

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE042325AL\
 Data File : FE053492.D
 Signal(s) : FID1B.ch
 Acq On : 23 Apr 2025 07:42
 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 04/24/2025
 Supervised By :mohammad ahmed 04/26/2025

Integration File: autoint1.e
 Quant Time: Apr 24 01:23:50 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)	11.871	3239112	17.959 ug/ml
Spiked Amount 50.000		Recovery =	35.92%
12) S 1-chlorooctadecane (S...	13.316	2389561	17.677 ug/ml
Spiked Amount 50.000		Recovery =	35.35%
Target Compounds			
1) T n-Nonane (C9)	3.220	2624748	19.144 ug/ml
2) T n-Decane (C10)	4.481	2681630	19.385 ug/ml
3) T A~Naphthalene (C11.7)	6.193	2930548	19.415 ug/ml
4) T n-Dodecane (C12)	6.660	2717123	19.374 ug/ml
5) T A~2-methylnaphthalene...	7.294	2897750	19.408 ug/ml
6) T n-Tetradecane (C14)	8.496	2685607	19.143 ug/ml
7) T n-Hexadecane (C16)	10.109	2684639	18.731 ug/ml
8) T n-Octadecane (C18)	11.557	2633393	18.070 ug/ml
10) T n-Eicosane (C20)	12.870	2606921	17.915 ug/ml
11) T n-Heneicosane (C21)	13.485	2571542	17.754 ug/ml
13) T n-Docosane (C22)	14.072	2544915	17.636 ug/ml
14) T n-Tetracosane (C24)	15.178	2515535	17.513 ug/ml
15) T n-Hexacosane (C26)	16.200	2470429	17.443 ug/ml
16) T n-Octacosane (C28)	17.152	2467442	17.735 ug/ml
17) T n-Tricontane (C30)	18.041	2543706	18.274 ug/ml
18) T n-Dotriacontane (C32)	18.875	2574736	18.752 ug/ml
19) T n-Tetratriacontane (C34)	19.660	2466998	18.934 ug/ml
20) T n-Hexatriacontane (C36)	20.401	2445840	19.374 ug/ml
21) T n-Octatriacontane (C38)	21.136	2410811	19.788 ug/ml
22) T n-Tetracontane (C40)	22.038	2377550	19.909 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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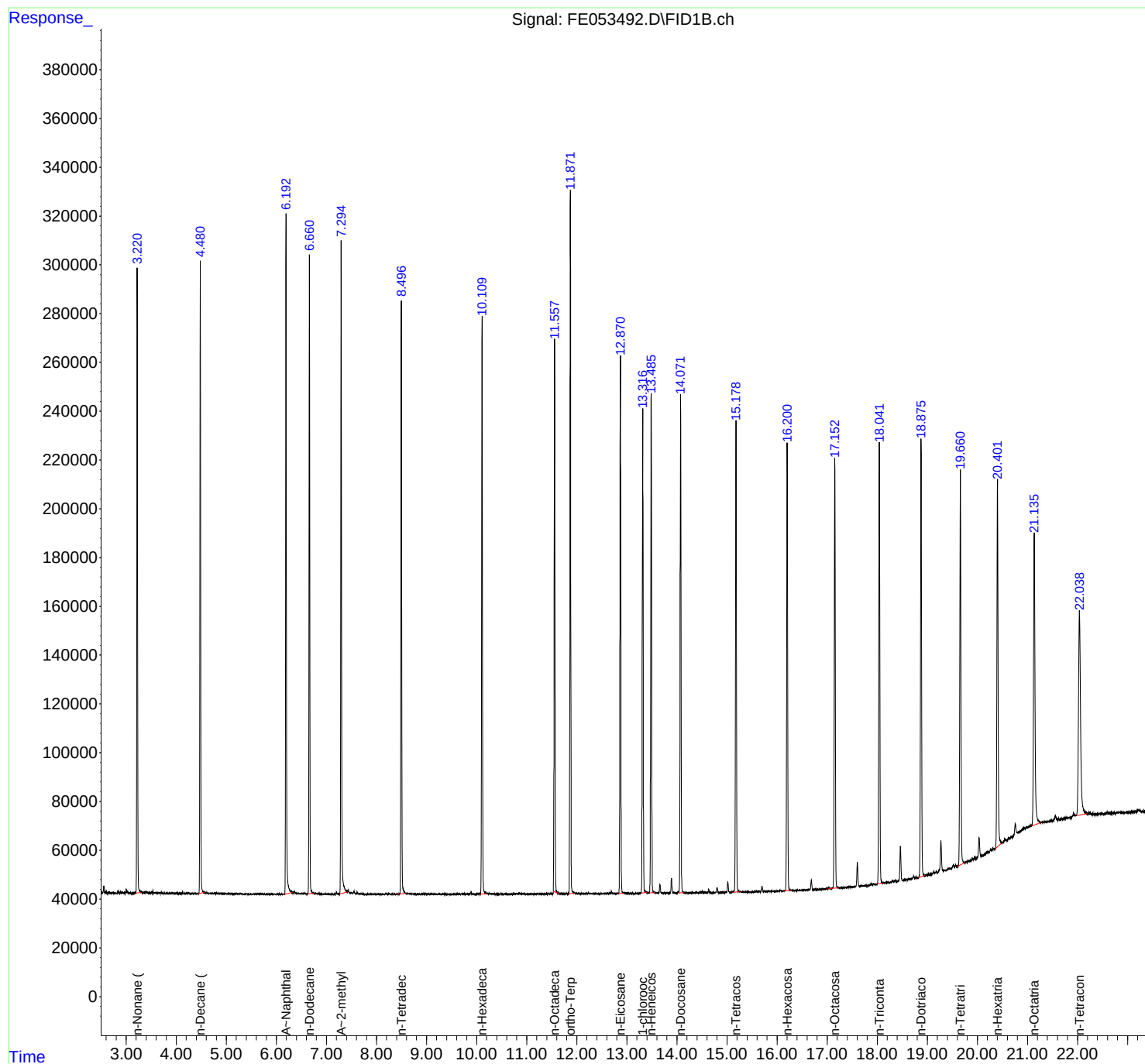
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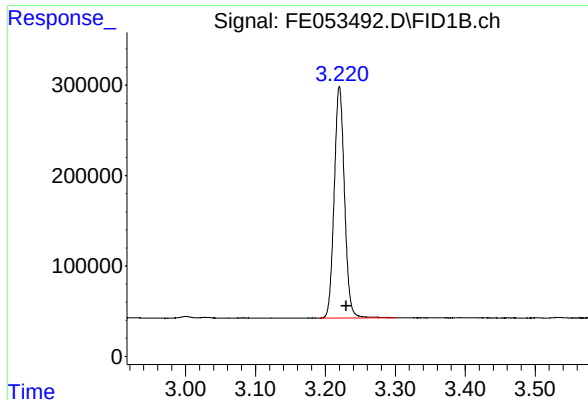
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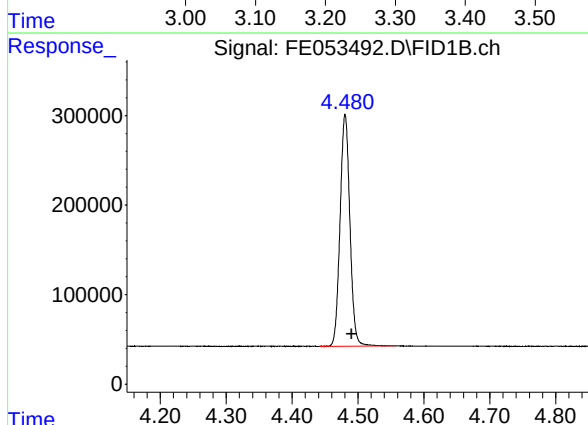
#1 n-Nonane (C9)

R.T.: 3.220 min
Delta R.T.: -0.010 min
Response: 2624748
Conc: 19.14 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

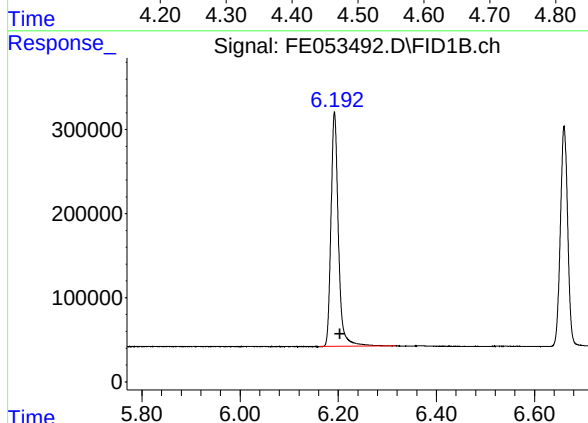
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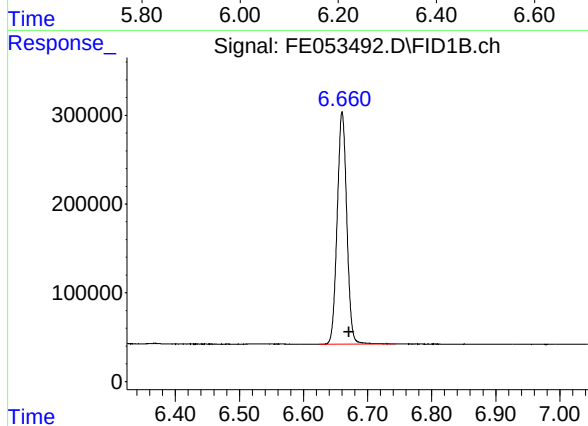
#2 n-Decane (C10)

R.T.: 4.481 min
Delta R.T.: -0.010 min
Response: 2681630
Conc: 19.39 ug/ml



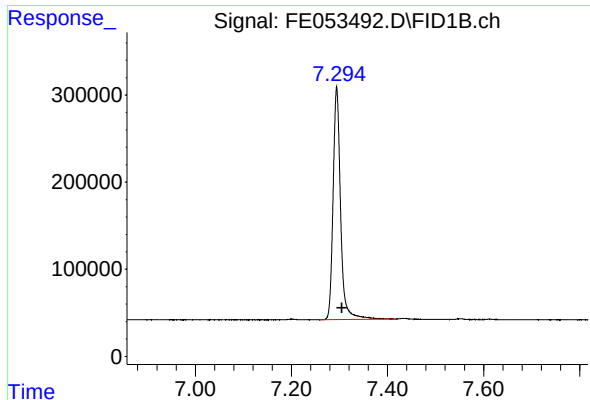
#3 A~Naphthalene (C11.7)

R.T.: 6.193 min
Delta R.T.: -0.011 min
Response: 2930548
Conc: 19.41 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.660 min
Delta R.T.: -0.010 min
Response: 2717123
Conc: 19.37 ug/ml



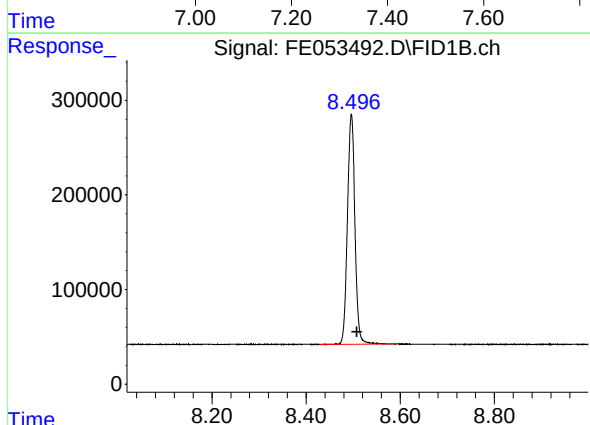
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.294 min
Delta R.T.: -0.011 min
Response: 2897750
Conc: 19.41 ug/ml

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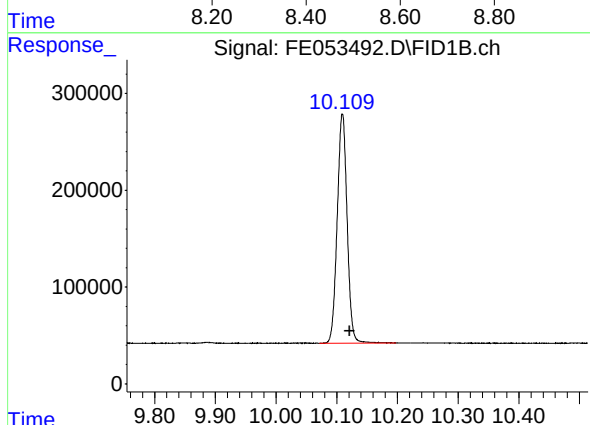
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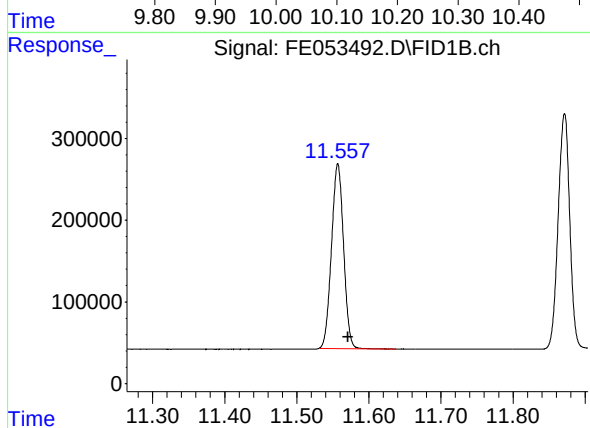
#6 n-Tetradecane (C14)

R.T.: 8.496 min
Delta R.T.: -0.011 min
Response: 2685607
Conc: 19.14 ug/ml



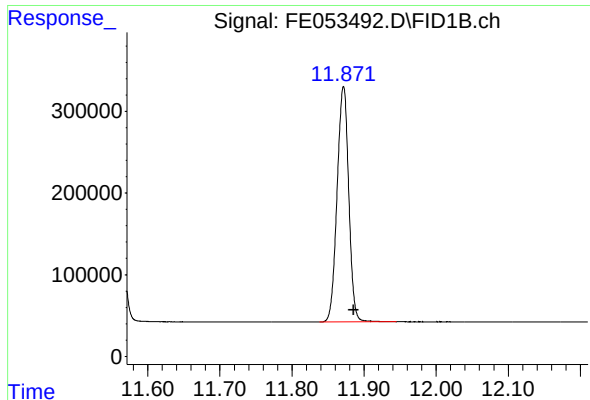
#7 n-Hexadecane (C16)

R.T.: 10.109 min
Delta R.T.: -0.012 min
Response: 2684639
Conc: 18.73 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.557 min
Delta R.T.: -0.014 min
Response: 2633393
Conc: 18.07 ug/ml



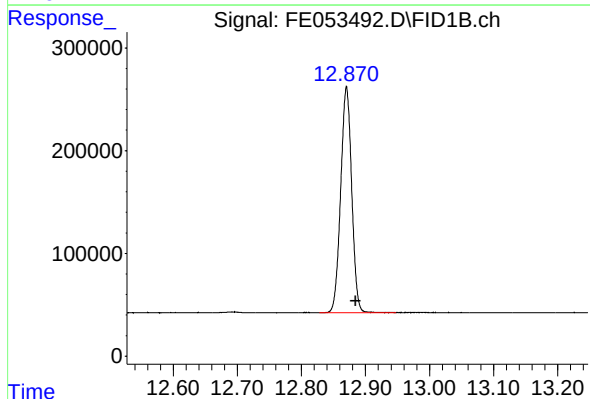
#9 ortho-Terphenyl (SURR)

R.T.: 11.871 min
Delta R.T.: -0.014 min
Response: 3239112
Conc: 17.96 ug/ml

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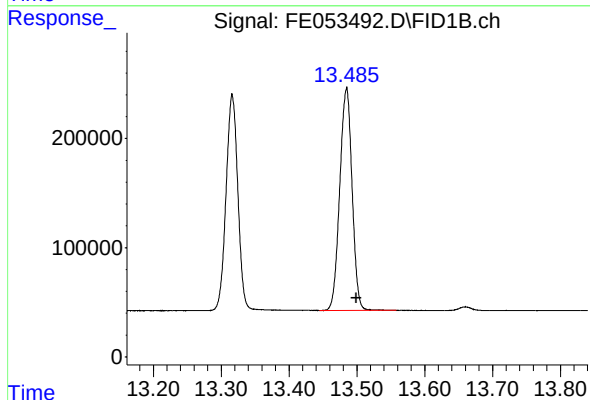
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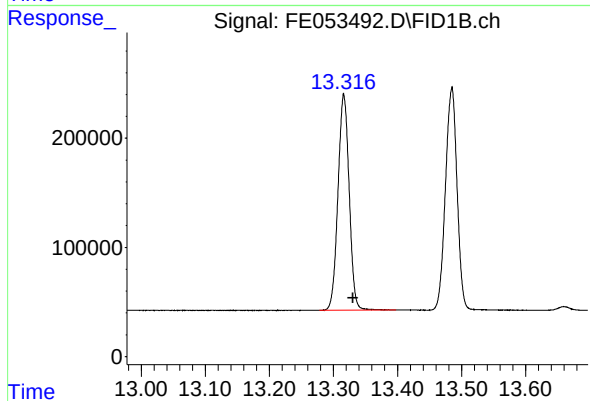
#10 n-Eicosane (C20)

R.T.: 12.870 min
Delta R.T.: -0.014 min
Response: 2606921
Conc: 17.92 ug/ml



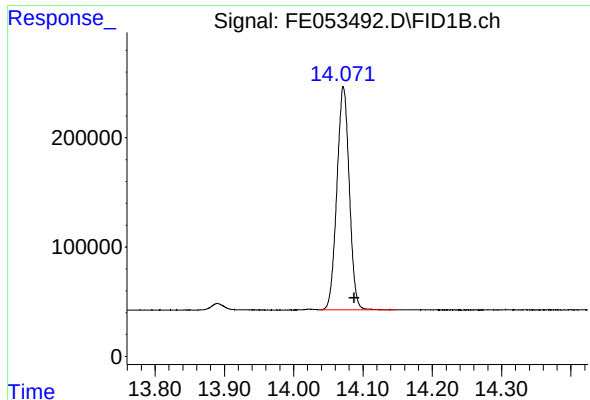
#11 n-Heneicosane (C21)

R.T.: 13.485 min
Delta R.T.: -0.015 min
Response: 2571542
Conc: 17.75 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.316 min
Delta R.T.: -0.014 min
Response: 2389561
Conc: 17.68 ug/ml



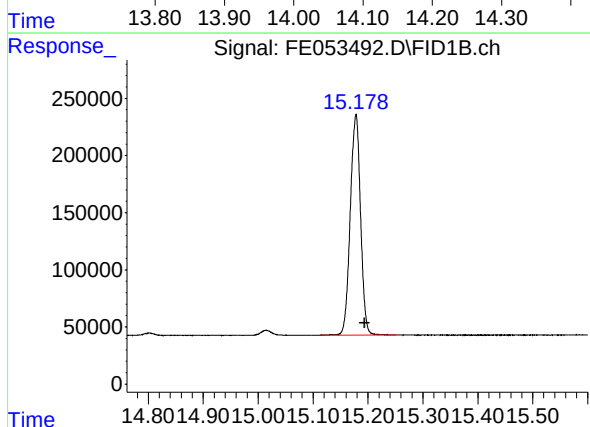
#13 n-Docosane (C22)

R.T.: 14.072 min
Delta R.T.: -0.016 min
Response: 2544915
Conc: 17.64 ug/ml

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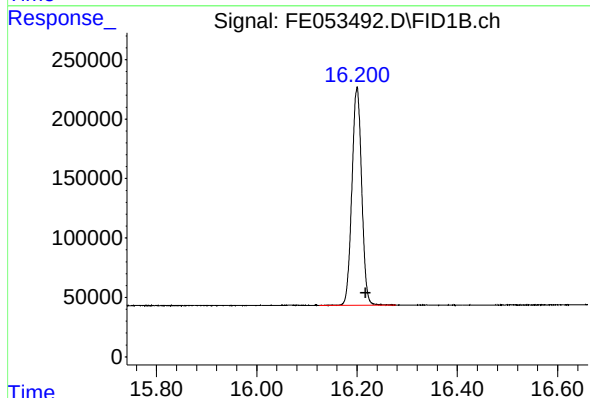
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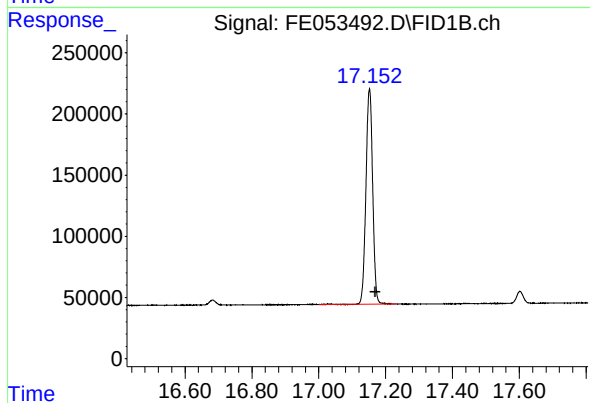
#14 n-Tetracosane (C24)

R.T.: 15.178 min
Delta R.T.: -0.016 min
Response: 2515535
Conc: 17.51 ug/ml



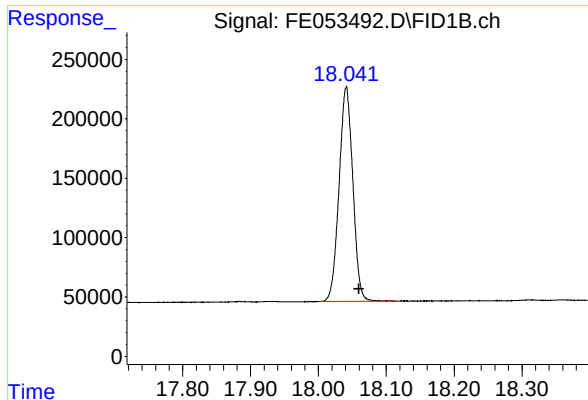
#15 n-Hexacosane (C26)

R.T.: 16.200 min
Delta R.T.: -0.018 min
Response: 2470429
Conc: 17.44 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.152 min
Delta R.T.: -0.018 min
Response: 2467442
Conc: 17.74 ug/ml



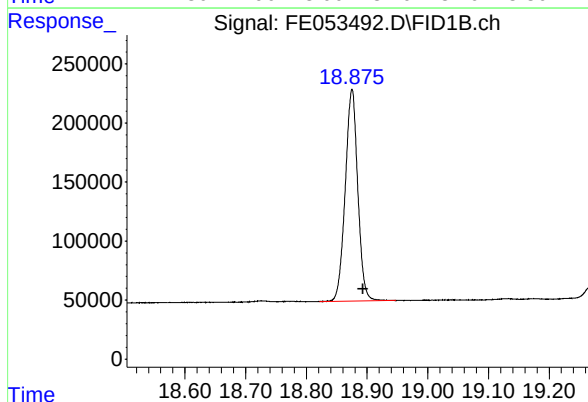
#17 n-Tricontane (C30)

R.T.: 18.041 min
Delta R.T.: -0.019 min
Response: 2543706
Conc: 18.27 ug/ml

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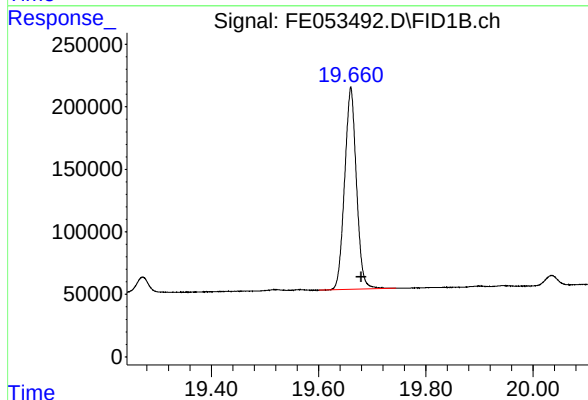
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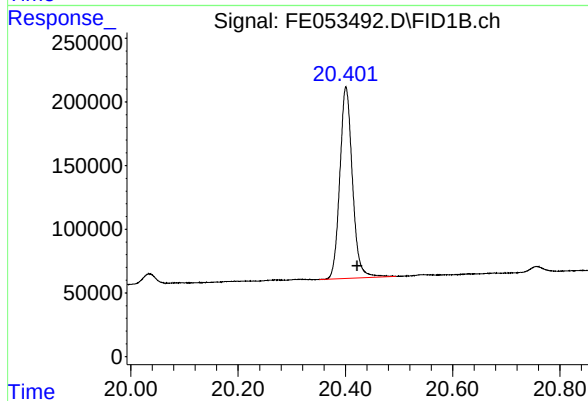
#18 n-Dotriacontane (C32)

R.T.: 18.875 min
Delta R.T.: -0.018 min
Response: 2574736
Conc: 18.75 ug/ml



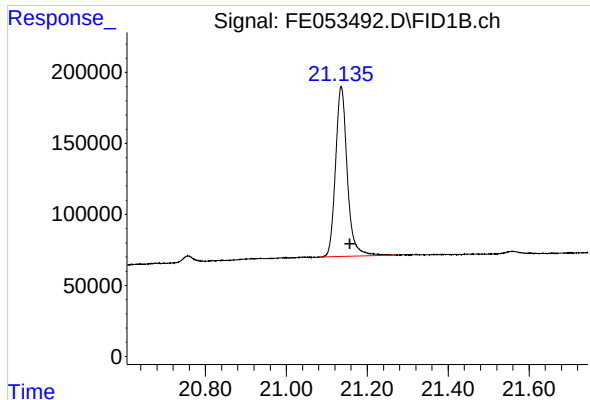
#19 n-Tetratriacontane (C34)

R.T.: 19.660 min
Delta R.T.: -0.019 min
Response: 2466998
Conc: 18.93 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.401 min
Delta R.T.: -0.021 min
Response: 2445840
Conc: 19.37 ug/ml



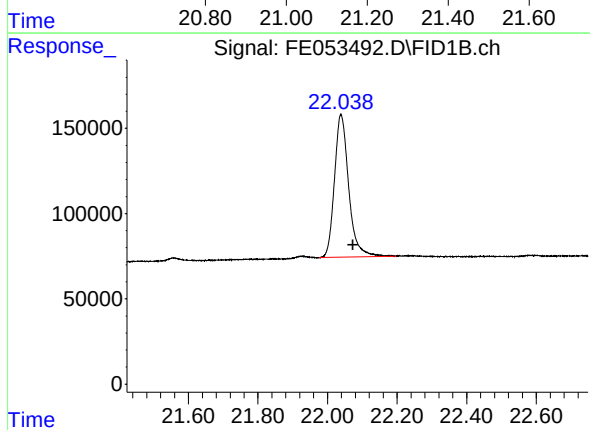
#21 n-Octatriacontane (C38)

R.T.: 21.136 min
Delta R.T.: -0.022 min
Response: 2410811
Conc: 19.79 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.038 min
Delta R.T.: -0.035 min
Response: 2377550
Conc: 19.91 ug/ml m