

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE051523AL\
 Data File : FE041928.D
 Signal(s) : FID1B.ch
 Acq On : 15 May 2023 21:17
 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 05/16/2023
 Supervised By :Ankita Jodhani 05/16/2023

Integration File: autoint1.e
 Quant Time: May 16 01:13:16 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 042123.M
 Quant Title : GC Extractables
 QLast Update : Fri Apr 21 07:33:51 2023
 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)	11.973	3401097	18.129 ug/ml
Spiked Amount 50.000		Recovery =	36.26%
12) S 1-chlorooctadecane (S...	13.409	2551909	18.064 ug/ml
Spiked Amount 50.000		Recovery =	36.13%
Target Compounds			
1) T n-Nonane (C9)	3.347	2598323	17.676 ug/ml
2) T n-Decane (C10)	4.601	2794411	18.632 ug/ml
3) T A~Naphthalene (C11.7)	6.309	3099580	18.730 ug/ml
4) T n-Dodecane (C12)	6.770	2831694	18.624 ug/ml
5) T A~2-methylnaphthalene...	7.407	3026236	18.768 ug/ml
6) T n-Tetradecane (C14)	8.600	2851733	18.773 ug/ml
7) T n-Hexadecane (C16)	10.209	2993350	18.757 ug/ml
8) T n-Octadecane (C18)	11.653	3064422	18.695 ug/ml
10) T n-Eicosane (C20)	12.963	2943285	18.299 ug/ml
11) T n-Heneicosane (C21)	13.576	2872007	18.021 ug/ml
13) T n-Docosane (C22)	14.162	2855667	17.923 ug/ml
14) T n-Tetracosane (C24)	15.266	2857215	17.722 ug/ml
15) T n-Hexacosane (C26)	16.287	2768887	17.514 ug/ml
16) T n-Octacosane (C28)	17.238	2791191	18.140 ug/ml
17) T n-Tricontane (C30)	18.126	3017215	19.811 ug/ml
18) T n-Dotriacontane (C32)	18.959	3050618	20.477 ug/ml
19) T n-Tetratriacontane (C34)	19.744	2873143	20.395 ug/ml
20) T n-Hexatriacontane (C36)	20.483	2714086	20.295 ug/mlm
21) T n-Octatriacontane (C38)	21.237	2710805	20.515 ug/ml
22) T n-Tetracontane (C40)	22.177	2696721	21.299 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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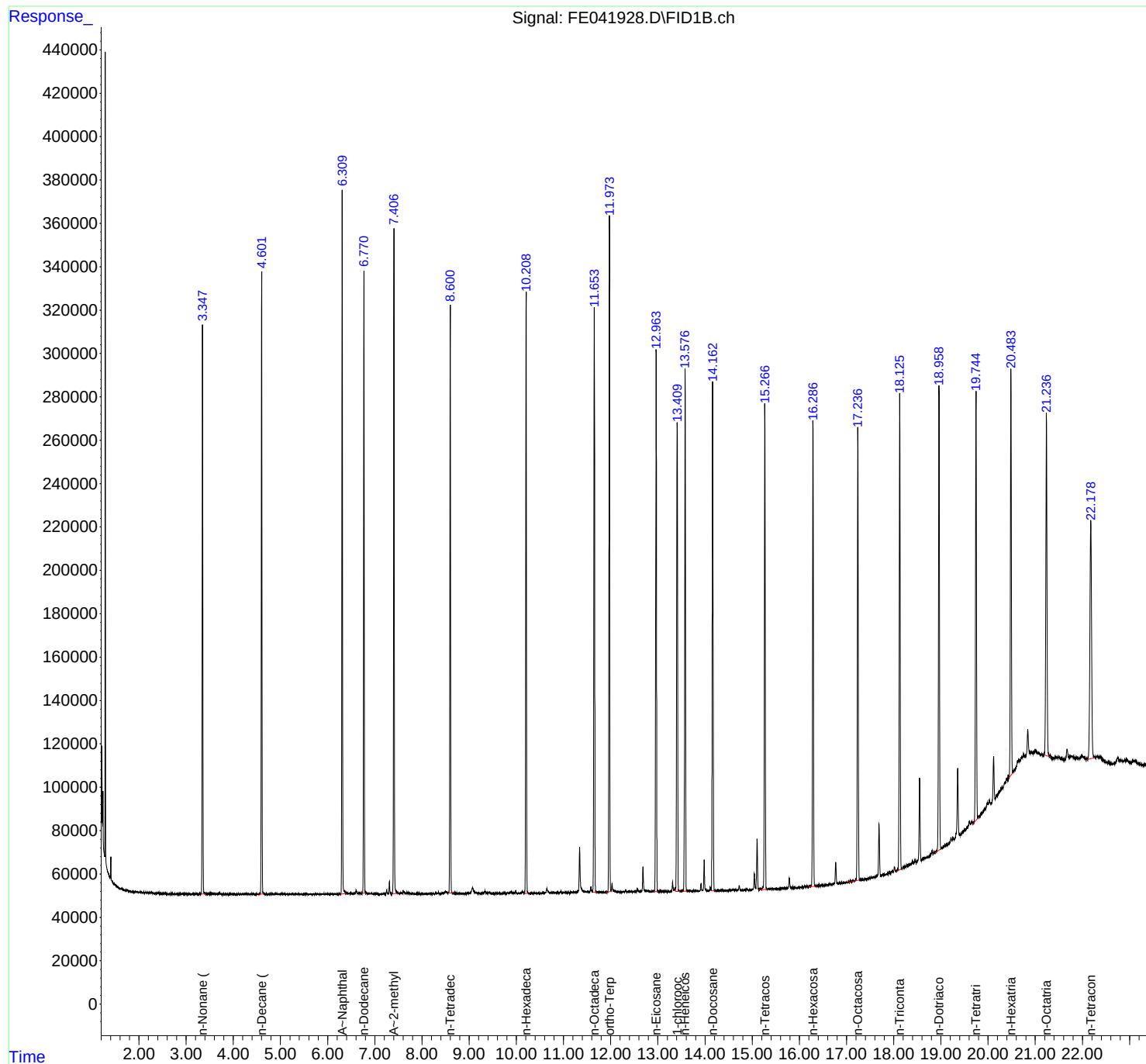
Instrument :
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ClientSampleId :
20 PPM ALIPHATIC HC STD

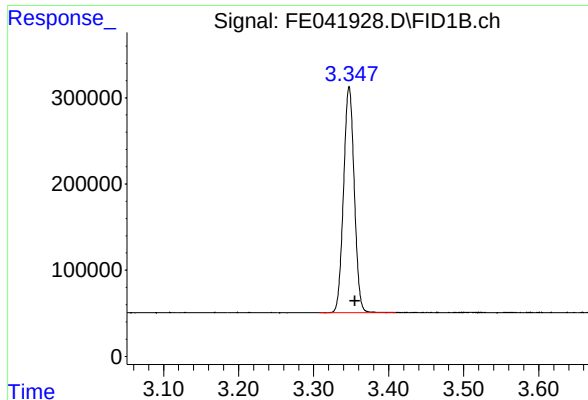
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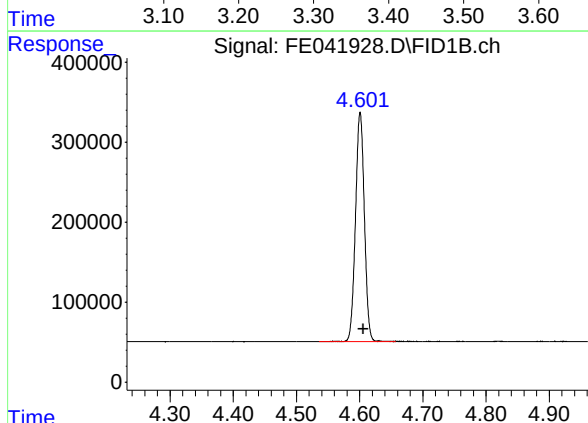
#1 n-Nonane (C9)

R.T.: 3.347 min
Delta R.T.: -0.008 min
Response: 2598323
Conc: 17.68 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

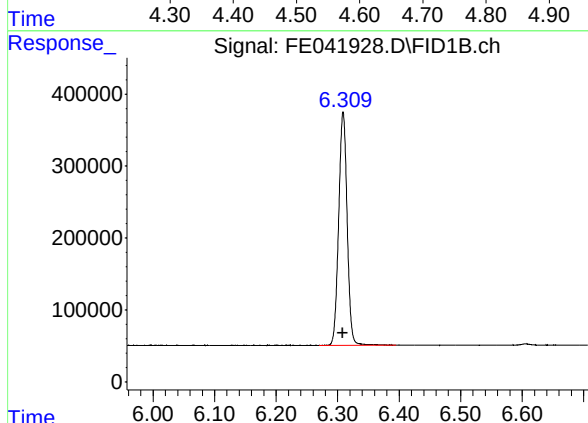
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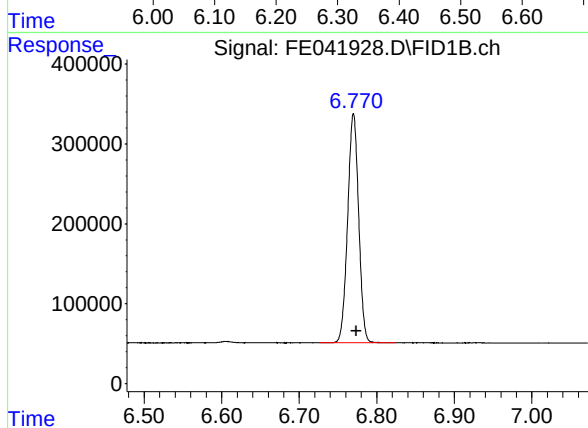
#2 n-Decane (C10)

R.T.: 4.601 min
Delta R.T.: -0.005 min
Response: 2794411
Conc: 18.63 ug/ml



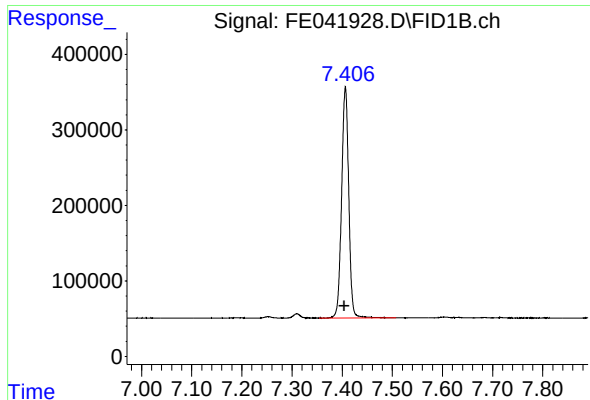
#3 A~Naphthalene (C11.7)

R.T.: 6.309 min
Delta R.T.: 0.000 min
Response: 3099580
Conc: 18.73 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.770 min
Delta R.T.: -0.003 min
Response: 2831694
Conc: 18.62 ug/ml



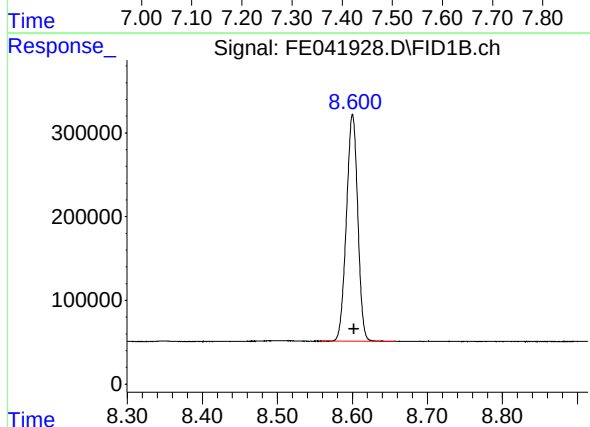
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.407 min
Delta R.T.: 0.002 min
Response: 3026236
Conc: 18.77 ug/ml

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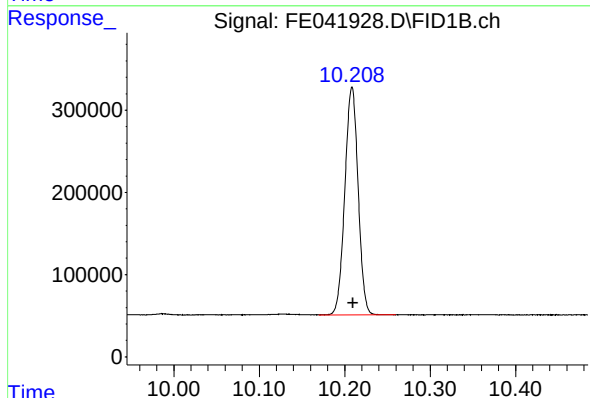
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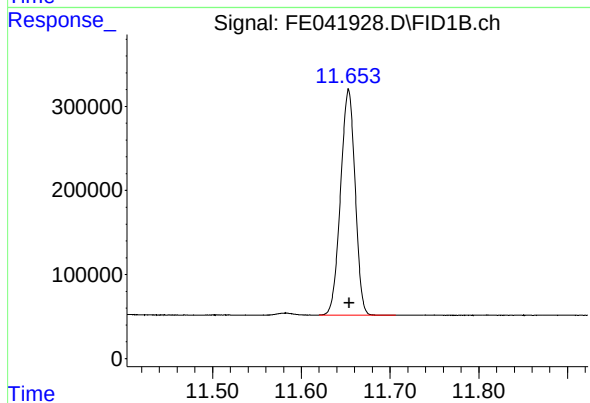
#6 n-Tetradecane (C14)

R.T.: 8.600 min
Delta R.T.: -0.002 min
Response: 2851733
Conc: 18.77 ug/ml



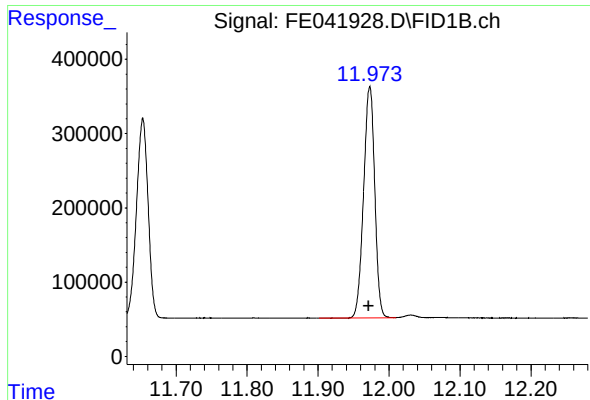
#7 n-Hexadecane (C16)

R.T.: 10.209 min
Delta R.T.: -0.001 min
Response: 2993350
Conc: 18.76 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.653 min
Delta R.T.: 0.000 min
Response: 3064422
Conc: 18.70 ug/ml



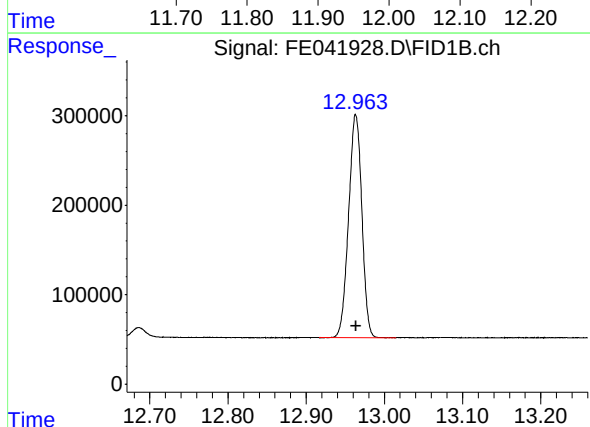
#9 ortho-Terphenyl (SURR)

R.T.: 11.973 min
Delta R.T.: 0.001 min
Response: 3401097
Conc: 18.13 ug/ml

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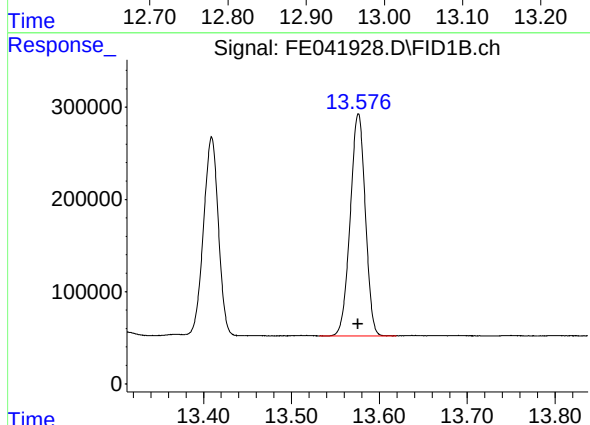
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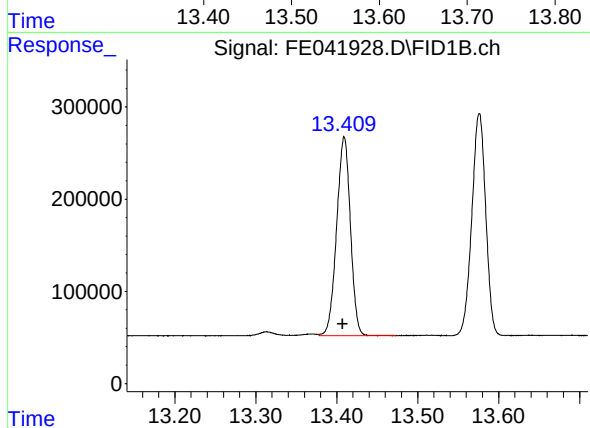
#10 n-Eicosane (C20)

R.T.: 12.963 min
Delta R.T.: 0.000 min
Response: 2943285
Conc: 18.30 ug/ml



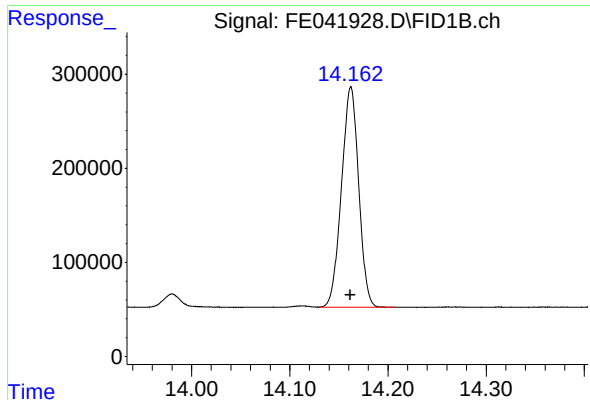
#11 n-Heneicosane (C21)

R.T.: 13.576 min
Delta R.T.: 0.000 min
Response: 2872007
Conc: 18.02 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.409 min
Delta R.T.: 0.002 min
Response: 2551909
Conc: 18.06 ug/ml



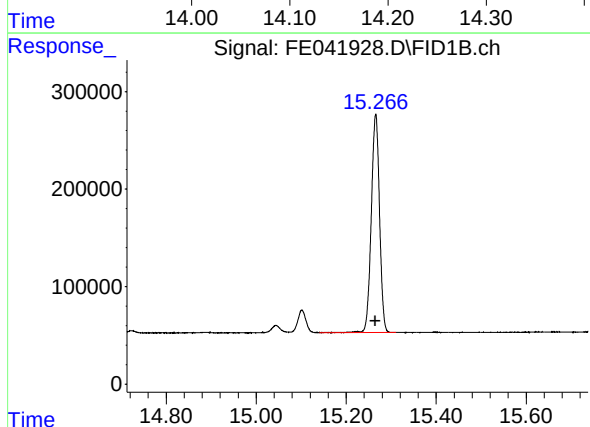
#13 n-Docosane (C22)

R.T.: 14.162 min
Delta R.T.: 0.000 min
Response: 2855667
Conc: 17.92 ug/ml

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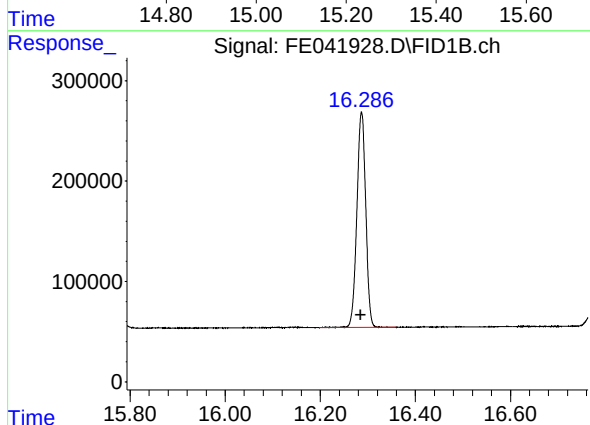
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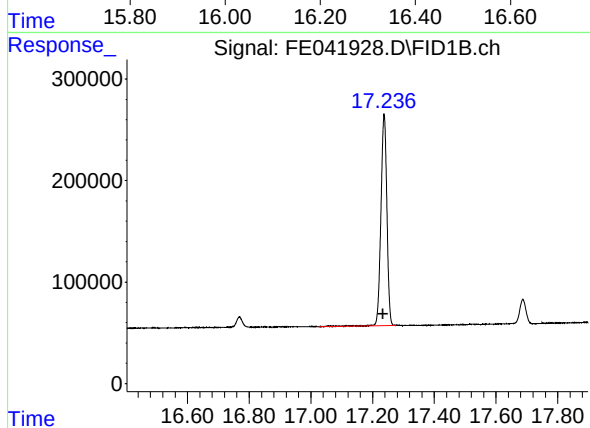
#14 n-Tetracosane (C24)

R.T.: 15.266 min
Delta R.T.: 0.000 min
Response: 2857215
Conc: 17.72 ug/ml



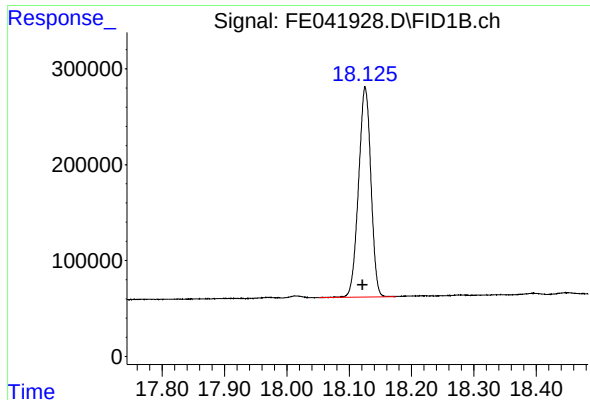
#15 n-Hexacosane (C26)

R.T.: 16.287 min
Delta R.T.: 0.002 min
Response: 2768887
Conc: 17.51 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.238 min
Delta R.T.: 0.004 min
Response: 2791191
Conc: 18.14 ug/ml



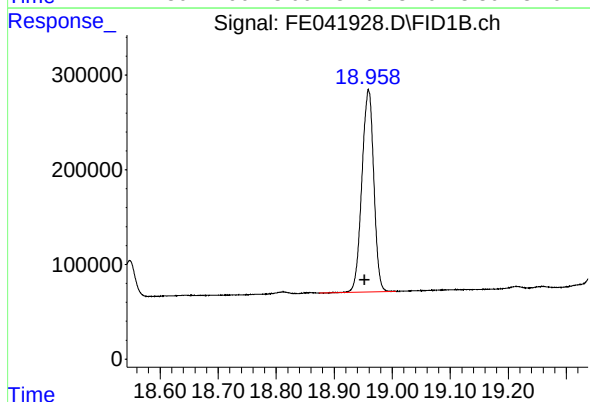
#17 n-Tricontane (C30)

R.T.: 18.126 min
Delta R.T.: 0.004 min
Response: 3017215
Conc: 19.81 ug/ml

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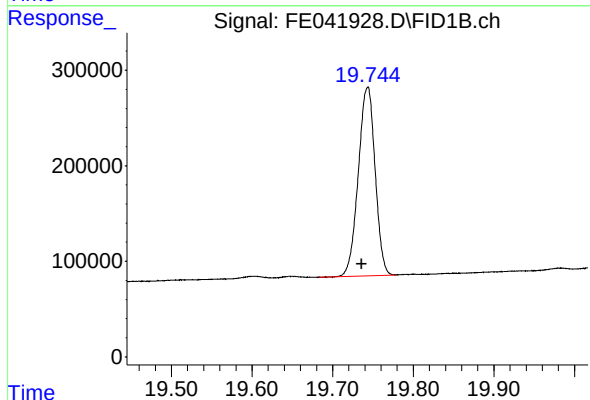
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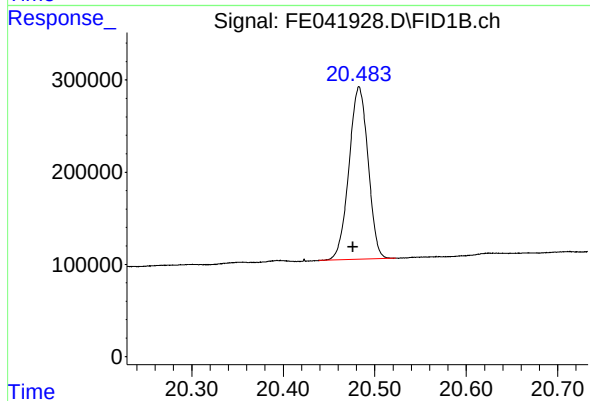
#18 n-Dotriacontane (C32)

R.T.: 18.959 min
Delta R.T.: 0.007 min
Response: 3050618
Conc: 20.48 ug/ml



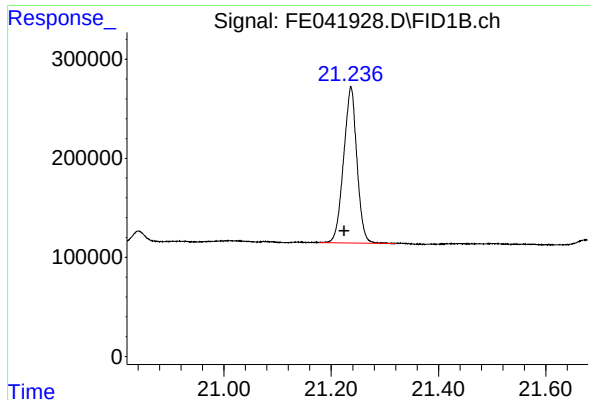
#19 n-Tetatriacontane (C34)

R.T.: 19.744 min
Delta R.T.: 0.008 min
Response: 2873143
Conc: 20.39 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.483 min
Delta R.T.: 0.007 min
Response: 2714086
Conc: 20.30 ug/ml m



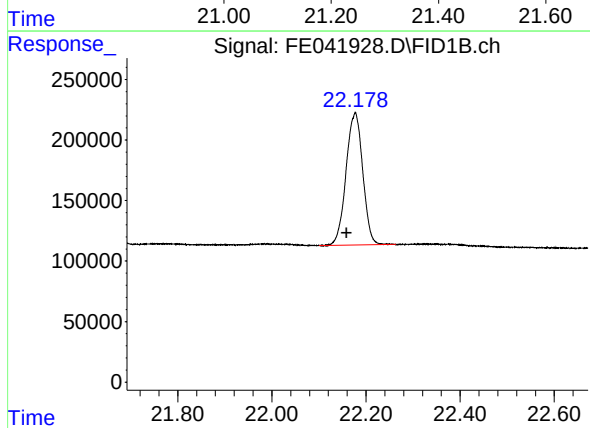
#21 n-Octatriacontane (C38)

R.T.: 21.237 min
Delta R.T.: 0.012 min
Response: 2710805
Conc: 20.52 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.177 min
Delta R.T.: 0.019 min
Response: 2696721
Conc: 21.30 ug/ml