

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061625AL\
 Data File : FE054429.D
 Signal(s) : FID1B.ch
 Acq On : 17 Jun 2025 04:19
 Operator : YP\AJ
 Sample : Q2325-01MSD
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

TP-8MSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/17/2025

Supervised By :mohammad ahmed 06/18/2025

Integration File: autoint1.e

Quant Time: Jun 17 04:55:03 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)	11.826	4208933	25.472 ug/ml
Spiked Amount 50.000		Recovery =	50.94%
12) S 1-chlorooctadecane (S...	13.270	3471443	28.466 ug/mlm
Spiked Amount 50.000		Recovery =	56.93%
Target Compounds			
1) T n-Nonane (C9)	3.175	3033585	24.429 ug/ml
2) T n-Decane (C10)	4.438	3323797	26.750 ug/ml
3) T A~Naphthalene (C11.7)	6.152	4384159	32.441 ug/ml
4) T n-Dodecane (C12)	6.619	3753509	29.478 ug/ml
5) T A~2-methylnaphthalene...	7.254	4211474	31.796 ug/ml
6) T n-Tetradecane (C14)	8.455	4173130	32.234 ug/ml
7) T n-Hexadecane (C16)	10.066	4613060	34.727 ug/ml
8) T n-Octadecane (C18)	11.513	4842420	35.861 ug/ml
10) T n-Eicosane (C20)	12.827	5063484	37.850 ug/ml
11) T n-Heneicosane (C21)	13.439	4860964	36.557 ug/ml
13) T n-Docosane (C22)	14.027	4815070	36.722 ug/ml
14) T n-Tetracosane (C24)	15.128	10456784	81.064 ug/ml
15) T n-Hexacosane (C26)	16.155	4638001	36.948 ug/ml
16) T n-Octacosane (C28)	17.107	4759914	38.815 ug/mlm
17) T n-Tricontane (C30)	17.996	4557340	36.770 ug/ml
18) T n-Dotriacontane (C32)	18.828	4583367	36.479 ug/ml
19) T n-Tetratriacontane (C34)	19.613	4593976	36.927 ug/ml
20) T n-Hexatriacontane (C36)	20.355	4672385	36.296 ug/ml
21) T n-Octatriacontane (C38)	21.082	4902592	37.129 ug/ml
22) T n-Tetracontane (C40)	21.969	4850974	36.012 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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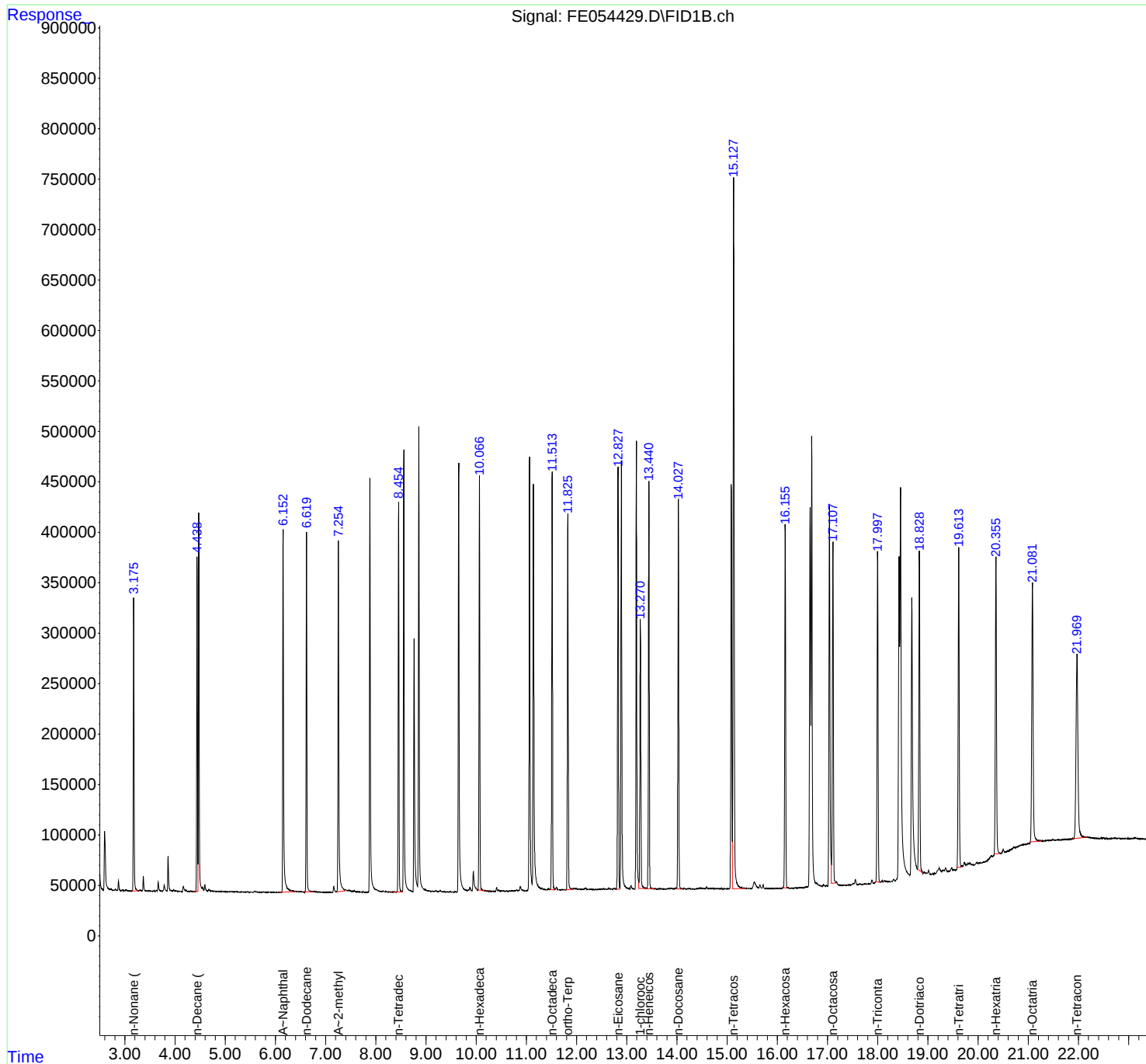
Response via : Initial Calibration

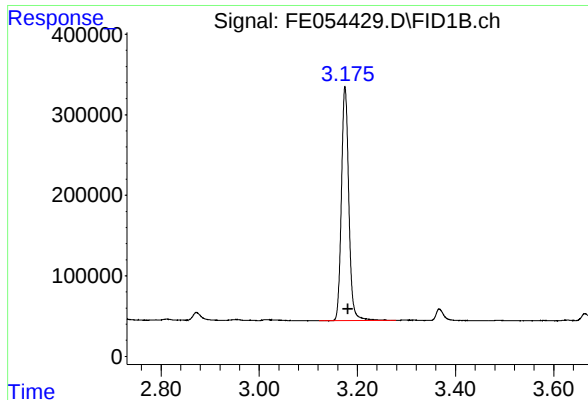
Integrator: ChemStation

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Signal Info : 20M x 0.18mm x 0.18um





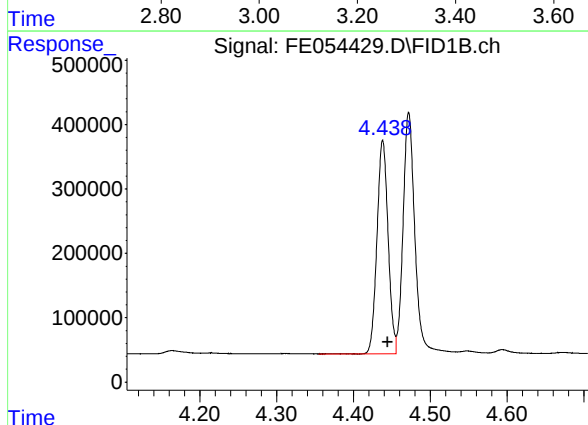
#1 n-Nonane (C9)

R.T.: 3.175 min
Delta R.T.: -0.006 min
Response: 3033585
Conc: 24.43 ug/ml

Instrument :
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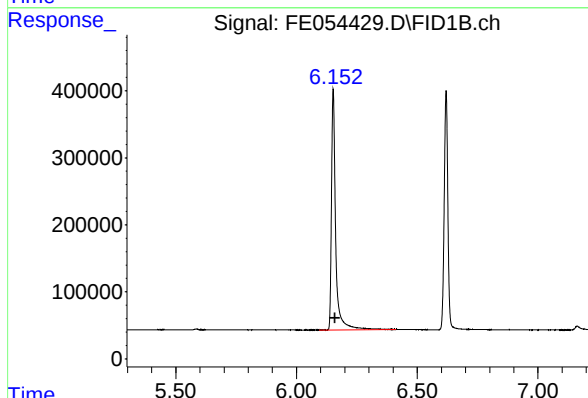
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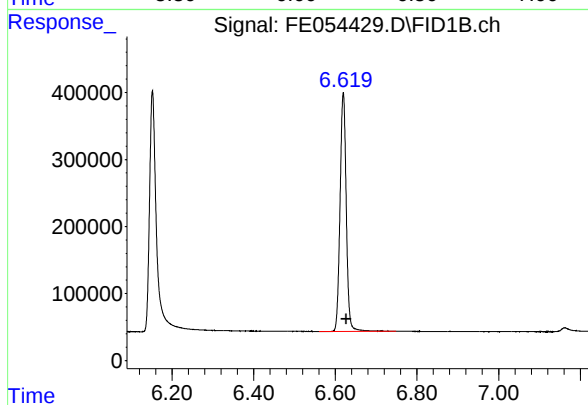
#2 n-Decane (C10)

R.T.: 4.438 min
Delta R.T.: -0.006 min
Response: 3323797
Conc: 26.75 ug/ml



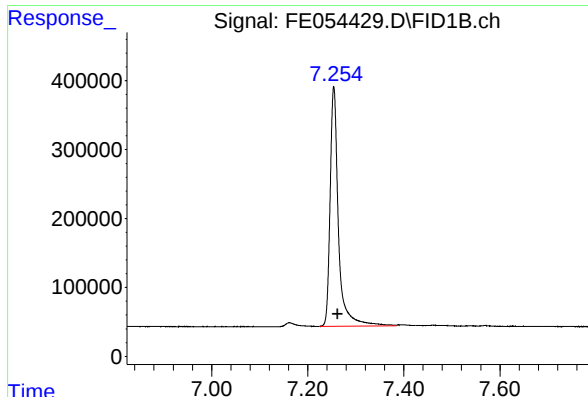
#3 A~Naphthalene (C11.7)

R.T.: 6.152 min
Delta R.T.: -0.008 min
Response: 4384159
Conc: 32.44 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.619 min
Delta R.T.: -0.007 min
Response: 3753509
Conc: 29.48 ug/ml



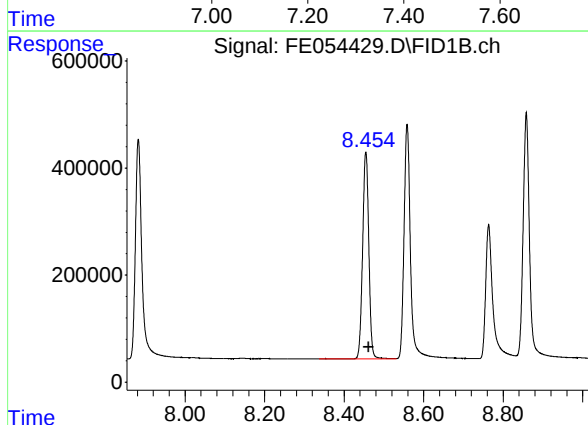
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.254 min
Delta R.T.: -0.008 min
Response: 4211474
Conc: 31.80 ug/ml

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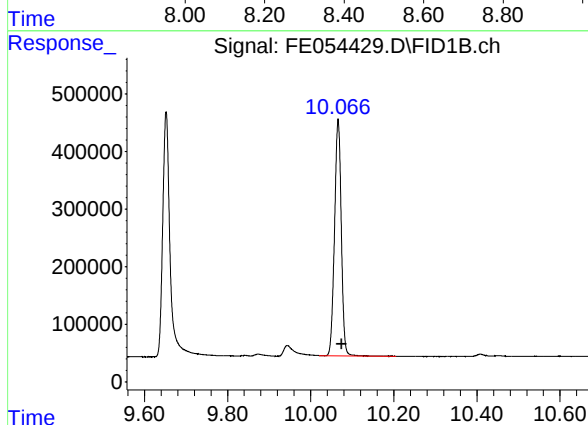
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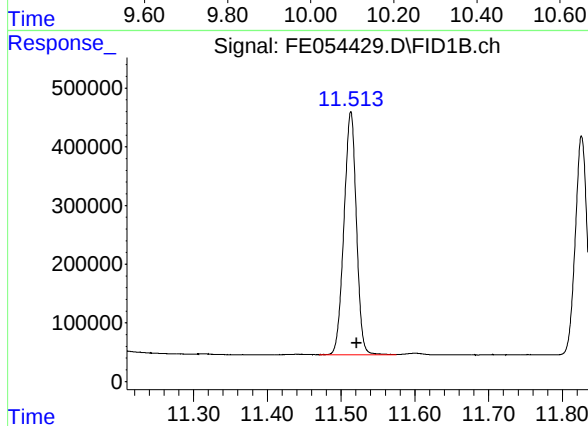
#6 n-Tetradecane (C14)

R.T.: 8.455 min
Delta R.T.: -0.007 min
Response: 4173130
Conc: 32.23 ug/ml



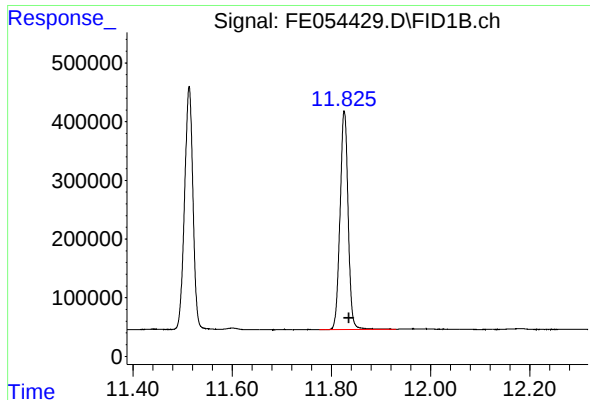
#7 n-Hexadecane (C16)

R.T.: 10.066 min
Delta R.T.: -0.009 min
Response: 4613060
Conc: 34.73 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.513 min
Delta R.T.: -0.008 min
Response: 4842420
Conc: 35.86 ug/ml



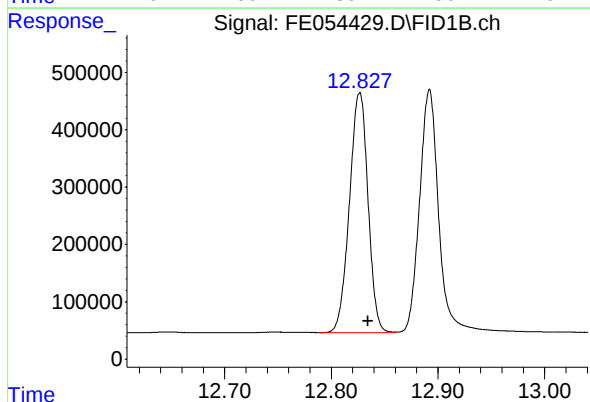
#9 ortho-Terphenyl (SURR)

R.T.: 11.826 min
Delta R.T.: -0.009 min
Response: 4208933
Conc: 25.47 ug/ml

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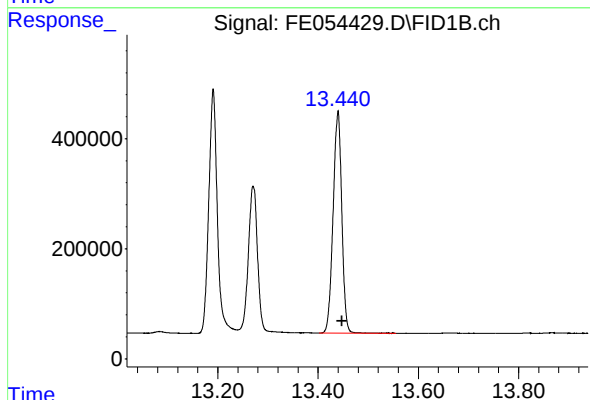
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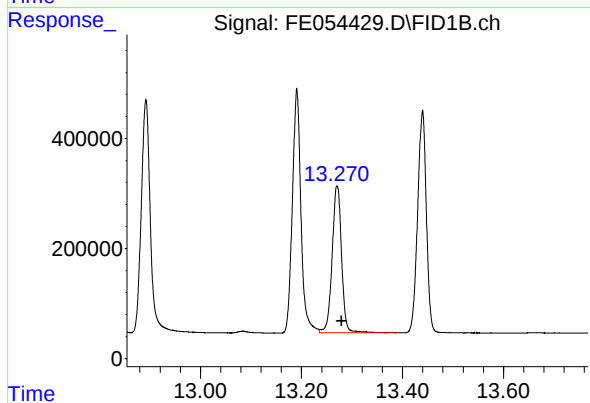
#10 n-Eicosane (C20)

R.T.: 12.827 min
Delta R.T.: -0.008 min
Response: 5063484
Conc: 37.85 ug/ml



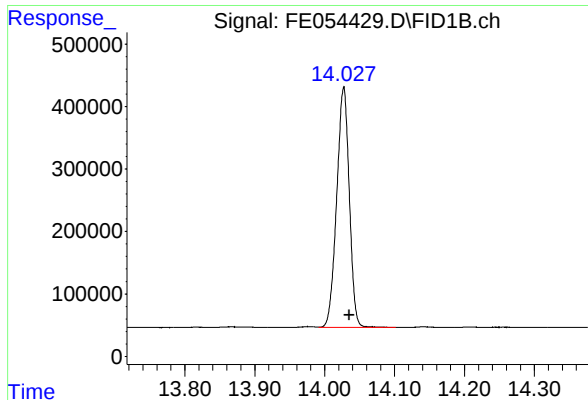
#11 n-Heneicosane (C21)

R.T.: 13.439 min
Delta R.T.: -0.008 min
Response: 4860964
Conc: 36.56 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.270 min
Delta R.T.: -0.010 min
Response: 3471443
Conc: 28.47 ug/ml m



#13 n-Docosane (C22)

R.T.: 14.027 min
Delta R.T.: -0.008 min
Response: 4815070
Conc: 36.72 ug/ml

Instrument :

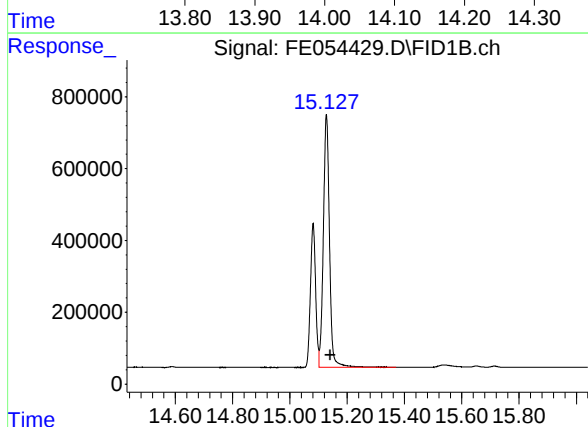
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ClientSampleId :

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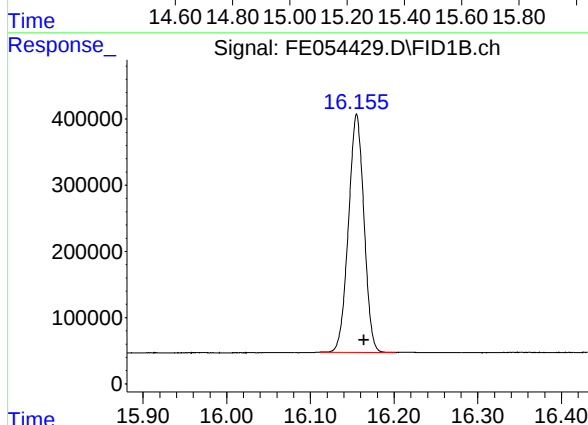
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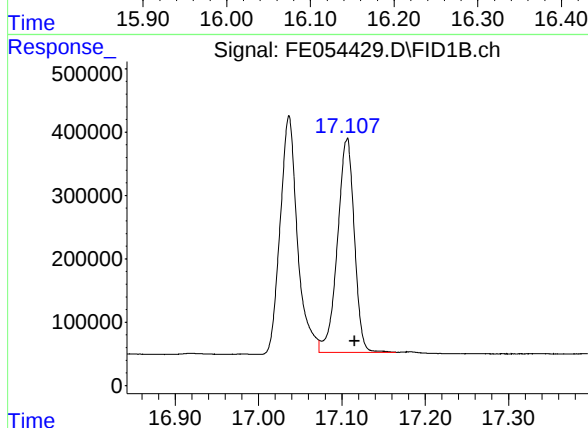
#14 n-Tetracosane (C24)

R.T.: 15.128 min
Delta R.T.: -0.014 min
Response: 10456784
Conc: 81.06 ug/ml



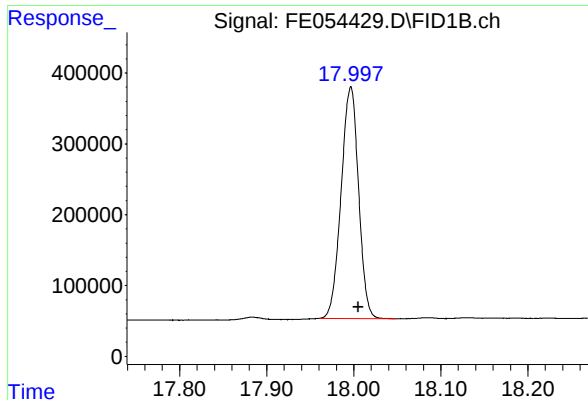
#15 n-Hexacosane (C26)

R.T.: 16.155 min
Delta R.T.: -0.009 min
Response: 4638001
Conc: 36.95 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.107 min
Delta R.T.: -0.008 min
Response: 4759914
Conc: 38.81 ug/ml m



#17 n-Tricontane (C30)

R.T.: 17.996 min
Delta R.T.: -0.009 min
Response: 4557340
Conc: 36.77 ug/ml

Instrument :

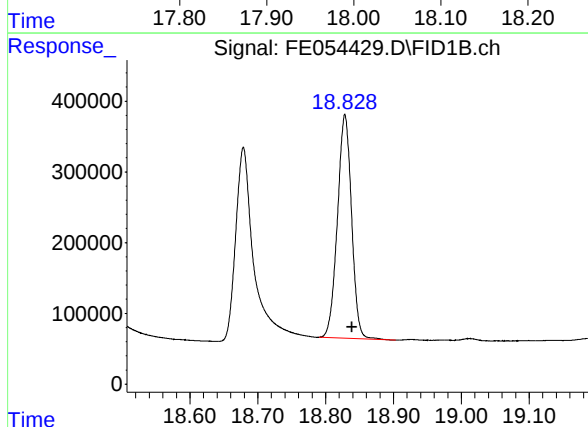
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ClientSampleId :

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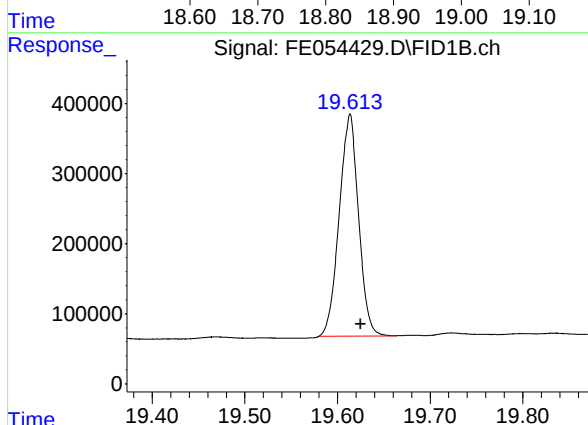
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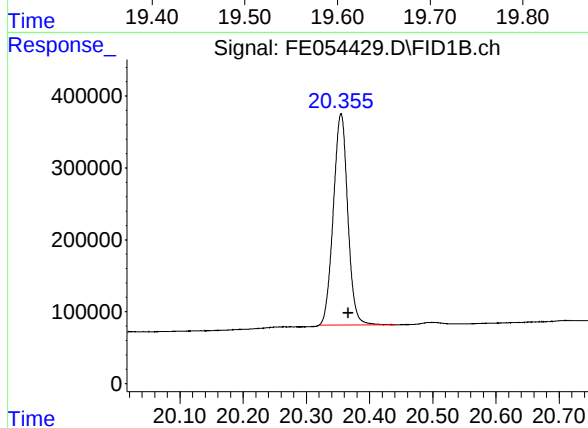
#18 n-Dotriacontane (C32)

R.T.: 18.828 min
Delta R.T.: -0.011 min
Response: 4583367
Conc: 36.48 ug/ml



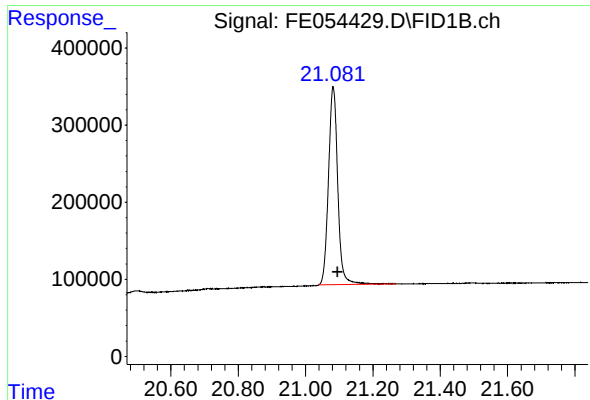
#19 n-Tetatriacontane (C34)

R.T.: 19.613 min
Delta R.T.: -0.012 min
Response: 4593976
Conc: 36.93 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.355 min
Delta R.T.: -0.011 min
Response: 4672385
Conc: 36.30 ug/ml



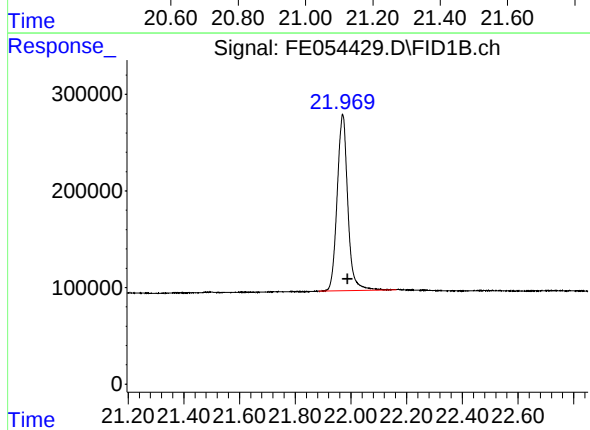
#21 n-Octatriacontane (C38)

R.T.: 21.082 min
Delta R.T.: -0.014 min
Response: 4902592
Conc: 37.13 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.969 min
Delta R.T.: -0.019 min
Response: 4850974
Conc: 36.01 ug/ml m