

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE051525AL\
 Data File : FE053845.D
 Signal(s) : FID1B.ch
 Acq On : 15 May 2025 13:25
 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 05/16/2025
 Supervised By :mohammad ahmed 05/19/2025

Integration File: autoint1.e
 Quant Time: May 15 23:22:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051425.M
 Quant Title : GC Extractables
 QLast Update : Wed May 14 12:15:41 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)	11.849	3166461	19.484 ug/ml
Spiked Amount 50.000		Recovery =	38.97%
12) S 1-chlorooctadecane (S...	13.294	2331561	19.667 ug/ml
Spiked Amount 50.000		Recovery =	39.33%
Target Compounds			
1) T n-Nonane (C9)	3.200	2628242	19.446 ug/ml
2) T n-Decane (C10)	4.461	2635333	19.502 ug/ml
3) T A~Naphthalene (C11.7)	6.173	2846819	19.809 ug/ml
4) T n-Dodecane (C12)	6.641	2672278	19.591 ug/ml
5) T A~2-methylnaphthalene...	7.275	2791880	20.128 ug/ml
6) T n-Tetradecane (C14)	8.476	2644140	19.594 ug/ml
7) T n-Hexadecane (C16)	10.088	2639734	19.563 ug/ml
8) T n-Octadecane (C18)	11.535	2626948	19.508 ug/ml
10) T n-Eicosane (C20)	12.848	2556888	19.455 ug/ml
11) T n-Heneicosane (C21)	13.462	2524887	19.476 ug/ml
13) T n-Docosane (C22)	14.050	2492079	19.534 ug/ml
14) T n-Tetracosane (C24)	15.155	2446372	19.553 ug/ml
15) T n-Hexacosane (C26)	16.178	2402030	19.616 ug/ml
16) T n-Octacosane (C28)	17.130	2379947	19.578 ug/ml
17) T n-Tricontane (C30)	18.019	2427466	19.488 ug/ml
18) T n-Dotriacontane (C32)	18.852	2450894	19.599 ug/ml
19) T n-Tetratriacontane (C34)	19.638	2377824	19.961 ug/ml
20) T n-Hexatriacontane (C36)	20.380	2365180	20.427 ug/ml
21) T n-Octatriacontane (C38)	21.112	2315697	21.279 ug/ml
22) T n-Tetracontane (C40)	22.008	2225610	22.429 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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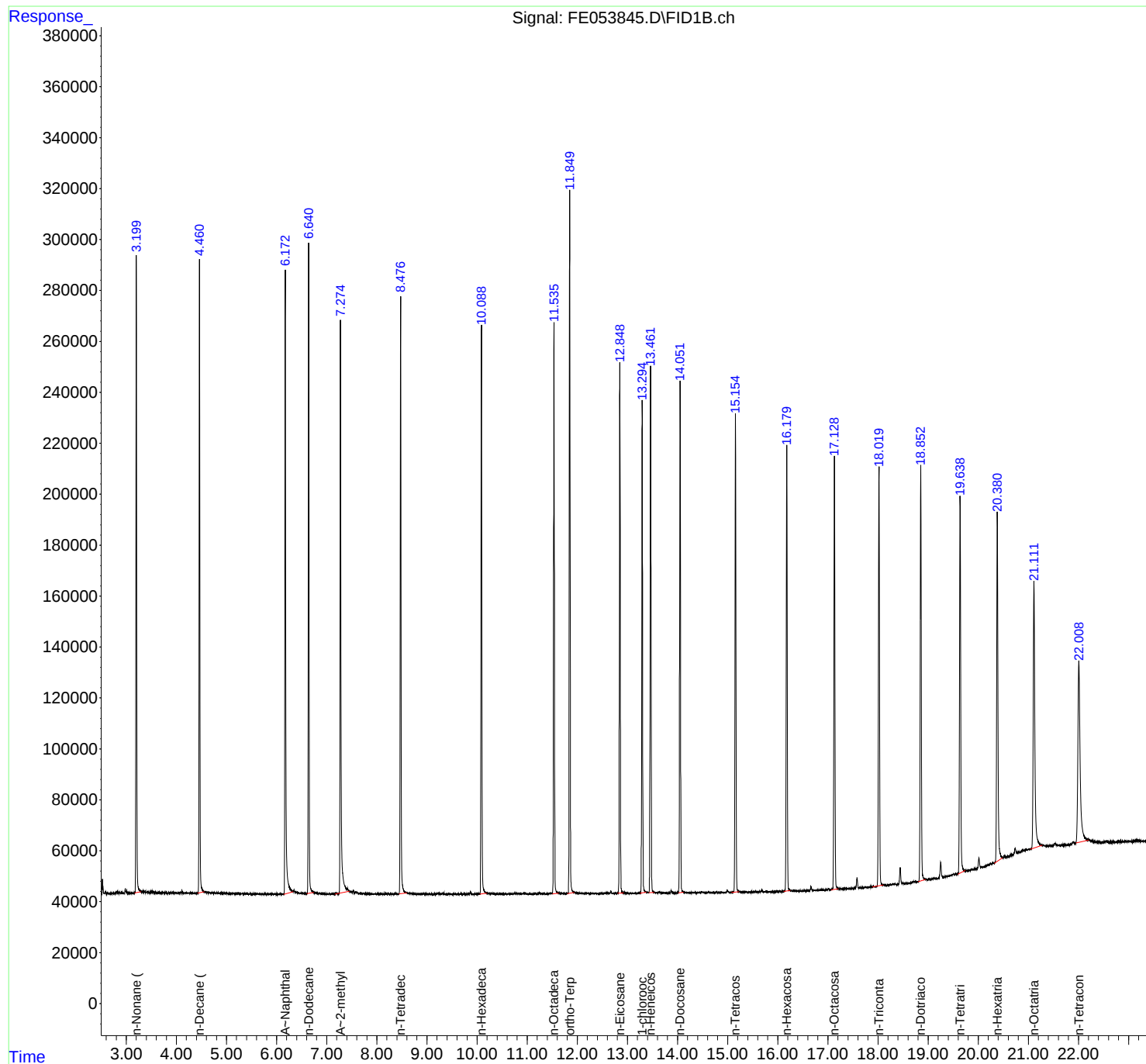
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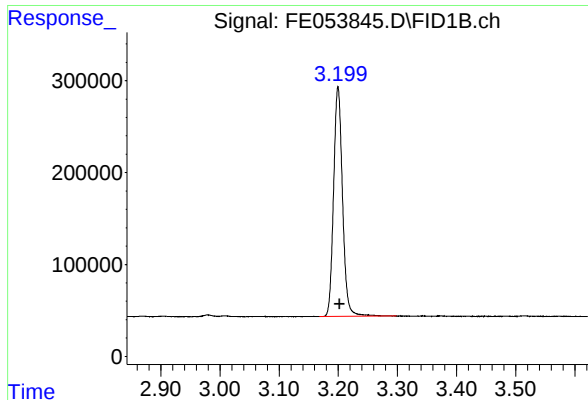
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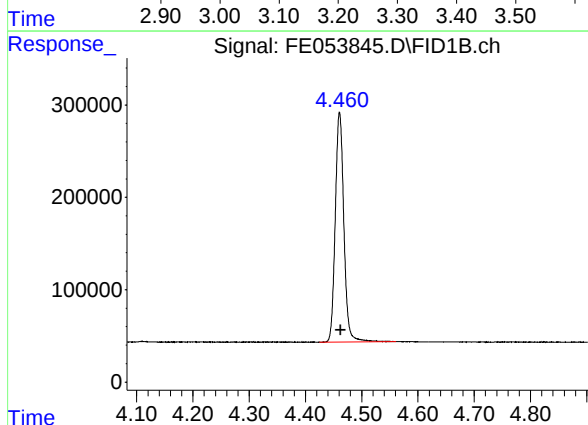
#1 n-Nonane (C9)

R.T.: 3.200 min
Delta R.T.: -0.002 min
Response: 2628242
Conc: 19.45 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

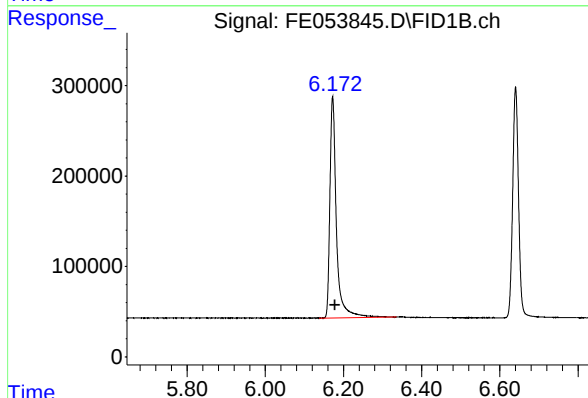
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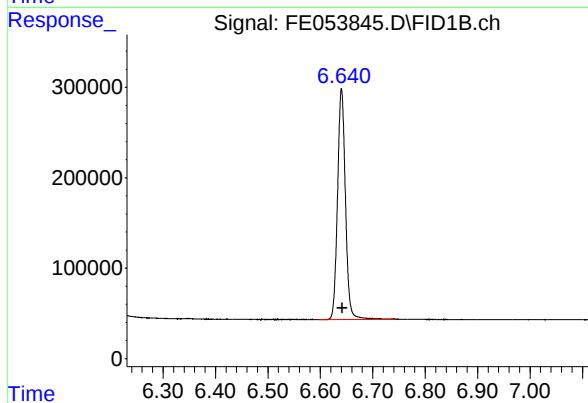
#2 n-Decane (C10)

R.T.: 4.461 min
Delta R.T.: -0.002 min
Response: 2635333
Conc: 19.50 ug/ml



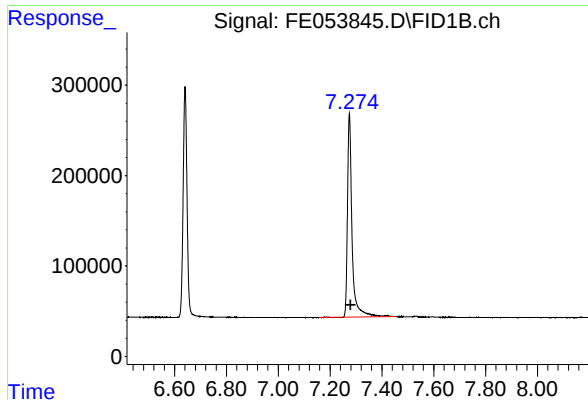
#3 A~Naphthalene (C11.7)

R.T.: 6.173 min
Delta R.T.: -0.006 min
Response: 2846819
Conc: 19.81 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.641 min
Delta R.T.: -0.002 min
Response: 2672278
Conc: 19.59 ug/ml



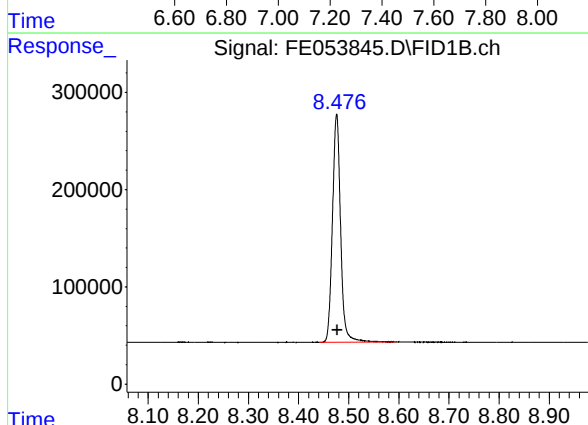
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.275 min
Delta R.T.: -0.006 min
Response: 2791880
Conc: 20.13 ug/ml

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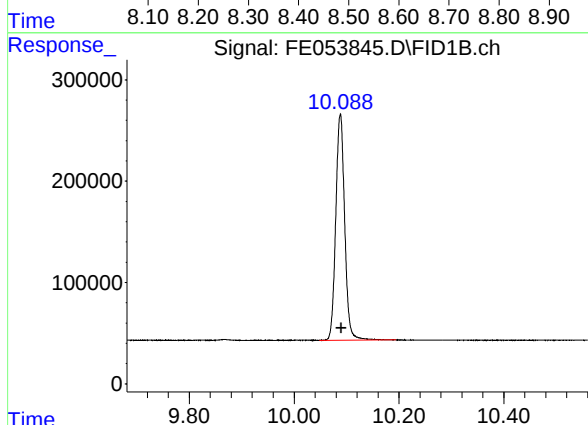
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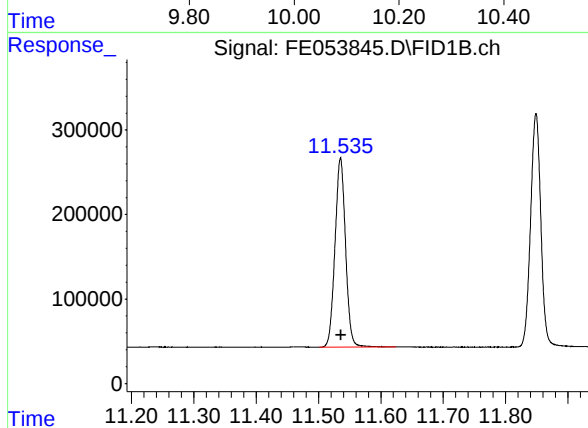
#6 n-Tetradecane (C14)

R.T.: 8.476 min
Delta R.T.: -0.001 min
Response: 2644140
Conc: 19.59 ug/ml



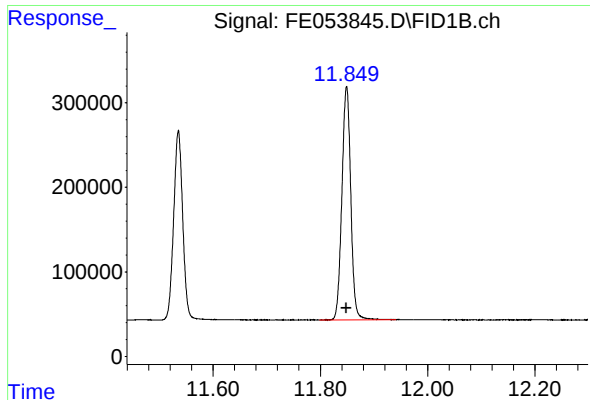
#7 n-Hexadecane (C16)

R.T.: 10.088 min
Delta R.T.: -0.002 min
Response: 2639734
Conc: 19.56 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.535 min
Delta R.T.: 0.000 min
Response: 2626948
Conc: 19.51 ug/ml



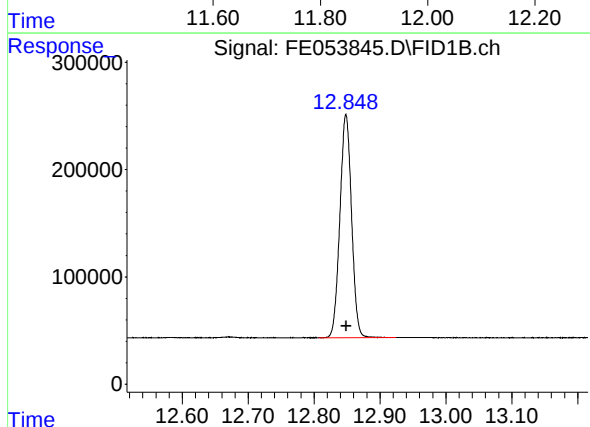
#9 ortho-Terphenyl (SURR)

R.T.: 11.849 min
Delta R.T.: 0.000 min
Response: 3166461
Conc: 19.48 ug/ml

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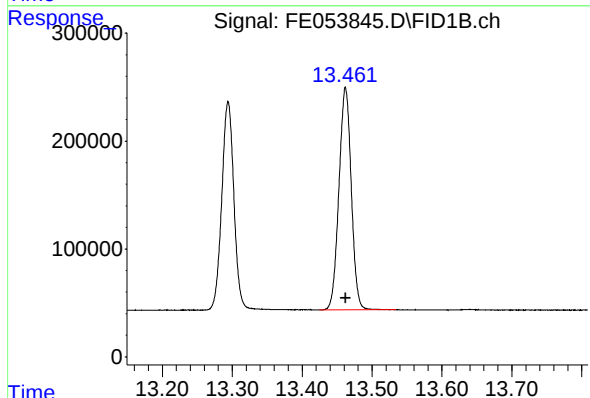
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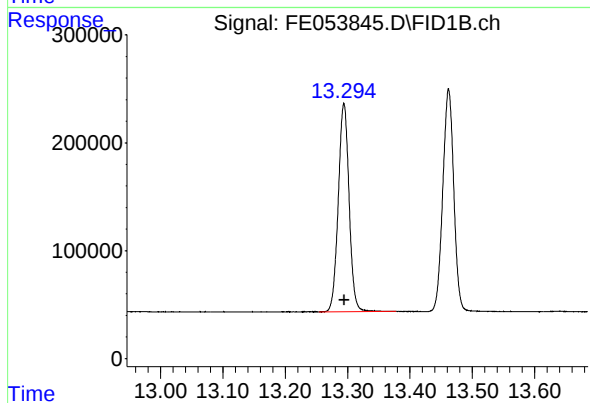
#10 n-Eicosane (C20)

R.T.: 12.848 min
Delta R.T.: 0.000 min
Response: 2556888
Conc: 19.45 ug/ml



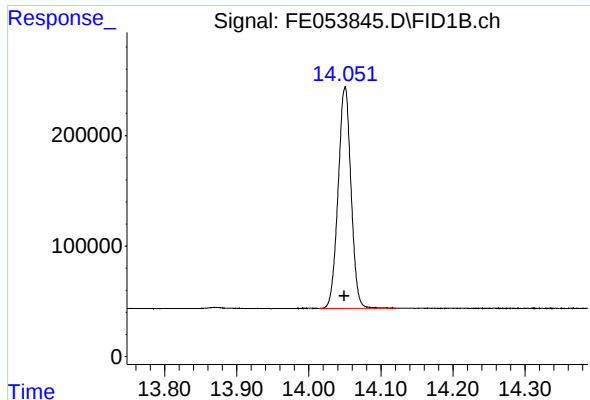
#11 n-Heneicosane (C21)

R.T.: 13.462 min
Delta R.T.: 0.000 min
Response: 2524887
Conc: 19.48 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.294 min
Delta R.T.: 0.000 min
Response: 2331561
Conc: 19.67 ug/ml



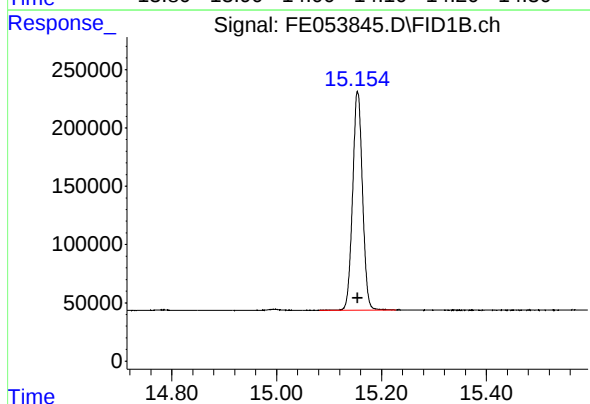
#13 n-Docosane (C22)

R.T.: 14.050 min
Delta R.T.: 0.000 min
Response: 2492079
Conc: 19.53 ug/ml

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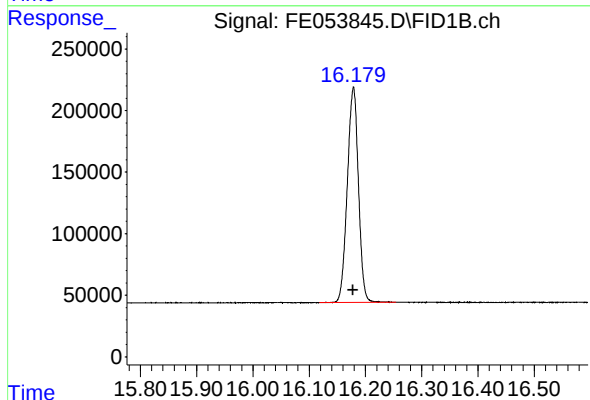
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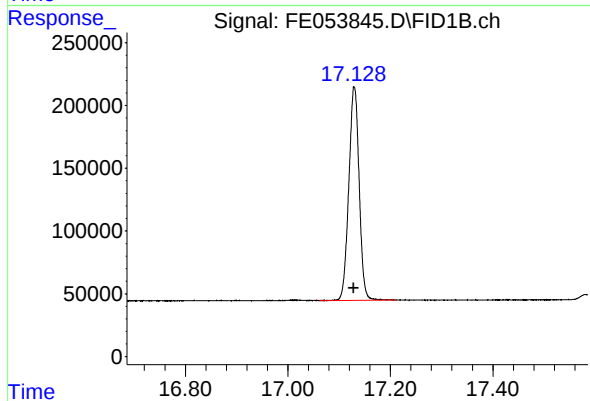
#14 n-Tetracosane (C24)

R.T.: 15.155 min
Delta R.T.: 0.000 min
Response: 2446372
Conc: 19.55 ug/ml



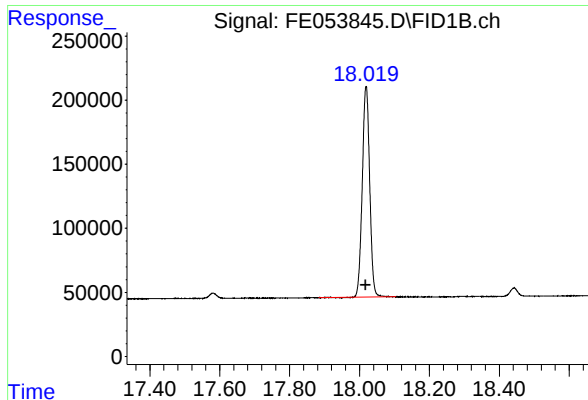
#15 n-Hexacosane (C26)

R.T.: 16.178 min
Delta R.T.: 0.000 min
Response: 2402030
Conc: 19.62 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.130 min
Delta R.T.: 0.000 min
Response: 2379947
Conc: 19.58 ug/ml



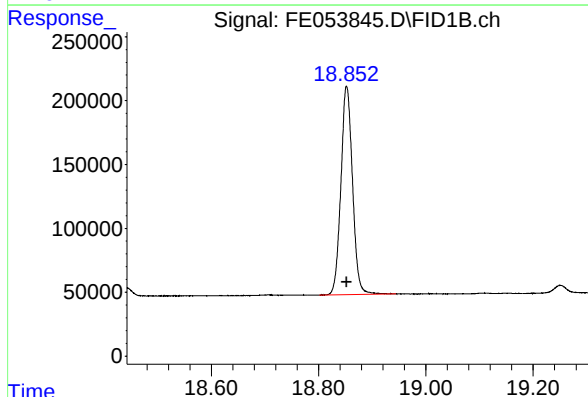
#17 n-Tricontane (C30)

R.T.: 18.019 min
Delta R.T.: 0.000 min
Response: 2427466
Conc: 19.49 ug/ml

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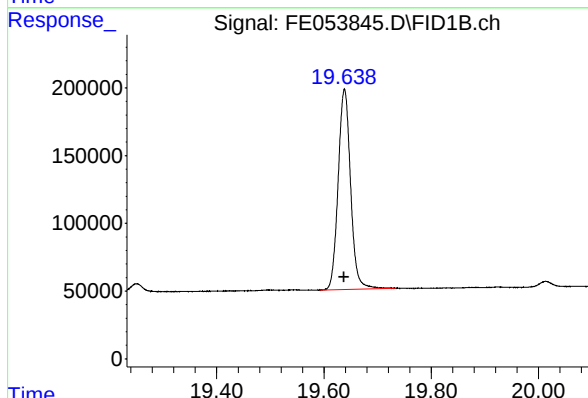
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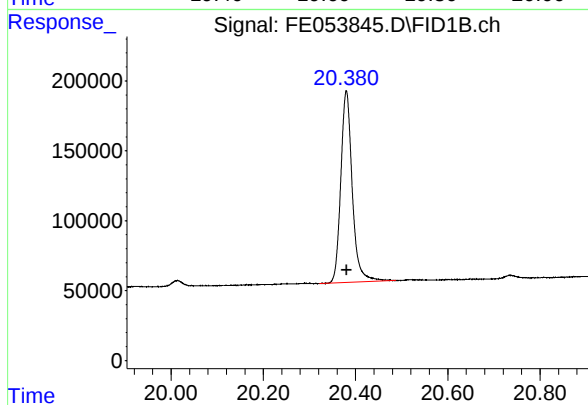
#18 n-Dotriacontane (C32)

R.T.: 18.852 min
Delta R.T.: 0.000 min
Response: 2450894
Conc: 19.60 ug/ml



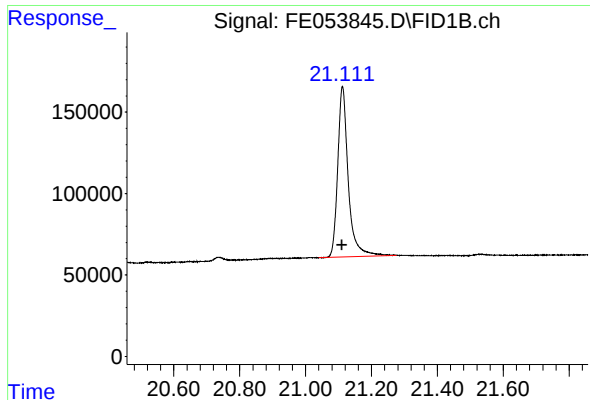
#19 n-Tetratriacontane (C34)

R.T.: 19.638 min
Delta R.T.: 0.000 min
Response: 2377824
Conc: 19.96 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.380 min
Delta R.T.: 0.000 min
Response: 2365180
Conc: 20.43 ug/ml



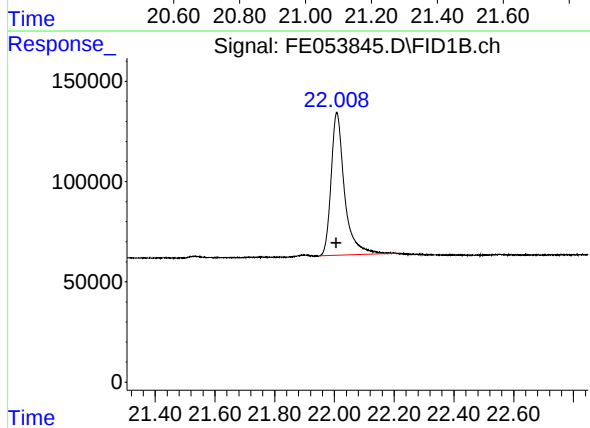
#21 n-Octatriacontane (C38)

R.T.: 21.112 min
Delta R.T.: 0.001 min
Response: 2315697
Conc: 21.28 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.008 min
Delta R.T.: 0.000 min
Response: 2225610
Conc: 22.43 ug/ml m