

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080322AL\
 Data File : FC060973.D
 Signal(s) : FID1A.ch
 Acq On : 03 Aug 2022 15:31
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/04/2022
 Supervised By :Ankita Jodhani 08/04/2022

Integration File: autoint1.e
 Quant Time: Aug 03 22:18:22 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 072522.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 25 19:40:54 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)	10.636	3067187	18.690 ug/ml
Spiked Amount 50.000		Recovery =	37.38%
12) S 1-chlorooctadecane (S...	11.999	2453963	18.485 ug/ml
Spiked Amount 50.000		Recovery =	36.97%
Target Compounds			
1) T n-Nonane (C9)	2.622	2899226	20.585 ug/ml
2) T n-Decane (C10)	3.619	2990760	21.201 ug/ml
3) T A~Naphthalene (C11.7)	5.162	3052035	21.471 ug/ml
4) T n-Dodecane (C12)	5.567	3082004	20.794 ug/ml
5) T A~2-methylnaphthalene...	6.185	2936758	21.413 ug/ml
6) T n-Tetradecane (C14)	7.318	3073163	20.469 ug/ml
7) T n-Hexadecane (C16)	8.879	3070040	20.061 ug/ml
8) T n-Octadecane (C18)	10.286	3039198	19.463 ug/ml
10) T n-Eicosane (C20)	11.564	2963656	18.885 ug/ml
11) T n-Heneicosane (C21)	12.161	2909290	18.593 ug/ml
13) T n-Docosane (C22)	12.733	2875191	18.441 ug/ml
14) T n-Tetracosane (C24)	13.809	2746021	17.987 ug/ml
15) T n-Hexacosane (C26)	14.805	2645663	17.724 ug/ml
16) T n-Octacosane (C28)	15.733	2607232	18.195 ug/ml
17) T n-Tricontane (C30)	16.599	2772327	19.802 ug/ml
18) T n-Dotriacontane (C32)	17.411	2870781	21.271 ug/mlm
19) T n-Tetratriacontane (C34)	18.175	2728951	21.759 ug/ml
20) T n-Hexatriacontane (C36)	18.896	2759261	22.573 ug/mlm
21) T n-Octatriacontane (C38)	19.578	2701164	22.886 ug/mlm
22) T n-Tetracontane (C40)	20.227	2920223	25.372 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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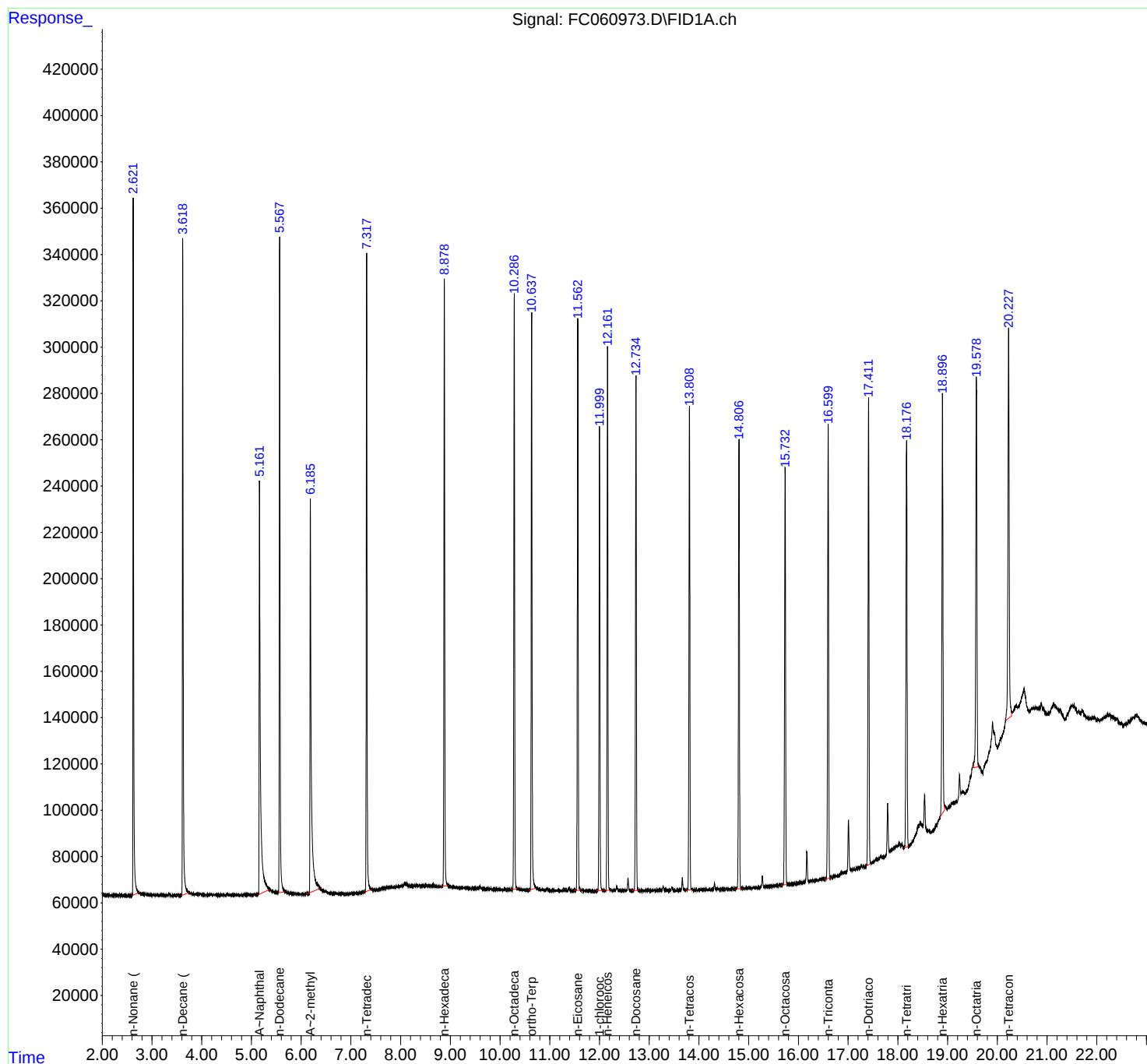
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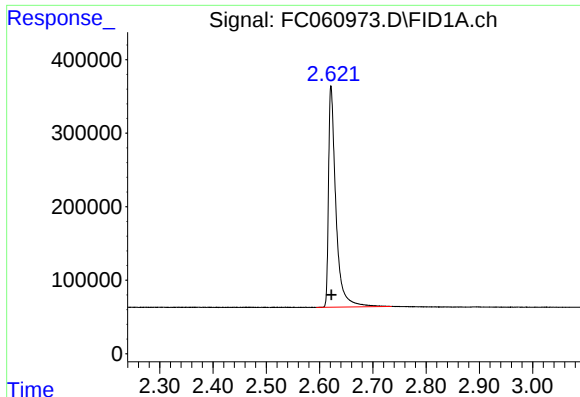
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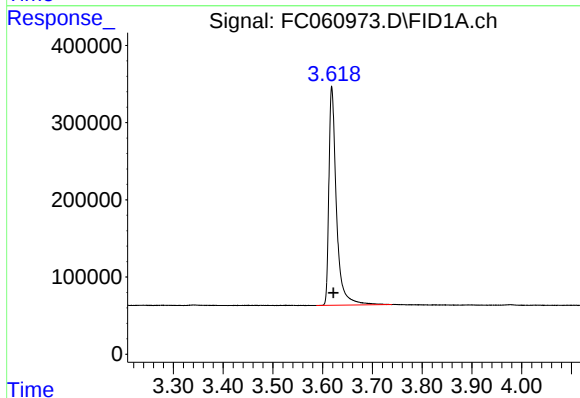
#1 n-Nonane (C9)

R.T.: 2.622 min
Delta R.T.: 0.000 min
Response: 2899226
Conc: 20.59 ug/ml

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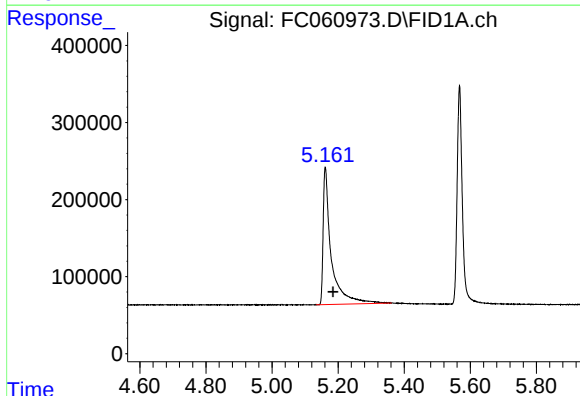
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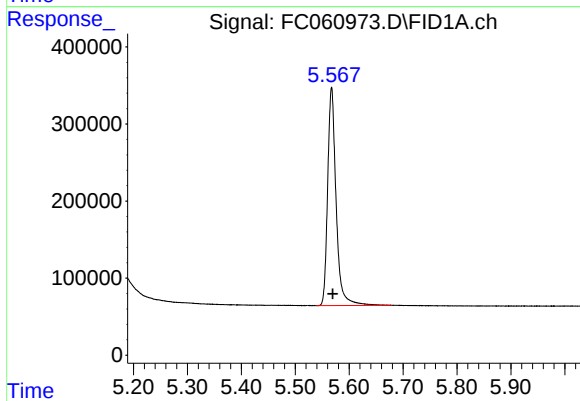
#2 n-Decane (C10)

R.T.: 3.619 min
Delta R.T.: -0.003 min
Response: 2990760
Conc: 21.20 ug/ml



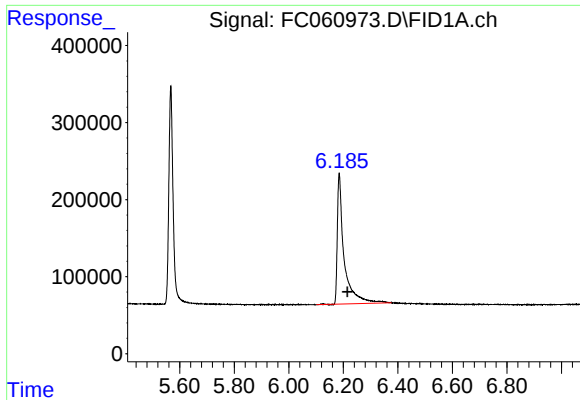
#3 A~Naphthalene (C11.7)

R.T.: 5.162 min
Delta R.T.: -0.023 min
Response: 3052035
Conc: 21.47 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.567 min
Delta R.T.: -0.002 min
Response: 3082004
Conc: 20.79 ug/ml



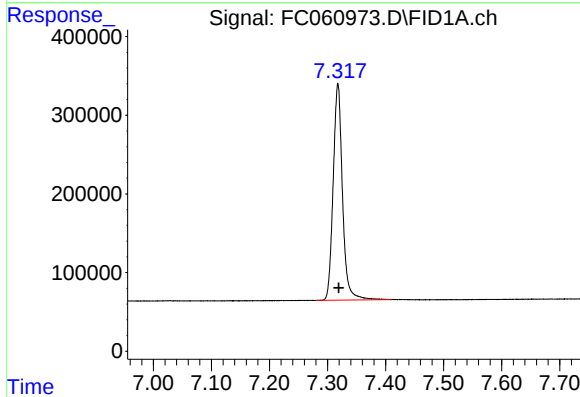
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.185 min
Delta R.T.: -0.029 min
Response: 2936758
Conc: 21.41 ug/ml

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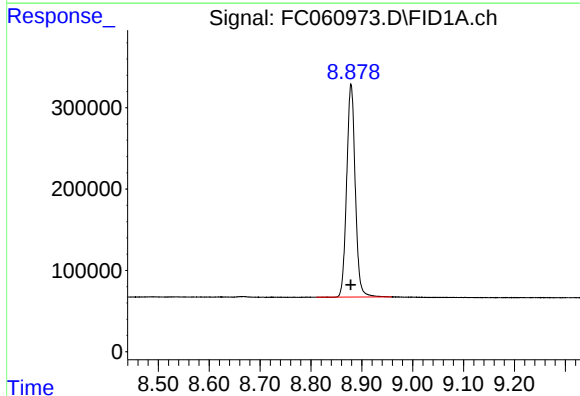
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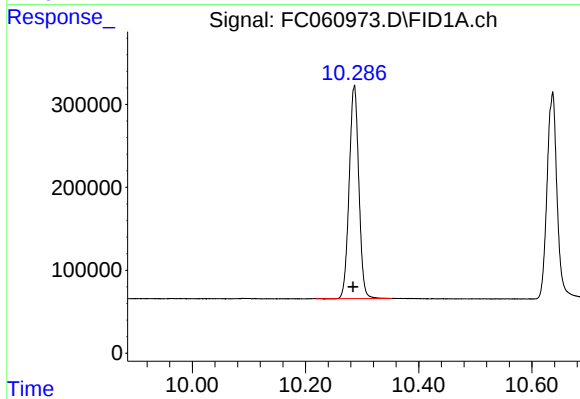
#6 n-Tetradecane (C14)

R.T.: 7.318 min
Delta R.T.: -0.001 min
Response: 3073163
Conc: 20.47 ug/ml



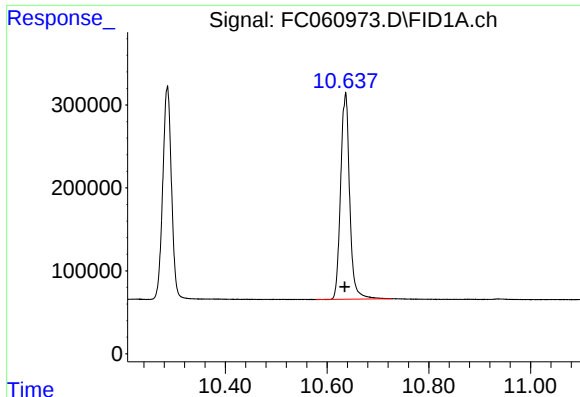
#7 n-Hexadecane (C16)

R.T.: 8.879 min
Delta R.T.: 0.000 min
Response: 3070040
Conc: 20.06 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.286 min
Delta R.T.: 0.002 min
Response: 3039198
Conc: 19.46 ug/ml



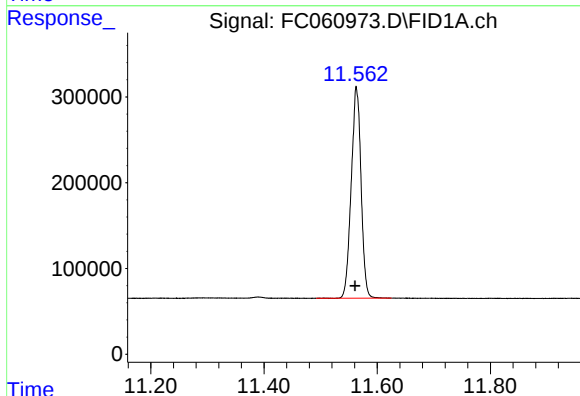
#9 ortho-Terphenyl (SURR)

R.T.: 10.636 min
Delta R.T.: 0.001 min
Response: 3067187
Conc: 18.69 ug/ml

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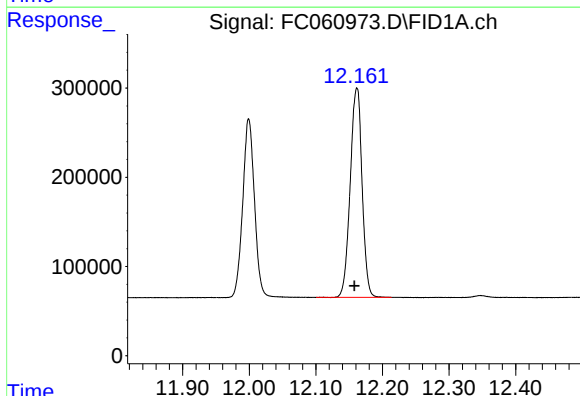
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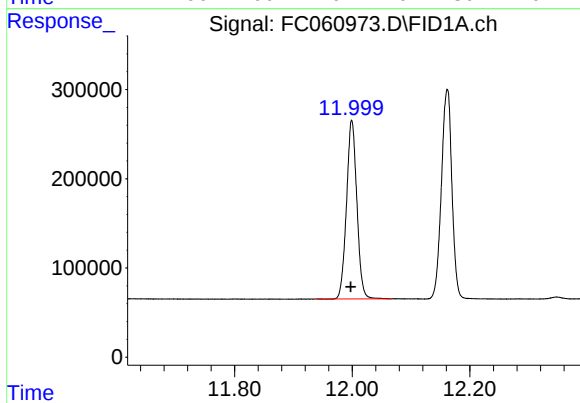
#10 n-Eicosane (C20)

R.T.: 11.564 min
Delta R.T.: 0.003 min
Response: 2963656
Conc: 18.89 ug/ml



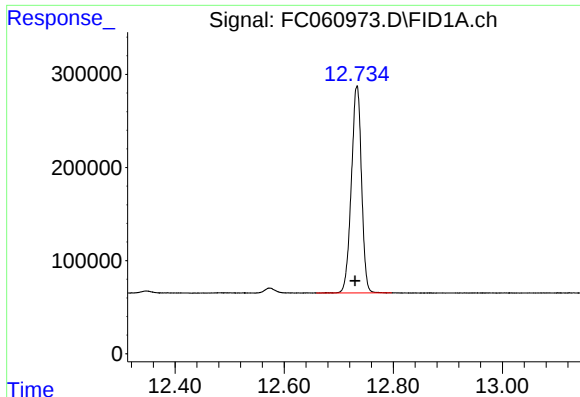
#11 n-Heneicosane (C21)

R.T.: 12.161 min
Delta R.T.: 0.003 min
Response: 2909290
Conc: 18.59 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 11.999 min
Delta R.T.: 0.002 min
Response: 2453963
Conc: 18.48 ug/ml



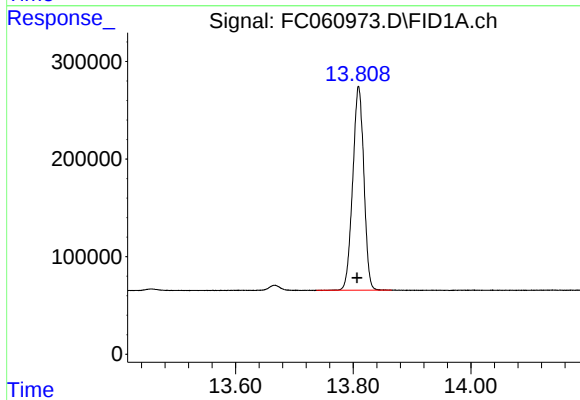
#13 n-Docosane (C22)

R.T.: 12.733 min
Delta R.T.: 0.003 min
Response: 2875191
Conc: 18.44 ug/ml

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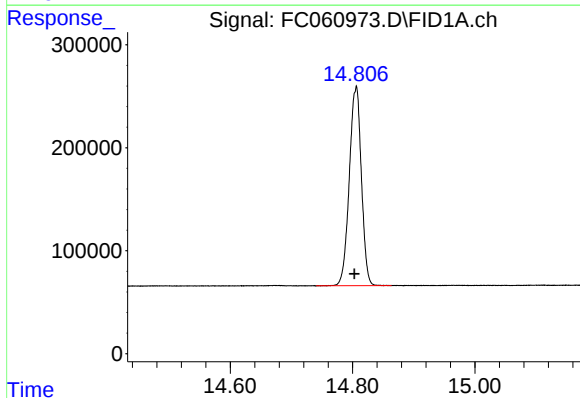
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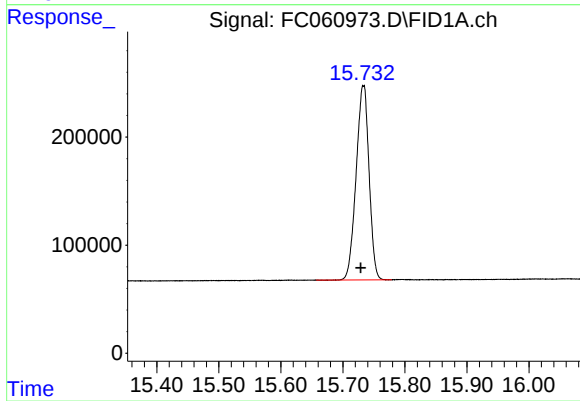
#14 n-Tetracosane (C24)

R.T.: 13.809 min
Delta R.T.: 0.003 min
Response: 2746021
Conc: 17.99 ug/ml



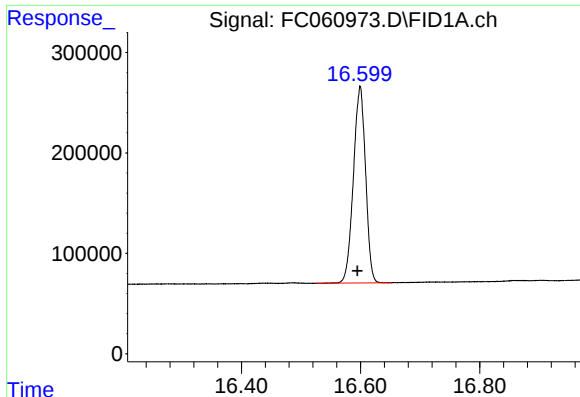
#15 n-Hexacosane (C26)

R.T.: 14.805 min
Delta R.T.: 0.002 min
Response: 2645663
Conc: 17.72 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.733 min
Delta R.T.: 0.004 min
Response: 2607232
Conc: 18.20 ug/ml



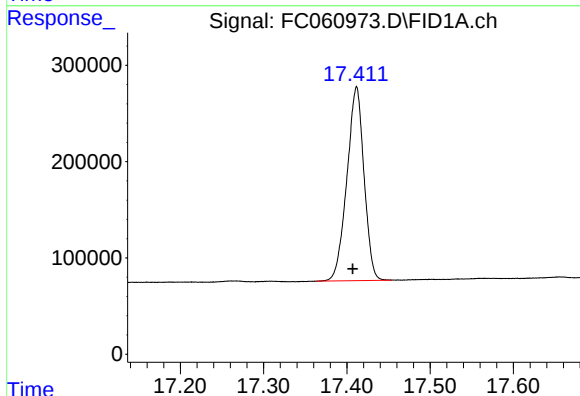
#17 n-Tricontane (C30)

R.T.: 16.599 min
Delta R.T.: 0.005 min
Response: 2772327
Conc: 19.80 ug/ml

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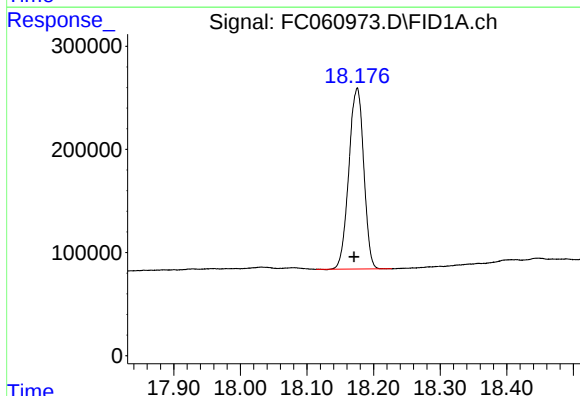
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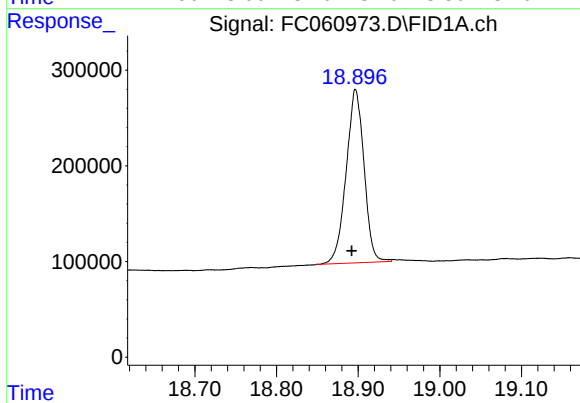
#18 n-Dotriacontane (C32)

R.T.: 17.411 min
Delta R.T.: 0.004 min
Response: 2870781
Conc: 21.27 ug/ml m



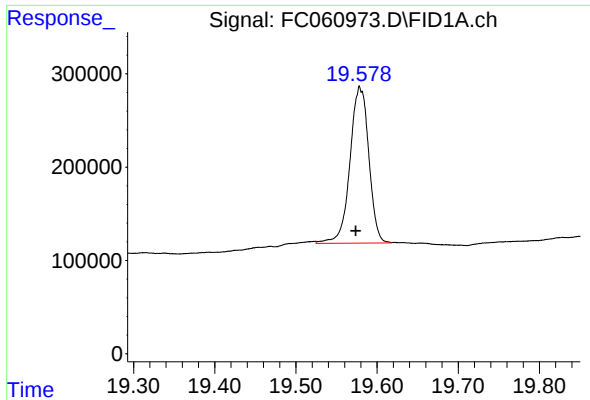
#19 n-Tetratriacontane (C34)

R.T.: 18.175 min
Delta R.T.: 0.004 min
Response: 2728951
Conc: 21.76 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 18.896 min
Delta R.T.: 0.004 min
Response: 2759261
Conc: 22.57 ug/ml m



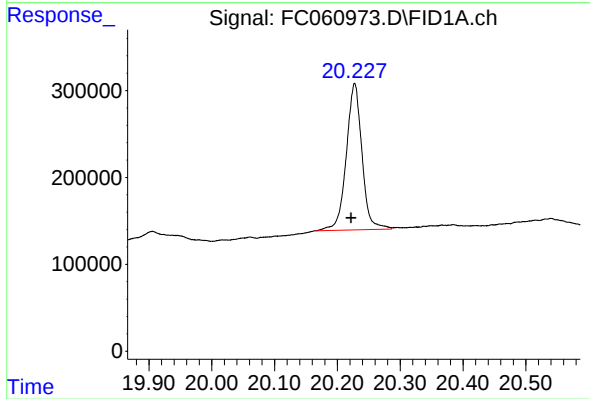
#21 n-Octatriacontane (C38)

R.T.: 19.578 min
Delta R.T.: 0.004 min
Response: 2701164
Conc: 22.89 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 20.227 min
Delta R.T.: 0.005 min
Response: 2920223
Conc: 25.37 ug/ml m