

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE012325AL\
 Data File : FE052009.D
 Signal(s) : FID1B.ch
 Acq On : 23 Jan 2025 07:29
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/24/2025
 Supervised By :Sohil Jodhani 01/24/2025

Integration File: autoint1.e
 Quant Time: Jan 24 01:47:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 011625.M
 Quant Title : GC Extractables
 QLast Update : Thu Jan 16 16:05:07 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)	12.205	2558801	17.903 ug/ml
Spiked Amount 50.000		Recovery =	35.81%
12) S 1-chlorooctadecane (S...	13.620	1987390	17.325 ug/ml
Spiked Amount 50.000		Recovery =	34.65%
Target Compounds			
1) T n-Nonane (C9)	3.686	1911877	17.933 ug/ml
2) T n-Decane (C10)	4.913	2039076	18.625 ug/ml
3) T A~Naphthalene (C11.7)	6.608	2318951	19.083 ug/ml
4) T n-Dodecane (C12)	7.040	2135068	18.917 ug/ml
5) T A~2-methylnaphthalene...	7.688	2290575	19.187 ug/ml
6) T n-Tetradecane (C14)	8.846	2194840	18.871 ug/ml
7) T n-Hexadecane (C16)	10.439	2327769	18.457 ug/ml
8) T n-Octadecane (C18)	11.872	2381227	17.998 ug/mlm
10) T n-Eicosane (C20)	13.174	2313486	17.647 ug/ml
11) T n-Heneicosane (C21)	13.782	2269766	17.438 ug/ml
13) T n-Docosane (C22)	14.365	2295970	17.495 ug/ml
14) T n-Tetracosane (C24)	15.463	2348462	17.680 ug/ml
15) T n-Hexacosane (C26)	16.480	2366588	17.903 ug/ml
16) T n-Octacosane (C28)	17.426	2405957	18.229 ug/ml
17) T n-Tricontane (C30)	18.312	2573882	18.878 ug/ml
18) T n-Dotriacontane (C32)	19.141	2502628	19.096 ug/ml
19) T n-Tetratriacontane (C34)	19.922	2110601	18.747 ug/mlm
20) T n-Hexatriacontane (C36)	20.660	1802412	18.976 ug/mlm
21) T n-Octatriacontane (C38)	21.448	1635014	18.928 ug/ml
22) T n-Tetracontane (C40)	22.450	1665963	20.215 ug/mlm

(f)=RT Delta > 1/2 Window

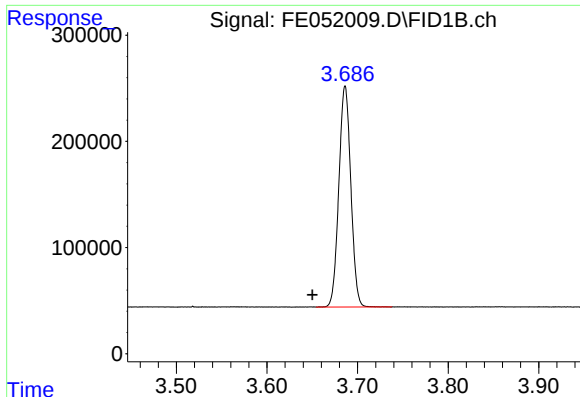
(m)=manual int.

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





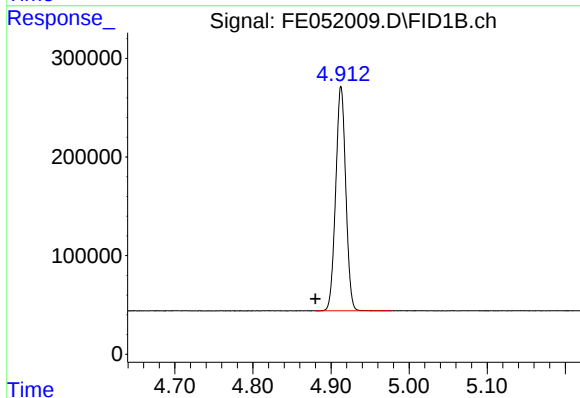
#1 n-Nonane (C9)

R.T.: 3.686 min
Delta R.T.: 0.036 min
Response: 1911877
Conc: 17.93 ug/ml

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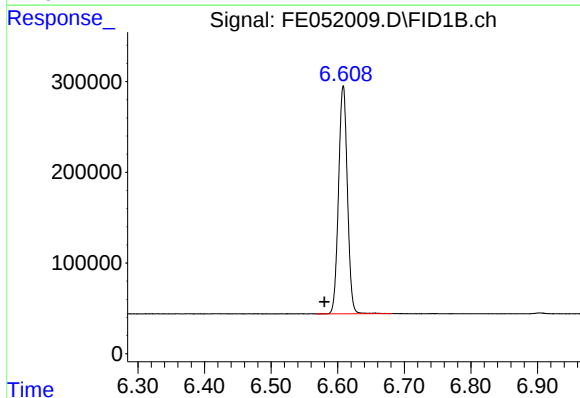
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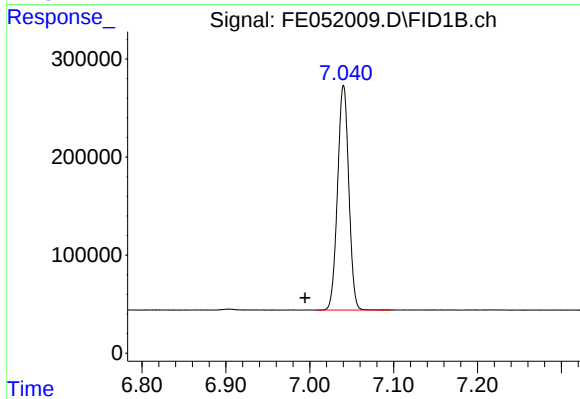
#2 n-Decane (C10)

R.T.: 4.913 min
Delta R.T.: 0.033 min
Response: 2039076
Conc: 18.63 ug/ml



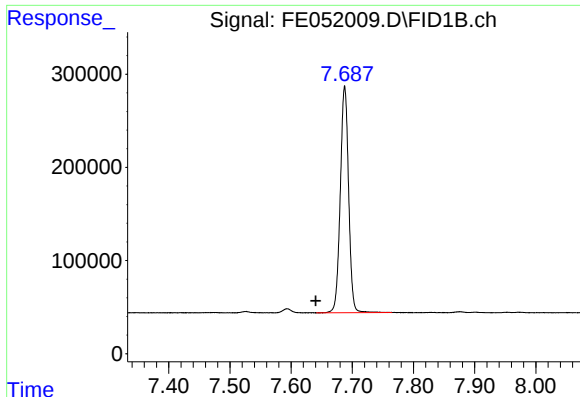
#3 A~Naphthalene (C11.7)

R.T.: 6.608 min
Delta R.T.: 0.028 min
Response: 2318951
Conc: 19.08 ug/ml



#4 n-Dodecane (C12)

R.T.: 7.040 min
Delta R.T.: 0.046 min
Response: 2135068
Conc: 18.92 ug/ml



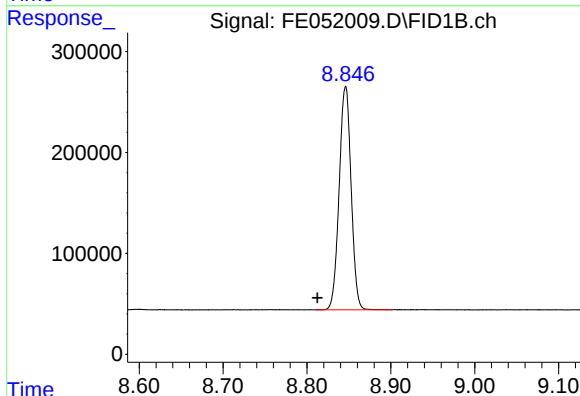
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.688 min
Delta R.T.: 0.047 min
Response: 2290575
Conc: 19.19 ug/ml

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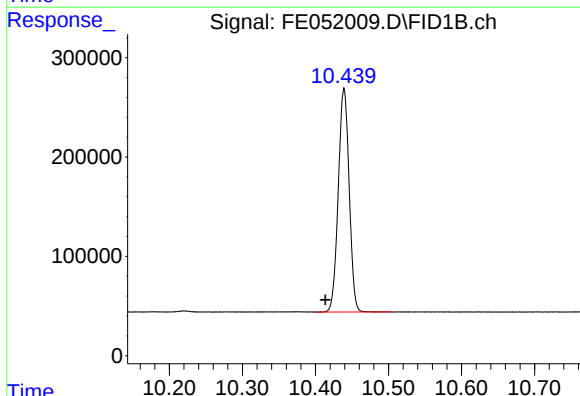
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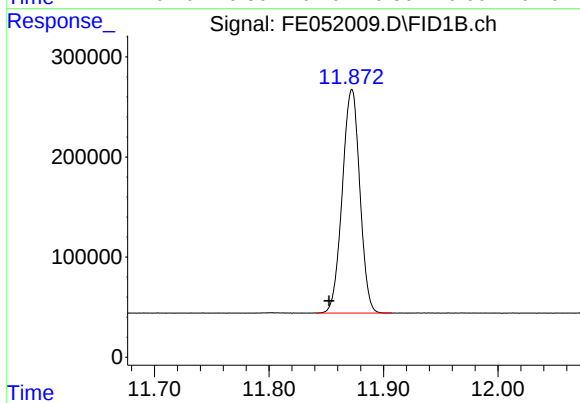
#6 n-Tetradecane (C14)

R.T.: 8.846 min
Delta R.T.: 0.034 min
Response: 2194840
Conc: 18.87 ug/ml



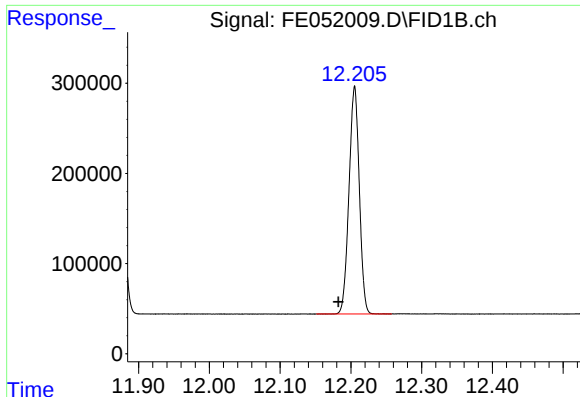
#7 n-Hexadecane (C16)

R.T.: 10.439 min
Delta R.T.: 0.026 min
Response: 2327769
Conc: 18.46 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.872 min
Delta R.T.: 0.020 min
Response: 2381227
Conc: 18.00 ug/ml m



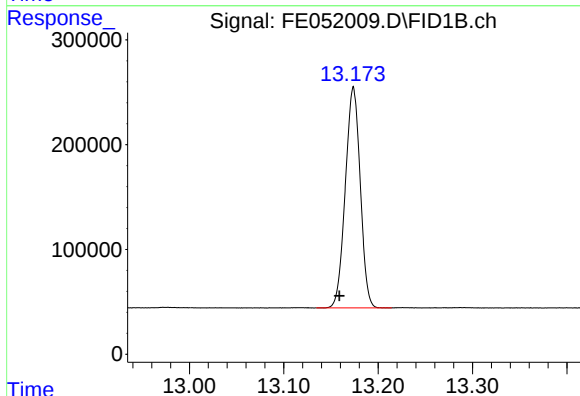
#9 ortho-Terphenyl (SURR)

R.T.: 12.205 min
Delta R.T.: 0.023 min
Response: 2558801
Conc: 17.90 ug/ml

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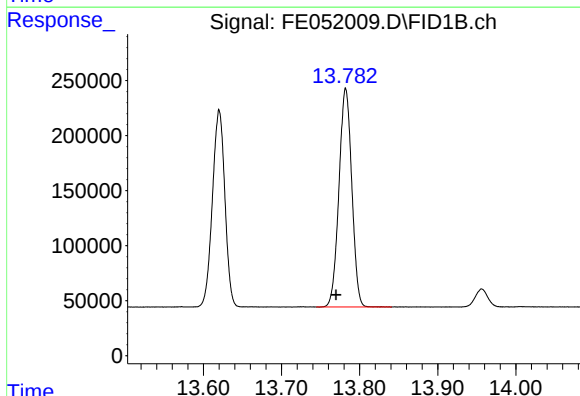
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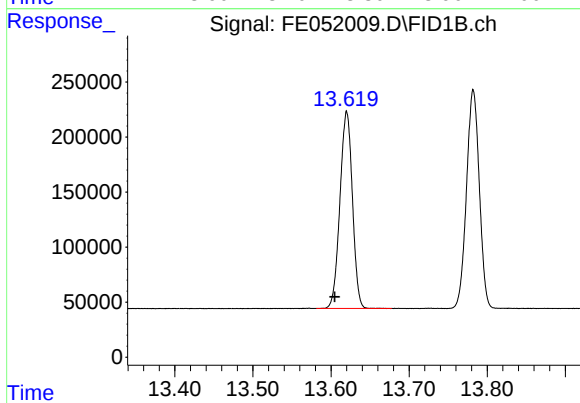
#10 n-Eicosane (C20)

R.T.: 13.174 min
Delta R.T.: 0.015 min
Response: 2313486
Conc: 17.65 ug/ml



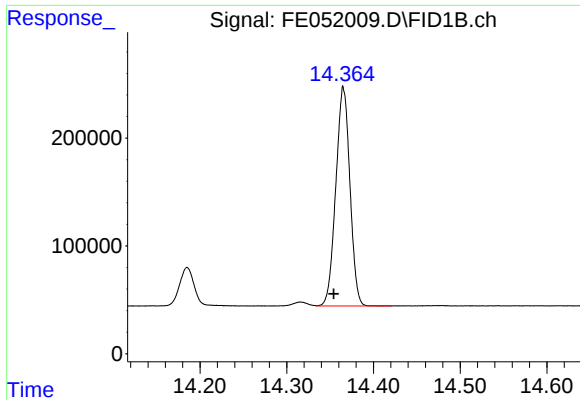
#11 n-Heneicosane (C21)

R.T.: 13.782 min
Delta R.T.: 0.013 min
Response: 2269766
Conc: 17.44 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.620 min
Delta R.T.: 0.015 min
Response: 1987390
Conc: 17.32 ug/ml



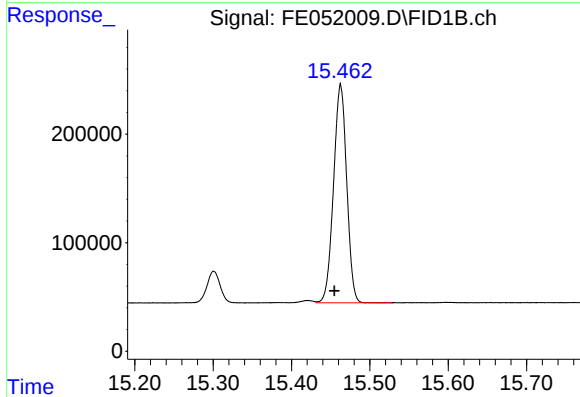
#13 n-Docosane (C22)

R.T.: 14.365 min
Delta R.T.: 0.011 min
Response: 2295970
Conc: 17.50 ug/ml

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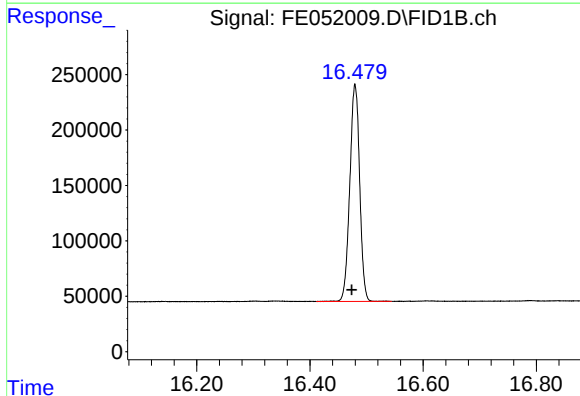
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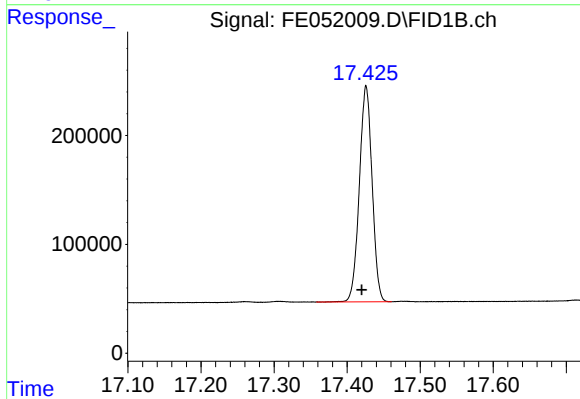
#14 n-Tetracosane (C24)

R.T.: 15.463 min
Delta R.T.: 0.008 min
Response: 2348462
Conc: 17.68 ug/ml



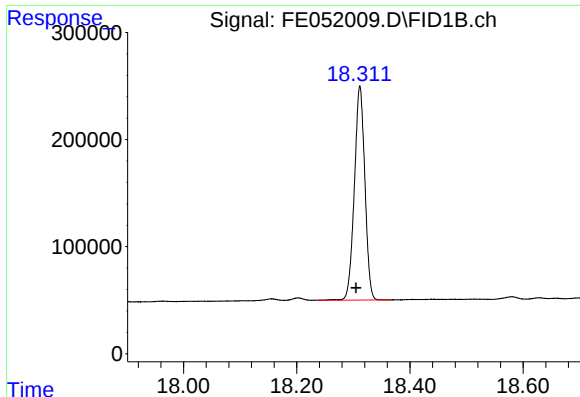
#15 n-Hexacosane (C26)

R.T.: 16.480 min
Delta R.T.: 0.006 min
Response: 2366588
Conc: 17.90 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.426 min
Delta R.T.: 0.006 min
Response: 2405957
Conc: 18.23 ug/ml



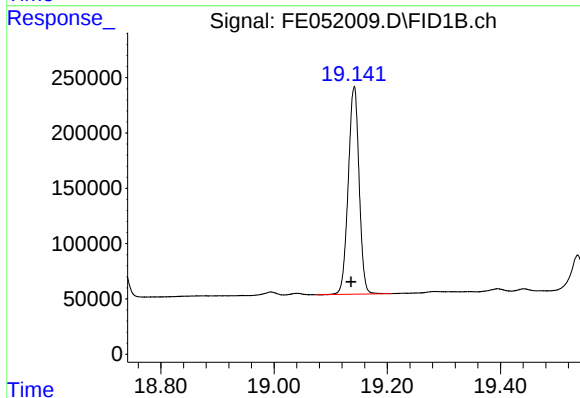
#17 n-Tricontane (C30)

R.T.: 18.312 min
Delta R.T.: 0.007 min
Response: 2573882
Conc: 18.88 ug/ml

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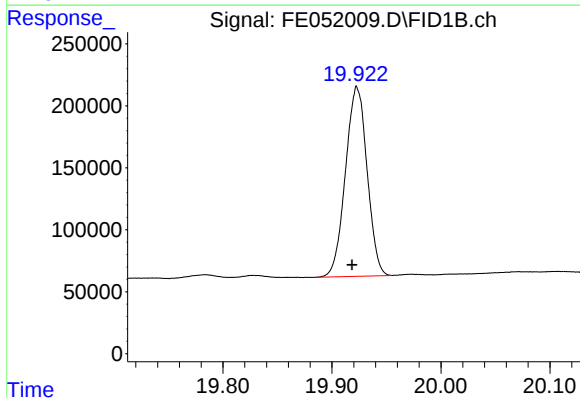
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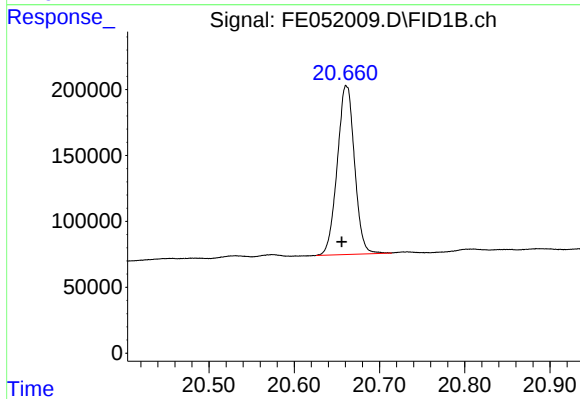
#18 n-Dotriacontane (C32)

R.T.: 19.141 min
Delta R.T.: 0.005 min
Response: 2502628
Conc: 19.10 ug/ml



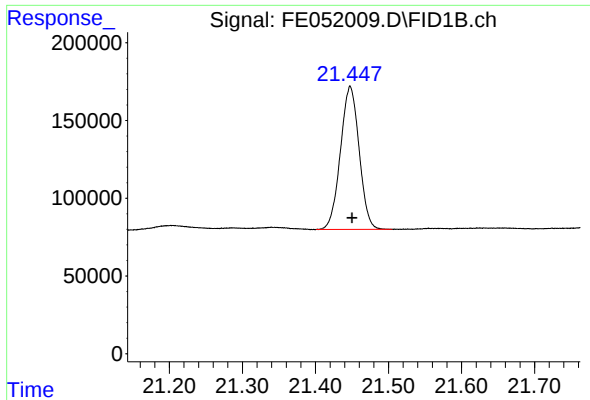
#19 n-Tetratriacontane (C34)

R.T.: 19.922 min
Delta R.T.: 0.004 min
Response: 2110601
Conc: 18.75 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.660 min
Delta R.T.: 0.004 min
Response: 1802412
Conc: 18.98 ug/ml m



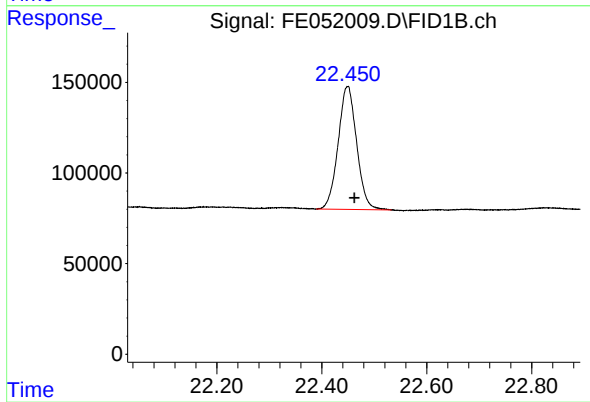
#21 n-Octatriacontane (C38)

R.T.: 21.448 min
Delta R.T.: -0.003 min
Response: 1635014
Conc: 18.93 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.450 min
Delta R.T.: -0.012 min
Response: 1665963
Conc: 20.22 ug/ml m