

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091225AL\
 Data File : FE055816.D
 Signal(s) : FID1B.ch
 Acq On : 12 Sep 2025 22:56
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/15/2025
 Supervised By :mohammad ahmed 09/16/2025

Integration File: autoint1.e
 Quant Time: Sep 13 04:47:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 082925.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 29 08:12:09 2025
 Response via : Initial Calibration
 Integrator: ChemStation

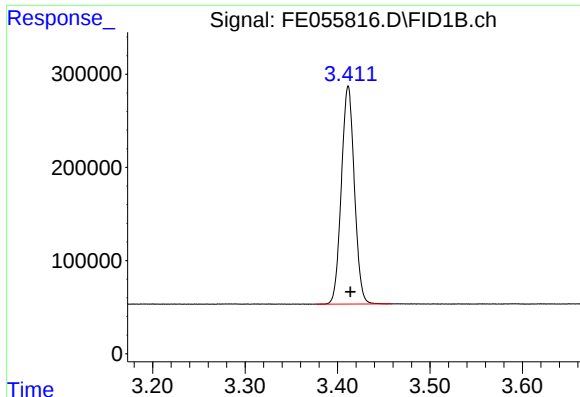
Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.069	3038969	18.498 ug/ml
Spiked Amount 50.000		Recovery =	37.00%
12) S 1-chlorooctadecane (S...	13.506	2271852	18.168 ug/ml
Spiked Amount 50.000		Recovery =	36.34%
Target Compounds			
1) T n-Nonane (C9)	3.412	2289564	18.042 ug/ml
2) T n-Decane (C10)	4.669	2430973	18.977 ug/ml
3) T A~Naphthalene (C11.7)	6.387	2733898	18.817 ug/ml
4) T n-Dodecane (C12)	6.843	2526276	19.401 ug/ml
5) T A~2-methylnaphthalene...	7.487	2675153	19.020 ug/ml
6) T n-Tetradecane (C14)	8.679	2585485	19.633 ug/ml
7) T n-Hexadecane (C16)	10.294	2736687	19.760 ug/ml
8) T n-Octadecane (C18)	11.743	2825782	19.373 ug/mlm
10) T n-Eicosane (C20)	13.058	2709177	18.821 ug/ml
11) T n-Heneicosane (C21)	13.672	2624882	18.376 ug/ml
13) T n-Docosane (C22)	14.260	2584110	18.052 ug/ml
14) T n-Tetracosane (C24)	15.367	2578401	17.819 ug/ml
15) T n-Hexacosane (C26)	16.390	2495992	17.471 ug/ml
16) T n-Octacosane (C28)	17.342	2575340	18.106 ug/ml
17) T n-Tricontane (C30)	18.231	2857097	19.328 ug/ml
18) T n-Dotriacontane (C32)	19.067	3047195	20.761 ug/ml
19) T n-Tetratriacontane (C34)	19.851	2866929	20.292 ug/ml
20) T n-Hexatriacontane (C36)	20.592	2585456	19.593 ug/ml
21) T n-Octatriacontane (C38)	21.368	2381300	18.284 ug/ml
22) T n-Tetracontane (C40)	22.349	2329399	18.164 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.



#1 n-Nonane (C9)

R.T.: 3.412 min
Delta R.T.: -0.002 min
Response: 2289564
Conc: 18.04 ug/ml

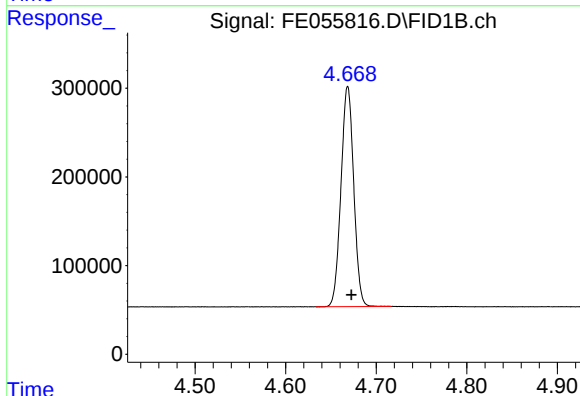
Instrument :

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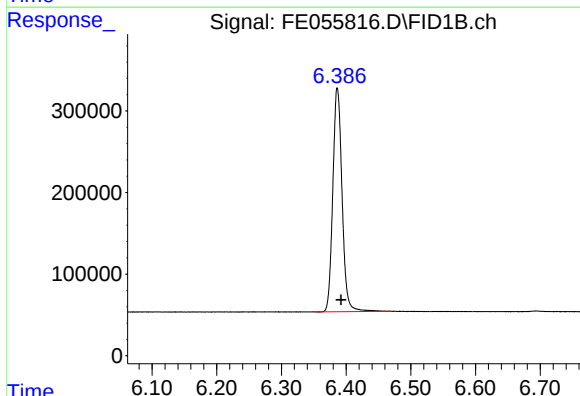
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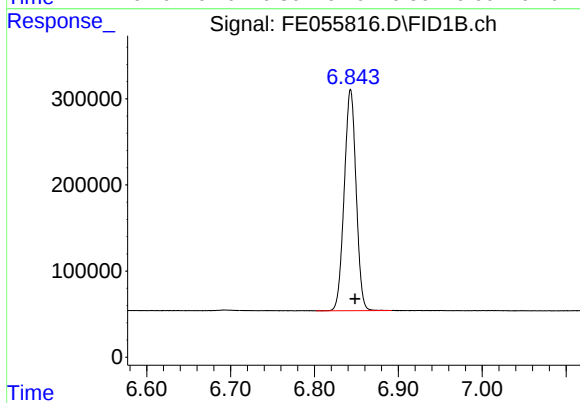
#2 n-Decane (C10)

R.T.: 4.669 min
Delta R.T.: -0.004 min
Response: 2430973
Conc: 18.98 ug/ml



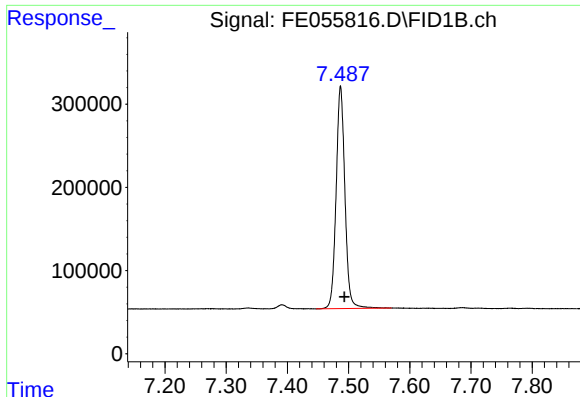
#3 A~Naphthalene (C11.7)

R.T.: 6.387 min
Delta R.T.: -0.005 min
Response: 2733898
Conc: 18.82 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.843 min
Delta R.T.: -0.005 min
Response: 2526276
Conc: 19.40 ug/ml



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

R.T.: 7.487 min
Delta R.T.: -0.006 min
Response: 2675153
Conc: 19.02 ug/ml

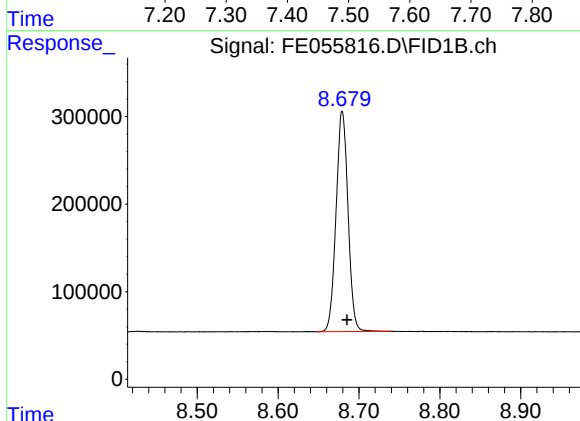
Instrument :

FID_E

ClientSampleId :

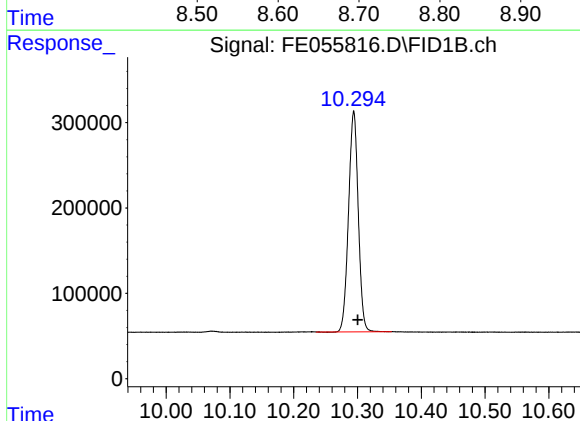
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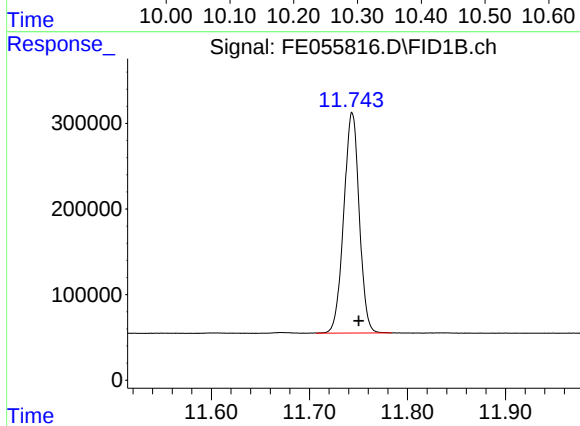
#6 n-Tetradecane (C14)

R.T.: 8.679 min
Delta R.T.: -0.006 min
Response: 2585485
Conc: 19.63 ug/ml



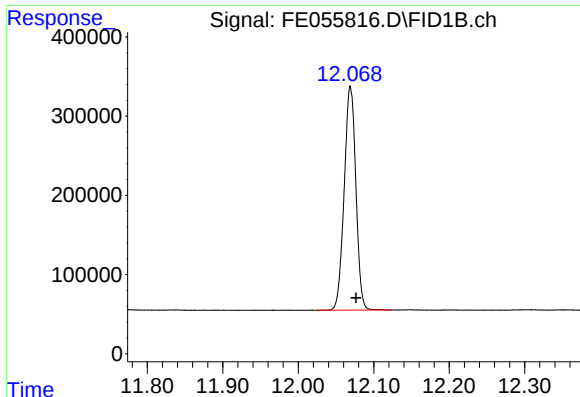
#7 n-Hexadecane (C16)

R.T.: 10.294 min
Delta R.T.: -0.006 min
Response: 2736687
Conc: 19.76 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.743 min
Delta R.T.: -0.007 min
Response: 2825782
Conc: 19.37 ug/ml m



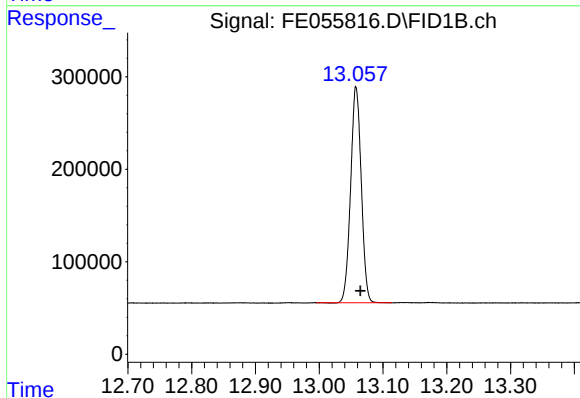
#9 ortho-Terphenyl (SURR)

R.T.: 12.069 min
Delta R.T.: -0.008 min
Response: 3038969
Conc: 18.50 ug/ml

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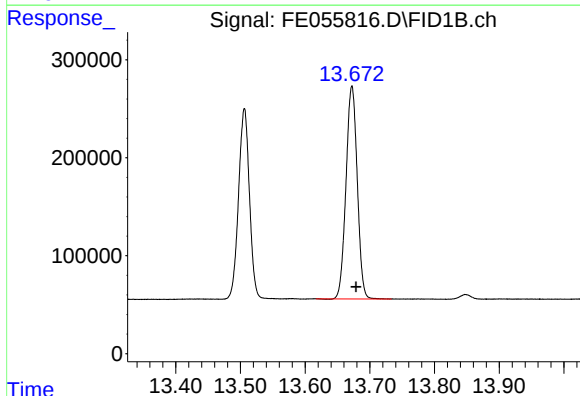
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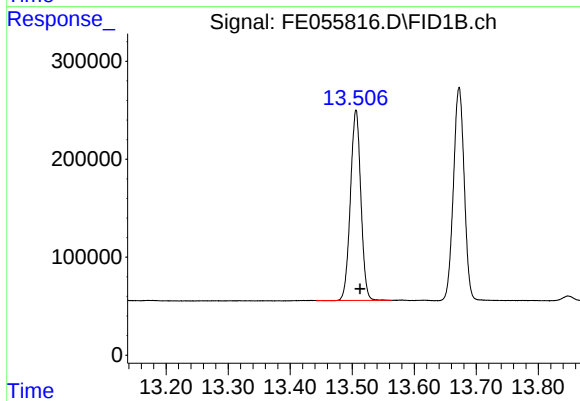
#10 n-Eicosane (C20)

R.T.: 13.058 min
Delta R.T.: -0.007 min
Response: 2709177
Conc: 18.82 ug/ml



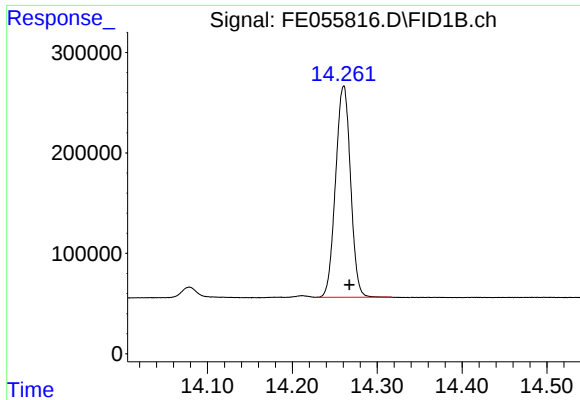
#11 n-Heneicosane (C21)

R.T.: 13.672 min
Delta R.T.: -0.007 min
Response: 2624882
Conc: 18.38 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.506 min
Delta R.T.: -0.007 min
Response: 2271852
Conc: 18.17 ug/ml



#13 n-Docosane (C22)

R.T.: 14.260 min
Delta R.T.: -0.007 min
Response: 2584110
Conc: 18.05 ug/ml

Instrument :

FID_E

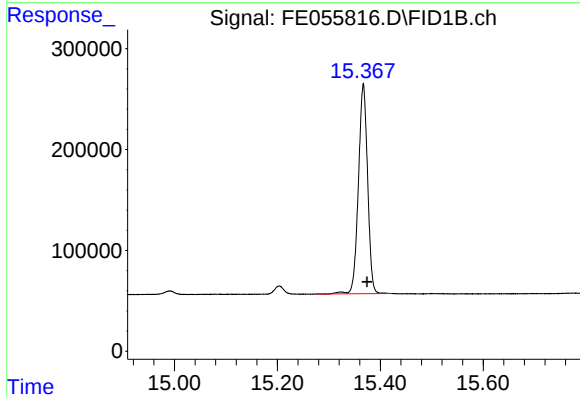
ClientSampleId :

Manual Integrations

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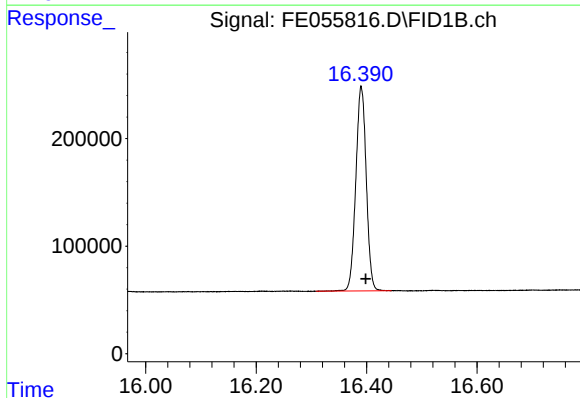
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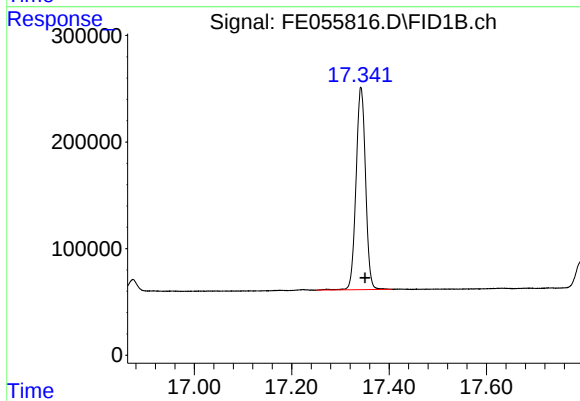
#14 n-Tetracosane (C24)

R.T.: 15.367 min
Delta R.T.: -0.008 min
Response: 2578401
Conc: 17.82 ug/ml



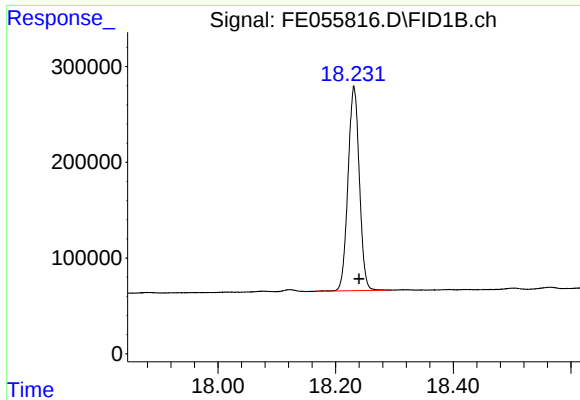
#15 n-Hexacosane (C26)

R.T.: 16.390 min
Delta R.T.: -0.008 min
Response: 2495992
Conc: 17.47 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.342 min
Delta R.T.: -0.008 min
Response: 2575340
Conc: 18.11 ug/ml



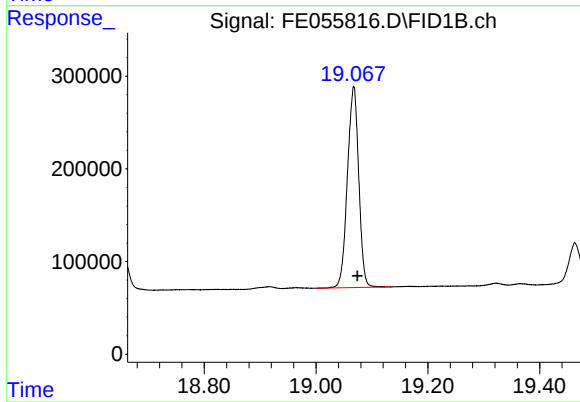
#17 n-Tricontane (C30)

R.T.: 18.231 min
Delta R.T.: -0.008 min
Response: 2857097
Conc: 19.33 ug/ml

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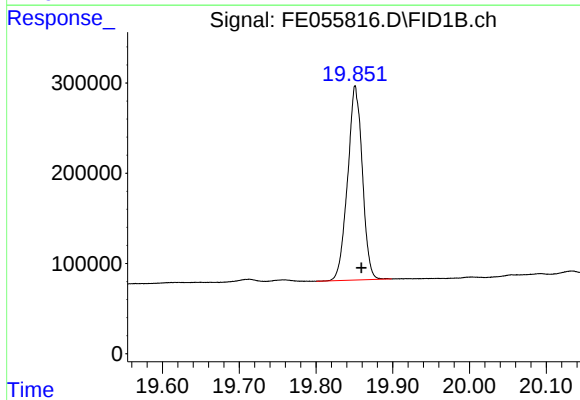
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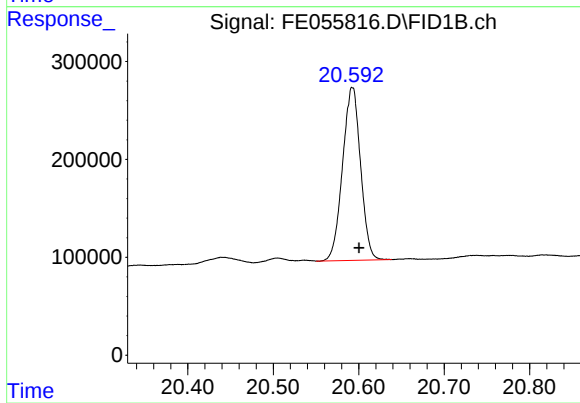
#18 n-Dotriacontane (C32)

R.T.: 19.067 min
Delta R.T.: -0.006 min
Response: 3047195
Conc: 20.76 ug/ml



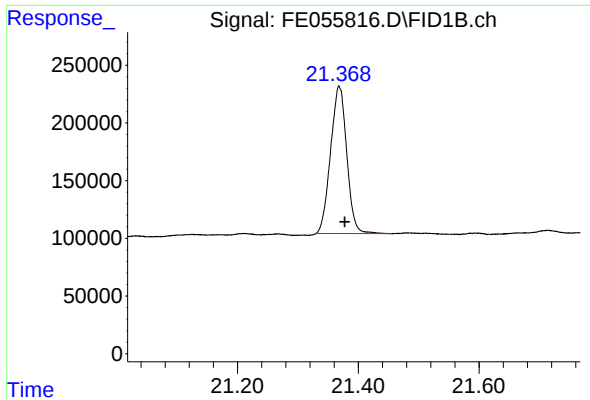
#19 n-Tetratriacontane (C34)

R.T.: 19.851 min
Delta R.T.: -0.008 min
Response: 2866929
Conc: 20.29 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.592 min
Delta R.T.: -0.008 min
Response: 2585456
Conc: 19.59 ug/ml



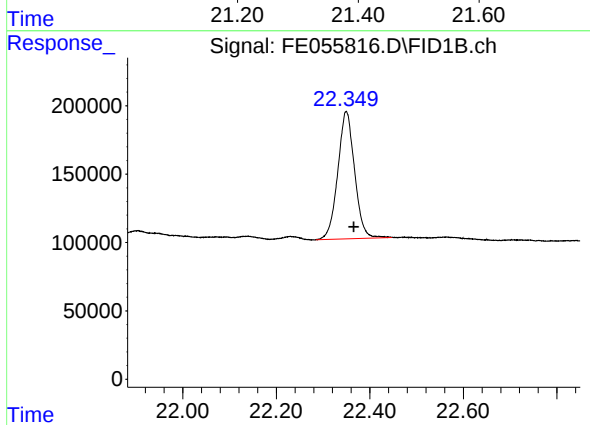
#21 n-Octatriacontane (C38)

R.T.: 21.368 min
Delta R.T.: -0.009 min
Response: 2381300
Conc: 18.28 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.349 min
Delta R.T.: -0.017 min
Response: 2329399
Conc: 18.16 ug/ml m