

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112123AL\
 Data File : FE045471.D
 Signal(s) : FID1B.ch
 Acq On : 21 Nov 2023 12:29
 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 11/22/2023
 Supervised By :Ankita Jodhani 11/22/2023

Integration File: autoint1.e
 Quant Time: Nov 21 22:51:44 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110423.M
 Quant Title : GC Extractables
 QLast Update : Sat Nov 04 05:16:05 2023
 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)	11.870	3687296	19.313 ug/ml
Spiked Amount 50.000		Recovery =	38.63%
12) S 1-chlorooctadecane (S...	13.313	2567877	18.643 ug/ml
Spiked Amount 50.000		Recovery =	37.29%
Target Compounds			
1) T n-Nonane (C9)	3.258	3177588	19.235 ug/ml
2) T n-Decane (C10)	4.509	3252013	19.394 ug/ml
3) T A~Naphthalene (C11.7)	6.209	3394377	19.016 ug/ml
4) T n-Dodecane (C12)	6.676	3239786	19.183 ug/ml
5) T A~2-methylnaphthalene...	7.305	3224756	18.779 ug/ml
6) T n-Tetradecane (C14)	8.502	3175494	19.053 ug/ml
7) T n-Hexadecane (C16)	10.112	3209769	19.083 ug/ml
8) T n-Octadecane (C18)	11.557	3204232	19.145 ug/ml
10) T n-Eicosane (C20)	12.868	3046605	19.233 ug/ml
11) T n-Heneicosane (C21)	13.480	2950100	19.187 ug/ml
13) T n-Docosane (C22)	14.069	2964534	19.566 ug/ml
14) T n-Tetracosane (C24)	15.172	3014952	20.356 ug/mlm
15) T n-Hexacosane (C26)	16.197	3053133	20.947 ug/ml
16) T n-Octacosane (C28)	17.148	3196166	21.872 ug/ml
17) T n-Tricontane (C30)	18.038	3425029	22.548 ug/ml
18) T n-Dotriacontane (C32)	18.872	3537945	22.647 ug/ml
19) T n-Tetratriacontane (C34)	19.658	3251854	20.827 ug/ml
20) T n-Hexatriacontane (C36)	20.400	3200966	19.720 ug/ml
21) T n-Octatriacontane (C38)	21.133	3122620	18.795 ug/mlm
22) T n-Tetracontane (C40)	22.043	2864839	16.772 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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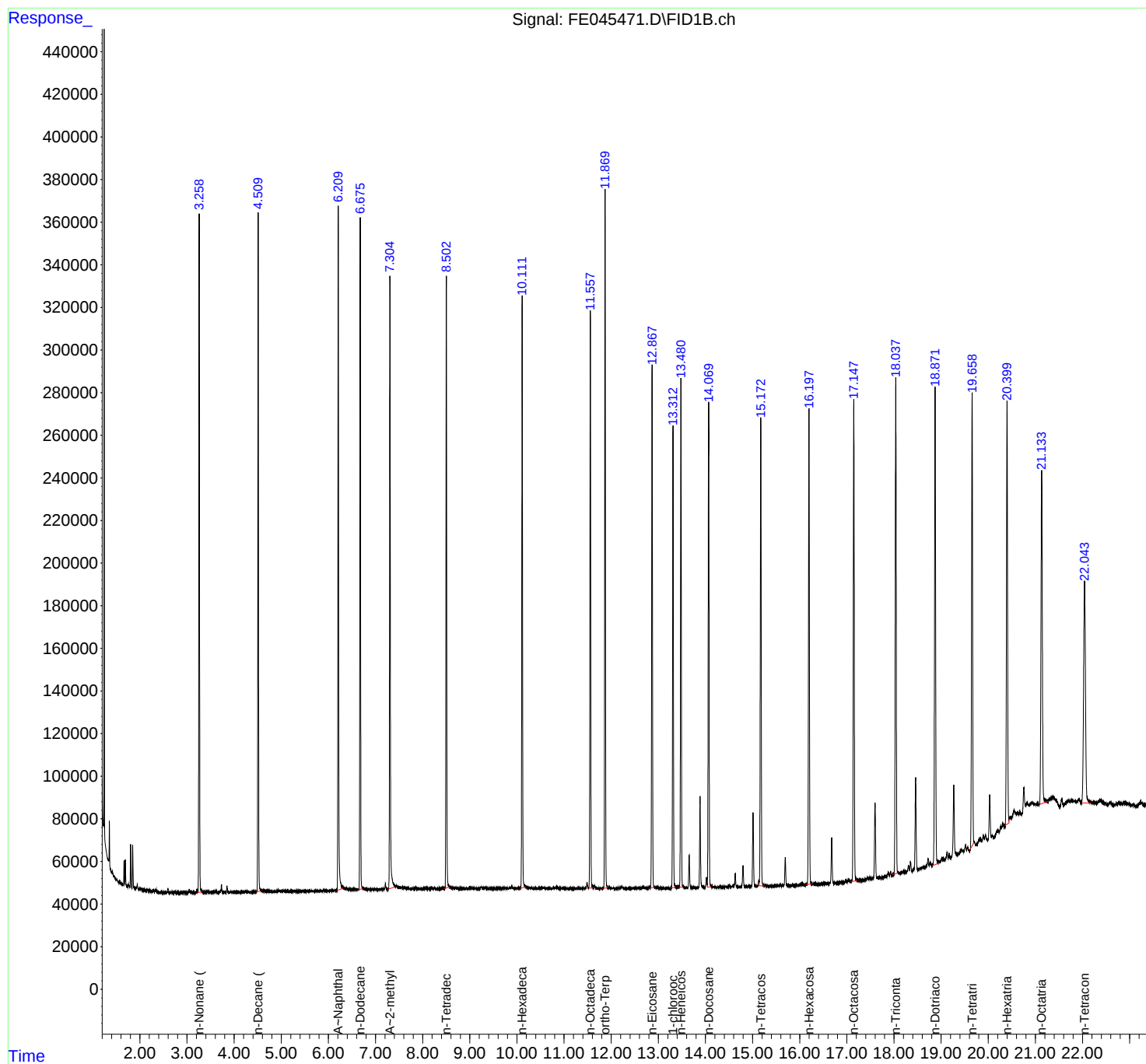
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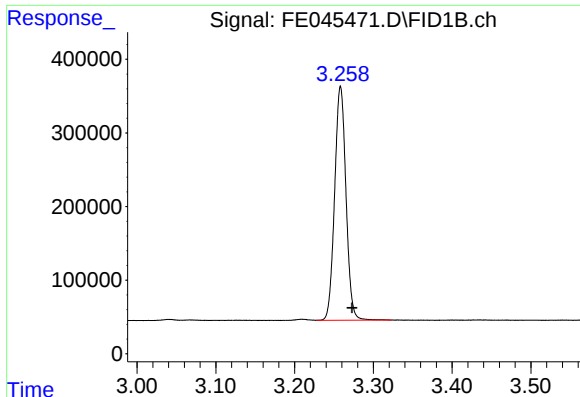
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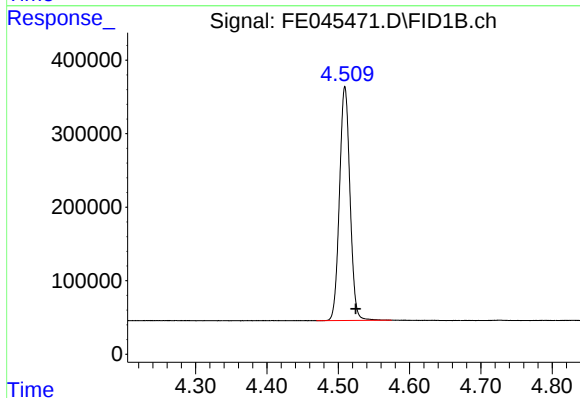
#1 n-Nonane (C9)

R.T.: 3.258 min
Delta R.T.: -0.015 min
Response: 3177588
Conc: 19.23 ug/ml

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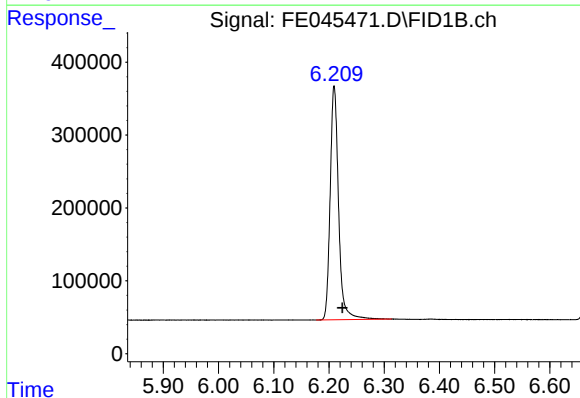
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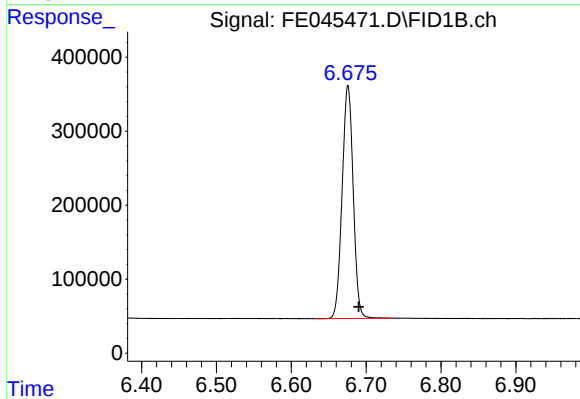
#2 n-Decane (C10)

R.T.: 4.509 min
Delta R.T.: -0.015 min
Response: 3252013
Conc: 19.39 ug/ml



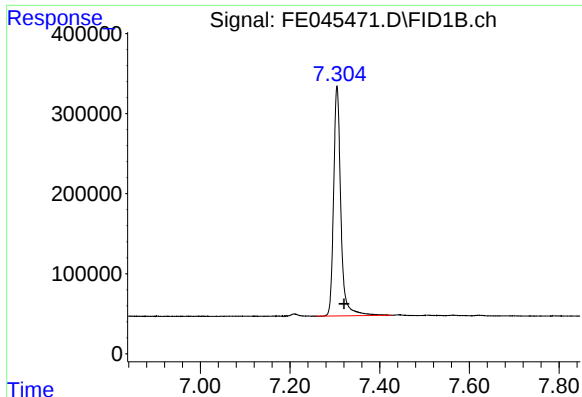
#3 A~Naphthalene (C11.7)

R.T.: 6.209 min
Delta R.T.: -0.015 min
Response: 3394377
Conc: 19.02 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.676 min
Delta R.T.: -0.014 min
Response: 3239786
Conc: 19.18 ug/ml



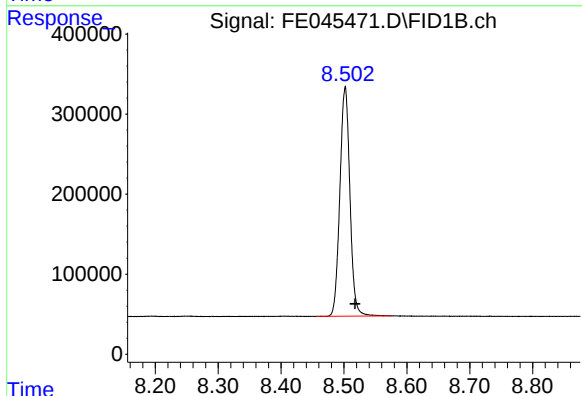
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.305 min
Delta R.T.: -0.016 min
Response: 3224756
Conc: 18.78 ug/ml

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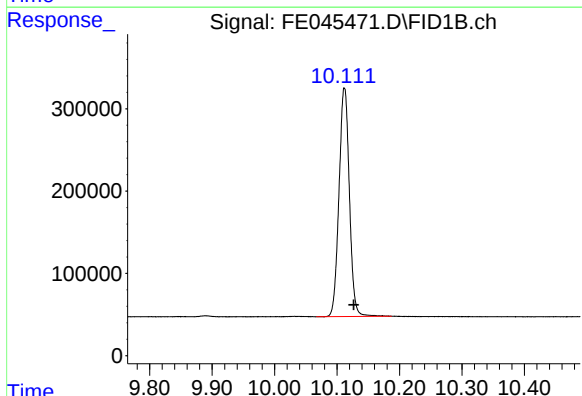
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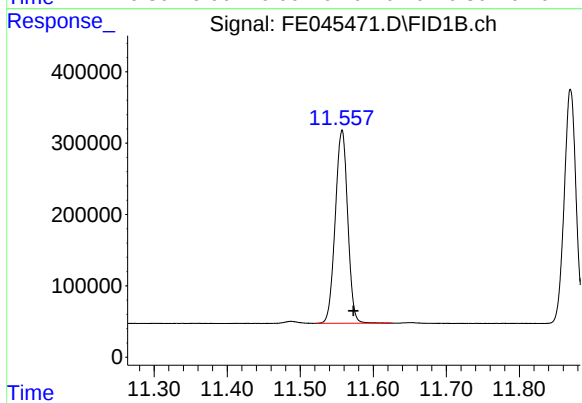
#6 n-Tetradecane (C14)

R.T.: 8.502 min
Delta R.T.: -0.016 min
Response: 3175494
Conc: 19.05 ug/ml



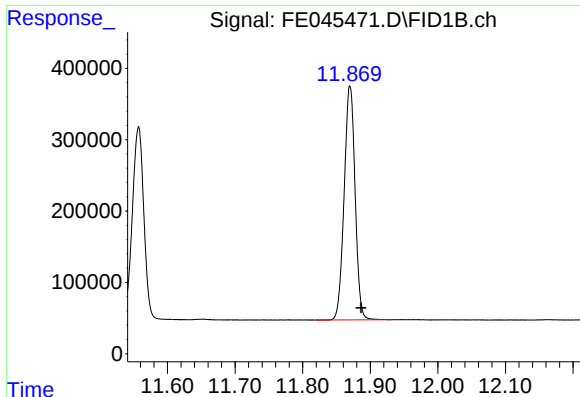
#7 n-Hexadecane (C16)

R.T.: 10.112 min
Delta R.T.: -0.015 min
Response: 3209769
Conc: 19.08 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.557 min
Delta R.T.: -0.016 min
Response: 3204232
Conc: 19.14 ug/ml



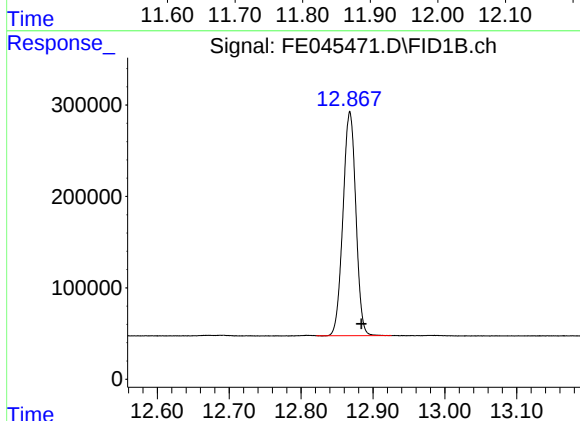
#9 ortho-Terphenyl (SURR)

R.T.: 11.870 min
Delta R.T.: -0.017 min
Response: 3687296
Conc: 19.31 ug/ml

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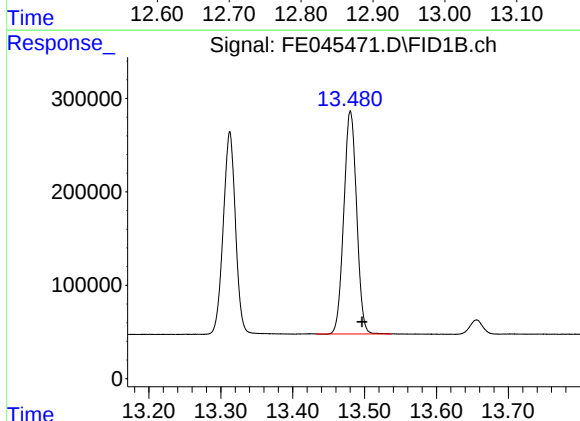
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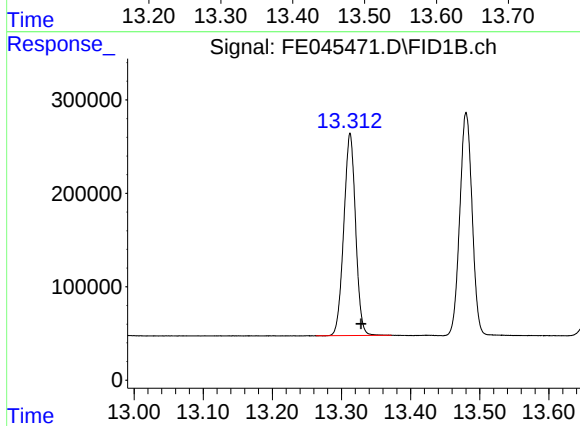
#10 n-Eicosane (C20)

R.T.: 12.868 min
Delta R.T.: -0.016 min
Response: 3046605
Conc: 19.23 ug/ml



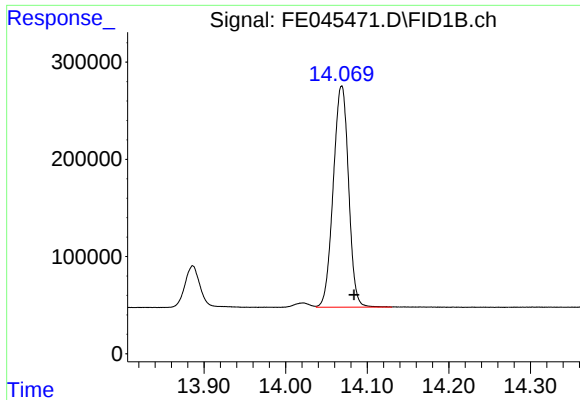
#11 n-Heneicosane (C21)

R.T.: 13.480 min
Delta R.T.: -0.016 min
Response: 2950100
Conc: 19.19 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.313 min
Delta R.T.: -0.016 min
Response: 2567877
Conc: 18.64 ug/ml



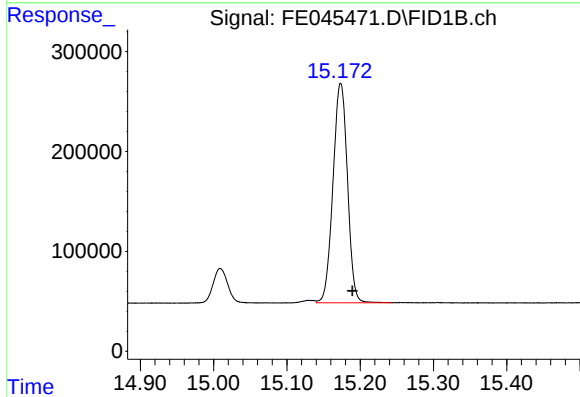
#13 n-Docosane (C22)

R.T.: 14.069 min
Delta R.T.: -0.015 min
Response: 2964534
Conc: 19.57 ug/ml

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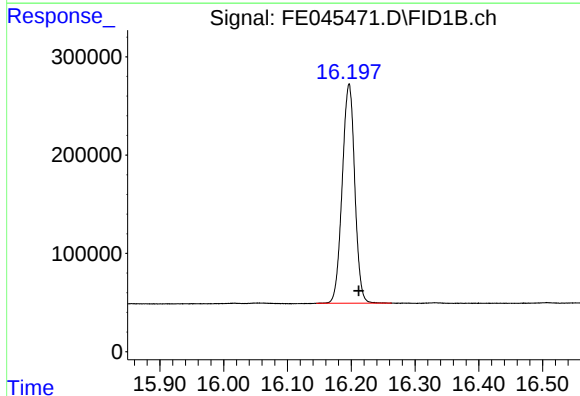
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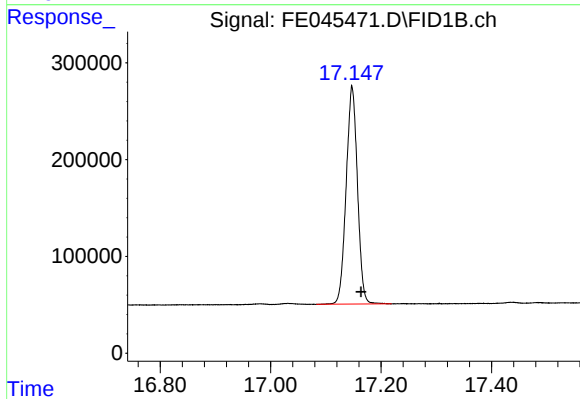
#14 n-Tetracosane (C24)

R.T.: 15.172 min
Delta R.T.: -0.017 min
Response: 3014952
Conc: 20.36 ug/ml m



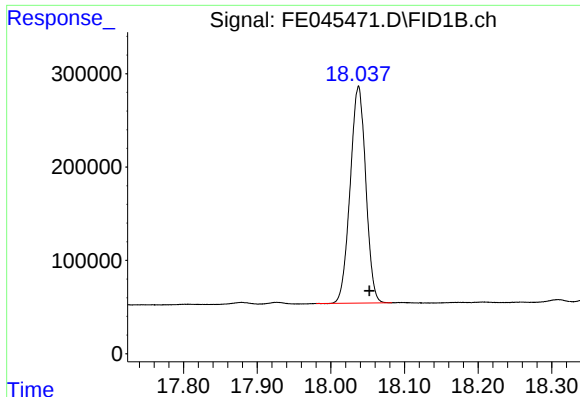
#15 n-Hexacosane (C26)

R.T.: 16.197 min
Delta R.T.: -0.015 min
Response: 3053133
Conc: 20.95 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.148 min
Delta R.T.: -0.016 min
Response: 3196166
Conc: 21.87 ug/ml



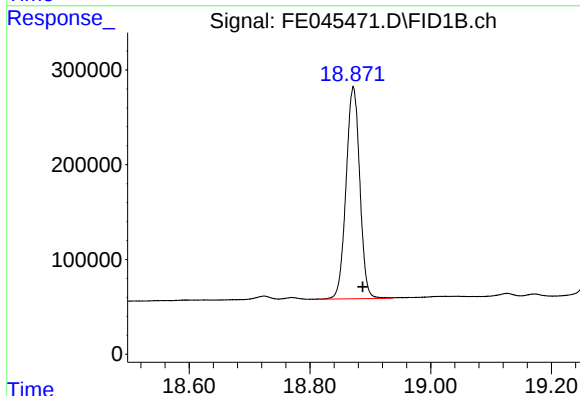
#17 n-Tricontane (C30)

R.T.: 18.038 min
Delta R.T.: -0.015 min
Response: 3425029
Conc: 22.55 ug/ml

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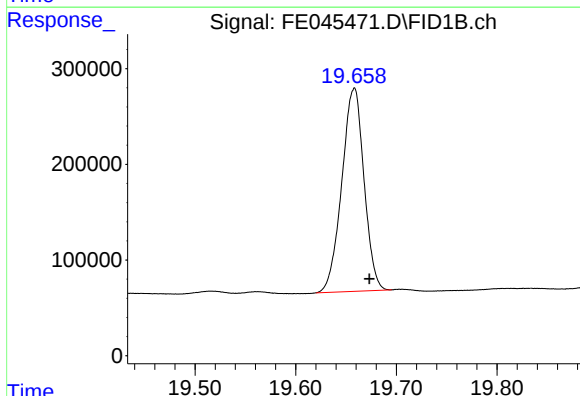
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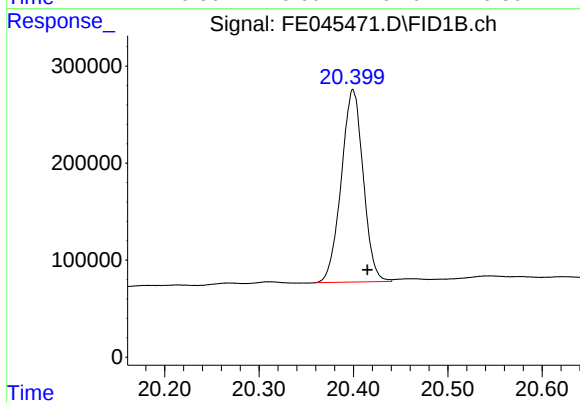
#18 n-Dotriacontane (C32)

R.T.: 18.872 min
Delta R.T.: -0.016 min
Response: 3537945
Conc: 22.65 ug/ml



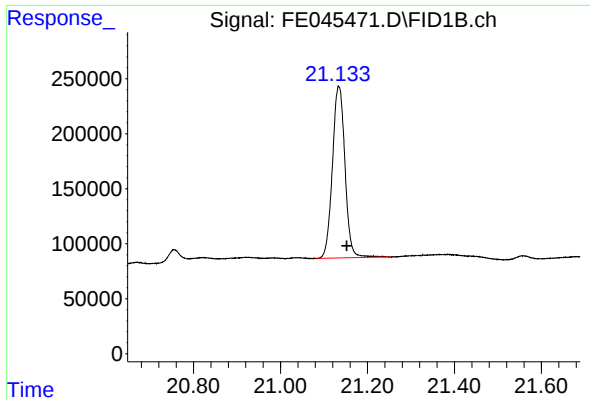
#19 n-Tetratriacontane (C34)

R.T.: 19.658 min
Delta R.T.: -0.015 min
Response: 3251854
Conc: 20.83 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.400 min
Delta R.T.: -0.015 min
Response: 3200966
Conc: 19.72 ug/ml



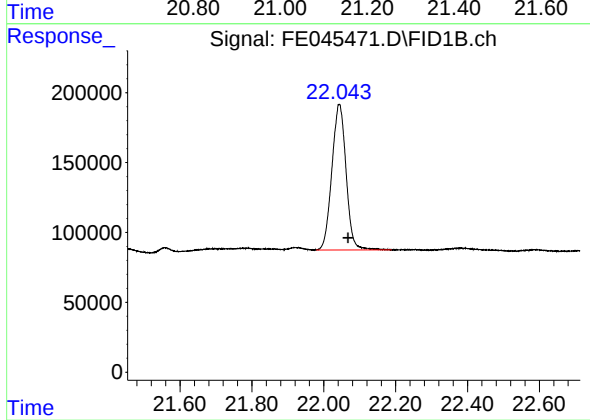
#21 n-Octatriacontane (C38)

R.T.: 21.133 min
Delta R.T.: -0.020 min
Response: 3122620
Conc: 18.79 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.043 min
Delta R.T.: -0.025 min
Response: 2864839
Conc: 16.77 ug/ml