

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120924AL\
 Data File : FE051596.D
 Signal(s) : FID1B.ch
 Acq On : 09 Dec 2024 18:29
 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 12/10/2024
 Supervised By :Ankita Jodhani 12/10/2024

Integration File: autoint1.e
 Quant Time: Dec 10 02:16:29 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 120224.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 02 14:18:35 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)	11.831	3031348	20.060 ug/ml
Spiked Amount 50.000		Recovery =	40.12%
12) S 1-chlorooctadecane (S...	13.265	2321425	20.773 ug/ml
Spiked Amount 50.000		Recovery =	41.55%
Target Compounds			
1) T n-Nonane (C9)	3.219	2731625	19.491 ug/ml
2) T n-Decane (C10)	4.467	2838600	20.017 ug/ml
3) T A~Naphthalene (C11.7)	6.183	2736248	20.699 ug/ml
4) T n-Dodecane (C12)	6.635	2875074	20.198 ug/ml
5) T A~2-methylnaphthalene...	7.280	2578880	21.497 ug/ml
6) T n-Tetradecane (C14)	8.462	2836905	20.351 ug/ml
7) T n-Hexadecane (C16)	10.068	2893102	20.362 ug/ml
8) T n-Octadecane (C18)	11.510	2884917	20.075 ug/ml
10) T n-Eicosane (C20)	12.818	2757600	19.977 ug/ml
11) T n-Heneicosane (C21)	13.430	2677936	19.756 ug/ml
13) T n-Docosane (C22)	14.015	2689511	20.086 ug/ml
14) T n-Tetracosane (C24)	15.116	2661839	20.145 ug/ml
15) T n-Hexacosane (C26)	16.136	2651237	20.445 ug/ml
16) T n-Octacosane (C28)	17.085	2705938	21.224 ug/ml
17) T n-Tricontane (C30)	17.972	2952455	22.802 ug/mlm
18) T n-Dotriacontane (C32)	18.804	3169066	25.314 ug/mlm
19) T n-Tetratriacontane (C34)	19.586	2811690	24.895 ug/ml
20) T n-Hexatriacontane (C36)	20.326	2330405	24.198 ug/ml
21) T n-Octatriacontane (C38)	21.048	2219030	24.373 ug/ml
22) T n-Tetracontane (C40)	21.921	1734832	19.796 ug/mlm

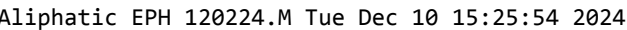
(f)=RT Delta > 1/2 Window

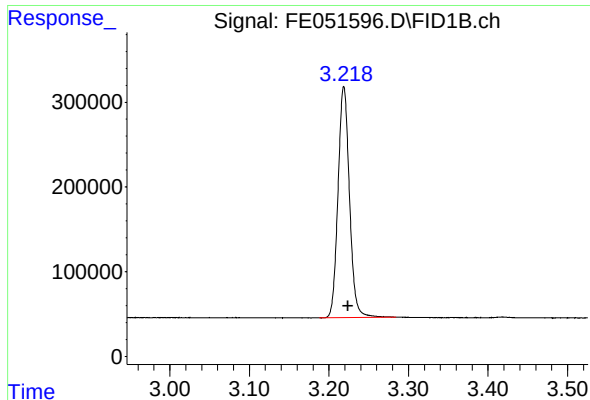
(m)=manual int.

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





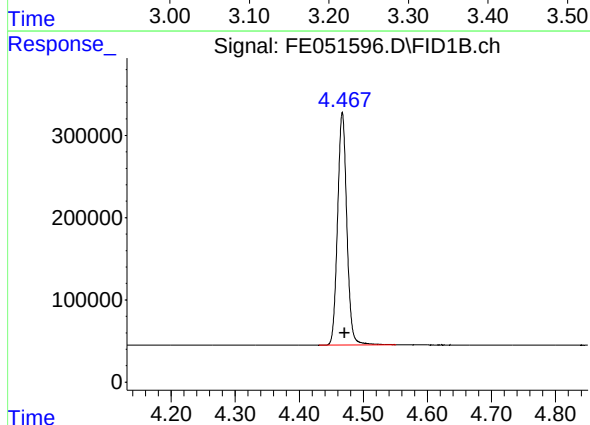
#1 n-Nonane (C9)

R.T.: 3.219 min
Delta R.T.: -0.005 min
Response: 2731625
Conc: 19.49 ug/ml

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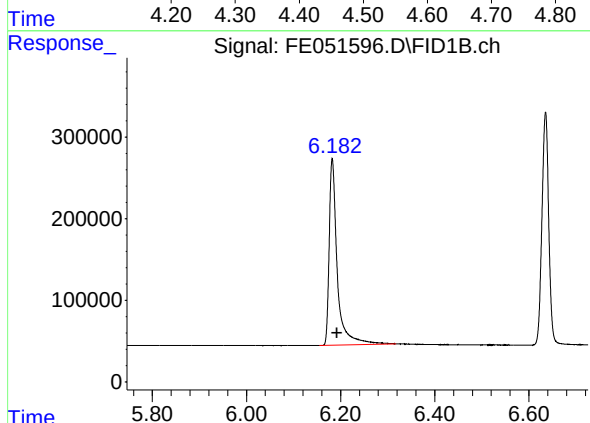
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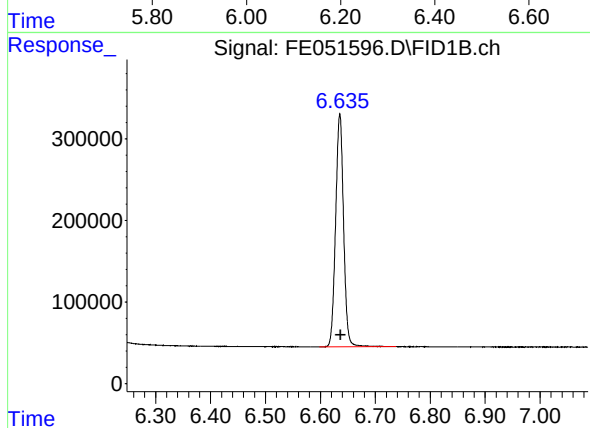
#2 n-Decane (C10)

R.T.: 4.467 min
Delta R.T.: -0.004 min
Response: 2838600
Conc: 20.02 ug/ml



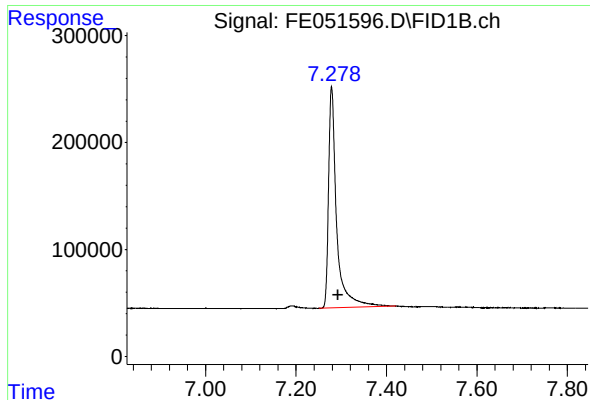
#3 A~Naphthalene (C11.7)

R.T.: 6.183 min
Delta R.T.: -0.010 min
Response: 2736248
Conc: 20.70 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.635 min
Delta R.T.: -0.002 min
Response: 2875074
Conc: 20.20 ug/ml



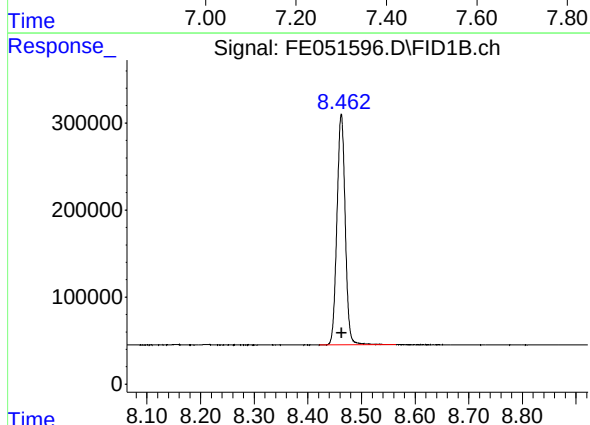
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.280 min
Delta R.T.: -0.013 min
Response: 2578880
Conc: 21.50 ug/ml

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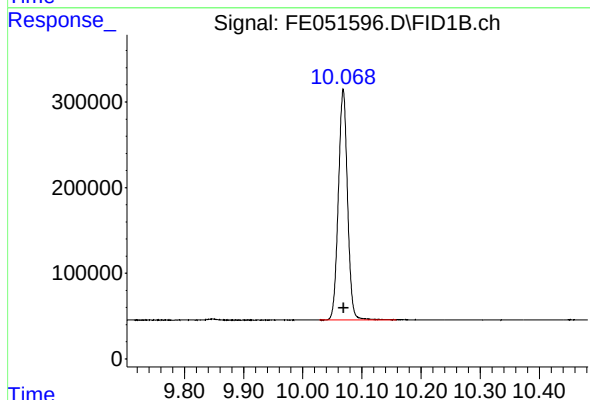
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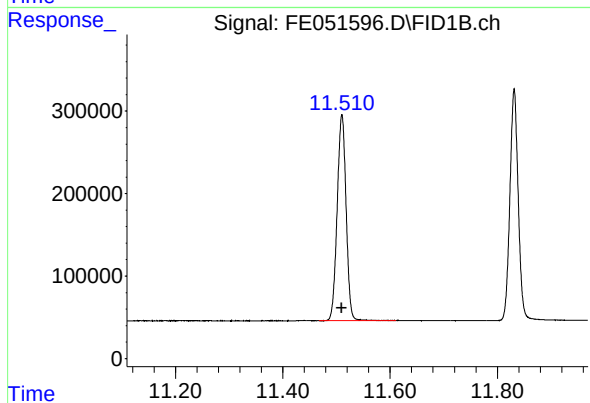
#6 n-Tetradecane (C14)

R.T.: 8.462 min
Delta R.T.: 0.000 min
Response: 2836905
Conc: 20.35 ug/ml



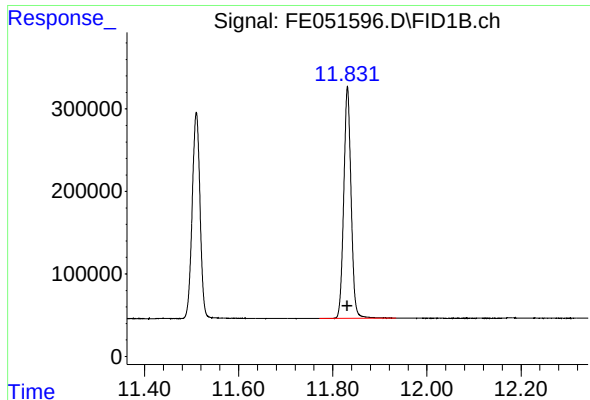
#7 n-Hexadecane (C16)

R.T.: 10.068 min
Delta R.T.: 0.000 min
Response: 2893102
Conc: 20.36 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.510 min
Delta R.T.: 0.000 min
Response: 2884917
Conc: 20.07 ug/ml



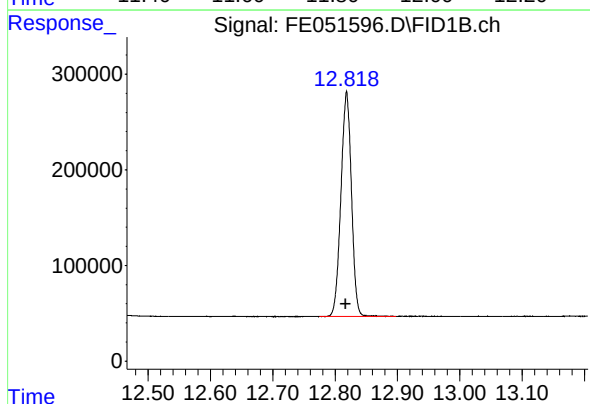
#9 ortho-Terphenyl (SURR)

R.T.: 11.831 min
Delta R.T.: 0.000 min
Response: 3031348
Conc: 20.06 ug/ml

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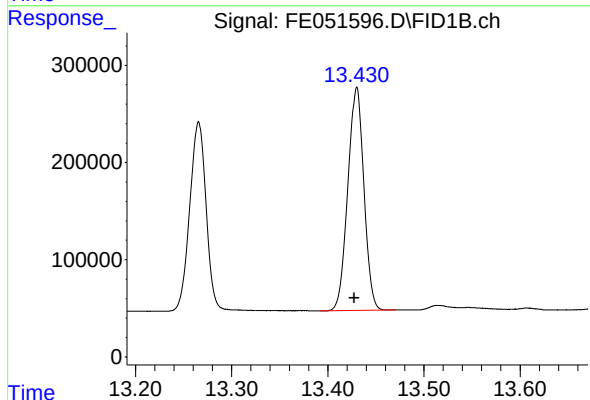
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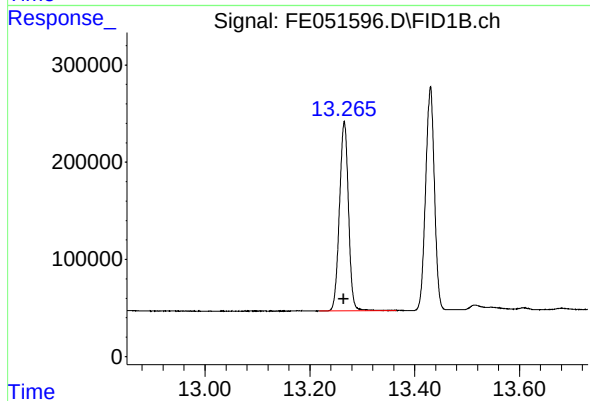
#10 n-Eicosane (C20)

R.T.: 12.818 min
Delta R.T.: 0.001 min
Response: 2757600
Conc: 19.98 ug/ml



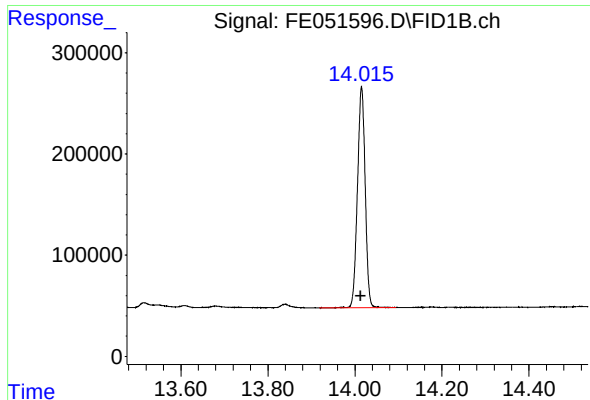
#11 n-Heneicosane (C21)

R.T.: 13.430 min
Delta R.T.: 0.002 min
Response: 2677936
Conc: 19.76 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.265 min
Delta R.T.: 0.001 min
Response: 2321425
Conc: 20.77 ug/ml



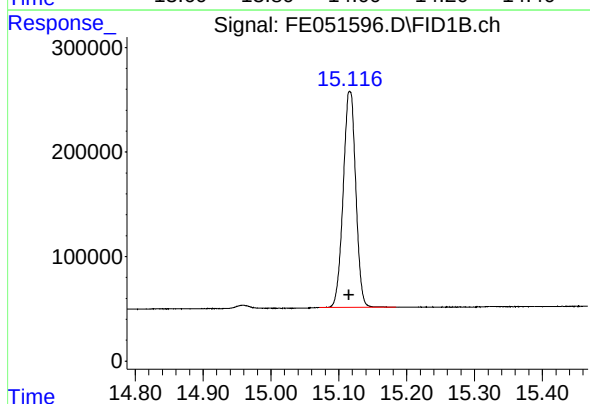
#13 n-Docosane (C22)

R.T.: 14.015 min
Delta R.T.: 0.002 min
Response: 2689511
Conc: 20.09 ug/ml

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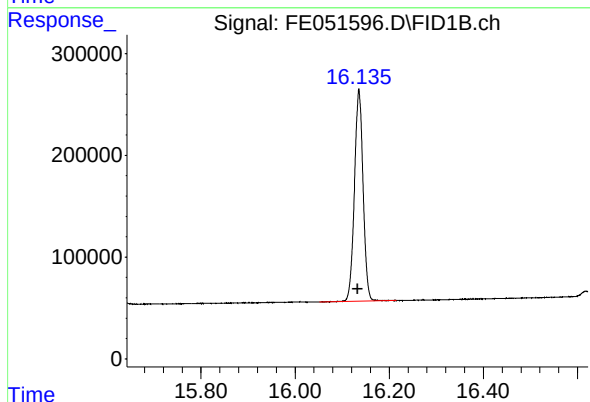
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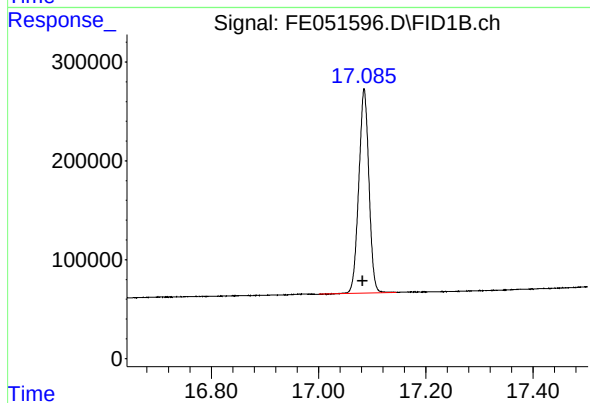
#14 n-Tetracosane (C24)

R.T.: 15.116 min
Delta R.T.: 0.002 min
Response: 2661839
Conc: 20.14 ug/ml



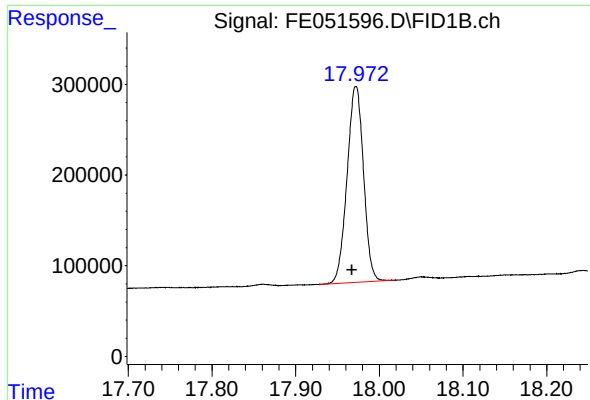
#15 n-Hexacosane (C26)

R.T.: 16.136 min
Delta R.T.: 0.002 min
Response: 2651237
Conc: 20.44 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.085 min
Delta R.T.: 0.003 min
Response: 2705938
Conc: 21.22 ug/ml



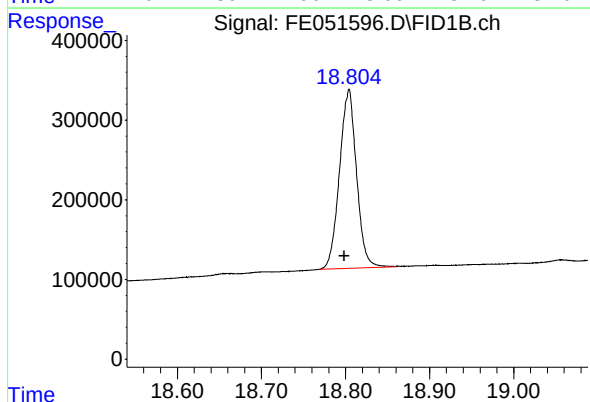
#17 n-Tricontane (C30)

R.T.: 17.972 min
Delta R.T.: 0.005 min
Response: 2952455
Conc: 22.80 ug/ml

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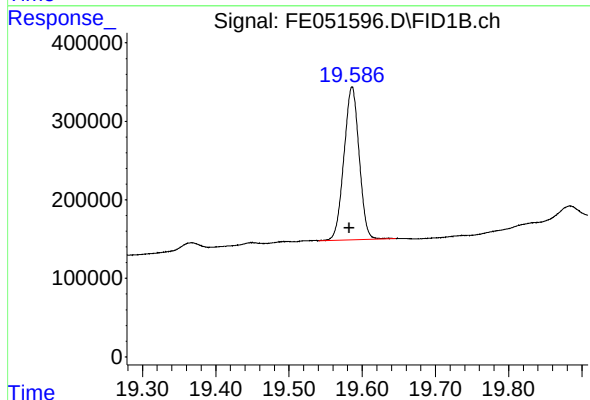
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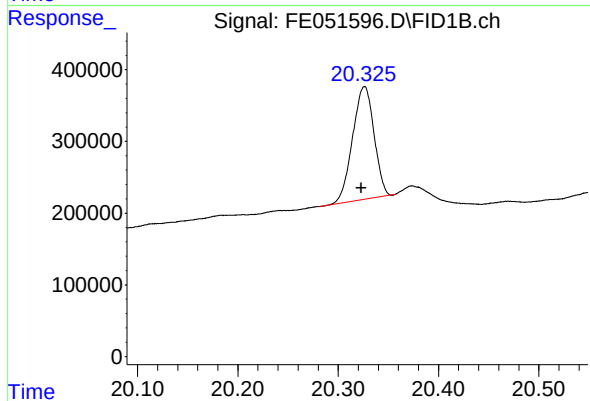
#18 n-Dotriacontane (C32)

R.T.: 18.804 min
Delta R.T.: 0.005 min
Response: 3169066
Conc: 25.31 ug/ml m



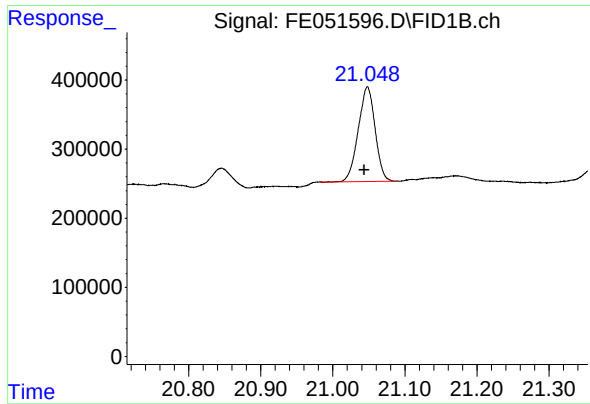
#19 n-Tetatriacontane (C34)

R.T.: 19.586 min
Delta R.T.: 0.004 min
Response: 2811690
Conc: 24.90 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.326 min
Delta R.T.: 0.003 min
Response: 2330405
Conc: 24.20 ug/ml



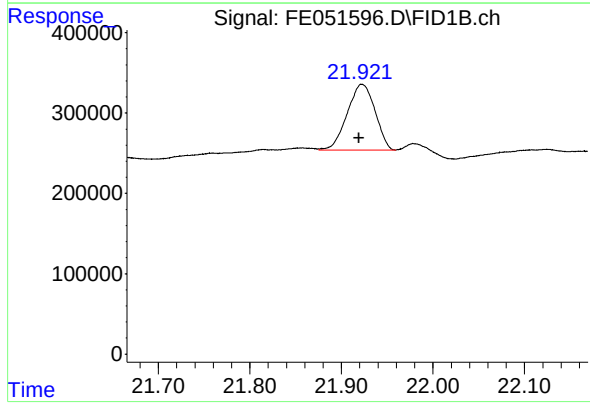
#21 n-Octatriacontane (C38)

R.T.: 21.048 min
Delta R.T.: 0.004 min
Response: 2219030
Conc: 24.37 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.921 min
Delta R.T.: 0.001 min
Response: 1734832
Conc: 19.80 ug/ml m