

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC092724AL\
 Data File : FC067309.D
 Signal(s) : FID1A.ch
 Acq On : 27 Sep 2024 22:17
 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 09/30/2024
 Supervised By :Ankita Jodhani 09/30/2024

Integration File: autoint1.e
 Quant Time: Sep 28 01:58:47 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 091024.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 11 02:55:44 2024
 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)	11.498	2476970	17.789 ug/ml
Spiked Amount 50.000		Recovery =	35.58%
12) S 1-chlorooctadecane (S...	12.936	1754458	17.960 ug/ml
Spiked Amount 50.000		Recovery =	35.92%
Target Compounds			
1) T n-Nonane (C9)	3.274	2312343	17.432 ug/ml
2) T n-Decane (C10)	4.339	2378113	17.706 ug/ml
3) T A~Naphthalene (C11.7)	5.917	2487632	17.503 ug/ml
4) T n-Dodecane (C12)	6.355	2372443	17.724 ug/ml
5) T A~2-methylnaphthalene...	6.972	2334085	17.479 ug/ml
6) T n-Tetradecane (C14)	8.148	2315973	17.971 ug/ml
7) T n-Hexadecane (C16)	9.746	2340646	18.155 ug/ml
8) T n-Octadecane (C18)	11.186	2336876	18.265 ug/ml
10) T n-Eicosane (C20)	12.495	2193450	18.261 ug/ml
11) T n-Heneicosane (C21)	13.105	2141756	18.338 ug/ml
13) T n-Docosane (C22)	13.690	2151905	18.638 ug/ml
14) T n-Tetracosane (C24)	14.791	2257162	19.876 ug/ml
15) T n-Hexacosane (C26)	15.811	2260606	20.397 ug/ml
16) T n-Octacosane (C28)	16.760	2367977	21.922 ug/ml
17) T n-Tricontane (C30)	17.647	2532864	23.286 ug/ml
18) T n-Dotriacontane (C32)	18.478	2460846	23.593 ug/mlm
19) T n-Tetratriacontane (C34)	19.260	2011459	21.802 ug/ml
20) T n-Hexatriacontane (C36)	19.999	1535788	19.380 ug/ml
21) T n-Octatriacontane (C38)	20.724	1240774	16.518 ug/ml
22) T n-Tetracontane (C40)	21.608	986396	14.119 ug/mlm

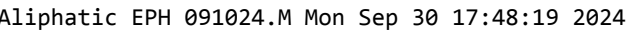
(f)=RT Delta > 1/2 Window

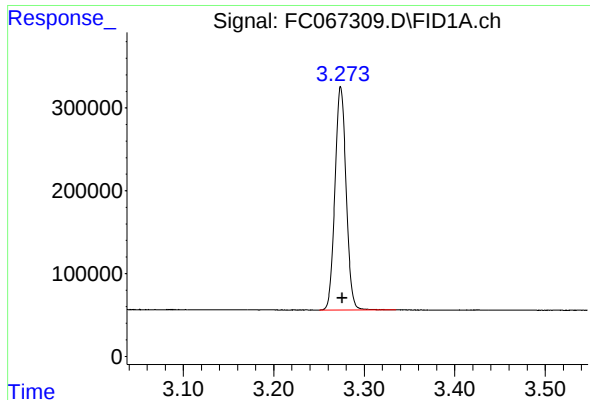
(m)=manual int.

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





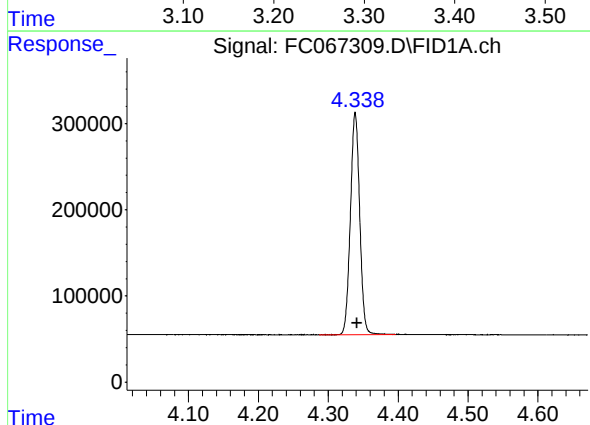
#1 n-Nonane (C9)

R.T.: 3.274 min
Delta R.T.: -0.002 min
Response: 2312343
Conc: 17.43 ug/ml

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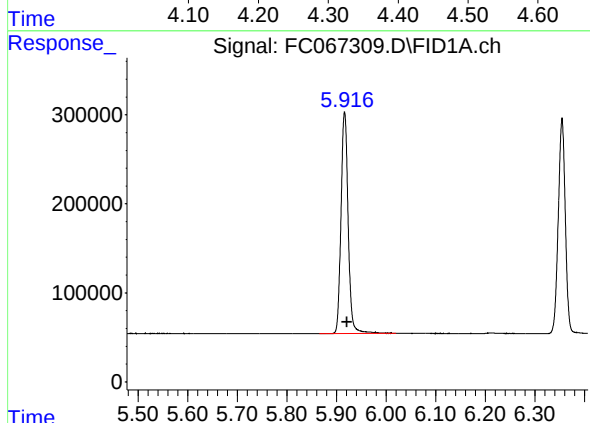
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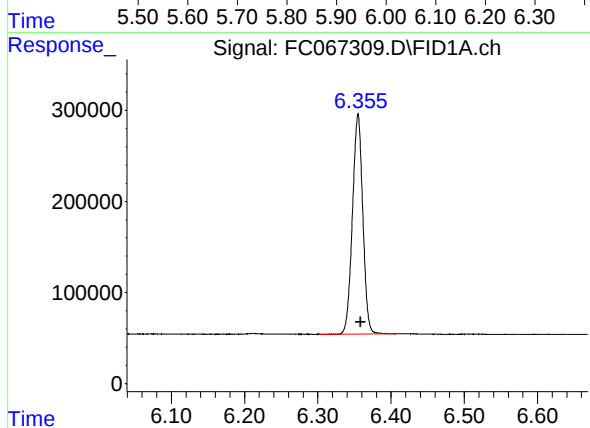
#2 n-Decane (C10)

R.T.: 4.339 min
Delta R.T.: -0.002 min
Response: 2378113
Conc: 17.71 ug/ml



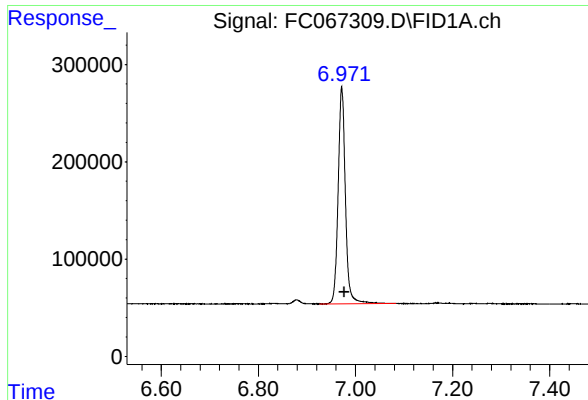
#3 A~Naphthalene (C11.7)

R.T.: 5.917 min
Delta R.T.: -0.005 min
Response: 2487632
Conc: 17.50 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.355 min
Delta R.T.: -0.004 min
Response: 2372443
Conc: 17.72 ug/ml



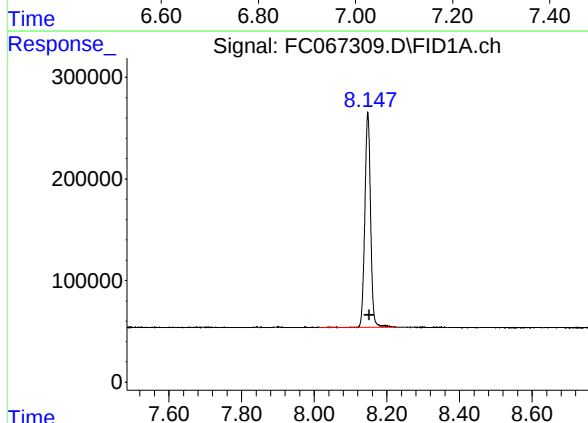
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.972 min
Delta R.T.: -0.005 min
Response: 2334085
Conc: 17.48 ug/ml

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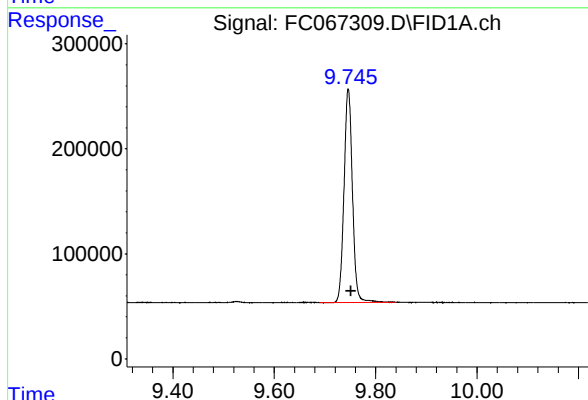
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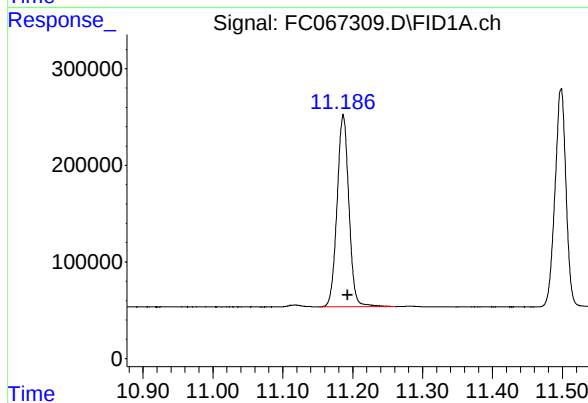
#6 n-Tetradecane (C14)

R.T.: 8.148 min
Delta R.T.: -0.004 min
Response: 2315973
Conc: 17.97 ug/ml



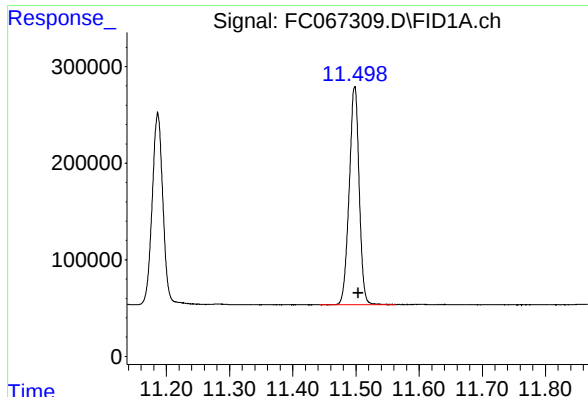
#7 n-Hexadecane (C16)

R.T.: 9.746 min
Delta R.T.: -0.006 min
Response: 2340646
Conc: 18.15 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.186 min
Delta R.T.: -0.006 min
Response: 2336876
Conc: 18.27 ug/ml



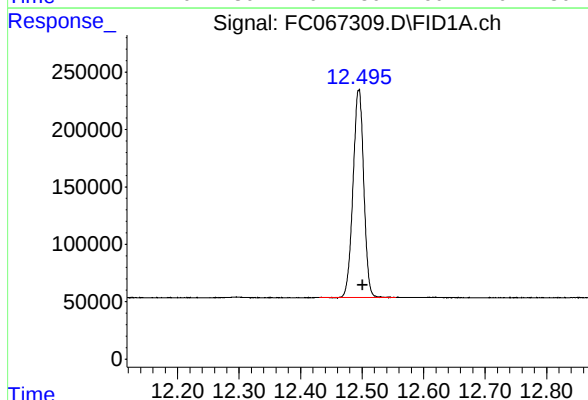
#9 ortho-Terphenyl (SURR)

R.T.: 11.498 min
Delta R.T.: -0.006 min
Response: 2476970
Conc: 17.79 ug/ml

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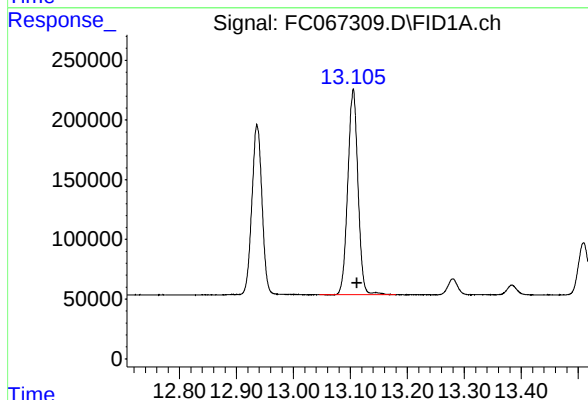
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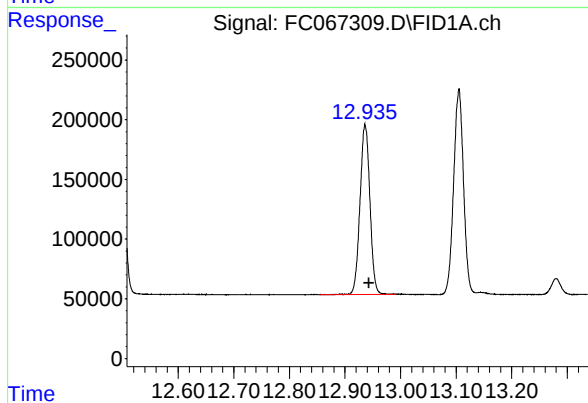
#10 n-Eicosane (C20)

R.T.: 12.495 min
Delta R.T.: -0.006 min
Response: 2193450
Conc: 18.26 ug/ml



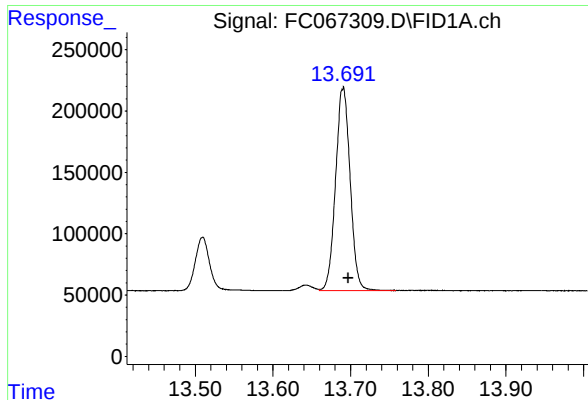
#11 n-Heneicosane (C21)

R.T.: 13.105 min
Delta R.T.: -0.007 min
Response: 2141756
Conc: 18.34 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.936 min
Delta R.T.: -0.007 min
Response: 1754458
Conc: 17.96 ug/ml



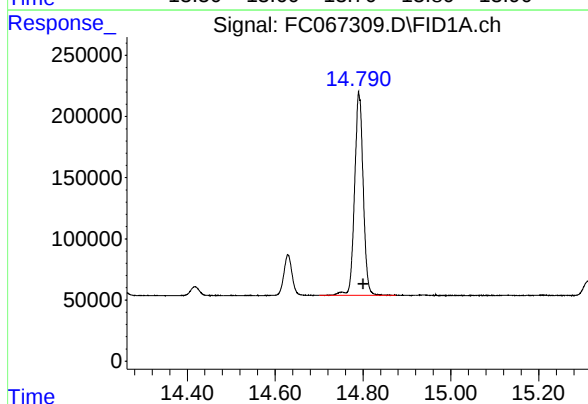
#13 n-Docosane (C22)

R.T.: 13.690 min
Delta R.T.: -0.007 min
Response: 2151905
Conc: 18.64 ug/ml

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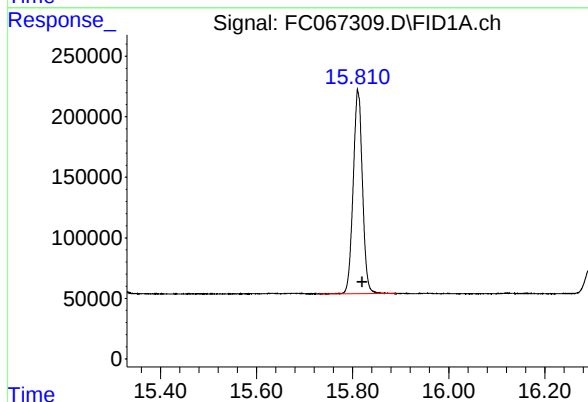
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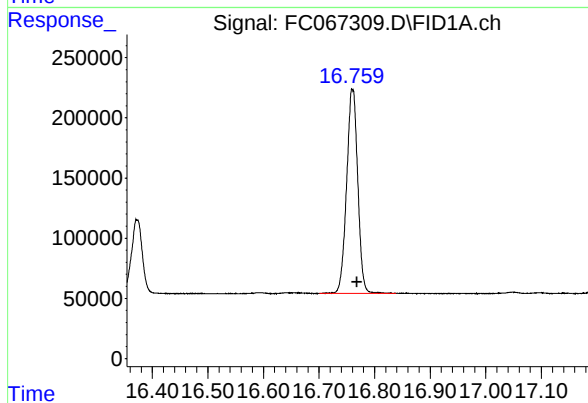
#14 n-Tetracosane (C24)

R.T.: 14.791 min
Delta R.T.: -0.010 min
Response: 2257162
Conc: 19.88 ug/ml



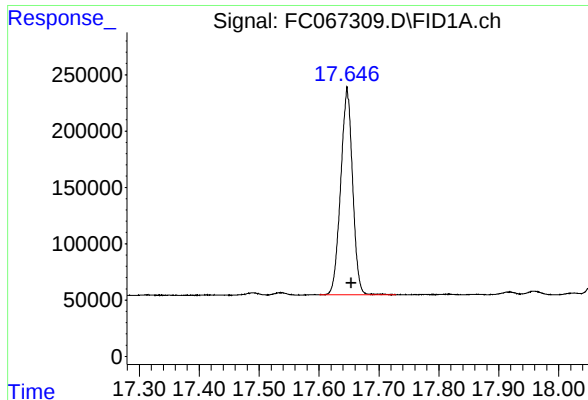
#15 n-Hexacosane (C26)

R.T.: 15.811 min
Delta R.T.: -0.009 min
Response: 2260606
Conc: 20.40 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.760 min
Delta R.T.: -0.008 min
Response: 2367977
Conc: 21.92 ug/ml



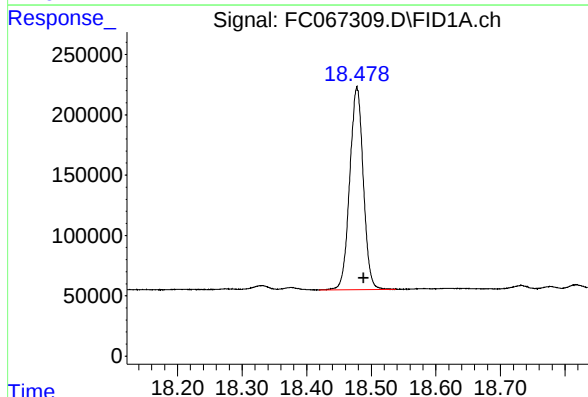
#17 n-Tricontane (C30)

R.T.: 17.647 min
Delta R.T.: -0.007 min
Response: 2532864
Conc: 23.29 ug/ml

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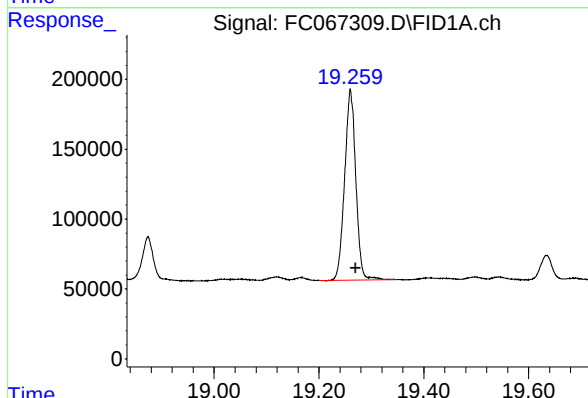
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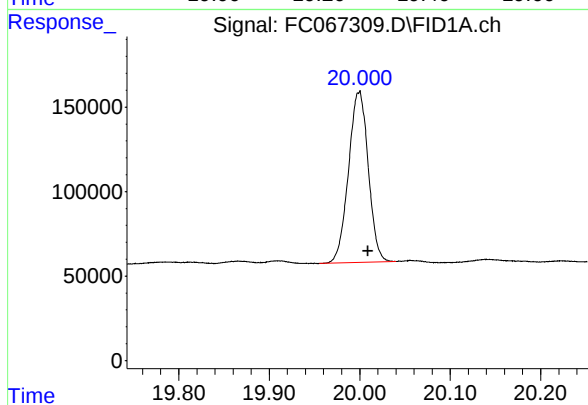
#18 n-Dotriacontane (C32)

R.T.: 18.478 min
Delta R.T.: -0.011 min
Response: 2460846
Conc: 23.59 ug/ml



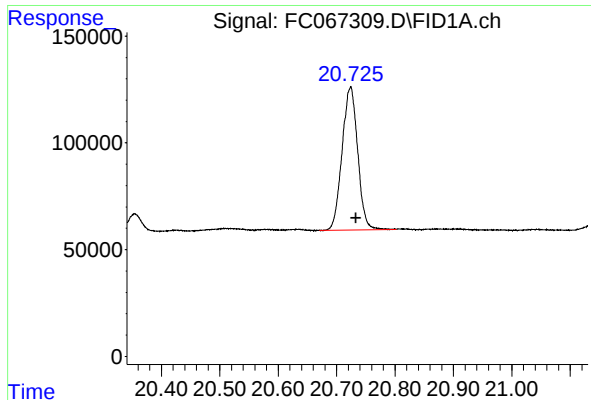
#19 n-Tetatriacontane (C34)

R.T.: 19.260 min
Delta R.T.: -0.010 min
Response: 2011459
Conc: 21.80 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.999 min
Delta R.T.: -0.010 min
Response: 1535788
Conc: 19.38 ug/ml



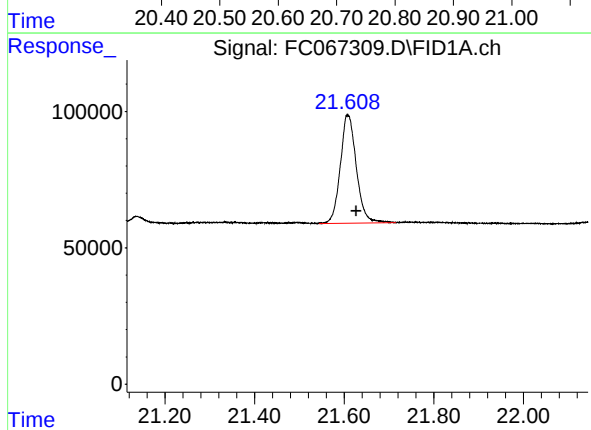
#21 n-Octatriacontane (C38)

R.T.: 20.724 min
Delta R.T.: -0.009 min
Response: 1240774
Conc: 16.52 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.608 min
Delta R.T.: -0.019 min
Response: 986396
Conc: 14.12 ug/ml m