

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE121824AL\
 Data File : FE051676.D
 Signal(s) : FID1B.ch
 Acq On : 18 Dec 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 12/19/2024
 Supervised By :Ankita Jodhani 12/19/2024

Integration File: autoint1.e
 Quant Time: Dec 19 01:08:15 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 121724.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 17 15:04:25 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)	12.004	3192174	19.884 ug/ml
Spiked Amount 50.000		Recovery =	39.77%
12) S 1-chlorooctadecane (S...	13.424	2461328	19.511 ug/ml
Spiked Amount 50.000		Recovery =	39.02%
Target Compounds			
1) T n-Nonane (C9)	3.483	2443622	20.394 ug/ml
2) T n-Decane (C10)	4.714	2538369	20.416 ug/ml
3) T A~Naphthalene (C11.7)	6.399	2891200	20.289 ug/ml
4) T n-Dodecane (C12)	6.848	2645607	20.332 ug/ml
5) T A~2-methylnaphthalene...	7.481	2865499	20.248 ug/ml
6) T n-Tetradecane (C14)	8.657	2700759	20.143 ug/ml
7) T n-Hexadecane (C16)	10.251	2859885	20.012 ug/ml
8) T n-Octadecane (C18)	11.682	2938142	19.931 ug/ml
10) T n-Eicosane (C20)	12.982	2854439	19.841 ug/ml
11) T n-Heneicosane (C21)	13.589	2809166	19.768 ug/ml
13) T n-Docosane (C22)	14.170	2797025	19.840 ug/ml
14) T n-Tetracosane (C24)	15.264	2784766	19.959 ug/ml
15) T n-Hexacosane (C26)	16.277	2698431	20.027 ug/ml
16) T n-Octacosane (C28)	17.219	2605282	20.027 ug/ml
17) T n-Tricontane (C30)	18.099	2619560	19.793 ug/ml
18) T n-Dotriacontane (C32)	18.925	2489743	19.860 ug/ml
19) T n-Tetratriacontane (C34)	19.702	2166889	19.695 ug/ml
20) T n-Hexatriacontane (C36)	20.435	1874949	19.528 ug/ml
21) T n-Octatriacontane (C38)	21.170	1784186	19.814 ug/ml
22) T n-Tetracontane (C40)	22.087	1846629	18.919 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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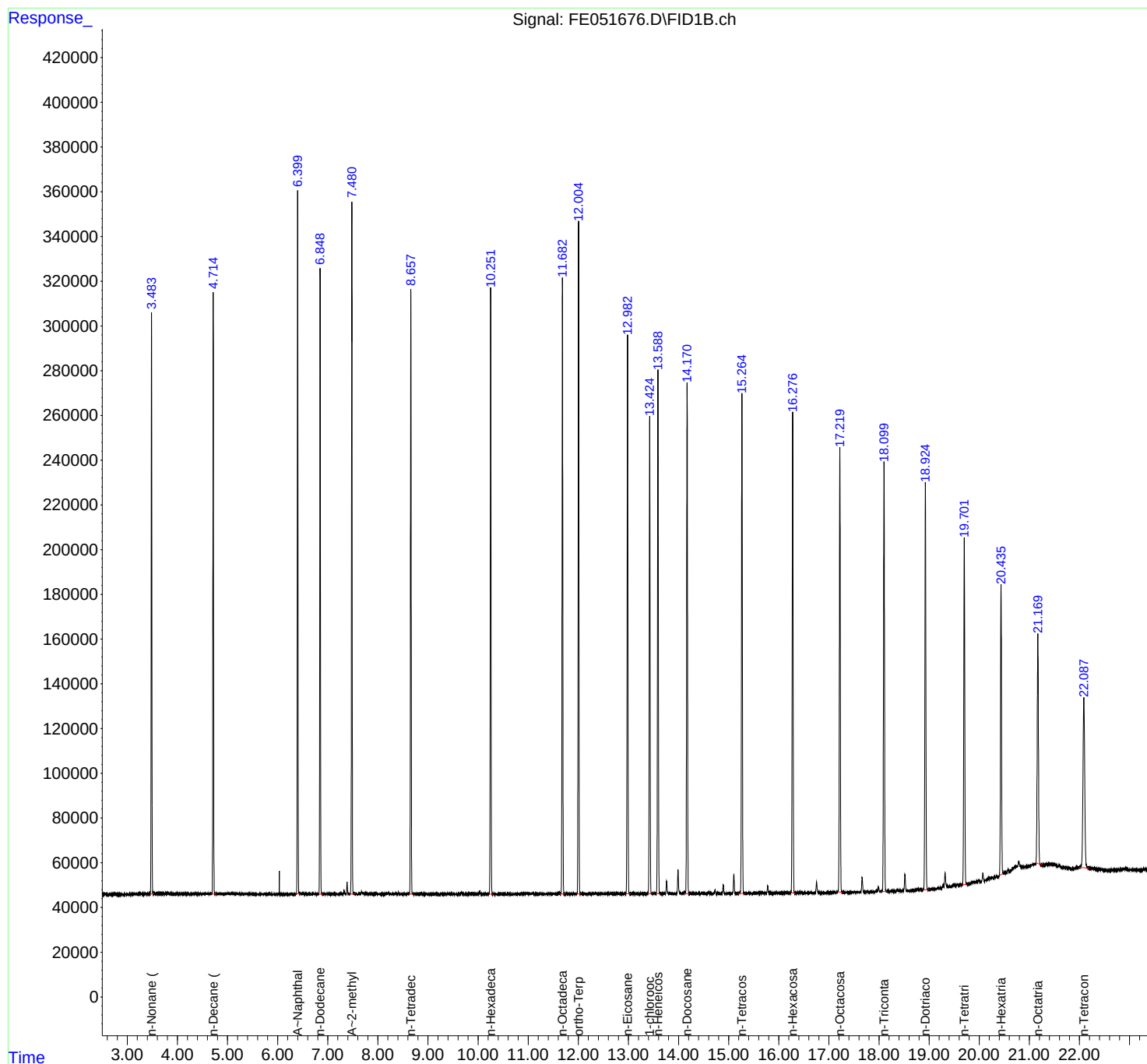
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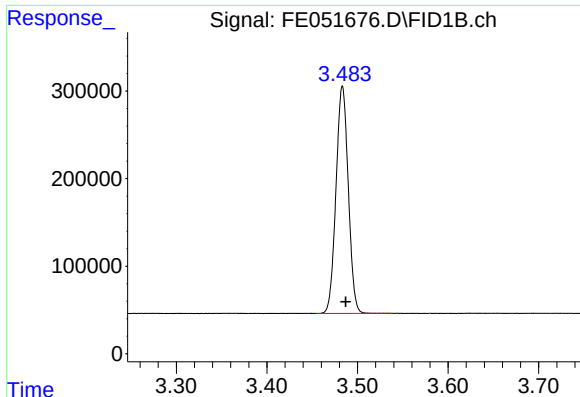
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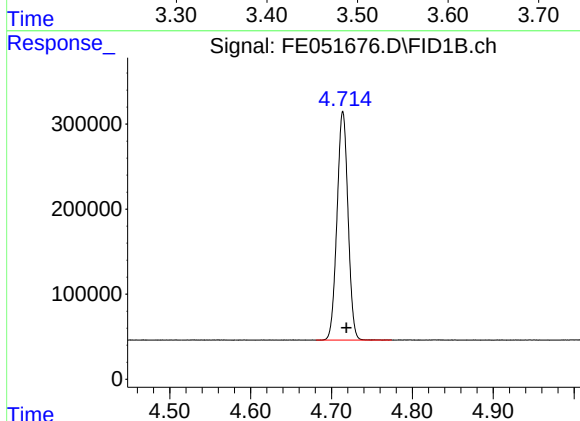
#1 n-Nonane (C9)

R.T.: 3.483 min
Delta R.T.: -0.004 min
Response: 2443622
Conc: 20.39 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

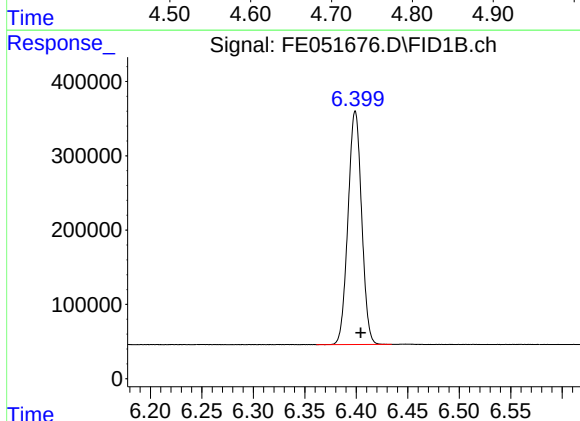
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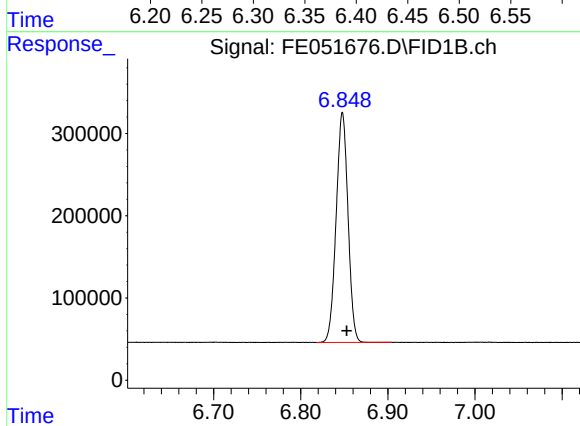
#2 n-Decane (C10)

R.T.: 4.714 min
Delta R.T.: -0.004 min
Response: 2538369
Conc: 20.42 ug/ml



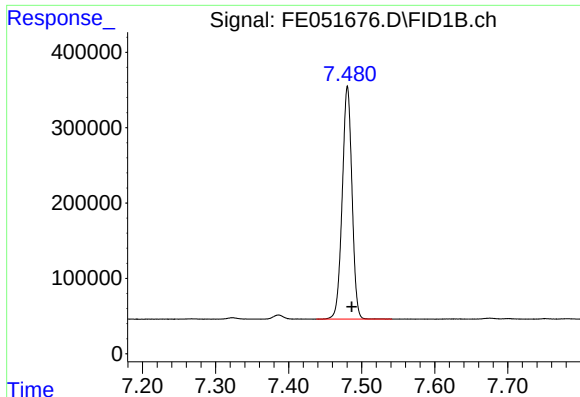
#3 A~Naphthalene (C11.7)

R.T.: 6.399 min
Delta R.T.: -0.005 min
Response: 2891200
Conc: 20.29 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.848 min
Delta R.T.: -0.005 min
Response: 2645607
Conc: 20.33 ug/ml



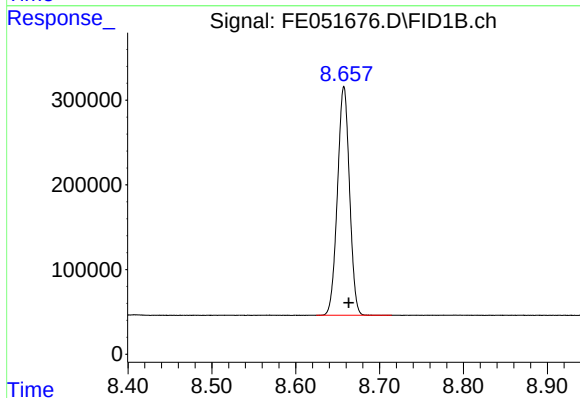
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.481 min
Delta R.T.: -0.006 min
Response: 2865499
Conc: 20.25 ug/ml

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20 PPM ALIPHATIC HC STD

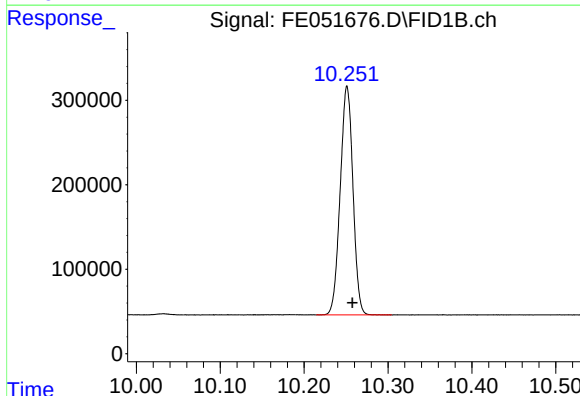
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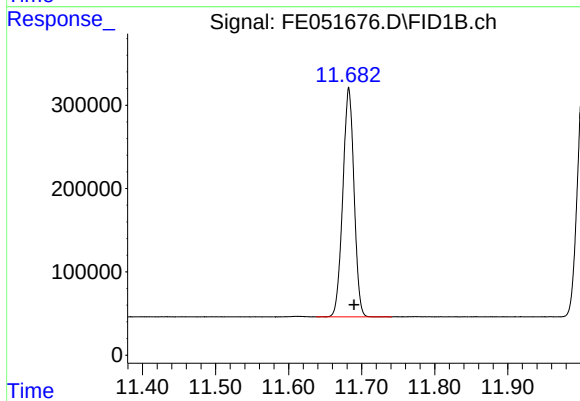
#6 n-Tetradecane (C14)

R.T.: 8.657 min
Delta R.T.: -0.006 min
Response: 2700759
Conc: 20.14 ug/ml



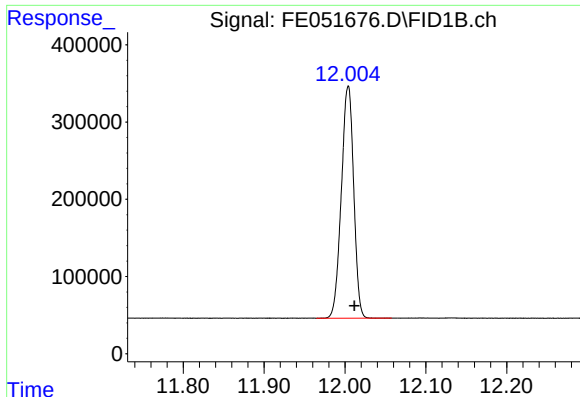
#7 n-Hexadecane (C16)

R.T.: 10.251 min
Delta R.T.: -0.006 min
Response: 2859885
Conc: 20.01 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.682 min
Delta R.T.: -0.007 min
Response: 2938142
Conc: 19.93 ug/ml



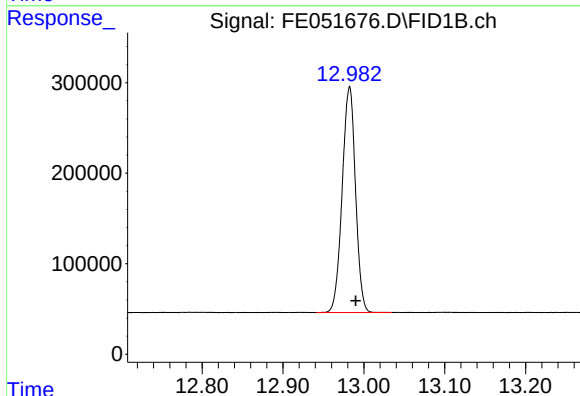
#9 ortho-Terphenyl (SURR)

R.T.: 12.004 min
Delta R.T.: -0.008 min
Response: 3192174
Conc: 19.88 ug/ml

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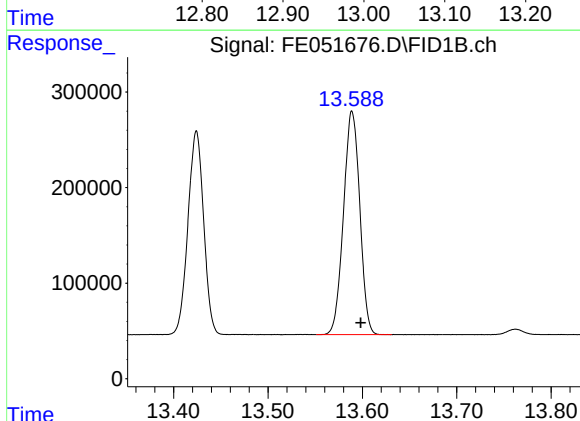
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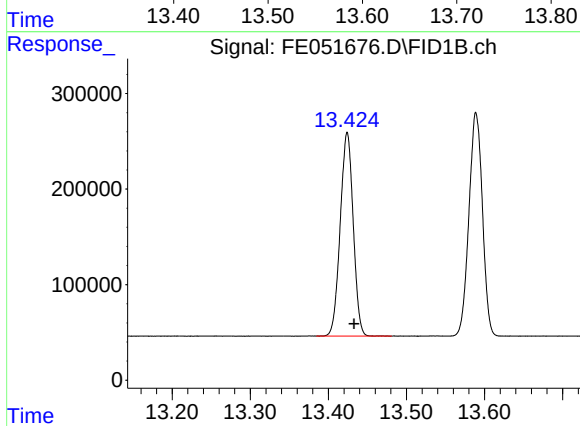
#10 n-Eicosane (C20)

R.T.: 12.982 min
Delta R.T.: -0.008 min
Response: 2854439
Conc: 19.84 ug/ml



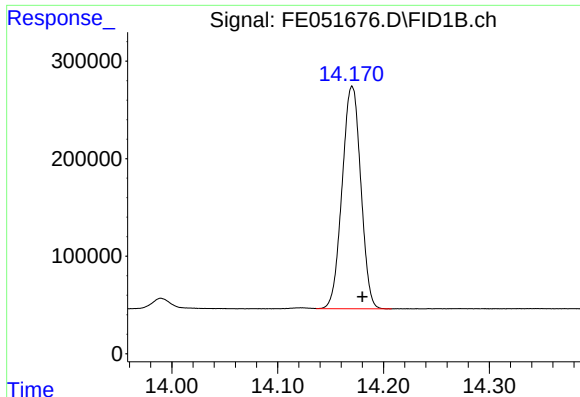
#11 n-Heneicosane (C21)

R.T.: 13.589 min
Delta R.T.: -0.009 min
Response: 2809166
Conc: 19.77 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.424 min
Delta R.T.: -0.009 min
Response: 2461328
Conc: 19.51 ug/ml



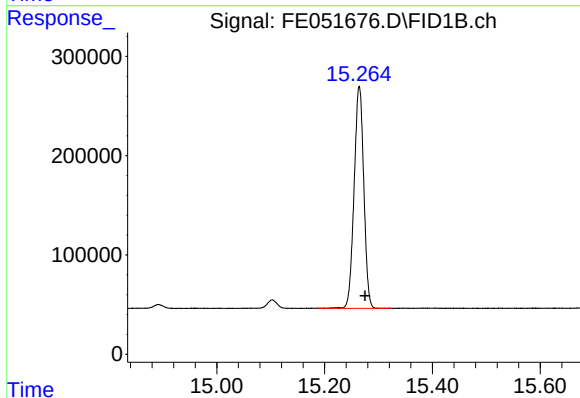
#13 n-Docosane (C22)

R.T.: 14.170 min
Delta R.T.: -0.010 min
Response: 2797025
Conc: 19.84 ug/ml

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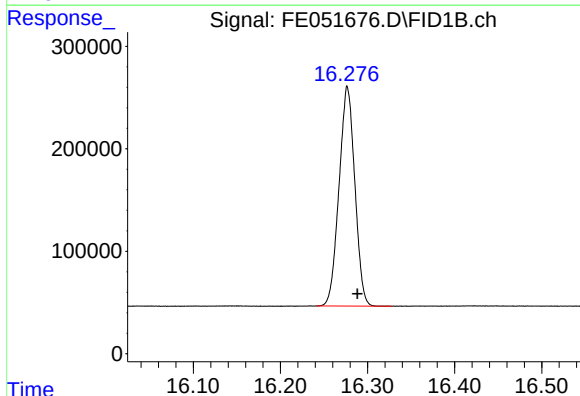
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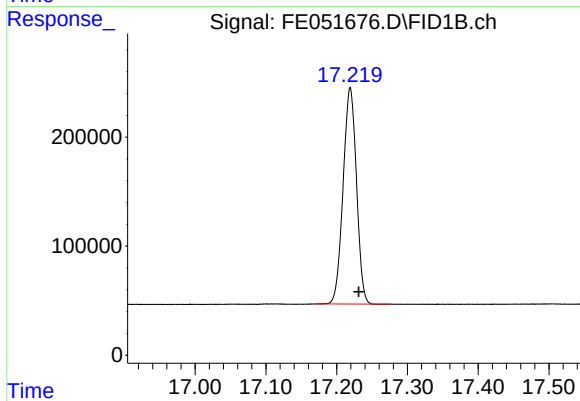
#14 n-Tetracosane (C24)

R.T.: 15.264 min
Delta R.T.: -0.011 min
Response: 2784766
Conc: 19.96 ug/ml



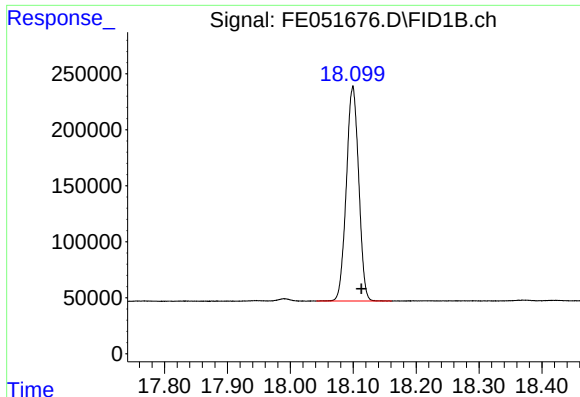
#15 n-Hexacosane (C26)

R.T.: 16.277 min
Delta R.T.: -0.011 min
Response: 2698431
Conc: 20.03 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.219 min
Delta R.T.: -0.012 min
Response: 2605282
Conc: 20.03 ug/ml



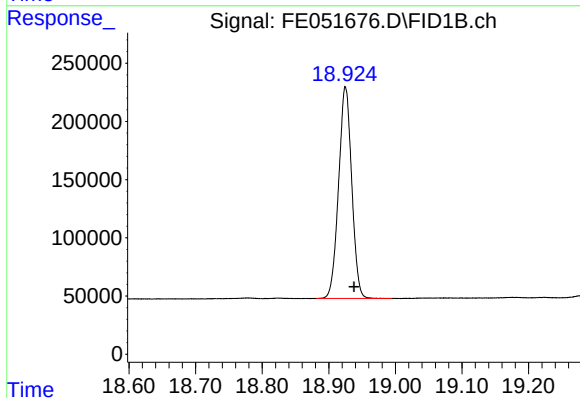
#17 n-Tricontane (C30)

R.T.: 18.099 min
Delta R.T.: -0.014 min
Response: 2619560
Conc: 19.79 ug/ml

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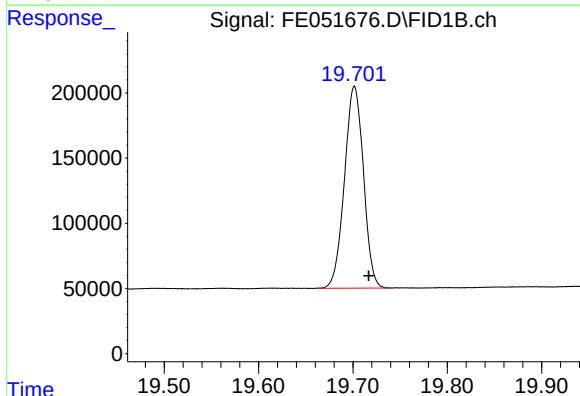
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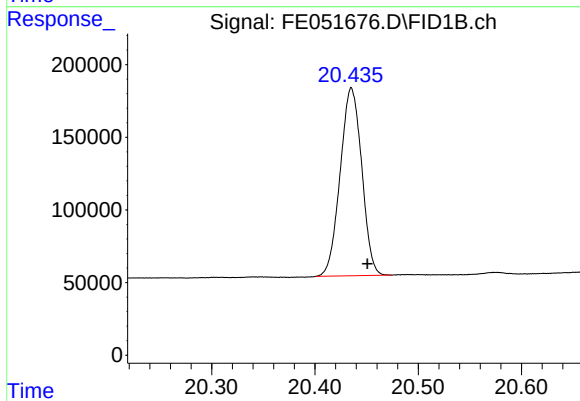
#18 n-Dotriacontane (C32)

R.T.: 18.925 min
Delta R.T.: -0.013 min
Response: 2489743
Conc: 19.86 ug/ml



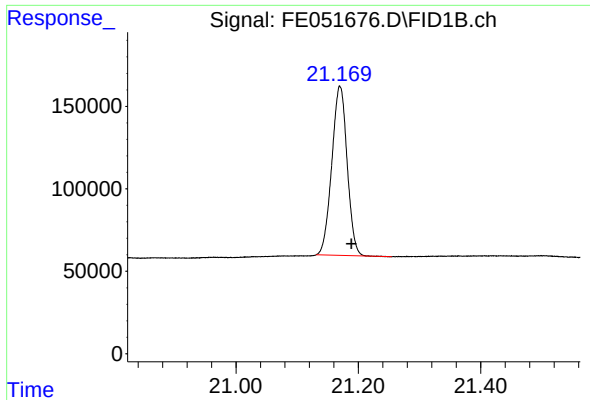
#19 n-Tetratriacontane (C34)

R.T.: 19.702 min
Delta R.T.: -0.015 min
Response: 2166889
Conc: 19.70 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.435 min
Delta R.T.: -0.016 min
Response: 1874949
Conc: 19.53 ug/ml



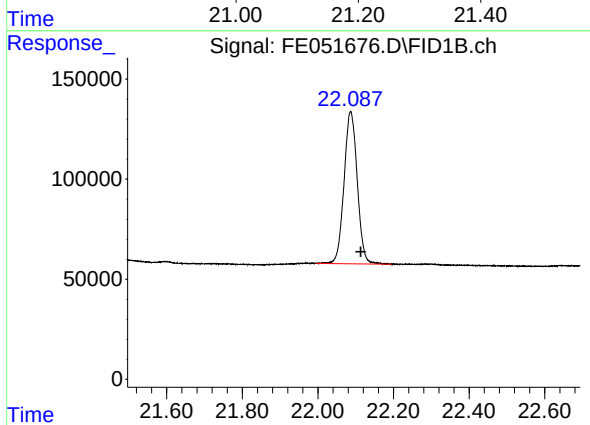
#21 n-Octatriacontane (C38)

R.T.: 21.170 min
Delta R.T.: -0.019 min
Response: 1784186
Conc: 19.81 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.087 min
Delta R.T.: -0.027 min
Response: 1846629
Conc: 18.92 ug/ml m