

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041823AL\
 Data File : FE041405.D
 Signal(s) : FID1B.ch
 Acq On : 18 Apr 2023 12:14
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/19/2023
 Supervised By :Ankita Jodhani 04/19/2023

Integration File: autoint1.e
 Quant Time: Apr 18 23:03:38 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032523.M
 Quant Title : GC Extractables
 QLast Update : Sat Mar 25 06:32:15 2023
 Response via : Initial Calibration
 Integrator: ChemStation

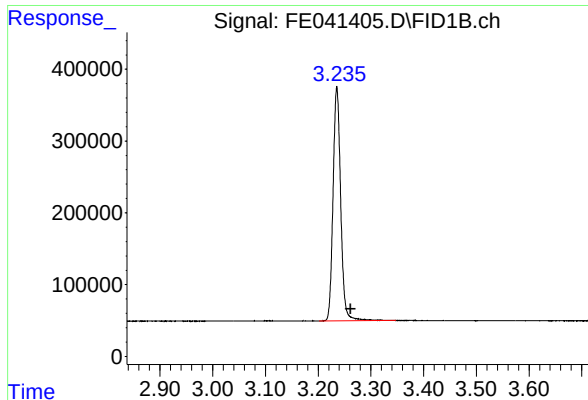
Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.838	3621622	19.270 ug/ml
Spiked Amount 50.000		Recovery =	38.54%
12) S 1-chlorooctadecane (S...	13.279	2783000	19.343 ug/ml
Spiked Amount 50.000		Recovery =	38.69%
Target Compounds			
1) T n-Nonane (C9)	3.236	3283178	18.922 ug/ml
2) T n-Decane (C10)	4.482	3267458	19.196 ug/ml
3) T A~Naphthalene (C11.7)	6.186	3553397	19.427 ug/ml
4) T n-Dodecane (C12)	6.647	3348895	19.306 ug/ml
5) T A~2-methylnaphthalene...	7.282	3315724	20.021 ug/ml
6) T n-Tetradecane (C14)	8.474	3367921	19.315 ug/ml
7) T n-Hexadecane (C16)	10.081	3448236	19.388 ug/ml
8) T n-Octadecane (C18)	11.524	3462125	19.390 ug/ml
10) T n-Eicosane (C20)	12.834	3319366	19.460 ug/ml
11) T n-Heneicosane (C21)	13.446	3294168	19.471 ug/ml
13) T n-Docosane (C22)	14.034	3234678	19.547 ug/ml
14) T n-Tetracosane (C24)	15.138	3185353	19.689 ug/ml
15) T n-Hexacosane (C26)	16.161	3091611	19.944 ug/ml
16) T n-Octacosane (C28)	17.112	3086610	20.150 ug/ml
17) T n-Tricontane (C30)	18.002	3133616	20.501 ug/ml
18) T n-Dotriacontane (C32)	18.838	3237701	20.737 ug/ml
19) T n-Tetratriacontane (C34)	19.623	3195594	20.621 ug/ml
20) T n-Hexatriacontane (C36)	20.365	3107339	20.457 ug/mlm
21) T n-Octatriacontane (C38)	21.092	3270054	20.933 ug/ml
22) T n-Tetracontane (C40)	21.975	3315965	20.776 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.



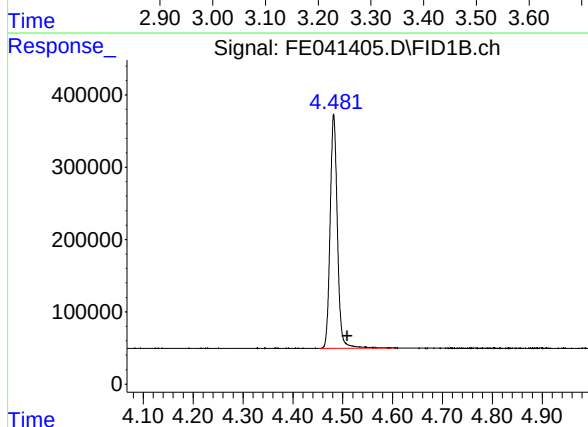
#1 n-Nonane (C9)

R.T.: 3.236 min
Delta R.T.: -0.026 min
Response: 3283178
Conc: 18.92 ug/ml

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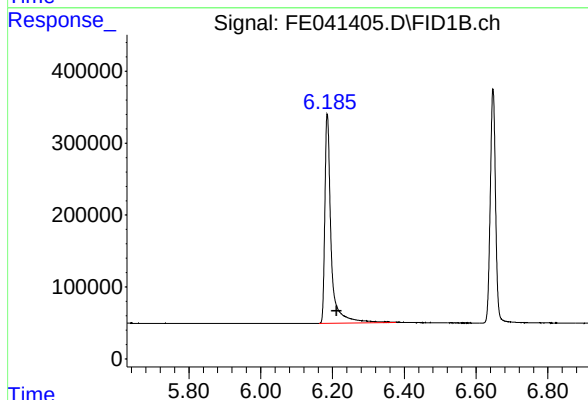
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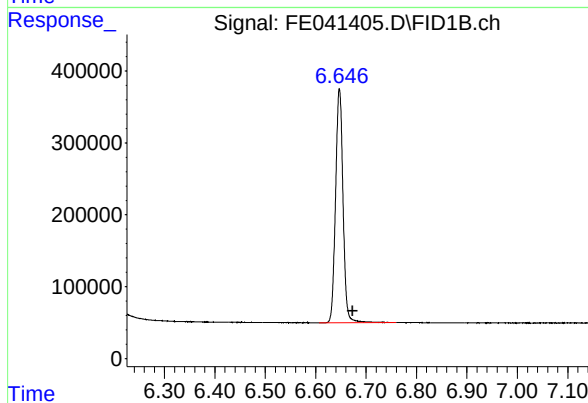
#2 n-Decane (C10)

R.T.: 4.482 min
Delta R.T.: -0.027 min
Response: 3267458
Conc: 19.20 ug/ml



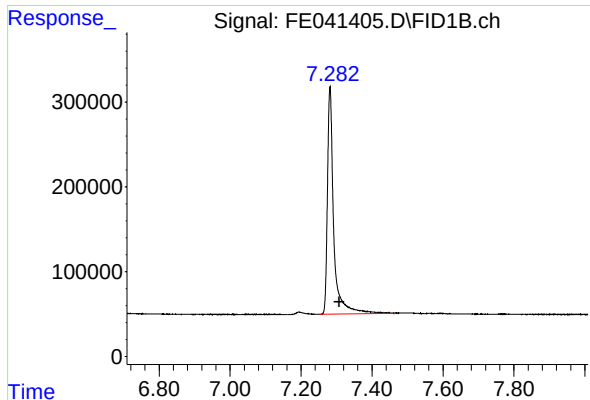
#3 A~Naphthalene (C11.7)

R.T.: 6.186 min
Delta R.T.: -0.026 min
Response: 3553397
Conc: 19.43 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.647 min
Delta R.T.: -0.026 min
Response: 3348895
Conc: 19.31 ug/ml



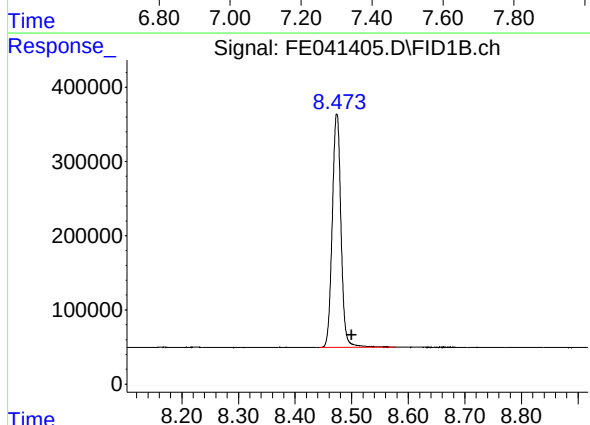
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.282 min
Delta R.T.: -0.026 min
Response: 3315724
Conc: 20.02 ug/ml

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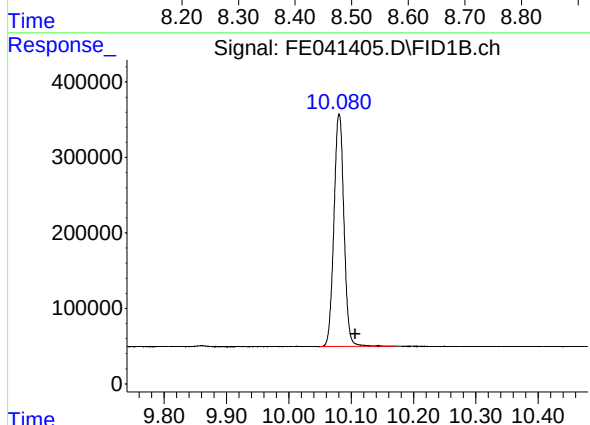
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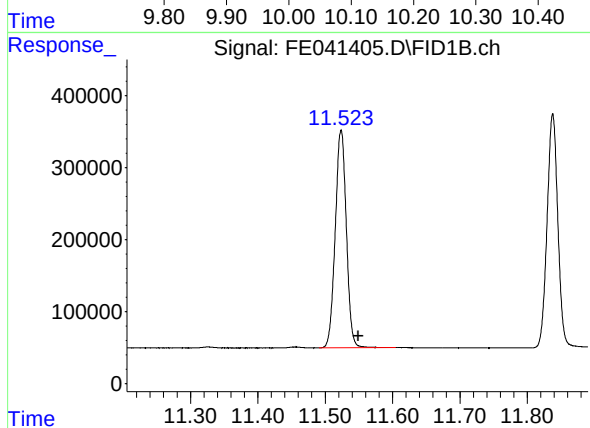
#6 n-Tetradecane (C14)

R.T.: 8.474 min
Delta R.T.: -0.026 min
Response: 3367921
Conc: 19.32 ug/ml



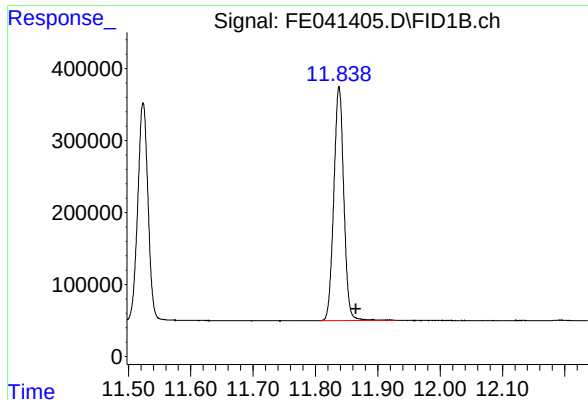
#7 n-Hexadecane (C16)

R.T.: 10.081 min
Delta R.T.: -0.026 min
Response: 3448236
Conc: 19.39 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.524 min
Delta R.T.: -0.026 min
Response: 3462125
Conc: 19.39 ug/ml



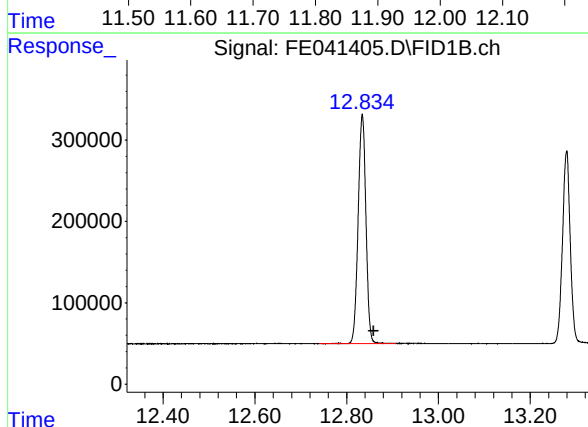
#9 ortho-Terphenyl (SURR)

R.T.: 11.838 min
Delta R.T.: -0.027 min
Response: 3621622
Conc: 19.27 ug/ml

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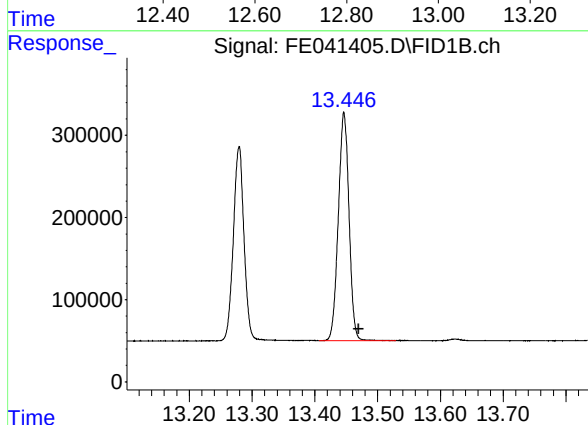
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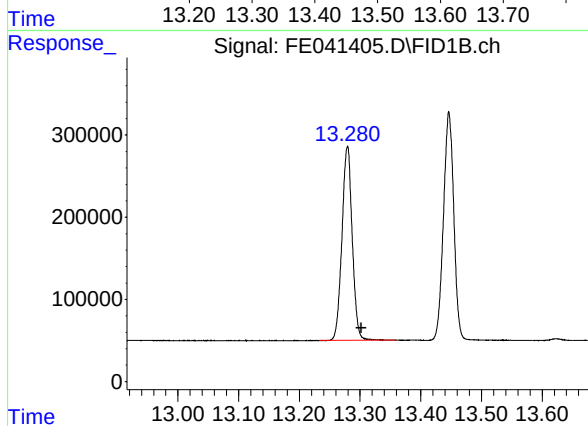
#10 n-Eicosane (C20)

R.T.: 12.834 min
Delta R.T.: -0.024 min
Response: 3319366
Conc: 19.46 ug/ml



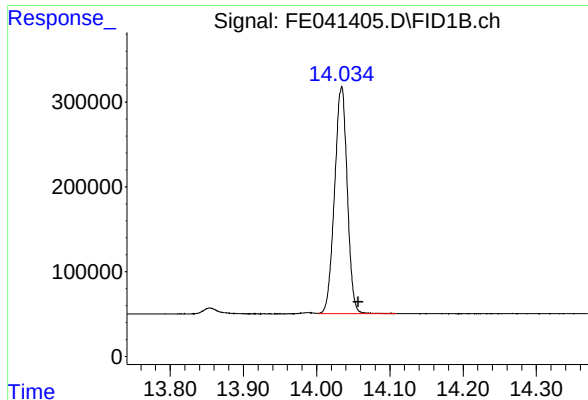
#11 n-Heneicosane (C21)

R.T.: 13.446 min
Delta R.T.: -0.023 min
Response: 3294168
Conc: 19.47 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.279 min
Delta R.T.: -0.023 min
Response: 2783000
Conc: 19.34 ug/ml



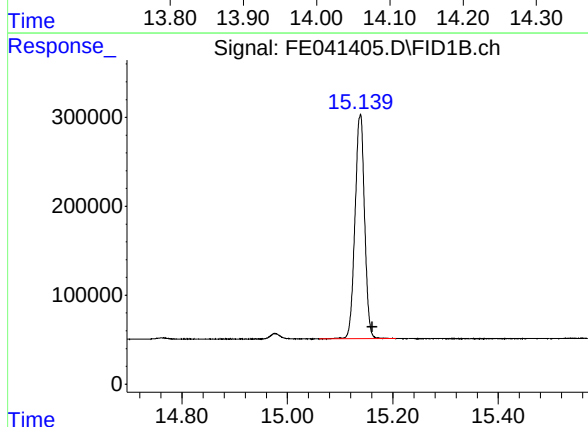
#13 n-Docosane (C22)

R.T.: 14.034 min
Delta R.T.: -0.023 min
Response: 3234678
Conc: 19.55 ug/ml

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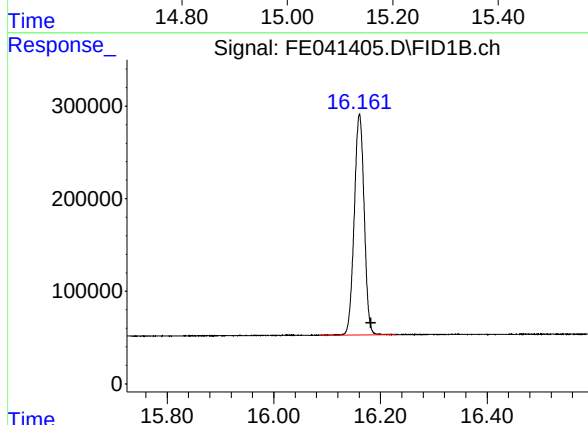
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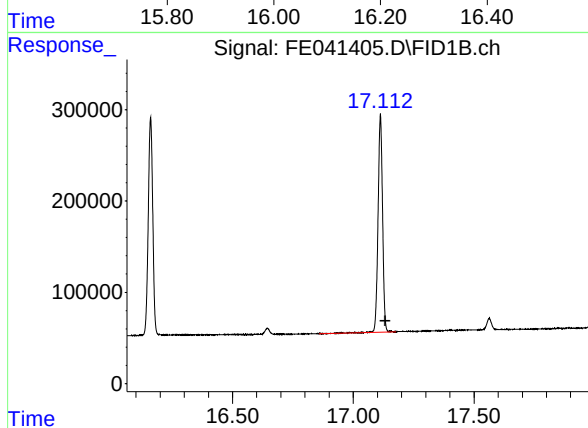
#14 n-Tetracosane (C24)

R.T.: 15.138 min
Delta R.T.: -0.022 min
Response: 3185353
Conc: 19.69 ug/ml



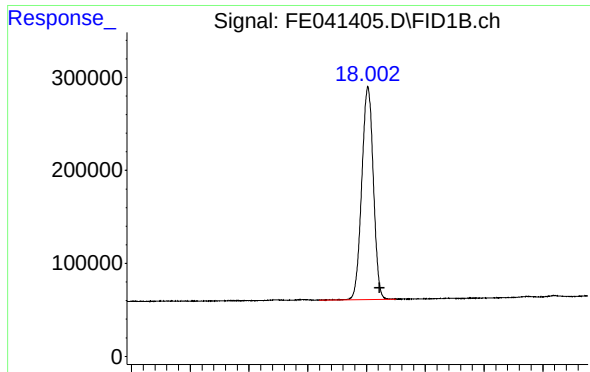
#15 n-Hexacosane (C26)

R.T.: 16.161 min
Delta R.T.: -0.021 min
Response: 3091611
Conc: 19.94 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.112 min
Delta R.T.: -0.021 min
Response: 3086610
Conc: 20.15 ug/ml



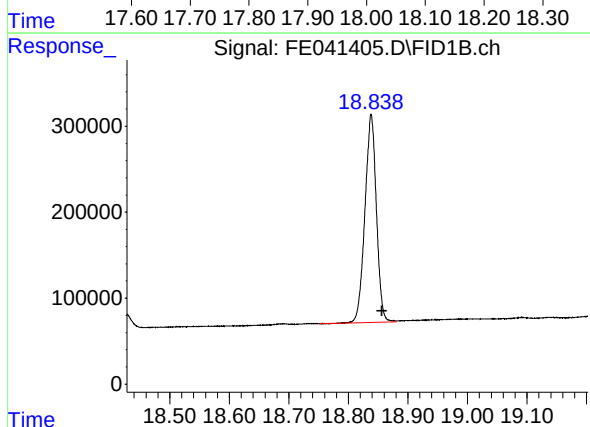
#17 n-Tricontane (C30)

R.T.: 18.002 min
Delta R.T.: -0.020 min
Response: 3133616
Conc: 20.50 ug/ml

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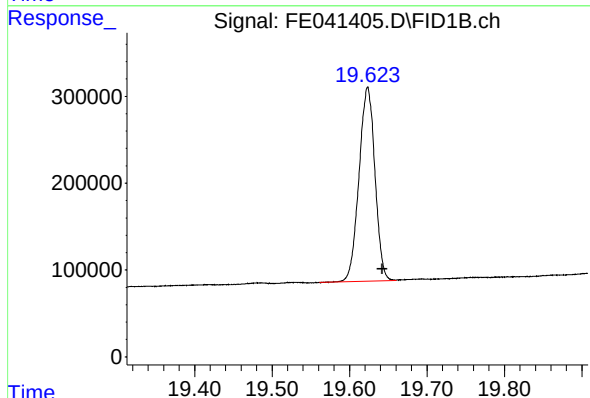
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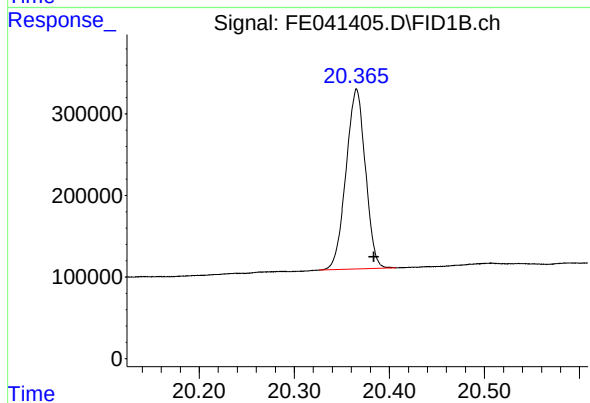
#18 n-Dotriacontane (C32)

R.T.: 18.838 min
Delta R.T.: -0.018 min
Response: 3237701
Conc: 20.74 ug/ml



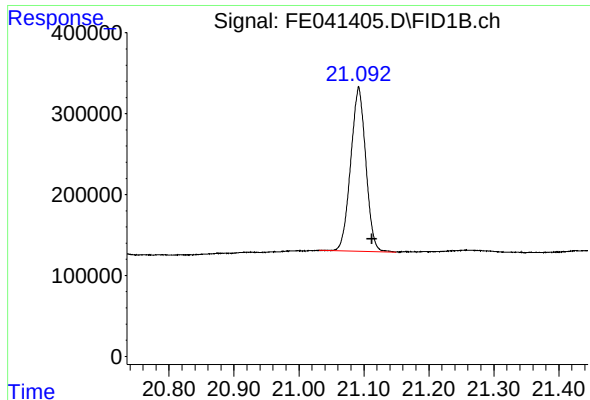
#19 n-Tetatriacontane (C34)

R.T.: 19.623 min
Delta R.T.: -0.019 min
Response: 3195594
Conc: 20.62 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.365 min
Delta R.T.: -0.019 min
Response: 3107339
Conc: 20.46 ug/ml m



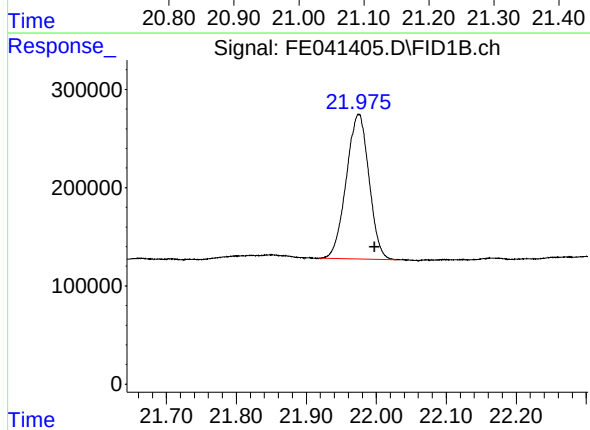
#21 n-Octatriacontane (C38)

R.T.: 21.092 min
Delta R.T.: -0.020 min
Response: 3270054
Conc: 20.93 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.975 min
Delta R.T.: -0.023 min
Response: 3315965
Conc: 20.78 ug/ml m