

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061725AL\
 Data File : FE054435.D
 Signal(s) : FID1B.ch
 Acq On : 17 Jun 2025 09:27
 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 06/18/2025
 Supervised By :mohammad ahmed 06/19/2025

Integration File: autoint1.e
 Quant Time: Jun 18 01:20:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
 Quant Title : GC Extractables
 QLast Update : Tue Jun 10 07:24:04 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)	11.824	3518532	21.294 ug/ml
Spiked Amount 50.000		Recovery =	42.59%
12) S 1-chlorooctadecane (S...	13.268	2625991	21.534 ug/ml
Spiked Amount 50.000		Recovery =	43.07%
Target Compounds			
1) T n-Nonane (C9)	3.173	2615956	21.066 ug/ml
2) T n-Decane (C10)	4.436	2652566	21.348 ug/ml
3) T A~Naphthalene (C11.7)	6.151	2928166	21.668 ug/ml
4) T n-Dodecane (C12)	6.617	2722569	21.382 ug/ml
5) T A~2-methylnaphthalene...	7.253	2807598	21.197 ug/ml
6) T n-Tetradecane (C14)	8.452	2743874	21.194 ug/ml
7) T n-Hexadecane (C16)	10.064	2821772	21.242 ug/ml
8) T n-Octadecane (C18)	11.510	2869853	21.253 ug/ml
10) T n-Eicosane (C20)	12.823	2851248	21.313 ug/ml
11) T n-Heneicosane (C21)	13.436	2842233	21.375 ug/ml
13) T n-Docosane (C22)	14.023	2815781	21.475 ug/ml
14) T n-Tetracosane (C24)	15.128	2797929	21.690 ug/ml
15) T n-Hexacosane (C26)	16.151	2731158	21.757 ug/ml
16) T n-Octacosane (C28)	17.102	2712539	22.120 ug/ml
17) T n-Tricontane (C30)	17.991	2808233	22.658 ug/ml
18) T n-Dotriacontane (C32)	18.824	2906360	23.132 ug/ml
19) T n-Tetratriacontane (C34)	19.610	2787951	22.410 ug/mlm
20) T n-Hexatriacontane (C36)	20.351	2777032	21.572 ug/ml
21) T n-Octatriacontane (C38)	21.078	2768304	20.965 ug/ml
22) T n-Tetracontane (C40)	21.964	2737744	20.324 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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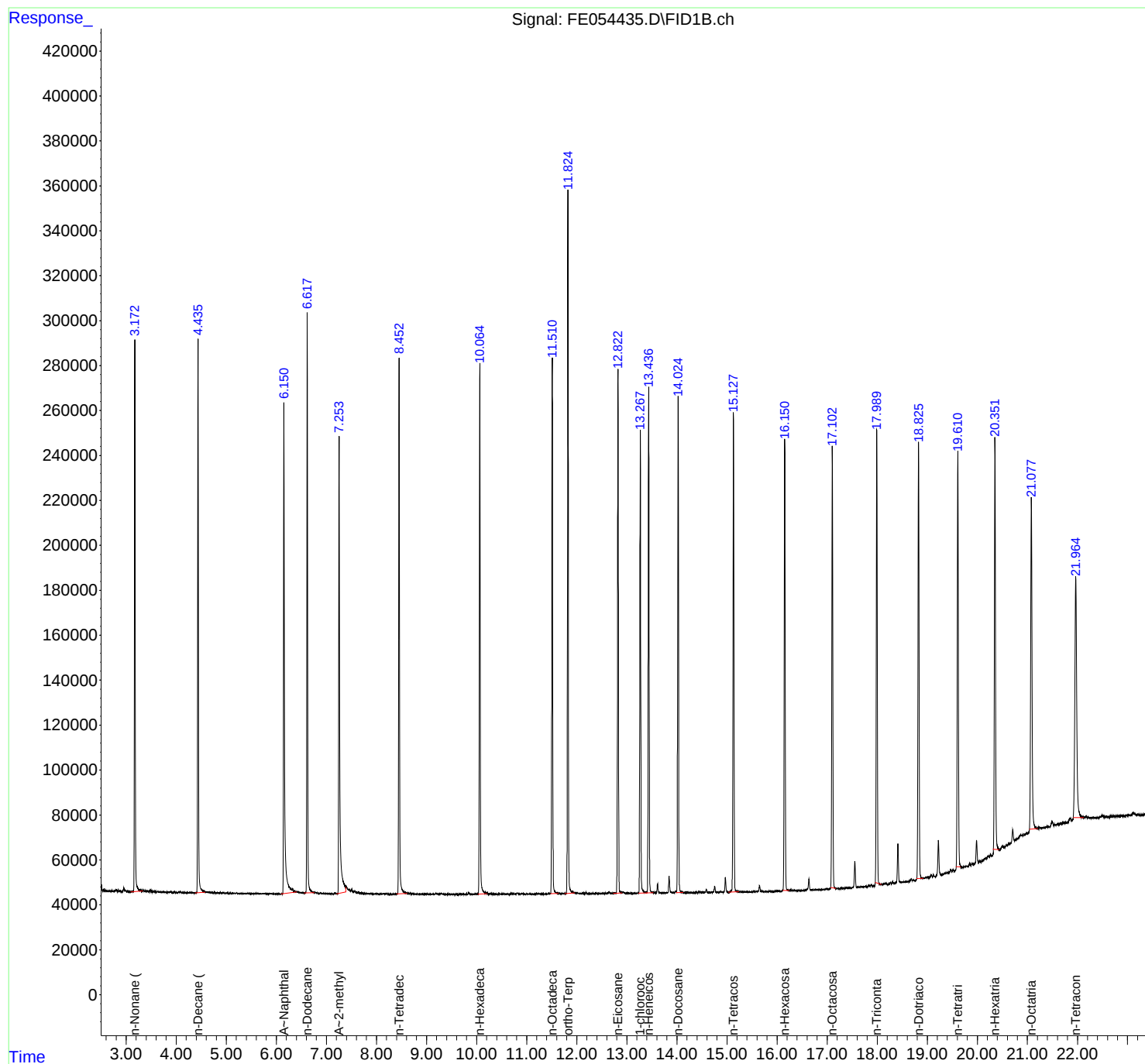
Instrument :
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20 PPM ALIPHATIC HC STD

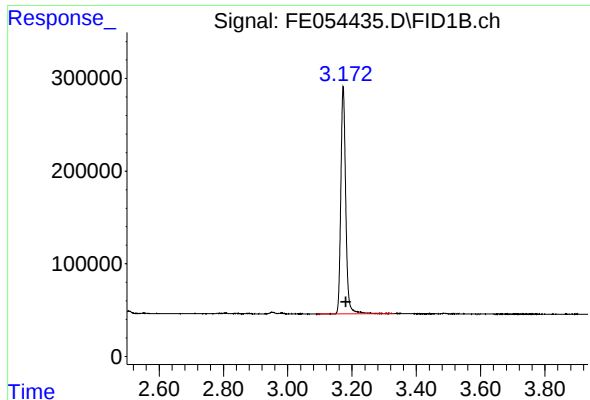
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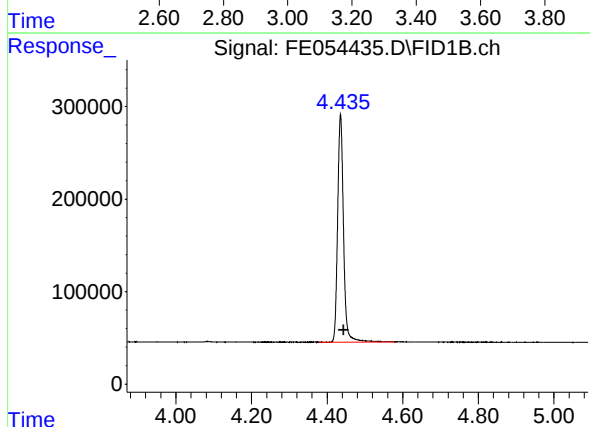
#1 n-Nonane (C9)

R.T.: 3.173 min
Delta R.T.: -0.008 min
Response: 2615956
Conc: 21.07 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

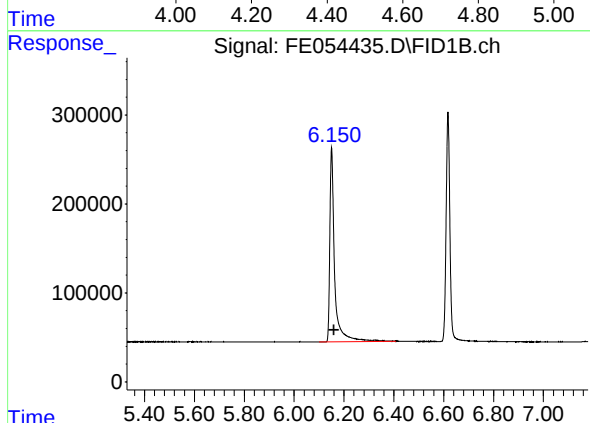
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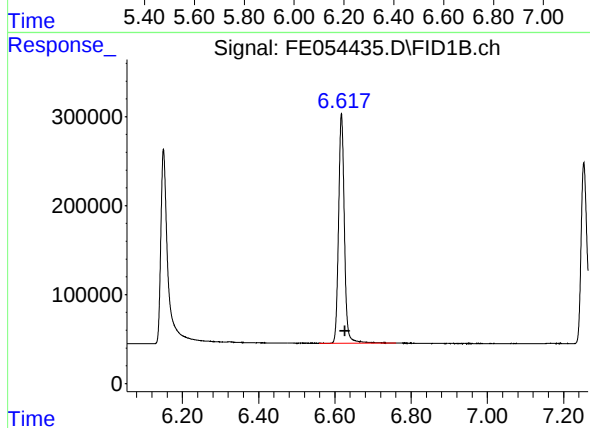
#2 n-Decane (C10)

R.T.: 4.436 min
Delta R.T.: -0.009 min
Response: 2652566
Conc: 21.35 ug/ml



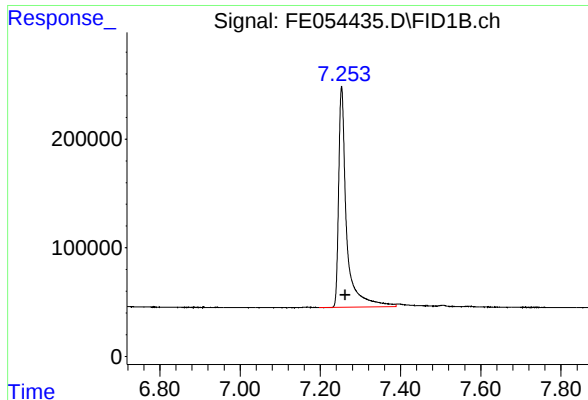
#3 A~Naphthalene (C11.7)

R.T.: 6.151 min
Delta R.T.: -0.009 min
Response: 2928166
Conc: 21.67 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.617 min
Delta R.T.: -0.009 min
Response: 2722569
Conc: 21.38 ug/ml



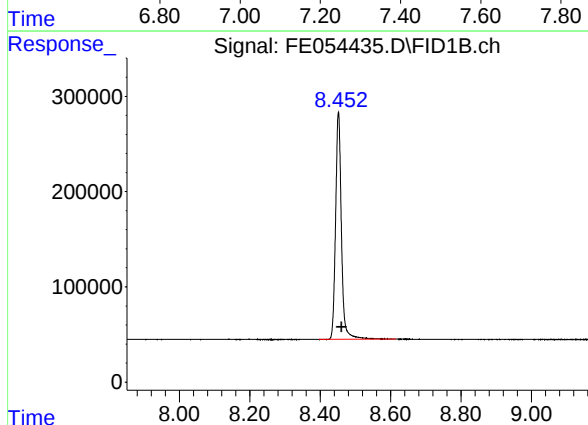
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.253 min
Delta R.T.: -0.009 min
Response: 2807598
Conc: 21.20 ug/ml

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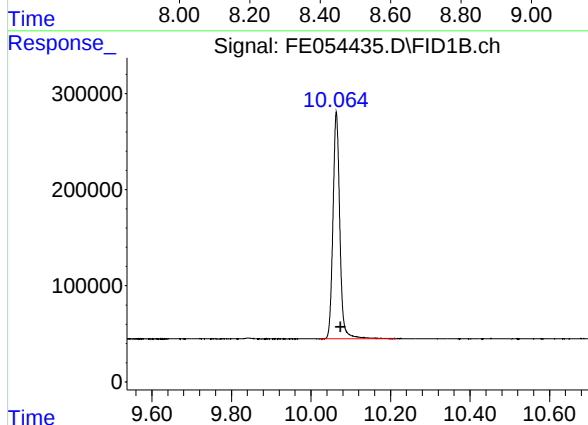
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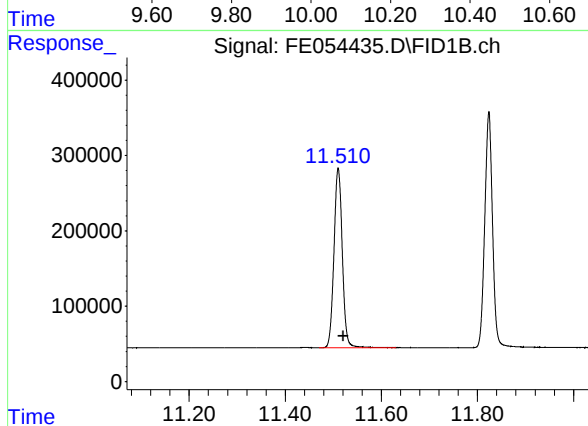
#6 n-Tetradecane (C14)

R.T.: 8.452 min
Delta R.T.: -0.009 min
Response: 2743874
Conc: 21.19 ug/ml



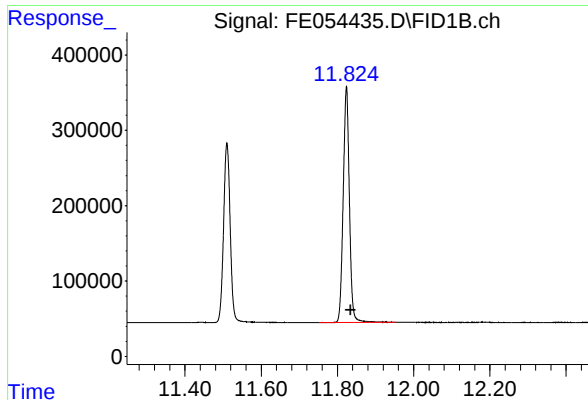
#7 n-Hexadecane (C16)

R.T.: 10.064 min
Delta R.T.: -0.011 min
Response: 2821772
Conc: 21.24 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.510 min
Delta R.T.: -0.011 min
Response: 2869853
Conc: 21.25 ug/ml



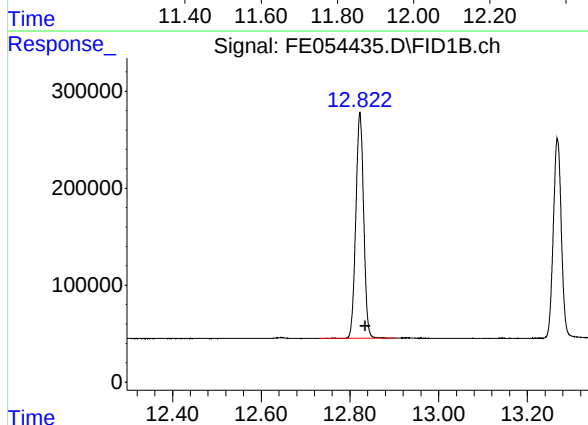
#9 ortho-Terphenyl (SURR)

R.T.: 11.824 min
Delta R.T.: -0.011 min
Response: 3518532
Conc: 21.29 ug/ml

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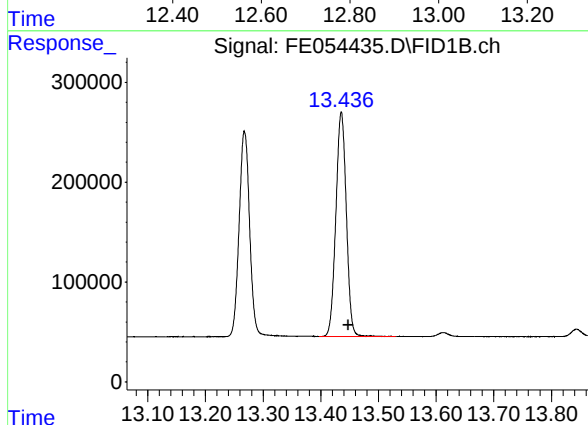
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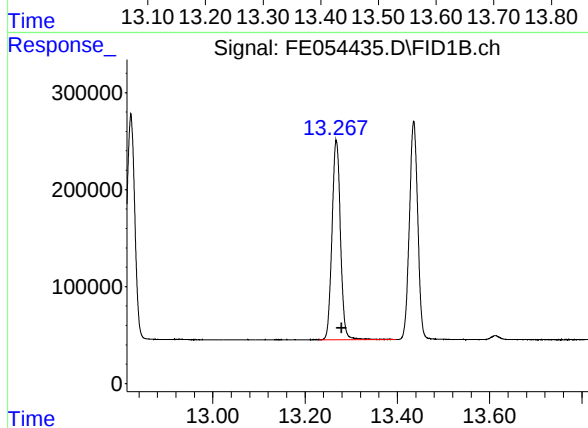
#10 n-Eicosane (C20)

R.T.: 12.823 min
Delta R.T.: -0.012 min
Response: 2851248
Conc: 21.31 ug/ml



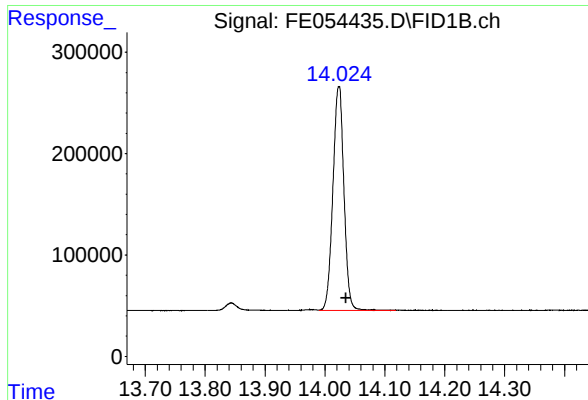
#11 n-Heneicosane (C21)

R.T.: 13.436 min
Delta R.T.: -0.012 min
Response: 2842233
Conc: 21.38 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.268 min
Delta R.T.: -0.012 min
Response: 2625991
Conc: 21.53 ug/ml



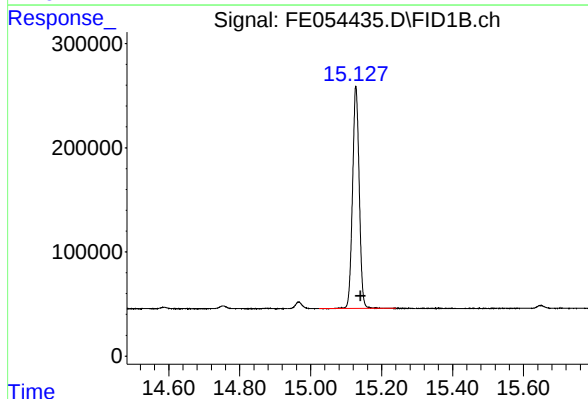
#13 n-Docosane (C22)

R.T.: 14.023 min
Delta R.T.: -0.012 min
Response: 2815781
Conc: 21.47 ug/ml

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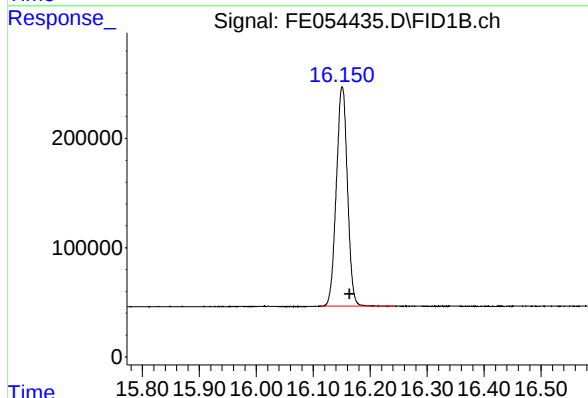
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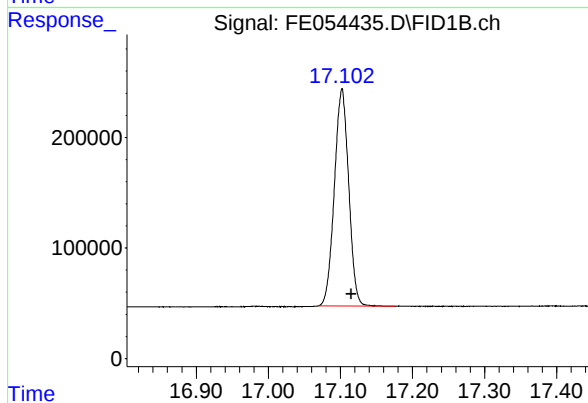
#14 n-Tetracosane (C24)

R.T.: 15.128 min
Delta R.T.: -0.014 min
Response: 2797929
Conc: 21.69 ug/ml



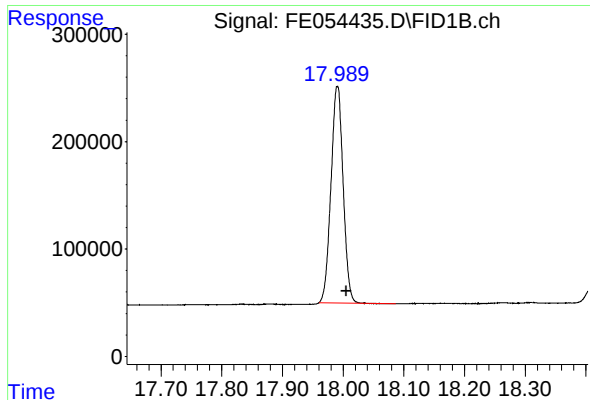
#15 n-Hexacosane (C26)

R.T.: 16.151 min
Delta R.T.: -0.013 min
Response: 2731158
Conc: 21.76 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.102 min
Delta R.T.: -0.013 min
Response: 2712539
Conc: 22.12 ug/ml



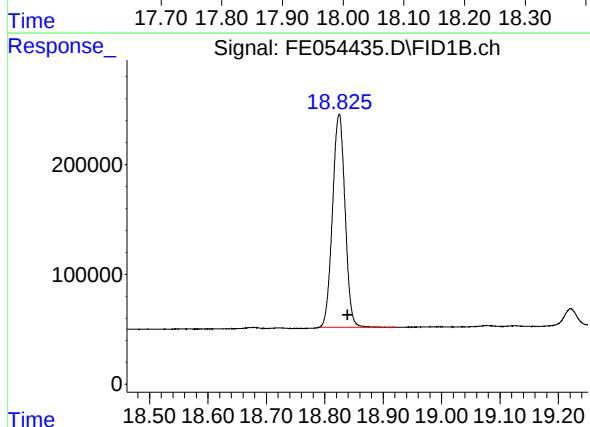
#17 n-Tricontane (C30)

R.T.: 17.991 min
Delta R.T.: -0.015 min
Response: 2808233
Conc: 22.66 ug/ml

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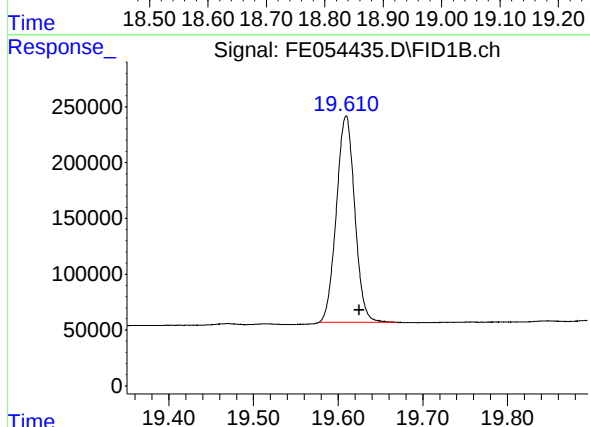
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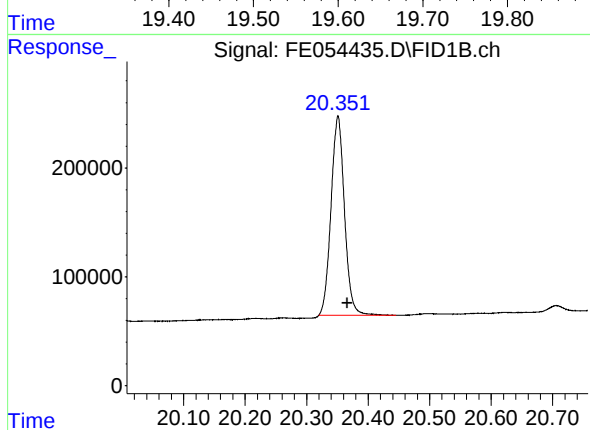
#18 n-Dotriacontane (C32)

R.T.: 18.824 min
Delta R.T.: -0.014 min
Response: 2906360
Conc: 23.13 ug/ml



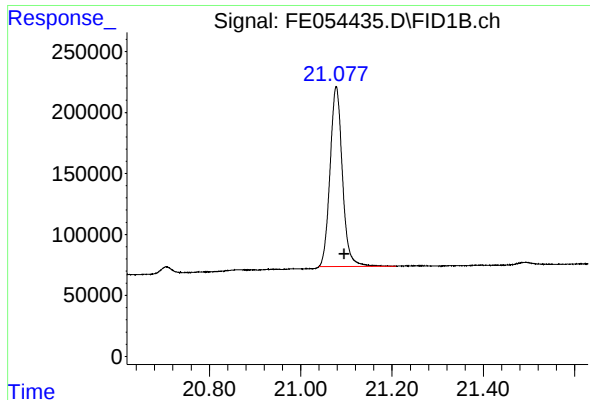
#19 n-Tetratriacontane (C34)

R.T.: 19.610 min
Delta R.T.: -0.015 min
Response: 2787951
Conc: 22.41 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.351 min
Delta R.T.: -0.015 min
Response: 2777032
Conc: 21.57 ug/ml



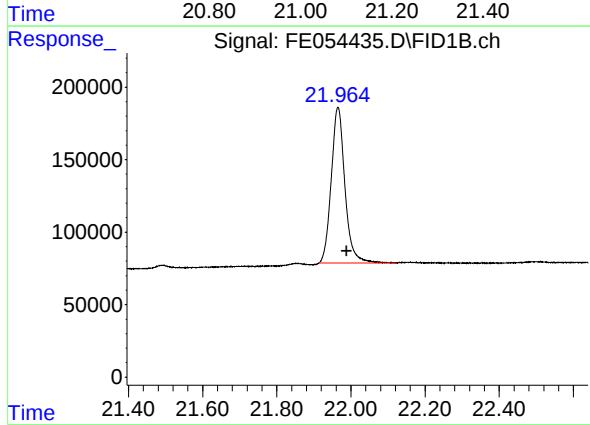
#21 n-Octatriacontane (C38)

R.T.: 21.078 min
Delta R.T.: -0.018 min
Response: 2768304
Conc: 20.97 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.964 min
Delta R.T.: -0.024 min
Response: 2737744
Conc: 20.32 ug/ml m