

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081822AL\
 Data File : FD043672.D
 Signal(s) : FID2B.ch
 Acq On : 19 Aug 2022 04:03
 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 08/19/2022
 Supervised By :Ankita Jodhani 08/19/2022

Integration File: sample.E
 Quant Time: Aug 19 04:30:20 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)	11.522	2747802	17.359 ug/ml
Spiked Amount 50.000		Recovery =	34.72%
12) S 1-chlorooctadecane (S...	12.959	2128029	17.363 ug/ml
Spiked Amount 50.000		Recovery =	34.73%
Target Compounds			
1) T n-Nonane (C9)	3.306	2764880	19.726 ug/ml
2) T n-Decane (C10)	4.368	2793123	19.865 ug/ml
3) T A~Naphthalene (C11.7)	5.946	2916487	19.194 ug/ml
4) T n-Dodecane (C12)	6.381	2781673	19.544 ug/ml
5) T A~2-methylnaphthalene...	7.000	2837786	18.966 ug/ml
6) T n-Tetradecane (C14)	8.172	2719478	19.171 ug/ml
7) T n-Hexadecane (C16)	9.770	2692360	18.983 ug/ml
8) T n-Octadecane (C18)	11.209	2660344	18.605 ug/ml
10) T n-Eicosane (C20)	12.516	2625294	18.132 ug/ml
11) T n-Heneicosane (C21)	13.127	2542246	17.503 ug/ml
13) T n-Docosane (C22)	13.712	2647988	18.252 ug/ml
14) T n-Tetracosane (C24)	14.813	2795489	19.296 ug/ml
15) T n-Hexacosane (C26)	15.832	2876195	19.996 ug/ml
16) T n-Octacosane (C28)	16.778	2973199	21.018 ug/ml
17) T n-Tricontane (C30)	17.663	3194112	22.630 ug/ml
18) T n-Dotriacontane (C32)	18.493	3161891	22.865 ug/ml
19) T n-Tetratriacontane (C34)	19.273	2834662	22.028 ug/ml
20) T n-Hexatriacontane (C36)	20.012	2627372	21.301 ug/ml
21) T n-Octatriacontane (C38)	20.730	2660729	22.501 ug/mlm
22) T n-Tetracontane (C40)	21.608	2601573	23.008 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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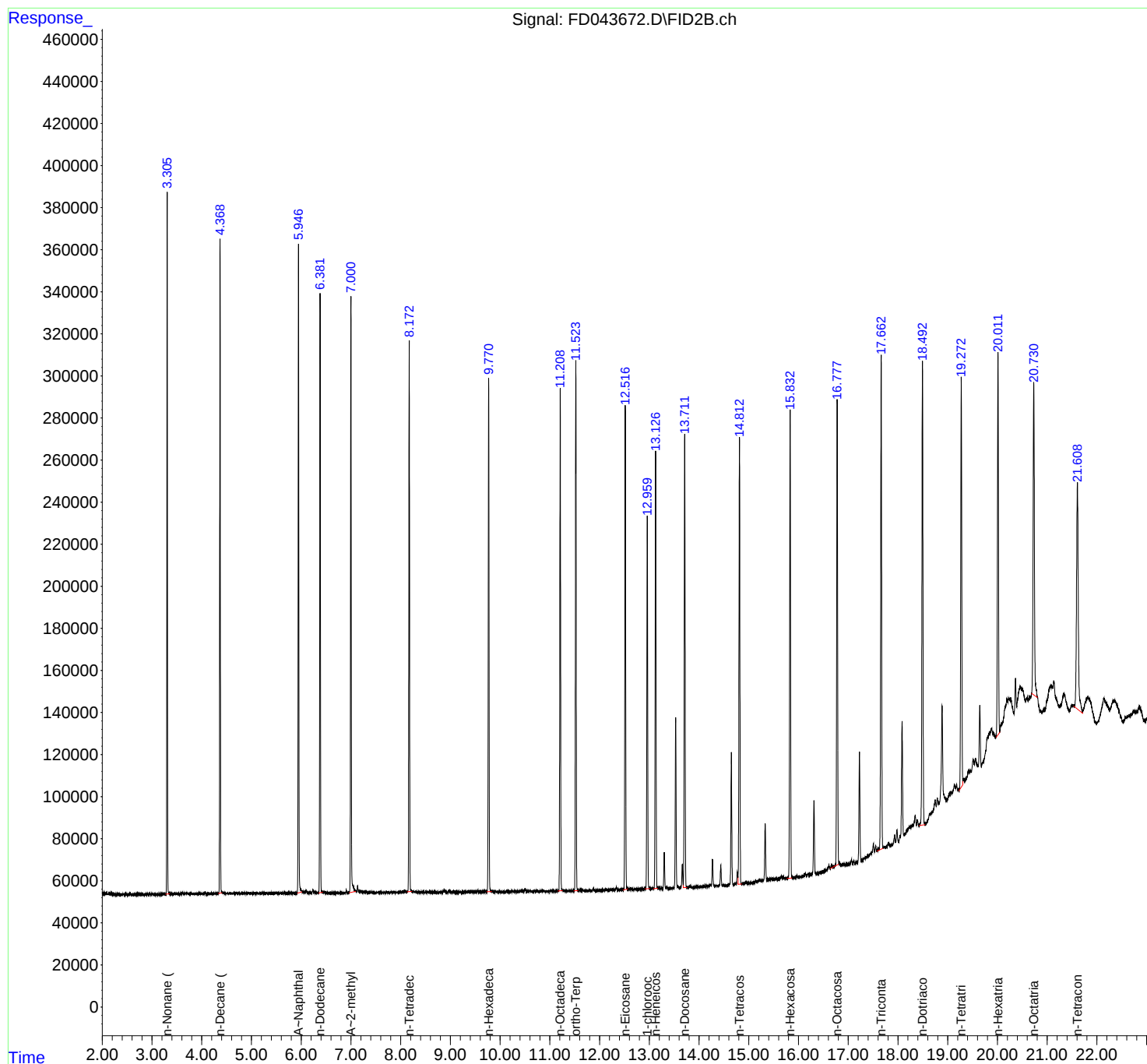
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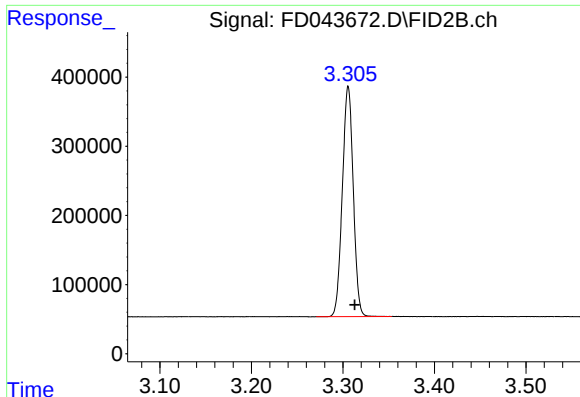
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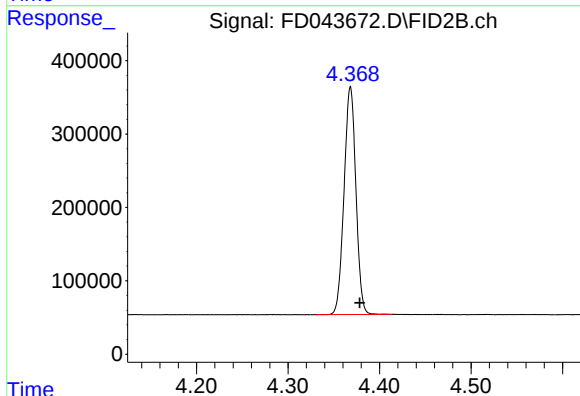
#1 n-Nonane (C9)

R.T.: 3.306 min
Delta R.T.: -0.007 min
Response: 2764880
Conc: 19.73 ug/ml

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20 PPM ALIPHATIC HC STD

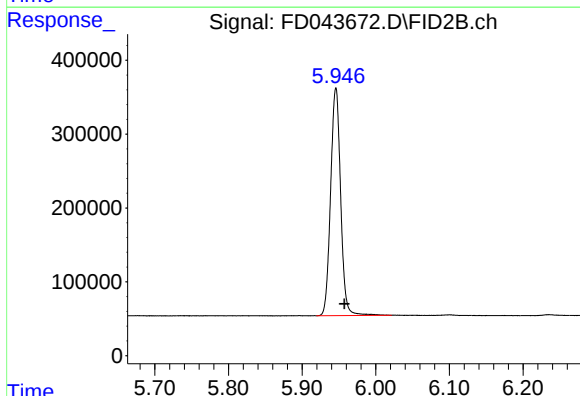
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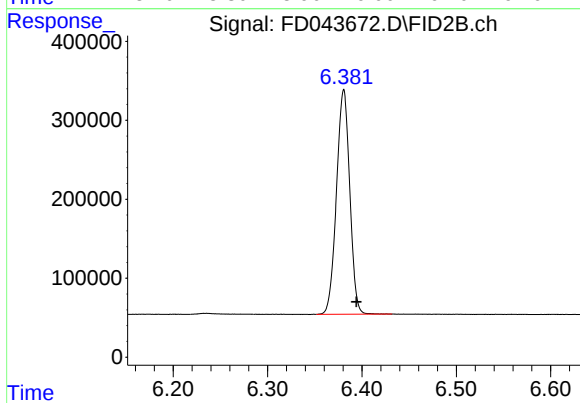
#2 n-Decane (C10)

R.T.: 4.368 min
Delta R.T.: -0.010 min
Response: 2793123
Conc: 19.86 ug/ml



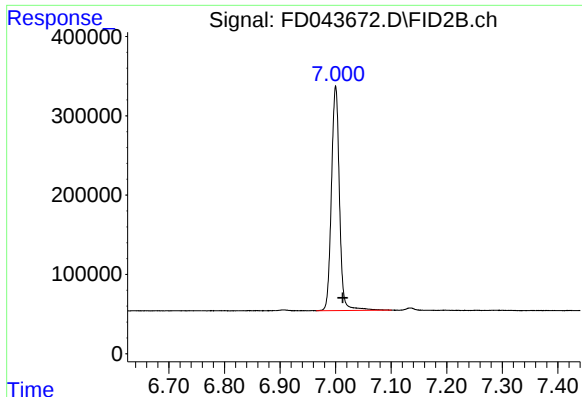
#3 A~Naphthalene (C11.7)

R.T.: 5.946 min
Delta R.T.: -0.012 min
Response: 2916487
Conc: 19.19 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.381 min
Delta R.T.: -0.013 min
Response: 2781673
Conc: 19.54 ug/ml



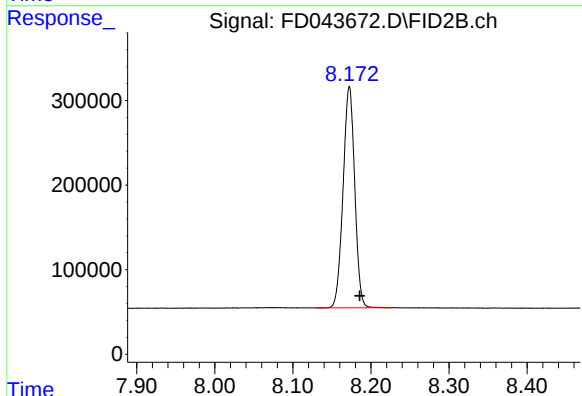
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.000 min
Delta R.T.: -0.013 min
Response: 2837786
Conc: 18.97 ug/ml

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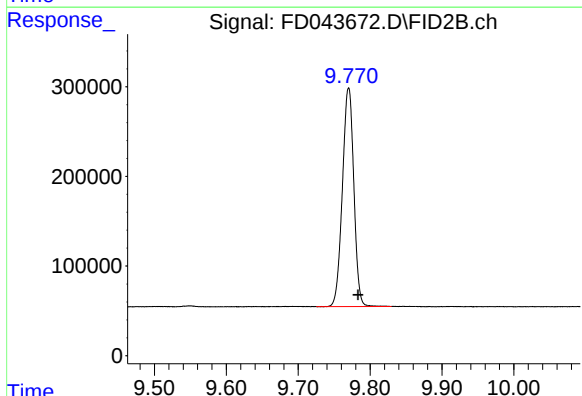
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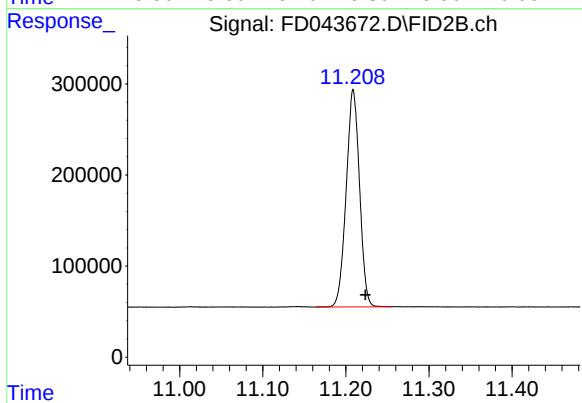
#6 n-Tetradecane (C14)

R.T.: 8.172 min
Delta R.T.: -0.013 min
Response: 2719478
Conc: 19.17 ug/ml



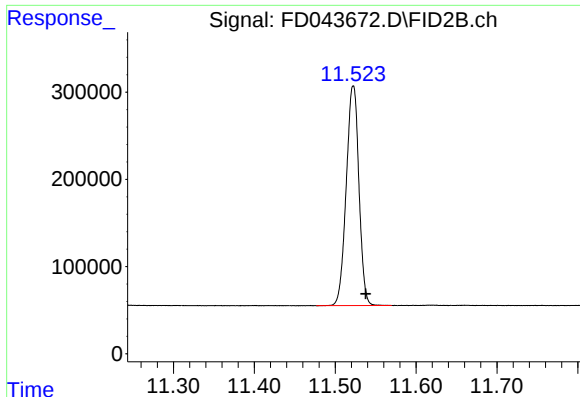
#7 n-Hexadecane (C16)

R.T.: 9.770 min
Delta R.T.: -0.013 min
Response: 2692360
Conc: 18.98 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.209 min
Delta R.T.: -0.015 min
Response: 2660344
Conc: 18.61 ug/ml



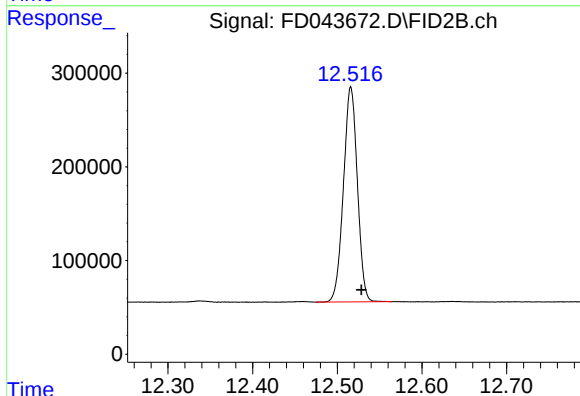
#9 ortho-Terphenyl (SURR)

R.T.: 11.522 min
Delta R.T.: -0.015 min
Response: 2747802
Conc: 17.36 ug/ml

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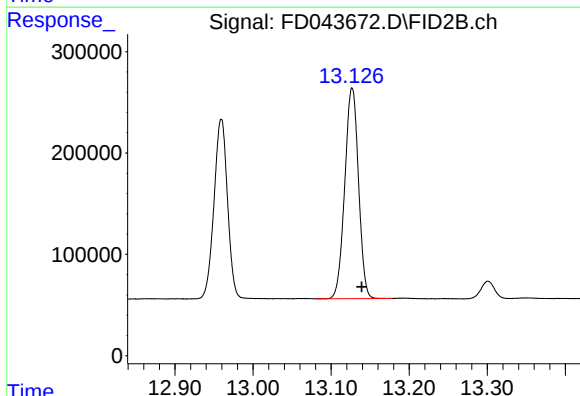
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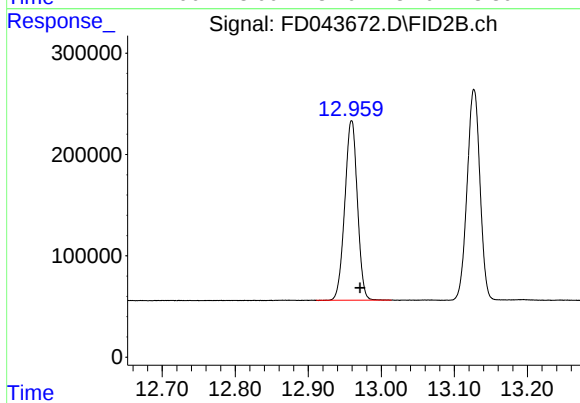
#10 n-Eicosane (C20)

R.T.: 12.516 min
Delta R.T.: -0.012 min
Response: 2625294
Conc: 18.13 ug/ml



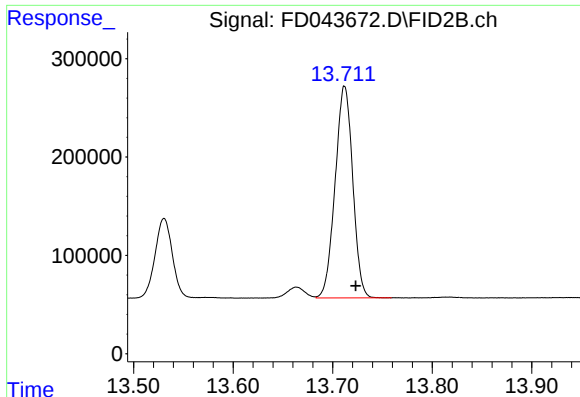
#11 n-Heneicosane (C21)

R.T.: 13.127 min
Delta R.T.: -0.012 min
Response: 2542246
Conc: 17.50 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.959 min
Delta R.T.: -0.011 min
Response: 2128029
Conc: 17.36 ug/ml



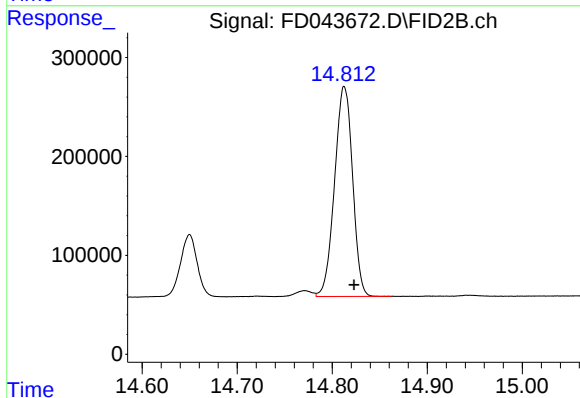
#13 n-Docosane (C22)

R.T.: 13.712 min
Delta R.T.: -0.011 min
Response: 2647988
Conc: 18.25 ug/ml

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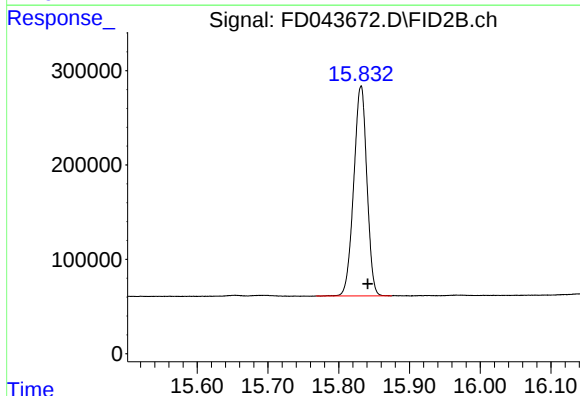
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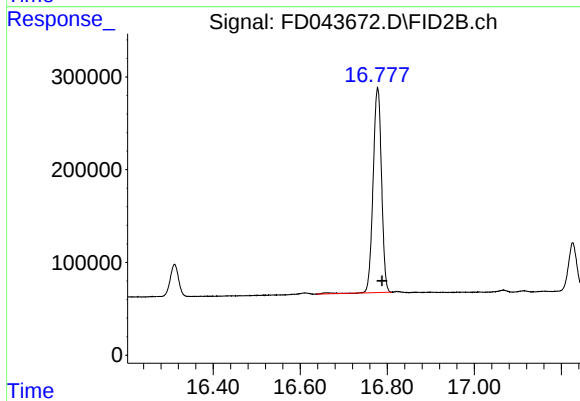
#14 n-Tetracosane (C24)

R.T.: 14.813 min
Delta R.T.: -0.010 min
Response: 2795489
Conc: 19.30 ug/ml



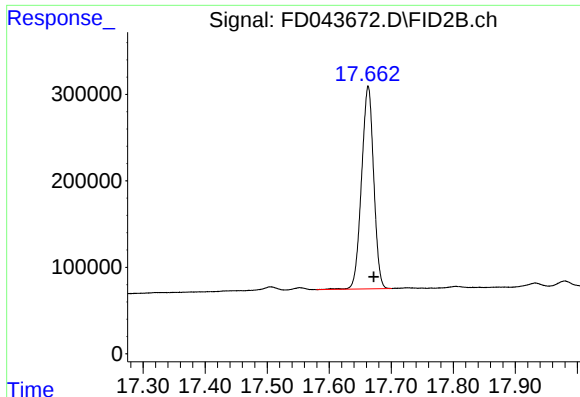
#15 n-Hexacosane (C26)

R.T.: 15.832 min
Delta R.T.: -0.009 min
Response: 2876195
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.778 min
Delta R.T.: -0.010 min
Response: 2973199
Conc: 21.02 ug/ml



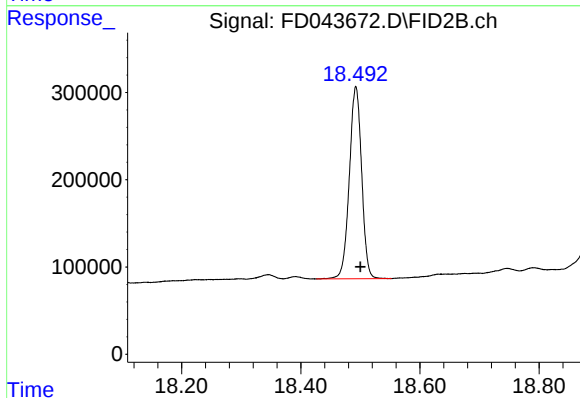
#17 n-Tricontane (C30)

R.T.: 17.663 min
Delta R.T.: -0.009 min
Response: 3194112
Conc: 22.63 ug/ml

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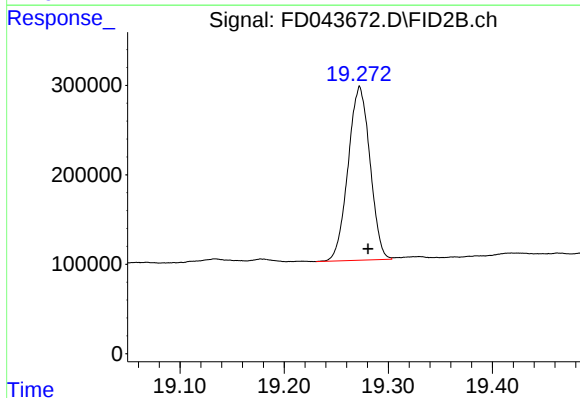
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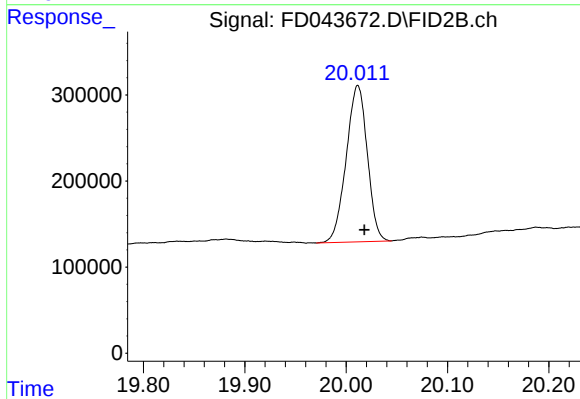
#18 n-Dotriacontane (C32)

R.T.: 18.493 min
Delta R.T.: -0.008 min
Response: 3161891
Conc: 22.86 ug/ml



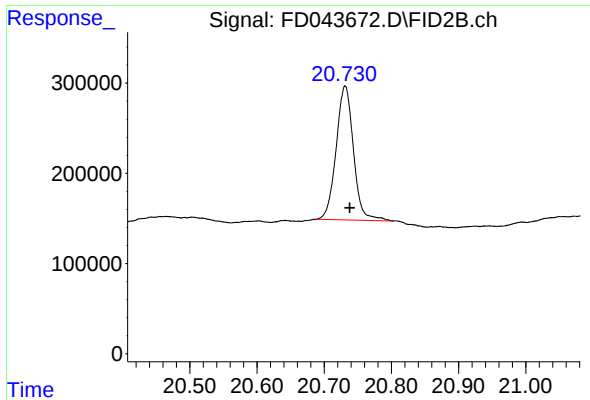
#19 n-Tetratriacontane (C34)

R.T.: 19.273 min
Delta R.T.: -0.008 min
Response: 2834662
Conc: 22.03 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.012 min
Delta R.T.: -0.006 min
Response: 2627372
Conc: 21.30 ug/ml



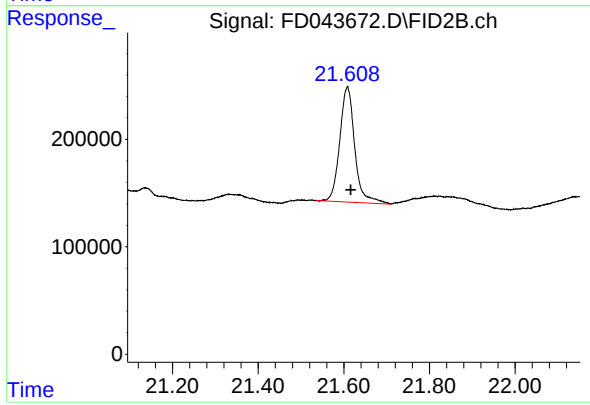
#21 n-Octatriacontane (C38)

R.T.: 20.730 min
Delta R.T.: -0.008 min
Response: 2660729
Conc: 22.50 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.608 min
Delta R.T.: -0.008 min
Response: 2601573
Conc: 23.01 ug/ml