

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061325AL\
 Data File : FE054366.D
 Signal(s) : FID1B.ch
 Acq On : 13 Jun 2025 05:47
 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 06/13/2025
 Supervised By :mohammad ahmed 06/16/2025

Integration File: autoint1.e
 Quant Time: Jun 13 06:59:38 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	3105704	18.796 ug/ml
Spiked Amount 50.000		Recovery =	37.59%
12) S 1-chlorooctadecane (S...	13.268	2346629	19.243 ug/ml
Spiked Amount 50.000		Recovery =	38.49%
Target Compounds			
1) T n-Nonane (C9)	3.173	2235240	18.000 ug/ml
2) T n-Decane (C10)	4.437	2247329	18.087 ug/ml
3) T A~Naphthalene (C11.7)	6.152	2398918	17.751 ug/ml
4) T n-Dodecane (C12)	6.618	2314955	18.180 ug/ml
5) T A~2-methylnaphthalene...	7.255	2459918	18.572 ug/ml
6) T n-Tetradecane (C14)	8.453	2367498	18.287 ug/ml
7) T n-Hexadecane (C16)	10.064	2449275	18.438 ug/ml
8) T n-Octadecane (C18)	11.511	2522342	18.679 ug/ml
10) T n-Eicosane (C20)	12.822	2512134	18.779 ug/ml
11) T n-Heneicosane (C21)	13.435	2523789	18.980 ug/ml
13) T n-Docosane (C22)	14.023	2500869	19.073 ug/ml
14) T n-Tetracosane (C24)	15.128	2486444	19.276 ug/ml
15) T n-Hexacosane (C26)	16.150	2432560	19.379 ug/ml
16) T n-Octacosane (C28)	17.099	2430434	19.819 ug/mlm
17) T n-Tricontane (C30)	17.991	2563876	20.686 ug/mlm
18) T n-Dotriacontane (C32)	18.824	2655769	21.137 ug/ml
19) T n-Tetratriacontane (C34)	19.610	2657350	21.360 ug/mlm
20) T n-Hexatriacontane (C36)	20.348	2685675	20.863 ug/mlm
21) T n-Octatriacontane (C38)	21.075	2674088	20.252 ug/mlm
22) T n-Tetracontane (C40)	21.961	2648619	19.662 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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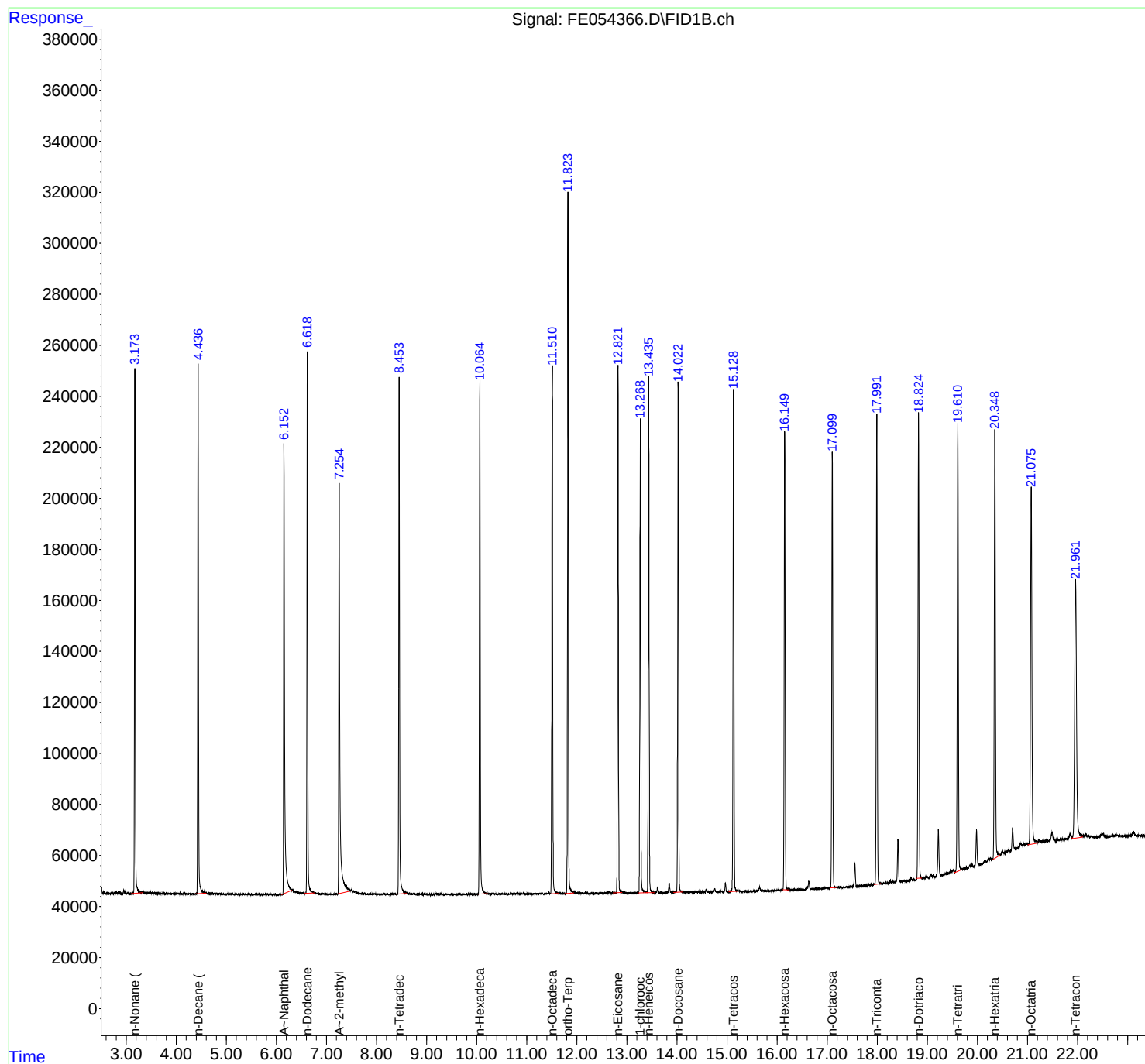
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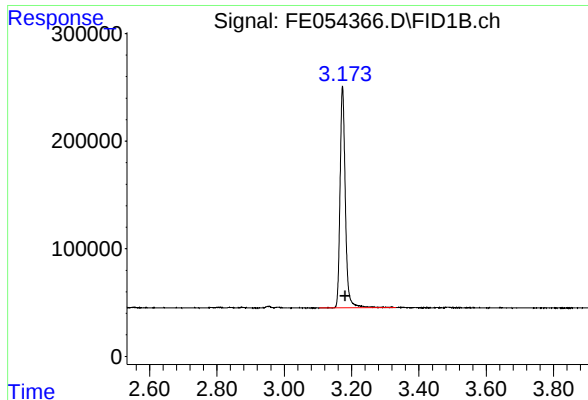
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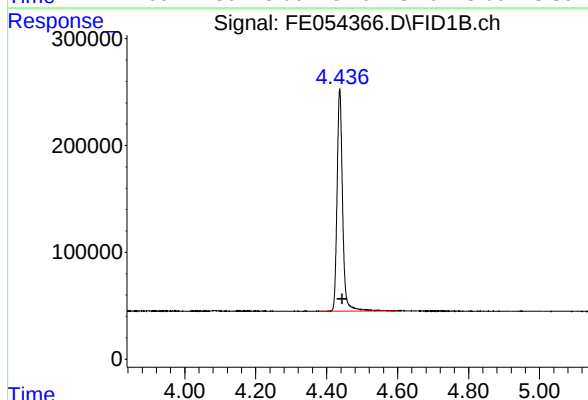
#1 n-Nonane (C9)

R.T.: 3.173 min
Delta R.T.: -0.008 min
Response: 2235240
Conc: 18.00 ug/ml

Instrument : FID_E
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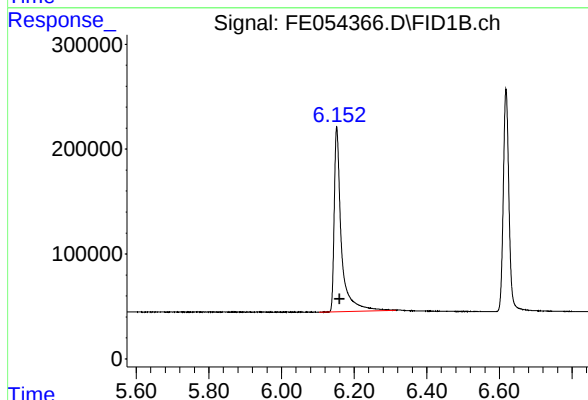
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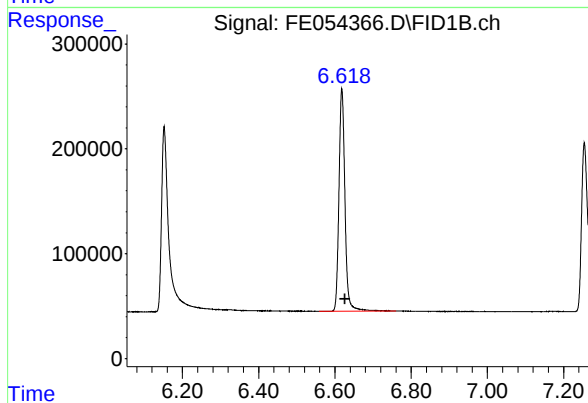
#2 n-Decane (C10)

R.T.: 4.437 min
Delta R.T.: -0.007 min
Response: 2247329
Conc: 18.09 ug/ml



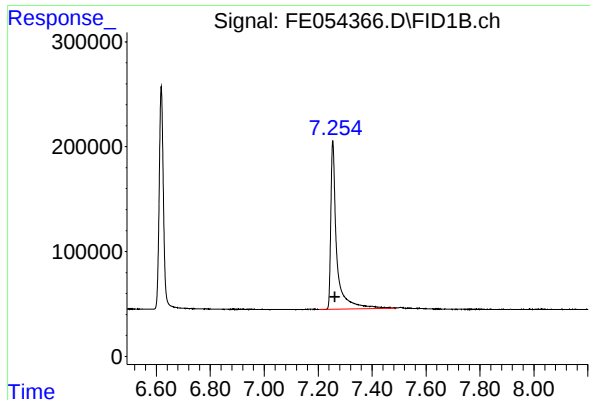
#3 A~Naphthalene (C11.7)

R.T.: 6.152 min
Delta R.T.: -0.008 min
Response: 2398918
Conc: 17.75 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.618 min
Delta R.T.: -0.008 min
Response: 2314955
Conc: 18.18 ug/ml



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

R.T.: 7.255 min
Delta R.T.: -0.008 min
Response: 2459918
Conc: 18.57 ug/ml

Instrument :

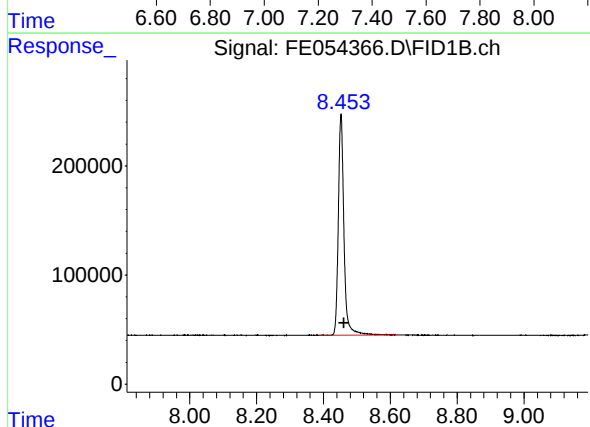
FID_E

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20 PPM ALIPHATIC HC STD

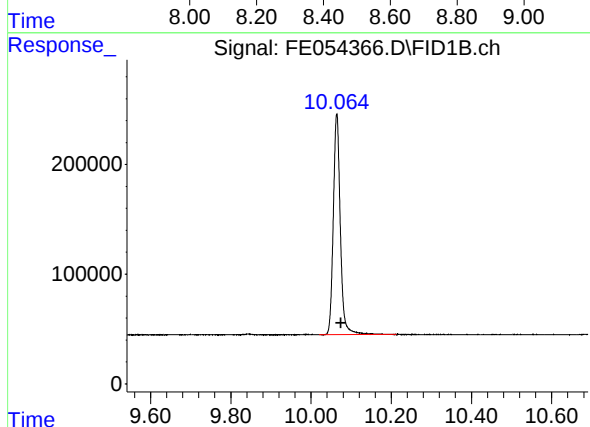
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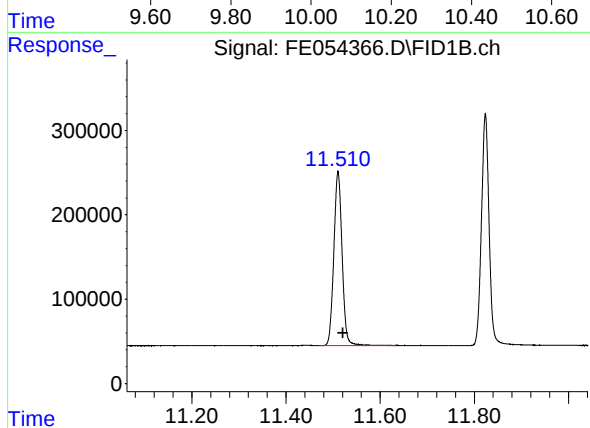
#6 n-Tetradecane (C14)

R.T.: 8.453 min
Delta R.T.: -0.009 min
Response: 2367498
Conc: 18.29 ug/ml



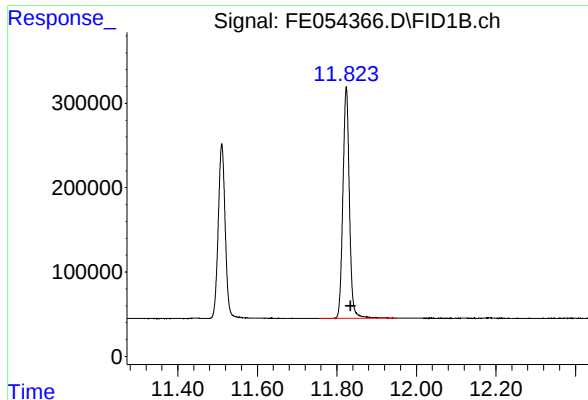
#7 n-Hexadecane (C16)

R.T.: 10.064 min
Delta R.T.: -0.010 min
Response: 2449275
Conc: 18.44 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.511 min
Delta R.T.: -0.010 min
Response: 2522342
Conc: 18.68 ug/ml



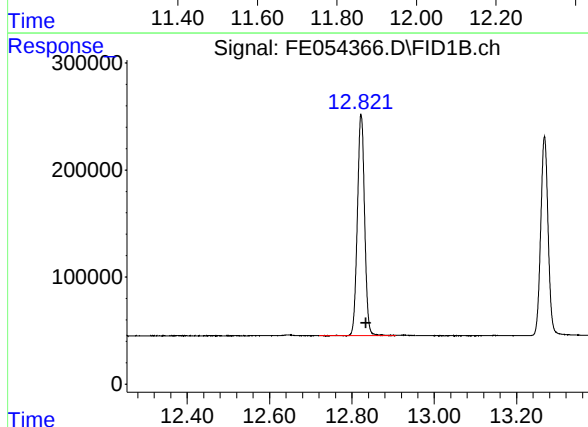
#9 ortho-Terphenyl (SURR)

R.T.: 11.824 min
Delta R.T.: -0.011 min
Response: 3105704
Conc: 18.80 ug/ml

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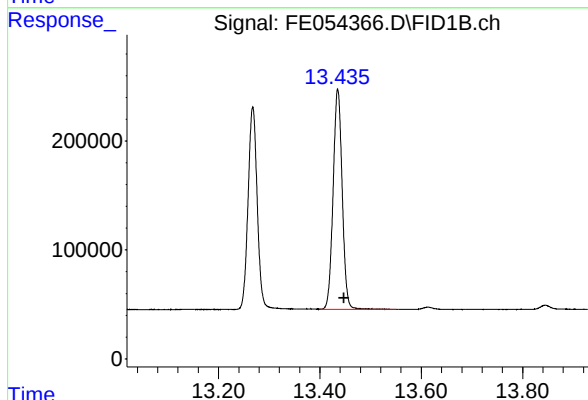
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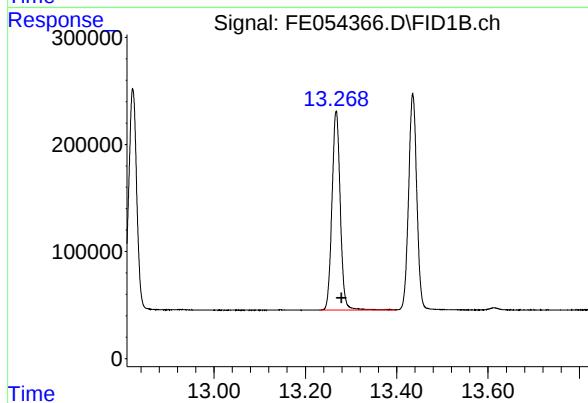
#10 n-Eicosane (C20)

R.T.: 12.822 min
Delta R.T.: -0.012 min
Response: 2512134
Conc: 18.78 ug/ml



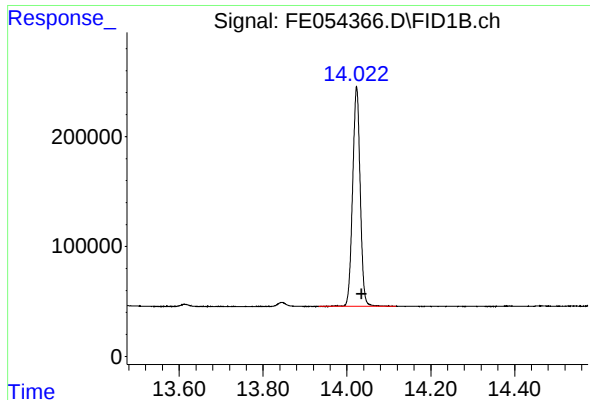
#11 n-Heneicosane (C21)

R.T.: 13.435 min
Delta R.T.: -0.012 min
Response: 2523789
Conc: 18.98 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.268 min
Delta R.T.: -0.012 min
Response: 2346629
Conc: 19.24 ug/ml



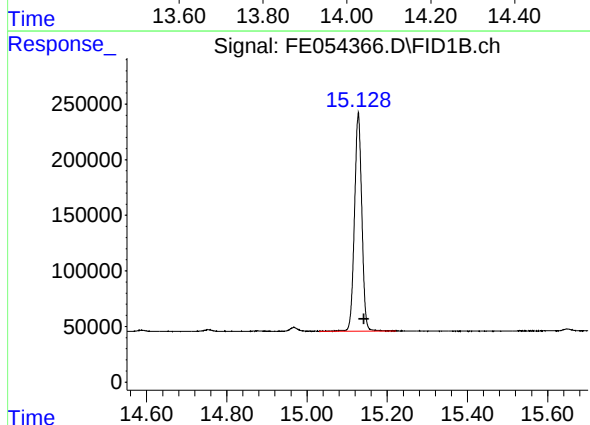
#13 n-Docosane (C22)

R.T.: 14.023 min
Delta R.T.: -0.012 min
Response: 2500869
Conc: 19.07 ug/ml

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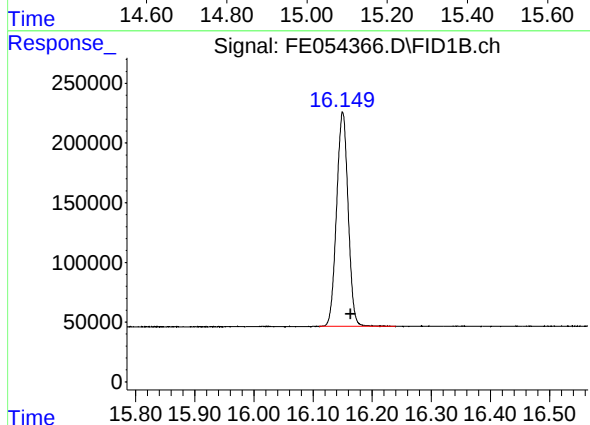
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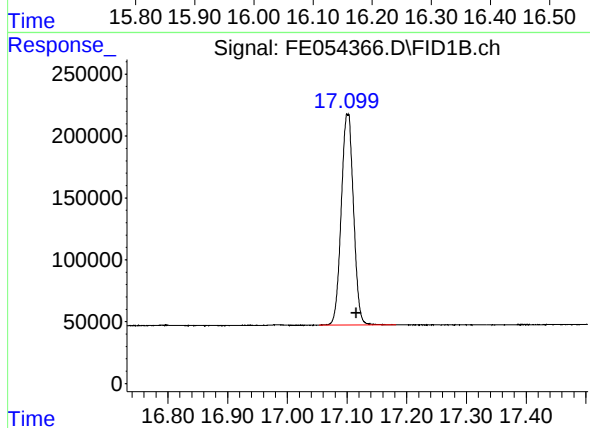
#14 n-Tetracosane (C24)

R.T.: 15.128 min
Delta R.T.: -0.014 min
Response: 2486444
Conc: 19.28 ug/ml



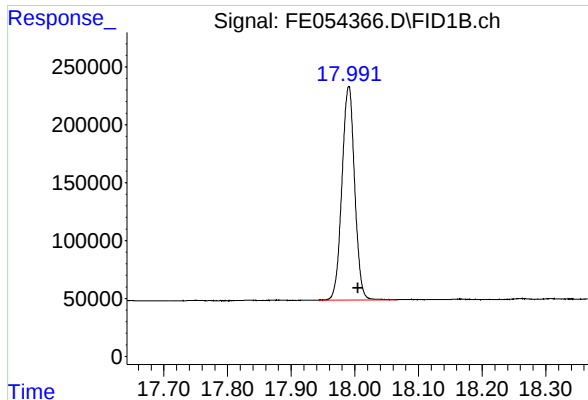
#15 n-Hexacosane (C26)

R.T.: 16.150 min
Delta R.T.: -0.014 min
Response: 2432560
Conc: 19.38 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.099 min
Delta R.T.: -0.016 min
Response: 2430434
Conc: 19.82 ug/ml m



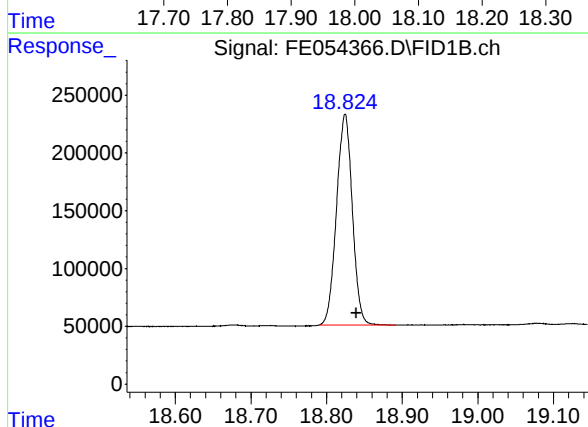
#17 n-Tricontane (C30)

R.T.: 17.991 min
Delta R.T.: -0.014 min
Response: 2563876
Conc: 20.69 ug/ml

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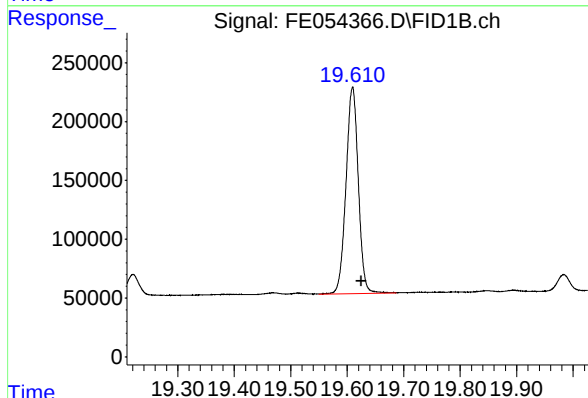
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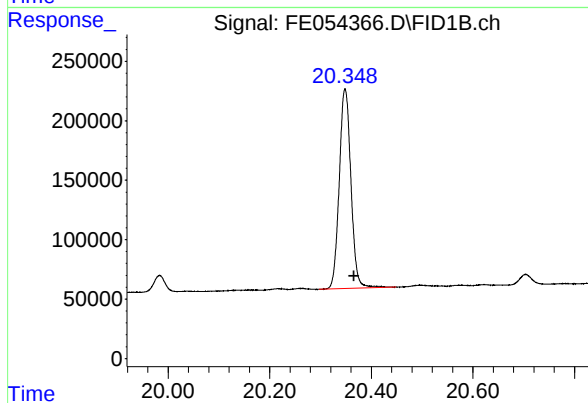
#18 n-Dotriacontane (C32)

R.T.: 18.824 min
Delta R.T.: -0.015 min
Response: 2655769
Conc: 21.14 ug/ml



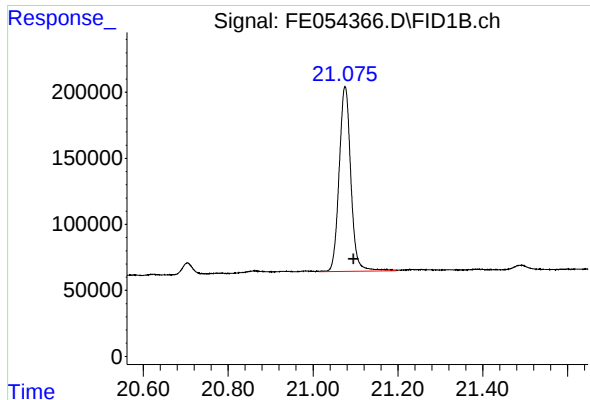
#19 n-Tetatriacontane (C34)

R.T.: 19.610 min
Delta R.T.: -0.015 min
Response: 2657350
Conc: 21.36 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.348 min
Delta R.T.: -0.018 min
Response: 2685675
Conc: 20.86 ug/ml m



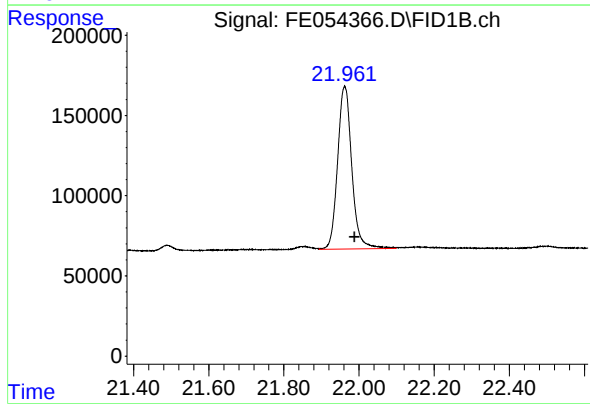
#21 n-Octatriacontane (C38)

R.T.: 21.075 min
Delta R.T.: -0.021 min
Response: 2674088
Conc: 20.25 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.961 min
Delta R.T.: -0.027 min
Response: 2648619
Conc: 19.66 ug/ml m