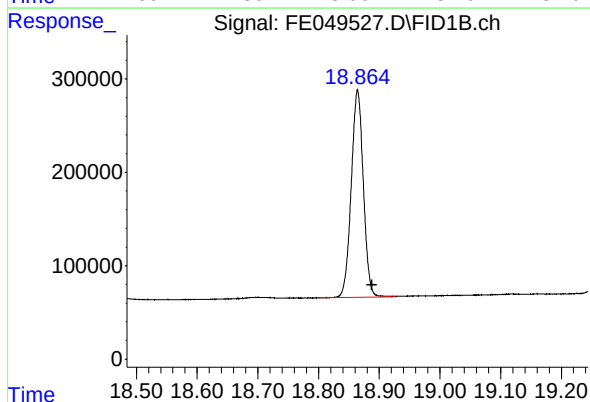
#17 n-Tricontane (C30)

R.T.: 18.033 min
Delta R.T.: -0.023 min
Response: 3022791
Conc: 20.72 ug/ml

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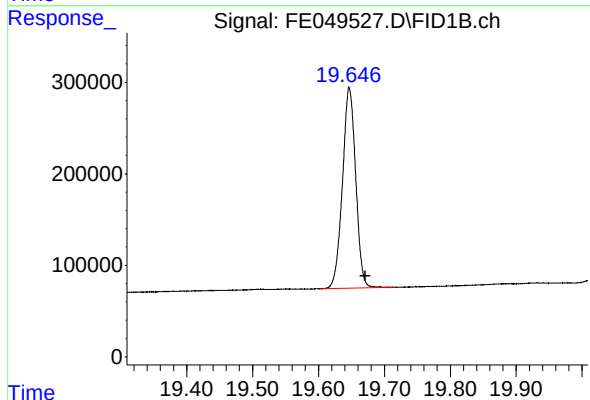
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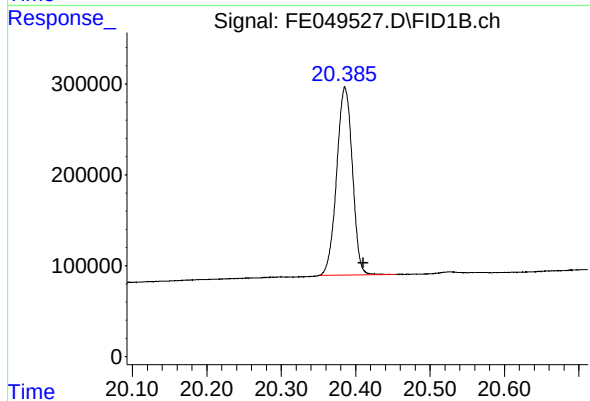
#18 n-Dotriacontane (C32)

R.T.: 18.864 min
Delta R.T.: -0.024 min
Response: 3079202
Conc: 20.94 ug/ml



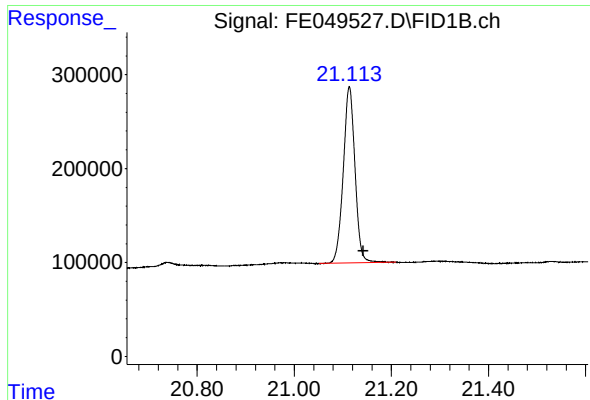
#19 n-Tetratriacontane (C34)

R.T.: 19.647 min
Delta R.T.: -0.024 min
Response: 3059994
Conc: 20.95 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.386 min
Delta R.T.: -0.025 min
Response: 3037532
Conc: 21.07 ug/ml



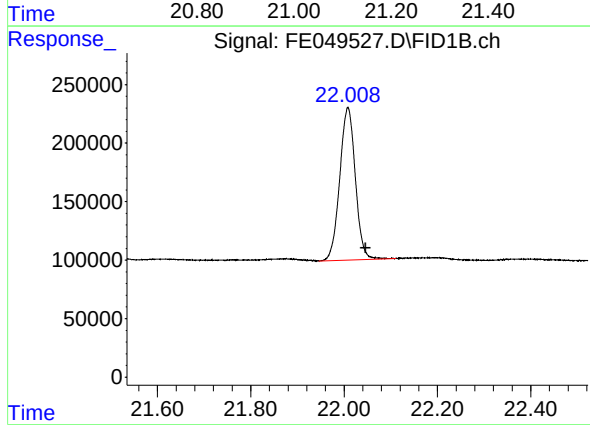
#21 n-Octatriacontane (C38)

R.T.: 21.113 min
Delta R.T.: -0.028 min
Response: 3149910
Conc: 21.04 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.008 min
Delta R.T.: -0.039 min
Response: 3026345
Conc: 20.05 ug/ml m