

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032825AL\
 Data File : FE053054.D
 Signal(s) : FID1B.ch
 Acq On : 28 Mar 2025 20:38
 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 03/31/2025
 Supervised By :mohammad ahmed 04/01/2025

Integration File: autoint1.e
 Quant Time: Mar 28 22:57:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 030325.M
 Quant Title : GC Extractables
 QLast Update : Mon Mar 03 13:39:39 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)	11.895	2872812	17.041 ug/ml
Spiked Amount 50.000		Recovery =	34.08%
12) S 1-chlorooctadecane (S...	13.340	2146784	17.680 ug/ml
Spiked Amount 50.000		Recovery =	35.36%
Target Compounds			
1) T n-Nonane (C9)	3.240	2576515	16.617 ug/ml
2) T n-Decane (C10)	4.502	2749805	17.504 ug/ml
3) T A~Naphthalene (C11.7)	6.214	2947154	17.378 ug/ml
4) T n-Dodecane (C12)	6.682	2753416	17.684 ug/ml
5) T A~2-methylnaphthalene...	7.316	2827158	17.445 ug/ml
6) T n-Tetradecane (C14)	8.518	2704488	17.874 ug/ml
7) T n-Hexadecane (C16)	10.132	2762985	18.072 ug/ml
8) T n-Octadecane (C18)	11.580	2728875	17.936 ug/ml
10) T n-Eicosane (C20)	12.894	2573878	17.730 ug/ml
11) T n-Heneicosane (C21)	13.508	2499700	17.563 ug/ml
13) T n-Docosane (C22)	14.096	2491438	17.507 ug/ml
14) T n-Tetracosane (C24)	15.203	2525805	17.650 ug/ml
15) T n-Hexacosane (C26)	16.226	2520111	17.723 ug/ml
16) T n-Octacosane (C28)	17.177	2640691	18.571 ug/ml
17) T n-Tricontane (C30)	18.067	2961773	20.053 ug/ml
18) T n-Dotriacontane (C32)	18.903	3046460	20.984 ug/mlm
19) T n-Tetratriacontane (C34)	19.687	2710196	20.108 ug/ml
20) T n-Hexatriacontane (C36)	20.427	2353364	19.806 ug/mlm
21) T n-Octatriacontane (C38)	21.166	2227158	20.076 ug/mlm
22) T n-Tetracontane (C40)	22.079	2074966	19.192 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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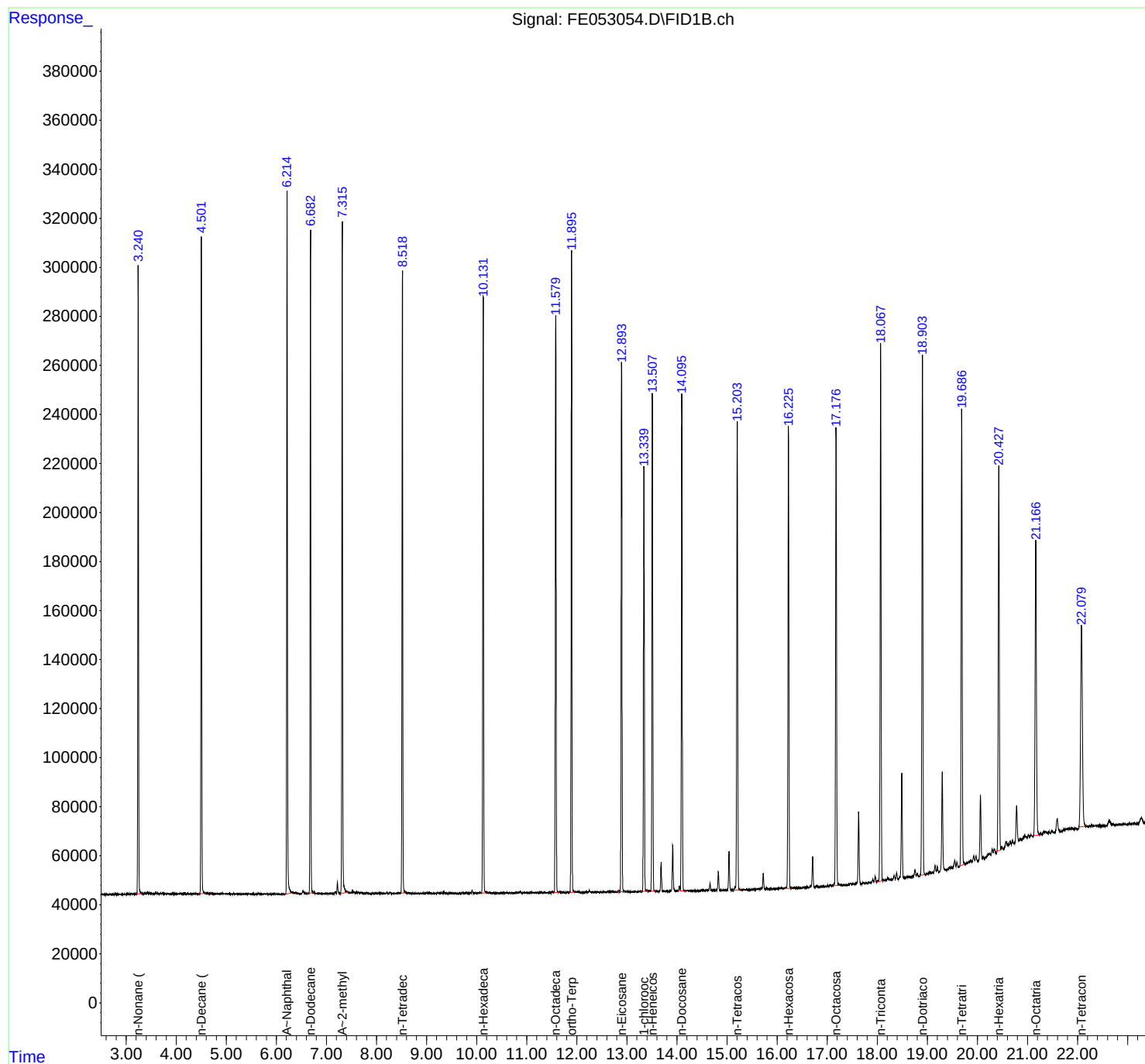
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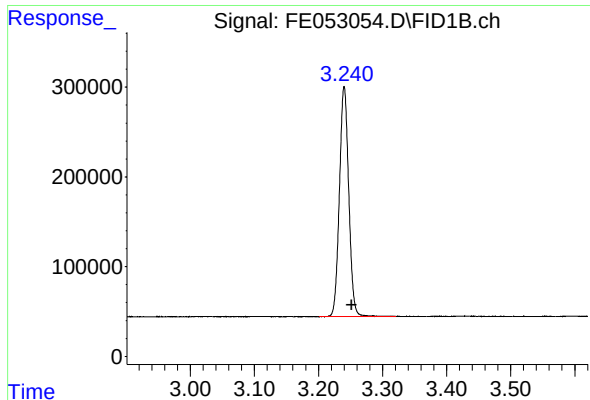
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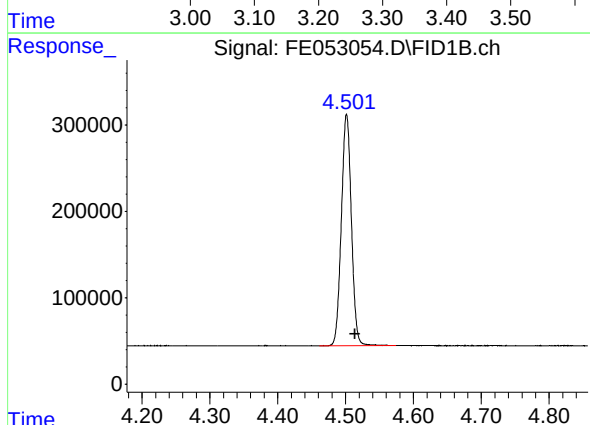
#1 n-Nonane (C9)

R.T.: 3.240 min
Delta R.T.: -0.012 min
Response: 2576515
Conc: 16.62 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

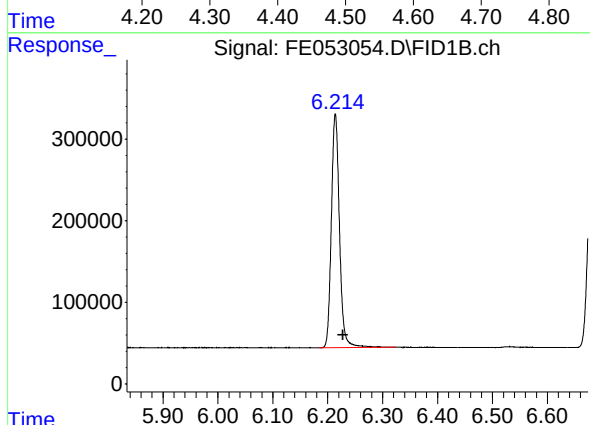
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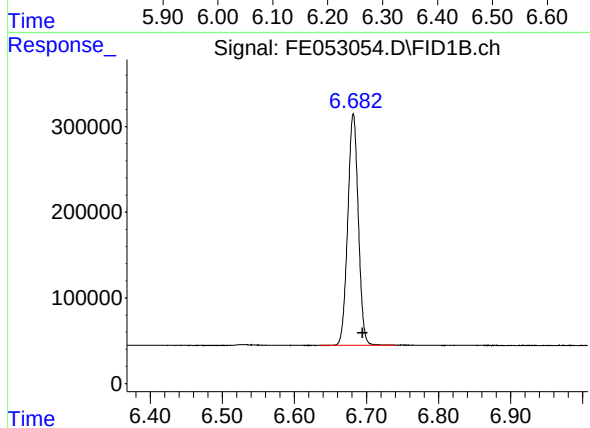
#2 n-Decane (C10)

R.T.: 4.502 min
Delta R.T.: -0.012 min
Response: 2749805
Conc: 17.50 ug/ml



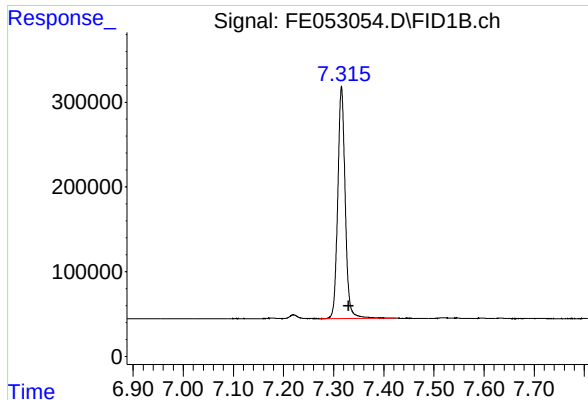
#3 A~Naphthalene (C11.7)

R.T.: 6.214 min
Delta R.T.: -0.014 min
Response: 2947154
Conc: 17.38 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.682 min
Delta R.T.: -0.013 min
Response: 2753416
Conc: 17.68 ug/ml



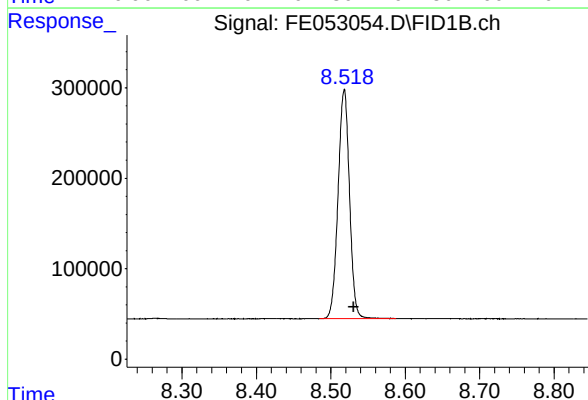
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.316 min
Delta R.T.: -0.014 min
Response: 2827158
Conc: 17.45 ug/ml

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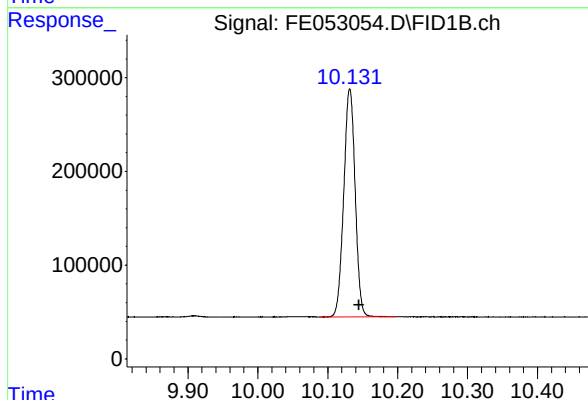
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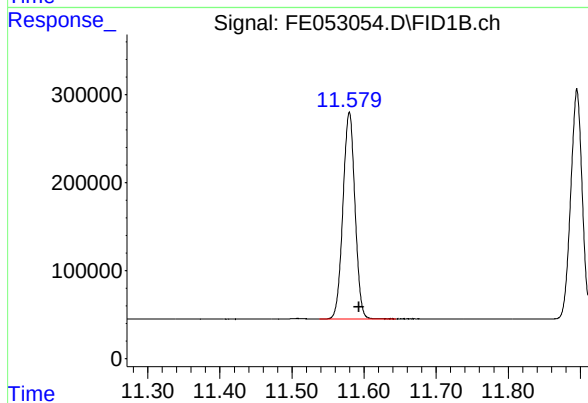
#6 n-Tetradecane (C14)

R.T.: 8.518 min
Delta R.T.: -0.013 min
Response: 2704488
Conc: 17.87 ug/ml



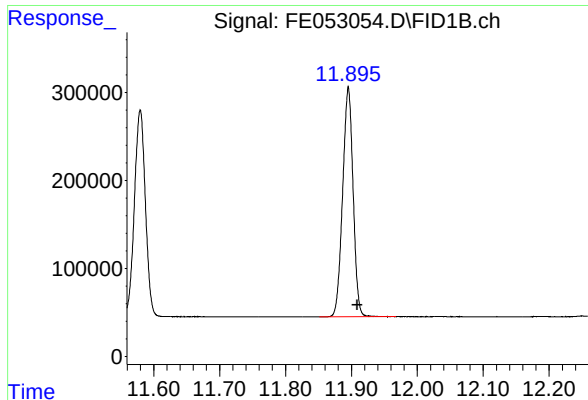
#7 n-Hexadecane (C16)

R.T.: 10.132 min
Delta R.T.: -0.013 min
Response: 2762985
Conc: 18.07 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.580 min
Delta R.T.: -0.014 min
Response: 2728875
Conc: 17.94 ug/ml



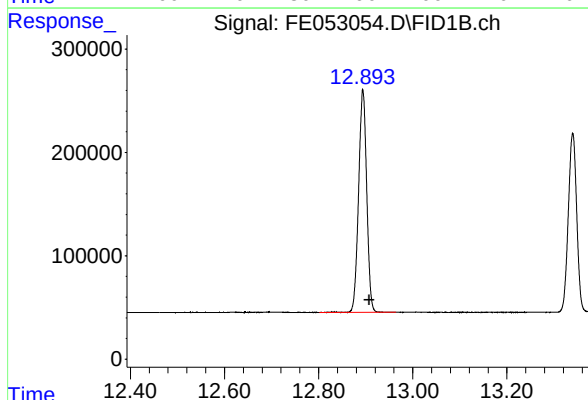
#9 ortho-Terphenyl (SURR)

R.T.: 11.895 min
Delta R.T.: -0.013 min
Response: 2872812
Conc: 17.04 ug/ml

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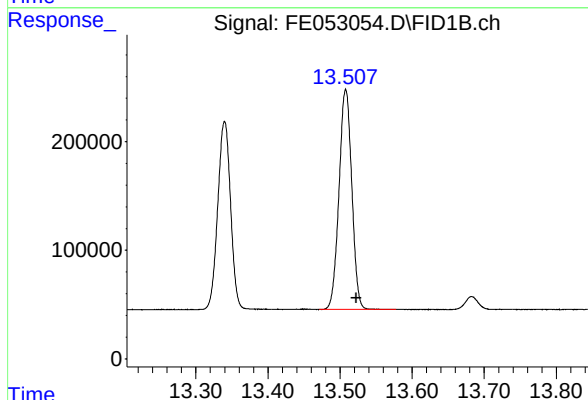
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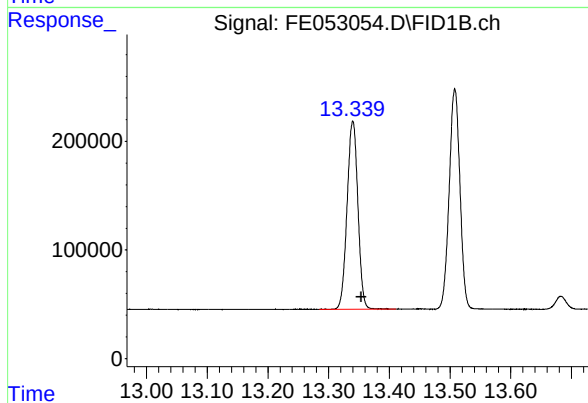
#10 n-Eicosane (C20)

R.T.: 12.894 min
Delta R.T.: -0.014 min
Response: 2573878
Conc: 17.73 ug/ml



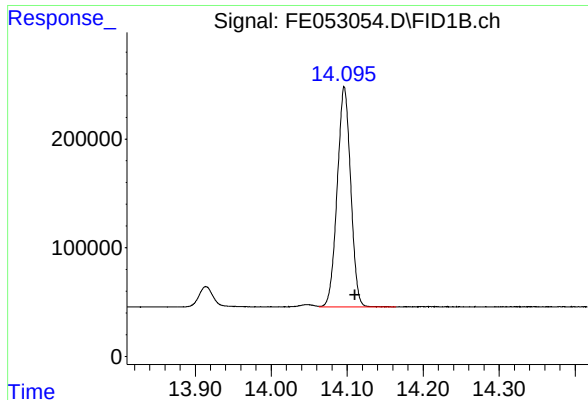
#11 n-Heneicosane (C21)

R.T.: 13.508 min
Delta R.T.: -0.014 min
Response: 2499700
Conc: 17.56 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.340 min
Delta R.T.: -0.014 min
Response: 2146784
Conc: 17.68 ug/ml



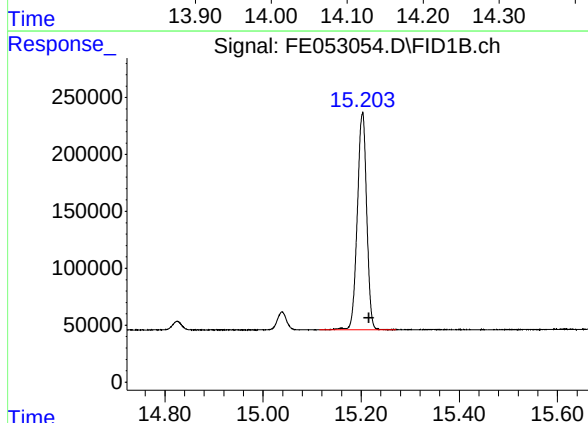
#13 n-Docosane (C22)

R.T.: 14.096 min
Delta R.T.: -0.014 min
Response: 2491438
Conc: 17.51 ug/ml

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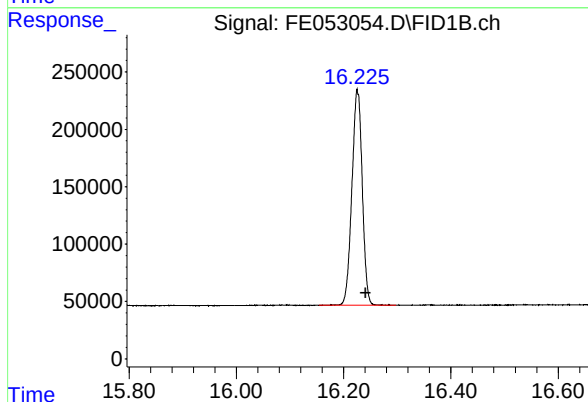
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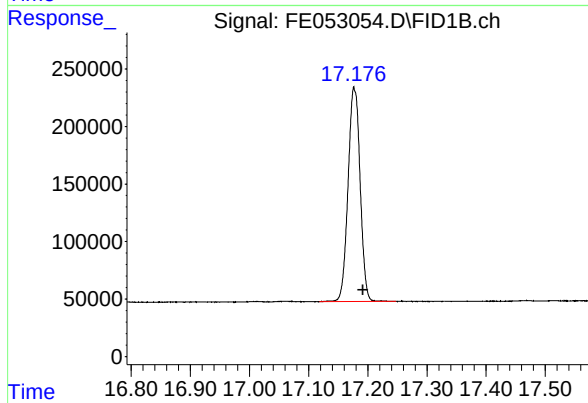
#14 n-Tetracosane (C24)

R.T.: 15.203 min
Delta R.T.: -0.013 min
Response: 2525805
Conc: 17.65 ug/ml



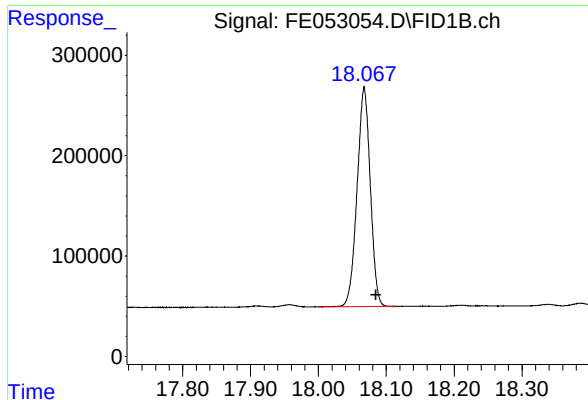
#15 n-Hexacosane (C26)

R.T.: 16.226 min
Delta R.T.: -0.015 min
Response: 2520111
Conc: 17.72 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.177 min
Delta R.T.: -0.015 min
Response: 2640691
Conc: 18.57 ug/ml



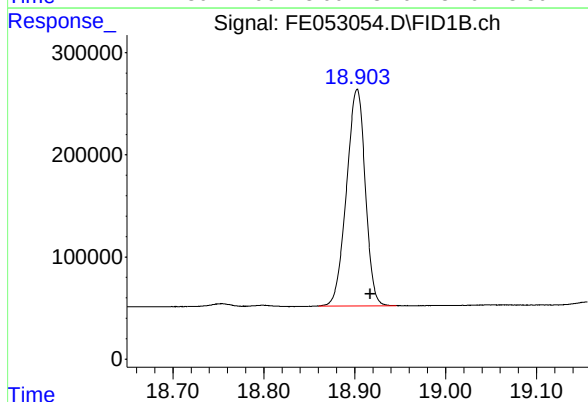
#17 n-Tricontane (C30)

R.T.: 18.067 min
Delta R.T.: -0.018 min
Response: 2961773
Conc: 20.05 ug/ml

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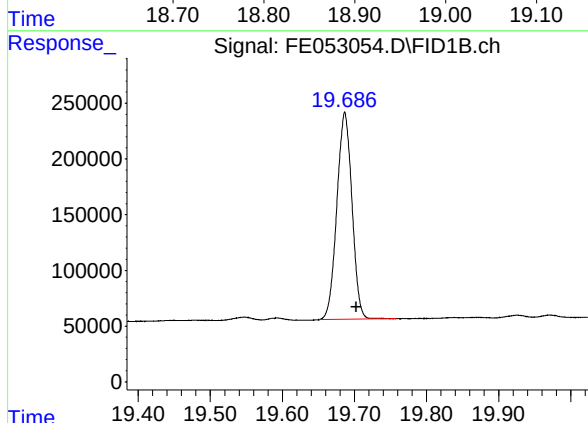
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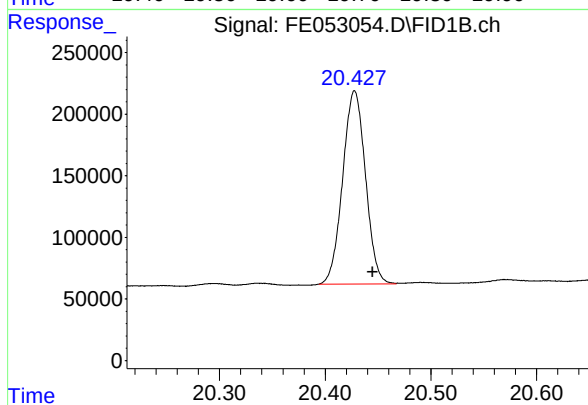
#18 n-Dotriacontane (C32)

R.T.: 18.903 min
Delta R.T.: -0.014 min
Response: 3046460
Conc: 20.98 ug/ml m



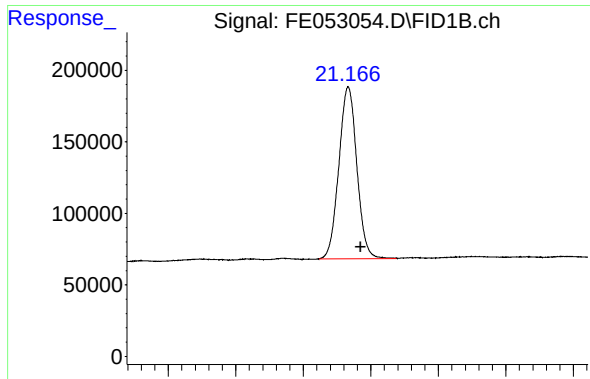
#19 n-Tetratriacontane (C34)

R.T.: 19.687 min
Delta R.T.: -0.016 min
Response: 2710196
Conc: 20.11 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.427 min
Delta R.T.: -0.018 min
Response: 2353364
Conc: 19.81 ug/ml m



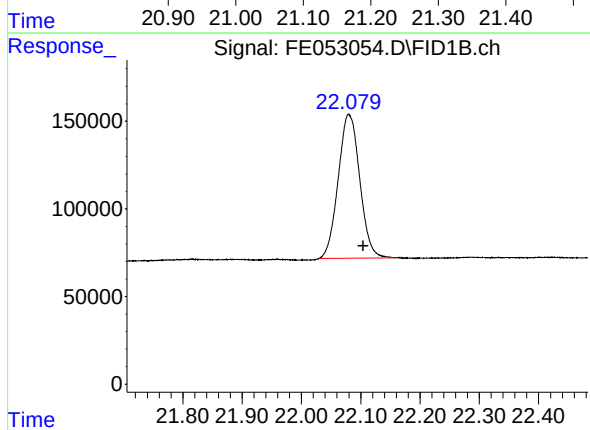
#21 n-Octatriacontane (C38)

R.T.: 21.166 min
Delta R.T.: -0.019 min
Response: 2227158
Conc: 20.08 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.079 min
Delta R.T.: -0.025 min
Response: 2074966
Conc: 19.19 ug/ml m