

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD020222AL\
 Data File : FD040868.D
 Signal(s) : FID2B.CH
 Acq On : 02 Feb 2022 23:14
 Operator : AJ\MA
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/03/2022
 Supervised By :Ankita Jodhani 02/03/2022

Integration File: autoint1.e
 Quant Time: Feb 02 23:34:43 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 020222.M
 Quant Title : GC Extractables
 QLast Update : Wed Feb 02 23:16:25 2022
 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)	10.595	708135	4.827 ug/ml
Spiked Amount 50.000		Recovery =	9.65%
12) S 1-chlorooctadecane (S...	12.034	524594	4.731 ug/ml
Spiked Amount 50.000		Recovery =	9.46%
Target Compounds			
1) T n-Nonane (C9)	2.561	597923	4.753 ug/ml
2) T n-Decane (C10)	3.543	599767	4.723 ug/ml
3) T A~Naphthalene (C11.7)	5.072	607798	4.385 ug/ml
4) T n-Dodecane (C12)	5.507	595935	4.672 ug/ml
5) T A~2-methylnaphthalene...	6.110	605470	4.347 ug/ml
6) T n-Tetradecane (C14)	7.281	608312	4.701 ug/ml
7) T n-Hexadecane (C16)	8.867	614698	4.759 ug/ml
8) T n-Octadecane (C18)	10.297	628650	4.795 ug/ml
10) T n-Eicosane (C20)	11.597	619825	4.827 ug/ml
11) T n-Heneicosane (C21)	12.205	622330	4.828 ug/ml
13) T n-Docosane (C22)	12.787	614530	4.835 ug/ml
14) T n-Tetracosane (C24)	13.882	608935	4.830 ug/ml
15) T n-Hexacosane (C26)	14.896	588878	4.805 ug/ml
16) T n-Octacosane (C28)	15.840	584724	4.843 ug/ml
17) T n-Tricontane (C30)	16.722	567626	4.854 ug/ml
18) T n-Dotriacontane (C32)	17.549	526497	4.879 ug/ml
19) T n-Tetratriacontane (C34)	18.329	479632	4.798 ug/ml
20) T n-Hexatriacontane (C36)	19.065	416287	4.587 ug/ml
21) T n-Octatriacontane (C38)	19.762	388378	4.566 ug/ml
22) T n-Tetracontane (C40)	20.553	378305	4.473 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 6 Sample Multiplier: 1

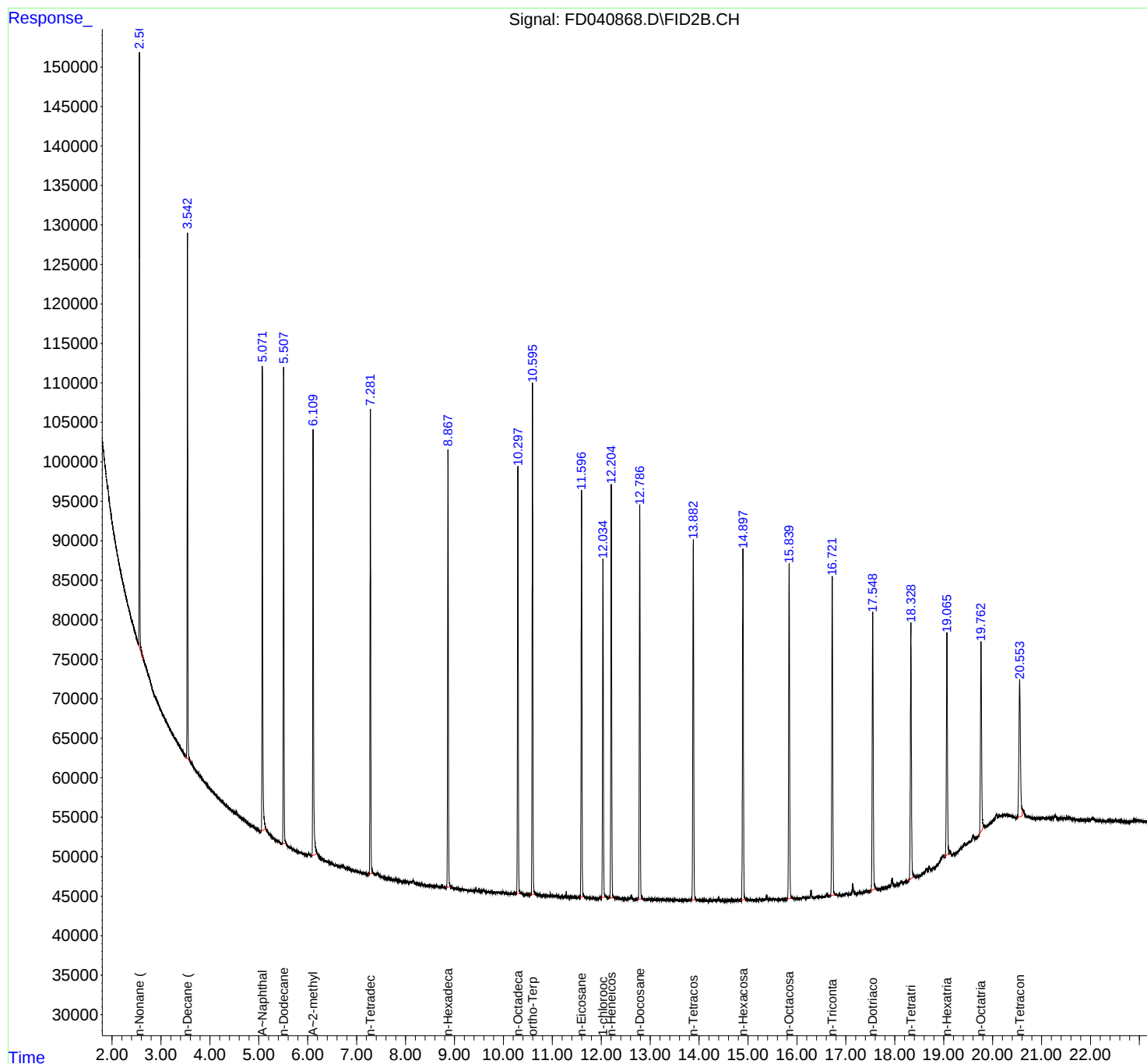
Instrument :
FID_D
ClientSampleId :
5 PPM ALIPHATIC HC STD5

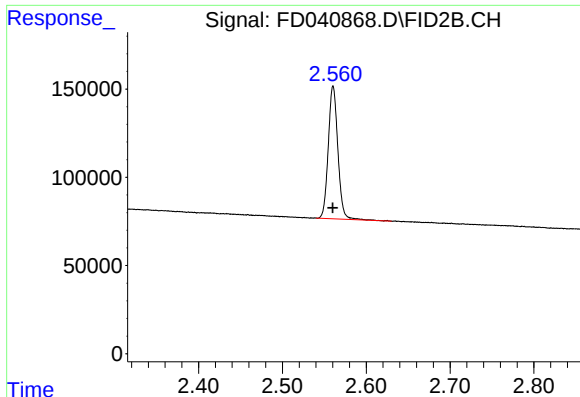
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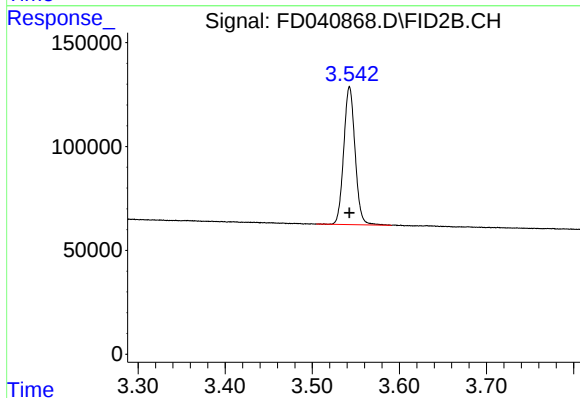
#1 n-Nonane (C9)

R.T.: 2.561 min
Delta R.T.: 0.000 min
Response: 597923
Conc: 4.75 ug/ml

Instrument :
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5 PPM ALIPHATIC HC STD5

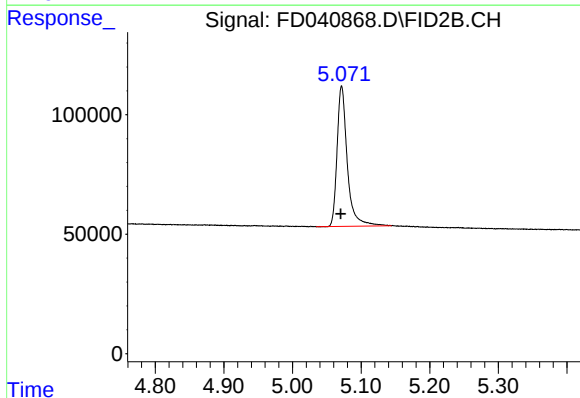
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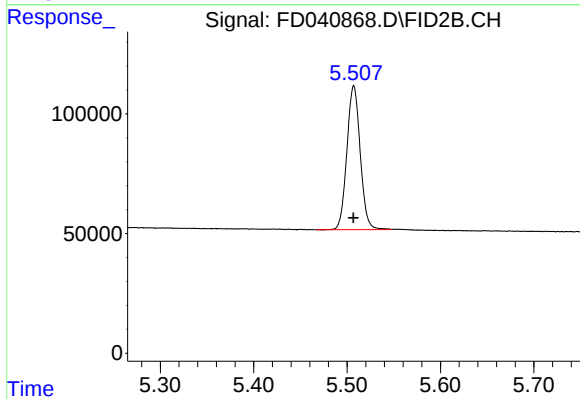
#2 n-Decane (C10)

R.T.: 3.543 min
Delta R.T.: 0.000 min
Response: 599767
Conc: 4.72 ug/ml



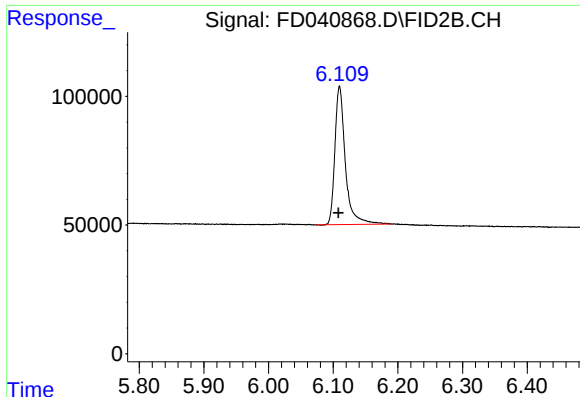
#3 A~Naphthalene (C11.7)

R.T.: 5.072 min
Delta R.T.: 0.001 min
Response: 607798
Conc: 4.39 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.507 min
Delta R.T.: 0.000 min
Response: 595935
Conc: 4.67 ug/ml



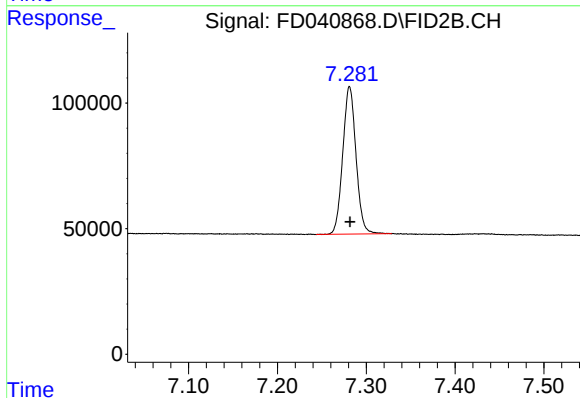
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.110 min
Delta R.T.: 0.002 min
Response: 605470
Conc: 4.35 ug/ml

Instrument :
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5 PPM ALIPHATIC HC STD5

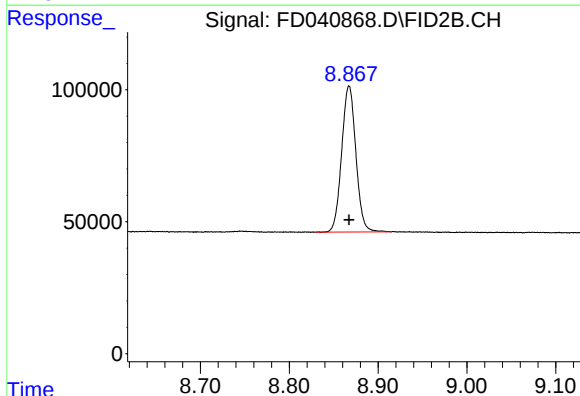
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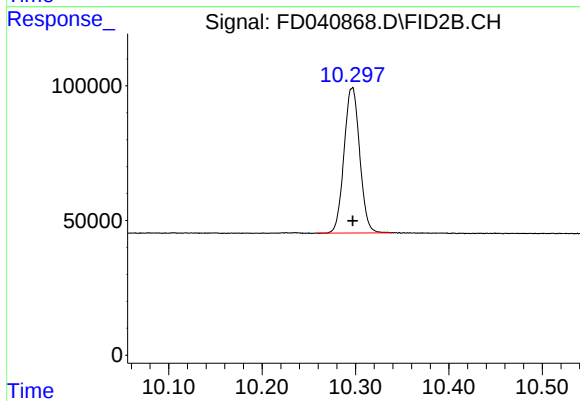
#6 n-Tetradecane (C14)

R.T.: 7.281 min
Delta R.T.: 0.000 min
Response: 608312
Conc: 4.70 ug/ml



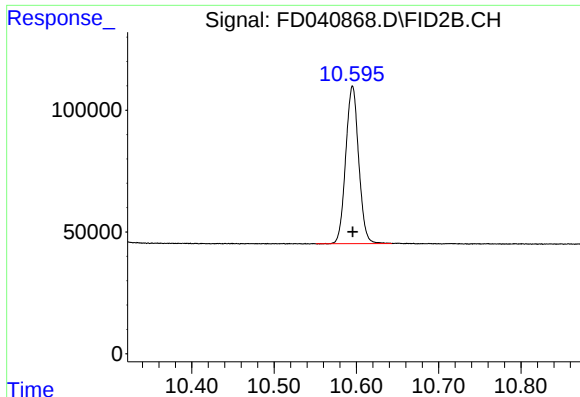
#7 n-Hexadecane (C16)

R.T.: 8.867 min
Delta R.T.: 0.000 min
Response: 614698
Conc: 4.76 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.297 min
Delta R.T.: 0.000 min
Response: 628650
Conc: 4.80 ug/ml



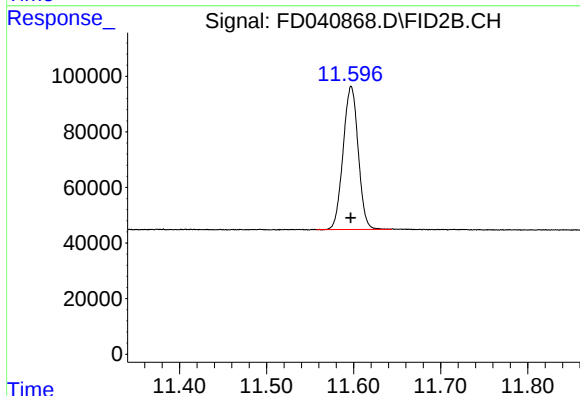
#9 ortho-Terphenyl (SURR)

R.T.: 10.595 min
Delta R.T.: 0.000 min
Response: 708135
Conc: 4.83 ug/ml

Instrument :
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5 PPM ALIPHATIC HC STD5

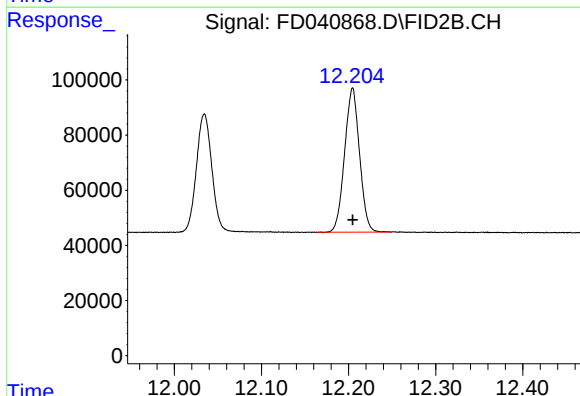
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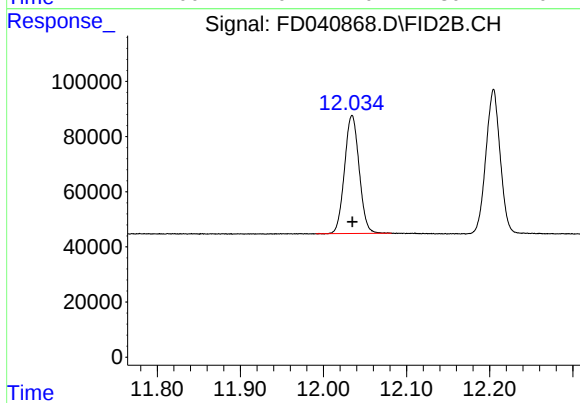
#10 n-Eicosane (C20)

R.T.: 11.597 min
Delta R.T.: 0.000 min
Response: 619825
Conc: 4.83 ug/ml



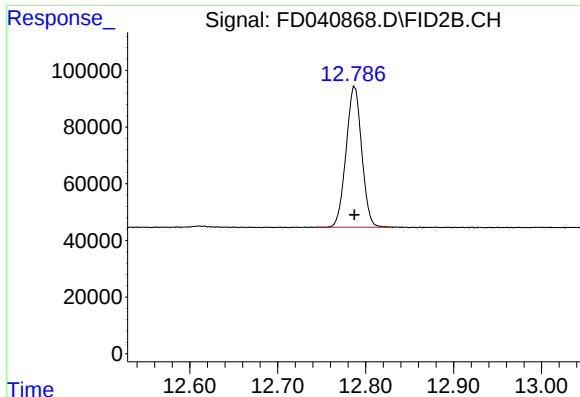
#11 n-Heneicosane (C21)

R.T.: 12.205 min
Delta R.T.: 0.000 min
Response: 622330
Conc: 4.83 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.034 min
Delta R.T.: 0.000 min
Response: 524594
Conc: 4.73 ug/ml



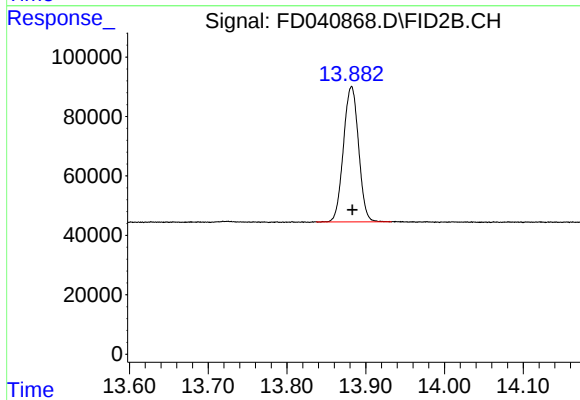
#13 n-Docosane (C22)

R.T.: 12.787 min
Delta R.T.: 0.000 min
Response: 614530
Conc: 4.84 ug/ml

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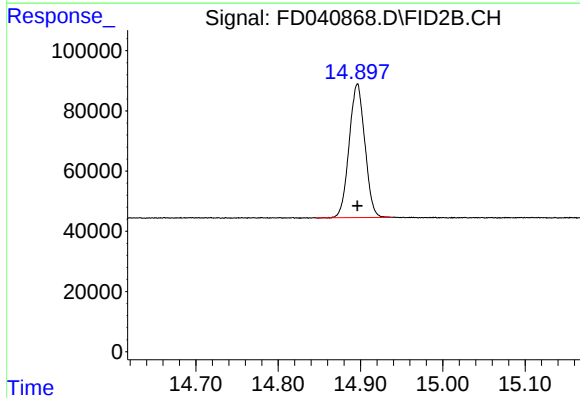
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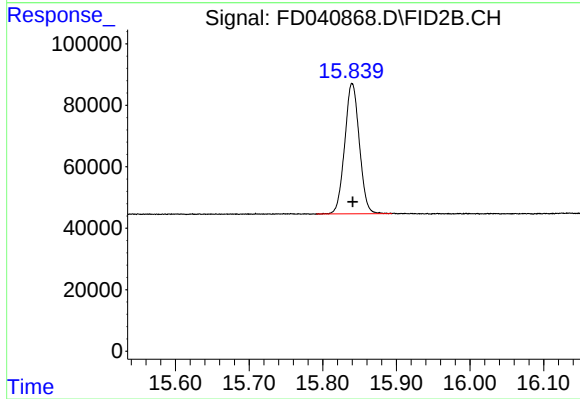
#14 n-Tetracosane (C24)

R.T.: 13.882 min
Delta R.T.: -0.001 min
Response: 608935
Conc: 4.83 ug/ml



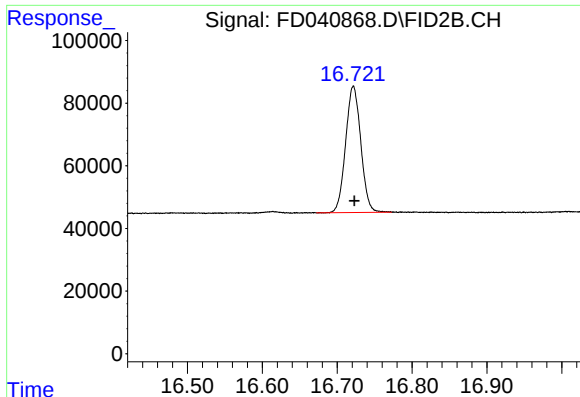
#15 n-Hexacosane (C26)

R.T.: 14.896 min
Delta R.T.: 0.000 min
Response: 588878
Conc: 4.81 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.840 min
Delta R.T.: 0.000 min
Response: 584724
Conc: 4.84 ug/ml



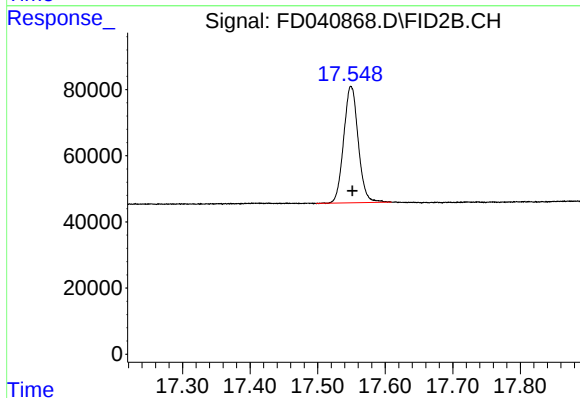
#17 n-Tricontane (C30)

R.T.: 16.722 min
Delta R.T.: -0.001 min
Response: 567626
Conc: 4.85 ug/ml

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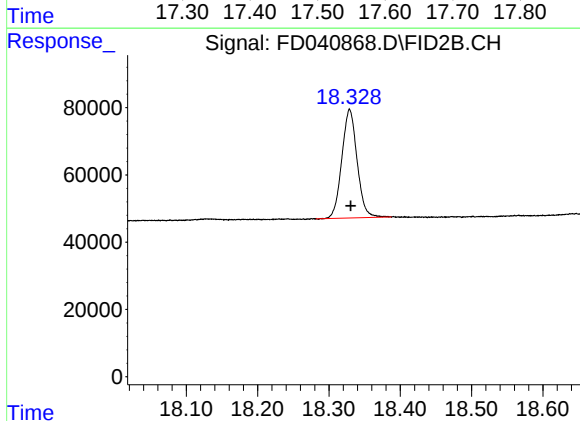
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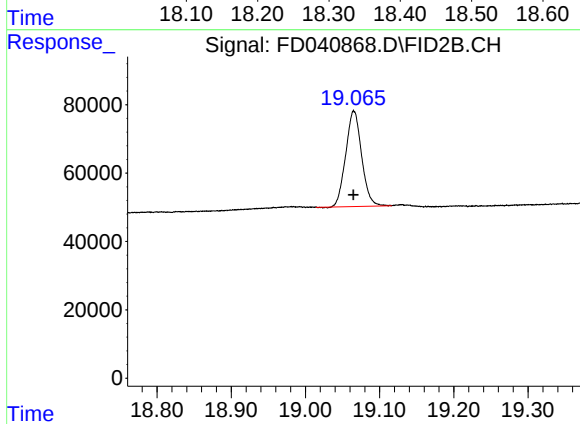
#18 n-Dotriacontane (C32)

R.T.: 17.549 min
Delta R.T.: -0.002 min
Response: 526497
Conc: 4.88 ug/ml



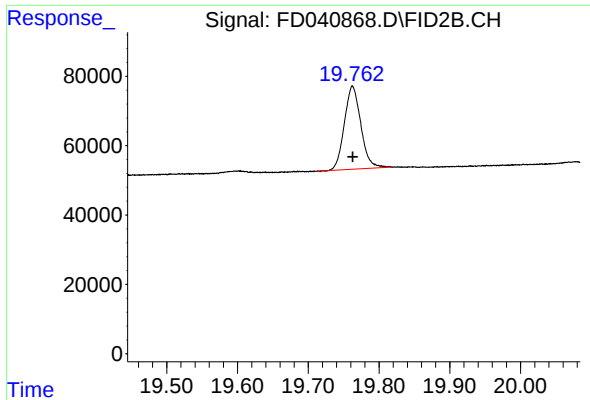
#19 n-Tetratriacontane (C34)

R.T.: 18.329 min
Delta R.T.: -0.001 min
Response: 479632
Conc: 4.80 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.065 min
Delta R.T.: 0.000 min
Response: 416287
Conc: 4.59 ug/ml



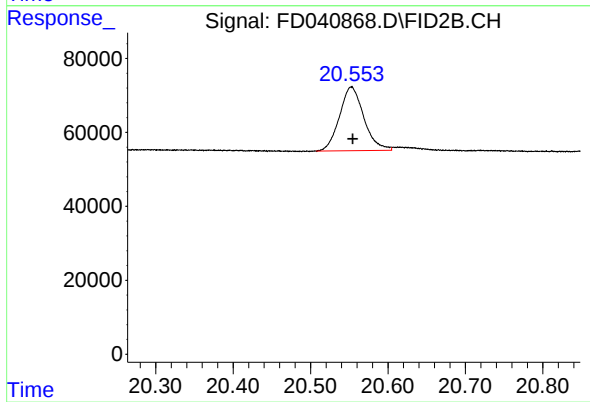
#21 n-Octatriacontane (C38)

R.T.: 19.762 min
Delta R.T.: 0.000 min
Response: 388378
Conc: 4.57 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.553 min
Delta R.T.: -0.001 min
Response: 378305
Conc: 4.47 ug/ml m