

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF050422AL\
 Data File : FF010542.D
 Signal(s) : FID2B.ch
 Acq On : 05 May 2022 04:42
 Operator : AJ\MA
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/05/2022
 Supervised By :mohammad ahmed 05/06/2022

Integration File: sample.E
 Quant Time: May 05 05:01:56 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH -FF050322
 Quant Title : GC Extractables
 QLast Update : Tue May 03 13:18:42 2022
 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)	10.847	2683637	19.493 ug/ml
Spiked Amount 50.000		Recovery =	38.99%
12) S 1-chlorooctadecane (S...	12.285	2116741	19.464 ug/ml
Spiked Amount 50.000		Recovery =	38.93%
Target Compounds			
1) T n-Nonane (C9)	2.714	2322072	19.622 ug/ml
2) T n-Decane (C10)	3.719	2309424	19.666 ug/ml
3) T A~Naphthalene (C11.7)	5.276	2600937	19.617 ug/mlm
4) T n-Dodecane (C12)	5.704	2360128	19.653 ug/ml
5) T A~2-methylnaphthalene...	6.323	2626639	19.599 ug/ml
6) T n-Tetradecane (C14)	7.494	2390004	19.805 ug/ml
7) T n-Hexadecane (C16)	9.093	2429435	19.747 ug/ml
8) T n-Octadecane (C18)	10.533	2467515	19.663 ug/ml
10) T n-Eicosane (C20)	11.841	2469743	19.689 ug/ml
11) T n-Heneicosane (C21)	12.453	2463167	19.567 ug/ml
13) T n-Docosane (C22)	13.038	2490233	19.908 ug/ml
14) T n-Tetracosane (C24)	14.140	2514667	20.427 ug/ml
15) T n-Hexacosane (C26)	15.161	2484770	20.884 ug/ml
16) T n-Octacosane (C28)	16.108	2477309	21.705 ug/ml
17) T n-Tricontane (C30)	16.995	2432908	22.311 ug/ml
18) T n-Dotriacontane (C32)	17.825	2273618	22.190 ug/ml
19) T n-Tetratriacontane (C34)	18.605	1984279	21.502 ug/ml
20) T n-Hexatriacontane (C36)	19.342	1780636	21.339 ug/mlm
21) T n-Octatriacontane (C38)	20.062	1596938	21.453 ug/mlm
22) T n-Tetracontane (C40)	20.935	1578169	21.111 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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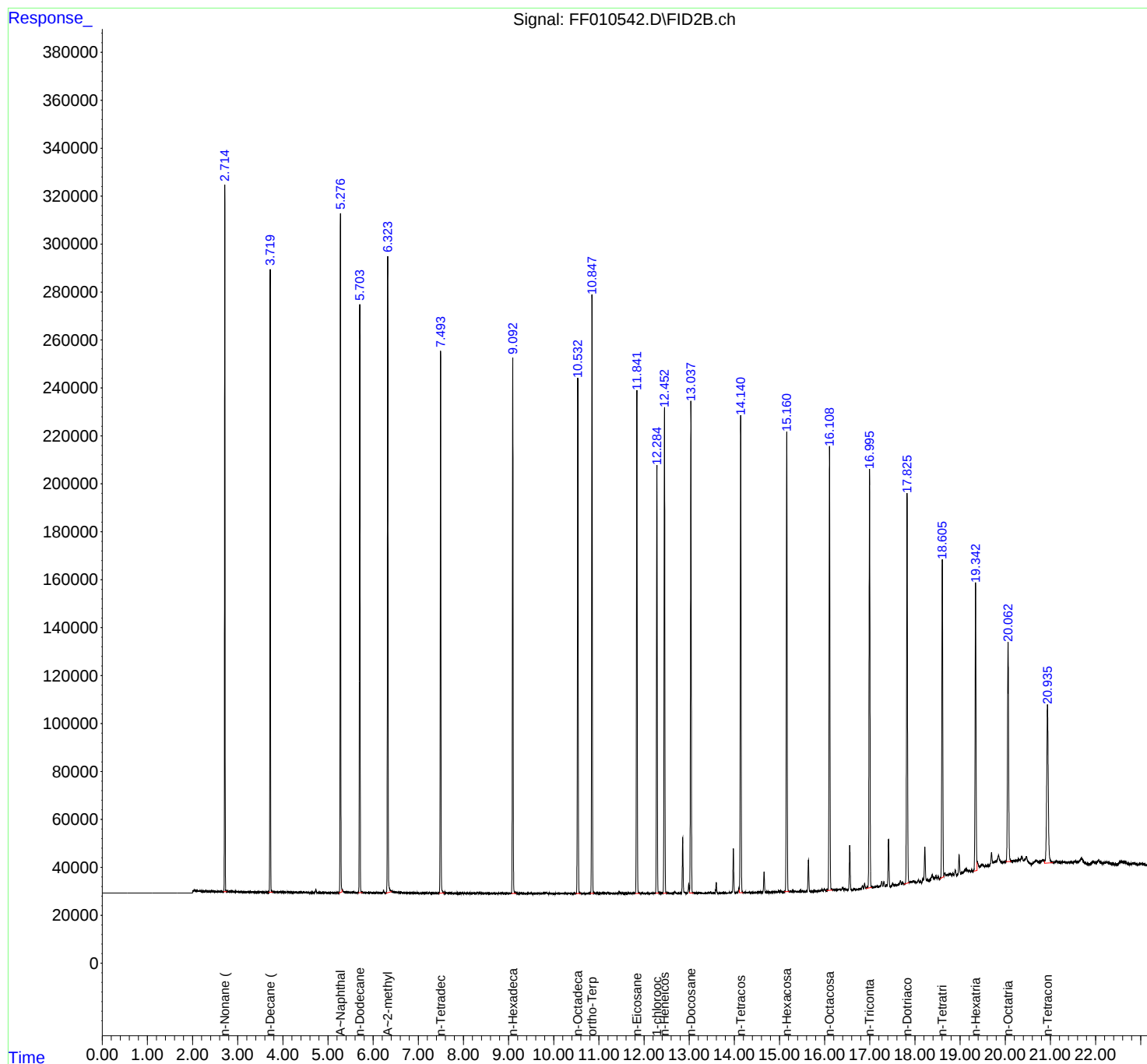
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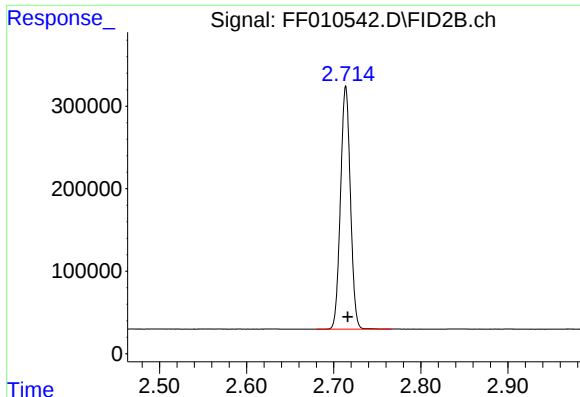
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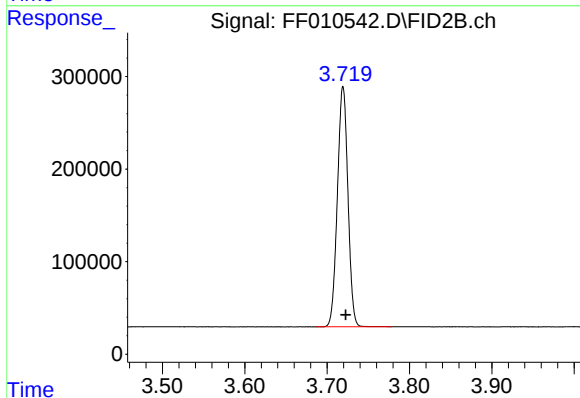
#1 n-Nonane (C9)

R.T.: 2.714 min
Delta R.T.: -0.002 min
Response: 2322072
Conc: 19.62 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

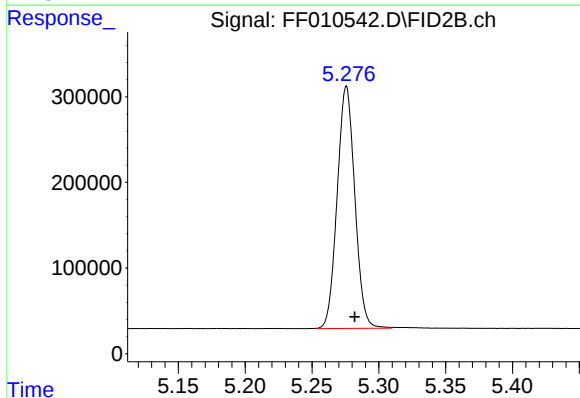
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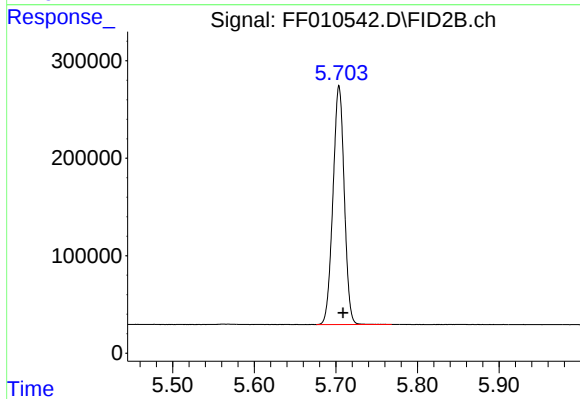
#2 n-Decane (C10)

R.T.: 3.719 min
Delta R.T.: -0.003 min
Response: 2309424
Conc: 19.67 ug/ml



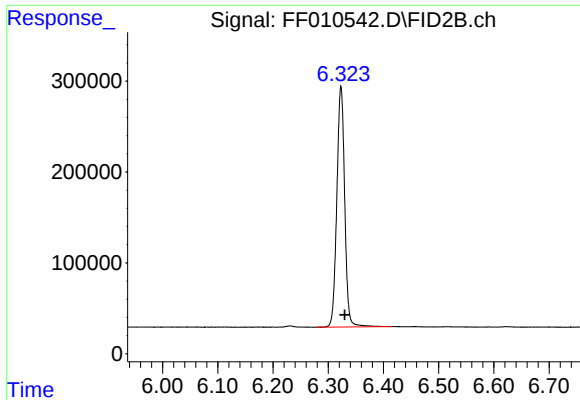
#3 A~Naphthalene (C11.7)

R.T.: 5.276 min
Delta R.T.: -0.006 min
Response: 2600937
Conc: 19.62 ug/ml m



#4 n-Dodecane (C12)

R.T.: 5.704 min
Delta R.T.: -0.005 min
Response: 2360128
Conc: 19.65 ug/ml



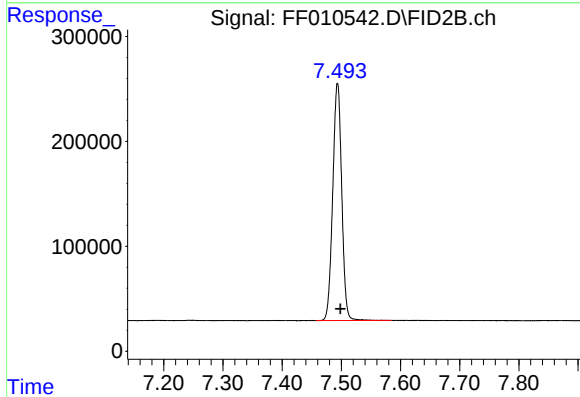
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.323 min
Delta R.T.: -0.007 min
Response: 2626639
Conc: 19.60 ug/ml

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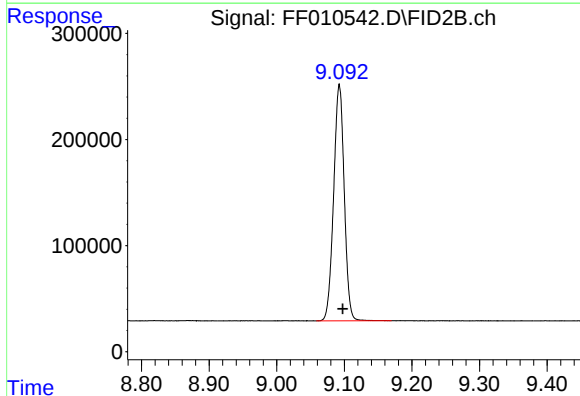
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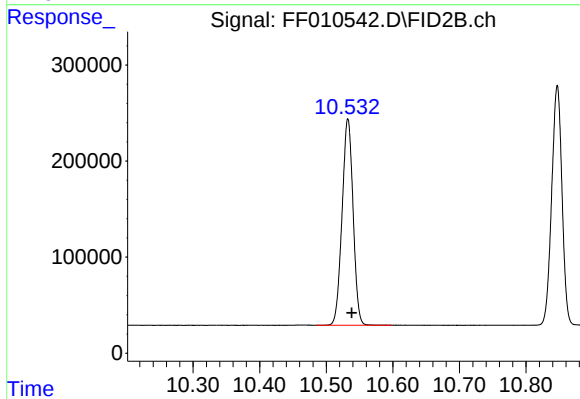
#6 n-Tetradecane (C14)

R.T.: 7.494 min
Delta R.T.: -0.005 min
Response: 2390004
Conc: 19.81 ug/ml



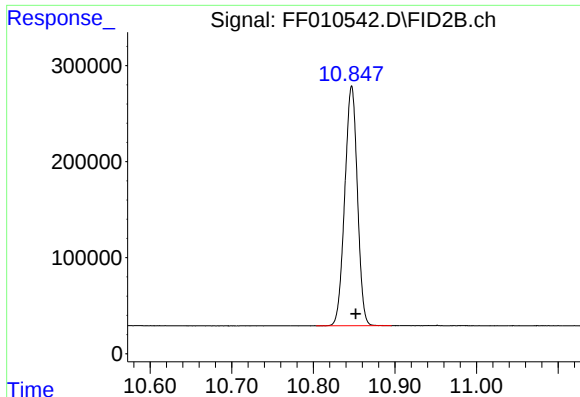
#7 n-Hexadecane (C16)

R.T.: 9.093 min
Delta R.T.: -0.005 min
Response: 2429435
Conc: 19.75 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.533 min
Delta R.T.: -0.005 min
Response: 2467515
Conc: 19.66 ug/ml



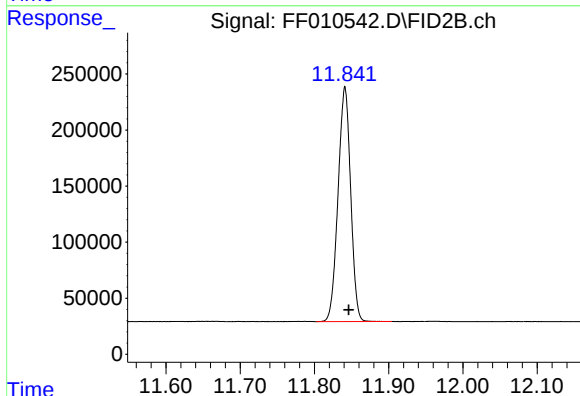
#9 ortho-Terphenyl (SURR)

R.T.: 10.847 min
Delta R.T.: -0.005 min
Response: 2683637
Conc: 19.49 ug/ml

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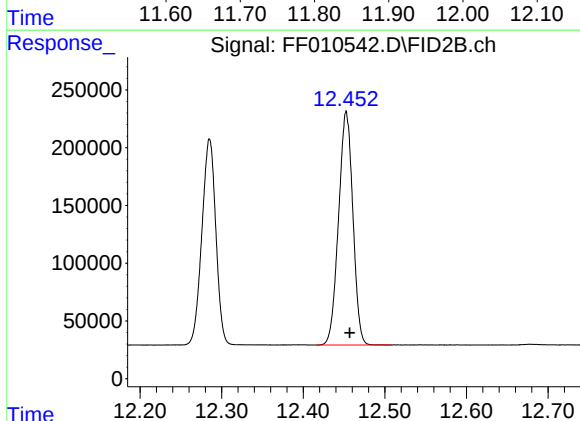
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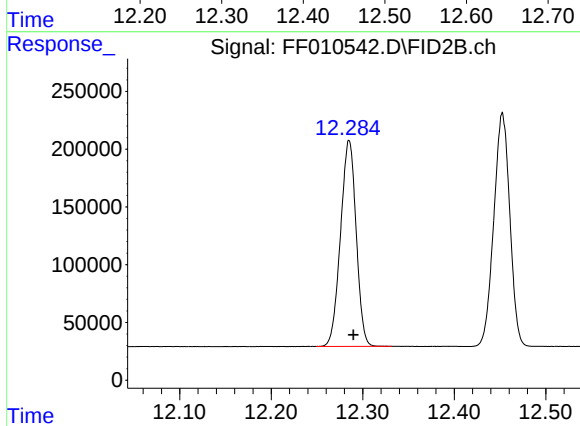
#10 n-Eicosane (C20)

R.T.: 11.841 min
Delta R.T.: -0.005 min
Response: 2469743
Conc: 19.69 ug/ml



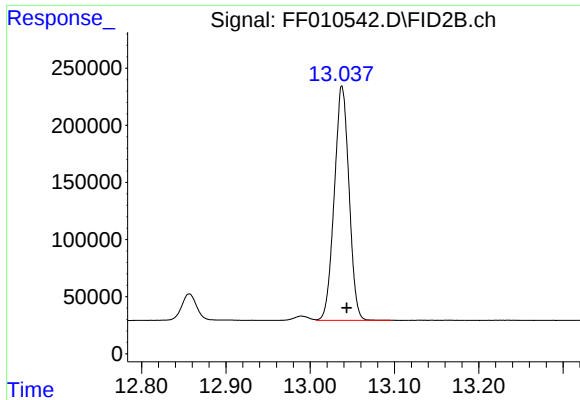
#11 n-Heneicosane (C21)

R.T.: 12.453 min
Delta R.T.: -0.004 min
Response: 2463167
Conc: 19.57 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.285 min
Delta R.T.: -0.005 min
Response: 2116741
Conc: 19.46 ug/ml



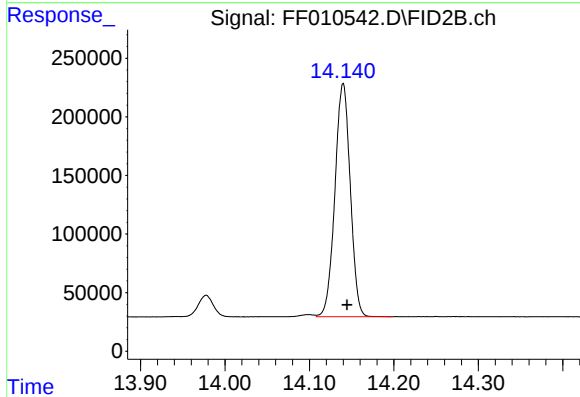
#13 n-Docosane (C22)

R.T.: 13.038 min
Delta R.T.: -0.005 min
Response: 2490233
Conc: 19.91 ug/ml

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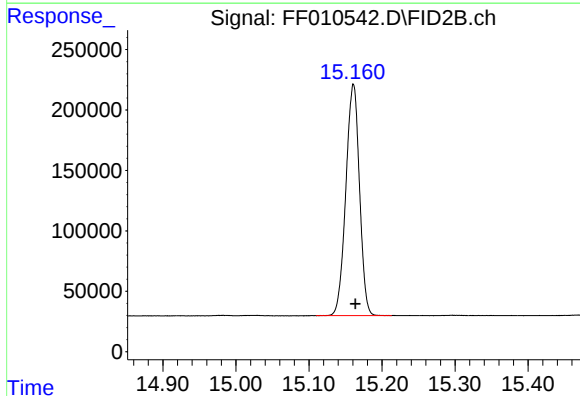
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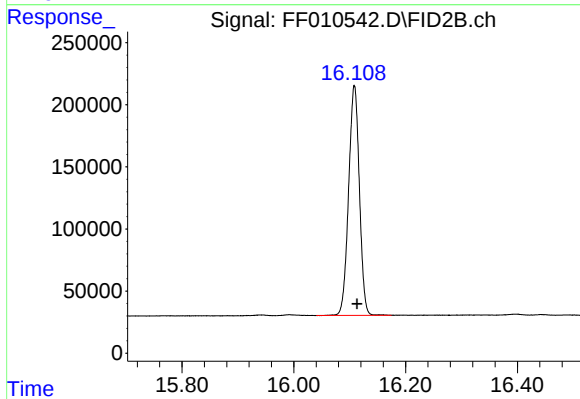
#14 n-Tetracosane (C24)

R.T.: 14.140 min
Delta R.T.: -0.005 min
Response: 2514667
Conc: 20.43 ug/ml



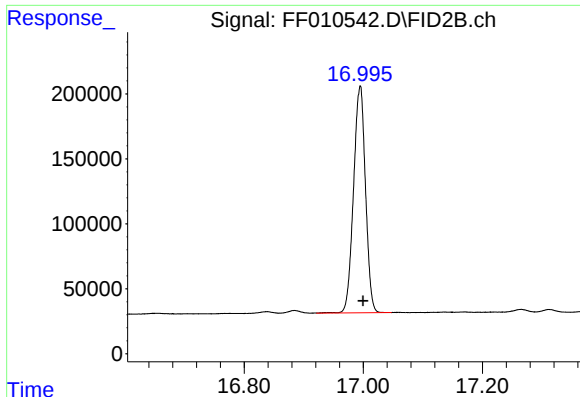
#15 n-Hexacosane (C26)

R.T.: 15.161 min
Delta R.T.: -0.003 min
Response: 2484770
Conc: 20.88 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.108 min
Delta R.T.: -0.005 min
Response: 2477309
Conc: 21.71 ug/ml



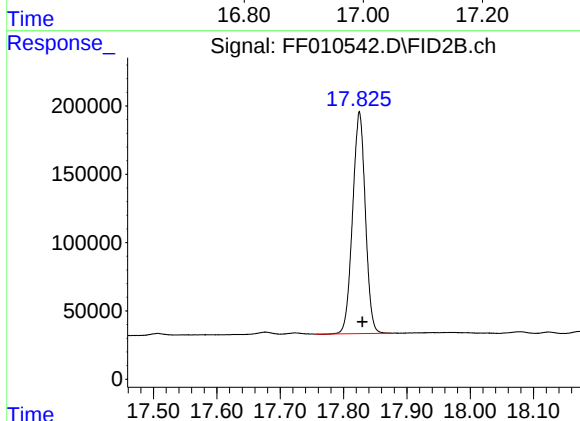
#17 n-Tricontane (C30)

R.T.: 16.995 min
Delta R.T.: -0.005 min
Response: 2432908
Conc: 22.31 ug/ml

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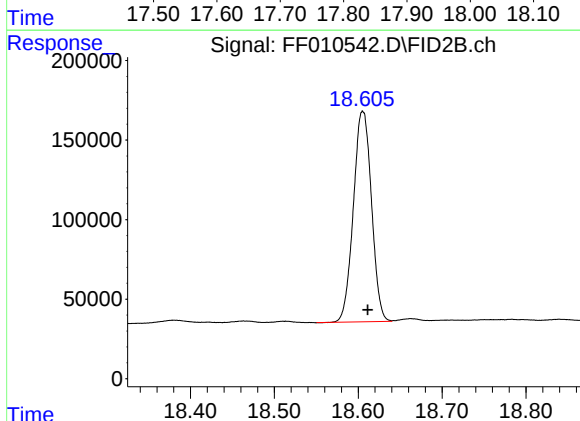
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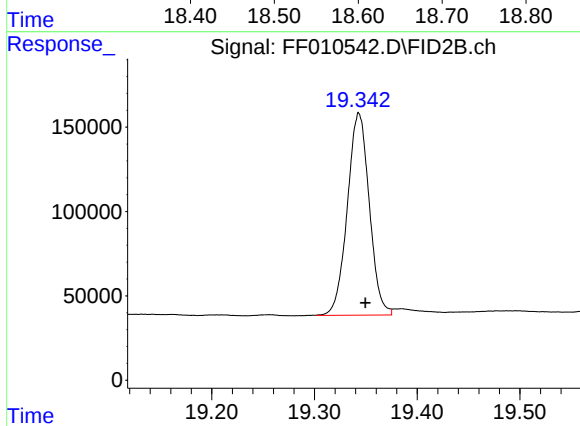
#18 n-Dotriacontane (C32)

R.T.: 17.825 min
Delta R.T.: -0.005 min
Response: 2273618
Conc: 22.19 ug/ml



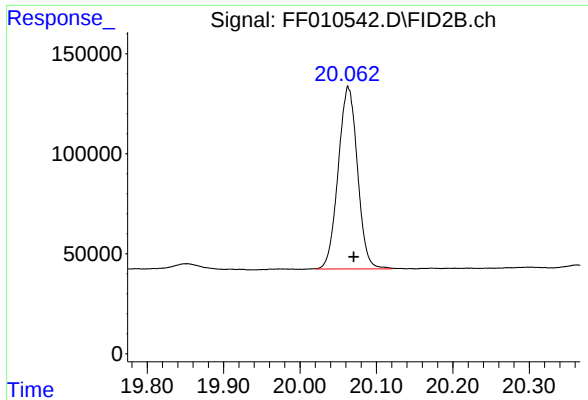
#19 n-Tetratriacontane (C34)

R.T.: 18.605 min
Delta R.T.: -0.006 min
Response: 1984279
Conc: 21.50 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.342 min
Delta R.T.: -0.007 min
Response: 1780636
Conc: 21.34 ug/ml m



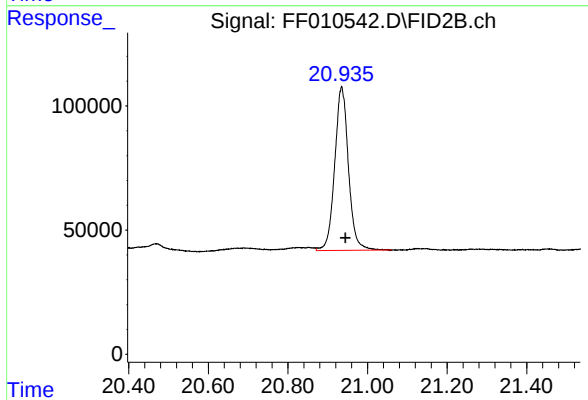
#21 n-Octatriacontane (C38)

R.T.: 20.062 min
Delta R.T.: -0.008 min
Response: 1596938
Conc: 21.45 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.935 min
Delta R.T.: -0.010 min
Response: 1578169
Conc: 21.11 ug/ml