

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062025AL\
 Data File : FE054508.D
 Signal(s) : FID1B.ch
 Acq On : 20 Jun 2025 06:44
 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 06/23/2025
 Supervised By :mohammad ahmed 06/24/2025

Integration File: autoint1.e
 Quant Time: Jun 20 23:21:28 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	3474892	21.030 ug/ml
Spiked Amount 50.000		Recovery =	42.06%
12) S 1-chlorooctadecane (S...	13.269	2583985	21.189 ug/ml
Spiked Amount 50.000		Recovery =	42.38%
Target Compounds			
1) T n-Nonane (C9)	3.172	2599475	20.933 ug/ml
2) T n-Decane (C10)	4.434	2657612	21.389 ug/ml
3) T A~Naphthalene (C11.7)	6.150	2841715	21.028 ug/ml
4) T n-Dodecane (C12)	6.616	2721642	21.374 ug/ml
5) T A~2-methylnaphthalene...	7.252	2877712	21.726 ug/ml
6) T n-Tetradecane (C14)	8.452	2739053	21.157 ug/ml
7) T n-Hexadecane (C16)	10.064	2806603	21.128 ug/ml
8) T n-Octadecane (C18)	11.510	2851439	21.117 ug/ml
10) T n-Eicosane (C20)	12.823	2819089	21.073 ug/ml
11) T n-Heneicosane (C21)	13.437	2798978	21.050 ug/ml
13) T n-Docosane (C22)	14.024	2779904	21.201 ug/ml
14) T n-Tetracosane (C24)	15.129	2771324	21.484 ug/ml
15) T n-Hexacosane (C26)	16.152	2720648	21.674 ug/ml
16) T n-Octacosane (C28)	17.105	2756628	22.479 ug/ml
17) T n-Tricontane (C30)	17.993	2967354	23.941 ug/ml
18) T n-Dotriacontane (C32)	18.827	3012194	23.974 ug/mlm
19) T n-Tetratriacontane (C34)	19.612	2948605	23.701 ug/ml
20) T n-Hexatriacontane (C36)	20.353	2867275	22.273 ug/mlm
21) T n-Octatriacontane (C38)	21.080	2819908	21.356 ug/mlm
22) T n-Tetracontane (C40)	21.969	2876358	21.353 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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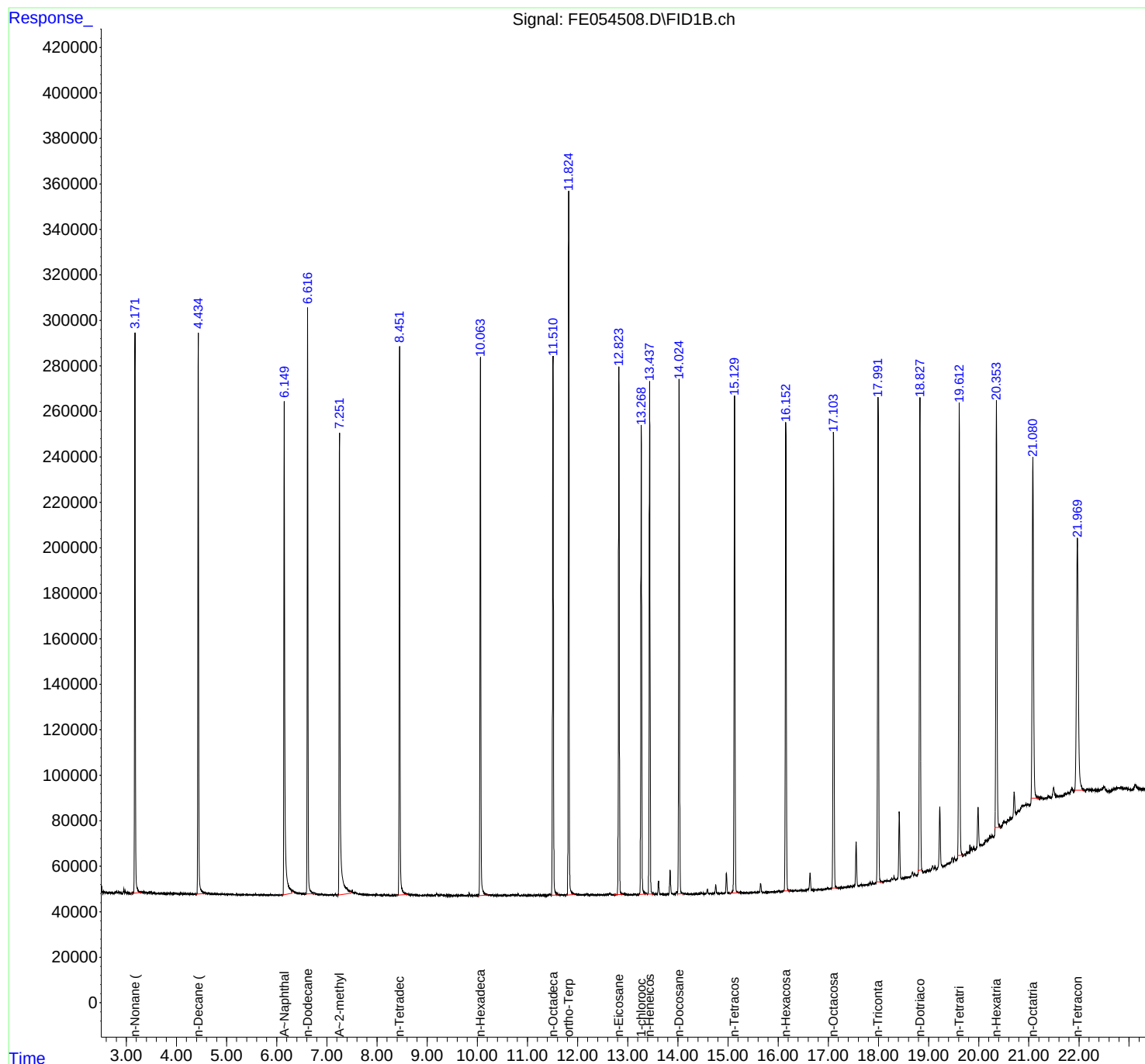
Instrument :
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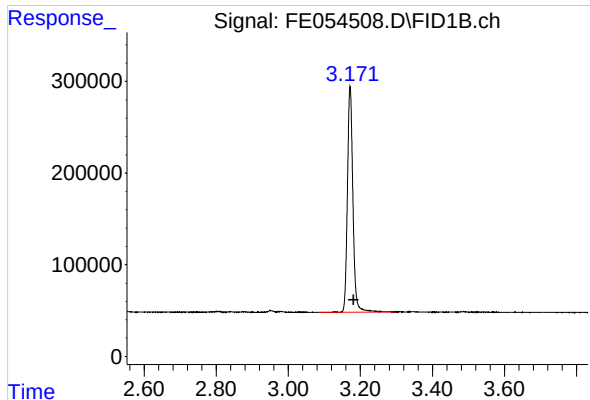
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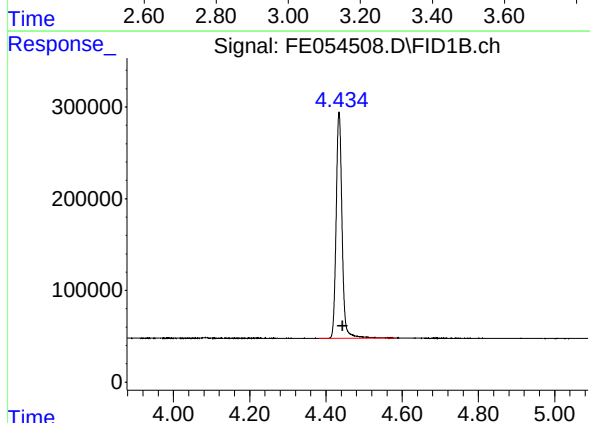
#1 n-Nonane (C9)

R.T.: 3.172 min
Delta R.T.: -0.009 min
Response: 2599475
Conc: 20.93 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

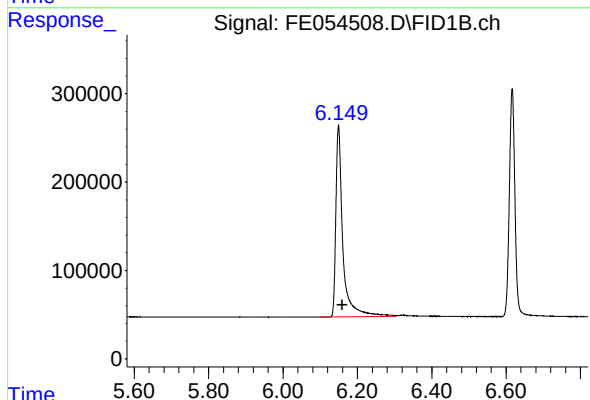
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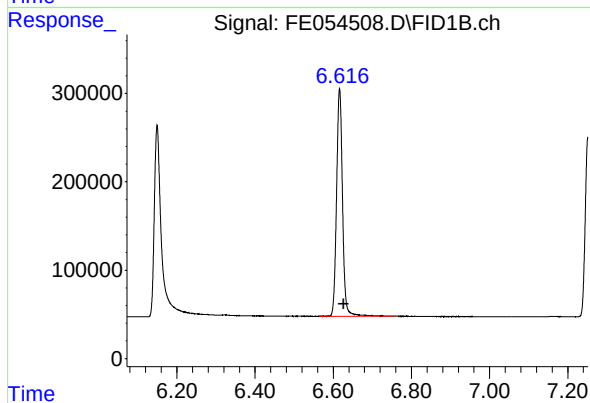
#2 n-Decane (C10)

R.T.: 4.434 min
Delta R.T.: -0.010 min
Response: 2657612
Conc: 21.39 ug/ml



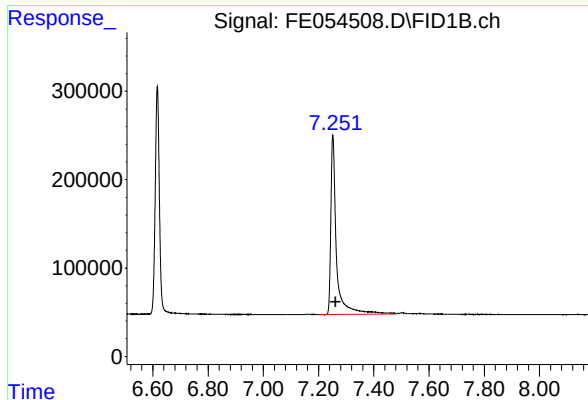
#3 A~Naphthalene (C11.7)

R.T.: 6.150 min
Delta R.T.: -0.011 min
Response: 2841715
Conc: 21.03 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.616 min
Delta R.T.: -0.010 min
Response: 2721642
Conc: 21.37 ug/ml



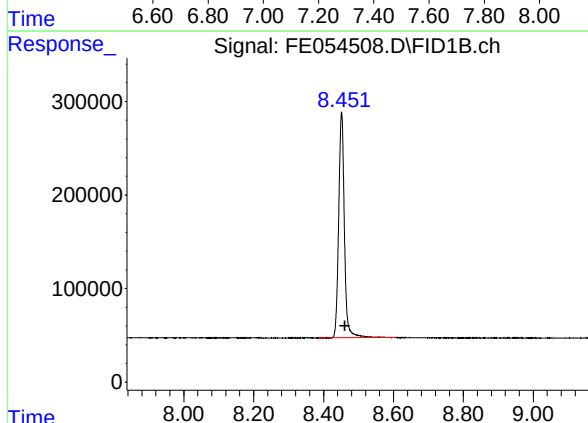
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.252 min
Delta R.T.: -0.010 min
Response: 2877712
Conc: 21.73 ug/ml

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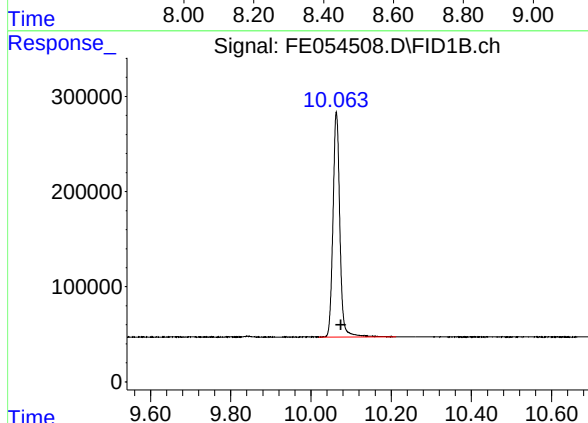
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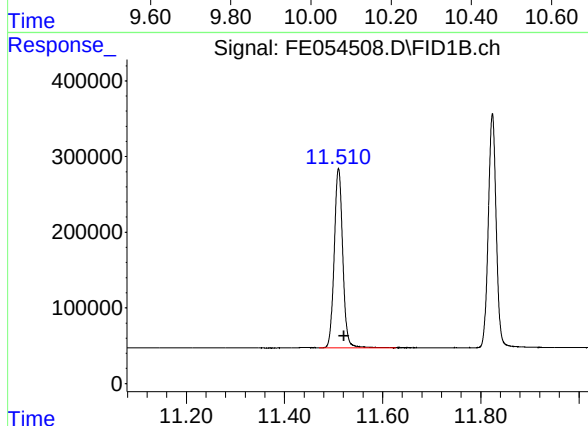
#6 n-Tetradecane (C14)

R.T.: 8.452 min
Delta R.T.: -0.010 min
Response: 2739053
Conc: 21.16 ug/ml



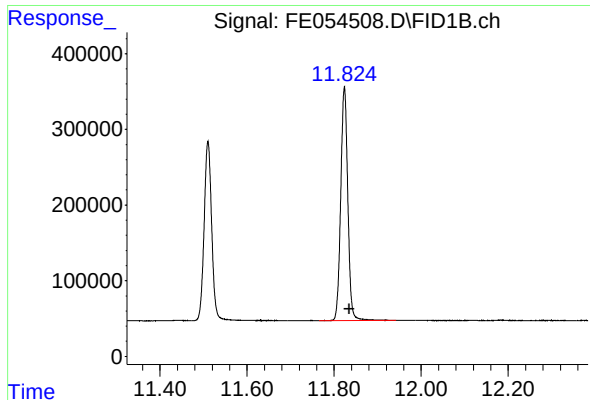
#7 n-Hexadecane (C16)

R.T.: 10.064 min
Delta R.T.: -0.011 min
Response: 2806603
Conc: 21.13 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.510 min
Delta R.T.: -0.011 min
Response: 2851439
Conc: 21.12 ug/ml



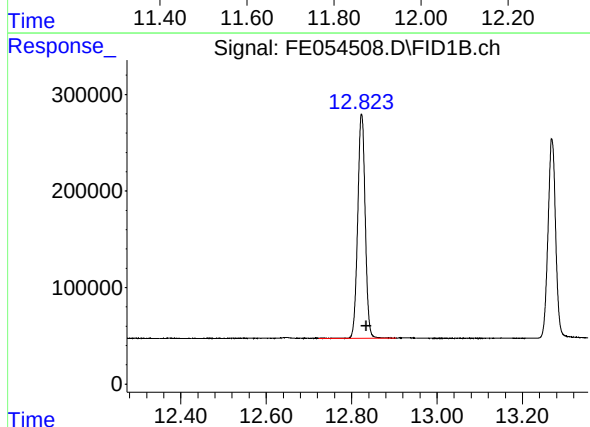
#9 ortho-Terphenyl (SURR)

R.T.: 11.824 min
Delta R.T.: -0.011 min
Response: 3474892
Conc: 21.03 ug/ml

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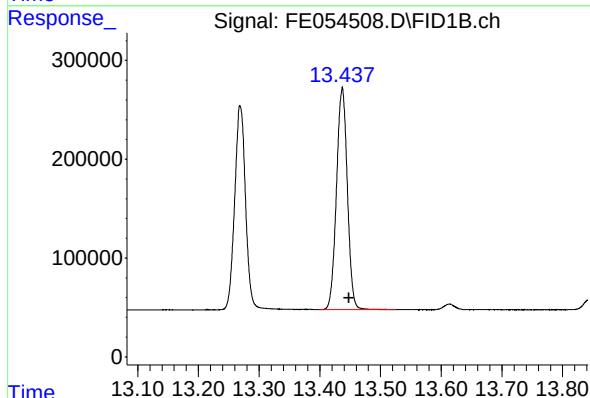
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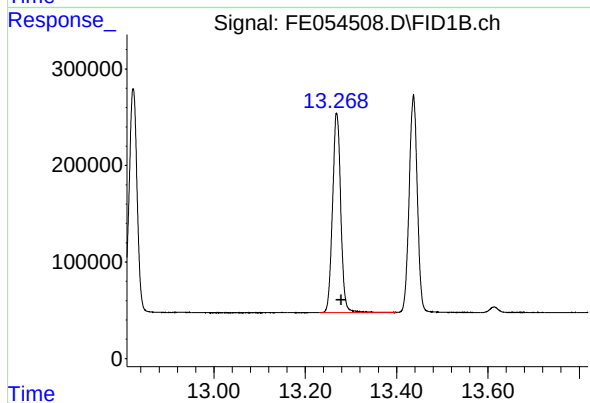
#10 n-Eicosane (C20)

R.T.: 12.823 min
Delta R.T.: -0.011 min
Response: 2819089
Conc: 21.07 ug/ml



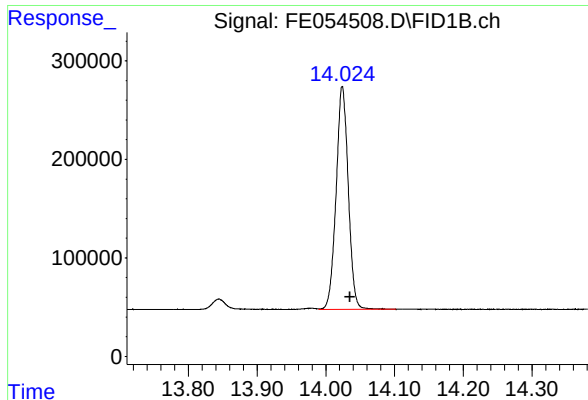
#11 n-Heneicosane (C21)

R.T.: 13.437 min
Delta R.T.: -0.011 min
Response: 2798978
Conc: 21.05 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.269 min
Delta R.T.: -0.010 min
Response: 2583985
Conc: 21.19 ug/ml



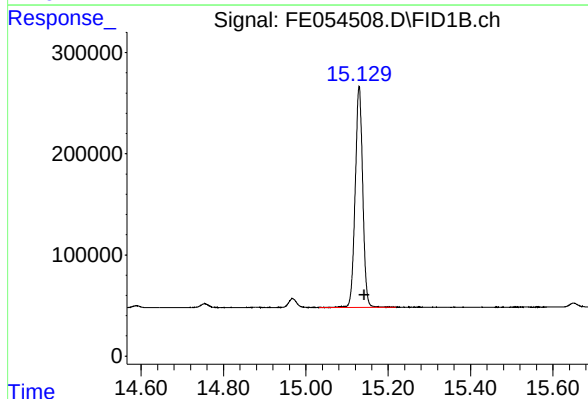
#13 n-Docosane (C22)

R.T.: 14.024 min
Delta R.T.: -0.011 min
Response: 2779904
Conc: 21.20 ug/ml

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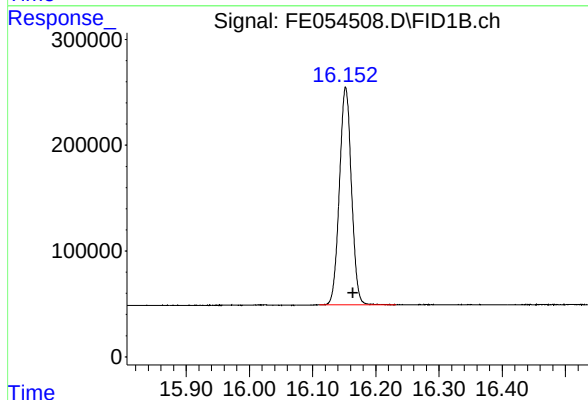
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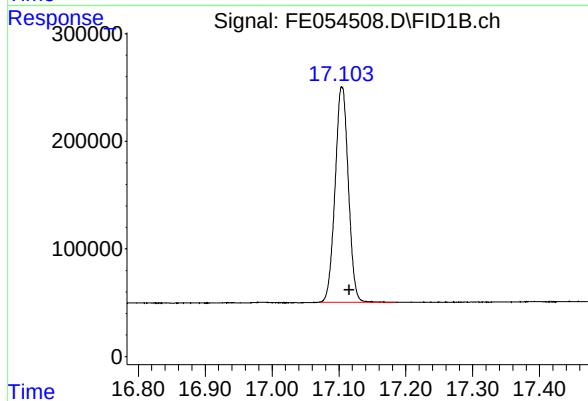
#14 n-Tetracosane (C24)

R.T.: 15.129 min
Delta R.T.: -0.012 min
Response: 2771324
Conc: 21.48 ug/ml



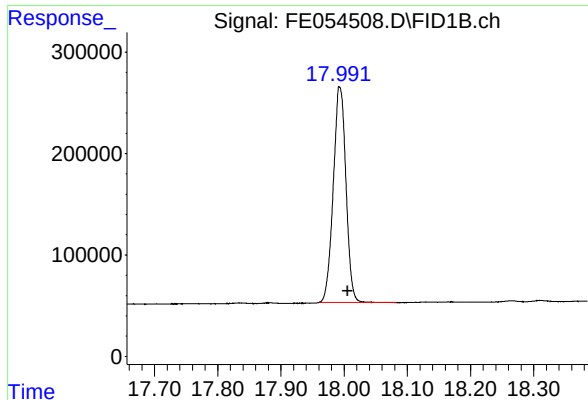
#15 n-Hexacosane (C26)

R.T.: 16.152 min
Delta R.T.: -0.012 min
Response: 2720648
Conc: 21.67 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.105 min
Delta R.T.: -0.011 min
Response: 2756628
Conc: 22.48 ug/ml



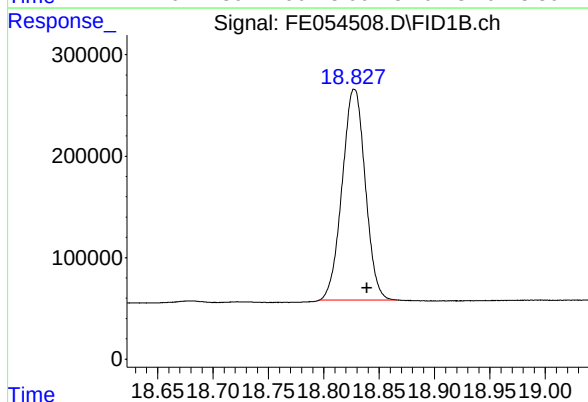
#17 n-Tricontane (C30)

R.T.: 17.993 min
Delta R.T.: -0.012 min
Response: 2967354
Conc: 23.94 ug/ml

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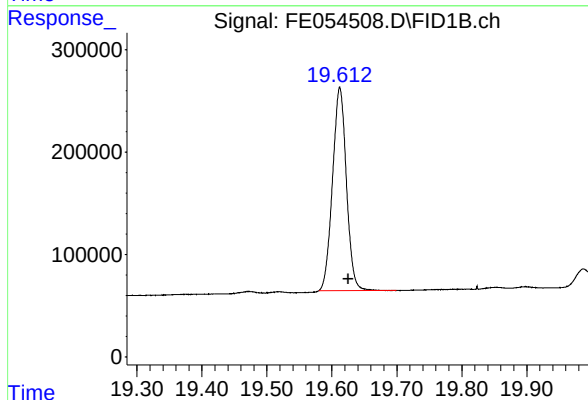
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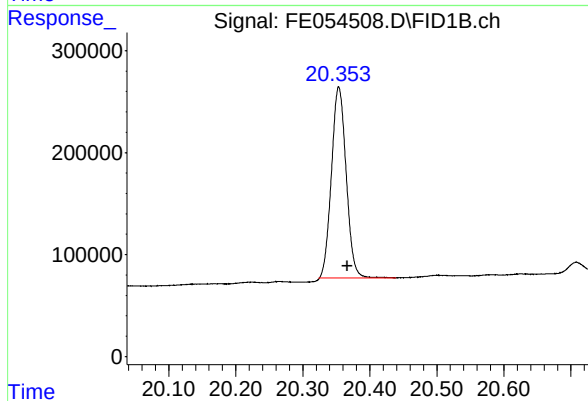
#18 n-Dotriacontane (C32)

R.T.: 18.827 min
Delta R.T.: -0.012 min
Response: 3012194
Conc: 23.97 ug/ml m



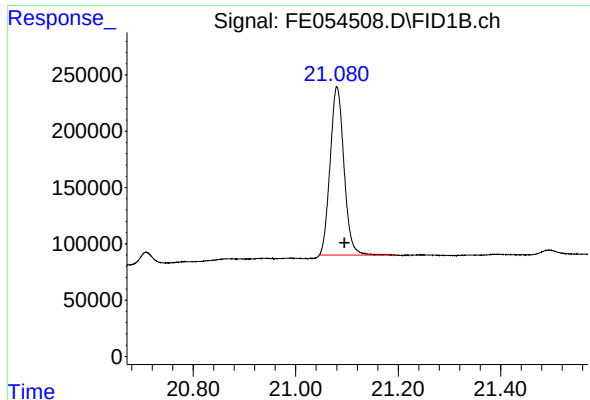
#19 n-Tetatriacontane (C34)

R.T.: 19.612 min
Delta R.T.: -0.013 min
Response: 2948605
Conc: 23.70 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.353 min
Delta R.T.: -0.013 min
Response: 2867275
Conc: 22.27 ug/ml m



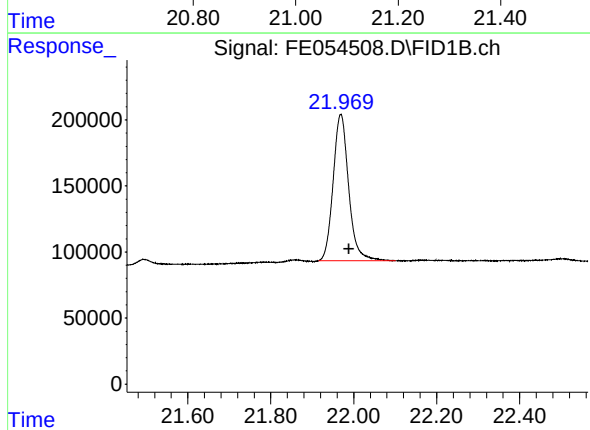
#21 n-Octatriacontane (C38)

R.T.: 21.080 min
Delta R.T.: -0.016 min
Response: 2819908
Conc: 21.36 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.969 min
Delta R.T.: -0.019 min
Response: 2876358
Conc: 21.35 ug/ml m