

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE042425AL\
 Data File : FE053516.D
 Signal(s) : FID1B.ch
 Acq On : 24 Apr 2025 07:38
 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 04/25/2025
 Supervised By :mohammad ahmed 04/26/2025

Integration File: autoint1.e
 Quant Time: Apr 25 01:24:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 15:58:53 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)	11.870	3279704	18.184 ug/ml
Spiked Amount 50.000		Recovery =	36.37%
12) S 1-chlorooctadecane (S...	13.314	2407463	17.810 ug/ml
Spiked Amount 50.000		Recovery =	35.62%
Target Compounds			
1) T n-Nonane (C9)	3.219	2657170	19.381 ug/ml
2) T n-Decane (C10)	4.480	2722676	19.682 ug/ml
3) T A~Naphthalene (C11.7)	6.191	2971387	19.685 ug/ml
4) T n-Dodecane (C12)	6.659	2751144	19.616 ug/ml
5) T A~2-methylnaphthalene...	7.293	2925746	19.596 ug/ml
6) T n-Tetradecane (C14)	8.495	2731589	19.471 ug/ml
7) T n-Hexadecane (C16)	10.108	2721809	18.991 ug/ml
8) T n-Octadecane (C18)	11.556	2706941	18.575 ug/mlm
10) T n-Eicosane (C20)	12.869	2637623	18.126 ug/ml
11) T n-Heneicosane (C21)	13.482	2602545	17.968 ug/ml
13) T n-Docosane (C22)	14.070	2581026	17.886 ug/ml
14) T n-Tetracosane (C24)	15.175	2538982	17.676 ug/ml
15) T n-Hexacosane (C26)	16.199	2491947	17.595 ug/ml
16) T n-Octacosane (C28)	17.150	2496970	17.948 ug/ml
17) T n-Tricontane (C30)	18.038	2599469	18.675 ug/ml
18) T n-Dotriacontane (C32)	18.872	2635764	19.196 ug/ml
19) T n-Tetratriacontane (C34)	19.658	2512265	19.282 ug/ml
20) T n-Hexatriacontane (C36)	20.400	2493127	19.748 ug/ml
21) T n-Octatriacontane (C38)	21.134	2409533	19.778 ug/ml
22) T n-Tetracontane (C40)	22.038	2369507	19.842 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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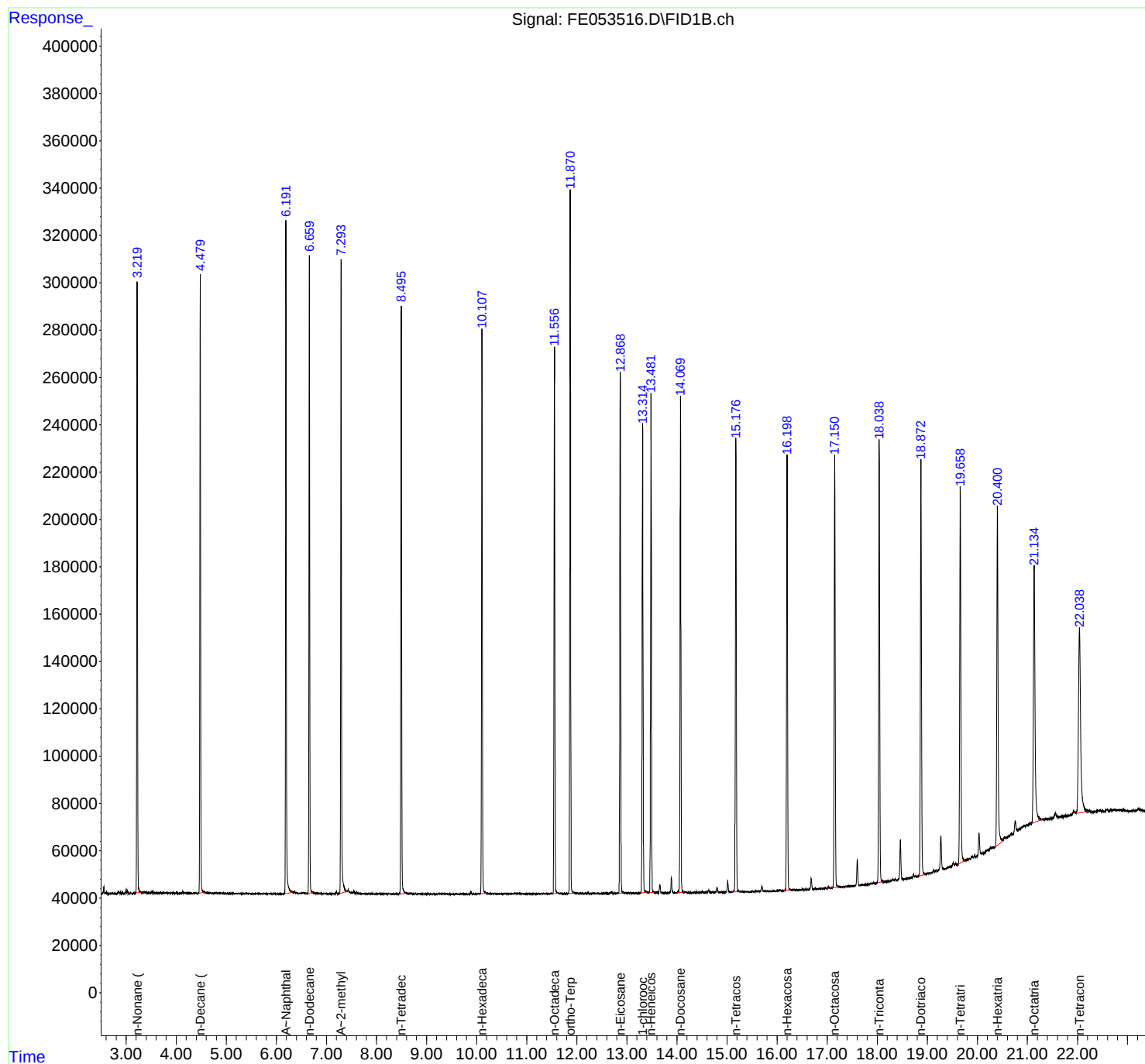
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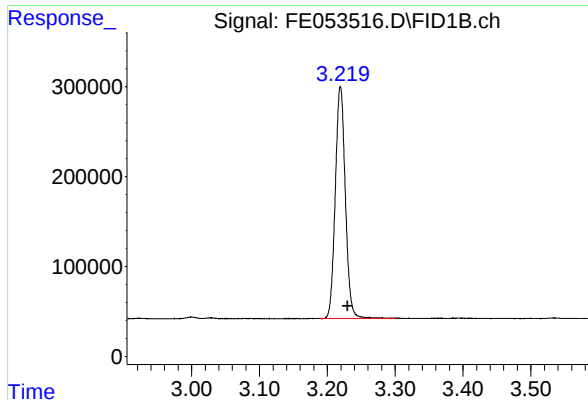
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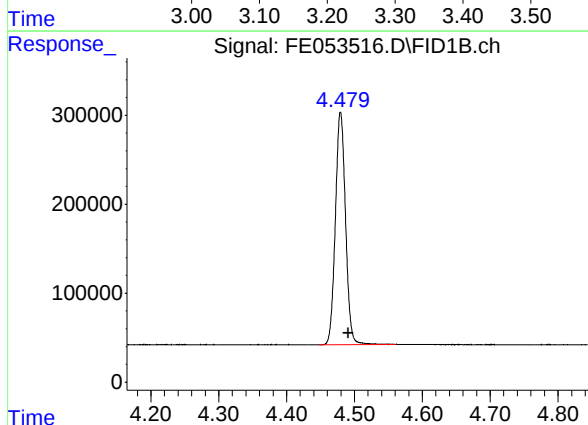
#1 n-Nonane (C9)

R.T.: 3.219 min
Delta R.T.: -0.011 min
Response: 2657170
Conc: 19.38 ug/ml

Instrument : FID_E
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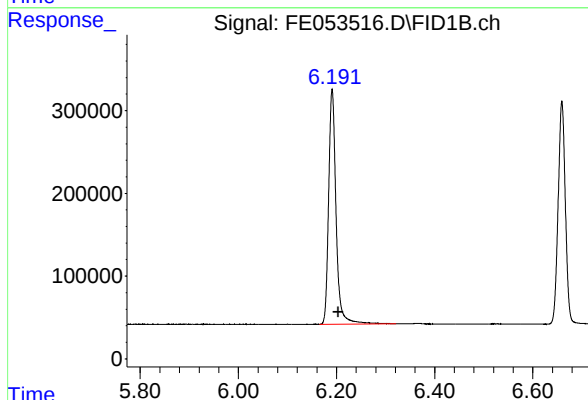
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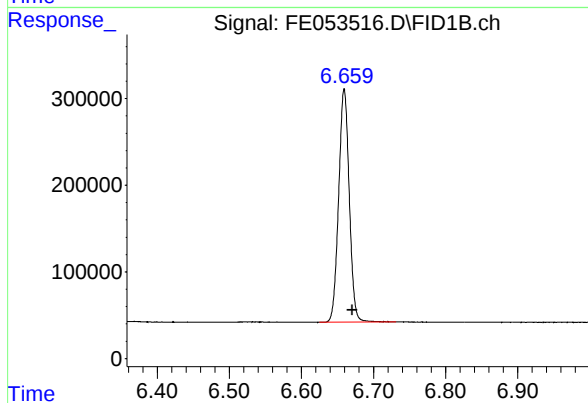
#2 n-Decane (C10)

R.T.: 4.480 min
Delta R.T.: -0.011 min
Response: 2722676
Conc: 19.68 ug/ml



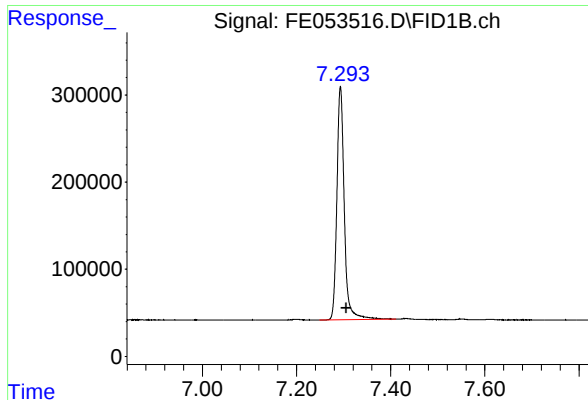
#3 A~Naphthalene (C11.7)

R.T.: 6.191 min
Delta R.T.: -0.012 min
Response: 2971387
Conc: 19.69 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.659 min
Delta R.T.: -0.011 min
Response: 2751144
Conc: 19.62 ug/ml



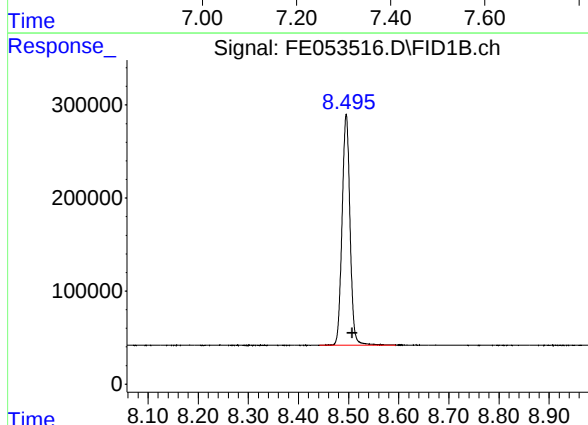
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.293 min
Delta R.T.: -0.012 min
Response: 2925746
Conc: 19.60 ug/ml

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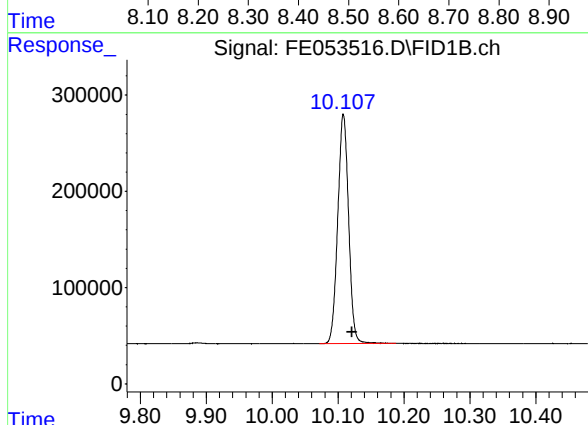
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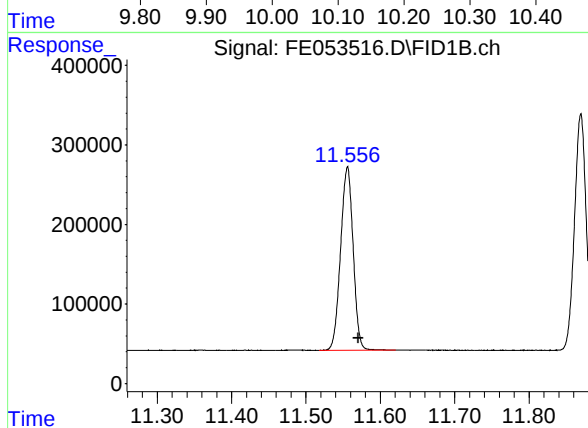
#6 n-Tetradecane (C14)

R.T.: 8.495 min
Delta R.T.: -0.012 min
Response: 2731589
Conc: 19.47 ug/ml



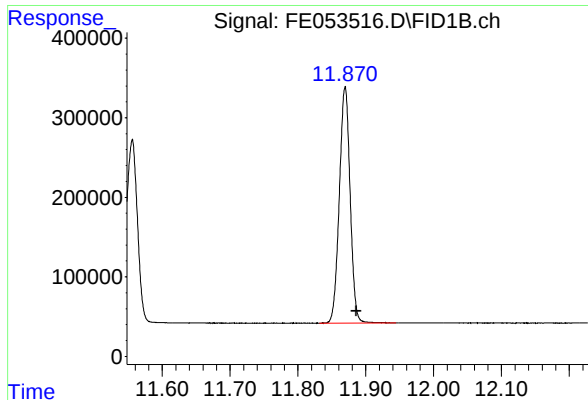
#7 n-Hexadecane (C16)

R.T.: 10.108 min
Delta R.T.: -0.013 min
Response: 2721809
Conc: 18.99 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.556 min
Delta R.T.: -0.015 min
Response: 2706941
Conc: 18.57 ug/ml m



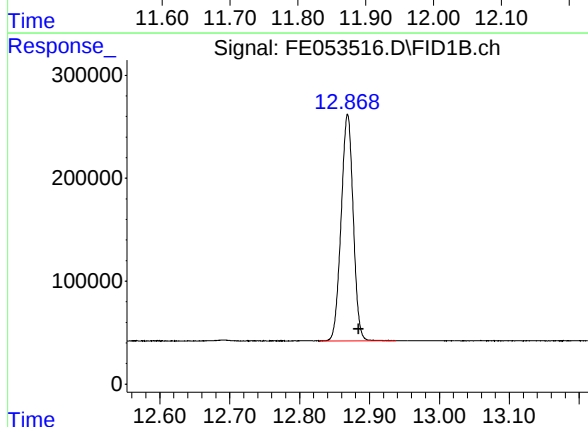
#9 ortho-Terphenyl (SURR)

R.T.: 11.870 min
Delta R.T.: -0.016 min
Response: 3279704
Conc: 18.18 ug/ml

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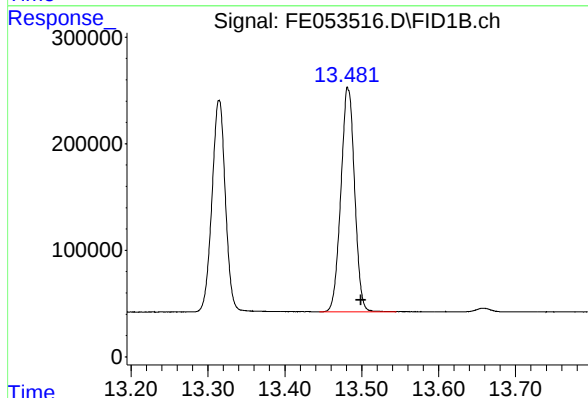
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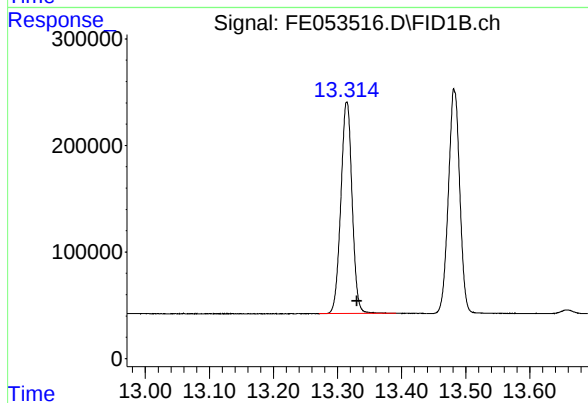
#10 n-Eicosane (C20)

R.T.: 12.869 min
Delta R.T.: -0.016 min
Response: 2637623
Conc: 18.13 ug/ml



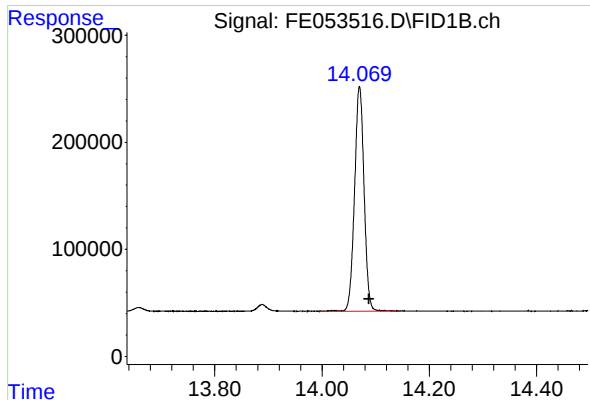
#11 n-Heneicosane (C21)

R.T.: 13.482 min
Delta R.T.: -0.017 min
Response: 2602545
Conc: 17.97 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.314 min
Delta R.T.: -0.016 min
Response: 2407463
Conc: 17.81 ug/ml



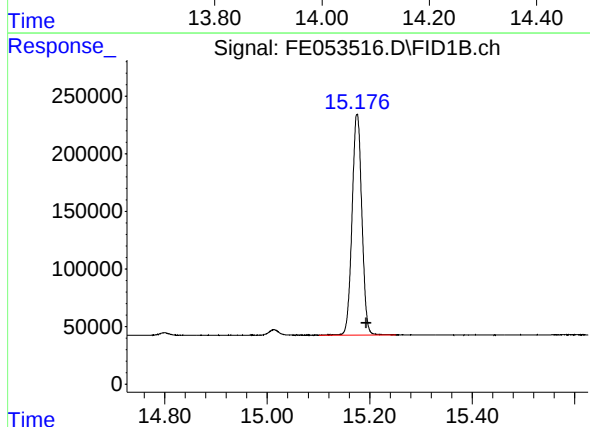
#13 n-Docosane (C22)

R.T.: 14.070 min
Delta R.T.: -0.017 min
Response: 2581026
Conc: 17.89 ug/ml

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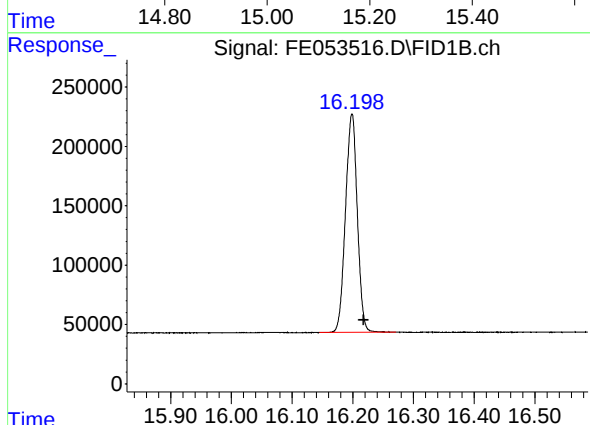
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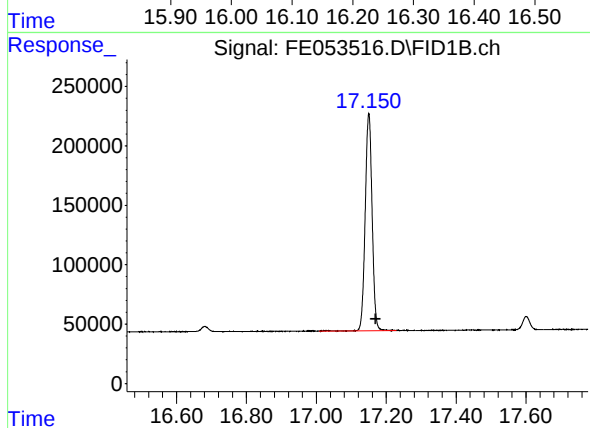
#14 n-Tetracosane (C24)

R.T.: 15.175 min
Delta R.T.: -0.018 min
Response: 2538982
Conc: 17.68 ug/ml



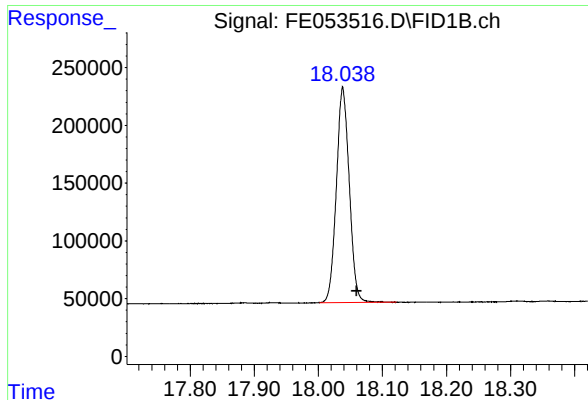
#15 n-Hexacosane (C26)

R.T.: 16.199 min
Delta R.T.: -0.019 min
Response: 2491947
Conc: 17.59 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.150 min
Delta R.T.: -0.020 min
Response: 2496970
Conc: 17.95 ug/ml



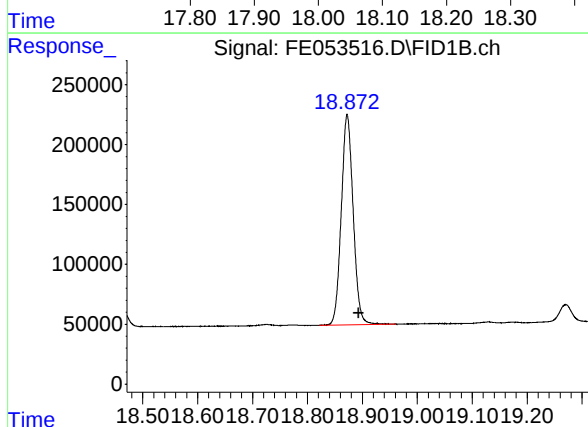
#17 n-Tricontane (C30)

R.T.: 18.038 min
Delta R.T.: -0.022 min
Response: 2599469
Conc: 18.68 ug/ml

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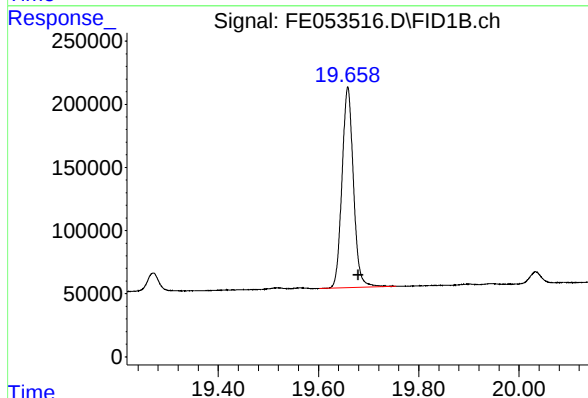
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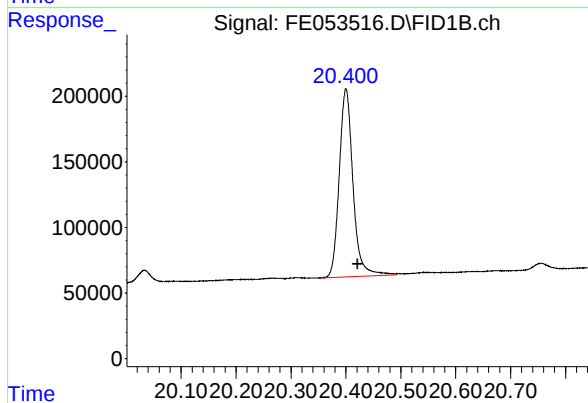
#18 n-Dotriacontane (C32)

R.T.: 18.872 min
Delta R.T.: -0.021 min
Response: 2635764
Conc: 19.20 ug/ml



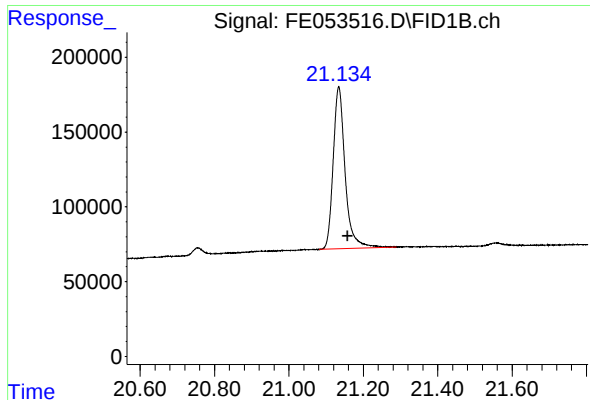
#19 n-Tetratriacontane (C34)

R.T.: 19.658 min
Delta R.T.: -0.021 min
Response: 2512265
Conc: 19.28 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.400 min
Delta R.T.: -0.022 min
Response: 2493127
Conc: 19.75 ug/ml



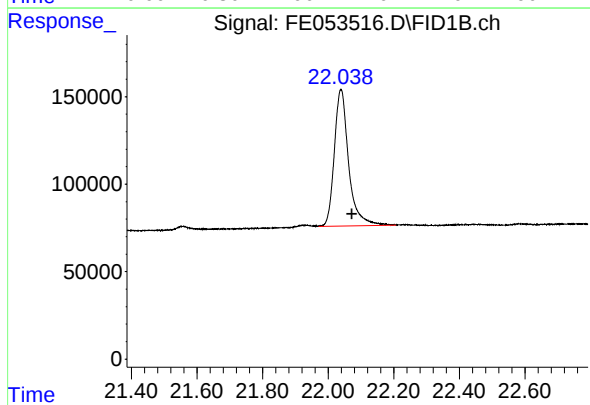
#21 n-Octatriacontane (C38)

R.T.: 21.134 min
Delta R.T.: -0.024 min
Response: 2409533
Conc: 19.78 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.038 min
Delta R.T.: -0.035 min
Response: 2369507
Conc: 19.84 ug/ml m