

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080323AL\
 Data File : FE043667.D
 Signal(s) : FID1B.ch
 Acq On : 02 Aug 2023 08:59
 Operator : YP\AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/03/2023
 Supervised By :Ankita Jodhani 08/03/2023

Integration File: autoint1.e
 Quant Time: Aug 02 09:54:48 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080323.M
 Quant Title : GC Extractables
 QLast Update : Wed Aug 02 09:54:40 2023
 Response via : Initial Calibration
 Integrator: ChemStation

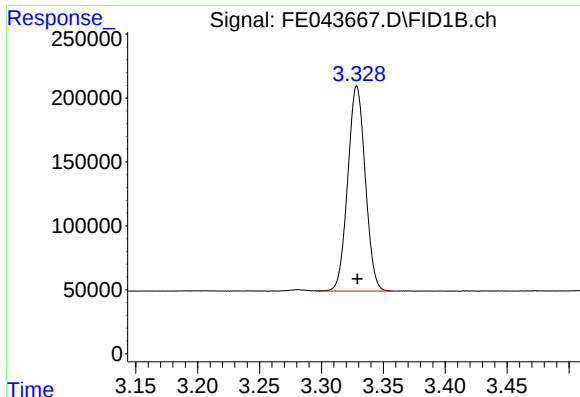
Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.938	2020741	9.863 ug/ml
Spiked Amount 50.000		Recovery =	19.73%
12) S 1-chlorooctadecane (S...	13.378	1533618	9.887 ug/ml
Spiked Amount 50.000		Recovery =	19.77%
Target Compounds			
1) T n-Nonane (C9)	3.328	1581124	9.863 ug/mlm
2) T n-Decane (C10)	4.579	1611865	9.848 ug/ml
3) T A~Naphthalene (C11.7)	6.276	1782789	9.854 ug/ml
4) T n-Dodecane (C12)	6.742	1635540	9.834 ug/ml
5) T A~2-methylnaphthalene...	7.371	1739847	9.831 ug/ml
6) T n-Tetradecane (C14)	8.568	1646445	9.842 ug/ml
7) T n-Hexadecane (C16)	10.178	1724520	9.830 ug/ml
8) T n-Octadecane (C18)	11.623	1772533	9.844 ug/ml
10) T n-Eicosane (C20)	12.933	1736385	9.874 ug/ml
11) T n-Heneicosane (C21)	13.546	1743593	9.954 ug/ml
13) T n-Docosane (C22)	14.132	1724507	9.901 ug/ml
14) T n-Tetracosane (C24)	15.237	1730307	9.915 ug/ml
15) T n-Hexacosane (C26)	16.258	1704069	9.928 ug/ml
16) T n-Octacosane (C28)	17.209	1650121	9.938 ug/ml
17) T n-Tricontane (C30)	18.099	1637840	9.992 ug/ml
18) T n-Dotriacontane (C32)	18.932	1564266	10.028 ug/ml
19) T n-Tetratriacontane (C34)	19.716	1467891	9.987 ug/ml
20) T n-Hexatriacontane (C36)	20.457	1384235	9.989 ug/ml
21) T n-Octatriacontane (C38)	21.200	1315120	9.922 ug/ml
22) T n-Tetracontane (C40)	22.126	1264372	9.867 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.



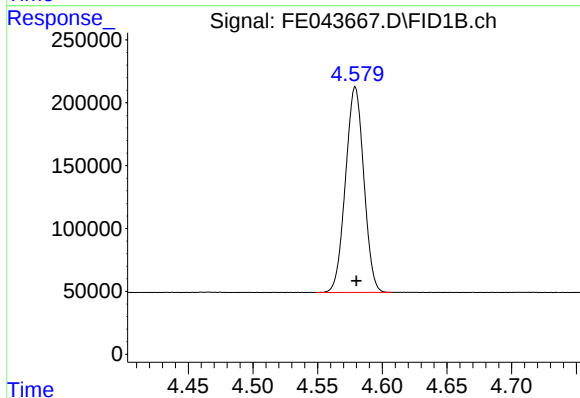
#1 n-Nonane (C9)

R.T.: 3.328 min
Delta R.T.: 0.000 min
Response: 1581124
Conc: 9.86 ug/ml

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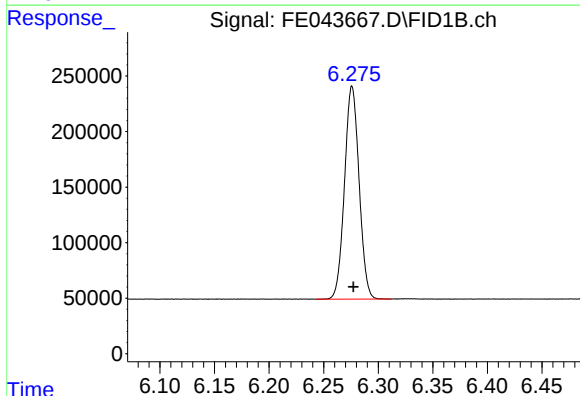
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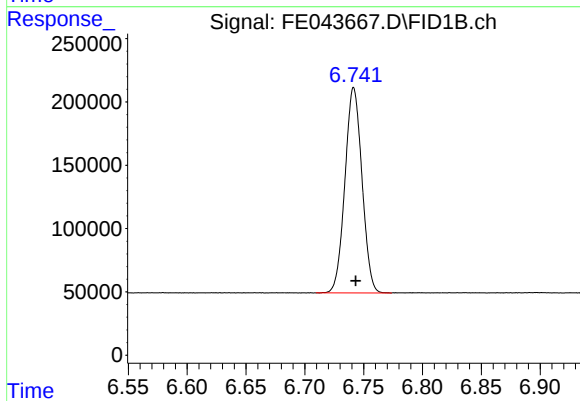
#2 n-Decane (C10)

R.T.: 4.579 min
Delta R.T.: 0.000 min
Response: 1611865
Conc: 9.85 ug/ml



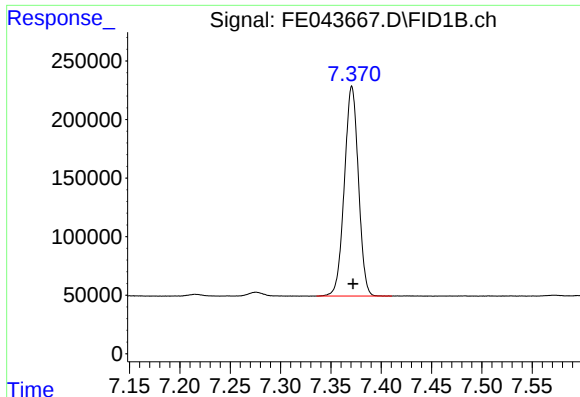
#3 A~Naphthalene (C11.7)

R.T.: 6.276 min
Delta R.T.: -0.001 min
Response: 1782789
Conc: 9.85 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.742 min
Delta R.T.: -0.002 min
Response: 1635540
Conc: 9.83 ug/ml



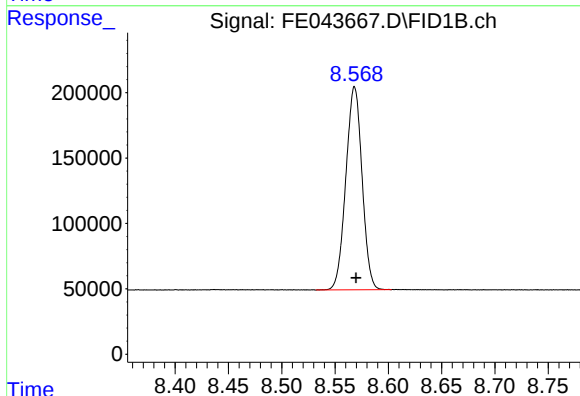
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.371 min
Delta R.T.: -0.001 min
Response: 1739847
Conc: 9.83 ug/ml

Instrument :
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10 PPM ALIPHATIC HC STD4

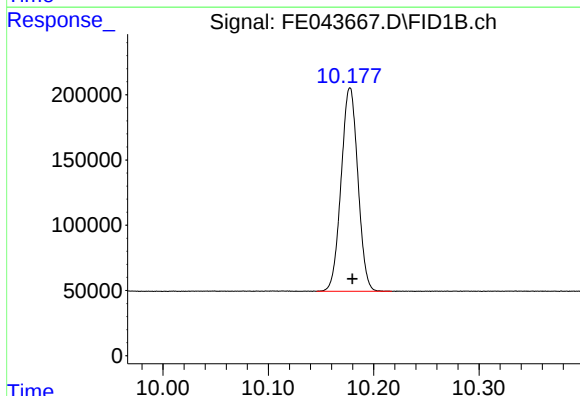
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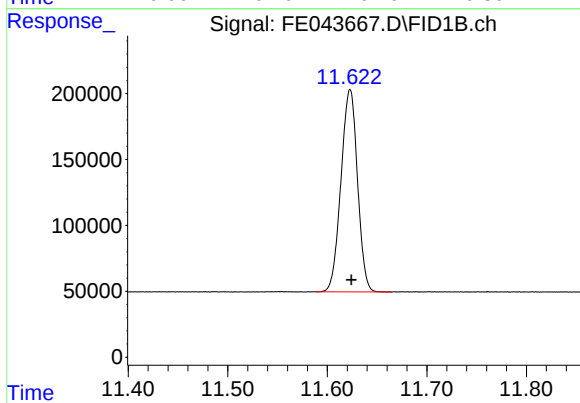
#6 n-Tetradecane (C14)

R.T.: 8.568 min
Delta R.T.: -0.001 min
Response: 1646445
Conc: 9.84 ug/ml



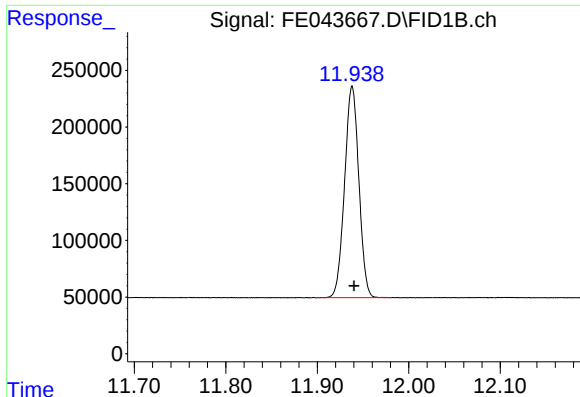
#7 n-Hexadecane (C16)

R.T.: 10.178 min
Delta R.T.: -0.002 min
Response: 1724520
Conc: 9.83 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.623 min
Delta R.T.: -0.001 min
Response: 1772533
Conc: 9.84 ug/ml



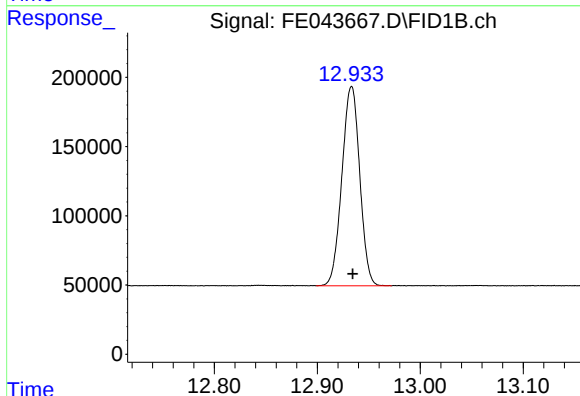
#9 ortho-Terphenyl (SURR)

R.T.: 11.938 min
Delta R.T.: -0.002 min
Response: 2020741
Conc: 9.86 ug/ml

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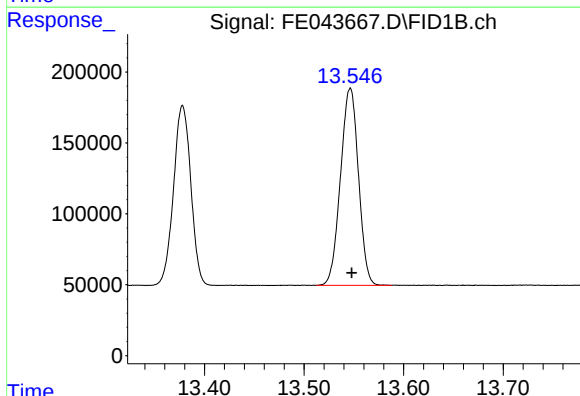
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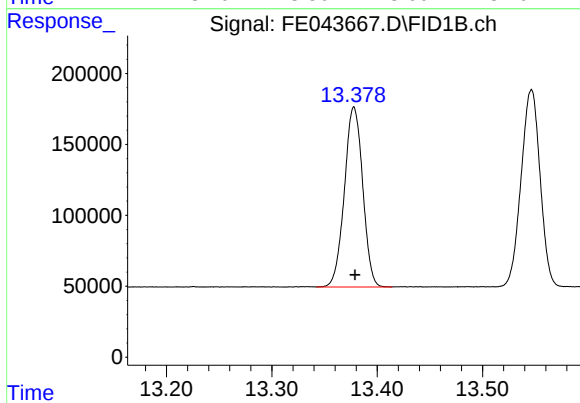
#10 n-Eicosane (C20)

R.T.: 12.933 min
Delta R.T.: 0.000 min
Response: 1736385
Conc: 9.87 ug/ml



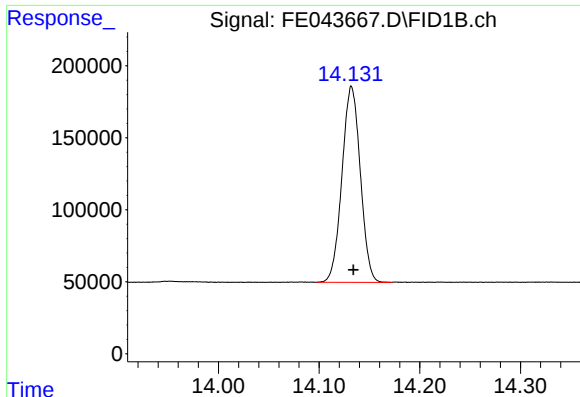
#11 n-Heneicosane (C21)

R.T.: 13.546 min
Delta R.T.: -0.001 min
Response: 1743593
Conc: 9.95 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.378 min
Delta R.T.: -0.001 min
Response: 1533618
Conc: 9.89 ug/ml



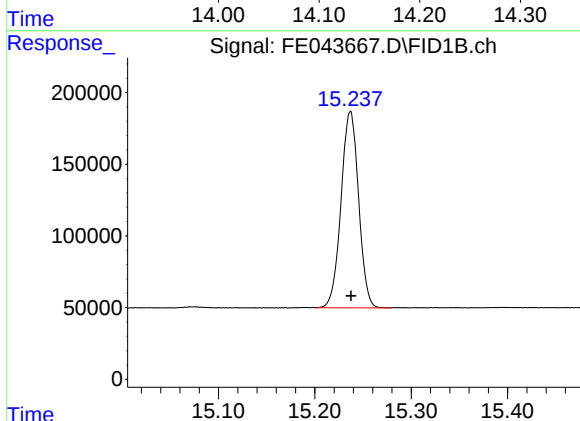
#13 n-Docosane (C22)

R.T.: 14.132 min
Delta R.T.: -0.002 min
Response: 1724507
Conc: 9.90 ug/ml

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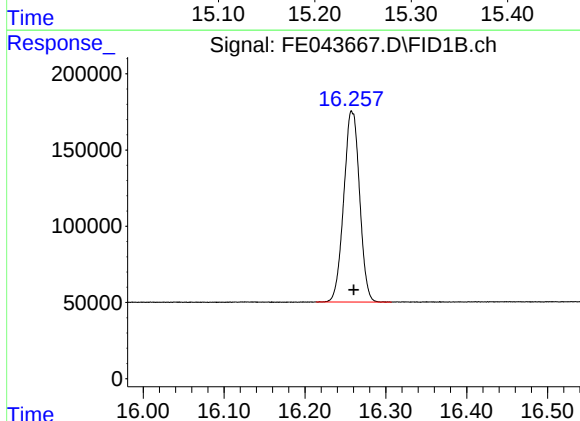
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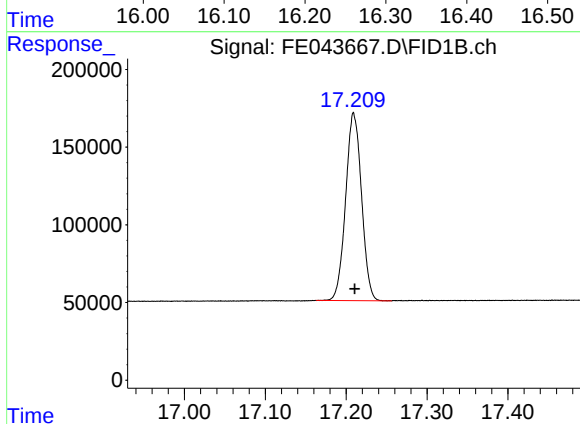
#14 n-Tetracosane (C24)

R.T.: 15.237 min
Delta R.T.: 0.000 min
Response: 1730307
Conc: 9.91 ug/ml



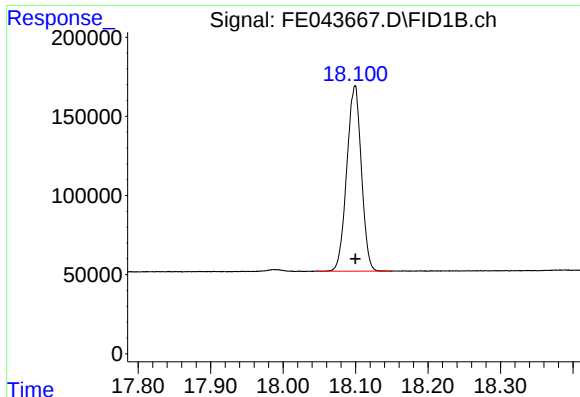
#15 n-Hexacosane (C26)

R.T.: 16.258 min
Delta R.T.: -0.002 min
Response: 1704069
Conc: 9.93 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.209 min
Delta R.T.: -0.002 min
Response: 1650121
Conc: 9.94 ug/ml



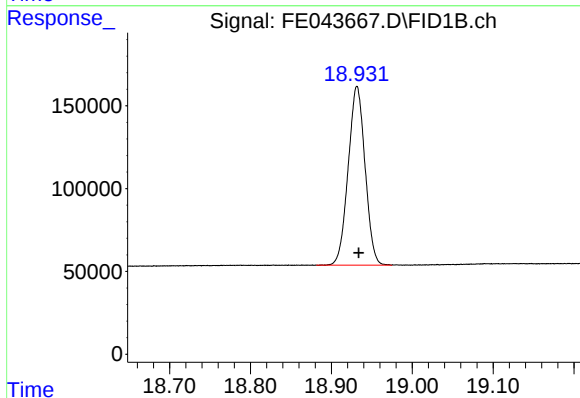
#17 n-Tricontane (C30)

R.T.: 18.099 min
Delta R.T.: 0.000 min
Response: 1637840
Conc: 9.99 ug/ml

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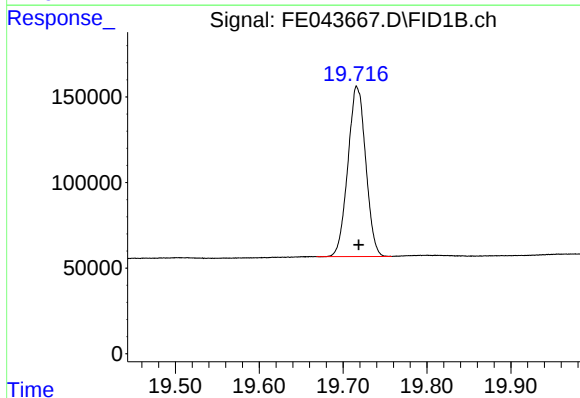
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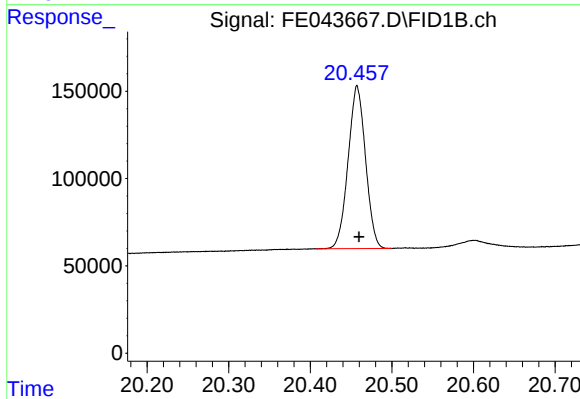
#18 n-Dotriacontane (C32)

R.T.: 18.932 min
Delta R.T.: -0.002 min
Response: 1564266
Conc: 10.03 ug/ml



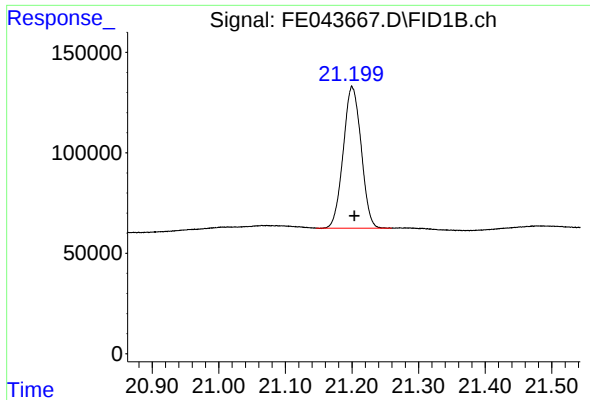
#19 n-Tetratriacontane (C34)

R.T.: 19.716 min
Delta R.T.: -0.002 min
Response: 1467891
Conc: 9.99 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.457 min
Delta R.T.: -0.002 min
Response: 1384235
Conc: 9.99 ug/ml



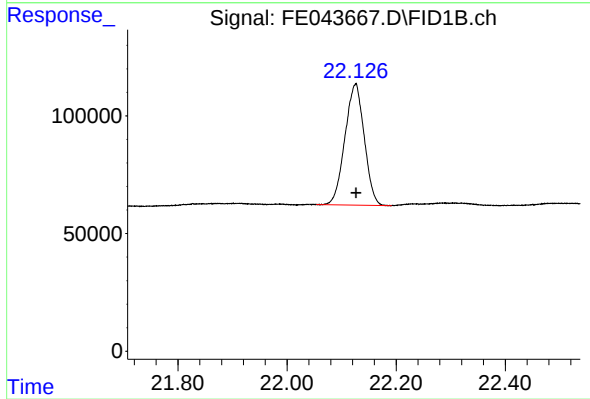
#21 n-Octatriacontane (C38)

R.T.: 21.200 min
Delta R.T.: -0.003 min
Response: 1315120
Conc: 9.92 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.126 min
Delta R.T.: 0.000 min
Response: 1264372
Conc: 9.87 ug/ml