

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC020625AL\
 Data File : FC068221.D
 Signal(s) : FID1A.ch
 Acq On : 06 Feb 2025 22:48
 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 02/07/2025
 Supervised By :Ankita Jodhani 02/07/2025

Integration File: autoint1.e
 Quant Time: Feb 07 00:36:09 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 04:31:18 2025
 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)	11.407	3183669	20.373 ug/ml
Spiked Amount 50.000		Recovery =	40.75%
12) S 1-chlorooctadecane (S...	12.849	2367478	20.586 ug/mlm
Spiked Amount 50.000		Recovery =	41.17%
Target Compounds			
1) T n-Nonane (C9)	3.211	2968747	21.680 ug/ml
2) T n-Decane (C10)	4.269	3009267	21.676 ug/ml
3) T A~Naphthalene (C11.7)	5.837	3290785	21.920 ug/ml
4) T n-Dodecane (C12)	6.278	2988190	21.390 ug/ml
5) T A~2-methylnaphthalene...	6.890	3108211	21.640 ug/ml
6) T n-Tetradecane (C14)	8.067	2885642	21.144 ug/ml
7) T n-Hexadecane (C16)	9.663	2912419	20.960 ug/ml
8) T n-Octadecane (C18)	11.102	2902013	20.741 ug/ml
10) T n-Eicosane (C20)	12.408	2752423	20.571 ug/ml
11) T n-Heneicosane (C21)	13.019	2683325	20.430 ug/ml
13) T n-Docosane (C22)	13.603	2659655	20.532 ug/mlm
14) T n-Tetracosane (C24)	14.704	2617969	20.391 ug/ml
15) T n-Hexacosane (C26)	15.722	2584219	20.536 ug/ml
16) T n-Octacosane (C28)	16.671	2545988	20.356 ug/ml
17) T n-Tricontane (C30)	17.558	2595196	20.078 ug/ml
18) T n-Dotriacontane (C32)	18.388	2520710	20.164 ug/ml
19) T n-Tetratriacontane (C34)	19.171	2235975	20.613 ug/ml
20) T n-Hexatriacontane (C36)	19.910	1946704	21.036 ug/ml
21) T n-Octatriacontane (C38)	20.621	1854679	21.645 ug/ml
22) T n-Tetracontane (C40)	21.479	1876344	23.205 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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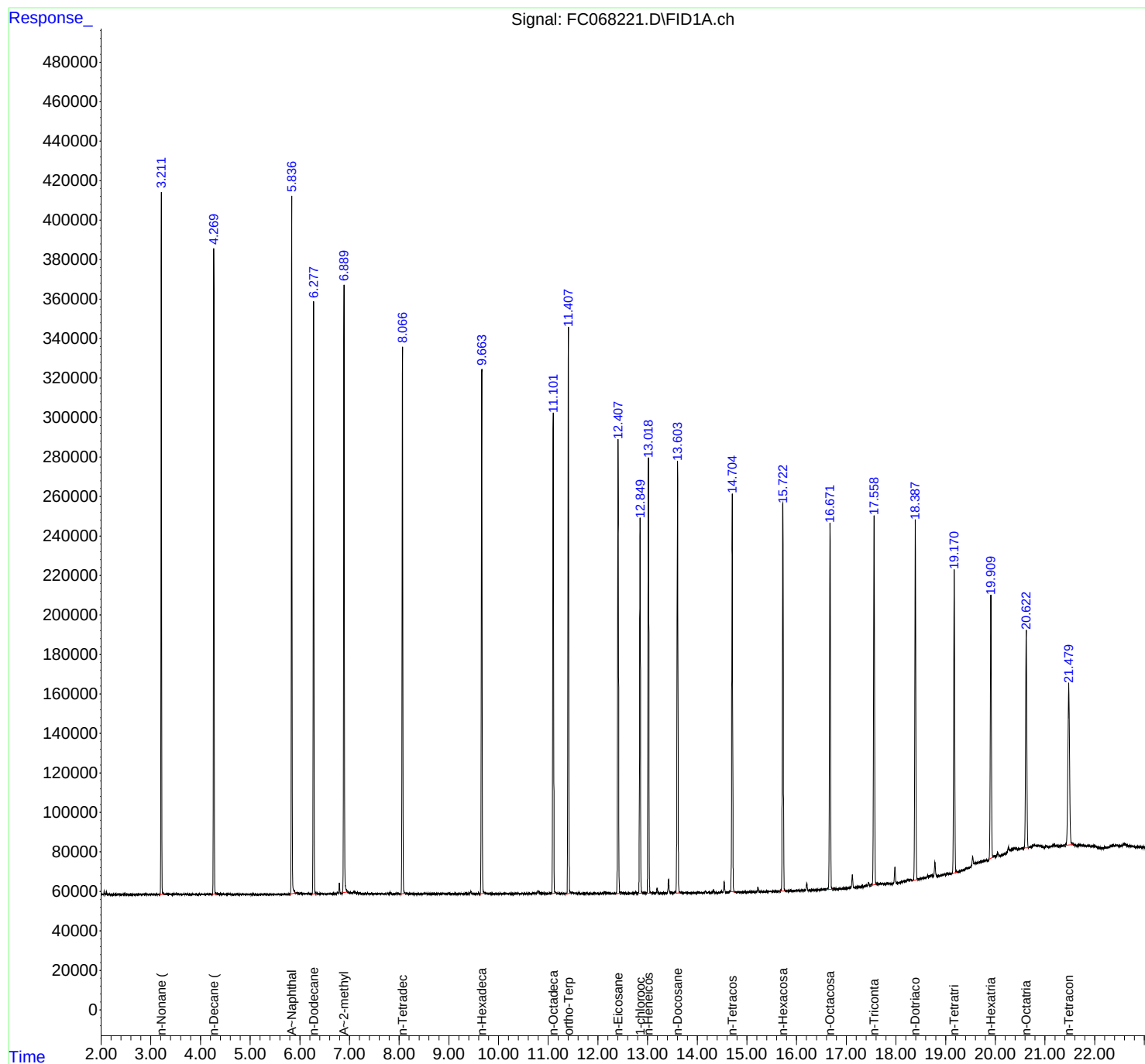
Instrument :
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20 PPM ALIPHATIC HC STD

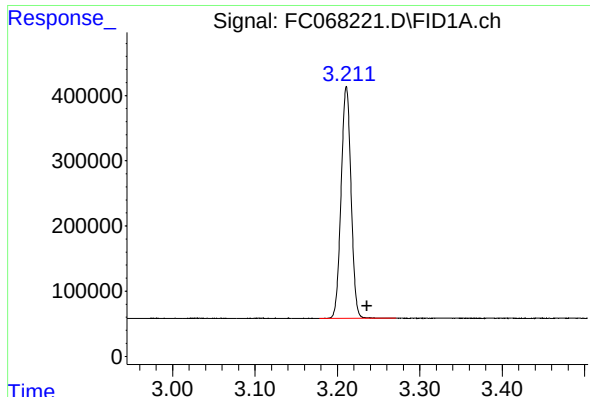
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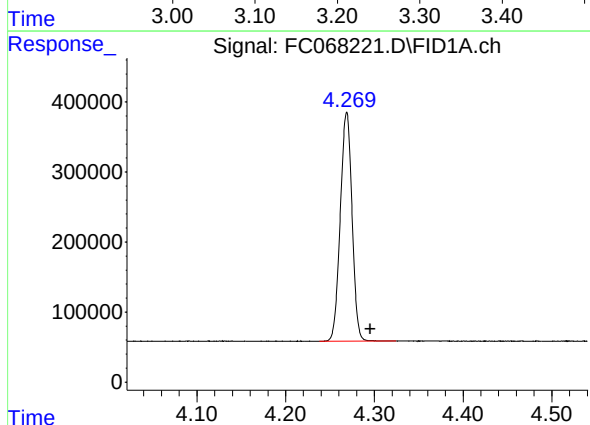
#1 n-Nonane (C9)

R.T.: 3.211 min
Delta R.T.: -0.025 min
Response: 2968747
Conc: 21.68 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

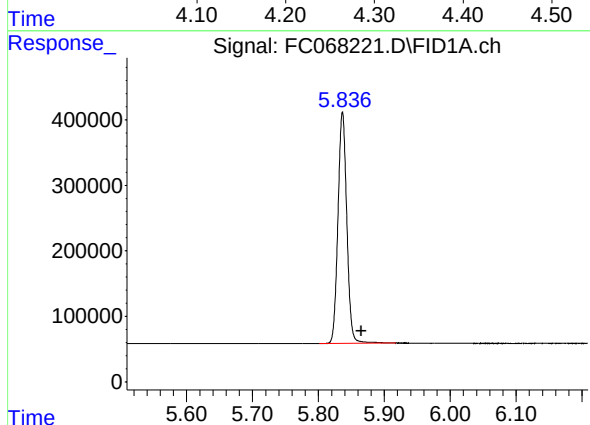
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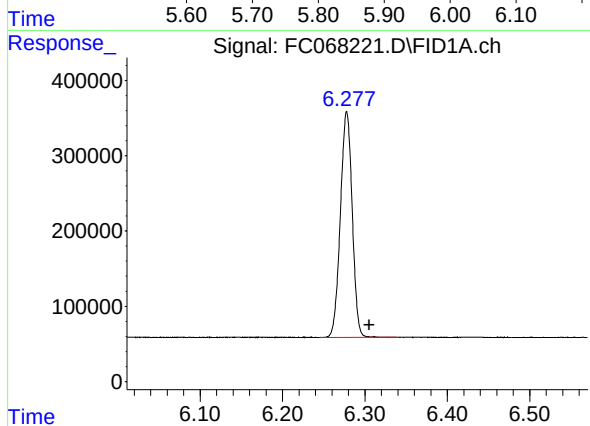
#2 n-Decane (C10)

R.T.: 4.269 min
Delta R.T.: -0.027 min
Response: 3009267
Conc: 21.68 ug/ml



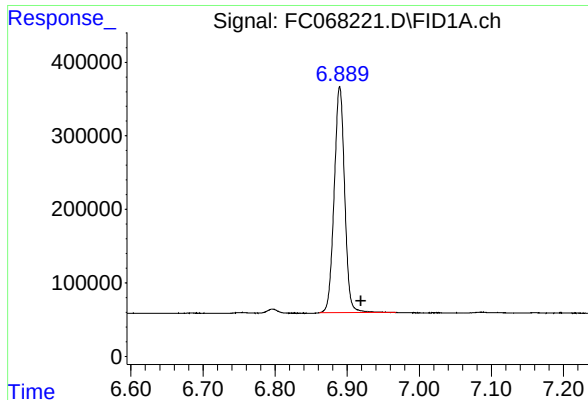
#3 A~Naphthalene (C11.7)

R.T.: 5.837 min
Delta R.T.: -0.028 min
Response: 3290785
Conc: 21.92 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.278 min
Delta R.T.: -0.028 min
Response: 2988190
Conc: 21.39 ug/ml



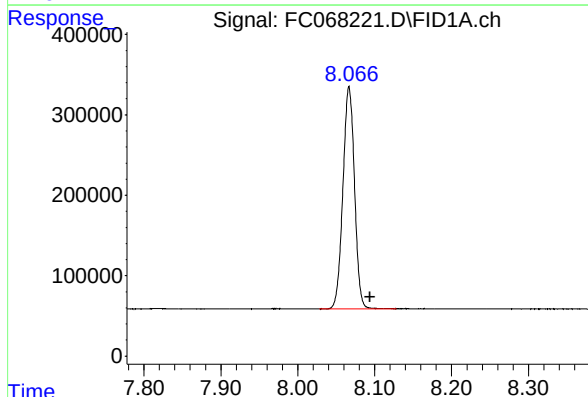
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.890 min
Delta R.T.: -0.030 min
Response: 3108211
Conc: 21.64 ug/ml

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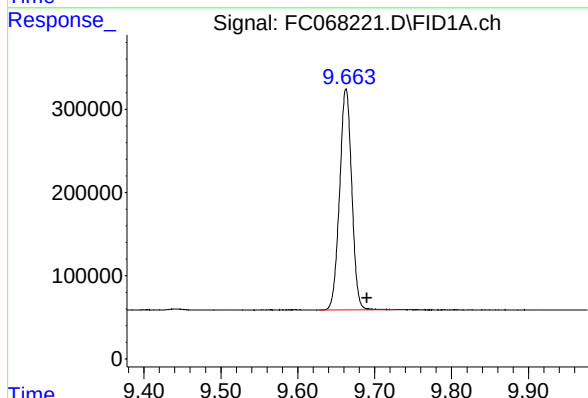
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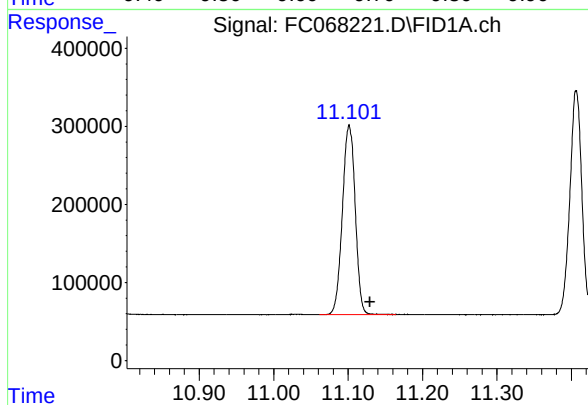
#6 n-Tetradecane (C14)

R.T.: 8.067 min
Delta R.T.: -0.027 min
Response: 2885642
Conc: 21.14 ug/ml



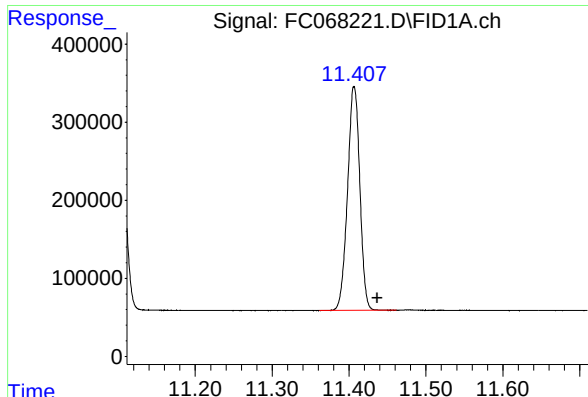
#7 n-Hexadecane (C16)

R.T.: 9.663 min
Delta R.T.: -0.027 min
Response: 2912419
Conc: 20.96 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.102 min
Delta R.T.: -0.028 min
Response: 2902013
Conc: 20.74 ug/ml



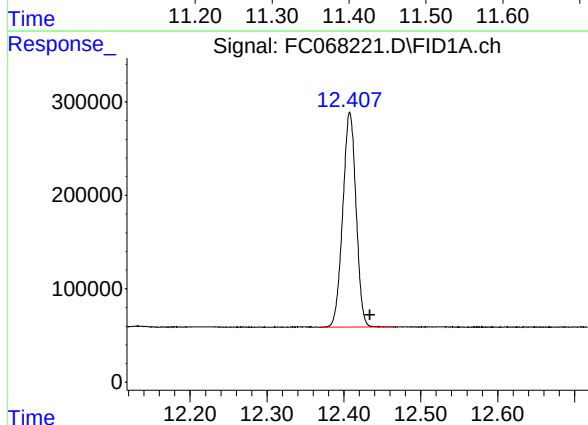
#9 ortho-Terphenyl (SURR)

R.T.: 11.407 min
Delta R.T.: -0.030 min
Response: 3183669
Conc: 20.37 ug/ml

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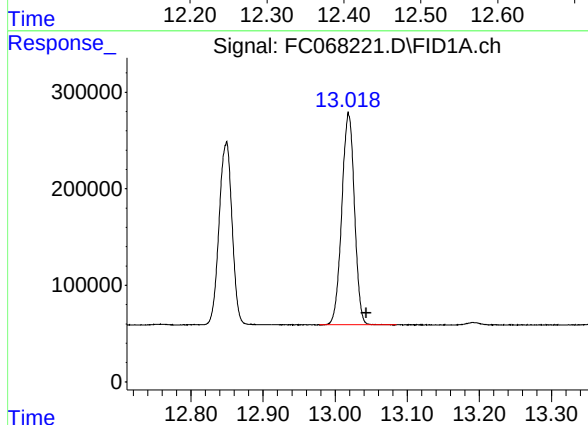
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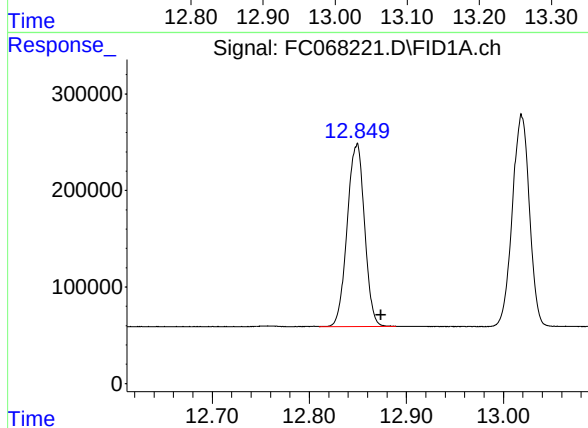
#10 n-Eicosane (C20)

R.T.: 12.408 min
Delta R.T.: -0.026 min
Response: 2752423
Conc: 20.57 ug/ml



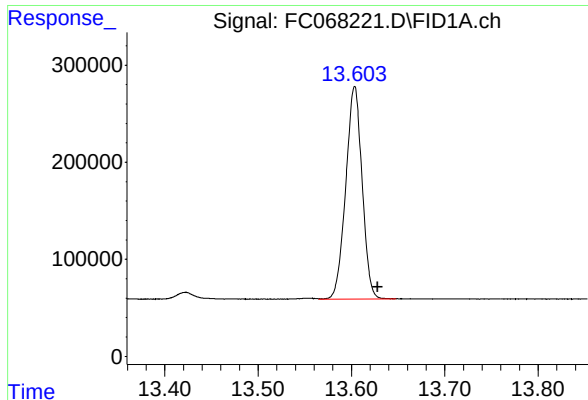
#11 n-Heneicosane (C21)

R.T.: 13.019 min
Delta R.T.: -0.025 min
Response: 2683325
Conc: 20.43 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.849 min
Delta R.T.: -0.024 min
Response: 2367478
Conc: 20.59 ug/ml m



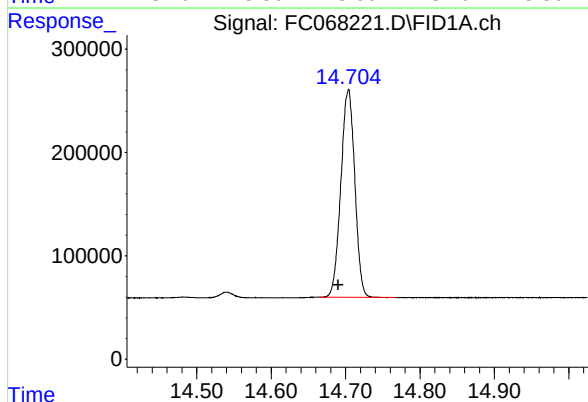
#13 n-Docosane (C22)

R.T.: 13.603 min
Delta R.T.: -0.025 min
Response: 2659655
Conc: 20.53 ug/ml

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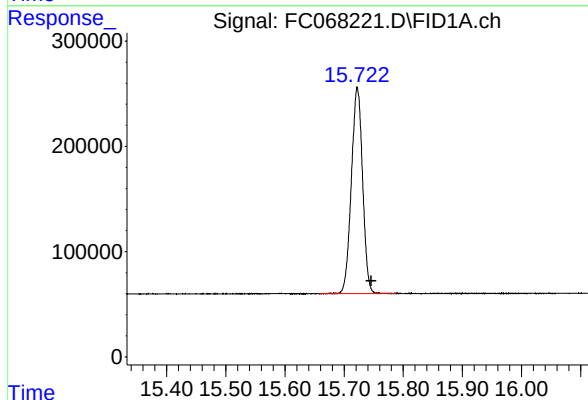
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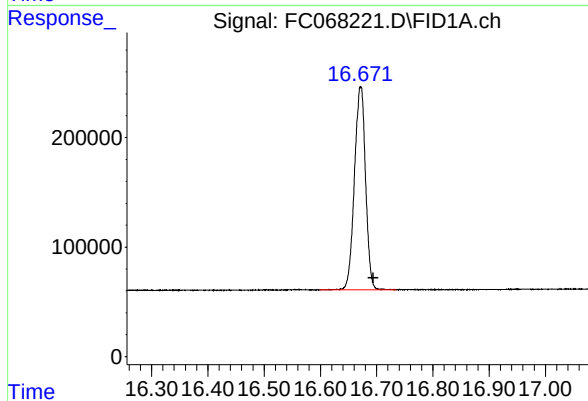
#14 n-Tetracosane (C24)

R.T.: 14.704 min
Delta R.T.: 0.014 min
Response: 2617969
Conc: 20.39 ug/ml



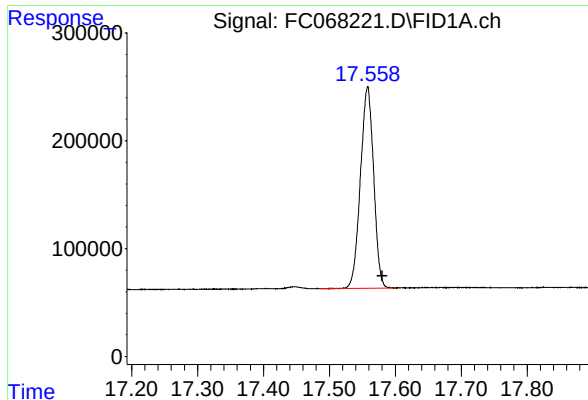
#15 n-Hexacosane (C26)

R.T.: 15.722 min
Delta R.T.: -0.024 min
Response: 2584219
Conc: 20.54 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.671 min
Delta R.T.: -0.022 min
Response: 2545988
Conc: 20.36 ug/ml



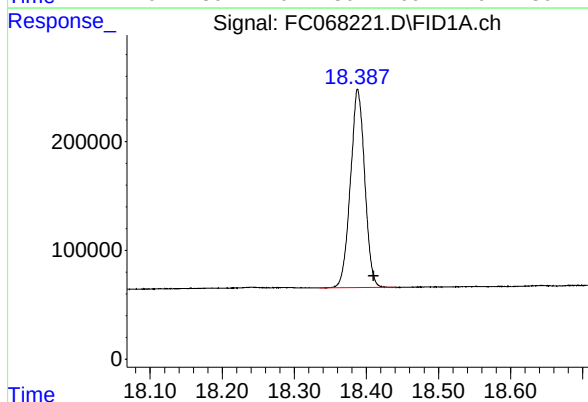
#17 n-Tricontane (C30)

R.T.: 17.558 min
Delta R.T.: -0.023 min
Response: 2595196
Conc: 20.08 ug/ml

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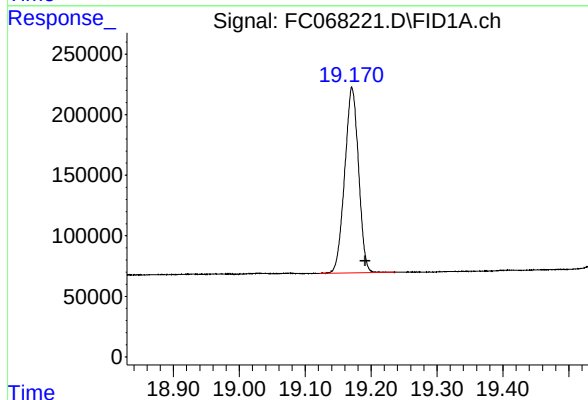
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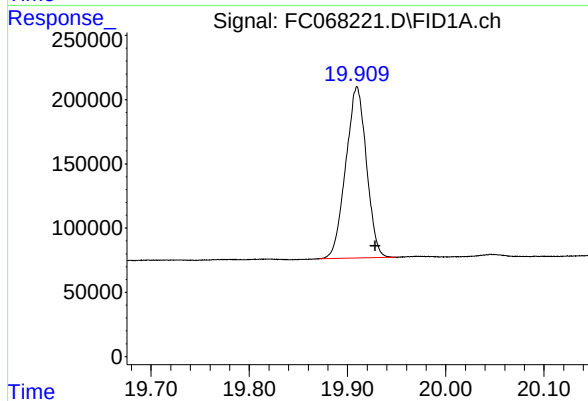
#18 n-Dotriacontane (C32)

R.T.: 18.388 min
Delta R.T.: -0.022 min
Response: 2520710
Conc: 20.16 ug/ml



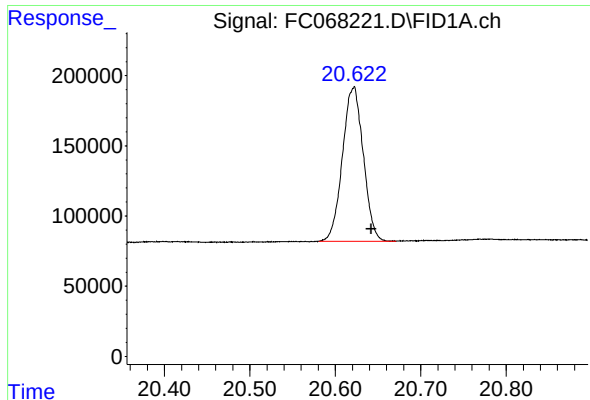
#19 n-Tetratriacontane (C34)

R.T.: 19.171 min
Delta R.T.: -0.020 min
Response: 2235975
Conc: 20.61 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.910 min
Delta R.T.: -0.019 min
Response: 1946704
Conc: 21.04 ug/ml



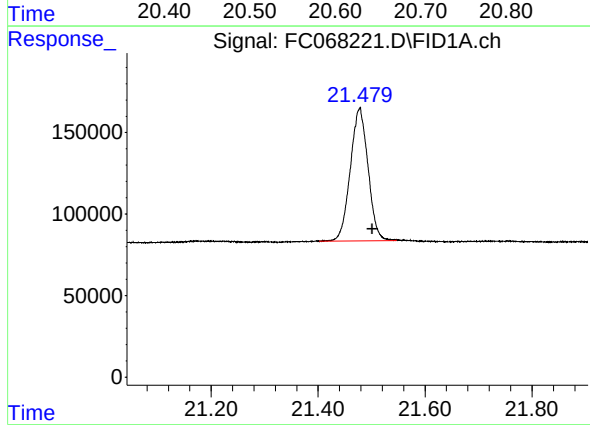
#21 n-Octatriacontane (C38)

R.T.: 20.621 min
Delta R.T.: -0.021 min
Response: 1854679
Conc: 21.64 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.479 min
Delta R.T.: -0.023 min
Response: 1876344
Conc: 23.20 ug/ml m