

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111622AL\
 Data File : FE038797.D
 Signal(s) : FID1B.ch
 Acq On : 16 Nov 2022 14:29
 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 11/17/2022
 Supervised By :Ankita Jodhani 11/17/2022

Integration File: autoint1.e
 Quant Time: Nov 17 03:33:08 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 102522.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 26 04:49:29 2022
 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)	11.961	2815808	16.364 ug/ml
Spiked Amount 50.000		Recovery =	32.73%
12) S 1-chlorooctadecane (S...	13.395	2197399	16.051 ug/ml
Spiked Amount 50.000		Recovery =	32.10%
Target Compounds			
1) T n-Nonane (C9)	3.353	2609143	16.941 ug/ml
2) T n-Decane (C10)	4.603	2684875	17.297 ug/ml
3) T A~Naphthalene (C11.7)	6.307	2904764	17.152 ug/ml
4) T n-Dodecane (C12)	6.766	2676794	17.135 ug/ml
5) T A~2-methylnaphthalene...	7.402	2828389	16.877 ug/ml
6) T n-Tetradecane (C14)	8.593	2669193	17.068 ug/ml
7) T n-Hexadecane (C16)	10.198	2689022	17.020 ug/ml
8) T n-Octadecane (C18)	11.641	2685021	16.763 ug/ml
10) T n-Eicosane (C20)	12.950	2649822	16.446 ug/ml
11) T n-Heneicosane (C21)	13.562	2622756	16.237 ug/ml
13) T n-Docosane (C22)	14.148	2612857	16.185 ug/ml
14) T n-Tetracosane (C24)	15.250	2580548	16.088 ug/ml
15) T n-Hexacosane (C26)	16.271	2541861	16.003 ug/ml
16) T n-Octacosane (C28)	17.220	2580297	16.446 ug/ml
17) T n-Tricontane (C30)	18.107	2791505	17.495 ug/mlm
18) T n-Dotriacontane (C32)	18.939	2937872	18.633 ug/ml
19) T n-Tetratriacontane (C34)	19.723	2835707	19.235 ug/mlm
20) T n-Hexatriacontane (C36)	20.464	2873039	20.107 ug/ml
21) T n-Octatriacontane (C38)	21.207	2891857	21.411 ug/ml
22) T n-Tetracontane (C40)	22.135	2942710	23.312 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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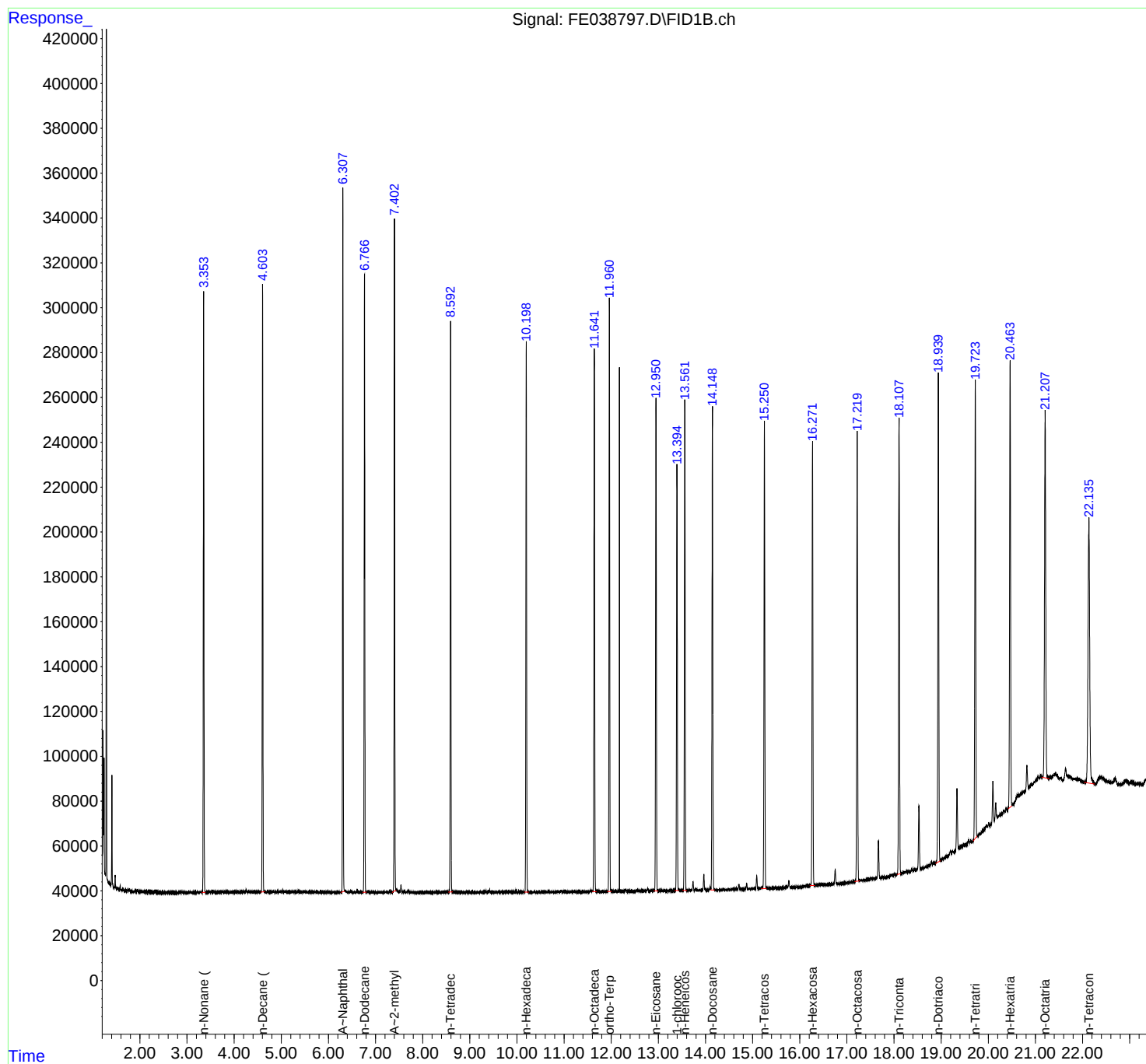
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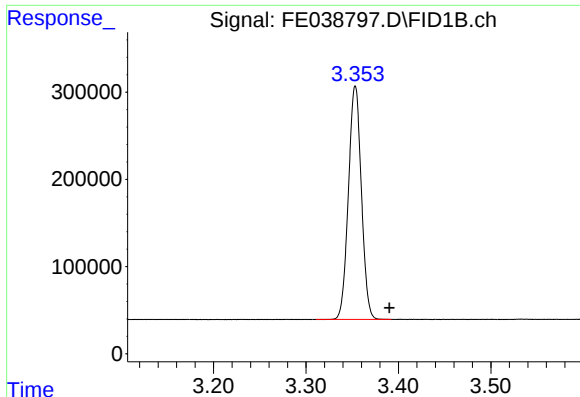
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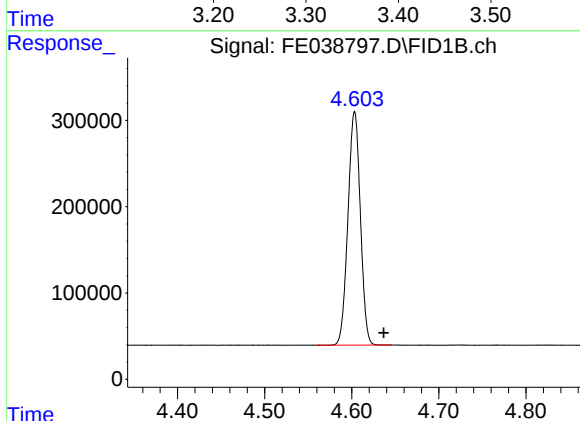
#1 n-Nonane (C9)

R.T.: 3.353 min
Delta R.T.: -0.037 min
Response: 2609143
Conc: 16.94 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

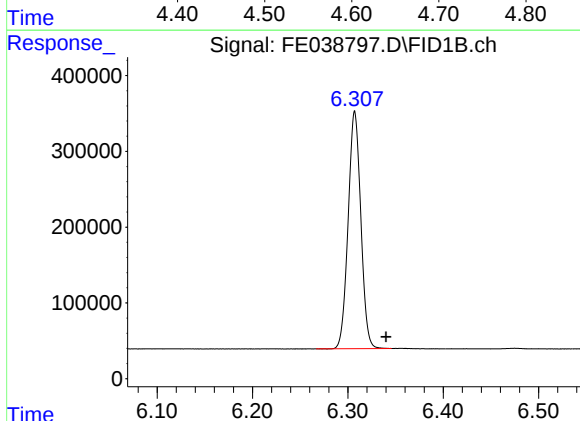
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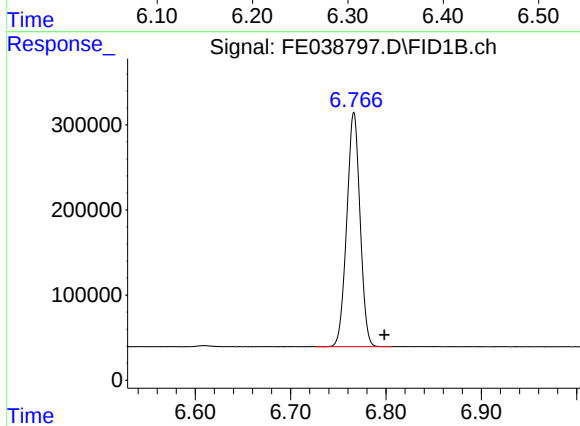
#2 n-Decane (C10)

R.T.: 4.603 min
Delta R.T.: -0.033 min
Response: 2684875
Conc: 17.30 ug/ml



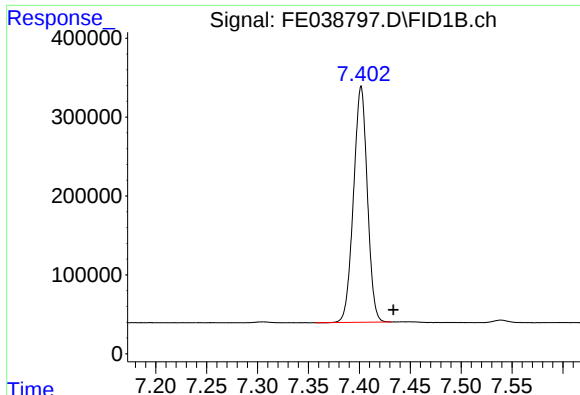
#3 A~Naphthalene (C11.7)

R.T.: 6.307 min
Delta R.T.: -0.033 min
Response: 2904764
Conc: 17.15 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.766 min
Delta R.T.: -0.032 min
Response: 2676794
Conc: 17.14 ug/ml



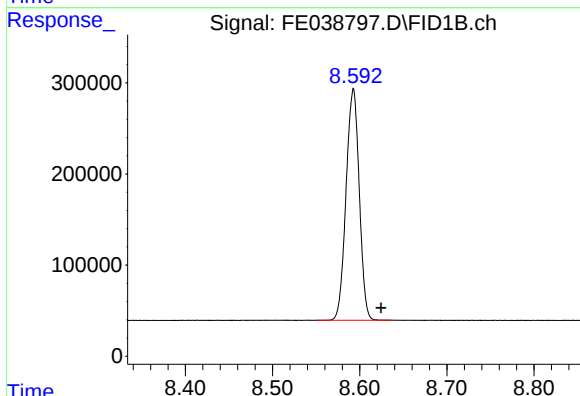
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.402 min
Delta R.T.: -0.032 min
Response: 2828389
Conc: 16.88 ug/ml

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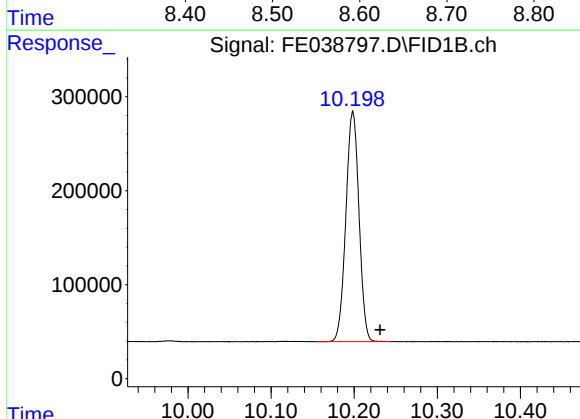
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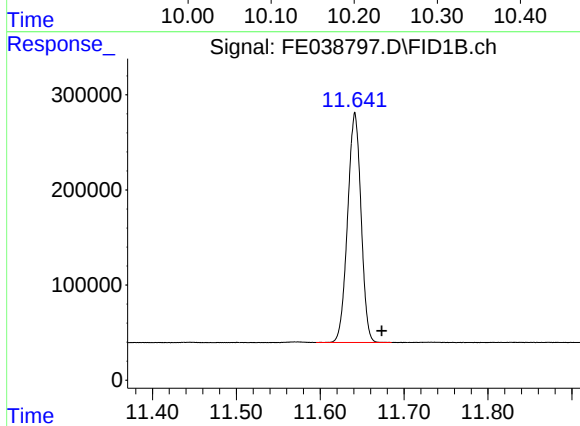
#6 n-Tetradecane (C14)

R.T.: 8.593 min
Delta R.T.: -0.032 min
Response: 2669193
Conc: 17.07 ug/ml



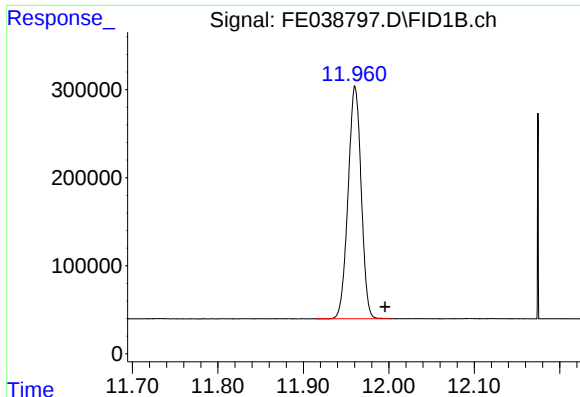
#7 n-Hexadecane (C16)

R.T.: 10.198 min
Delta R.T.: -0.033 min
Response: 2689022
Conc: 17.02 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.641 min
Delta R.T.: -0.032 min
Response: 2685021
Conc: 16.76 ug/ml



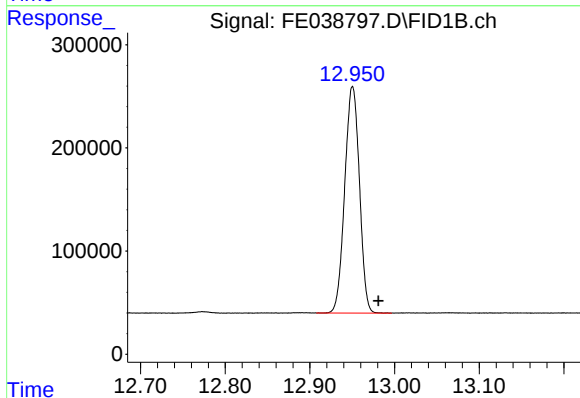
#9 ortho-Terphenyl (SURR)

R.T.: 11.961 min
Delta R.T.: -0.035 min
Response: 2815808
Conc: 16.36 ug/ml

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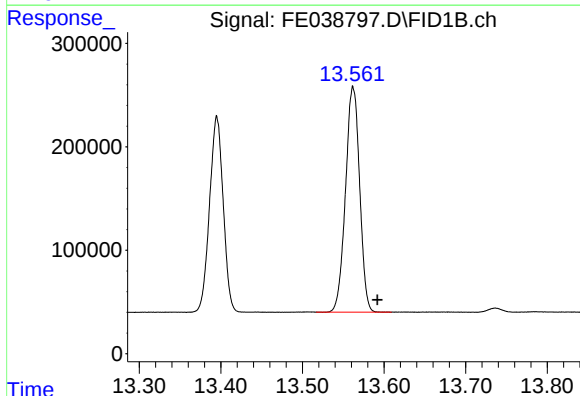
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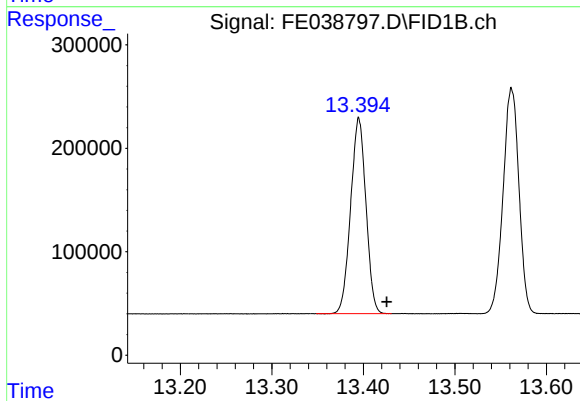
#10 n-Eicosane (C20)

R.T.: 12.950 min
Delta R.T.: -0.031 min
Response: 2649822
Conc: 16.45 ug/ml



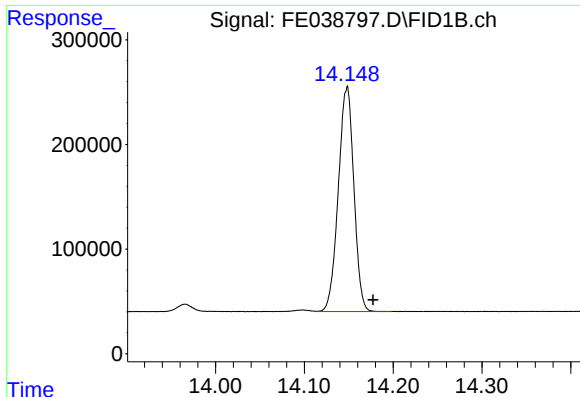
#11 n-Heneicosane (C21)

R.T.: 13.562 min
Delta R.T.: -0.030 min
Response: 2622756
Conc: 16.24 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.395 min
Delta R.T.: -0.031 min
Response: 2197399
Conc: 16.05 ug/ml



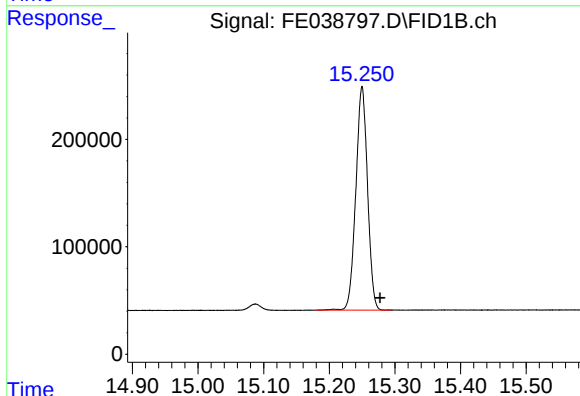
#13 n-Docosane (C22)

R.T.: 14.148 min
Delta R.T.: -0.029 min
Response: 2612857
Conc: 16.18 ug/ml

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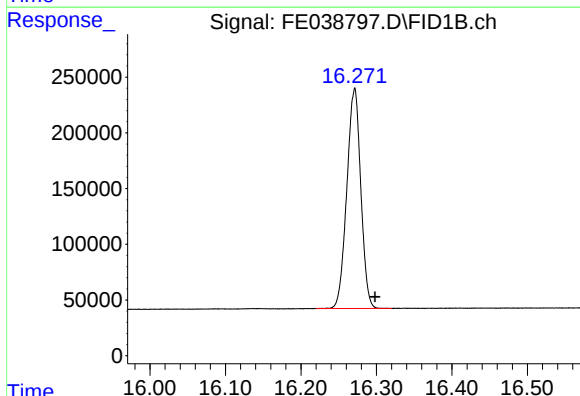
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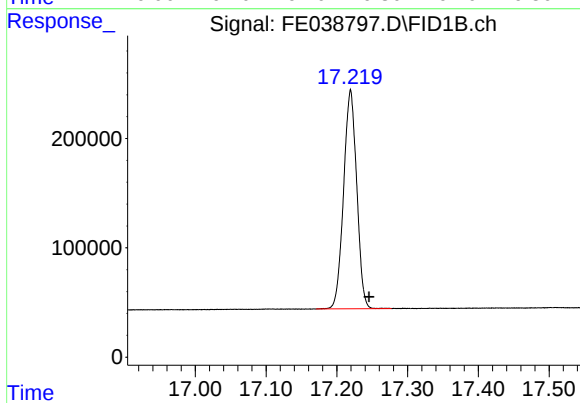
#14 n-Tetracosane (C24)

R.T.: 15.250 min
Delta R.T.: -0.027 min
Response: 2580548
Conc: 16.09 ug/ml



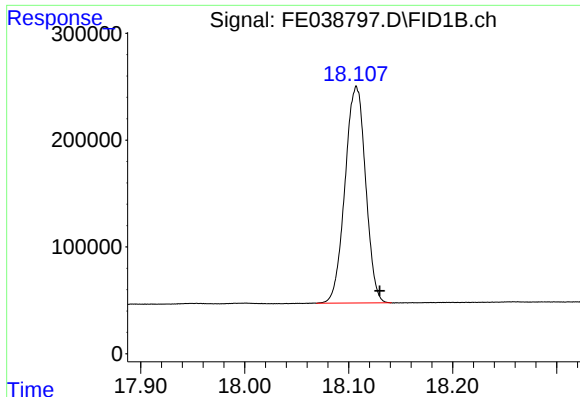
#15 n-Hexacosane (C26)

R.T.: 16.271 min
Delta R.T.: -0.027 min
Response: 2541861
Conc: 16.00 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.220 min
Delta R.T.: -0.026 min
Response: 2580297
Conc: 16.45 ug/ml



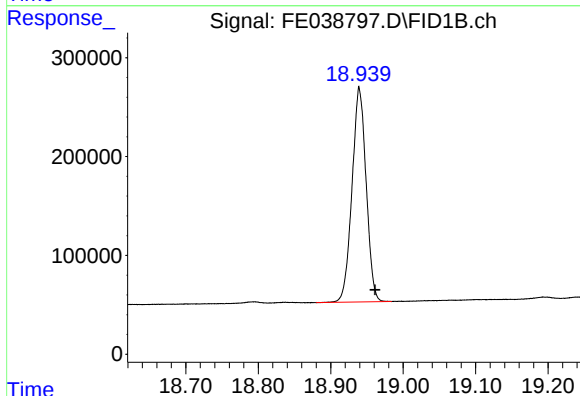
#17 n-Tricontane (C30)

R.T.: 18.107 min
Delta R.T.: -0.023 min
Response: 2791505
Conc: 17.50 ug/ml

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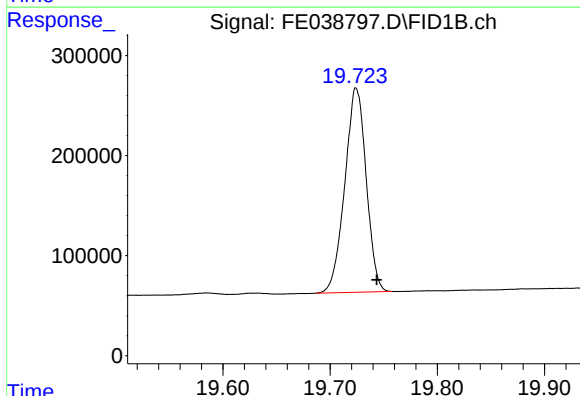
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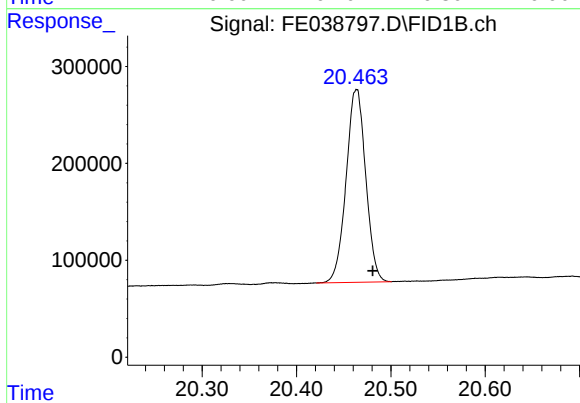
#18 n-Dotriacontane (C32)

R.T.: 18.939 min
Delta R.T.: -0.022 min
Response: 2937872
Conc: 18.63 ug/ml



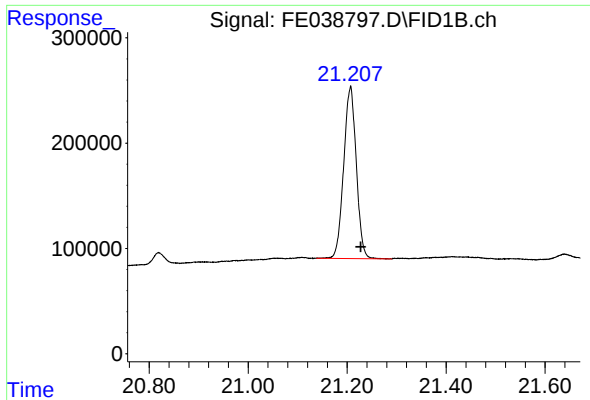
#19 n-Tetratriacontane (C34)

R.T.: 19.723 min
Delta R.T.: -0.020 min
Response: 2835707
Conc: 19.23 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.464 min
Delta R.T.: -0.017 min
Response: 2873039
Conc: 20.11 ug/ml



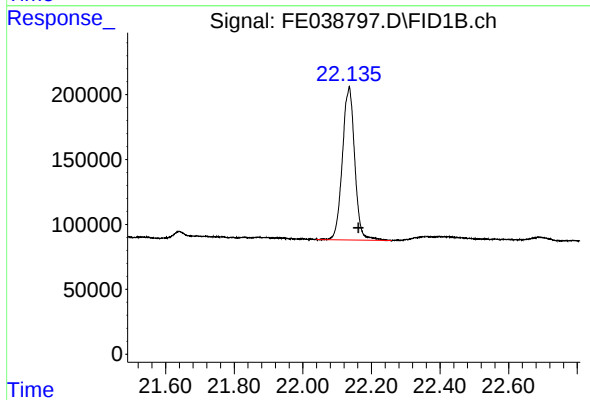
#21 n-Octatriacontane (C38)

R.T.: 21.207 min
Delta R.T.: -0.020 min
Response: 2891857
Conc: 21.41 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.135 min
Delta R.T.: -0.027 min
Response: 2942710
Conc: 23.31 ug/ml