

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE052325AL\
 Data File : FE054007.D
 Signal(s) : FID1B.ch
 Acq On : 23 May 2025 18:50
 Operator : YP\AJ
 Sample : Q2113-01MS
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 HD-02-05222025MS

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 23:00:56 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)	11.849	6255996	38.496 ug/ml
Spiked Amount 50.000		Recovery =	76.99%
12) S 1-chlorooctadecane (S...	13.294	5203044	43.889 ug/ml
Spiked Amount 50.000		Recovery =	87.78%
Target Compounds			
1) T n-Nonane (C9)	3.191	2448670	18.118 ug/ml
2) T n-Decane (C10)	4.456	2706896	20.032 ug/ml
3) T A~Naphthalene (C11.7)	6.170	3230541	22.479 ug/ml
4) T n-Dodecane (C12)	6.638	3139043	23.013 ug/ml
5) T A~2-methylnaphthalene...	7.272	3247677	23.414 ug/ml
6) T n-Tetradecane (C14)	8.474	3785034	28.048 ug/ml
7) T n-Hexadecane (C16)	10.085	3993548	29.596 ug/ml
8) T n-Octadecane (C18)	11.534	3977690	29.539 ug/ml
10) T n-Eicosane (C20)	12.848	4000279	30.437 ug/ml
11) T n-Heneicosane (C21)	13.461	3861045	29.782 ug/ml
13) T n-Docosane (C22)	14.050	3773610	29.579 ug/ml
14) T n-Tetracosane (C24)	15.145	7318139	58.491 ug/mlm
15) T n-Hexacosane (C26)	16.180	3551315	29.002 ug/mlm
16) T n-Octacosane (C28)	17.131	3518596	28.944 ug/ml
17) T n-Tricontane (C30)	18.022	3771910	30.281 ug/ml
18) T n-Dotriacontane (C32)	18.856	3588413	28.695 ug/ml
19) T n-Tetratriacontane (C34)	19.643	3662836	30.749 ug/ml
20) T n-Hexatriacontane (C36)	20.384	3912922	33.794 ug/mlm
21) T n-Octatriacontane (C38)	21.119	4462474	41.006 ug/ml
22) T n-Tetracontane (C40)	22.023	3885303	39.154 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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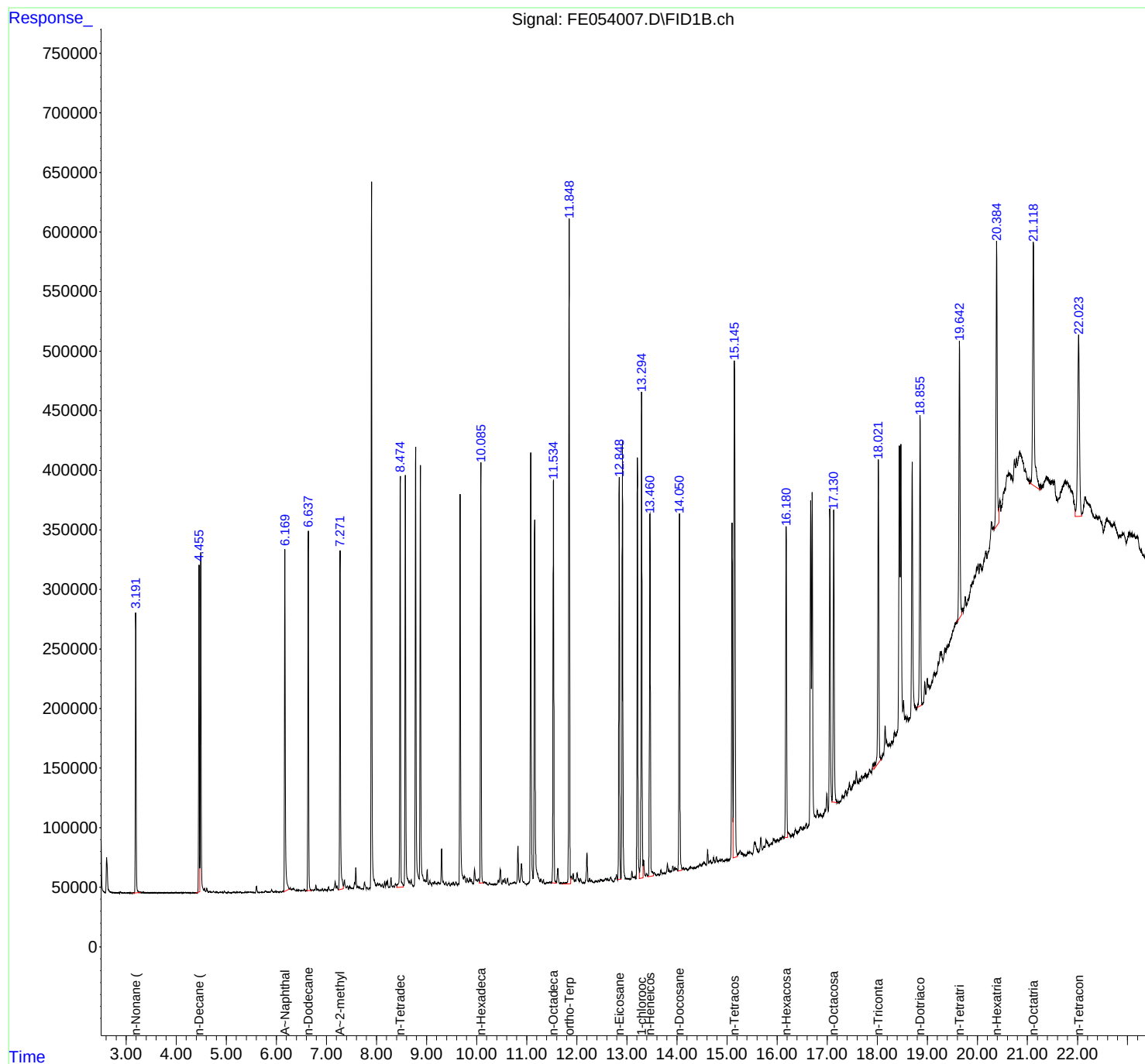
Instrument :
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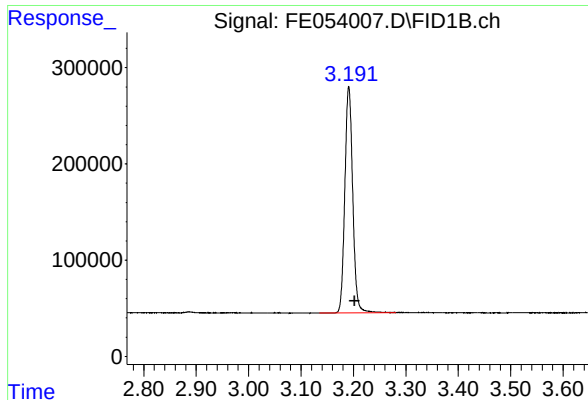
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#1 n-Nonane (C9)

R.T.: 3.191 min
Delta R.T.: -0.011 min
Response: 2448670
Conc: 18.12 ug/ml

Instrument :

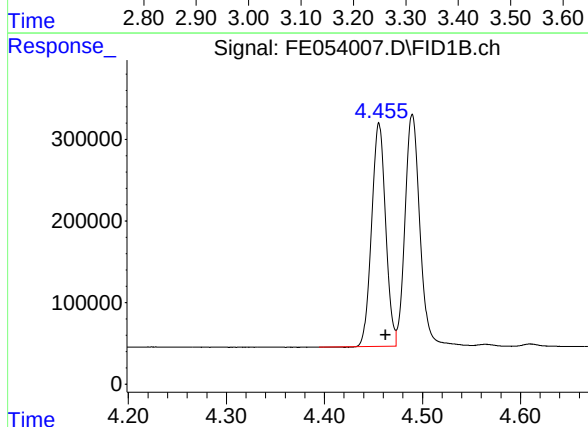
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ClientSampleId :

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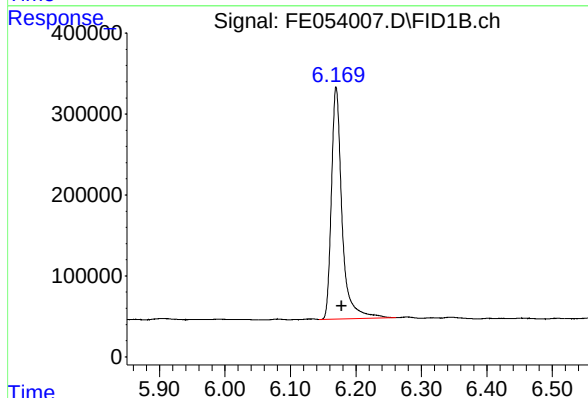
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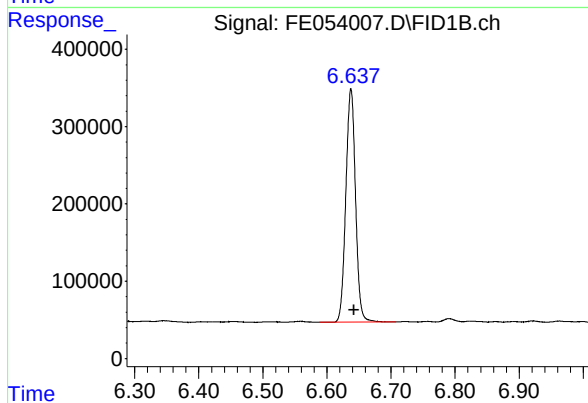
#2 n-Decane (C10)

R.T.: 4.456 min
Delta R.T.: -0.007 min
Response: 2706896
Conc: 20.03 ug/ml



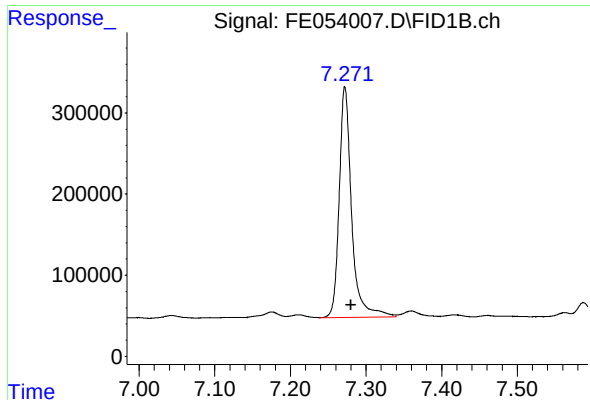
#3 A~Naphthalene (C11.7)

R.T.: 6.170 min
Delta R.T.: -0.008 min
Response: 3230541
Conc: 22.48 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.638 min
Delta R.T.: -0.005 min
Response: 3139043
Conc: 23.01 ug/ml



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

R.T.: 7.272 min
Delta R.T.: -0.008 min
Response: 3247677
Conc: 23.41 ug/ml

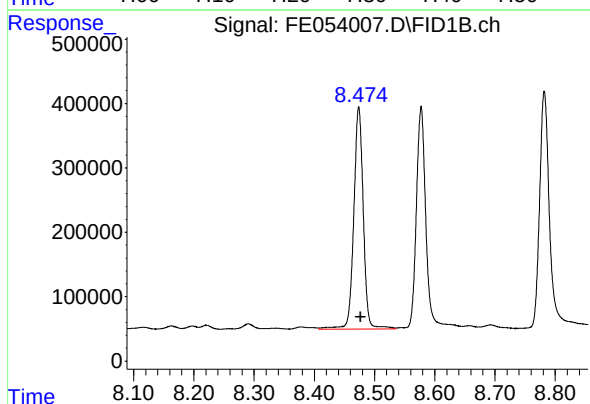
Instrument :

FID_E

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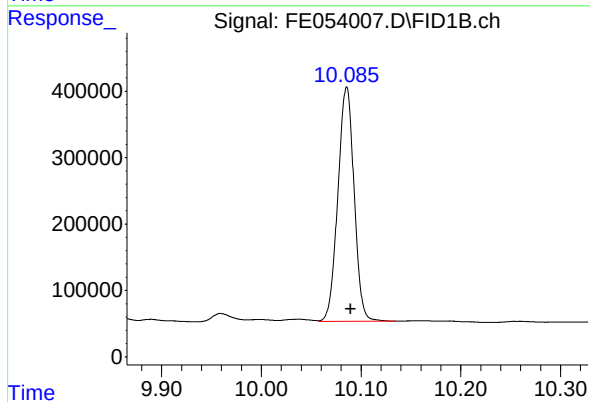
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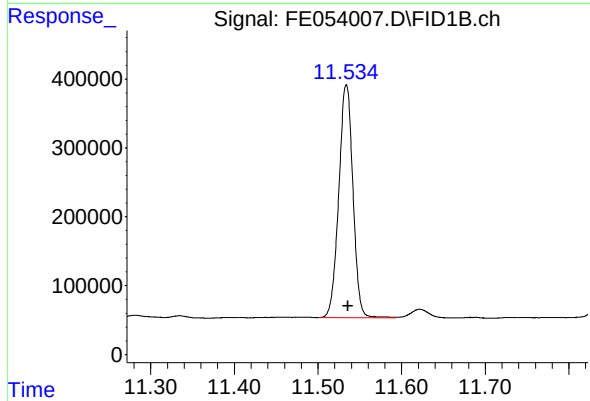
#6 n-Tetradecane (C14)

R.T.: 8.474 min
Delta R.T.: -0.003 min
Response: 3785034
Conc: 28.05 ug/ml



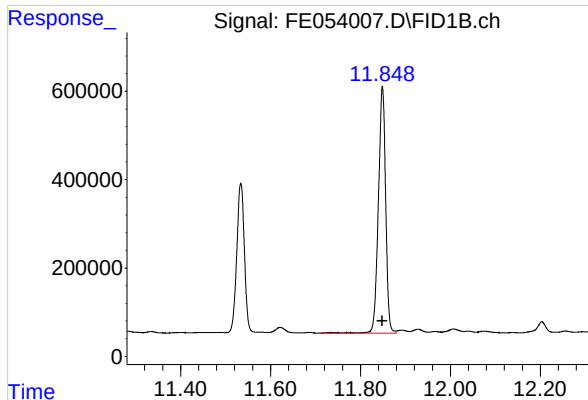
#7 n-Hexadecane (C16)

R.T.: 10.085 min
Delta R.T.: -0.004 min
Response: 3993548
Conc: 29.60 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.534 min
Delta R.T.: -0.002 min
Response: 3977690
Conc: 29.54 ug/ml



#9 ortho-Terphenyl (SURR)

R.T.: 11.849 min
Delta R.T.: 0.000 min
Response: 6255996
Conc: 38.50 ug/ml

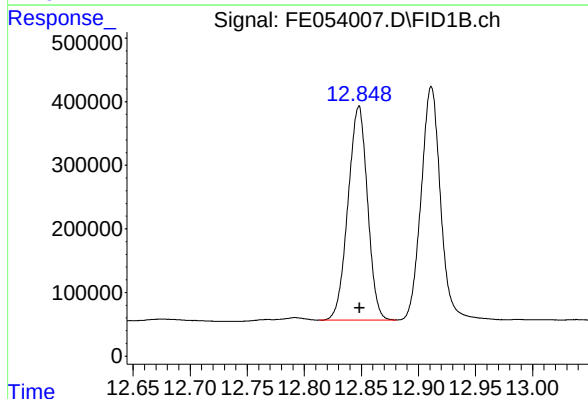
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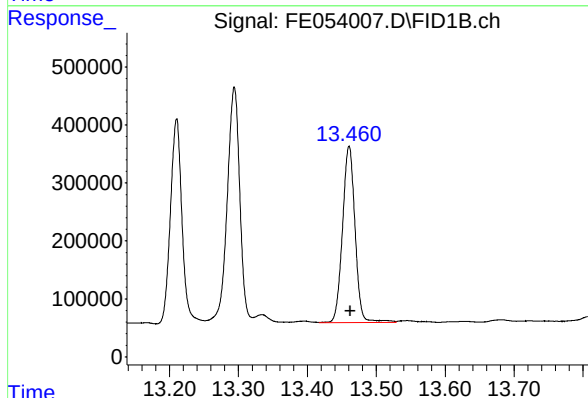
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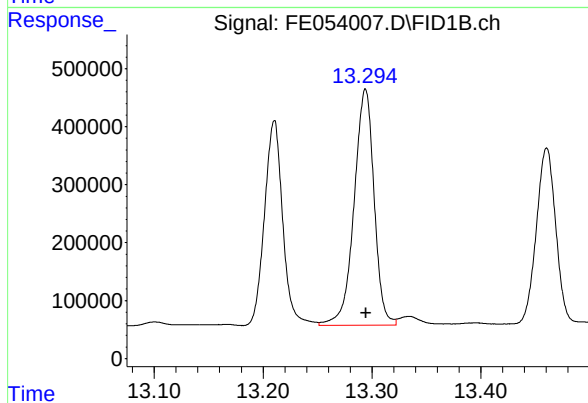
#10 n-Eicosane (C20)

R.T.: 12.848 min
Delta R.T.: -0.001 min
Response: 4000279
Conc: 30.44 ug/ml



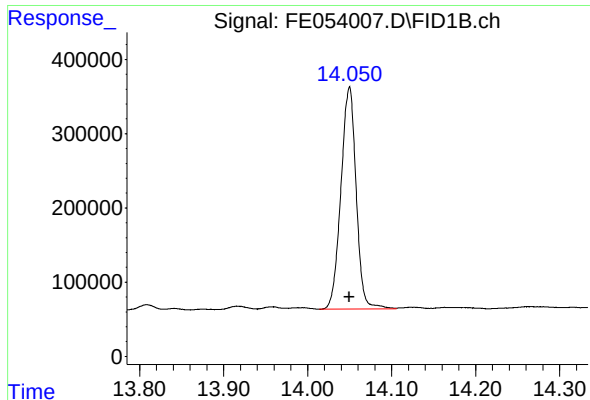
#11 n-Heneicosane (C21)

R.T.: 13.461 min
Delta R.T.: -0.002 min
Response: 3861045
Conc: 29.78 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.294 min
Delta R.T.: 0.000 min
Response: 5203044
Conc: 43.89 ug/ml



#13 n-Docosane (C22)

R.T.: 14.050 min
Delta R.T.: 0.000 min
Response: 3773610
Conc: 29.58 ug/ml

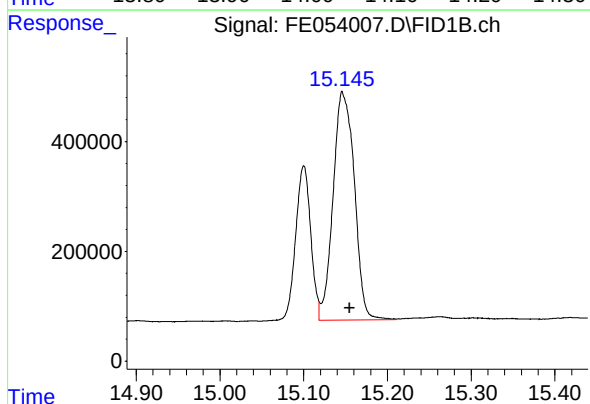
Instrument :

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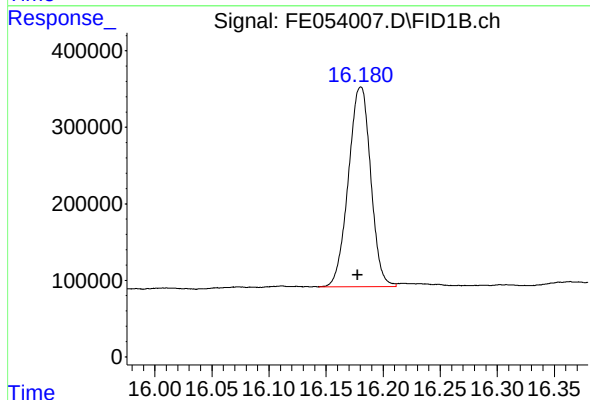
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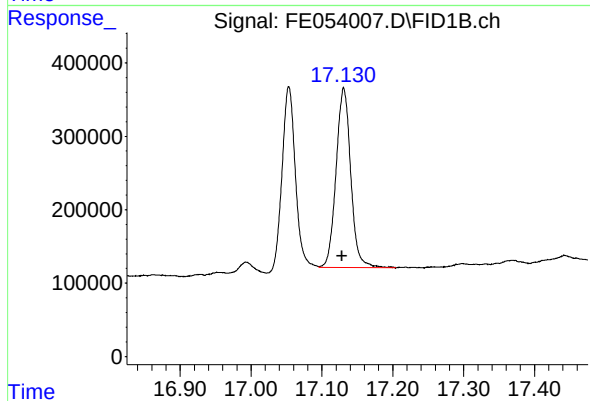
#14 n-Tetracosane (C24)

R.T.: 15.145 min
Delta R.T.: -0.009 min
Response: 7318139
Conc: 58.49 ug/ml m



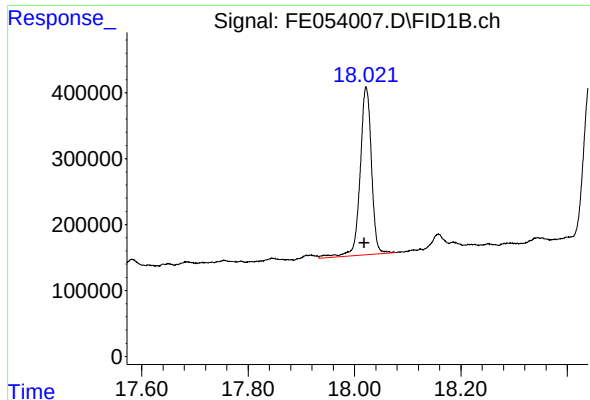
#15 n-Hexacosane (C26)

R.T.: 16.180 min
Delta R.T.: 0.002 min
Response: 3551315
Conc: 29.00 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.131 min
Delta R.T.: 0.002 min
Response: 3518596
Conc: 28.94 ug/ml



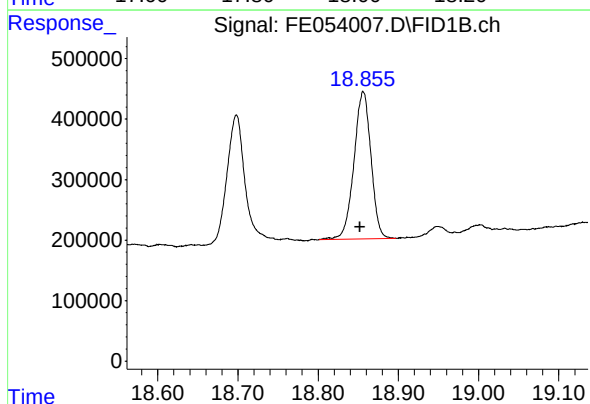
#17 n-Tricontane (C30)

R.T.: 18.022 min
Delta R.T.: 0.004 min
Response: 3771910
Conc: 30.28 ug/ml

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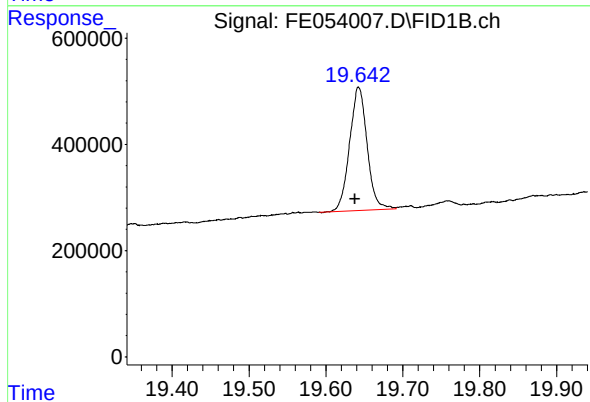
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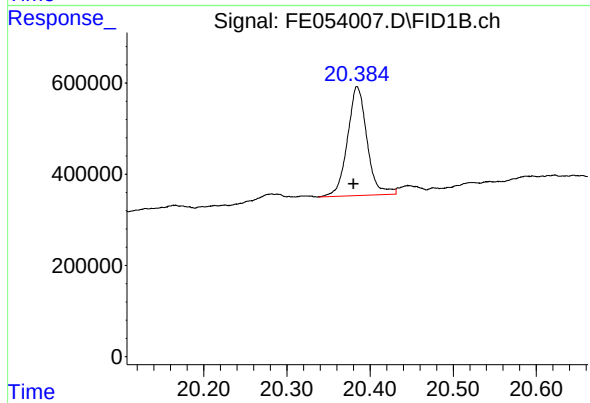
#18 n-Dotriacontane (C32)

R.T.: 18.856 min
Delta R.T.: 0.004 min
Response: 3588413
Conc: 28.69 ug/ml



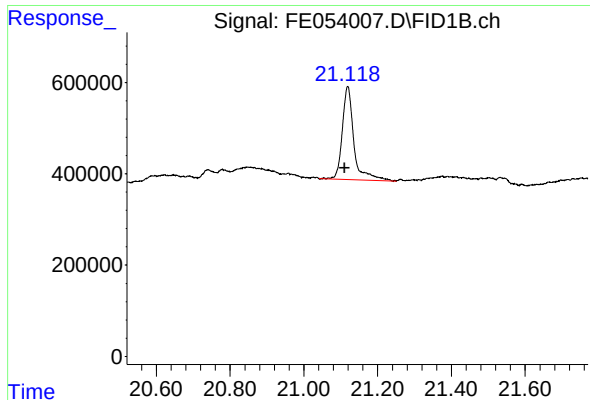
#19 n-Tetatriacontane (C34)

R.T.: 19.643 min
Delta R.T.: 0.005 min
Response: 3662836
Conc: 30.75 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.384 min
Delta R.T.: 0.004 min
Response: 3912922
Conc: 33.79 ug/ml m



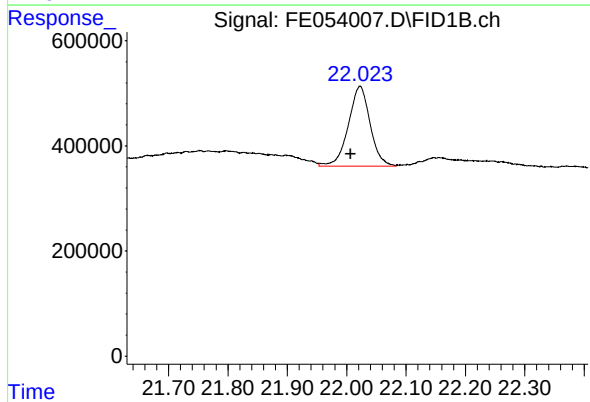
#21 n-Octatriacontane (C38)

R.T.: 21.119 min
Delta R.T.: 0.008 min
Response: 4462474
Conc: 41.01 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.023 min
Delta R.T.: 0.016 min
Response: 3885303
Conc: 39.15 ug/ml m