

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092024AL\
 Data File : FE050254.D
 Signal(s) : FID1B.ch
 Acq On : 20 Sep 2024 20:23
 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 09/23/2024
 Supervised By :Ankita Jodhani 09/23/2024

Integration File: autoint1.e
 Quant Time: Sep 21 03:47:19 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)	11.867	3006511	20.208 ug/ml
Spiked Amount 50.000		Recovery =	40.42%
12) S 1-chlorooctadecane (S...	13.302	2253054	20.058 ug/ml
Spiked Amount 50.000		Recovery =	40.12%
Target Compounds			
1) T n-Nonane (C9)	3.257	2662141	19.640 ug/mlm
2) T n-Decane (C10)	4.507	2764837	20.033 ug/ml
3) T A~Naphthalene (C11.7)	6.217	2798897	19.997 ug/ml
4) T n-Dodecane (C12)	6.675	2751690	19.899 ug/ml
5) T A~2-methylnaphthalene...	7.312	2612171	19.874 ug/ml
6) T n-Tetradecane (C14)	8.501	2749152	20.189 ug/ml
7) T n-Hexadecane (C16)	10.107	2820291	20.304 ug/ml
8) T n-Octadecane (C18)	11.549	2846345	20.316 ug/ml
10) T n-Eicosane (C20)	12.855	2708271	20.189 ug/mlm
11) T n-Heneicosane (C21)	13.467	2658679	20.234 ug/ml
13) T n-Docosane (C22)	14.053	2637347	20.253 ug/ml
14) T n-Tetracosane (C24)	15.153	2635981	20.185 ug/ml
15) T n-Hexacosane (C26)	16.173	2598863	20.313 ug/ml
16) T n-Octacosane (C28)	17.122	2709011	21.031 ug/ml
17) T n-Tricontane (C30)	18.007	2982277	22.302 ug/ml
18) T n-Dotriacontane (C32)	18.840	3050562	22.892 ug/ml
19) T n-Tetratriacontane (C34)	19.622	2798307	22.647 ug/ml
20) T n-Hexatriacontane (C36)	20.361	2474175	22.300 ug/ml
21) T n-Octatriacontane (C38)	21.086	2312596	20.970 ug/mlm
22) T n-Tetracontane (C40)	21.974	2161227	19.862 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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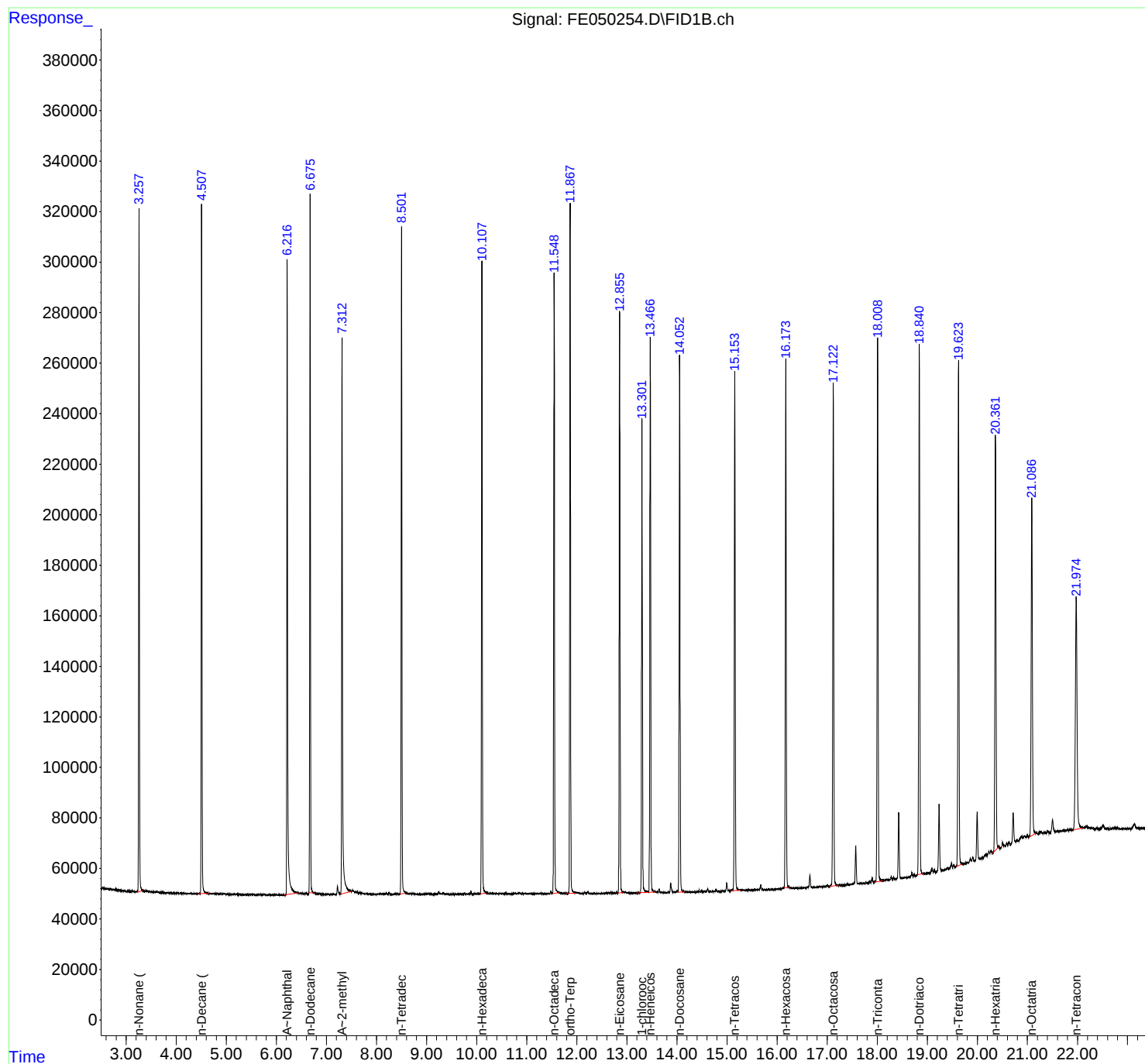
Instrument :
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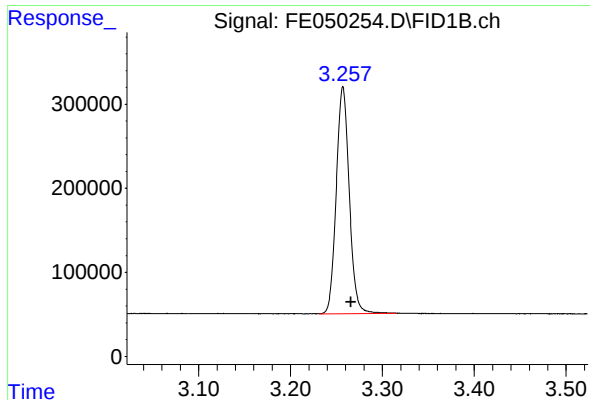
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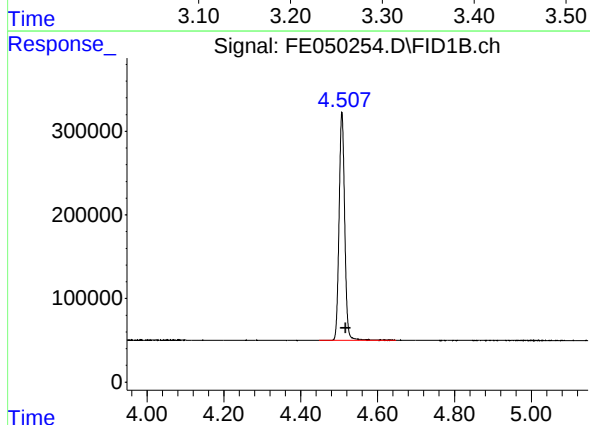
#1 n-Nonane (C9)

R.T.: 3.257 min
Delta R.T.: -0.009 min
Response: 2662141
Conc: 19.64 ug/ml

Instrument : FID_E
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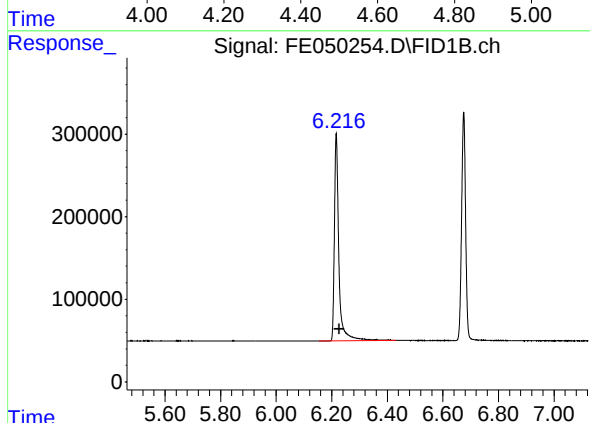
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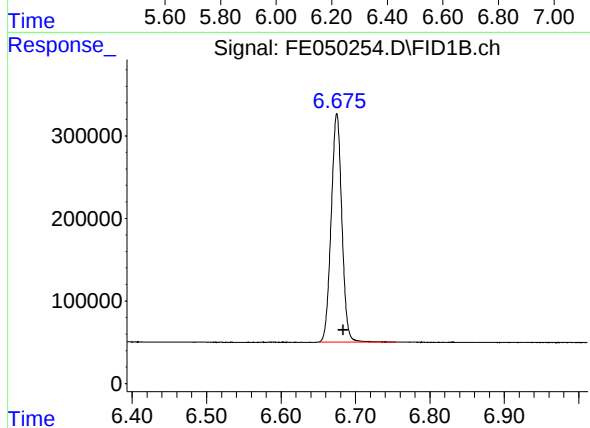
#2 n-Decane (C10)

R.T.: 4.507 min
Delta R.T.: -0.009 min
Response: 2764837
Conc: 20.03 ug/ml



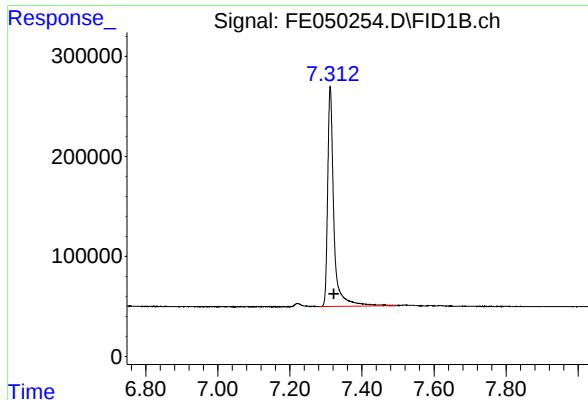
#3 A~Naphthalene (C11.7)

R.T.: 6.217 min
Delta R.T.: -0.011 min
Response: 2798897
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.675 min
Delta R.T.: -0.009 min
Response: 2751690
Conc: 19.90 ug/ml



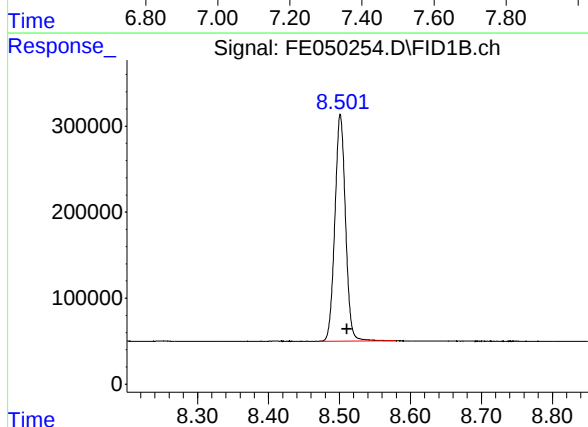
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.312 min
Delta R.T.: -0.011 min
Response: 2612171
Conc: 19.87 ug/ml

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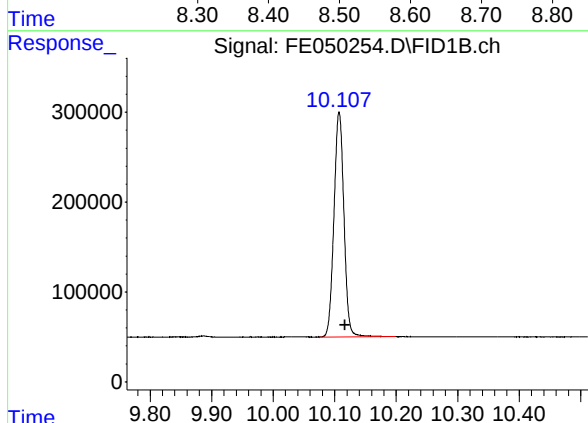
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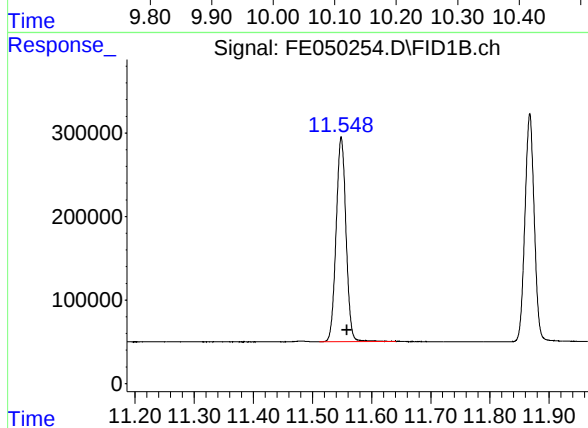
#6 n-Tetradecane (C14)

R.T.: 8.501 min
Delta R.T.: -0.009 min
Response: 2749152
Conc: 20.19 ug/ml



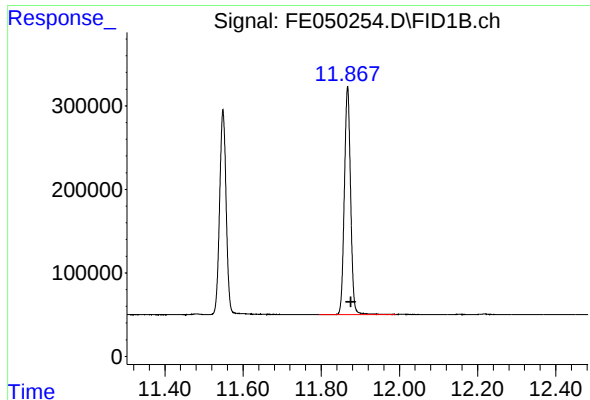
#7 n-Hexadecane (C16)

R.T.: 10.107 min
Delta R.T.: -0.010 min
Response: 2820291
Conc: 20.30 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.549 min
Delta R.T.: -0.010 min
Response: 2846345
Conc: 20.32 ug/ml



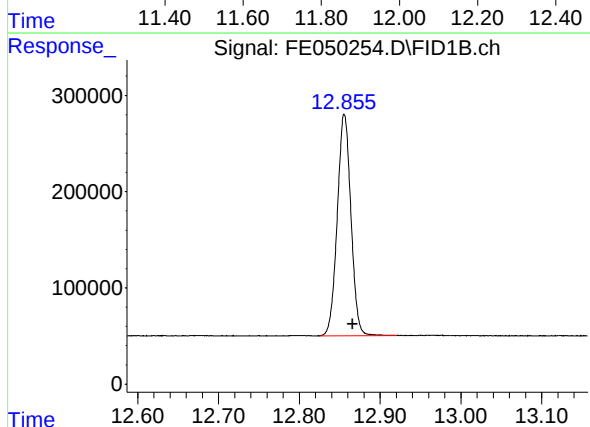
#9 ortho-Terphenyl (SURR)

R.T.: 11.867 min
Delta R.T.: -0.009 min
Response: 3006511
Conc: 20.21 ug/ml

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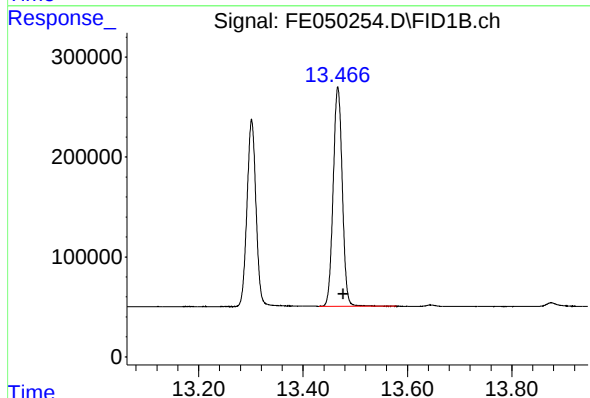
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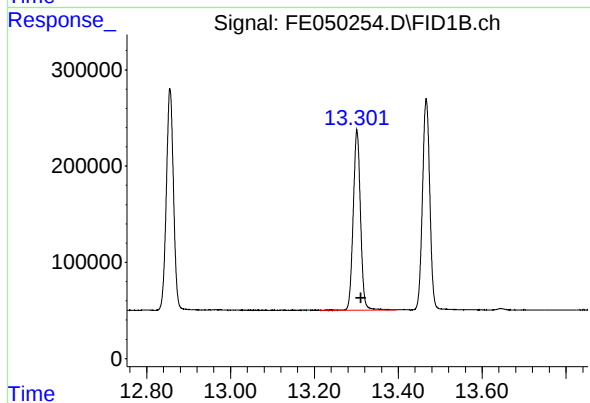
#10 n-Eicosane (C20)

R.T.: 12.855 min
Delta R.T.: -0.011 min
Response: 2708271
Conc: 20.19 ug/ml m



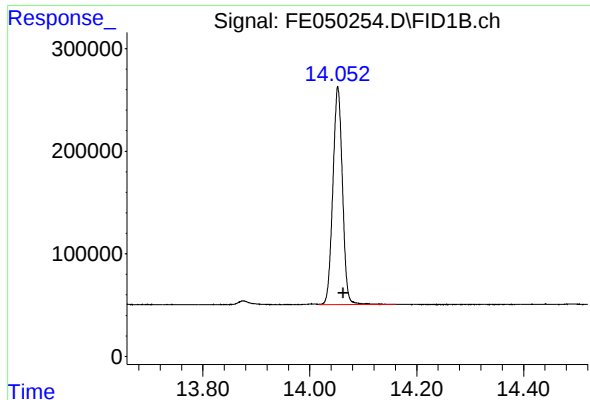
#11 n-Heneicosane (C21)

R.T.: 13.467 min
Delta R.T.: -0.011 min
Response: 2658679
Conc: 20.23 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.302 min
Delta R.T.: -0.010 min
Response: 2253054
Conc: 20.06 ug/ml



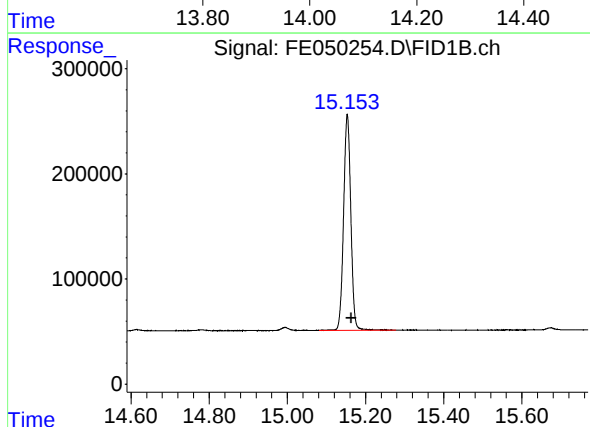
#13 n-Docosane (C22)

R.T.: 14.053 min
Delta R.T.: -0.010 min
Response: 2637347
Conc: 20.25 ug/ml

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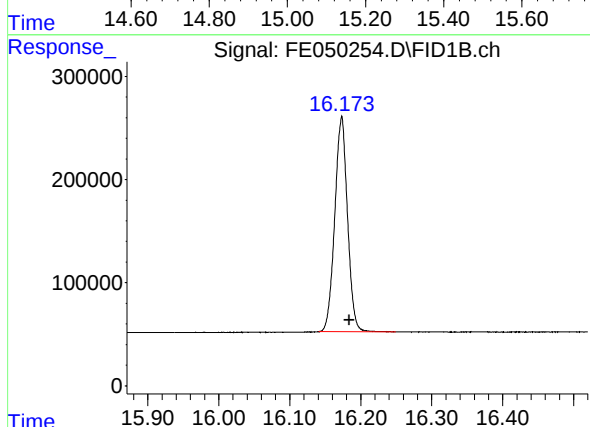
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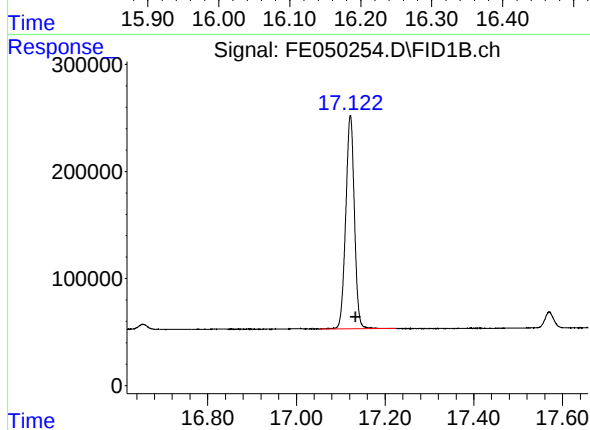
#14 n-Tetracosane (C24)

R.T.: 15.153 min
Delta R.T.: -0.011 min
Response: 2635981
Conc: 20.19 ug/ml



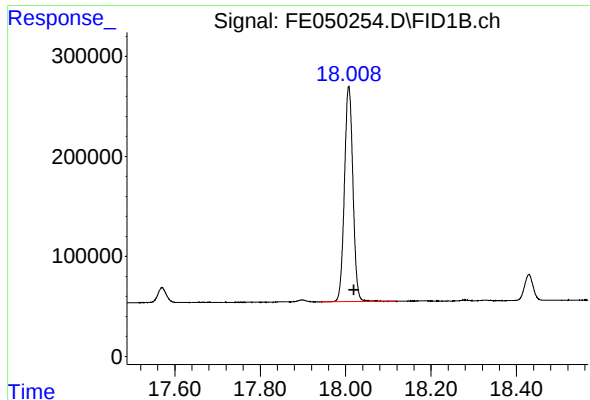
#15 n-Hexacosane (C26)

R.T.: 16.173 min
Delta R.T.: -0.011 min
Response: 2598863
Conc: 20.31 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.122 min
Delta R.T.: -0.012 min
Response: 2709011
Conc: 21.03 ug/ml



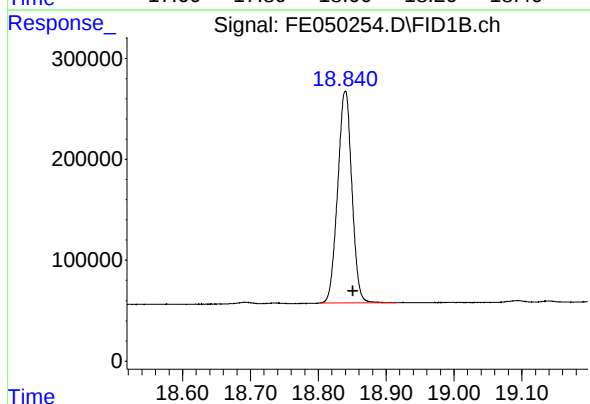
#17 n-Tricontane (C30)

R.T.: 18.007 min
Delta R.T.: -0.012 min
Response: 2982277
Conc: 22.30 ug/ml

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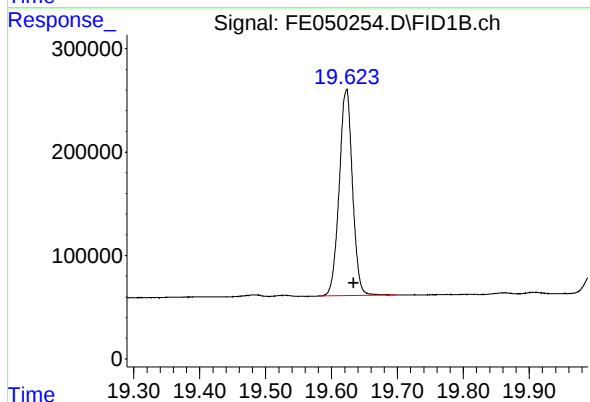
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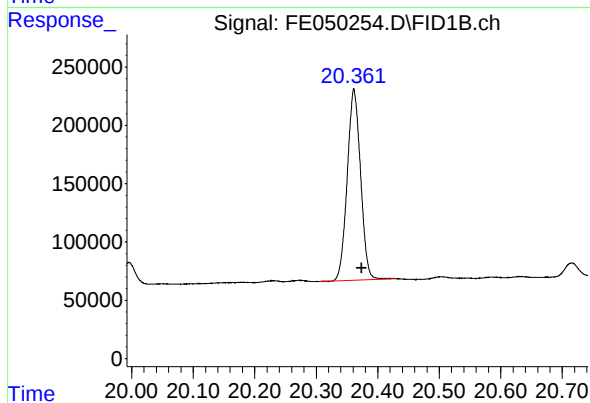
#18 n-Dotriacontane (C32)

R.T.: 18.840 min
Delta R.T.: -0.011 min
Response: 3050562
Conc: 22.89 ug/ml



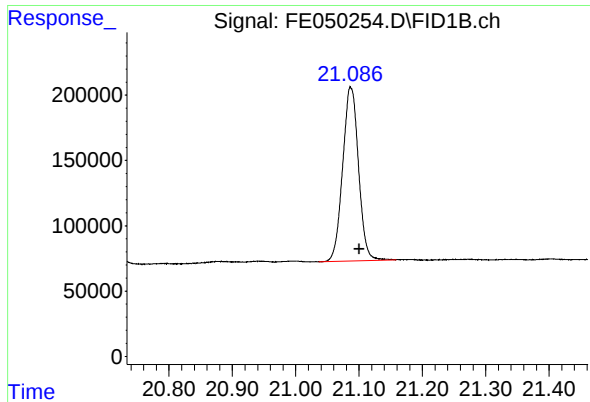
#19 n-Tetatriacontane (C34)

R.T.: 19.622 min
Delta R.T.: -0.011 min
Response: 2798307
Conc: 22.65 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.361 min
Delta R.T.: -0.012 min
Response: 2474175
Conc: 22.30 ug/ml



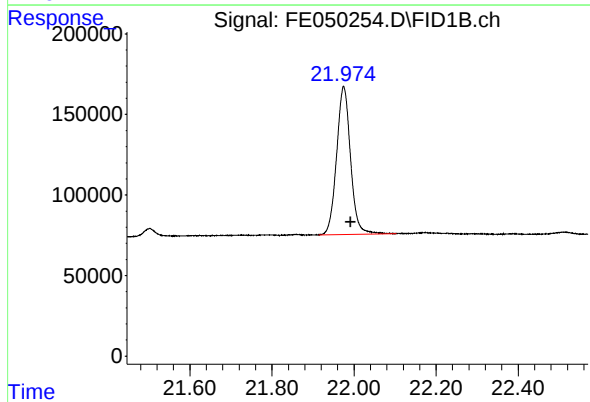
#21 n-Octatriacontane (C38)

R.T.: 21.086 min
Delta R.T.: -0.015 min
Response: 2312596
Conc: 20.97 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.974 min
Delta R.T.: -0.019 min
Response: 2161227
Conc: 19.86 ug/ml m