

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE093024AL\
 Data File : FE050426.D
 Signal(s) : FID1B.ch
 Acq On : 30 Sep 2024 09:27
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/30/2024
 Supervised By :Ankita Jodhani 10/01/2024

Integration File: autoint1.e
 Quant Time: Sep 30 10:52:43 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	2780382	18.688 ug/ml
Spiked Amount 50.000		Recovery =	37.38%
12) S 1-chlorooctadecane (S...	13.303	2068663	18.416 ug/ml
Spiked Amount 50.000		Recovery =	36.83%
Target Compounds			
1) T n-Nonane (C9)	3.257	2493070	18.393 ug/ml
2) T n-Decane (C10)	4.507	2593980	18.795 ug/ml
3) T A~Naphthalene (C11.7)	6.218	2626689	18.766 ug/ml
4) T n-Dodecane (C12)	6.674	2587217	18.710 ug/ml
5) T A~2-methylnaphthalene...	7.314	2447722	18.623 ug/ml
6) T n-Tetradecane (C14)	8.502	2580278	18.949 ug/ml
7) T n-Hexadecane (C16)	10.108	2681043	19.302 ug/ml
8) T n-Octadecane (C18)	11.549	2704954	19.307 ug/ml
10) T n-Eicosane (C20)	12.857	2563221	19.108 ug/ml
11) T n-Heneicosane (C21)	13.468	2540291	19.333 ug/ml
13) T n-Docosane (C22)	14.053	2532047	19.445 ug/ml
14) T n-Tetracosane (C24)	15.155	2575205	19.720 ug/ml
15) T n-Hexacosane (C26)	16.175	2558867	20.001 ug/ml
16) T n-Octacosane (C28)	17.124	2680415	20.809 ug/ml
17) T n-Tricontane (C30)	18.010	2973372	22.236 ug/ml
18) T n-Dotriacontane (C32)	18.842	3055235	22.927 ug/ml
19) T n-Tetratriacontane (C34)	19.625	3014933	24.400 ug/mlm
20) T n-Hexatriacontane (C36)	20.364	2768724	24.955 ug/mlm
21) T n-Octatriacontane (C38)	21.091	2715438	24.623 ug/ml
22) T n-Tetracontane (C40)	21.977	2264750	20.813 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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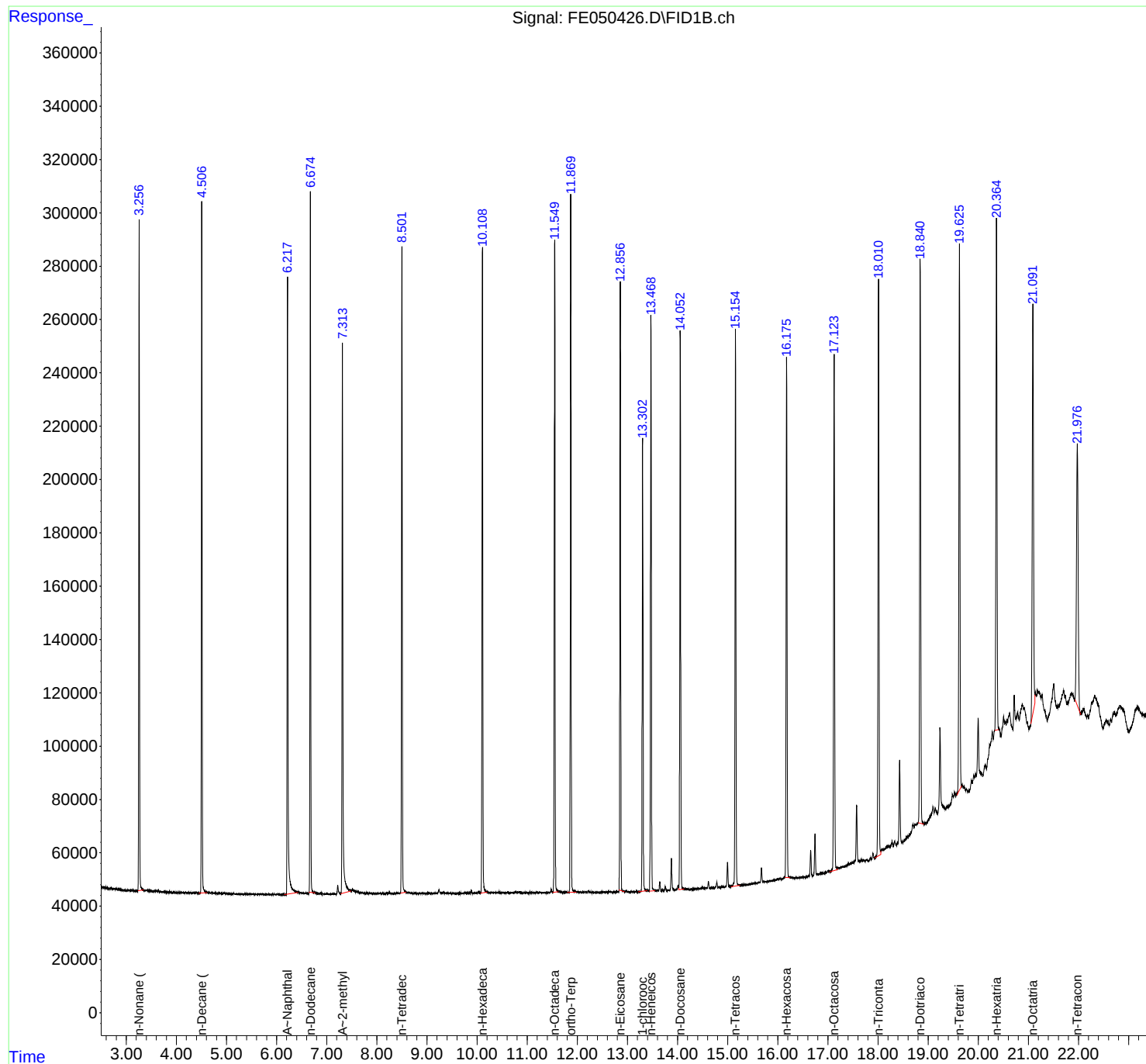
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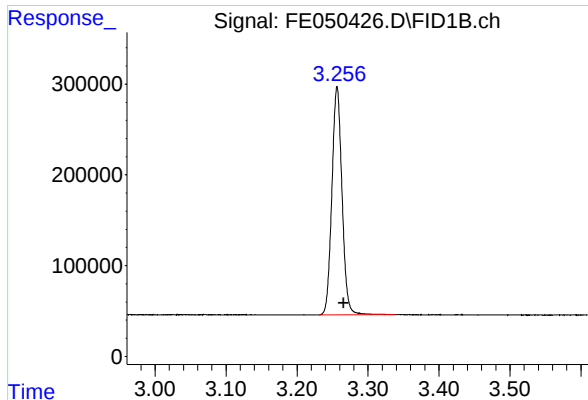
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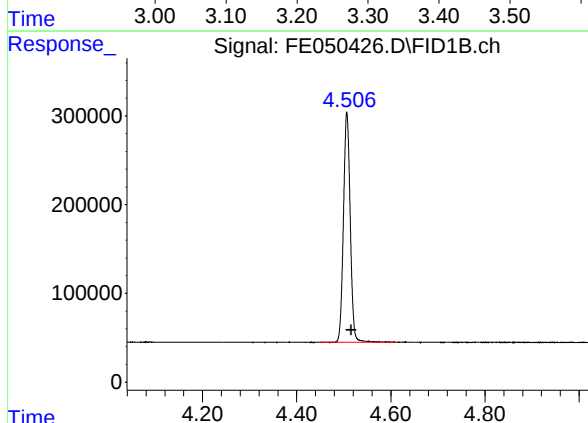
#1 n-Nonane (C9)

R.T.: 3.257 min
Delta R.T.: -0.009 min
Response: 2493070
Conc: 18.39 ug/ml

Instrument :
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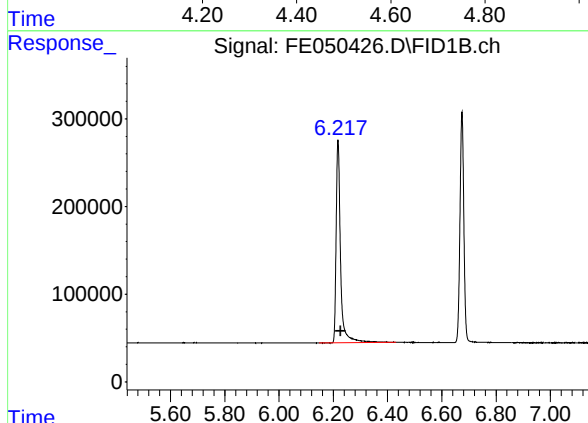
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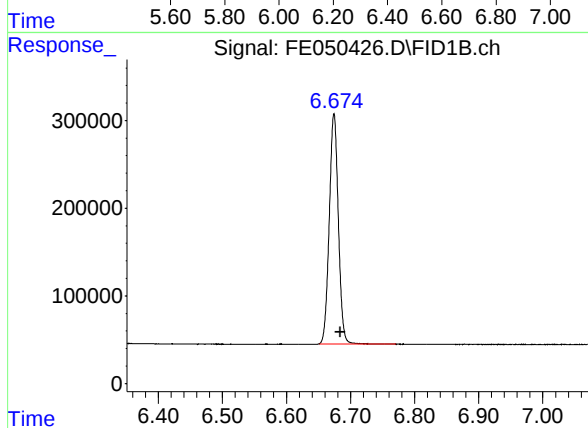
#2 n-Decane (C10)

R.T.: 4.507 min
Delta R.T.: -0.010 min
Response: 2593980
Conc: 18.80 ug/ml



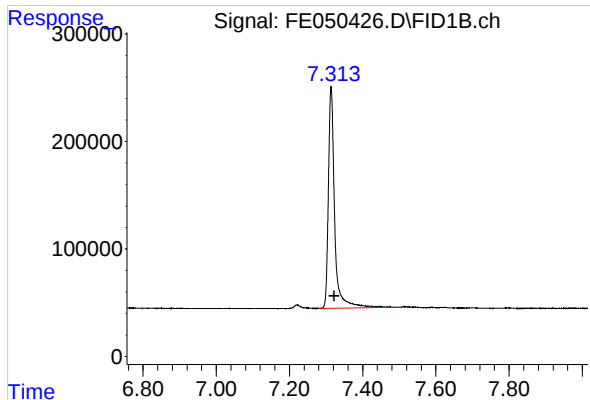
#3 A~Naphthalene (C11.7)

R.T.: 6.218 min
Delta R.T.: -0.009 min
Response: 2626689
Conc: 18.77 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.674 min
Delta R.T.: -0.010 min
Response: 2587217
Conc: 18.71 ug/ml



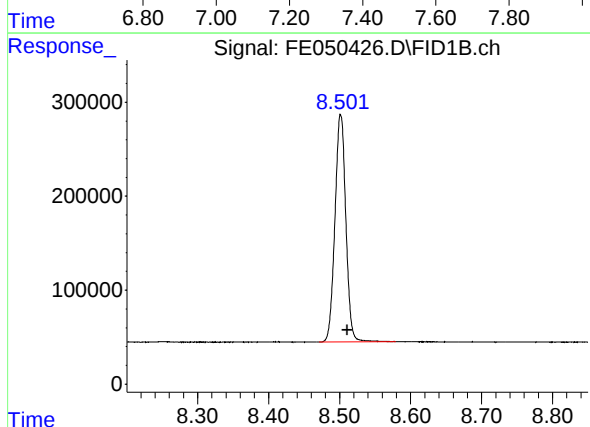
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.314 min
Delta R.T.: -0.009 min
Response: 2447722
Conc: 18.62 ug/ml

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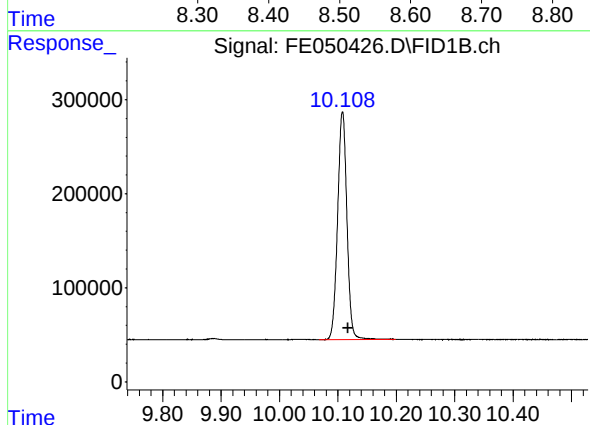
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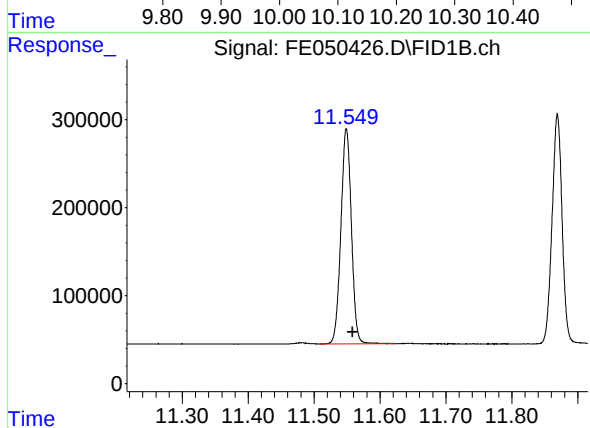
#6 n-Tetradecane (C14)

R.T.: 8.502 min
Delta R.T.: -0.009 min
Response: 2580278
Conc: 18.95 ug/ml



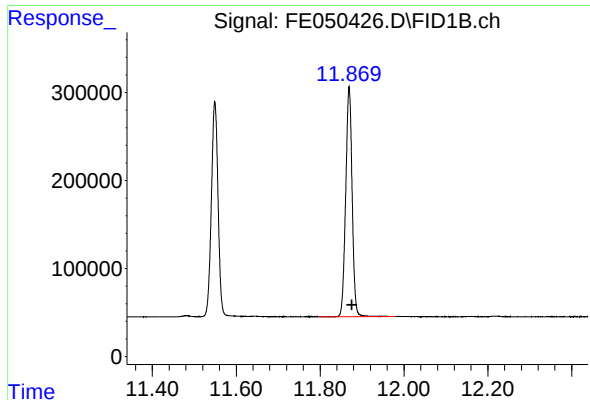
#7 n-Hexadecane (C16)

R.T.: 10.108 min
Delta R.T.: -0.009 min
Response: 2681043
Conc: 19.30 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.549 min
Delta R.T.: -0.009 min
Response: 2704954
Conc: 19.31 ug/ml



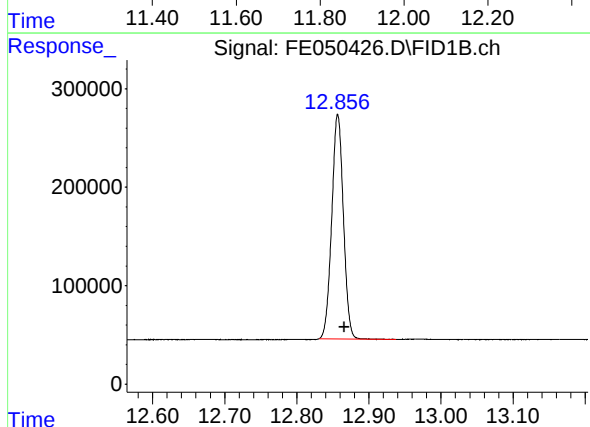
#9 ortho-Terphenyl (SURR)

R.T.: 11.869 min
Delta R.T.: -0.007 min
Response: 2780382
Conc: 18.69 ug/ml

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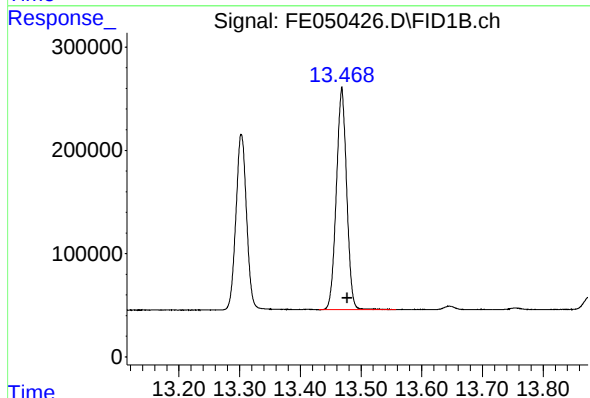
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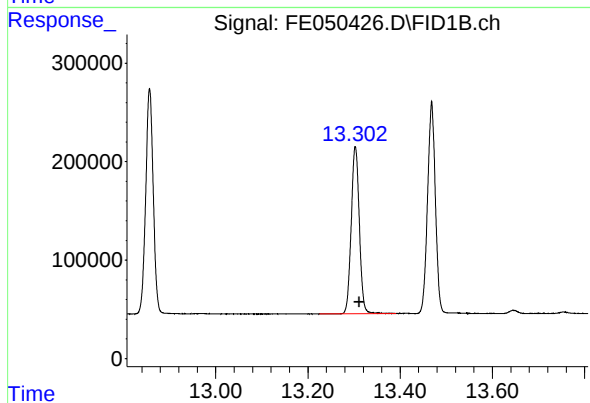
#10 n-Eicosane (C20)

R.T.: 12.857 min
Delta R.T.: -0.009 min
Response: 2563221
Conc: 19.11 ug/ml



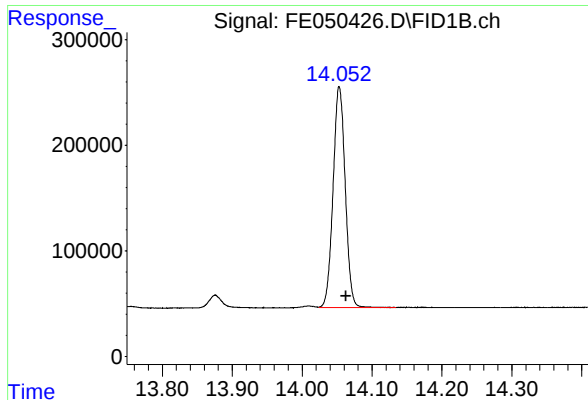
#11 n-Heneicosane (C21)

R.T.: 13.468 min
Delta R.T.: -0.009 min
Response: 2540291
Conc: 19.33 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.303 min
Delta R.T.: -0.009 min
Response: 2068663
Conc: 18.42 ug/ml



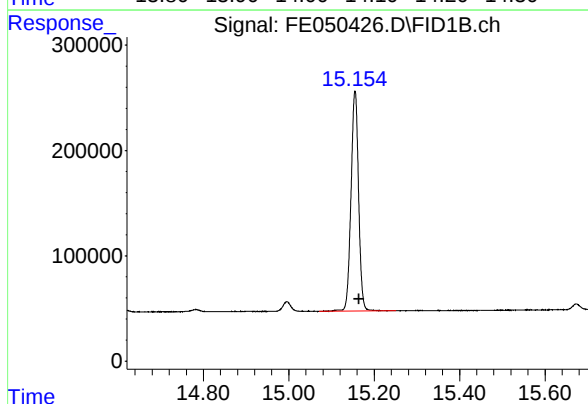
#13 n-Docosane (C22)

R.T.: 14.053 min
Delta R.T.: -0.010 min
Response: 2532047
Conc: 19.44 ug/ml

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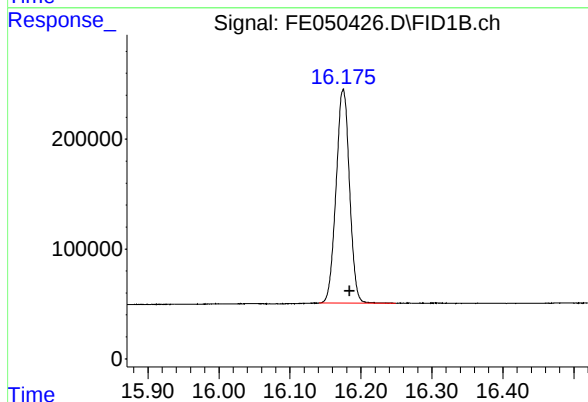
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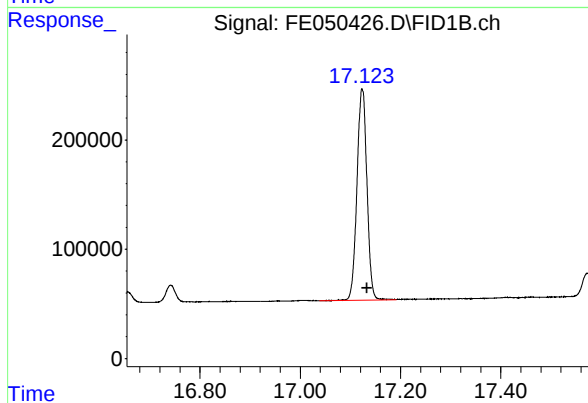
#14 n-Tetracosane (C24)

R.T.: 15.155 min
Delta R.T.: -0.009 min
Response: 2575205
Conc: 19.72 ug/ml



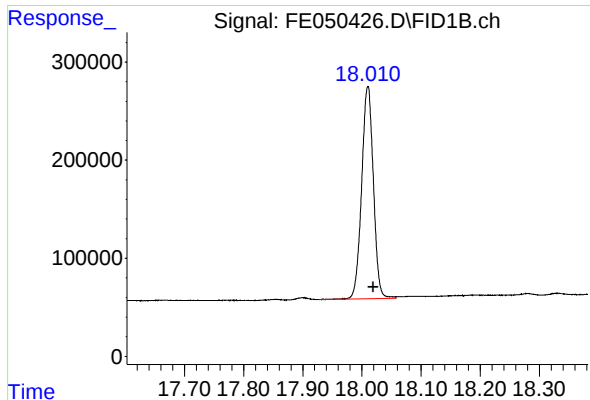
#15 n-Hexacosane (C26)

R.T.: 16.175 min
Delta R.T.: -0.009 min
Response: 2558867
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.124 min
Delta R.T.: -0.010 min
Response: 2680415
Conc: 20.81 ug/ml



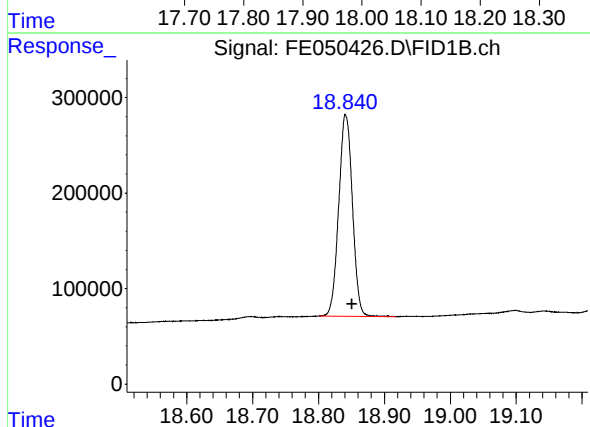
#17 n-Tricontane (C30)

R.T.: 18.010 min
Delta R.T.: -0.010 min
Response: 2973372
Conc: 22.24 ug/ml

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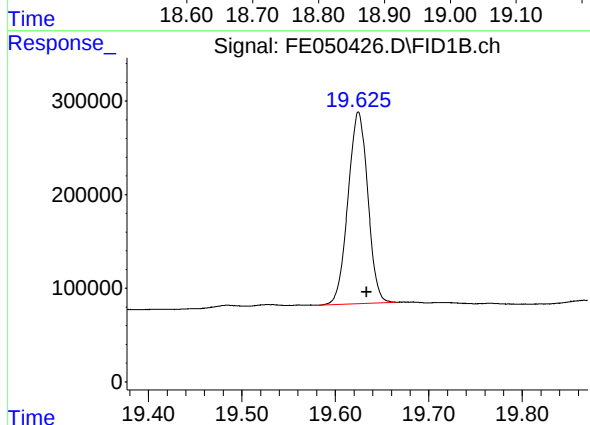
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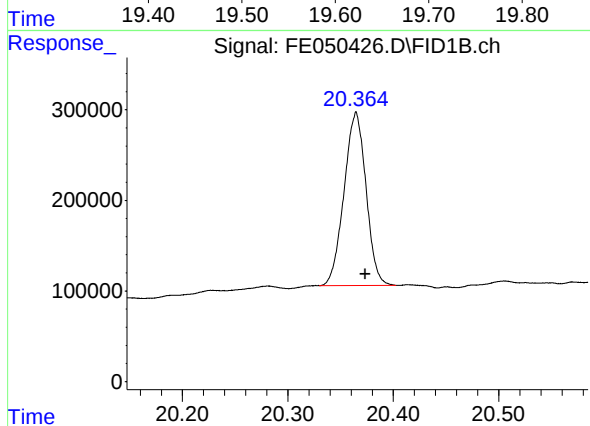
#18 n-Dotriacontane (C32)

R.T.: 18.842 min
Delta R.T.: -0.010 min
Response: 3055235
Conc: 22.93 ug/ml



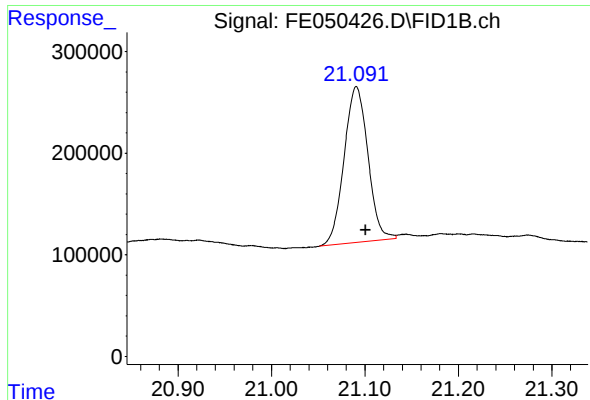
#19 n-Tetatriacontane (C34)

R.T.: 19.625 min
Delta R.T.: -0.009 min
Response: 3014933
Conc: 24.40 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.364 min
Delta R.T.: -0.009 min
Response: 2768724
Conc: 24.95 ug/ml m



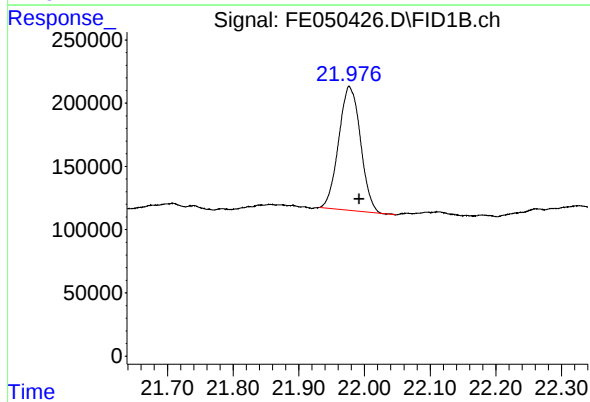
#21 n-Octatriacontane (C38)

R.T.: 21.091 min
Delta R.T.: -0.010 min
Response: 2715438
Conc: 24.62 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.977 min
Delta R.T.: -0.015 min
Response: 2264750
Conc: 20.81 ug/ml