

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE052725AL\
 Data File : FE054014.D
 Signal(s) : FID1B.ch
 Acq On : 27 May 2025 09:34
 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 05/28/2025
 Supervised By :mohammad ahmed 05/29/2025

Integration File: autoint1.e
 Quant Time: May 27 11:36:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051425.M
 Quant Title : GC Extractables
 QLast Update : Wed May 14 12:15:41 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)	11.852	3735093	22.983 ug/ml
Spiked Amount 50.000		Recovery =	45.97%
12) S 1-chlorooctadecane (S...	13.297	2678341	22.593 ug/ml
Spiked Amount 50.000		Recovery =	45.19%
Target Compounds			
1) T n-Nonane (C9)	3.194	2736341	20.246 ug/ml
2) T n-Decane (C10)	4.458	2800925	20.727 ug/ml
3) T A~Naphthalene (C11.7)	6.174	3128608	21.770 ug/ml
4) T n-Dodecane (C12)	6.641	2892526	21.205 ug/ml
5) T A~2-methylnaphthalene...	7.277	3112597	22.440 ug/ml
6) T n-Tetradecane (C14)	8.476	2946059	21.831 ug/ml
7) T n-Hexadecane (C16)	10.089	3024621	22.416 ug/ml
8) T n-Octadecane (C18)	11.537	3065334	22.764 ug/ml
10) T n-Eicosane (C20)	12.851	3014535	22.937 ug/ml
11) T n-Heneicosane (C21)	13.464	2990263	23.065 ug/ml
13) T n-Docosane (C22)	14.052	2957324	23.181 ug/ml
14) T n-Tetracosane (C24)	15.158	2923800	23.369 ug/ml
15) T n-Hexacosane (C26)	16.182	2857949	23.339 ug/ml
16) T n-Octacosane (C28)	17.134	2801696	23.047 ug/ml
17) T n-Tricontane (C30)	18.024	2820473	22.643 ug/ml
18) T n-Dotriacontane (C32)	18.860	2787336	22.289 ug/ml
19) T n-Tetratriacontane (C34)	19.645	2645117	22.205 ug/ml
20) T n-Hexatriacontane (C36)	20.387	2491466	21.518 ug/ml
21) T n-Octatriacontane (C38)	21.120	2662044	24.462 ug/mlm
22) T n-Tetracontane (C40)	22.020	2475761	24.950 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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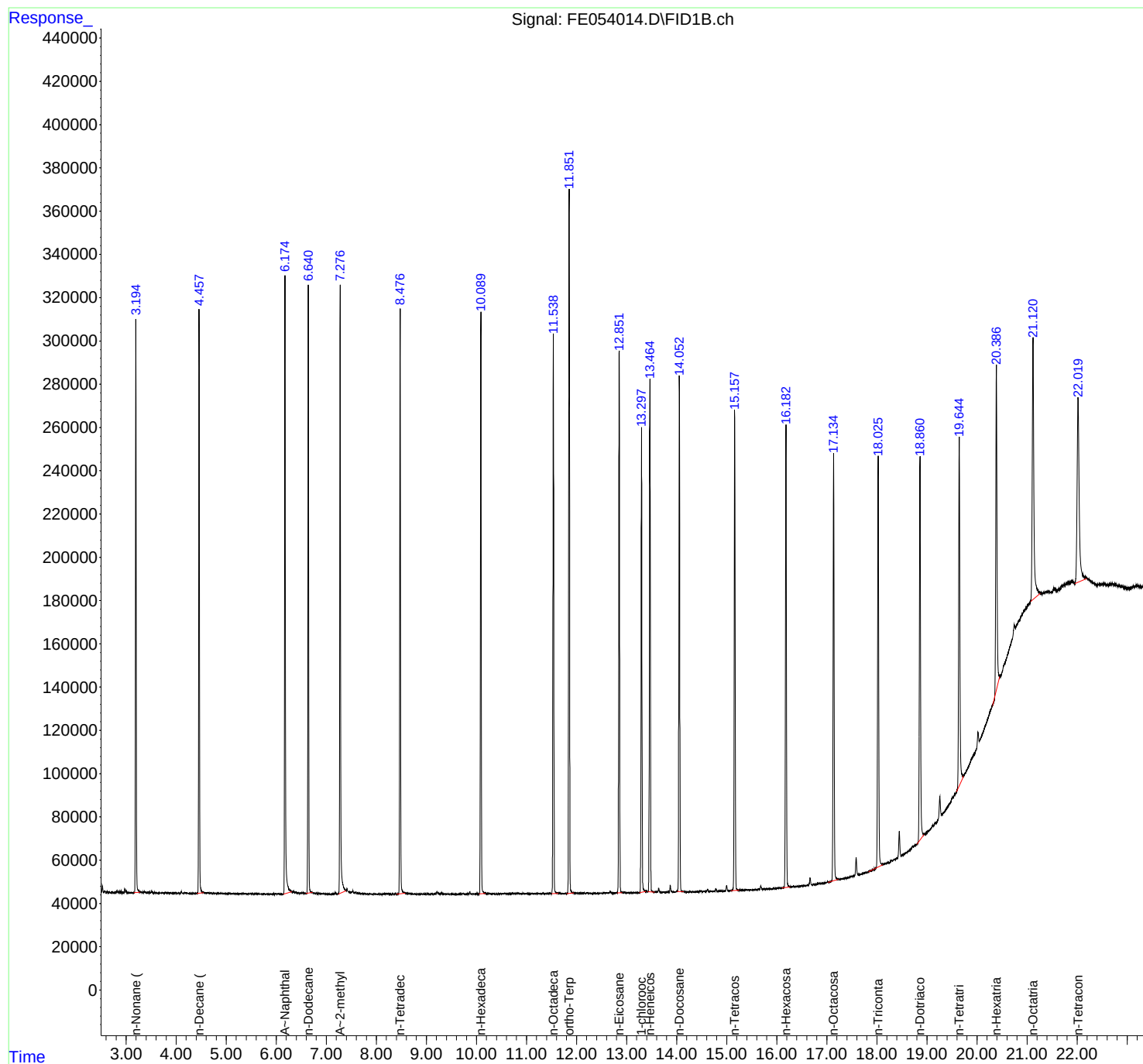
Instrument :
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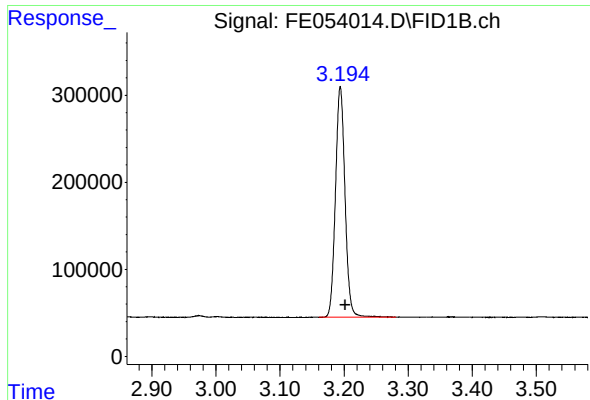
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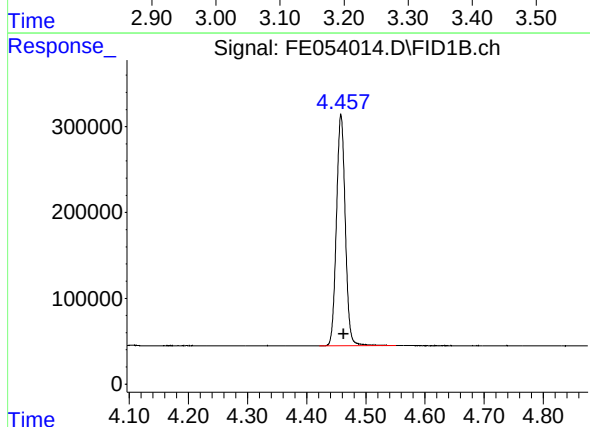
#1 n-Nonane (C9)

R.T.: 3.194 min
Delta R.T.: -0.008 min
Response: 2736341
Conc: 20.25 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

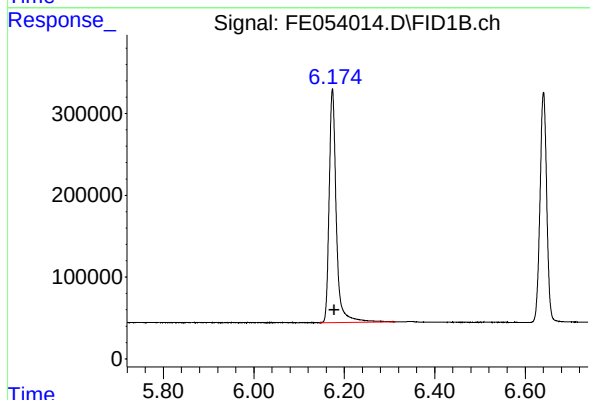
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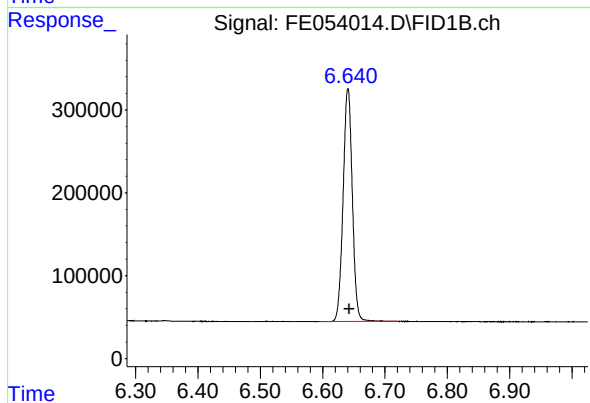
#2 n-Decane (C10)

R.T.: 4.458 min
Delta R.T.: -0.004 min
Response: 2800925
Conc: 20.73 ug/ml



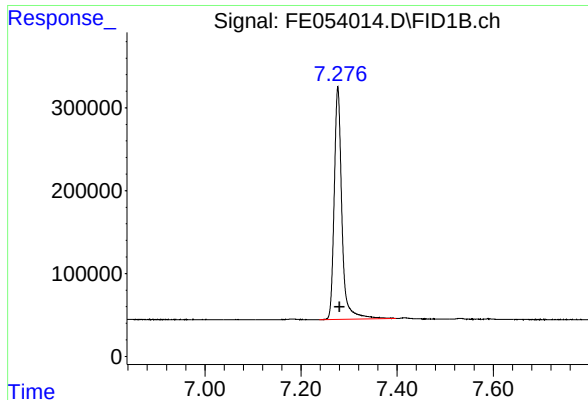
#3 A~Naphthalene (C11.7)

R.T.: 6.174 min
Delta R.T.: -0.004 min
Response: 3128608
Conc: 21.77 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.641 min
Delta R.T.: -0.002 min
Response: 2892526
Conc: 21.21 ug/ml



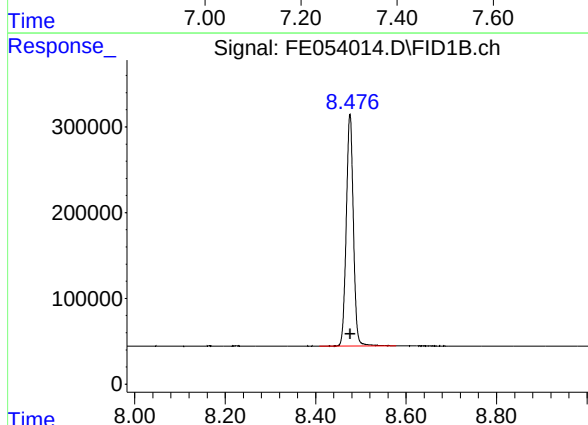
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.277 min
Delta R.T.: -0.004 min
Response: 3112597
Conc: 22.44 ug/ml

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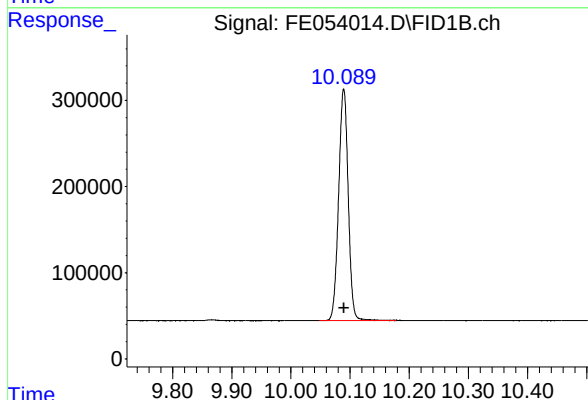
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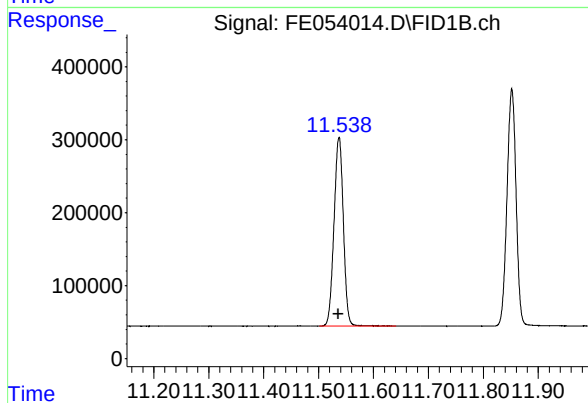
#6 n-Tetradecane (C14)

R.T.: 8.476 min
Delta R.T.: -0.001 min
Response: 2946059
Conc: 21.83 ug/ml



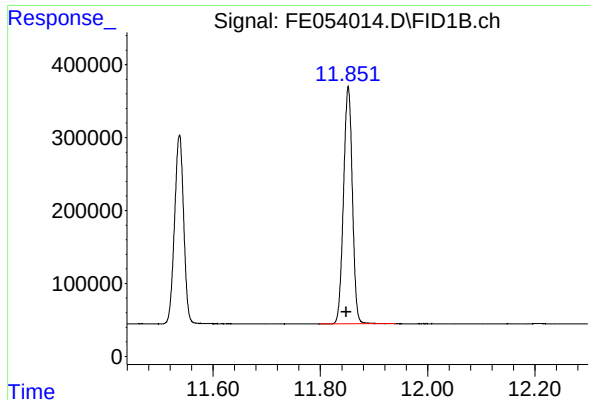
#7 n-Hexadecane (C16)

R.T.: 10.089 min
Delta R.T.: 0.000 min
Response: 3024621
Conc: 22.42 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.537 min
Delta R.T.: 0.001 min
Response: 3065334
Conc: 22.76 ug/ml



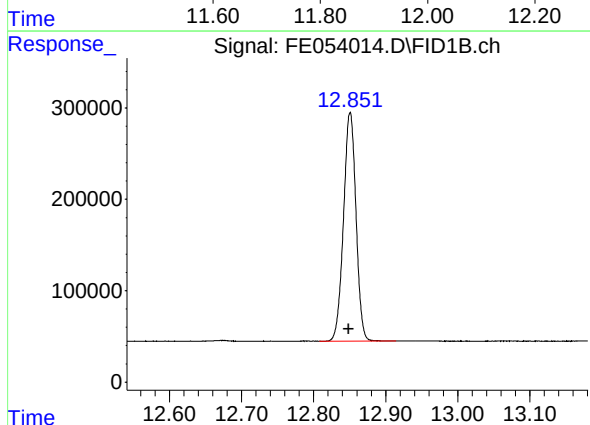
#9 ortho-Terphenyl (SURR)

R.T.: 11.852 min
Delta R.T.: 0.003 min
Response: 3735093
Conc: 22.98 ug/ml

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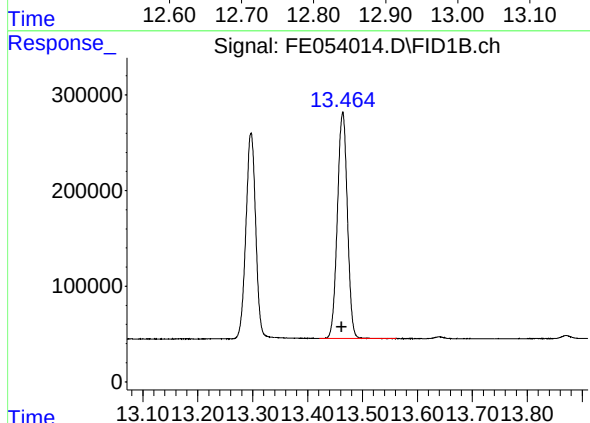
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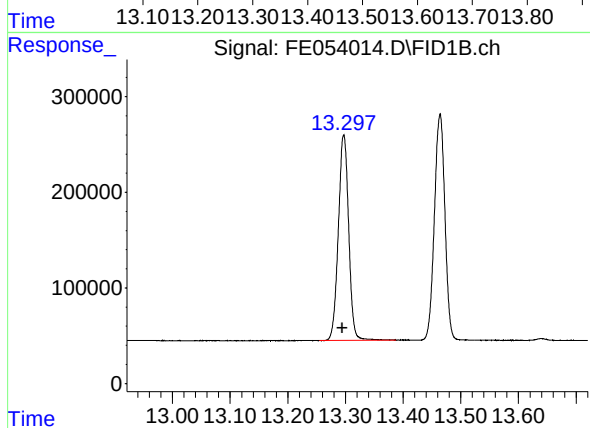
#10 n-Eicosane (C20)

R.T.: 12.851 min
Delta R.T.: 0.002 min
Response: 3014535
Conc: 22.94 ug/ml



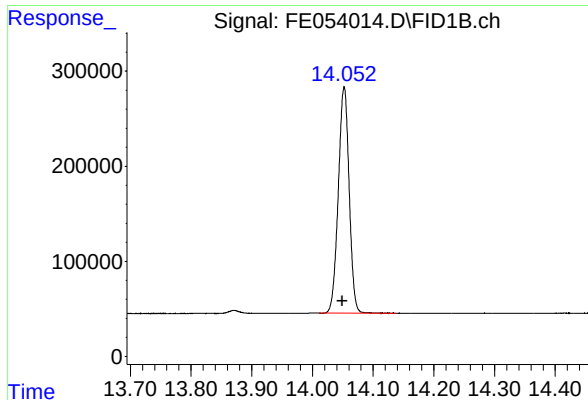
#11 n-Heneicosane (C21)

R.T.: 13.464 min
Delta R.T.: 0.001 min
Response: 2990263
Conc: 23.07 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.297 min
Delta R.T.: 0.002 min
Response: 2678341
Conc: 22.59 ug/ml



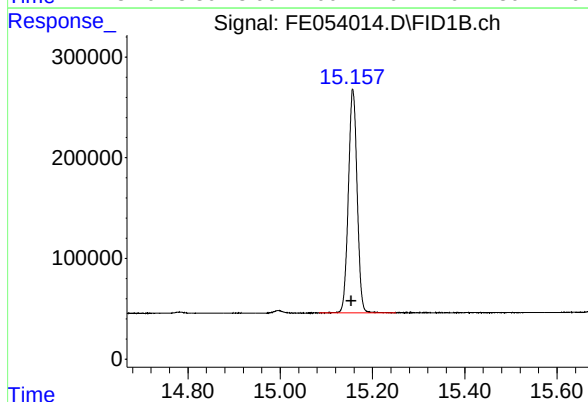
#13 n-Docosane (C22)

R.T.: 14.052 min
Delta R.T.: 0.003 min
Response: 2957324
Conc: 23.18 ug/ml

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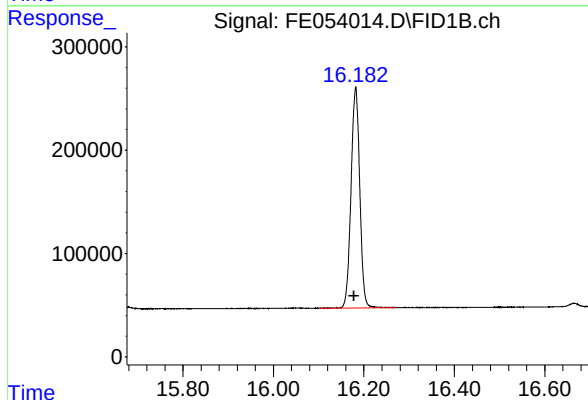
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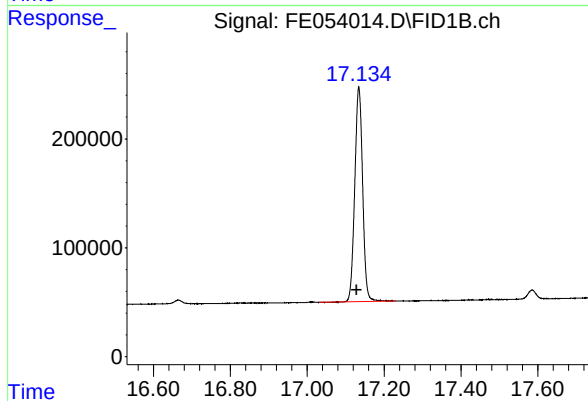
#14 n-Tetracosane (C24)

R.T.: 15.158 min
Delta R.T.: 0.003 min
Response: 2923800
Conc: 23.37 ug/ml



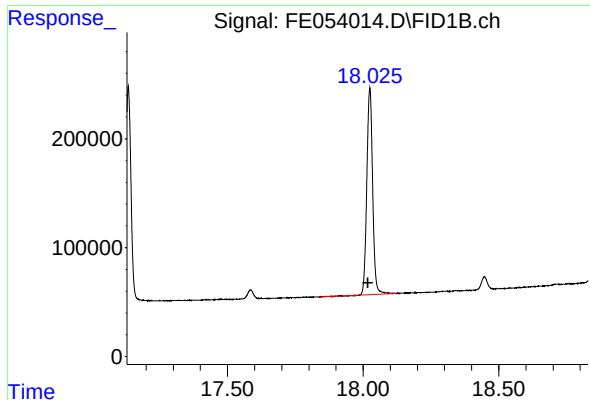
#15 n-Hexacosane (C26)

R.T.: 16.182 min
Delta R.T.: 0.004 min
Response: 2857949
Conc: 23.34 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.134 min
Delta R.T.: 0.006 min
Response: 2801696
Conc: 23.05 ug/ml



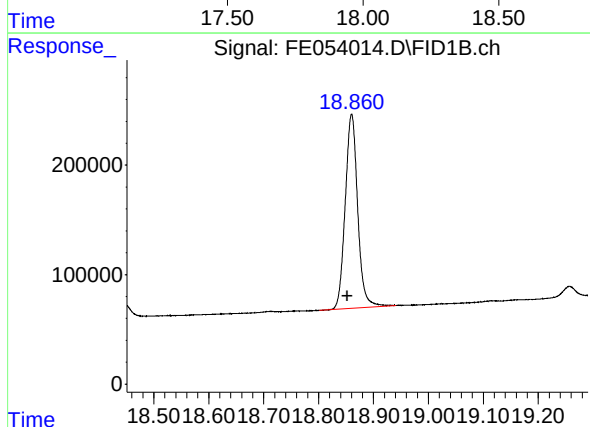
#17 n-Tricontane (C30)

R.T.: 18.024 min
Delta R.T.: 0.006 min
Response: 2820473
Conc: 22.64 ug/ml

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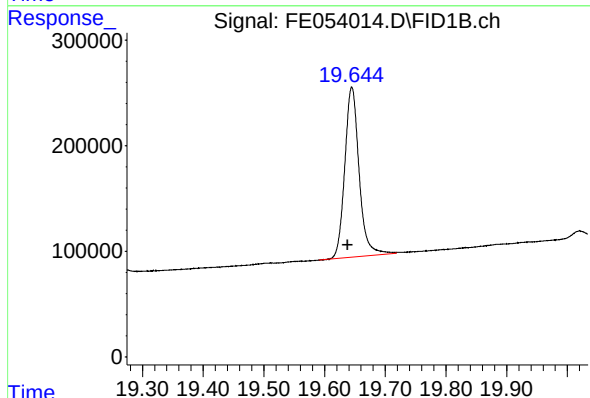
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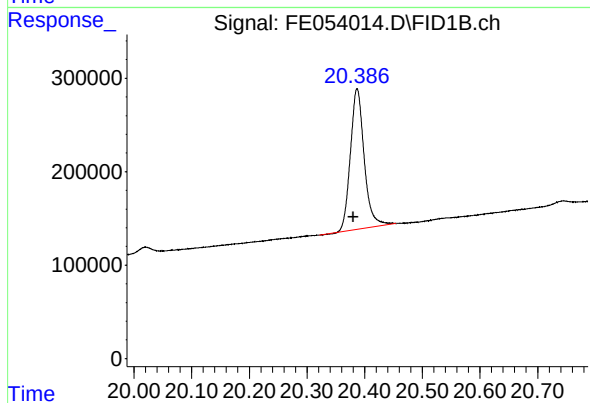
#18 n-Dotriacontane (C32)

R.T.: 18.860 min
Delta R.T.: 0.008 min
Response: 2787336
Conc: 22.29 ug/ml



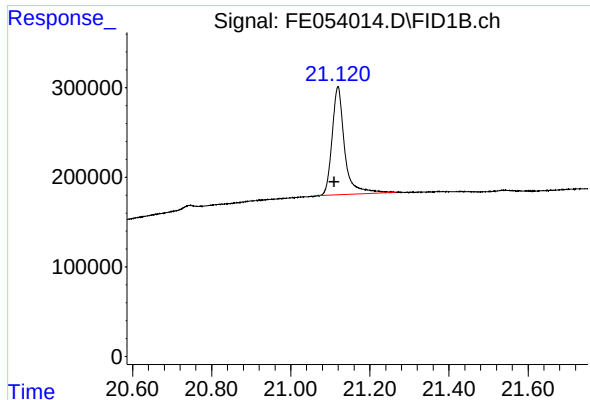
#19 n-Tetatriacontane (C34)

R.T.: 19.645 min
Delta R.T.: 0.007 min
Response: 2645117
Conc: 22.21 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.387 min
Delta R.T.: 0.007 min
Response: 2491466
Conc: 21.52 ug/ml



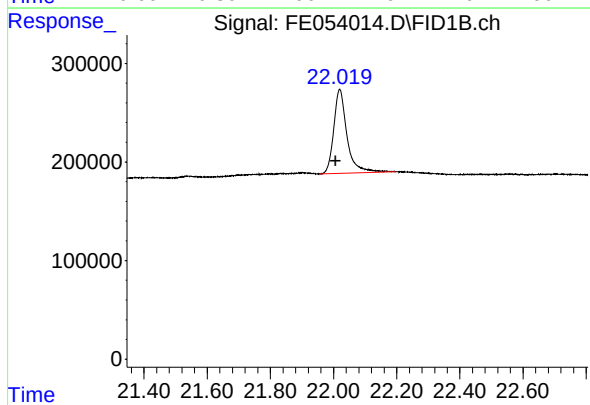
#21 n-Octatriacontane (C38)

R.T.: 21.120 min
Delta R.T.: 0.009 min
Response: 2662044
Conc: 24.46 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.020 min
Delta R.T.: 0.013 min
Response: 2475761
Conc: 24.95 ug/ml