

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF051124AL\
 Data File : FF014198.D
 Signal(s) : FID2B.ch
 Acq On : 11 May 2024 02:18
 Operator : YP\AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/13/2024
 Supervised By :Ankita Jodhani 05/13/2024

Integration File: autoint1.e
 Quant Time: May 11 04:35:10 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 051124.M
 Quant Title : GC Extractables
 QLast Update : Sat May 11 04:34:58 2024
 Response via : Initial Calibration
 Integrator: ChemStation

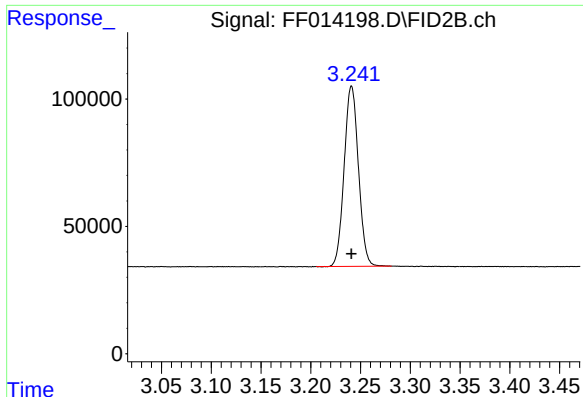
Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.840	771231	5.432 ug/ml
Spiked Amount 50.000		Recovery =	10.86%
12) S 1-chlorooctadecane (S...	13.283	525894	5.169 ug/ml
Spiked Amount 50.000		Recovery =	10.34%
Target Compounds			
1) T n-Nonane (C9)	3.241	706412	5.373 ug/ml
2) T n-Decane (C10)	4.489	715527	5.355 ug/ml
3) T A~Naphthalene (C11.7)	6.186	678618	5.074 ug/ml
4) T n-Dodecane (C12)	6.653	715070	5.343 ug/ml
5) T A~2-methylnaphthalene...	7.280	592407	4.856 ug/ml
6) T n-Tetradecane (C14)	8.479	687102	5.285 ug/ml
7) T n-Hexadecane (C16)	10.085	680377	5.179 ug/ml
8) T n-Octadecane (C18)	11.528	702996	5.265 ug/ml
10) T n-Eicosane (C20)	12.839	687579	5.351 ug/ml
11) T n-Heneicosane (C21)	13.451	674181	5.361 ug/ml
13) T n-Docosane (C22)	14.038	663524	5.355 ug/ml
14) T n-Tetracosane (C24)	15.141	655651	5.436 ug/mlm
15) T n-Hexacosane (C26)	16.163	621539	5.305 ug/ml
16) T n-Octacosane (C28)	17.114	597142	5.284 ug/ml
17) T n-Tricontane (C30)	18.002	601131	5.310 ug/ml
18) T n-Dotriacontane (C32)	18.835	584595	5.323 ug/ml
19) T n-Tetratriacontane (C34)	19.619	547749	5.224 ug/ml
20) T n-Hexatriacontane (C36)	20.360	503764	5.063 ug/ml
21) T n-Octatriacontane (C38)	21.084	473339	4.905 ug/ml
22) T n-Tetracontane (C40)	21.964	482202	5.098 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.



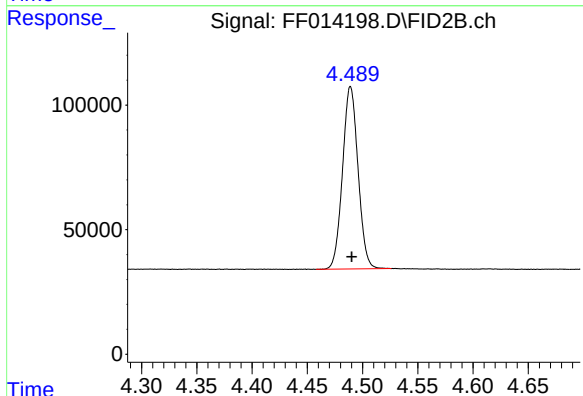
#1 n-Nonane (C9)

R.T.: 3.241 min
Delta R.T.: 0.000 min
Response: 706412
Conc: 5.37 ug/ml

Instrument : FID_F
ClientSampleId : 5 PPM ALIPHATIC HC STD5

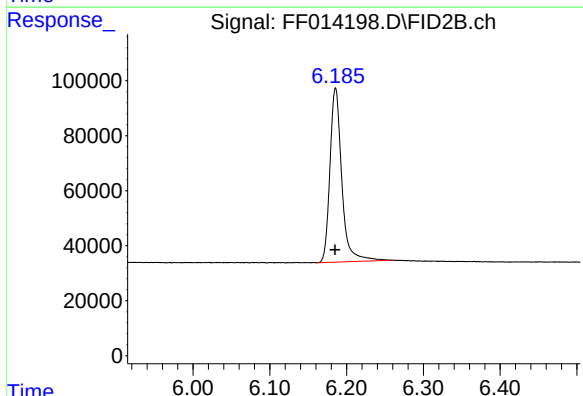
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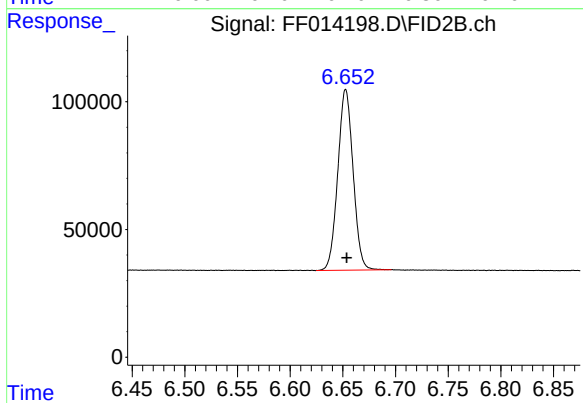
#2 n-Decane (C10)

R.T.: 4.489 min
Delta R.T.: -0.001 min
Response: 715527
Conc: 5.35 ug/ml



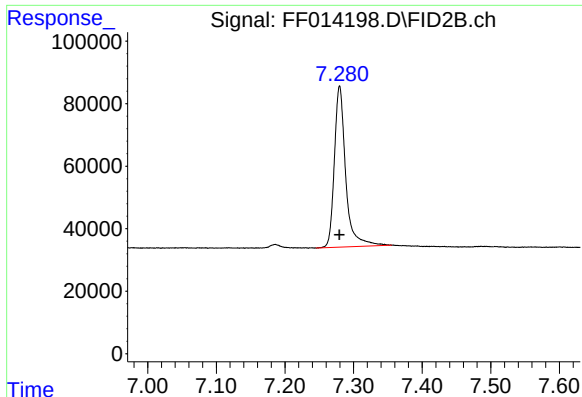
#3 A~Naphthalene (C11.7)

R.T.: 6.186 min
Delta R.T.: 0.000 min
Response: 678618
Conc: 5.07 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.653 min
Delta R.T.: -0.001 min
Response: 715070
Conc: 5.34 ug/ml



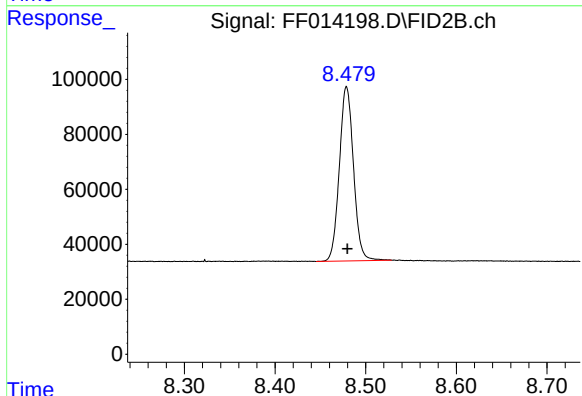
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.280 min
Delta R.T.: 0.000 min
Response: 592407
Conc: 4.86 ug/ml

Instrument : FID_F
ClientSampleId : 5 PPM ALIPHATIC HC STD5

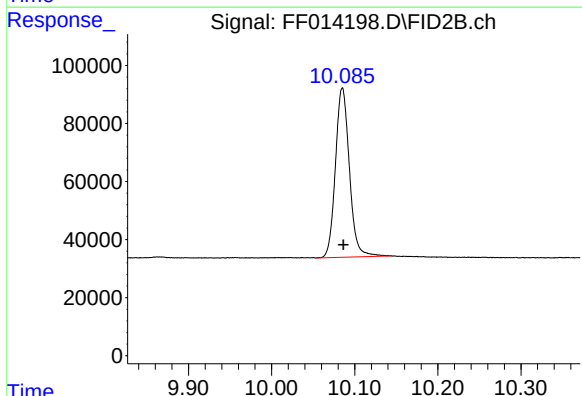
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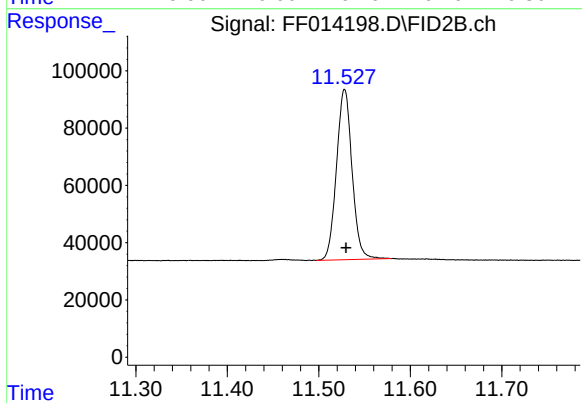
#6 n-Tetradecane (C14)

R.T.: 8.479 min
Delta R.T.: -0.001 min
Response: 687102
Conc: 5.28 ug/ml



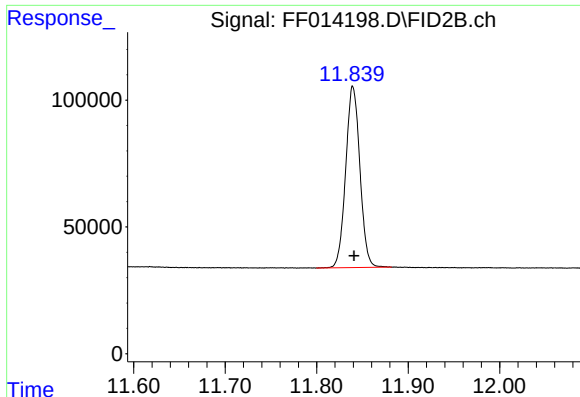
#7 n-Hexadecane (C16)

R.T.: 10.085 min
Delta R.T.: -0.001 min
Response: 680377
Conc: 5.18 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.528 min
Delta R.T.: -0.002 min
Response: 702996
Conc: 5.26 ug/ml



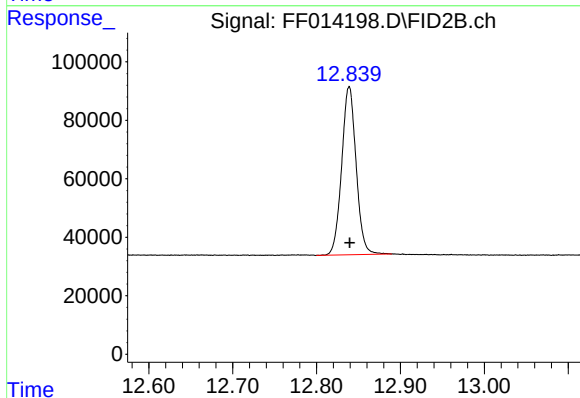
#9 ortho-Terphenyl (SURR)

R.T.: 11.840 min
Delta R.T.: -0.001 min
Response: 771231
Conc: 5.43 ug/ml

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5 PPM ALIPHATIC HC STD5

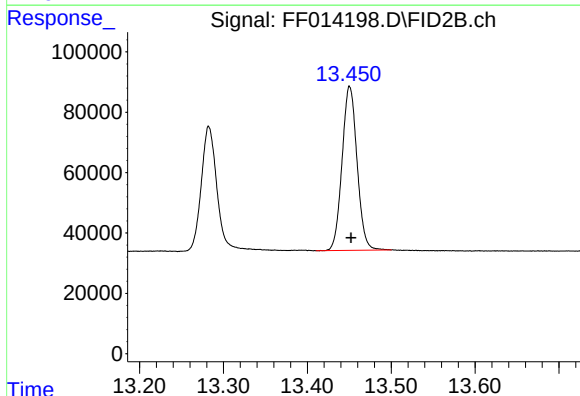
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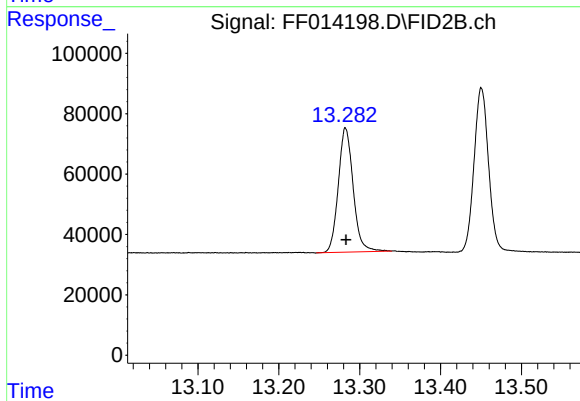
#10 n-Eicosane (C20)

R.T.: 12.839 min
Delta R.T.: 0.000 min
Response: 687579
Conc: 5.35 ug/ml



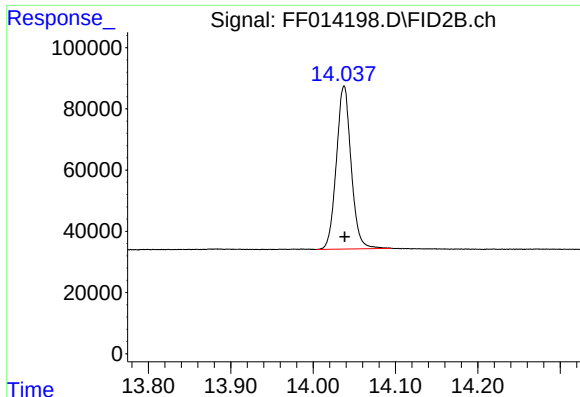
#11 n-Heneicosane (C21)

R.T.: 13.451 min
Delta R.T.: -0.002 min
Response: 674181
Conc: 5.36 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.283 min
Delta R.T.: 0.000 min
Response: 525894
Conc: 5.17 ug/ml



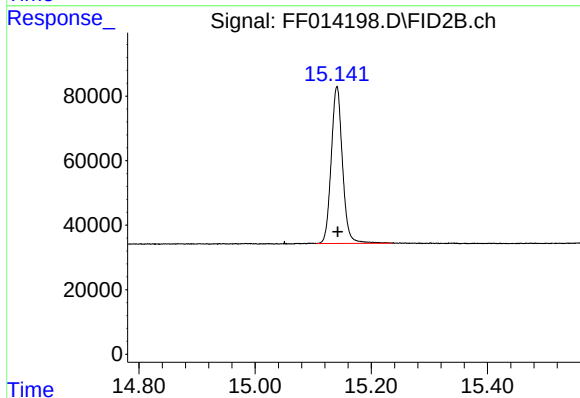
#13 n-Docosane (C22)

R.T.: 14.038 min
Delta R.T.: 0.000 min
Response: 663524
Conc: 5.35 ug/ml

Instrument :
FID_F
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5 PPM ALIPHATIC HC STD5

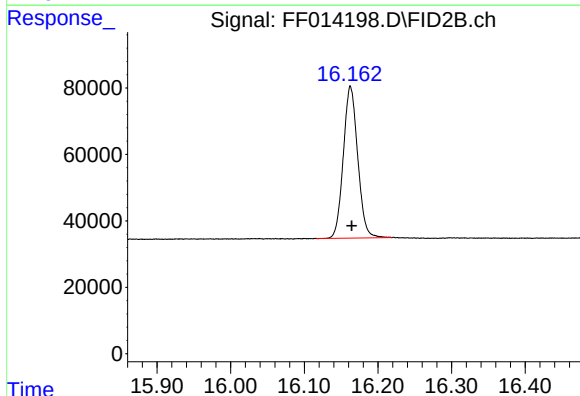
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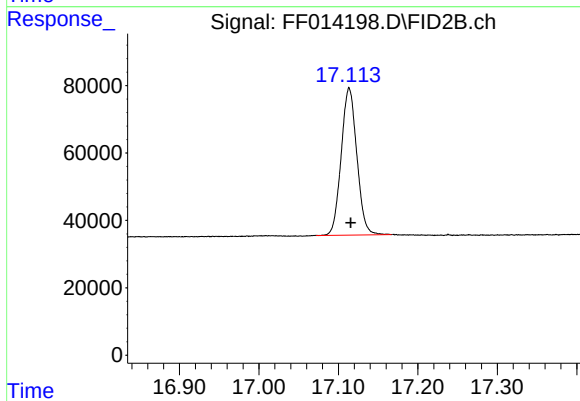
#14 n-Tetracosane (C24)

R.T.: 15.141 min
Delta R.T.: -0.001 min
Response: 655651
Conc: 5.44 ug/ml m



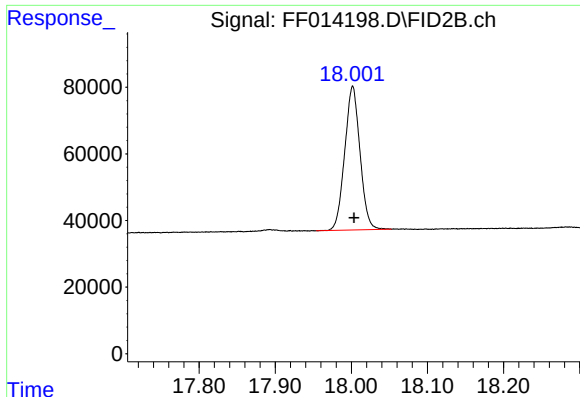
#15 n-Hexacosane (C26)

R.T.: 16.163 min
Delta R.T.: -0.002 min
Response: 621539
Conc: 5.31 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.114 min
Delta R.T.: -0.002 min
Response: 597142
Conc: 5.28 ug/ml



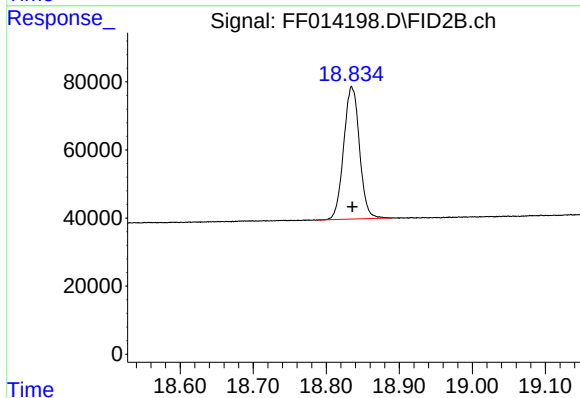
#17 n-Tricontane (C30)

R.T.: 18.002 min
Delta R.T.: -0.002 min
Response: 601131
Conc: 5.31 ug/ml

Instrument :
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5 PPM ALIPHATIC HC STD5

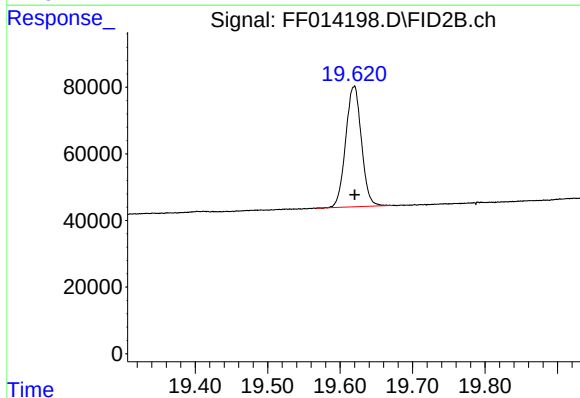
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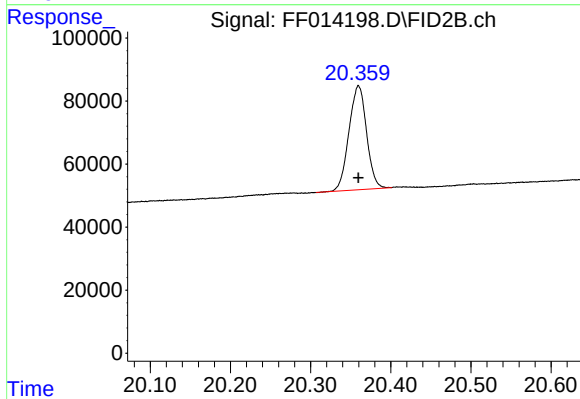
#18 n-Dotriacontane (C32)

R.T.: 18.835 min
Delta R.T.: 0.000 min
Response: 584595
Conc: 5.32 ug/ml



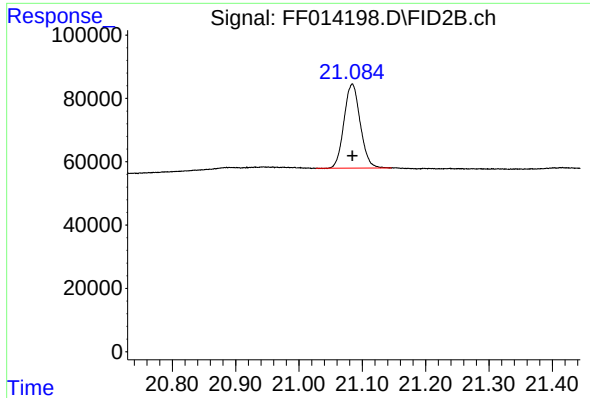
#19 n-Tetratriacontane (C34)

R.T.: 19.619 min
Delta R.T.: 0.000 min
Response: 547749
Conc: 5.22 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.360 min
Delta R.T.: 0.000 min
Response: 503764
Conc: 5.06 ug/ml



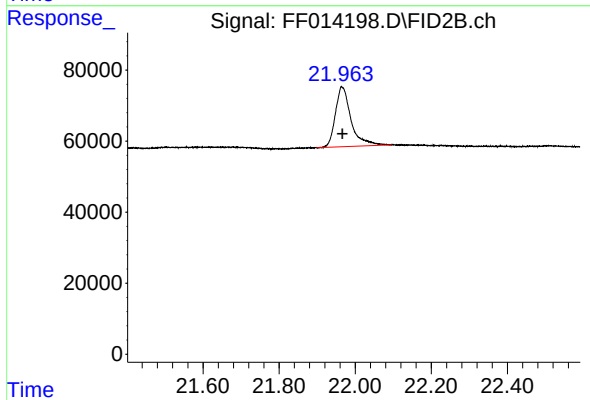
#21 n-Octatriacontane (C38)

R.T.: 21.084 min
Delta R.T.: 0.000 min
Response: 473339
Conc: 4.91 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.964 min
Delta R.T.: -0.002 min
Response: 482202
Conc: 5.10 ug/ml