

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE072624AL\
 Data File : FE049264.D
 Signal(s) : FID1B.ch
 Acq On : 26 Jul 2024 08:52
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/26/2024
 Supervised By :Ankita Jodhani 07/29/2024

Integration File: autoint1.e
 Quant Time: Jul 26 11:01:06 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)	11.910	2881392	18.577 ug/ml
Spiked Amount 50.000		Recovery =	37.15%
12) S 1-chlorooctadecane (S...	13.346	2221987	19.018 ug/ml
Spiked Amount 50.000		Recovery =	38.04%
Target Compounds			
1) T n-Nonane (C9)	3.297	2738834	18.212 ug/ml
2) T n-Decane (C10)	4.547	2857558	18.501 ug/ml
3) T A~Naphthalene (C11.7)	6.254	2897354	18.596 ug/ml
4) T n-Dodecane (C12)	6.714	2824656	18.344 ug/ml
5) T A~2-methylnaphthalene...	7.350	2719673	18.688 ug/ml
6) T n-Tetradecane (C14)	8.542	2788336	18.372 ug/ml
7) T n-Hexadecane (C16)	10.148	2839413	18.723 ug/ml
8) T n-Octadecane (C18)	11.591	2834603	18.669 ug/ml
10) T n-Eicosane (C20)	12.900	2705735	18.711 ug/ml
11) T n-Heneicosane (C21)	13.511	2662255	18.774 ug/ml
13) T n-Docosane (C22)	14.098	2657441	18.915 ug/ml
14) T n-Tetracosane (C24)	15.199	2701070	19.272 ug/ml
15) T n-Hexacosane (C26)	16.220	2707891	19.312 ug/ml
16) T n-Octacosane (C28)	17.168	2827633	20.202 ug/ml
17) T n-Tricontane (C30)	18.056	3158198	21.650 ug/ml
18) T n-Dotriacontane (C32)	18.888	3250355	22.106 ug/ml
19) T n-Tetratriacontane (C34)	19.672	3157852	21.619 ug/ml
20) T n-Hexatriacontane (C36)	20.410	3065198	21.263 ug/mlm
21) T n-Octatriacontane (C38)	21.144	3112954	20.796 ug/mlm
22) T n-Tetracontane (C40)	22.049	3247748	21.522 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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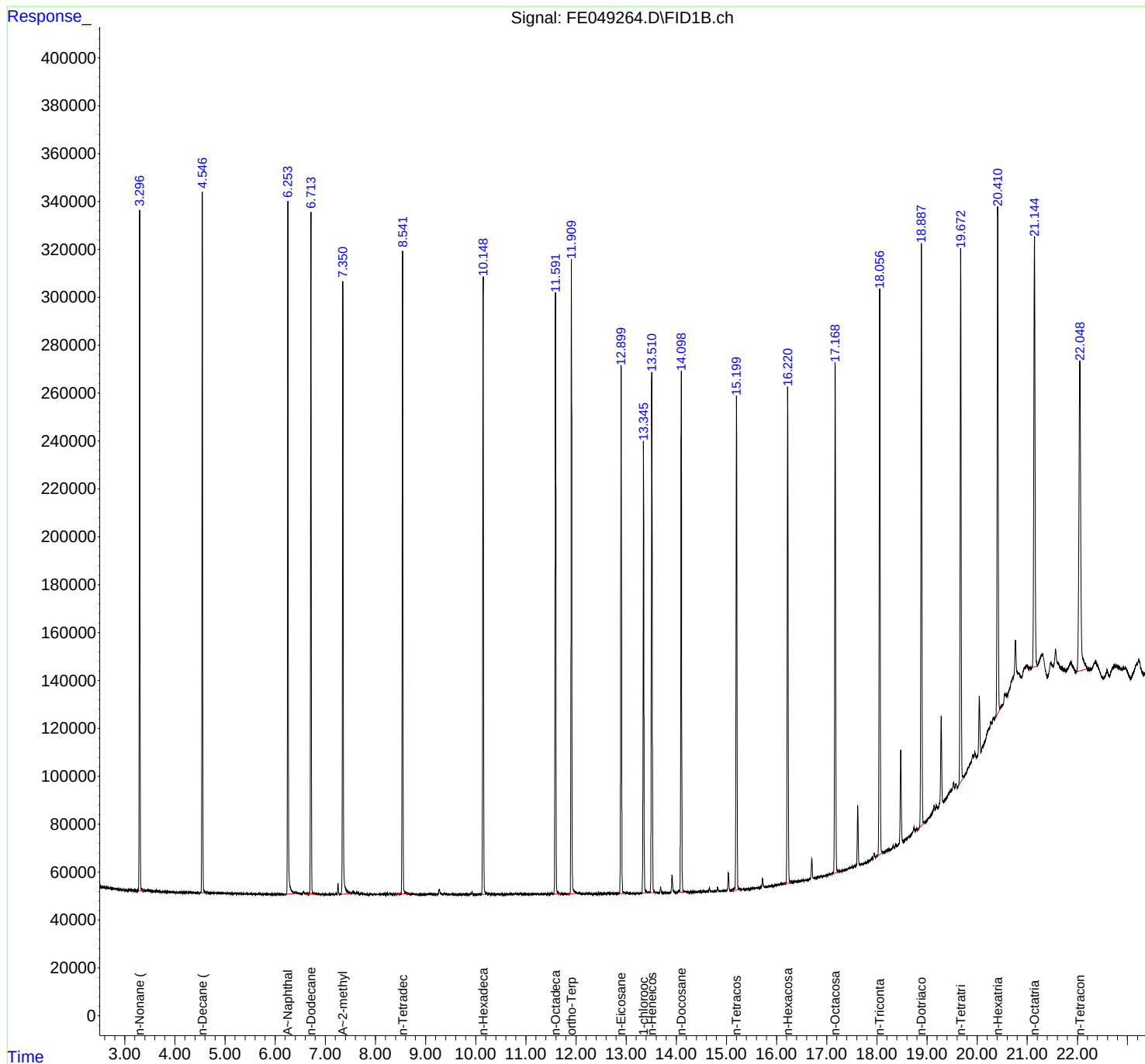
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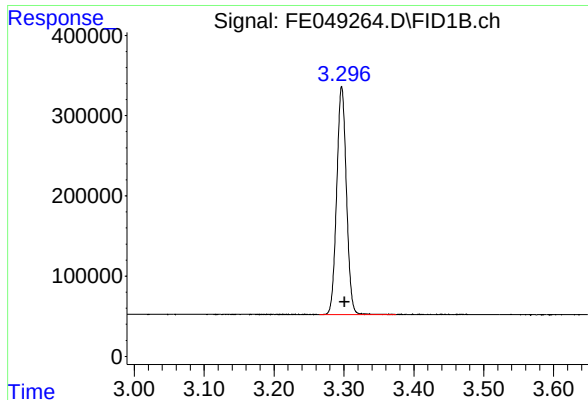
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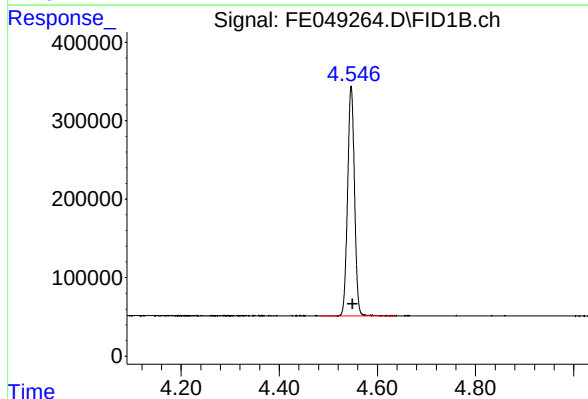
#1 n-Nonane (C9)

R.T.: 3.297 min
Delta R.T.: -0.004 min
Response: 2738834
Conc: 18.21 ug/ml

Instrument : FID_E
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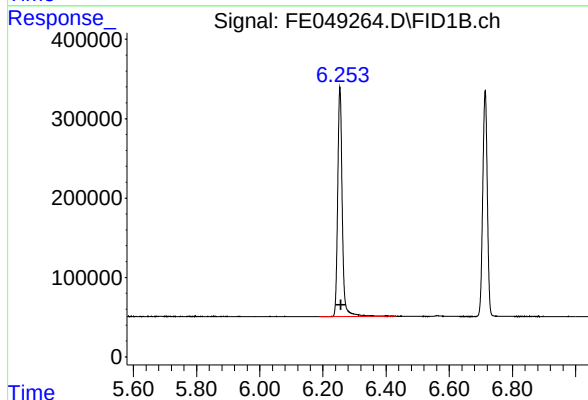
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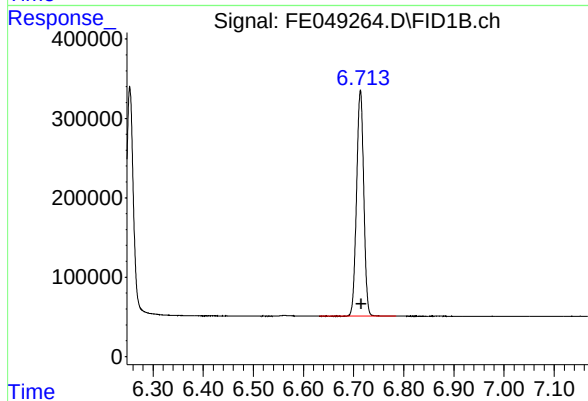
#2 n-Decane (C10)

R.T.: 4.547 min
Delta R.T.: -0.003 min
Response: 2857558
Conc: 18.50 ug/ml



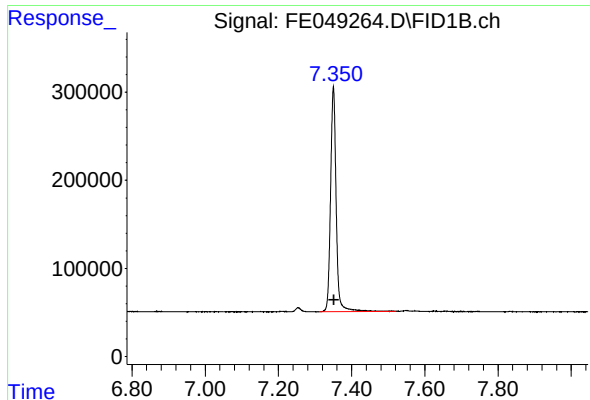
#3 A~Naphthalene (C11.7)

R.T.: 6.254 min
Delta R.T.: -0.003 min
Response: 2897354
Conc: 18.60 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.714 min
Delta R.T.: -0.002 min
Response: 2824656
Conc: 18.34 ug/ml



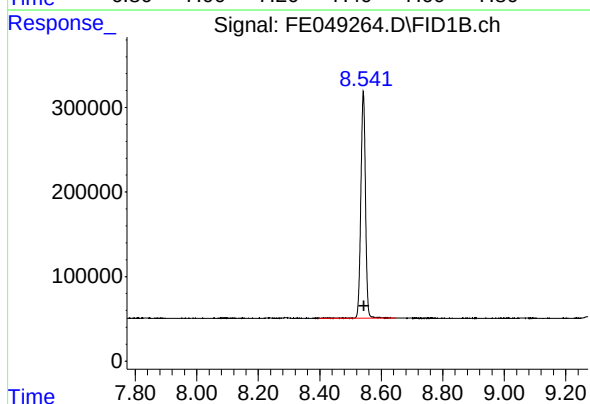
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.350 min
Delta R.T.: -0.002 min
Response: 2719673
Conc: 18.69 ug/ml

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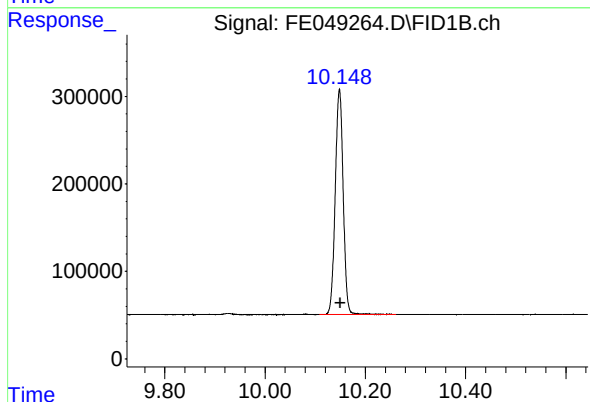
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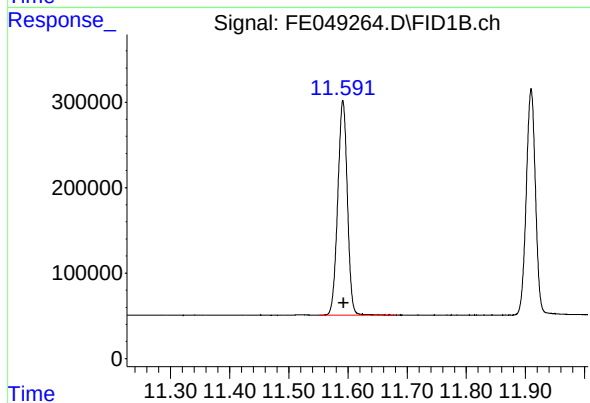
#6 n-Tetradecane (C14)

R.T.: 8.542 min
Delta R.T.: -0.002 min
Response: 2788336
Conc: 18.37 ug/ml



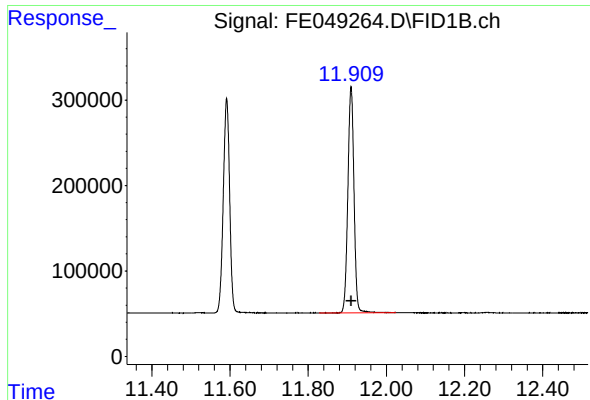
#7 n-Hexadecane (C16)

R.T.: 10.148 min
Delta R.T.: -0.001 min
Response: 2839413
Conc: 18.72 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.591 min
Delta R.T.: -0.001 min
Response: 2834603
Conc: 18.67 ug/ml



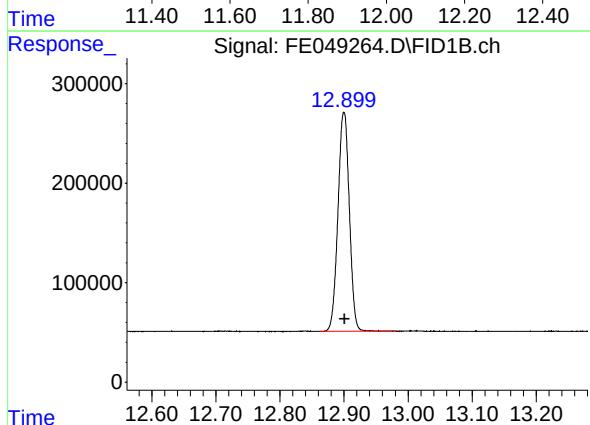
#9 ortho-Terphenyl (SURR)

R.T.: 11.910 min
Delta R.T.: -0.001 min
Response: 2881392
Conc: 18.58 ug/ml

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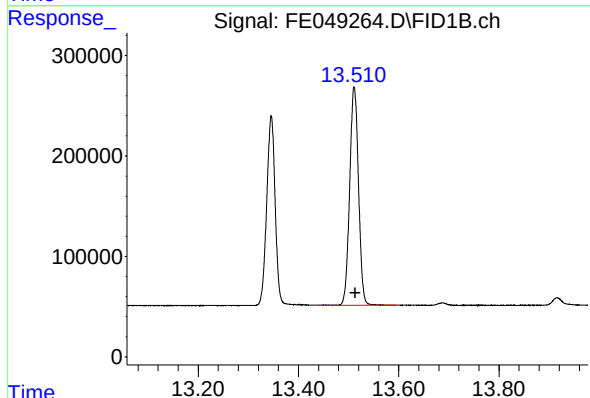
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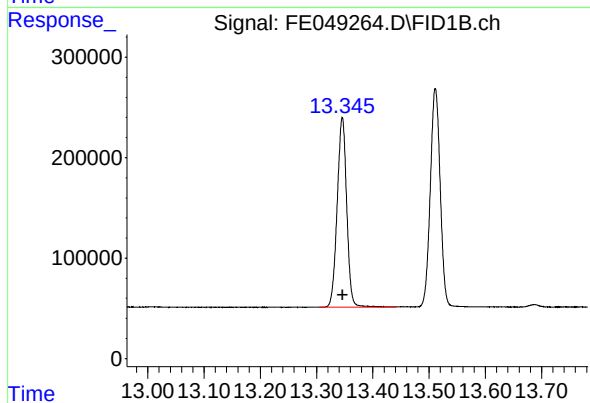
#10 n-Eicosane (C20)

R.T.: 12.900 min
Delta R.T.: -0.001 min
Response: 2705735
Conc: 18.71 ug/ml



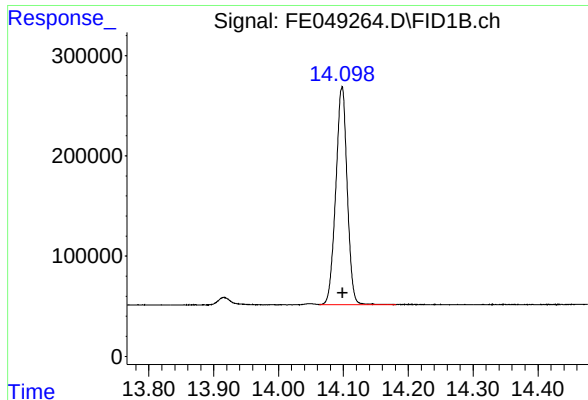
#11 n-Heneicosane (C21)

R.T.: 13.511 min
Delta R.T.: -0.002 min
Response: 2662255
Conc: 18.77 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.346 min
Delta R.T.: 0.000 min
Response: 2221987
Conc: 19.02 ug/ml



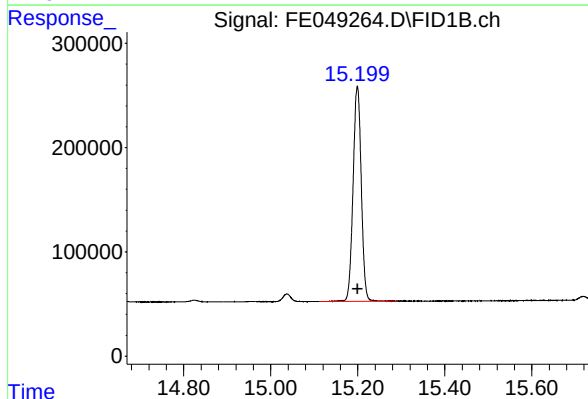
#13 n-Docosane (C22)

R.T.: 14.098 min
Delta R.T.: -0.001 min
Response: 2657441
Conc: 18.91 ug/ml

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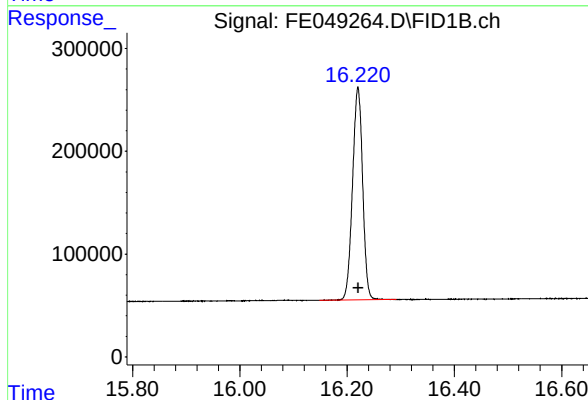
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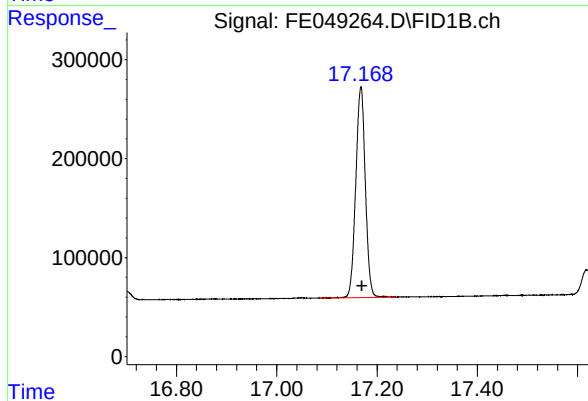
#14 n-Tetracosane (C24)

R.T.: 15.199 min
Delta R.T.: -0.001 min
Response: 2701070
Conc: 19.27 ug/ml



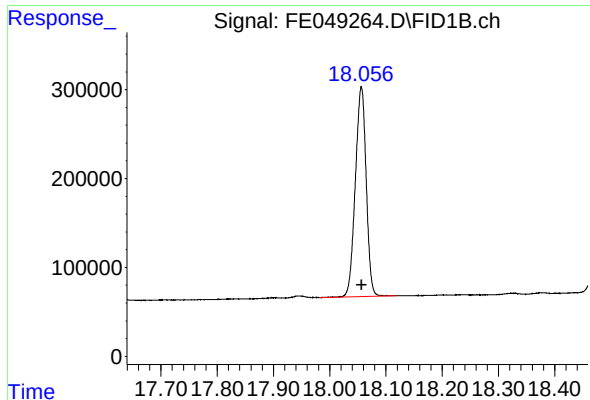
#15 n-Hexacosane (C26)

R.T.: 16.220 min
Delta R.T.: 0.000 min
Response: 2707891
Conc: 19.31 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.168 min
Delta R.T.: -0.002 min
Response: 2827633
Conc: 20.20 ug/ml



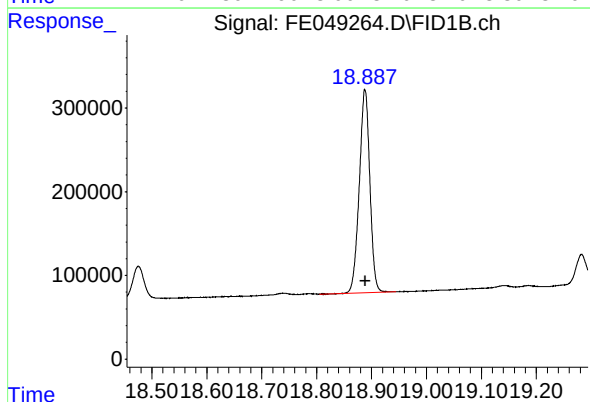
#17 n-Tricontane (C30)

R.T.: 18.056 min
Delta R.T.: 0.000 min
Response: 3158198
Conc: 21.65 ug/ml

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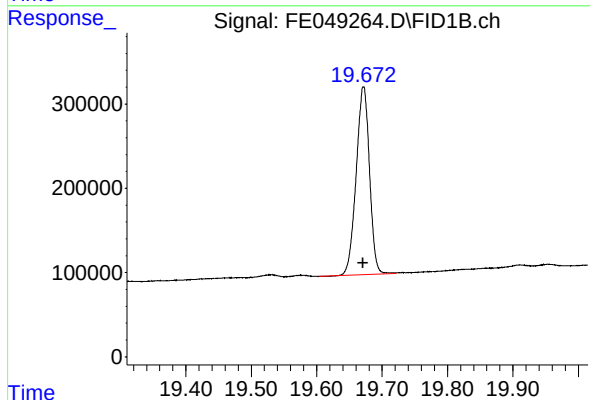
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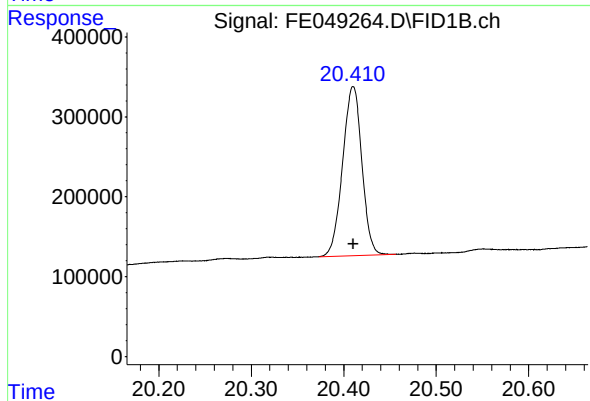
#18 n-Dotriacontane (C32)

R.T.: 18.888 min
Delta R.T.: 0.000 min
Response: 3250355
Conc: 22.11 ug/ml



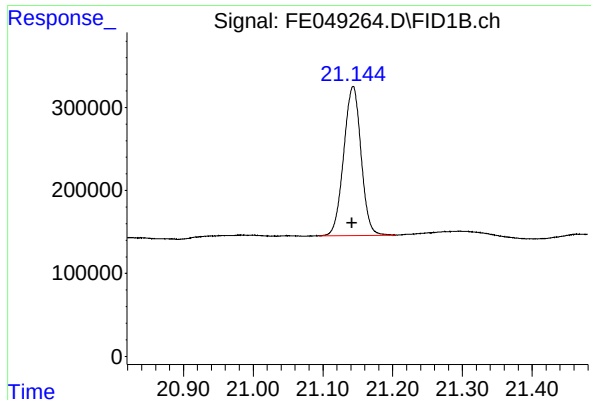
#19 n-Tetratriacontane (C34)

R.T.: 19.672 min
Delta R.T.: 0.000 min
Response: 3157852
Conc: 21.62 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.410 min
Delta R.T.: 0.000 min
Response: 3065198
Conc: 21.26 ug/ml m



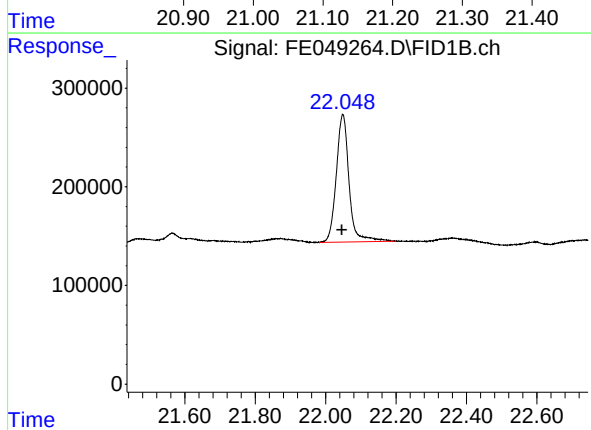
#21 n-Octatriacontane (C38)

R.T.: 21.144 min
Delta R.T.: 0.002 min
Response: 3112954
Conc: 20.80 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.049 min
Delta R.T.: 0.002 min
Response: 3247748
Conc: 21.52 ug/ml