

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE071624AL\
 Data File : FE049153.D
 Signal(s) : FID1B.ch
 Acq On : 17 Jul 2024 03:26
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/17/2024
 Supervised By :Ankita Jodhani 07/17/2024

Integration File: autoint1.e
 Quant Time: Jul 17 03:50:48 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062124.M
 Quant Title : GC Extractables
 QLast Update : Thu Jun 20 17:53:58 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)	11.916	3034976	18.151 ug/ml
Spiked Amount 50.000		Recovery =	36.30%
12) S 1-chlorooctadecane (S...	13.351	2296616	17.860 ug/ml
Spiked Amount 50.000		Recovery =	35.72%
Target Compounds			
1) T n-Nonane (C9)	3.302	2977842	19.807 ug/ml
2) T n-Decane (C10)	4.552	3029933	19.689 ug/ml
3) T A~Naphthalene (C11.7)	6.259	3078128	19.389 ug/ml
4) T n-Dodecane (C12)	6.718	3015333	19.533 ug/ml
5) T A~2-methylnaphthalene...	7.355	2878206	19.006 ug/ml
6) T n-Tetradecane (C14)	8.547	2946058	19.222 ug/ml
7) T n-Hexadecane (C16)	10.153	2980545	19.062 ug/ml
8) T n-Octadecane (C18)	11.596	2982589	18.701 ug/ml
10) T n-Eicosane (C20)	12.905	2834198	18.281 ug/ml
11) T n-Heneicosane (C21)	13.516	2775894	18.231 ug/ml
13) T n-Docosane (C22)	14.102	2751413	18.193 ug/ml
14) T n-Tetracosane (C24)	15.204	2761861	18.378 ug/ml
15) T n-Hexacosane (C26)	16.224	2757575	18.679 ug/ml
16) T n-Octacosane (C28)	17.174	2736202	18.973 ug/ml
17) T n-Tricontane (C30)	18.061	2838748	19.404 ug/ml
18) T n-Dotriacontane (C32)	18.892	2840630	19.867 ug/ml
19) T n-Tetratriacontane (C34)	19.676	2824273	20.411 ug/ml
20) T n-Hexatriacontane (C36)	20.416	2791222	21.476 ug/mlm
21) T n-Octatriacontane (C38)	21.147	2880358	22.468 ug/mlm
22) T n-Tetracontane (C40)	22.054	2873106	23.462 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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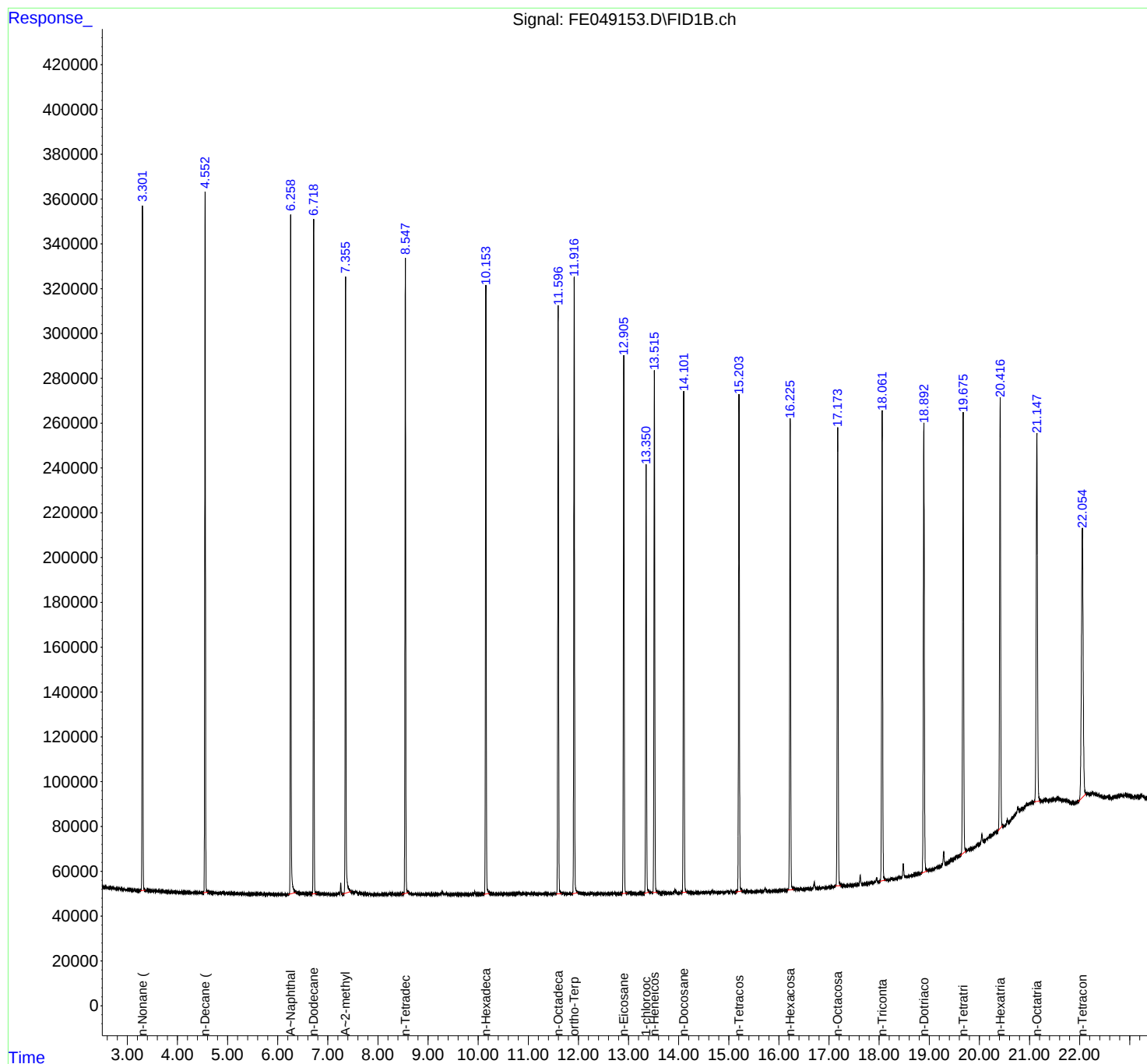
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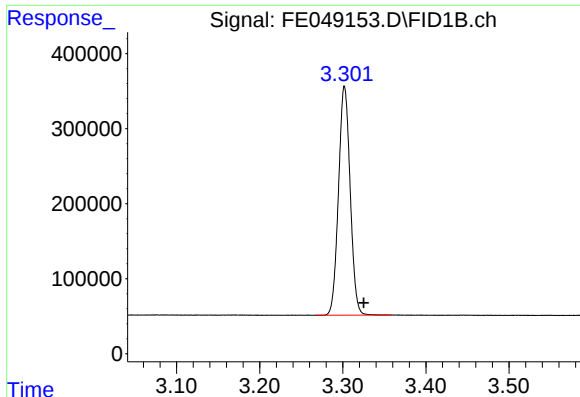
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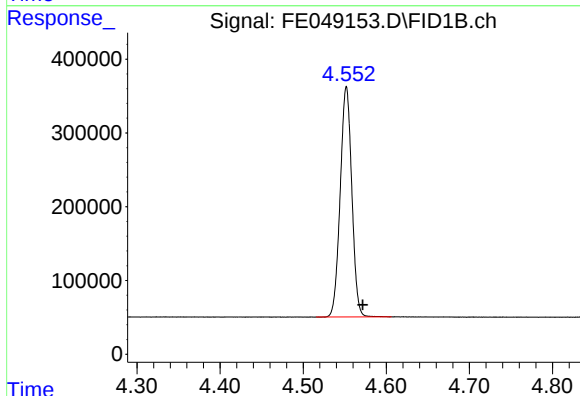
#1 n-Nonane (C9)

R.T.: 3.302 min
Delta R.T.: -0.023 min
Response: 2977842
Conc: 19.81 ug/ml

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20 PPM ALIPHATIC HC STD

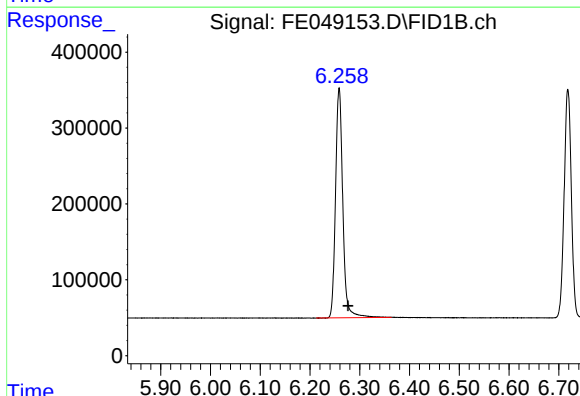
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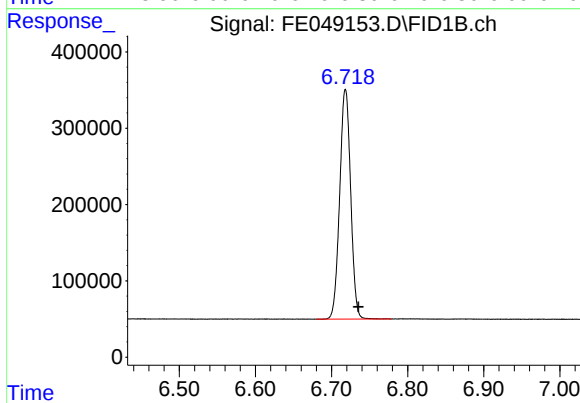
#2 n-Decane (C10)

R.T.: 4.552 min
Delta R.T.: -0.019 min
Response: 3029933
Conc: 19.69 ug/ml



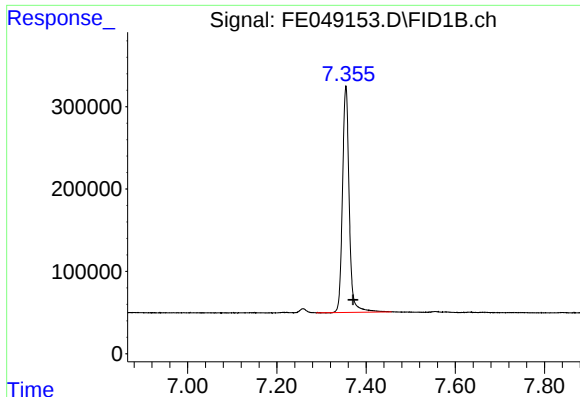
#3 A~Naphthalene (C11.7)

R.T.: 6.259 min
Delta R.T.: -0.018 min
Response: 3078128
Conc: 19.39 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.718 min
Delta R.T.: -0.017 min
Response: 3015333
Conc: 19.53 ug/ml



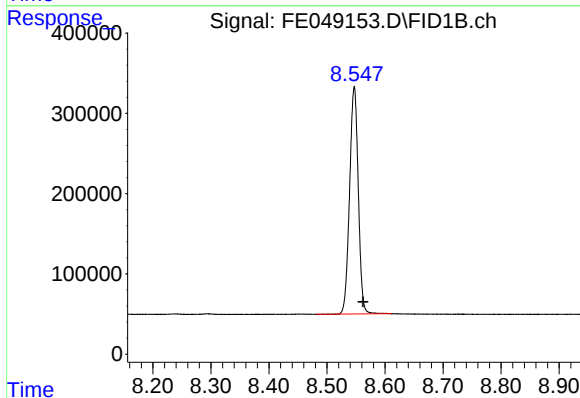
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.355 min
Delta R.T.: -0.016 min
Response: 2878206
Conc: 19.01 ug/ml

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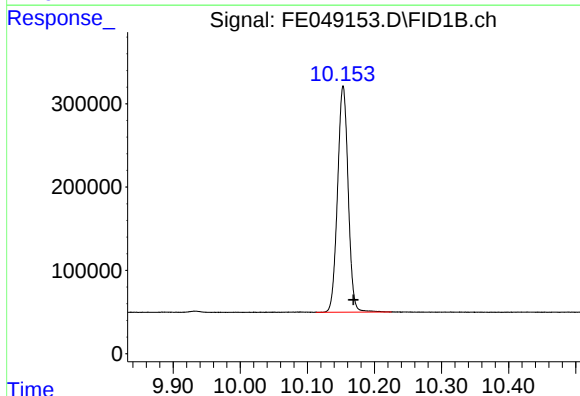
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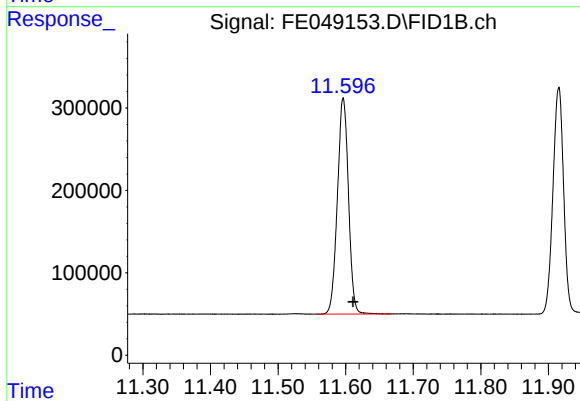
#6 n-Tetradecane (C14)

R.T.: 8.547 min
Delta R.T.: -0.015 min
Response: 2946058
Conc: 19.22 ug/ml



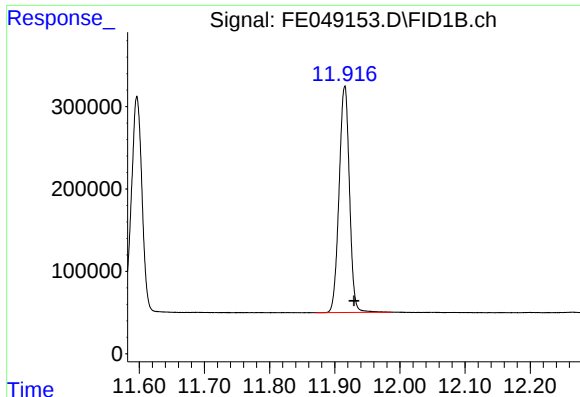
#7 n-Hexadecane (C16)

R.T.: 10.153 min
Delta R.T.: -0.015 min
Response: 2980545
Conc: 19.06 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.596 min
Delta R.T.: -0.015 min
Response: 2982589
Conc: 18.70 ug/ml



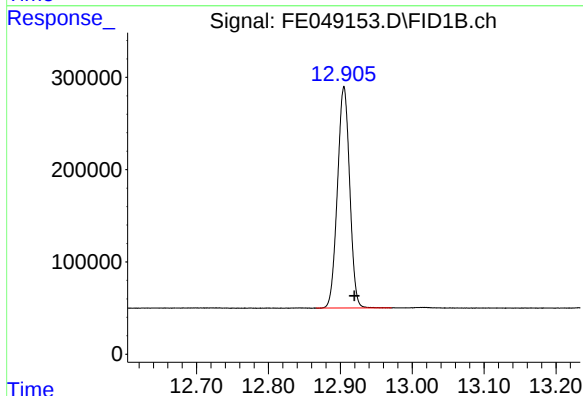
#9 ortho-Terphenyl (SURR)

R.T.: 11.916 min
Delta R.T.: -0.014 min
Response: 3034976
Conc: 18.15 ug/ml

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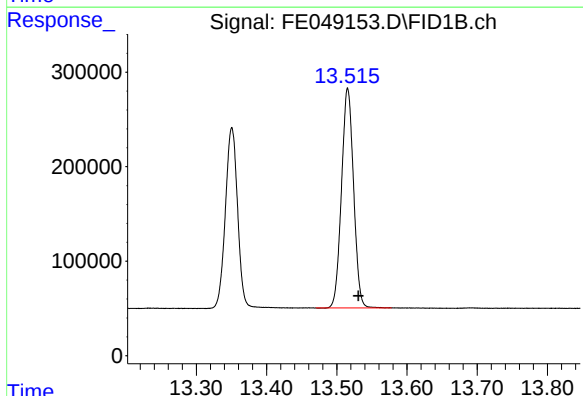
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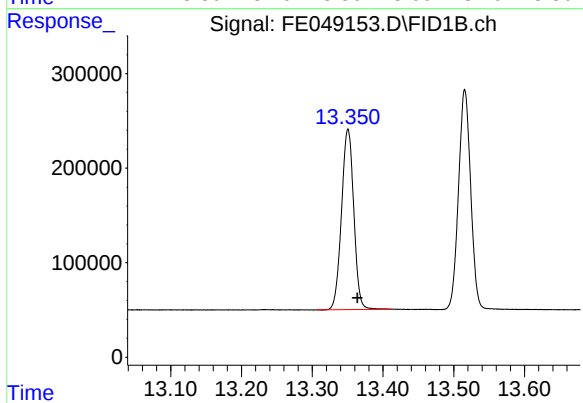
#10 n-Eicosane (C20)

R.T.: 12.905 min
Delta R.T.: -0.014 min
Response: 2834198
Conc: 18.28 ug/ml



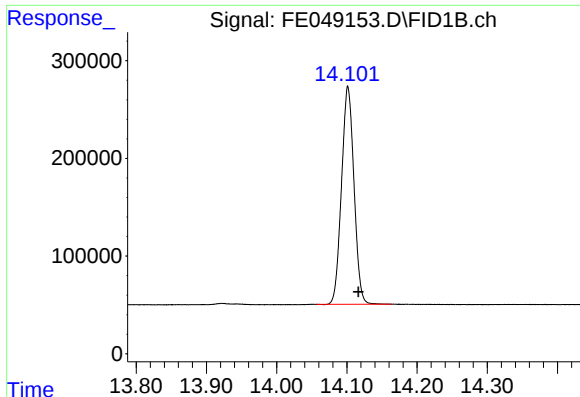
#11 n-Heneicosane (C21)

R.T.: 13.516 min
Delta R.T.: -0.015 min
Response: 2775894
Conc: 18.23 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.351 min
Delta R.T.: -0.013 min
Response: 2296616
Conc: 17.86 ug/ml



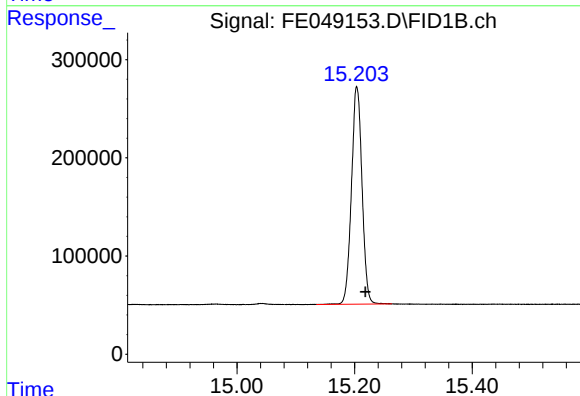
#13 n-Docosane (C22)

R.T.: 14.102 min
Delta R.T.: -0.015 min
Response: 2751413
Conc: 18.19 ug/ml

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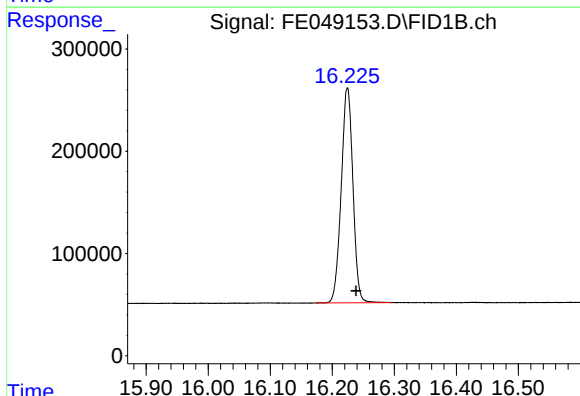
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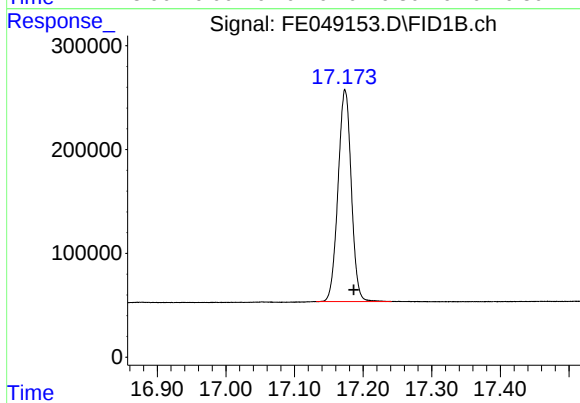
#14 n-Tetracosane (C24)

R.T.: 15.204 min
Delta R.T.: -0.015 min
Response: 2761861
Conc: 18.38 ug/ml



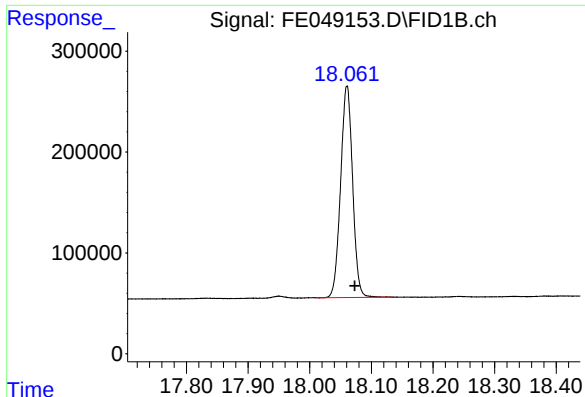
#15 n-Hexacosane (C26)

R.T.: 16.224 min
Delta R.T.: -0.014 min
Response: 2757575
Conc: 18.68 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.174 min
Delta R.T.: -0.013 min
Response: 2736202
Conc: 18.97 ug/ml



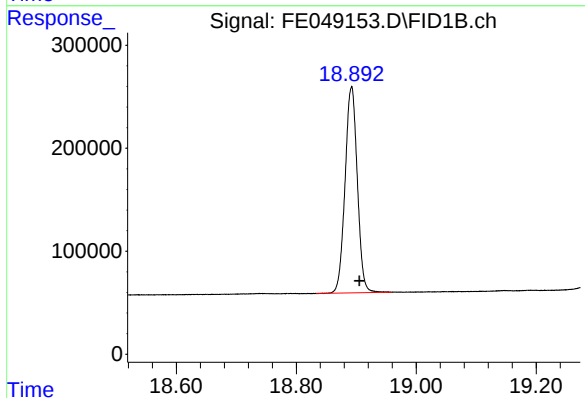
#17 n-Tricontane (C30)

R.T.: 18.061 min
Delta R.T.: -0.013 min
Response: 2838748
Conc: 19.40 ug/ml

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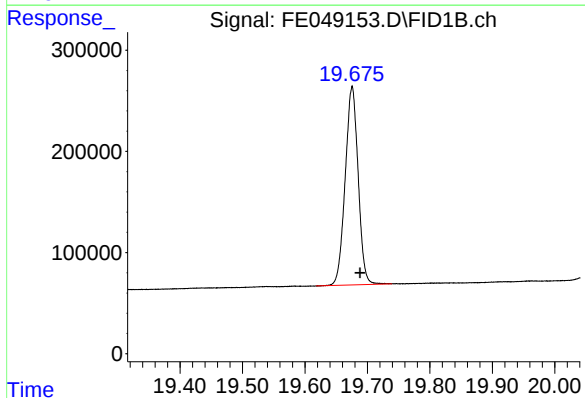
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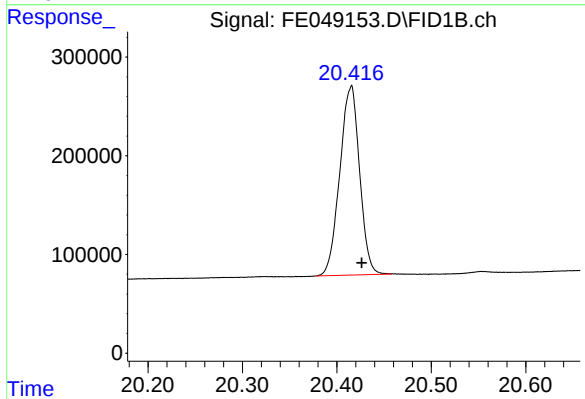
#18 n-Dotriacontane (C32)

R.T.: 18.892 min
Delta R.T.: -0.013 min
Response: 2840630
Conc: 19.87 ug/ml



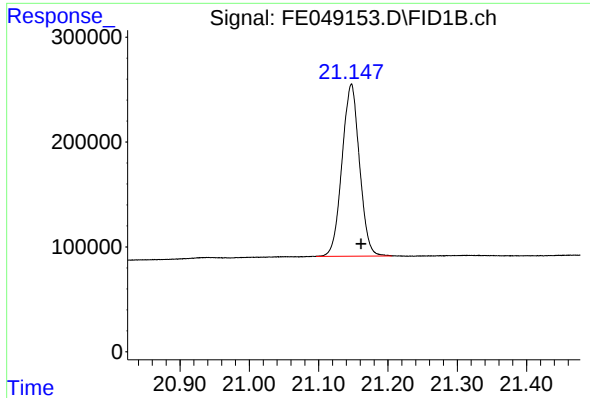
#19 n-Tetratriacontane (C34)

R.T.: 19.676 min
Delta R.T.: -0.012 min
Response: 2824273
Conc: 20.41 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.416 min
Delta R.T.: -0.011 min
Response: 2791222
Conc: 21.48 ug/ml m



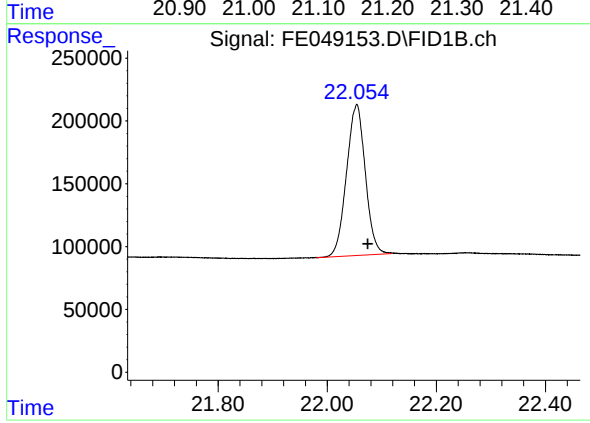
#21 n-Octatriacontane (C38)

R.T.: 21.147 min
Delta R.T.: -0.014 min
Response: 2880358
Conc: 22.47 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.054 min
Delta R.T.: -0.020 min
Response: 2873106
Conc: 23.46 ug/ml m