

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022224AL\
 Data File : FC065816.D
 Signal(s) : FID1A.ch
 Acq On : 22 Feb 2024 09:39
 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 02/23/2024
 Supervised By :Ankita Jodhani 02/23/2024

Integration File: autoint1.e
 Quant Time: Feb 23 02:18:38 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 020824.M
 Quant Title : GC Extractables
 QLast Update : Thu Feb 08 13:26:08 2024
 Response via : Initial Calibration
 Integrator: ChemStation

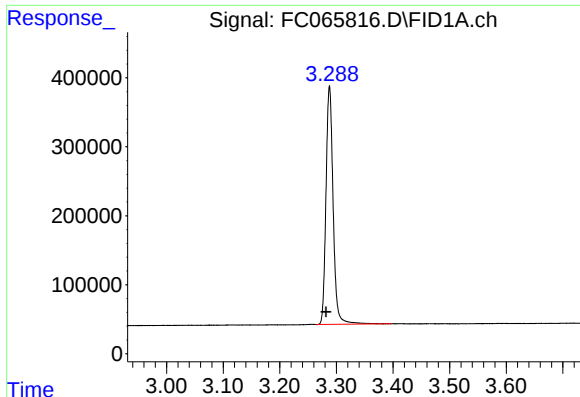
Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.499	3487311	20.330 ug/ml
Spiked Amount 50.000		Recovery =	40.66%
12) S 1-chlorooctadecane (S...	12.930	2591277	20.590 ug/ml
Spiked Amount 50.000		Recovery =	41.18%
Target Compounds			
1) T n-Nonane (C9)	3.288	3034875	20.201 ug/ml
2) T n-Decane (C10)	4.351	3154400	20.747 ug/ml
3) T A~Naphthalene (C11.7)	5.938	3352347	21.739 ug/ml
4) T n-Dodecane (C12)	6.365	3137901	20.502 ug/ml
5) T A~2-methylnaphthalene...	6.993	3203416	22.496 ug/ml
6) T n-Tetradecane (C14)	8.155	3069701	20.676 ug/ml
7) T n-Hexadecane (C16)	9.750	3151169	21.013 ug/ml
8) T n-Octadecane (C18)	11.185	3173129	20.571 ug/ml
10) T n-Eicosane (C20)	12.487	3069745	20.413 ug/ml
11) T n-Heneicosane (C21)	13.097	3031376	20.269 ug/ml
13) T n-Docosane (C22)	13.681	3045992	20.535 ug/ml
14) T n-Tetracosane (C24)	14.777	3076866	20.694 ug/ml
15) T n-Hexacosane (C26)	15.794	3098650	20.910 ug/ml
16) T n-Octacosane (C28)	16.738	3174727	21.636 ug/ml
17) T n-Tricontane (C30)	17.621	3440422	22.918 ug/ml
18) T n-Dotriacontane (C32)	18.449	3485336	23.568 ug/ml
19) T n-Tetratriacontane (C34)	19.228	3302251	22.783 ug/mlm
20) T n-Hexatriacontane (C36)	19.965	3119052	21.974 ug/mlm
21) T n-Octatriacontane (C38)	20.683	3011077	21.272 ug/mlm
22) T n-Tetracontane (C40)	21.555	2878090	20.633 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.



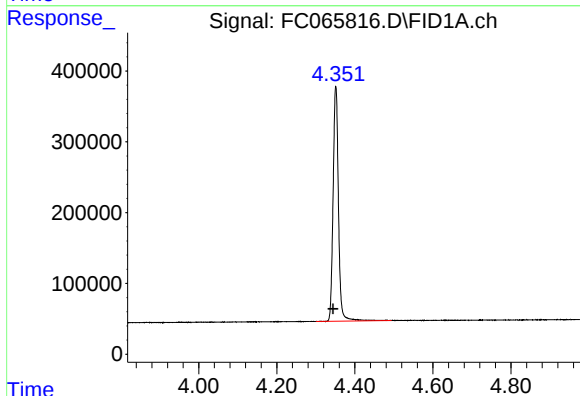
#1 n-Nonane (C9)

R.T.: 3.288 min
Delta R.T.: 0.006 min
Response: 3034875
Conc: 20.20 ug/ml

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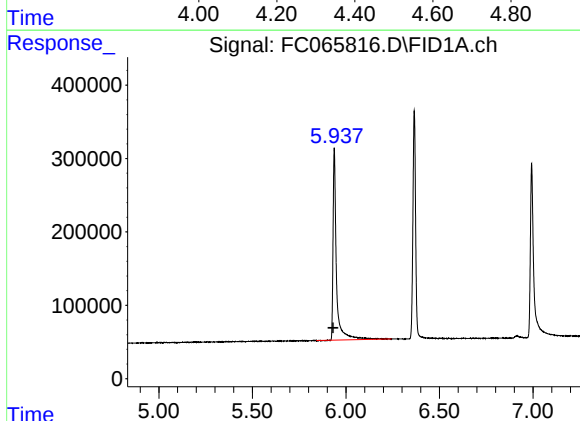
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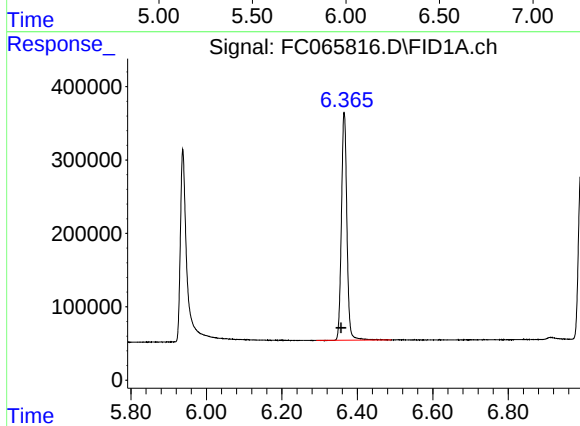
#2 n-Decane (C10)

R.T.: 4.351 min
Delta R.T.: 0.007 min
Response: 3154400
Conc: 20.75 ug/ml



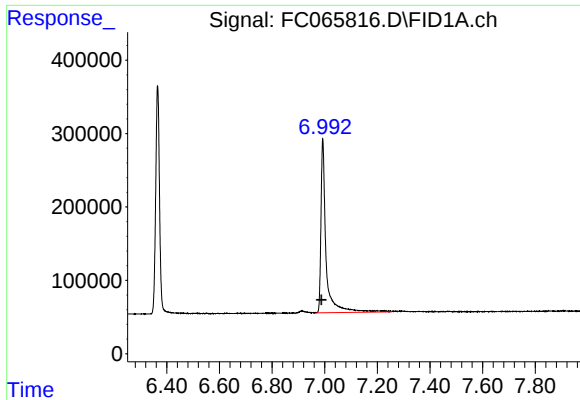
#3 A~Naphthalene (C11.7)

R.T.: 5.938 min
Delta R.T.: 0.006 min
Response: 3352347
Conc: 21.74 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.365 min
Delta R.T.: 0.008 min
Response: 3137901
Conc: 20.50 ug/ml



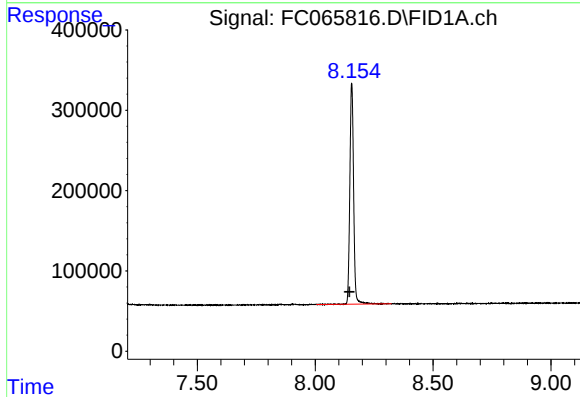
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.993 min
Delta R.T.: 0.006 min
Response: 3203416
Conc: 22.50 ug/ml

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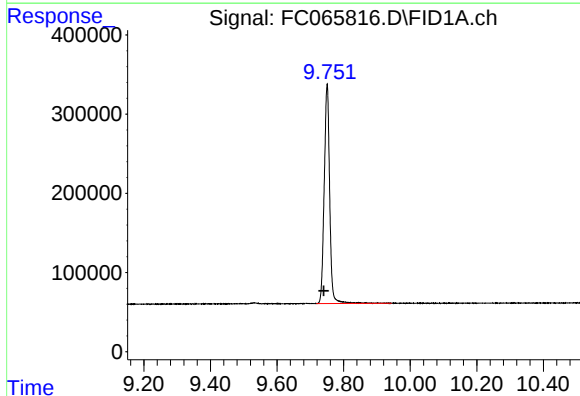
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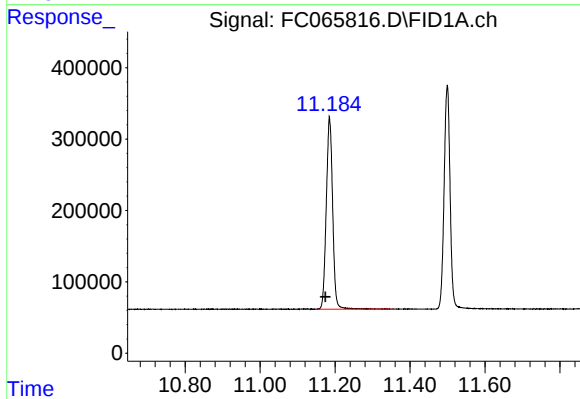
#6 n-Tetradecane (C14)

R.T.: 8.155 min
Delta R.T.: 0.010 min
Response: 3069701
Conc: 20.68 ug/ml



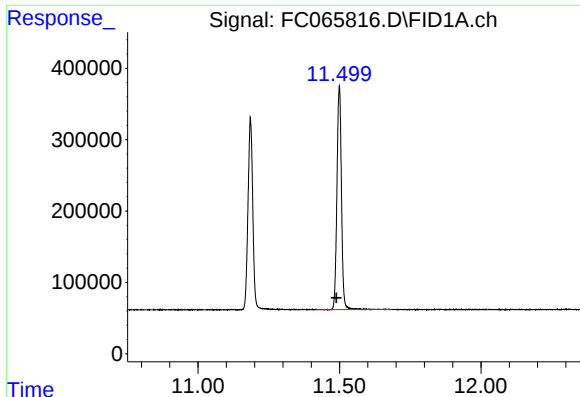
#7 n-Hexadecane (C16)

R.T.: 9.750 min
Delta R.T.: 0.010 min
Response: 3151169
Conc: 21.01 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.185 min
Delta R.T.: 0.011 min
Response: 3173129
Conc: 20.57 ug/ml



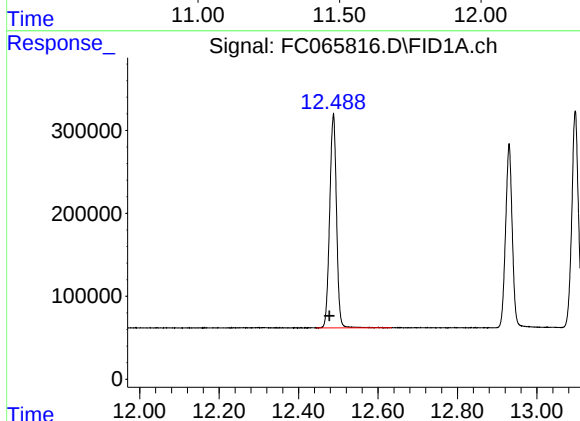
#9 ortho-Terphenyl (SURR)

R.T.: 11.499 min
Delta R.T.: 0.011 min
Response: 3487311
Conc: 20.33 ug/ml

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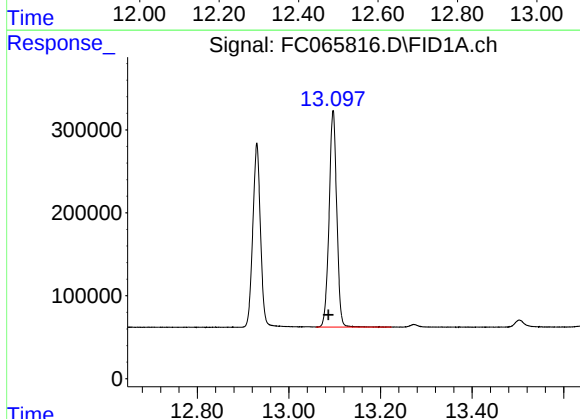
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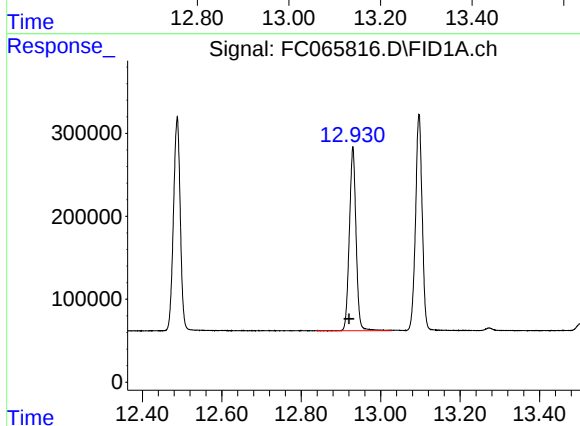
#10 n-Eicosane (C20)

R.T.: 12.487 min
Delta R.T.: 0.009 min
Response: 3069745
Conc: 20.41 ug/ml



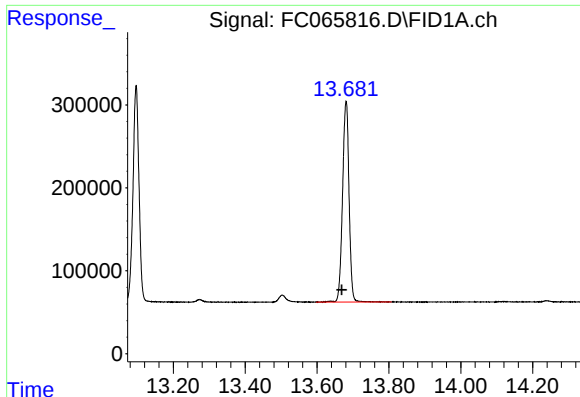
#11 n-Heneicosane (C21)

R.T.: 13.097 min
Delta R.T.: 0.010 min
Response: 3031376
Conc: 20.27 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.930 min
Delta R.T.: 0.010 min
Response: 2591277
Conc: 20.59 ug/ml



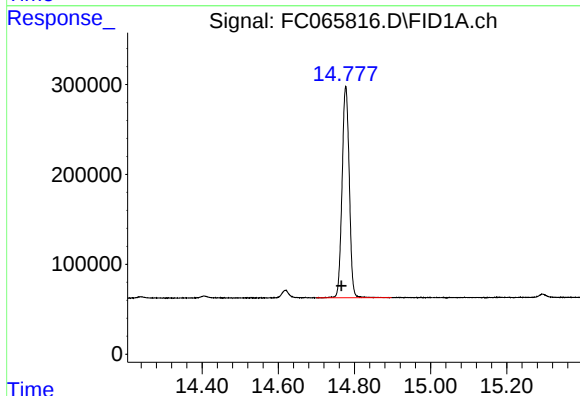
#13 n-Docosane (C22)

R.T.: 13.681 min
Delta R.T.: 0.012 min
Response: 3045992
Conc: 20.54 ug/ml

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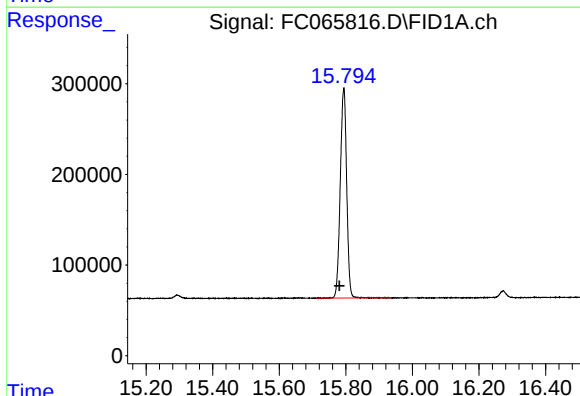
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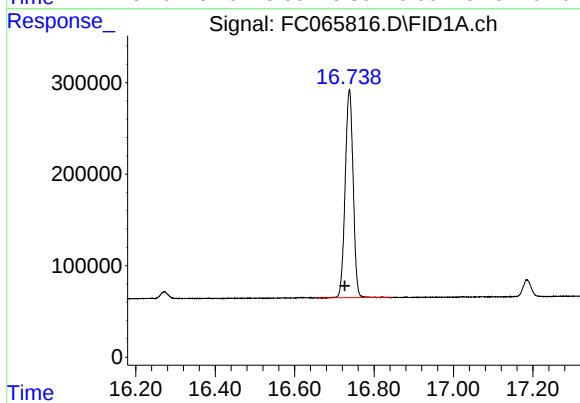
#14 n-Tetracosane (C24)

R.T.: 14.777 min
Delta R.T.: 0.011 min
Response: 3076866
Conc: 20.69 ug/ml



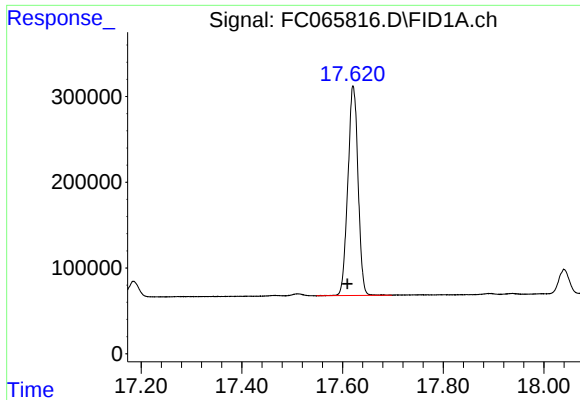
#15 n-Hexacosane (C26)

R.T.: 15.794 min
Delta R.T.: 0.012 min
Response: 3098650
Conc: 20.91 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.738 min
Delta R.T.: 0.012 min
Response: 3174727
Conc: 21.64 ug/ml



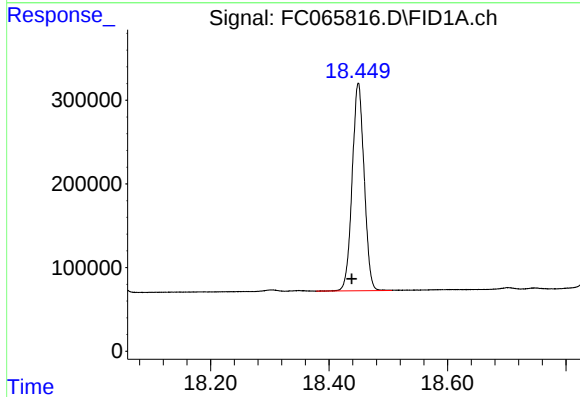
#17 n-Tricontane (C30)

R.T.: 17.621 min
Delta R.T.: 0.012 min
Response: 3440422
Conc: 22.92 ug/ml

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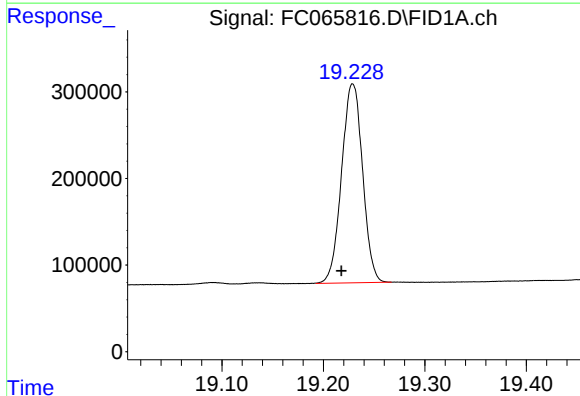
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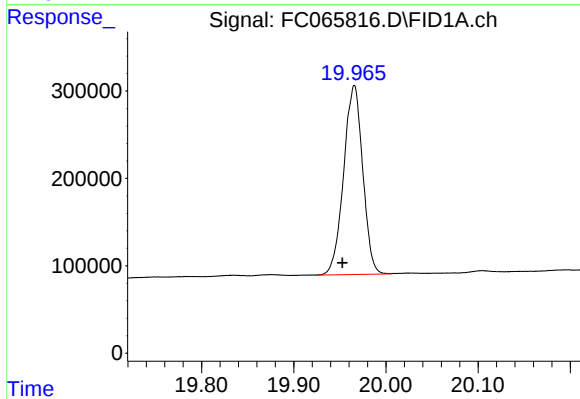
#18 n-Dotriacontane (C32)

R.T.: 18.449 min
Delta R.T.: 0.011 min
Response: 3485336
Conc: 23.57 ug/ml



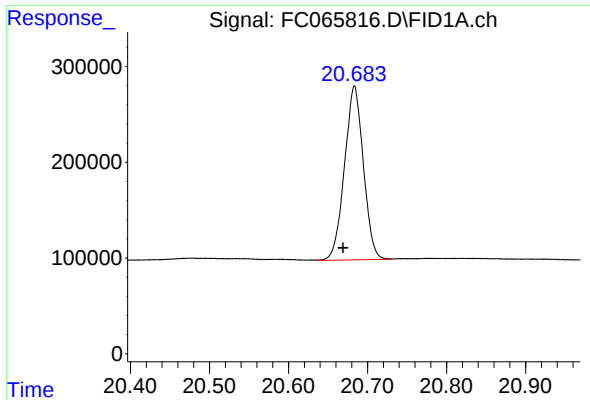
#19 n-Tetratriacontane (C34)

R.T.: 19.228 min
Delta R.T.: 0.010 min
Response: 3302251
Conc: 22.78 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.965 min
Delta R.T.: 0.012 min
Response: 3119052
Conc: 21.97 ug/ml m



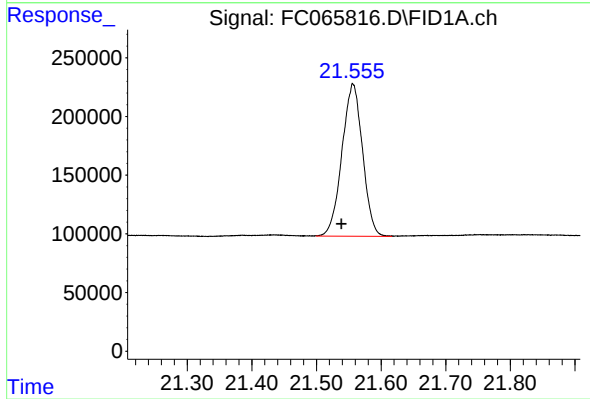
#21 n-Octatriacontane (C38)

R.T.: 20.683 min
Delta R.T.: 0.014 min
Response: 3011077
Conc: 21.27 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.555 min
Delta R.T.: 0.016 min
Response: 2878090
Conc: 20.63 ug/ml m