

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE050525AL\
 Data File : FE053636.D
 Signal(s) : FID1B.ch
 Acq On : 05 May 2025 11:14
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/06/2025
 Supervised By :mohammad ahmed 05/07/2025

Integration File: sample.E
 Quant Time: May 06 04:17:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 29 06:49:03 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)	11.866	3735494	20.711 ug/ml
Spiked Amount 50.000		Recovery =	41.42%
12) S 1-chlorooctadecane (S...	13.311	2680298	19.828 ug/ml
Spiked Amount 50.000		Recovery =	39.66%
Target Compounds			
1) T n-Nonane (C9)	3.212	2977799	21.719 ug/ml
2) T n-Decane (C10)	4.474	3010200	21.760 ug/ml
3) T A~Naphthalene (C11.7)	6.187	3311246	21.937 ug/ml
4) T n-Dodecane (C12)	6.655	3065372	21.857 ug/ml
5) T A~2-methylnaphthalene...	7.289	3287803	22.021 ug/ml
6) T n-Tetradecane (C14)	8.491	3051486	21.751 ug/ml
7) T n-Hexadecane (C16)	10.104	3071785	21.433 ug/ml
8) T n-Octadecane (C18)	11.552	3071947	21.079 ug/ml
10) T n-Eicosane (C20)	12.865	3012774	20.705 ug/ml
11) T n-Heneicosane (C21)	13.479	2975472	20.542 ug/ml
13) T n-Docosane (C22)	14.067	2938893	20.366 ug/ml
14) T n-Tetracosane (C24)	15.173	2867222	19.961 ug/ml
15) T n-Hexacosane (C26)	16.197	2788450	19.688 ug/ml
16) T n-Octacosane (C28)	17.149	2713947	19.507 ug/ml
17) T n-Tricontane (C30)	18.039	2698613	19.387 ug/ml
18) T n-Dotriacontane (C32)	18.874	2611847	19.022 ug/ml
19) T n-Tetratriacontane (C34)	19.660	2364744	18.149 ug/ml
20) T n-Hexatriacontane (C36)	20.402	2177936	17.251 ug/ml
21) T n-Octatriacontane (C38)	21.135	2172084	17.829 ug/mlm
22) T n-Tetracontane (C40)	22.040	2018640	16.904 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 4 Sample Multiplier: 1

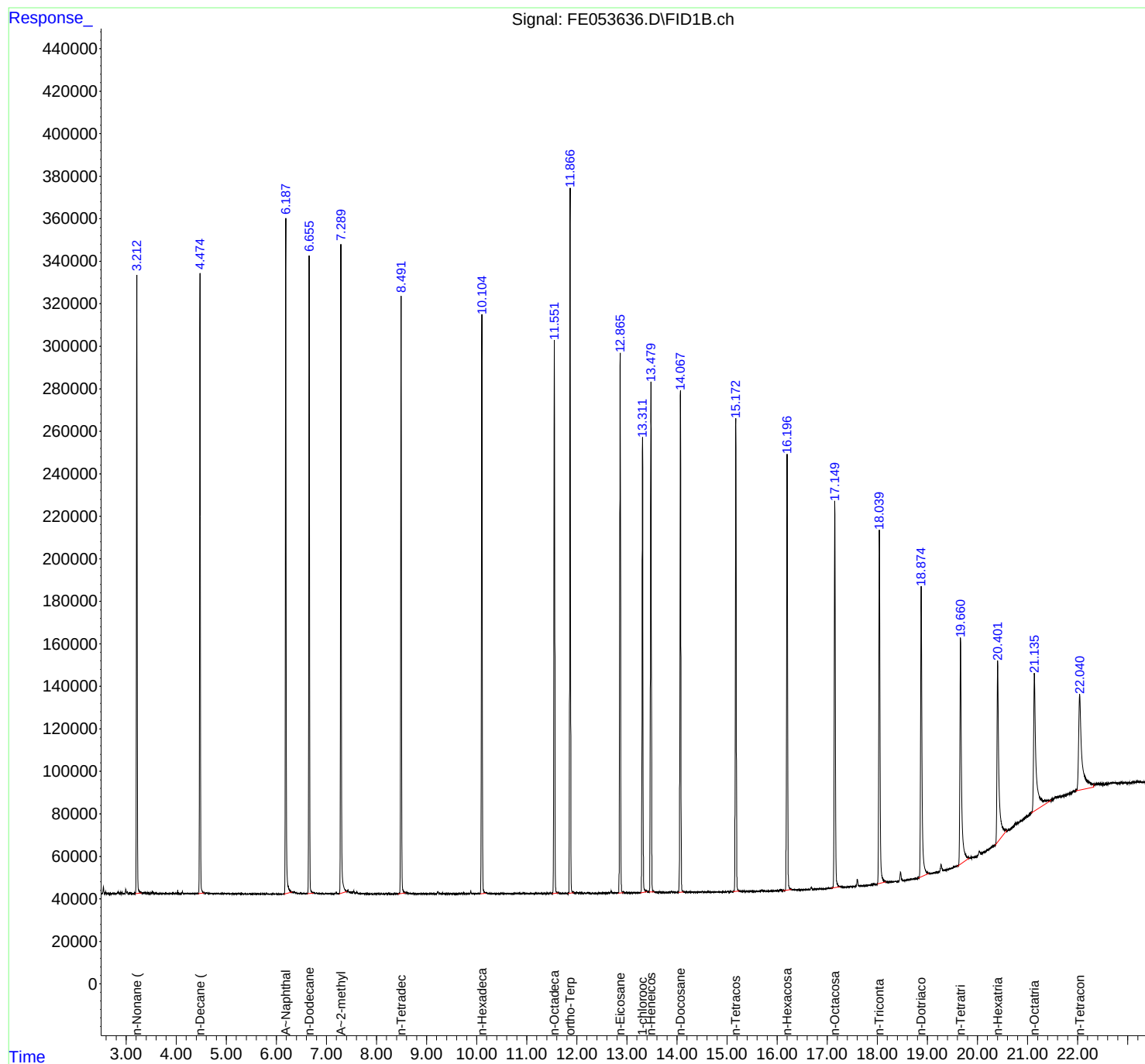
Instrument :
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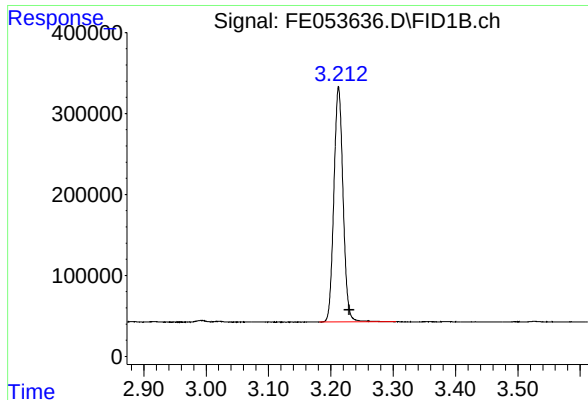
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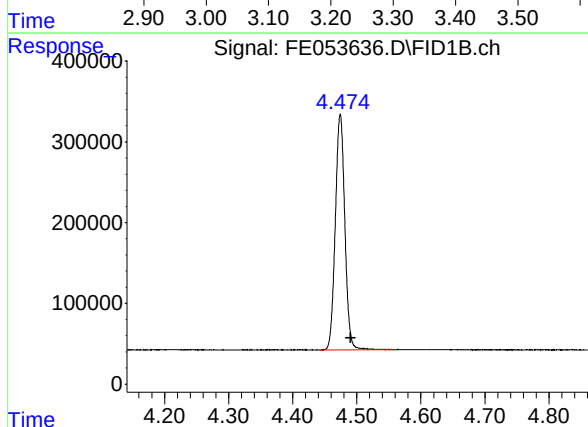
#1 n-Nonane (C9)

R.T.: 3.212 min
Delta R.T.: -0.018 min
Response: 2977799
Conc: 21.72 ug/ml

Instrument : FID_E
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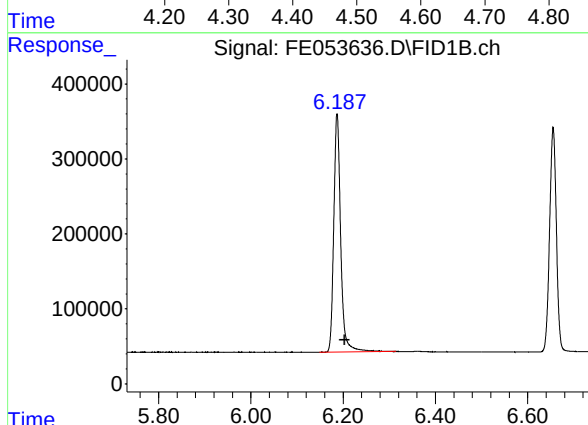
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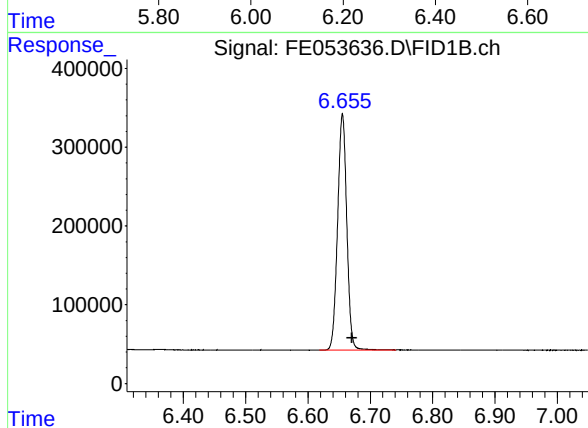
#2 n-Decane (C10)

R.T.: 4.474 min
Delta R.T.: -0.016 min
Response: 3010200
Conc: 21.76 ug/ml



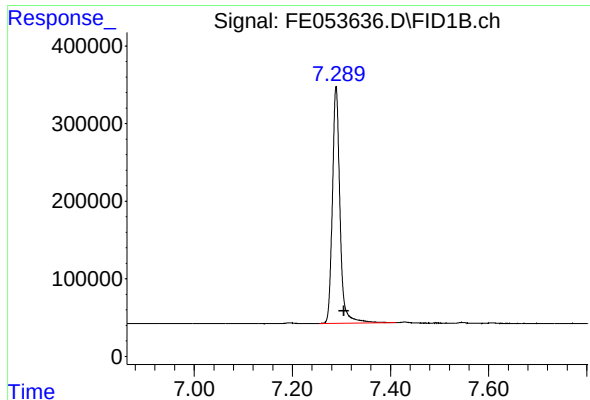
#3 A~Naphthalene (C11.7)

R.T.: 6.187 min
Delta R.T.: -0.016 min
Response: 3311246
Conc: 21.94 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.655 min
Delta R.T.: -0.015 min
Response: 3065372
Conc: 21.86 ug/ml



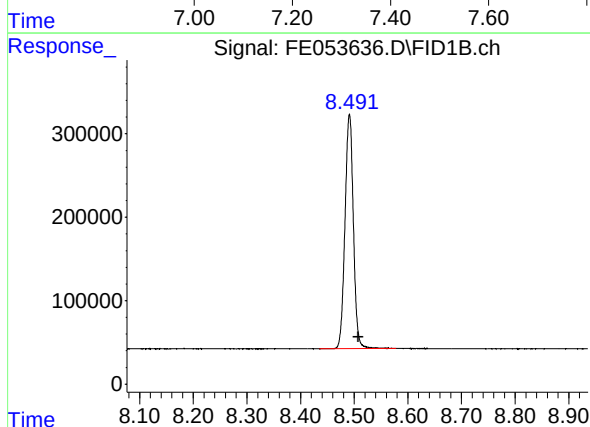
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.289 min
Delta R.T.: -0.016 min
Response: 3287803
Conc: 22.02 ug/ml

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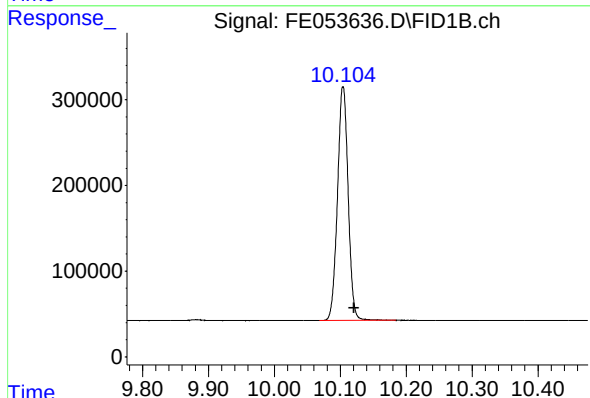
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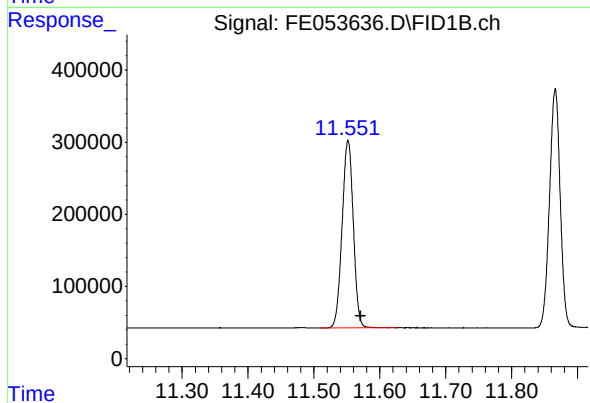
#6 n-Tetradecane (C14)

R.T.: 8.491 min
Delta R.T.: -0.017 min
Response: 3051486
Conc: 21.75 ug/ml



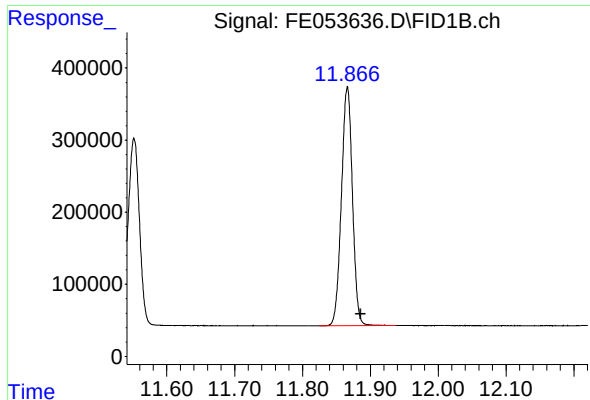
#7 n-Hexadecane (C16)

R.T.: 10.104 min
Delta R.T.: -0.017 min
Response: 3071785
Conc: 21.43 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.552 min
Delta R.T.: -0.019 min
Response: 3071947
Conc: 21.08 ug/ml



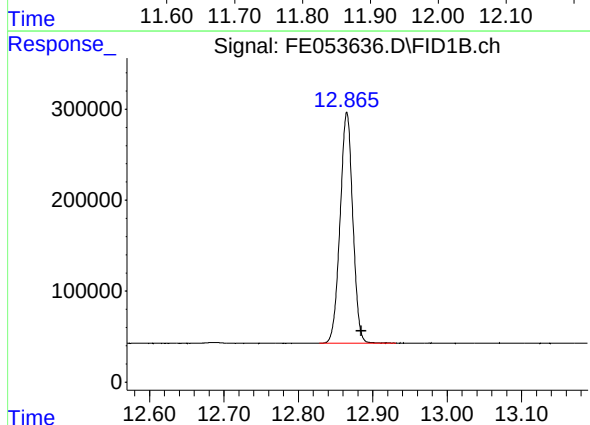
#9 ortho-Terphenyl (SURR)

R.T.: 11.866 min
Delta R.T.: -0.020 min
Response: 3735494
Conc: 20.71 ug/ml

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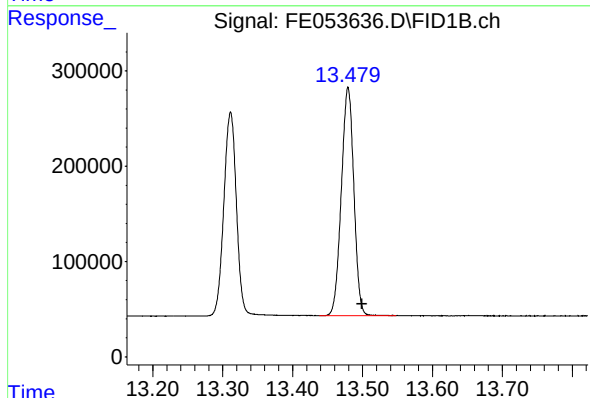
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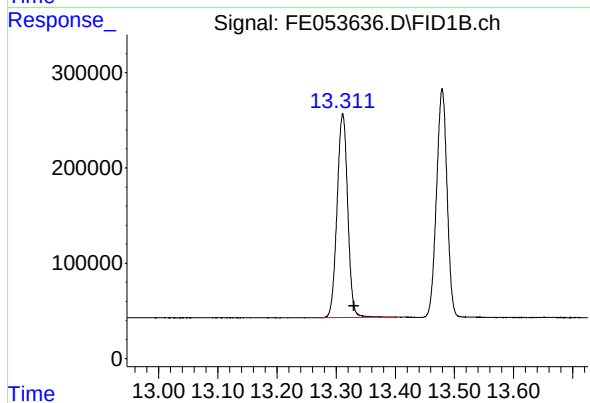
#10 n-Eicosane (C20)

R.T.: 12.865 min
Delta R.T.: -0.020 min
Response: 3012774
Conc: 20.70 ug/ml



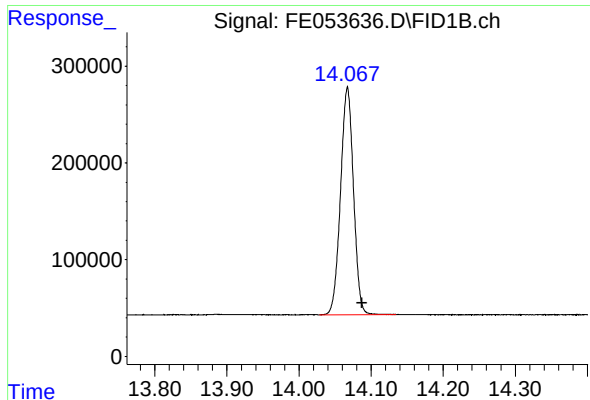
#11 n-Heneicosane (C21)

R.T.: 13.479 min
Delta R.T.: -0.020 min
Response: 2975472
Conc: 20.54 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.311 min
Delta R.T.: -0.019 min
Response: 2680298
Conc: 19.83 ug/ml



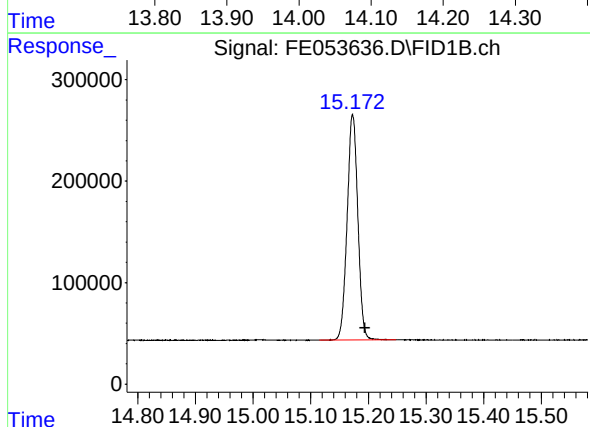
#13 n-Docosane (C22)

R.T.: 14.067 min
Delta R.T.: -0.020 min
Response: 2938893
Conc: 20.37 ug/ml

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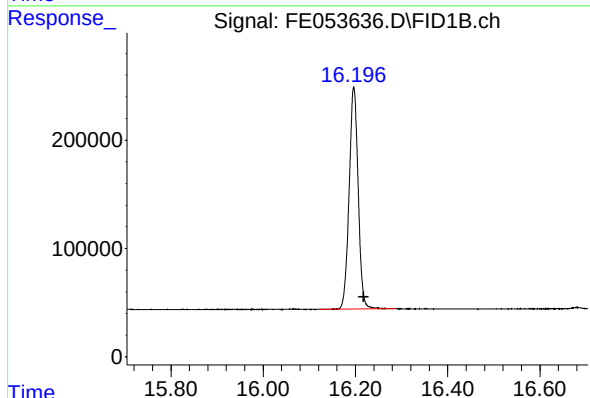
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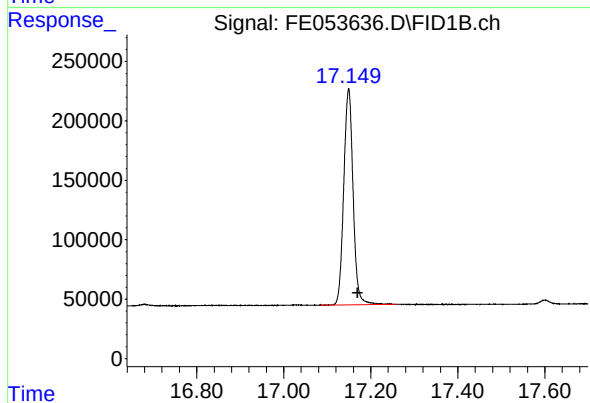
#14 n-Tetracosane (C24)

R.T.: 15.173 min
Delta R.T.: -0.021 min
Response: 2867222
Conc: 19.96 ug/ml



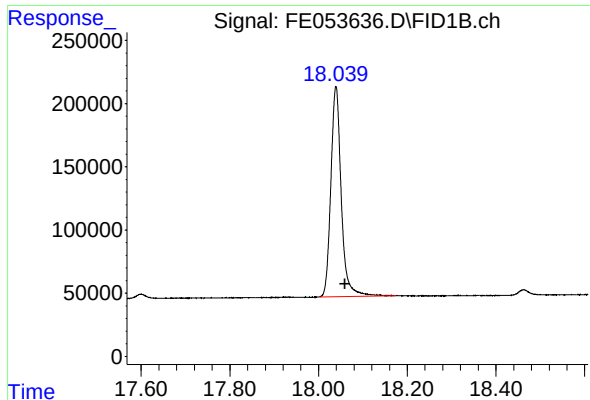
#15 n-Hexacosane (C26)

R.T.: 16.197 min
Delta R.T.: -0.021 min
Response: 2788450
Conc: 19.69 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.149 min
Delta R.T.: -0.021 min
Response: 2713947
Conc: 19.51 ug/ml



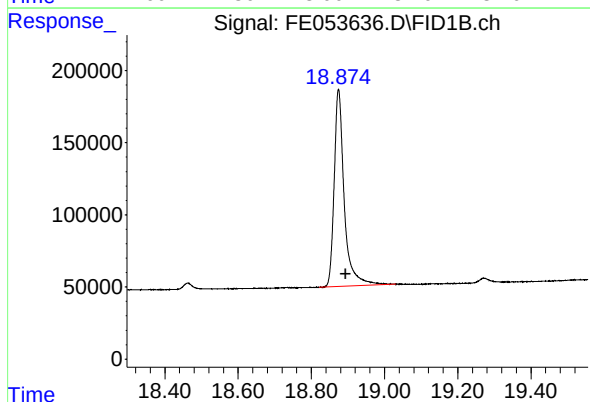
#17 n-Tricontane (C30)

R.T.: 18.039 min
Delta R.T.: -0.021 min
Response: 2698613
Conc: 19.39 ug/ml

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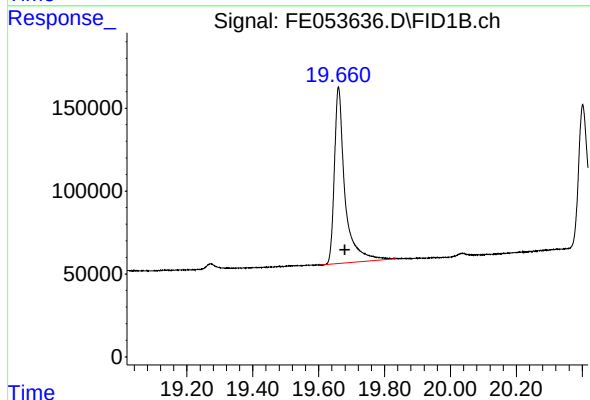
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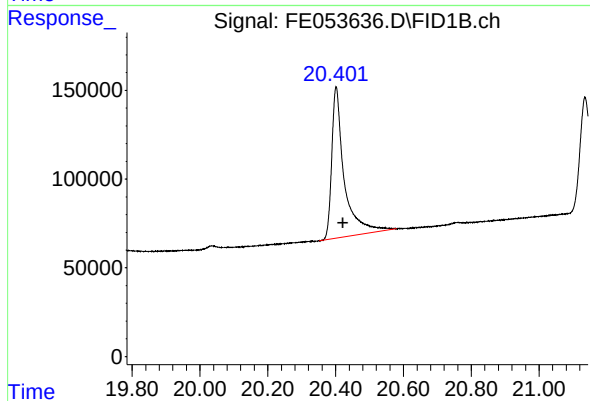
#18 n-Dotriacontane (C32)

R.T.: 18.874 min
Delta R.T.: -0.019 min
Response: 2611847
Conc: 19.02 ug/ml



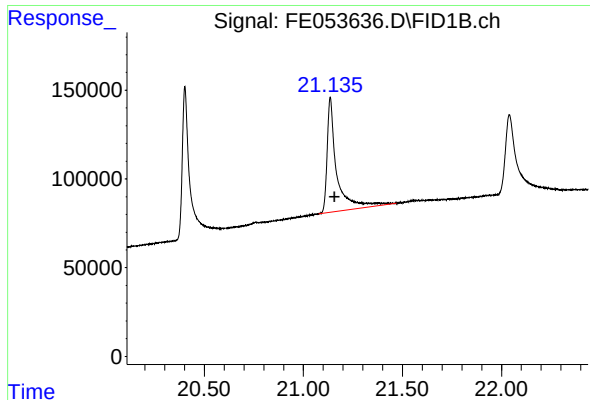
#19 n-Tetratriacontane (C34)

R.T.: 19.660 min
Delta R.T.: -0.019 min
Response: 2364744
Conc: 18.15 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.402 min
Delta R.T.: -0.020 min
Response: 2177936
Conc: 17.25 ug/ml



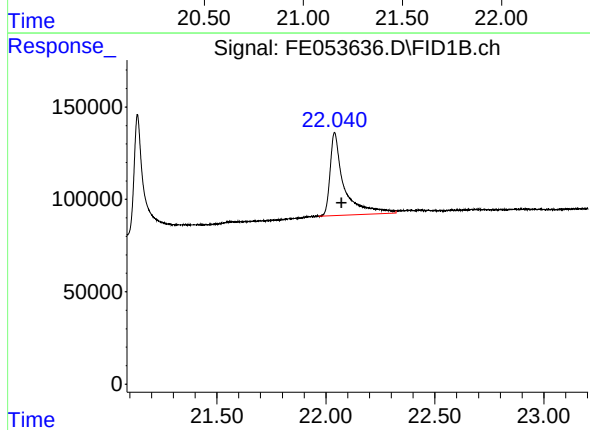
#21 n-Octatriacontane (C38)

R.T.: 21.135 min
Delta R.T.: -0.023 min
Response: 2172084
Conc: 17.83 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.040 min
Delta R.T.: -0.034 min
Response: 2018640
Conc: 16.90 ug/ml m