

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102425AL\
 Data File : FC070027.D
 Signal(s) : FID1A.ch
 Acq On : 24 Oct 2025 11:53
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/27/2025
 Supervised By :mohammad ahmed 10/29/2025

Integration File: sample.E
 Quant Time: Oct 25 00:17:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 09:35:40 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)	11.640	3336658	19.001 ug/ml
Spiked Amount 50.000		Recovery =	38.00%
12) S 1-chlorooctadecane (S...	13.074	2523833	18.593 ug/ml
Spiked Amount 50.000		Recovery =	37.19%
Target Compounds			
1) T n-Nonane (C9)	3.378	2587988	18.847 ug/ml
2) T n-Decane (C10)	4.450	2762000	19.212 ug/ml
3) T A~Naphthalene (C11.7)	6.044	3014529	18.652 ug/ml
4) T n-Dodecane (C12)	6.473	2948939	19.239 ug/ml
5) T A~2-methylnaphthalene...	7.102	2949645	18.487 ug/ml
6) T n-Tetradecane (C14)	8.271	3067838	19.289 ug/ml
7) T n-Hexadecane (C16)	9.874	3232947	19.184 ug/ml
8) T n-Octadecane (C18)	11.317	3255821	19.137 ug/ml
10) T n-Eicosane (C20)	12.627	3053337	19.032 ug/ml
11) T n-Heneicosane (C21)	13.240	2949251	18.994 ug/ml
13) T n-Docosane (C22)	13.827	2903543	18.867 ug/ml
14) T n-Tetracosane (C24)	14.932	2835421	18.700 ug/ml
15) T n-Hexacosane (C26)	15.953	2694333	18.615 ug/ml
16) T n-Octacosane (C28)	16.904	2640951	19.095 ug/ml
17) T n-Tricontane (C30)	17.793	2756095	20.186 ug/ml
18) T n-Dotriacontane (C32)	18.626	2725446	21.138 ug/mlm
19) T n-Tetratriacontane (C34)	19.411	2432593	21.320 ug/ml
20) T n-Hexatriacontane (C36)	20.150	2013498	20.820 ug/mlm
21) T n-Octatriacontane (C38)	20.910	1742909	19.997 ug/mlm
22) T n-Tetracontane (C40)	21.857	1600867	19.484 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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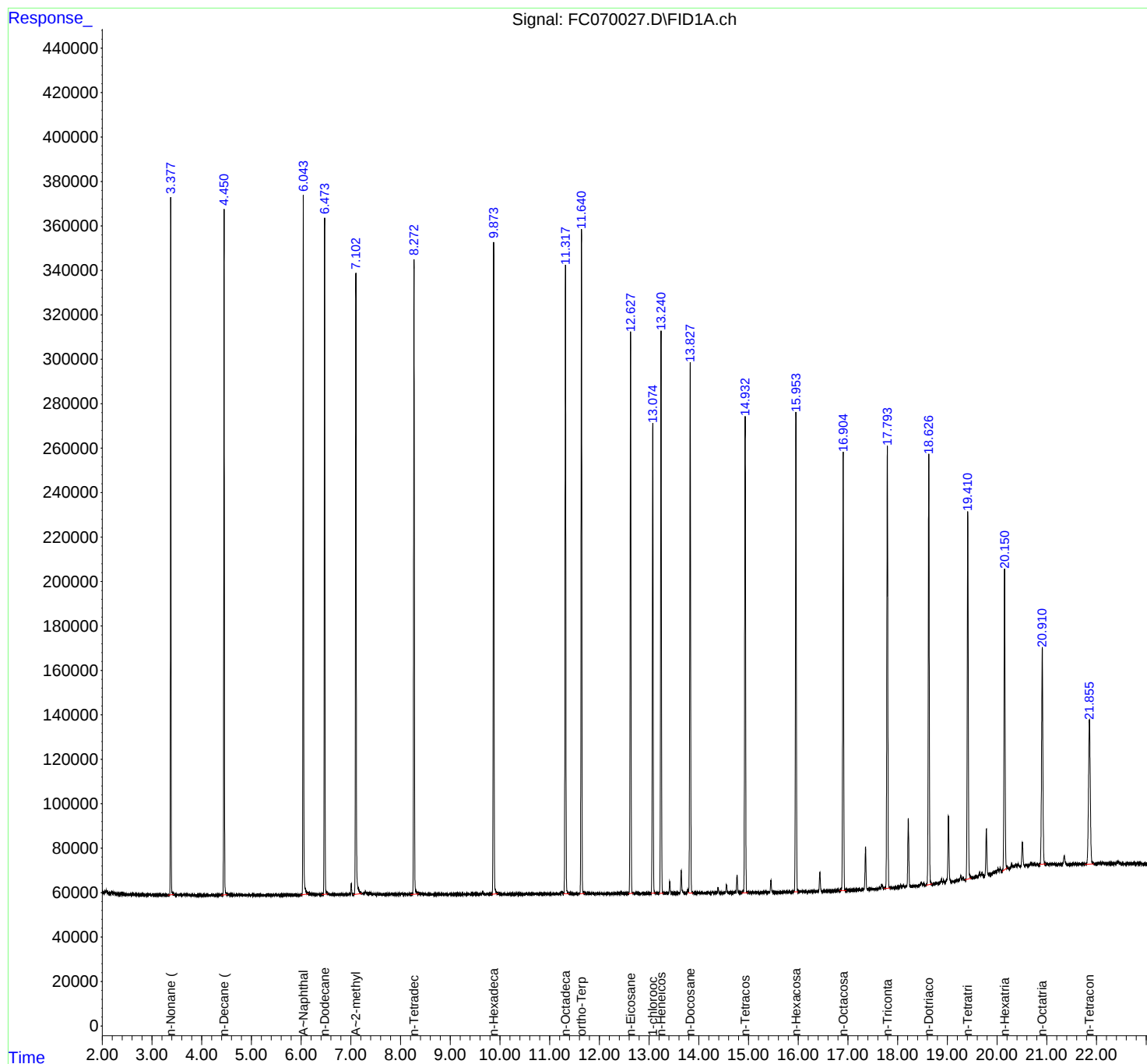
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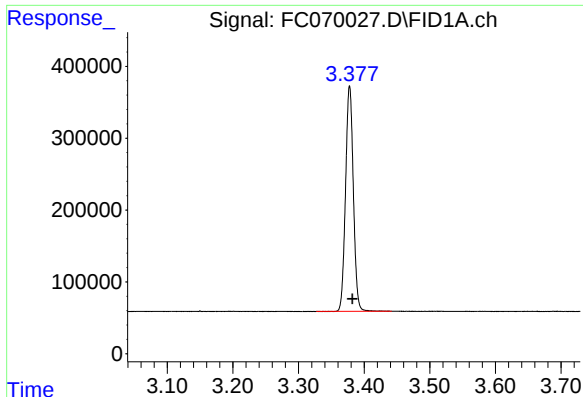
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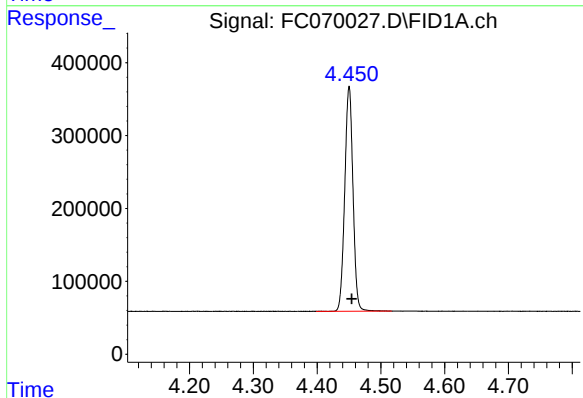
#1 n-Nonane (C9)

R.T.: 3.378 min
Delta R.T.: -0.004 min
Response: 2587988
Conc: 18.85 ug/ml

Instrument :
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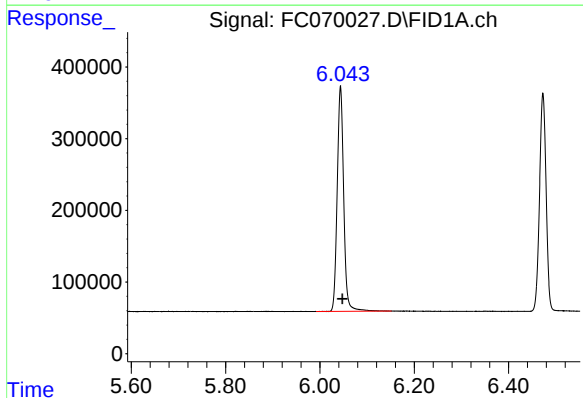
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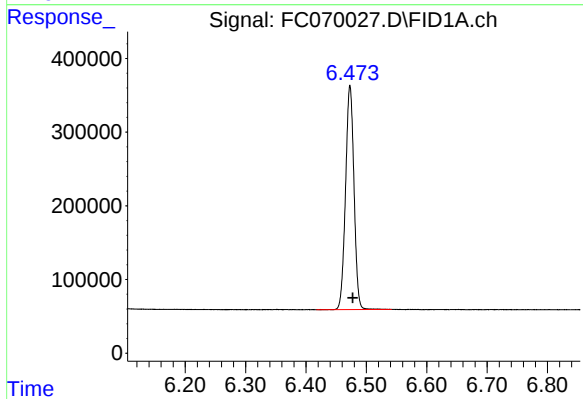
#2 n-Decane (C10)

R.T.: 4.450 min
Delta R.T.: -0.004 min
Response: 2762000
Conc: 19.21 ug/ml



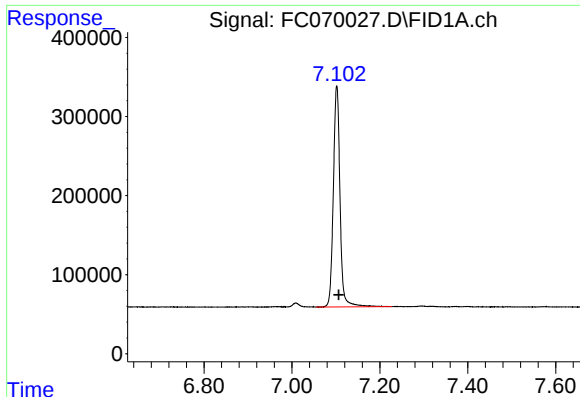
#3 A~Naphthalene (C11.7)

R.T.: 6.044 min
Delta R.T.: -0.004 min
Response: 3014529
Conc: 18.65 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.473 min
Delta R.T.: -0.004 min
Response: 2948939
Conc: 19.24 ug/ml



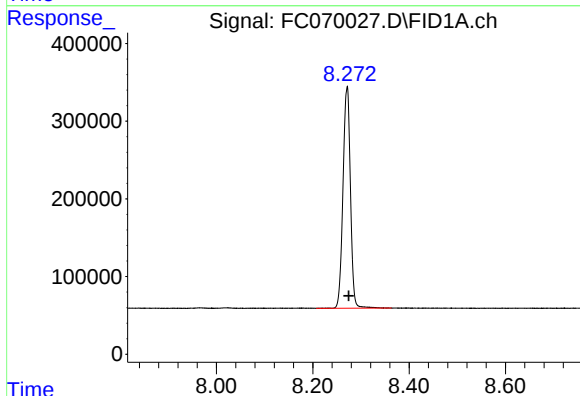
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.102 min
Delta R.T.: -0.004 min
Response: 2949645
Conc: 18.49 ug/ml

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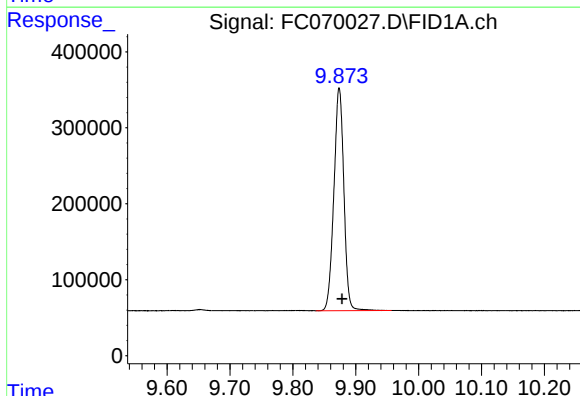
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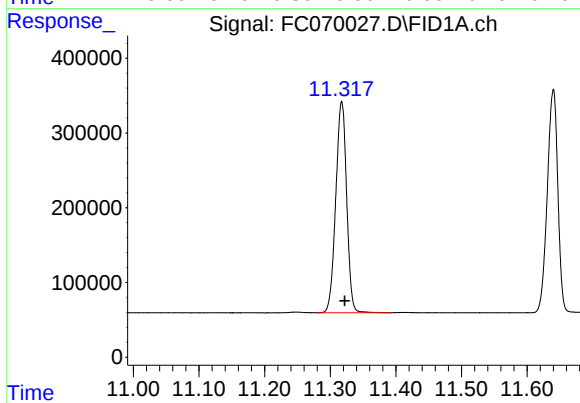
#6 n-Tetradecane (C14)

R.T.: 8.271 min
Delta R.T.: -0.004 min
Response: 3067838
Conc: 19.29 ug/ml



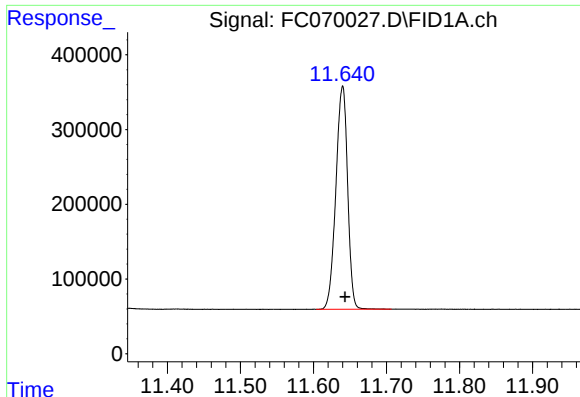
#7 n-Hexadecane (C16)

R.T.: 9.874 min
Delta R.T.: -0.005 min
Response: 3232947
Conc: 19.18 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.317 min
Delta R.T.: -0.005 min
Response: 3255821
Conc: 19.14 ug/ml



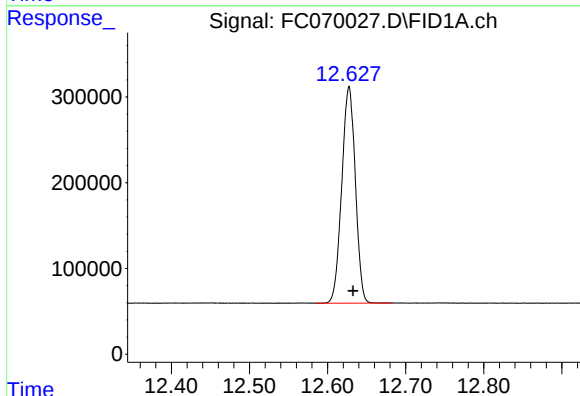
#9 ortho-Terphenyl (SURR)

R.T.: 11.640 min
Delta R.T.: -0.004 min
Response: 3336658
Conc: 19.00 ug/ml

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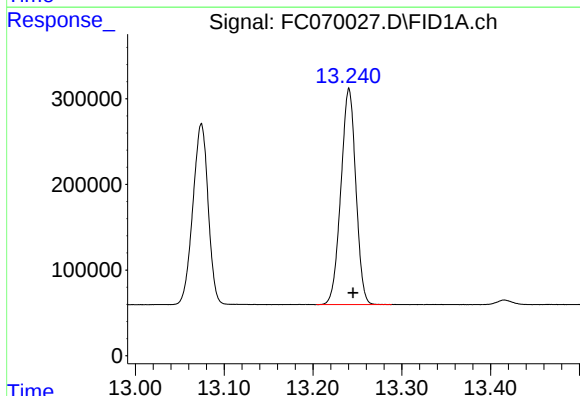
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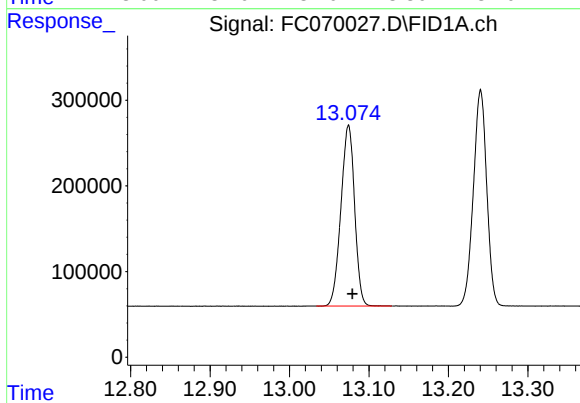
#10 n-Eicosane (C20)

R.T.: 12.627 min
Delta R.T.: -0.005 min
Response: 3053337
Conc: 19.03 ug/ml



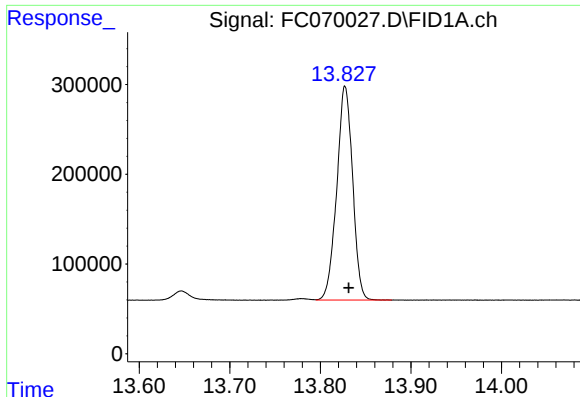
#11 n-Heneicosane (C21)

R.T.: 13.240 min
Delta R.T.: -0.005 min
Response: 2949251
Conc: 18.99 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.074 min
Delta R.T.: -0.005 min
Response: 2523833
Conc: 18.59 ug/ml



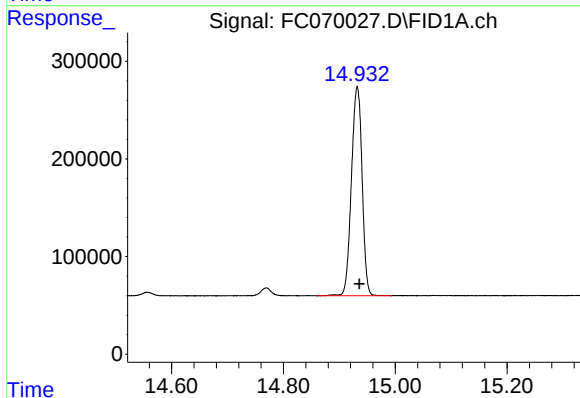
#13 n-Docosane (C22)

R.T.: 13.827 min
Delta R.T.: -0.004 min
Response: 2903543
Conc: 18.87 ug/ml

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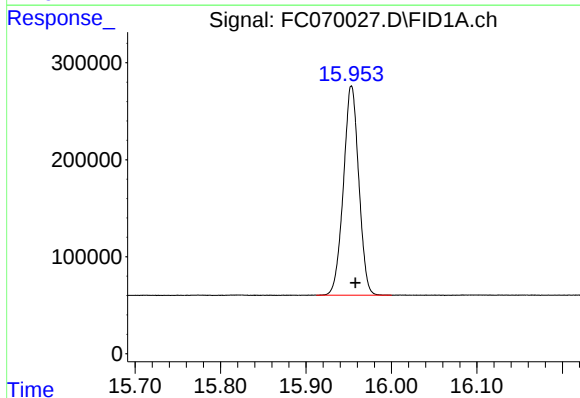
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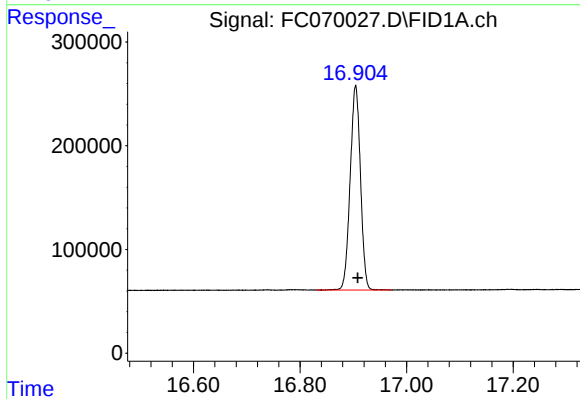
#14 n-Tetracosane (C24)

R.T.: 14.932 min
Delta R.T.: -0.004 min
Response: 2835421
Conc: 18.70 ug/ml



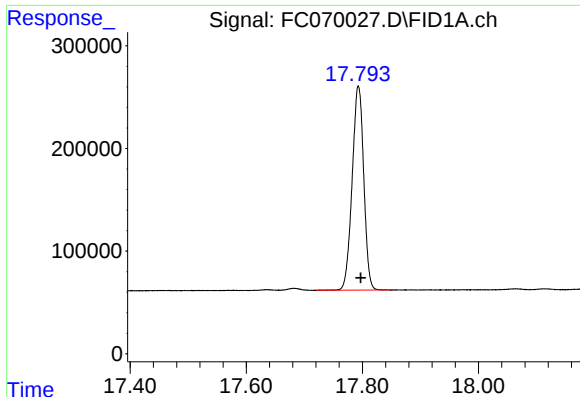
#15 n-Hexacosane (C26)

R.T.: 15.953 min
Delta R.T.: -0.005 min
Response: 2694333
Conc: 18.61 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.904 min
Delta R.T.: -0.004 min
Response: 2640951
Conc: 19.10 ug/ml



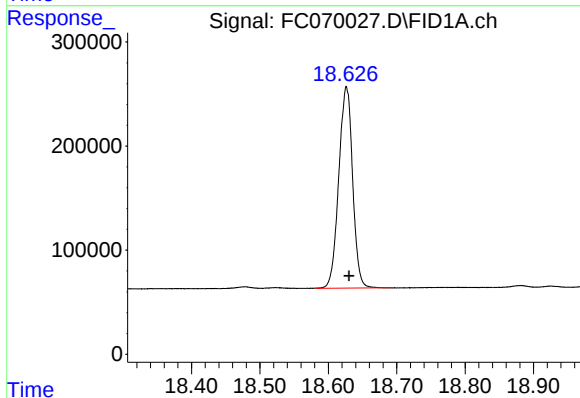
#17 n-Tricontane (C30)

R.T.: 17.793 min
Delta R.T.: -0.004 min
Response: 2756095
Conc: 20.19 ug/ml

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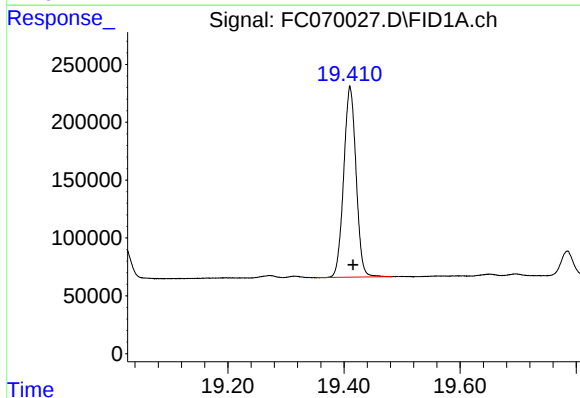
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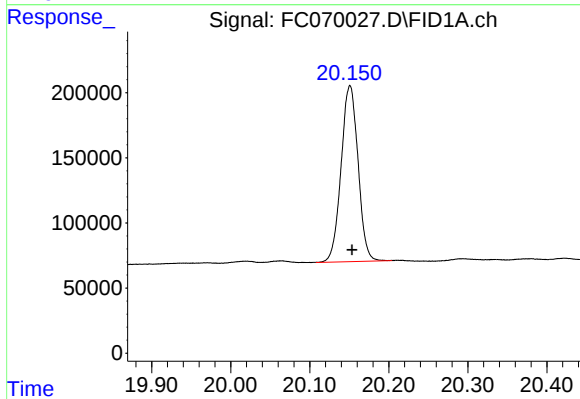
#18 n-Dotriacontane (C32)

R.T.: 18.626 min
Delta R.T.: -0.004 min
Response: 2725446
Conc: 21.14 ug/ml m



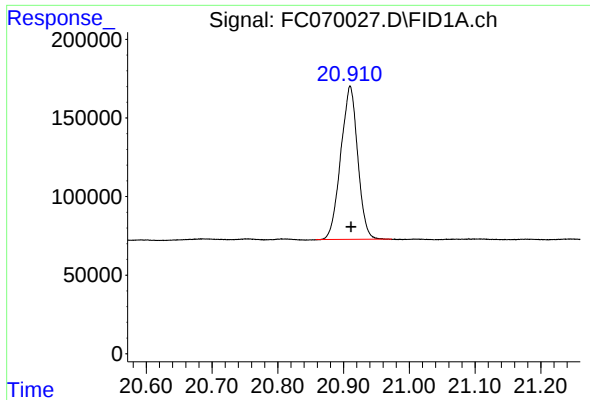
#19 n-Tetratriacontane (C34)

R.T.: 19.411 min
Delta R.T.: -0.005 min
Response: 2432593
Conc: 21.32 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.150 min
Delta R.T.: -0.003 min
Response: 2013498
Conc: 20.82 ug/ml m



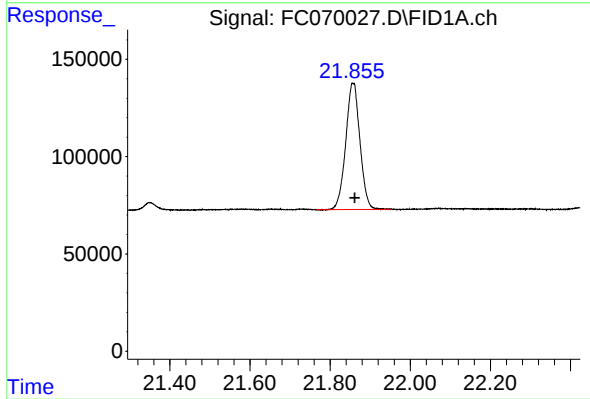
#21 n-Octatriacontane (C38)

R.T.: 20.910 min
Delta R.T.: -0.002 min
Response: 1742909
Conc: 20.00 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.857 min
Delta R.T.: -0.004 min
Response: 1600867
Conc: 19.48 ug/ml