

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110824AL\
 Data File : FE051103.D
 Signal(s) : FID1B.ch
 Acq On : 08 Nov 2024 01:11
 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 11/08/2024
 Supervised By :Ankita Jodhani 11/08/2024

Integration File: autoint1.e
 Quant Time: Nov 08 02:05:03 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 07 04:56:04 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)	11.852	3238964	21.579 ug/ml
Spiked Amount 50.000		Recovery =	43.16%
12) S 1-chlorooctadecane (S...	13.285	2474800	21.798 ug/ml
Spiked Amount 50.000		Recovery =	43.60%
Target Compounds			
1) T n-Nonane (C9)	3.240	3066173	22.159 ug/ml
2) T n-Decane (C10)	4.491	3107767	22.170 ug/ml
3) T A~Naphthalene (C11.7)	6.204	2971207	22.535 ug/ml
4) T n-Dodecane (C12)	6.658	3109964	22.026 ug/ml
5) T A~2-methylnaphthalene...	7.300	2781417	22.235 ug/ml
6) T n-Tetradecane (C14)	8.485	3050755	21.891 ug/ml
7) T n-Hexadecane (C16)	10.091	3086156	21.748 ug/ml
8) T n-Octadecane (C18)	11.532	3081066	21.575 ug/ml
10) T n-Eicosane (C20)	12.839	2946117	21.527 ug/ml
11) T n-Heneicosane (C21)	13.450	2876342	21.522 ug/ml
13) T n-Docosane (C22)	14.036	2881371	21.673 ug/mlm
14) T n-Tetracosane (C24)	15.137	2910453	21.940 ug/ml
15) T n-Hexacosane (C26)	16.157	2927117	21.865 ug/ml
16) T n-Octacosane (C28)	17.105	2944817	21.601 ug/ml
17) T n-Tricontane (C30)	17.992	3076690	21.177 ug/ml
18) T n-Dotriacontane (C32)	18.824	3139758	21.146 ug/ml
19) T n-Tetratriacontane (C34)	19.607	2794090	20.795 ug/ml
20) T n-Hexatriacontane (C36)	20.347	2631216	22.052 ug/ml
21) T n-Octatriacontane (C38)	21.069	2148792	18.880 ug/ml
22) T n-Tetracontane (C40)	21.950	1810445	16.278 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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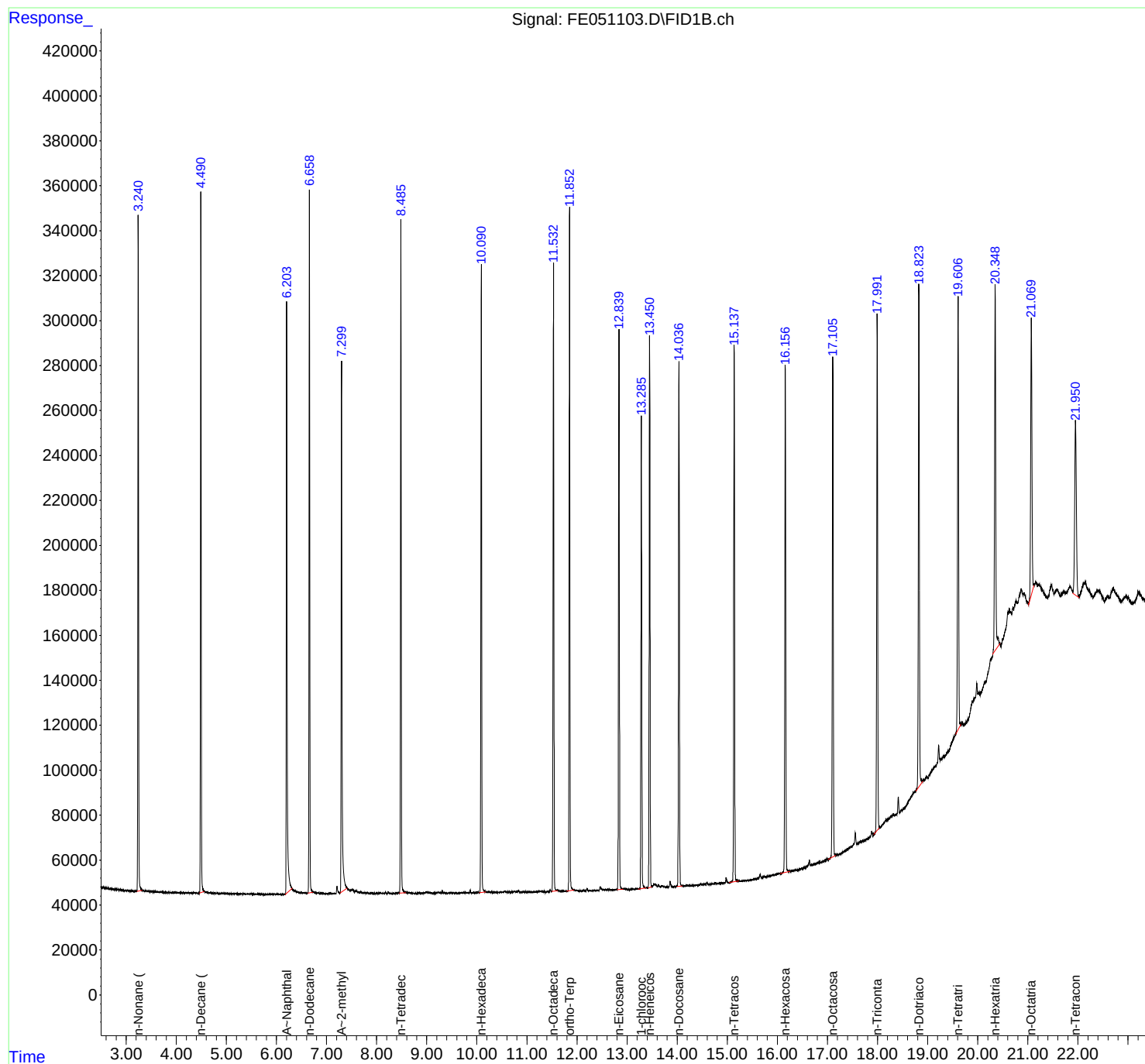
Instrument :
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20 PPM ALIPHATIC HC STD

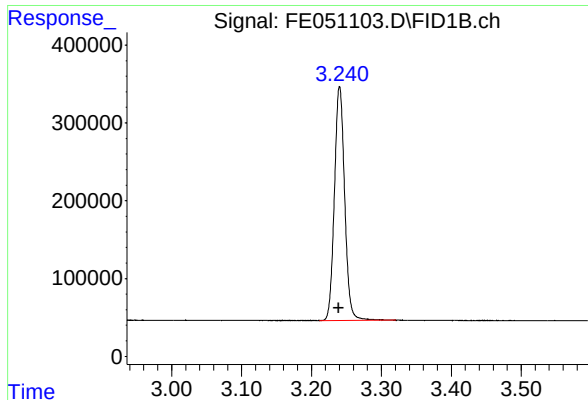
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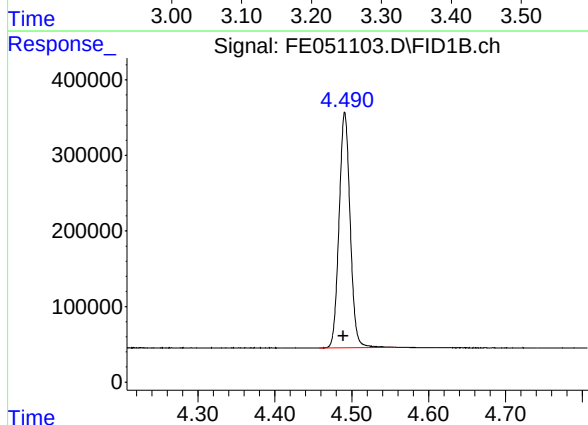
#1 n-Nonane (C9)

R.T.: 3.240 min
Delta R.T.: 0.001 min
Response: 3066173
Conc: 22.16 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

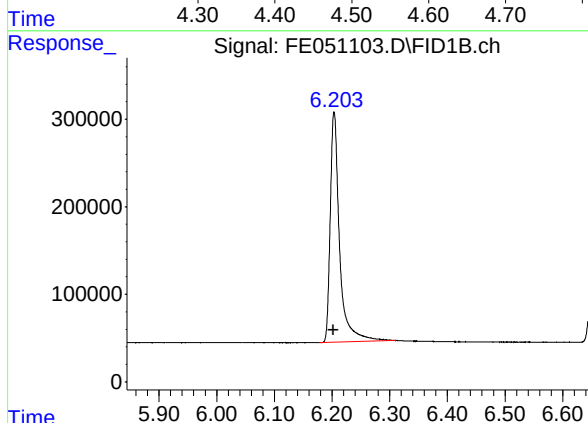
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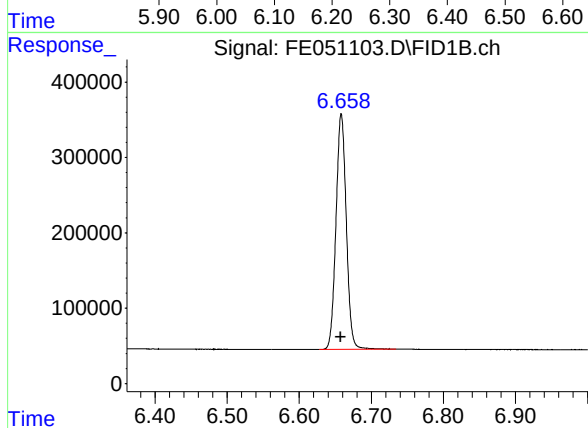
#2 n-Decane (C10)

R.T.: 4.491 min
Delta R.T.: 0.002 min
Response: 3107767
Conc: 22.17 ug/ml



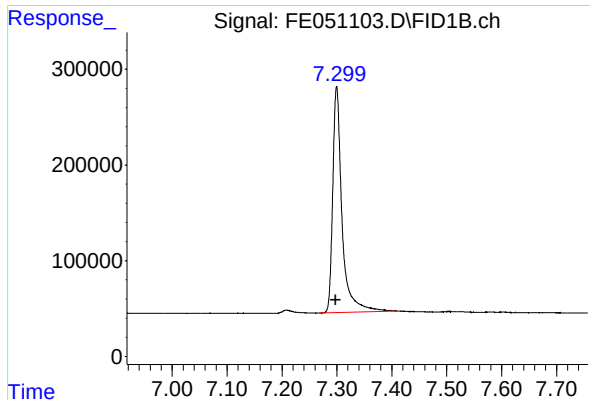
#3 A~Naphthalene (C11.7)

R.T.: 6.204 min
Delta R.T.: 0.002 min
Response: 2971207
Conc: 22.53 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.658 min
Delta R.T.: 0.001 min
Response: 3109964
Conc: 22.03 ug/ml



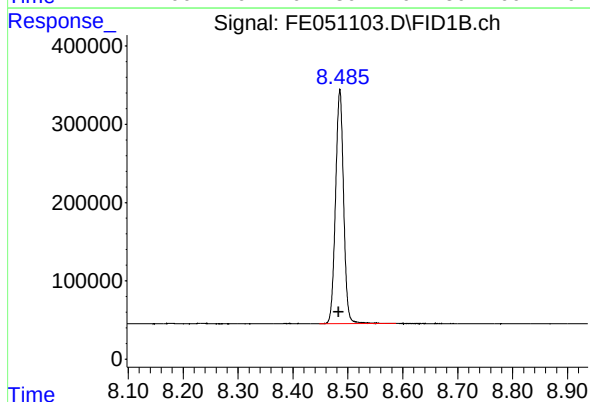
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.300 min
Delta R.T.: 0.002 min
Response: 2781417
Conc: 22.23 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

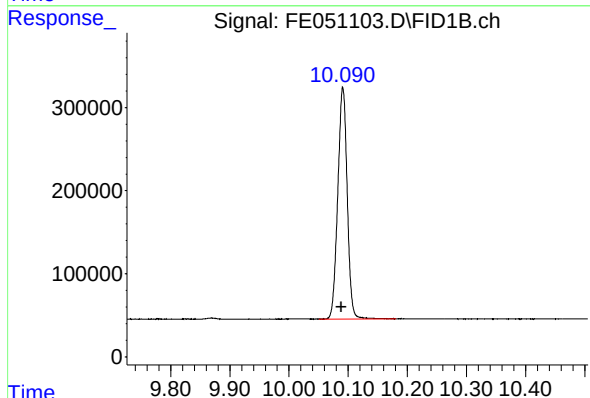
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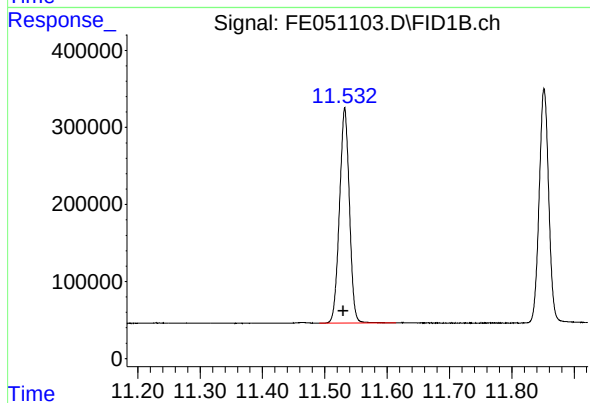
#6 n-Tetradecane (C14)

R.T.: 8.485 min
Delta R.T.: 0.002 min
Response: 3050755
Conc: 21.89 ug/ml



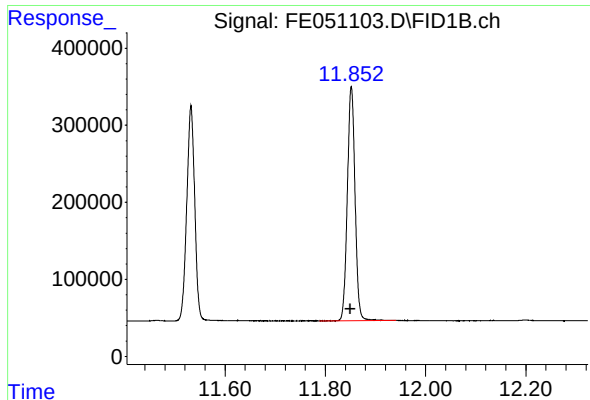
#7 n-Hexadecane (C16)

R.T.: 10.091 min
Delta R.T.: 0.002 min
Response: 3086156
Conc: 21.75 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.532 min
Delta R.T.: 0.002 min
Response: 3081066
Conc: 21.58 ug/ml



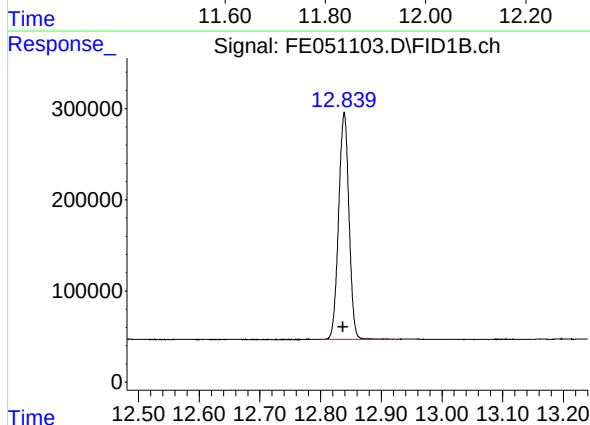
#9 ortho-Terphenyl (SURR)

R.T.: 11.852 min
Delta R.T.: 0.001 min
Response: 3238964
Conc: 21.58 ug/ml

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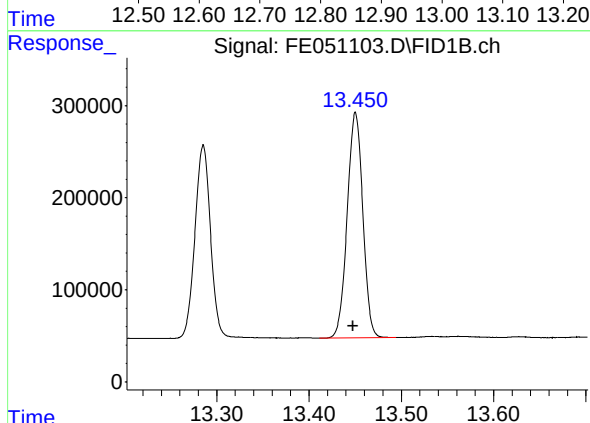
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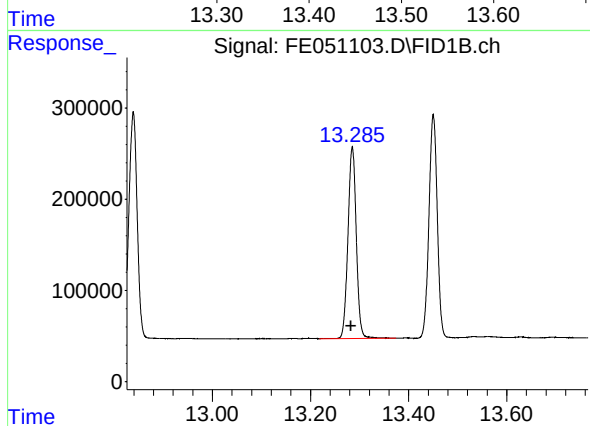
#10 n-Eicosane (C20)

R.T.: 12.839 min
Delta R.T.: 0.002 min
Response: 2946117
Conc: 21.53 ug/ml



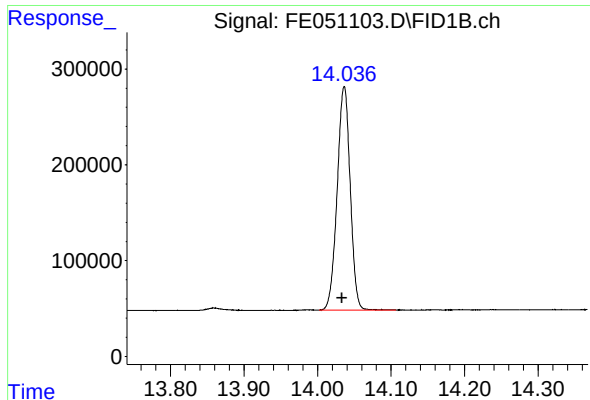
#11 n-Heneicosane (C21)

R.T.: 13.450 min
Delta R.T.: 0.002 min
Response: 2876342
Conc: 21.52 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.285 min
Delta R.T.: 0.002 min
Response: 2474800
Conc: 21.80 ug/ml



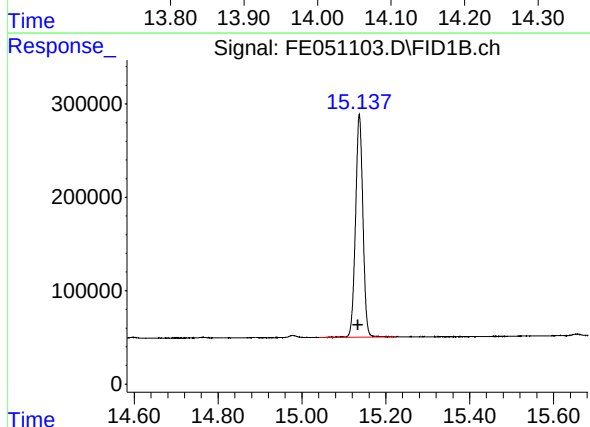
#13 n-Docosane (C22)

R.T.: 14.036 min
Delta R.T.: 0.003 min
Response: 2881371
Conc: 21.67 ug/ml

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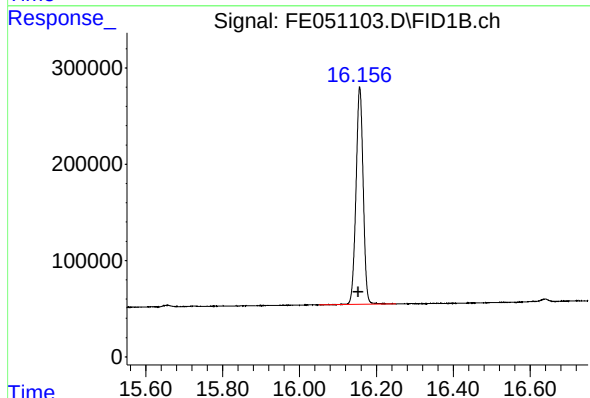
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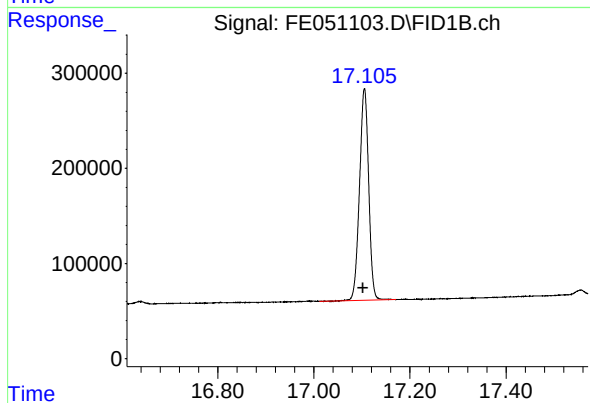
#14 n-Tetracosane (C24)

R.T.: 15.137 min
Delta R.T.: 0.003 min
Response: 2910453
Conc: 21.94 ug/ml



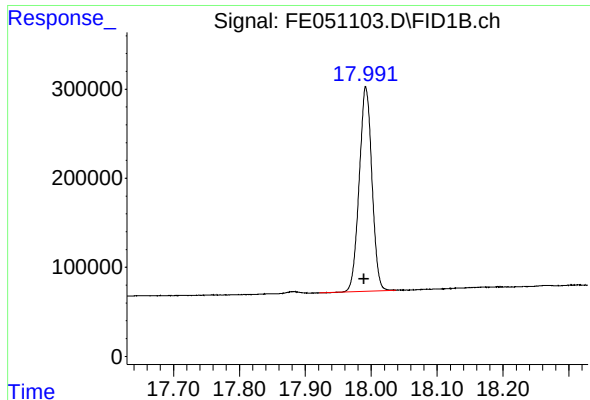
#15 n-Hexacosane (C26)

R.T.: 16.157 min
Delta R.T.: 0.003 min
Response: 2927117
Conc: 21.87 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.105 min
Delta R.T.: 0.003 min
Response: 2944817
Conc: 21.60 ug/ml



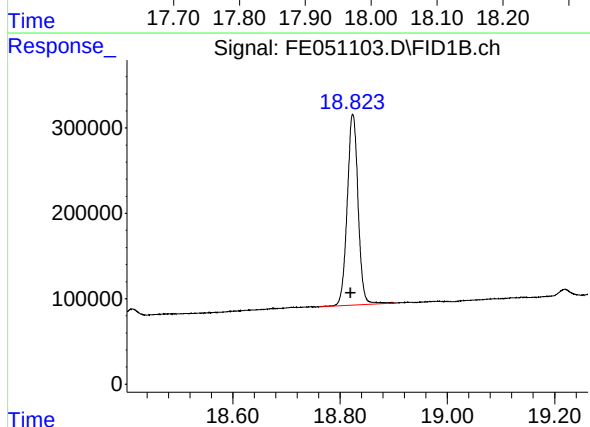
#17 n-Tricontane (C30)

R.T.: 17.992 min
Delta R.T.: 0.003 min
Response: 3076690
Conc: 21.18 ug/ml

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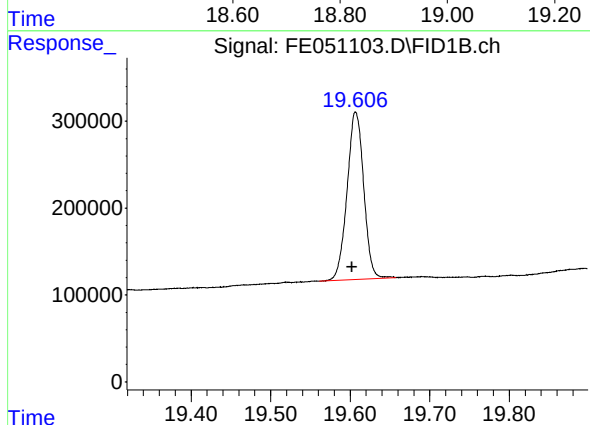
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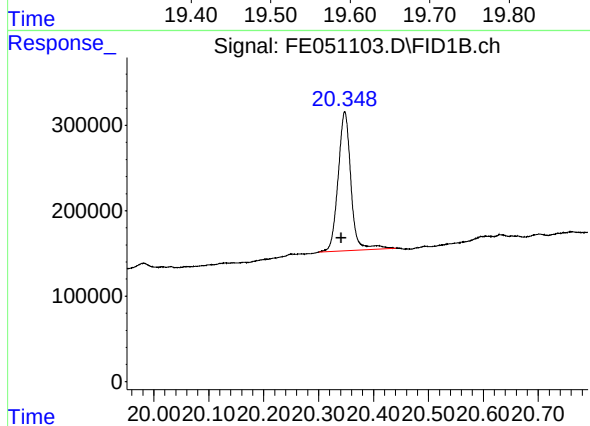
#18 n-Dotriacontane (C32)

R.T.: 18.824 min
Delta R.T.: 0.004 min
Response: 3139758
Conc: 21.15 ug/ml



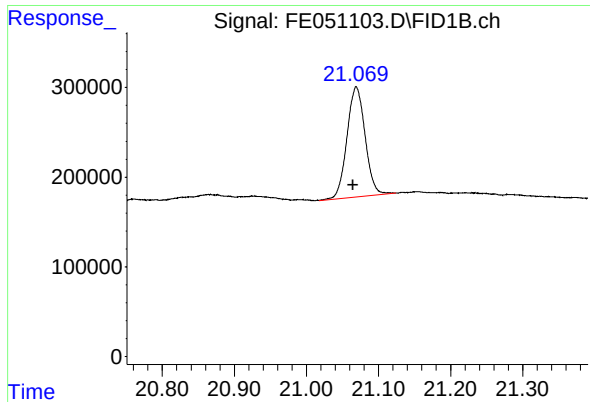
#19 n-Tetratriacontane (C34)

R.T.: 19.607 min
Delta R.T.: 0.005 min
Response: 2794090
Conc: 20.79 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.347 min
Delta R.T.: 0.006 min
Response: 2631216
Conc: 22.05 ug/ml



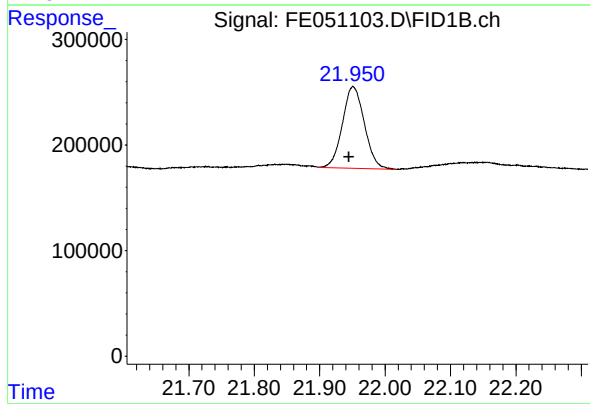
#21 n-Octatriacontane (C38)

R.T.: 21.069 min
Delta R.T.: 0.004 min
Response: 2148792
Conc: 18.88 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.950 min
Delta R.T.: 0.006 min
Response: 1810445
Conc: 16.28 ug/ml m