

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062525AL\
 Data File : FE054573.D
 Signal(s) : FID1B.ch
 Acq On : 25 Jun 2025 11:51
 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 06/26/2025
 Supervised By :mohammad ahmed 06/27/2025

Integration File: autoint1.e
 Quant Time: Jun 26 02:31:22 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)	11.823	3124645	18.910 ug/ml
Spiked Amount 50.000		Recovery =	37.82%
12) S 1-chlorooctadecane (S...	13.268	2272338	18.634 ug/ml
Spiked Amount 50.000		Recovery =	37.27%
Target Compounds			
1) T n-Nonane (C9)	3.171	2320758	18.689 ug/ml
2) T n-Decane (C10)	4.434	2391779	19.249 ug/ml
3) T A~Naphthalene (C11.7)	6.150	2559407	18.939 ug/ml
4) T n-Dodecane (C12)	6.616	2495580	19.599 ug/ml
5) T A~2-methylnaphthalene...	7.252	2561147	19.336 ug/ml
6) T n-Tetradecane (C14)	8.450	2573355	19.877 ug/ml
7) T n-Hexadecane (C16)	10.063	2572433	19.365 ug/ml
8) T n-Octadecane (C18)	11.509	2605743	19.297 ug/ml
10) T n-Eicosane (C20)	12.822	2554515	19.095 ug/ml
11) T n-Heneicosane (C21)	13.435	2531771	19.040 ug/ml
13) T n-Docosane (C22)	14.023	2503903	19.096 ug/ml
14) T n-Tetracosane (C24)	15.128	2494895	19.341 ug/ml
15) T n-Hexacosane (C26)	16.152	2463684	19.626 ug/ml
16) T n-Octacosane (C28)	17.104	2581554	21.051 ug/ml
17) T n-Tricontane (C30)	17.993	2947246	23.779 ug/mlm
18) T n-Dotriacontane (C32)	18.828	3066250	24.404 ug/mlm
19) T n-Tetratriacontane (C34)	19.613	2897146	23.288 ug/ml
20) T n-Hexatriacontane (C36)	20.355	2823455	21.933 ug/ml
21) T n-Octatriacontane (C38)	21.081	2600659	19.696 ug/ml
22) T n-Tetracontane (C40)	21.972	2374574	17.628 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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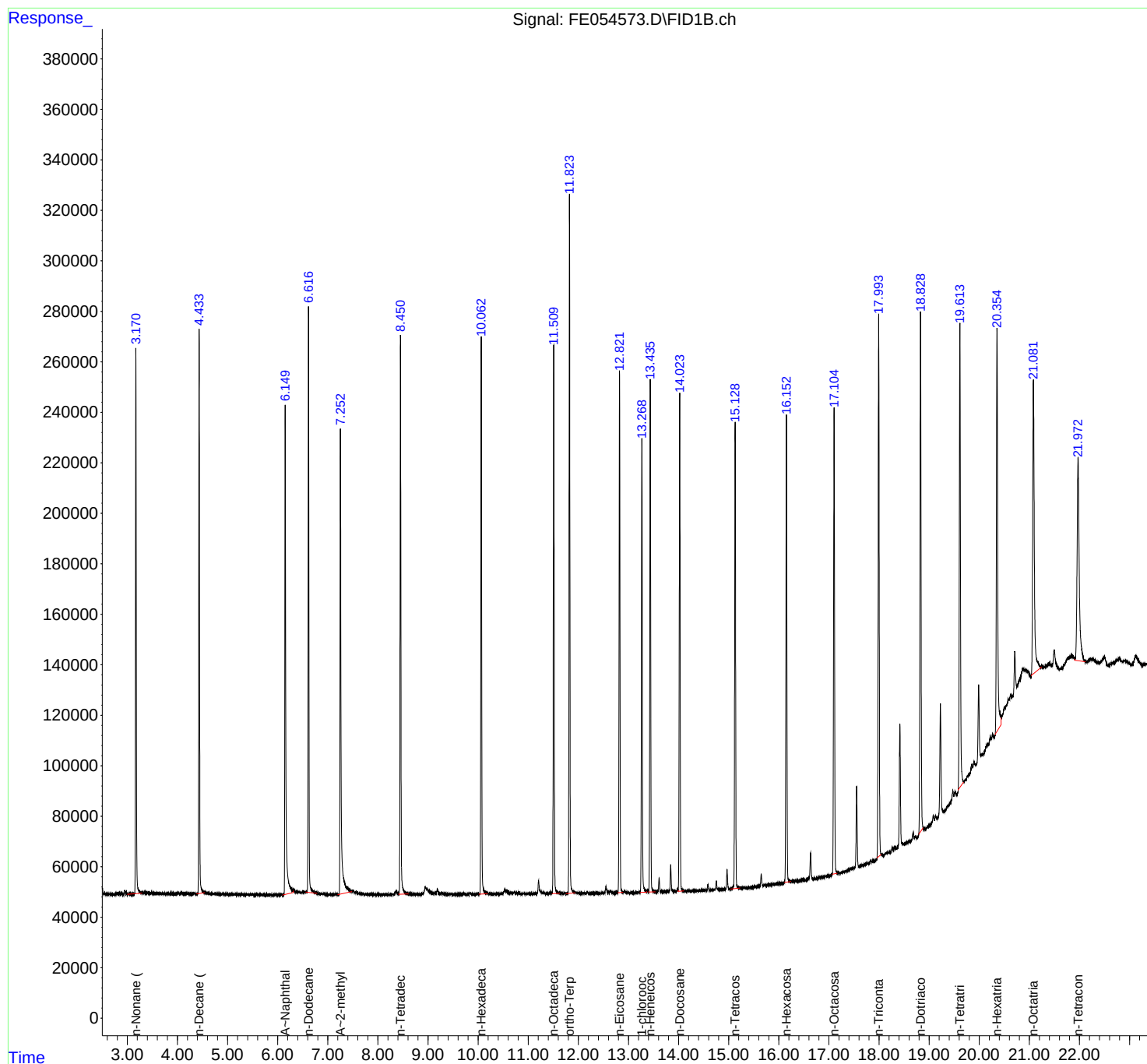
Instrument :
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20 PPM ALIPHATIC HC STD

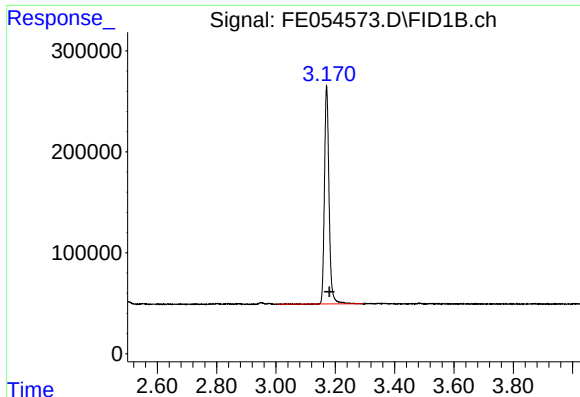
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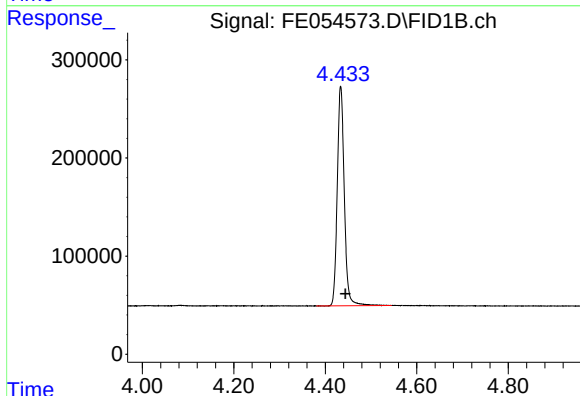
#1 n-Nonane (C9)

R.T.: 3.171 min
Delta R.T.: -0.010 min
Response: 2320758
Conc: 18.69 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

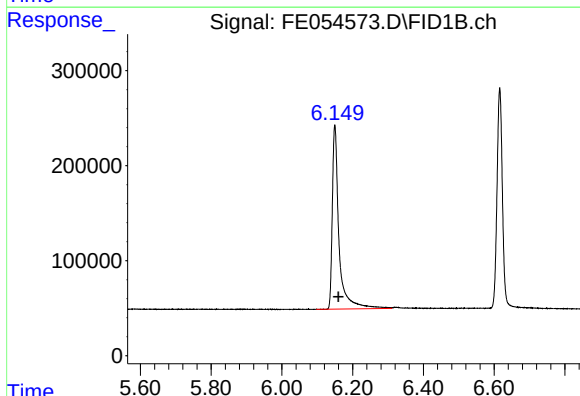
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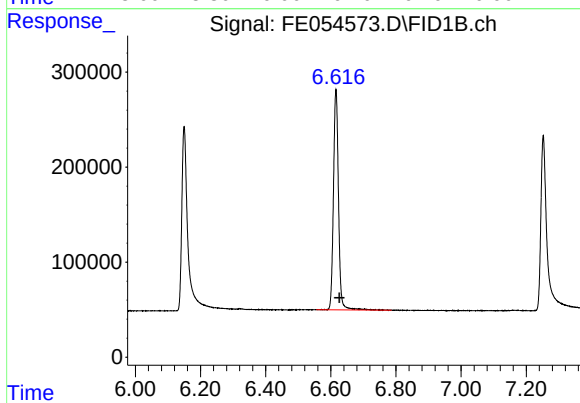
#2 n-Decane (C10)

R.T.: 4.434 min
Delta R.T.: -0.010 min
Response: 2391779
Conc: 19.25 ug/ml



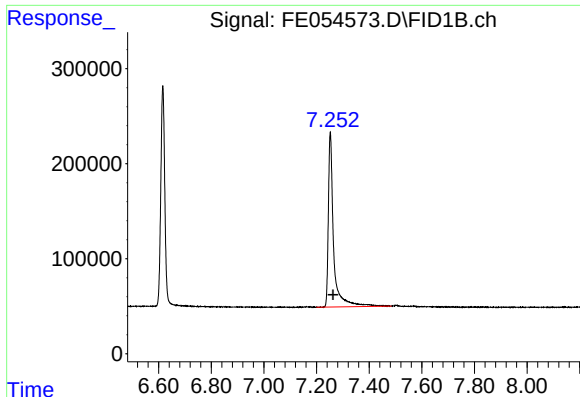
#3 A~Naphthalene (C11.7)

R.T.: 6.150 min
Delta R.T.: -0.010 min
Response: 2559407
Conc: 18.94 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.616 min
Delta R.T.: -0.011 min
Response: 2495580
Conc: 19.60 ug/ml



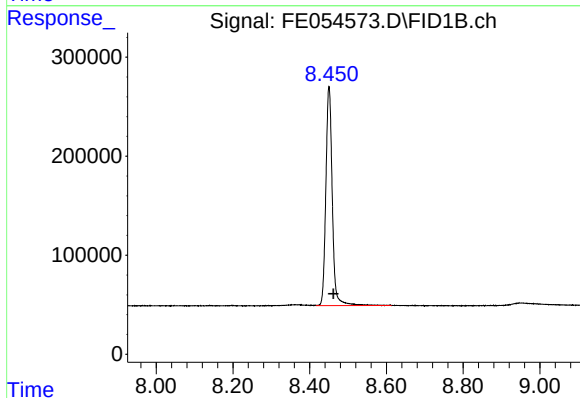
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.252 min
Delta R.T.: -0.010 min
Response: 2561147
Conc: 19.34 ug/ml

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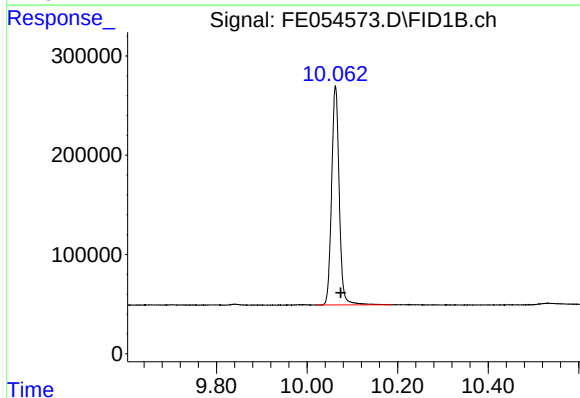
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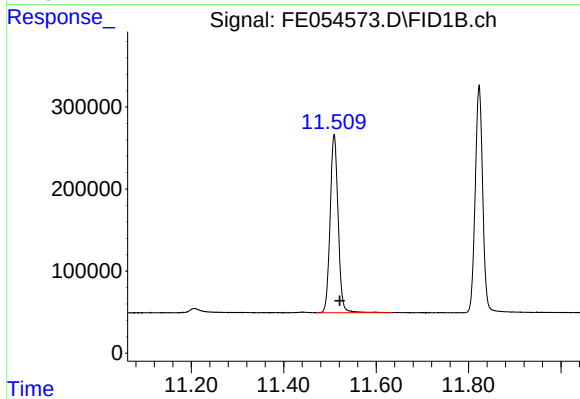
#6 n-Tetradecane (C14)

R.T.: 8.450 min
Delta R.T.: -0.011 min
Response: 2573355
Conc: 19.88 ug/ml



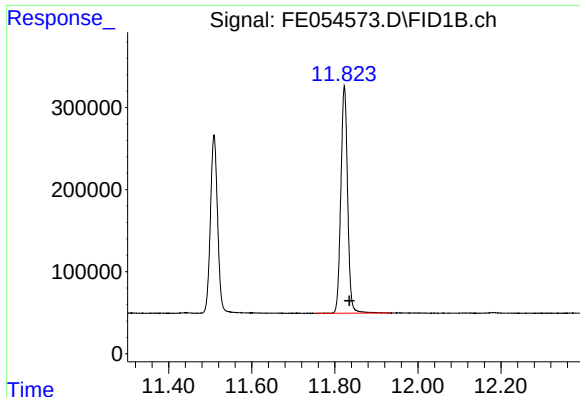
#7 n-Hexadecane (C16)

R.T.: 10.063 min
Delta R.T.: -0.012 min
Response: 2572433
Conc: 19.37 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.509 min
Delta R.T.: -0.012 min
Response: 2605743
Conc: 19.30 ug/ml



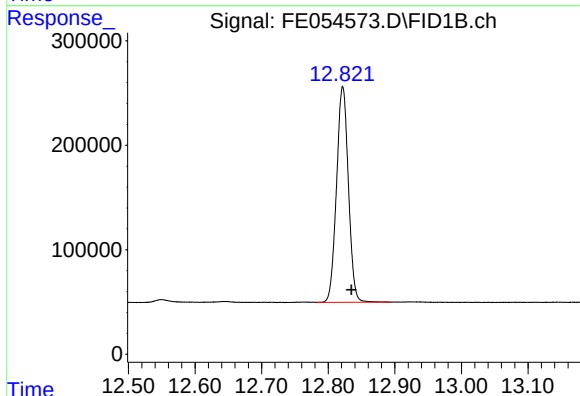
#9 ortho-Terphenyl (SURR)

R.T.: 11.823 min
Delta R.T.: -0.012 min
Response: 3124645
Conc: 18.91 ug/ml

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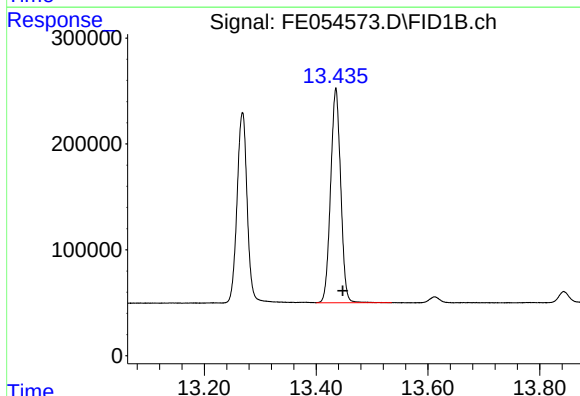
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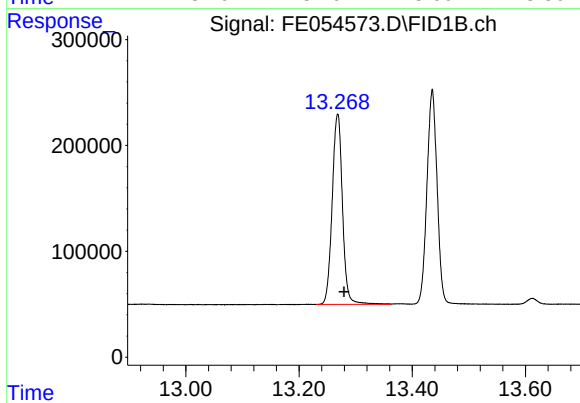
#10 n-Eicosane (C20)

R.T.: 12.822 min
Delta R.T.: -0.013 min
Response: 2554515
Conc: 19.10 ug/ml



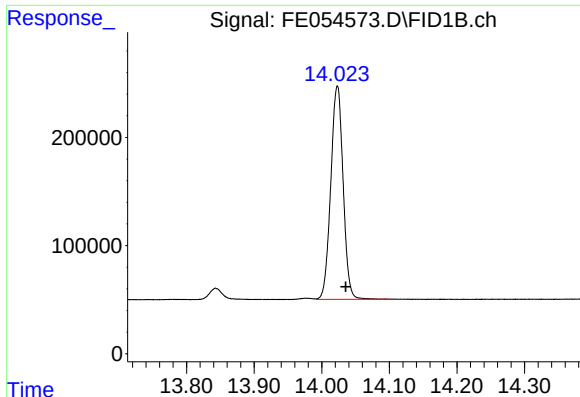
#11 n-Heneicosane (C21)

R.T.: 13.435 min
Delta R.T.: -0.012 min
Response: 2531771
Conc: 19.04 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.268 min
Delta R.T.: -0.011 min
Response: 2272338
Conc: 18.63 ug/ml



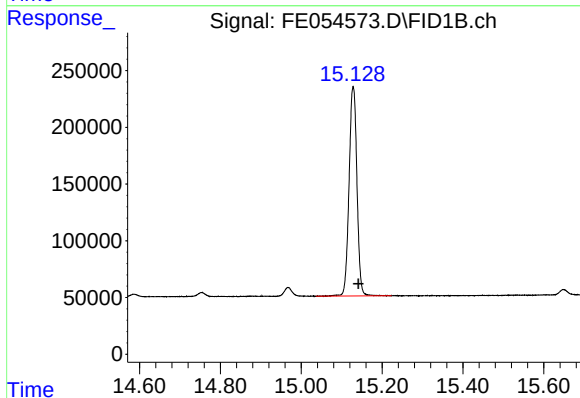
#13 n-Docosane (C22)

R.T.: 14.023 min
Delta R.T.: -0.012 min
Response: 2503903
Conc: 19.10 ug/ml

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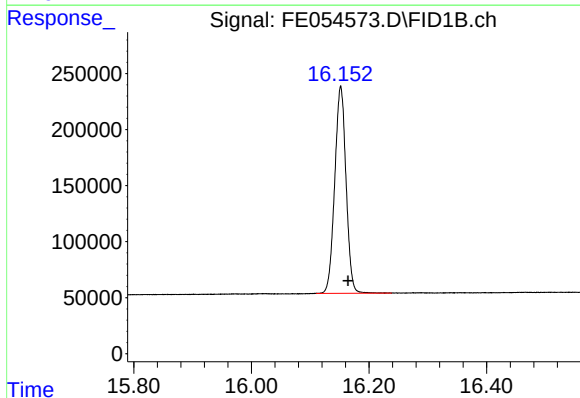
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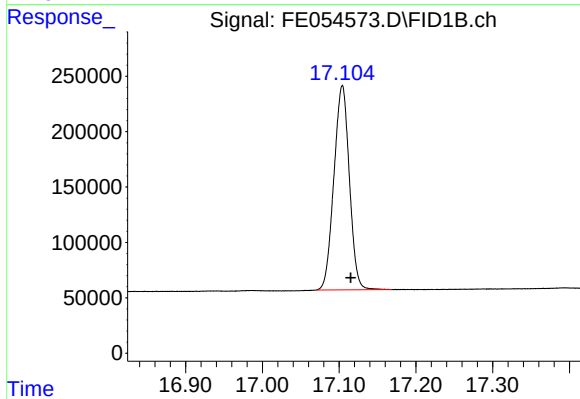
#14 n-Tetracosane (C24)

R.T.: 15.128 min
Delta R.T.: -0.013 min
Response: 2494895
Conc: 19.34 ug/ml



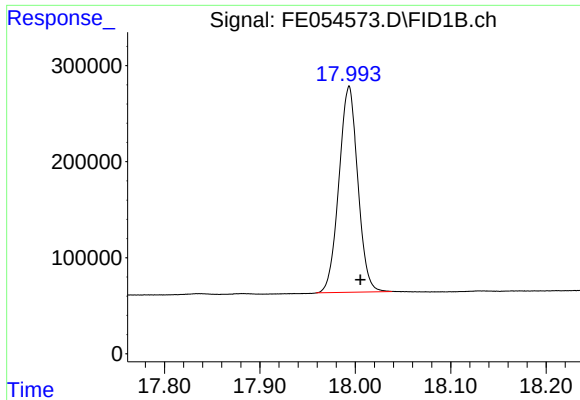
#15 n-Hexacosane (C26)

R.T.: 16.152 min
Delta R.T.: -0.012 min
Response: 2463684
Conc: 19.63 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.104 min
Delta R.T.: -0.011 min
Response: 2581554
Conc: 21.05 ug/ml



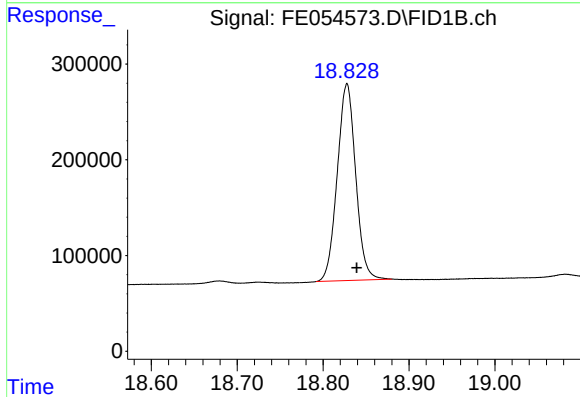
#17 n-Tricontane (C30)

R.T.: 17.993 min
Delta R.T.: -0.012 min
Response: 2947246
Conc: 23.78 ug/ml

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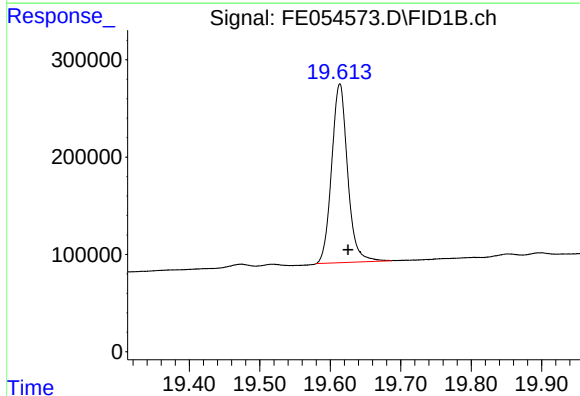
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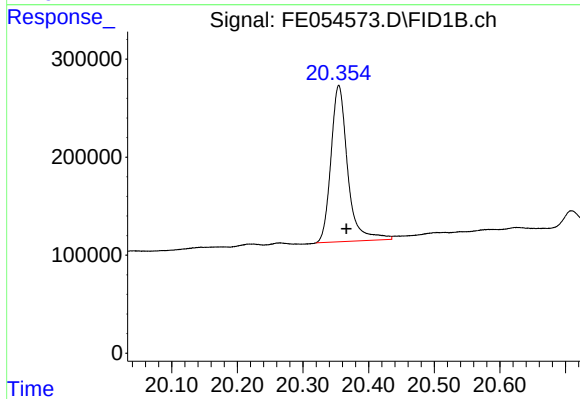
#18 n-Dotriacontane (C32)

R.T.: 18.828 min
Delta R.T.: -0.011 min
Response: 3066250
Conc: 24.40 ug/ml m



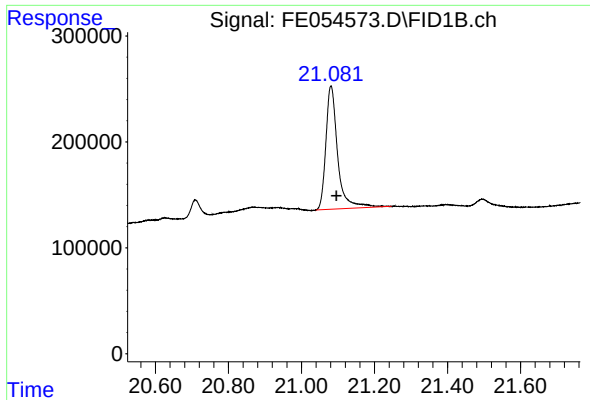
#19 n-Tetratriacontane (C34)

R.T.: 19.613 min
Delta R.T.: -0.012 min
Response: 2897146
Conc: 23.29 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.355 min
Delta R.T.: -0.012 min
Response: 2823455
Conc: 21.93 ug/ml



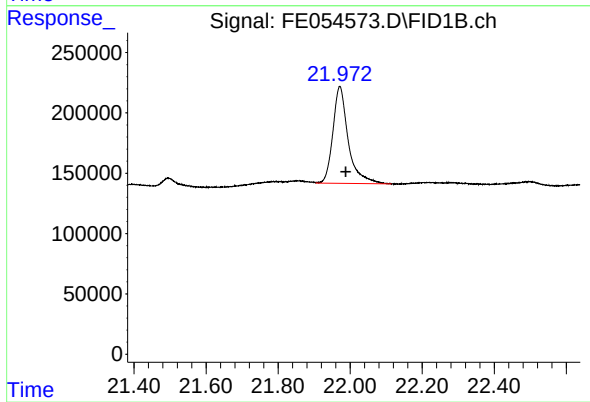
#21 n-Octatriacontane (C38)

R.T.: 21.081 min
Delta R.T.: -0.015 min
Response: 2600659
Conc: 19.70 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.972 min
Delta R.T.: -0.017 min
Response: 2374574
Conc: 17.63 ug/ml m