

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE043025AL\
 Data File : FE053583.D
 Signal(s) : FID1B.ch
 Acq On : 30 Apr 2025 10:10
 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 05/01/2025
 Supervised By :mohammad ahmed 05/02/2025

Integration File: autoint1.e
 Quant Time: May 01 01:46:02 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	3359139	18.624 ug/ml
Spiked Amount 50.000		Recovery =	37.25%
12) S 1-chlorooctadecane (S...	13.312	2475697	18.315 ug/ml
Spiked Amount 50.000		Recovery =	36.63%
Target Compounds			
1) T n-Nonane (C9)	3.214	2587336	18.871 ug/ml
2) T n-Decane (C10)	4.475	2683661	19.400 ug/ml
3) T A~Naphthalene (C11.7)	6.188	2936163	19.452 ug/ml
4) T n-Dodecane (C12)	6.656	2727279	19.446 ug/ml
5) T A~2-methylnaphthalene...	7.290	2909463	19.487 ug/ml
6) T n-Tetradecane (C14)	8.492	2725132	19.425 ug/ml
7) T n-Hexadecane (C16)	10.105	2752073	19.202 ug/ml
8) T n-Octadecane (C18)	11.552	2760564	18.942 ug/mlm
10) T n-Eicosane (C20)	12.866	2715886	18.664 ug/ml
11) T n-Heneicosane (C21)	13.480	2686548	18.548 ug/ml
13) T n-Docosane (C22)	14.067	2661796	18.446 ug/ml
14) T n-Tetracosane (C24)	15.174	2632128	18.324 ug/ml
15) T n-Hexacosane (C26)	16.197	2598784	18.349 ug/ml
16) T n-Octacosane (C28)	17.148	2637770	18.960 ug/mlm
17) T n-Tricontane (C30)	18.038	2757521	19.810 ug/ml
18) T n-Dotriacontane (C32)	18.872	2802908	20.413 ug/ml
19) T n-Tetratriacontane (C34)	19.658	2645671	20.305 ug/ml
20) T n-Hexatriacontane (C36)	20.400	2583736	20.466 ug/ml
21) T n-Octatriacontane (C38)	21.134	2439703	20.025 ug/ml
22) T n-Tetracontane (C40)	22.037	2421401	20.276 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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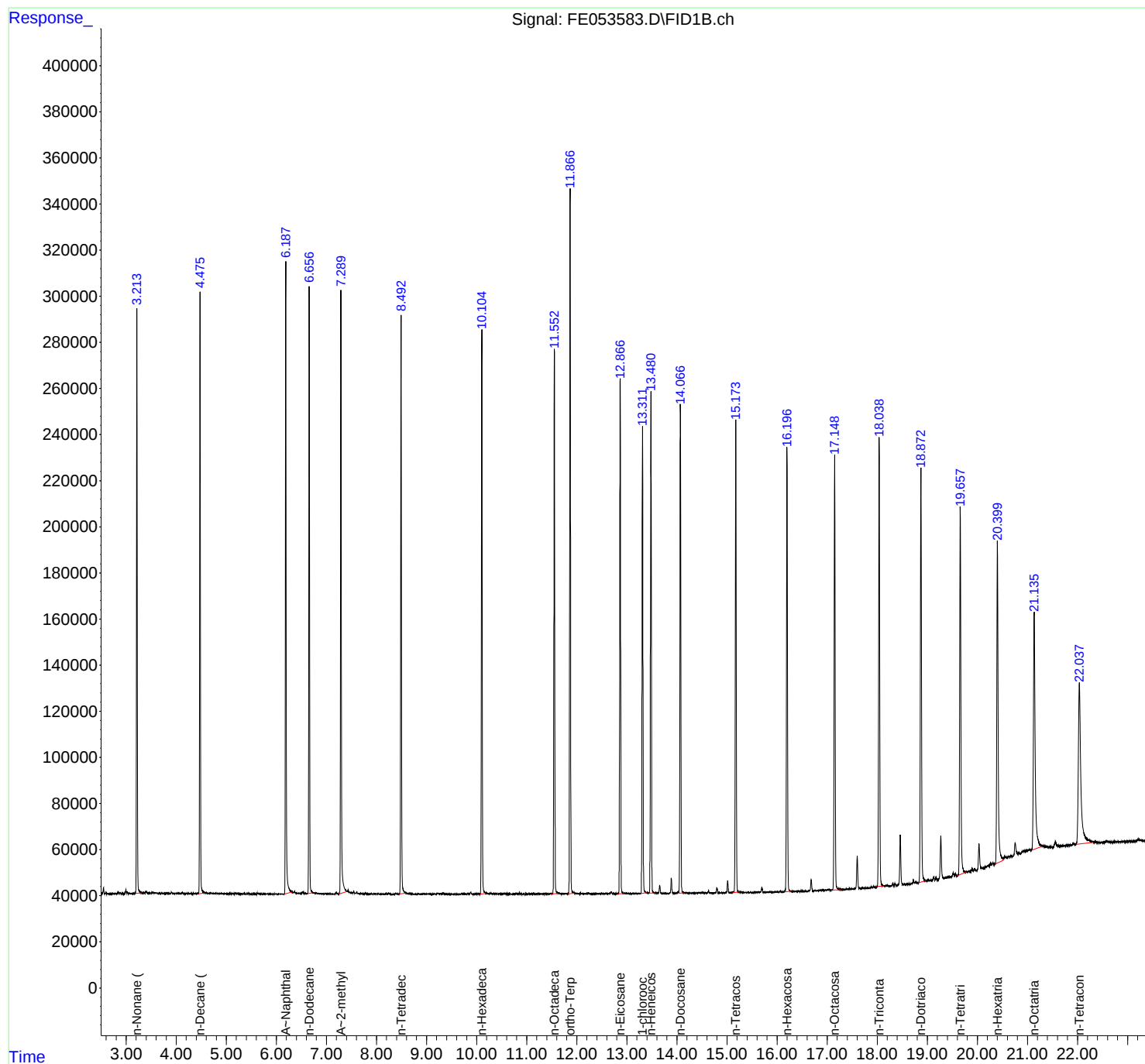
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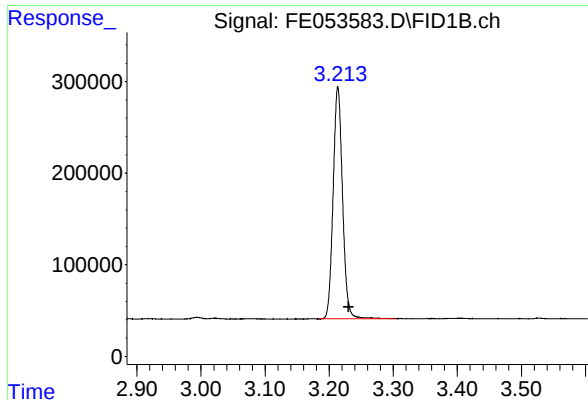
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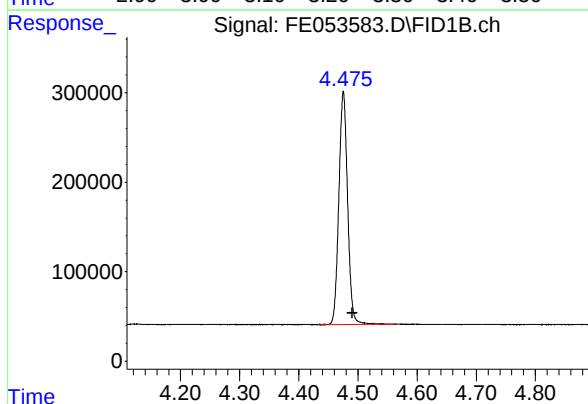
#1 n-Nonane (C9)

R.T.: 3.214 min
Delta R.T.: -0.016 min
Response: 2587336
Conc: 18.87 ug/ml

Instrument : FID_E
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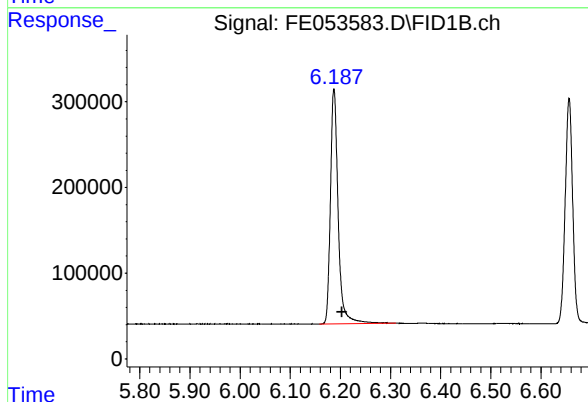
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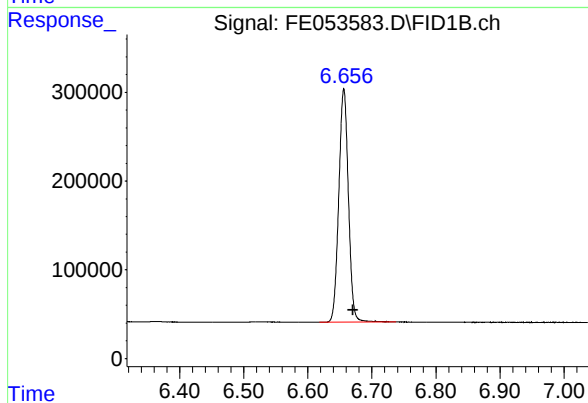
#2 n-Decane (C10)

R.T.: 4.475 min
Delta R.T.: -0.015 min
Response: 2683661
Conc: 19.40 ug/ml



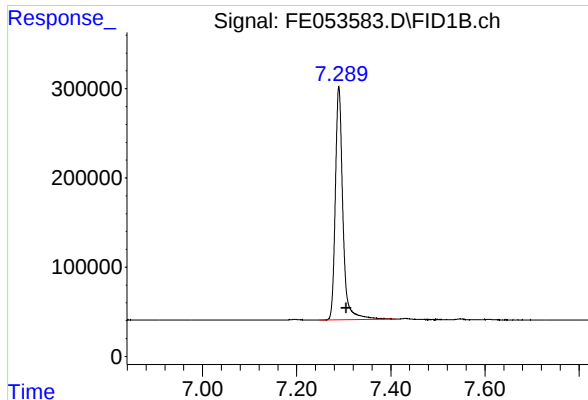
#3 A~Naphthalene (C11.7)

R.T.: 6.188 min
Delta R.T.: -0.016 min
Response: 2936163
Conc: 19.45 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.656 min
Delta R.T.: -0.014 min
Response: 2727279
Conc: 19.45 ug/ml



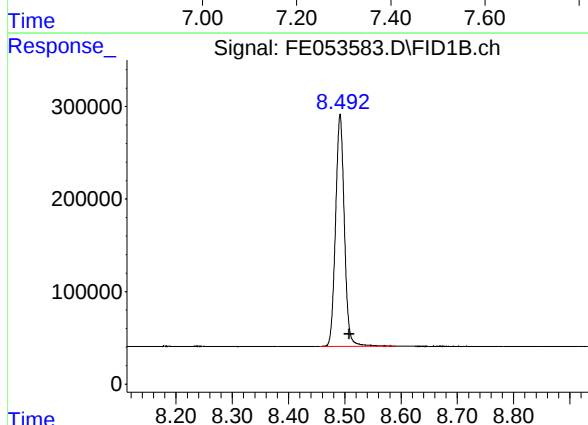
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.290 min
Delta R.T.: -0.016 min
Response: 2909463
Conc: 19.49 ug/ml

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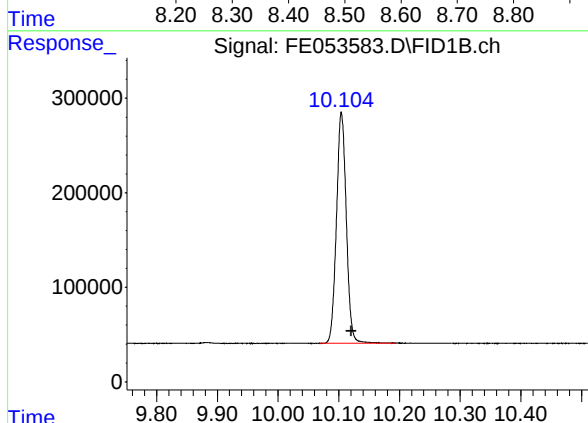
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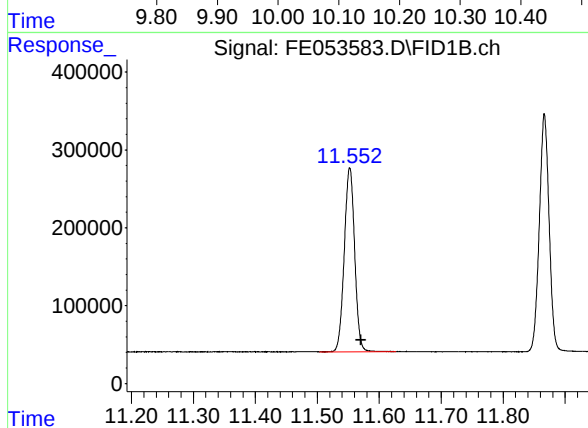
#6 n-Tetradecane (C14)

R.T.: 8.492 min
Delta R.T.: -0.016 min
Response: 2725132
Conc: 19.43 ug/ml



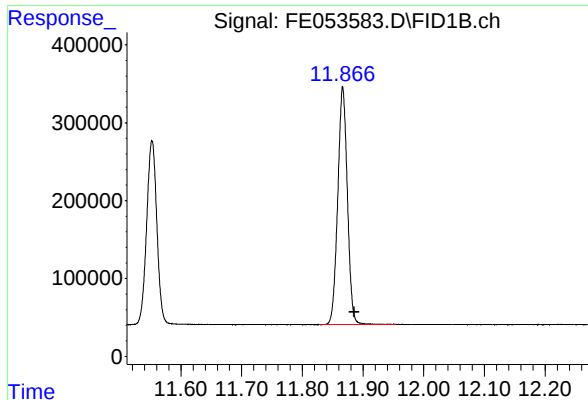
#7 n-Hexadecane (C16)

R.T.: 10.105 min
Delta R.T.: -0.016 min
Response: 2752073
Conc: 19.20 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.552 min
Delta R.T.: -0.019 min
Response: 2760564
Conc: 18.94 ug/ml m



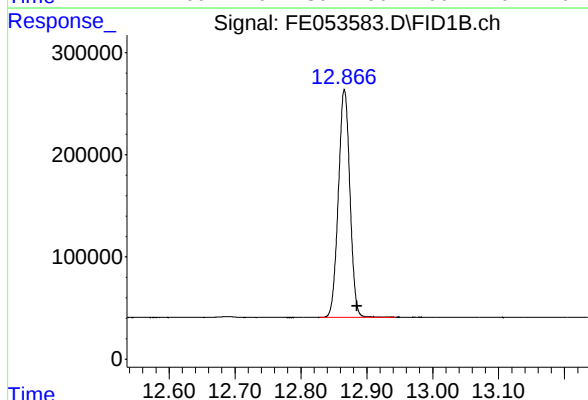
#9 ortho-Terphenyl (SURR)

R.T.: 11.867 min
Delta R.T.: -0.019 min
Response: 3359139
Conc: 18.62 ug/ml

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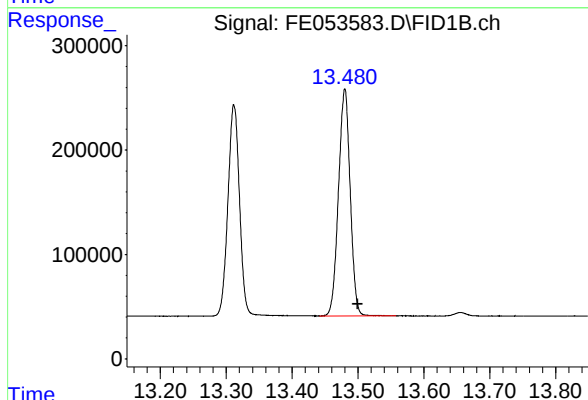
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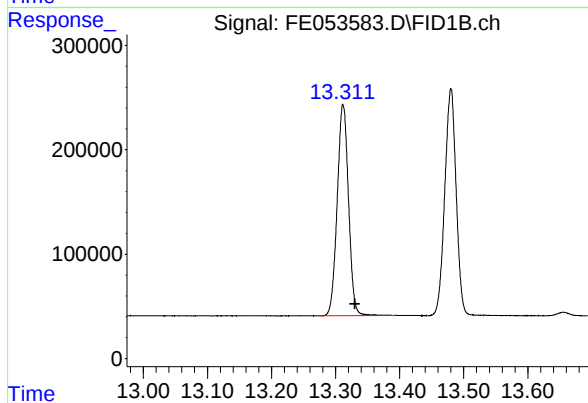
#10 n-Eicosane (C20)

R.T.: 12.866 min
Delta R.T.: -0.019 min
Response: 2715886
Conc: 18.66 ug/ml



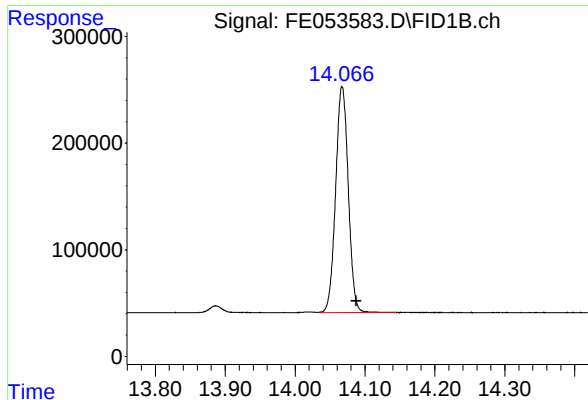
#11 n-Heneicosane (C21)

R.T.: 13.480 min
Delta R.T.: -0.019 min
Response: 2686548
Conc: 18.55 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.312 min
Delta R.T.: -0.018 min
Response: 2475697
Conc: 18.31 ug/ml



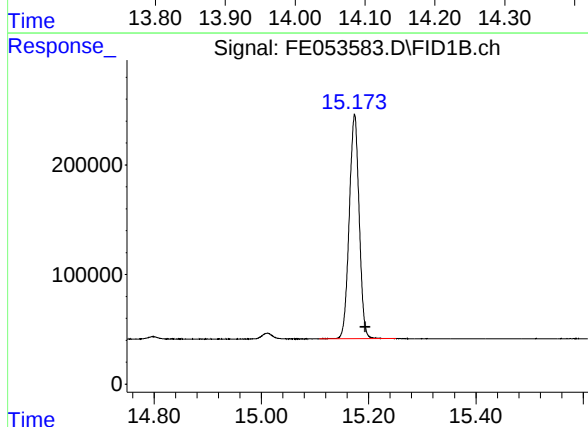
#13 n-Docosane (C22)

R.T.: 14.067 min
Delta R.T.: -0.020 min
Response: 2661796
Conc: 18.45 ug/ml

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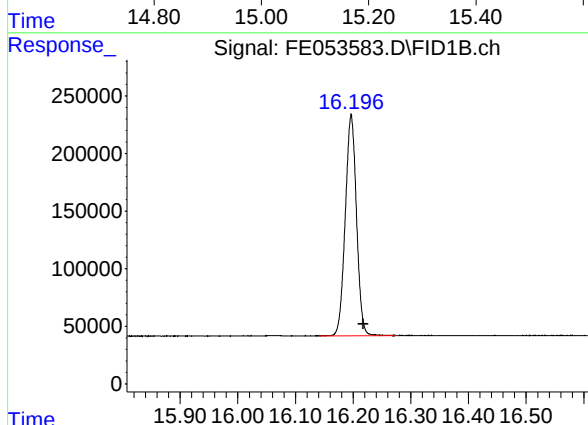
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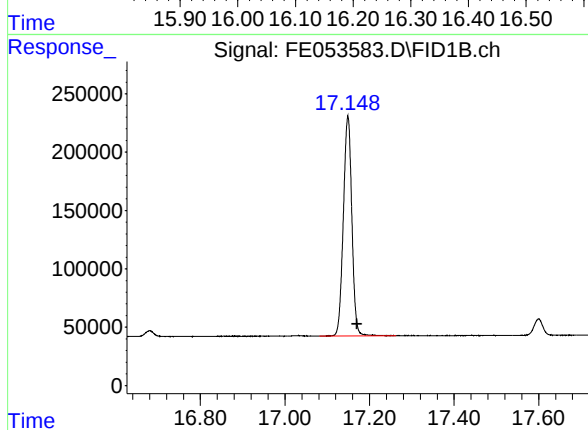
#14 n-Tetracosane (C24)

R.T.: 15.174 min
Delta R.T.: -0.020 min
Response: 2632128
Conc: 18.32 ug/ml



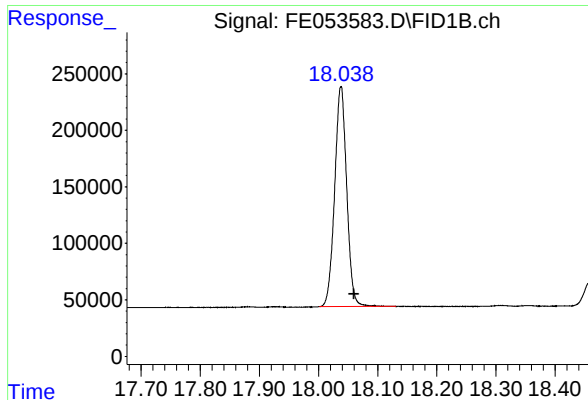
#15 n-Hexacosane (C26)

R.T.: 16.197 min
Delta R.T.: -0.021 min
Response: 2598784
Conc: 18.35 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.148 min
Delta R.T.: -0.022 min
Response: 2637770
Conc: 18.96 ug/ml m



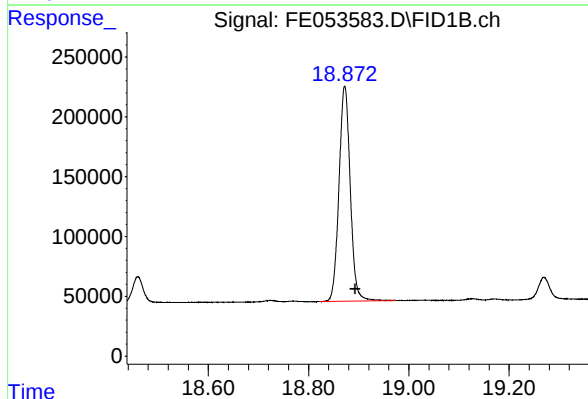
#17 n-Tricontane (C30)

R.T.: 18.038 min
Delta R.T.: -0.022 min
Response: 2757521
Conc: 19.81 ug/ml

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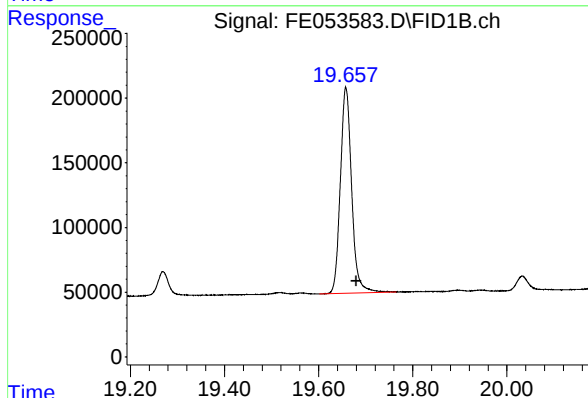
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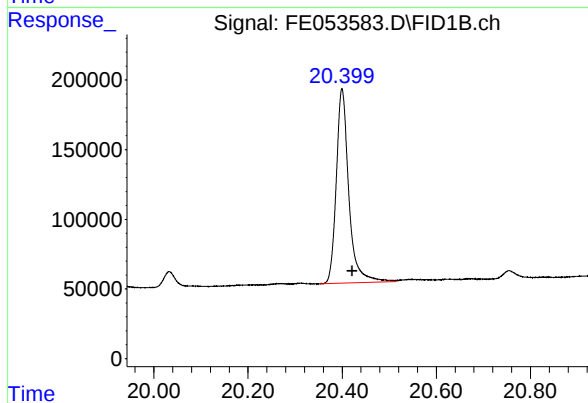
#18 n-Dotriacontane (C32)

R.T.: 18.872 min
Delta R.T.: -0.021 min
Response: 2802908
Conc: 20.41 ug/ml



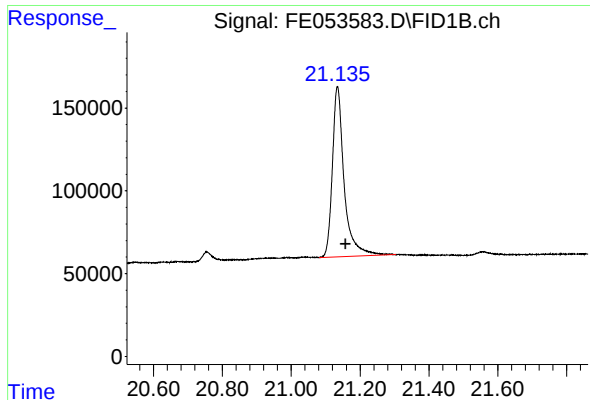
#19 n-Tetratriacontane (C34)

R.T.: 19.658 min
Delta R.T.: -0.022 min
Response: 2645671
Conc: 20.31 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.400 min
Delta R.T.: -0.022 min
Response: 2583736
Conc: 20.47 ug/ml



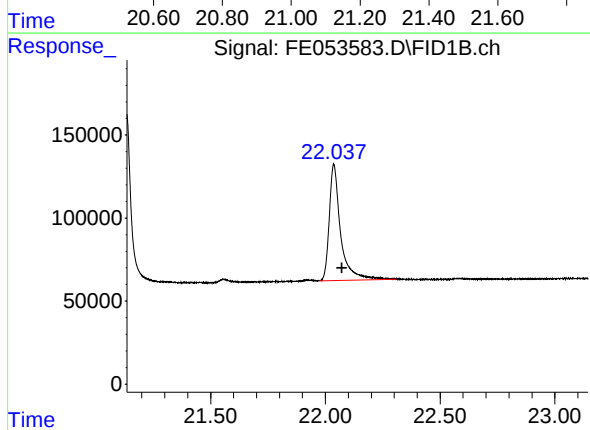
#21 n-Octatriacontane (C38)

R.T.: 21.134 min
Delta R.T.: -0.024 min
Response: 2439703
Conc: 20.03 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.037 min
Delta R.T.: -0.037 min
Response: 2421401
Conc: 20.28 ug/ml m