

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC101422AL\
 Data File : FC061800.D
 Signal(s) : FID1A.ch
 Acq On : 14 Oct 2022 10:25
 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 10/17/2022
 Supervised By :Ankita Jodhani 10/17/2022

Integration File: autoint1.e
 Quant Time: Oct 15 16:13:41 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 092022.M
 Quant Title : GC Extractables
 QLast Update : Tue Sep 20 18:33:32 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)	11.589	2911612	17.037 ug/ml
Spiked Amount 50.000		Recovery =	34.07%
12) S 1-chlorooctadecane (S...	13.026	2293557	16.789 ug/ml
Spiked Amount 50.000		Recovery =	33.58%
Target Compounds			
1) T n-Nonane (C9)	3.344	2711577	18.166 ug/ml
2) T n-Decane (C10)	4.413	2839679	18.825 ug/ml
3) T A~Naphthalene (C11.7)	5.999	3043825	18.355 ug/ml
4) T n-Dodecane (C12)	6.430	2881679	18.951 ug/ml
5) T A~2-methylnaphthalene...	7.055	2985181	18.148 ug/ml
6) T n-Tetradecane (C14)	8.227	2878314	18.879 ug/ml
7) T n-Hexadecane (C16)	9.828	2878201	18.614 ug/ml
8) T n-Octadecane (C18)	11.271	2863782	18.166 ug/ml
10) T n-Eicosane (C20)	12.582	2795654	17.544 ug/ml
11) T n-Heneicosane (C21)	13.194	2728547	17.007 ug/ml
13) T n-Docosane (C22)	13.780	2758939	17.172 ug/ml
14) T n-Tetracosane (C24)	14.883	2748209	17.156 ug/ml
15) T n-Hexacosane (C26)	15.903	2727216	17.203 ug/ml
16) T n-Octacosane (C28)	16.853	2803247	18.086 ug/ml
17) T n-Tricontane (C30)	17.741	3023976	19.650 ug/ml
18) T n-Dotriacontane (C32)	18.573	3043348	20.127 ug/ml
19) T n-Tetratriacontane (C34)	19.356	2772361	19.552 ug/mlm
20) T n-Hexatriacontane (C36)	20.096	2558021	18.529 ug/mlm
21) T n-Octatriacontane (C38)	20.834	2480475	19.153 ug/ml
22) T n-Tetracontane (C40)	21.751	2327527	19.046 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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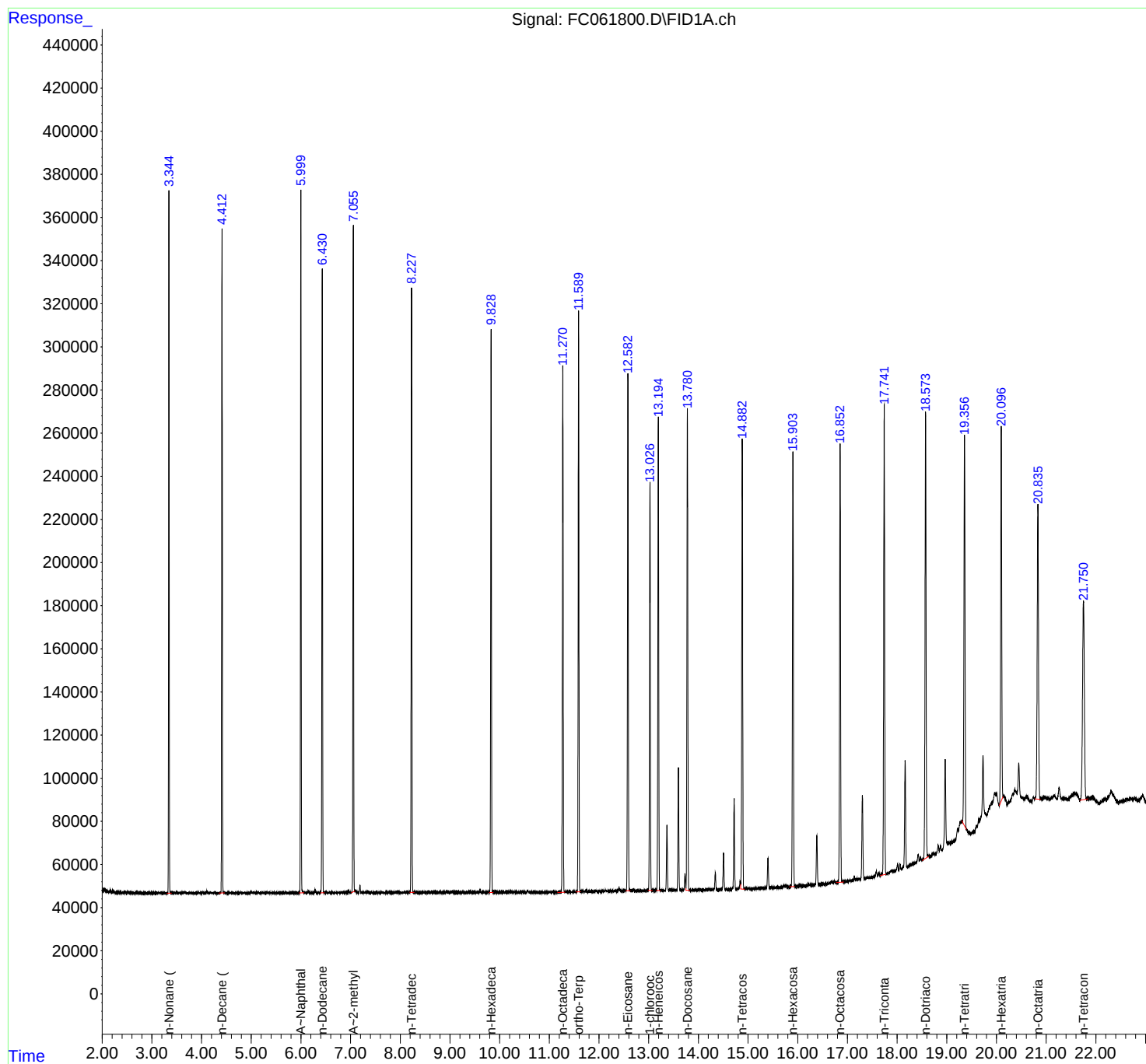
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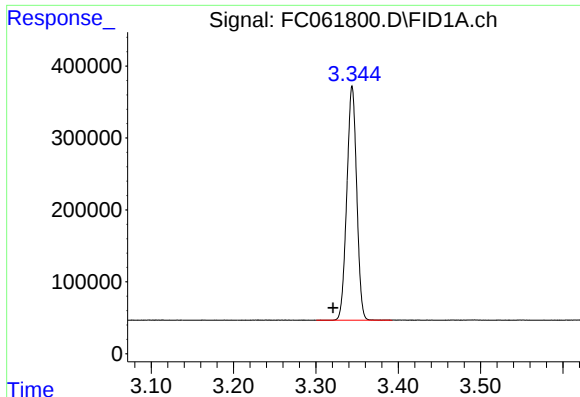
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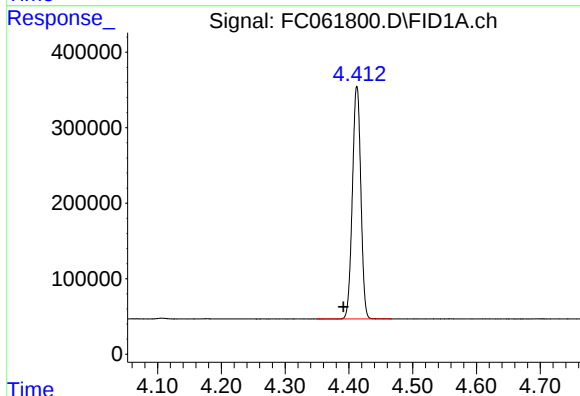
#1 n-Nonane (C9)

R.T.: 3.344 min
Delta R.T.: 0.023 min
Response: 2711577
Conc: 18.17 ug/ml

Instrument :
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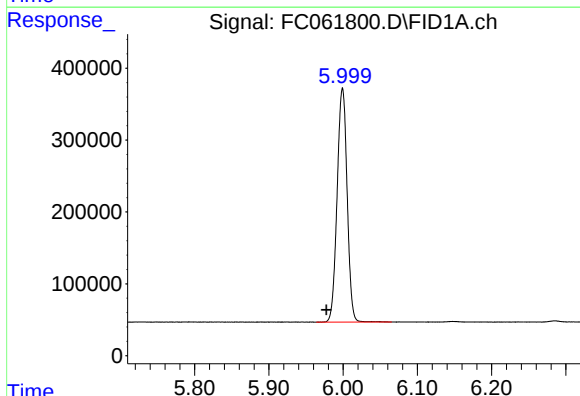
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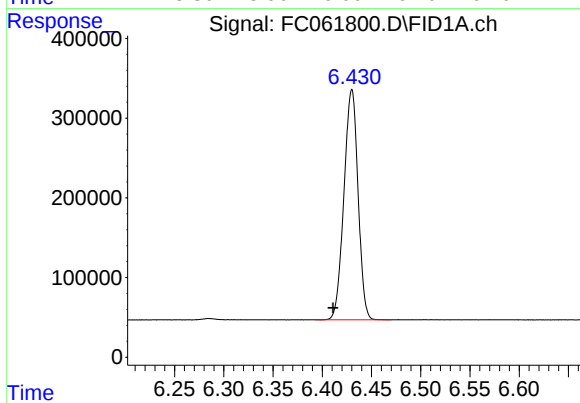
#2 n-Decane (C10)

R.T.: 4.413 min
Delta R.T.: 0.021 min
Response: 2839679
Conc: 18.83 ug/ml



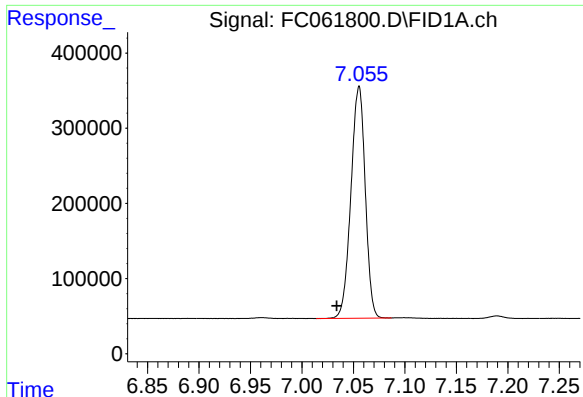
#3 A~Naphthalene (C11.7)

R.T.: 5.999 min
Delta R.T.: 0.022 min
Response: 3043825
Conc: 18.35 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.430 min
Delta R.T.: 0.019 min
Response: 2881679
Conc: 18.95 ug/ml



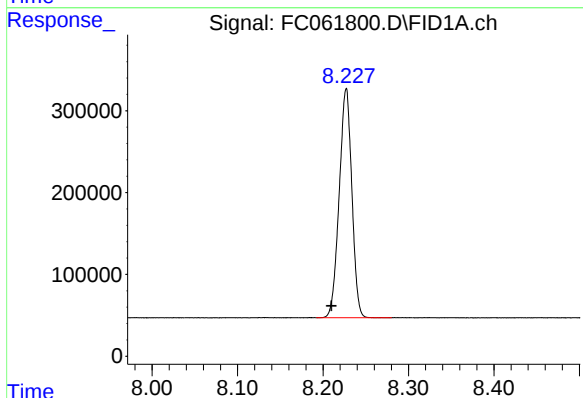
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.055 min
Delta R.T.: 0.021 min
Response: 2985181
Conc: 18.15 ug/ml

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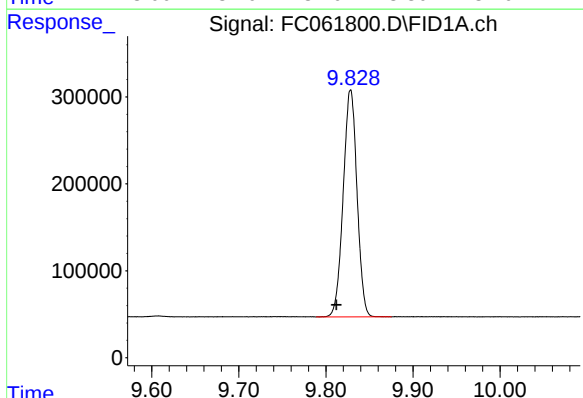
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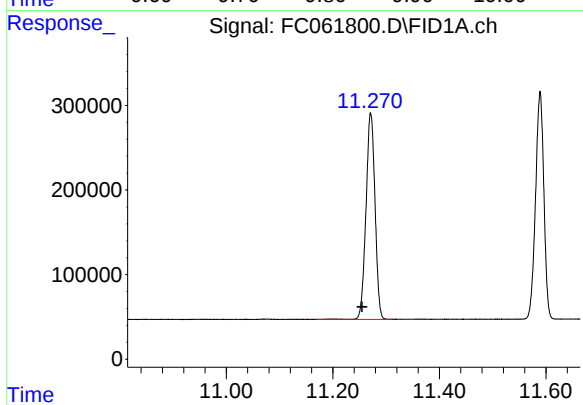
#6 n-Tetradecane (C14)

R.T.: 8.227 min
Delta R.T.: 0.017 min
Response: 2878314
Conc: 18.88 ug/ml



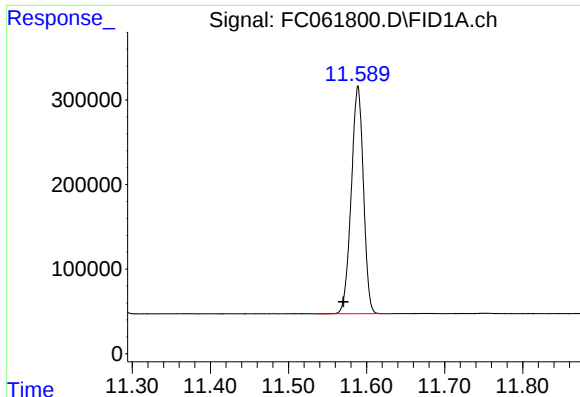
#7 n-Hexadecane (C16)

R.T.: 9.828 min
Delta R.T.: 0.016 min
Response: 2878201
Conc: 18.61 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.271 min
Delta R.T.: 0.016 min
Response: 2863782
Conc: 18.17 ug/ml



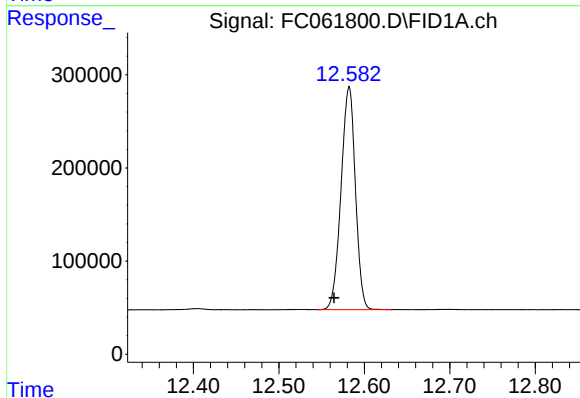
#9 ortho-Terphenyl (SURR)

R.T.: 11.589 min
Delta R.T.: 0.018 min
Response: 2911612
Conc: 17.04 ug/ml

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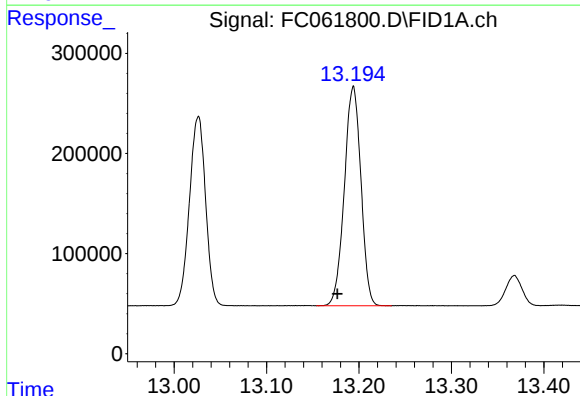
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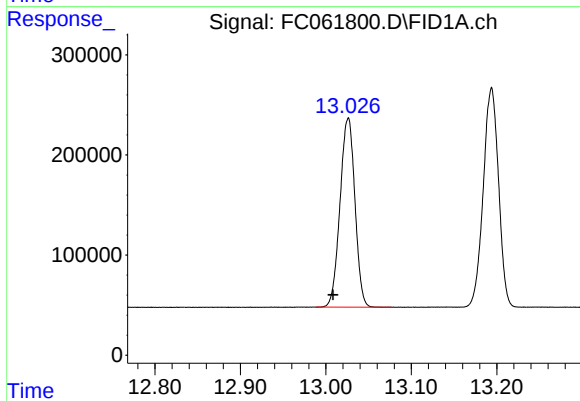
#10 n-Eicosane (C20)

R.T.: 12.582 min
Delta R.T.: 0.017 min
Response: 2795654
Conc: 17.54 ug/ml



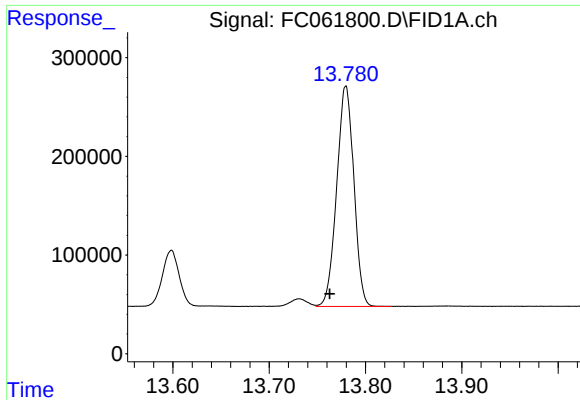
#11 n-Heneicosane (C21)

R.T.: 13.194 min
Delta R.T.: 0.017 min
Response: 2728547
Conc: 17.01 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.026 min
Delta R.T.: 0.018 min
Response: 2293557
Conc: 16.79 ug/ml



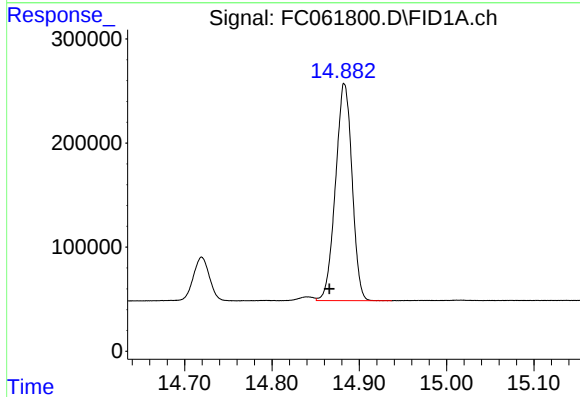
#13 n-Docosane (C22)

R.T.: 13.780 min
Delta R.T.: 0.017 min
Response: 2758939
Conc: 17.17 ug/ml

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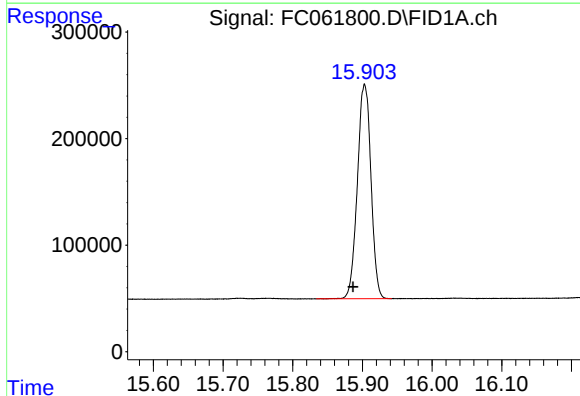
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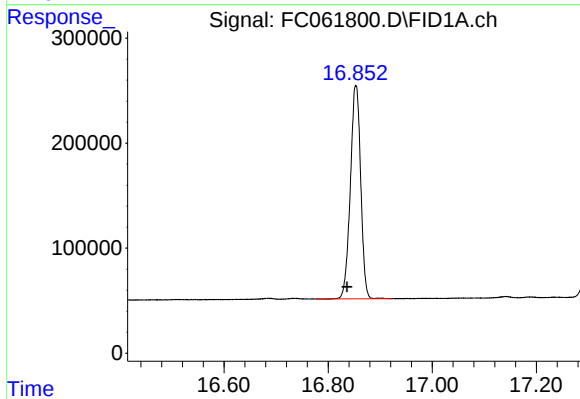
#14 n-Tetracosane (C24)

R.T.: 14.883 min
Delta R.T.: 0.017 min
Response: 2748209
Conc: 17.16 ug/ml



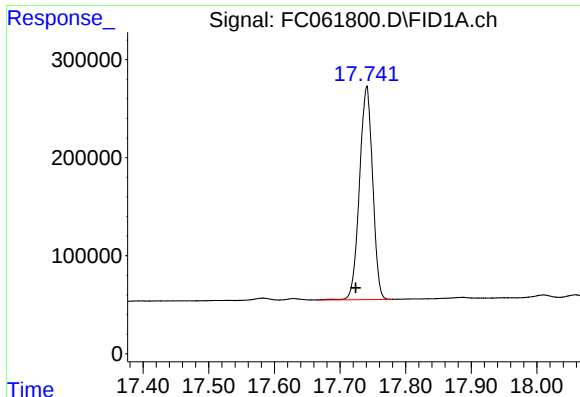
#15 n-Hexacosane (C26)

R.T.: 15.903 min
Delta R.T.: 0.016 min
Response: 2727216
Conc: 17.20 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.853 min
Delta R.T.: 0.017 min
Response: 2803247
Conc: 18.09 ug/ml



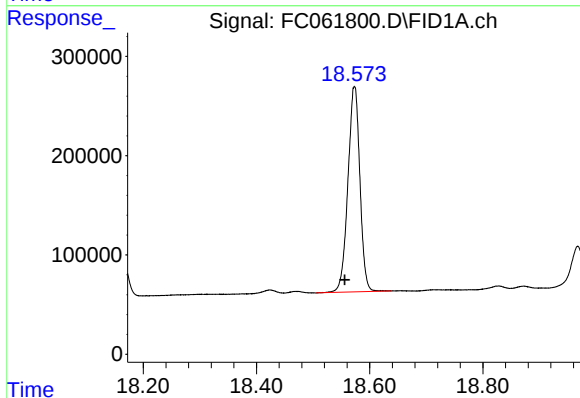
#17 n-Tricontane (C30)

R.T.: 17.741 min
Delta R.T.: 0.016 min
Response: 3023976
Conc: 19.65 ug/ml

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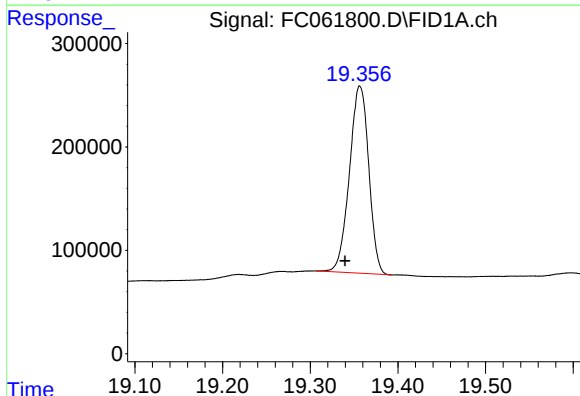
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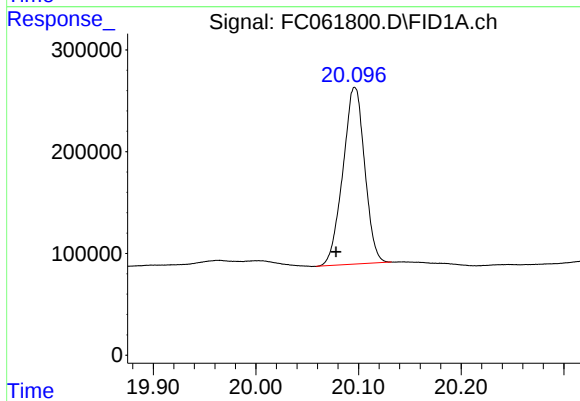
#18 n-Dotriacontane (C32)

R.T.: 18.573 min
Delta R.T.: 0.017 min
Response: 3043348
Conc: 20.13 ug/ml



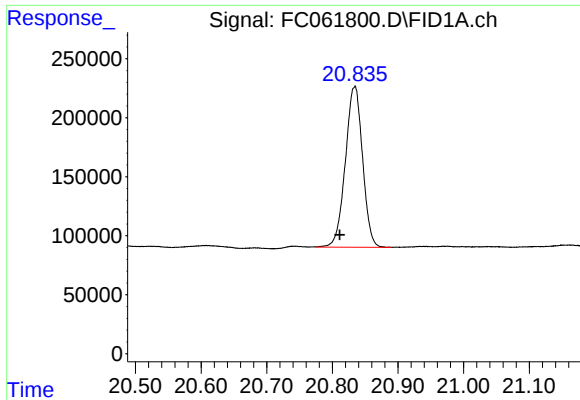
#19 n-Tetratriacontane (C34)

R.T.: 19.356 min
Delta R.T.: 0.016 min
Response: 2772361
Conc: 19.55 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.096 min
Delta R.T.: 0.018 min
Response: 2558021
Conc: 18.53 ug/ml m



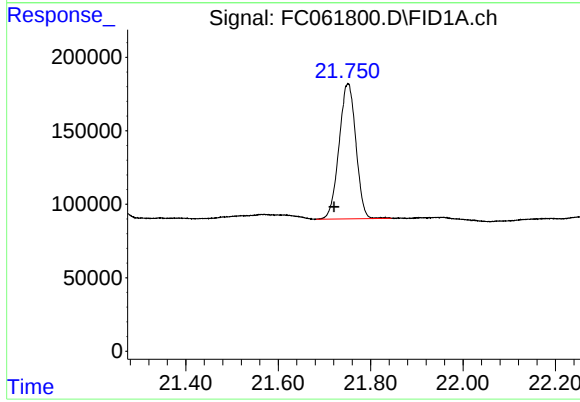
#21 n-Octatriacontane (C38)

R.T.: 20.834 min
Delta R.T.: 0.022 min
Response: 2480475
Conc: 19.15 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.751 min
Delta R.T.: 0.029 min
Response: 2327527
Conc: 19.05 ug/ml