

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061325AL\
 Data File : FE054355.D
 Signal(s) : FID1B.ch
 Acq On : 12 Jun 2025 23:44
 Operator : YP\AJ
 Sample : Q2295-01MSD
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

TP01-MH1-WCMSD

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 06/13/2025

Supervised By :mohammad ahmed 06/16/2025

Integration File: autoint1.e

Quant Time: Jun 13 05:44:02 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)	11.827	6291697	38.077 ug/ml
Spiked Amount 50.000		Recovery =	76.15%
12) S 1-chlorooctadecane (S...	13.270	5115811	41.951 ug/mlm
Spiked Amount 50.000		Recovery =	83.90%
Target Compounds			
1) T n-Nonane (C9)	3.178	4207613	33.883 ug/ml
2) T n-Decane (C10)	4.440	4640485	37.347 ug/ml
3) T A~Naphthalene (C11.7)	6.152	5818568	43.056 ug/ml
4) T n-Dodecane (C12)	6.621	5190482	40.763 ug/ml
5) T A~2-methylnaphthalene...	7.254	5650646	42.661 ug/ml
6) T n-Tetradecane (C14)	8.456	5711196	44.114 ug/ml
7) T n-Hexadecane (C16)	10.067	6365775	47.921 ug/ml
8) T n-Octadecane (C18)	11.514	6779869	50.209 ug/ml
10) T n-Eicosane (C20)	12.827	7134001	53.328 ug/ml
11) T n-Heneicosane (C21)	13.440	6847681	51.499 ug/ml
13) T n-Docosane (C22)	14.027	6799663	51.858 ug/ml
14) T n-Tetracosane (C24)	15.127	14081112	109.161 ug/ml
15) T n-Hexacosane (C26)	16.156	6597648	52.559 ug/ml
16) T n-Octacosane (C28)	17.105	6833831	55.727 ug/mlm
17) T n-Tricontane (C30)	17.996	6367971	51.379 ug/ml
18) T n-Dotriacontane (C32)	18.827	5856699	46.613 ug/mlm
19) T n-Tetratriacontane (C34)	19.611	3982103	32.009 ug/mlm
20) T n-Hexatriacontane (C36)	20.349	2114974	16.429 ug/mlm
21) T n-Octatriacontane (C38)	21.074	1093333	8.280 ug/mlm
22) T n-Tetracontane (C40)	21.962	642212	4.767 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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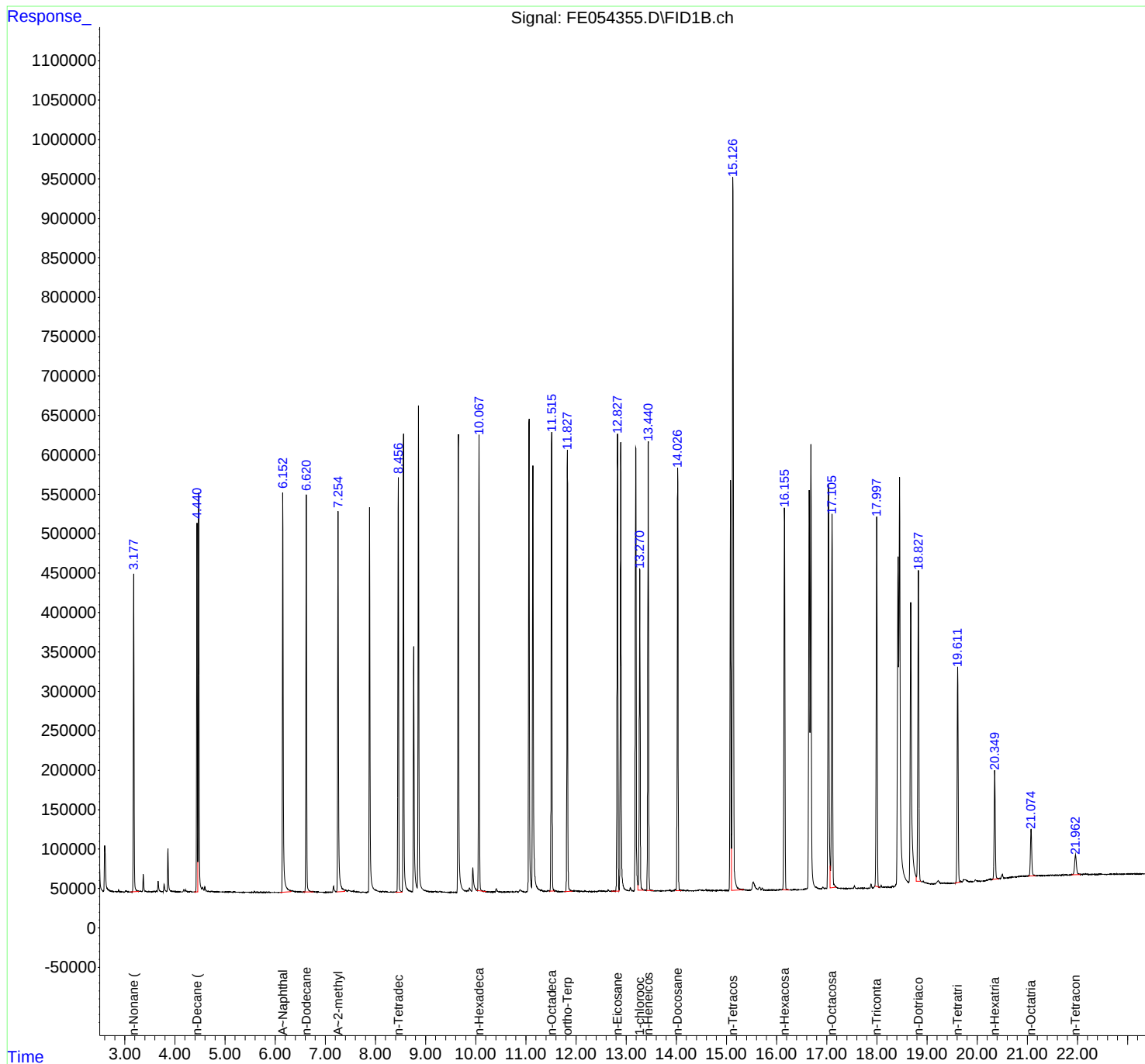
Instrument :
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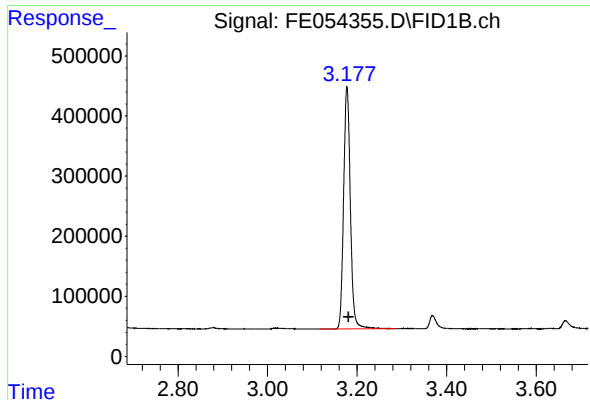
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Signal Info : 20M x 0.18mm x 0.18um





#1 n-Nonane (C9)

R.T.: 3.178 min
Delta R.T.: -0.003 min
Response: 4207613
Conc: 33.88 ug/ml

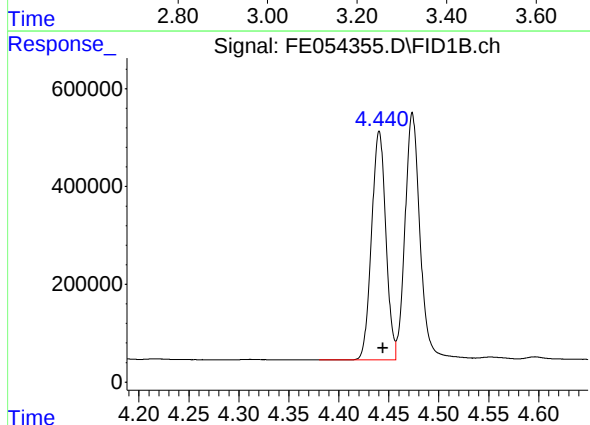
Instrument :

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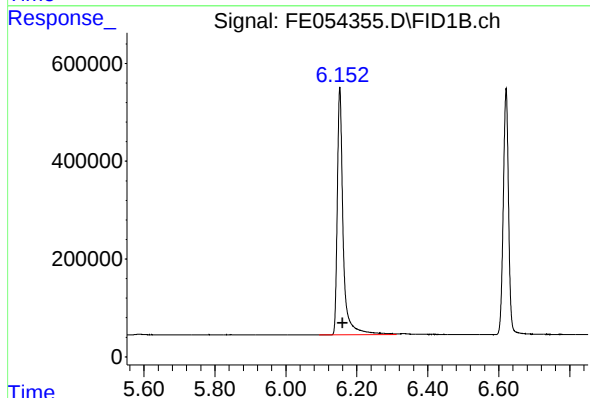
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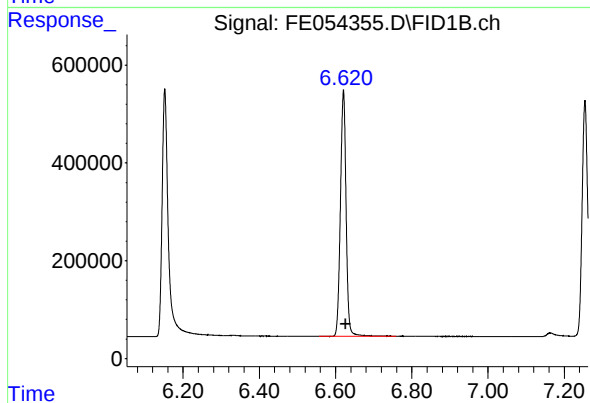
#2 n-Decane (C10)

R.T.: 4.440 min
Delta R.T.: -0.004 min
Response: 4640485
Conc: 37.35 ug/ml



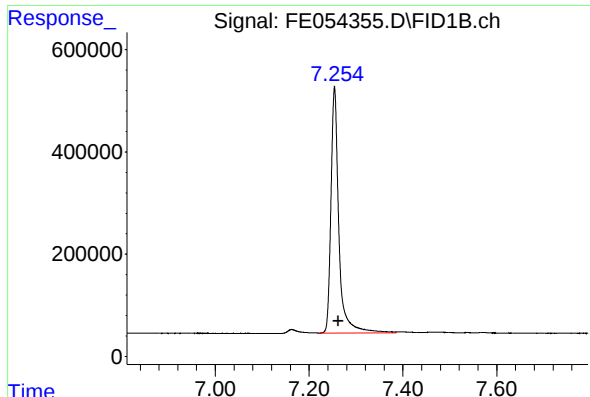
#3 A~Naphthalene (C11.7)

R.T.: 6.152 min
Delta R.T.: -0.008 min
Response: 5818568
Conc: 43.06 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.621 min
Delta R.T.: -0.006 min
Response: 5190482
Conc: 40.76 ug/ml



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

R.T.: 7.254 min
Delta R.T.: -0.008 min
Response: 5650646
Conc: 42.66 ug/ml

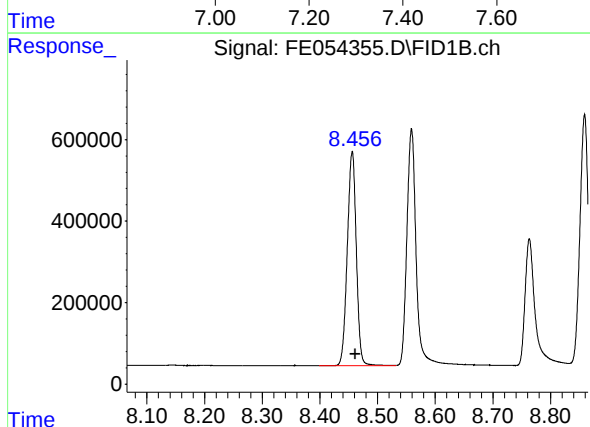
Instrument :

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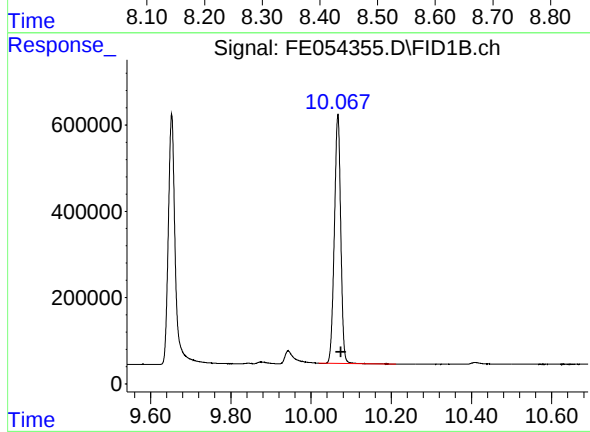
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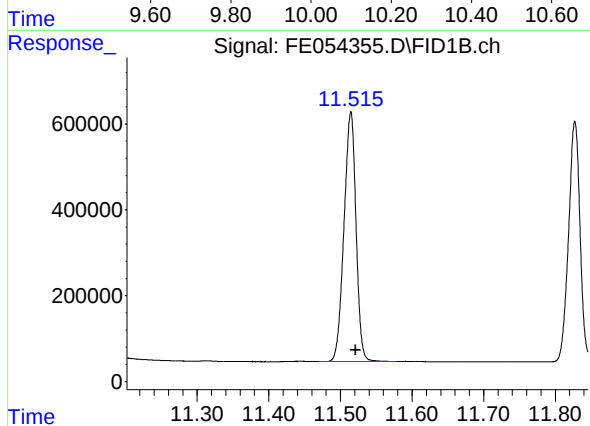
#6 n-Tetradecane (C14)

R.T.: 8.456 min
Delta R.T.: -0.005 min
Response: 5711196
Conc: 44.11 ug/ml



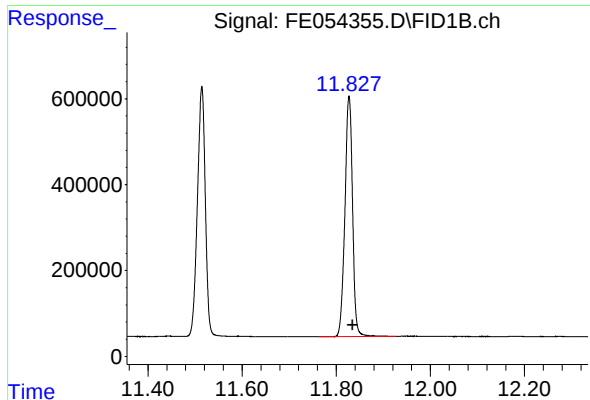
#7 n-Hexadecane (C16)

R.T.: 10.067 min
Delta R.T.: -0.008 min
Response: 6365775
Conc: 47.92 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.514 min
Delta R.T.: -0.007 min
Response: 6779869
Conc: 50.21 ug/ml



#9 ortho-Terphenyl (SURR)

R.T.: 11.827 min
Delta R.T.: -0.008 min
Response: 6291697
Conc: 38.08 ug/ml

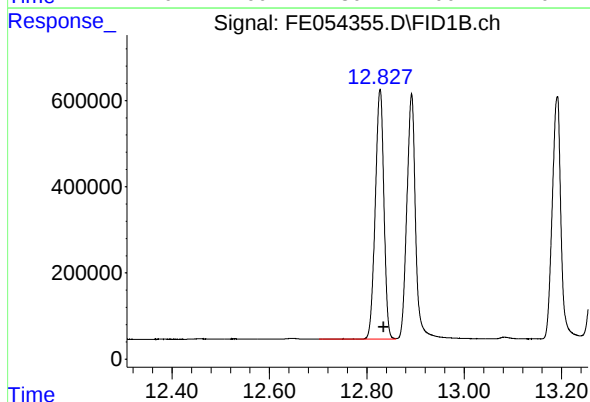
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FID_E

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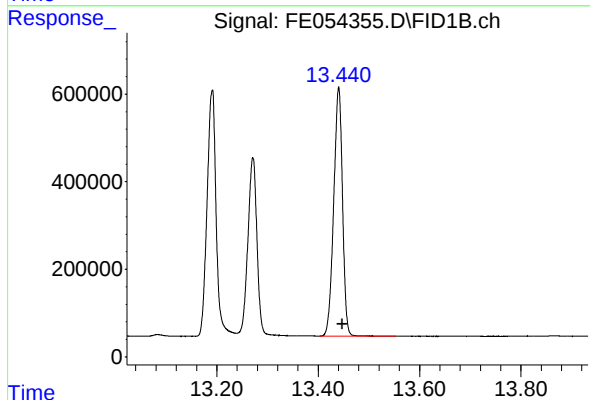
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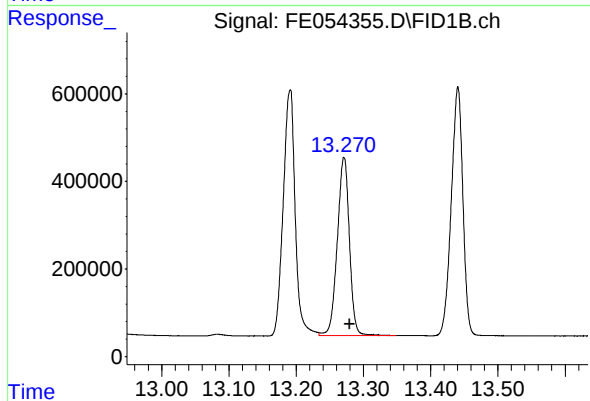
#10 n-Eicosane (C20)

R.T.: 12.827 min
Delta R.T.: -0.007 min
Response: 7134001
Conc: 53.33 ug/ml



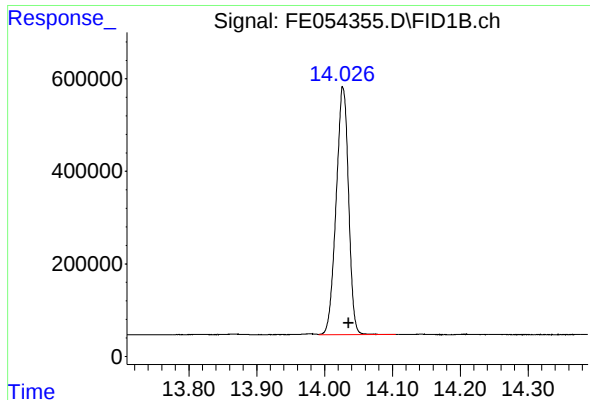
#11 n-Heneicosane (C21)

R.T.: 13.440 min
Delta R.T.: -0.007 min
Response: 6847681
Conc: 51.50 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.270 min
Delta R.T.: -0.009 min
Response: 5115811
Conc: 41.95 ug/ml m



#13 n-Docosane (C22)

R.T.: 14.027 min
Delta R.T.: -0.008 min
Response: 6799663
Conc: 51.86 ug/ml

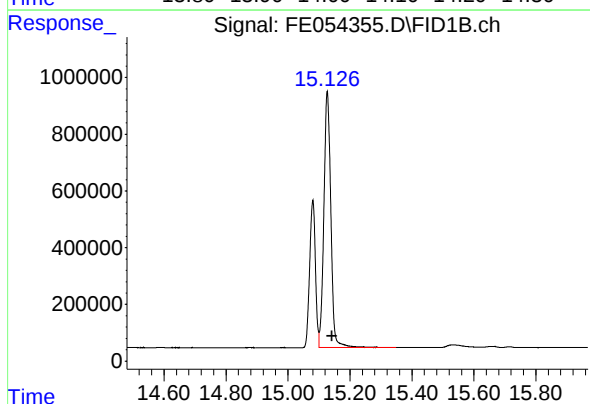
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ClientSampleId :
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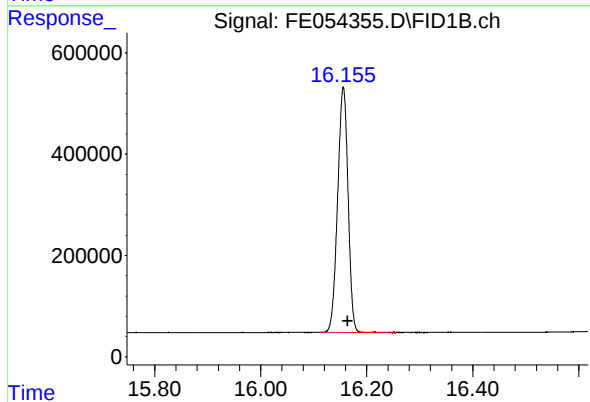
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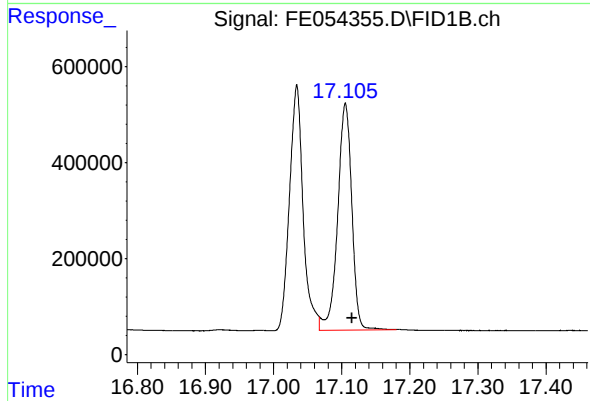
#14 n-Tetracosane (C24)

R.T.: 15.127 min
Delta R.T.: -0.015 min
Response: 14081112
Conc: 109.16 ug/ml



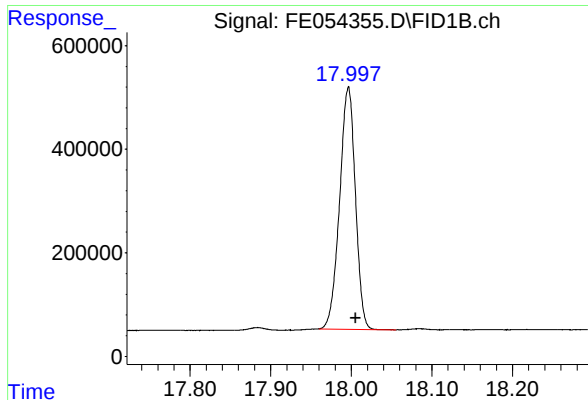
#15 n-Hexacosane (C26)

R.T.: 16.156 min
Delta R.T.: -0.008 min
Response: 6597648
Conc: 52.56 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.105 min
Delta R.T.: -0.010 min
Response: 6833831
Conc: 55.73 ug/ml m



#17 n-Tricontane (C30)

R.T.: 17.996 min
Delta R.T.: -0.009 min
Response: 6367971
Conc: 51.38 ug/ml

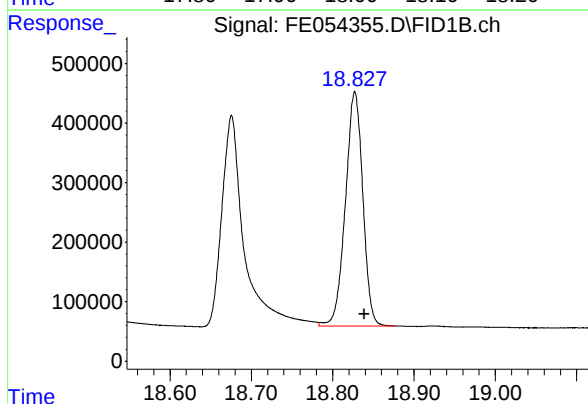
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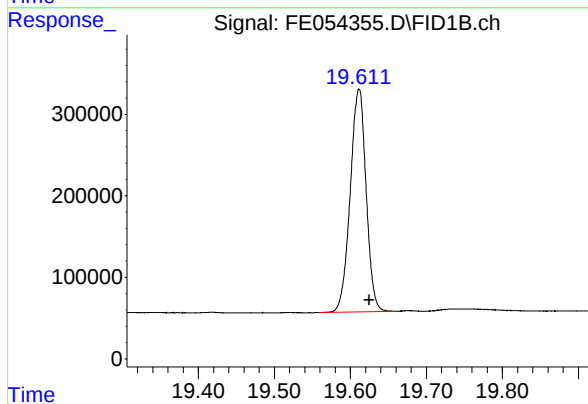
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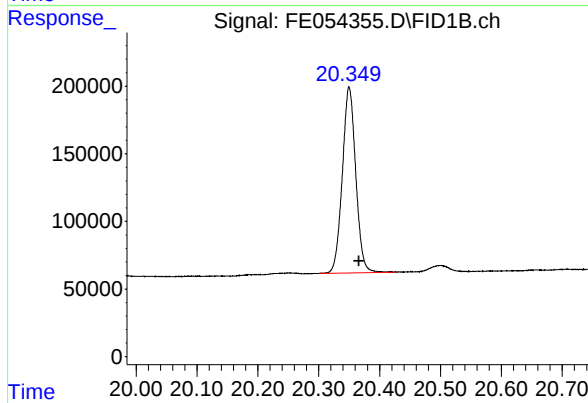
#18 n-Dotriacontane (C32)

R.T.: 18.827 min
Delta R.T.: -0.012 min
Response: 5856699
Conc: 46.61 ug/ml m



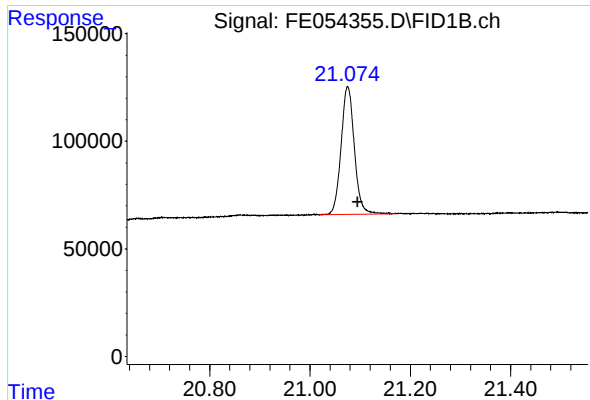
#19 n-Tetatriacontane (C34)

R.T.: 19.611 min
Delta R.T.: -0.014 min
Response: 3982103
Conc: 32.01 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.349 min
Delta R.T.: -0.017 min
Response: 2114974
Conc: 16.43 ug/ml m



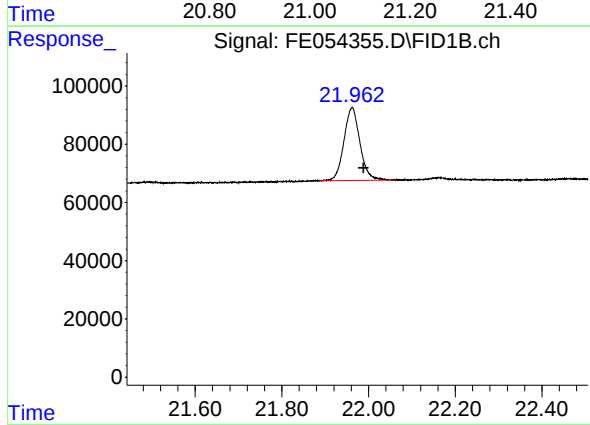
#21 n-Octatriacontane (C38)

R.T.: 21.074 min
Delta R.T.: -0.022 min
Response: 1093333
Conc: 8.28 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.962 min
Delta R.T.: -0.026 min
Response: 642212
Conc: 4.77 ug/ml m