

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE021125AL\
 Data File : FE052345.D
 Signal(s) : FID1B.ch
 Acq On : 11 Feb 2025 11:34
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/12/2025
 Supervised By :Ankita Jodhani 02/12/2025

Integration File: autoint1.e
 Quant Time: Feb 12 01:17:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
 Quant Title : GC Extractables
 QLast Update : Fri Feb 07 07:52:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

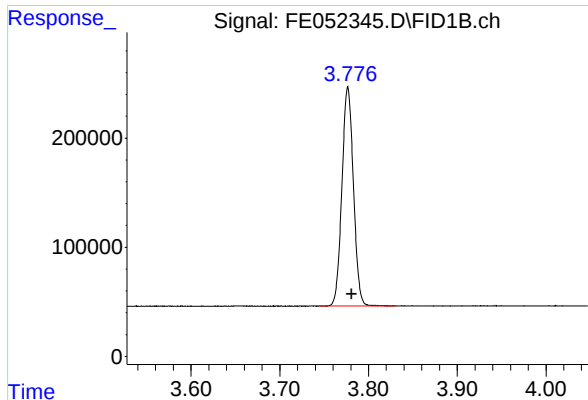
Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.311	2511946	20.295 ug/mlm
Spiked Amount 50.000		Recovery =	40.59%
12) S 1-chlorooctadecane (S...	13.723	1936878	19.626 ug/mlm
Spiked Amount 50.000		Recovery =	39.25%
Target Compounds			
1) T n-Nonane (C9)	3.777	1807176	19.348 ug/ml
2) T n-Decane (C10)	5.004	1933023	20.129 ug/ml
3) T A~Naphthalene (C11.7)	6.707	2186253	20.457 ug/ml
4) T n-Dodecane (C12)	7.134	2021114	20.391 ug/mlm
5) T A~2-methylnaphthalene...	7.788	2157235	20.597 ug/ml
6) T n-Tetradecane (C14)	8.943	2046942	20.284 ug/ml
7) T n-Hexadecane (C16)	10.539	2157897	19.886 ug/ml
8) T n-Octadecane (C18)	11.973	2212087	19.472 ug/mlm
10) T n-Eicosane (C20)	13.276	2150077	19.052 ug/ml
11) T n-Heneicosane (C21)	13.886	2118543	18.812 ug/ml
13) T n-Docosane (C22)	14.469	2117042	18.704 ug/mlm
14) T n-Tetracosane (C24)	15.567	2100438	18.268 ug/ml
15) T n-Hexacosane (C26)	16.583	2069880	18.049 ug/ml
16) T n-Octacosane (C28)	17.529	2040999	18.039 ug/ml
17) T n-Tricontane (C30)	18.413	2092999	18.368 ug/ml
18) T n-Dotriacontane (C32)	19.242	2025136	18.575 ug/ml
19) T n-Tetratriacontane (C34)	20.023	1762957	18.582 ug/ml
20) T n-Hexatriacontane (C36)	20.759	1535819	18.587 ug/ml
21) T n-Octatriacontane (C38)	21.574	1461589	19.674 ug/ml
22) T n-Tetracontane (C40)	22.616	1476342	19.802 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.



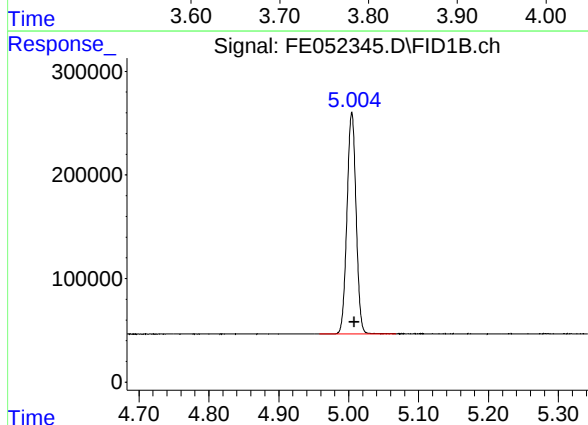
#1 n-Nonane (C9)

R.T.: 3.777 min
Delta R.T.: -0.004 min
Response: 1807176
Conc: 19.35 ug/ml

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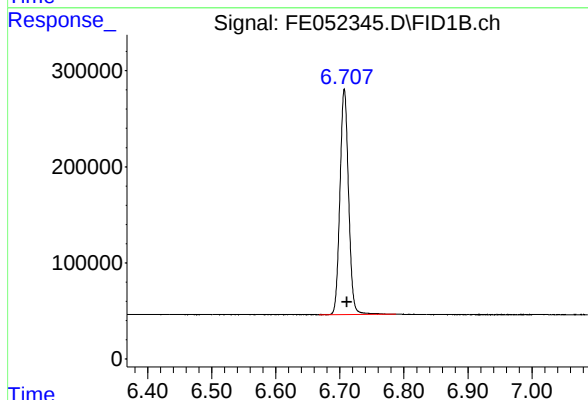
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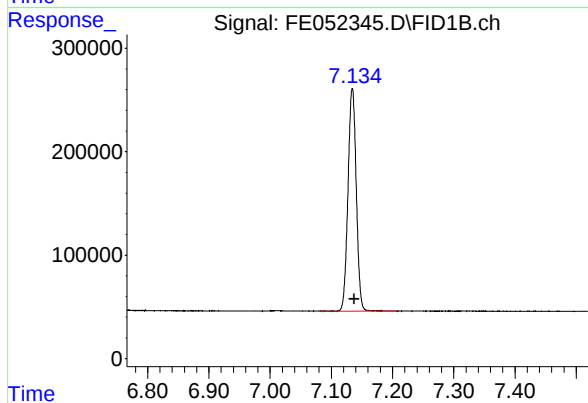
#2 n-Decane (C10)

R.T.: 5.004 min
Delta R.T.: -0.003 min
Response: 1933023
Conc: 20.13 ug/ml



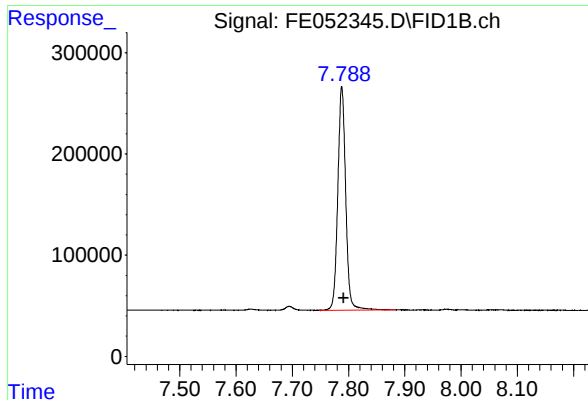
#3 A~Naphthalene (C11.7)

R.T.: 6.707 min
Delta R.T.: -0.004 min
Response: 2186253
Conc: 20.46 ug/ml



#4 n-Dodecane (C12)

R.T.: 7.134 min
Delta R.T.: -0.003 min
Response: 2021114
Conc: 20.39 ug/ml m



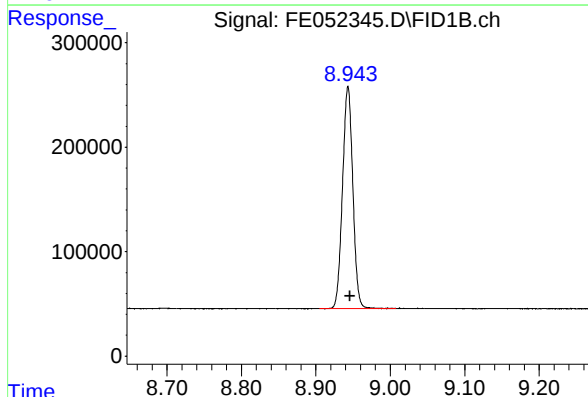
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.788 min
Delta R.T.: -0.004 min
Response: 2157235
Conc: 20.60 ug/ml

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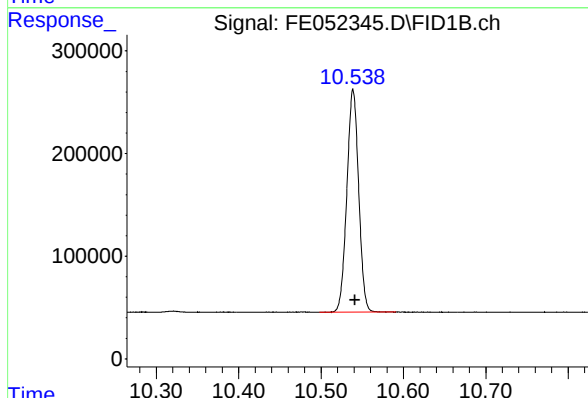
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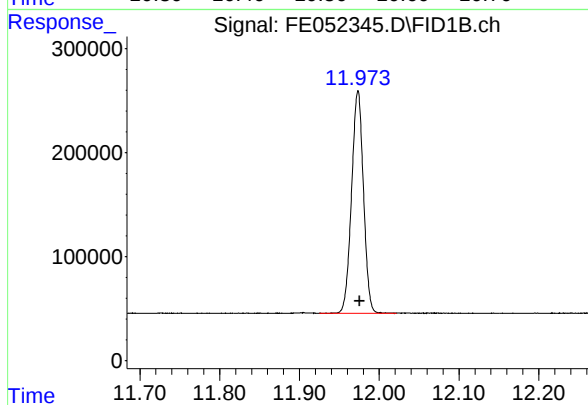
#6 n-Tetradecane (C14)

R.T.: 8.943 min
Delta R.T.: -0.003 min
Response: 2046942
Conc: 20.28 ug/ml



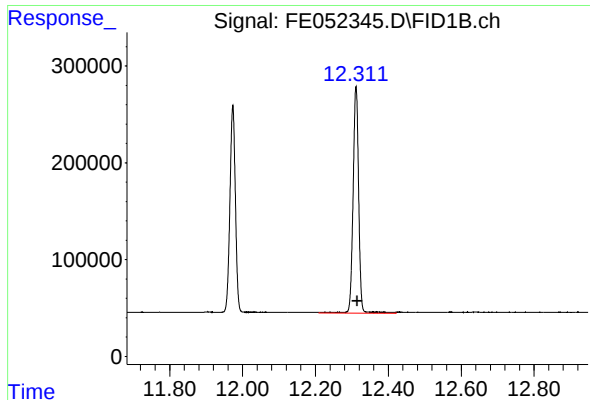
#7 n-Hexadecane (C16)

R.T.: 10.539 min
Delta R.T.: -0.002 min
Response: 2157897
Conc: 19.89 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.973 min
Delta R.T.: -0.002 min
Response: 2212087
Conc: 19.47 ug/ml m



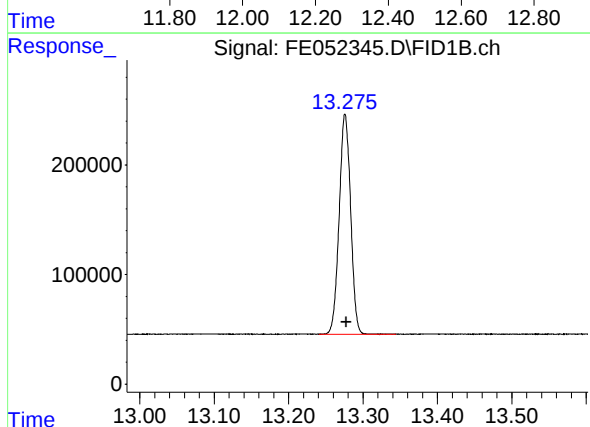
#9 ortho-Terphenyl (SURR)

R.T.: 12.311 min
Delta R.T.: -0.003 min
Response: 2511946
Conc: 20.30 ug/ml

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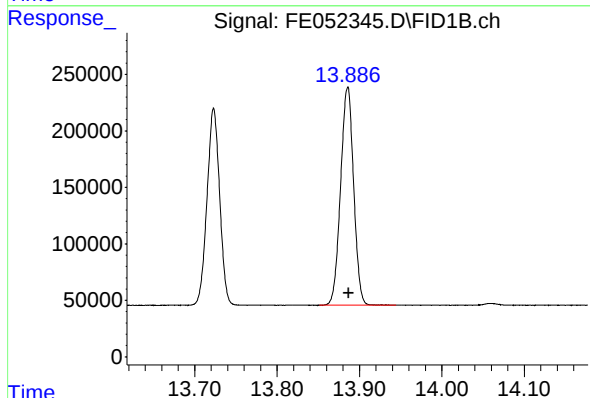
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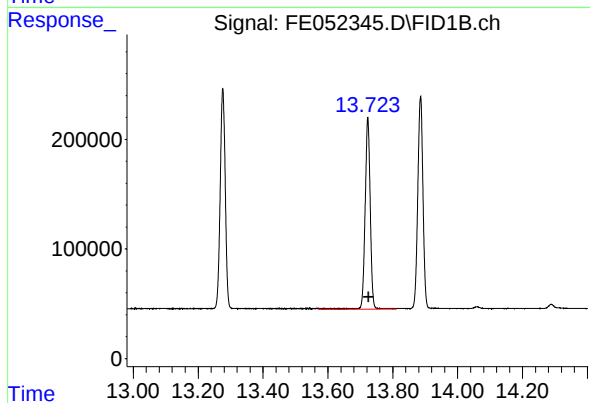
#10 n-Eicosane (C20)

R.T.: 13.276 min
Delta R.T.: -0.002 min
Response: 2150077
Conc: 19.05 ug/ml



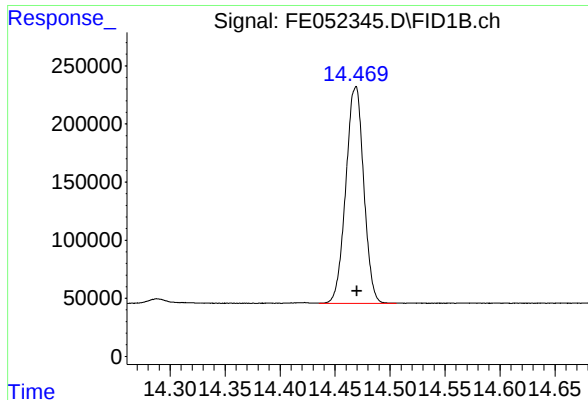
#11 n-Heneicosane (C21)

R.T.: 13.886 min
Delta R.T.: -0.001 min
Response: 2118543
Conc: 18.81 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.723 min
Delta R.T.: -0.003 min
Response: 1936878
Conc: 19.63 ug/ml m



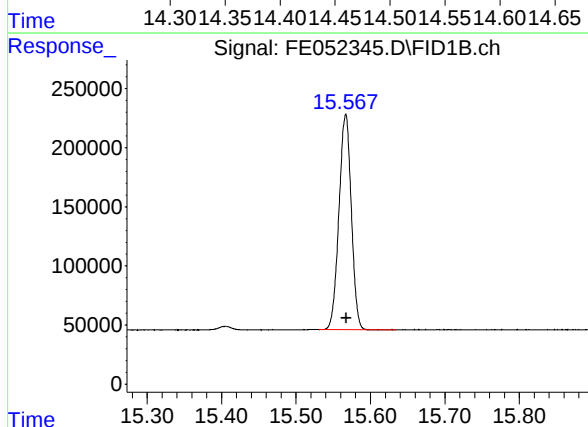
#13 n-Docosane (C22)

R.T.: 14.469 min
Delta R.T.: 0.000 min
Response: 2117042
Conc: 18.70 ug/ml

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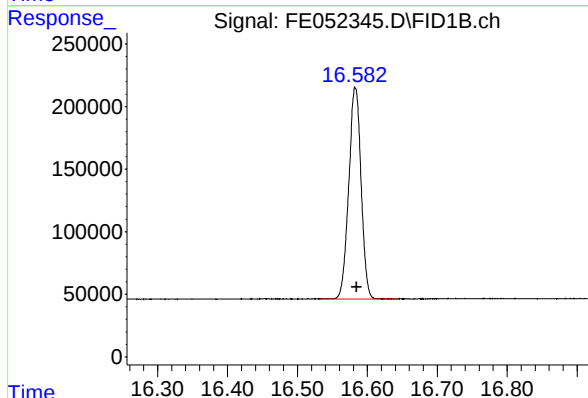
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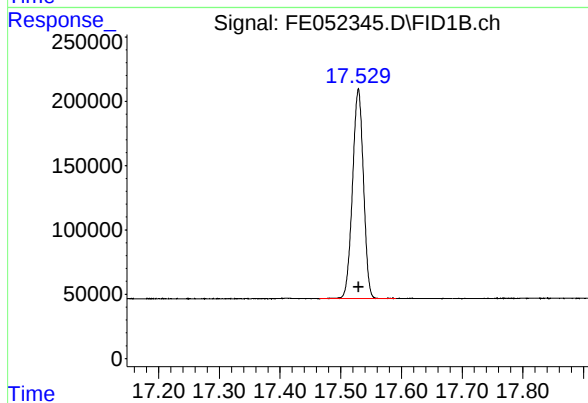
#14 n-Tetracosane (C24)

R.T.: 15.567 min
Delta R.T.: -0.001 min
Response: 2100438
Conc: 18.27 ug/ml



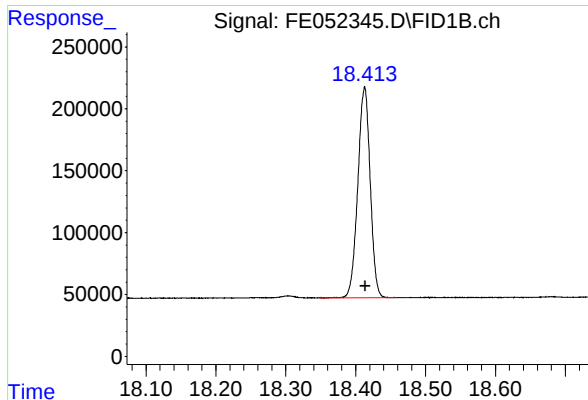
#15 n-Hexacosane (C26)

R.T.: 16.583 min
Delta R.T.: -0.002 min
Response: 2069880
Conc: 18.05 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.529 min
Delta R.T.: 0.000 min
Response: 2040999
Conc: 18.04 ug/ml



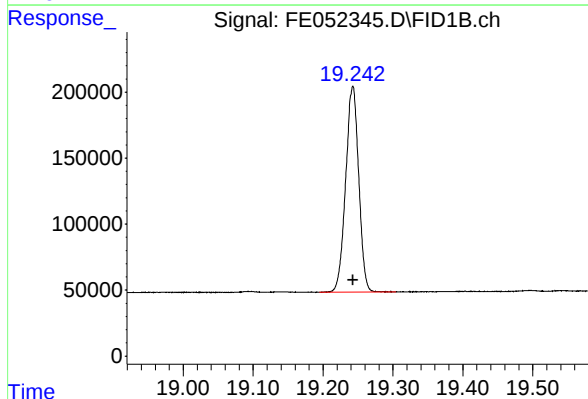
#17 n-Tricontane (C30)

R.T.: 18.413 min
Delta R.T.: -0.001 min
Response: 2092999
Conc: 18.37 ug/ml

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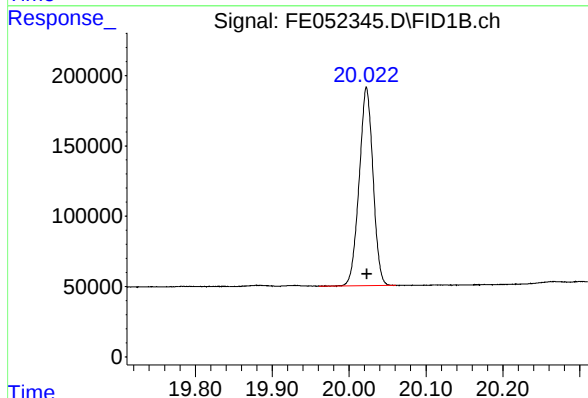
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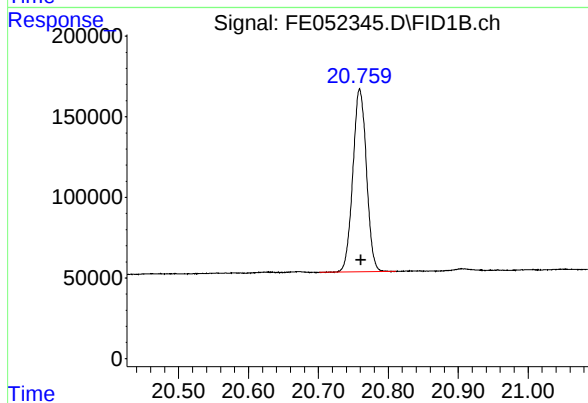
#18 n-Dotriacontane (C32)

R.T.: 19.242 min
Delta R.T.: 0.000 min
Response: 2025136
Conc: 18.57 ug/ml



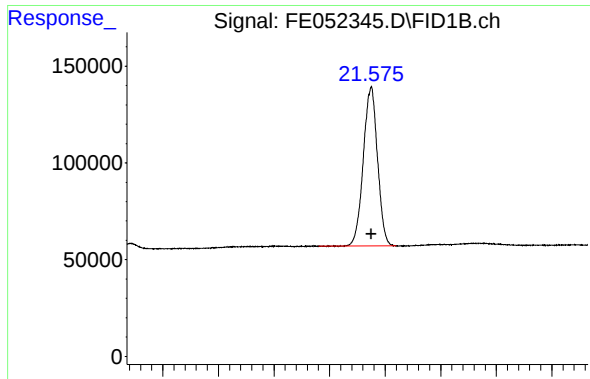
#19 n-Tetratriacontane (C34)

R.T.: 20.023 min
Delta R.T.: 0.000 min
Response: 1762957
Conc: 18.58 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.759 min
Delta R.T.: -0.002 min
Response: 1535819
Conc: 18.59 ug/ml



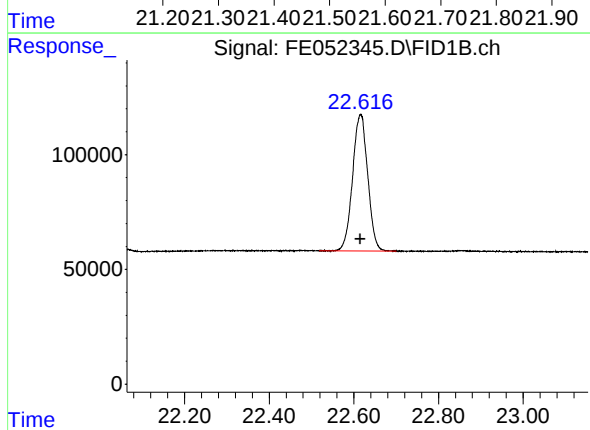
#21 n-Octatriacontane (C38)

R.T.: 21.574 min
Delta R.T.: 0.000 min
Response: 1461589
Conc: 19.67 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.616 min
Delta R.T.: 0.000 min
Response: 1476342
Conc: 19.80 ug/ml