

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE042925AL\
 Data File : FE053580.D
 Signal(s) : FID1B.ch
 Acq On : 29 Apr 2025 21:14
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/30/2025
 Supervised By :mohammad ahmed 05/02/2025

Integration File: autoint1.e
 Quant Time: Apr 30 02:43:52 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)	11.867	3246131	17.998 ug/ml
Spiked Amount 50.000		Recovery =	36.00%
12) S 1-chlorooctadecane (S...	13.312	2403132	17.778 ug/ml
Spiked Amount 50.000		Recovery =	35.56%
Target Compounds			
1) T n-Nonane (C9)	3.214	2508181	18.294 ug/ml
2) T n-Decane (C10)	4.475	2601383	18.805 ug/ml
3) T A~Naphthalene (C11.7)	6.187	2854579	18.911 ug/ml
4) T n-Dodecane (C12)	6.656	2647124	18.874 ug/ml
5) T A~2-methylnaphthalene...	7.289	2829548	18.952 ug/ml
6) T n-Tetradecane (C14)	8.491	2636070	18.790 ug/ml
7) T n-Hexadecane (C16)	10.105	2665954	18.601 ug/ml
8) T n-Octadecane (C18)	11.552	2674176	18.350 ug/mlm
10) T n-Eicosane (C20)	12.866	2621276	18.014 ug/ml
11) T n-Heneicosane (C21)	13.481	2593230	17.904 ug/ml
13) T n-Docosane (C22)	14.067	2576416	17.854 ug/ml
14) T n-Tetracosane (C24)	15.173	2545713	17.723 ug/ml
15) T n-Hexacosane (C26)	16.196	2501623	17.663 ug/ml
16) T n-Octacosane (C28)	17.148	2515341	18.080 ug/ml
17) T n-Tricontane (C30)	18.037	2642820	18.986 ug/ml
18) T n-Dotriacontane (C32)	18.872	2691045	19.599 ug/ml
19) T n-Tetratriacontane (C34)	19.657	2551363	19.582 ug/ml
20) T n-Hexatriacontane (C36)	20.399	2524215	19.994 ug/ml
21) T n-Octatriacontane (C38)	21.134	2438894	20.019 ug/ml
22) T n-Tetracontane (C40)	22.037	2373844	19.878 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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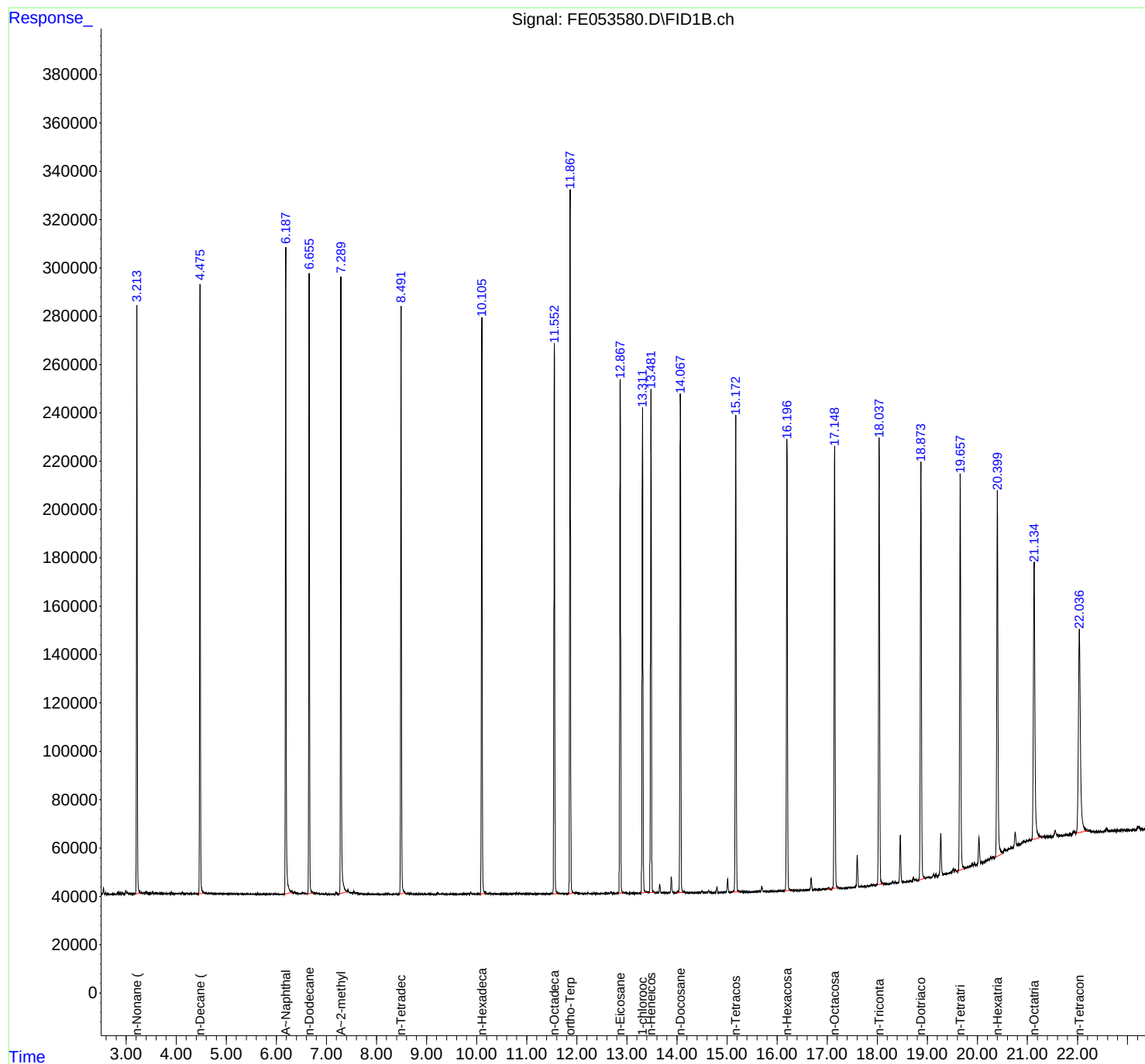
Instrument :
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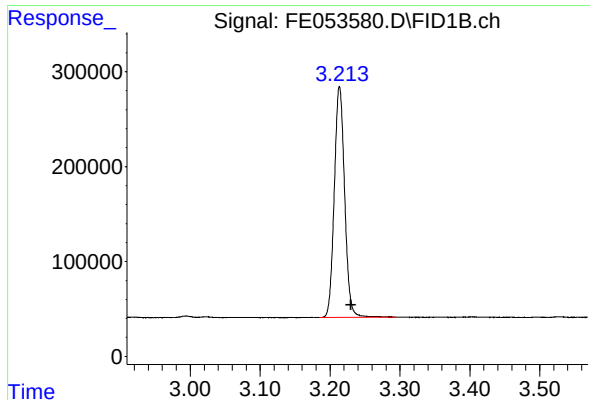
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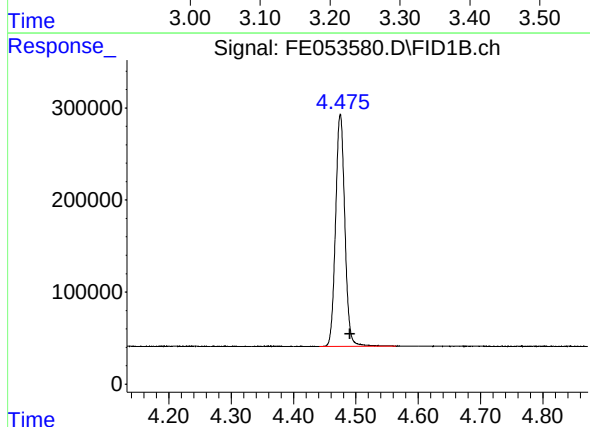
#1 n-Nonane (C9)

R.T.: 3.214 min
Delta R.T.: -0.016 min
Response: 2508181
Conc: 18.29 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

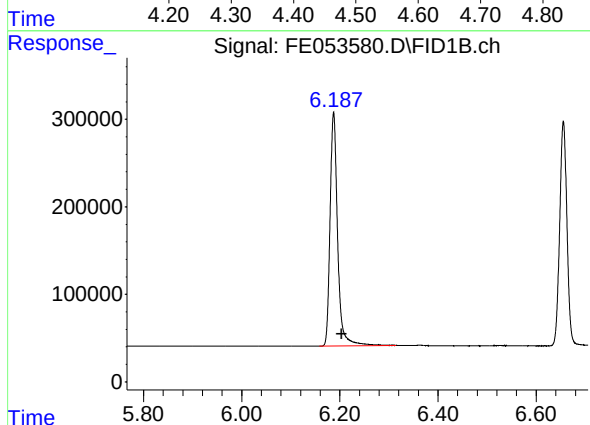
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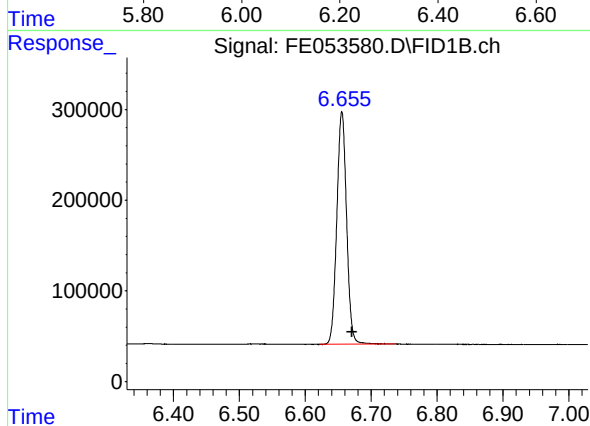
#2 n-Decane (C10)

R.T.: 4.475 min
Delta R.T.: -0.016 min
Response: 2601383
Conc: 18.80 ug/ml



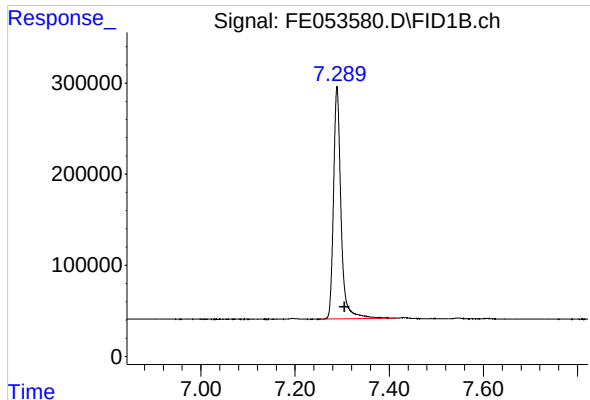
#3 A~Naphthalene (C11.7)

R.T.: 6.187 min
Delta R.T.: -0.016 min
Response: 2854579
Conc: 18.91 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.656 min
Delta R.T.: -0.015 min
Response: 2647124
Conc: 18.87 ug/ml



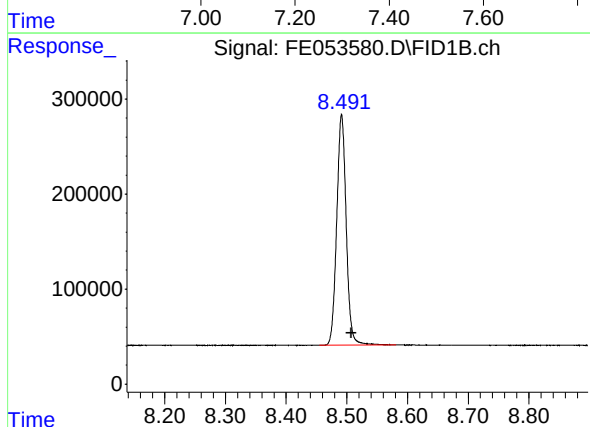
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.289 min
Delta R.T.: -0.016 min
Response: 2829548
Conc: 18.95 ug/ml

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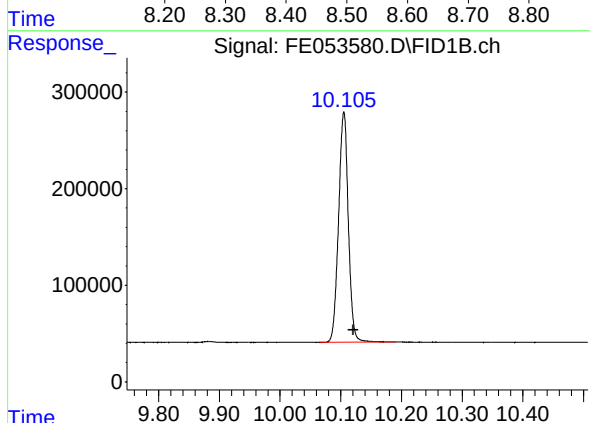
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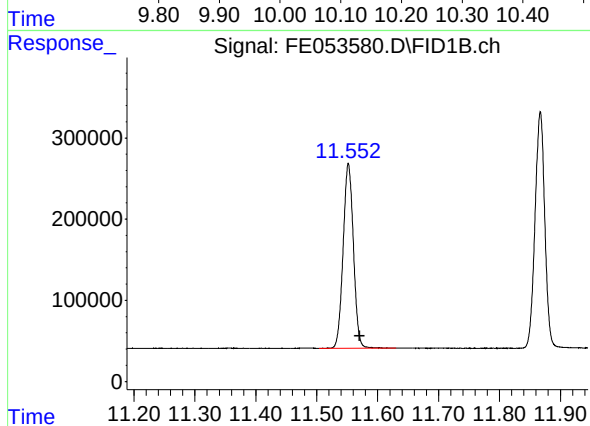
#6 n-Tetradecane (C14)

R.T.: 8.491 min
Delta R.T.: -0.016 min
Response: 2636070
Conc: 18.79 ug/ml



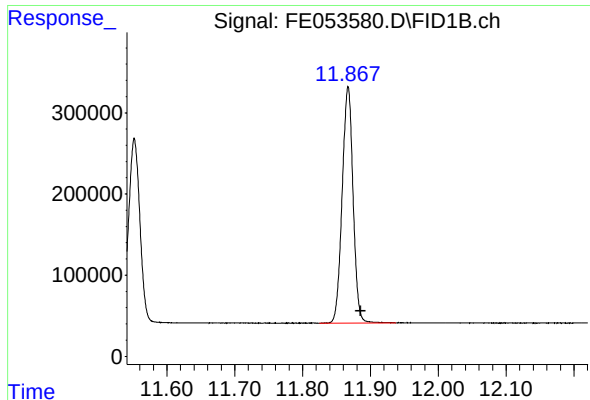
#7 n-Hexadecane (C16)

R.T.: 10.105 min
Delta R.T.: -0.016 min
Response: 2665954
Conc: 18.60 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.552 min
Delta R.T.: -0.019 min
Response: 2674176
Conc: 18.35 ug/ml m



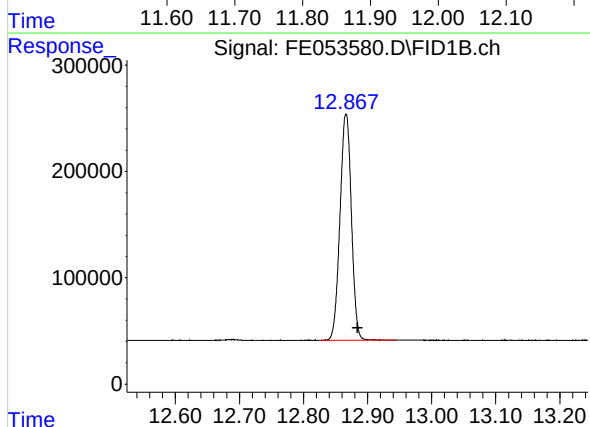
#9 ortho-Terphenyl (SURR)

R.T.: 11.867 min
Delta R.T.: -0.019 min
Response: 3246131
Conc: 18.00 ug/ml

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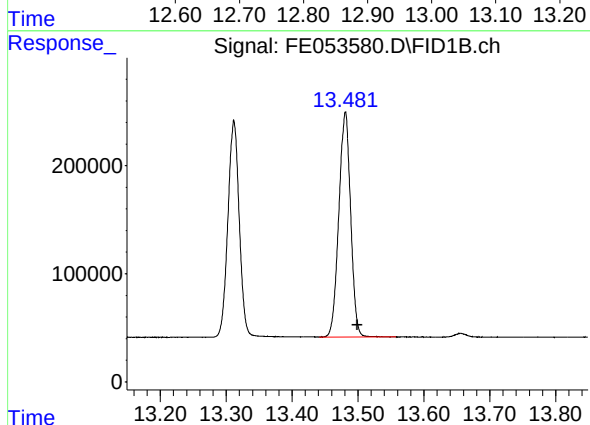
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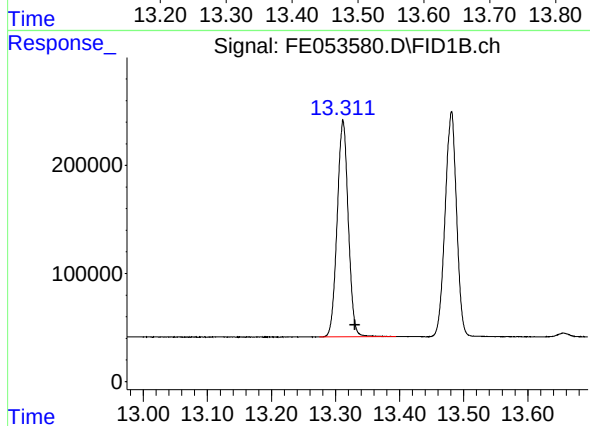
#10 n-Eicosane (C20)

R.T.: 12.866 min
Delta R.T.: -0.018 min
Response: 2621276
Conc: 18.01 ug/ml



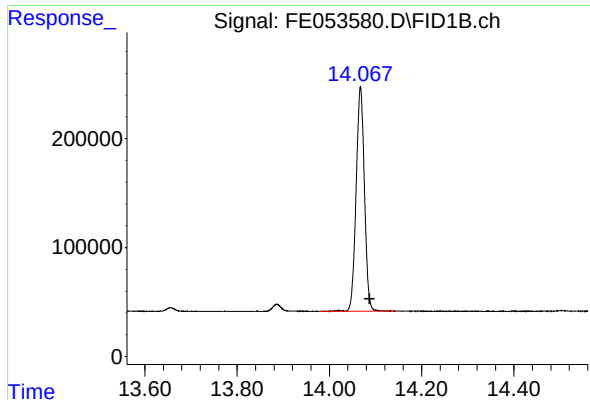
#11 n-Heneicosane (C21)

R.T.: 13.481 min
Delta R.T.: -0.019 min
Response: 2593230
Conc: 17.90 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.312 min
Delta R.T.: -0.019 min
Response: 2403132
Conc: 17.78 ug/ml



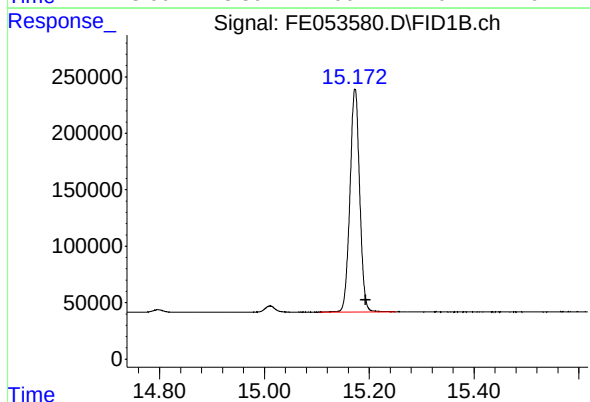
#13 n-Docosane (C22)

R.T.: 14.067 min
Delta R.T.: -0.020 min
Response: 2576416
Conc: 17.85 ug/ml

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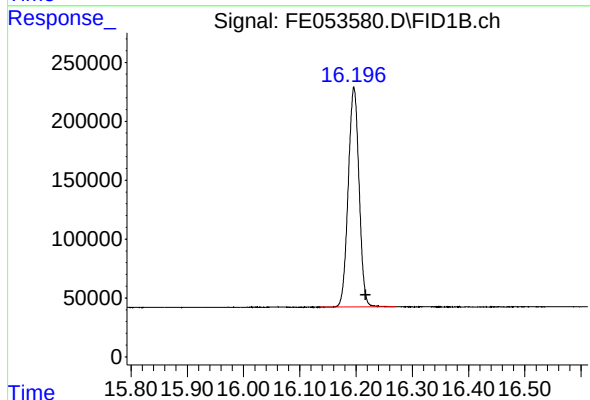
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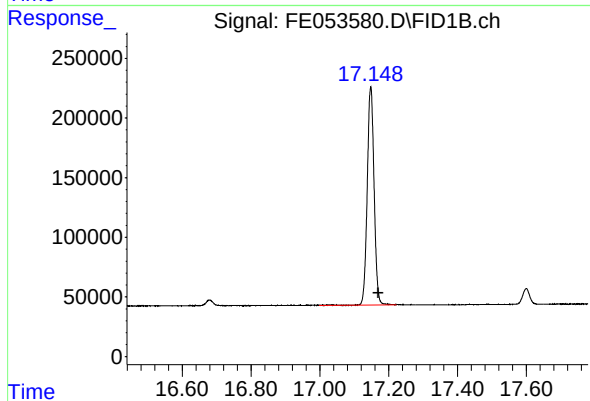
#14 n-Tetracosane (C24)

R.T.: 15.173 min
Delta R.T.: -0.021 min
Response: 2545713
Conc: 17.72 ug/ml



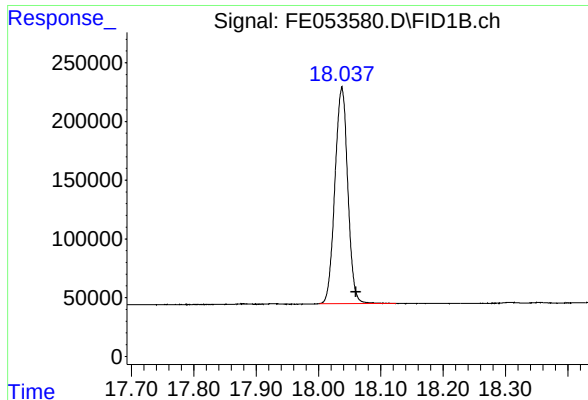
#15 n-Hexacosane (C26)

R.T.: 16.196 min
Delta R.T.: -0.021 min
Response: 2501623
Conc: 17.66 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.148 min
Delta R.T.: -0.022 min
Response: 2515341
Conc: 18.08 ug/ml



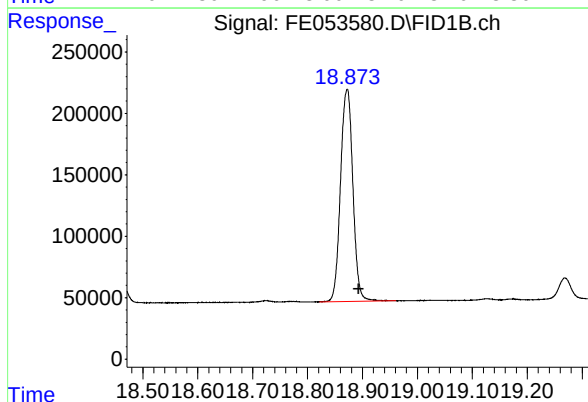
#17 n-Tricontane (C30)

R.T.: 18.037 min
Delta R.T.: -0.022 min
Response: 2642820
Conc: 18.99 ug/ml

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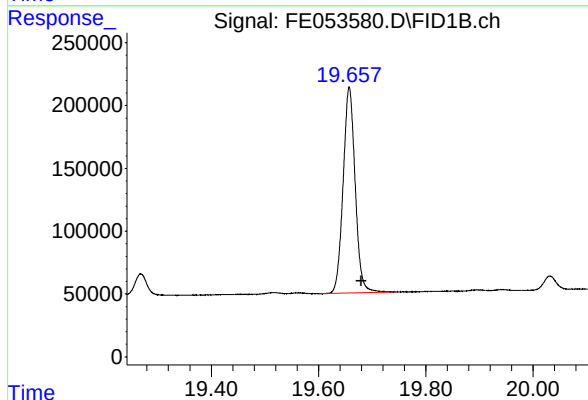
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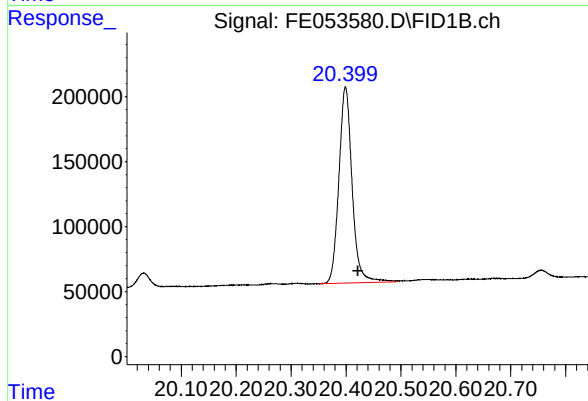
#18 n-Dotriacontane (C32)

R.T.: 18.872 min
Delta R.T.: -0.022 min
Response: 2691045
Conc: 19.60 ug/ml



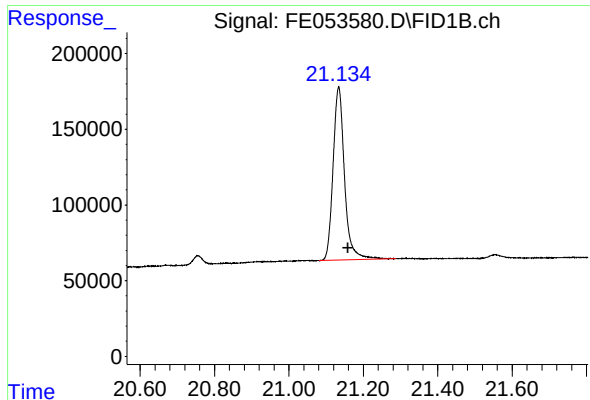
#19 n-Tetratriacontane (C34)

R.T.: 19.657 min
Delta R.T.: -0.022 min
Response: 2551363
Conc: 19.58 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.399 min
Delta R.T.: -0.023 min
Response: 2524215
Conc: 19.99 ug/ml



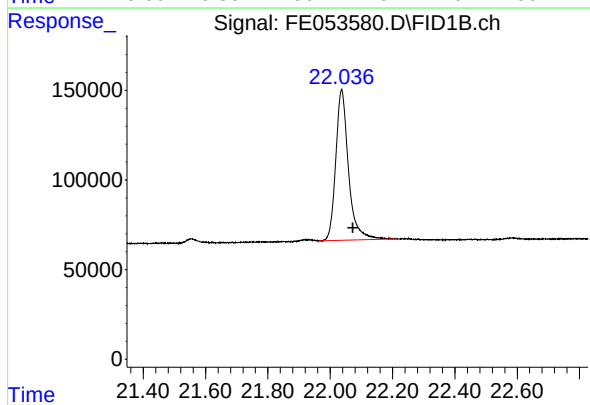
#21 n-Octatriacontane (C38)

R.T.: 21.134 min
Delta R.T.: -0.024 min
Response: 2438894
Conc: 20.02 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.037 min
Delta R.T.: -0.037 min
Response: 2373844
Conc: 19.88 ug/ml