

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100821AL\
 Data File : FD039062.D
 Signal(s) : FID2B.CH
 Acq On : 09 Oct 2021 00:27
 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

mohammad
 10/12/2021 9:42:30 AM

Integration File: sample.E
 Quant Time: Oct 09 02:24:28 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 092921.M
 Quant Title : GC Extractables
 QLast Update : Thu Sep 30 02:13:43 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)	11.678	2699192	19.018 ug/ml
Spiked Amount 50.000		Recovery =	38.04%
12) S 1-chlorooctadecane (S...	13.103	2101268	18.687 ug/ml
Spiked Amount 50.000		Recovery =	37.37%
Target Compounds			
1) T n-Nonane (C9)	3.440	2535603	20.102 ug/ml
2) T n-Decane (C10)	4.509	2585649	20.259 ug/ml
3) T A~Naphthalene (C11.7)	6.101	2874577	20.187 ug/ml
4) T n-Dodecane (C12)	6.524	2590313	20.226 ug/ml
5) T A~2-methylnaphthalene...	7.156	2882662	20.136 ug/ml
6) T n-Tetradecane (C14)	8.316	2598244	20.023 ug/ml
7) T n-Hexadecane (C16)	9.914	2580612	19.786 ug/ml
8) T n-Octadecane (C18)	11.352	2595407	19.406 ug/ml
10) T n-Eicosane (C20)	12.659	2518219	18.988 ug/ml
11) T n-Heneicosane (C21)	13.269	2508366	18.732 ug/ml
13) T n-Docosane (C22)	13.853	2467563	18.602 ug/ml
14) T n-Tetracosane (C24)	14.952	2436483	18.388 ug/ml
15) T n-Hexacosane (C26)	15.970	2378529	18.479 ug/ml
16) T n-Octacosane (C28)	16.916	2344501	18.593 ug/ml
17) T n-Tricontane (C30)	17.798	2336103	19.153 ug/ml
18) T n-Dotriacontane (C32)	18.628	2285610	19.714 ug/ml
19) T n-Tetratriacontane (C34)	19.406	2206705	20.443 ug/ml
20) T n-Hexatriacontane (C36)	20.142	2143221	21.903 ug/ml
21) T n-Octatriacontane (C38)	20.883	2140624	23.845 ug/ml
22) T n-Tetracontane (C40)	21.805	2226167	25.271 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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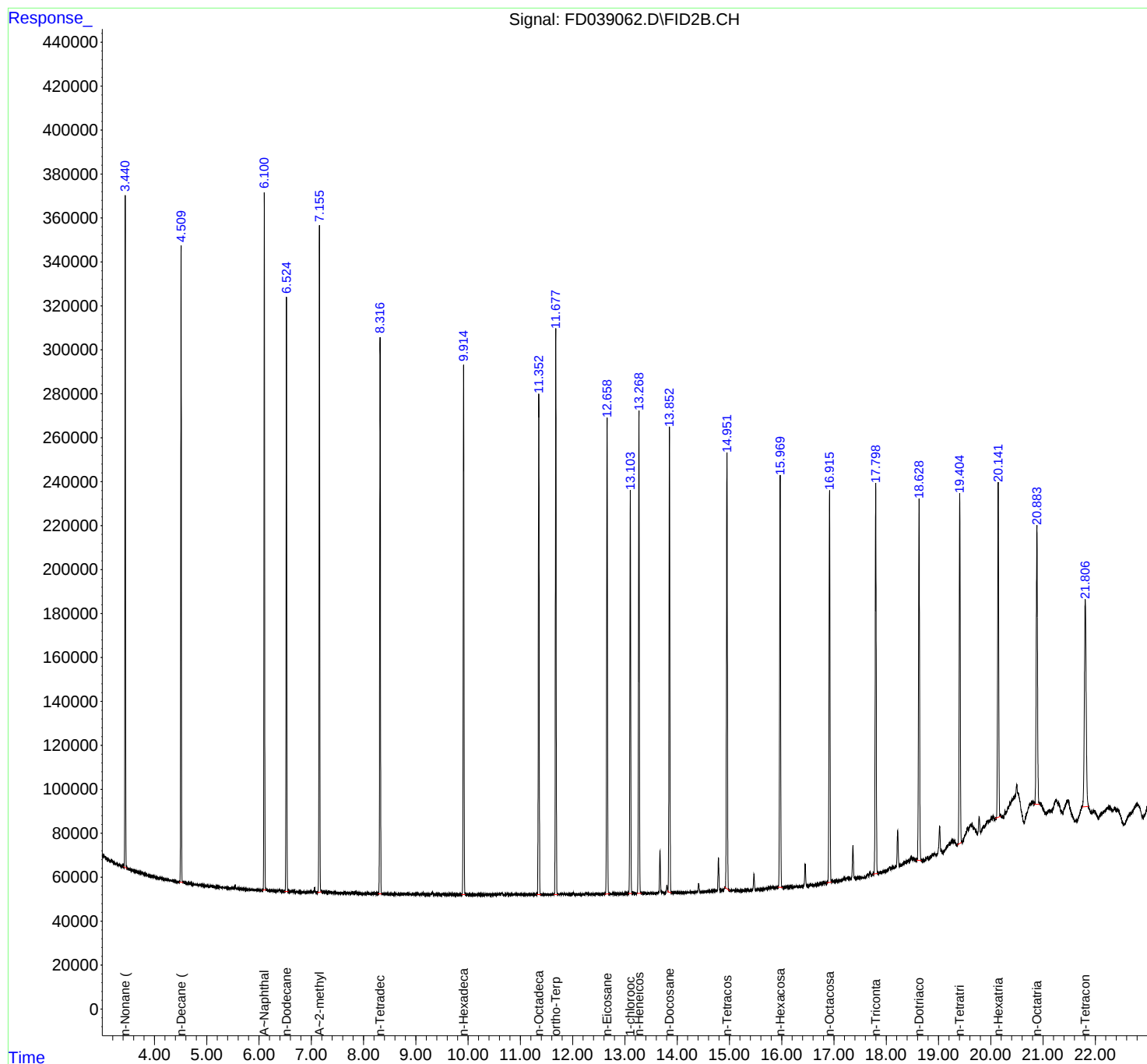
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20 PPM ALIPHATIC HC STD

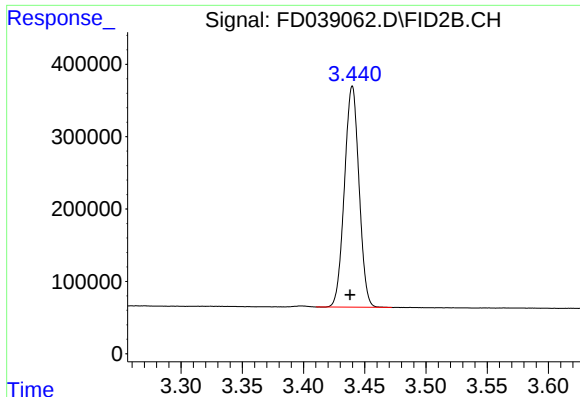
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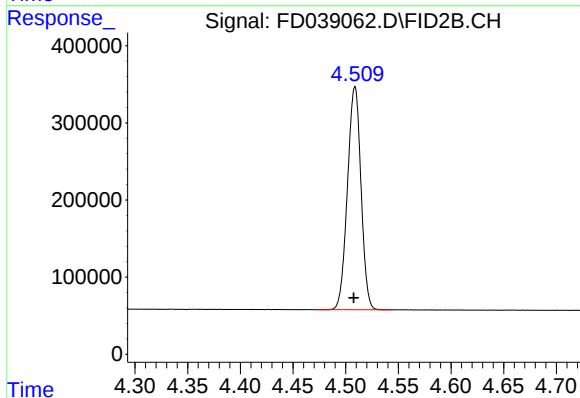
#1 n-Nonane (C9)

R.T.: 3.440 min
Delta R.T.: 0.002 min
Response: 2535603
Conc: 20.10 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

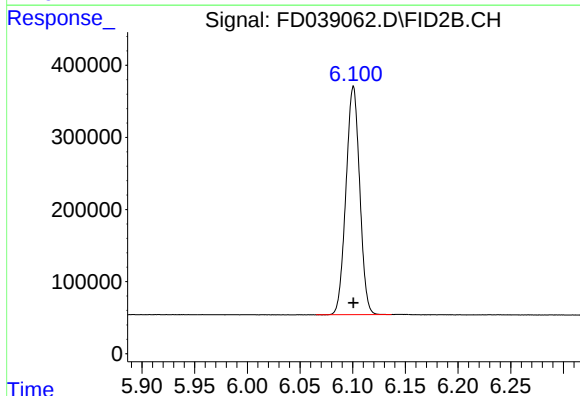
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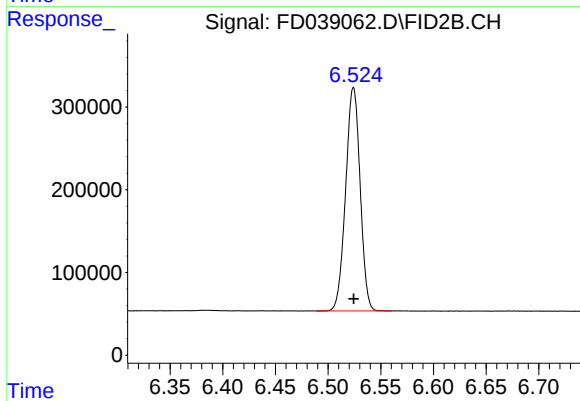
#2 n-Decane (C10)

R.T.: 4.509 min
Delta R.T.: 0.001 min
Response: 2585649
Conc: 20.26 ug/ml



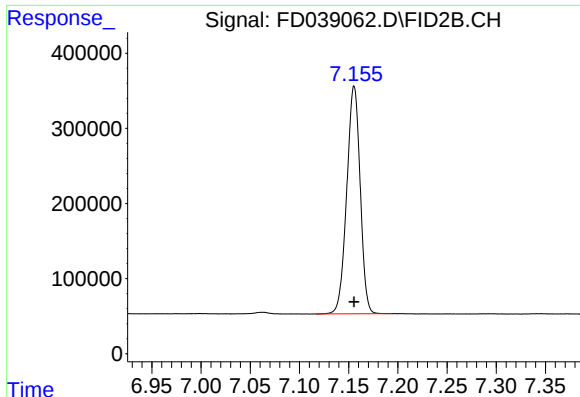
#3 A~Naphthalene (C11.7)

R.T.: 6.101 min
Delta R.T.: 0.000 min
Response: 2874577
Conc: 20.19 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.524 min
Delta R.T.: 0.000 min
Response: 2590313
Conc: 20.23 ug/ml



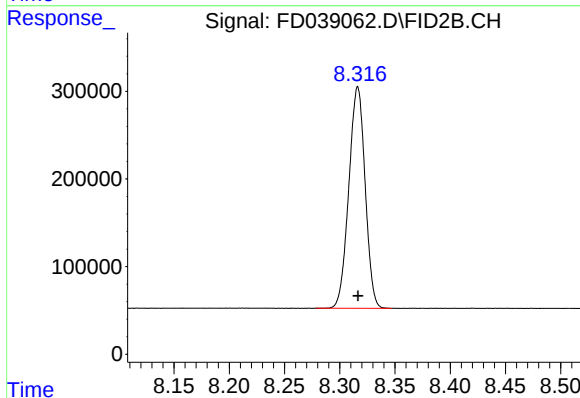
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.156 min
Delta R.T.: 0.000 min
Response: 2882662
Conc: 20.14 ug/ml

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20 PPM ALIPHATIC HC STD

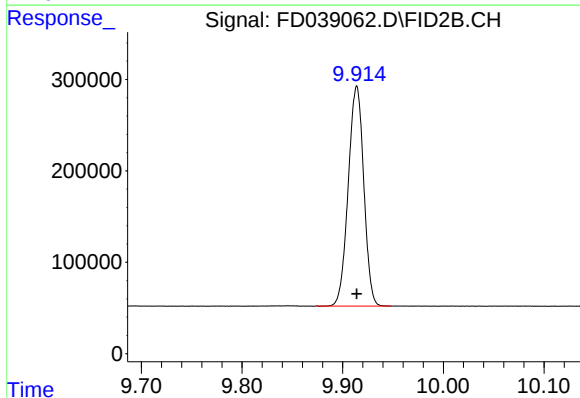
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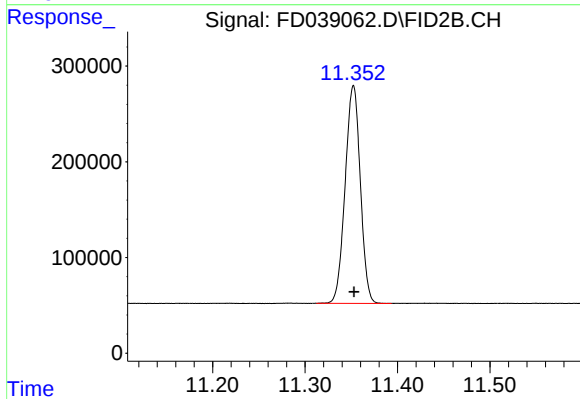
#6 n-Tetradecane (C14)

R.T.: 8.316 min
Delta R.T.: 0.000 min
Response: 2598244
Conc: 20.02 ug/ml



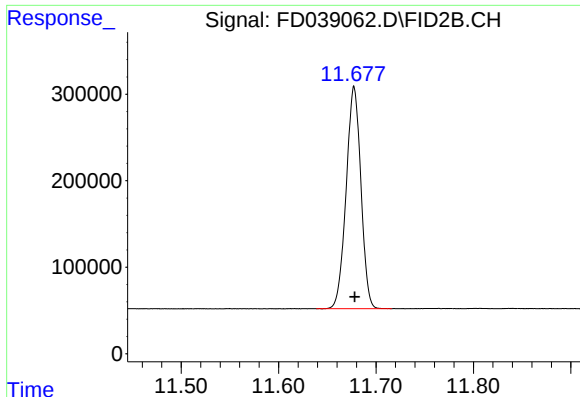
#7 n-Hexadecane (C16)

R.T.: 9.914 min
Delta R.T.: 0.000 min
Response: 2580612
Conc: 19.79 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.352 min
Delta R.T.: 0.000 min
Response: 2595407
Conc: 19.41 ug/ml



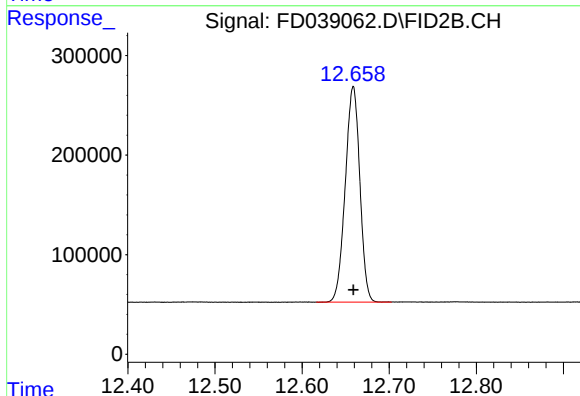
#9 ortho-Terphenyl (SURR)

R.T.: 11.678 min
Delta R.T.: 0.000 min
Response: 2699192
Conc: 19.02 ug/ml

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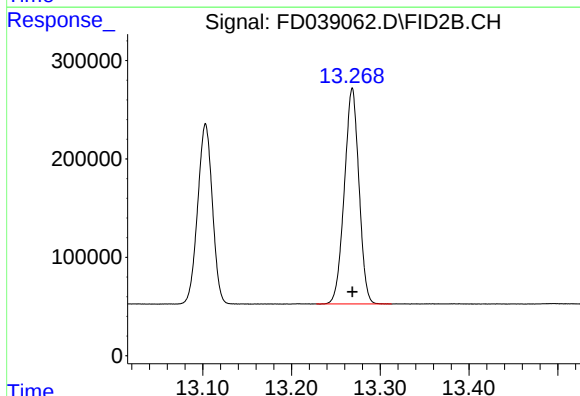
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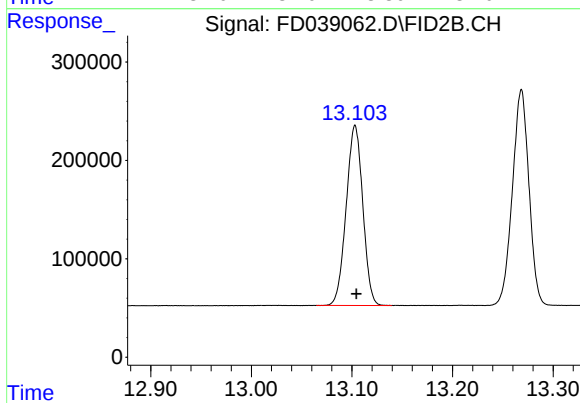
#10 n-Eicosane (C20)

R.T.: 12.659 min
Delta R.T.: 0.000 min
Response: 2518219
Conc: 18.99 ug/ml



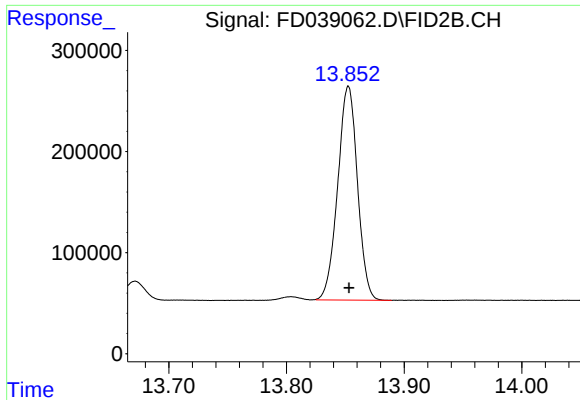
#11 n-Heneicosane (C21)

R.T.: 13.269 min
Delta R.T.: 0.000 min
Response: 2508366
Conc: 18.73 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.103 min
Delta R.T.: -0.001 min
Response: 2101268
Conc: 18.69 ug/ml



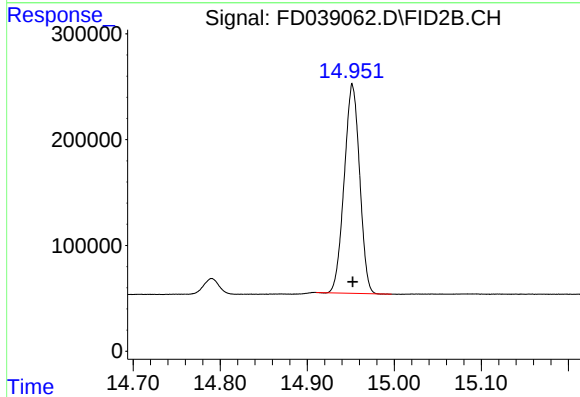
#13 n-Docosane (C22)

R.T.: 13.853 min
Delta R.T.: 0.000 min
Response: 2467563
Conc: 18.60 ug/ml

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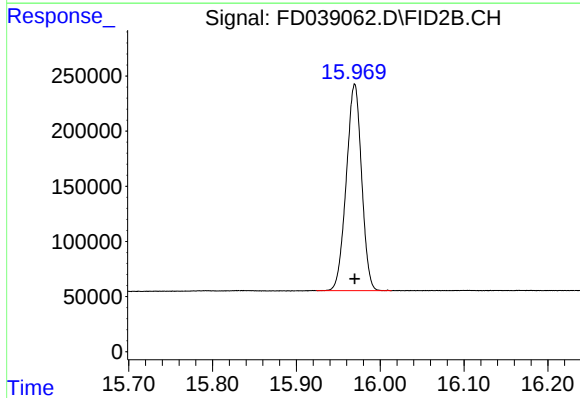
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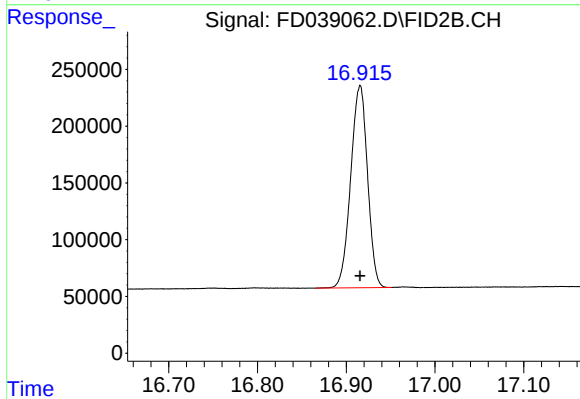
#14 n-Tetracosane (C24)

R.T.: 14.952 min
Delta R.T.: 0.000 min
Response: 2436483
Conc: 18.39 ug/ml



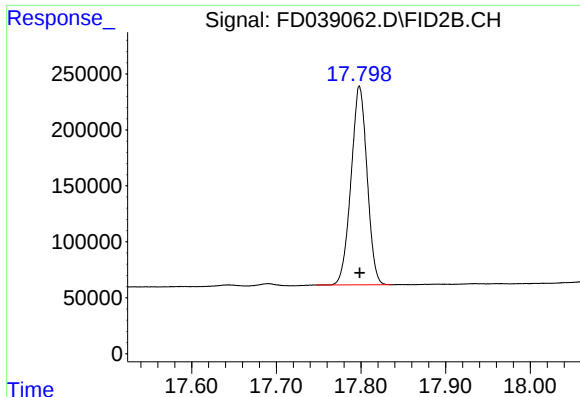
#15 n-Hexacosane (C26)

R.T.: 15.970 min
Delta R.T.: 0.000 min
Response: 2378529
Conc: 18.48 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.916 min
Delta R.T.: 0.000 min
Response: 2344501
Conc: 18.59 ug/ml



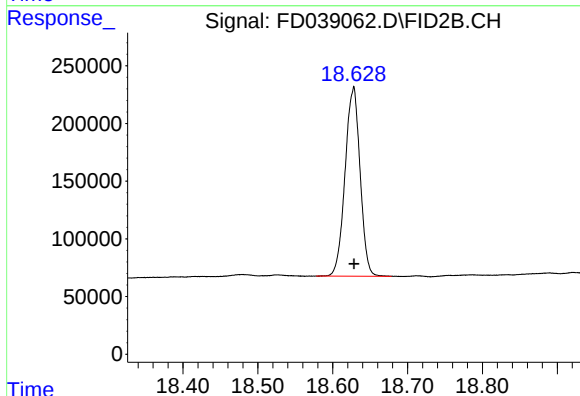
#17 n-Tricontane (C30)

R.T.: 17.798 min
Delta R.T.: 0.000 min
Response: 2336103
Conc: 19.15 ug/ml

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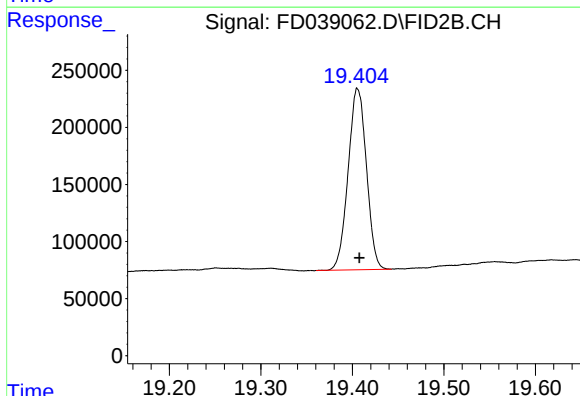
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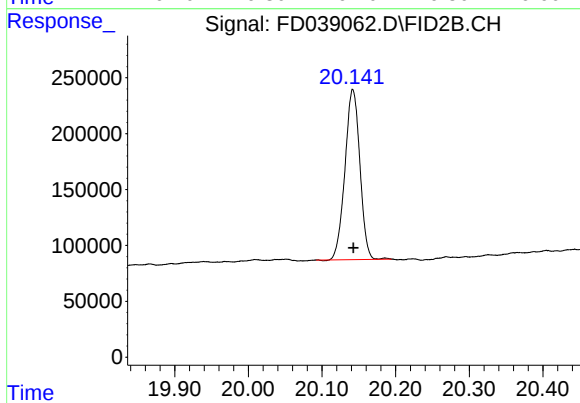
#18 n-Dotriacontane (C32)

R.T.: 18.628 min
Delta R.T.: 0.000 min
Response: 2285610
Conc: 19.71 ug/ml



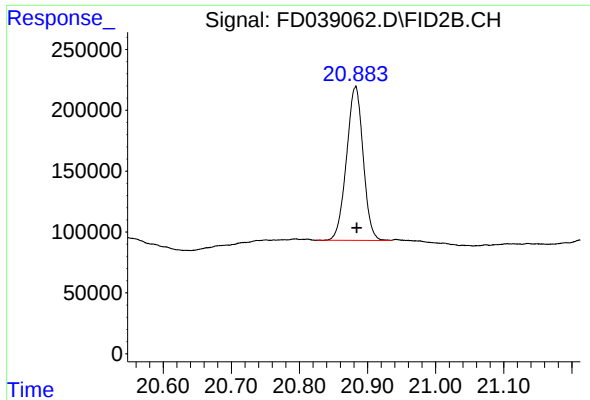
#19 n-Tetratriacontane (C34)

R.T.: 19.406 min
Delta R.T.: -0.002 min
Response: 2206705
Conc: 20.44 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.142 min
Delta R.T.: -0.001 min
Response: 2143221
Conc: 21.90 ug/ml



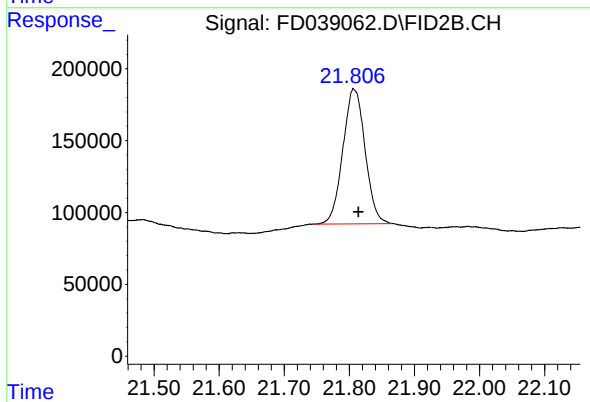
#21 n-Octatriacontane (C38)

R.T.: 20.883 min
Delta R.T.: -0.002 min
Response: 2140624
Conc: 23.84 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.805 min
Delta R.T.: -0.008 min
Response: 2226167
Conc: 25.27 ug/ml m