

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC082724AL\
 Data File : FC067037.D
 Signal(s) : FID1A.ch
 Acq On : 28 Aug 2024 07:42
 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 08/28/2024
 Supervised By :Ankita Jodhani 08/28/2024

Integration File: autoint1.e
 Quant Time: Aug 28 08:16:49 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 081224.M
 Quant Title : GC Extractables
 QLast Update : Mon Aug 12 15:57:40 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)	11.516	2985781	19.613 ug/ml
Spiked Amount 50.000		Recovery =	39.23%
12) S 1-chlorooctadecane (S...	12.955	2251154	20.778 ug/ml
Spiked Amount 50.000		Recovery =	41.56%
Target Compounds			
1) T n-Nonane (C9)	3.280	2883110	19.617 ug/ml
2) T n-Decane (C10)	4.347	2972167	19.835 ug/ml
3) T A~Naphthalene (C11.7)	5.930	3157683	19.849 ug/ml
4) T n-Dodecane (C12)	6.367	2969243	19.790 ug/ml
5) T A~2-methylnaphthalene...	6.987	3007425	19.998 ug/ml
6) T n-Tetradecane (C14)	8.161	2887850	19.917 ug/ml
7) T n-Hexadecane (C16)	9.762	2929920	19.991 ug/ml
8) T n-Octadecane (C18)	11.204	2902665	19.916 ug/ml
10) T n-Eicosane (C20)	12.513	2734075	19.965 ug/ml
11) T n-Heneicosane (C21)	13.123	2661306	19.971 ug/ml
13) T n-Docosane (C22)	13.709	2631168	19.968 ug/ml
14) T n-Tetracosane (C24)	14.813	2593008	20.007 ug/ml
15) T n-Hexacosane (C26)	15.833	2537139	20.002 ug/ml
16) T n-Octacosane (C28)	16.783	2575925	20.739 ug/ml
17) T n-Tricontane (C30)	17.669	2678641	21.315 ug/mlm
18) T n-Dotriacontane (C32)	18.501	2657788	21.517 ug/ml
19) T n-Tetratriacontane (C34)	19.284	2662807	22.206 ug/mlm
20) T n-Hexatriacontane (C36)	20.025	2544727	22.538 ug/ml
21) T n-Octatriacontane (C38)	20.754	2486477	22.823 ug/mlm
22) T n-Tetracontane (C40)	21.648	2303679	22.551 ug/mlm

(f)=RT Delta > 1/2 Window

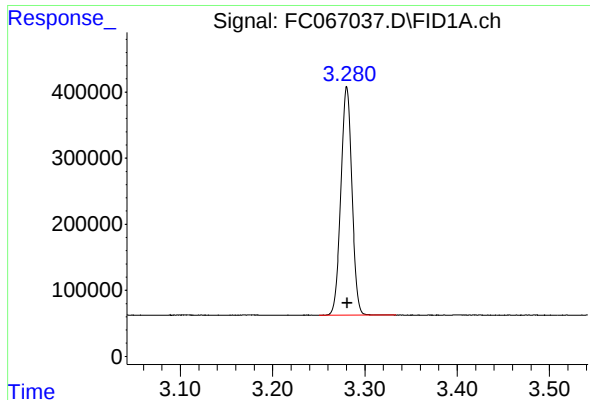
(m)=manual int.

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





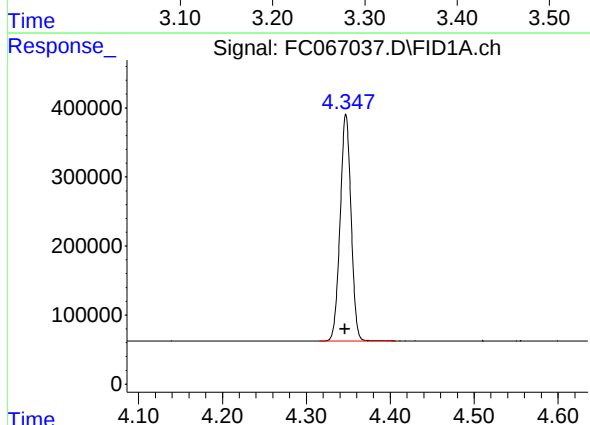
#1 n-Nonane (C9)

R.T.: 3.280 min
Delta R.T.: 0.000 min
Response: 2883110
Conc: 19.62 ug/ml

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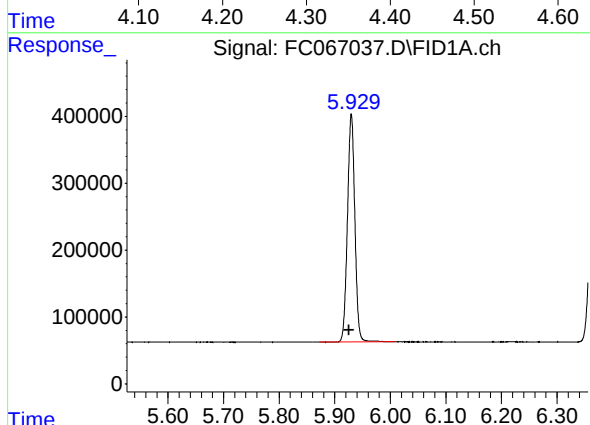
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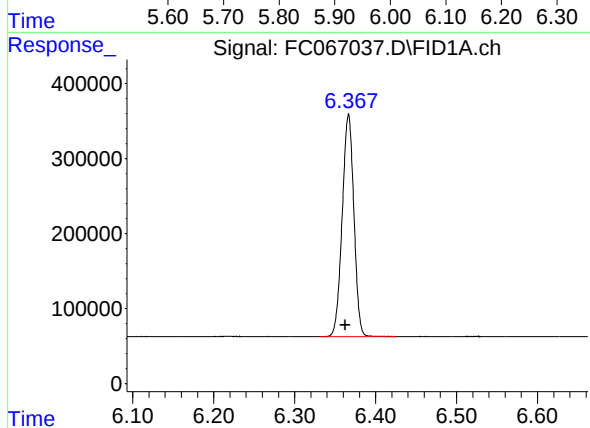
#2 n-Decane (C10)

R.T.: 4.347 min
Delta R.T.: 0.001 min
Response: 2972167
Conc: 19.83 ug/ml



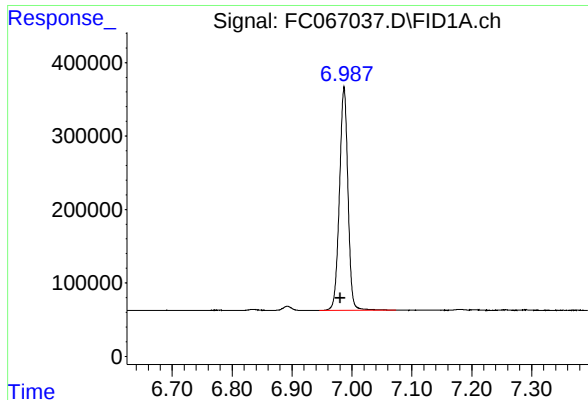
#3 A~Naphthalene (C11.7)

R.T.: 5.930 min
Delta R.T.: 0.005 min
Response: 3157683
Conc: 19.85 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.367 min
Delta R.T.: 0.004 min
Response: 2969243
Conc: 19.79 ug/ml



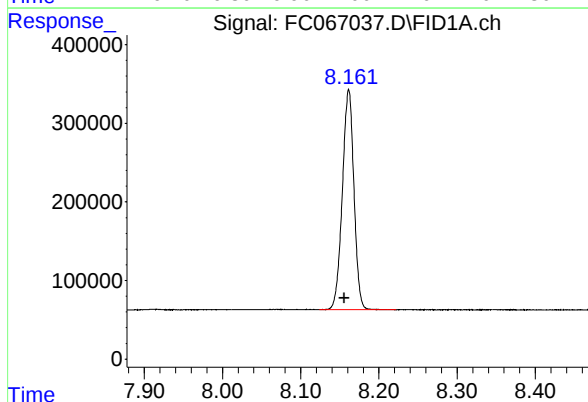
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.987 min
Delta R.T.: 0.006 min
Response: 3007425
Conc: 20.00 ug/ml

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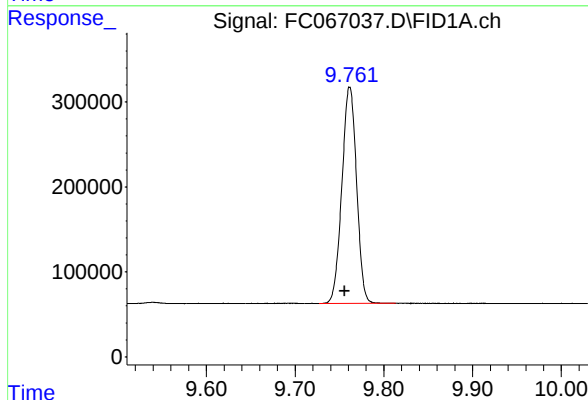
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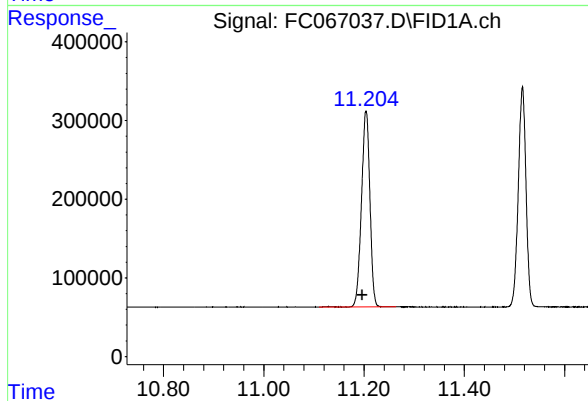
#6 n-Tetradecane (C14)

R.T.: 8.161 min
Delta R.T.: 0.005 min
Response: 2887850
Conc: 19.92 ug/ml



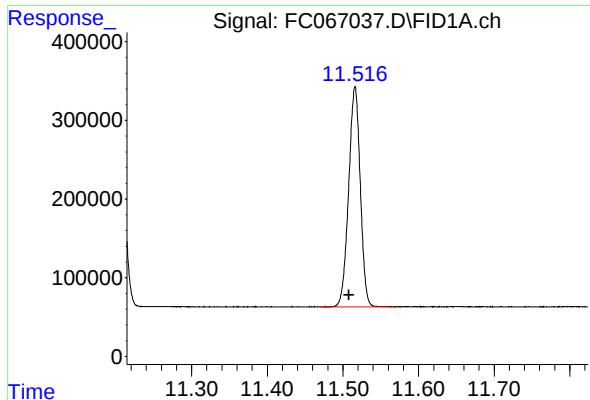
#7 n-Hexadecane (C16)

R.T.: 9.762 min
Delta R.T.: 0.006 min
Response: 2929920
Conc: 19.99 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.204 min
Delta R.T.: 0.008 min
Response: 2902665
Conc: 19.92 ug/ml



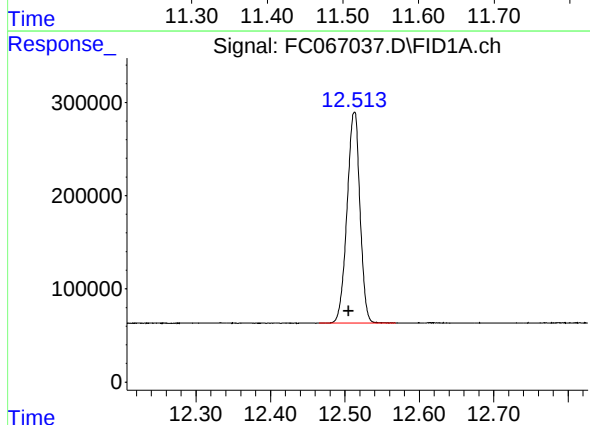
#9 ortho-Terphenyl (SURR)

R.T.: 11.516 min
Delta R.T.: 0.008 min
Response: 2985781
Conc: 19.61 ug/ml

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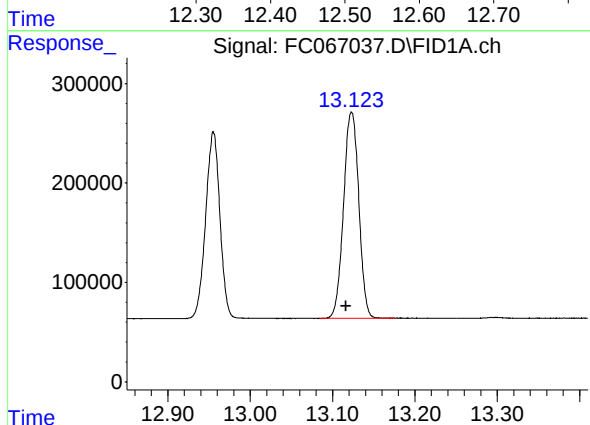
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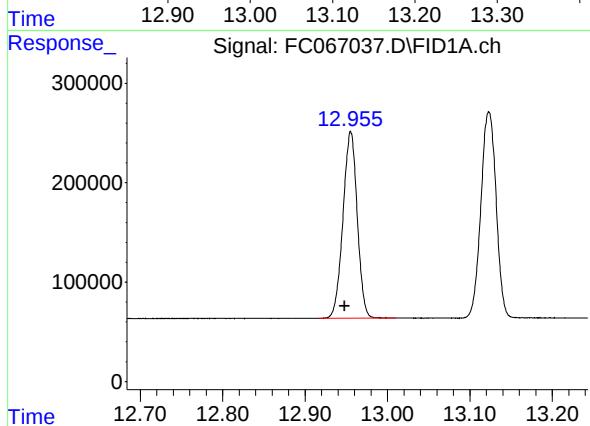
#10 n-Eicosane (C20)

R.T.: 12.513 min
Delta R.T.: 0.008 min
Response: 2734075
Conc: 19.96 ug/ml



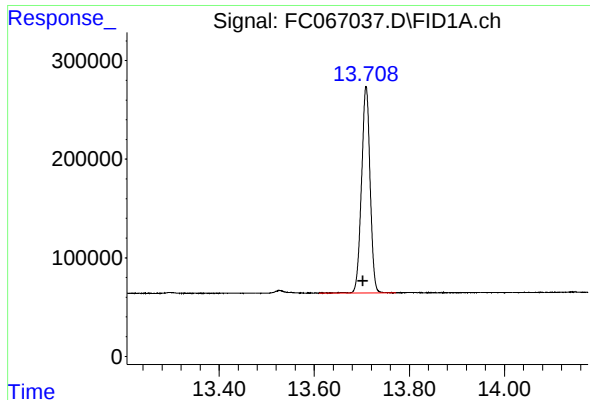
#11 n-Heneicosane (C21)

R.T.: 13.123 min
Delta R.T.: 0.007 min
Response: 2661306
Conc: 19.97 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.955 min
Delta R.T.: 0.007 min
Response: 2251154
Conc: 20.78 ug/ml



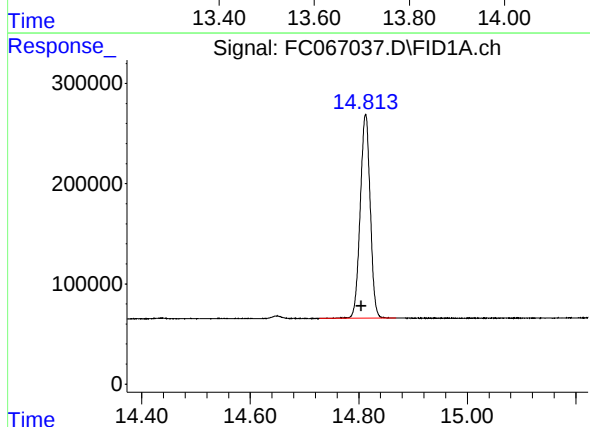
#13 n-Docosane (C22)

R.T.: 13.709 min
Delta R.T.: 0.007 min
Response: 2631168
Conc: 19.97 ug/ml

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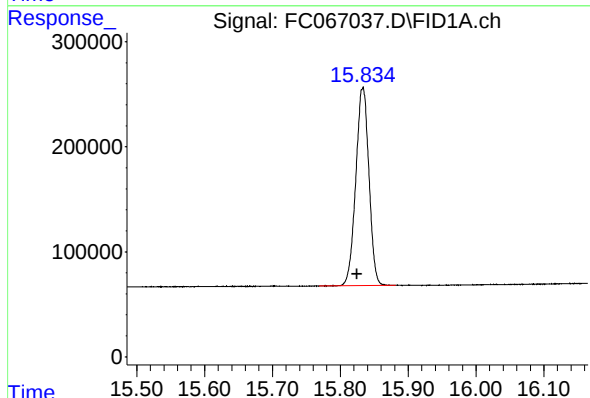
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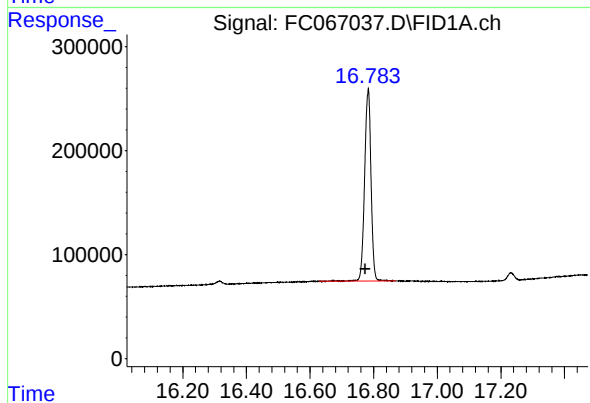
#14 n-Tetracosane (C24)

R.T.: 14.813 min
Delta R.T.: 0.008 min
Response: 2593008
Conc: 20.01 ug/ml



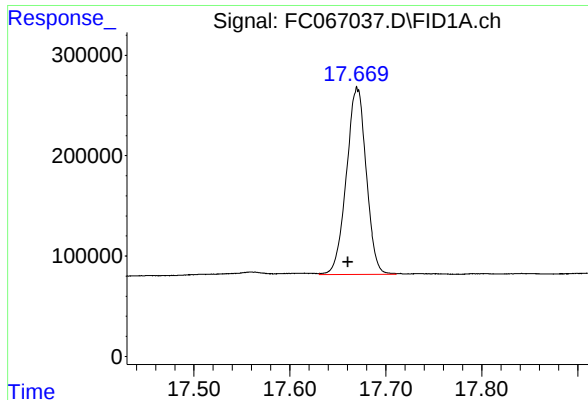
#15 n-Hexacosane (C26)

R.T.: 15.833 min
Delta R.T.: 0.009 min
Response: 2537139
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.783 min
Delta R.T.: 0.009 min
Response: 2575925
Conc: 20.74 ug/ml



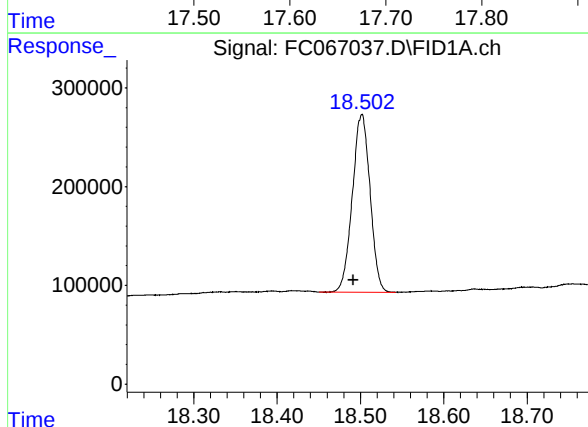
#17 n-Tricontane (C30)

R.T.: 17.669 min
Delta R.T.: 0.009 min
Response: 2678641
Conc: 21.31 ug/ml

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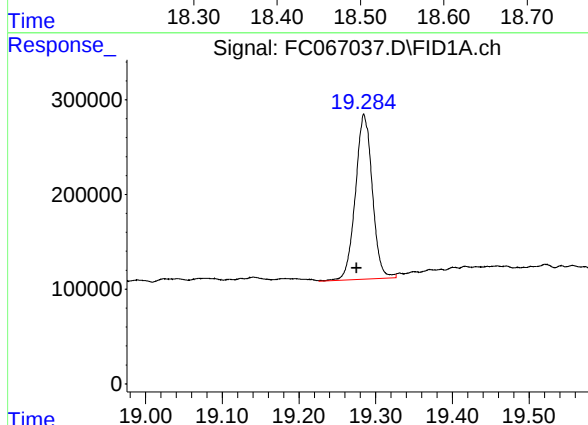
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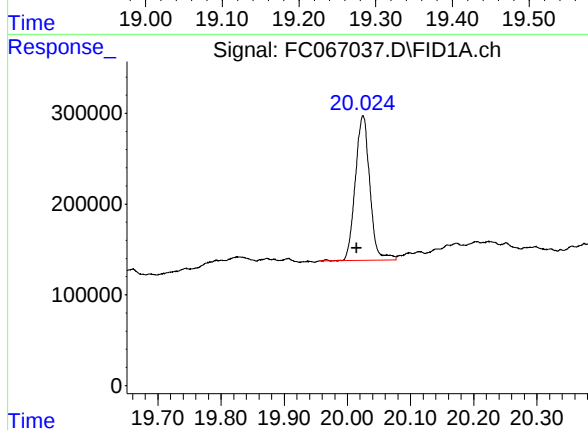
#18 n-Dotriacontane (C32)

R.T.: 18.501 min
Delta R.T.: 0.010 min
Response: 2657788
Conc: 21.52 ug/ml



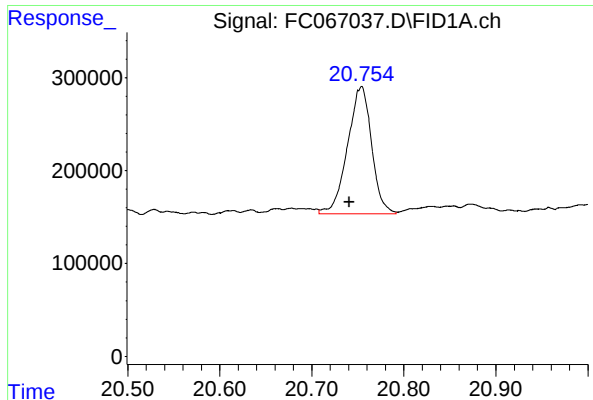
#19 n-Tetratriacontane (C34)

R.T.: 19.284 min
Delta R.T.: 0.009 min
Response: 2662807
Conc: 22.21 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.025 min
Delta R.T.: 0.010 min
Response: 2544727
Conc: 22.54 ug/ml



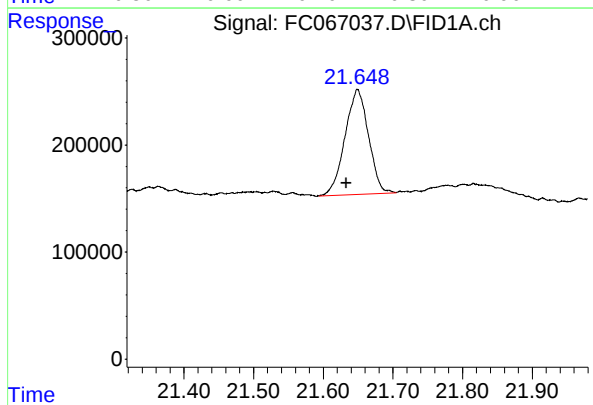
#21 n-Octatriacontane (C38)

R.T.: 20.754 min
Delta R.T.: 0.013 min
Response: 2486477
Conc: 22.82 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.648 min
Delta R.T.: 0.015 min
Response: 2303679
Conc: 22.55 ug/ml m