

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061925AL\
 Data File : FE054497.D
 Signal(s) : FID1B.ch
 Acq On : 19 Jun 2025 13:24
 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 06/20/2025
 Supervised By :mohammad ahmed 06/23/2025

Integration File: autoint1.e
 Quant Time: Jun 20 02:12:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
 Quant Title : GC Extractables
 QLast Update : Tue Jun 10 07:24:04 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)	11.824	3234506	19.575 ug/ml
Spiked Amount 50.000		Recovery =	39.15%
12) S 1-chlorooctadecane (S...	13.269	2411749	19.777 ug/ml
Spiked Amount 50.000		Recovery =	39.55%
Target Compounds			
1) T n-Nonane (C9)	3.172	2410706	19.413 ug/ml
2) T n-Decane (C10)	4.435	2464329	19.833 ug/ml
3) T A~Naphthalene (C11.7)	6.150	2573667	19.044 ug/ml
4) T n-Dodecane (C12)	6.617	2525341	19.833 ug/ml
5) T A~2-methylnaphthalene...	7.252	2599114	19.623 ug/mlm
6) T n-Tetradecane (C14)	8.451	2542076	19.635 ug/ml
7) T n-Hexadecane (C16)	10.064	2609683	19.645 ug/ml
8) T n-Octadecane (C18)	11.510	2646803	19.601 ug/ml
10) T n-Eicosane (C20)	12.823	2621684	19.597 ug/ml
11) T n-Heneicosane (C21)	13.437	2612085	19.644 ug/ml
13) T n-Docosane (C22)	14.024	2591391	19.763 ug/ml
14) T n-Tetracosane (C24)	15.129	2581651	20.014 ug/ml
15) T n-Hexacosane (C26)	16.153	2532859	20.178 ug/ml
16) T n-Octacosane (C28)	17.103	2552166	20.812 ug/ml
17) T n-Tricontane (C30)	17.994	2721560	21.958 ug/ml
18) T n-Dotriacontane (C32)	18.827	2813135	22.390 ug/ml
19) T n-Tetratriacontane (C34)	19.613	2713696	21.813 ug/mlm
20) T n-Hexatriacontane (C36)	20.354	2692754	20.918 ug/ml
21) T n-Octatriacontane (C38)	21.082	2625832	19.886 ug/ml
22) T n-Tetracontane (C40)	21.970	2584505	19.186 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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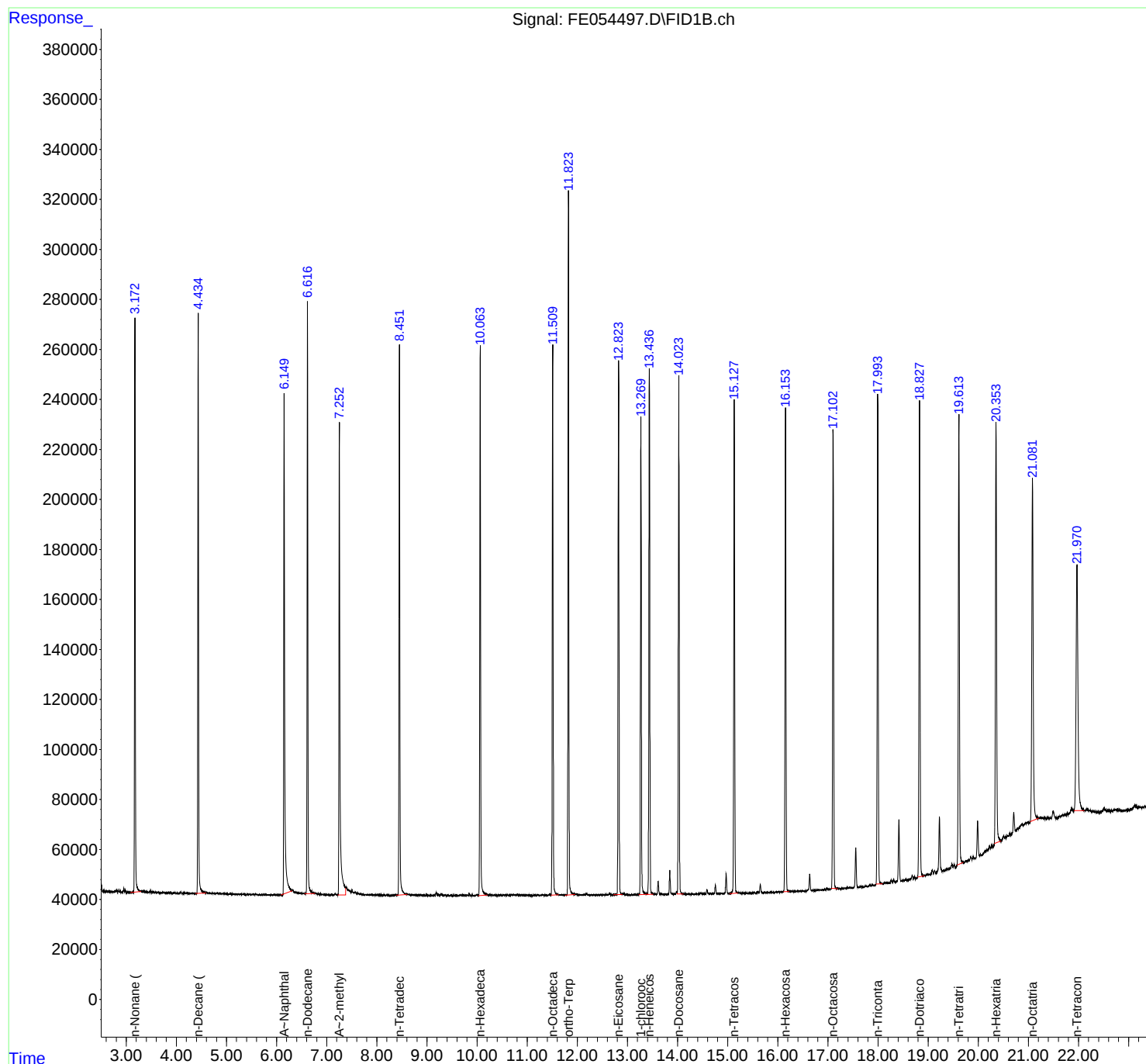
Instrument :
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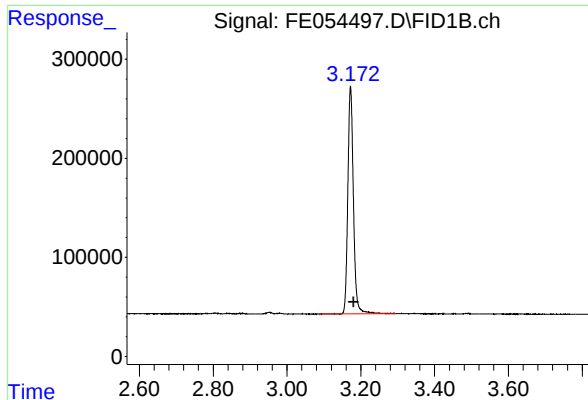
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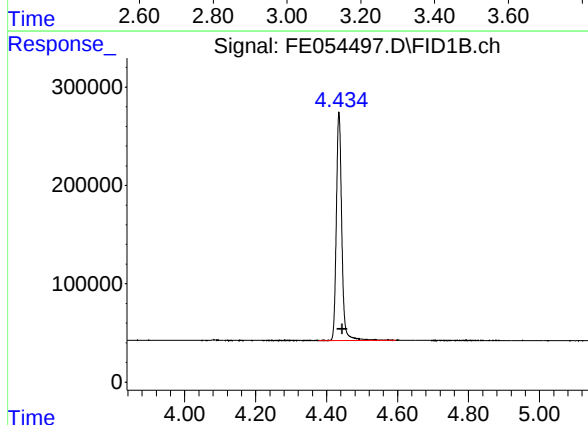
#1 n-Nonane (C9)

R.T.: 3.172 min
Delta R.T.: -0.009 min
Response: 2410706
Conc: 19.41 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

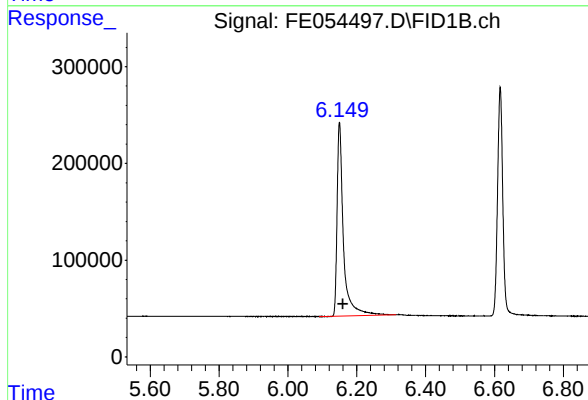
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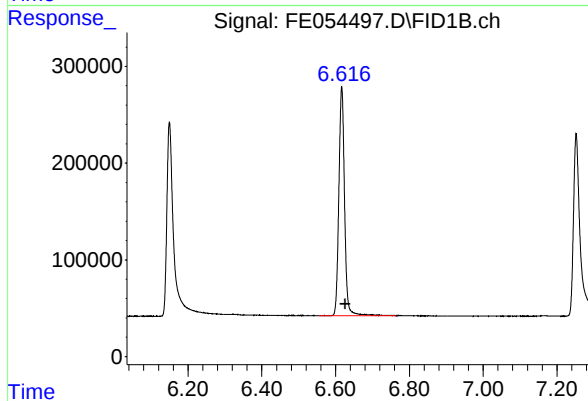
#2 n-Decane (C10)

R.T.: 4.435 min
Delta R.T.: -0.009 min
Response: 2464329
Conc: 19.83 ug/ml



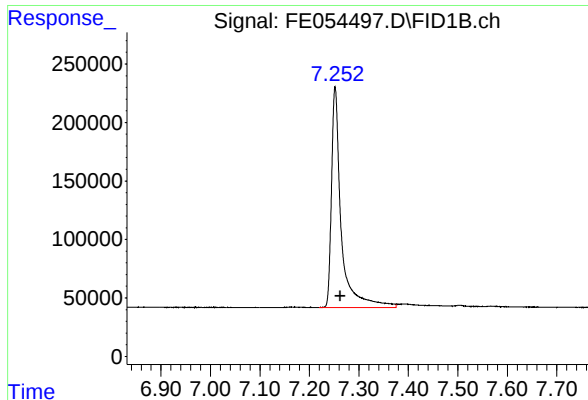
#3 A~Naphthalene (C11.7)

R.T.: 6.150 min
Delta R.T.: -0.010 min
Response: 2573667
Conc: 19.04 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.617 min
Delta R.T.: -0.010 min
Response: 2525341
Conc: 19.83 ug/ml



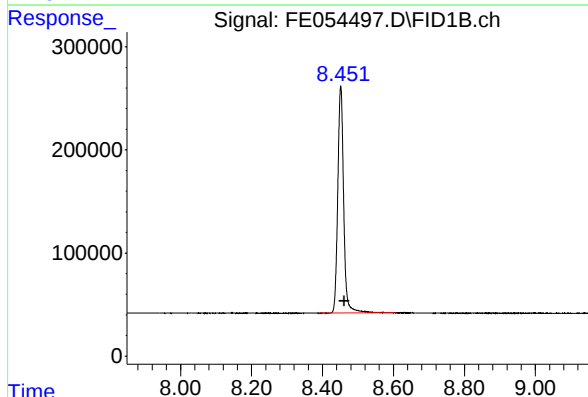
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.252 min
Delta R.T.: -0.011 min
Response: 2599114
Conc: 19.62 ug/ml

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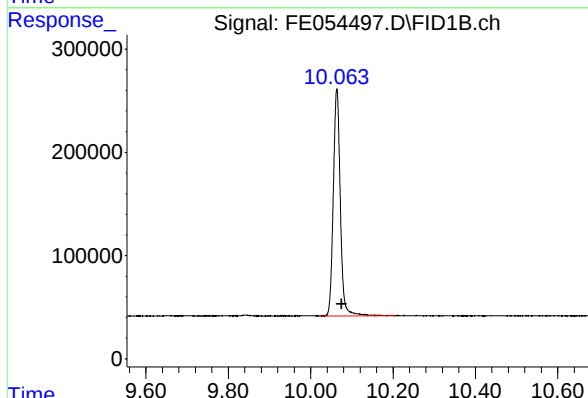
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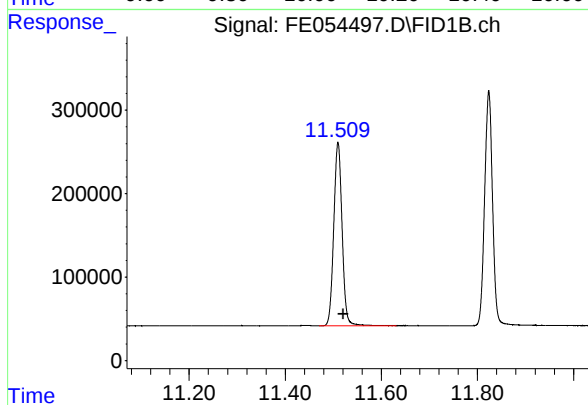
#6 n-Tetradecane (C14)

R.T.: 8.451 min
Delta R.T.: -0.010 min
Response: 2542076
Conc: 19.64 ug/ml



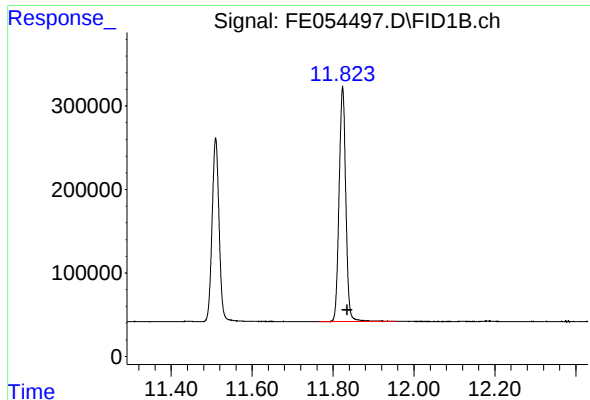
#7 n-Hexadecane (C16)

R.T.: 10.064 min
Delta R.T.: -0.011 min
Response: 2609683
Conc: 19.65 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.510 min
Delta R.T.: -0.011 min
Response: 2646803
Conc: 19.60 ug/ml



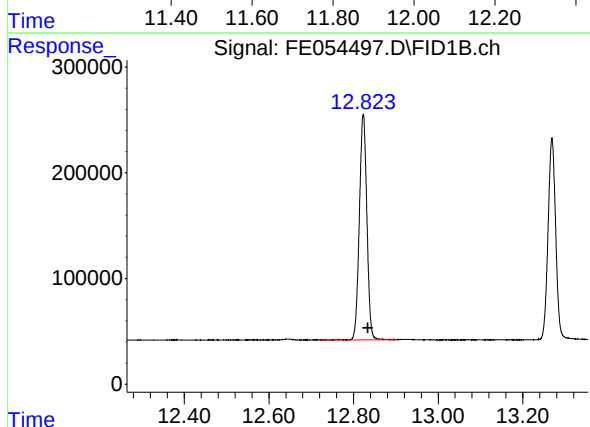
#9 ortho-Terphenyl (SURR)

R.T.: 11.824 min
Delta R.T.: -0.011 min
Response: 3234506
Conc: 19.58 ug/ml

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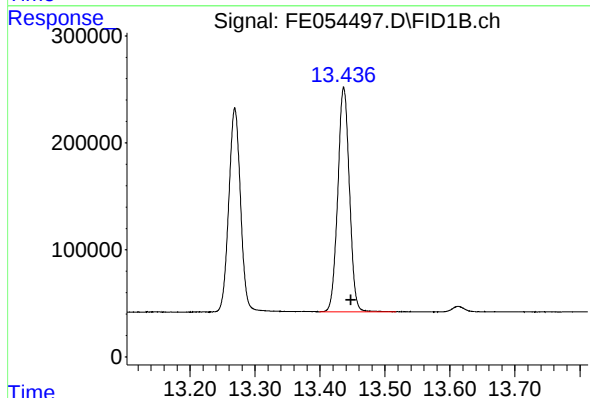
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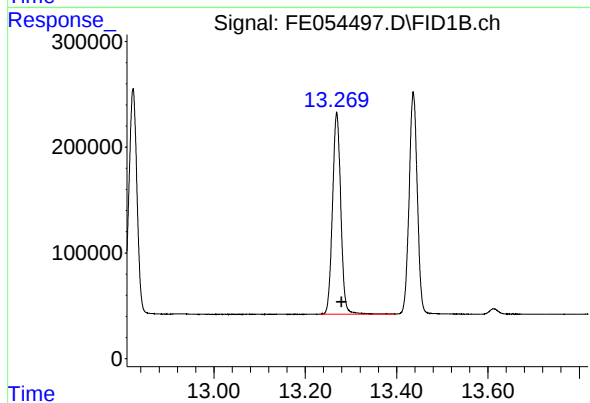
#10 n-Eicosane (C20)

R.T.: 12.823 min
Delta R.T.: -0.012 min
Response: 2621684
Conc: 19.60 ug/ml



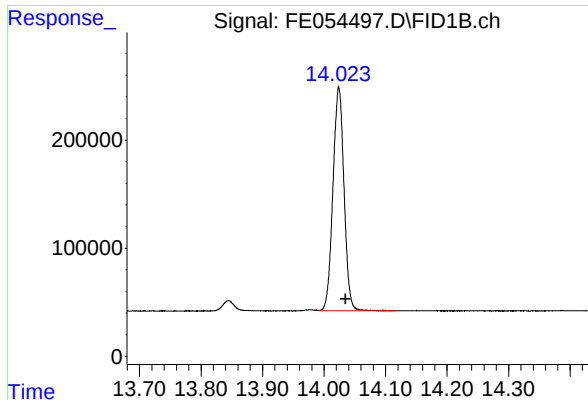
#11 n-Heneicosane (C21)

R.T.: 13.437 min
Delta R.T.: -0.011 min
Response: 2612085
Conc: 19.64 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.269 min
Delta R.T.: -0.011 min
Response: 2411749
Conc: 19.78 ug/ml



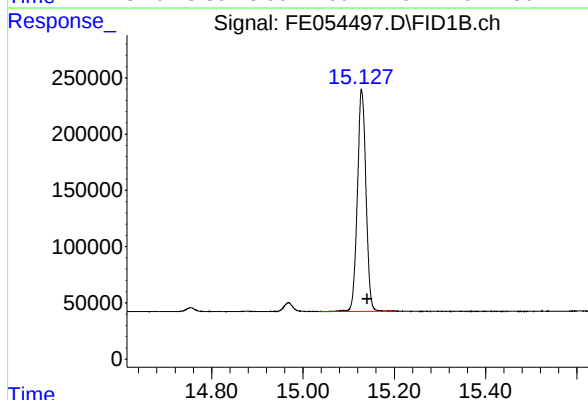
#13 n-Docosane (C22)

R.T.: 14.024 min
Delta R.T.: -0.011 min
Response: 2591391
Conc: 19.76 ug/ml

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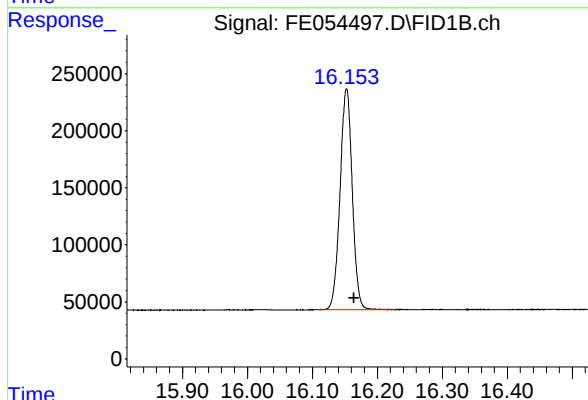
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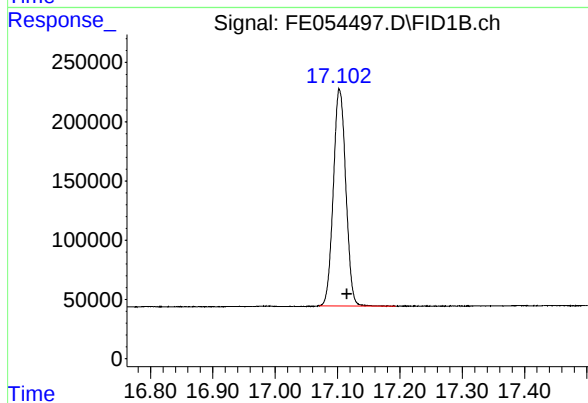
#14 n-Tetracosane (C24)

R.T.: 15.129 min
Delta R.T.: -0.013 min
Response: 2581651
Conc: 20.01 ug/ml



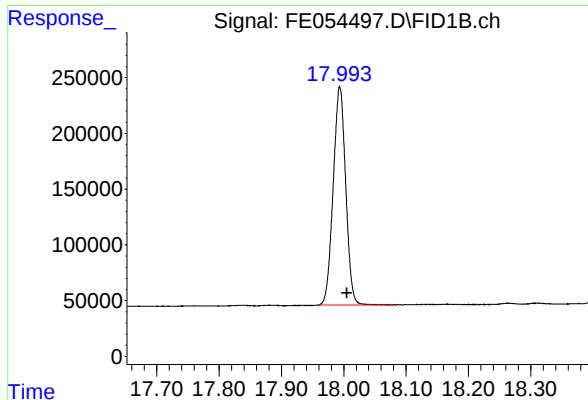
#15 n-Hexacosane (C26)

R.T.: 16.153 min
Delta R.T.: -0.012 min
Response: 2532859
Conc: 20.18 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.103 min
Delta R.T.: -0.012 min
Response: 2552166
Conc: 20.81 ug/ml



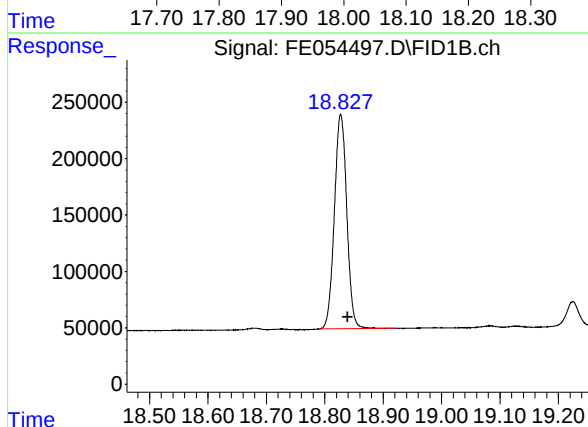
#17 n-Tricontane (C30)

R.T.: 17.994 min
Delta R.T.: -0.012 min
Response: 2721560
Conc: 21.96 ug/ml

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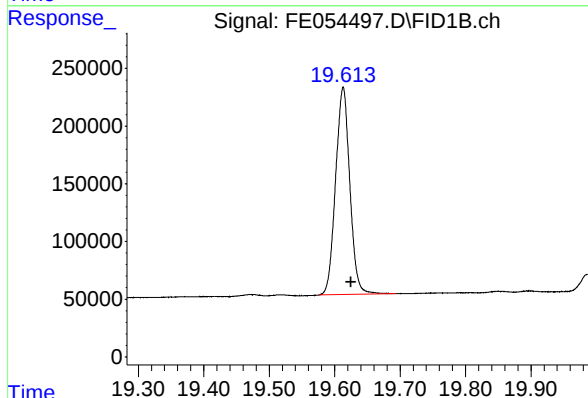
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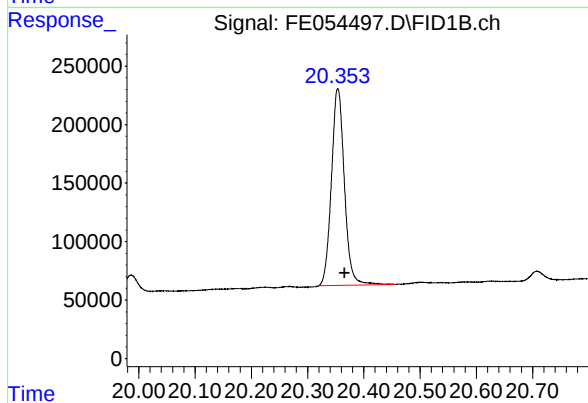
#18 n-Dotriacontane (C32)

R.T.: 18.827 min
Delta R.T.: -0.012 min
Response: 2813135
Conc: 22.39 ug/ml



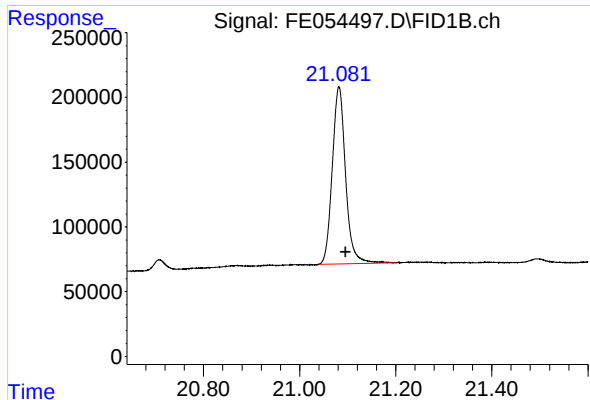
#19 n-Tetratriacontane (C34)

R.T.: 19.613 min
Delta R.T.: -0.012 min
Response: 2713696
Conc: 21.81 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.354 min
Delta R.T.: -0.012 min
Response: 2692754
Conc: 20.92 ug/ml



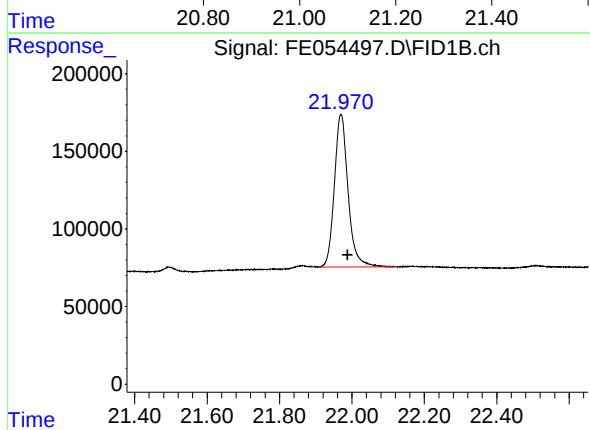
#21 n-Octatriacontane (C38)

R.T.: 21.082 min
Delta R.T.: -0.014 min
Response: 2625832
Conc: 19.89 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.970 min
Delta R.T.: -0.019 min
Response: 2584505
Conc: 19.19 ug/ml m