

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081222AL\
 Data File : FD043562.D
 Signal(s) : FID2B.ch
 Acq On : 12 Aug 2022 10:04
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/15/2022
 Supervised By :Ankita Jodhani 08/15/2022

Integration File: sample.E
 Quant Time: Aug 14 23:29:08 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 072522.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 26 05:37:25 2022
 Response via : Initial Calibration
 Integrator: ChemStation

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)	11.529	2962535	18.715 ug/ml
Spiked Amount 50.000		Recovery =	37.43%
12) S 1-chlorooctadecane (S...	12.964	2290124	18.686 ug/ml
Spiked Amount 50.000		Recovery =	37.37%
Target Compounds			
1) T n-Nonane (C9)	3.309	2790426	19.908 ug/ml
2) T n-Decane (C10)	4.372	2831969	20.141 ug/ml
3) T A~Naphthalene (C11.7)	5.951	3022354	19.891 ug/ml
4) T n-Dodecane (C12)	6.386	2847444	20.006 ug/ml
5) T A~2-methylnaphthalene...	7.005	2980167	19.918 ug/ml
6) T n-Tetradecane (C14)	8.177	2832587	19.969 ug/ml
7) T n-Hexadecane (C16)	9.775	2850566	20.098 ug/ml
8) T n-Octadecane (C18)	11.215	2838460	19.851 ug/ml
10) T n-Eicosane (C20)	12.522	2804923	19.372 ug/ml
11) T n-Heneicosane (C21)	13.133	2752539	18.951 ug/ml
13) T n-Docosane (C22)	13.717	2798714	19.291 ug/ml
14) T n-Tetracosane (C24)	14.818	2852759	19.692 ug/ml
15) T n-Hexacosane (C26)	15.836	2847197	19.794 ug/ml
16) T n-Octacosane (C28)	16.783	2836036	20.048 ug/ml
17) T n-Tricontane (C30)	17.668	2947650	20.884 ug/ml
18) T n-Dotriacontane (C32)	18.499	2891974	20.913 ug/ml
19) T n-Tetratriacontane (C34)	19.279	2686025	20.873 ug/mlm
20) T n-Hexatriacontane (C36)	20.016	2509408	20.344 ug/ml
21) T n-Octatriacontane (C38)	20.737	2698572	22.821 ug/mlm
22) T n-Tetracontane (C40)	21.617	2625672	23.221 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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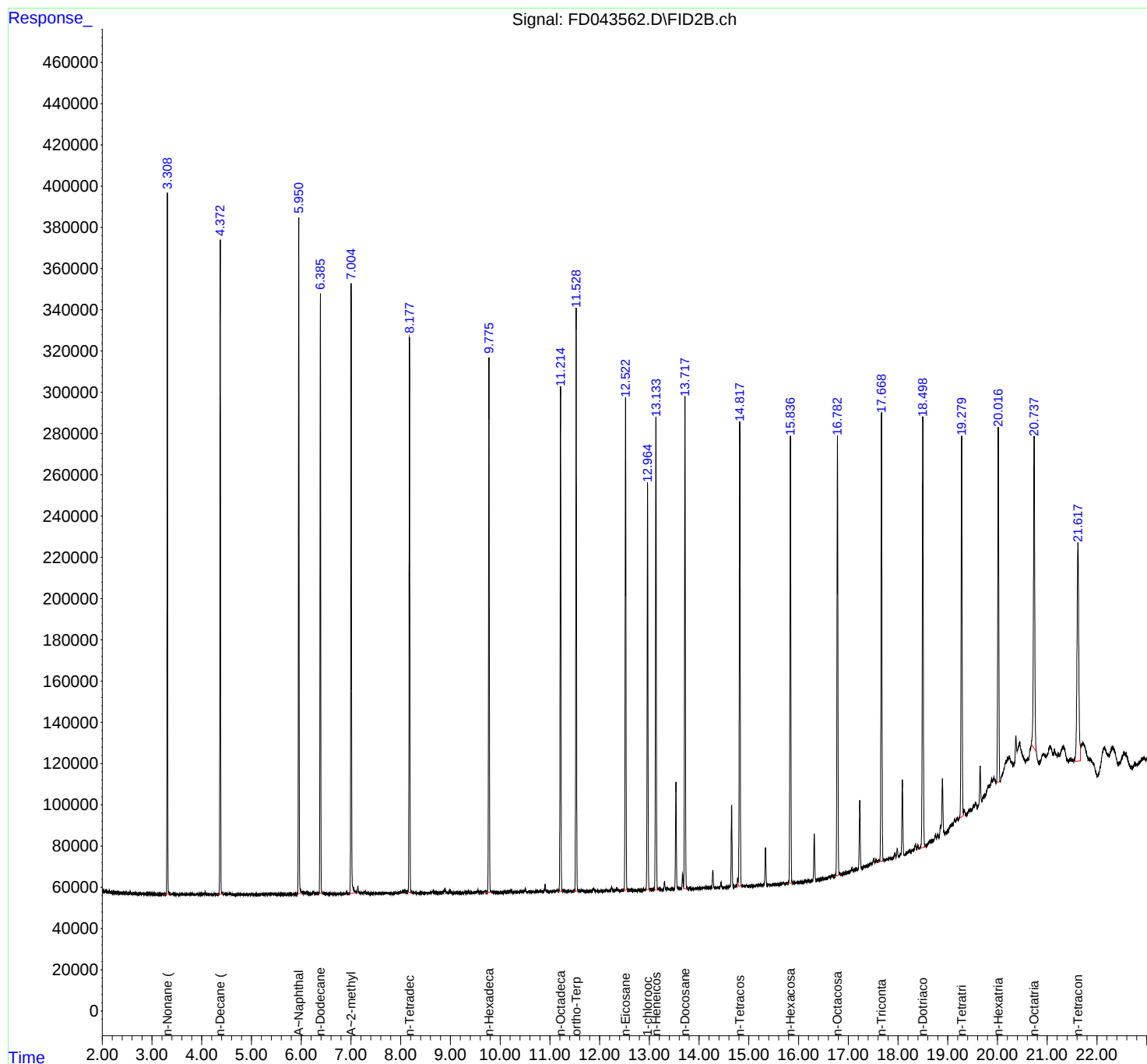
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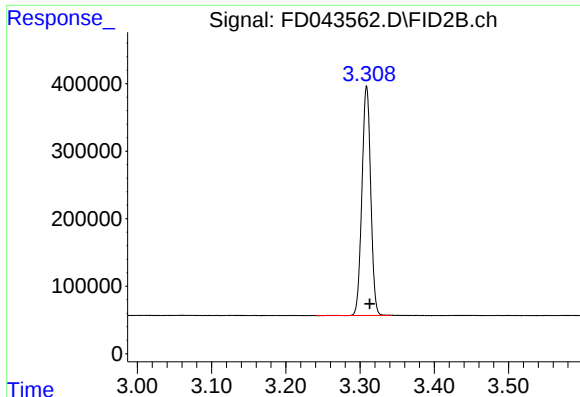
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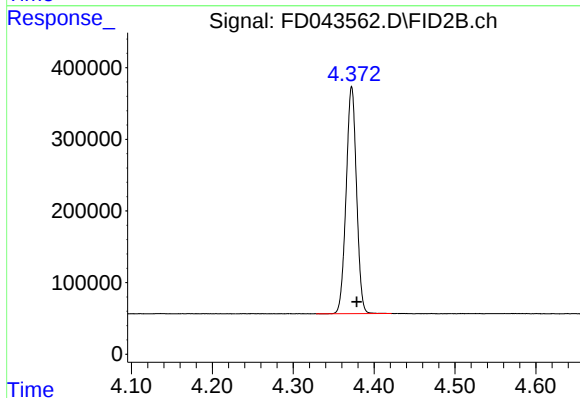
#1 n-Nonane (C9)

R.T.: 3.309 min
Delta R.T.: -0.004 min
Response: 2790426
Conc: 19.91 ug/ml

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20 PPM ALIPHATIC HC STD

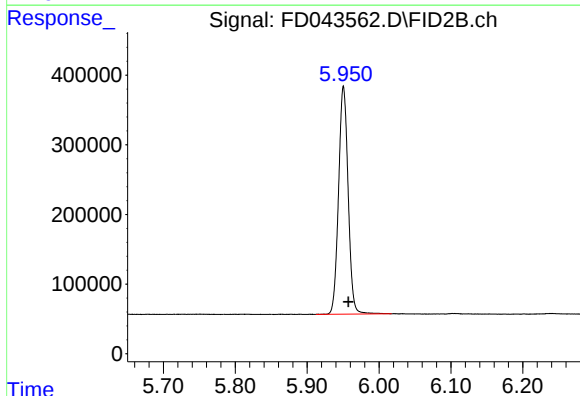
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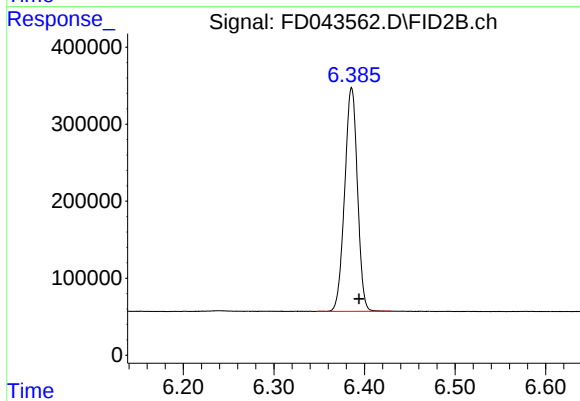
#2 n-Decane (C10)

R.T.: 4.372 min
Delta R.T.: -0.006 min
Response: 2831969
Conc: 20.14 ug/ml



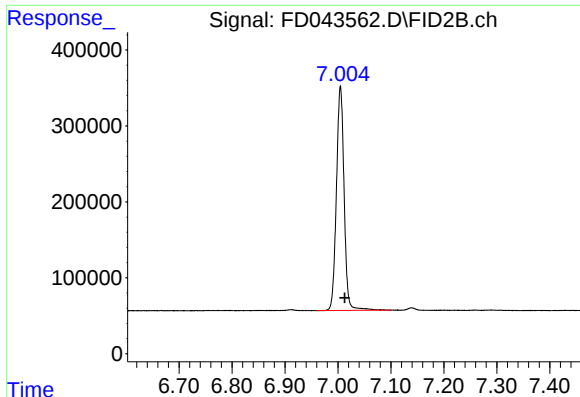
#3 A~Naphthalene (C11.7)

R.T.: 5.951 min
Delta R.T.: -0.007 min
Response: 3022354
Conc: 19.89 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.386 min
Delta R.T.: -0.008 min
Response: 2847444
Conc: 20.01 ug/ml



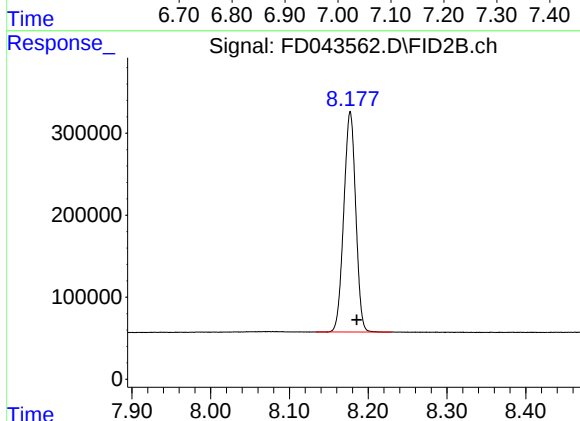
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.005 min
Delta R.T.: -0.008 min
Response: 2980167
Conc: 19.92 ug/ml

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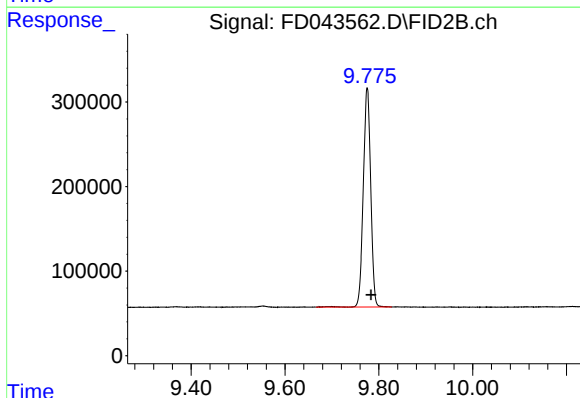
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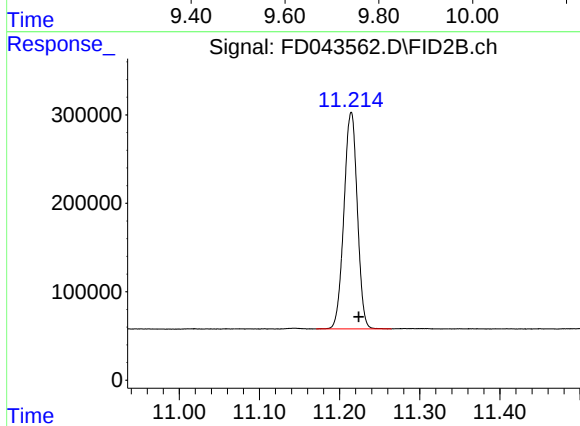
#6 n-Tetradecane (C14)

R.T.: 8.177 min
Delta R.T.: -0.008 min
Response: 2832587
Conc: 19.97 ug/ml



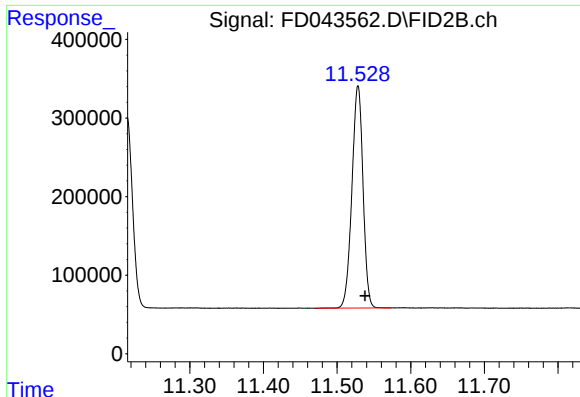
#7 n-Hexadecane (C16)

R.T.: 9.775 min
Delta R.T.: -0.008 min
Response: 2850566
Conc: 20.10 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.215 min
Delta R.T.: -0.009 min
Response: 2838460
Conc: 19.85 ug/ml



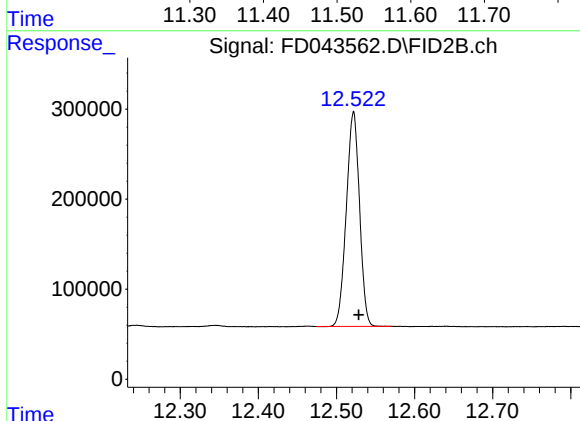
#9 ortho-Terphenyl (SURR)

R.T.: 11.529 min
Delta R.T.: -0.009 min
Response: 2962535
Conc: 18.72 ug/ml

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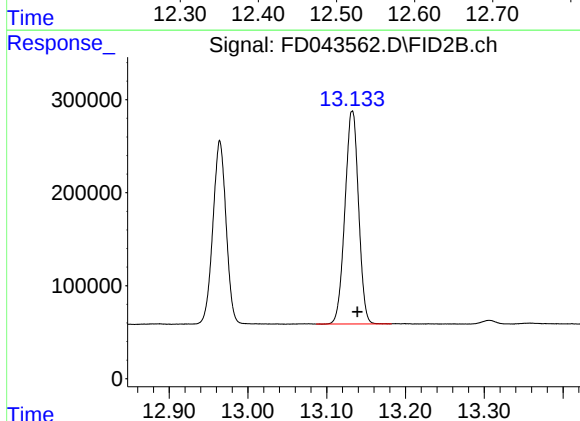
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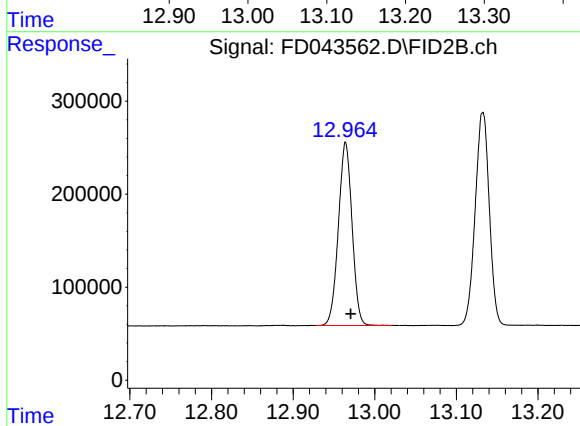
#10 n-Eicosane (C20)

R.T.: 12.522 min
Delta R.T.: -0.007 min
Response: 2804923
Conc: 19.37 ug/ml



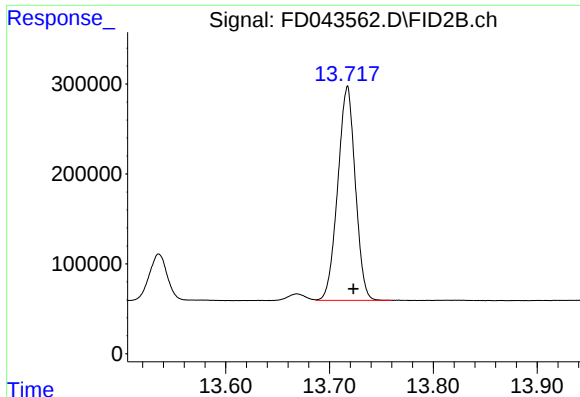
#11 n-Heneicosane (C21)

R.T.: 13.133 min
Delta R.T.: -0.007 min
Response: 2752539
Conc: 18.95 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.964 min
Delta R.T.: -0.006 min
Response: 2290124
Conc: 18.69 ug/ml



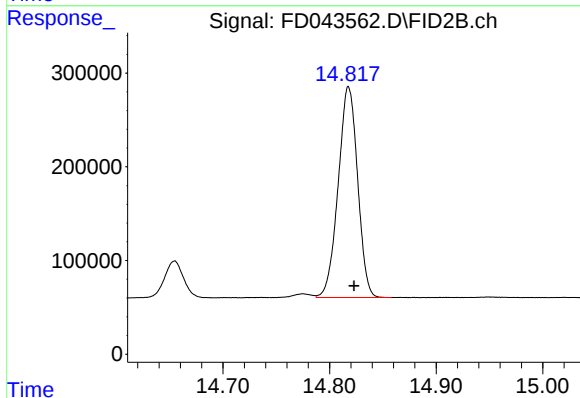
#13 n-Docosane (C22)

R.T.: 13.717 min
Delta R.T.: -0.006 min
Response: 2798714
Conc: 19.29 ug/ml

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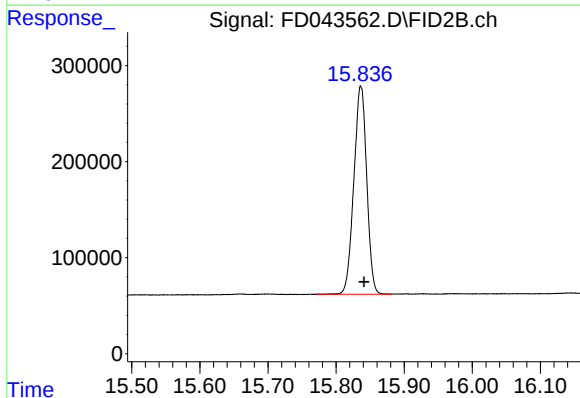
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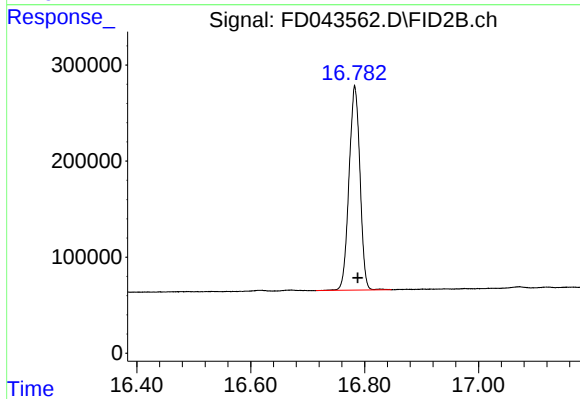
#14 n-Tetracosane (C24)

R.T.: 14.818 min
Delta R.T.: -0.005 min
Response: 2852759
Conc: 19.69 ug/ml



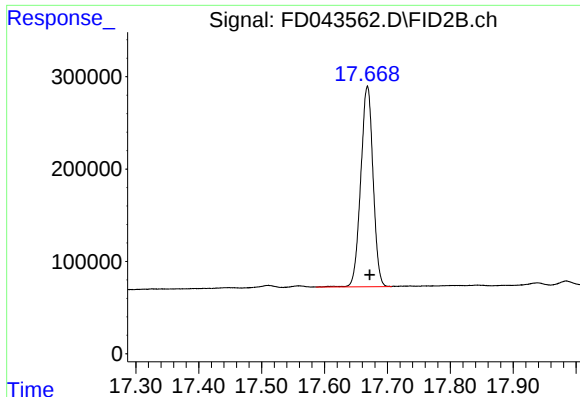
#15 n-Hexacosane (C26)

R.T.: 15.836 min
Delta R.T.: -0.005 min
Response: 2847197
Conc: 19.79 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.783 min
Delta R.T.: -0.005 min
Response: 2836036
Conc: 20.05 ug/ml



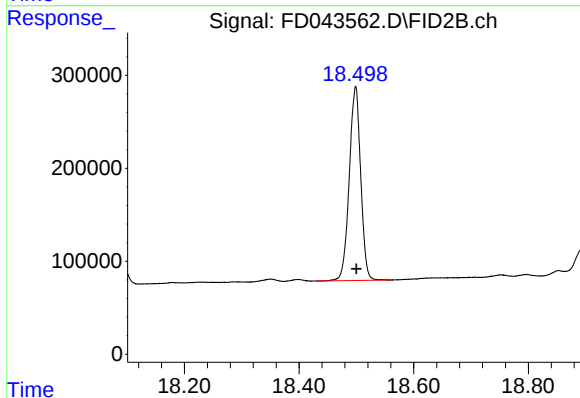
#17 n-Tricontane (C30)

R.T.: 17.668 min
Delta R.T.: -0.004 min
Response: 2947650
Conc: 20.88 ug/ml

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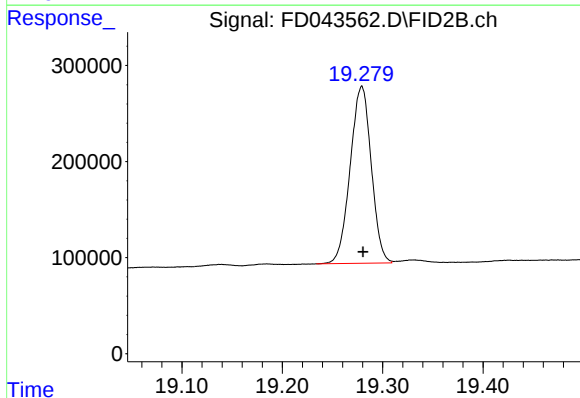
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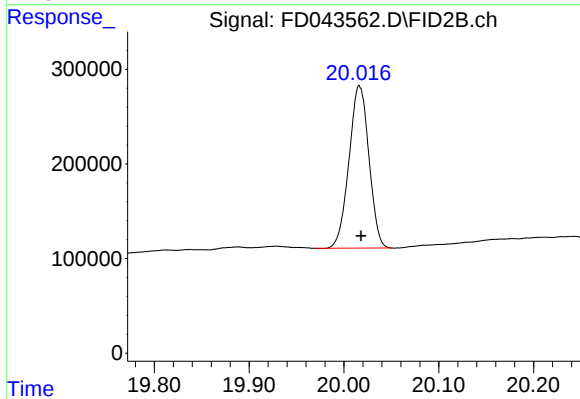
#18 n-Dotriacontane (C32)

R.T.: 18.499 min
Delta R.T.: -0.001 min
Response: 2891974
Conc: 20.91 ug/ml



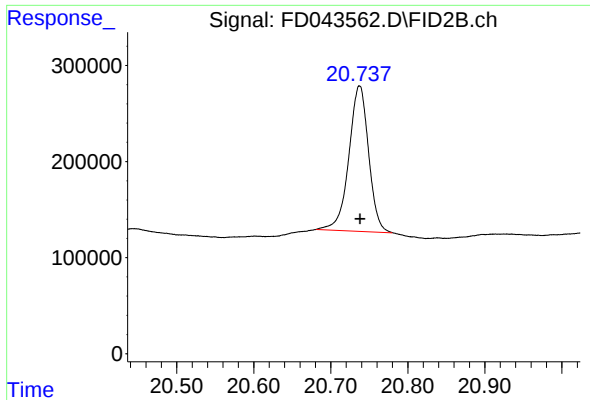
#19 n-Tetratriacontane (C34)

R.T.: 19.279 min
Delta R.T.: -0.002 min
Response: 2686025
Conc: 20.87 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.016 min
Delta R.T.: -0.002 min
Response: 2509408
Conc: 20.34 ug/ml



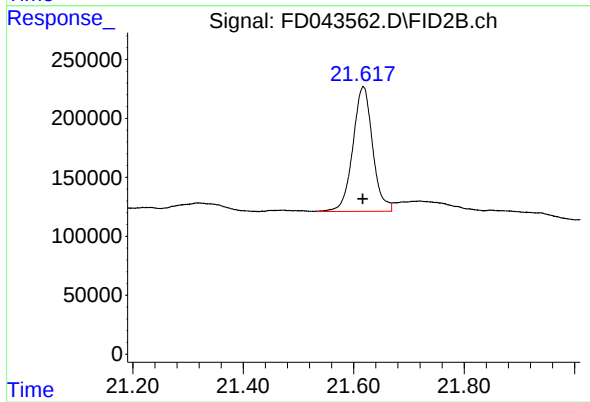
#21 n-Octatriacontane (C38)

R.T.: 20.737 min
Delta R.T.: -0.001 min
Response: 2698572
Conc: 22.82 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.617 min
Delta R.T.: 0.001 min
Response: 2625672
Conc: 23.22 ug/ml