

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD010322AL\
 Data File : FD040386.D
 Signal(s) : FID2B.CH
 Acq On : 04 Jan 2022 11:15
 Operator : AJ\MA
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 49 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 11:41:45 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)	10.672	2651337	17.019 ug/ml
Spiked Amount 50.000		Recovery =	34.04%
12) S 1-chlorooctadecane (S...	12.107	2001476	16.596 ug/ml
Spiked Amount 50.000		Recovery =	33.19%
Target Compounds			
1) T n-Nonane (C9)	2.616	2408453	18.353 ug/ml
2) T n-Decane (C10)	3.605	2500707	18.892 ug/ml
3) T A~Naphthalene (C11.7)	5.141	2691418	18.240 ug/ml
4) T n-Dodecane (C12)	5.575	2497862	18.808 ug/ml
5) T A~2-methylnaphthalene...	6.180	2687122	18.109 ug/ml
6) T n-Tetradecane (C14)	7.351	2523039	18.250 ug/ml
7) T n-Hexadecane (C16)	8.938	2482984	18.109 ug/ml
8) T n-Octadecane (C18)	10.368	2476581	17.537 ug/ml
10) T n-Eicosane (C20)	11.669	2378193	17.011 ug/ml
11) T n-Heneicosane (C21)	12.276	2360335	16.682 ug/ml
13) T n-Docosane (C22)	12.859	2299951	16.388 ug/ml
14) T n-Tetracosane (C24)	13.956	2226460	15.857 ug/ml
15) T n-Hexacosane (C26)	14.969	2132904	15.511 ug/ml
16) T n-Octacosane (C28)	15.915	2095839	15.407 ug/ml
17) T n-Tricontane (C30)	16.796	2049324	15.313 ug/ml
18) T n-Dotriacontane (C32)	17.623	1932986	14.933 ug/ml
19) T n-Tetratriacontane (C34)	18.403	1840350	15.179 ug/mlm
20) T n-Hexatriacontane (C36)	19.139	1775769	16.663 ug/ml
21) T n-Octatriacontane (C38)	19.841	1692782	18.331 ug/mlm
22) T n-Tetracontane (C40)	20.654	1685138	21.642 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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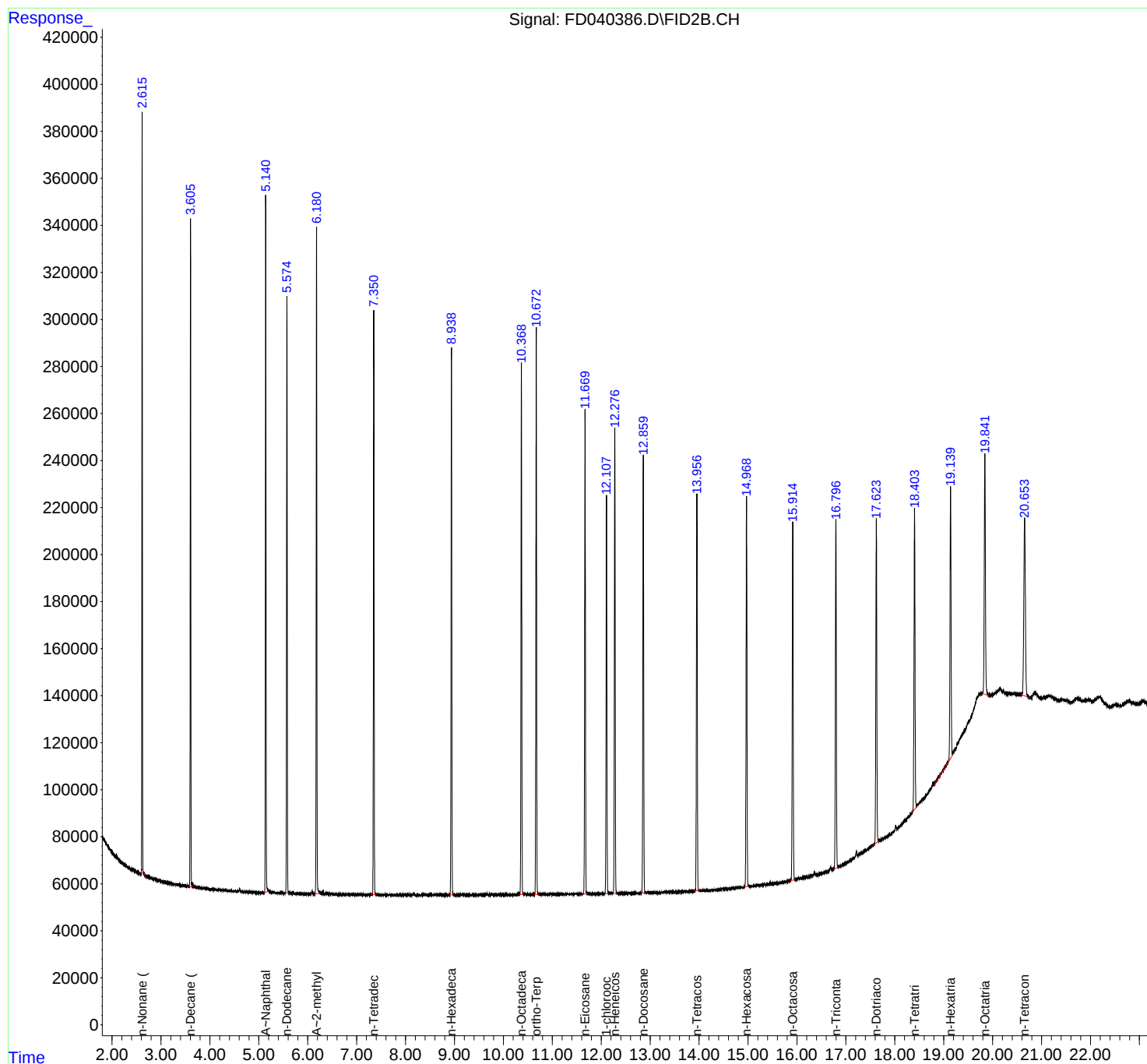
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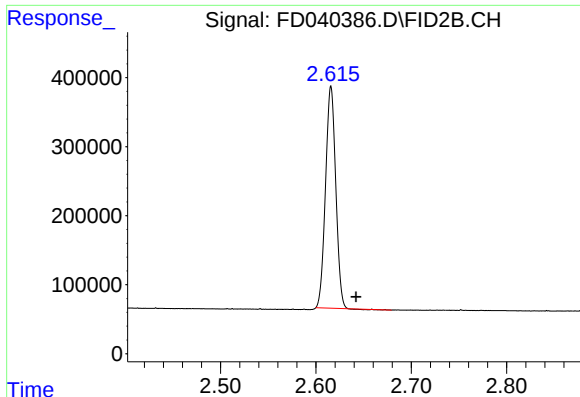
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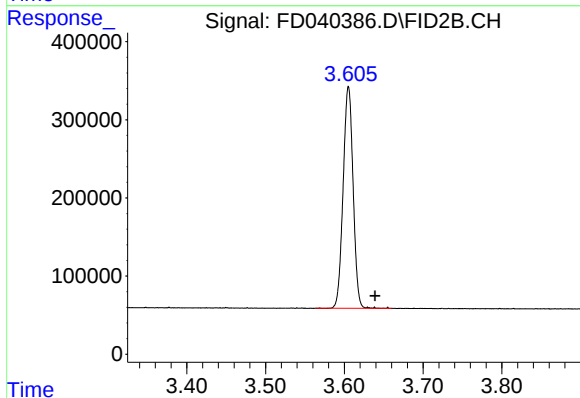
#1 n-Nonane (C9)

R.T.: 2.616 min
Delta R.T.: -0.026 min
Response: 2408453
Conc: 18.35 ug/ml

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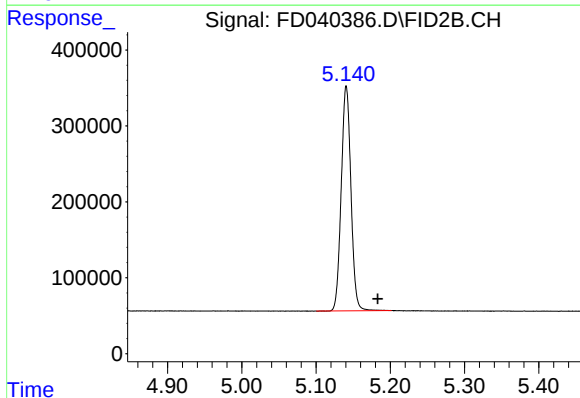
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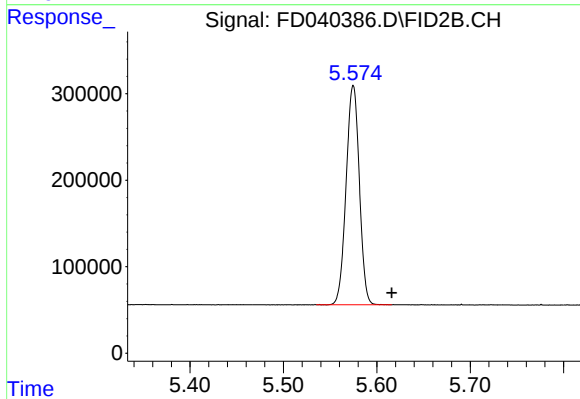
#2 n-Decane (C10)

R.T.: 3.605 min
Delta R.T.: -0.034 min
Response: 2500707
Conc: 18.89 ug/ml



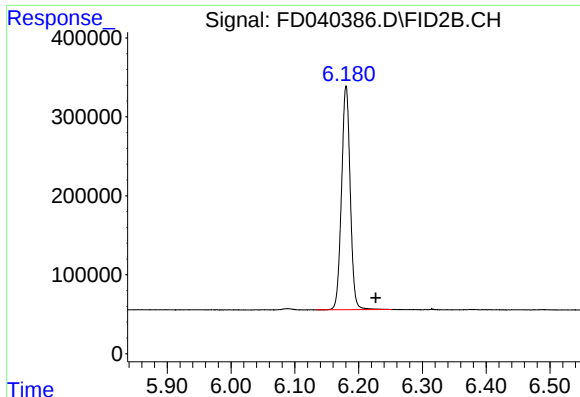
#3 A~Naphthalene (C11.7)

R.T.: 5.141 min
Delta R.T.: -0.042 min
Response: 2691418
Conc: 18.24 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.575 min
Delta R.T.: -0.041 min
Response: 2497862
Conc: 18.81 ug/ml



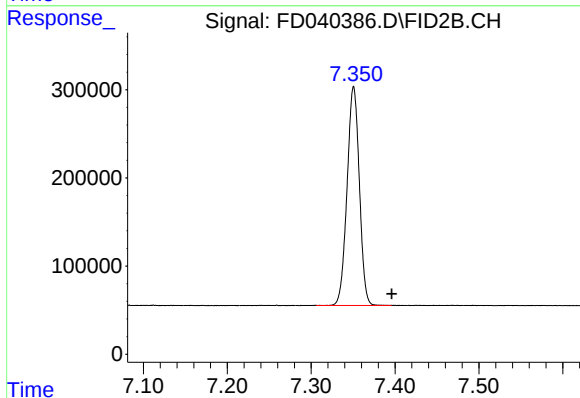
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.180 min
Delta R.T.: -0.047 min
Response: 2687122
Conc: 18.11 ug/ml

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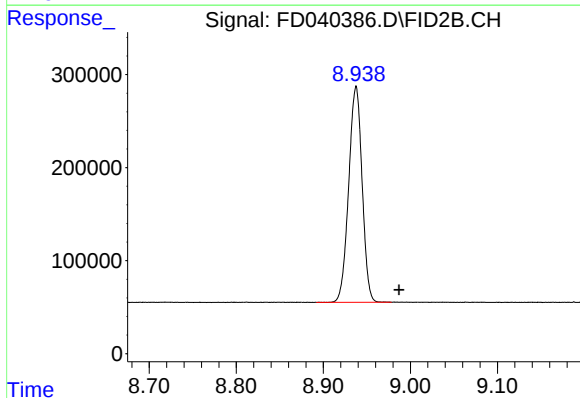
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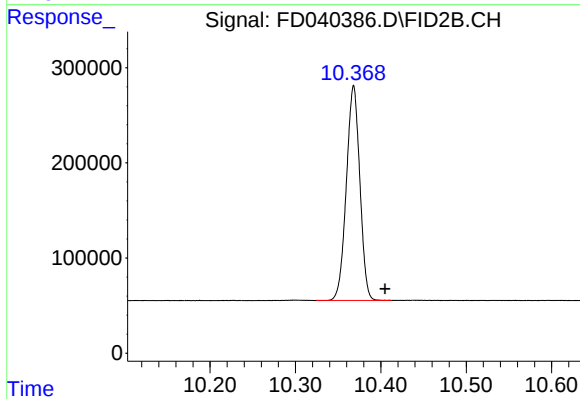
#6 n-Tetradecane (C14)

R.T.: 7.351 min
Delta R.T.: -0.045 min
Response: 2523039
Conc: 18.25 ug/ml



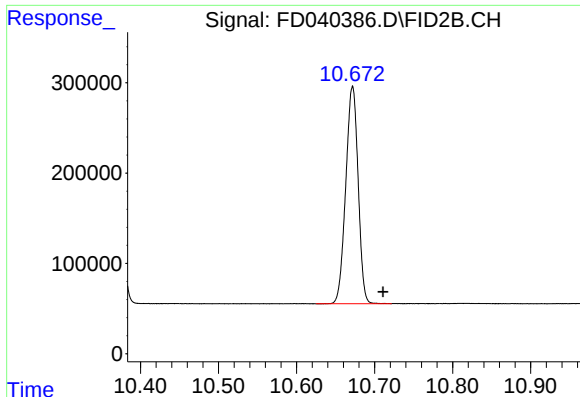
#7 n-Hexadecane (C16)

R.T.: 8.938 min
Delta R.T.: -0.049 min
Response: 2482984
Conc: 18.11 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.368 min
Delta R.T.: -0.037 min
Response: 2476581
Conc: 17.54 ug/ml



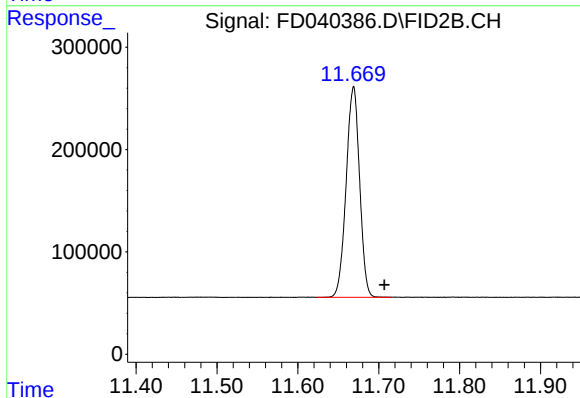
#9 ortho-Terphenyl (SURR)

R.T.: 10.672 min
Delta R.T.: -0.039 min
Response: 2651337
Conc: 17.02 ug/ml

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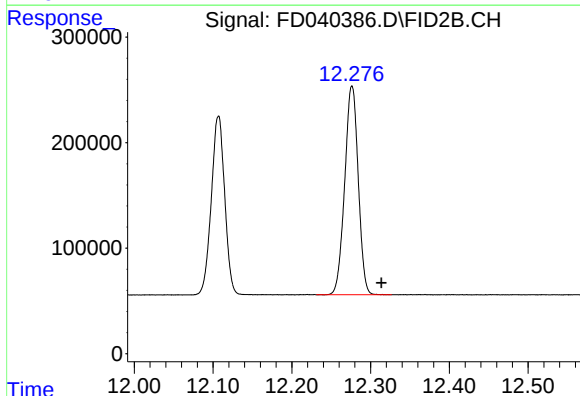
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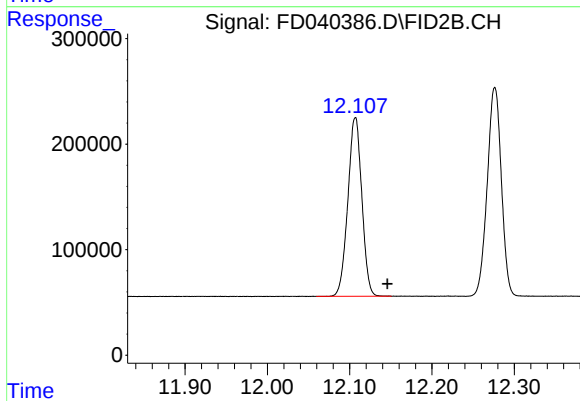
#10 n-Eicosane (C20)

R.T.: 11.669 min
Delta R.T.: -0.038 min
Response: 2378193
Conc: 17.01 ug/ml



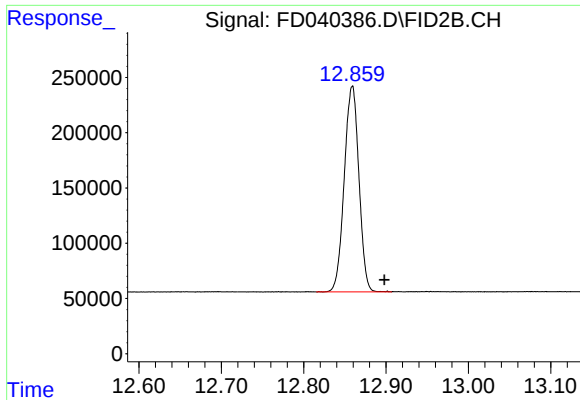
#11 n-Heneicosane (C21)

R.T.: 12.276 min
Delta R.T.: -0.038 min
Response: 2360335
Conc: 16.68 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.107 min
Delta R.T.: -0.039 min
Response: 2001476
Conc: 16.60 ug/ml



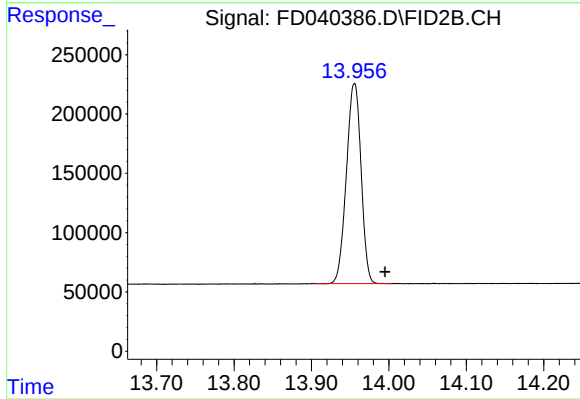
#13 n-Docosane (C22)

R.T.: 12.859 min
Delta R.T.: -0.039 min
Response: 2299951
Conc: 16.39 ug/ml

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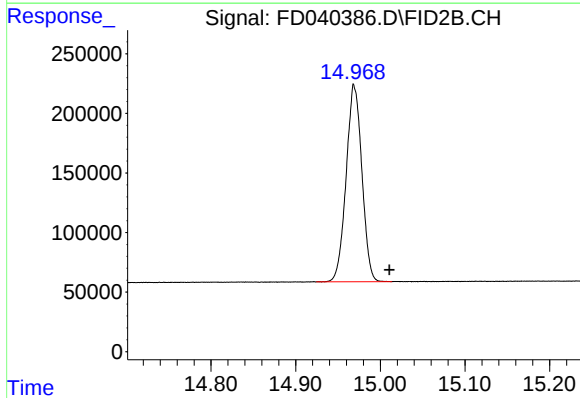
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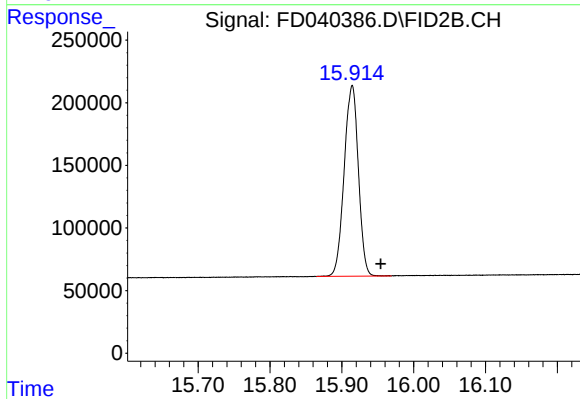
#14 n-Tetracosane (C24)

R.T.: 13.956 min
Delta R.T.: -0.039 min
Response: 2226460
Conc: 15.86 ug/ml



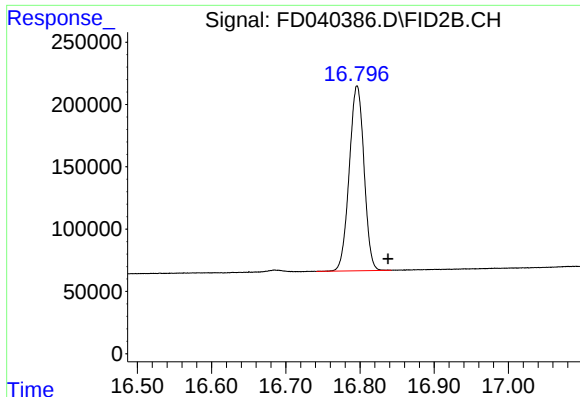
#15 n-Hexacosane (C26)

R.T.: 14.969 min
Delta R.T.: -0.042 min
Response: 2132904
Conc: 15.51 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.915 min
Delta R.T.: -0.040 min
Response: 2095839
Conc: 15.41 ug/ml



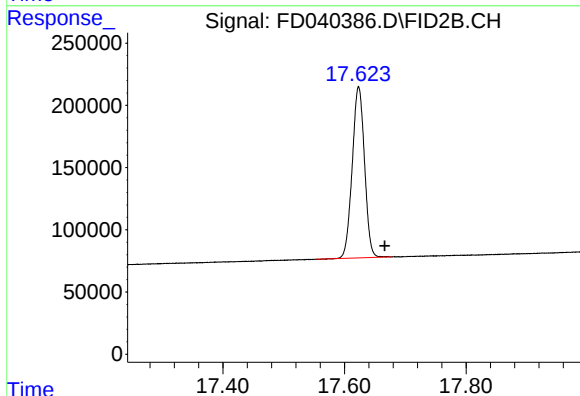
#17 n-Tricontane (C30)

R.T.: 16.796 min
Delta R.T.: -0.042 min
Response: 2049324
Conc: 15.31 ug/ml

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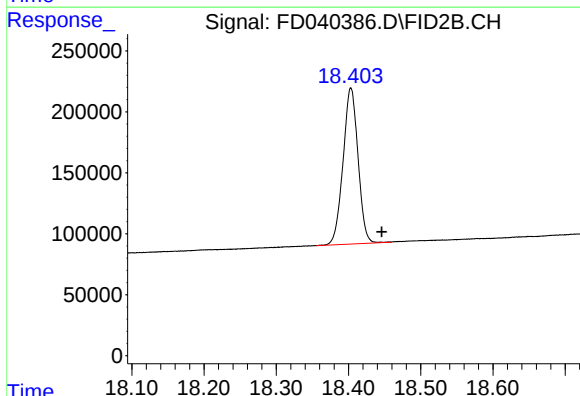
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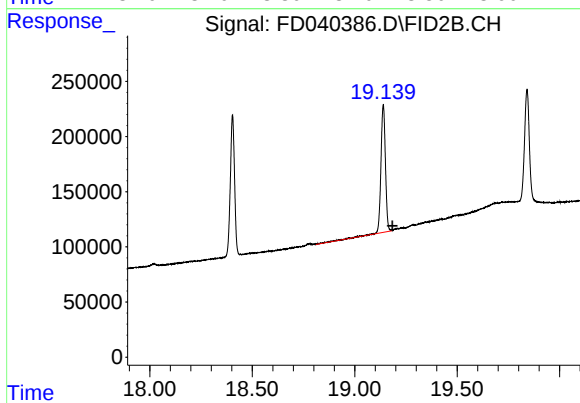
#18 n-Dotriacontane (C32)

R.T.: 17.623 min
Delta R.T.: -0.043 min
Response: 1932986
Conc: 14.93 ug/ml



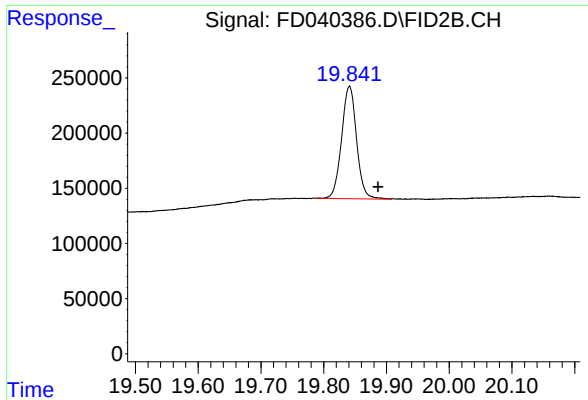
#19 n-Tetratriacontane (C34)

R.T.: 18.403 min
Delta R.T.: -0.043 min
Response: 1840350
Conc: 15.18 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.139 min
Delta R.T.: -0.044 min
Response: 1775769
Conc: 16.66 ug/ml



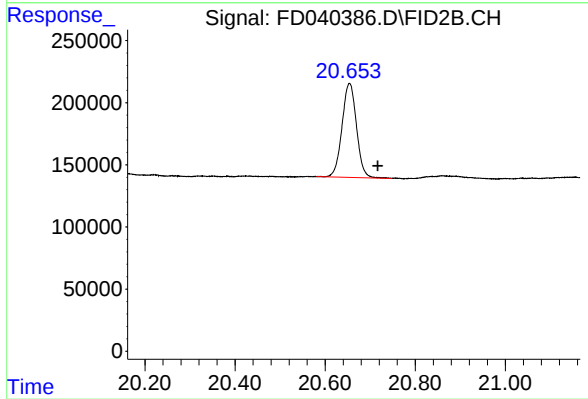
#21 n-Octatriacontane (C38)

R.T.: 19.841 min
Delta R.T.: -0.046 min
Response: 1692782
Conc: 18.33 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.654 min
Delta R.T.: -0.063 min
Response: 1685138
Conc: 21.64 ug/ml