

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE052325AL\
 Data File : FE054008.D
 Signal(s) : FID1B.ch
 Acq On : 23 May 2025 19:20
 Operator : YP\AJ
 Sample : Q2113-01MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

HD-02-05222025MSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/27/2025

Supervised By :mohammad ahmed 05/29/2025

Integration File: autoint1.e

Quant Time: May 23 23:01:21 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)	11.850	6195793	38.125 ug/ml
Spiked Amount 50.000		Recovery =	76.25%
12) S 1-chlorooctadecane (S...	13.295	5138505	43.345 ug/ml
Spiked Amount 50.000		Recovery =	86.69%
Target Compounds			
1) T n-Nonane (C9)	3.191	2430543	17.984 ug/ml
2) T n-Decane (C10)	4.455	2721761	20.142 ug/mlm
3) T A~Naphthalene (C11.7)	6.170	3203989	22.294 ug/ml
4) T n-Dodecane (C12)	6.638	3110001	22.800 ug/ml
5) T A~2-methylnaphthalene...	7.273	3218554	23.204 ug/ml
6) T n-Tetradecane (C14)	8.475	3750611	27.793 ug/ml
7) T n-Hexadecane (C16)	10.086	3964409	29.380 ug/ml
8) T n-Octadecane (C18)	11.535	3952090	29.349 ug/ml
10) T n-Eicosane (C20)	12.848	3966565	30.180 ug/ml
11) T n-Heneicosane (C21)	13.462	3817309	29.445 ug/ml
13) T n-Docosane (C22)	14.050	3725208	29.200 ug/ml
14) T n-Tetracosane (C24)	15.149	7209140	57.619 ug/mlm
15) T n-Hexacosane (C26)	16.181	3516826	28.720 ug/mlm
16) T n-Octacosane (C28)	17.133	3602532	29.635 ug/ml
17) T n-Tricontane (C30)	18.024	3745753	30.071 ug/ml
18) T n-Dotriacontane (C32)	18.858	3626916	29.003 ug/ml
19) T n-Tetratriacontane (C34)	19.645	3698302	31.047 ug/ml
20) T n-Hexatriacontane (C36)	20.388	3787948	32.715 ug/ml
21) T n-Octatriacontane (C38)	21.121	4316874	39.668 ug/mlm
22) T n-Tetracontane (C40)	22.023	3718586	37.474 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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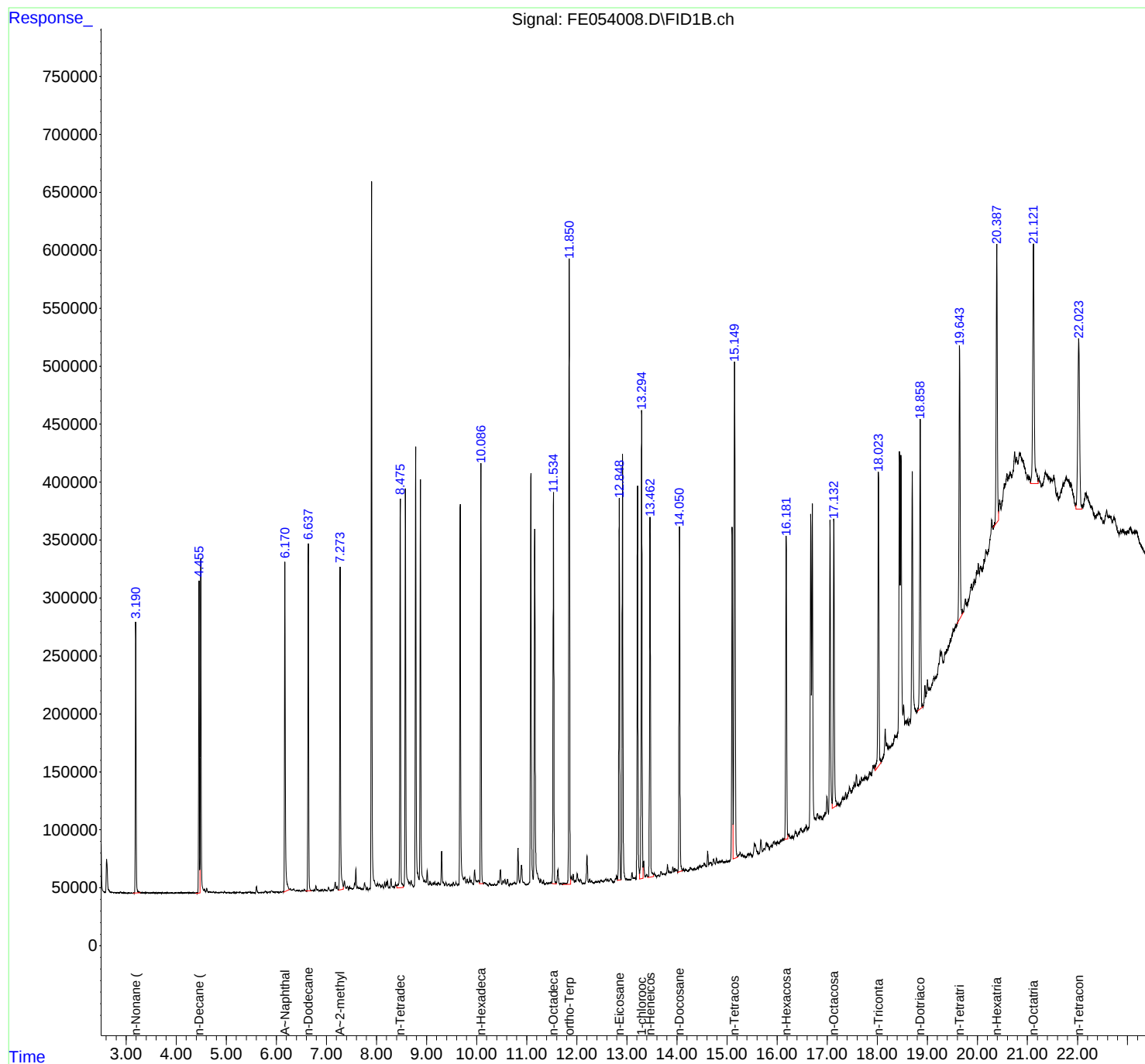
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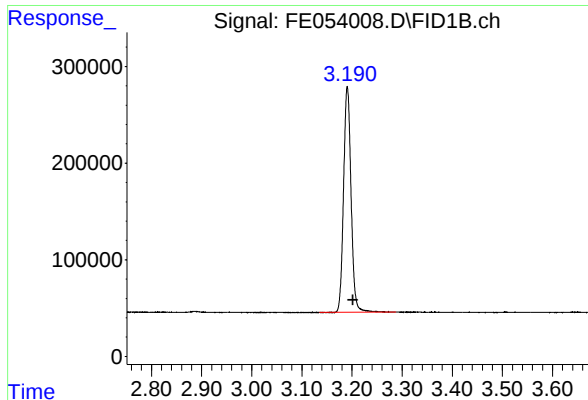
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Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um





#1 n-Nonane (C9)

R.T.: 3.191 min
Delta R.T.: -0.011 min
Response: 2430543
Conc: 17.98 ug/ml

Instrument :

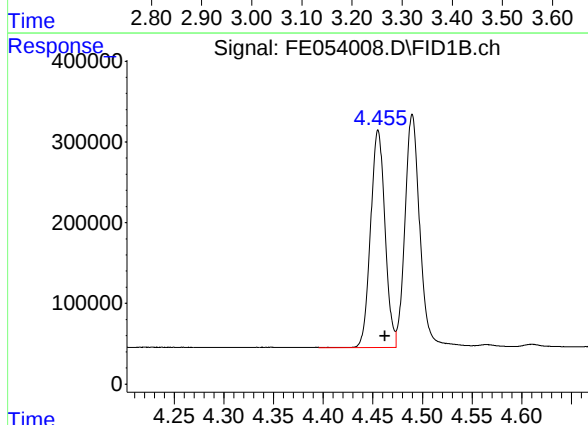
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ClientSampleId :

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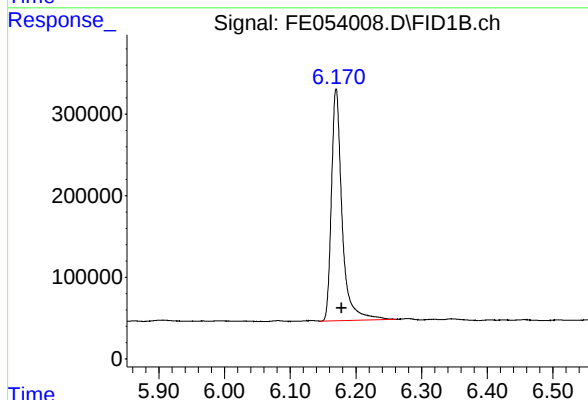
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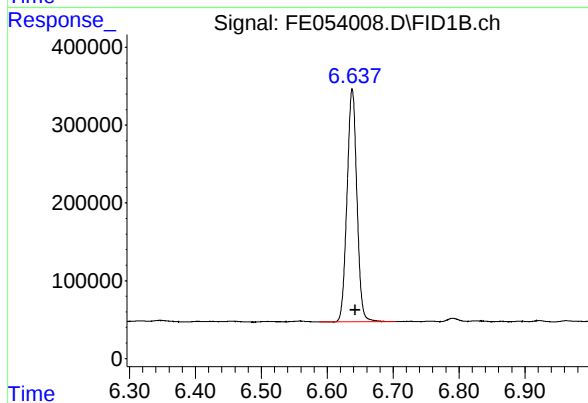
#2 n-Decane (C10)

R.T.: 4.455 min
Delta R.T.: -0.007 min
Response: 2721761
Conc: 20.14 ug/ml m



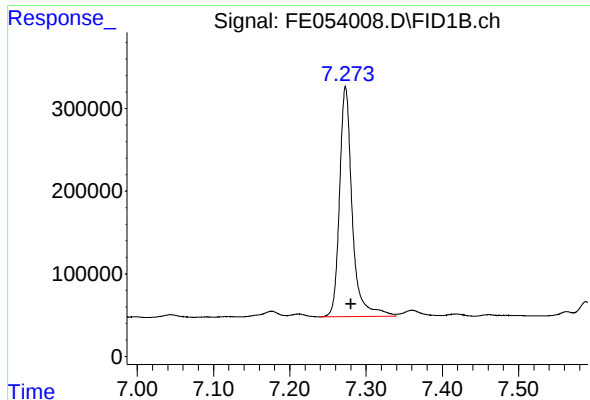
#3 A~Naphthalene (C11.7)

R.T.: 6.170 min
Delta R.T.: -0.008 min
Response: 3203989
Conc: 22.29 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.638 min
Delta R.T.: -0.004 min
Response: 3110001
Conc: 22.80 ug/ml



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

R.T.: 7.273 min
Delta R.T.: -0.007 min
Response: 3218554
Conc: 23.20 ug/ml

Instrument :

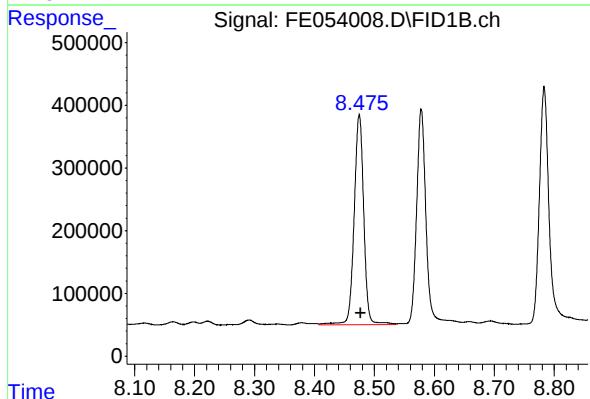
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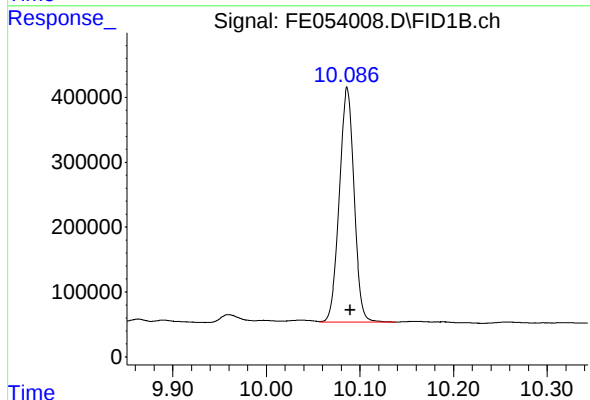
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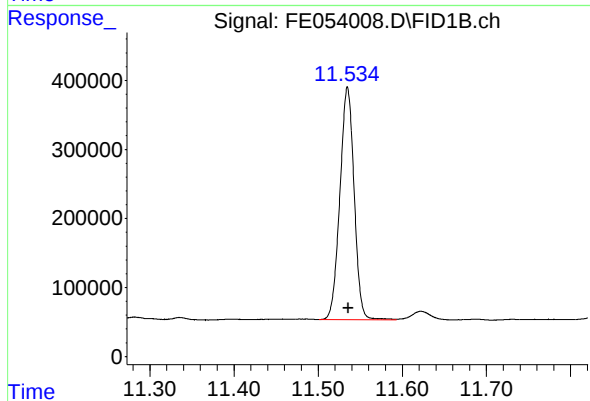
#6 n-Tetradecane (C14)

R.T.: 8.475 min
Delta R.T.: -0.003 min
Response: 3750611
Conc: 27.79 ug/ml



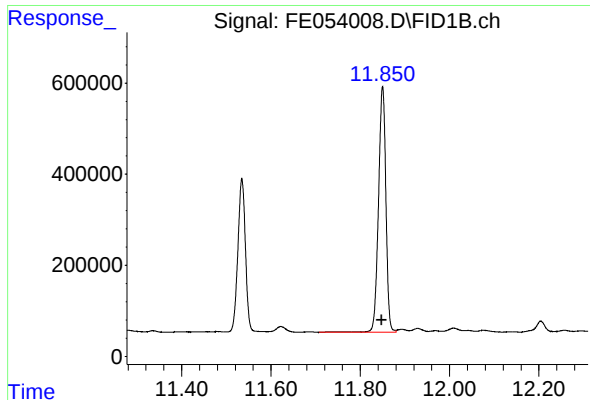
#7 n-Hexadecane (C16)

R.T.: 10.086 min
Delta R.T.: -0.003 min
Response: 3964409
Conc: 29.38 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.535 min
Delta R.T.: 0.000 min
Response: 3952090
Conc: 29.35 ug/ml



#9 ortho-Terphenyl (SURR)

R.T.: 11.850 min
Delta R.T.: 0.001 min
Response: 6195793
Conc: 38.13 ug/ml

Instrument :

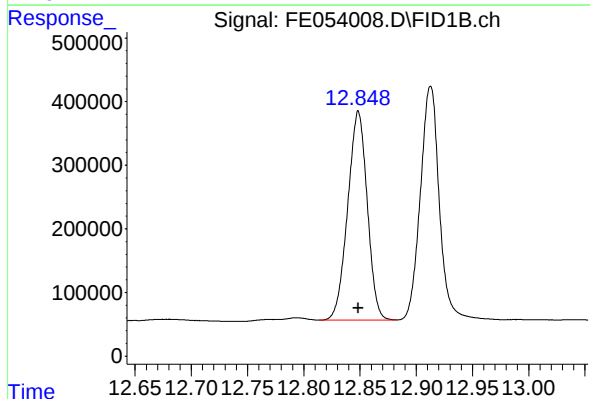
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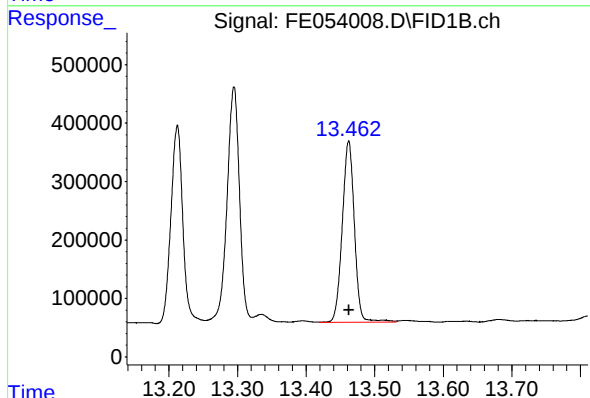
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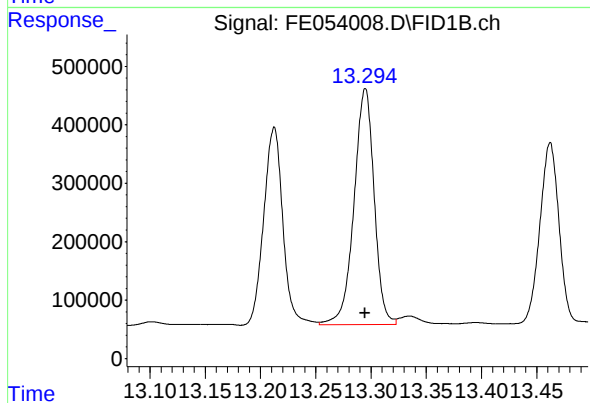
#10 n-Eicosane (C20)

R.T.: 12.848 min
Delta R.T.: 0.000 min
Response: 3966565
Conc: 30.18 ug/ml



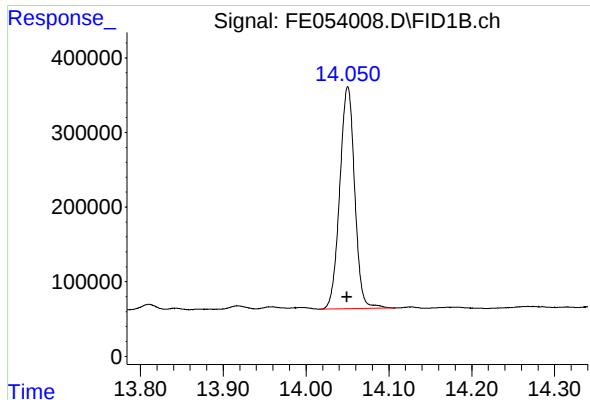
#11 n-Heneicosane (C21)

R.T.: 13.462 min
Delta R.T.: 0.000 min
Response: 3817309
Conc: 29.44 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.295 min
Delta R.T.: 0.000 min
Response: 5138505
Conc: 43.34 ug/ml



#13 n-Docosane (C22)

R.T.: 14.050 min
Delta R.T.: 0.000 min
Response: 3725208
Conc: 29.20 ug/ml

Instrument :

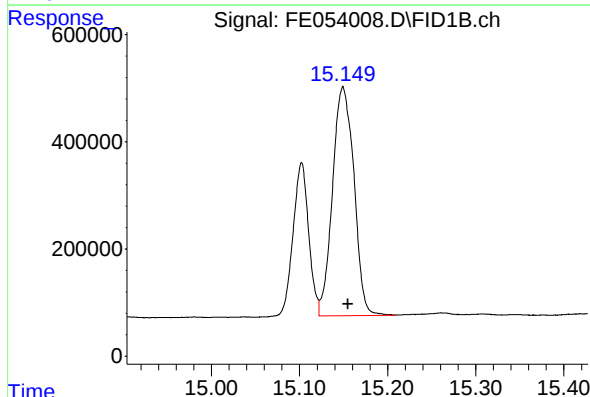
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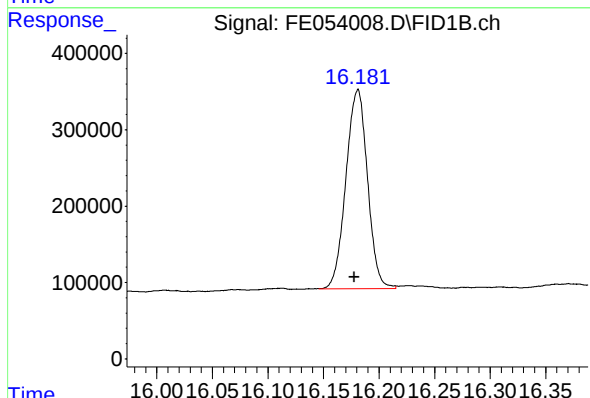
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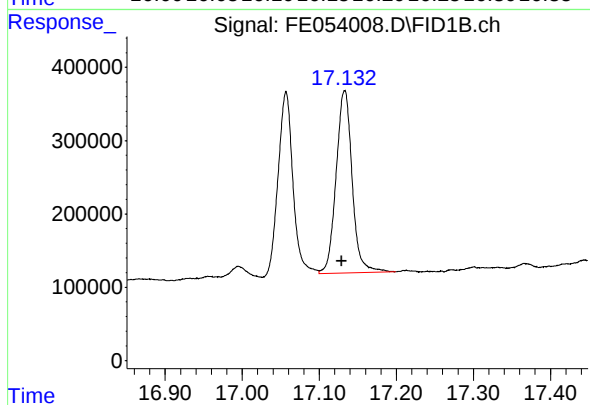
#14 n-Tetracosane (C24)

R.T.: 15.149 min
Delta R.T.: -0.006 min
Response: 7209140
Conc: 57.62 ug/ml m



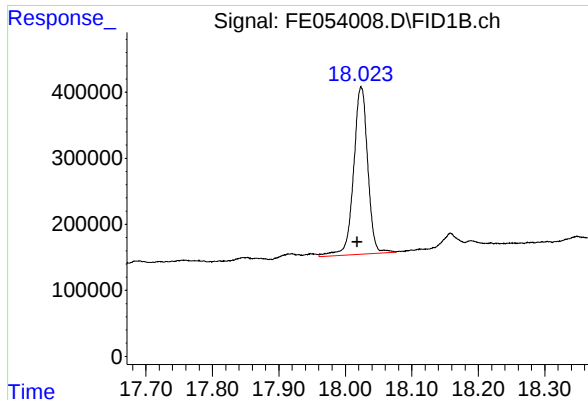
#15 n-Hexacosane (C26)

R.T.: 16.181 min
Delta R.T.: 0.003 min
Response: 3516826
Conc: 28.72 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.133 min
Delta R.T.: 0.004 min
Response: 3602532
Conc: 29.63 ug/ml



#17 n-Tricontane (C30)

R.T.: 18.024 min
Delta R.T.: 0.006 min
Response: 3745753
Conc: 30.07 ug/ml

Instrument :

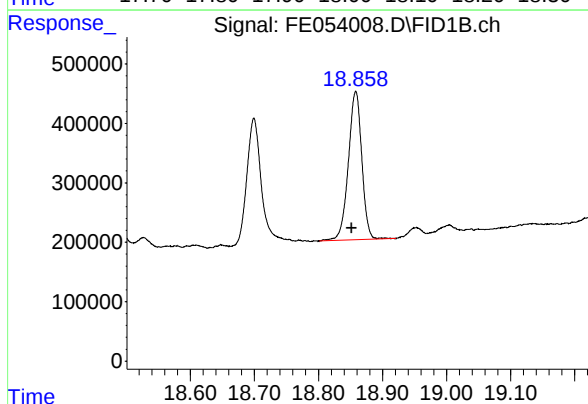
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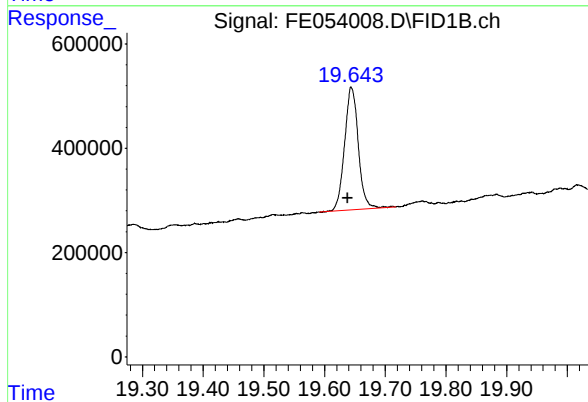
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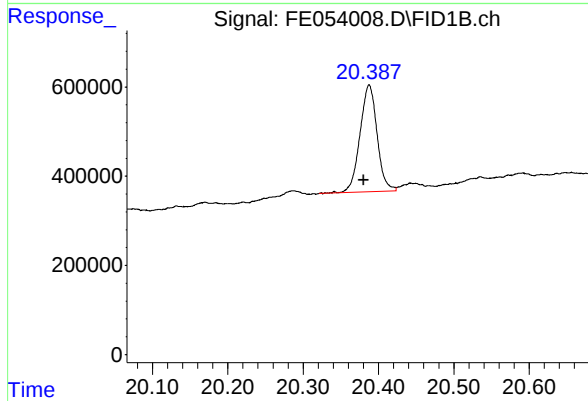
#18 n-Dotriacontane (C32)

R.T.: 18.858 min
Delta R.T.: 0.006 min
Response: 3626916
Conc: 29.00 ug/ml



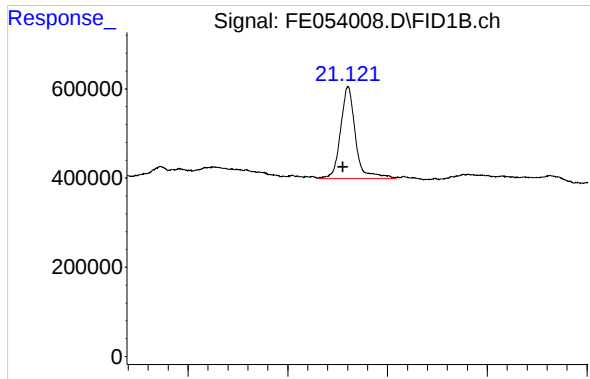
#19 n-Tetratriacontane (C34)

R.T.: 19.645 min
Delta R.T.: 0.007 min
Response: 3698302
Conc: 31.05 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.388 min
Delta R.T.: 0.007 min
Response: 3787948
Conc: 32.71 ug/ml



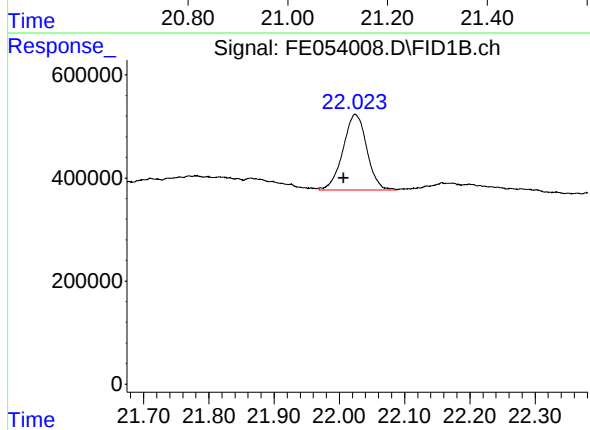
#21 n-Octatriacontane (C38)

R.T.: 21.121 min
Delta R.T.: 0.010 min
Response: 4316874
Conc: 39.67 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.023 min
Delta R.T.: 0.017 min
Response: 3718586
Conc: 37.47 ug/ml m