

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE021925AL\
 Data File : FE052400.D
 Signal(s) : FID1B.ch
 Acq On : 19 Feb 2025 11:30
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/20/2025
 Supervised By :Ankita Jodhani 02/20/2025

Integration File: autoint1.e
 Quant Time: Feb 20 00:16:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 021325.M
 Quant Title : GC Extractables
 QLast Update : Fri Feb 14 00:50:00 2025
 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)	11.914	3483894	18.637 ug/ml
Spiked Amount 50.000		Recovery =	37.27%
12) S 1-chlorooctadecane (S...	13.360	2518284	18.118 ug/ml
Spiked Amount 50.000		Recovery =	36.24%
Target Compounds			
1) T n-Nonane (C9)	3.252	3068627	19.991 ug/ml
2) T n-Decane (C10)	4.514	3110106	19.913 ug/ml
3) T A~Naphthalene (C11.7)	6.225	3432096	19.865 ug/ml
4) T n-Dodecane (C12)	6.696	3101163	19.647 ug/ml
5) T A~2-methylnaphthalene...	7.328	3304052	19.673 ug/ml
6) T n-Tetradecane (C14)	8.533	3031263	19.244 ug/ml
7) T n-Hexadecane (C16)	10.148	3086168	18.883 ug/ml
8) T n-Octadecane (C18)	11.598	3081063	18.621 ug/mlm
10) T n-Eicosane (C20)	12.914	2936895	18.422 ug/ml
11) T n-Heneicosane (C21)	13.528	2876885	18.363 ug/ml
13) T n-Docosane (C22)	14.117	2852510	18.227 ug/ml
14) T n-Tetracosane (C24)	15.223	2818790	17.923 ug/ml
15) T n-Hexacosane (C26)	16.247	2758742	17.811 ug/ml
16) T n-Octacosane (C28)	17.200	2695406	17.621 ug/ml
17) T n-Tricontane (C30)	18.090	2702495	17.313 ug/ml
18) T n-Dotriacontane (C32)	18.925	2650823	17.323 ug/mlm
19) T n-Tetratriacontane (C34)	19.711	2374767	16.693 ug/ml
20) T n-Hexatriacontane (C36)	20.454	2125264	17.052 ug/mlm
21) T n-Octatriacontane (C38)	21.197	1938660	17.737 ug/mlm
22) T n-Tetracontane (C40)	22.122	1814302	18.037 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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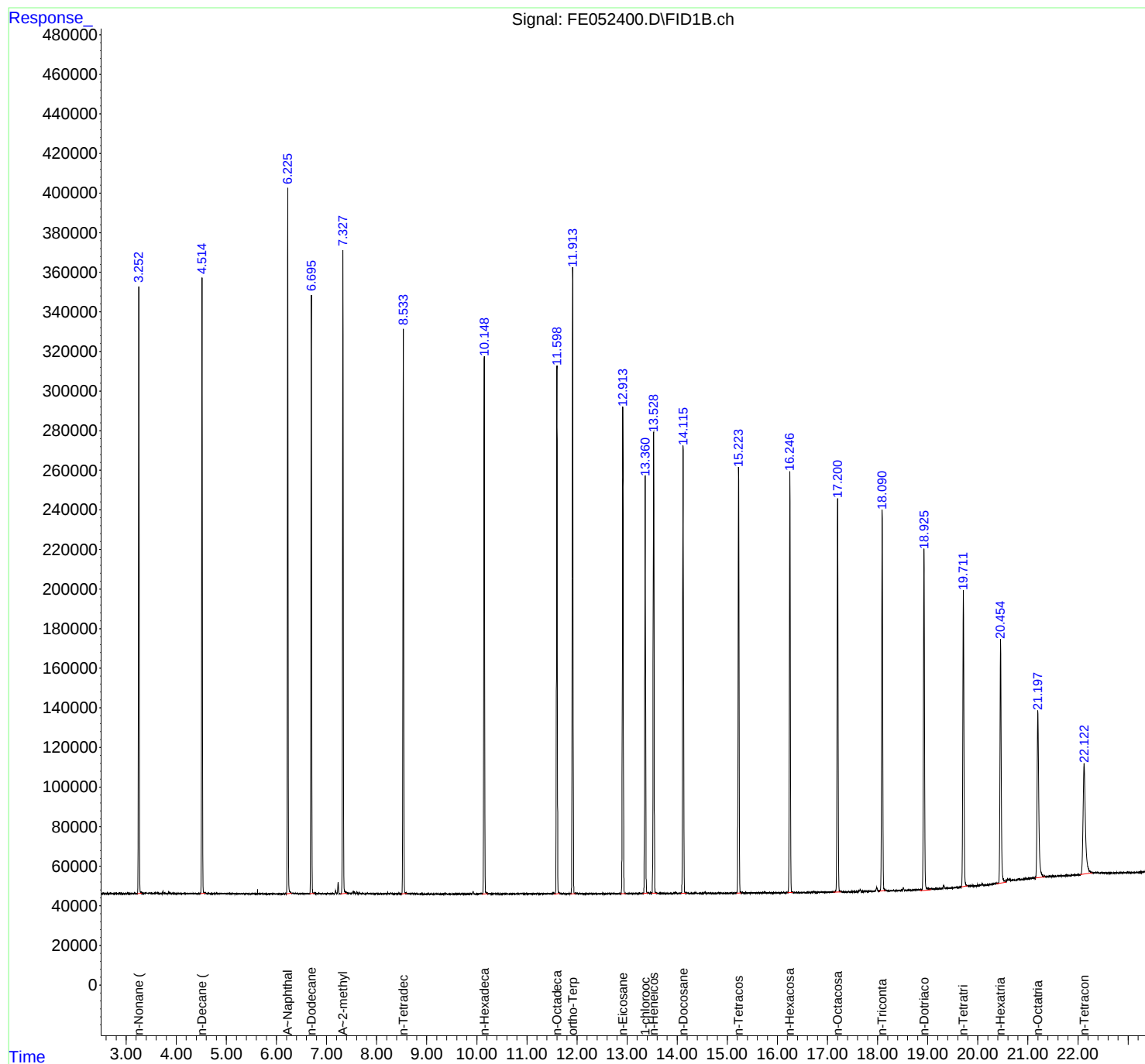
Instrument :
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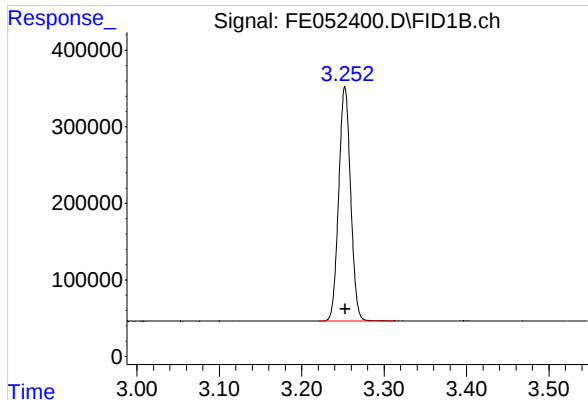
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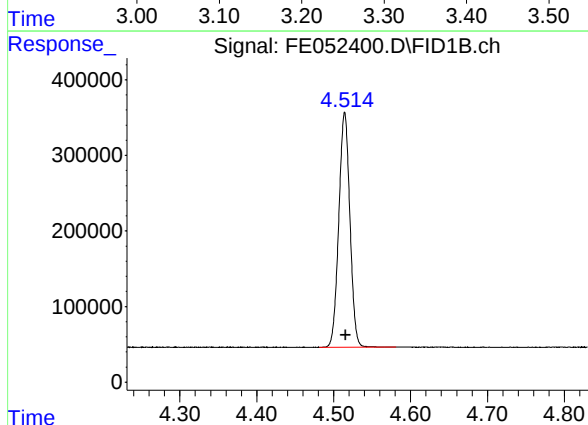
#1 n-Nonane (C9)

R.T.: 3.252 min
Delta R.T.: 0.000 min
Response: 3068627
Conc: 19.99 ug/ml

Instrument :
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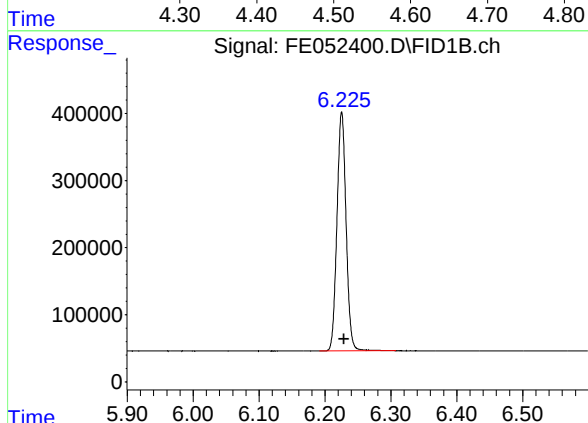
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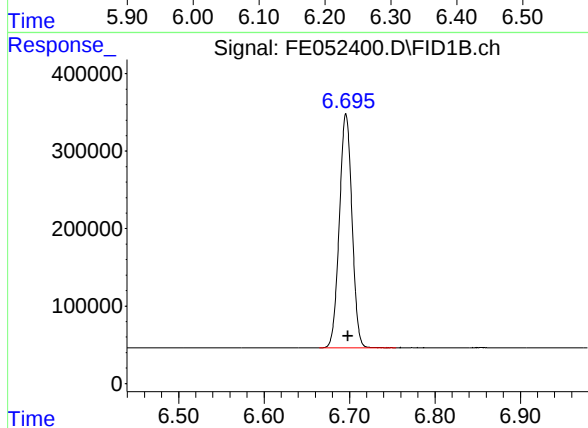
#2 n-Decane (C10)

R.T.: 4.514 min
Delta R.T.: -0.001 min
Response: 3110106
Conc: 19.91 ug/ml



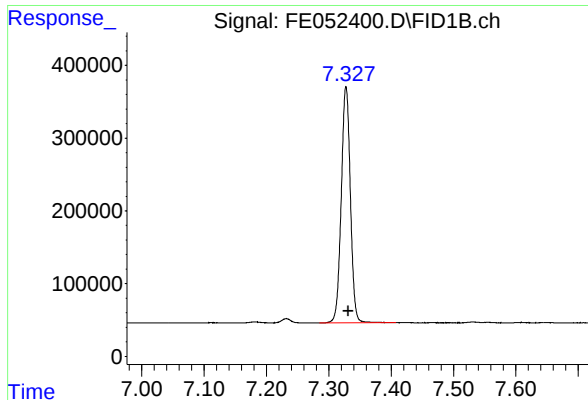
#3 A~Naphthalene (C11.7)

R.T.: 6.225 min
Delta R.T.: -0.004 min
Response: 3432096
Conc: 19.87 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.696 min
Delta R.T.: -0.002 min
Response: 3101163
Conc: 19.65 ug/ml



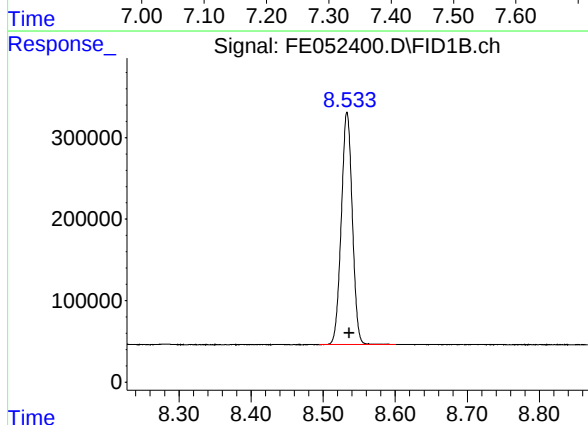
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.328 min
Delta R.T.: -0.003 min
Response: 3304052
Conc: 19.67 ug/ml

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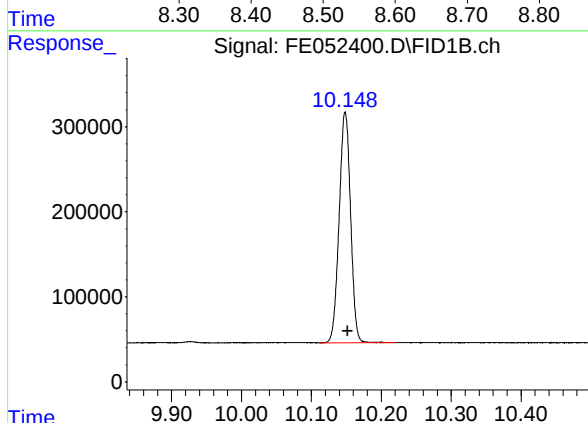
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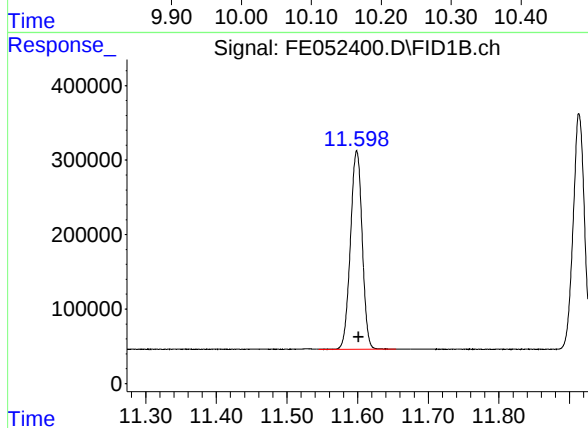
#6 n-Tetradecane (C14)

R.T.: 8.533 min
Delta R.T.: -0.003 min
Response: 3031263
Conc: 19.24 ug/ml



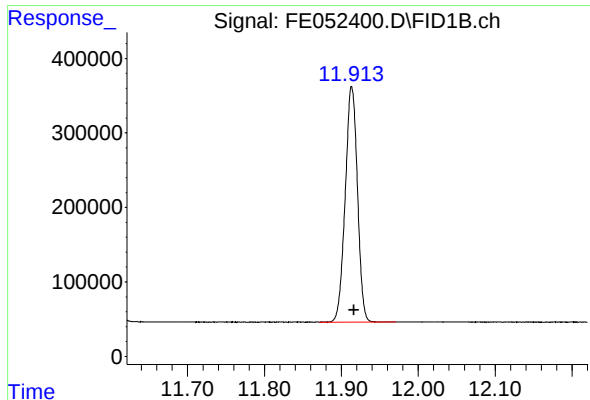
#7 n-Hexadecane (C16)

R.T.: 10.148 min
Delta R.T.: -0.004 min
Response: 3086168
Conc: 18.88 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.598 min
Delta R.T.: -0.004 min
Response: 3081063
Conc: 18.62 ug/ml m



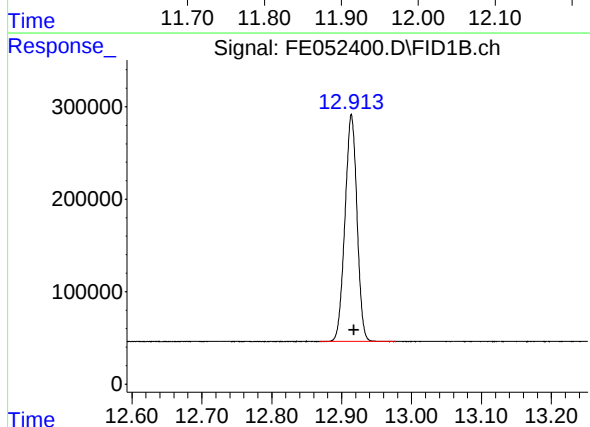
#9 ortho-Terphenyl (SURR)

R.T.: 11.914 min
Delta R.T.: -0.003 min
Response: 3483894
Conc: 18.64 ug/ml

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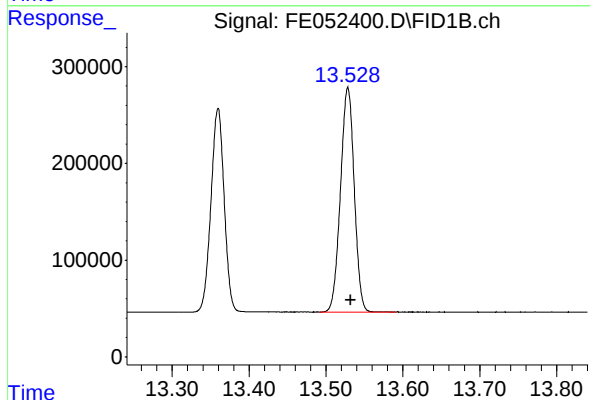
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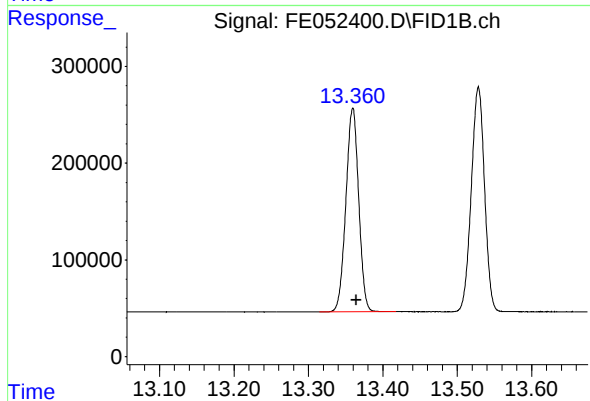
#10 n-Eicosane (C20)

R.T.: 12.914 min
Delta R.T.: -0.004 min
Response: 2936895
Conc: 18.42 ug/ml



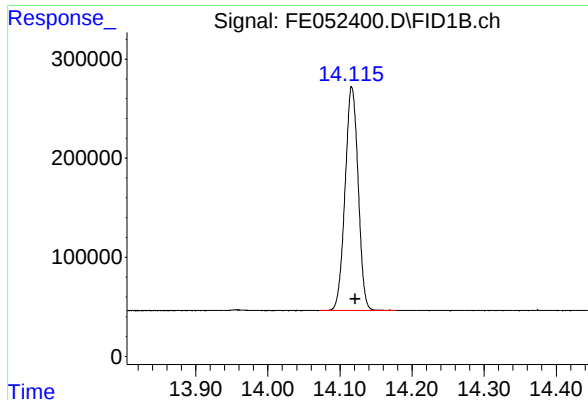
#11 n-Heneicosane (C21)

R.T.: 13.528 min
Delta R.T.: -0.004 min
Response: 2876885
Conc: 18.36 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.360 min
Delta R.T.: -0.005 min
Response: 2518284
Conc: 18.12 ug/ml



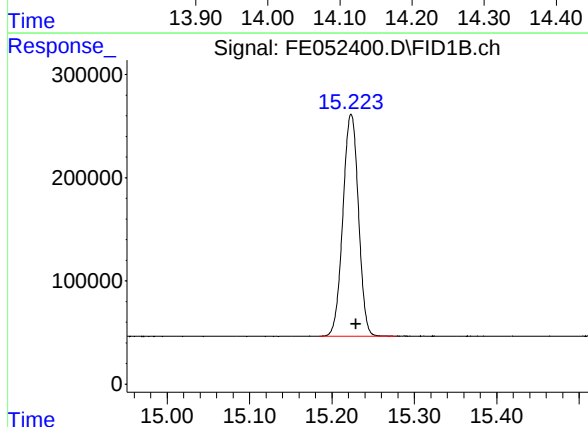
#13 n-Docosane (C22)

R.T.: 14.117 min
Delta R.T.: -0.004 min
Response: 2852510
Conc: 18.23 ug/ml

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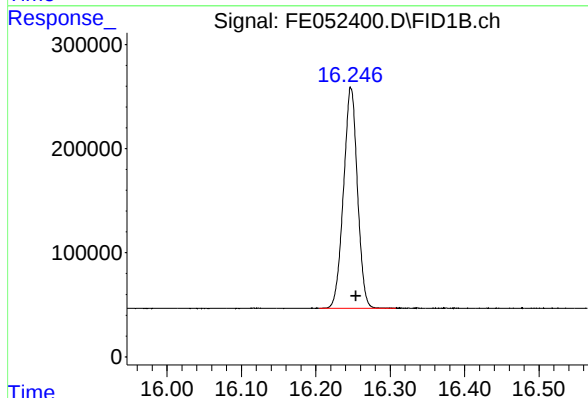
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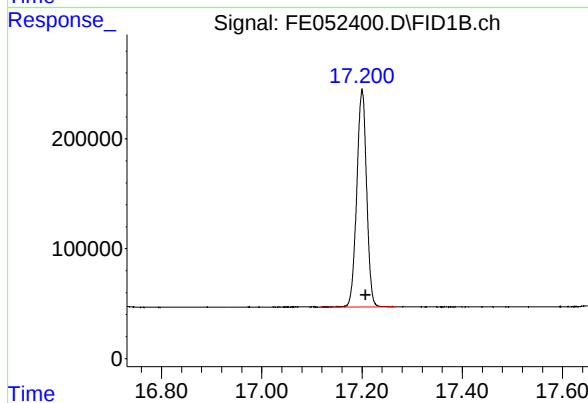
#14 n-Tetracosane (C24)

R.T.: 15.223 min
Delta R.T.: -0.006 min
Response: 2818790
Conc: 17.92 ug/ml



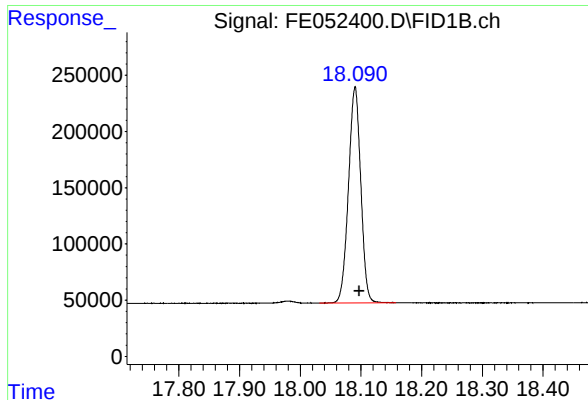
#15 n-Hexacosane (C26)

R.T.: 16.247 min
Delta R.T.: -0.006 min
Response: 2758742
Conc: 17.81 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.200 min
Delta R.T.: -0.007 min
Response: 2695406
Conc: 17.62 ug/ml



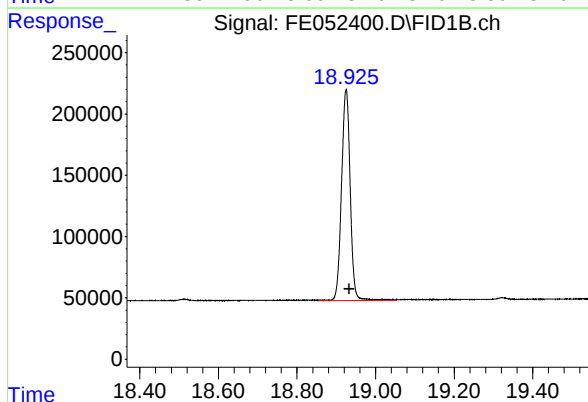
#17 n-Tricontane (C30)

R.T.: 18.090 min
Delta R.T.: -0.007 min
Response: 2702495
Conc: 17.31 ug/ml

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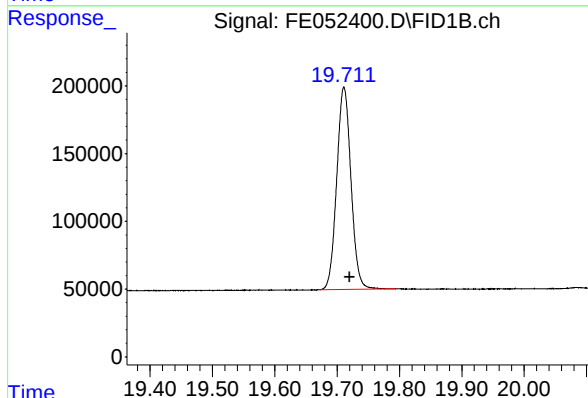
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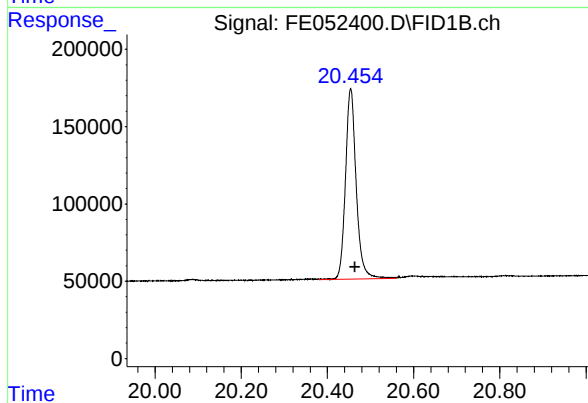
#18 n-Dotriacontane (C32)

R.T.: 18.925 min
Delta R.T.: -0.008 min
Response: 2650823
Conc: 17.32 ug/ml m



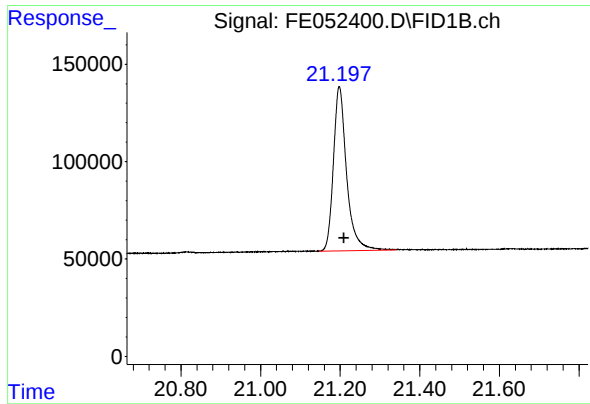
#19 n-Tetratriacontane (C34)

R.T.: 19.711 min
Delta R.T.: -0.010 min
Response: 2374767
Conc: 16.69 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.454 min
Delta R.T.: -0.010 min
Response: 2125264
Conc: 17.05 ug/ml m



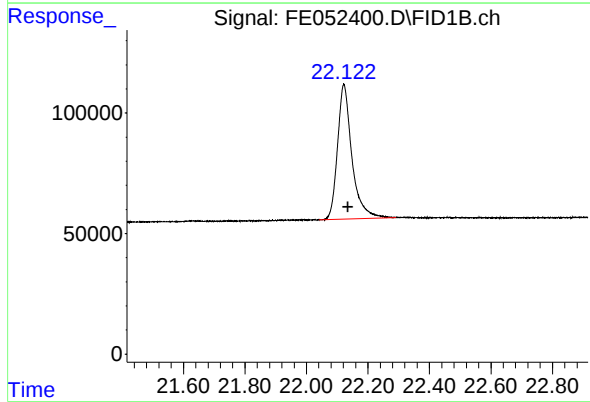
#21 n-Octatriacontane (C38)

R.T.: 21.197 min
Delta R.T.: -0.013 min
Response: 1938660
Conc: 17.74 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.122 min
Delta R.T.: -0.014 min
Response: 1814302
Conc: 18.04 ug/ml