

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100724AL\
 Data File : FE050526.D
 Signal(s) : FID1B.ch
 Acq On : 07 Oct 2024 09:33
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/08/2024
 Supervised By :Ankita Jodhani 10/08/2024

Integration File: autoint1.e
 Quant Time: Oct 08 04:15:46 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 09 17:11:47 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)	11.869	3111807	20.916 ug/ml
Spiked Amount 50.000		Recovery =	41.83%
12) S 1-chlorooctadecane (S...	13.302	2315919	20.618 ug/ml
Spiked Amount 50.000		Recovery =	41.24%
Target Compounds			
1) T n-Nonane (C9)	3.255	2780042	20.510 ug/ml
2) T n-Decane (C10)	4.505	2845764	20.620 ug/ml
3) T A~Naphthalene (C11.7)	6.216	2908457	20.779 ug/ml
4) T n-Dodecane (C12)	6.673	2864929	20.718 ug/ml
5) T A~2-methylnaphthalene...	7.312	2711554	20.630 ug/ml
6) T n-Tetradecane (C14)	8.500	2833371	20.807 ug/ml
7) T n-Hexadecane (C16)	10.106	2917871	21.007 ug/ml
8) T n-Octadecane (C18)	11.548	2943505	21.010 ug/ml
10) T n-Eicosane (C20)	12.856	2807312	20.928 ug/ml
11) T n-Heneicosane (C21)	13.467	2759819	21.004 ug/ml
13) T n-Docosane (C22)	14.052	2722275	20.906 ug/ml
14) T n-Tetracosane (C24)	15.154	2704585	20.710 ug/ml
15) T n-Hexacosane (C26)	16.175	2675495	20.912 ug/ml
16) T n-Octacosane (C28)	17.123	2747542	21.330 ug/mlm
17) T n-Tricontane (C30)	18.010	2984544	22.319 ug/ml
18) T n-Dotriacontane (C32)	18.841	2960524	22.217 ug/ml
19) T n-Tetratriacontane (C34)	19.625	2738081	22.160 ug/ml
20) T n-Hexatriacontane (C36)	20.363	2389735	21.539 ug/mlm
21) T n-Octatriacontane (C38)	21.091	2326086	21.093 ug/ml
22) T n-Tetracontane (C40)	21.978	1716410	15.774 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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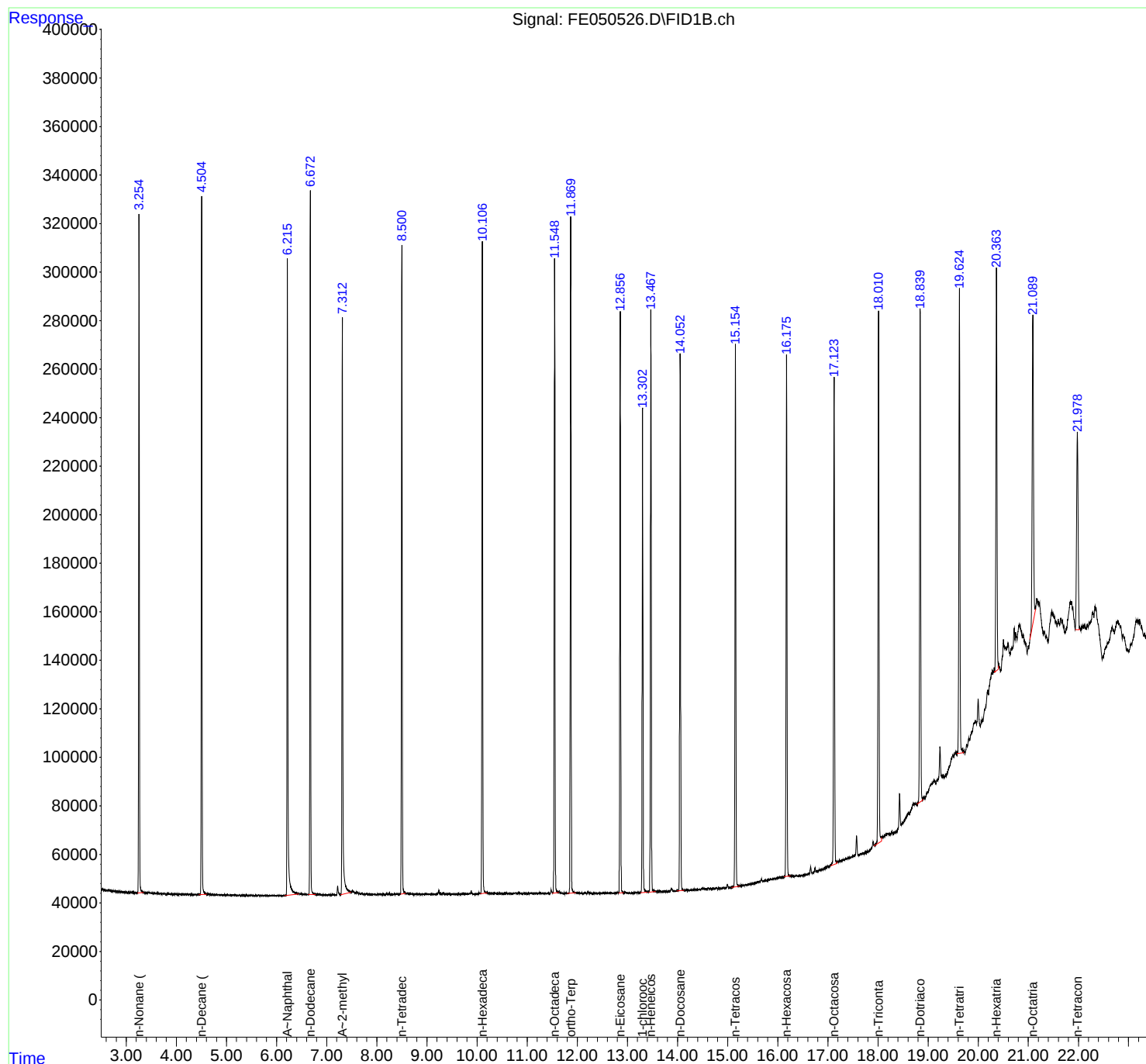
Instrument :
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20 PPM ALIPHATIC HC STD

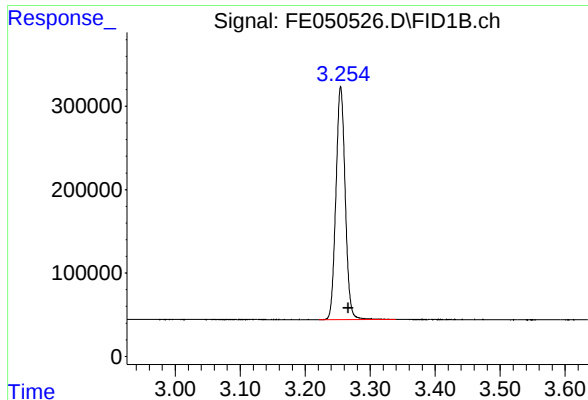
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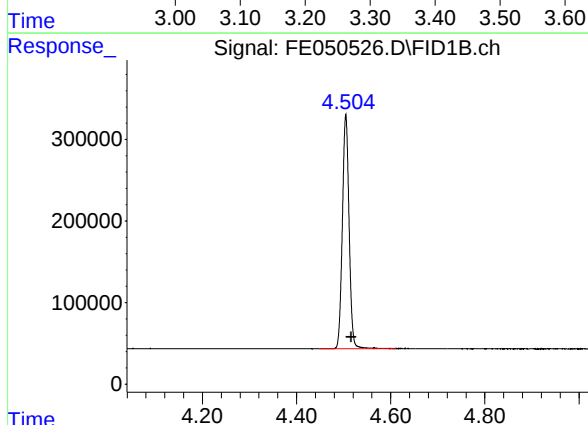
#1 n-Nonane (C9)

R.T.: 3.255 min
Delta R.T.: -0.011 min
Response: 2780042
Conc: 20.51 ug/ml

Instrument :
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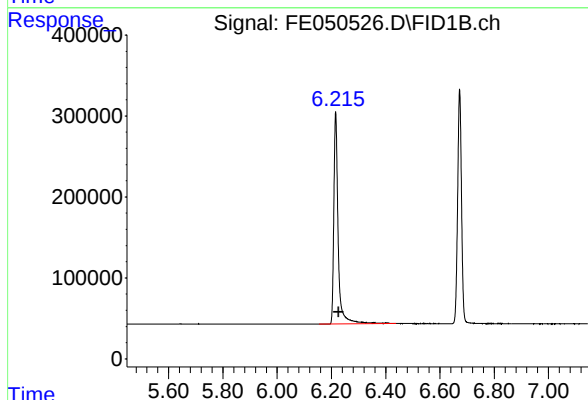
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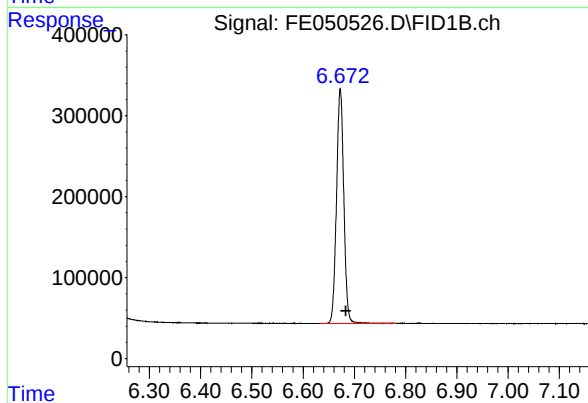
#2 n-Decane (C10)

R.T.: 4.505 min
Delta R.T.: -0.012 min
Response: 2845764
Conc: 20.62 ug/ml



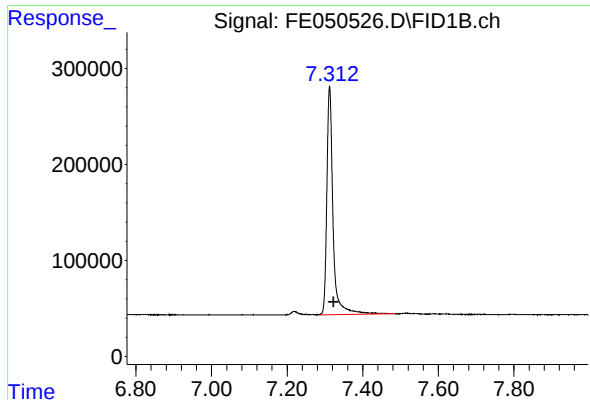
#3 A~Naphthalene (C11.7)

R.T.: 6.216 min
Delta R.T.: -0.011 min
Response: 2908457
Conc: 20.78 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.673 min
Delta R.T.: -0.011 min
Response: 2864929
Conc: 20.72 ug/ml



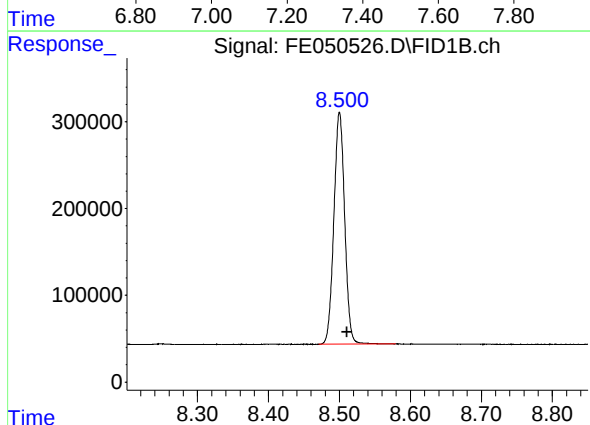
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.312 min
Delta R.T.: -0.011 min
Response: 2711554
Conc: 20.63 ug/ml

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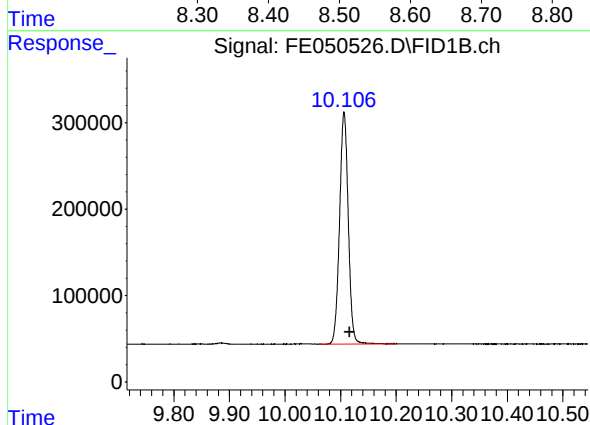
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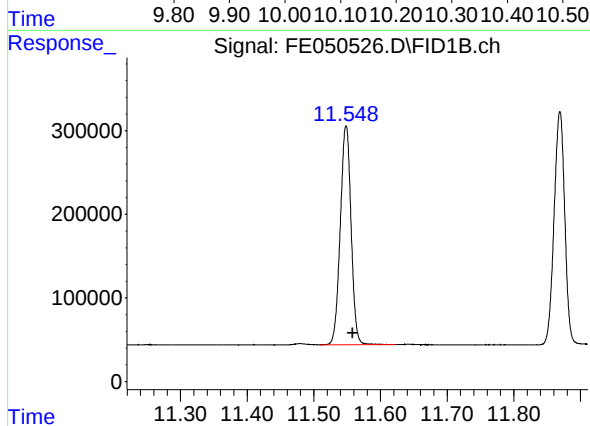
#6 n-Tetradecane (C14)

R.T.: 8.500 min
Delta R.T.: -0.011 min
Response: 2833371
Conc: 20.81 ug/ml



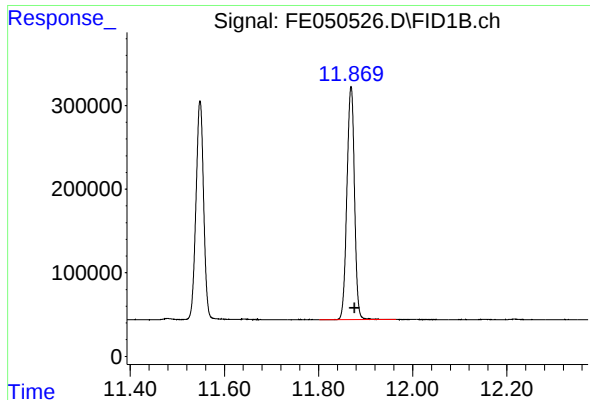
#7 n-Hexadecane (C16)

R.T.: 10.106 min
Delta R.T.: -0.011 min
Response: 2917871
Conc: 21.01 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.548 min
Delta R.T.: -0.010 min
Response: 2943505
Conc: 21.01 ug/ml



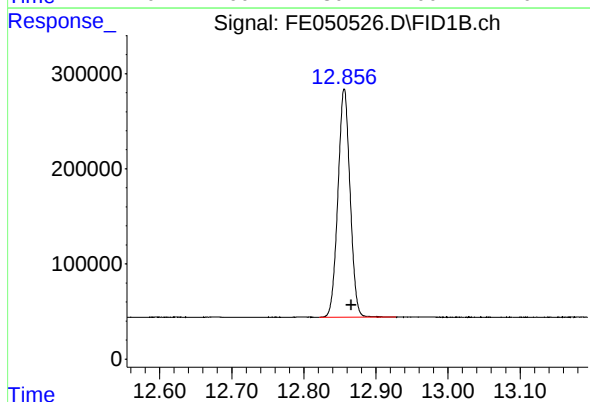
#9 ortho-Terphenyl (SURR)

R.T.: 11.869 min
Delta R.T.: -0.007 min
Response: 3111807
Conc: 20.92 ug/ml

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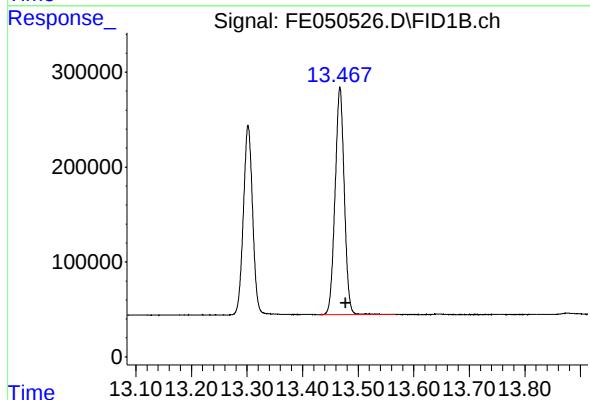
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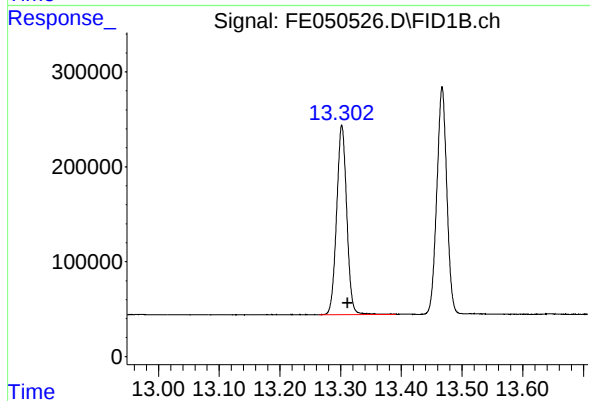
#10 n-Eicosane (C20)

R.T.: 12.856 min
Delta R.T.: -0.010 min
Response: 2807312
Conc: 20.93 ug/ml



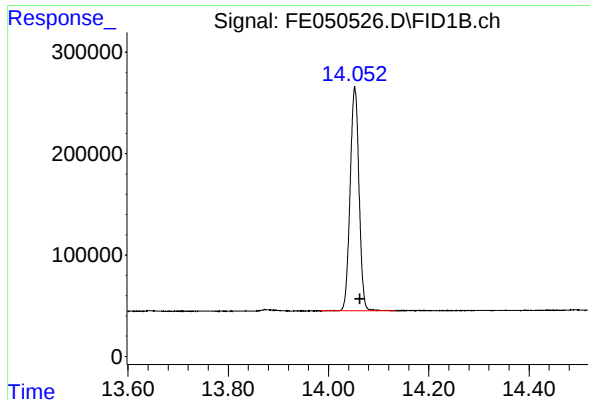
#11 n-Heneicosane (C21)

R.T.: 13.467 min
Delta R.T.: -0.010 min
Response: 2759819
Conc: 21.00 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.302 min
Delta R.T.: -0.009 min
Response: 2315919
Conc: 20.62 ug/ml



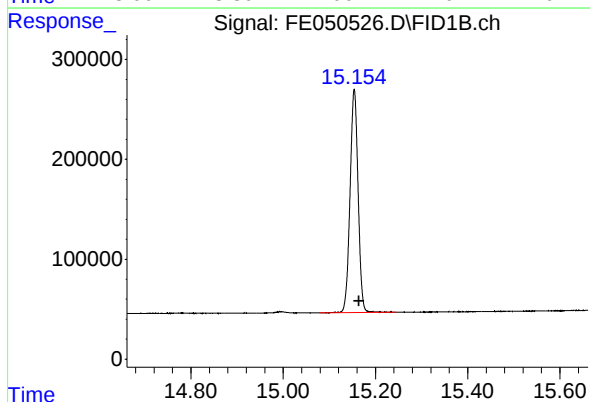
#13 n-Docosane (C22)

R.T.: 14.052 min
Delta R.T.: -0.011 min
Response: 2722275
Conc: 20.91 ug/ml

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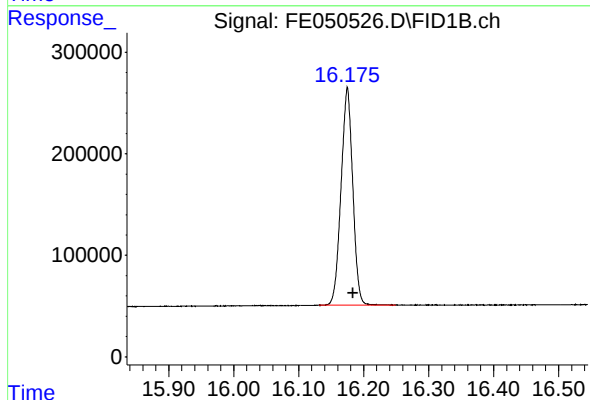
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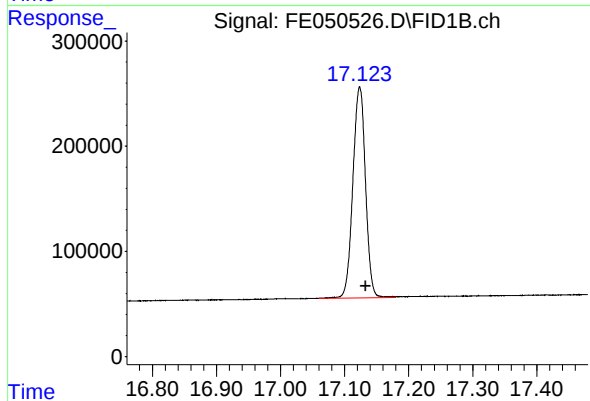
#14 n-Tetracosane (C24)

R.T.: 15.154 min
Delta R.T.: -0.010 min
Response: 2704585
Conc: 20.71 ug/ml



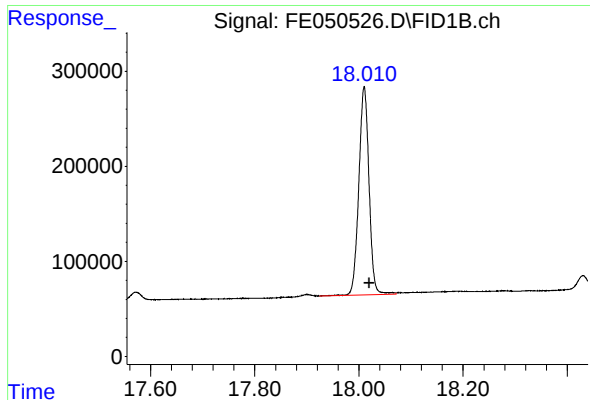
#15 n-Hexacosane (C26)

R.T.: 16.175 min
Delta R.T.: -0.009 min
Response: 2675495
Conc: 20.91 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.123 min
Delta R.T.: -0.010 min
Response: 2747542
Conc: 21.33 ug/ml m



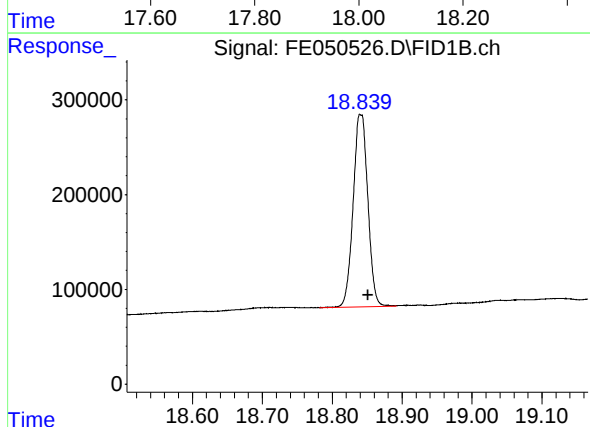
#17 n-Tricontane (C30)

R.T.: 18.010 min
Delta R.T.: -0.010 min
Response: 2984544
Conc: 22.32 ug/ml

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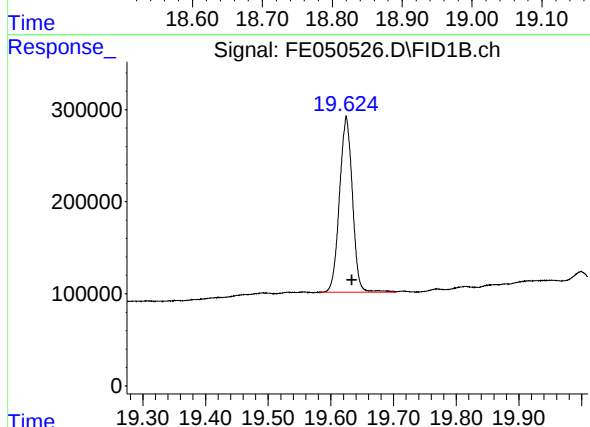
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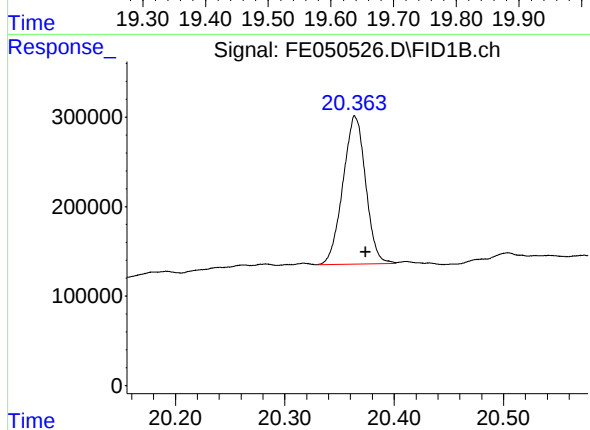
#18 n-Dotriacontane (C32)

R.T.: 18.841 min
Delta R.T.: -0.010 min
Response: 2960524
Conc: 22.22 ug/ml



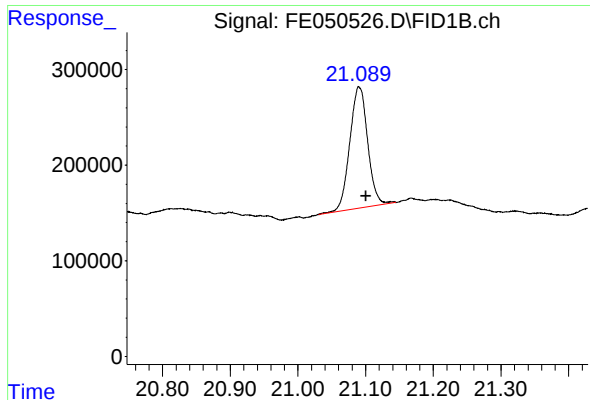
#19 n-Tetratriacontane (C34)

R.T.: 19.625 min
Delta R.T.: -0.009 min
Response: 2738081
Conc: 22.16 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.363 min
Delta R.T.: -0.010 min
Response: 2389735
Conc: 21.54 ug/ml m



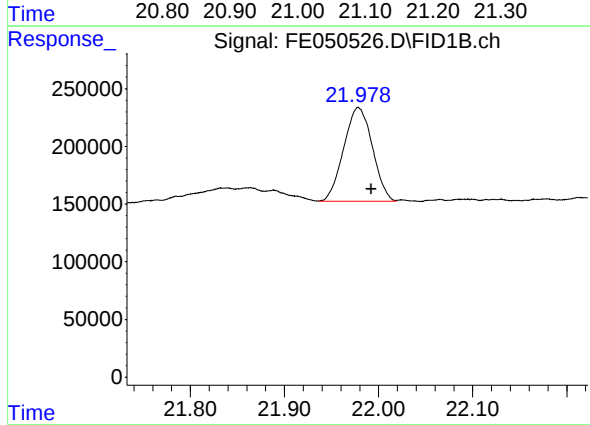
#21 n-Octatriacontane (C38)

R.T.: 21.091 min
Delta R.T.: -0.010 min
Response: 2326086
Conc: 21.09 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.978 min
Delta R.T.: -0.014 min
Response: 1716410
Conc: 15.77 ug/ml m