

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE121624AL\
 Data File : FE051659.D
 Signal(s) : FID1B.ch
 Acq On : 16 Dec 2024 10:00
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/17/2024
 Supervised By :Ankita Jodhani 12/17/2024

Integration File: autoint1.e
 Quant Time: Dec 17 00:22:15 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 121224.M
 Quant Title : GC Extractables
 QLast Update : Thu Dec 12 15:49:08 2024
 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)	12.008	3355736	21.707 ug/ml
Spiked Amount 50.000		Recovery =	43.41%
12) S 1-chlorooctadecane (S...	13.430	2629219	21.181 ug/ml
Spiked Amount 50.000		Recovery =	42.36%
Target Compounds			
1) T n-Nonane (C9)	3.484	2367976	20.355 ug/ml
2) T n-Decane (C10)	4.716	2536755	21.240 ug/ml
3) T A~Naphthalene (C11.7)	6.402	2897362	21.498 ug/ml
4) T n-Dodecane (C12)	6.851	2662854	21.676 ug/ml
5) T A~2-methylnaphthalene...	7.484	2890016	21.797 ug/ml
6) T n-Tetradecane (C14)	8.661	2756029	21.964 ug/ml
7) T n-Hexadecane (C16)	10.255	2954915	21.985 ug/ml
8) T n-Octadecane (C18)	11.687	3071243	21.747 ug/ml
10) T n-Eicosane (C20)	12.987	3025272	21.457 ug/ml
11) T n-Heneicosane (C21)	13.594	2997353	21.111 ug/ml
13) T n-Docosane (C22)	14.176	3007420	21.134 ug/ml
14) T n-Tetracosane (C24)	15.272	3026512	20.714 ug/ml
15) T n-Hexacosane (C26)	16.284	2968490	20.399 ug/ml
16) T n-Octacosane (C28)	17.227	2945485	20.177 ug/mlm
17) T n-Tricontane (C30)	18.107	3056062	20.044 ug/ml
18) T n-Dotriacontane (C32)	18.932	2947397	19.665 ug/ml
19) T n-Tetratriacontane (C34)	19.708	2498778	19.037 ug/ml
20) T n-Hexatriacontane (C36)	20.443	2142591	18.476 ug/mlm
21) T n-Octatriacontane (C38)	21.179	1961031	19.045 ug/ml
22) T n-Tetracontane (C40)	22.099	1820919	18.184 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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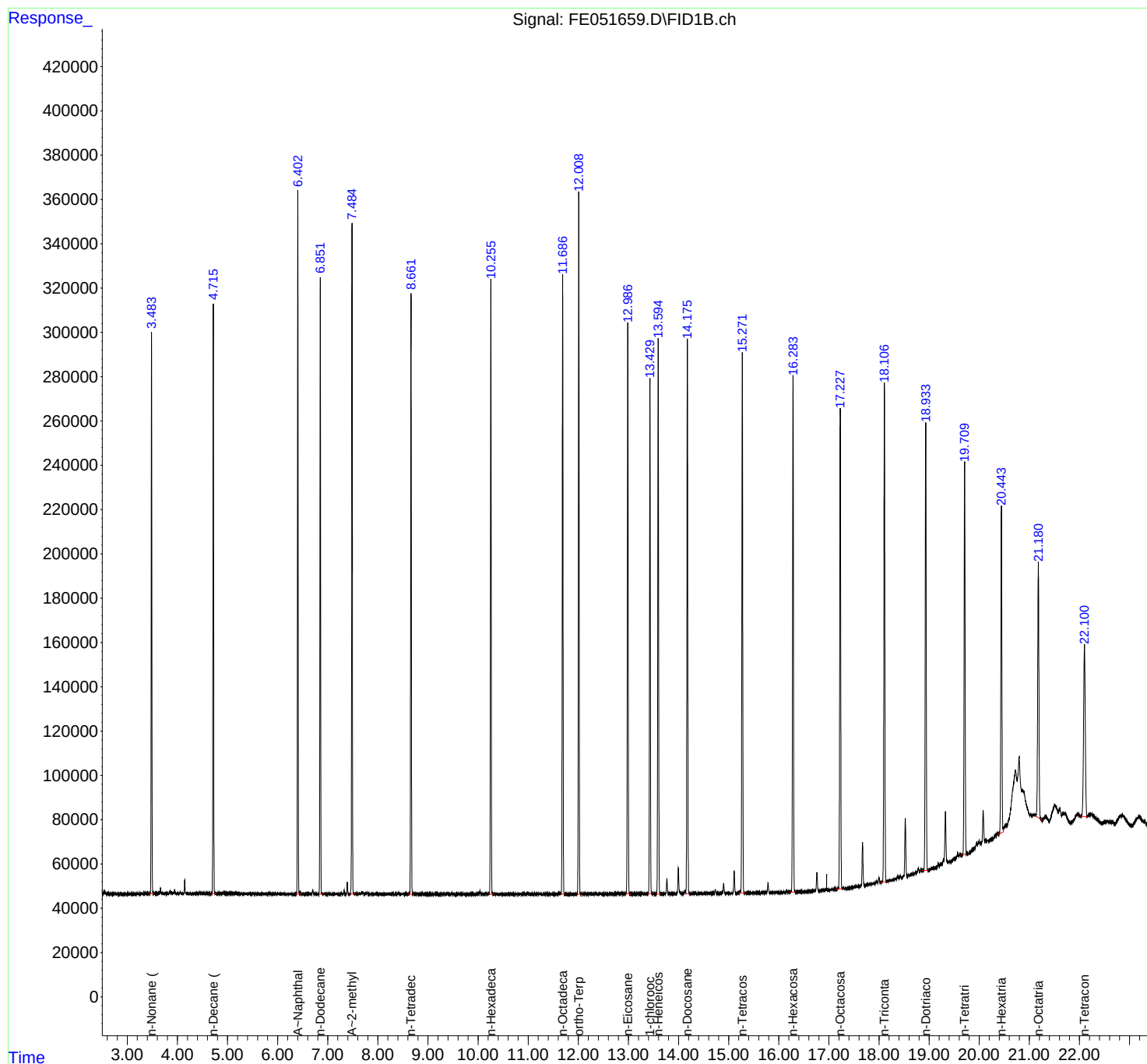
Instrument :
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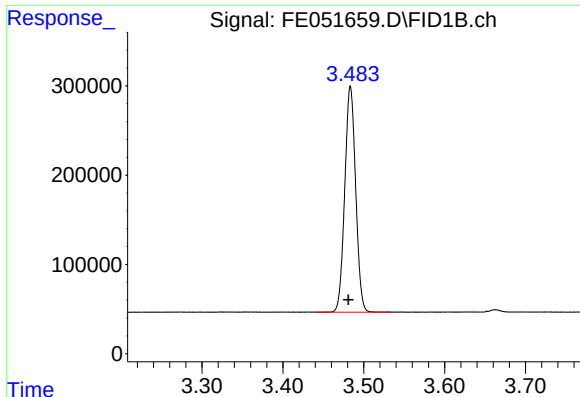
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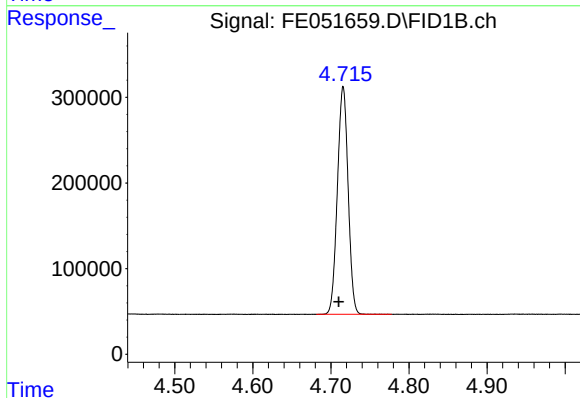
#1 n-Nonane (C9)

R.T.: 3.484 min
Delta R.T.: 0.003 min
Response: 2367976
Conc: 20.36 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

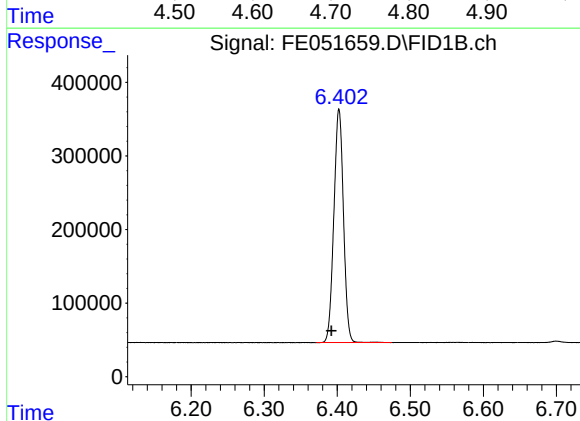
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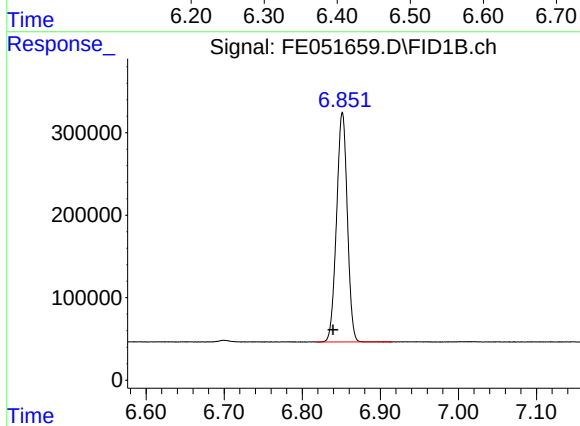
#2 n-Decane (C10)

R.T.: 4.716 min
Delta R.T.: 0.006 min
Response: 2536755
Conc: 21.24 ug/ml



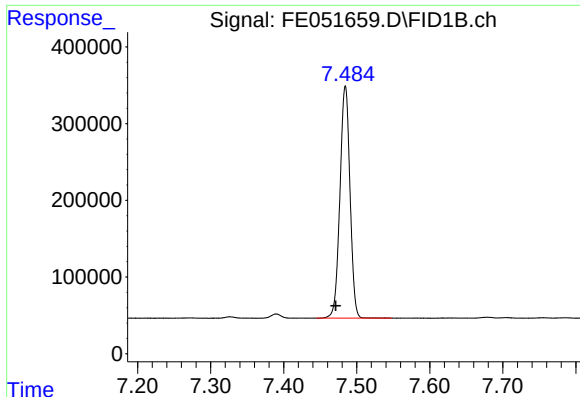
#3 A~Naphthalene (C11.7)

R.T.: 6.402 min
Delta R.T.: 0.010 min
Response: 2897362
Conc: 21.50 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.851 min
Delta R.T.: 0.012 min
Response: 2662854
Conc: 21.68 ug/ml



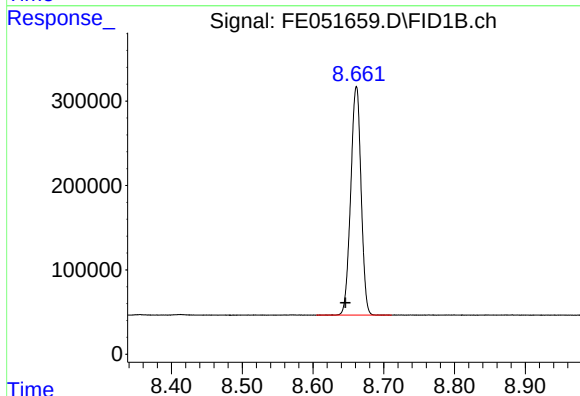
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.484 min
Delta R.T.: 0.013 min
Response: 2890016
Conc: 21.80 ug/ml

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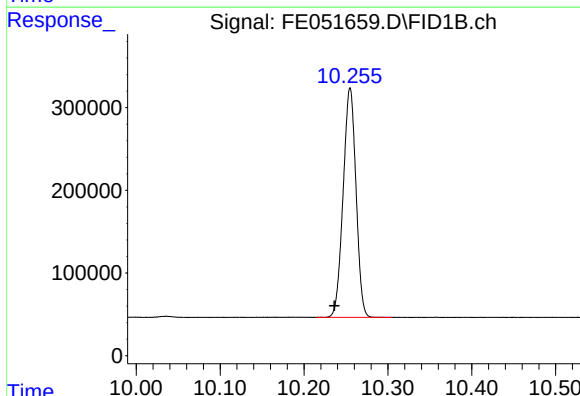
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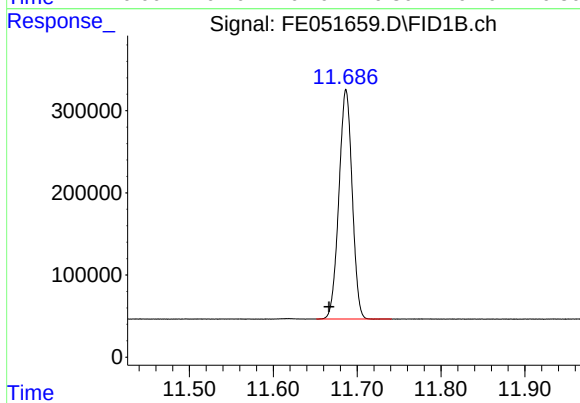
#6 n-Tetradecane (C14)

R.T.: 8.661 min
Delta R.T.: 0.015 min
Response: 2756029
Conc: 21.96 ug/ml



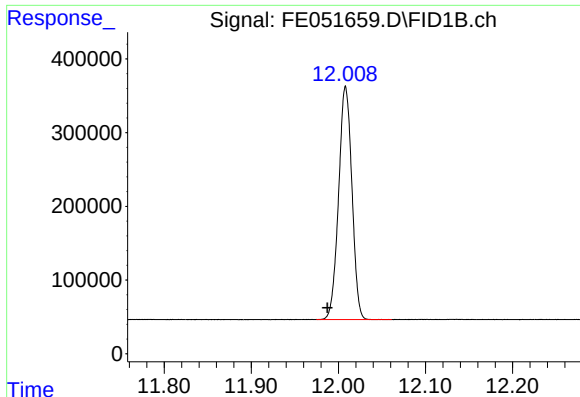
#7 n-Hexadecane (C16)

R.T.: 10.255 min
Delta R.T.: 0.019 min
Response: 2954915
Conc: 21.98 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.687 min
Delta R.T.: 0.020 min
Response: 3071243
Conc: 21.75 ug/ml



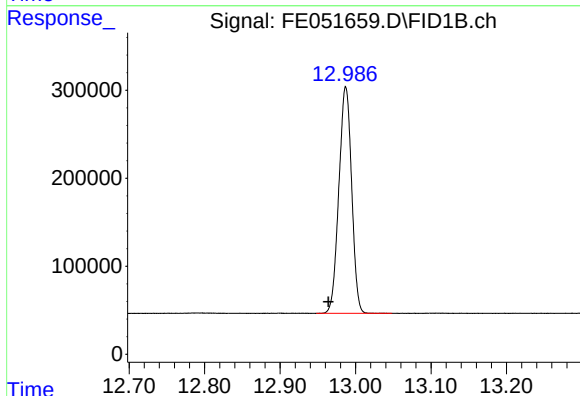
#9 ortho-Terphenyl (SURR)

R.T.: 12.008 min
Delta R.T.: 0.021 min
Response: 3355736
Conc: 21.71 ug/ml

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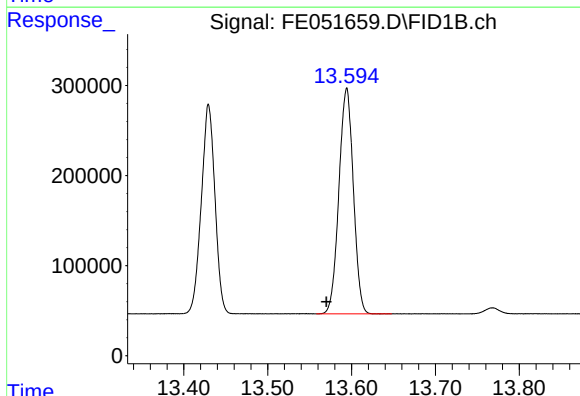
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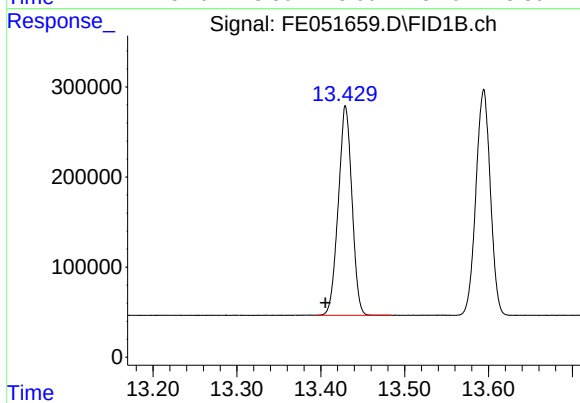
#10 n-Eicosane (C20)

R.T.: 12.987 min
Delta R.T.: 0.023 min
Response: 3025272
Conc: 21.46 ug/ml



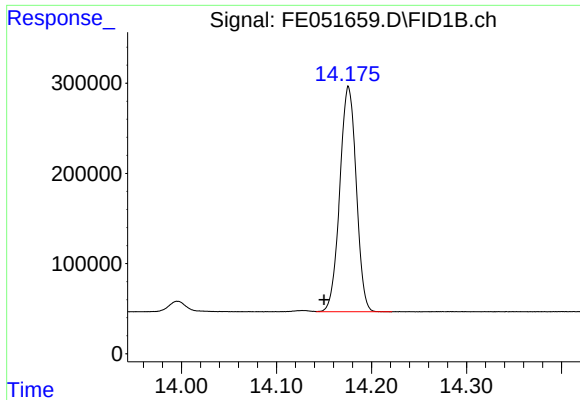
#11 n-Heneicosane (C21)

R.T.: 13.594 min
Delta R.T.: 0.024 min
Response: 2997353
Conc: 21.11 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.430 min
Delta R.T.: 0.024 min
Response: 2629219
Conc: 21.18 ug/ml



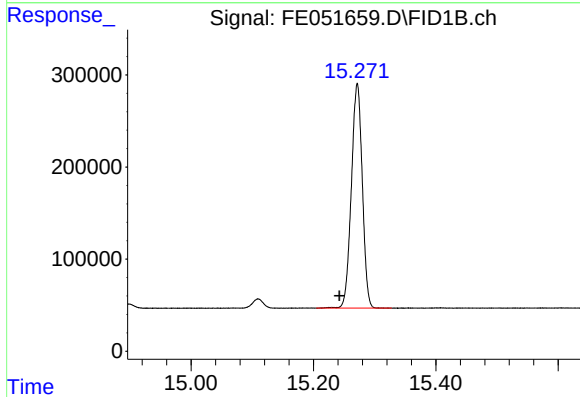
#13 n-Docosane (C22)

R.T.: 14.176 min
Delta R.T.: 0.026 min
Response: 3007420
Conc: 21.13 ug/ml

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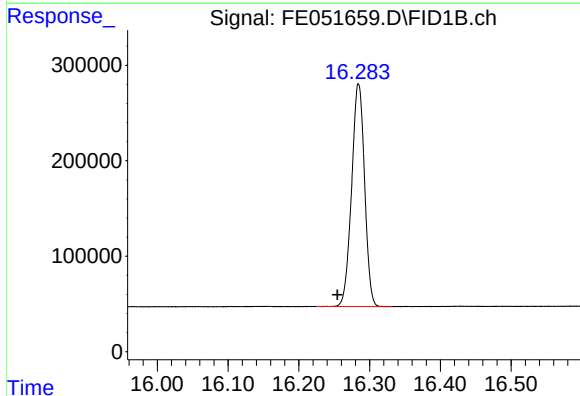
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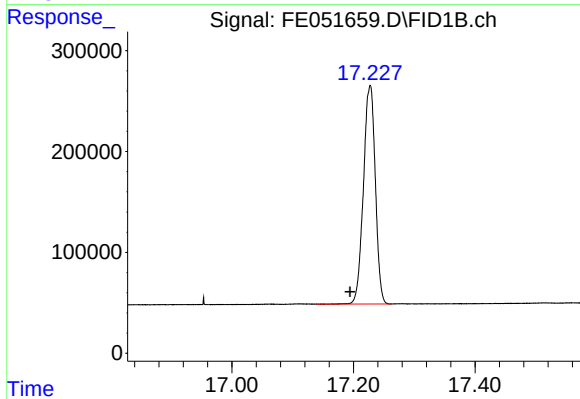
#14 n-Tetracosane (C24)

R.T.: 15.272 min
Delta R.T.: 0.029 min
Response: 3026512
Conc: 20.71 ug/ml



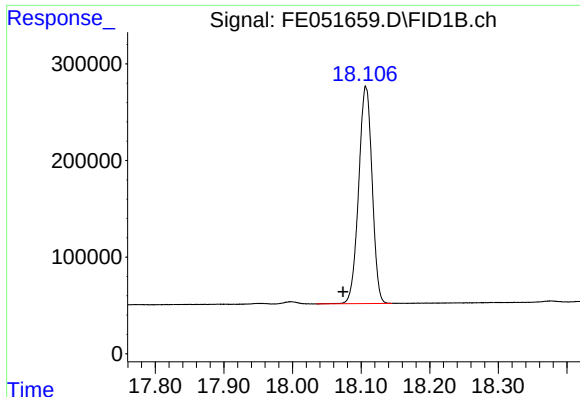
#15 n-Hexacosane (C26)

R.T.: 16.284 min
Delta R.T.: 0.030 min
Response: 2968490
Conc: 20.40 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.227 min
Delta R.T.: 0.033 min
Response: 2945485
Conc: 20.18 ug/ml m



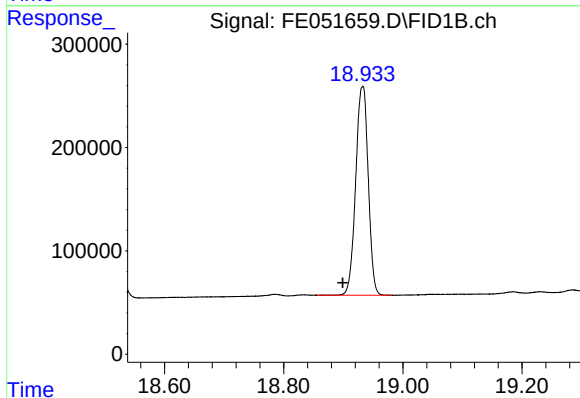
#17 n-Tricontane (C30)

R.T.: 18.107 min
Delta R.T.: 0.033 min
Response: 3056062
Conc: 20.04 ug/ml

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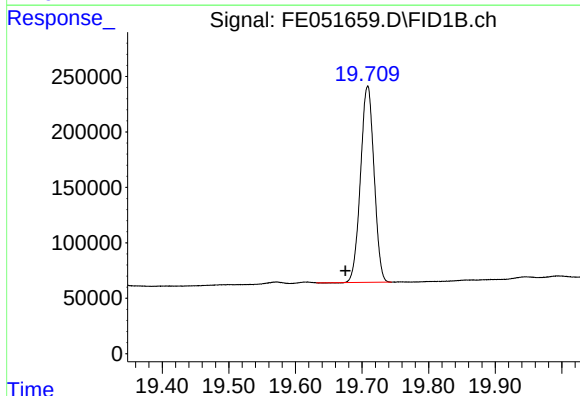
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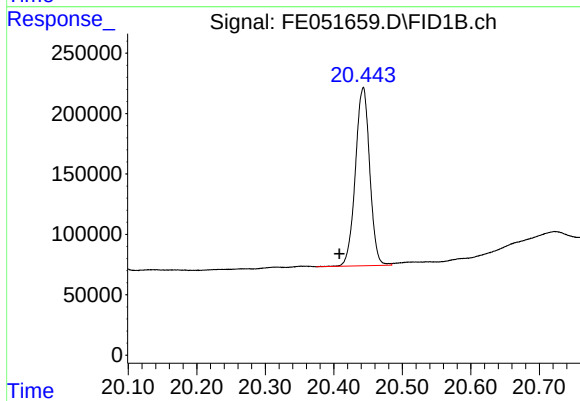
#18 n-Dotriacontane (C32)

R.T.: 18.932 min
Delta R.T.: 0.033 min
Response: 2947397
Conc: 19.66 ug/ml



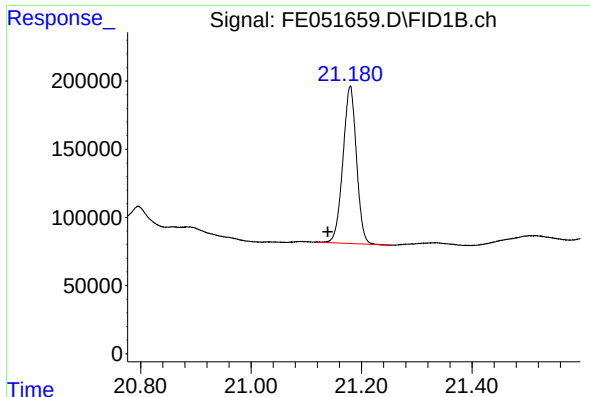
#19 n-Tetratriacontane (C34)

R.T.: 19.708 min
Delta R.T.: 0.033 min
Response: 2498778
Conc: 19.04 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.443 min
Delta R.T.: 0.035 min
Response: 2142591
Conc: 18.48 ug/ml m



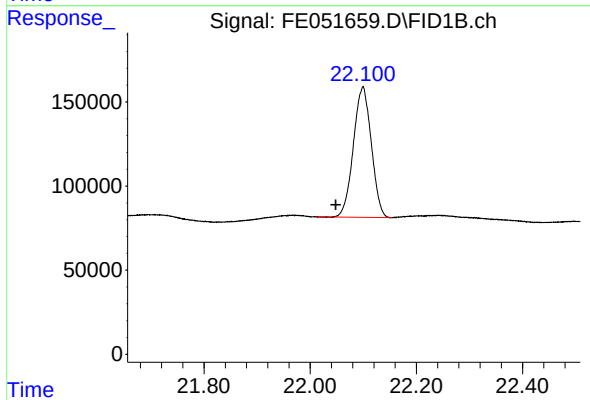
#21 n-Octatriacontane (C38)

R.T.: 21.179 min
Delta R.T.: 0.041 min
Response: 1961031
Conc: 19.05 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.099 min
Delta R.T.: 0.051 min
Response: 1820919
Conc: 18.18 ug/ml