

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061725AL\
 Data File : FE054459.D
 Signal(s) : FID1B.ch
 Acq On : 17 Jun 2025 23:04
 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 06/18/2025
 Supervised By :mohammad ahmed 06/19/2025

Integration File: autoint1.e
 Quant Time: Jun 18 02:15:05 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)	11.826	3141410	19.012 ug/ml
Spiked Amount 50.000		Recovery =	38.02%
12) S 1-chlorooctadecane (S...	13.271	2343774	19.219 ug/ml
Spiked Amount 50.000		Recovery =	38.44%
Target Compounds			
1) T n-Nonane (C9)	3.174	2343011	18.868 ug/ml
2) T n-Decane (C10)	4.437	2369666	19.071 ug/ml
3) T A~Naphthalene (C11.7)	6.152	2508551	18.562 ug/ml
4) T n-Dodecane (C12)	6.618	2453876	19.271 ug/ml
5) T A~2-methylnaphthalene...	7.255	2493608	18.826 ug/ml
6) T n-Tetradecane (C14)	8.453	2460223	19.003 ug/ml
7) T n-Hexadecane (C16)	10.066	2539138	19.114 ug/ml
8) T n-Octadecane (C18)	11.512	2584976	19.143 ug/ml
10) T n-Eicosane (C20)	12.825	2548650	19.052 ug/ml
11) T n-Heneicosane (C21)	13.438	2531564	19.039 ug/ml
13) T n-Docosane (C22)	14.025	2507449	19.123 ug/ml
14) T n-Tetracosane (C24)	15.131	2490071	19.304 ug/ml
15) T n-Hexacosane (C26)	16.153	2432213	19.376 ug/ml
16) T n-Octacosane (C28)	17.105	2440551	19.902 ug/ml
17) T n-Tricontane (C30)	17.995	2581317	20.827 ug/ml
18) T n-Dotriacontane (C32)	18.828	2682425	21.349 ug/ml
19) T n-Tetratriacontane (C34)	19.613	2606486	20.951 ug/ml
20) T n-Hexatriacontane (C36)	20.355	2609805	20.273 ug/ml
21) T n-Octatriacontane (C38)	21.081	2570543	19.468 ug/mlm
22) T n-Tetracontane (C40)	21.968	2634602	19.558 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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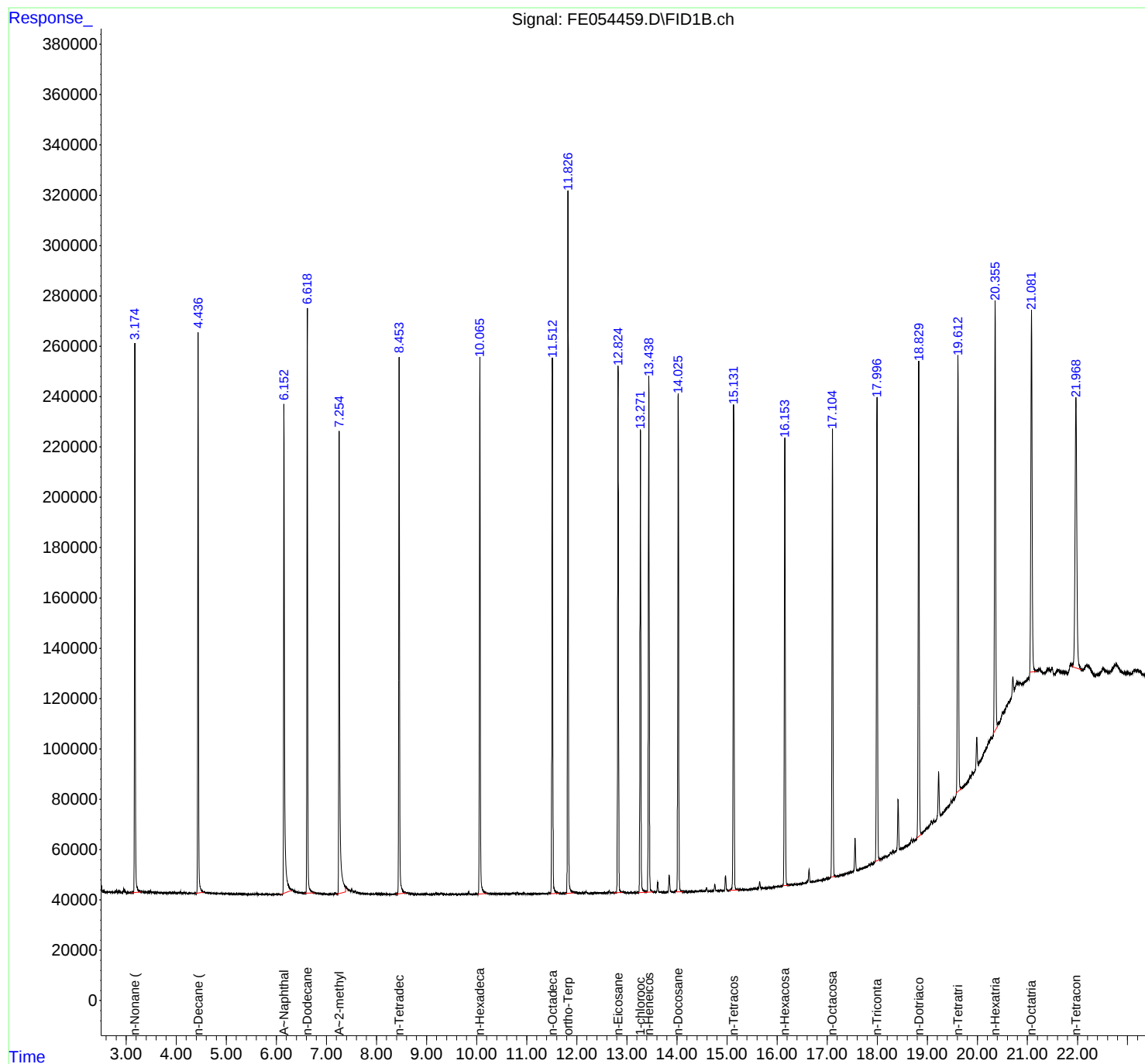
Instrument :
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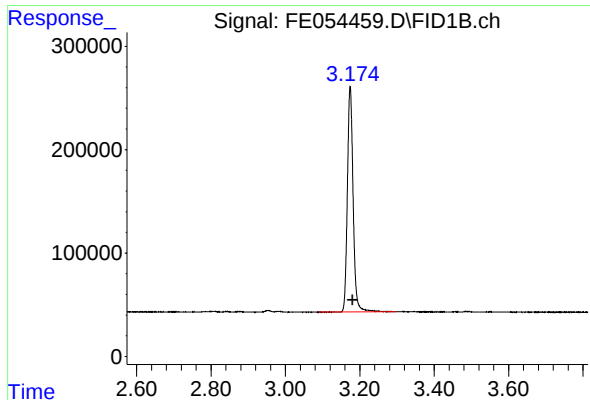
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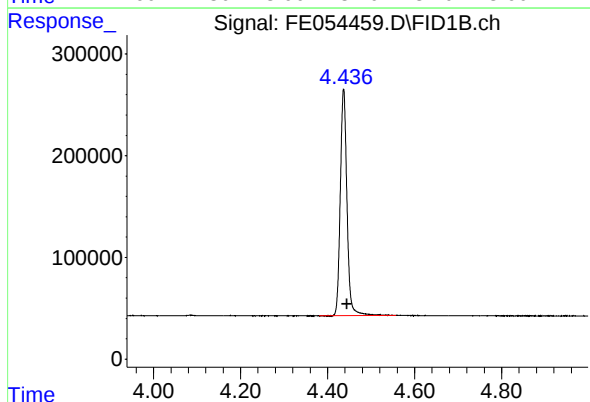
#1 n-Nonane (C9)

R.T.: 3.174 min
Delta R.T.: -0.007 min
Response: 2343011
Conc: 18.87 ug/ml

Instrument :
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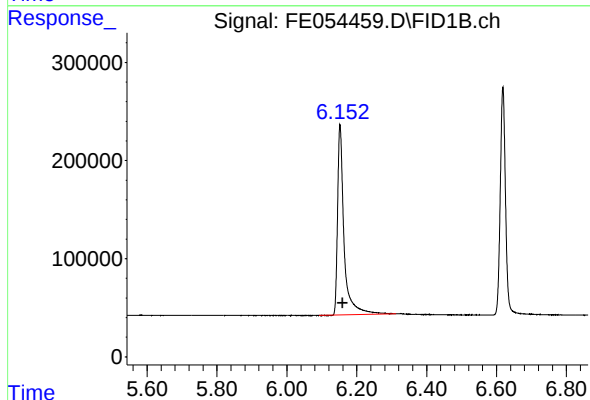
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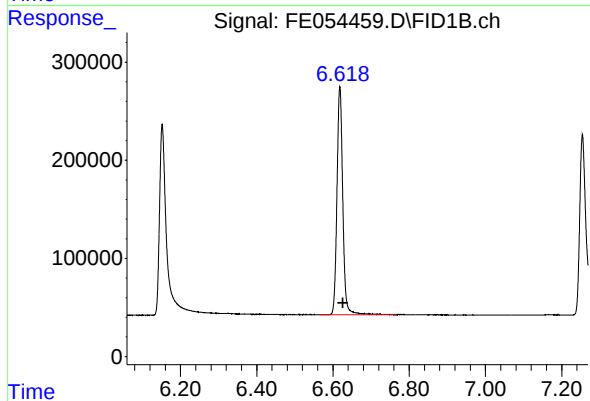
#2 n-Decane (C10)

R.T.: 4.437 min
Delta R.T.: -0.007 min
Response: 2369666
Conc: 19.07 ug/ml



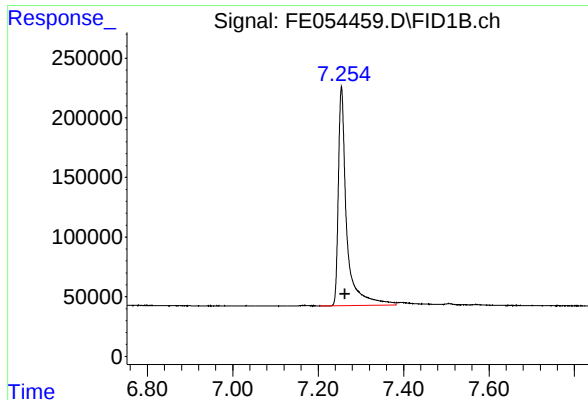
#3 A~Naphthalene (C11.7)

R.T.: 6.152 min
Delta R.T.: -0.008 min
Response: 2508551
Conc: 18.56 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.618 min
Delta R.T.: -0.008 min
Response: 2453876
Conc: 19.27 ug/ml



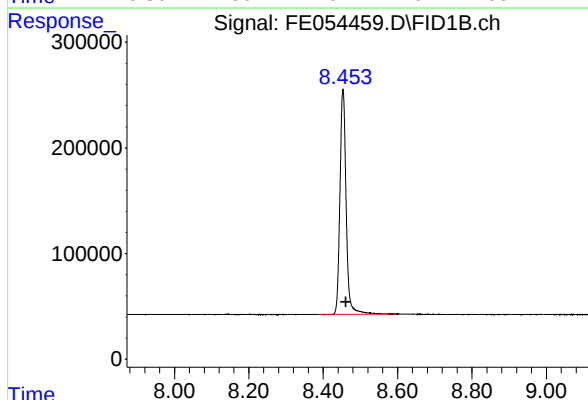
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.255 min
Delta R.T.: -0.008 min
Response: 2493608
Conc: 18.83 ug/ml

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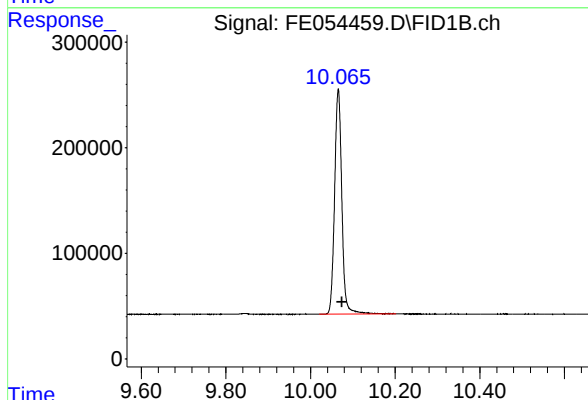
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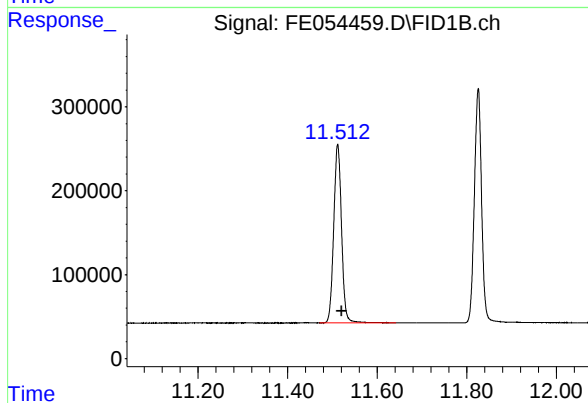
#6 n-Tetradecane (C14)

R.T.: 8.453 min
Delta R.T.: -0.008 min
Response: 2460223
Conc: 19.00 ug/ml



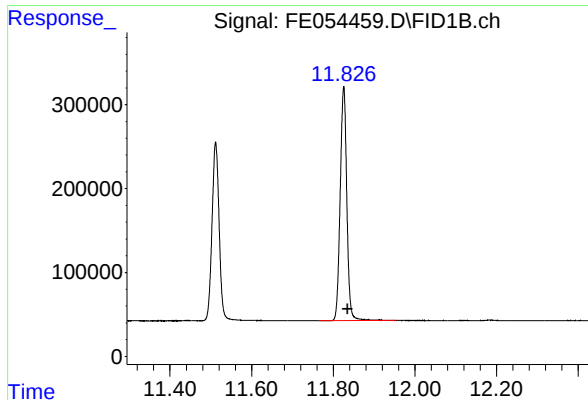
#7 n-Hexadecane (C16)

R.T.: 10.066 min
Delta R.T.: -0.009 min
Response: 2539138
Conc: 19.11 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.512 min
Delta R.T.: -0.009 min
Response: 2584976
Conc: 19.14 ug/ml



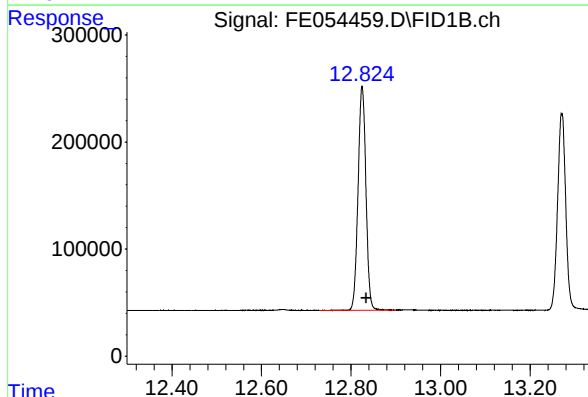
#9 ortho-Terphenyl (SURR)

R.T.: 11.826 min
Delta R.T.: -0.009 min
Response: 3141410
Conc: 19.01 ug/ml

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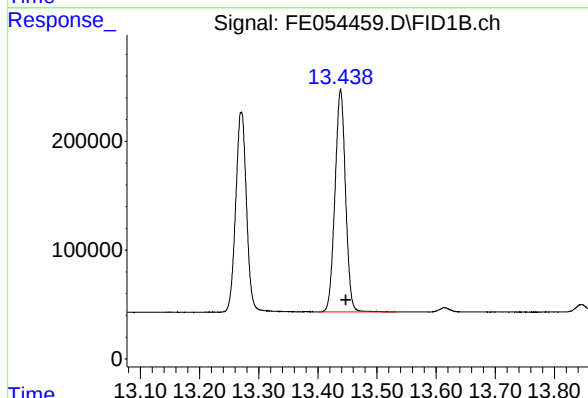
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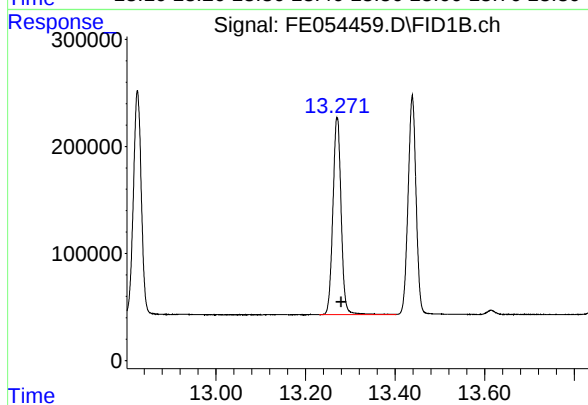
#10 n-Eicosane (C20)

R.T.: 12.825 min
Delta R.T.: -0.010 min
Response: 2548650
Conc: 19.05 ug/ml



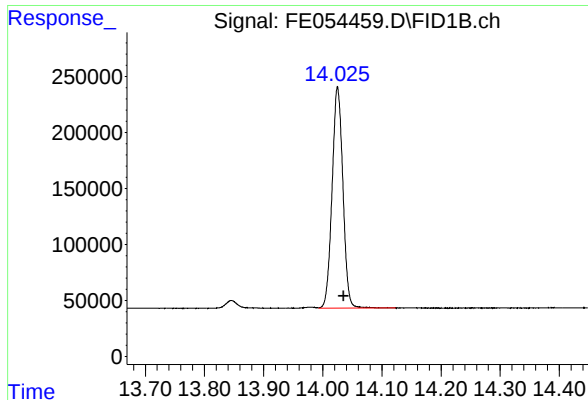
#11 n-Heneicosane (C21)

R.T.: 13.438 min
Delta R.T.: -0.009 min
Response: 2531564
Conc: 19.04 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.271 min
Delta R.T.: -0.009 min
Response: 2343774
Conc: 19.22 ug/ml



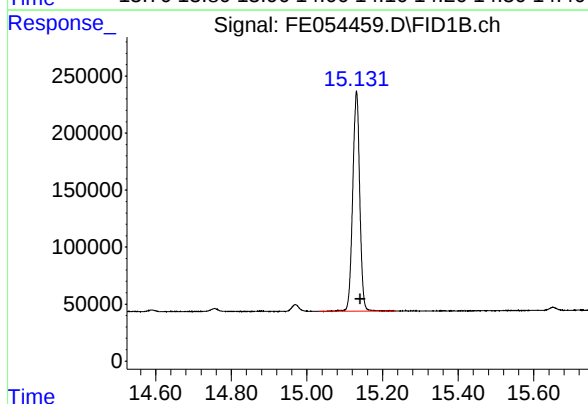
#13 n-Docosane (C22)

R.T.: 14.025 min
Delta R.T.: -0.010 min
Response: 2507449
Conc: 19.12 ug/ml

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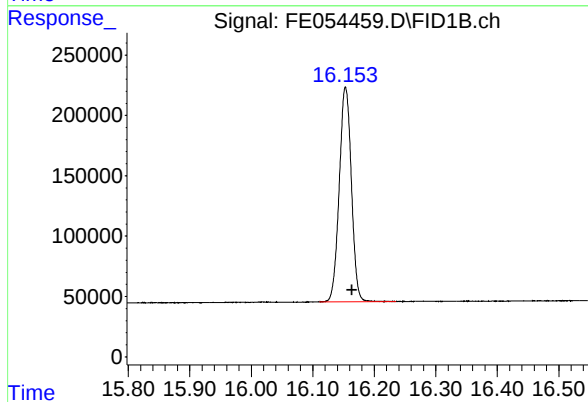
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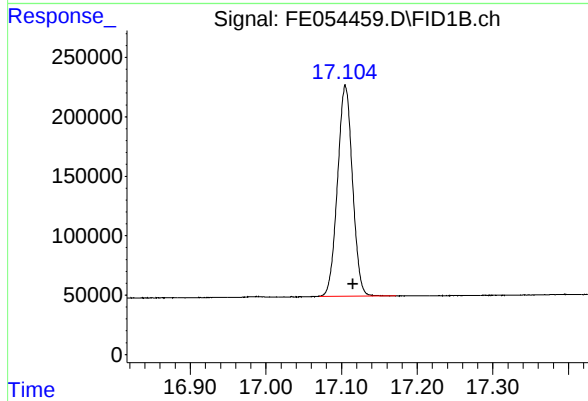
#14 n-Tetracosane (C24)

R.T.: 15.131 min
Delta R.T.: -0.010 min
Response: 2490071
Conc: 19.30 ug/ml



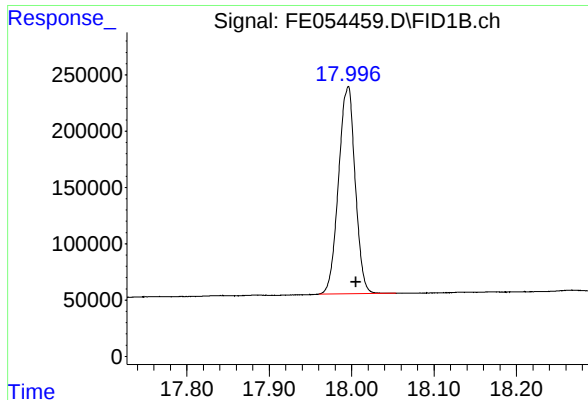
#15 n-Hexacosane (C26)

R.T.: 16.153 min
Delta R.T.: -0.011 min
Response: 2432213
Conc: 19.38 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.105 min
Delta R.T.: -0.010 min
Response: 2440551
Conc: 19.90 ug/ml



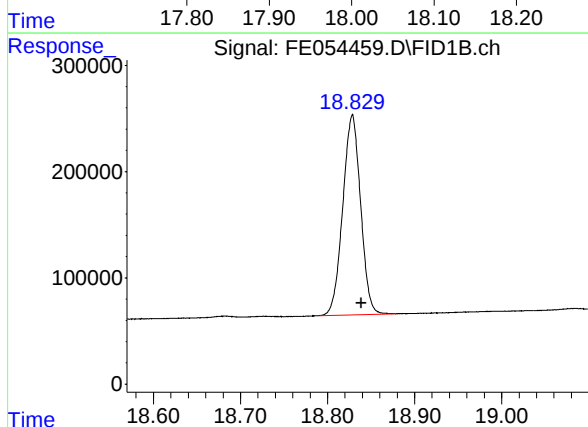
#17 n-Tricontane (C30)

R.T.: 17.995 min
Delta R.T.: -0.010 min
Response: 2581317
Conc: 20.83 ug/ml

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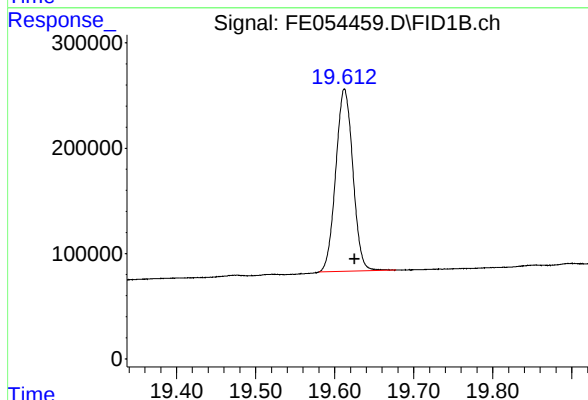
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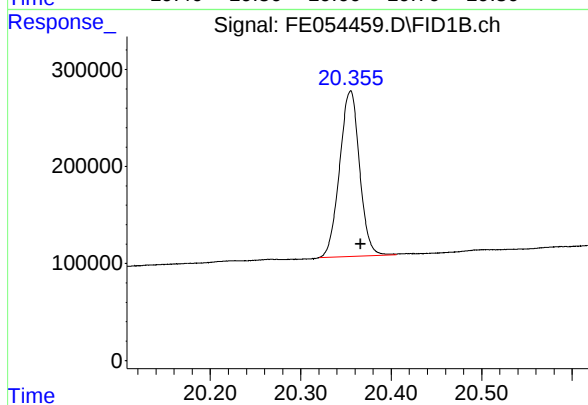
#18 n-Dotriacontane (C32)

R.T.: 18.828 min
Delta R.T.: -0.011 min
Response: 2682425
Conc: 21.35 ug/ml



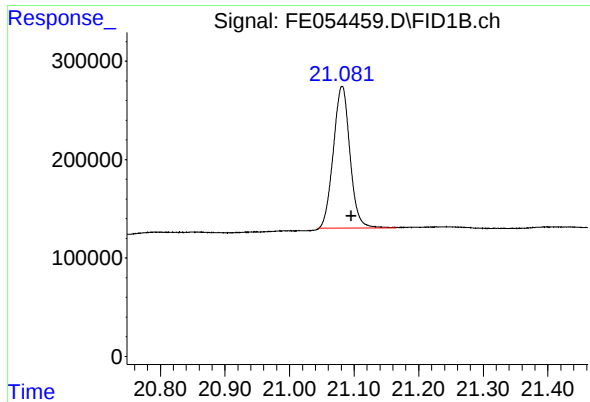
#19 n-Tetatriacontane (C34)

R.T.: 19.613 min
Delta R.T.: -0.013 min
Response: 2606486
Conc: 20.95 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.355 min
Delta R.T.: -0.011 min
Response: 2609805
Conc: 20.27 ug/ml



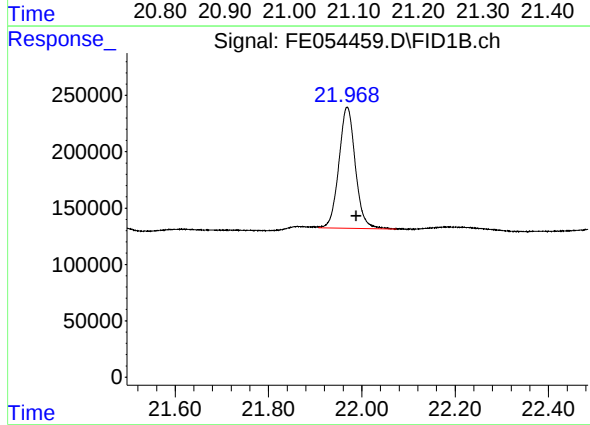
#21 n-Octatriacontane (C38)

R.T.: 21.081 min
Delta R.T.: -0.015 min
Response: 2570543
Conc: 19.47 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.968 min
Delta R.T.: -0.020 min
Response: 2634602
Conc: 19.56 ug/ml m