

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD010322AL\
 Data File : FD040365.D
 Signal(s) : FID2B.CH
 Acq On : 03 Jan 2022 22:00
 Operator : AJ\MA
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/04/2022
 Supervised By :Ankita Jodhani 01/04/2022

Integration File: autoint1.e
 Quant Time: Jan 04 09:17:48 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 122821.M
 Quant Title : GC Extractables
 QLast Update : Wed Dec 29 02:26:30 2021
 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)	10.674	3561330	22.860 ug/ml
Spiked Amount 50.000		Recovery =	45.72%
12) S 1-chlorooctadecane (S...	12.108	2610552	21.647 ug/ml
Spiked Amount 50.000		Recovery =	43.29%
Target Compounds			
1) T n-Nonane (C9)	2.617	3259443	24.838 ug/ml
2) T n-Decane (C10)	3.606	3308113	24.992 ug/mlm
3) T A~Naphthalene (C11.7)	5.142	3582851	24.282 ug/ml
4) T n-Dodecane (C12)	5.577	3321169	25.007 ug/mlm
5) T A~2-methylnaphthalene...	6.182	3539718	23.854 ug/ml
6) T n-Tetradecane (C14)	7.353	3373153	24.399 ug/ml
7) T n-Hexadecane (C16)	8.939	3319771	24.211 ug/ml
8) T n-Octadecane (C18)	10.370	3329035	23.574 ug/ml
10) T n-Eicosane (C20)	11.670	3197206	22.869 ug/ml
11) T n-Heneicosane (C21)	12.278	3176256	22.449 ug/ml
13) T n-Docosane (C22)	12.861	3096161	22.062 ug/ml
14) T n-Tetracosane (C24)	13.956	3002022	21.381 ug/ml
15) T n-Hexacosane (C26)	14.971	2858395	20.787 ug/ml
16) T n-Octacosane (C28)	15.915	2794976	20.546 ug/ml
17) T n-Tricontane (C30)	16.797	2732482	20.418 ug/ml
18) T n-Dotriacontane (C32)	17.626	2555091	19.739 ug/ml
19) T n-Tetratriacontane (C34)	18.404	2366248	19.516 ug/ml
20) T n-Hexatriacontane (C36)	19.141	2101636	19.721 ug/ml
21) T n-Octatriacontane (C38)	19.842	1886157	20.425 ug/mlm
22) T n-Tetracontane (C40)	20.655	1619140	20.794 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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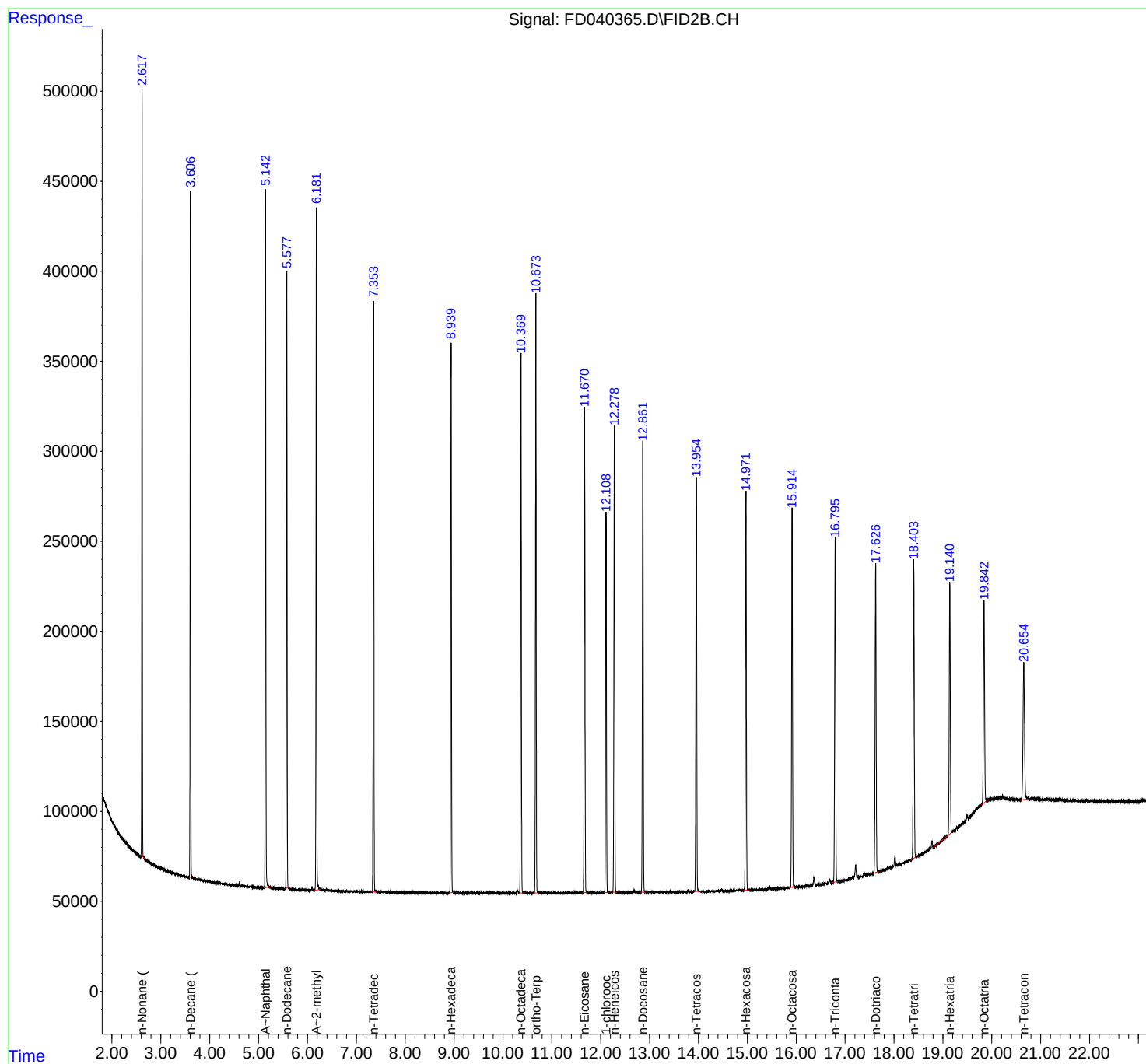
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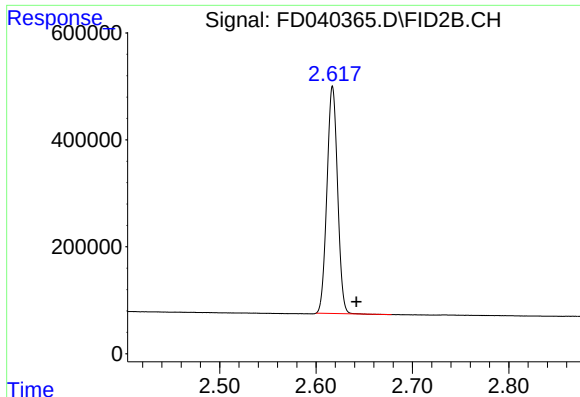
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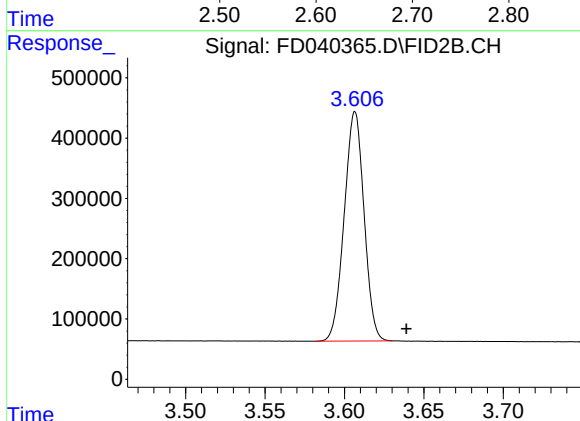
#1 n-Nonane (C9)

R.T.: 2.617 min
Delta R.T.: -0.025 min
Response: 3259443
Conc: 24.84 ug/ml

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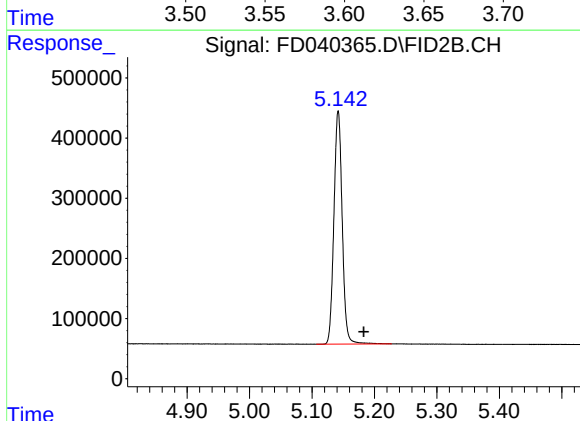
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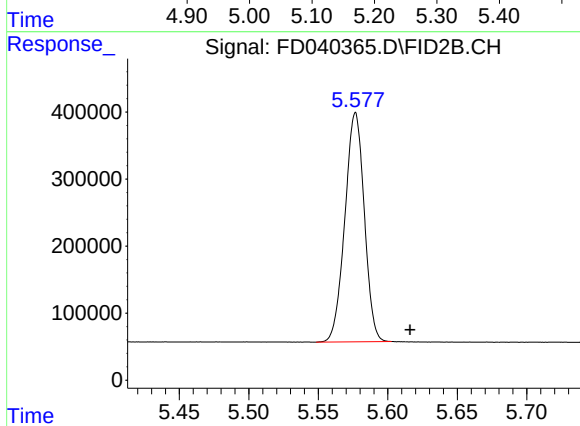
#2 n-Decane (C10)

R.T.: 3.606 min
Delta R.T.: -0.033 min
Response: 3308113
Conc: 24.99 ug/ml m



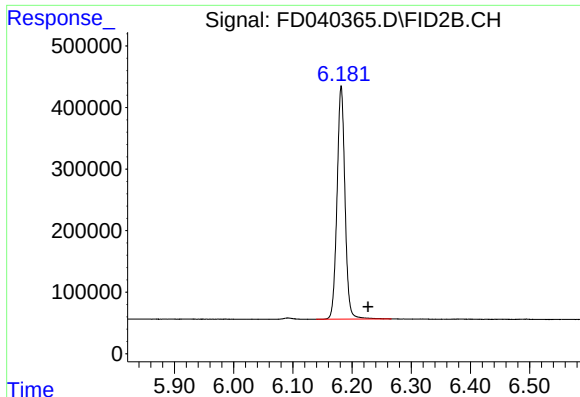
#3 A~Naphthalene (C11.7)

R.T.: 5.142 min
Delta R.T.: -0.041 min
Response: 3582851
Conc: 24.28 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.577 min
Delta R.T.: -0.039 min
Response: 3321169
Conc: 25.01 ug/ml m



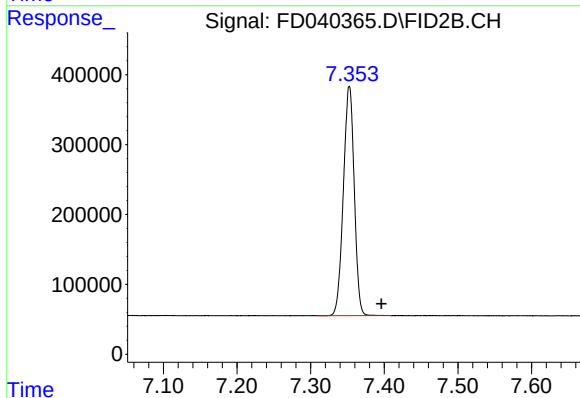
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.182 min
Delta R.T.: -0.045 min
Response: 3539718
Conc: 23.85 ug/ml

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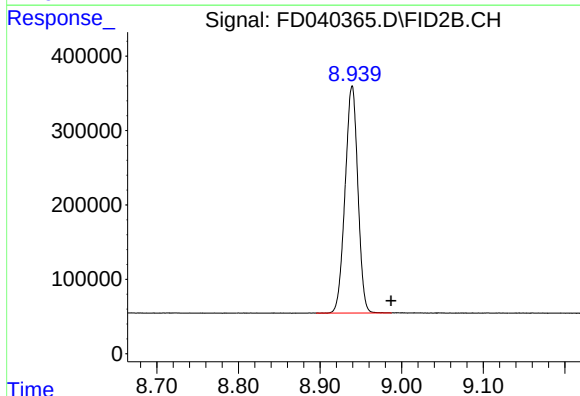
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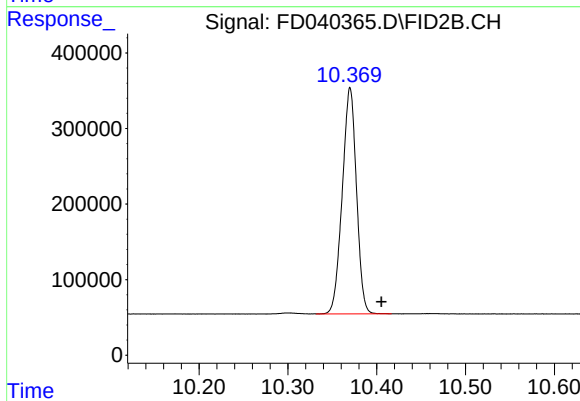
#6 n-Tetradecane (C14)

R.T.: 7.353 min
Delta R.T.: -0.043 min
Response: 3373153
Conc: 24.40 ug/ml



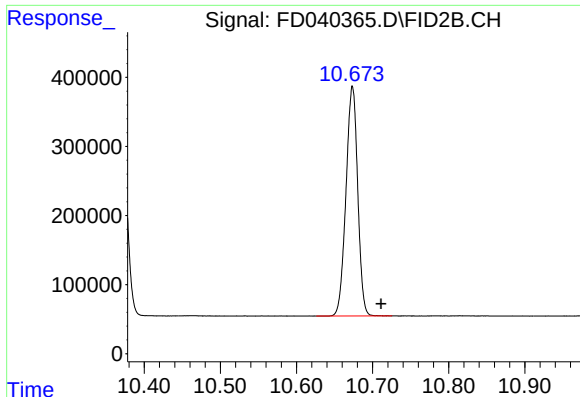
#7 n-Hexadecane (C16)

R.T.: 8.939 min
Delta R.T.: -0.048 min
Response: 3319771
Conc: 24.21 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.370 min
Delta R.T.: -0.035 min
Response: 3329035
Conc: 23.57 ug/ml



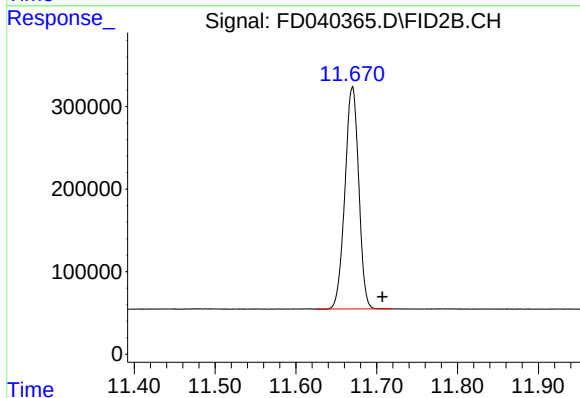
#9 ortho-Terphenyl (SURR)

R.T.: 10.674 min
Delta R.T.: -0.037 min
Response: 3561330
Conc: 22.86 ug/ml

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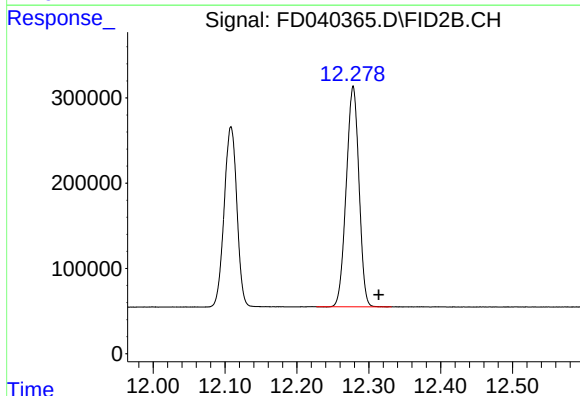
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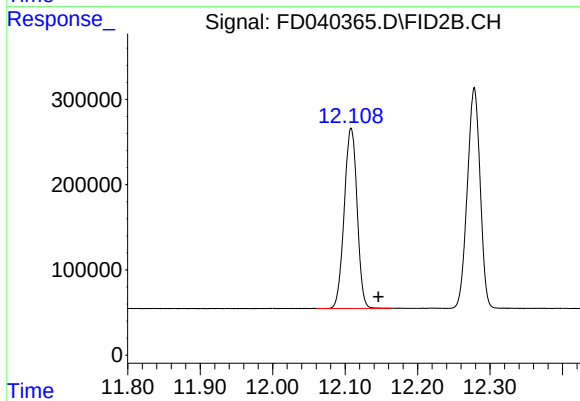
#10 n-Eicosane (C20)

R.T.: 11.670 min
Delta R.T.: -0.037 min
Response: 3197206
Conc: 22.87 ug/ml



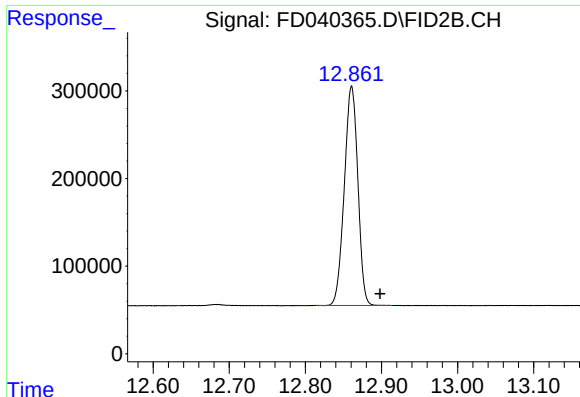
#11 n-Heneicosane (C21)

R.T.: 12.278 min
Delta R.T.: -0.036 min
Response: 3176256
Conc: 22.45 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.108 min
Delta R.T.: -0.038 min
Response: 2610552
Conc: 21.65 ug/ml



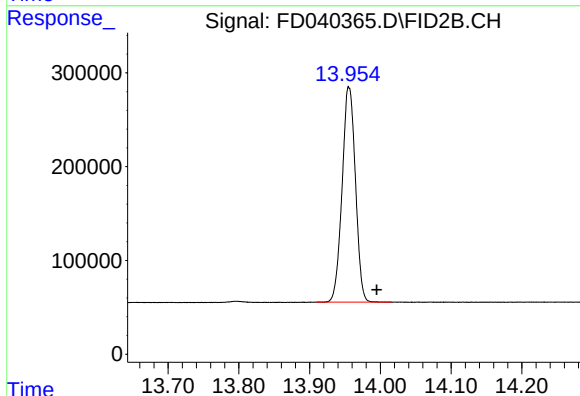
#13 n-Docosane (C22)

R.T.: 12.861 min
Delta R.T.: -0.037 min
Response: 3096161
Conc: 22.06 ug/ml

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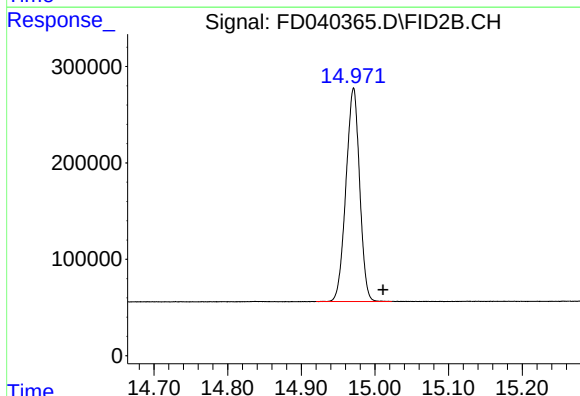
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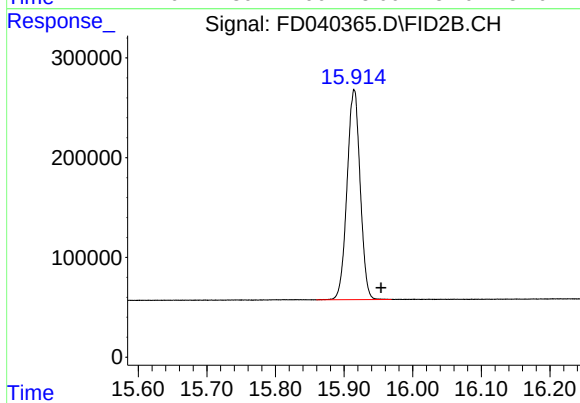
#14 n-Tetracosane (C24)

R.T.: 13.956 min
Delta R.T.: -0.039 min
Response: 3002022
Conc: 21.38 ug/ml



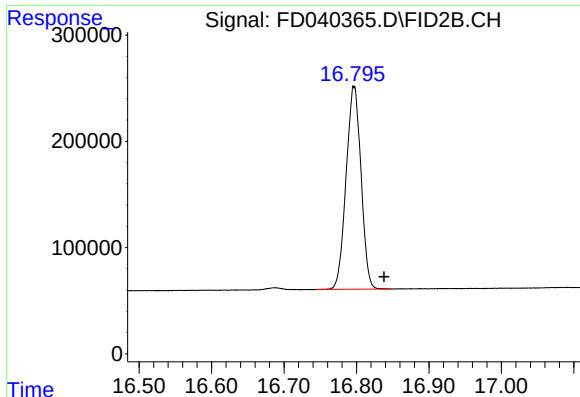
#15 n-Hexacosane (C26)

R.T.: 14.971 min
Delta R.T.: -0.040 min
Response: 2858395
Conc: 20.79 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.915 min
Delta R.T.: -0.039 min
Response: 2794976
Conc: 20.55 ug/ml



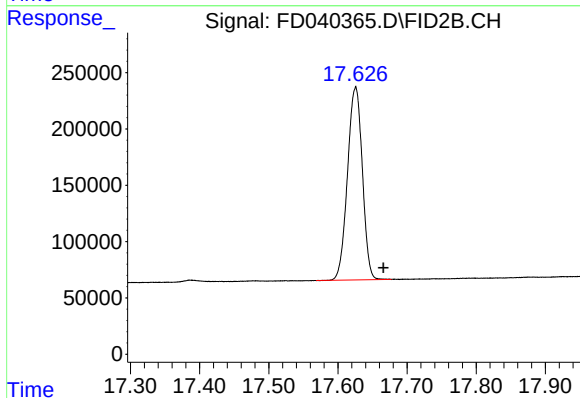
#17 n-Tricontane (C30)

R.T.: 16.797 min
Delta R.T.: -0.041 min
Response: 2732482
Conc: 20.42 ug/ml

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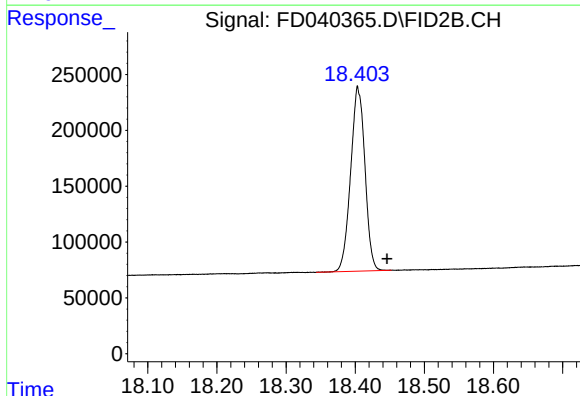
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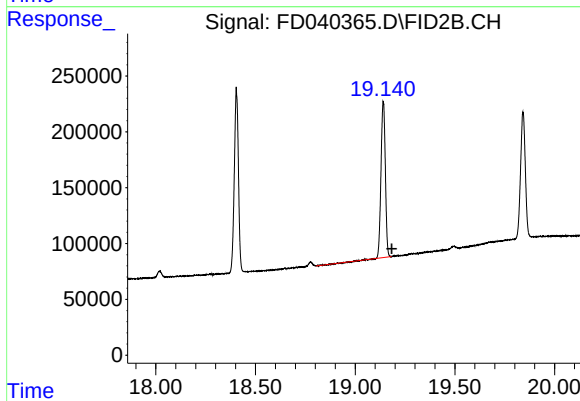
#18 n-Dotriacontane (C32)

R.T.: 17.626 min
Delta R.T.: -0.040 min
Response: 2555091
Conc: 19.74 ug/ml



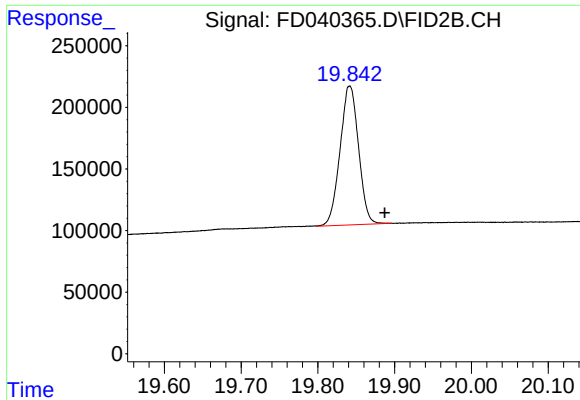
#19 n-Tetratriacontane (C34)

R.T.: 18.404 min
Delta R.T.: -0.042 min
Response: 2366248
Conc: 19.52 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.141 min
Delta R.T.: -0.042 min
Response: 2101636
Conc: 19.72 ug/ml



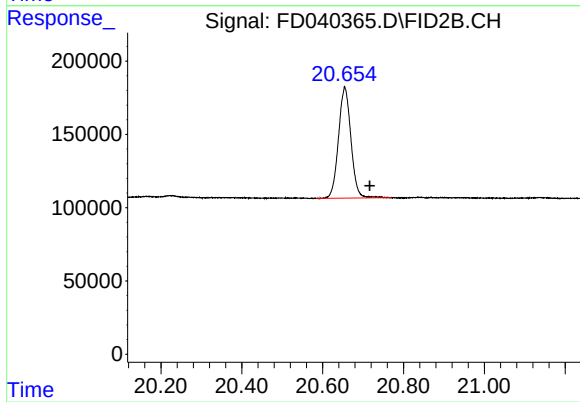
#21 n-Octatriacontane (C38)

R.T.: 19.842 min
Delta R.T.: -0.045 min
Response: 1886157
Conc: 20.42 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.655 min
Delta R.T.: -0.062 min
Response: 1619140
Conc: 20.79 ug/ml