

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092524AL\
 Data File : FE050358.D
 Signal(s) : FID1B.ch
 Acq On : 25 Sep 2024 19:59
 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 09/26/2024
 Supervised By :Ankita Jodhani 09/26/2024

Integration File: autoint1.e
 Quant Time: Sep 26 01:18:42 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)	11.868	2516700	16.916 ug/ml
Spiked Amount 50.000		Recovery =	33.83%
12) S 1-chlorooctadecane (S...	13.302	1929826	17.180 ug/ml
Spiked Amount 50.000		Recovery =	34.36%
Target Compounds			
1) T n-Nonane (C9)	3.257	2281740	16.834 ug/ml
2) T n-Decane (C10)	4.508	2364398	17.132 ug/ml
3) T A~Naphthalene (C11.7)	6.218	2420485	17.293 ug/ml
4) T n-Dodecane (C12)	6.675	2367538	17.121 ug/ml
5) T A~2-methylnaphthalene...	7.314	2261616	17.207 ug/ml
6) T n-Tetradecane (C14)	8.501	2370178	17.406 ug/ml
7) T n-Hexadecane (C16)	10.108	2456105	17.682 ug/ml
8) T n-Octadecane (C18)	11.548	2467817	17.614 ug/ml
10) T n-Eicosane (C20)	12.855	2368031	17.653 ug/mlm
11) T n-Heneicosane (C21)	13.468	2317678	17.639 ug/ml
13) T n-Docosane (C22)	14.053	2310451	17.743 ug/ml
14) T n-Tetracosane (C24)	15.154	2331550	17.854 ug/ml
15) T n-Hexacosane (C26)	16.174	2301200	17.987 ug/ml
16) T n-Octacosane (C28)	17.123	2397966	18.616 ug/ml
17) T n-Tricontane (C30)	18.010	2661374	19.902 ug/ml
18) T n-Dotriacontane (C32)	18.841	2717813	20.395 ug/ml
19) T n-Tetratriacontane (C34)	19.624	2722563	22.034 ug/ml
20) T n-Hexatriacontane (C36)	20.362	2670344	24.068 ug/mlm
21) T n-Octatriacontane (C38)	21.087	2500138	22.671 ug/mlm
22) T n-Tetracontane (C40)	21.977	2162909	19.877 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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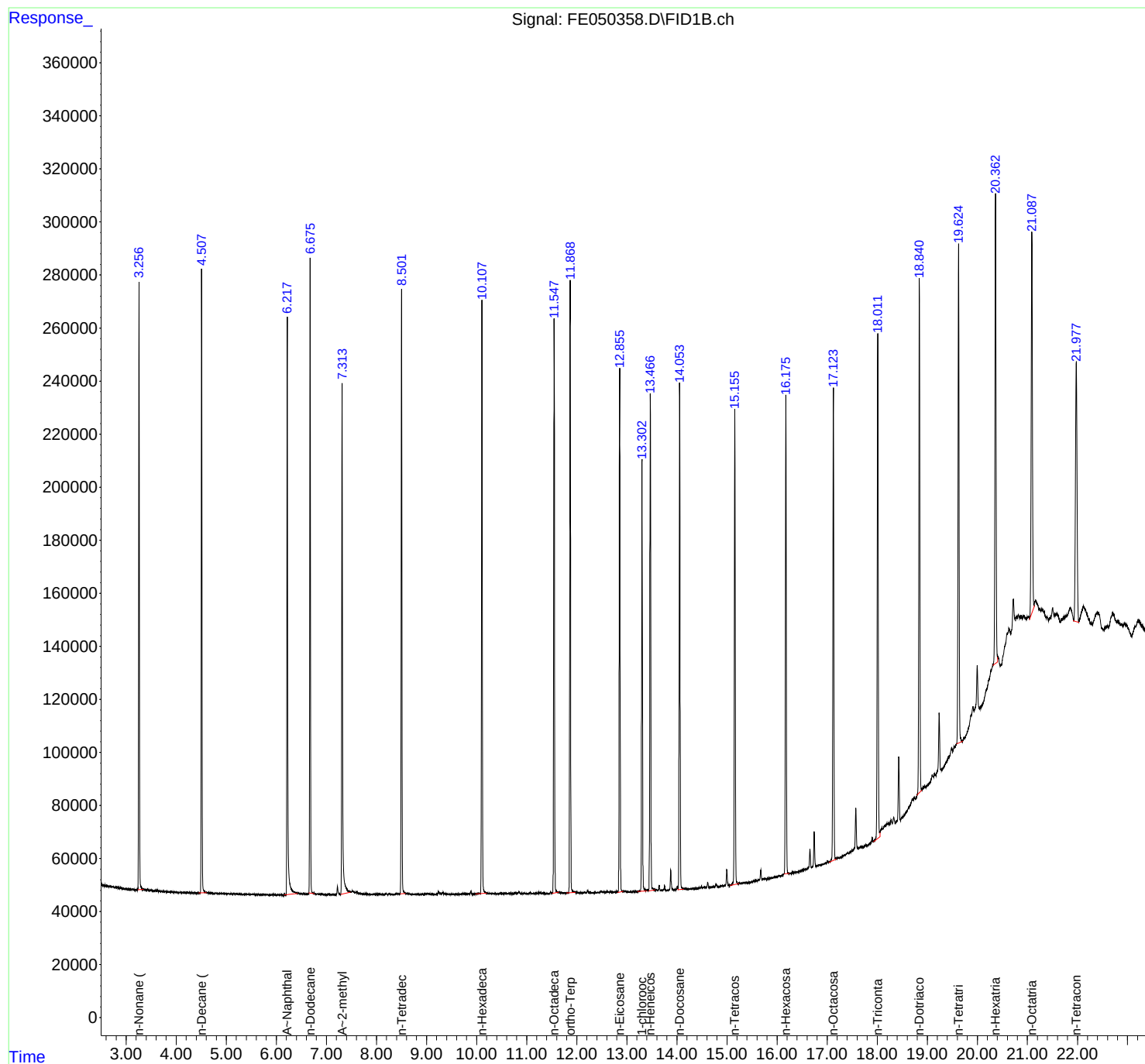
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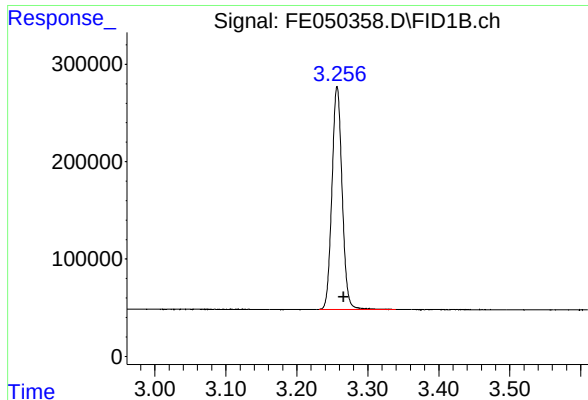
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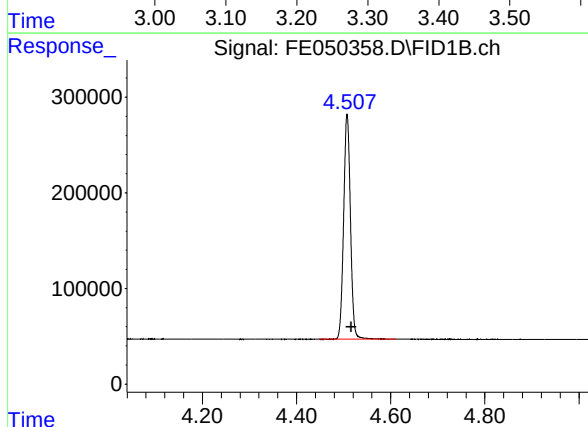
#1 n-Nonane (C9)

R.T.: 3.257 min
Delta R.T.: -0.009 min
Response: 2281740
Conc: 16.83 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

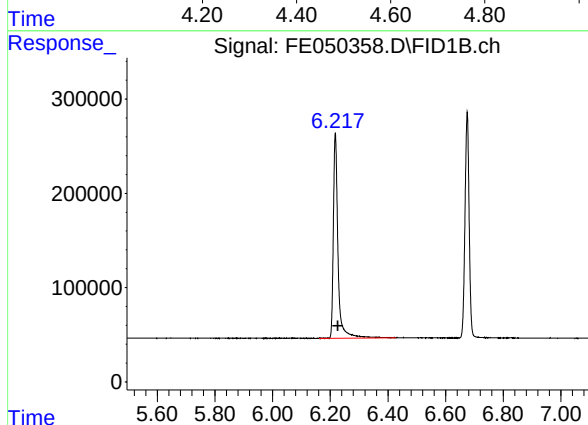
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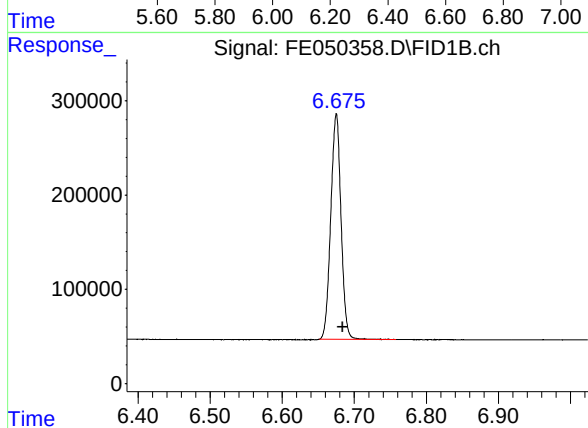
#2 n-Decane (C10)

R.T.: 4.508 min
Delta R.T.: -0.009 min
Response: 2364398
Conc: 17.13 ug/ml



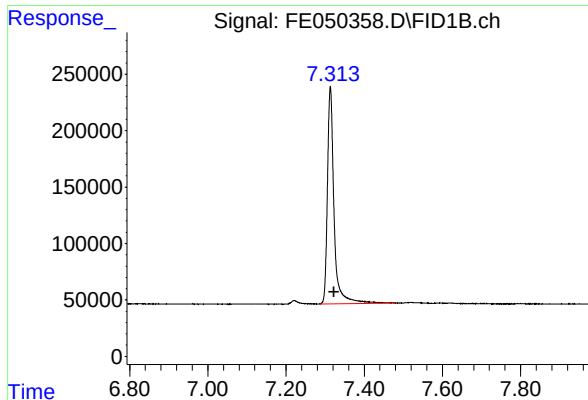
#3 A~Naphthalene (C11.7)

R.T.: 6.218 min
Delta R.T.: -0.009 min
Response: 2420485
Conc: 17.29 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.675 min
Delta R.T.: -0.009 min
Response: 2367538
Conc: 17.12 ug/ml



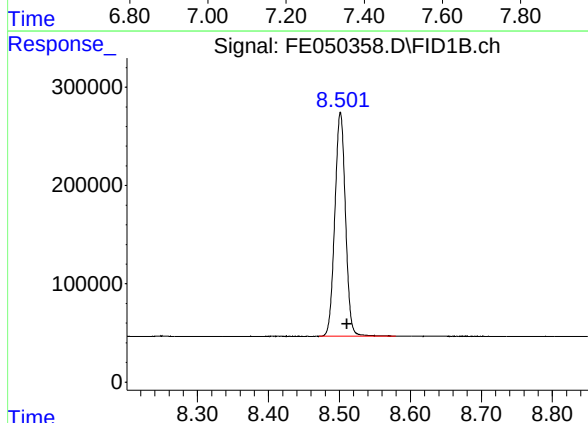
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.314 min
Delta R.T.: -0.010 min
Response: 2261616
Conc: 17.21 ug/ml

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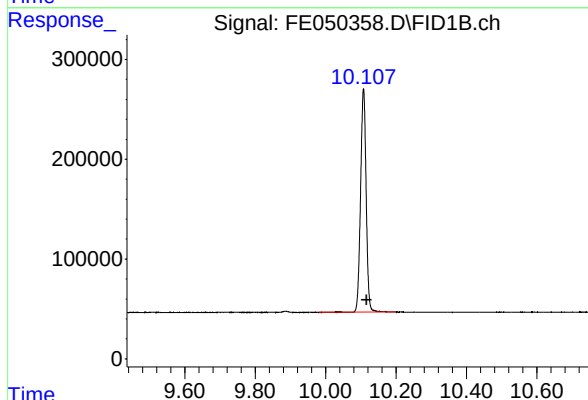
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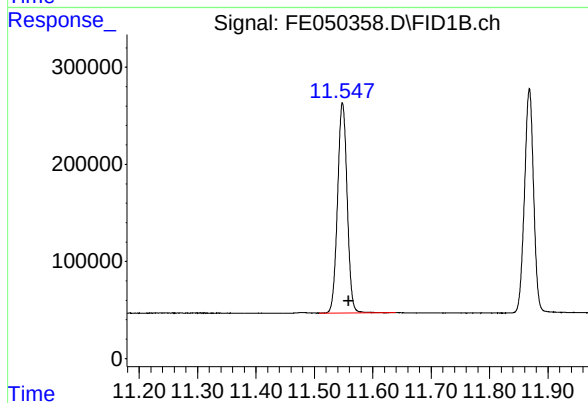
#6 n-Tetradecane (C14)

R.T.: 8.501 min
Delta R.T.: -0.009 min
Response: 2370178
Conc: 17.41 ug/ml



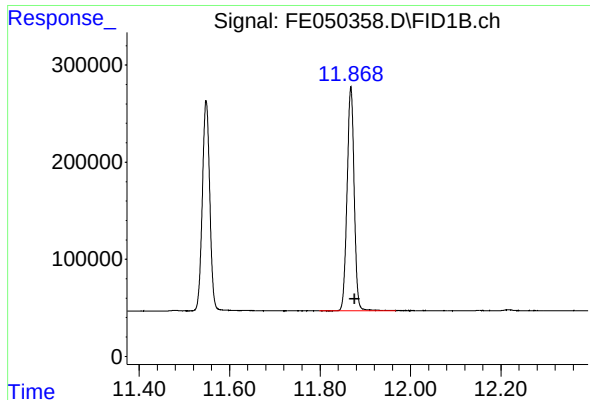
#7 n-Hexadecane (C16)

R.T.: 10.108 min
Delta R.T.: -0.009 min
Response: 2456105
Conc: 17.68 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.548 min
Delta R.T.: -0.010 min
Response: 2467817
Conc: 17.61 ug/ml



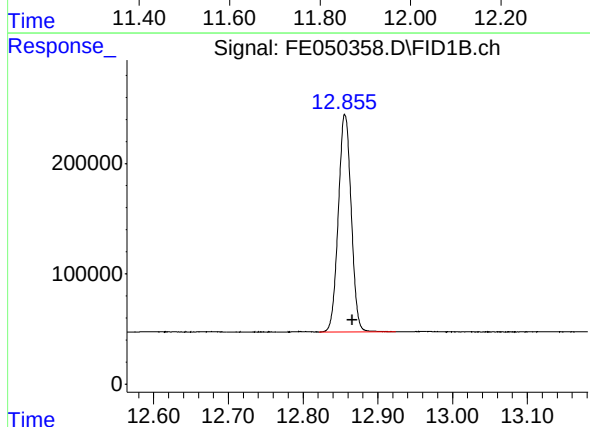
#9 ortho-Terphenyl (SURR)

R.T.: 11.868 min
Delta R.T.: -0.008 min
Response: 2516700
Conc: 16.92 ug/ml

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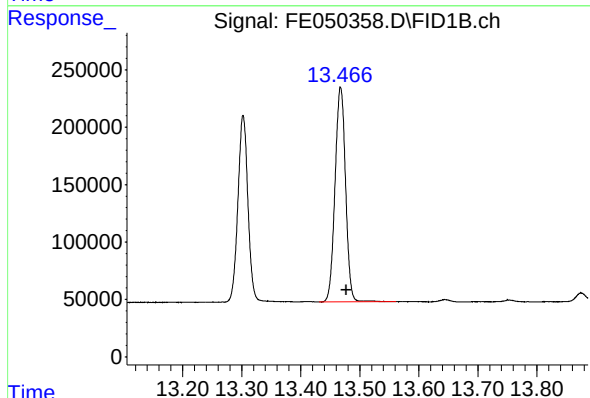
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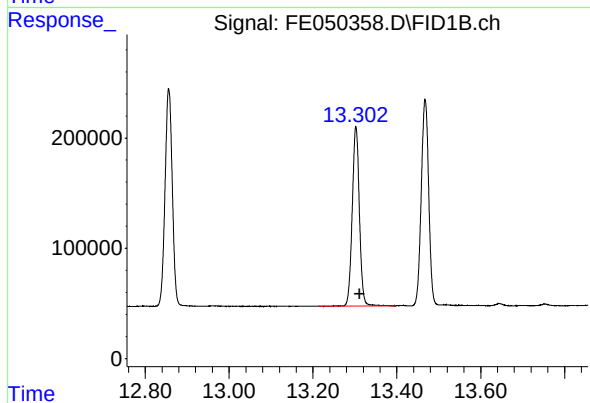
#10 n-Eicosane (C20)

R.T.: 12.855 min
Delta R.T.: -0.011 min
Response: 2368031
Conc: 17.65 ug/ml



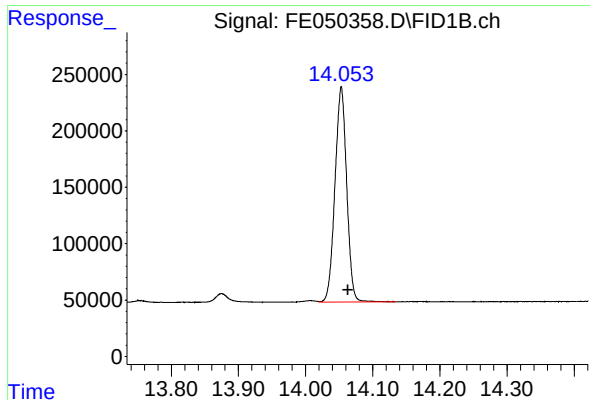
#11 n-Heneicosane (C21)

R.T.: 13.468 min
Delta R.T.: -0.010 min
Response: 2317678
Conc: 17.64 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.302 min
Delta R.T.: -0.009 min
Response: 1929826
Conc: 17.18 ug/ml



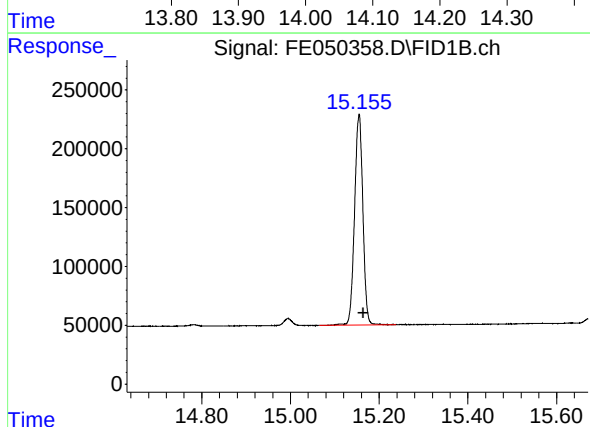
#13 n-Docosane (C22)

R.T.: 14.053 min
Delta R.T.: -0.010 min
Response: 2310451
Conc: 17.74 ug/ml

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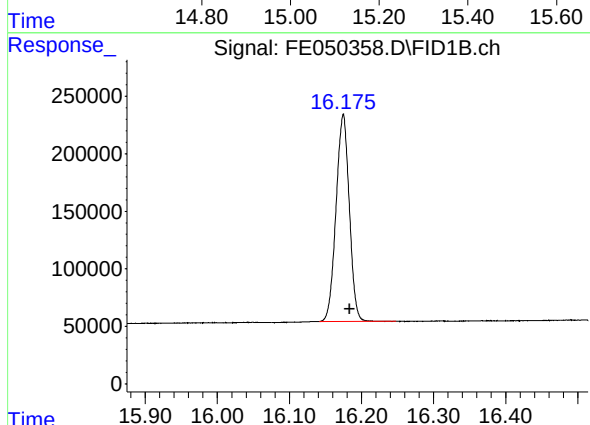
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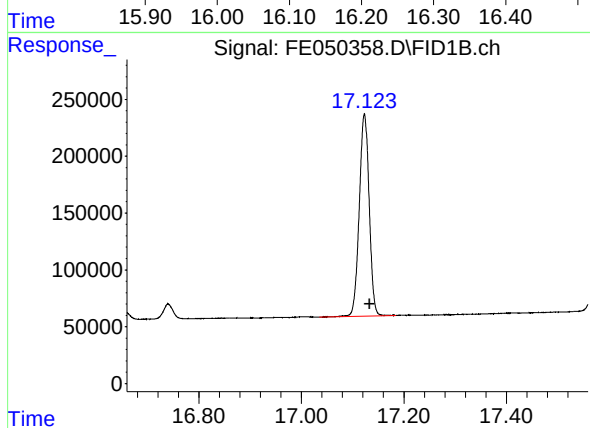
#14 n-Tetracosane (C24)

R.T.: 15.154 min
Delta R.T.: -0.010 min
Response: 2331550
Conc: 17.85 ug/ml



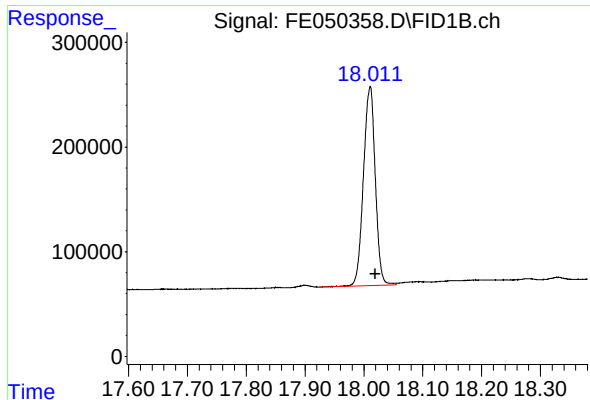
#15 n-Hexacosane (C26)

R.T.: 16.174 min
Delta R.T.: -0.009 min
Response: 2301200
Conc: 17.99 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.123 min
Delta R.T.: -0.010 min
Response: 2397966
Conc: 18.62 ug/ml



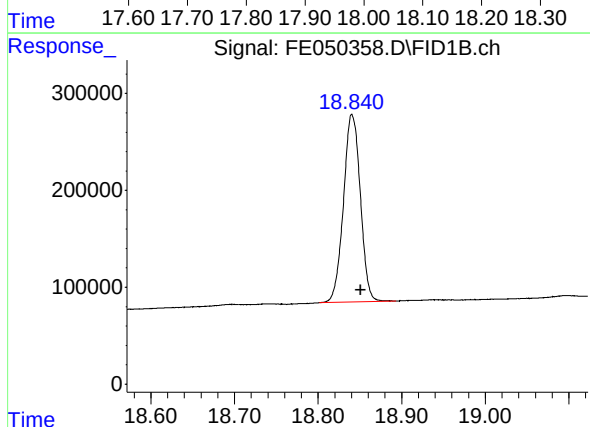
#17 n-Tricontane (C30)

R.T.: 18.010 min
Delta R.T.: -0.010 min
Response: 2661374
Conc: 19.90 ug/ml

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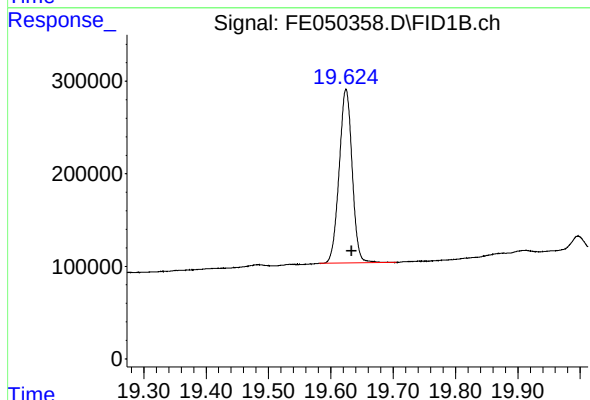
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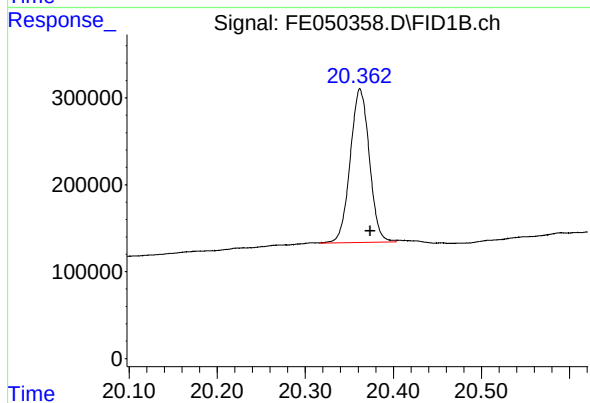
#18 n-Dotriacontane (C32)

R.T.: 18.841 min
Delta R.T.: -0.010 min
Response: 2717813
Conc: 20.40 ug/ml



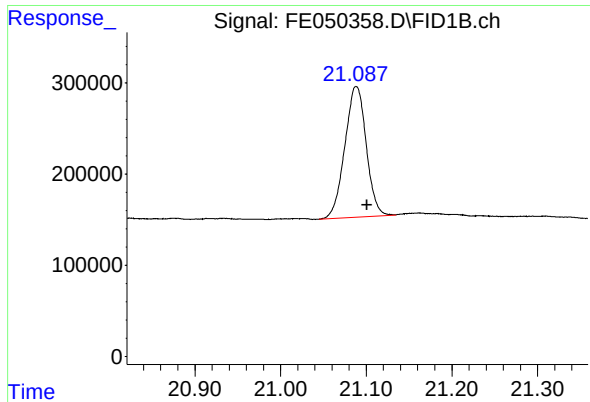
#19 n-Tetratriacontane (C34)

R.T.: 19.624 min
Delta R.T.: -0.009 min
Response: 2722563
Conc: 22.03 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.362 min
Delta R.T.: -0.012 min
Response: 2670344
Conc: 24.07 ug/ml m



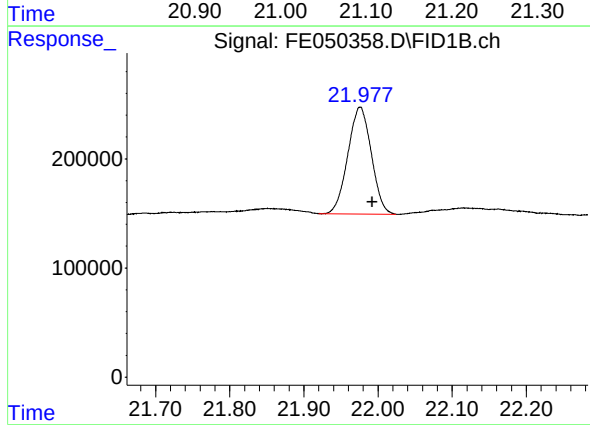
#21 n-Octatriacontane (C38)

R.T.: 21.087 min
Delta R.T.: -0.013 min
Response: 2500138
Conc: 22.67 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.977 min
Delta R.T.: -0.016 min
Response: 2162909
Conc: 19.88 ug/ml m