

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082124AL\
 Data File : FE049687.D
 Signal(s) : FID1B.ch
 Acq On : 21 Aug 2024 11:25
 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 08/22/2024
 Supervised By :Ankita Jodhani 08/22/2024

Integration File: autoint1.e
 Quant Time: Aug 22 01:10:15 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 081424.M
 Quant Title : GC Extractables
 QLast Update : Wed Aug 14 11:05:17 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)	11.886	2943472	18.202 ug/ml
Spiked Amount 50.000		Recovery =	36.40%
12) S 1-chlorooctadecane (S...	13.322	2238842	18.350 ug/ml
Spiked Amount 50.000		Recovery =	36.70%
Target Compounds			
1) T n-Nonane (C9)	3.275	2562739	16.560 ug/ml
2) T n-Decane (C10)	4.526	2736139	17.329 ug/ml
3) T A~Naphthalene (C11.7)	6.233	2815367	17.546 ug/ml
4) T n-Dodecane (C12)	6.693	2783590	17.706 ug/ml
5) T A~2-methylnaphthalene...	7.329	2686554	17.940 ug/ml
6) T n-Tetradecane (C14)	8.520	2737515	17.732 ug/ml
7) T n-Hexadecane (C16)	10.126	2815266	18.026 ug/mlm
8) T n-Octadecane (C18)	11.568	2844184	18.110 ug/ml
10) T n-Eicosane (C20)	12.877	2722344	18.233 ug/ml
11) T n-Heneicosane (C21)	13.487	2673830	18.227 ug/ml
13) T n-Docosane (C22)	14.073	2654595	18.213 ug/ml
14) T n-Tetracosane (C24)	15.175	2669078	18.348 ug/ml
15) T n-Hexacosane (C26)	16.195	2633596	18.248 ug/ml
16) T n-Octacosane (C28)	17.144	2731172	18.961 ug/ml
17) T n-Tricontane (C30)	18.030	2988670	19.964 ug/ml
18) T n-Dotriacontane (C32)	18.862	3120978	20.630 ug/ml
19) T n-Tetratriacontane (C34)	19.645	3107147	20.324 ug/ml
20) T n-Hexatriacontane (C36)	20.384	2997718	19.741 ug/ml
21) T n-Octatriacontane (C38)	21.112	2937164	18.714 ug/ml
22) T n-Tetracontane (C40)	22.008	2778274	18.197 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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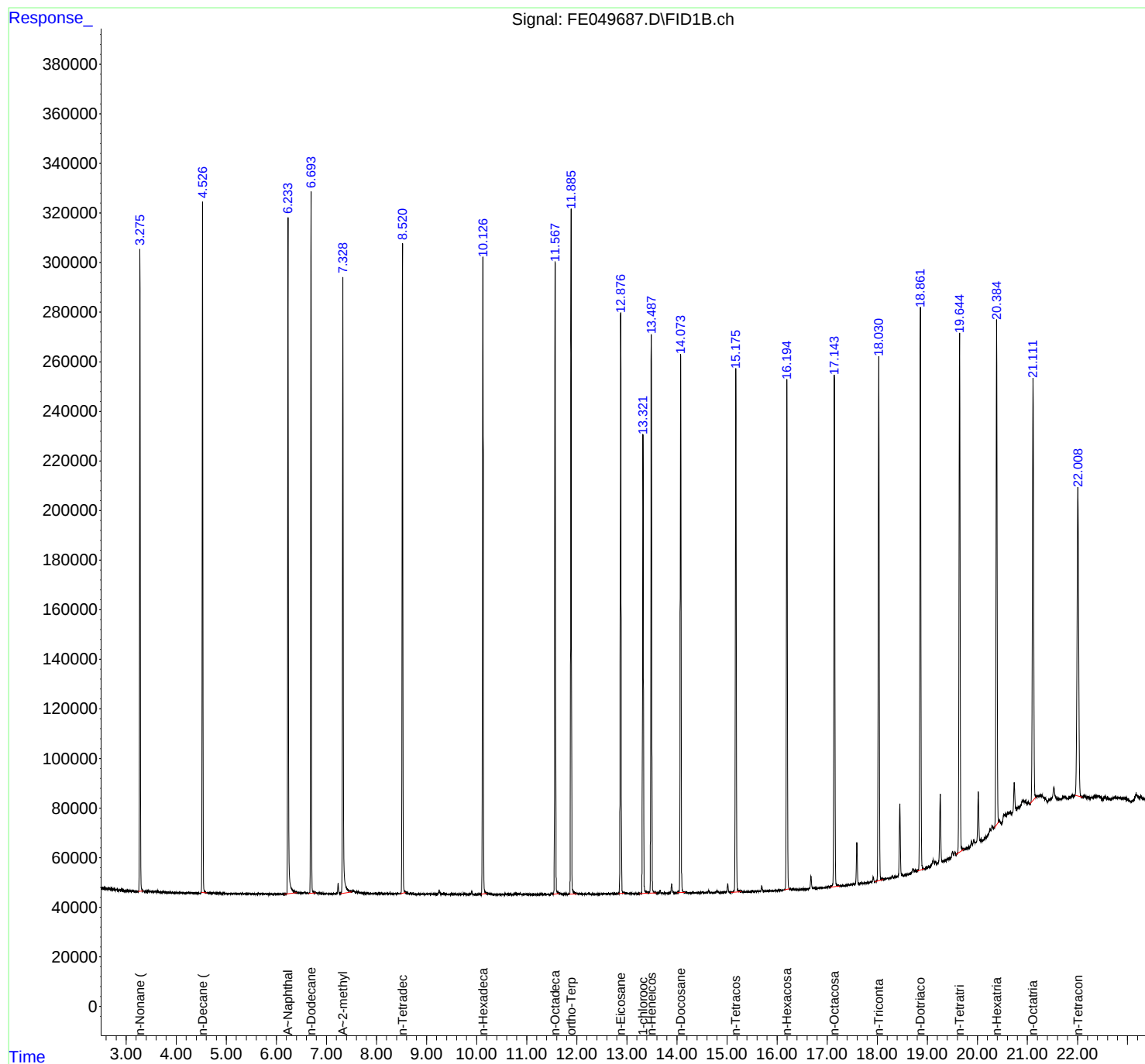
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20 PPM ALIPHATIC HC STD

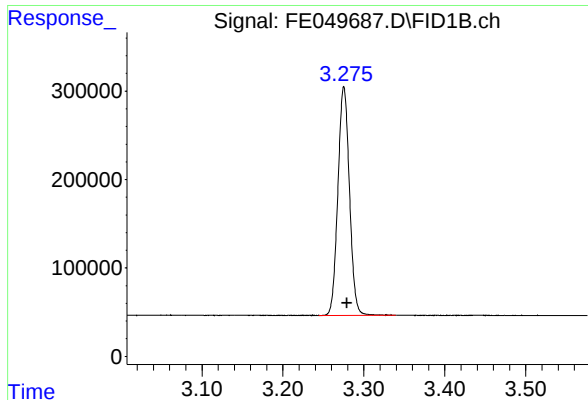
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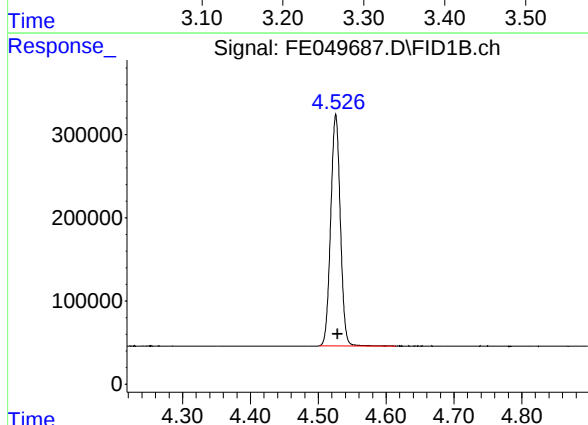
#1 n-Nonane (C9)

R.T.: 3.275 min
Delta R.T.: -0.004 min
Response: 2562739
Conc: 16.56 ug/ml

Instrument : FID_E
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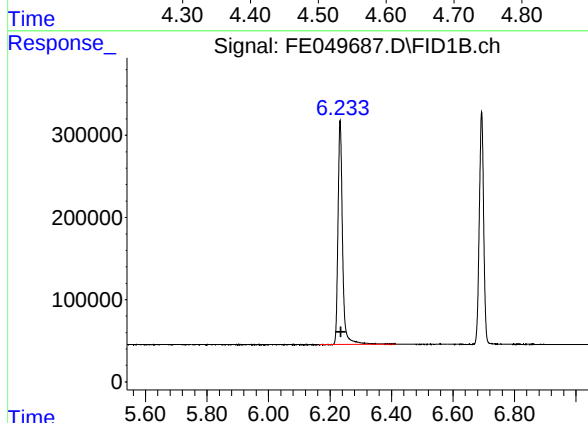
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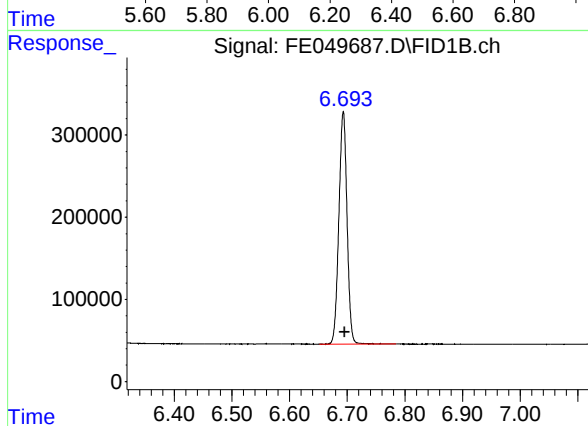
#2 n-Decane (C10)

R.T.: 4.526 min
Delta R.T.: -0.003 min
Response: 2736139
Conc: 17.33 ug/ml



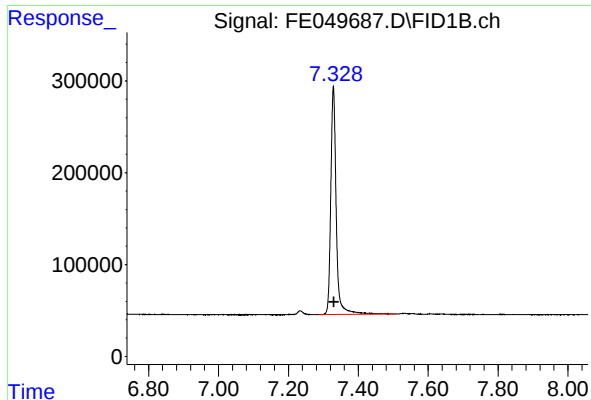
#3 A~Naphthalene (C11.7)

R.T.: 6.233 min
Delta R.T.: -0.002 min
Response: 2815367
Conc: 17.55 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.693 min
Delta R.T.: -0.003 min
Response: 2783590
Conc: 17.71 ug/ml



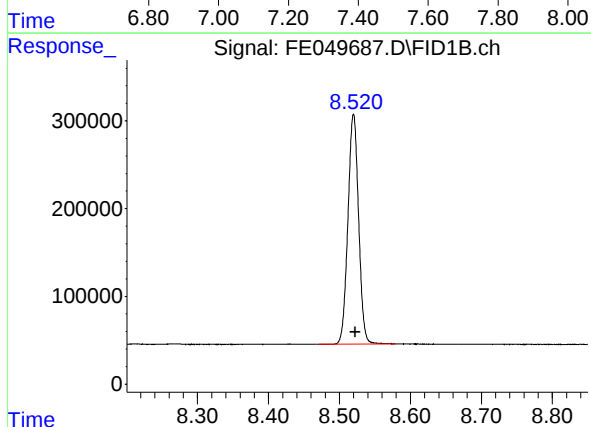
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.329 min
Delta R.T.: -0.002 min
Response: 2686554
Conc: 17.94 ug/ml

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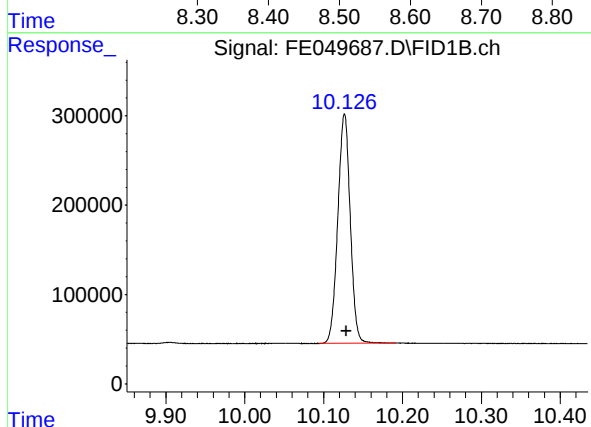
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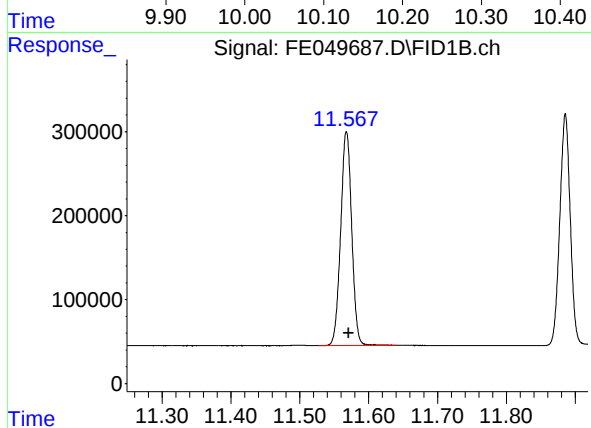
#6 n-Tetradecane (C14)

R.T.: 8.520 min
Delta R.T.: -0.003 min
Response: 2737515
Conc: 17.73 ug/ml



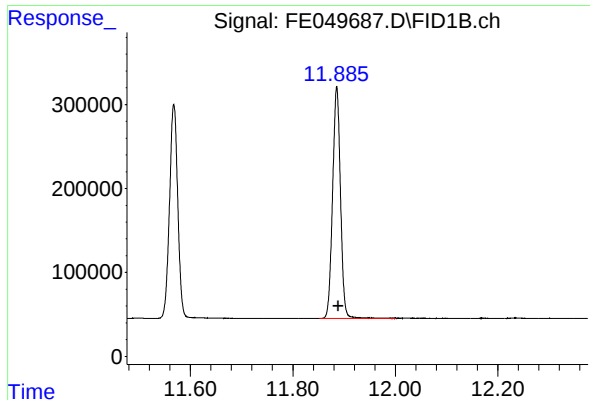
#7 n-Hexadecane (C16)

R.T.: 10.126 min
Delta R.T.: -0.003 min
Response: 2815266
Conc: 18.03 ug/ml m



#8 n-Octadecane (C18)

R.T.: 11.568 min
Delta R.T.: -0.003 min
Response: 2844184
Conc: 18.11 ug/ml



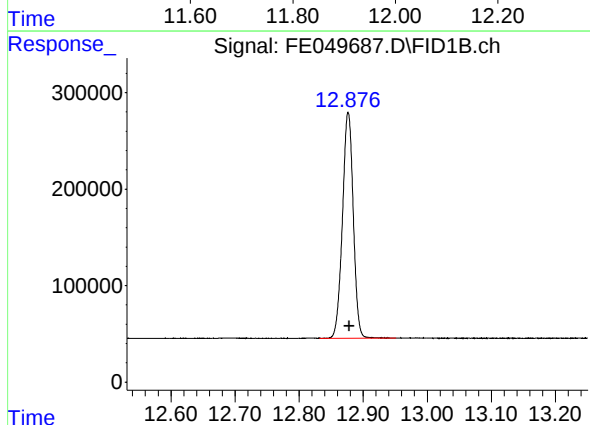
#9 ortho-Terphenyl (SURR)

R.T.: 11.886 min
Delta R.T.: -0.003 min
Response: 2943472
Conc: 18.20 ug/ml

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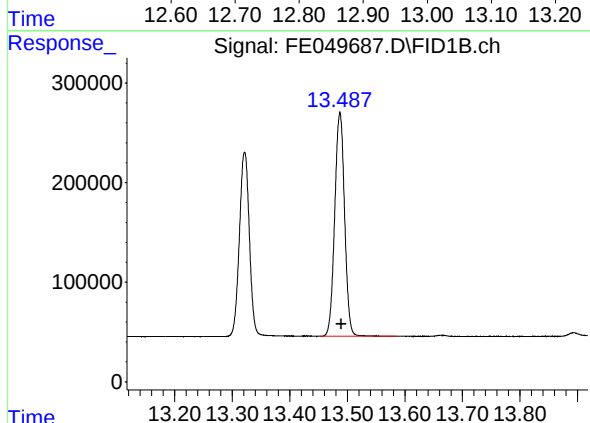
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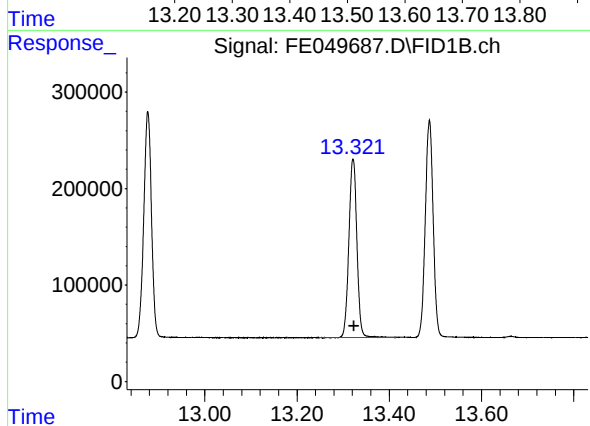
#10 n-Eicosane (C20)

R.T.: 12.877 min
Delta R.T.: -0.002 min
Response: 2722344
Conc: 18.23 ug/ml



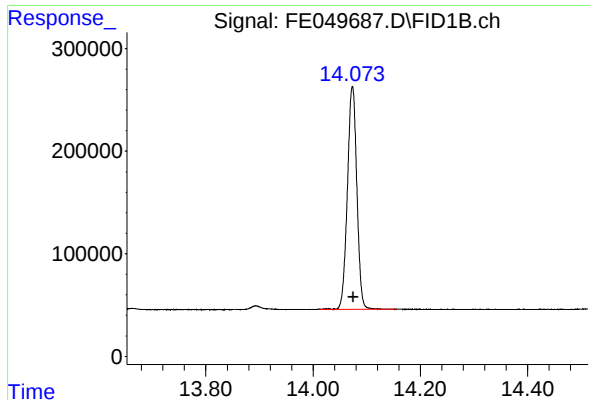
#11 n-Heneicosane (C21)

R.T.: 13.487 min
Delta R.T.: -0.003 min
Response: 2673830
Conc: 18.23 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.322 min
Delta R.T.: -0.002 min
Response: 2238842
Conc: 18.35 ug/ml



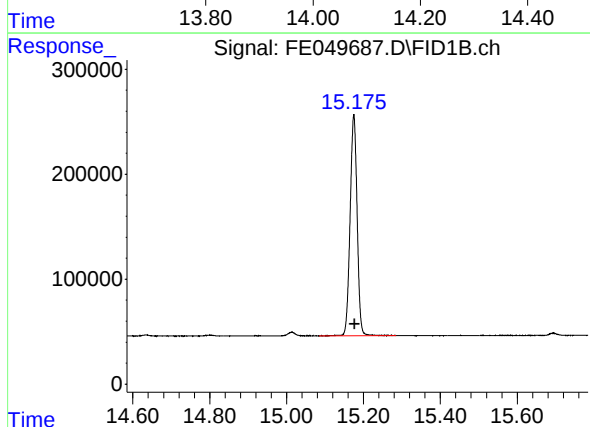
#13 n-Docosane (C22)

R.T.: 14.073 min
Delta R.T.: -0.002 min
Response: 2654595
Conc: 18.21 ug/ml

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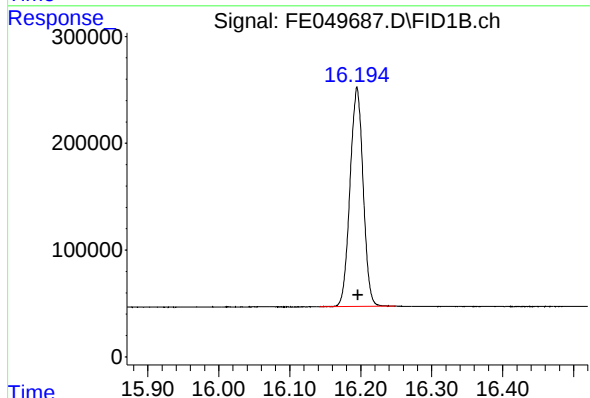
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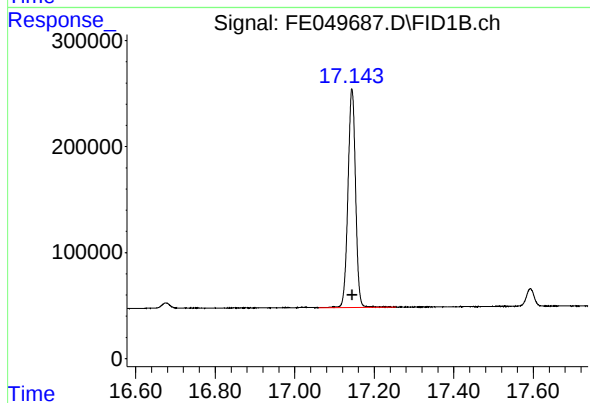
#14 n-Tetracosane (C24)

R.T.: 15.175 min
Delta R.T.: -0.002 min
Response: 2669078
Conc: 18.35 ug/ml



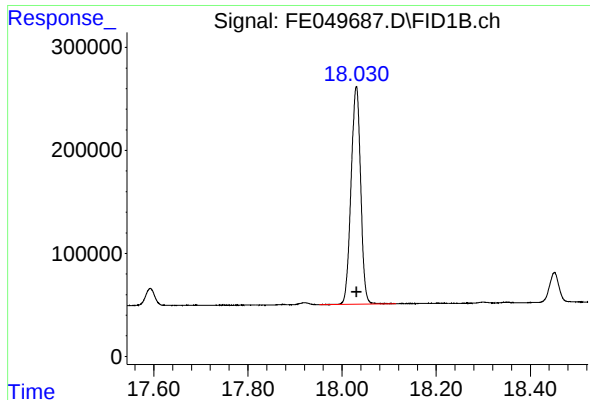
#15 n-Hexacosane (C26)

R.T.: 16.195 min
Delta R.T.: -0.002 min
Response: 2633596
Conc: 18.25 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.144 min
Delta R.T.: 0.000 min
Response: 2731172
Conc: 18.96 ug/ml



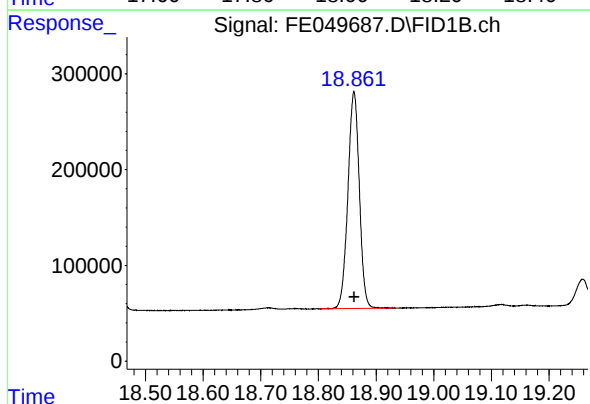
#17 n-Tricontane (C30)

R.T.: 18.030 min
Delta R.T.: 0.000 min
Response: 2988670
Conc: 19.96 ug/ml

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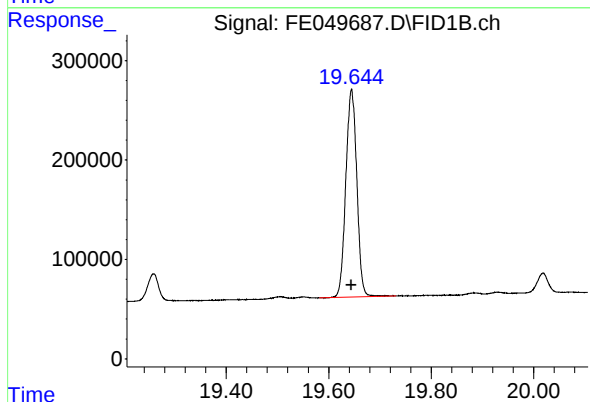
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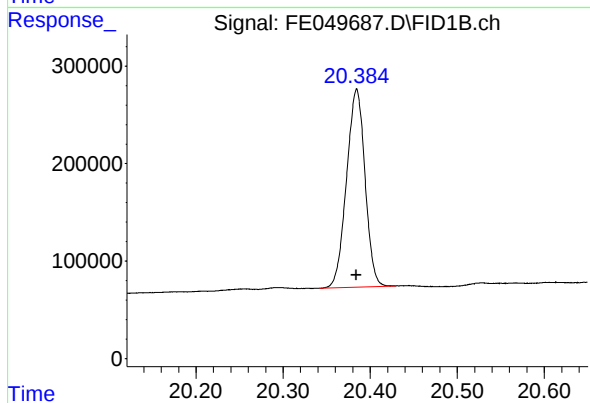
#18 n-Dotriacontane (C32)

R.T.: 18.862 min
Delta R.T.: 0.000 min
Response: 3120978
Conc: 20.63 ug/ml



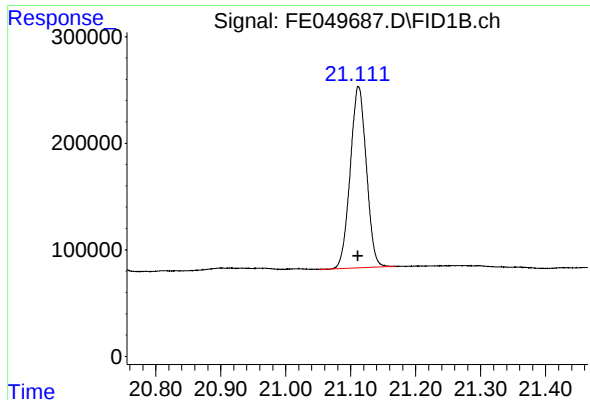
#19 n-Tetatriacontane (C34)

R.T.: 19.645 min
Delta R.T.: 0.000 min
Response: 3107147
Conc: 20.32 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.384 min
Delta R.T.: 0.000 min
Response: 2997718
Conc: 19.74 ug/ml



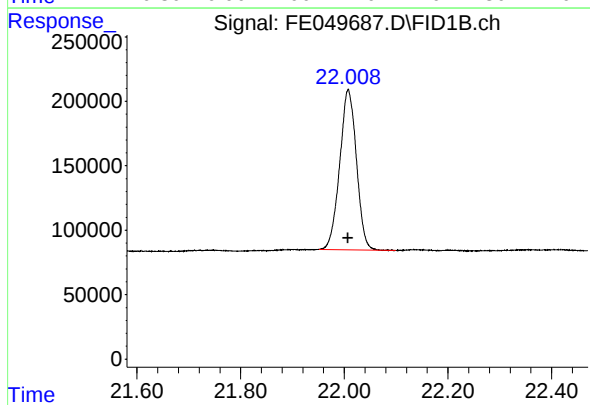
#21 n-Octatriacontane (C38)

R.T.: 21.112 min
Delta R.T.: 0.000 min
Response: 2937164
Conc: 18.71 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.008 min
Delta R.T.: 0.000 min
Response: 2778274
Conc: 18.20 ug/ml