

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061325AL\
 Data File : FE054371.D
 Signal(s) : FID1B.ch
 Acq On : 13 Jun 2025 08:47
 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 06/13/2025
 Supervised By :mohammad ahmed 06/16/2025

Integration File: autoint1.e
 Quant Time: Jun 13 09:11:52 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)	11.822	3131592	18.952 ug/ml
Spiked Amount 50.000		Recovery =	37.90%
12) S 1-chlorooctadecane (S...	13.267	2350026	19.271 ug/ml
Spiked Amount 50.000		Recovery =	38.54%
Target Compounds			
1) T n-Nonane (C9)	3.173	2227791	17.940 ug/ml
2) T n-Decane (C10)	4.437	2244551	18.064 ug/ml
3) T A~Naphthalene (C11.7)	6.152	2488147	18.411 ug/ml
4) T n-Dodecane (C12)	6.618	2336835	18.352 ug/ml
5) T A~2-methylnaphthalene...	7.254	2511832	18.964 ug/ml
6) T n-Tetradecane (C14)	8.452	2380051	18.384 ug/ml
7) T n-Hexadecane (C16)	10.063	2457672	18.501 ug/ml
8) T n-Octadecane (C18)	11.510	2541509	18.821 ug/ml
10) T n-Eicosane (C20)	12.822	2532211	18.929 ug/ml
11) T n-Heneicosane (C21)	13.435	2530730	19.033 ug/ml
13) T n-Docosane (C22)	14.023	2519194	19.213 ug/ml
14) T n-Tetracosane (C24)	15.127	2501297	19.391 ug/ml
15) T n-Hexacosane (C26)	16.150	2439053	19.430 ug/ml
16) T n-Octacosane (C28)	17.100	2418037	19.718 ug/mlm
17) T n-Tricontane (C30)	17.989	2512996	20.276 ug/mlm
18) T n-Dotriacontane (C32)	18.822	2570448	20.458 ug/mlm
19) T n-Tetratriacontane (C34)	19.607	2513202	20.202 ug/mlm
20) T n-Hexatriacontane (C36)	20.348	2564148	19.919 ug/mlm
21) T n-Octatriacontane (C38)	21.073	2565253	19.428 ug/mlm
22) T n-Tetracontane (C40)	21.960	2614625	19.410 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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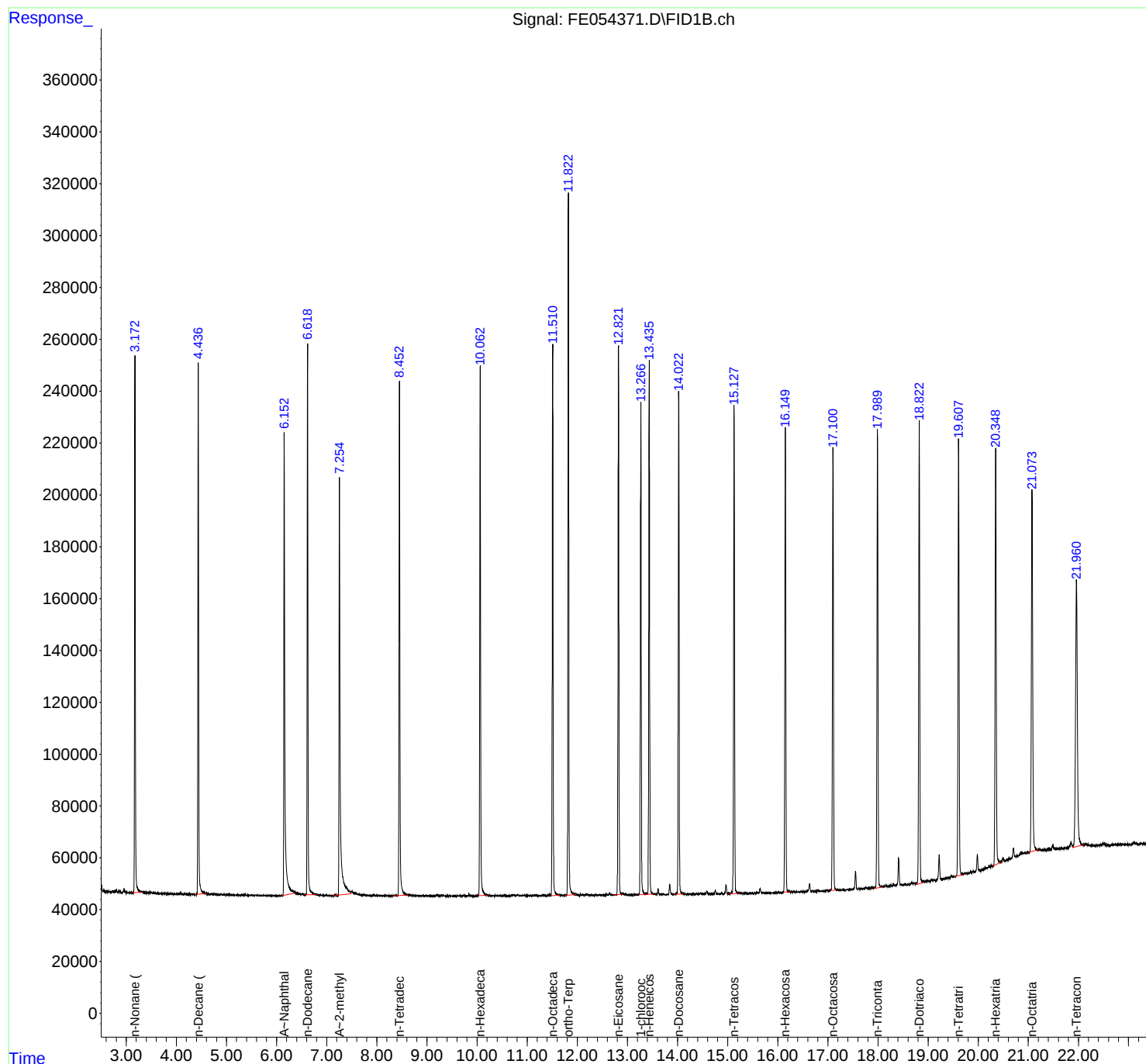
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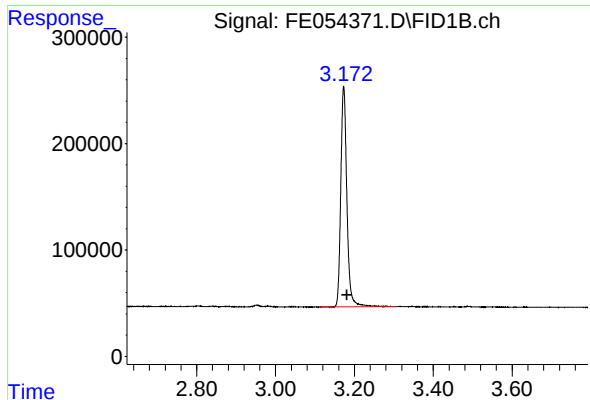
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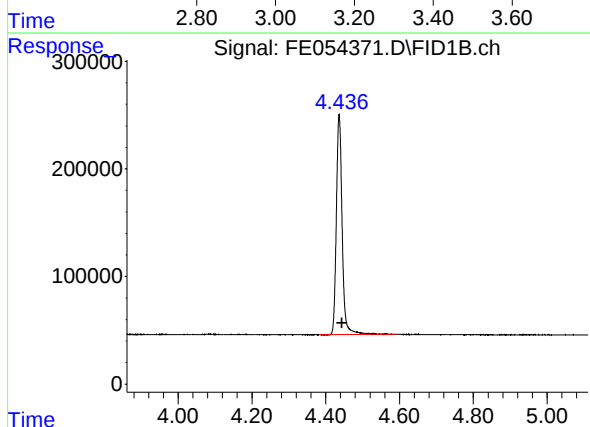
#1 n-Nonane (C9)

R.T.: 3.173 min
Delta R.T.: -0.008 min
Response: 2227791
Conc: 17.94 ug/ml

Instrument : FID_E
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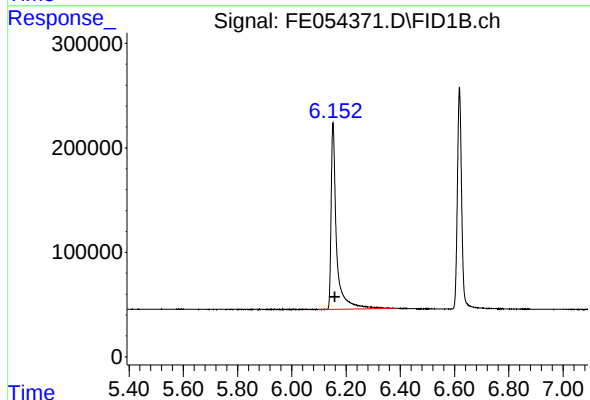
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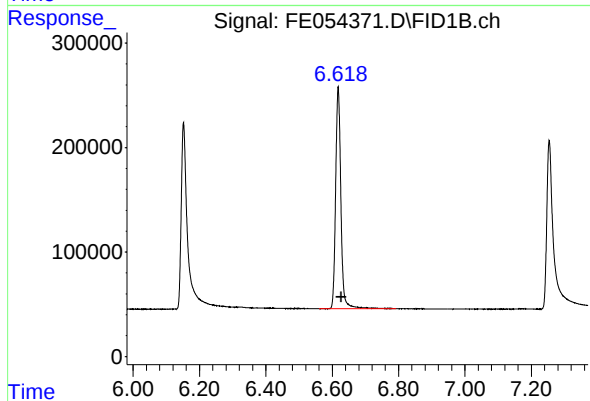
#2 n-Decane (C10)

R.T.: 4.437 min
Delta R.T.: -0.008 min
Response: 2244551
Conc: 18.06 ug/ml



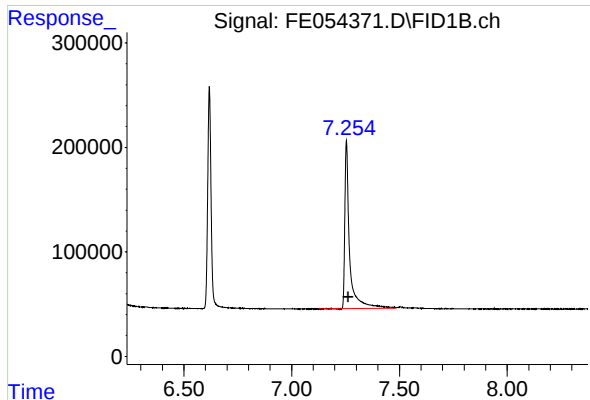
#3 A~Naphthalene (C11.7)

R.T.: 6.152 min
Delta R.T.: -0.008 min
Response: 2488147
Conc: 18.41 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.618 min
Delta R.T.: -0.009 min
Response: 2336835
Conc: 18.35 ug/ml



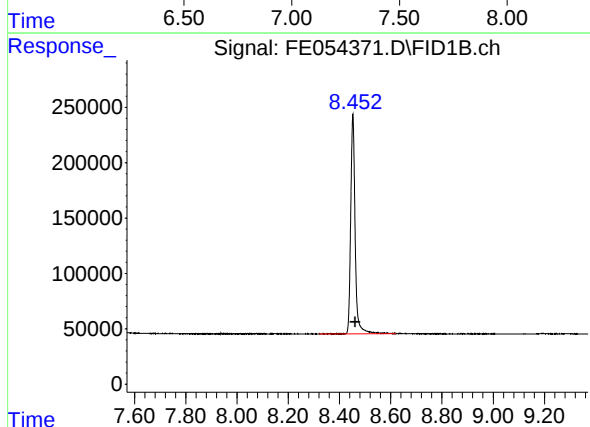
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.254 min
Delta R.T.: -0.008 min
Response: 2511832
Conc: 18.96 ug/ml

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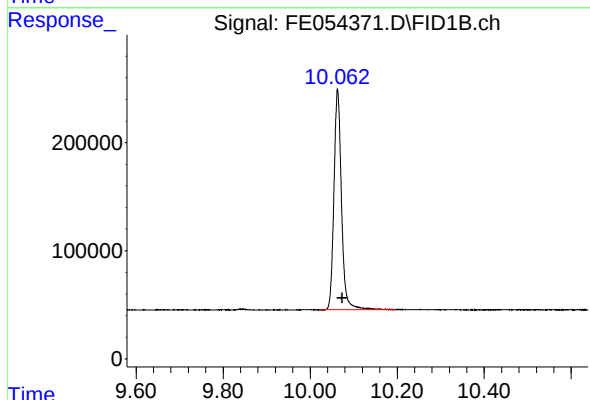
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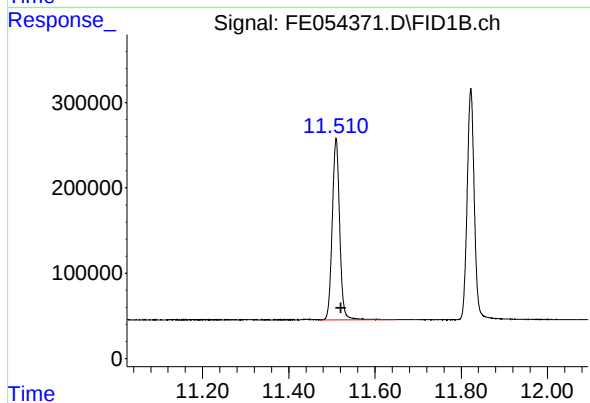
#6 n-Tetradecane (C14)

R.T.: 8.452 min
Delta R.T.: -0.009 min
Response: 2380051
Conc: 18.38 ug/ml



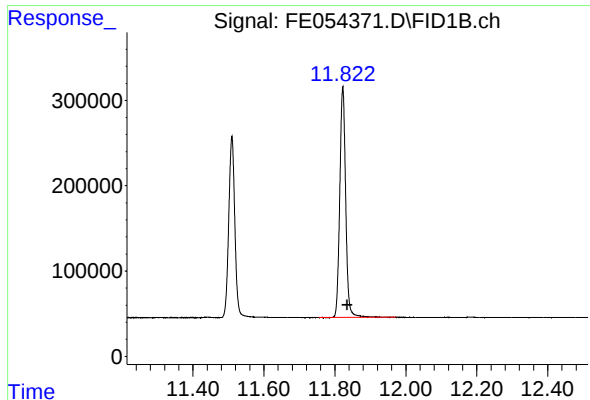
#7 n-Hexadecane (C16)

R.T.: 10.063 min
Delta R.T.: -0.011 min
Response: 2457672
Conc: 18.50 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.510 min
Delta R.T.: -0.011 min
Response: 2541509
Conc: 18.82 ug/ml



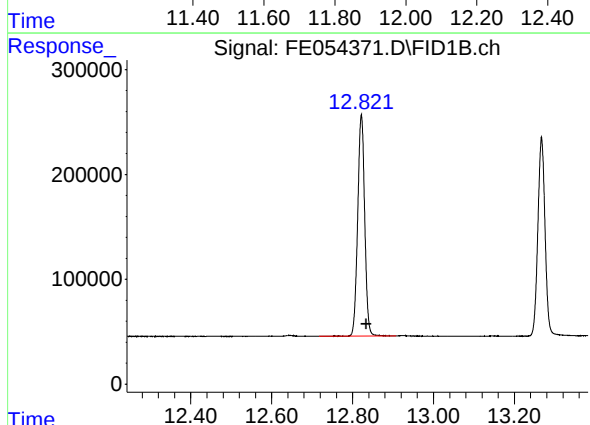
#9 ortho-Terphenyl (SURR)

R.T.: 11.822 min
Delta R.T.: -0.013 min
Response: 3131592
Conc: 18.95 ug/ml

Instrument :
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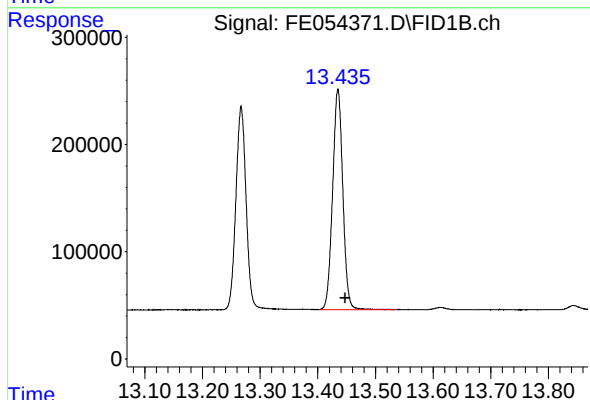
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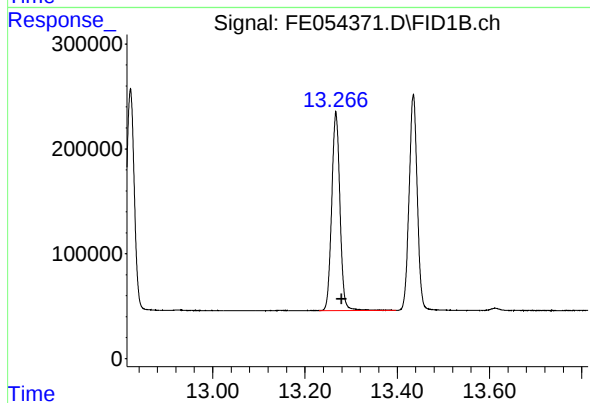
#10 n-Eicosane (C20)

R.T.: 12.822 min
Delta R.T.: -0.013 min
Response: 2532211
Conc: 18.93 ug/ml



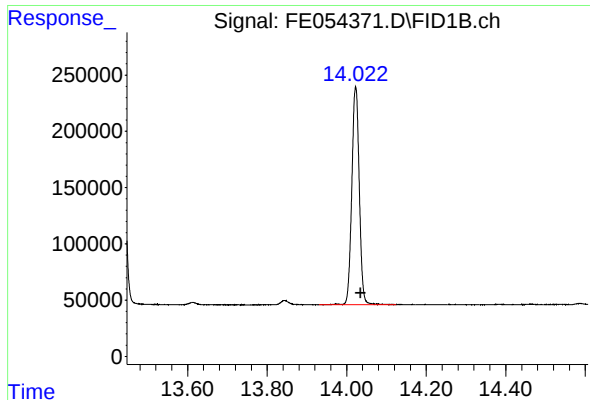
#11 n-Heneicosane (C21)

R.T.: 13.435 min
Delta R.T.: -0.013 min
Response: 2530730
Conc: 19.03 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.267 min
Delta R.T.: -0.012 min
Response: 2350026
Conc: 19.27 ug/ml



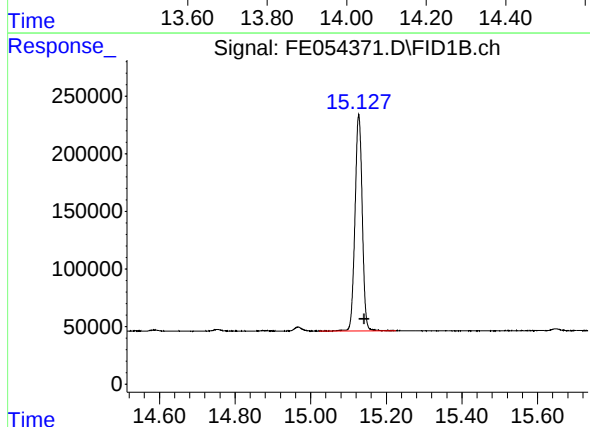
#13 n-Docosane (C22)

R.T.: 14.023 min
Delta R.T.: -0.013 min
Response: 2519194
Conc: 19.21 ug/ml

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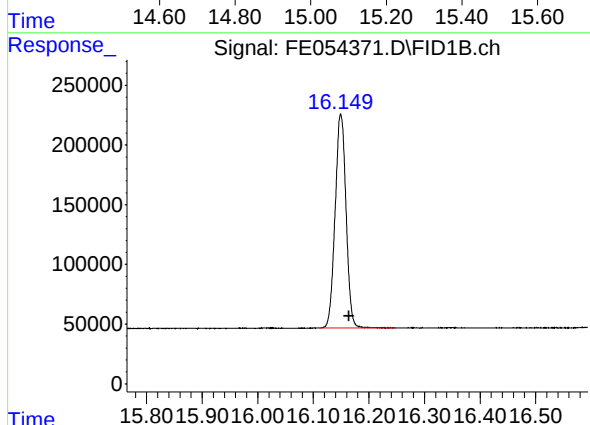
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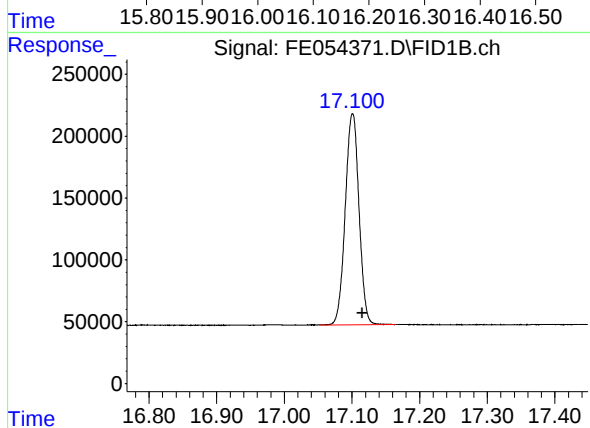
#14 n-Tetracosane (C24)

R.T.: 15.127 min
Delta R.T.: -0.014 min
Response: 2501297
Conc: 19.39 ug/ml



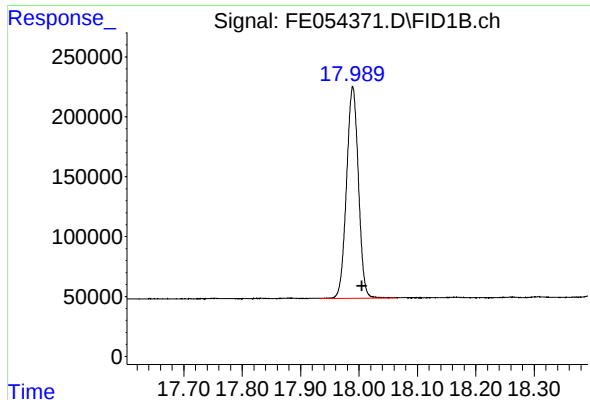
#15 n-Hexacosane (C26)

R.T.: 16.150 min
Delta R.T.: -0.015 min
Response: 2439053
Conc: 19.43 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.100 min
Delta R.T.: -0.015 min
Response: 2418037
Conc: 19.72 ug/ml m



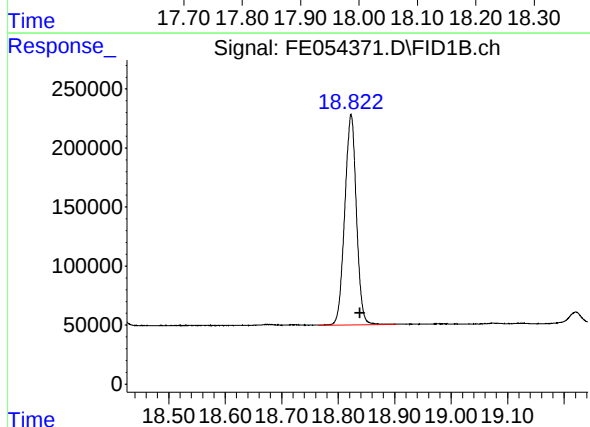
#17 n-Tricontane (C30)

R.T.: 17.989 min
Delta R.T.: -0.017 min
Response: 2512996
Conc: 20.28 ug/ml

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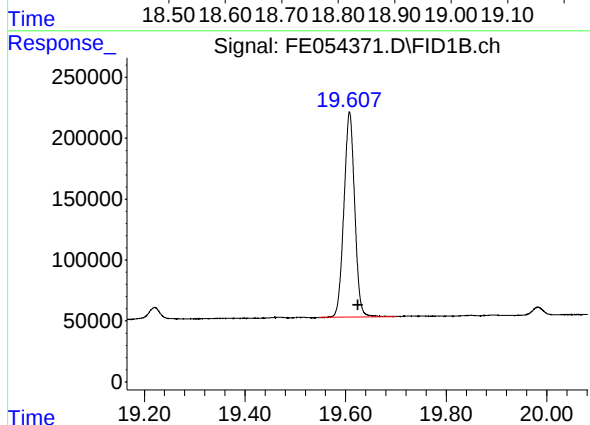
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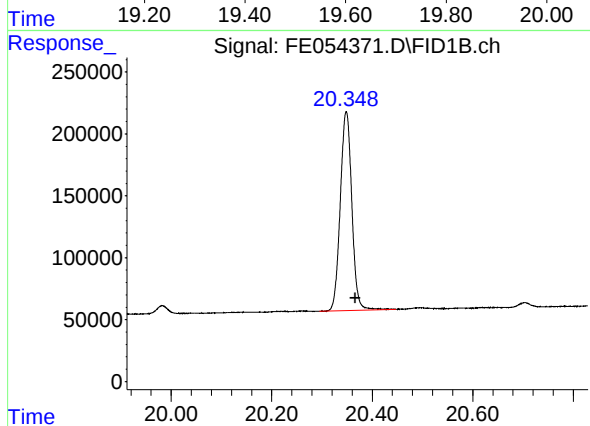
#18 n-Dotriacontane (C32)

R.T.: 18.822 min
Delta R.T.: -0.017 min
Response: 2570448
Conc: 20.46 ug/ml m



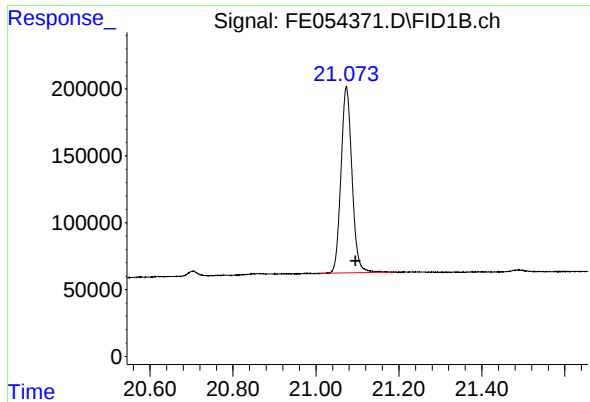
#19 n-Tetratriacontane (C34)

R.T.: 19.607 min
Delta R.T.: -0.018 min
Response: 2513202
Conc: 20.20 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.348 min
Delta R.T.: -0.018 min
Response: 2564148
Conc: 19.92 ug/ml m



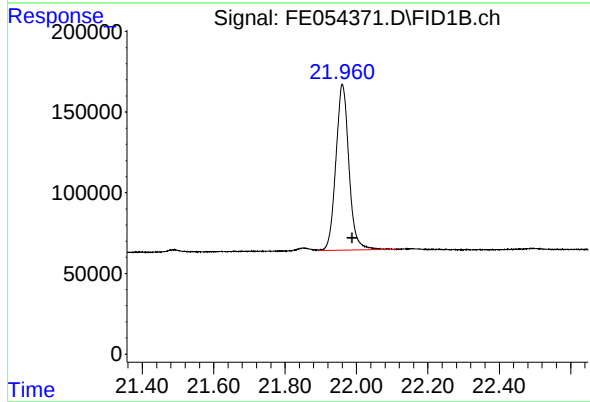
#21 n-Octatriacontane (C38)

R.T.: 21.073 min
Delta R.T.: -0.022 min
Response: 2565253
Conc: 19.43 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.960 min
Delta R.T.: -0.028 min
Response: 2614625
Conc: 19.41 ug/ml m