

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062725AL\
 Data File : FE054624.D
 Signal(s) : FID1B.ch
 Acq On : 27 Jun 2025 22:57
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/30/2025
 Supervised By :mohammad ahmed 06/30/2025

Integration File: autoint1.e
 Quant Time: Jun 28 02:06:17 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062725.M
 Quant Title : GC Extractables
 Qlast Update : Fri Jun 27 15:19:13 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)	12.065	2996248	18.451 ug/ml
Spiked Amount 50.000		Recovery =	36.90%
12) S 1-chlorooctadecane (S...	13.500	2305699	18.257 ug/ml
Spiked Amount 50.000		Recovery =	36.51%
Target Compounds			
1) T n-Nonane (C9)	3.418	2485025	18.475 ug/ml
2) T n-Decane (C10)	4.673	2534992	18.578 ug/ml
3) T A~Naphthalene (C11.7)	6.384	2820696	18.629 ug/ml
4) T n-Dodecane (C12)	6.845	2569982	18.731 ug/ml
5) T A~2-methylnaphthalene...	7.483	2751372	18.716 ug/ml
6) T n-Tetradecane (C14)	8.680	2594297	18.714 ug/ml
7) T n-Hexadecane (C16)	10.292	2678180	18.793 ug/ml
8) T n-Octadecane (C18)	11.740	2725504	18.597 ug/ml
10) T n-Eicosane (C20)	13.054	2654372	18.460 ug/ml
11) T n-Heneicosane (C21)	13.667	2608741	18.264 ug/ml
13) T n-Docosane (C22)	14.254	2592263	18.155 ug/ml
14) T n-Tetracosane (C24)	15.360	2595404	17.854 ug/ml
15) T n-Hexacosane (C26)	16.381	2542740	17.571 ug/mlm
16) T n-Octacosane (C28)	17.333	2528986	17.353 ug/ml
17) T n-Tricontane (C30)	18.222	2666043	16.918 ug/ml
18) T n-Dotriacontane (C32)	19.056	2680785	16.570 ug/ml
19) T n-Tetratriacontane (C34)	19.840	2541784	16.679 ug/ml
20) T n-Hexatriacontane (C36)	20.580	2234994	16.623 ug/ml
21) T n-Octatriacontane (C38)	21.354	2015232	17.183 ug/ml
22) T n-Tetracontane (C40)	22.336	1849753	17.067 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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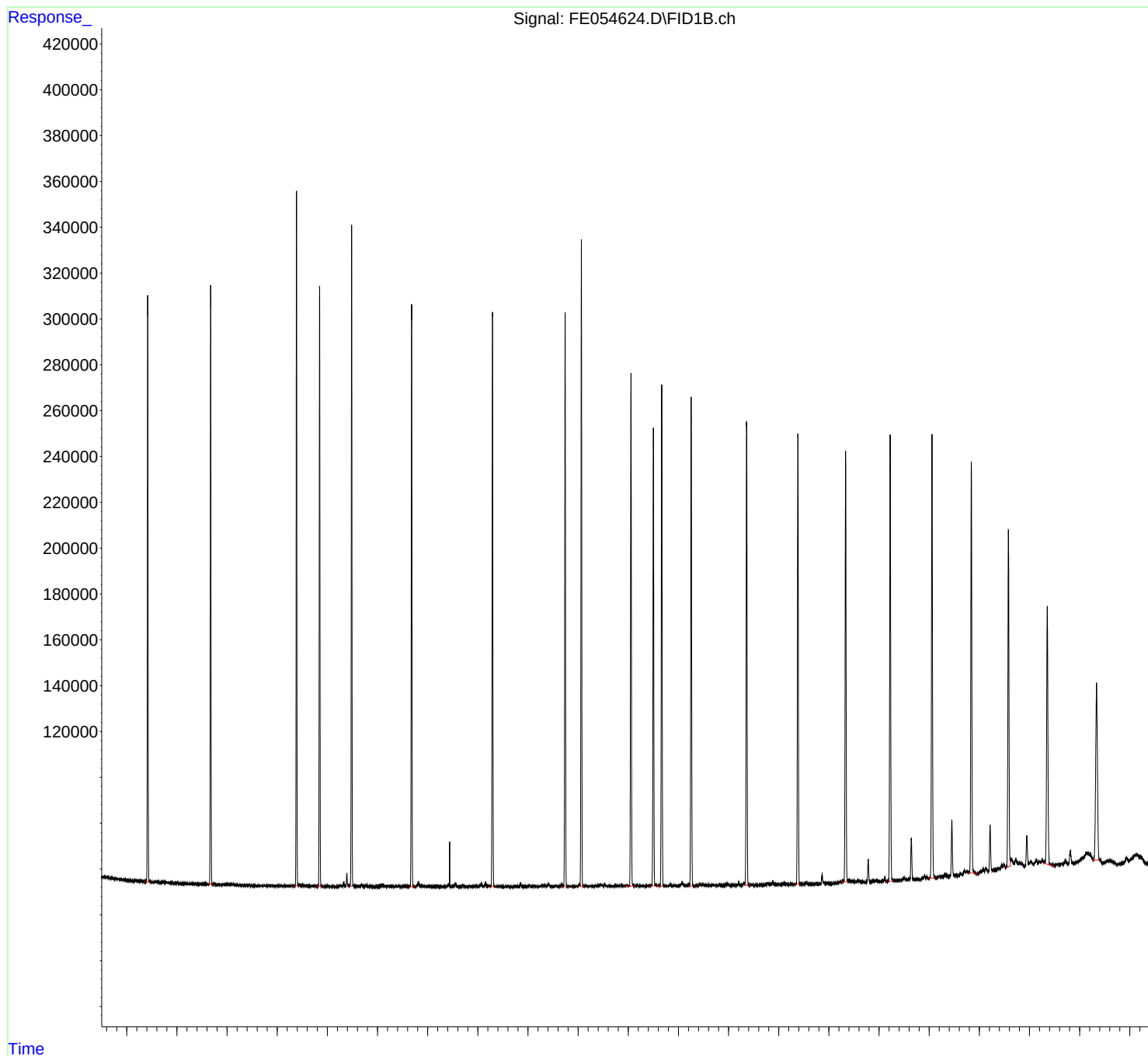
Instrument :
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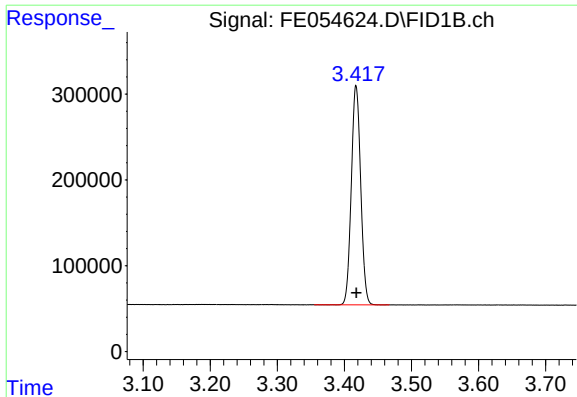
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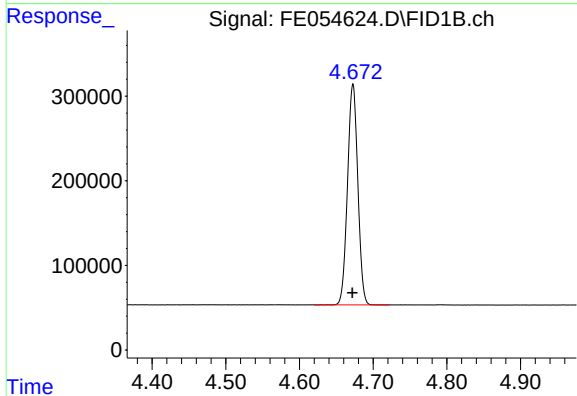
#1 n-Nonane (C9)

R.T.: 3.418 min
Delta R.T.: 0.000 min
Response: 2485025
Conc: 18.47 ug/ml

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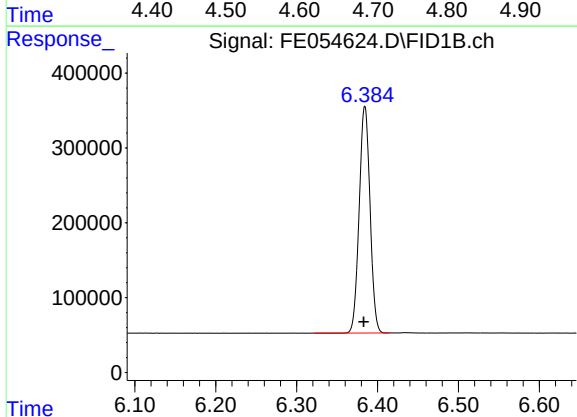
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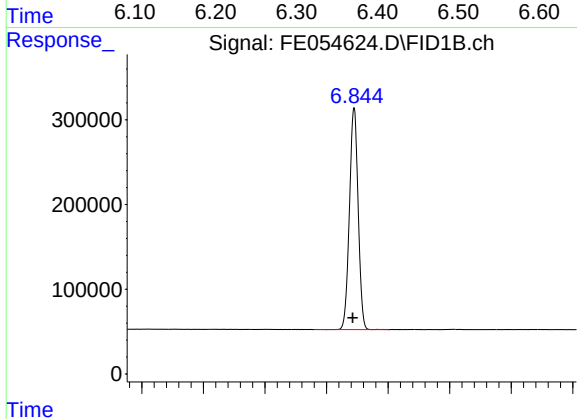
#2 n-Decane (C10)

R.T.: 4.673 min
Delta R.T.: 0.000 min
Response: 2534992
Conc: 18.58 ug/ml



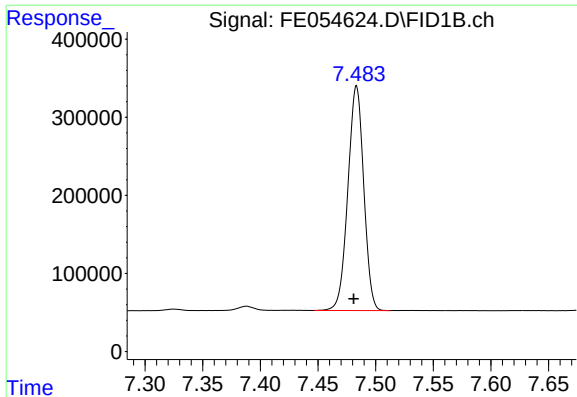
#3 A~Naphthalene (C11.7)

R.T.: 6.384 min
Delta R.T.: 0.001 min
Response: 2820696
Conc: 18.63 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.845 min
Delta R.T.: 0.002 min
Response: 2569982
Conc: 18.73 ug/ml



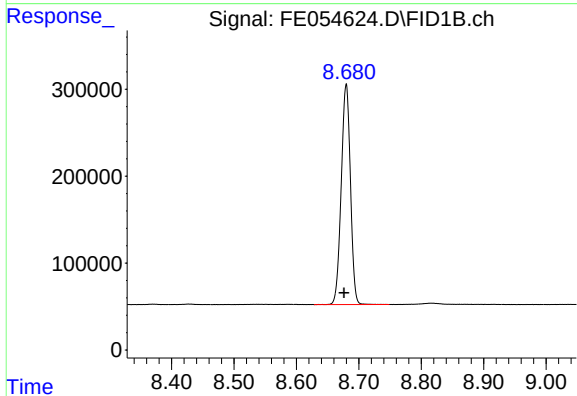
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.483 min
Delta R.T.: 0.002 min
Response: 2751372
Conc: 18.72 ug/ml

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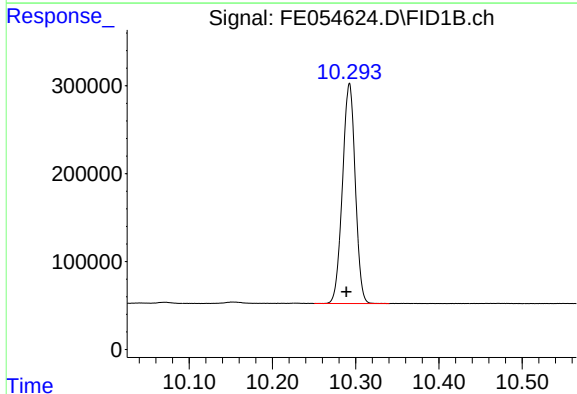
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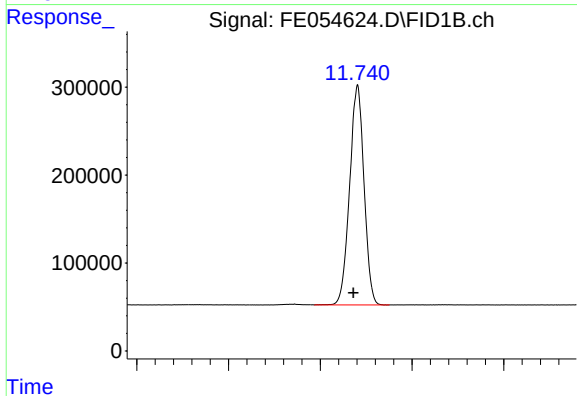
#6 n-Tetradecane (C14)

R.T.: 8.680 min
Delta R.T.: 0.003 min
Response: 2594297
Conc: 18.71 ug/ml



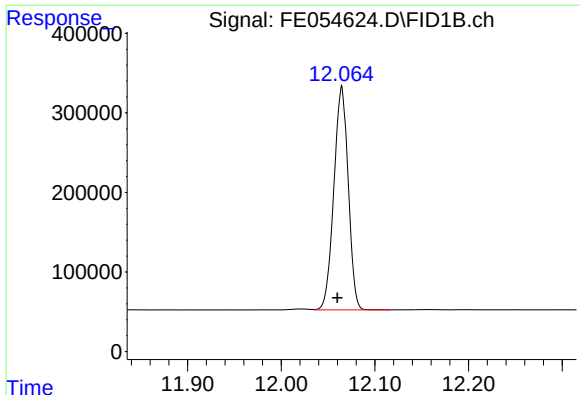
#7 n-Hexadecane (C16)

R.T.: 10.292 min
Delta R.T.: 0.004 min
Response: 2678180
Conc: 18.79 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.740 min
Delta R.T.: 0.004 min
Response: 2725504
Conc: 18.60 ug/ml



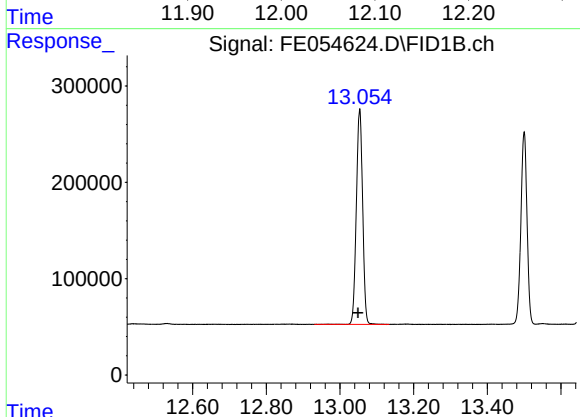
#9 ortho-Terphenyl (SURR)

R.T.: 12.065 min
Delta R.T.: 0.005 min
Response: 2996248
Conc: 18.45 ug/ml

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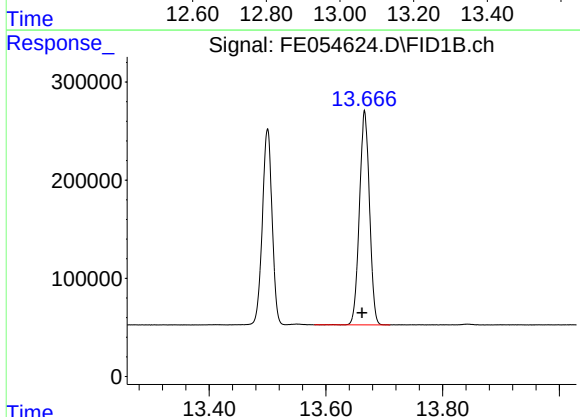
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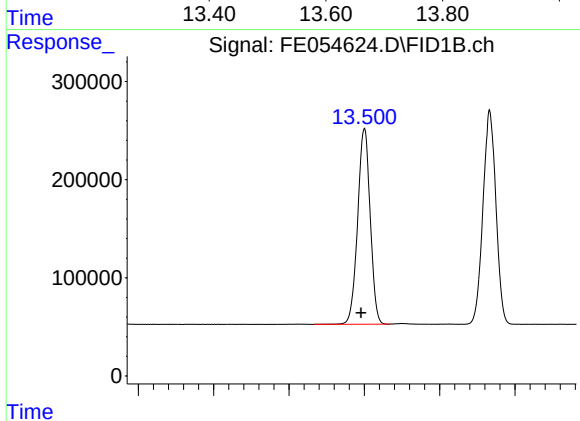
#10 n-Eicosane (C20)

R.T.: 13.054 min
Delta R.T.: 0.004 min
Response: 2654372
Conc: 18.46 ug/ml



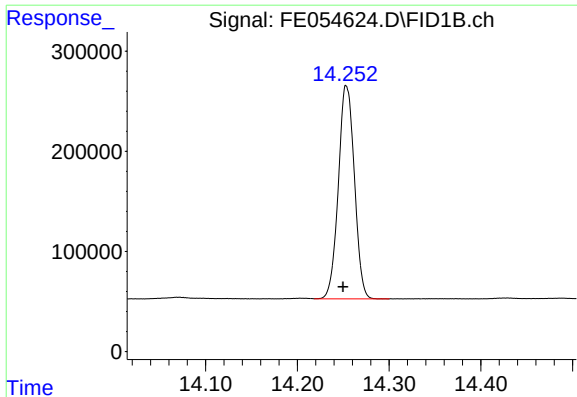
#11 n-Heneicosane (C21)

R.T.: 13.667 min
Delta R.T.: 0.005 min
Response: 2608741
Conc: 18.26 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.500 min
Delta R.T.: 0.005 min
Response: 2305699
Conc: 18.26 ug/ml



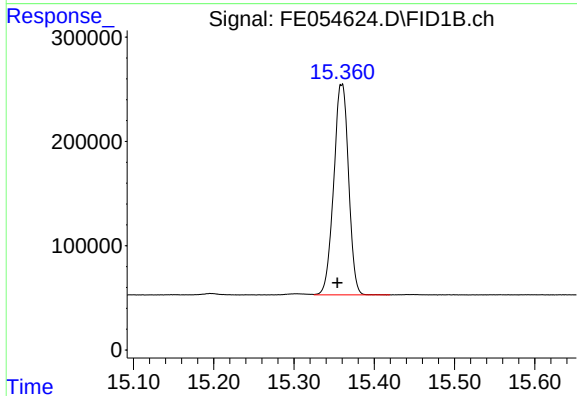
#13 n-Docosane (C22)

R.T.: 14.254 min
Delta R.T.: 0.004 min
Response: 2592263
Conc: 18.15 ug/ml

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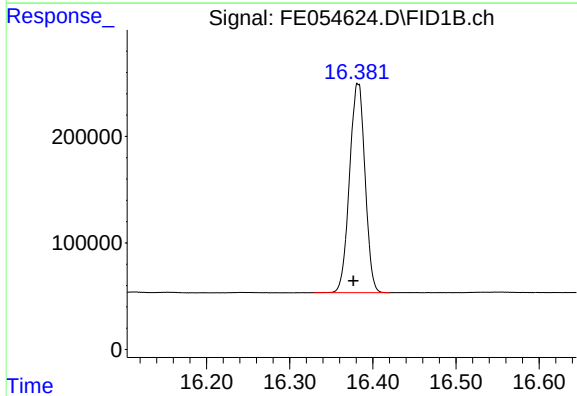
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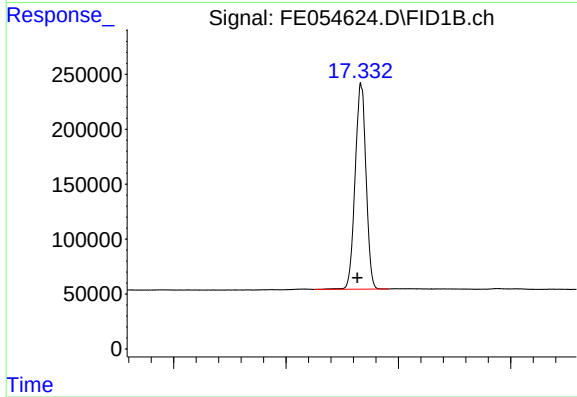
#14 n-Tetracosane (C24)

R.T.: 15.360 min
Delta R.T.: 0.005 min
Response: 2595404
Conc: 17.85 ug/ml



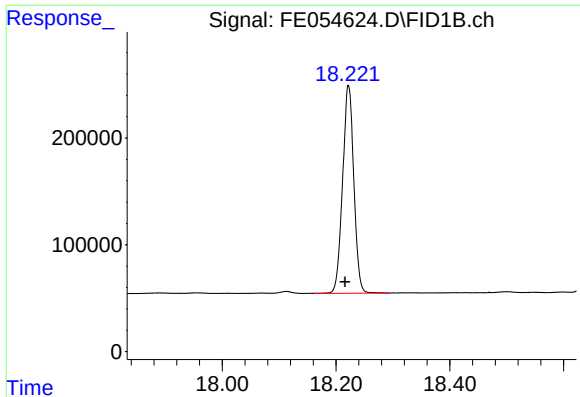
#15 n-Hexacosane (C26)

R.T.: 16.381 min
Delta R.T.: 0.004 min
Response: 2542740
Conc: 17.57 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.333 min
Delta R.T.: 0.006 min
Response: 2528986
Conc: 17.35 ug/ml



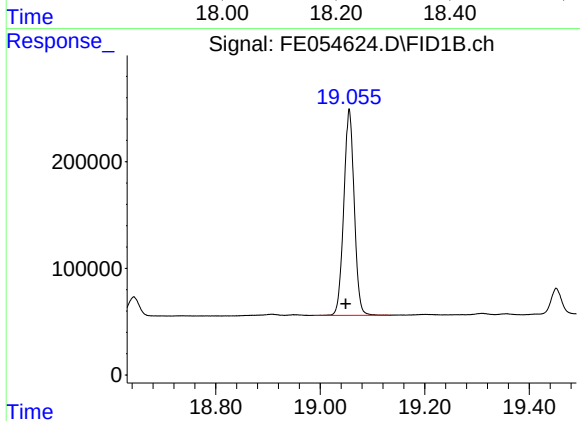
#17 n-Tricontane (C30)

R.T.: 18.222 min
Delta R.T.: 0.006 min
Response: 2666043
Conc: 16.92 ug/ml

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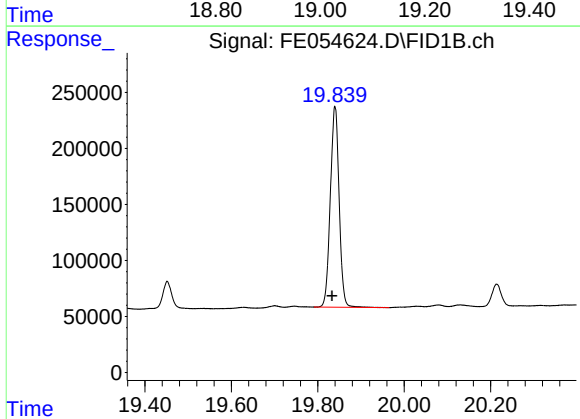
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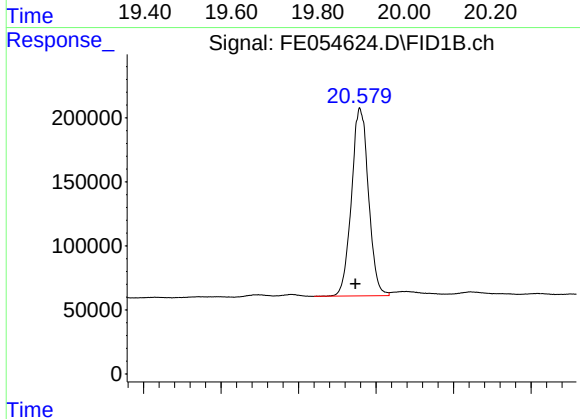
#18 n-Dotriacontane (C32)

R.T.: 19.056 min
Delta R.T.: 0.007 min
Response: 2680785
Conc: 16.57 ug/ml



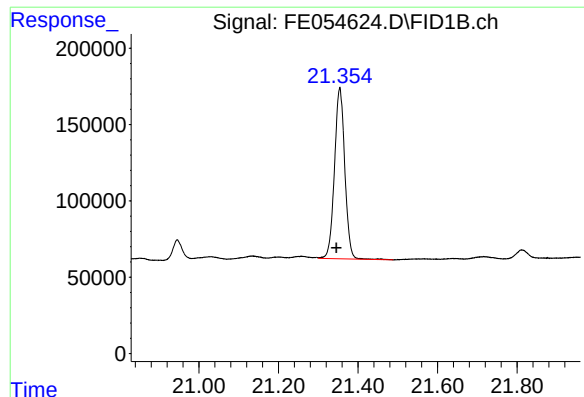
#19 n-Tetratriacontane (C34)

R.T.: 19.840 min
Delta R.T.: 0.007 min
Response: 2541784
Conc: 16.68 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.580 min
Delta R.T.: 0.006 min
Response: 2234994
Conc: 16.62 ug/ml



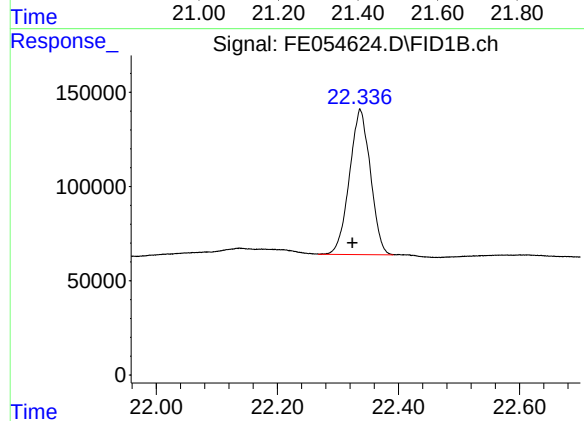
#21 n-Octatriacontane (C38)

R.T.: 21.354 min
Delta R.T.: 0.008 min
Response: 2015232
Conc: 17.18 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.336 min
Delta R.T.: 0.012 min
Response: 1849753
Conc: 17.07 ug/ml m