

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC061324AL\
 Data File : FC066605.D
 Signal(s) : FID1A.ch
 Acq On : 13 Jun 2024 10:24
 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 06/14/2024
 Supervised By :Ankita Jodhani 06/14/2024

Integration File: autoint1.e
 Quant Time: Jun 14 03:13:20 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052824.M
 Quant Title : GC Extractables
 QLast Update : Tue May 28 12:26:07 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)	11.546	2567623	16.893 ug/mlm
Spiked Amount 50.000		Recovery =	33.79%
12) S 1-chlorooctadecane (S...	12.985	1964871	17.195 ug/ml
Spiked Amount 50.000		Recovery =	34.39%
Target Compounds			
1) T n-Nonane (C9)	3.299	2348680	16.782 ug/ml
2) T n-Decane (C10)	4.367	2468484	17.156 ug/ml
3) T A~Naphthalene (C11.7)	5.954	2709726	17.005 ug/ml
4) T n-Dodecane (C12)	6.389	2458870	17.076 ug/ml
5) T A~2-methylnaphthalene...	7.012	2606070	16.993 ug/ml
6) T n-Tetradecane (C14)	8.186	2410215	17.073 ug/ml
7) T n-Hexadecane (C16)	9.787	2464732	17.150 ug/ml
8) T n-Octadecane (C18)	11.230	2443499	17.075 ug/ml
10) T n-Eicosane (C20)	12.540	2337766	17.181 ug/ml
11) T n-Heneicosane (C21)	13.152	2299089	17.247 ug/ml
13) T n-Docosane (C22)	13.738	2298063	17.436 ug/ml
14) T n-Tetracosane (C24)	14.843	2337345	17.955 ug/ml
15) T n-Hexacosane (C26)	15.863	2335469	18.364 ug/ml
16) T n-Octacosane (C28)	16.815	2407596	19.393 ug/ml
17) T n-Tricontane (C30)	17.701	2592052	20.567 ug/ml
18) T n-Dotriacontane (C32)	18.534	2595188	21.086 ug/ml
19) T n-Tetratriacontane (C34)	19.319	2433465	20.292 ug/ml
20) T n-Hexatriacontane (C36)	20.058	2300180	18.985 ug/mlm
21) T n-Octatriacontane (C38)	20.793	2203399	19.047 ug/ml
22) T n-Tetracontane (C40)	21.701	2191742	17.893 ug/ml

(f)=RT Delta > 1/2 Window

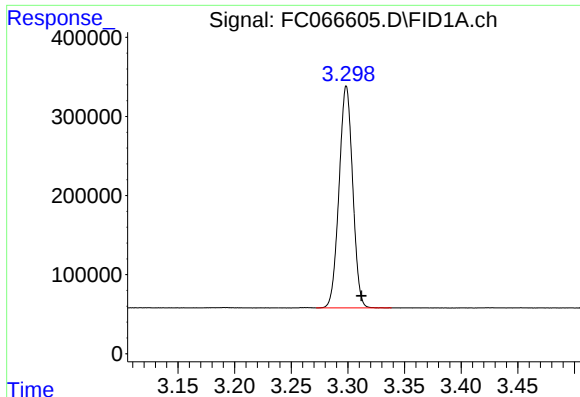
(m)=manual int.

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





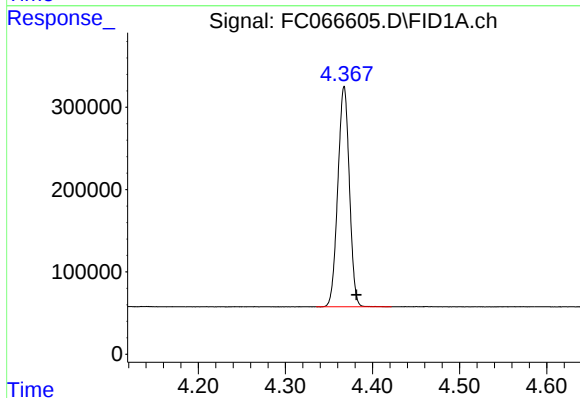
#1 n-Nonane (C9)

R.T.: 3.299 min
Delta R.T.: -0.013 min
Response: 2348680
Conc: 16.78 ug/ml

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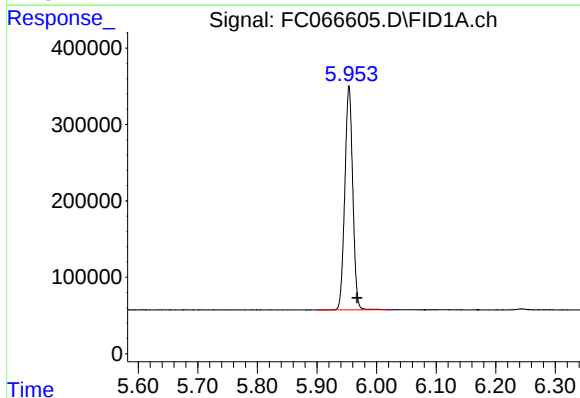
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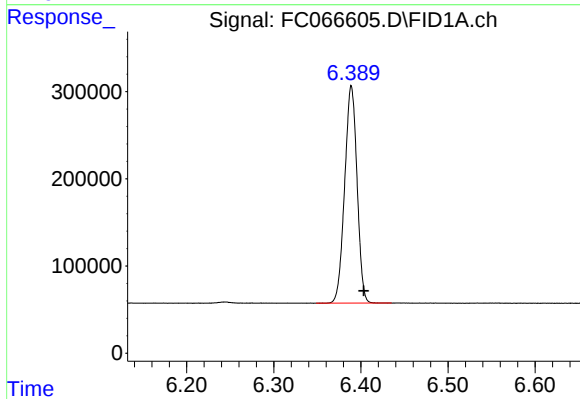
#2 n-Decane (C10)

R.T.: 4.367 min
Delta R.T.: -0.014 min
Response: 2468484
Conc: 17.16 ug/ml



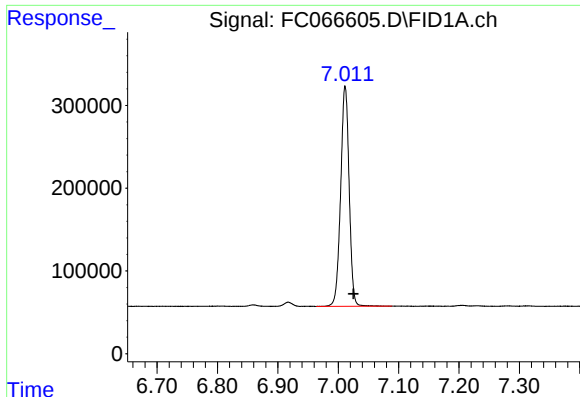
#3 A~Naphthalene (C11.7)

R.T.: 5.954 min
Delta R.T.: -0.013 min
Response: 2709726
Conc: 17.00 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.389 min
Delta R.T.: -0.014 min
Response: 2458870
Conc: 17.08 ug/ml



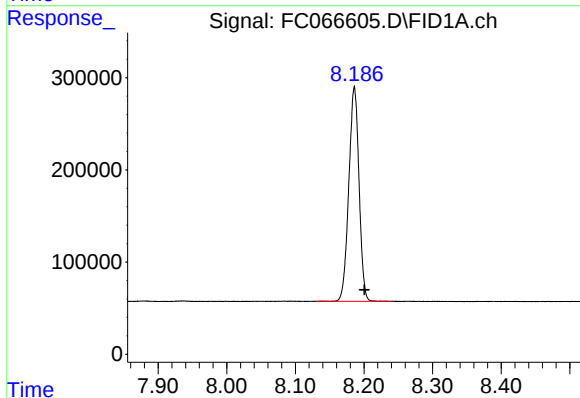
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.012 min
Delta R.T.: -0.014 min
Response: 2606070
Conc: 16.99 ug/ml

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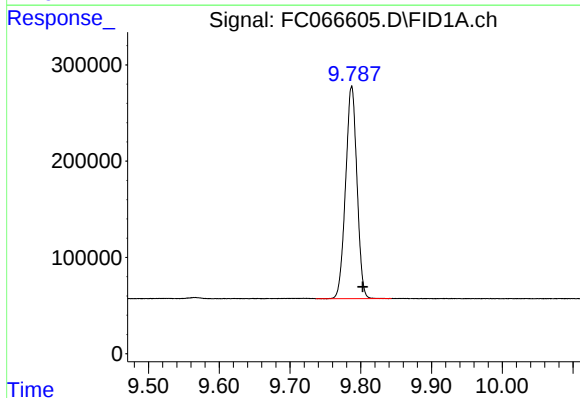
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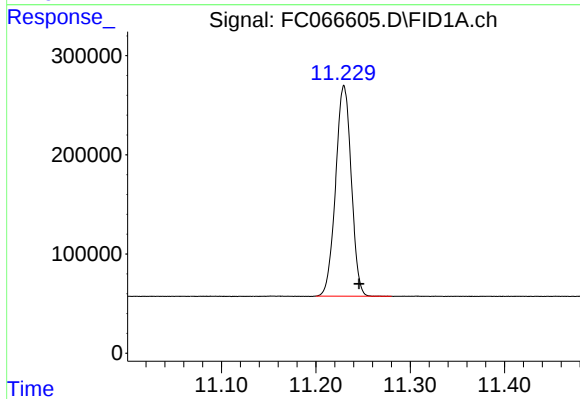
#6 n-Tetradecane (C14)

R.T.: 8.186 min
Delta R.T.: -0.014 min
Response: 2410215
Conc: 17.07 ug/ml



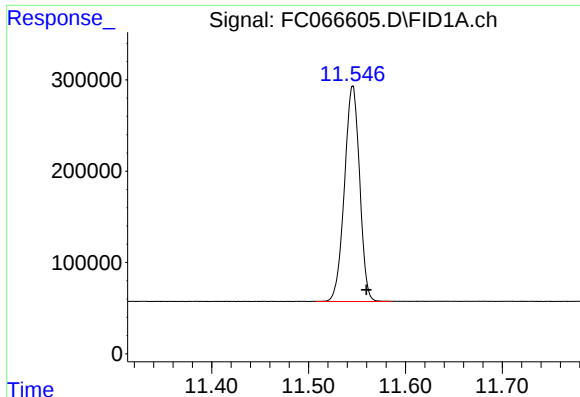
#7 n-Hexadecane (C16)

R.T.: 9.787 min
Delta R.T.: -0.015 min
Response: 2464732
Conc: 17.15 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.230 min
Delta R.T.: -0.016 min
Response: 2443499
Conc: 17.07 ug/ml



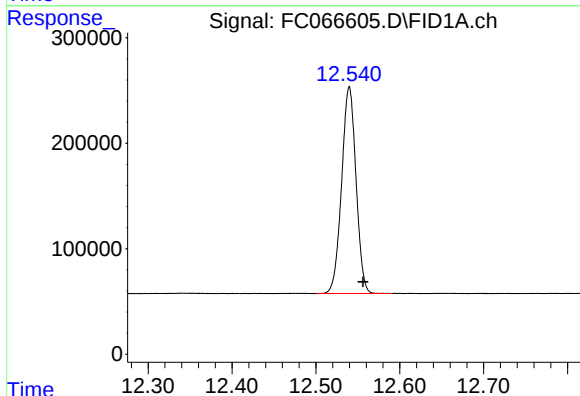
#9 ortho-Terphenyl (SURR)

R.T.: 11.546 min
Delta R.T.: -0.014 min
Response: 2567623
Conc: 16.89 ug/ml

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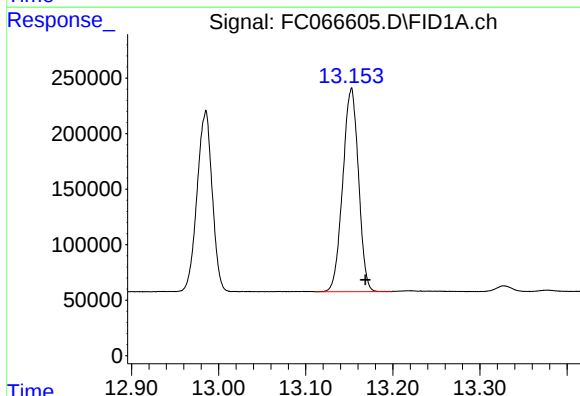
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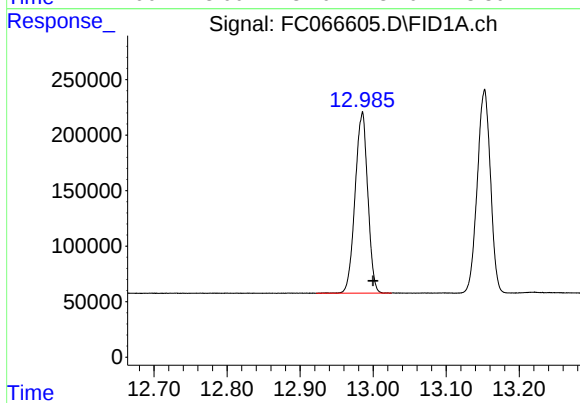
#10 n-Eicosane (C20)

R.T.: 12.540 min
Delta R.T.: -0.016 min
Response: 2337766
Conc: 17.18 ug/ml



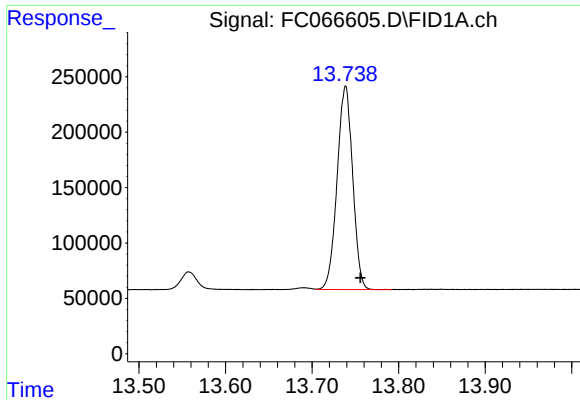
#11 n-Heneicosane (C21)

R.T.: 13.152 min
Delta R.T.: -0.016 min
Response: 2299089
Conc: 17.25 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.985 min
Delta R.T.: -0.015 min
Response: 1964871
Conc: 17.20 ug/ml



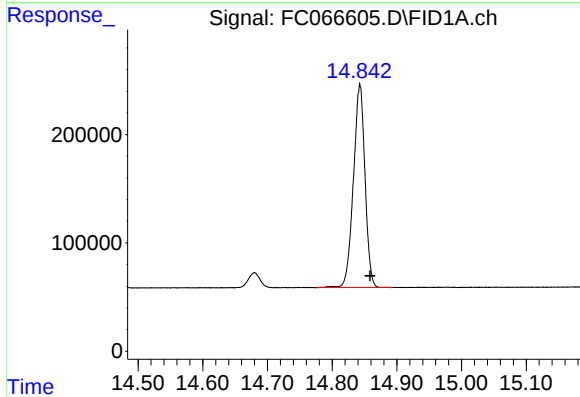
#13 n-Docosane (C22)

R.T.: 13.738 min
Delta R.T.: -0.017 min
Response: 2298063
Conc: 17.44 ug/ml

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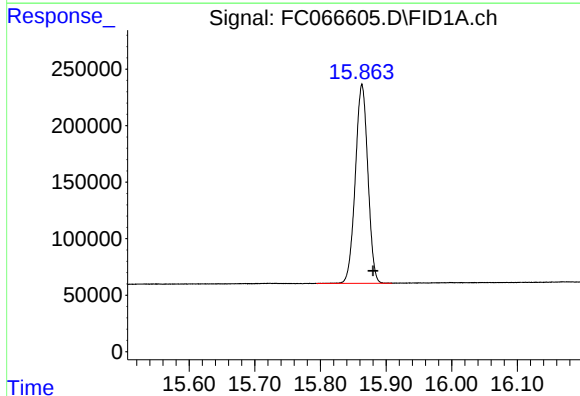
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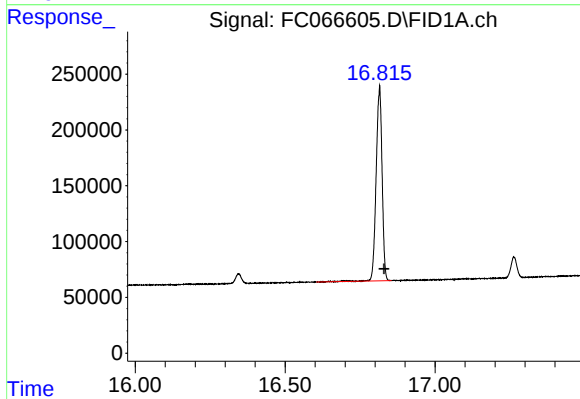
#14 n-Tetracosane (C24)

R.T.: 14.843 min
Delta R.T.: -0.016 min
Response: 2337345
Conc: 17.96 ug/ml



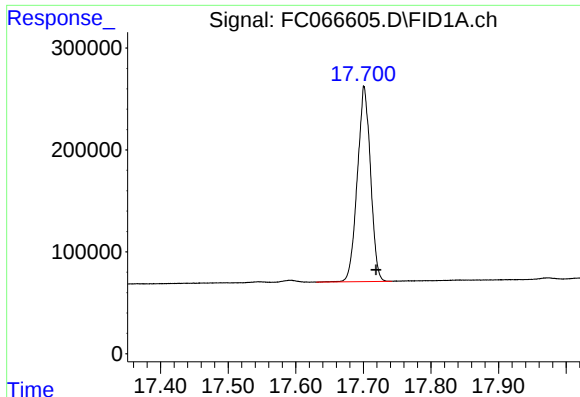
#15 n-Hexacosane (C26)

R.T.: 15.863 min
Delta R.T.: -0.017 min
Response: 2335469
Conc: 18.36 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.815 min
Delta R.T.: -0.015 min
Response: 2407596
Conc: 19.39 ug/ml



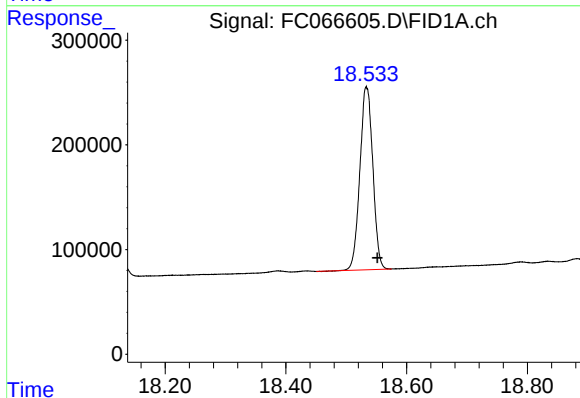
#17 n-Tricontane (C30)

R.T.: 17.701 min
Delta R.T.: -0.017 min
Response: 2592052
Conc: 20.57 ug/ml

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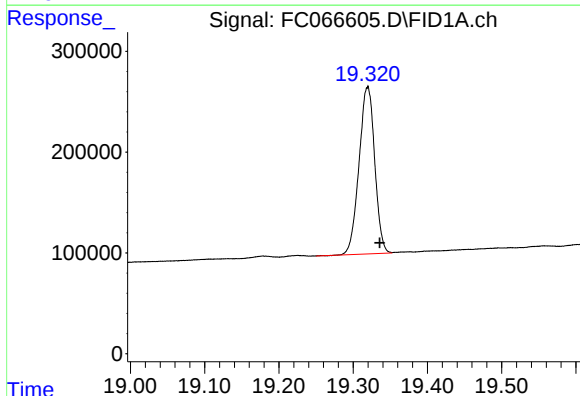
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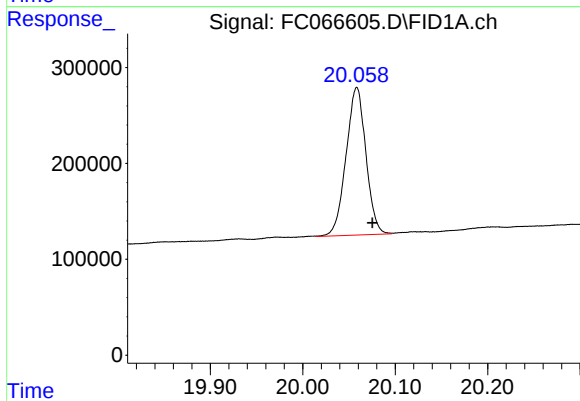
#18 n-Dotriacontane (C32)

R.T.: 18.534 min
Delta R.T.: -0.018 min
Response: 2595188
Conc: 21.09 ug/ml



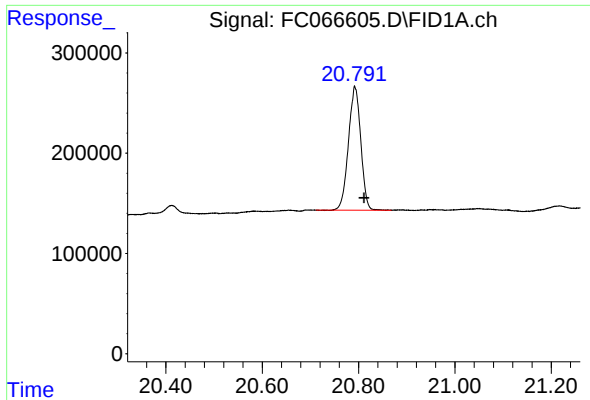
#19 n-Tetratriacontane (C34)

R.T.: 19.319 min
Delta R.T.: -0.016 min
Response: 2433465
Conc: 20.29 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.058 min
Delta R.T.: -0.017 min
Response: 2300180
Conc: 18.99 ug/ml m



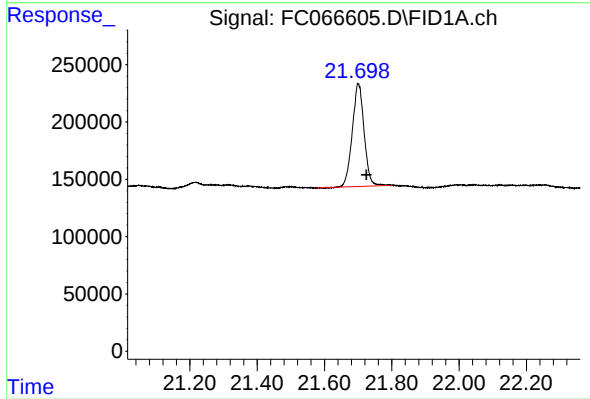
#21 n-Octatriacontane (C38)

R.T.: 20.793 min
Delta R.T.: -0.019 min
Response: 2203399
Conc: 19.05 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.701 min
Delta R.T.: -0.024 min
Response: 2191742
Conc: 17.89 ug/ml