

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062025AL\
 Data File : FE054532.D
 Signal(s) : FID1B.ch
 Acq On : 20 Jun 2025 21:54
 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 06/23/2025
 Supervised By :mohammad ahmed 06/24/2025

Integration File: autoint1.e
 Quant Time: Jun 20 23:26:53 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)	11.820	2771634	16.774 ug/ml
Spiked Amount 50.000		Recovery =	33.55%
12) S 1-chlorooctadecane (S...	13.264	2067711	16.956 ug/ml
Spiked Amount 50.000		Recovery =	33.91%
Target Compounds			
1) T n-Nonane (C9)	3.170	1997306	16.084 ug/ml
2) T n-Decane (C10)	4.433	2046443	16.470 ug/ml
3) T A~Naphthalene (C11.7)	6.149	2222994	16.449 ug/ml
4) T n-Dodecane (C12)	6.614	2107871	16.554 ug/ml
5) T A~2-methylnaphthalene...	7.250	2291024	17.297 ug/mlm
6) T n-Tetradecane (C14)	8.449	2132443	16.471 ug/ml
7) T n-Hexadecane (C16)	10.060	2197912	16.546 ug/ml
8) T n-Octadecane (C18)	11.507	2252532	16.681 ug/ml
10) T n-Eicosane (C20)	12.819	2248426	16.807 ug/ml
11) T n-Heneicosane (C21)	13.432	2240020	16.846 ug/ml
13) T n-Docosane (C22)	14.019	2233900	17.037 ug/ml
14) T n-Tetracosane (C24)	15.124	2232787	17.309 ug/ml
15) T n-Hexacosane (C26)	16.147	2194641	17.483 ug/ml
16) T n-Octacosane (C28)	17.099	2255801	18.395 ug/mlm
17) T n-Tricontane (C30)	17.987	2469053	19.921 ug/mlm
18) T n-Dotriacontane (C32)	18.819	2578496	20.522 ug/mlm
19) T n-Tetratriacontane (C34)	19.606	2495157	20.056 ug/mlm
20) T n-Hexatriacontane (C36)	20.347	2507052	19.475 ug/mlm
21) T n-Octatriacontane (C38)	21.072	2478304	18.769 ug/mlm
22) T n-Tetracontane (C40)	21.960	2480866	18.417 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

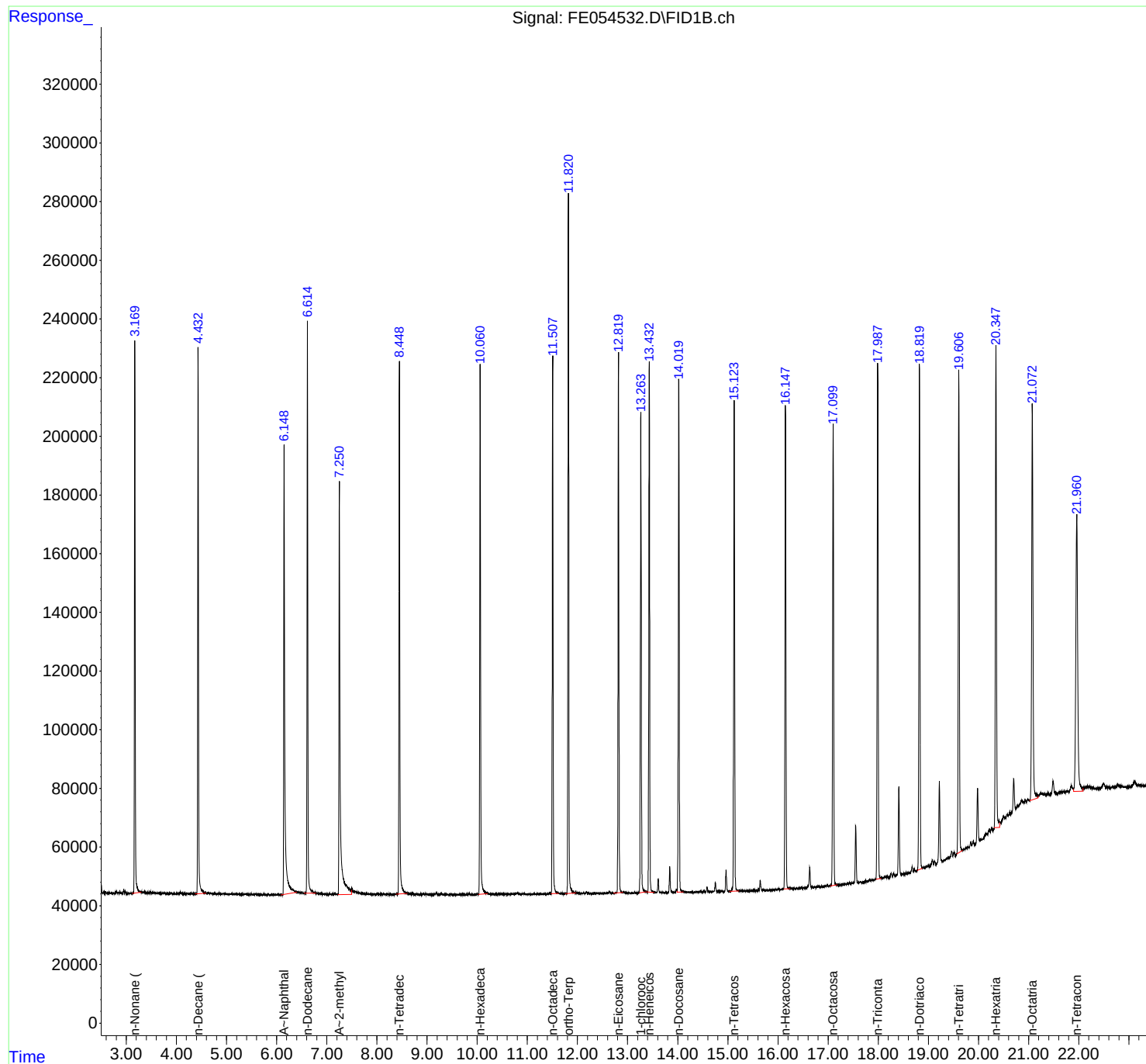
Instrument :
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20 PPM ALIPHATIC HC STD

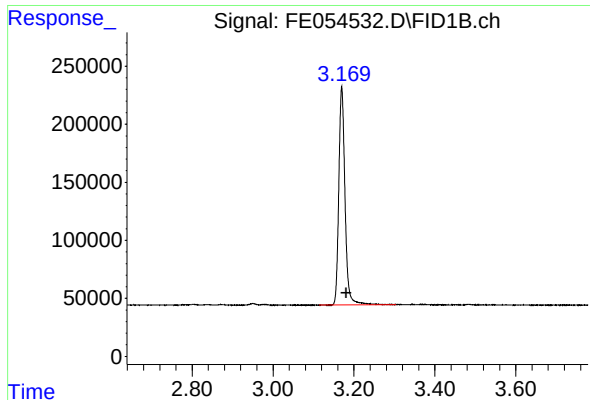
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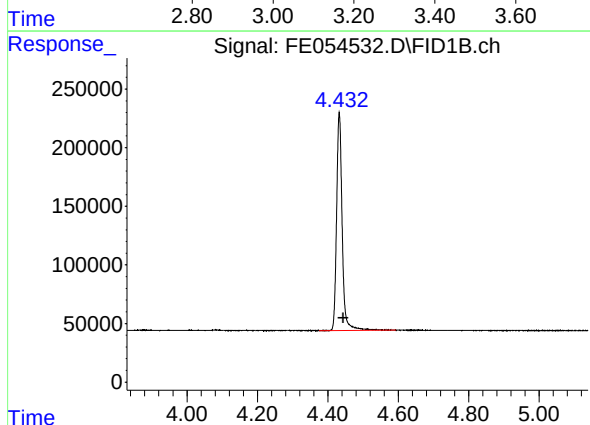
#1 n-Nonane (C9)

R.T.: 3.170 min
Delta R.T.: -0.011 min
Response: 1997306
Conc: 16.08 ug/ml

Instrument :
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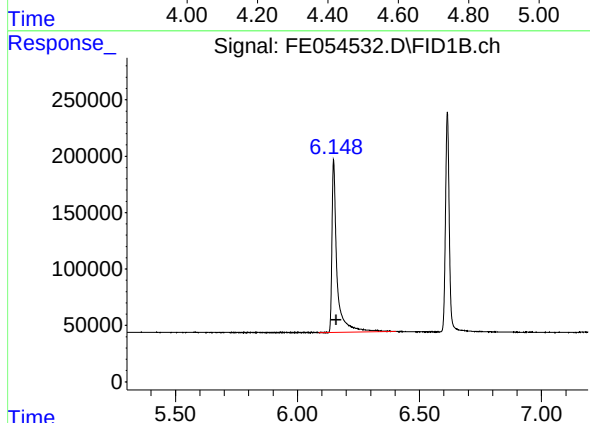
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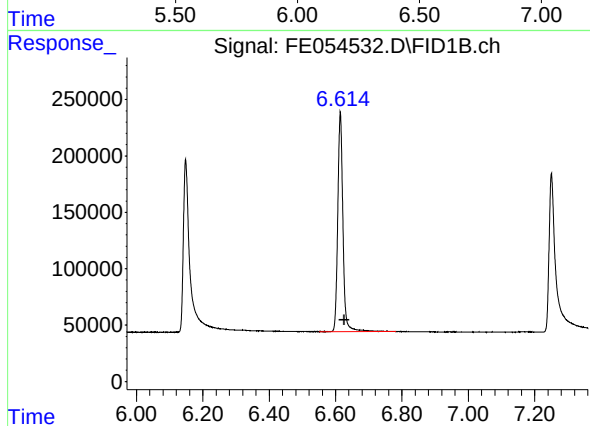
#2 n-Decane (C10)

R.T.: 4.433 min
Delta R.T.: -0.012 min
Response: 2046443
Conc: 16.47 ug/ml



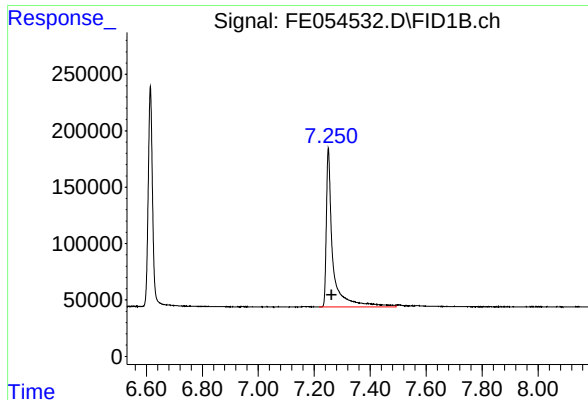
#3 A~Naphthalene (C11.7)

R.T.: 6.149 min
Delta R.T.: -0.012 min
Response: 2222994
Conc: 16.45 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.614 min
Delta R.T.: -0.012 min
Response: 2107871
Conc: 16.55 ug/ml



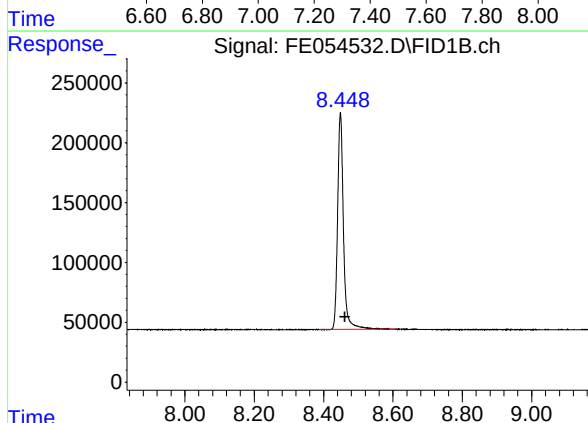
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.250 min
Delta R.T.: -0.012 min
Response: 2291024
Conc: 17.30 ug/ml

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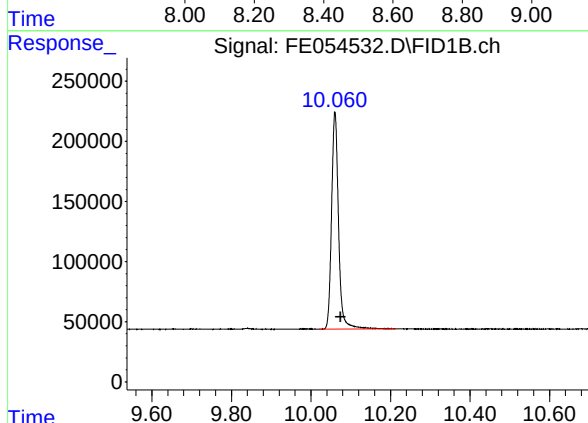
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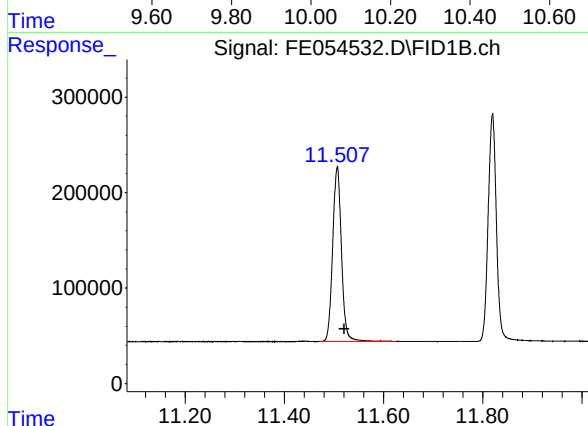
#6 n-Tetradecane (C14)

R.T.: 8.449 min
Delta R.T.: -0.013 min
Response: 2132443
Conc: 16.47 ug/ml



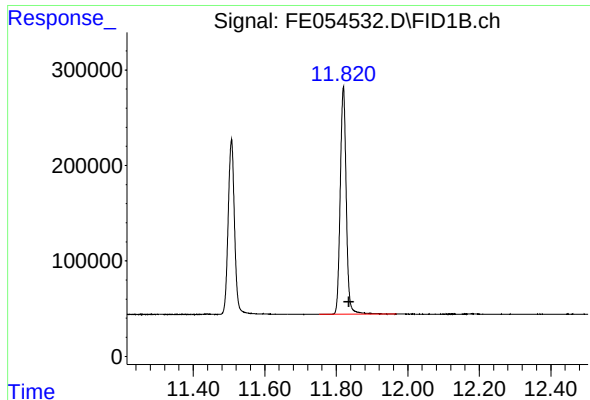
#7 n-Hexadecane (C16)

R.T.: 10.060 min
Delta R.T.: -0.014 min
Response: 2197912
Conc: 16.55 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.507 min
Delta R.T.: -0.014 min
Response: 2252532
Conc: 16.68 ug/ml



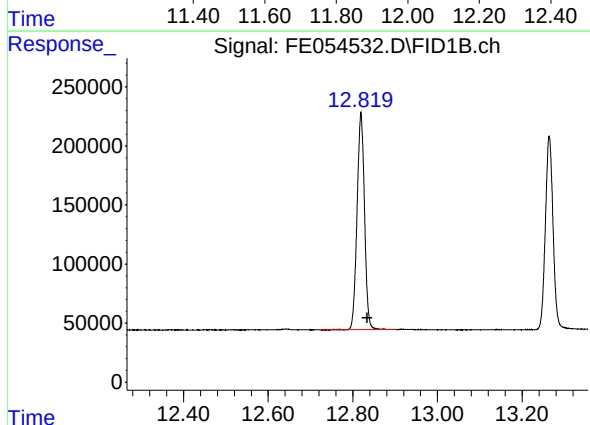
#9 ortho-Terphenyl (SURR)

R.T.: 11.820 min
Delta R.T.: -0.015 min
Response: 2771634
Conc: 16.77 ug/ml

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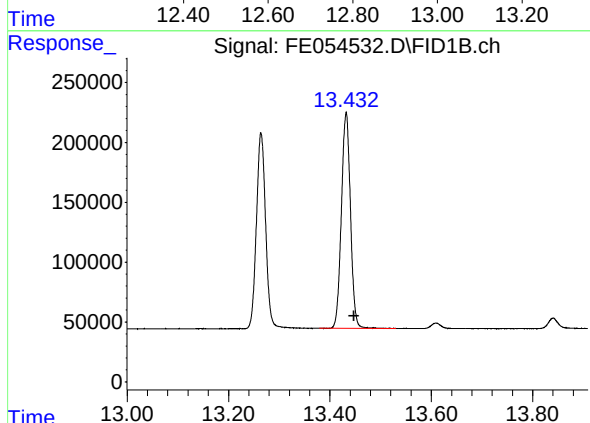
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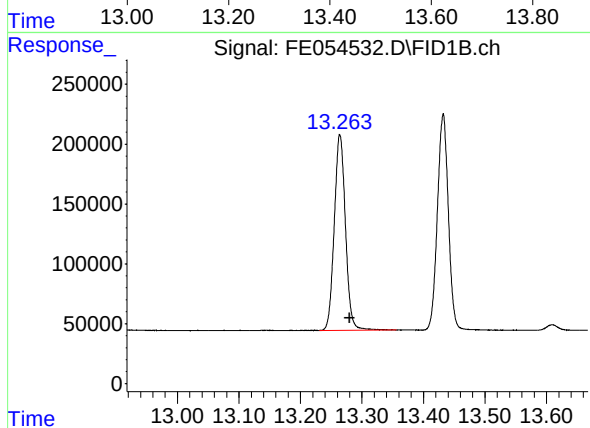
#10 n-Eicosane (C20)

R.T.: 12.819 min
Delta R.T.: -0.015 min
Response: 2248426
Conc: 16.81 ug/ml



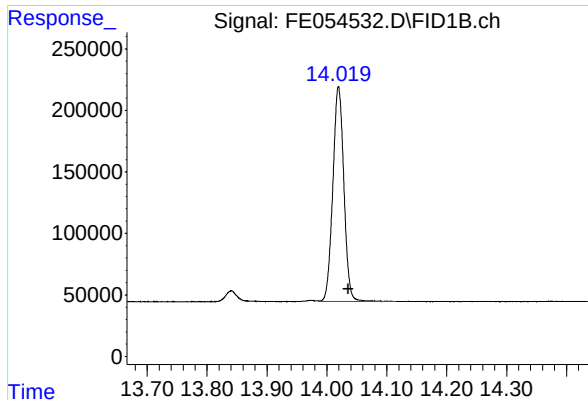
#11 n-Heneicosane (C21)

R.T.: 13.432 min
Delta R.T.: -0.016 min
Response: 2240020
Conc: 16.85 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.264 min
Delta R.T.: -0.015 min
Response: 2067711
Conc: 16.96 ug/ml



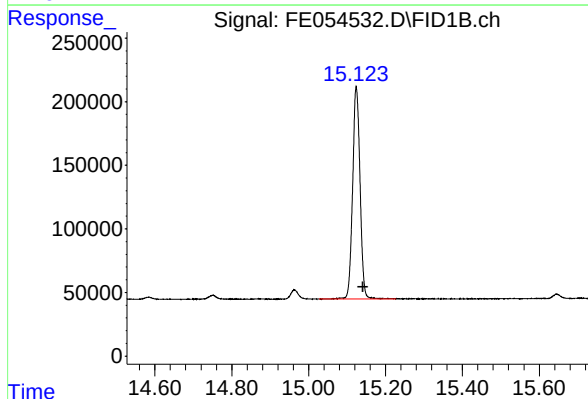
#13 n-Docosane (C22)

R.T.: 14.019 min
Delta R.T.: -0.016 min
Response: 2233900
Conc: 17.04 ug/ml

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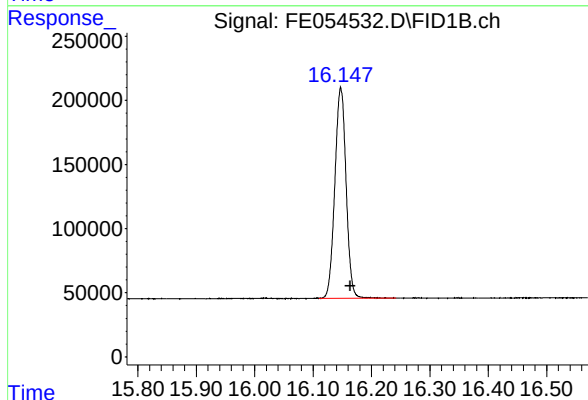
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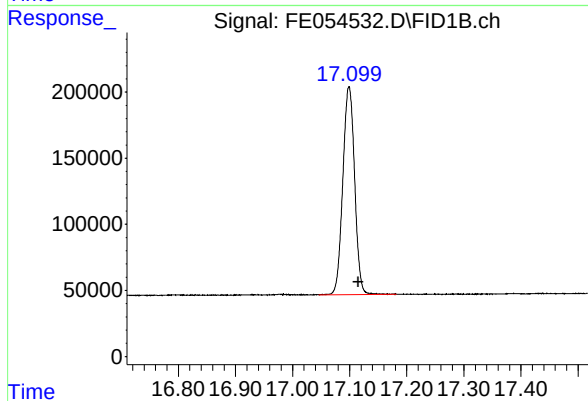
#14 n-Tetracosane (C24)

R.T.: 15.124 min
Delta R.T.: -0.017 min
Response: 2232787
Conc: 17.31 ug/ml



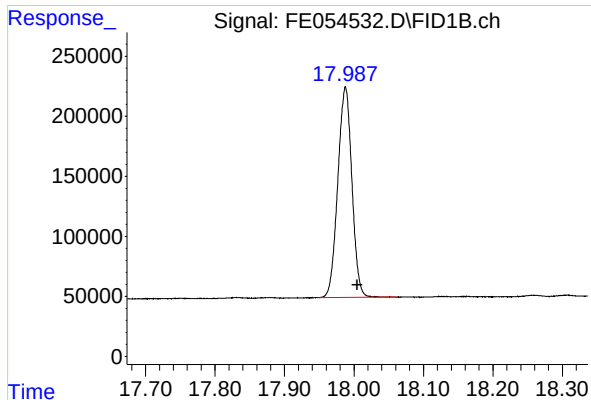
#15 n-Hexacosane (C26)

R.T.: 16.147 min
Delta R.T.: -0.017 min
Response: 2194641
Conc: 17.48 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.099 min
Delta R.T.: -0.016 min
Response: 2255801
Conc: 18.40 ug/ml m



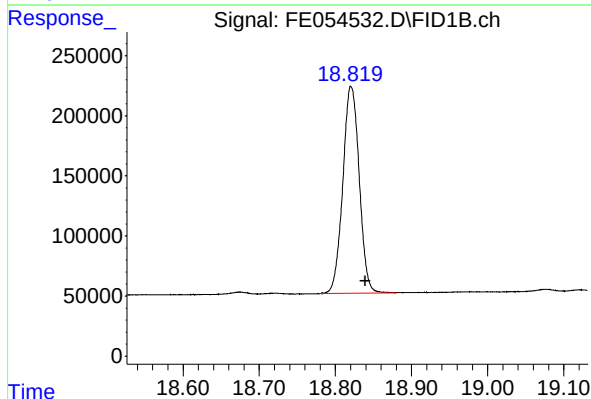
#17 n-Tricontane (C30)

R.T.: 17.987 min
Delta R.T.: -0.018 min
Response: 2469053
Conc: 19.92 ug/ml

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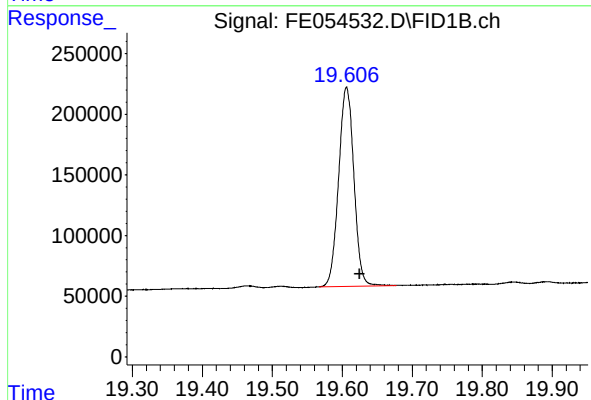
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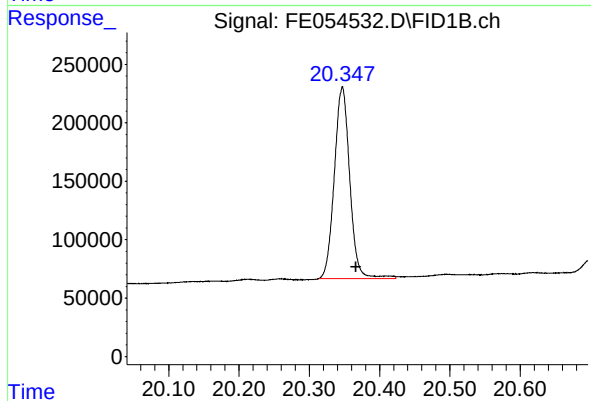
#18 n-Dotriacontane (C32)

R.T.: 18.819 min
Delta R.T.: -0.020 min
Response: 2578496
Conc: 20.52 ug/ml m



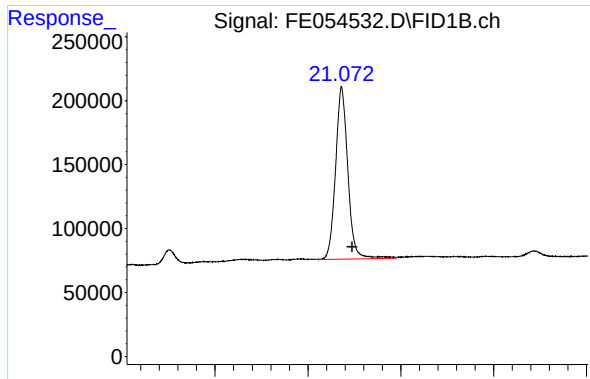
#19 n-Tetatriacontane (C34)

R.T.: 19.606 min
Delta R.T.: -0.019 min
Response: 2495157
Conc: 20.06 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.347 min
Delta R.T.: -0.019 min
Response: 2507052
Conc: 19.48 ug/ml m



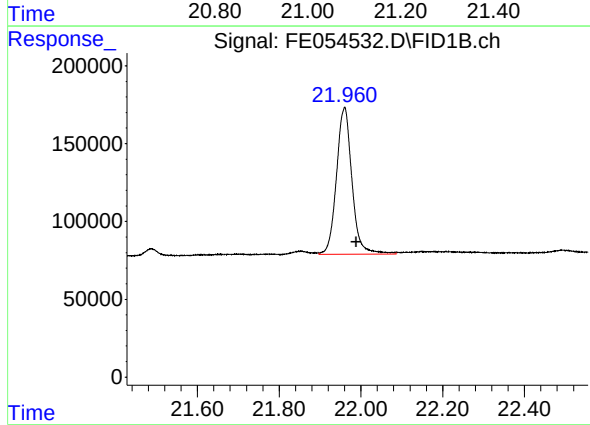
#21 n-Octatriacontane (C38)

R.T.: 21.072 min
Delta R.T.: -0.023 min
Response: 2478304
Conc: 18.77 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.960 min
Delta R.T.: -0.028 min
Response: 2480866
Conc: 18.42 ug/ml m