

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061325AL\
 Data File : FE054349.D
 Signal(s) : FID1B.ch
 Acq On : 12 Jun 2025 20:43
 Operator : YP\AJ
 Sample : PB168438BS
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

PB168438BS

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 05:42:17 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)	11.828	6925137	41.911 ug/ml
Spiked Amount 50.000		Recovery =	83.82%
12) S 1-chlorooctadecane (S...	13.271	5625467	46.130 ug/mlm
Spiked Amount 50.000		Recovery =	92.26%
Target Compounds			
1) T n-Nonane (C9)	3.184	4425768	35.640 ug/ml
2) T n-Decane (C10)	4.443	4696880	37.801 ug/ml
3) T A~Naphthalene (C11.7)	6.154	6026024	44.591 ug/ml
4) T n-Dodecane (C12)	6.621	5364849	42.133 ug/ml
5) T A~2-methylnaphthalene...	7.255	5678965	42.875 ug/ml
6) T n-Tetradecane (C14)	8.456	5588235	43.164 ug/ml
7) T n-Hexadecane (C16)	10.067	5768264	43.423 ug/ml
8) T n-Octadecane (C18)	11.514	5865393	43.437 ug/ml
10) T n-Eicosane (C20)	12.826	6101446	45.609 ug/ml
11) T n-Heneicosane (C21)	13.439	5861445	44.082 ug/ml
13) T n-Docosane (C22)	14.026	5819286	44.381 ug/ml
14) T n-Tetracosane (C24)	15.127	12013639	93.133 ug/ml
15) T n-Hexacosane (C26)	16.156	5643556	44.958 ug/ml
16) T n-Octacosane (C28)	17.107	5981593	48.777 ug/mlm
17) T n-Tricontane (C30)	17.996	5460820	44.059 ug/ml
18) T n-Dotriacontane (C32)	18.827	5016966	39.930 ug/mlm
19) T n-Tetratriacontane (C34)	19.610	3283461	26.393 ug/mlm
20) T n-Hexatriacontane (C36)	20.351	1639271	12.734 ug/mlm
21) T n-Octatriacontane (C38)	21.076	795620	6.026 ug/mlm
22) T n-Tetracontane (C40)	21.964	475520	3.530 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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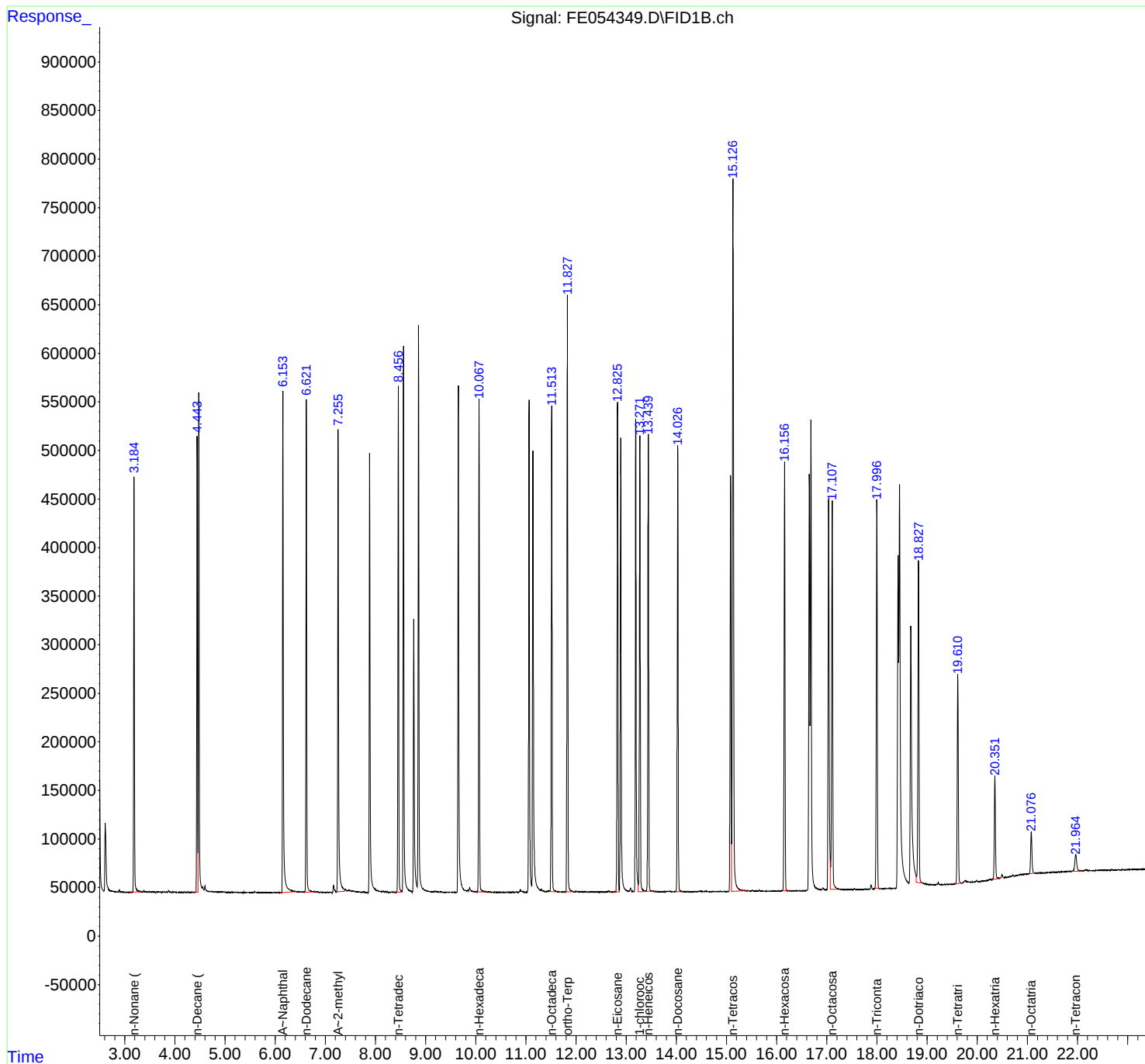
Response via : Initial Calibration

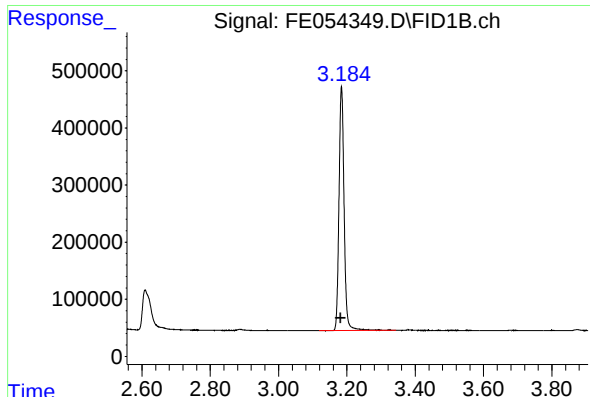
Integrator: ChemStation

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Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um





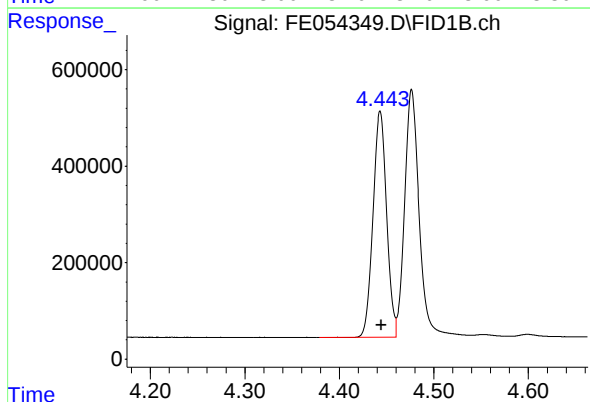
#1 n-Nonane (C9)

R.T.: 3.184 min
Delta R.T.: 0.003 min
Response: 4425768
Conc: 35.64 ug/ml

Instrument :
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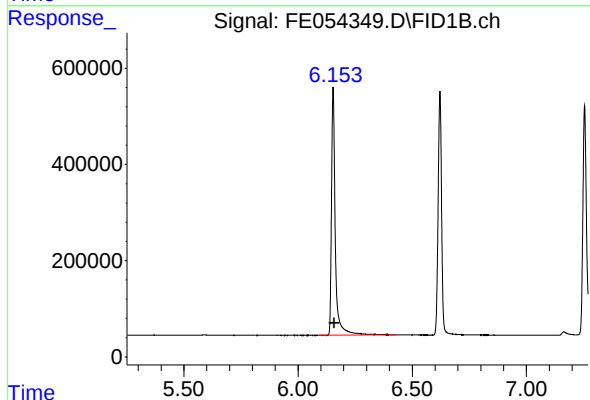
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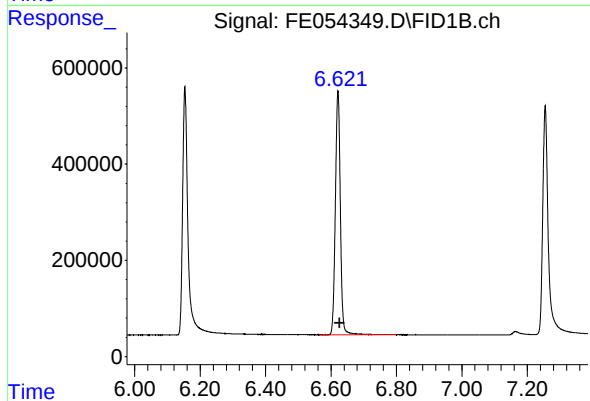
#2 n-Decane (C10)

R.T.: 4.443 min
Delta R.T.: -0.001 min
Response: 4696880
Conc: 37.80 ug/ml



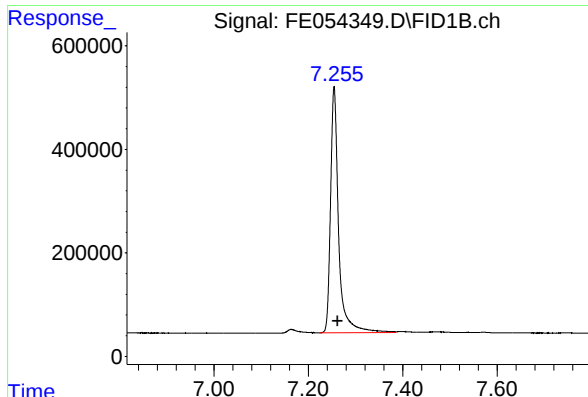
#3 A~Naphthalene (C11.7)

R.T.: 6.154 min
Delta R.T.: -0.007 min
Response: 6026024
Conc: 44.59 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.621 min
Delta R.T.: -0.005 min
Response: 5364849
Conc: 42.13 ug/ml



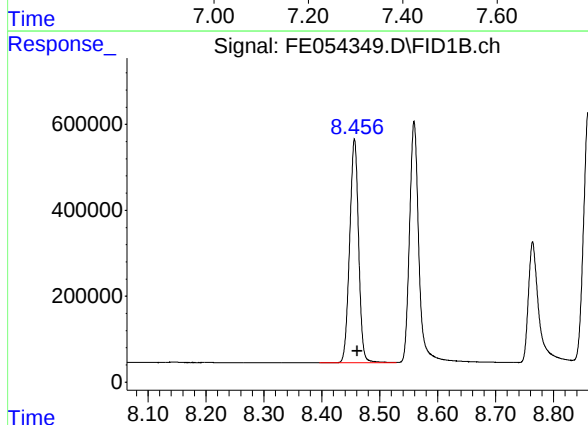
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.255 min
Delta R.T.: -0.008 min
Response: 5678965
Conc: 42.88 ug/ml

Instrument :
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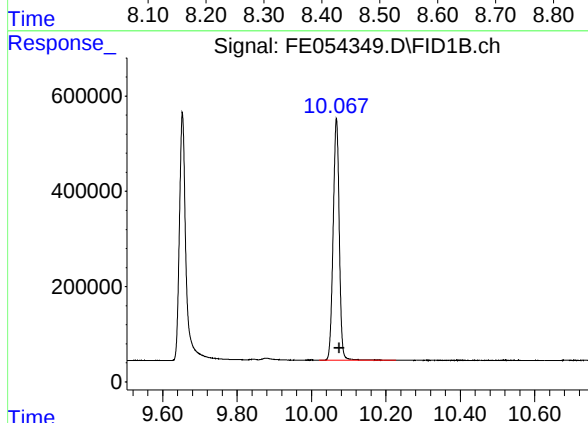
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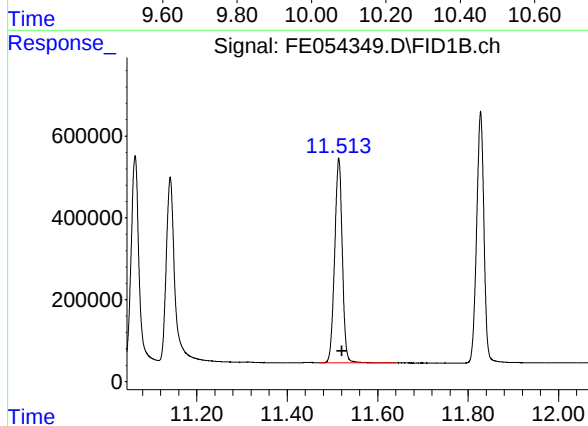
#6 n-Tetradecane (C14)

R.T.: 8.456 min
Delta R.T.: -0.005 min
Response: 5588235
Conc: 43.16 ug/ml



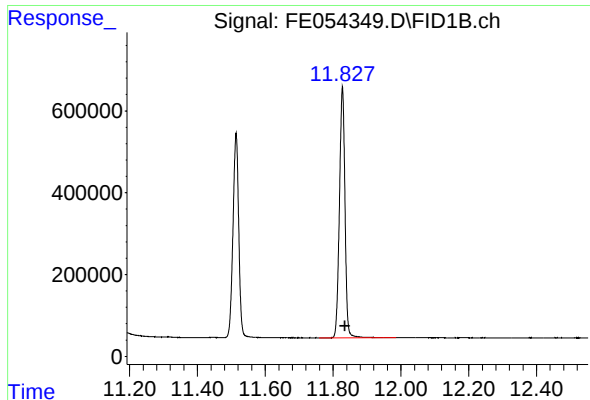
#7 n-Hexadecane (C16)

R.T.: 10.067 min
Delta R.T.: -0.007 min
Response: 5768264
Conc: 43.42 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.514 min
Delta R.T.: -0.007 min
Response: 5865393
Conc: 43.44 ug/ml



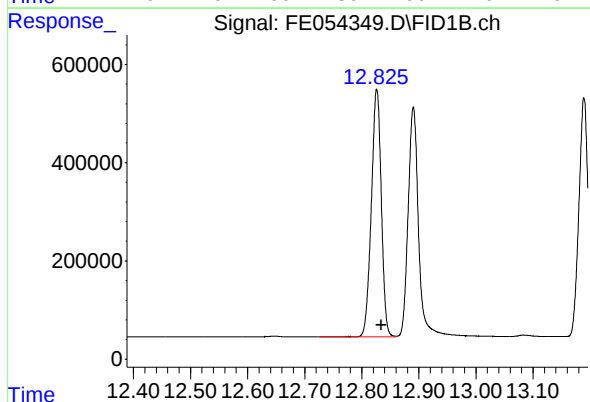
#9 ortho-Terphenyl (SURR)

R.T.: 11.828 min
Delta R.T.: -0.007 min
Response: 6925137
Conc: 41.91 ug/ml

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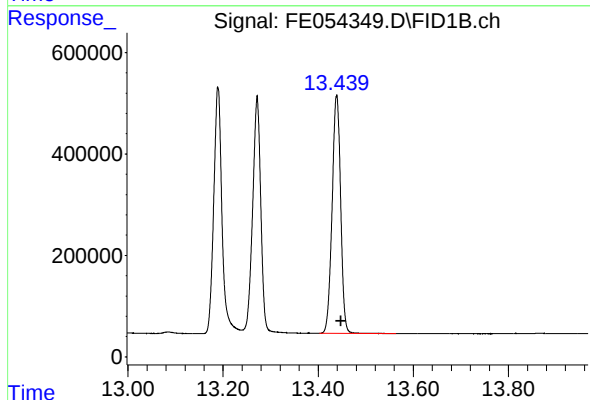
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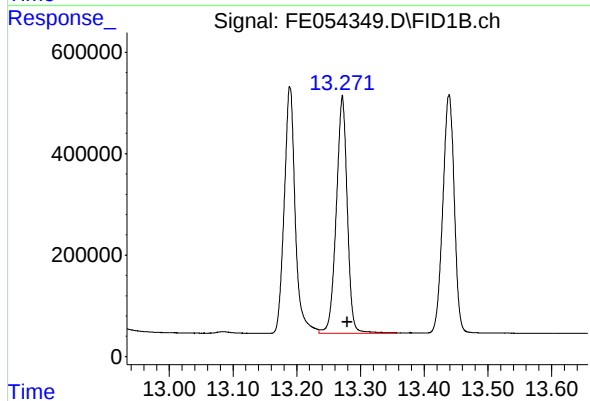
#10 n-Eicosane (C20)

R.T.: 12.826 min
Delta R.T.: -0.008 min
Response: 6101446
Conc: 45.61 ug/ml



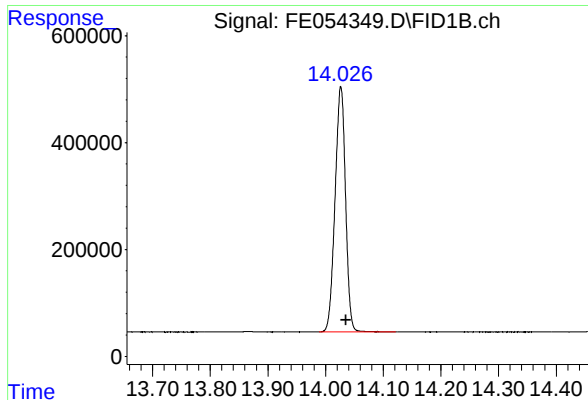
#11 n-Heneicosane (C21)

R.T.: 13.439 min
Delta R.T.: -0.009 min
Response: 5861445
Conc: 44.08 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.271 min
Delta R.T.: -0.008 min
Response: 5625467
Conc: 46.13 ug/ml m



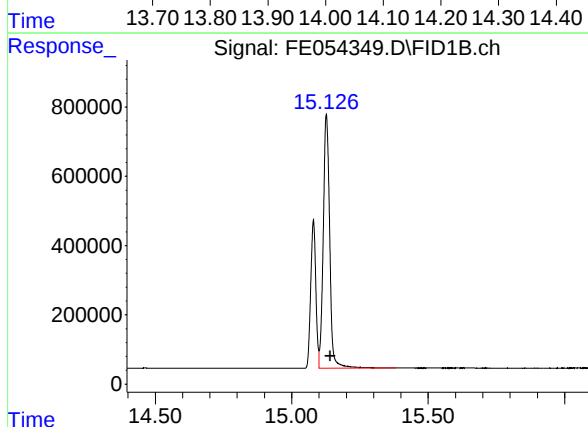
#13 n-Docosane (C22)

R.T.: 14.026 min
Delta R.T.: -0.009 min
Response: 5819286
Conc: 44.38 ug/ml

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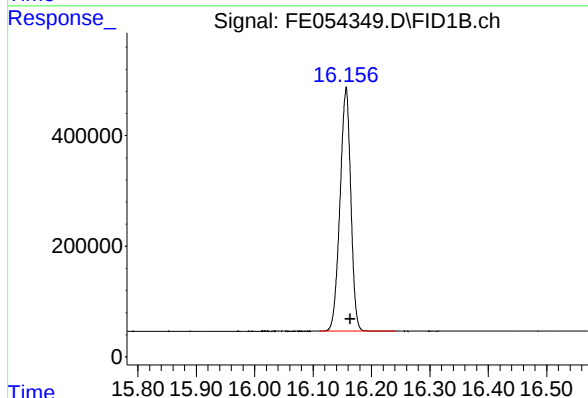
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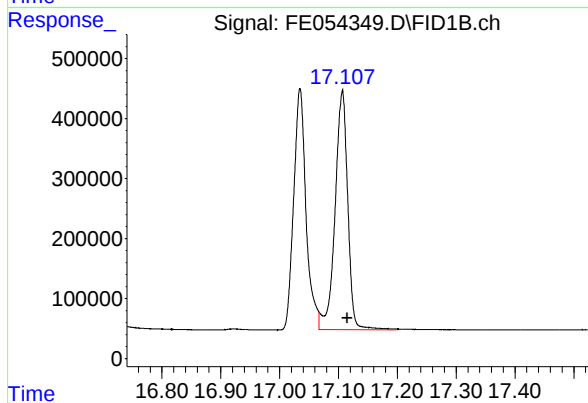
#14 n-Tetracosane (C24)

R.T.: 15.127 min
Delta R.T.: -0.014 min
Response: 12013639
Conc: 93.13 ug/ml



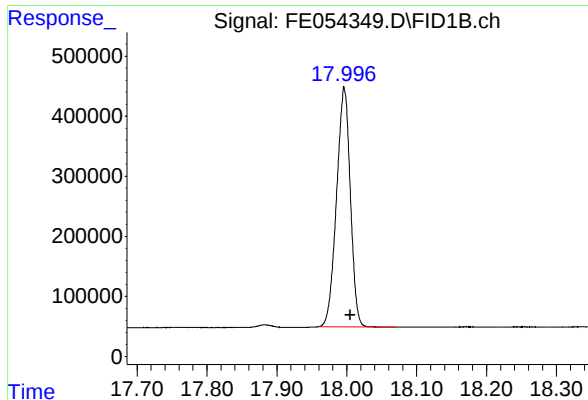
#15 n-Hexacosane (C26)

R.T.: 16.156 min
Delta R.T.: -0.008 min
Response: 5643556
Conc: 44.96 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.107 min
Delta R.T.: -0.008 min
Response: 5981593
Conc: 48.78 ug/ml m



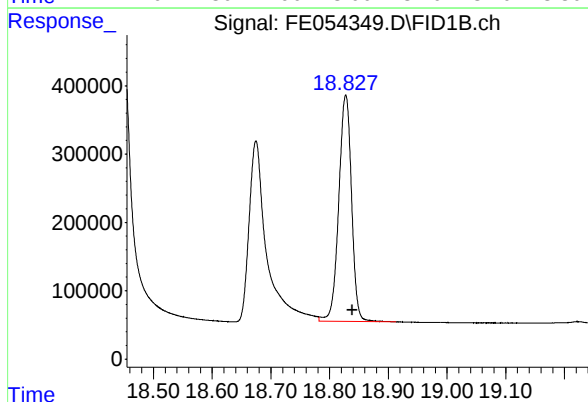
#17 n-Tricontane (C30)

R.T.: 17.996 min
Delta R.T.: -0.009 min
Response: 5460820
Conc: 44.06 ug/ml

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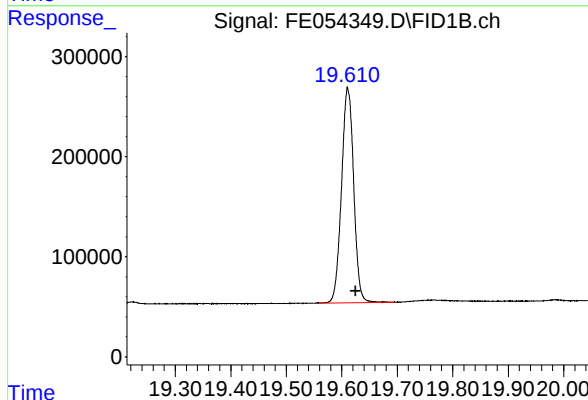
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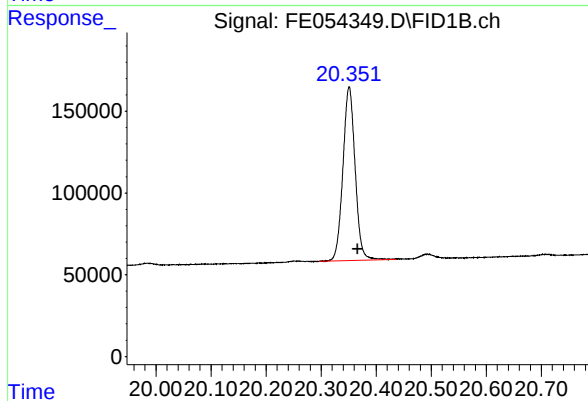
#18 n-Dotriacontane (C32)

R.T.: 18.827 min
Delta R.T.: -0.012 min
Response: 5016966
Conc: 39.93 ug/ml m



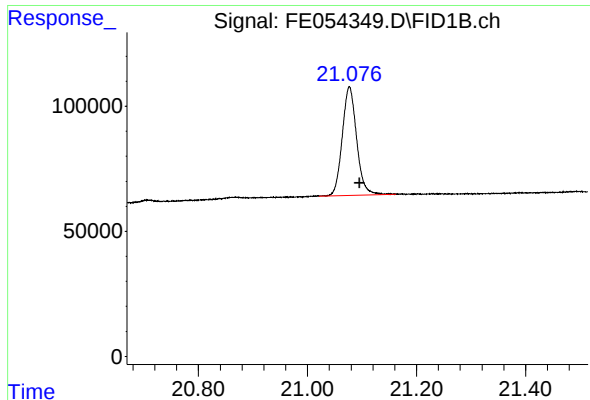
#19 n-Tetratriacontane (C34)

R.T.: 19.610 min
Delta R.T.: -0.015 min
Response: 3283461
Conc: 26.39 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.351 min
Delta R.T.: -0.016 min
Response: 1639271
Conc: 12.73 ug/ml m



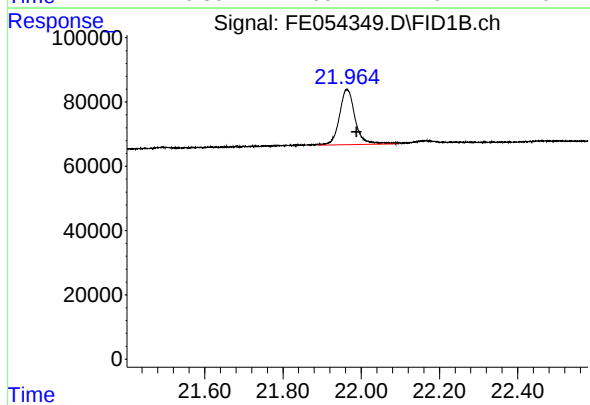
#21 n-Octatriacontane (C38)

R.T.: 21.076 min
Delta R.T.: -0.019 min
Response: 795620
Conc: 6.03 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.964 min
Delta R.T.: -0.024 min
Response: 475520
Conc: 3.53 ug/ml m