

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE083124AL\
 Data File : FE049838.D
 Signal(s) : FID1B.ch
 Acq On : 30 Aug 2024 07:08
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/03/2024
 Supervised By :Ankita Jodhani 09/03/2024

Integration File: autoint1.e
 Quant Time: Aug 31 04:12:55 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 081424.M
 Quant Title : GC Extractables
 QLast Update : Wed Aug 14 11:05:17 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)	11.878	2728813	16.875 ug/ml
Spiked Amount 50.000		Recovery =	33.75%
12) S 1-chlorooctadecane (S...	13.314	2071849	16.981 ug/ml
Spiked Amount 50.000		Recovery =	33.96%
Target Compounds			
1) T n-Nonane (C9)	3.270	2560336	16.545 ug/ml
2) T n-Decane (C10)	4.520	2607072	16.512 ug/mlm
3) T A~Naphthalene (C11.7)	6.228	2670571	16.644 ug/ml
4) T n-Dodecane (C12)	6.687	2623252	16.686 ug/ml
5) T A~2-methylnaphthalene...	7.323	2503648	16.718 ug/ml
6) T n-Tetradecane (C14)	8.513	2562685	16.600 ug/ml
7) T n-Hexadecane (C16)	10.119	2626390	16.816 ug/ml
8) T n-Octadecane (C18)	11.560	2656964	16.918 ug/ml
10) T n-Eicosane (C20)	12.868	2537067	16.992 ug/ml
11) T n-Heneicosane (C21)	13.480	2487622	16.958 ug/ml
13) T n-Docosane (C22)	14.065	2460012	16.878 ug/ml
14) T n-Tetracosane (C24)	15.167	2560401	17.601 ug/ml
15) T n-Hexacosane (C26)	16.186	2548989	17.661 ug/ml
16) T n-Octacosane (C28)	17.135	2633991	18.287 ug/ml
17) T n-Tricontane (C30)	18.020	2833710	18.929 ug/ml
18) T n-Dotriacontane (C32)	18.852	2905990	19.209 ug/ml
19) T n-Tetratriacontane (C34)	19.634	2848615	18.633 ug/ml
20) T n-Hexatriacontane (C36)	20.373	2692000	17.728 ug/ml
21) T n-Octatriacontane (C38)	21.100	2615293	16.663 ug/ml
22) T n-Tetracontane (C40)	21.990	2543919	16.662 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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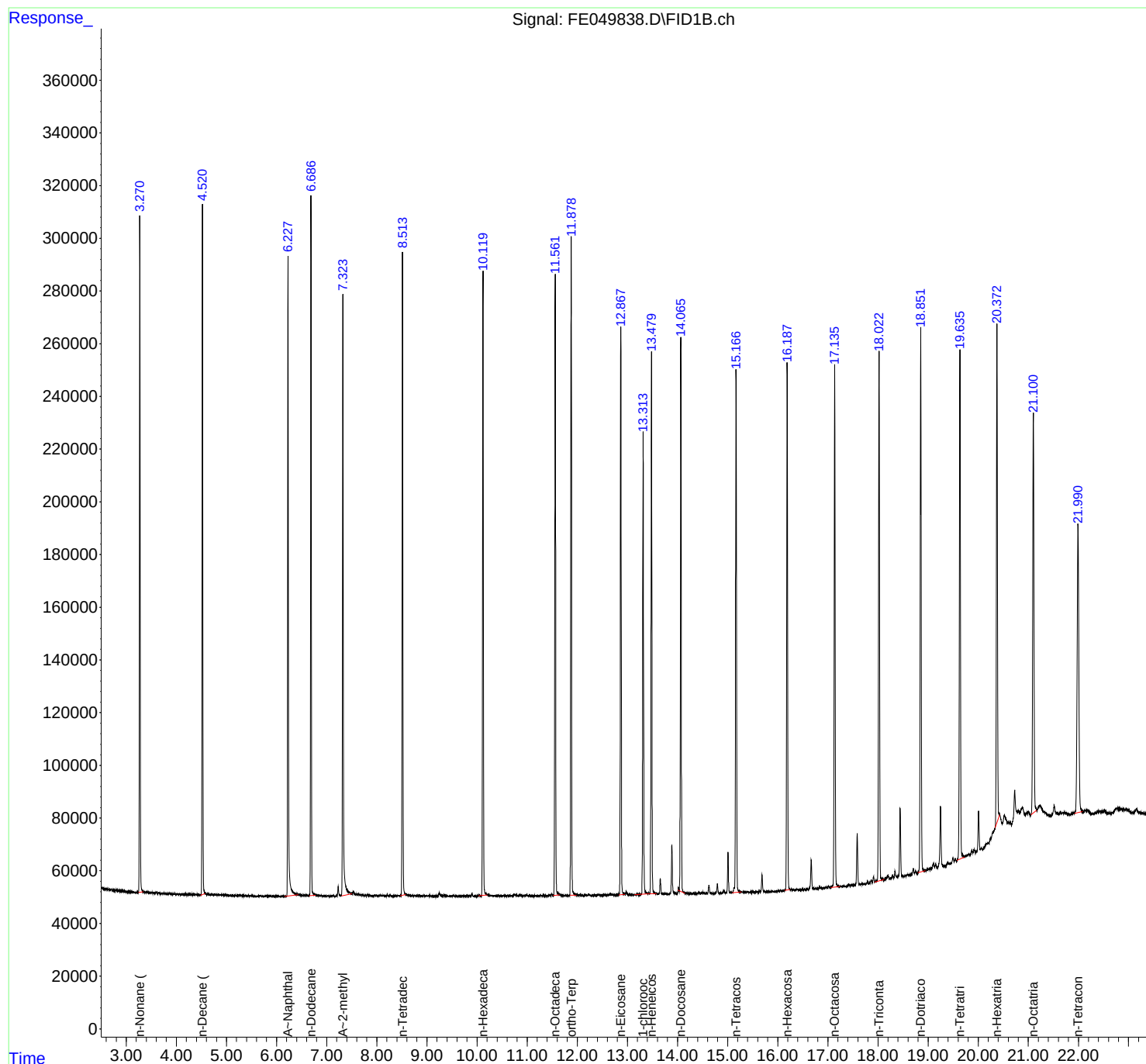
Instrument :
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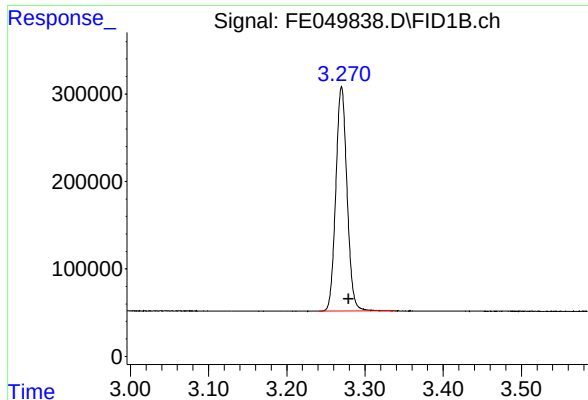
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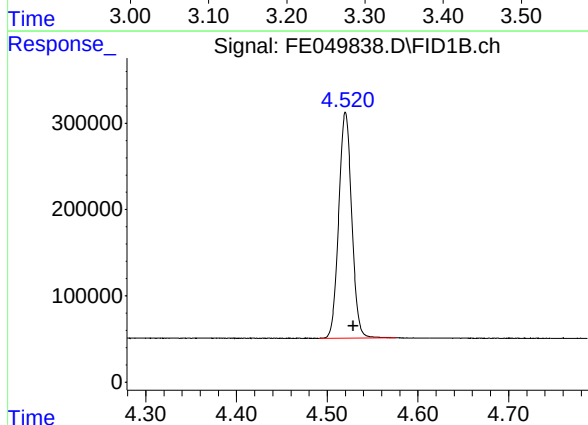
#1 n-Nonane (C9)

R.T.: 3.270 min
Delta R.T.: -0.009 min
Response: 2560336
Conc: 16.54 ug/ml

Instrument :
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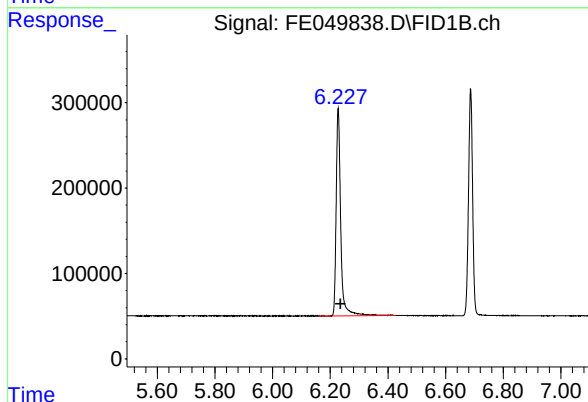
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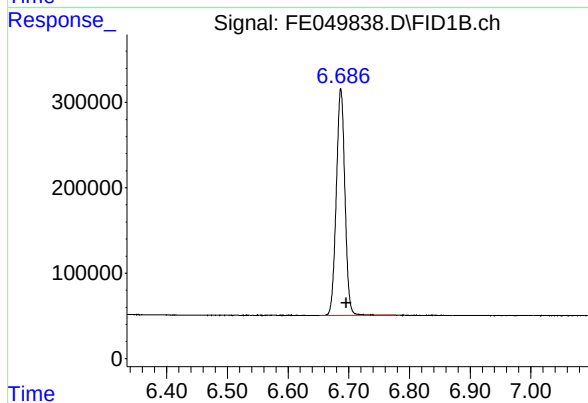
#2 n-Decane (C10)

R.T.: 4.520 min
Delta R.T.: -0.009 min
Response: 2607072
Conc: 16.51 ug/ml



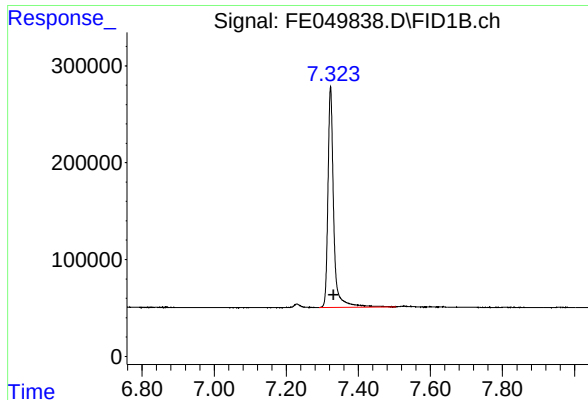
#3 A~Naphthalene (C11.7)

R.T.: 6.228 min
Delta R.T.: -0.007 min
Response: 2670571
Conc: 16.64 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.687 min
Delta R.T.: -0.009 min
Response: 2623252
Conc: 16.69 ug/ml



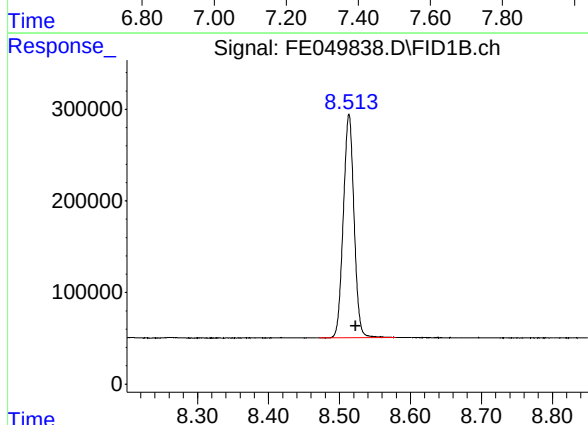
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.323 min
Delta R.T.: -0.008 min
Response: 2503648
Conc: 16.72 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

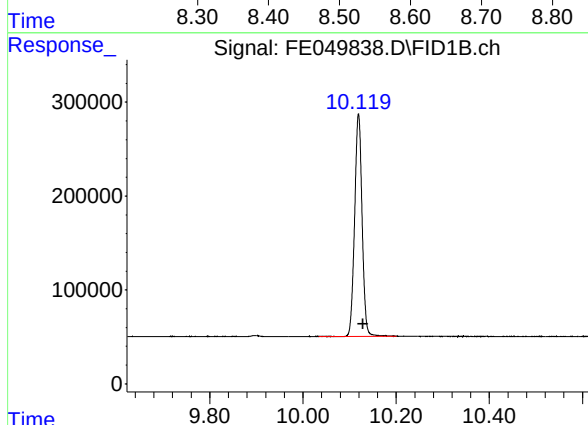
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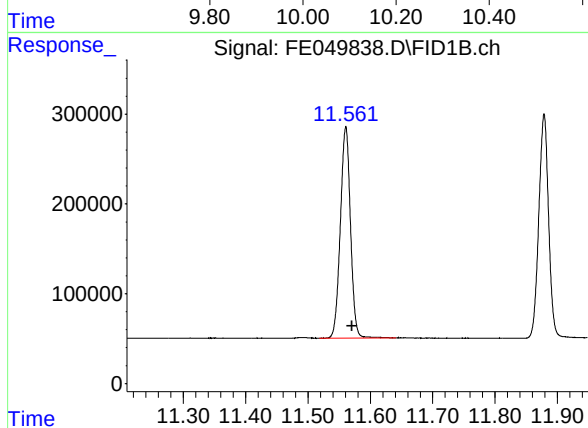
#6 n-Tetradecane (C14)

R.T.: 8.513 min
Delta R.T.: -0.009 min
Response: 2562685
Conc: 16.60 ug/ml



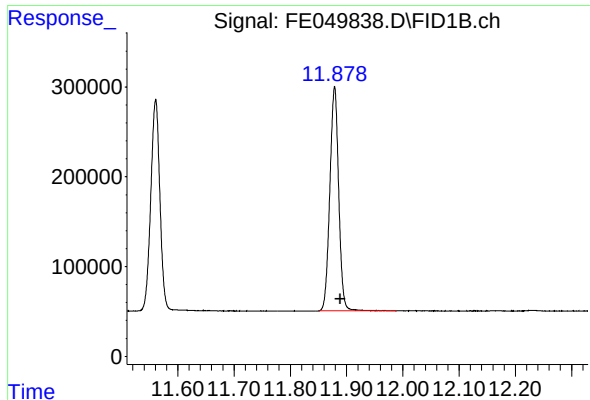
#7 n-Hexadecane (C16)

R.T.: 10.119 min
Delta R.T.: -0.010 min
Response: 2626390
Conc: 16.82 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.560 min
Delta R.T.: -0.010 min
Response: 2656964
Conc: 16.92 ug/ml



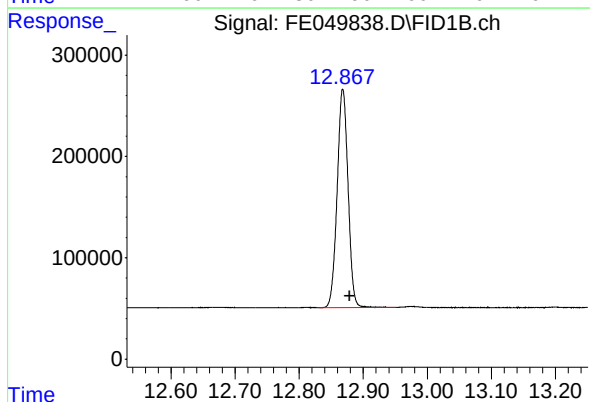
#9 ortho-Terphenyl (SURR)

R.T.: 11.878 min
Delta R.T.: -0.010 min
Response: 2728813
Conc: 16.87 ug/ml

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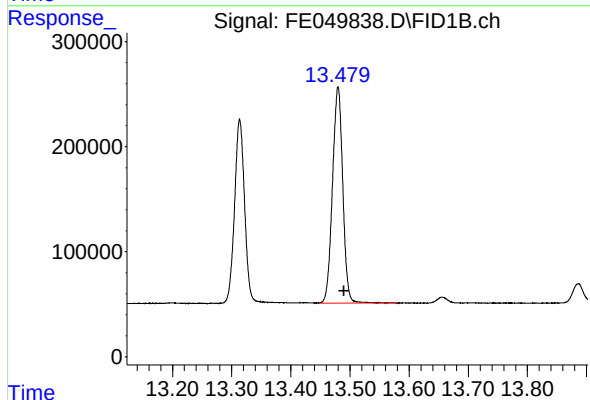
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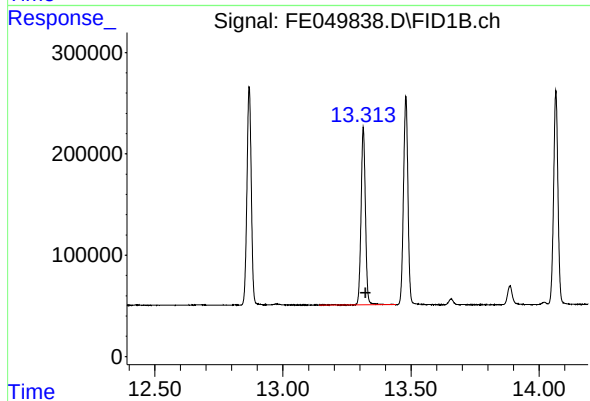
#10 n-Eicosane (C20)

R.T.: 12.868 min
Delta R.T.: -0.010 min
Response: 2537067
Conc: 16.99 ug/ml



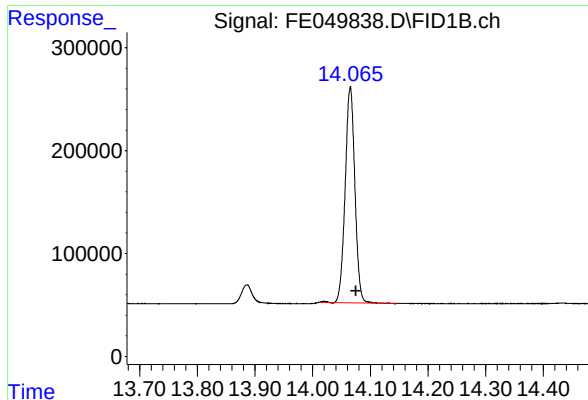
#11 n-Heneicosane (C21)

R.T.: 13.480 min
Delta R.T.: -0.010 min
Response: 2487622
Conc: 16.96 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.314 min
Delta R.T.: -0.010 min
Response: 2071849
Conc: 16.98 ug/ml



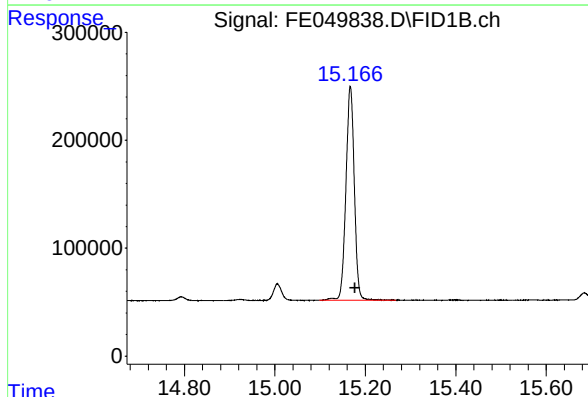
#13 n-Docosane (C22)

R.T.: 14.065 min
Delta R.T.: -0.010 min
Response: 2460012
Conc: 16.88 ug/ml

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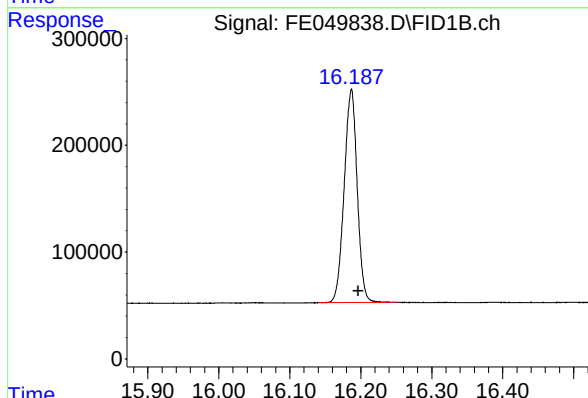
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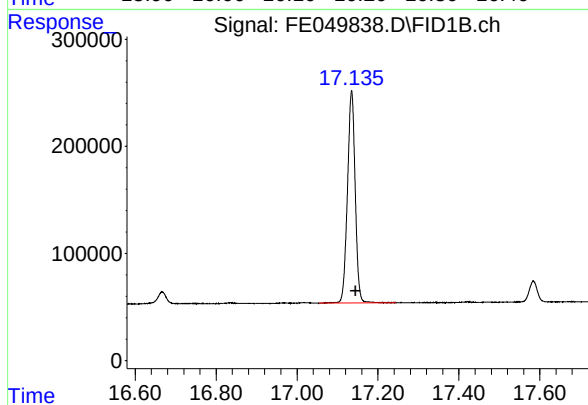
#14 n-Tetracosane (C24)

R.T.: 15.167 min
Delta R.T.: -0.010 min
Response: 2560401
Conc: 17.60 ug/ml



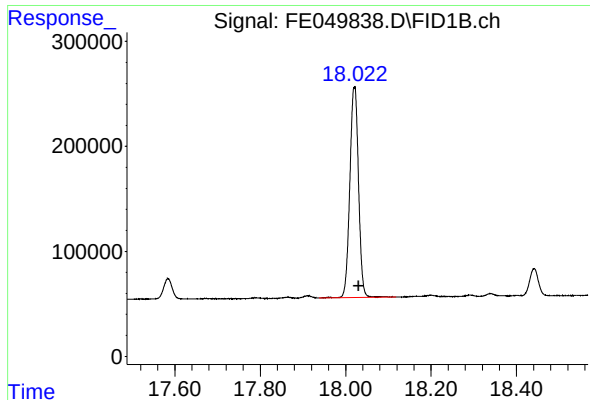
#15 n-Hexacosane (C26)

R.T.: 16.186 min
Delta R.T.: -0.010 min
Response: 2548989
Conc: 17.66 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.135 min
Delta R.T.: -0.010 min
Response: 2633991
Conc: 18.29 ug/ml



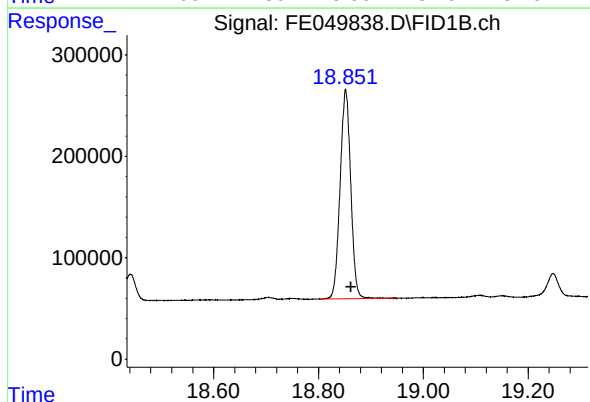
#17 n-Tricontane (C30)

R.T.: 18.020 min
Delta R.T.: -0.011 min
Response: 2833710
Conc: 18.93 ug/ml

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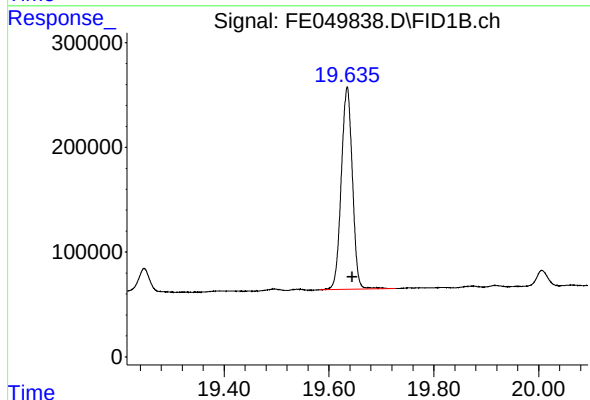
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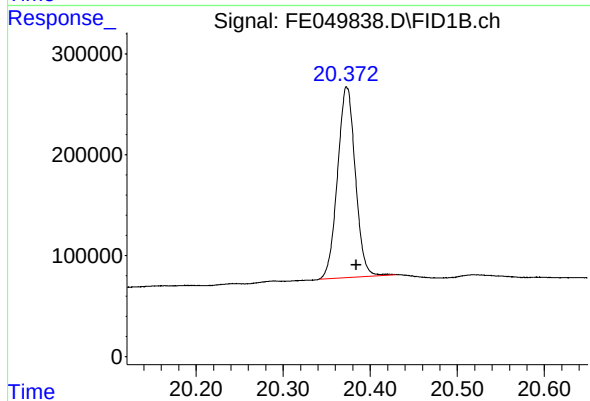
#18 n-Dotriacontane (C32)

R.T.: 18.852 min
Delta R.T.: -0.011 min
Response: 2905990
Conc: 19.21 ug/ml



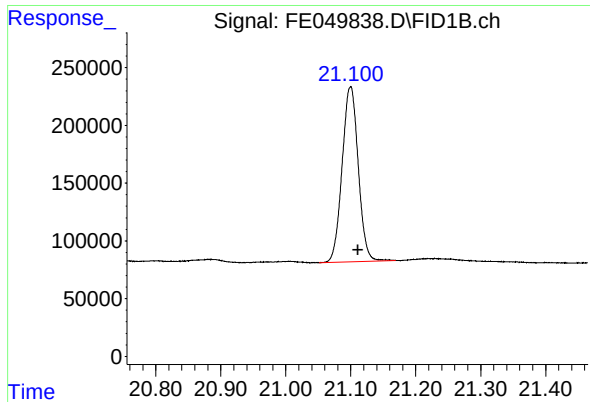
#19 n-Tetratriacontane (C34)

R.T.: 19.634 min
Delta R.T.: -0.010 min
Response: 2848615
Conc: 18.63 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.373 min
Delta R.T.: -0.011 min
Response: 2692000
Conc: 17.73 ug/ml



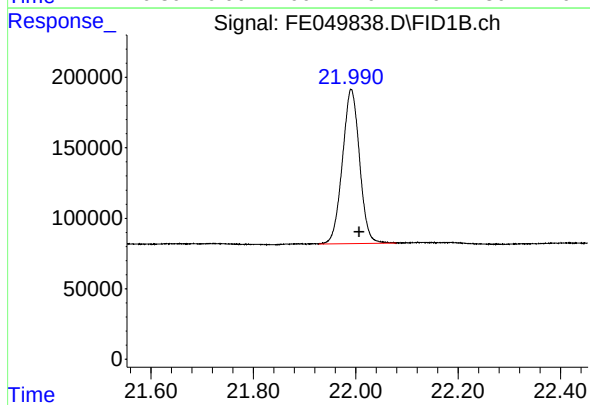
#21 n-Octatriacontane (C38)

R.T.: 21.100 min
Delta R.T.: -0.012 min
Response: 2615293
Conc: 16.66 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.990 min
Delta R.T.: -0.017 min
Response: 2543919
Conc: 16.66 ug/ml m