

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE042525AL\
 Data File : FE053538.D
 Signal(s) : FID1B.ch
 Acq On : 25 Apr 2025 22:02
 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 04/28/2025
 Supervised By :mohammad ahmed 05/02/2025

Integration File: autoint1.e
 Quant Time: Apr 25 23:13:31 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	3444533	19.098 ug/ml
Spiked Amount 50.000		Recovery =	38.20%
12) S 1-chlorooctadecane (S...	13.316	2556602	18.913 ug/ml
Spiked Amount 50.000		Recovery =	37.83%
Target Compounds			
1) T n-Nonane (C9)	3.218	2715840	19.809 ug/ml
2) T n-Decane (C10)	4.479	2775151	20.061 ug/ml
3) T A~Naphthalene (C11.7)	6.191	3037703	20.125 ug/ml
4) T n-Dodecane (C12)	6.660	2815406	20.074 ug/ml
5) T A~2-methylnaphthalene...	7.294	3006423	20.136 ug/ml
6) T n-Tetradecane (C14)	8.495	2800321	19.961 ug/ml
7) T n-Hexadecane (C16)	10.109	2821874	19.689 ug/ml
8) T n-Octadecane (C18)	11.556	2814915	19.315 ug/mlm
10) T n-Eicosane (C20)	12.870	2772526	19.054 ug/ml
11) T n-Heneicosane (C21)	13.484	2743534	18.941 ug/ml
13) T n-Docosane (C22)	14.072	2722089	18.864 ug/ml
14) T n-Tetracosane (C24)	15.177	2700907	18.803 ug/ml
15) T n-Hexacosane (C26)	16.201	2661088	18.789 ug/ml
16) T n-Octacosane (C28)	17.152	2677232	19.243 ug/ml
17) T n-Tricontane (C30)	18.043	2802547	20.134 ug/ml
18) T n-Dotriacontane (C32)	18.875	2834610	20.644 ug/ml
19) T n-Tetratriacontane (C34)	19.660	2680781	20.575 ug/ml
20) T n-Hexatriacontane (C36)	20.402	2600295	20.597 ug/ml
21) T n-Octatriacontane (C38)	21.136	2749882	22.571 ug/ml
22) T n-Tetracontane (C40)	22.041	2406832	20.154 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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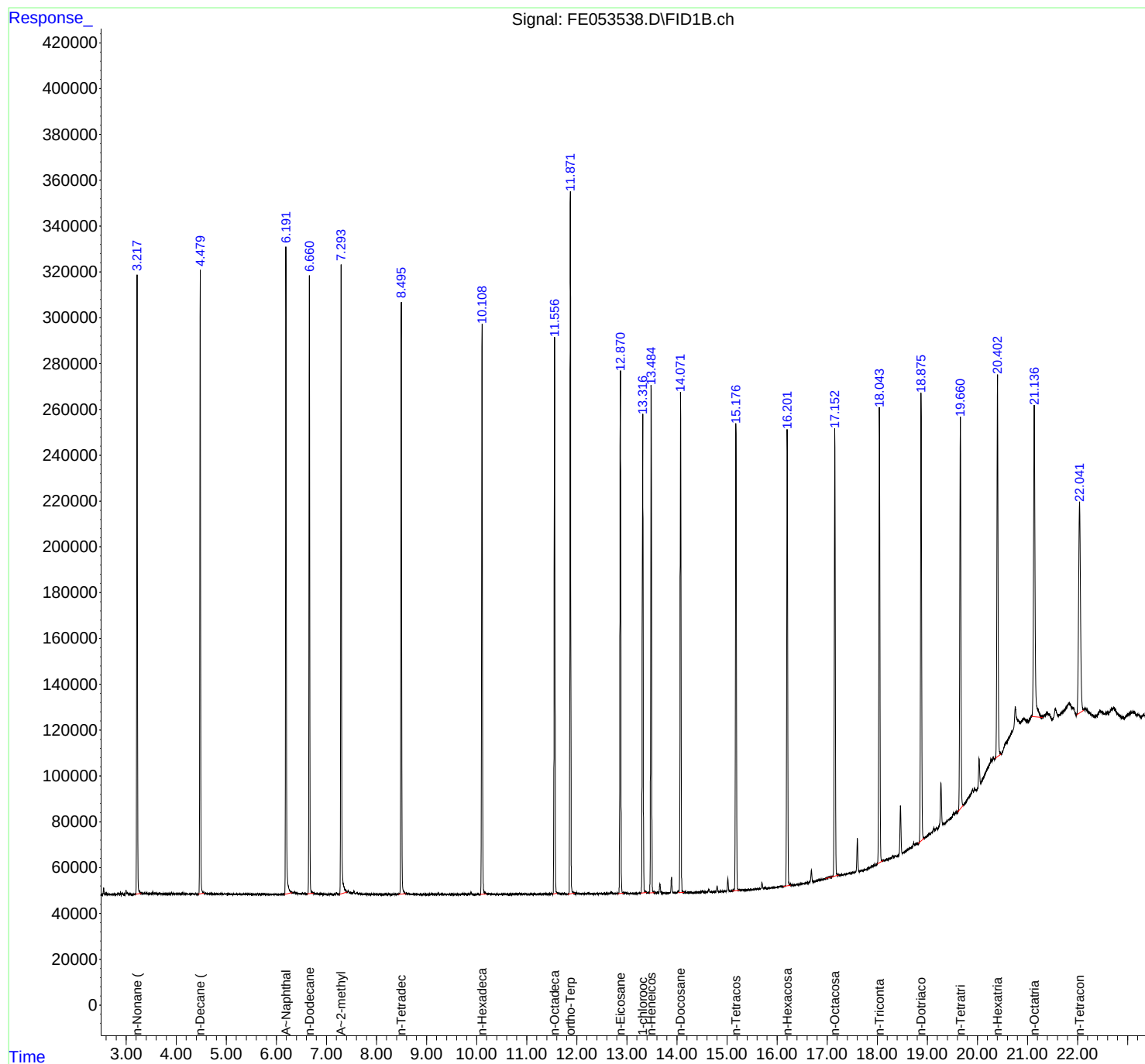
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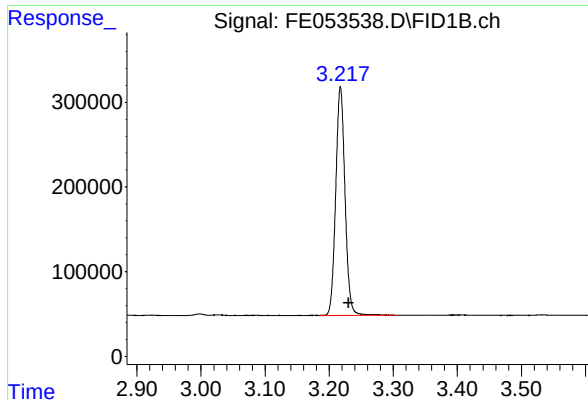
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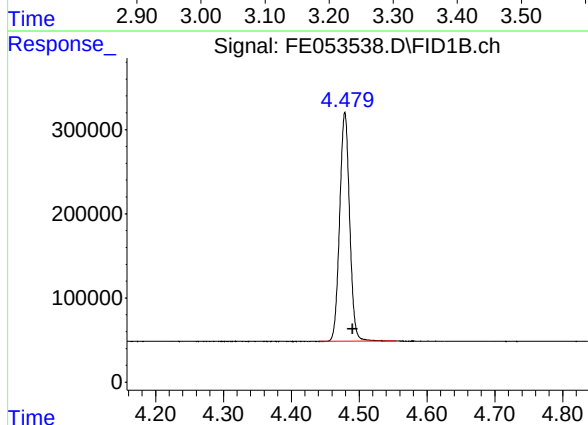
#1 n-Nonane (C9)

R.T.: 3.218 min
Delta R.T.: -0.012 min
Response: 2715840
Conc: 19.81 ug/ml

Instrument :
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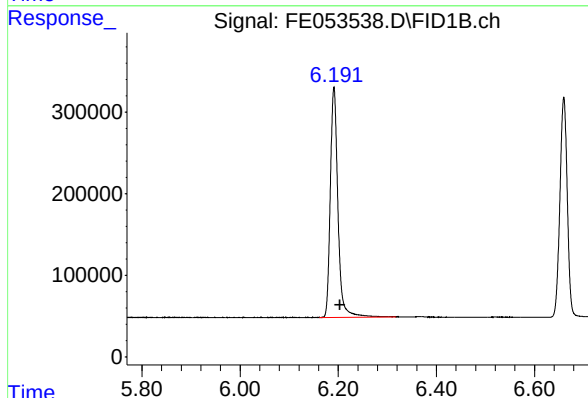
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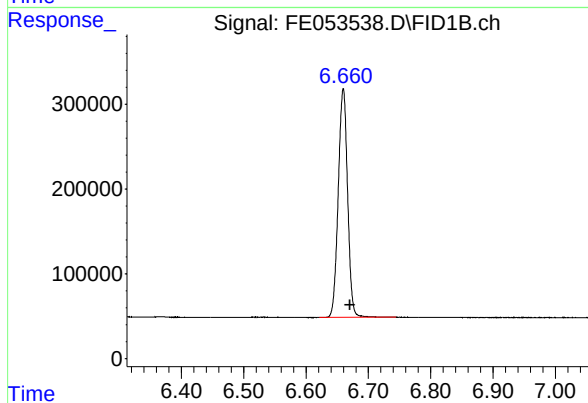
#2 n-Decane (C10)

R.T.: 4.479 min
Delta R.T.: -0.012 min
Response: 2775151
Conc: 20.06 ug/ml



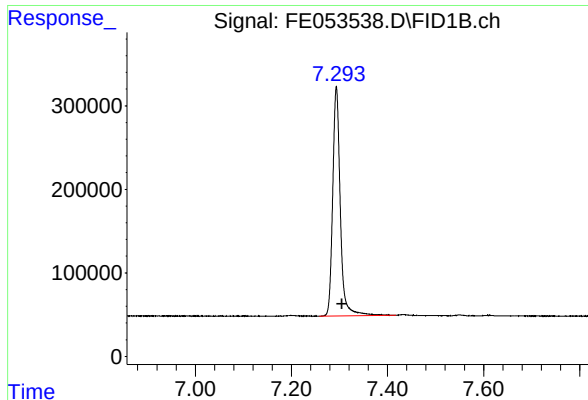
#3 A~Naphthalene (C11.7)

R.T.: 6.191 min
Delta R.T.: -0.012 min
Response: 3037703
Conc: 20.12 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.660 min
Delta R.T.: -0.011 min
Response: 2815406
Conc: 20.07 ug/ml



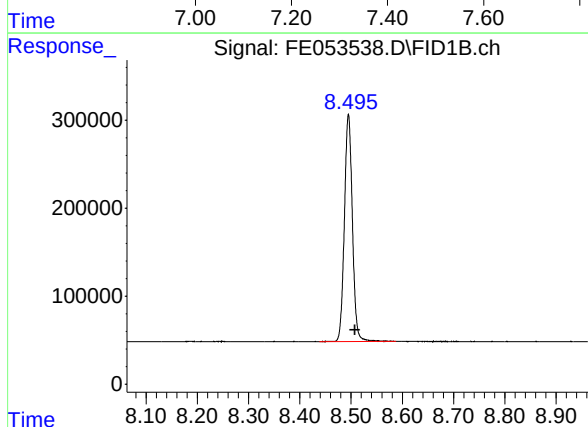
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.294 min
Delta R.T.: -0.012 min
Response: 3006423
Conc: 20.14 ug/ml

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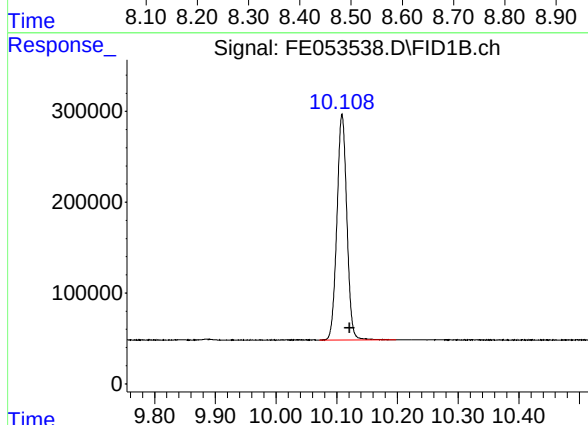
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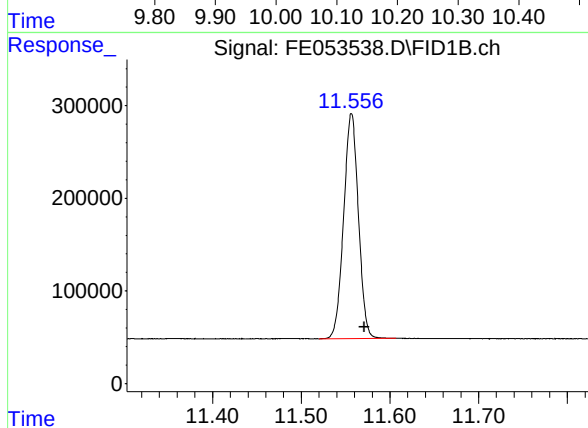
#6 n-Tetradecane (C14)

R.T.: 8.495 min
Delta R.T.: -0.013 min
Response: 2800321
Conc: 19.96 ug/ml



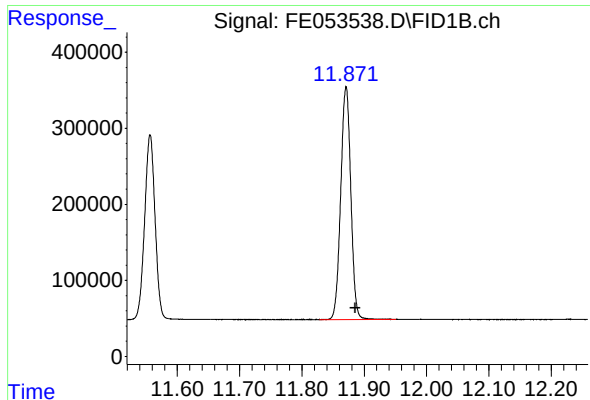
#7 n-Hexadecane (C16)

R.T.: 10.109 min
Delta R.T.: -0.012 min
Response: 2821874
Conc: 19.69 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.556 min
Delta R.T.: -0.015 min
Response: 2814915
Conc: 19.32 ug/ml m



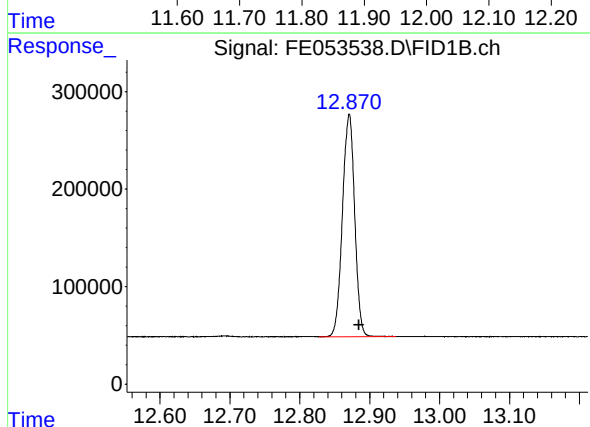
#9 ortho-Terphenyl (SURR)

R.T.: 11.871 min
Delta R.T.: -0.015 min
Response: 3444533
Conc: 19.10 ug/ml

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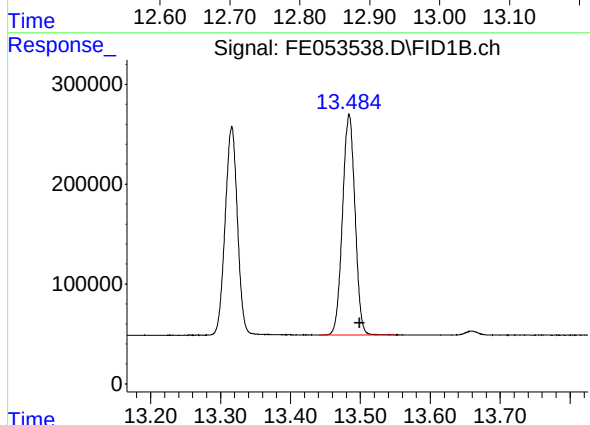
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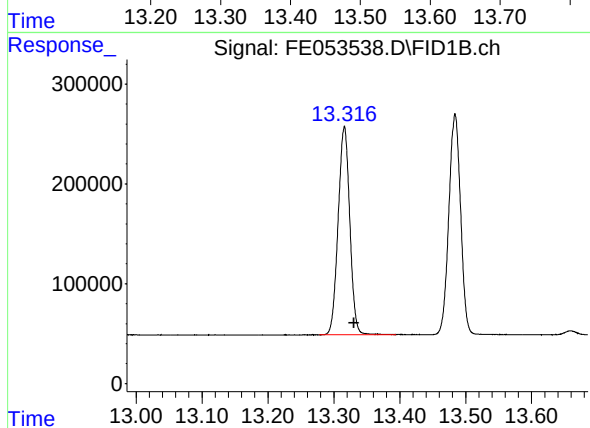
#10 n-Eicosane (C20)

R.T.: 12.870 min
Delta R.T.: -0.014 min
Response: 2772526
Conc: 19.05 ug/ml



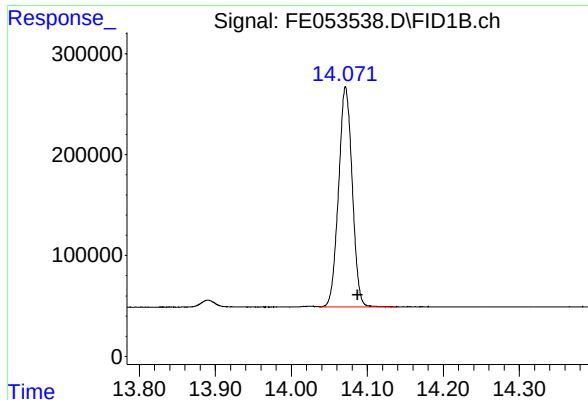
#11 n-Heneicosane (C21)

R.T.: 13.484 min
Delta R.T.: -0.015 min
Response: 2743534
Conc: 18.94 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.316 min
Delta R.T.: -0.014 min
Response: 2556602
Conc: 18.91 ug/ml



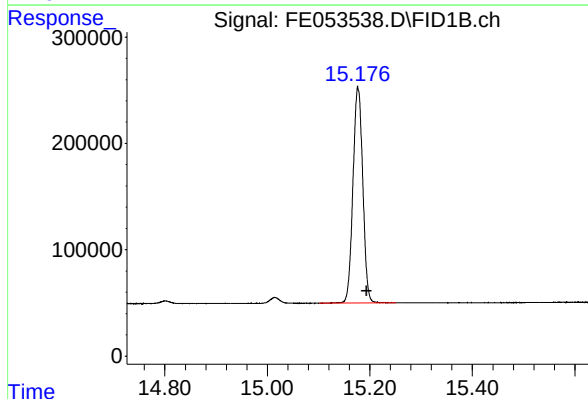
#13 n-Docosane (C22)

R.T.: 14.072 min
Delta R.T.: -0.016 min
Response: 2722089
Conc: 18.86 ug/ml

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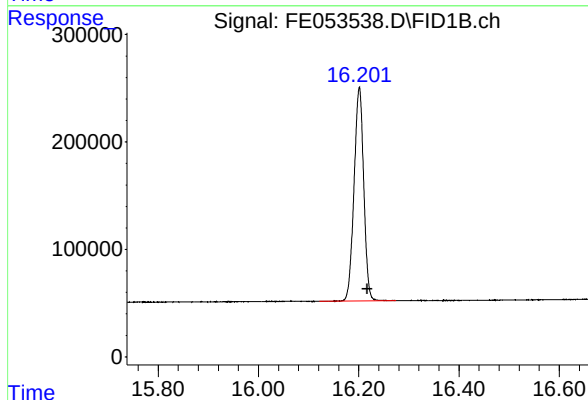
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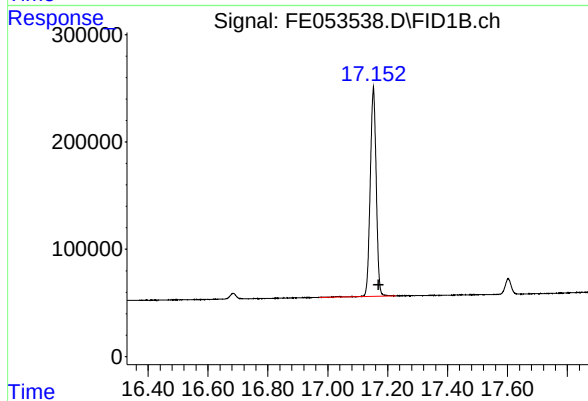
#14 n-Tetracosane (C24)

R.T.: 15.177 min
Delta R.T.: -0.017 min
Response: 2700907
Conc: 18.80 ug/ml



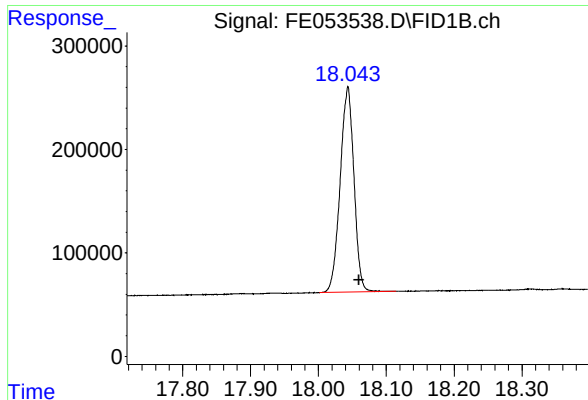
#15 n-Hexacosane (C26)

R.T.: 16.201 min
Delta R.T.: -0.017 min
Response: 2661088
Conc: 18.79 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.152 min
Delta R.T.: -0.018 min
Response: 2677232
Conc: 19.24 ug/ml



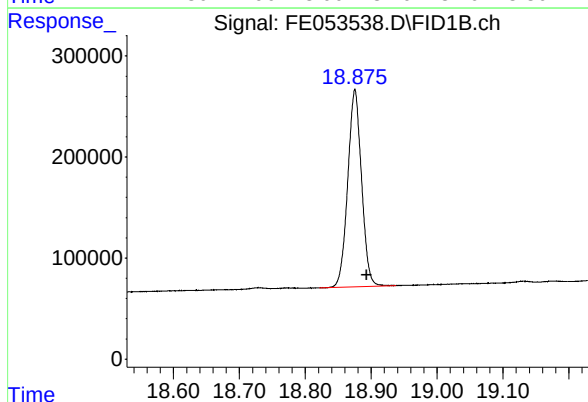
#17 n-Tricontane (C30)

R.T.: 18.043 min
Delta R.T.: -0.017 min
Response: 2802547
Conc: 20.13 ug/ml

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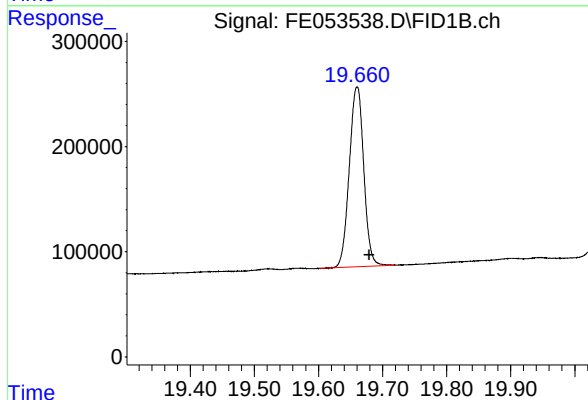
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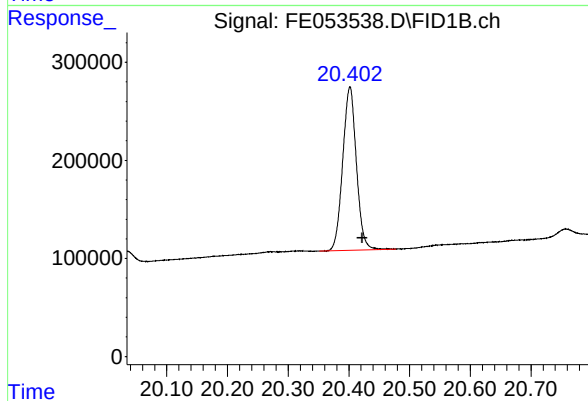
#18 n-Dotriacontane (C32)

R.T.: 18.875 min
Delta R.T.: -0.018 min
Response: 2834610
Conc: 20.64 ug/ml



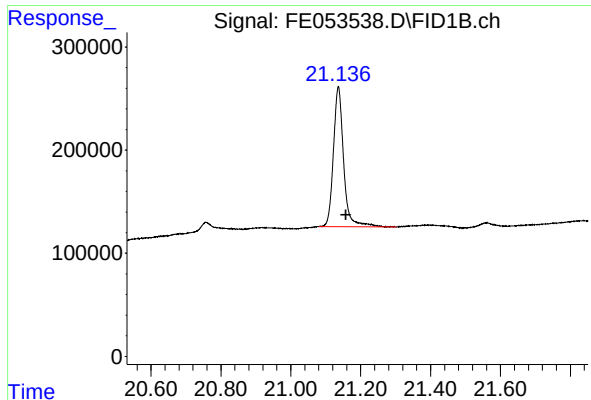
#19 n-Tetratriacontane (C34)

R.T.: 19.660 min
Delta R.T.: -0.019 min
Response: 2680781
Conc: 20.57 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.402 min
Delta R.T.: -0.020 min
Response: 2600295
Conc: 20.60 ug/ml



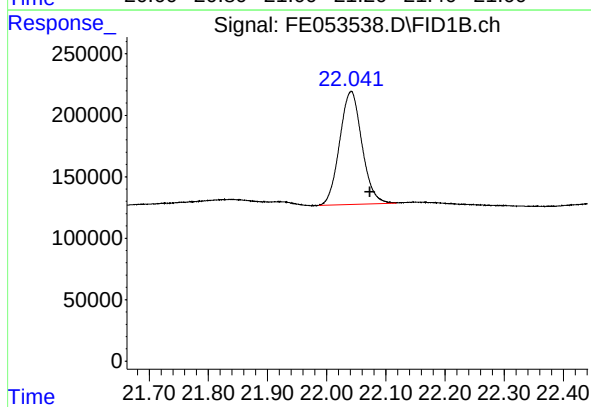
#21 n-Octatriacontane (C38)

R.T.: 21.136 min
Delta R.T.: -0.022 min
Response: 2749882
Conc: 22.57 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.041 min
Delta R.T.: -0.032 min
Response: 2406832
Conc: 20.15 ug/ml m