

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061625AL\
 Data File : FE054406.D
 Signal(s) : FID1B.ch
 Acq On : 16 Jun 2025 15:47
 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 06/17/2025
 Supervised By :mohammad ahmed 06/18/2025

Integration File: autoint1.e
 Quant Time: Jun 17 03:34:19 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	3445239	20.850 ug/ml
Spiked Amount 50.000		Recovery =	41.70%
12) S 1-chlorooctadecane (S...	13.270	2515623	20.629 ug/ml
Spiked Amount 50.000		Recovery =	41.26%
Target Compounds			
1) T n-Nonane (C9)	3.174	2566507	20.668 ug/ml
2) T n-Decane (C10)	4.437	2614627	21.043 ug/ml
3) T A~Naphthalene (C11.7)	6.152	2777654	20.554 ug/ml
4) T n-Dodecane (C12)	6.618	2676610	21.021 ug/ml
5) T A~2-methylnaphthalene...	7.254	2767188	20.892 ug/ml
6) T n-Tetradecane (C14)	8.453	2695824	20.823 ug/ml
7) T n-Hexadecane (C16)	10.064	2769905	20.852 ug/ml
8) T n-Octadecane (C18)	11.511	2810509	20.813 ug/ml
10) T n-Eicosane (C20)	12.824	2774927	20.743 ug/ml
11) T n-Heneicosane (C21)	13.437	2769530	20.829 ug/ml
13) T n-Docosane (C22)	14.025	2751407	20.984 ug/ml
14) T n-Tetracosane (C24)	15.130	2724742	21.123 ug/ml
15) T n-Hexacosane (C26)	16.152	2661098	21.199 ug/ml
16) T n-Octacosane (C28)	17.104	2617522	21.345 ug/ml
17) T n-Tricontane (C30)	17.993	2669167	21.536 ug/ml
18) T n-Dotriacontane (C32)	18.828	2668689	21.240 ug/ml
19) T n-Tetratriacontane (C34)	19.613	2516062	20.224 ug/mlm
20) T n-Hexatriacontane (C36)	20.353	2484862	19.303 ug/mlm
21) T n-Octatriacontane (C38)	21.082	2308339	17.482 ug/ml
22) T n-Tetracontane (C40)	21.968	2469638	18.334 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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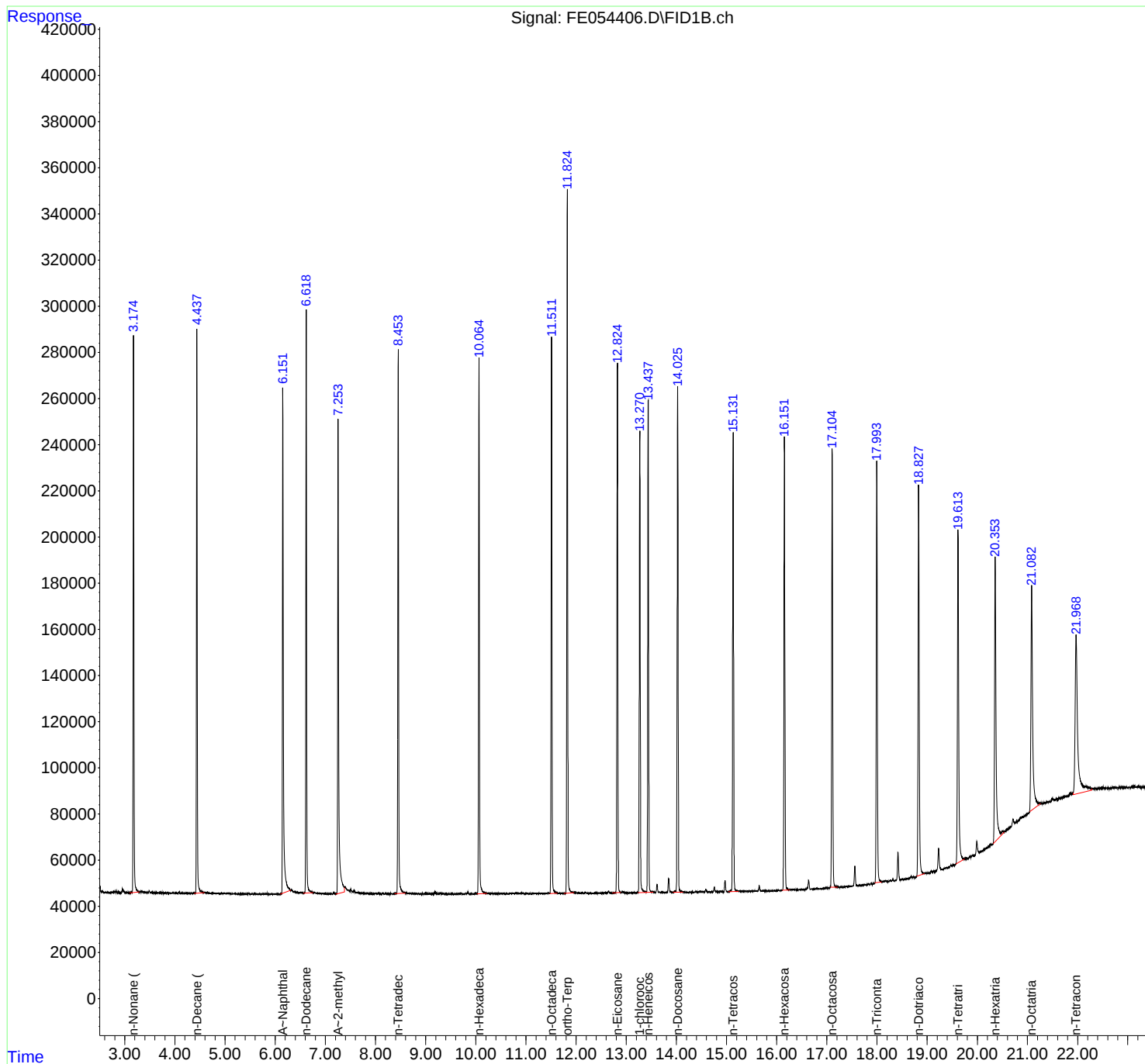
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20 PPM ALIPHATIC HC STD

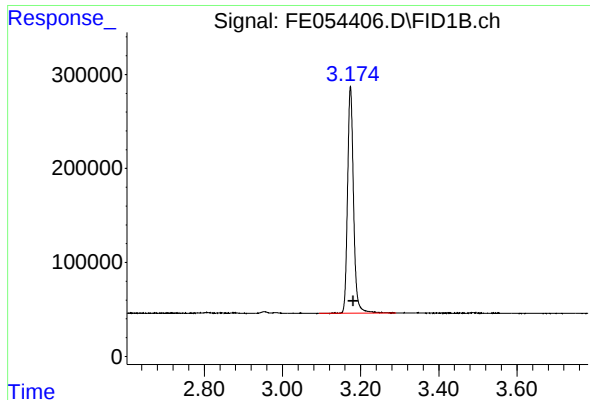
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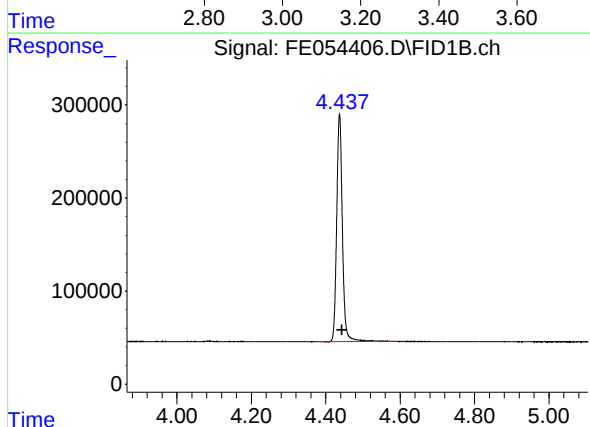
#1 n-Nonane (C9)

R.T.: 3.174 min
Delta R.T.: -0.007 min
Response: 2566507
Conc: 20.67 ug/ml

Instrument :
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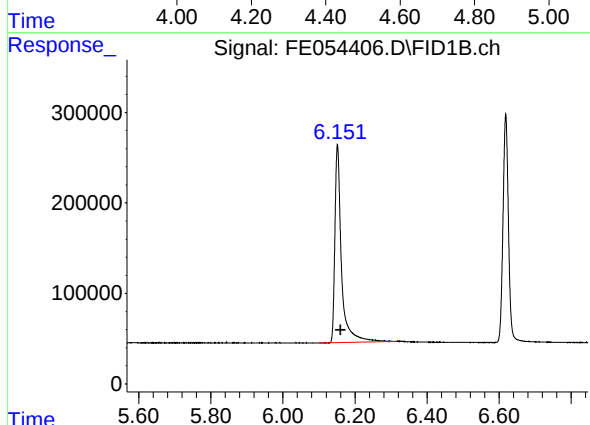
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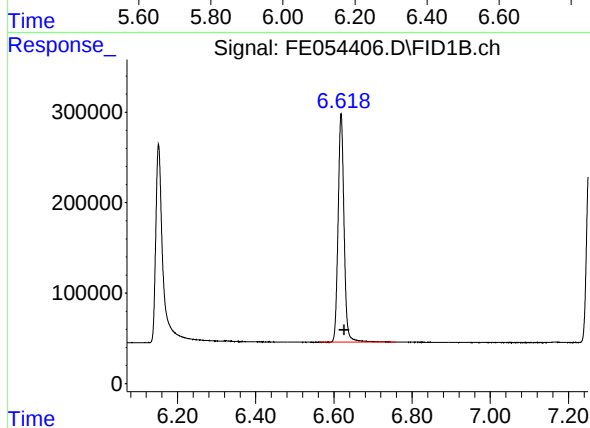
#2 n-Decane (C10)

R.T.: 4.437 min
Delta R.T.: -0.007 min
Response: 2614627
Conc: 21.04 ug/ml



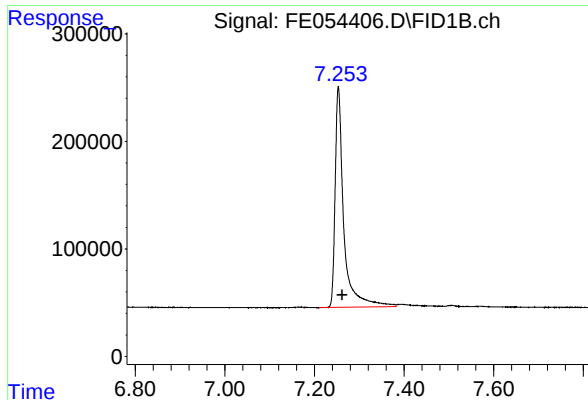
#3 A~Naphthalene (C11.7)

R.T.: 6.152 min
Delta R.T.: -0.009 min
Response: 2777654
Conc: 20.55 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.618 min
Delta R.T.: -0.008 min
Response: 2676610
Conc: 21.02 ug/ml



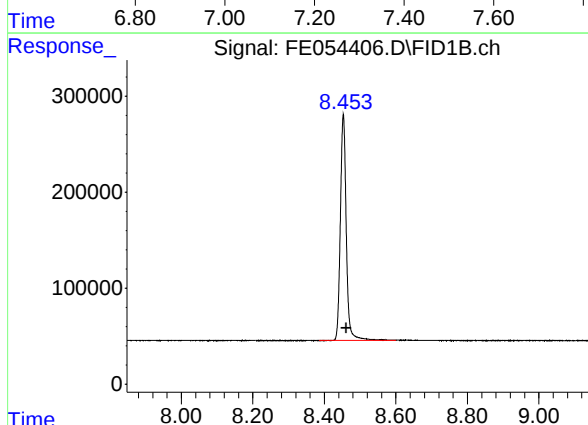
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.254 min
Delta R.T.: -0.009 min
Response: 2767188
Conc: 20.89 ug/ml

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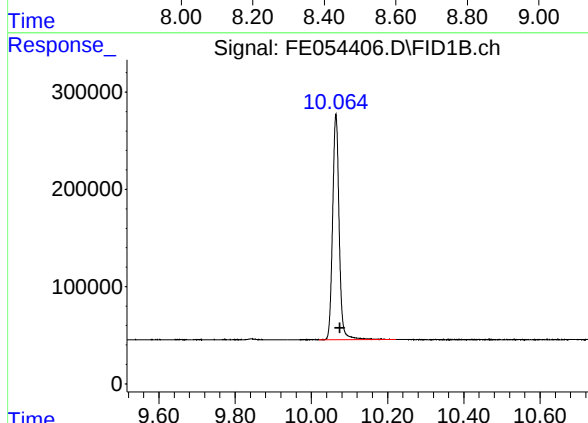
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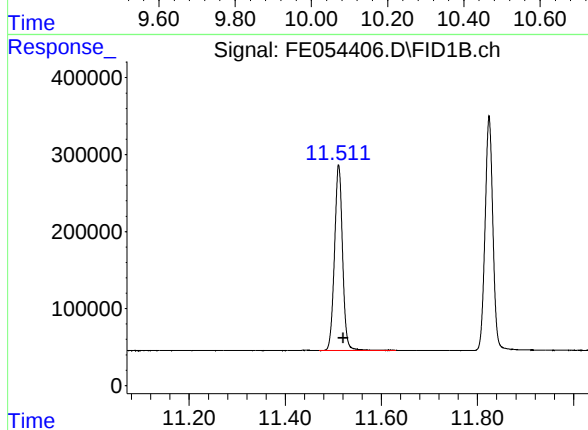
#6 n-Tetradecane (C14)

R.T.: 8.453 min
Delta R.T.: -0.008 min
Response: 2695824
Conc: 20.82 ug/ml



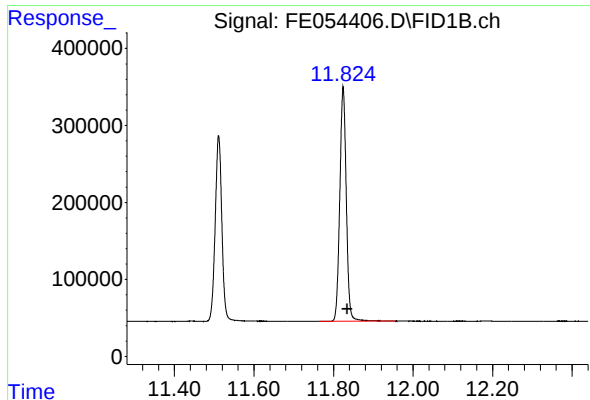
#7 n-Hexadecane (C16)

R.T.: 10.064 min
Delta R.T.: -0.010 min
Response: 2769905
Conc: 20.85 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.511 min
Delta R.T.: -0.010 min
Response: 2810509
Conc: 20.81 ug/ml



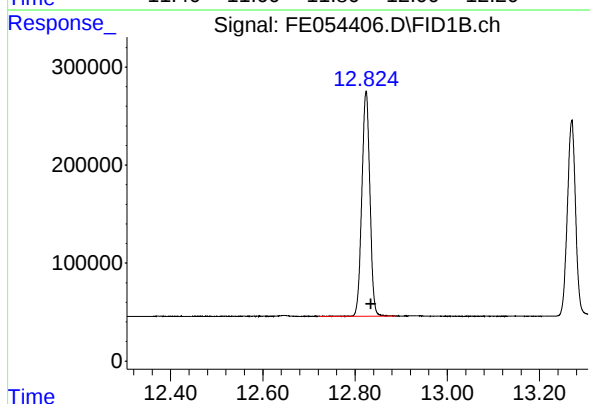
#9 ortho-Terphenyl (SURR)

R.T.: 11.824 min
Delta R.T.: -0.011 min
Response: 3445239
Conc: 20.85 ug/ml

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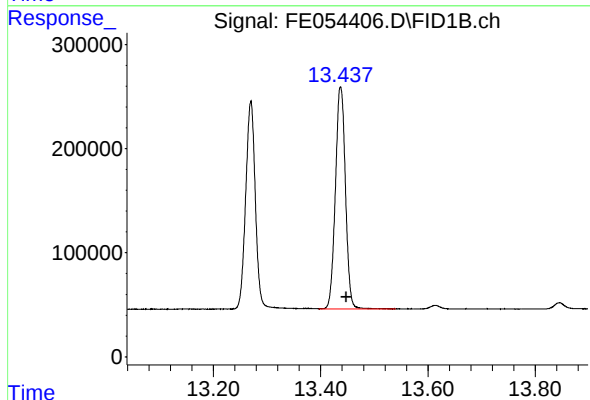
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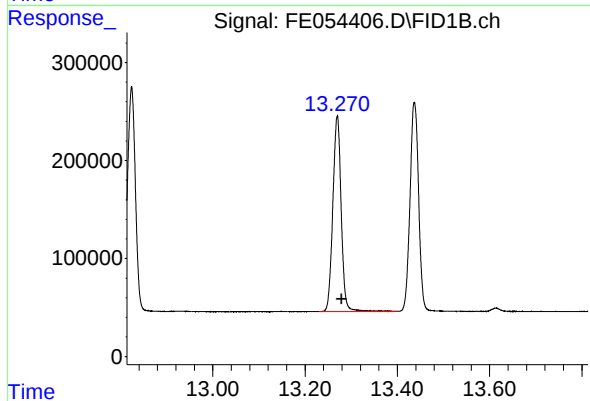
#10 n-Eicosane (C20)

R.T.: 12.824 min
Delta R.T.: -0.011 min
Response: 2774927
Conc: 20.74 ug/ml



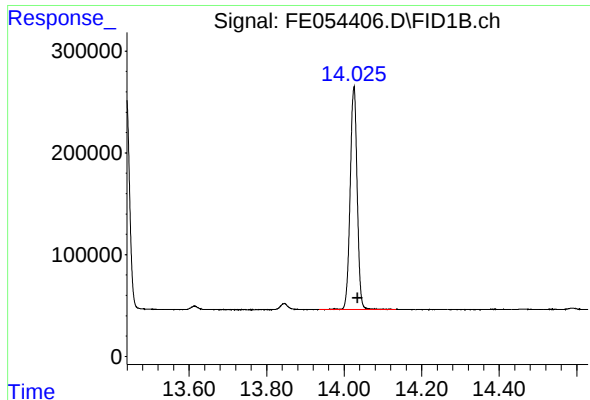
#11 n-Heneicosane (C21)

R.T.: 13.437 min
Delta R.T.: -0.011 min
Response: 2769530
Conc: 20.83 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.270 min
Delta R.T.: -0.010 min
Response: 2515623
Conc: 20.63 ug/ml



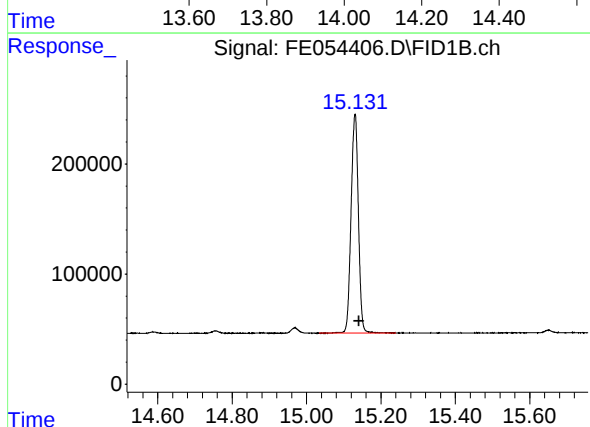
#13 n-Docosane (C22)

R.T.: 14.025 min
Delta R.T.: -0.010 min
Response: 2751407
Conc: 20.98 ug/ml

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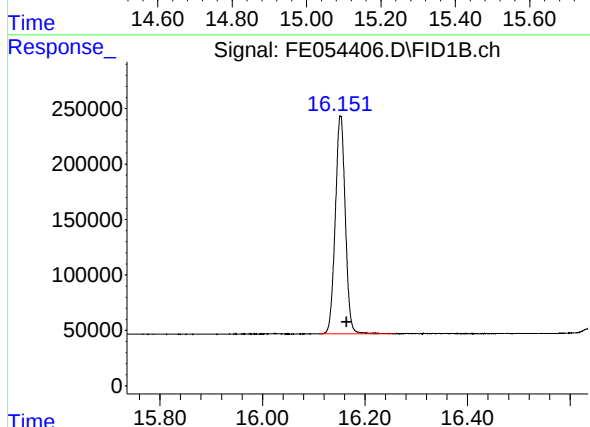
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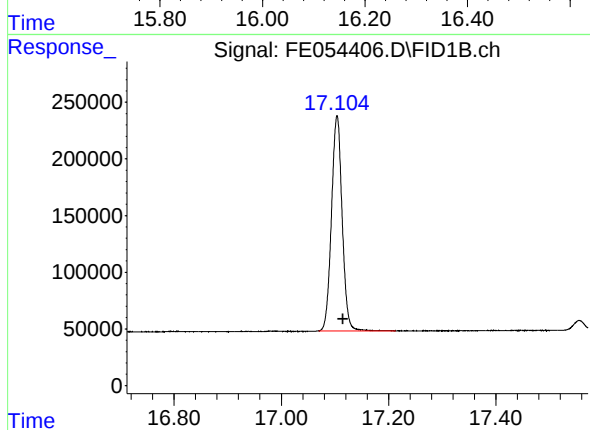
#14 n-Tetracosane (C24)

R.T.: 15.130 min
Delta R.T.: -0.011 min
Response: 2724742
Conc: 21.12 ug/ml



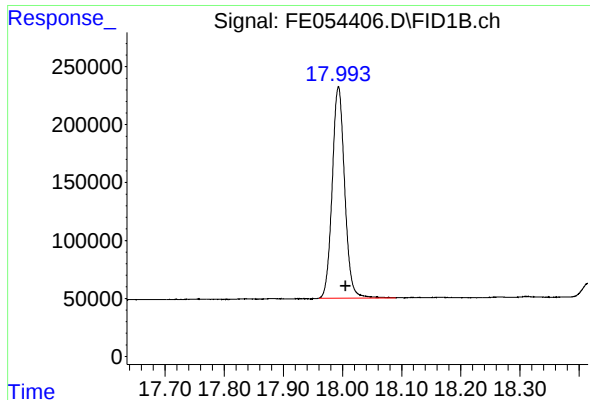
#15 n-Hexacosane (C26)

R.T.: 16.152 min
Delta R.T.: -0.012 min
Response: 2661098
Conc: 21.20 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.104 min
Delta R.T.: -0.011 min
Response: 2617522
Conc: 21.34 ug/ml



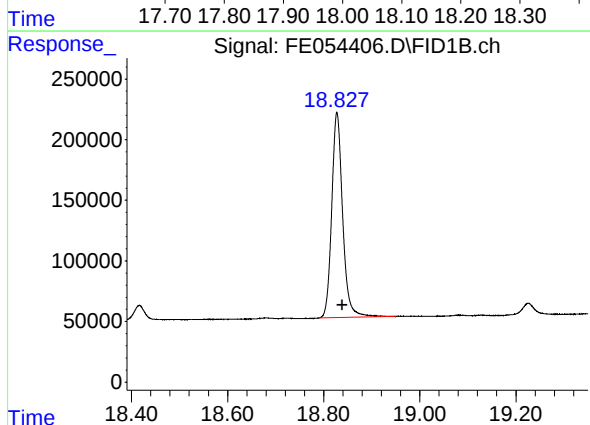
#17 n-Tricontane (C30)

R.T.: 17.993 min
Delta R.T.: -0.012 min
Response: 2669167
Conc: 21.54 ug/ml

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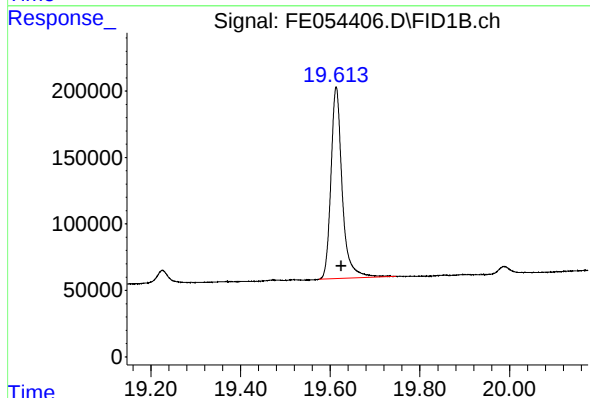
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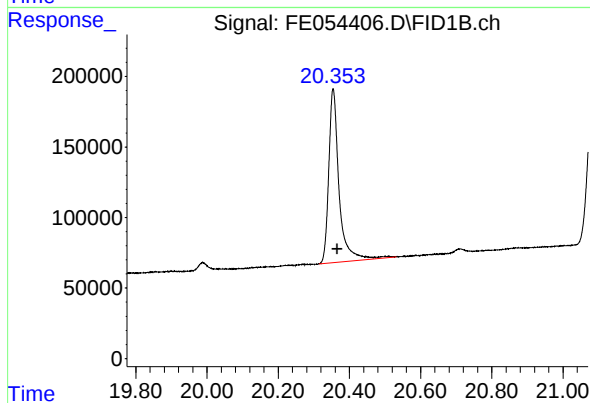
#18 n-Dotriacontane (C32)

R.T.: 18.828 min
Delta R.T.: -0.011 min
Response: 2668689
Conc: 21.24 ug/ml



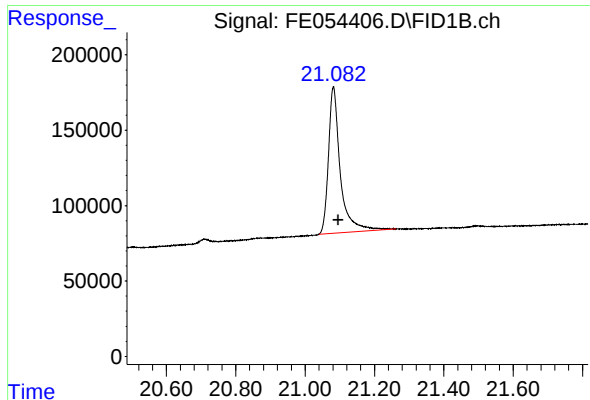
#19 n-Tetratriacontane (C34)

R.T.: 19.613 min
Delta R.T.: -0.012 min
Response: 2516062
Conc: 20.22 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.353 min
Delta R.T.: -0.013 min
Response: 2484862
Conc: 19.30 ug/ml m



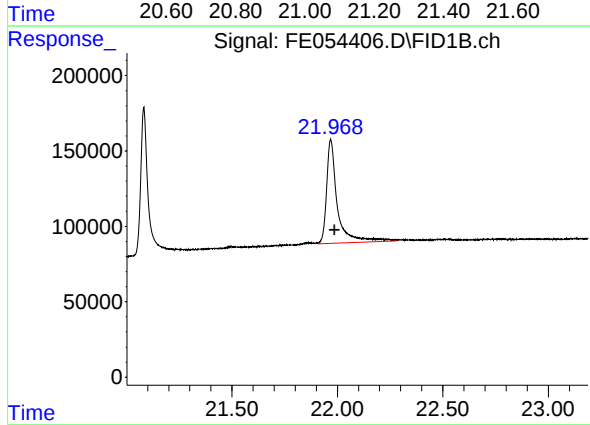
#21 n-Octatriacontane (C38)

R.T.: 21.082 min
Delta R.T.: -0.014 min
Response: 2308339
Conc: 17.48 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.968 min
Delta R.T.: -0.021 min
Response: 2469638
Conc: 18.33 ug/ml m