

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD122921AL\
 Data File : FD040277.D
 Signal(s) : FID2B.CH
 Acq On : 30 Dec 2021 1:41
 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 12/30/2021
 Supervised By :Ankita Jodhani 12/30/2021

Integration File: autoint1.e
 Quant Time: Dec 30 04:20:46 2021
 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)	10.709	2919425	18.740 ug/ml
Spiked Amount 50.000		Recovery =	37.48%
12) S 1-chlorooctadecane (S...	12.144	2241888	18.590 ug/ml
Spiked Amount 50.000		Recovery =	37.18%
Target Compounds			
1) T n-Nonane (C9)	2.638	2564302	19.541 ug/ml
2) T n-Decane (C10)	3.631	2595982	19.612 ug/ml
3) T A~Naphthalene (C11.7)	5.171	2846360	19.290 ug/ml
4) T n-Dodecane (C12)	5.604	2609311	19.647 ug/ml
5) T A~2-methylnaphthalene...	6.212	2860491	19.277 ug/ml
6) T n-Tetradecane (C14)	7.382	2659715	19.238 ug/ml
7) T n-Hexadecane (C16)	8.970	2658684	19.390 ug/ml
8) T n-Octadecane (C18)	10.402	2702839	19.140 ug/ml
10) T n-Eicosane (C20)	11.704	2656138	18.999 ug/ml
11) T n-Heneicosane (C21)	12.312	2644792	18.693 ug/ml
13) T n-Docosane (C22)	12.896	2634454	18.772 ug/ml
14) T n-Tetracosane (C24)	13.993	2633539	18.757 ug/ml
15) T n-Hexacosane (C26)	15.008	2532636	18.418 ug/ml
16) T n-Octacosane (C28)	15.953	2496049	18.349 ug/ml
17) T n-Tricontane (C30)	16.836	2433811	18.186 ug/ml
18) T n-Dotriacontane (C32)	17.663	2247733	17.364 ug/ml
19) T n-Tetratriacontane (C34)	18.444	2065908	17.039 ug/mlm
20) T n-Hexatriacontane (C36)	19.180	1881833	17.658 ug/mlm
21) T n-Octatriacontane (C38)	19.884	1765321	19.116 ug/mlm
22) T n-Tetracontane (C40)	20.712	1732296	22.247 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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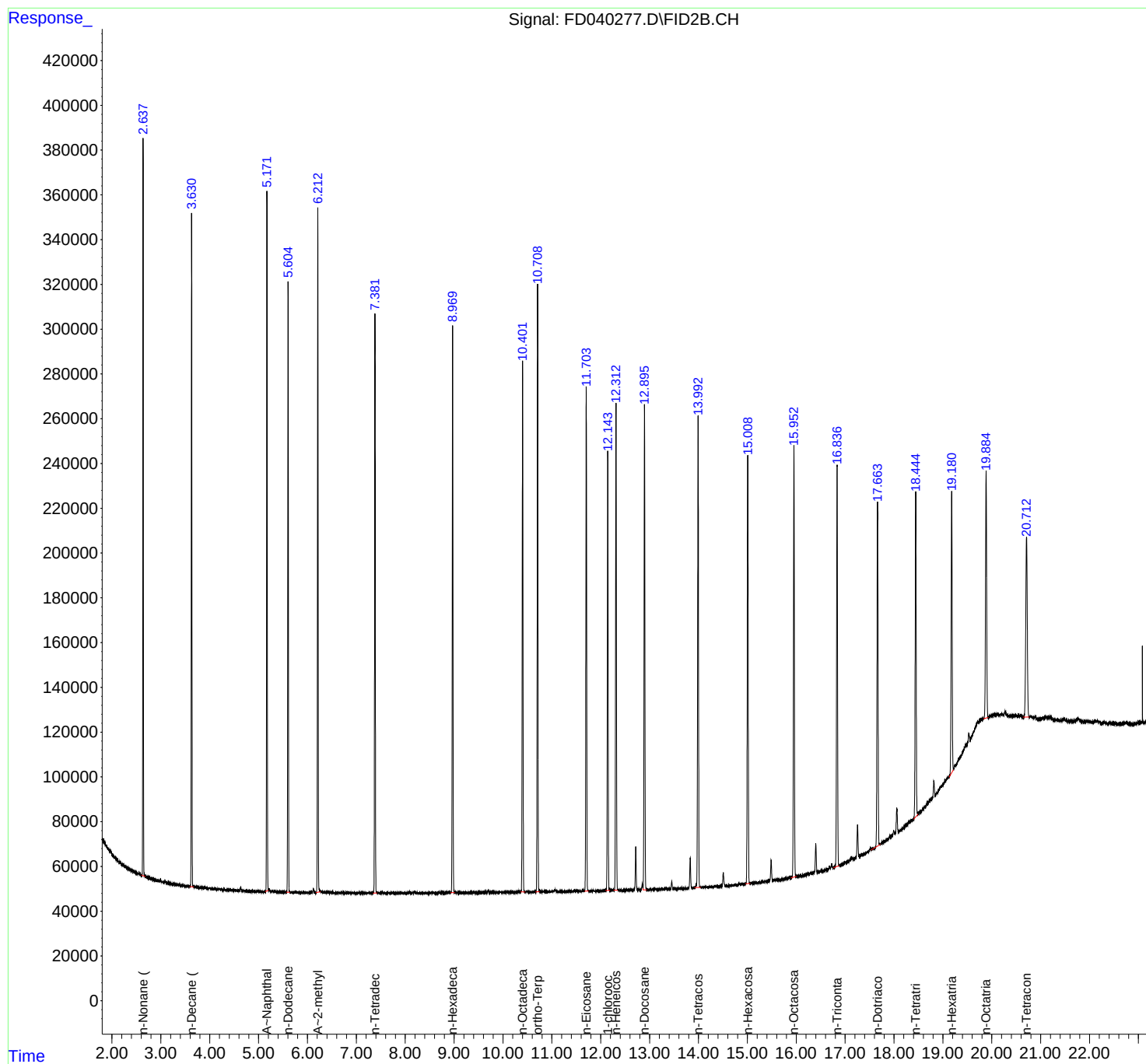
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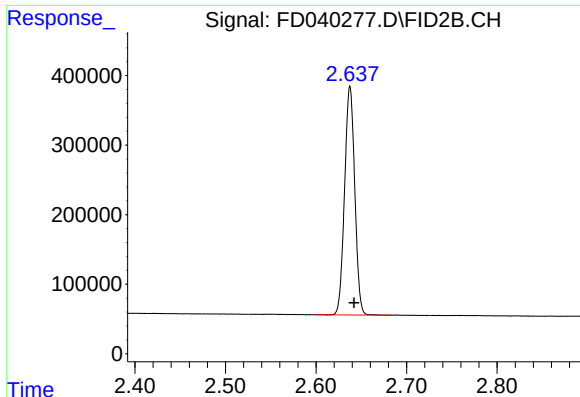
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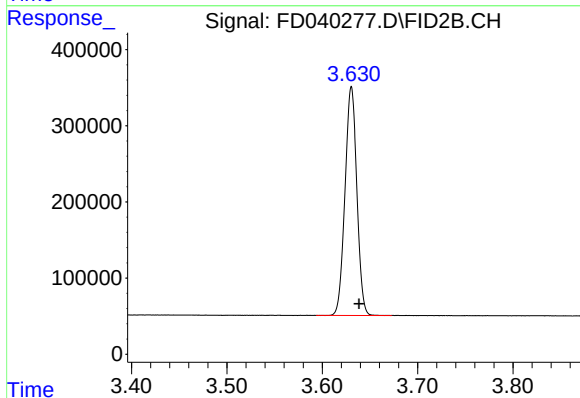
#1 n-Nonane (C9)

R.T.: 2.638 min
Delta R.T.: -0.004 min
Response: 2564302
Conc: 19.54 ug/ml

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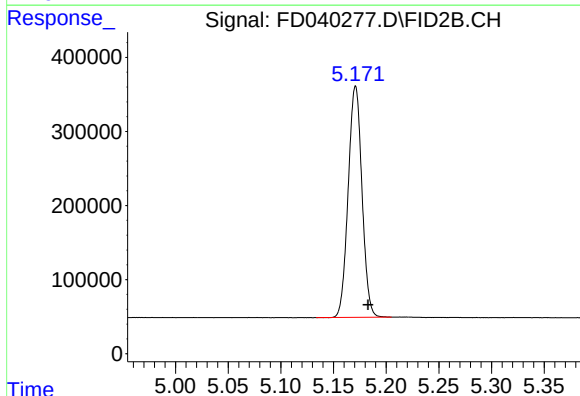
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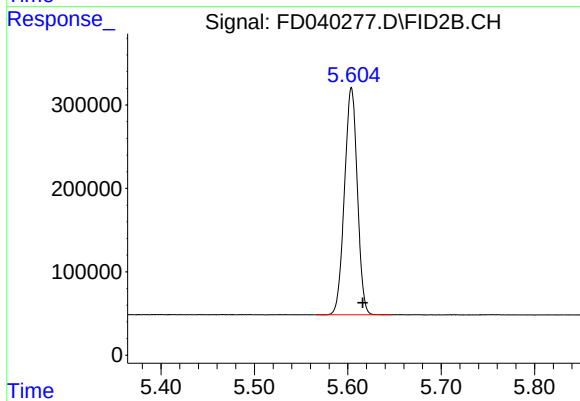
#2 n-Decane (C10)

R.T.: 3.631 min
Delta R.T.: -0.008 min
Response: 2595982
Conc: 19.61 ug/ml



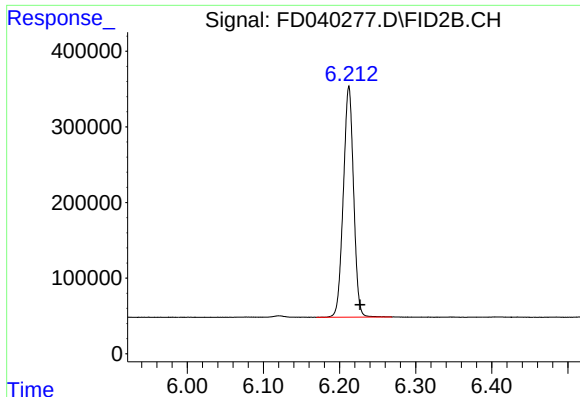
#3 A~Naphthalene (C11.7)

R.T.: 5.171 min
Delta R.T.: -0.012 min
Response: 2846360
Conc: 19.29 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.604 min
Delta R.T.: -0.012 min
Response: 2609311
Conc: 19.65 ug/ml



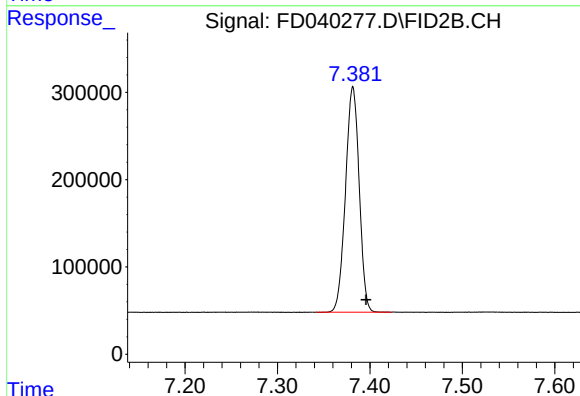
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.212 min
Delta R.T.: -0.015 min
Response: 2860491
Conc: 19.28 ug/ml

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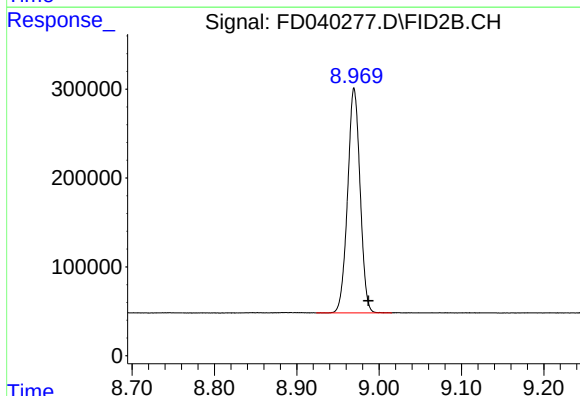
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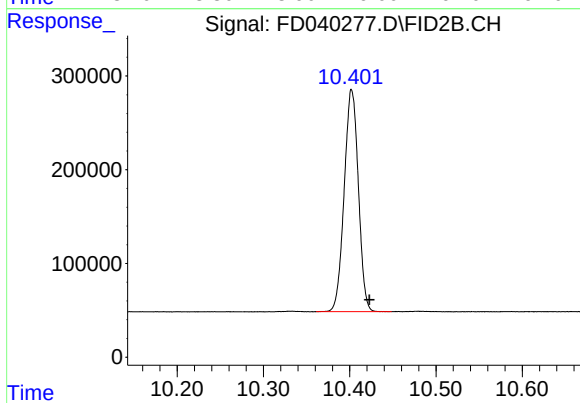
#6 n-Tetradecane (C14)

R.T.: 7.382 min
Delta R.T.: -0.014 min
Response: 2659715
Conc: 19.24 ug/ml



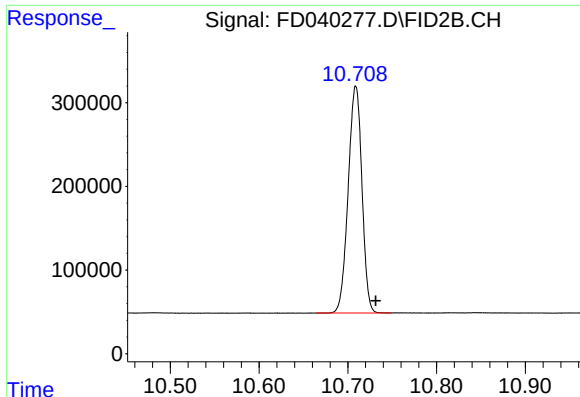
#7 n-Hexadecane (C16)

R.T.: 8.970 min
Delta R.T.: -0.017 min
Response: 2658684
Conc: 19.39 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.402 min
Delta R.T.: -0.021 min
Response: 2702839
Conc: 19.14 ug/ml



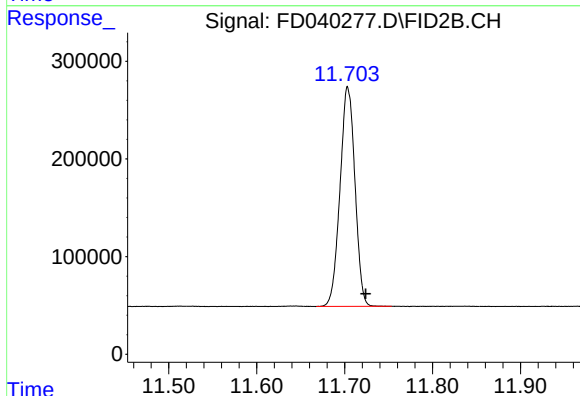
#9 ortho-Terphenyl (SURR)

R.T.: 10.709 min
Delta R.T.: -0.022 min
Response: 2919425
Conc: 18.74 ug/ml

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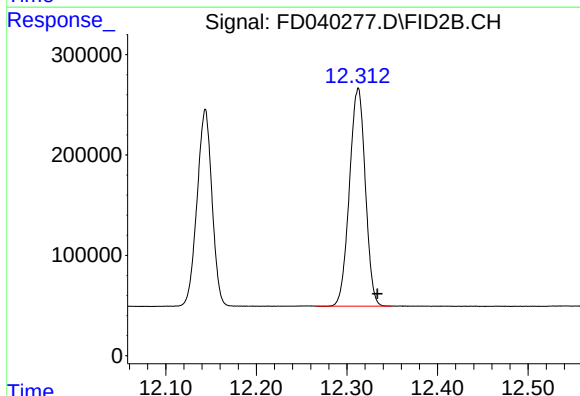
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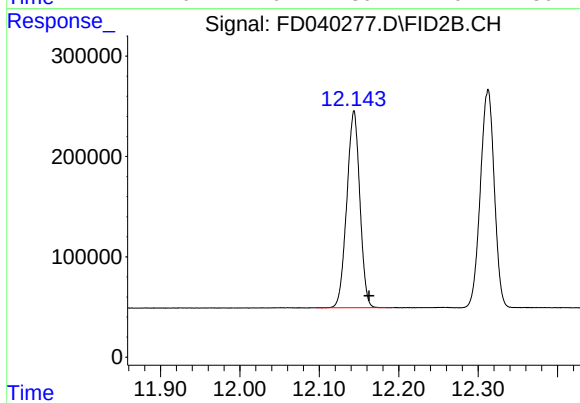
#10 n-Eicosane (C20)

R.T.: 11.704 min
Delta R.T.: -0.021 min
Response: 2656138
Conc: 19.00 ug/ml



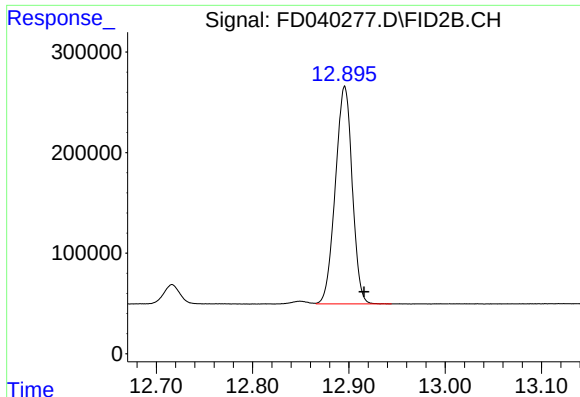
#11 n-Heneicosane (C21)

R.T.: 12.312 min
Delta R.T.: -0.021 min
Response: 2644792
Conc: 18.69 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.144 min
Delta R.T.: -0.019 min
Response: 2241888
Conc: 18.59 ug/ml



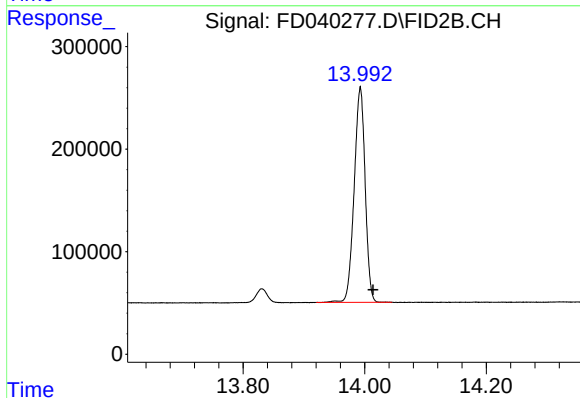
#13 n-Docosane (C22)

R.T.: 12.896 min
Delta R.T.: -0.020 min
Response: 2634454
Conc: 18.77 ug/ml

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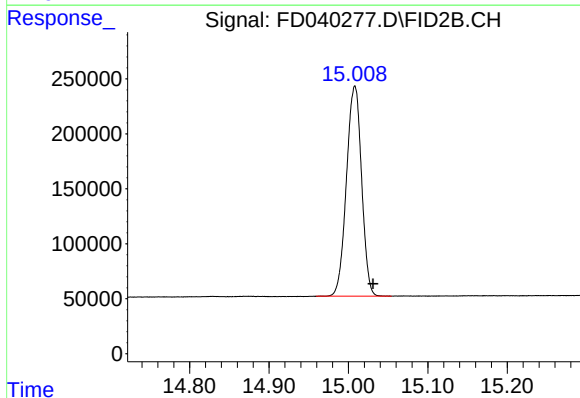
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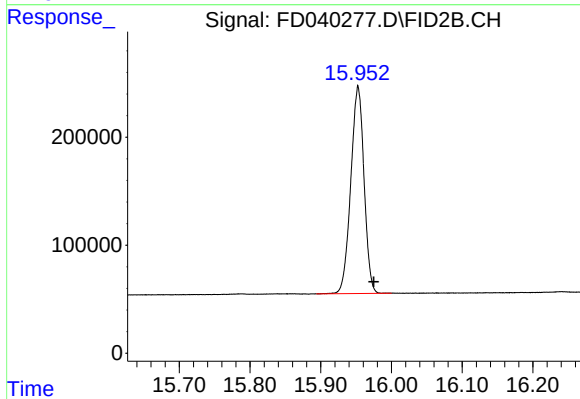
#14 n-Tetracosane (C24)

R.T.: 13.993 min
Delta R.T.: -0.021 min
Response: 2633539
Conc: 18.76 ug/ml



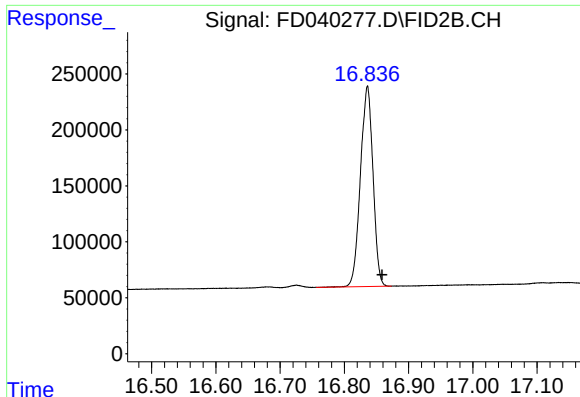
#15 n-Hexacosane (C26)

R.T.: 15.008 min
Delta R.T.: -0.023 min
Response: 2532636
Conc: 18.42 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.953 min
Delta R.T.: -0.022 min
Response: 2496049
Conc: 18.35 ug/ml



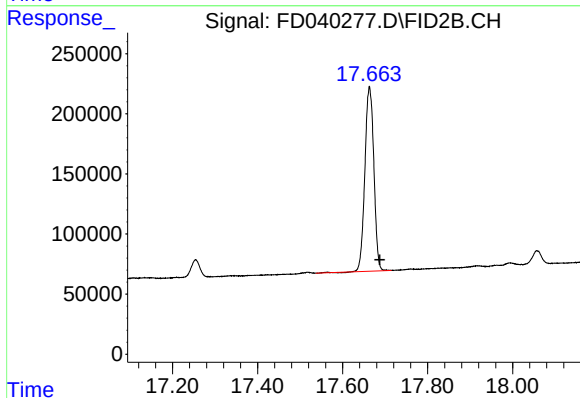
#17 n-Tricontane (C30)

R.T.: 16.836 min
Delta R.T.: -0.023 min
Response: 2433811
Conc: 18.19 ug/ml

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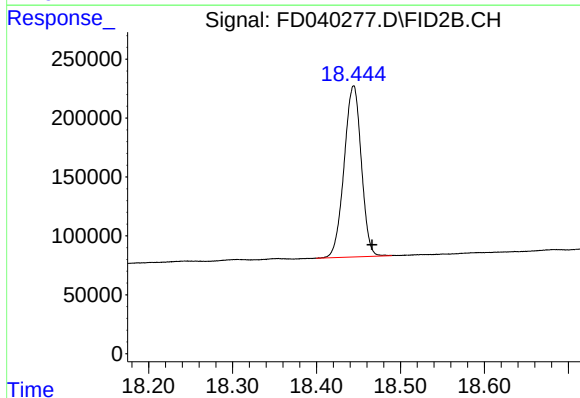
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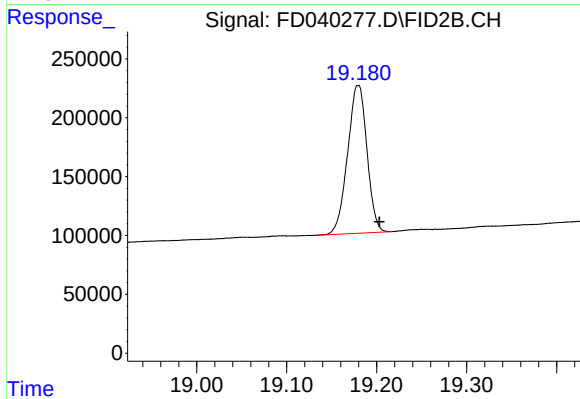
#18 n-Dotriacontane (C32)

R.T.: 17.663 min
Delta R.T.: -0.024 min
Response: 2247733
Conc: 17.36 ug/ml



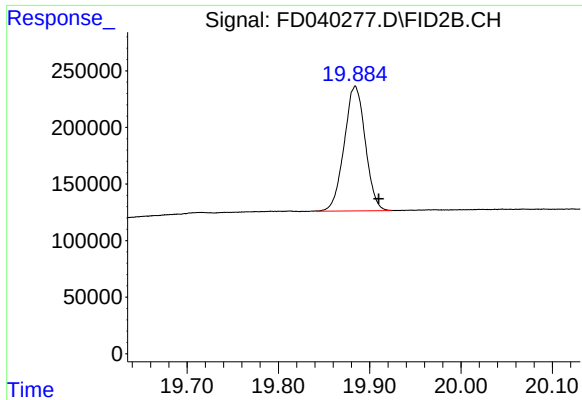
#19 n-Tetratriacontane (C34)

R.T.: 18.444 min
Delta R.T.: -0.022 min
Response: 2065908
Conc: 17.04 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.180 min
Delta R.T.: -0.023 min
Response: 1881833
Conc: 17.66 ug/ml m



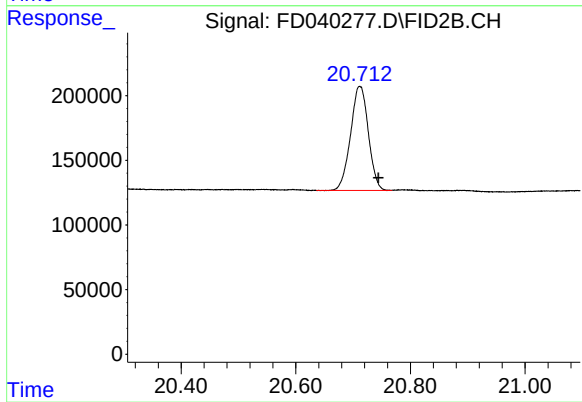
#21 n-Octatriacontane (C38)

R.T.: 19.884 min
Delta R.T.: -0.026 min
Response: 1765321
Conc: 19.12 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.712 min
Delta R.T.: -0.032 min
Response: 1732296
Conc: 22.25 ug/ml