

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF082923AL\
 Data File : FF013438.D
 Signal(s) : FID2B.ch
 Acq On : 29 Aug 2023 15:40
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/30/2023
 Supervised By :Ankita Jodhani 08/30/2023

Integration File: autoint1.e
 Quant Time: Aug 29 23:12:03 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 081023.M
 Quant Title : GC Extractables
 QLast Update : Thu Aug 10 16:05:52 2023
 Response via : Initial Calibration
 Integrator: ChemStation

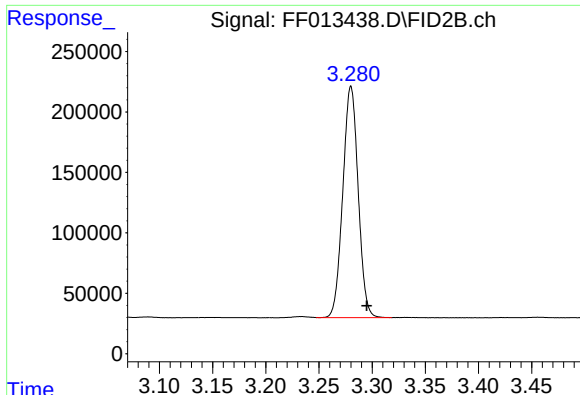
Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.893	2532824	18.435 ug/ml
Spiked Amount 50.000		Recovery =	36.87%
12) S 1-chlorooctadecane (S...	13.333	1963032	18.732 ug/ml
Spiked Amount 50.000		Recovery =	37.46%
Target Compounds			
1) T n-Nonane (C9)	3.280	1927594	18.040 ug/mlm
2) T n-Decane (C10)	4.535	1949455	18.191 ug/ml
3) T A~Naphthalene (C11.7)	6.236	2156510	18.216 ug/ml
4) T n-Dodecane (C12)	6.700	1993392	18.422 ug/ml
5) T A~2-methylnaphthalene...	7.331	2164962	18.265 ug/ml
6) T n-Tetradecane (C14)	8.527	2011958	18.639 ug/ml
7) T n-Hexadecane (C16)	10.136	2050166	18.913 ug/ml
8) T n-Octadecane (C18)	11.578	2074154	18.942 ug/ml
10) T n-Eicosane (C20)	12.888	2079666	18.952 ug/ml
11) T n-Heneicosane (C21)	13.501	2061833	18.767 ug/ml
13) T n-Docosane (C22)	14.087	2091143	19.047 ug/ml
14) T n-Tetracosane (C24)	15.191	2149379	19.564 ug/ml
15) T n-Hexacosane (C26)	16.212	2128397	19.475 ug/ml
16) T n-Octacosane (C28)	17.162	2154744	19.957 ug/ml
17) T n-Tricontane (C30)	18.049	2256879	20.637 ug/ml
18) T n-Dotriacontane (C32)	18.882	2289551	20.269 ug/ml
19) T n-Tetratriacontane (C34)	19.663	2092556	19.700 ug/mlm
20) T n-Hexatriacontane (C36)	20.404	2024200	19.205 ug/mlm
21) T n-Octatriacontane (C38)	21.136	1915695	18.967 ug/ml
22) T n-Tetracontane (C40)	22.032	2027902	20.403 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.



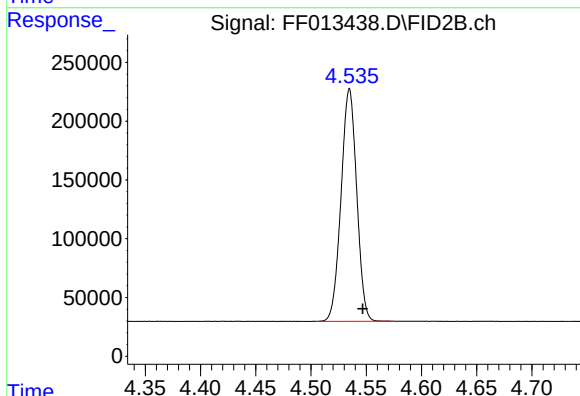
#1 n-Nonane (C9)

R.T.: 3.280 min
Delta R.T.: -0.015 min
Response: 1927594
Conc: 18.04 ug/ml

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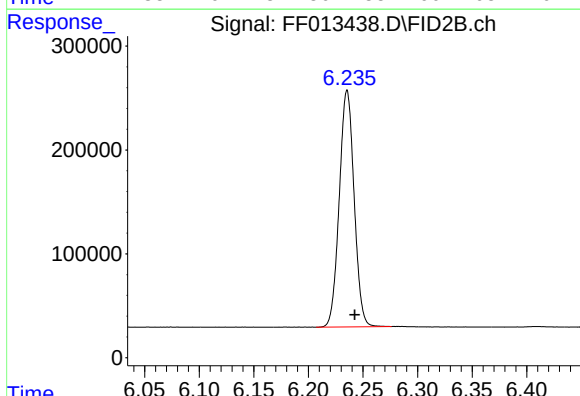
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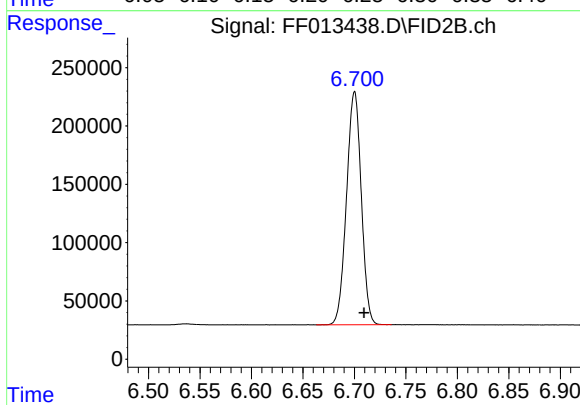
#2 n-Decane (C10)

R.T.: 4.535 min
Delta R.T.: -0.012 min
Response: 1949455
Conc: 18.19 ug/ml



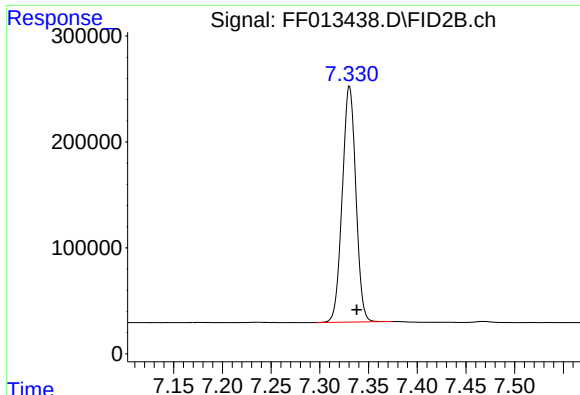
#3 A~Naphthalene (C11.7)

R.T.: 6.236 min
Delta R.T.: -0.007 min
Response: 2156510
Conc: 18.22 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.700 min
Delta R.T.: -0.009 min
Response: 1993392
Conc: 18.42 ug/ml



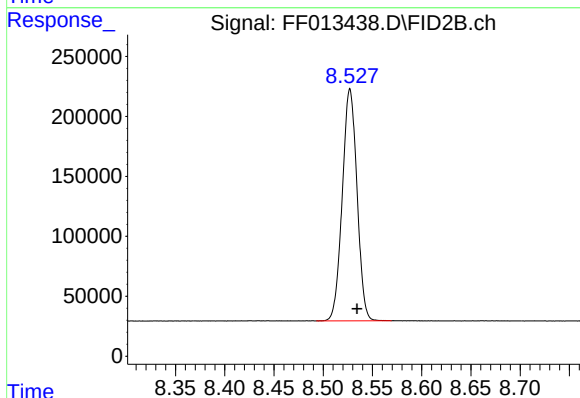
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.331 min
Delta R.T.: -0.007 min
Response: 2164962
Conc: 18.26 ug/ml

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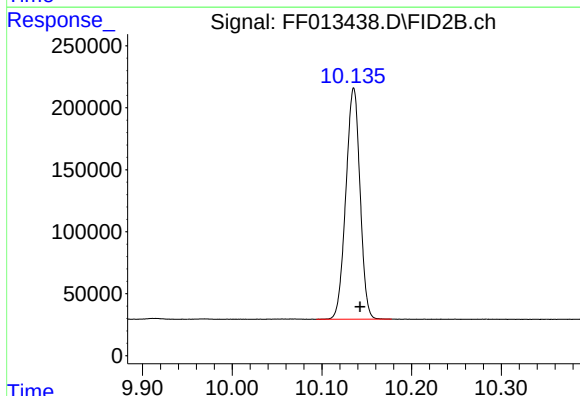
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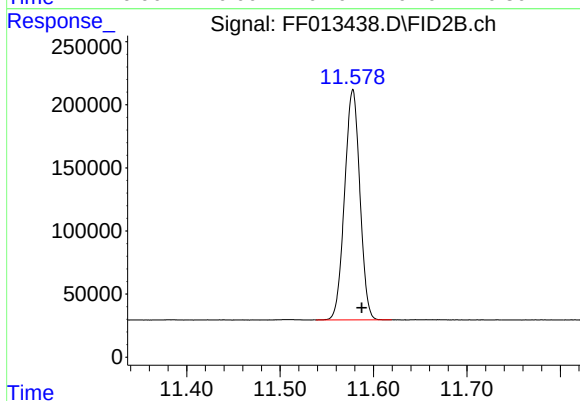
#6 n-Tetradecane (C14)

R.T.: 8.527 min
Delta R.T.: -0.007 min
Response: 2011958
Conc: 18.64 ug/ml



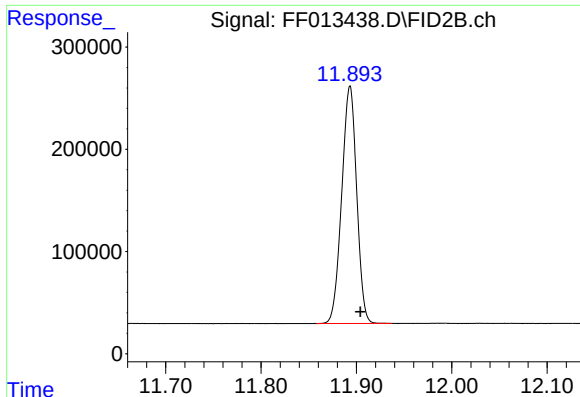
#7 n-Hexadecane (C16)

R.T.: 10.136 min
Delta R.T.: -0.007 min
Response: 2050166
Conc: 18.91 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.578 min
Delta R.T.: -0.010 min
Response: 2074154
Conc: 18.94 ug/ml



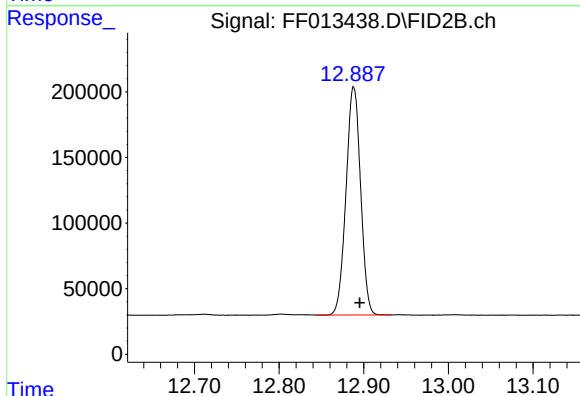
#9 ortho-Terphenyl (SURR)

R.T.: 11.893 min
Delta R.T.: -0.011 min
Response: 2532824
Conc: 18.43 ug/ml

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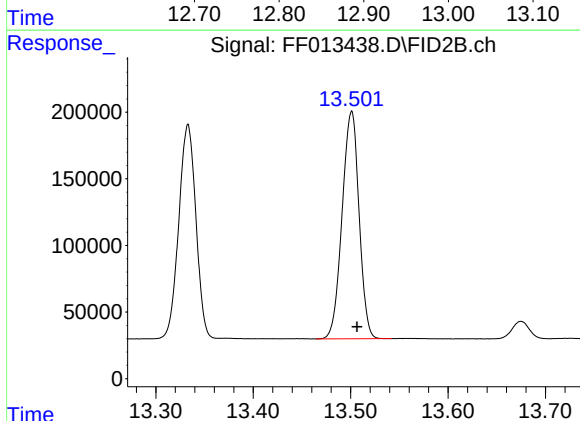
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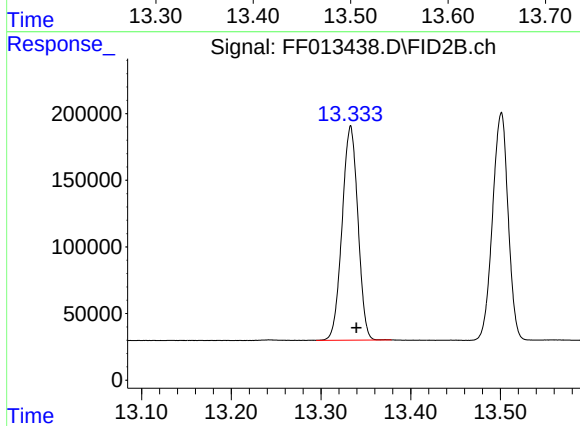
#10 n-Eicosane (C20)

R.T.: 12.888 min
Delta R.T.: -0.007 min
Response: 2079666
Conc: 18.95 ug/ml



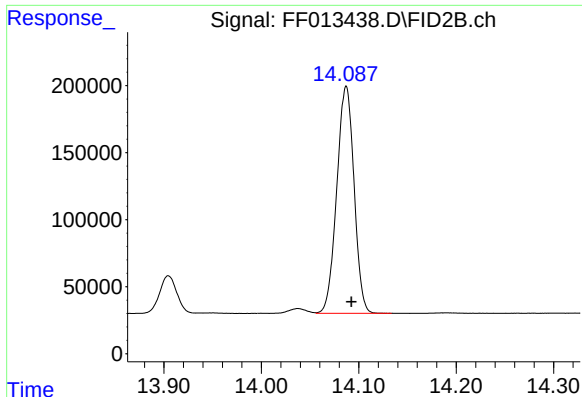
#11 n-Heneicosane (C21)

R.T.: 13.501 min
Delta R.T.: -0.006 min
Response: 2061833
Conc: 18.77 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.333 min
Delta R.T.: -0.006 min
Response: 1963032
Conc: 18.73 ug/ml



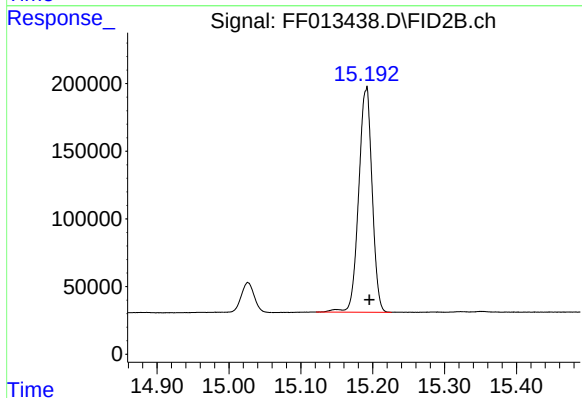
#13 n-Docosane (C22)

R.T.: 14.087 min
Delta R.T.: -0.005 min
Response: 2091143
Conc: 19.05 ug/ml

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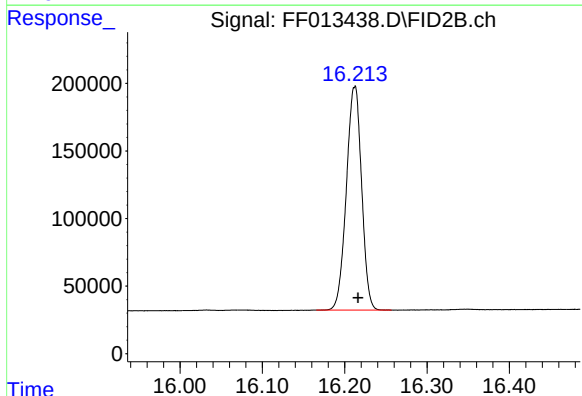
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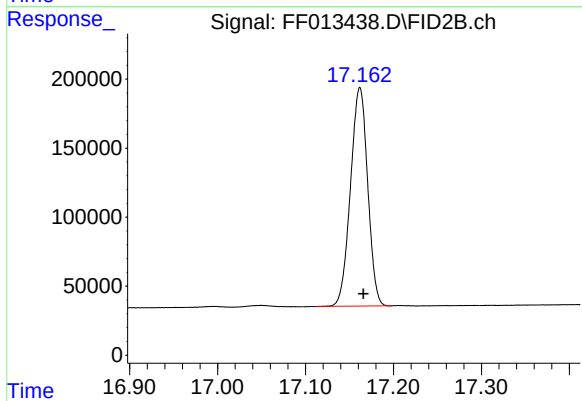
#14 n-Tetracosane (C24)

R.T.: 15.191 min
Delta R.T.: -0.004 min
Response: 2149379
Conc: 19.56 ug/ml



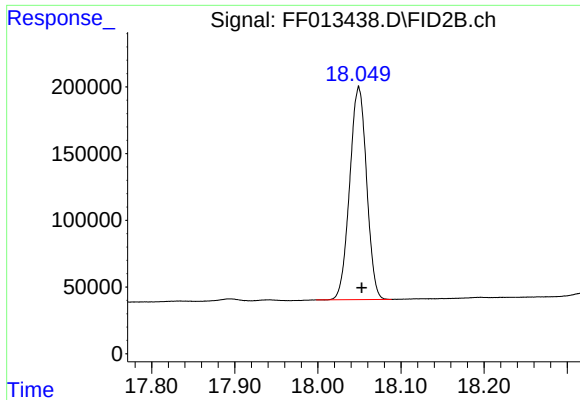
#15 n-Hexacosane (C26)

R.T.: 16.212 min
Delta R.T.: -0.004 min
Response: 2128397
Conc: 19.47 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.162 min
Delta R.T.: -0.004 min
Response: 2154744
Conc: 19.96 ug/ml



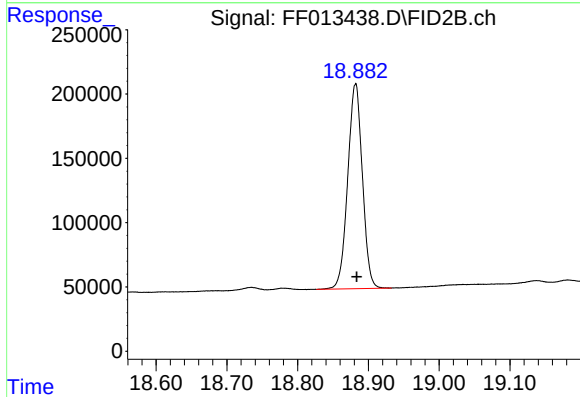
#17 n-Tricontane (C30)

R.T.: 18.049 min
Delta R.T.: -0.004 min
Response: 2256879
Conc: 20.64 ug/ml

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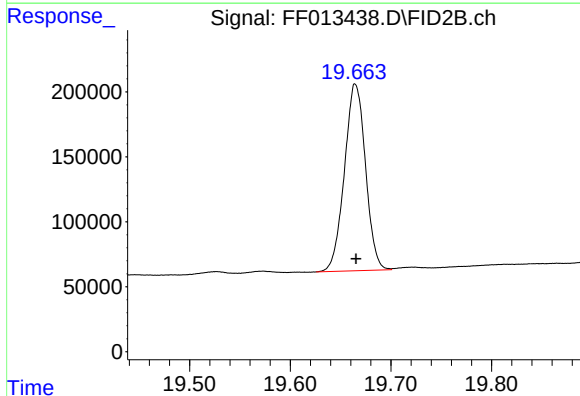
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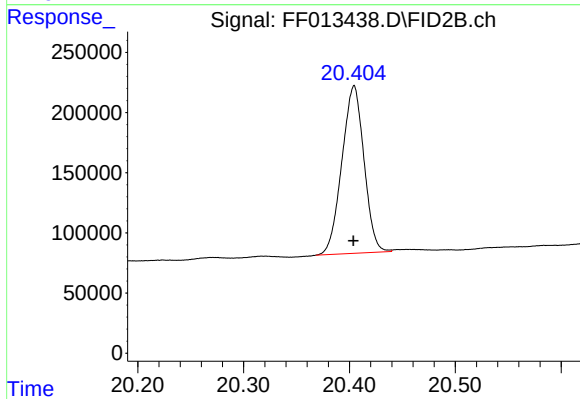
#18 n-Dotriacontane (C32)

R.T.: 18.882 min
Delta R.T.: -0.002 min
Response: 2289551
Conc: 20.27 ug/ml



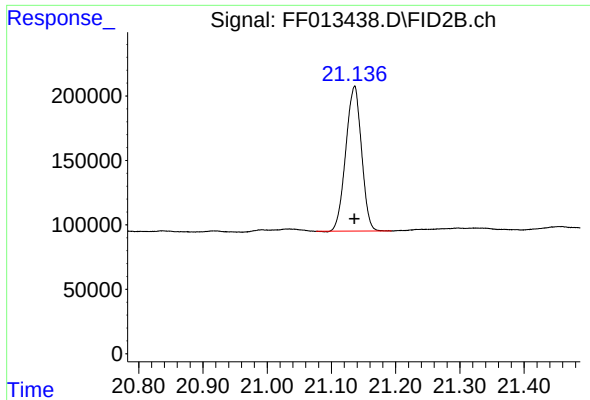
#19 n-Tetratriacontane (C34)

R.T.: 19.663 min
Delta R.T.: -0.002 min
Response: 2092556
Conc: 19.70 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.404 min
Delta R.T.: 0.000 min
Response: 2024200
Conc: 19.20 ug/ml m



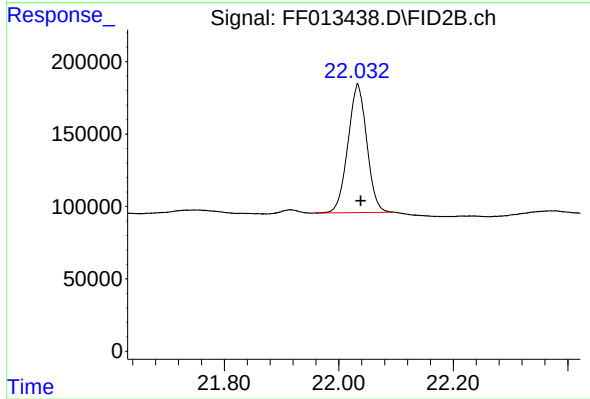
#21 n-Octatriacontane (C38)

R.T.: 21.136 min
Delta R.T.: 0.000 min
Response: 1915695
Conc: 18.97 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.032 min
Delta R.T.: -0.006 min
Response: 2027902
Conc: 20.40 ug/ml m