

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE102825AL\
 Data File : FE056550.D
 Signal(s) : FID1B.ch
 Acq On : 28 Oct 2025 21:27
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/29/2025
 Supervised By :Sohil Jodhani 10/29/2025

Integration File: sample.E
 Quant Time: Oct 29 04:24:33 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 28 14:34:40 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)	11.982	3396318	16.625 ug/ml
Spiked Amount 50.000		Recovery =	33.25%
12) S 1-chlorooctadecane (S...	13.422	2552046	16.726 ug/ml
Spiked Amount 50.000		Recovery =	33.45%
Target Compounds			
1) T n-Nonane (C9)	3.338	2777587	17.040 ug/ml
2) T n-Decane (C10)	4.591	3065438	18.640 ug/ml
3) T A~Naphthalene (C11.7)	6.304	3176624	17.970 ug/ml
4) T n-Dodecane (C12)	6.764	3159979	18.834 ug/ml
5) T A~2-methylnaphthalene...	7.404	3048337	18.295 ug/ml
6) T n-Tetradecane (C14)	8.599	3085961	18.575 ug/ml
7) T n-Hexadecane (C16)	10.213	3157033	18.044 ug/ml
8) T n-Octadecane (C18)	11.660	3173350	17.396 ug/ml
10) T n-Eicosane (C20)	12.974	2999920	16.849 ug/ml
11) T n-Heneicosane (C21)	13.588	2917150	16.627 ug/ml
13) T n-Docosane (C22)	14.176	2905811	16.416 ug/ml
14) T n-Tetracosane (C24)	15.283	2935958	16.137 ug/ml
15) T n-Hexacosane (C26)	16.307	2884013	16.066 ug/ml
16) T n-Octacosane (C28)	17.259	2874578	16.159 ug/mlm
17) T n-Tricontane (C30)	18.149	3079640	16.962 ug/ml
18) T n-Dotriacontane (C32)	18.982	3106010	17.618 ug/mlm
19) T n-Tetratriacontane (C34)	19.769	2788347	18.013 ug/ml
20) T n-Hexatriacontane (C36)	20.509	2430703	19.456 ug/ml
21) T n-Octatriacontane (C38)	21.264	2200803	21.064 ug/mlm
22) T n-Tetracontane (C40)	22.210	2119387	23.356 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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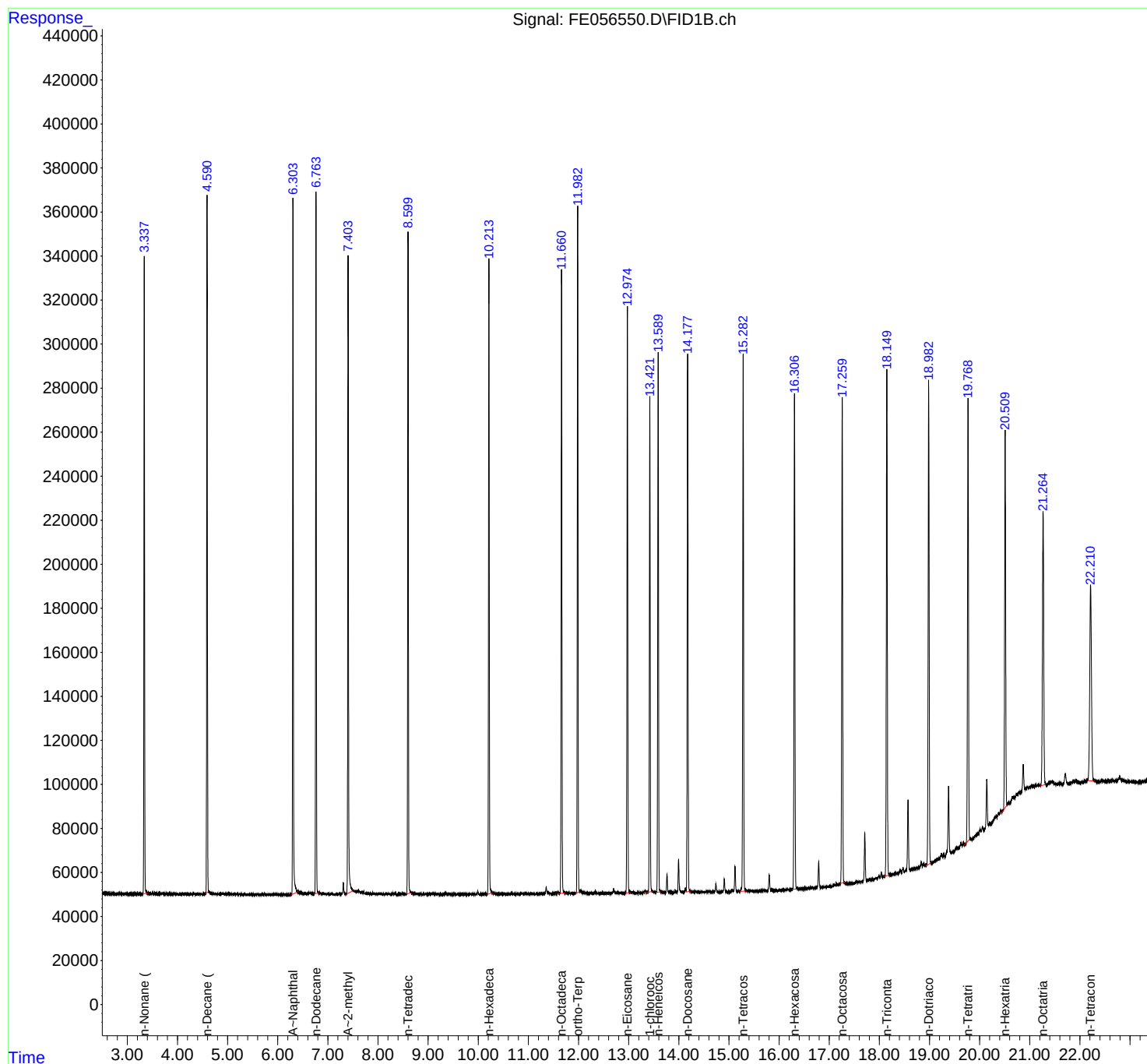
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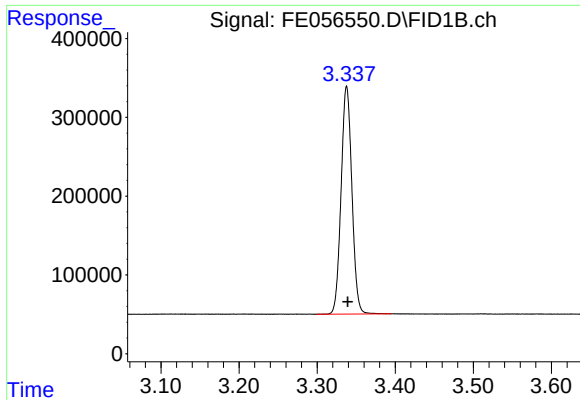
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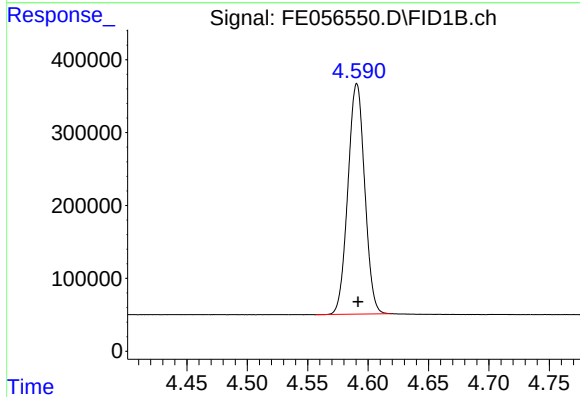
#1 n-Nonane (C9)

R.T.: 3.338 min
Delta R.T.: -0.001 min
Response: 2777587
Conc: 17.04 ug/ml

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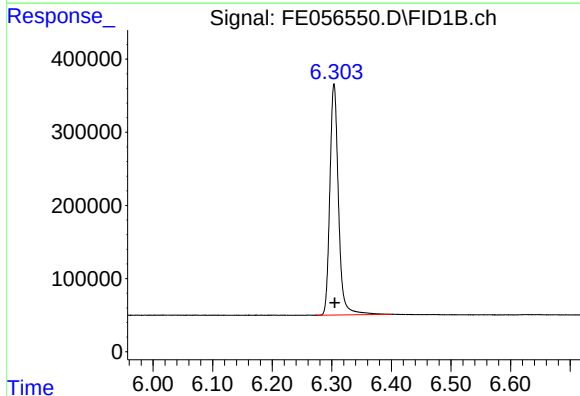
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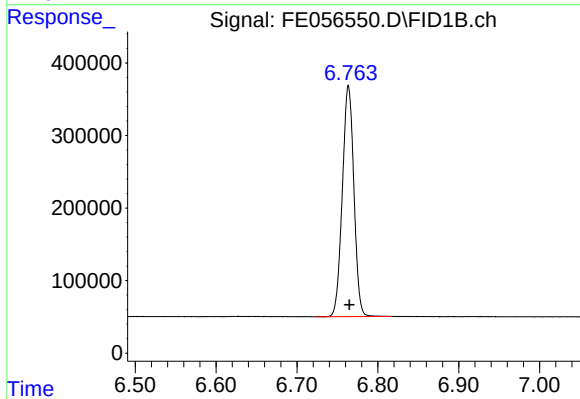
#2 n-Decane (C10)

R.T.: 4.591 min
Delta R.T.: -0.001 min
Response: 3065438
Conc: 18.64 ug/ml



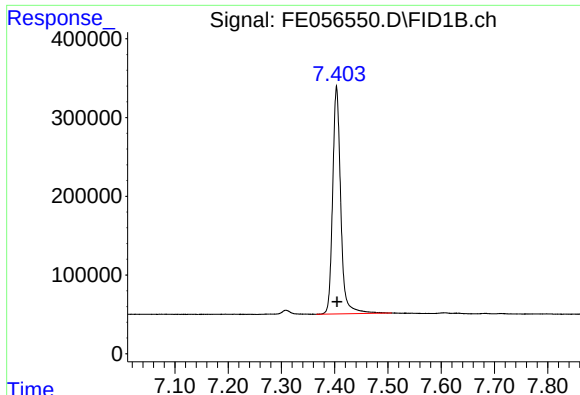
#3 A~Naphthalene (C11.7)

R.T.: 6.304 min
Delta R.T.: 0.000 min
Response: 3176624
Conc: 17.97 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.764 min
Delta R.T.: 0.000 min
Response: 3159979
Conc: 18.83 ug/ml



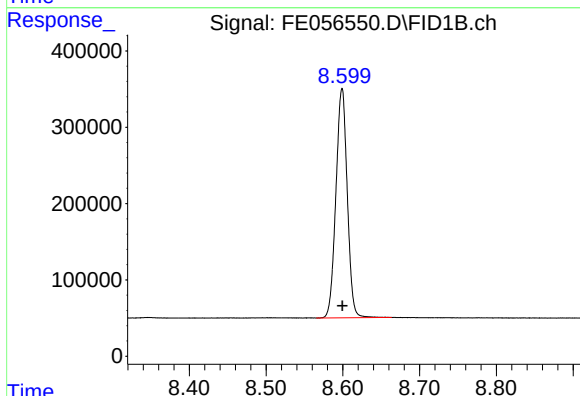
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.404 min
Delta R.T.: 0.000 min
Response: 3048337
Conc: 18.29 ug/ml

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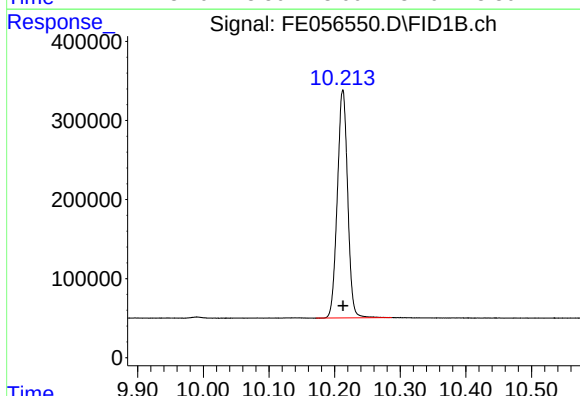
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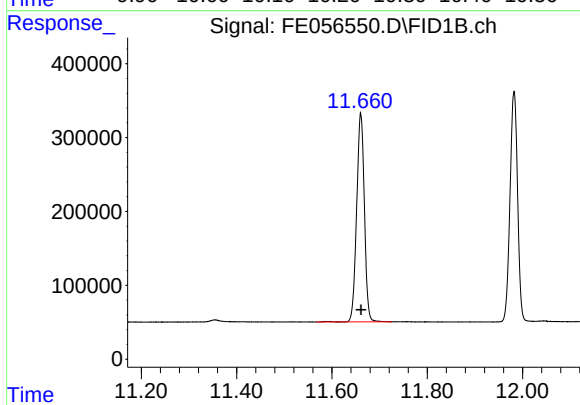
#6 n-Tetradecane (C14)

R.T.: 8.599 min
Delta R.T.: 0.000 min
Response: 3085961
Conc: 18.58 ug/ml



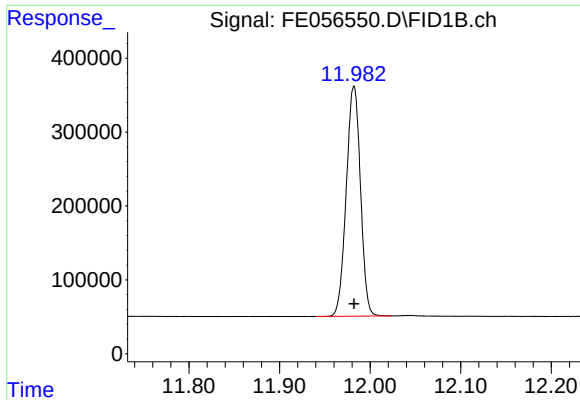
#7 n-Hexadecane (C16)

R.T.: 10.213 min
Delta R.T.: 0.000 min
Response: 3157033
Conc: 18.04 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.660 min
Delta R.T.: 0.000 min
Response: 3173350
Conc: 17.40 ug/ml



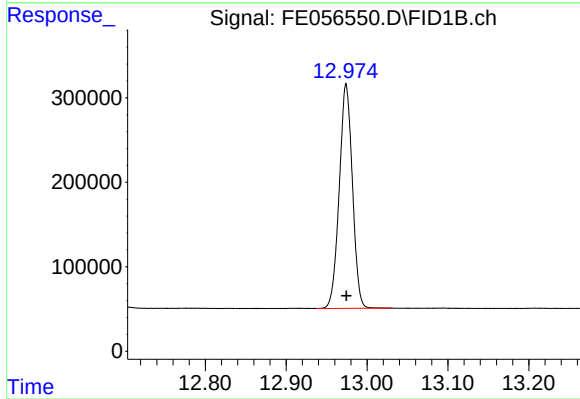
#9 ortho-Terphenyl (SURR)

R.T.: 11.982 min
Delta R.T.: 0.000 min
Response: 3396318
Conc: 16.62 ug/ml

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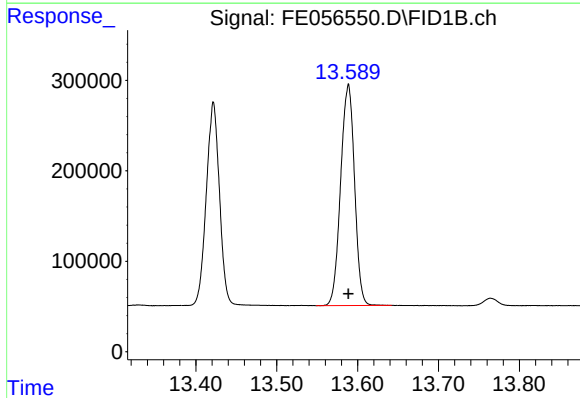
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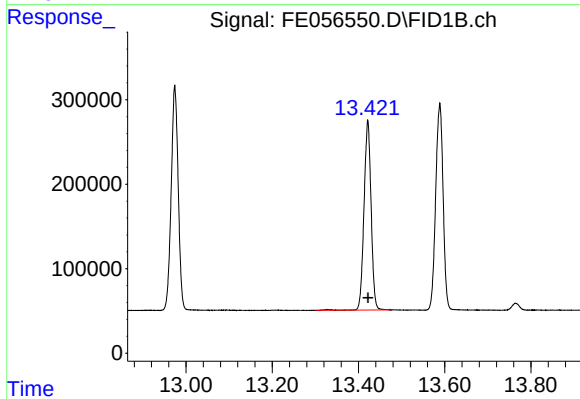
#10 n-Eicosane (C20)

R.T.: 12.974 min
Delta R.T.: 0.000 min
Response: 2999920
Conc: 16.85 ug/ml



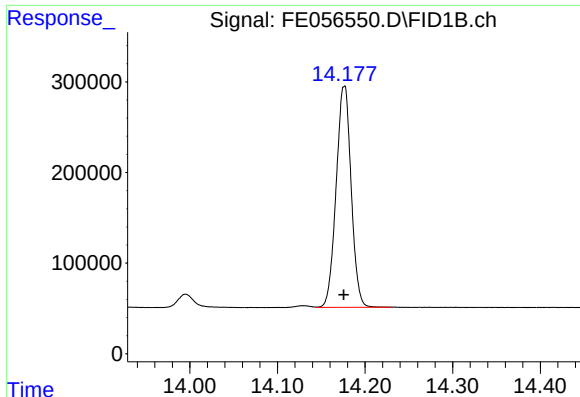
#11 n-Heneicosane (C21)

R.T.: 13.588 min
Delta R.T.: 0.000 min
Response: 2917150
Conc: 16.63 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.422 min
Delta R.T.: 0.000 min
Response: 2552046
Conc: 16.73 ug/ml



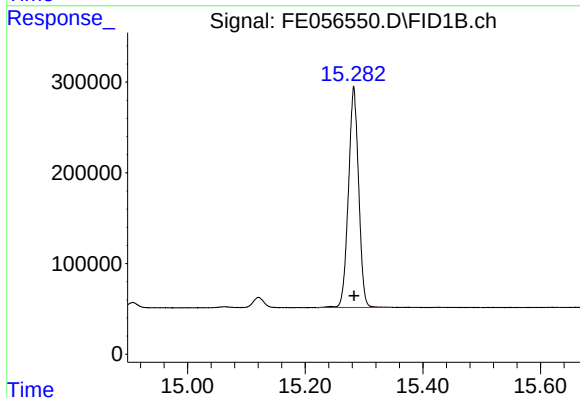
#13 n-Docosane (C22)

R.T.: 14.176 min
Delta R.T.: 0.000 min
Response: 2905811
Conc: 16.42 ug/ml

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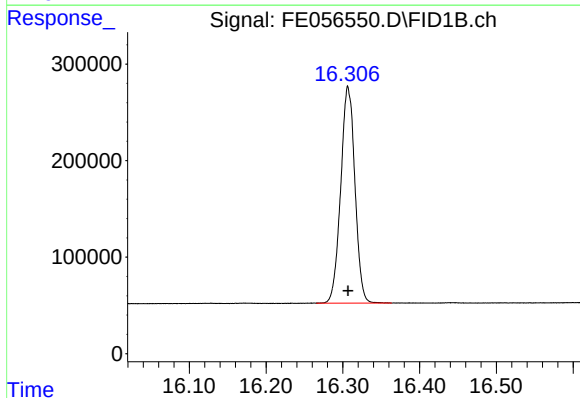
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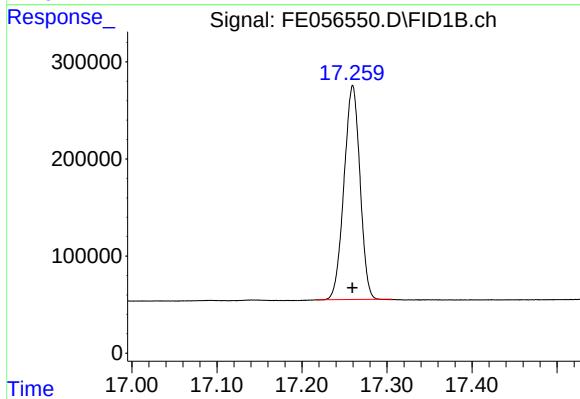
#14 n-Tetracosane (C24)

R.T.: 15.283 min
Delta R.T.: 0.000 min
Response: 2935958
Conc: 16.14 ug/ml



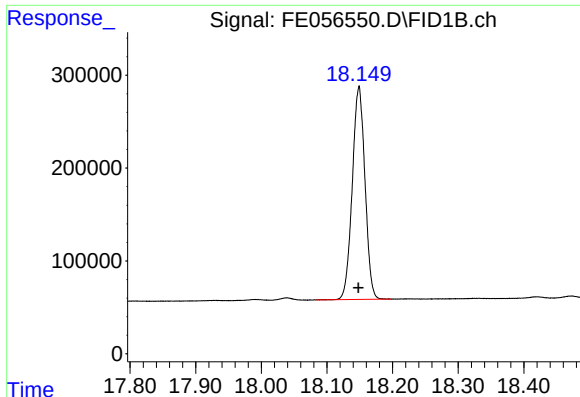
#15 n-Hexacosane (C26)

R.T.: 16.307 min
Delta R.T.: 0.000 min
Response: 2884013
Conc: 16.07 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.259 min
Delta R.T.: 0.000 min
Response: 2874578
Conc: 16.16 ug/ml m



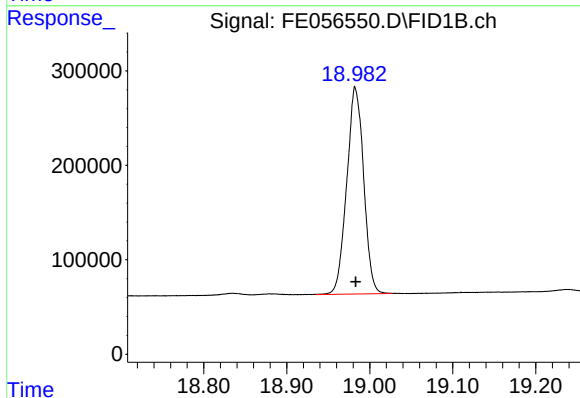
#17 n-Tricontane (C30)

R.T.: 18.149 min
Delta R.T.: 0.000 min
Response: 3079640
Conc: 16.96 ug/ml

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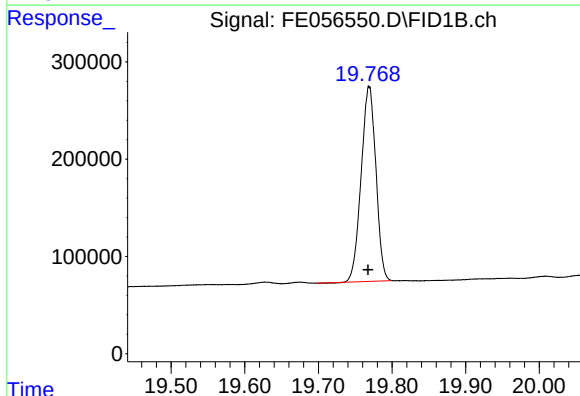
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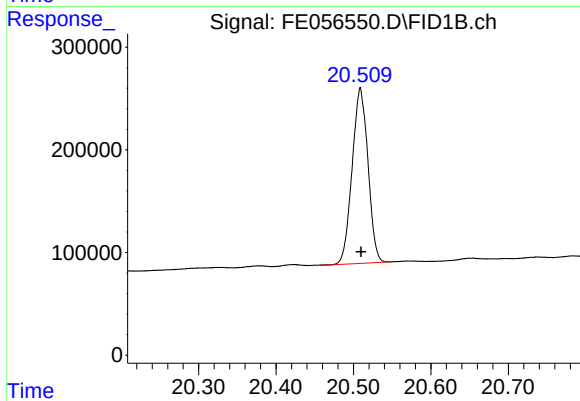
#18 n-Dotriacontane (C32)

R.T.: 18.982 min
Delta R.T.: -0.002 min
Response: 3106010
Conc: 17.62 ug/ml m



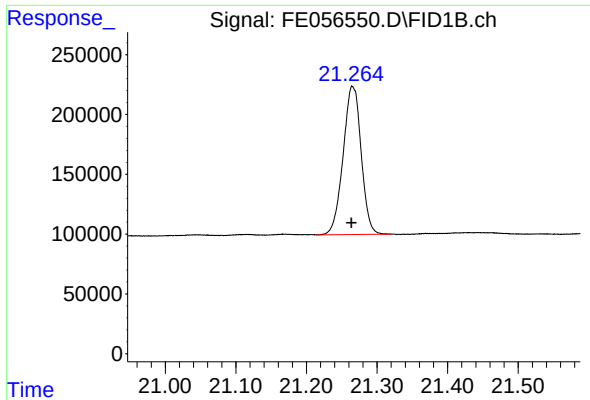
#19 n-Tetratriacontane (C34)

R.T.: 19.769 min
Delta R.T.: 0.001 min
Response: 2788347
Conc: 18.01 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.509 min
Delta R.T.: 0.000 min
Response: 2430703
Conc: 19.46 ug/ml



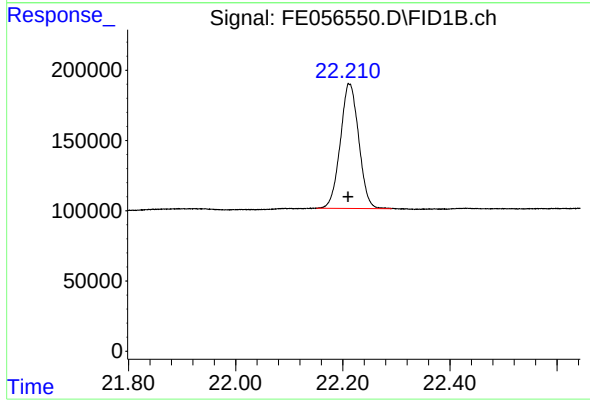
#21 n-Octatriacontane (C38)

R.T.: 21.264 min
Delta R.T.: 0.000 min
Response: 2200803
Conc: 21.06 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.210 min
Delta R.T.: 0.000 min
Response: 2119387
Conc: 23.36 ug/ml m