

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE022322AL\
 Data File : FE035138.D
 Signal(s) : FID1B.CH
 Acq On : 22 Feb 2022 10:51
 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 02/23/2022
 Supervised By :Ankita Jodhani 02/23/2022

Integration File: autoint1.e
 Quant Time: Feb 22 11:37:22 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 022222.M
 Quant Title : GC Extractables
 QLast Update : Tue Feb 22 01:24:23 2022
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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)	11.736	23734216	23.786 ug/ml
Spiked Amount 50.000		Recovery =	47.57%
12) S 1-chlorooctadecane (S...	13.151	18642183	24.004 ug/ml
Spiked Amount 50.000		Recovery =	48.01%
Target Compounds			
1) T n-Nonane (C9)	3.621	19829722	24.162 ug/ml
2) T n-Decane (C10)	4.615	20670825	24.408 ug/ml
3) T A~Naphthalene (C11.7)	6.169	22404633	23.743 ug/ml
4) T n-Dodecane (C12)	6.588	21105361	24.032 ug/ml
5) T A~2-methylnaphthalene...	7.218	22588403	23.717 ug/ml
6) T n-Tetradecane (C14)	8.371	21298636	24.227 ug/ml
7) T n-Hexadecane (C16)	9.966	21591463	24.228 ug/ml
8) T n-Octadecane (C18)	11.405	21774660	24.138 ug/ml
10) T n-Eicosane (C20)	12.707	21594274	24.067 ug/ml
11) T n-Heneicosane (C21)	13.318	21640682	24.059 ug/ml
13) T n-Docosane (C22)	13.901	21433334	23.933 ug/ml
14) T n-Tetracosane (C24)	14.998	20856097	23.684 ug/ml
15) T n-Hexacosane (C26)	16.014	19599911	23.226 ug/ml
16) T n-Octacosane (C28)	16.958	17576088	22.386 ug/ml
17) T n-Tricontane (C30)	17.840	14647850	21.028 ug/ml
18) T n-Dotriacontane (C32)	18.664	10936107	19.375 ug/ml
19) T n-Tetratriacontane (C34)	19.441	7413638	17.793 ug/ml
20) T n-Hexatriacontane (C36)	20.174	4681114	16.696 ug/mlm
21) T n-Octatriacontane (C38)	20.921	2991195	16.337 ug/mlm
22) T n-Tetracontane (C40)	21.849	2054441	16.490 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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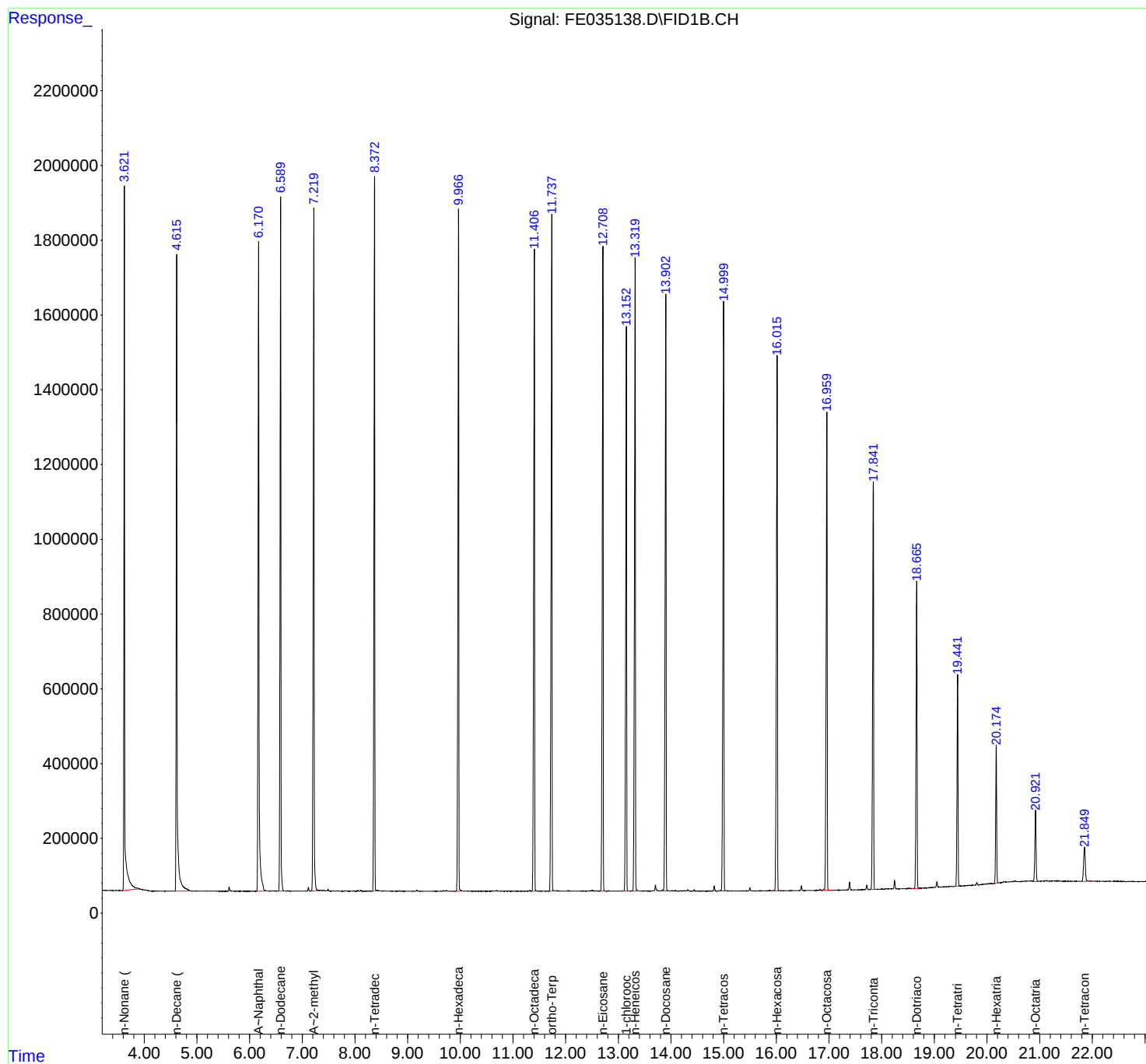
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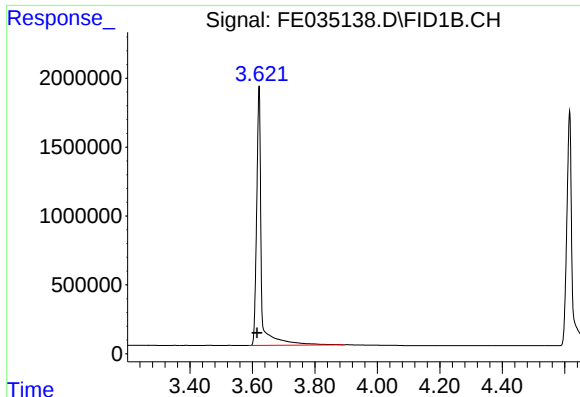
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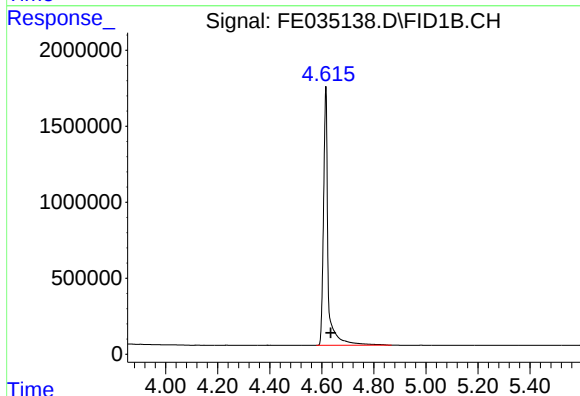
#1 n-Nonane (C9)

R.T.: 3.621 min
Delta R.T.: 0.006 min
Response: 19829722
Conc: 24.16 ug/ml

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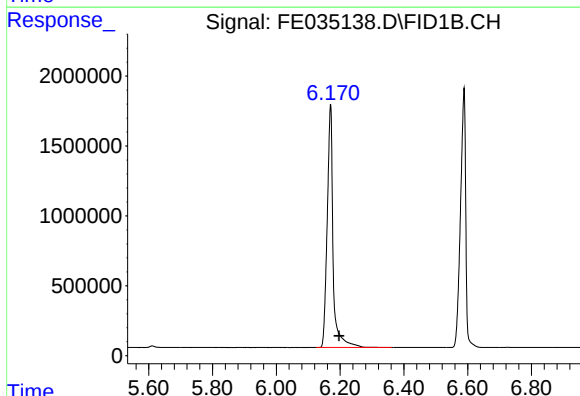
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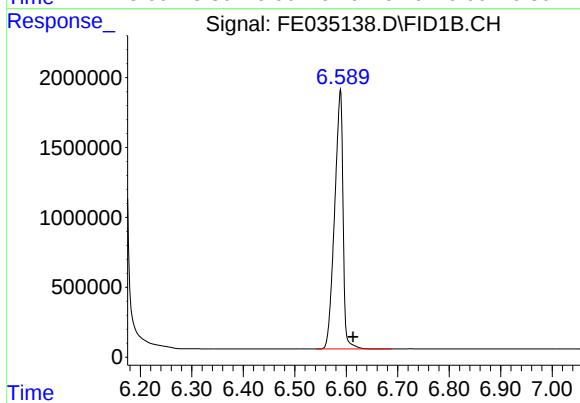
#2 n-Decane (C10)

R.T.: 4.615 min
Delta R.T.: -0.019 min
Response: 20670825
Conc: 24.41 ug/ml



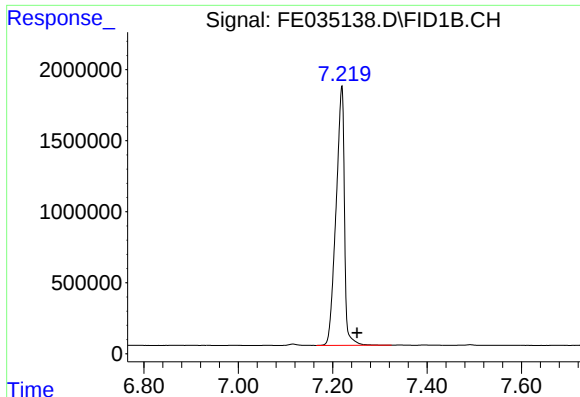
#3 A~Naphthalene (C11.7)

R.T.: 6.169 min
Delta R.T.: -0.027 min
Response: 22404633
Conc: 23.74 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.588 min
Delta R.T.: -0.025 min
Response: 21105361
Conc: 24.03 ug/ml



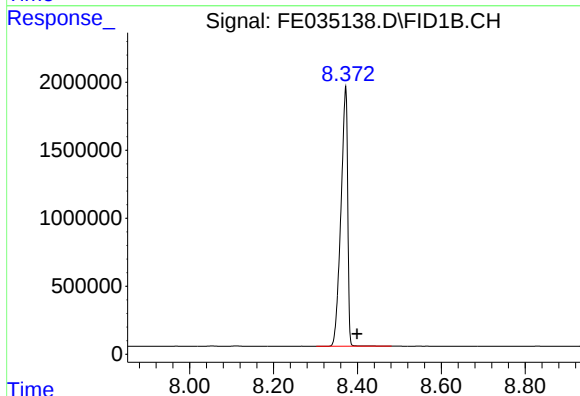
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.218 min
Delta R.T.: -0.033 min
Response: 22588403
Conc: 23.72 ug/ml

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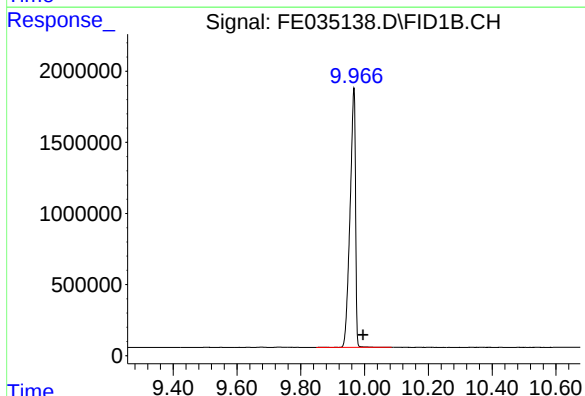
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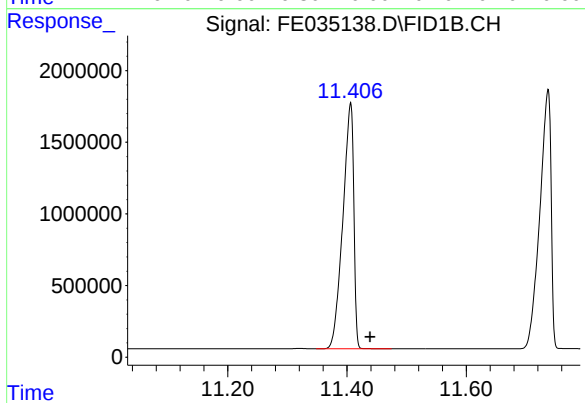
#6 n-Tetradecane (C14)

R.T.: 8.371 min
Delta R.T.: -0.028 min
Response: 21298636
Conc: 24.23 ug/ml



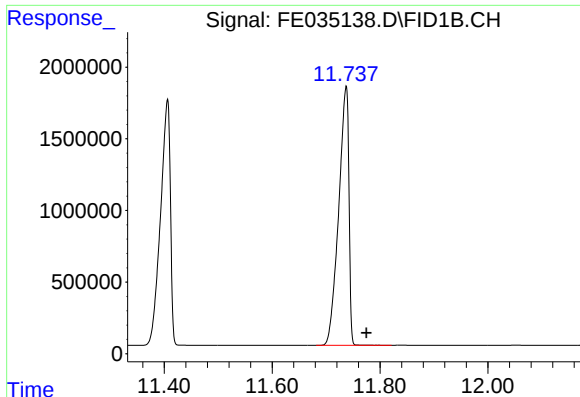
#7 n-Hexadecane (C16)

R.T.: 9.966 min
Delta R.T.: -0.030 min
Response: 21591463
Conc: 24.23 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.405 min
Delta R.T.: -0.034 min
Response: 21774660
Conc: 24.14 ug/ml



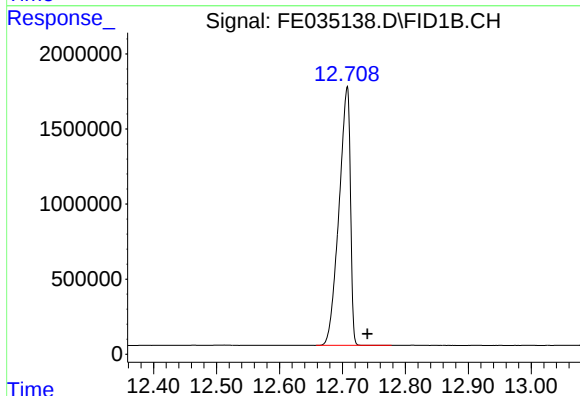
#9 ortho-Terphenyl (SURR)

R.T.: 11.736 min
Delta R.T.: -0.039 min
Response: 23734216
Conc: 23.79 ug/ml

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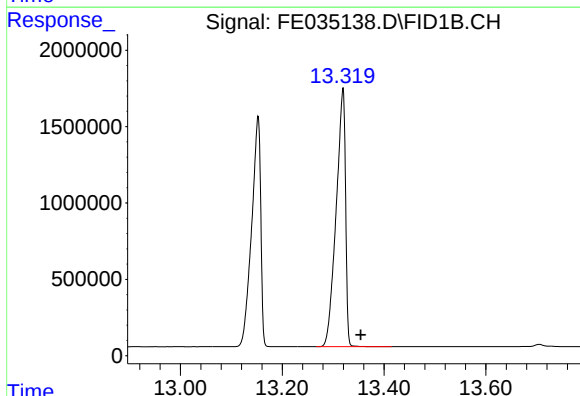
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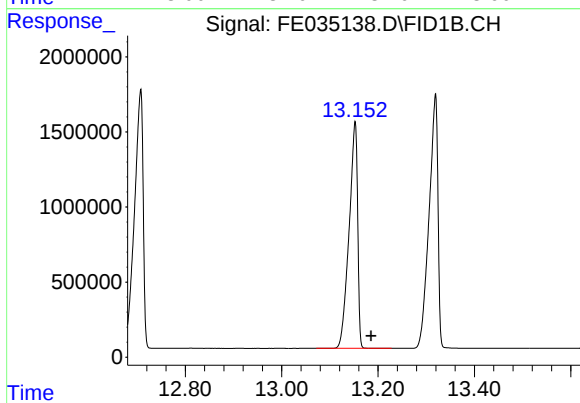
#10 n-Eicosane (C20)

R.T.: 12.707 min
Delta R.T.: -0.033 min
Response: 21594274
Conc: 24.07 ug/ml



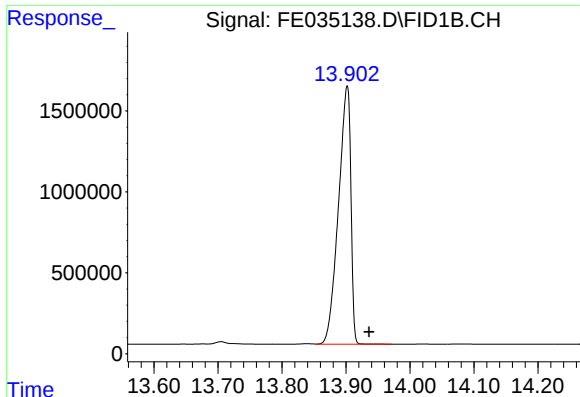
#11 n-Heneicosane (C21)

R.T.: 13.318 min
Delta R.T.: -0.036 min
Response: 21640682
Conc: 24.06 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.151 min
Delta R.T.: -0.034 min
Response: 18642183
Conc: 24.00 ug/ml



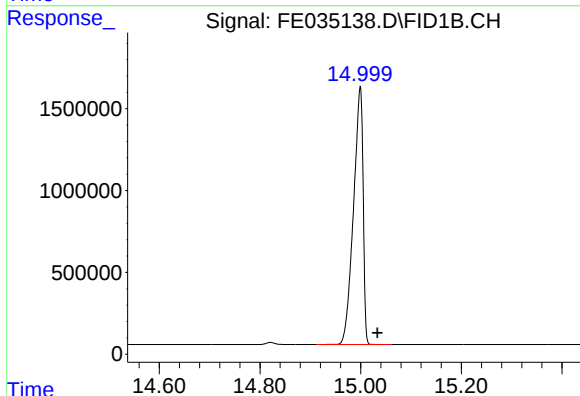
#13 n-Docosane (C22)

R.T.: 13.901 min
Delta R.T.: -0.035 min
Response: 21433334
Conc: 23.93 ug/ml

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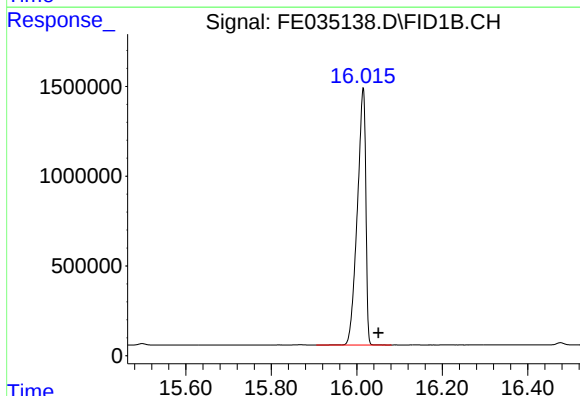
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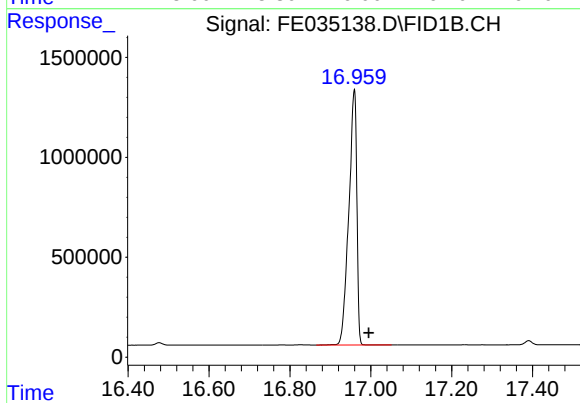
#14 n-Tetracosane (C24)

R.T.: 14.998 min
Delta R.T.: -0.035 min
Response: 20856097
Conc: 23.68 ug/ml



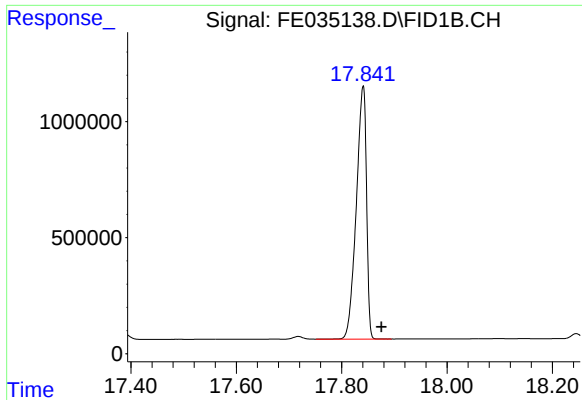
#15 n-Hexacosane (C26)

R.T.: 16.014 min
Delta R.T.: -0.036 min
Response: 19599911
Conc: 23.23 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.958 min
Delta R.T.: -0.037 min
Response: 17576088
Conc: 22.39 ug/ml



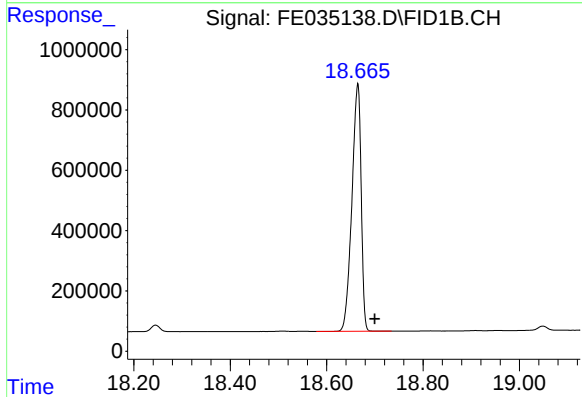
#17 n-Tricontane (C30)

R.T.: 17.840 min
Delta R.T.: -0.036 min
Response: 14647850
Conc: 21.03 ug/ml

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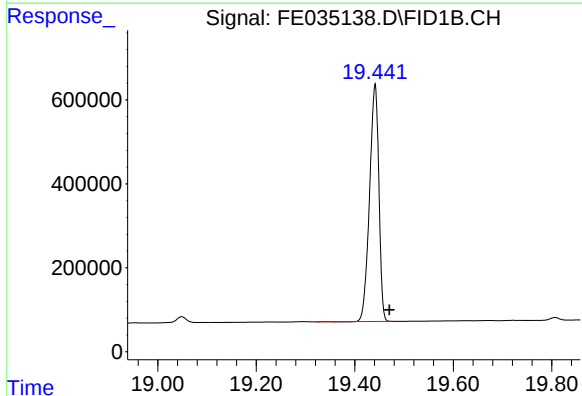
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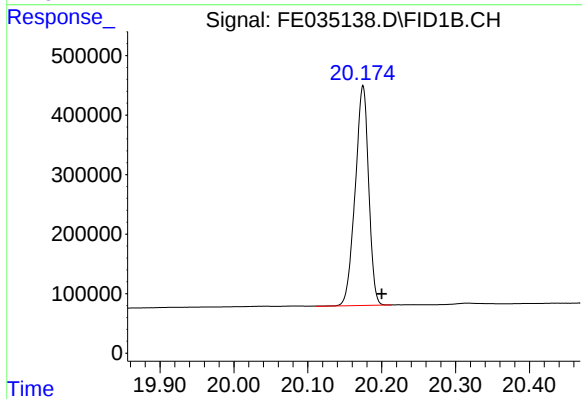
#18 n-Dotriacontane (C32)

R.T.: 18.664 min
Delta R.T.: -0.036 min
Response: 10936107
Conc: 19.38 ug/ml



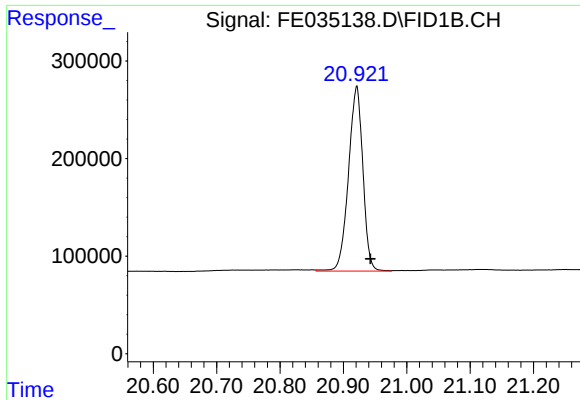
#19 n-Tetratriacontane (C34)

R.T.: 19.441 min
Delta R.T.: -0.030 min
Response: 7413638
Conc: 17.79 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.174 min
Delta R.T.: -0.026 min
Response: 4681114
Conc: 16.70 ug/ml m



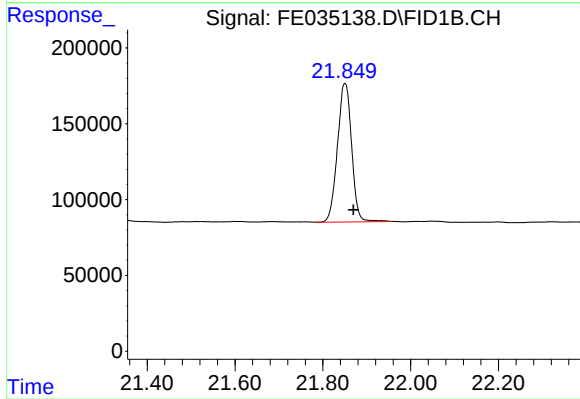
#21 n-Octatriacontane (C38)

R.T.: 20.921 min
Delta R.T.: -0.022 min
Response: 2991195
Conc: 16.34 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.849 min
Delta R.T.: -0.020 min
Response: 2054441
Conc: 16.49 ug/ml m