

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061325AL\
 Data File : FC069218.D
 Signal(s) : FID1A.ch
 Acq On : 13 Jun 2025 21:20
 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 06/16/2025
 Supervised By :mohammad ahmed 06/17/2025

Integration File: autoint1.e
 Quant Time: Jun 13 23:10:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 01:48:55 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)	11.679	2572844	20.859 ug/ml
Spiked Amount 50.000		Recovery =	41.72%
12) S 1-chlorooctadecane (S...	13.115	1890739	21.075 ug/ml
Spiked Amount 50.000		Recovery =	42.15%
Target Compounds			
1) T n-Nonane (C9)	3.405	2188162	20.619 ug/ml
2) T n-Decane (C10)	4.480	2218111	20.944 ug/ml
3) T A~Naphthalene (C11.7)	6.076	2411789	20.857 ug/ml
4) T n-Dodecane (C12)	6.507	2173587	20.677 ug/ml
5) T A~2-methylnaphthalene...	7.136	2366815	20.877 ug/ml
6) T n-Tetradecane (C14)	8.307	2115916	20.642 ug/ml
7) T n-Hexadecane (C16)	9.912	2106196	20.757 ug/ml
8) T n-Octadecane (C18)	11.357	2072581	20.737 ug/ml
10) T n-Eicosane (C20)	12.669	2037395	20.918 ug/ml
11) T n-Heneicosane (C21)	13.282	2005427	20.835 ug/ml
13) T n-Docosane (C22)	13.869	2018150	21.184 ug/ml
14) T n-Tetracosane (C24)	14.974	2046554	21.737 ug/ml
15) T n-Hexacosane (C26)	15.997	2056266	22.148 ug/ml
16) T n-Octacosane (C28)	16.949	2102770	22.622 ug/mlm
17) T n-Tricontane (C30)	17.839	2253835	23.294 ug/ml
18) T n-Dotriacontane (C32)	18.675	2316101	23.372 ug/ml
19) T n-Tetratriacontane (C34)	19.458	2127379	22.073 ug/ml
20) T n-Hexatriacontane (C36)	20.201	2027700	21.360 ug/ml
21) T n-Octatriacontane (C38)	20.970	1905522	20.886 ug/ml
22) T n-Tetracontane (C40)	21.938	1807447	20.484 ug/mlm

(f)=RT Delta > 1/2 Window

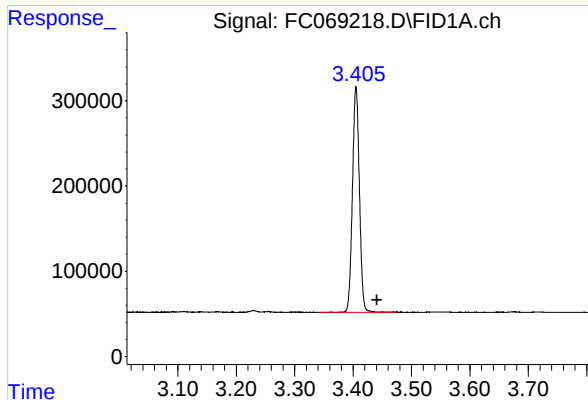
(m)=manual int.

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Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um





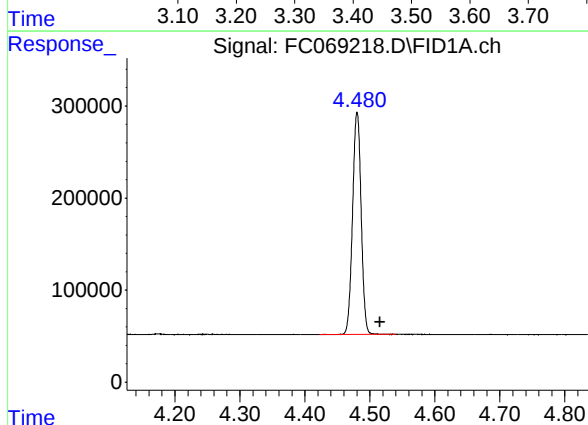
#1 n-Nonane (C9)

R.T.: 3.405 min
Delta R.T.: -0.036 min
Response: 2188162
Conc: 20.62 ug/ml

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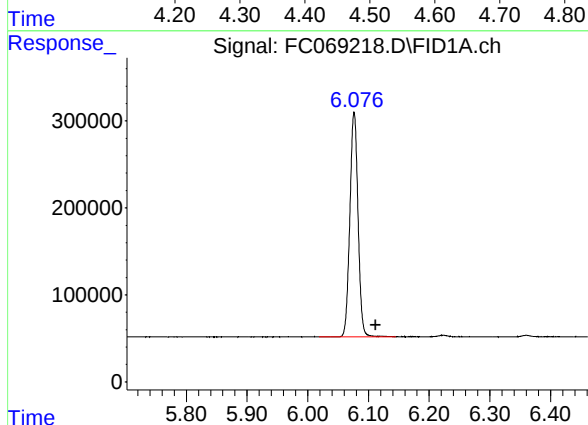
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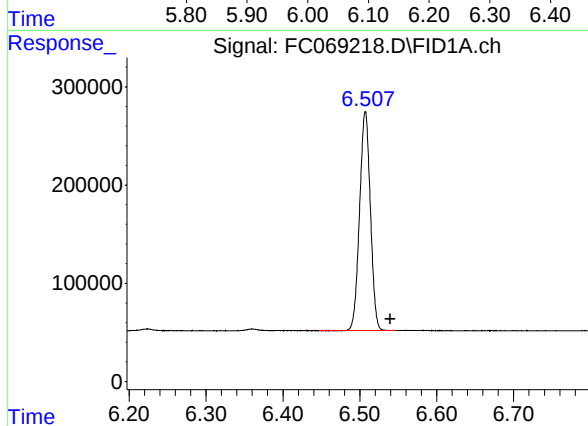
#2 n-Decane (C10)

R.T.: 4.480 min
Delta R.T.: -0.035 min
Response: 2218111
Conc: 20.94 ug/ml



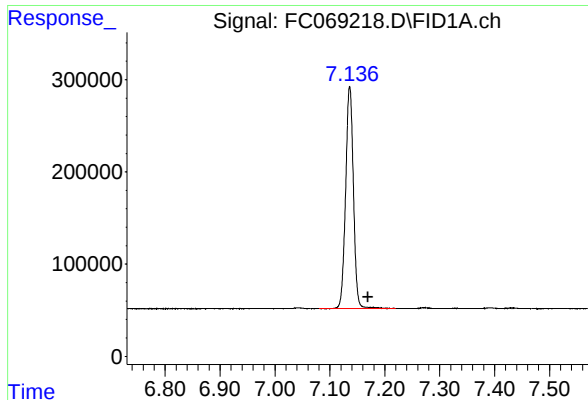
#3 A~Naphthalene (C11.7)

R.T.: 6.076 min
Delta R.T.: -0.035 min
Response: 2411789
Conc: 20.86 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.507 min
Delta R.T.: -0.033 min
Response: 2173587
Conc: 20.68 ug/ml



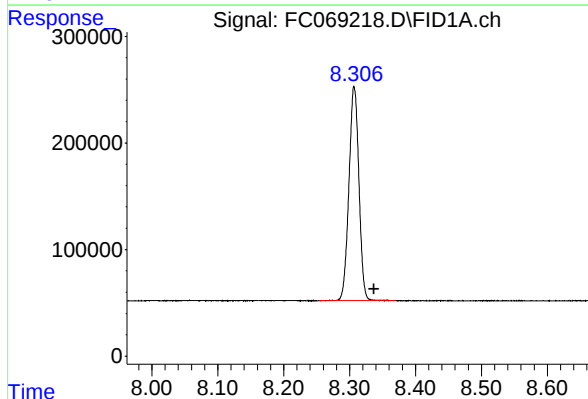
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.136 min
Delta R.T.: -0.034 min
Response: 2366815
Conc: 20.88 ug/ml

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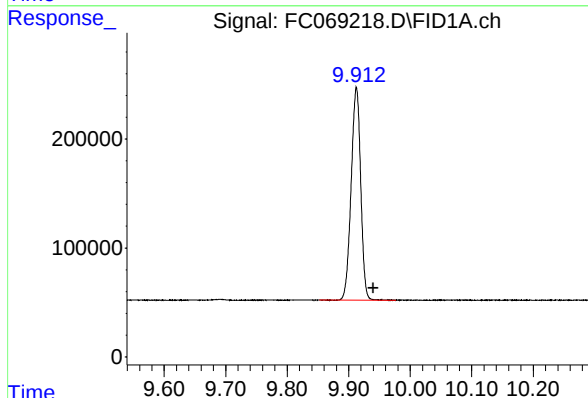
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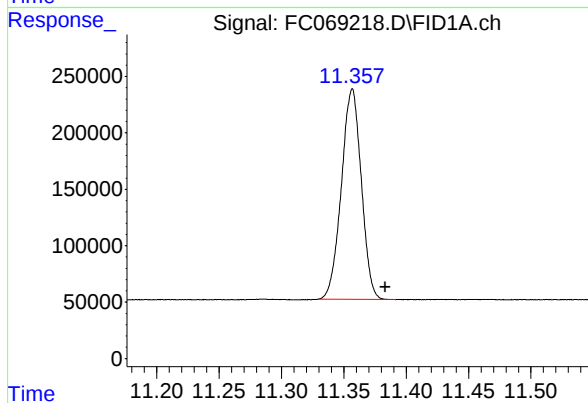
#6 n-Tetradecane (C14)

R.T.: 8.307 min
Delta R.T.: -0.030 min
Response: 2115916
Conc: 20.64 ug/ml



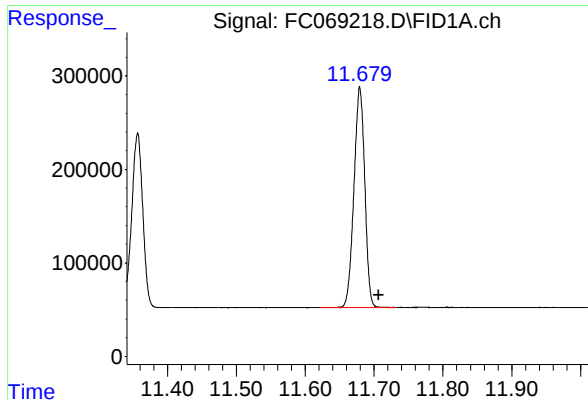
#7 n-Hexadecane (C16)

R.T.: 9.912 min
Delta R.T.: -0.027 min
Response: 2106196
Conc: 20.76 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.357 min
Delta R.T.: -0.027 min
Response: 2072581
Conc: 20.74 ug/ml



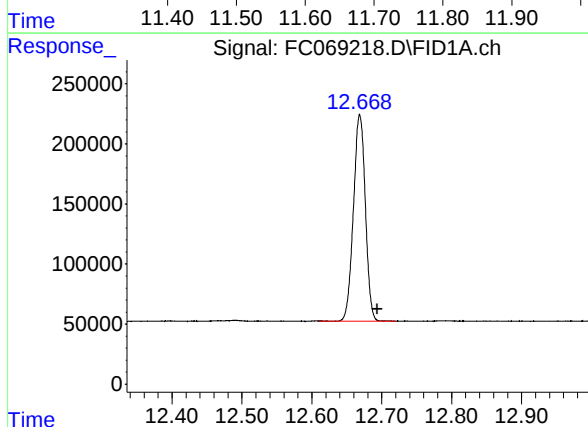
#9 ortho-Terphenyl (SURR)

R.T.: 11.679 min
Delta R.T.: -0.027 min
Response: 2572844
Conc: 20.86 ug/ml

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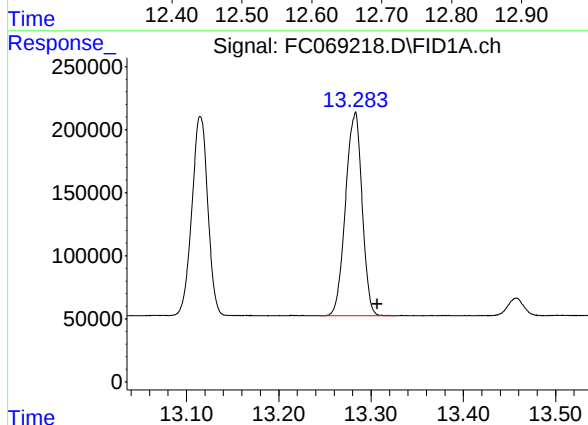
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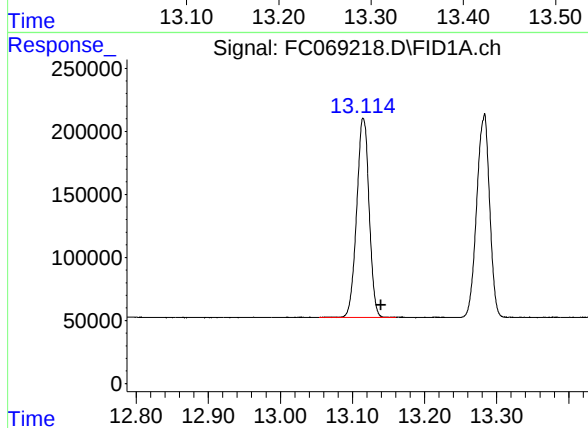
#10 n-Eicosane (C20)

R.T.: 12.669 min
Delta R.T.: -0.025 min
Response: 2037395
Conc: 20.92 ug/ml



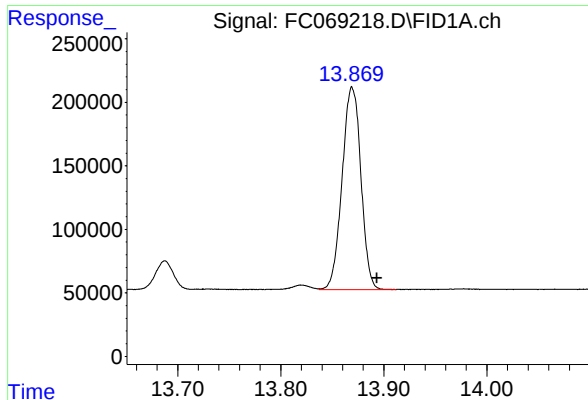
#11 n-Heneicosane (C21)

R.T.: 13.282 min
Delta R.T.: -0.025 min
Response: 2005427
Conc: 20.83 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.115 min
Delta R.T.: -0.024 min
Response: 1890739
Conc: 21.08 ug/ml



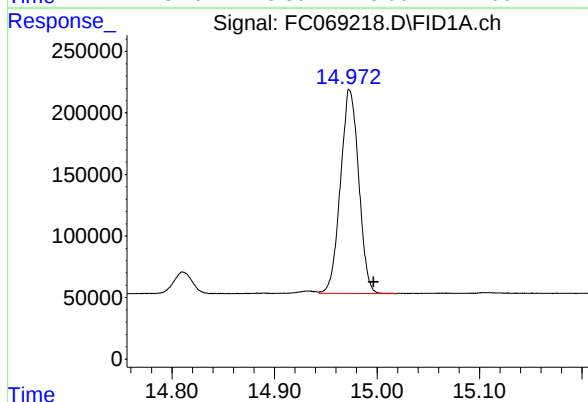
#13 n-Docosane (C22)

R.T.: 13.869 min
Delta R.T.: -0.024 min
Response: 2018150
Conc: 21.18 ug/ml

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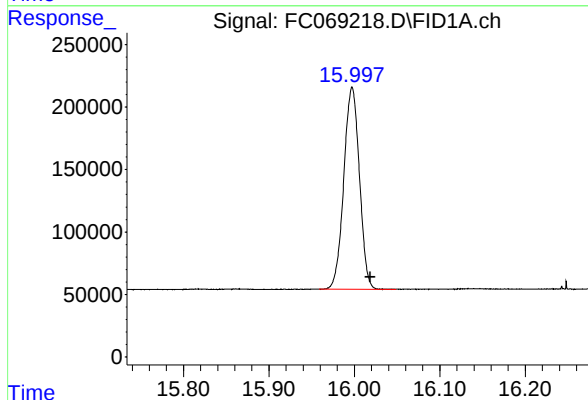
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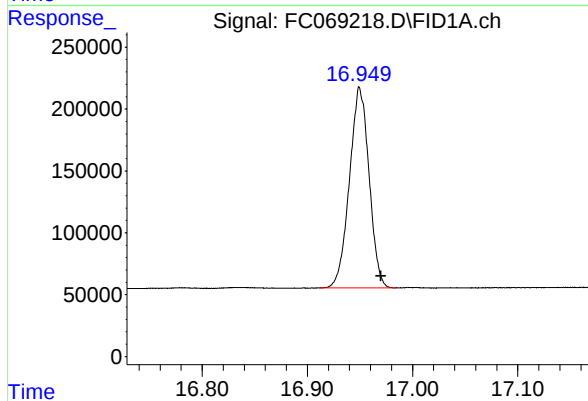
#14 n-Tetracosane (C24)

R.T.: 14.974 min
Delta R.T.: -0.023 min
Response: 2046554
Conc: 21.74 ug/ml



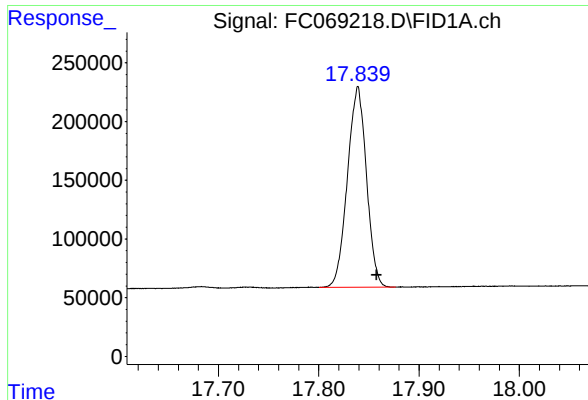
#15 n-Hexacosane (C26)

R.T.: 15.997 min
Delta R.T.: -0.021 min
Response: 2056266
Conc: 22.15 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.949 min
Delta R.T.: -0.021 min
Response: 2102770
Conc: 22.62 ug/ml m



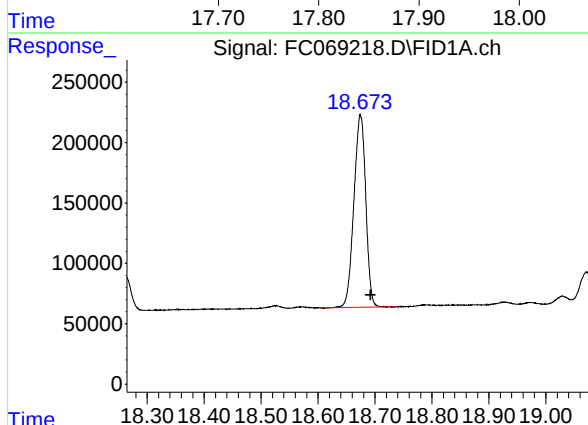
#17 n-Tricontane (C30)

R.T.: 17.839 min
Delta R.T.: -0.019 min
Response: 2253835
Conc: 23.29 ug/ml

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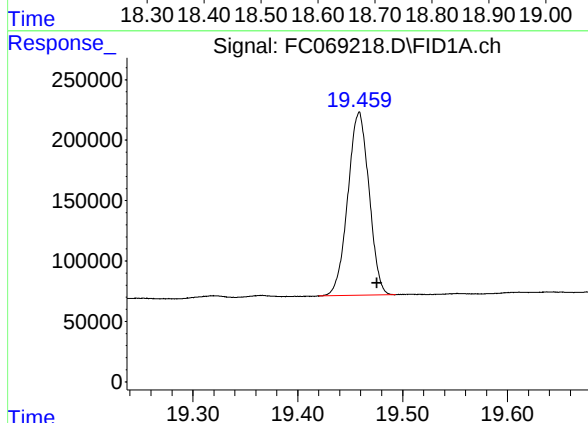
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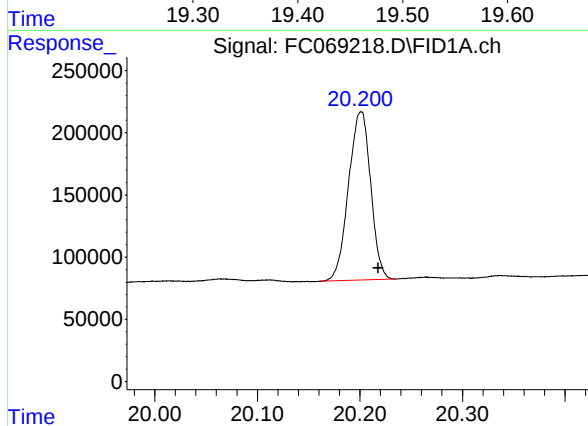
#18 n-Dotriacontane (C32)

R.T.: 18.675 min
Delta R.T.: -0.018 min
Response: 2316101
Conc: 23.37 ug/ml



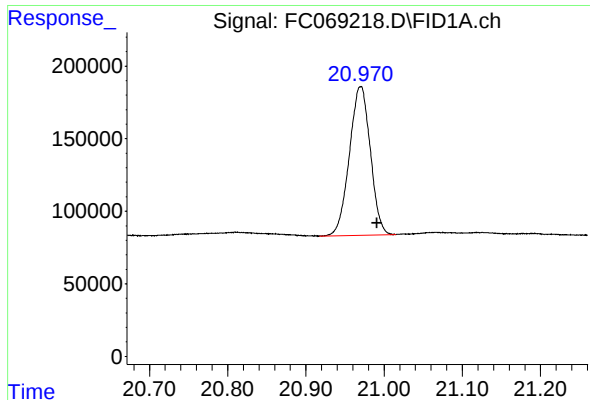
#19 n-Tetratriacontane (C34)

R.T.: 19.458 min
Delta R.T.: -0.017 min
Response: 2127379
Conc: 22.07 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.201 min
Delta R.T.: -0.017 min
Response: 2027700
Conc: 21.36 ug/ml



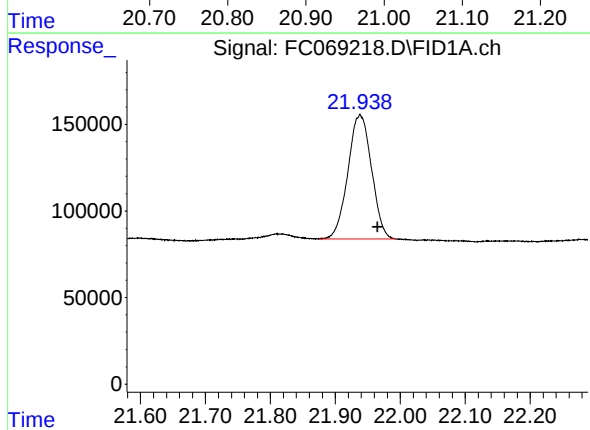
#21 n-Octatriacontane (C38)

R.T.: 20.970 min
Delta R.T.: -0.021 min
Response: 1905522
Conc: 20.89 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.938 min
Delta R.T.: -0.027 min
Response: 1807447
Conc: 20.48 ug/ml m