

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE122623AL\
 Data File : FE045962.D
 Signal(s) : FID1B.ch
 Acq On : 26 Dec 2023 13:48
 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 12/27/2023
 Supervised By :Ankita Jodhani 12/28/2023

Integration File: autoint1.e
 Quant Time: Dec 26 22:28:06 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 113023.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 30 12:25:07 2023
 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)	11.843	3982337	19.044 ug/ml
Spiked Amount 50.000		Recovery =	38.09%
12) S 1-chlorooctadecane (S...	13.286	2933794	18.646 ug/ml
Spiked Amount 50.000		Recovery =	37.29%
Target Compounds			
1) T n-Nonane (C9)	3.226	3310230	20.875 ug/ml
2) T n-Decane (C10)	4.478	3366862	21.025 ug/ml
3) T A~Naphthalene (C11.7)	6.180	3642549	20.911 ug/ml
4) T n-Dodecane (C12)	6.645	3411219	21.118 ug/ml
5) T A~2-methylnaphthalene...	7.276	3530713	20.791 ug/ml
6) T n-Tetradecane (C14)	8.472	3386648	21.111 ug/ml
7) T n-Hexadecane (C16)	10.083	3452764	20.851 ug/ml
8) T n-Octadecane (C18)	11.529	3443596	20.085 ug/ml
10) T n-Eicosane (C20)	12.841	3292139	19.027 ug/ml
11) T n-Heneicosane (C21)	13.454	3216850	18.699 ug/ml
13) T n-Docosane (C22)	14.041	3156498	18.307 ug/ml
14) T n-Tetracosane (C24)	15.148	3074997	17.614 ug/ml
15) T n-Hexacosane (C26)	16.172	3002573	17.241 ug/ml
16) T n-Octacosane (C28)	17.125	2988775	17.293 ug/ml
17) T n-Tricontane (C30)	18.018	3104385	17.745 ug/ml
18) T n-Dotriacontane (C32)	18.852	3154081	17.289 ug/mlm
19) T n-Tetratriacontane (C34)	19.641	3077427	18.546 ug/ml
20) T n-Hexatriacontane (C36)	20.387	3074536	19.369 ug/ml
21) T n-Octatriacontane (C38)	21.120	3304058	21.069 ug/mlm
22) T n-Tetracontane (C40)	22.031	3353135	23.595 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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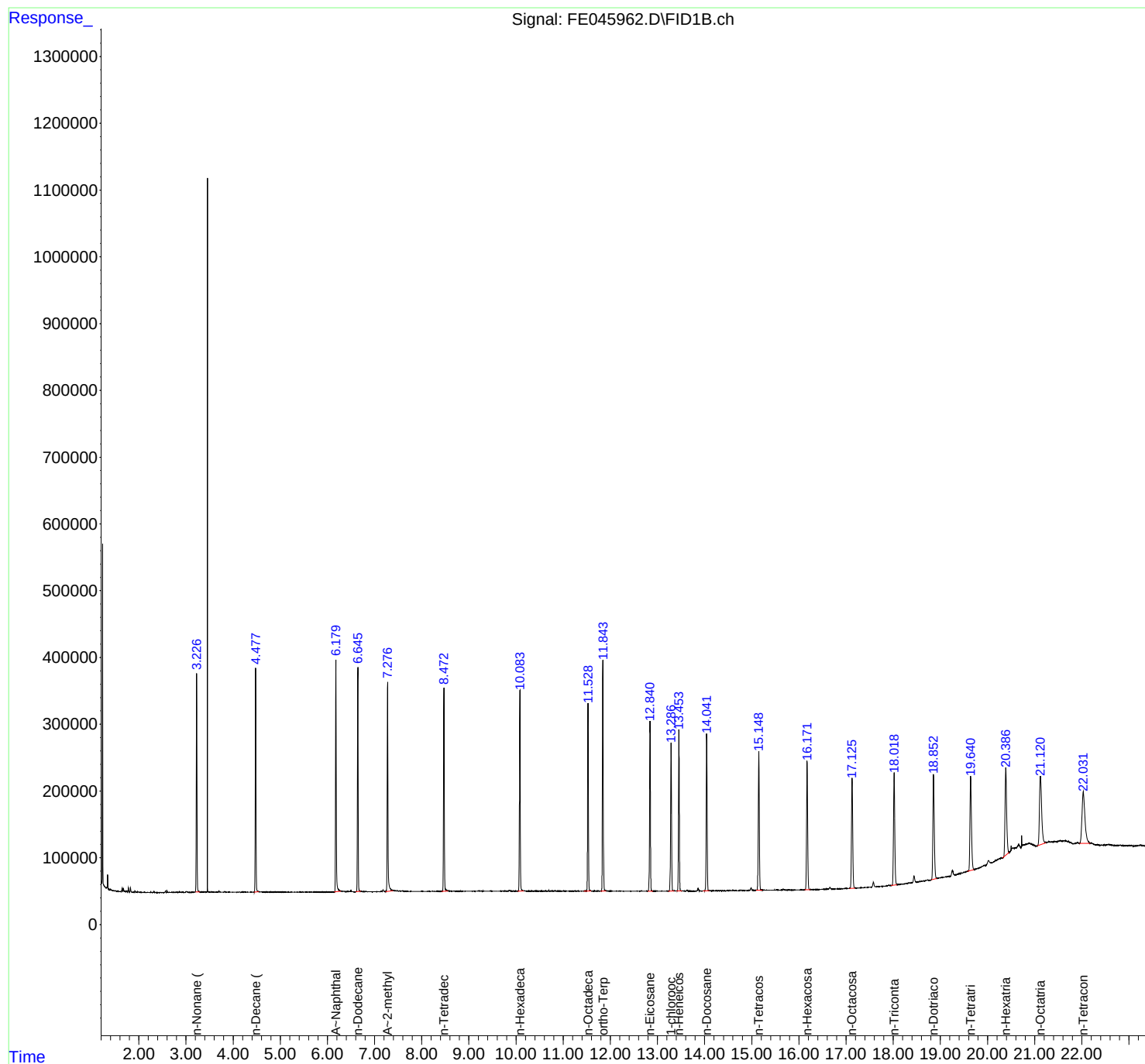
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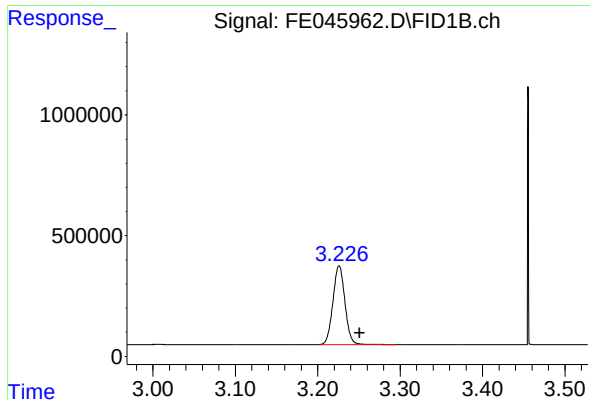
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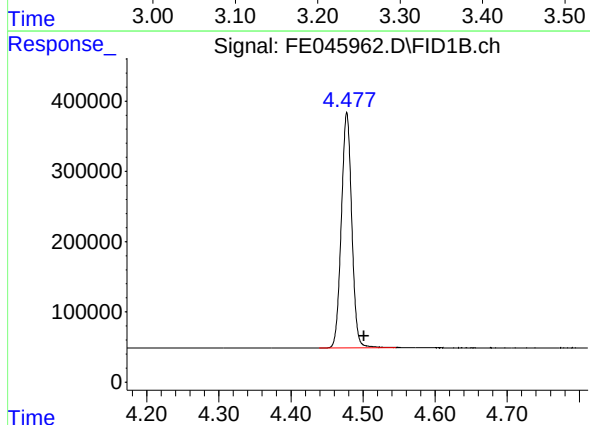
#1 n-Nonane (C9)

R.T.: 3.226 min
Delta R.T.: -0.025 min
Response: 3310230
Conc: 20.87 ug/ml

Instrument :
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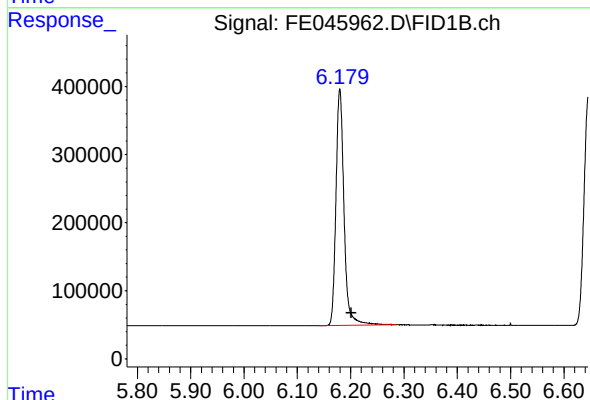
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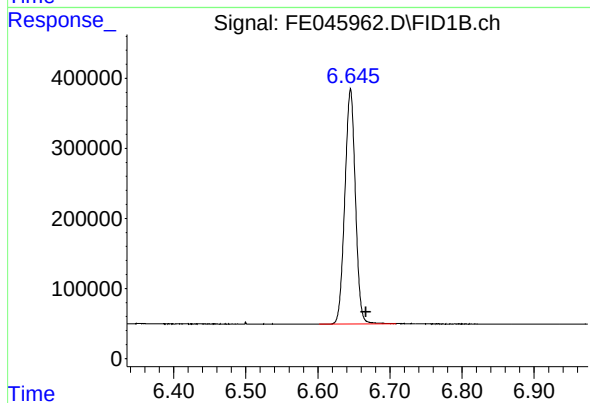
#2 n-Decane (C10)

R.T.: 4.478 min
Delta R.T.: -0.024 min
Response: 3366862
Conc: 21.03 ug/ml



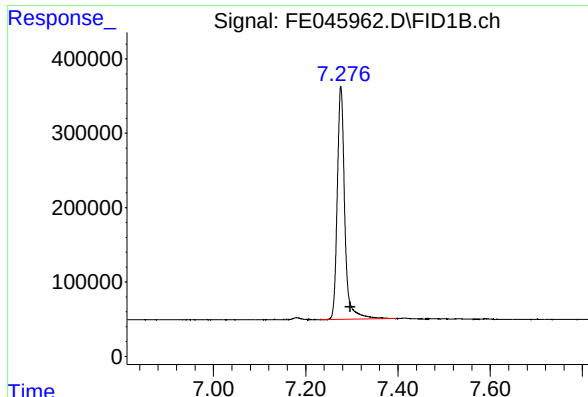
#3 A~Naphthalene (C11.7)

R.T.: 6.180 min
Delta R.T.: -0.022 min
Response: 3642549
Conc: 20.91 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.645 min
Delta R.T.: -0.022 min
Response: 3411219
Conc: 21.12 ug/ml



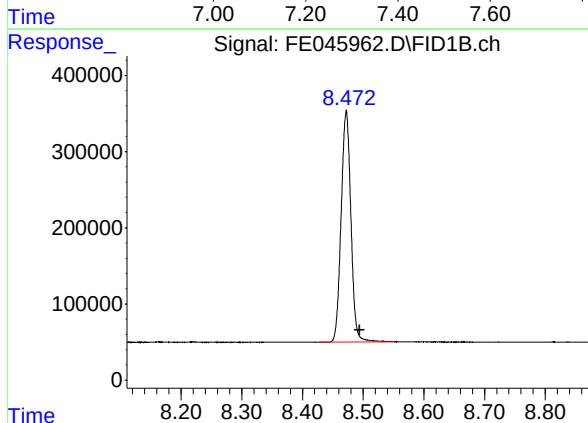
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.276 min
Delta R.T.: -0.021 min
Response: 3530713
Conc: 20.79 ug/ml

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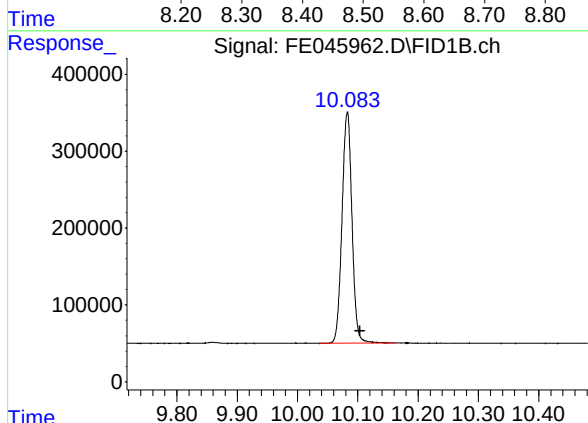
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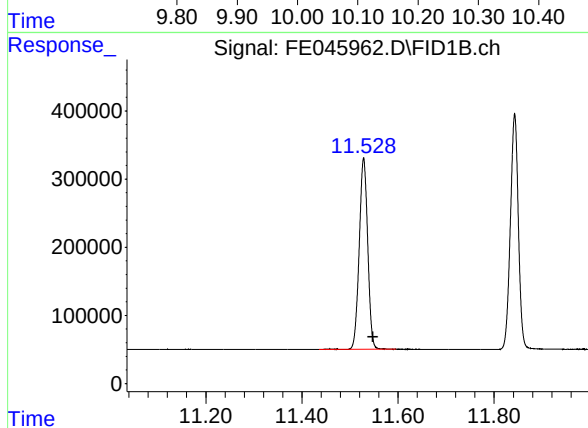
#6 n-Tetradecane (C14)

R.T.: 8.472 min
Delta R.T.: -0.022 min
Response: 3386648
Conc: 21.11 ug/ml



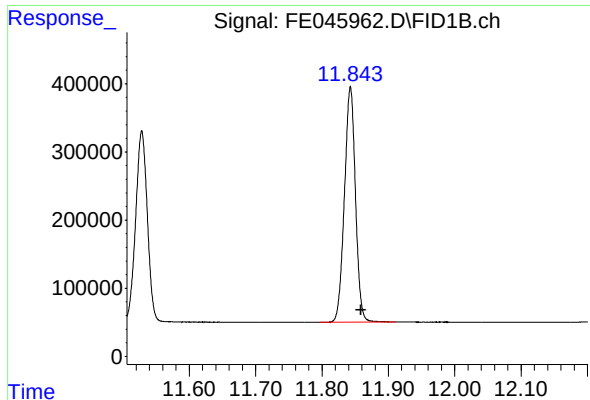
#7 n-Hexadecane (C16)

R.T.: 10.083 min
Delta R.T.: -0.021 min
Response: 3452764
Conc: 20.85 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.529 min
Delta R.T.: -0.019 min
Response: 3443596
Conc: 20.09 ug/ml



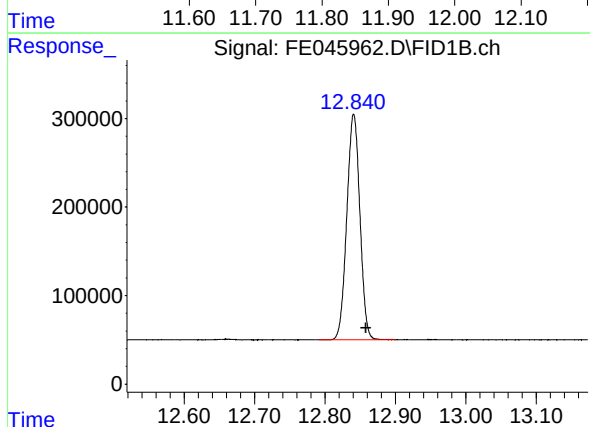
#9 ortho-Terphenyl (SURR)

R.T.: 11.843 min
Delta R.T.: -0.016 min
Response: 3982337
Conc: 19.04 ug/ml

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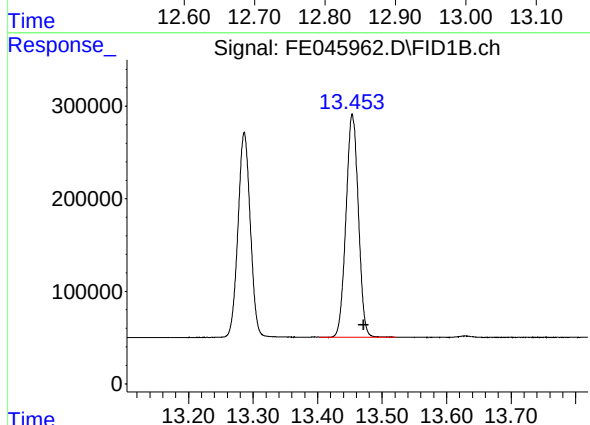
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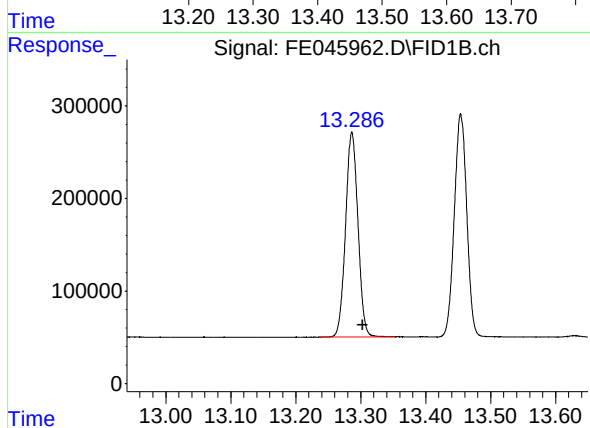
#10 n-Eicosane (C20)

R.T.: 12.841 min
Delta R.T.: -0.017 min
Response: 3292139
Conc: 19.03 ug/ml



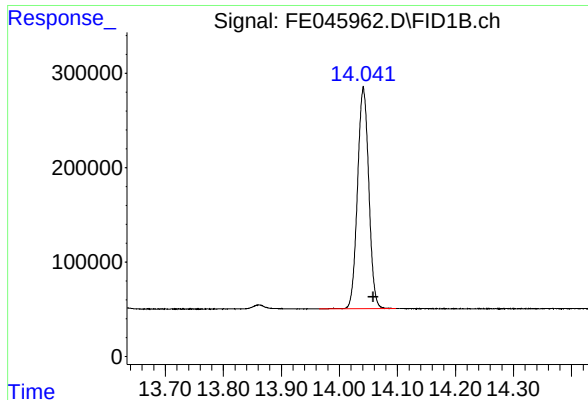
#11 n-Heneicosane (C21)

R.T.: 13.454 min
Delta R.T.: -0.017 min
Response: 3216850
Conc: 18.70 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.286 min
Delta R.T.: -0.016 min
Response: 2933794
Conc: 18.65 ug/ml



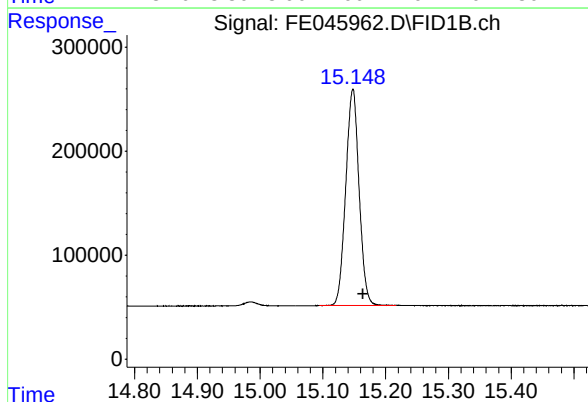
#13 n-Docosane (C22)

R.T.: 14.041 min
Delta R.T.: -0.017 min
Response: 3156498
Conc: 18.31 ug/ml

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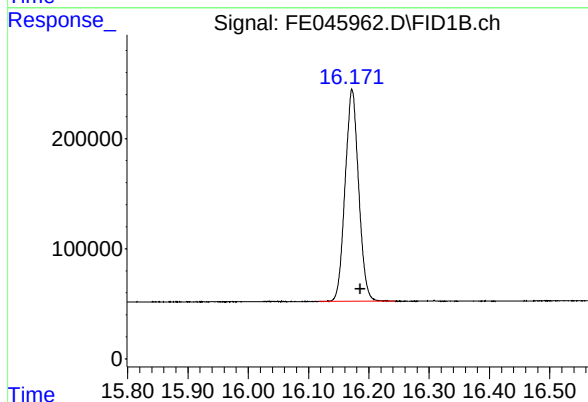
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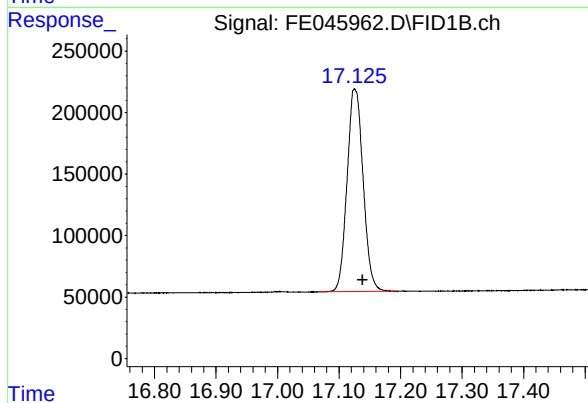
#14 n-Tetracosane (C24)

R.T.: 15.148 min
Delta R.T.: -0.016 min
Response: 3074997
Conc: 17.61 ug/ml



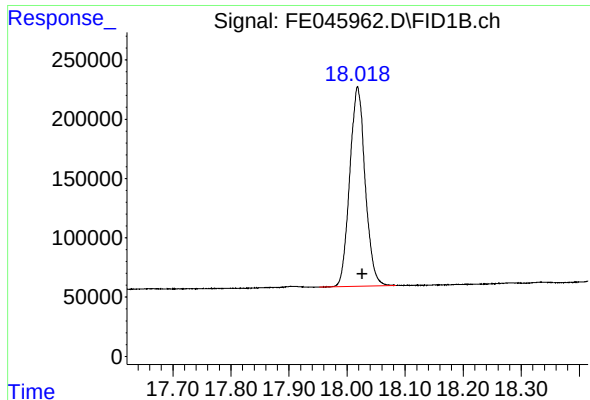
#15 n-Hexacosane (C26)

R.T.: 16.172 min
Delta R.T.: -0.014 min
Response: 3002573
Conc: 17.24 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.125 min
Delta R.T.: -0.013 min
Response: 2988775
Conc: 17.29 ug/ml



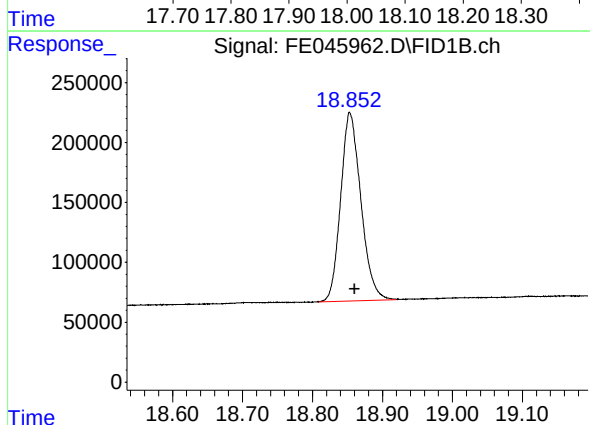
#17 n-Tricontane (C30)

R.T.: 18.018 min
Delta R.T.: -0.008 min
Response: 3104385
Conc: 17.74 ug/ml

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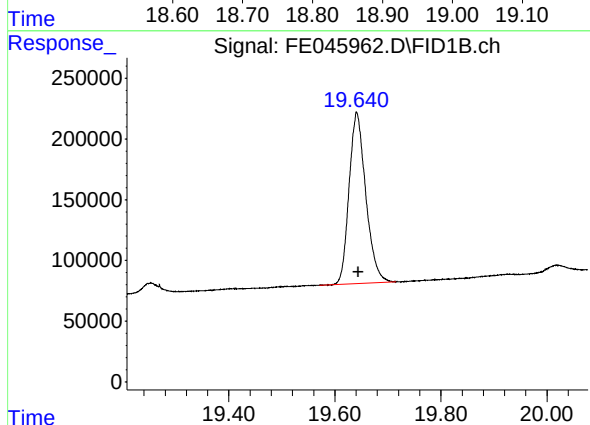
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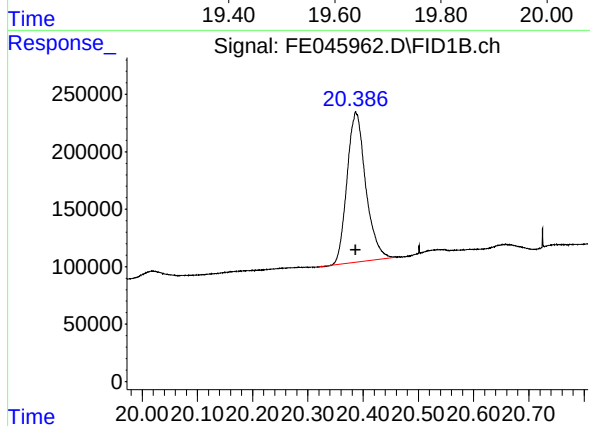
#18 n-Dotriacontane (C32)

R.T.: 18.852 min
Delta R.T.: -0.008 min
Response: 3154081
Conc: 17.29 ug/ml



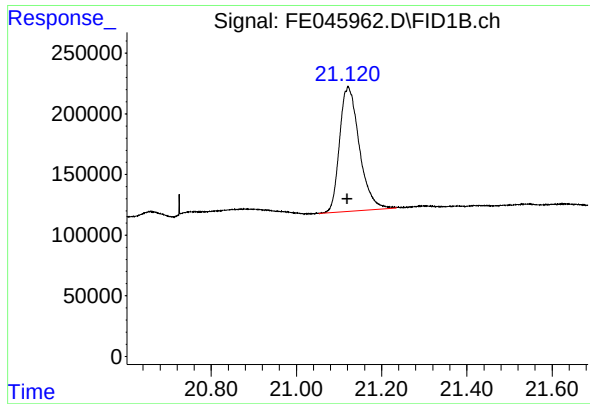
#19 n-Tetratriacontane (C34)

R.T.: 19.641 min
Delta R.T.: -0.003 min
Response: 3077427
Conc: 18.55 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.387 min
Delta R.T.: 0.000 min
Response: 3074536
Conc: 19.37 ug/ml



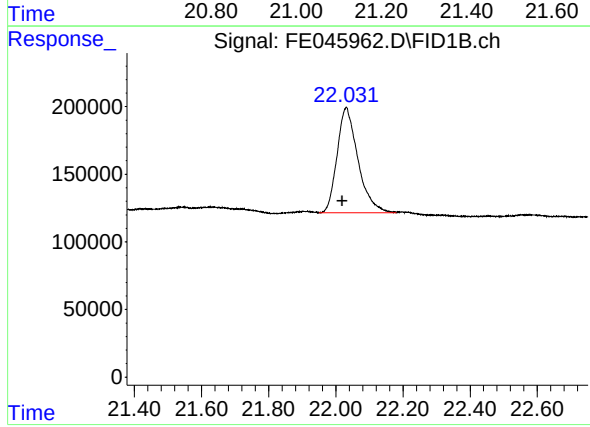
#21 n-Octatriacontane (C38)

R.T.: 21.120 min
Delta R.T.: 0.001 min
Response: 3304058
Conc: 21.07 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.031 min
Delta R.T.: 0.012 min
Response: 3353135
Conc: 23.59 ug/ml m