

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092024AL\
 Data File : FE050234.D
 Signal(s) : FID1B.ch
 Acq On : 20 Sep 2024 07:25
 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 09/23/2024
 Supervised By :Ankita Jodhani 09/23/2024

Integration File: autoint1.e
 Quant Time: Sep 21 03:44:24 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	2978152	20.017 ug/ml
Spiked Amount 50.000		Recovery =	40.03%
12) S 1-chlorooctadecane (S...	13.303	2255010	20.075 ug/ml
Spiked Amount 50.000		Recovery =	40.15%
Target Compounds			
1) T n-Nonane (C9)	3.258	2671626	19.710 ug/mlm
2) T n-Decane (C10)	4.509	2741993	19.868 ug/ml
3) T A~Naphthalene (C11.7)	6.218	2812266	20.092 ug/ml
4) T n-Dodecane (C12)	6.676	2754503	19.919 ug/ml
5) T A~2-methylnaphthalene...	7.314	2618755	19.924 ug/ml
6) T n-Tetradecane (C14)	8.503	2726935	20.026 ug/ml
7) T n-Hexadecane (C16)	10.109	2798857	20.150 ug/ml
8) T n-Octadecane (C18)	11.550	2836473	20.246 ug/ml
10) T n-Eicosane (C20)	12.857	2682236	19.995 ug/ml
11) T n-Heneicosane (C21)	13.469	2646756	20.143 ug/ml
13) T n-Docosane (C22)	14.054	2654480	20.385 ug/ml
14) T n-Tetracosane (C24)	15.156	2702733	20.696 ug/ml
15) T n-Hexacosane (C26)	16.175	2680315	20.950 ug/ml
16) T n-Octacosane (C28)	17.123	2779149	21.576 ug/ml
17) T n-Tricontane (C30)	18.011	2989333	22.355 ug/ml
18) T n-Dotriacontane (C32)	18.842	3017379	22.643 ug/ml
19) T n-Tetratriacontane (C34)	19.625	2749993	22.256 ug/ml
20) T n-Hexatriacontane (C36)	20.364	2416739	21.782 ug/ml
21) T n-Octatriacontane (C38)	21.091	2259842	20.492 ug/ml
22) T n-Tetracontane (C40)	21.977	2130234	19.577 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 6 Sample Multiplier: 1

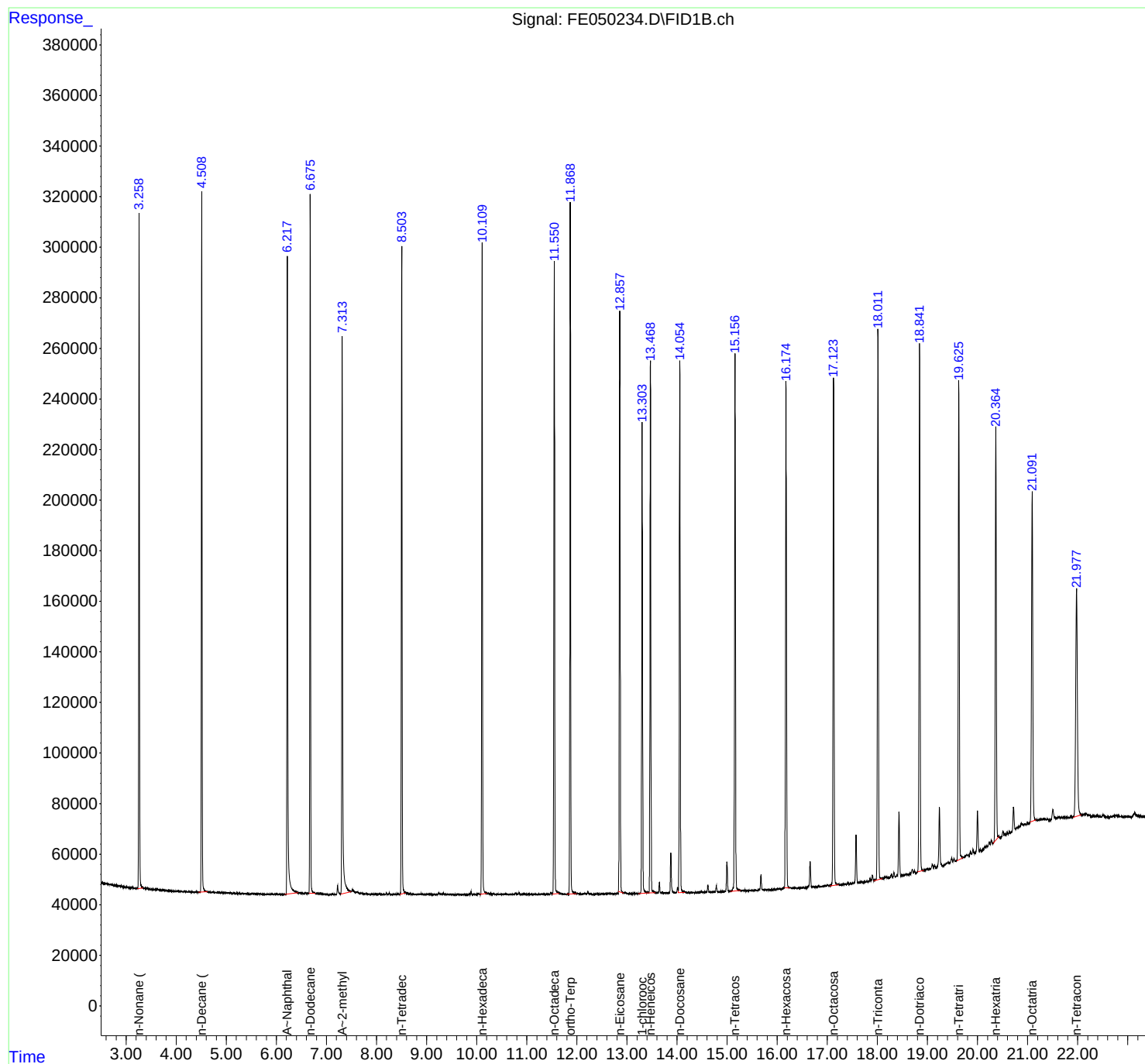
Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

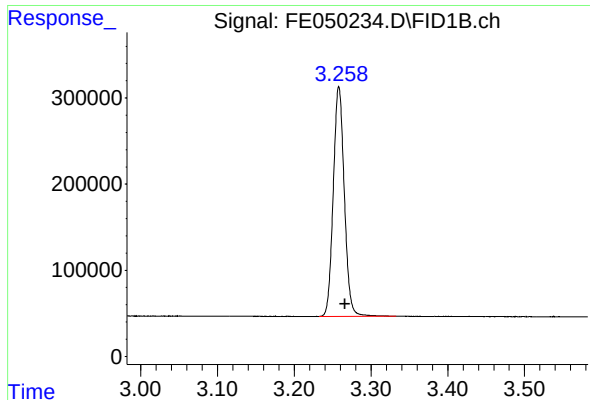
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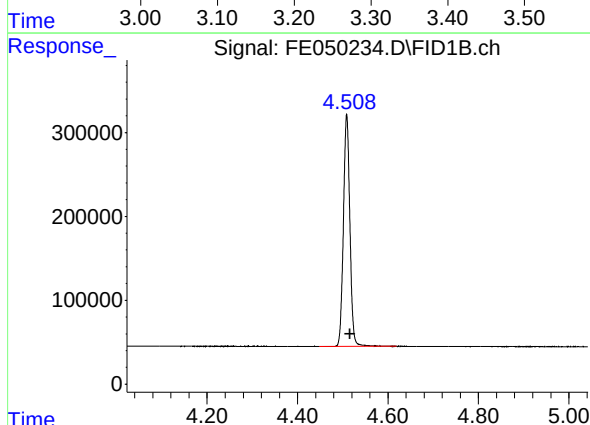
#1 n-Nonane (C9)

R.T.: 3.258 min
Delta R.T.: -0.008 min
Response: 2671626
Conc: 19.71 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

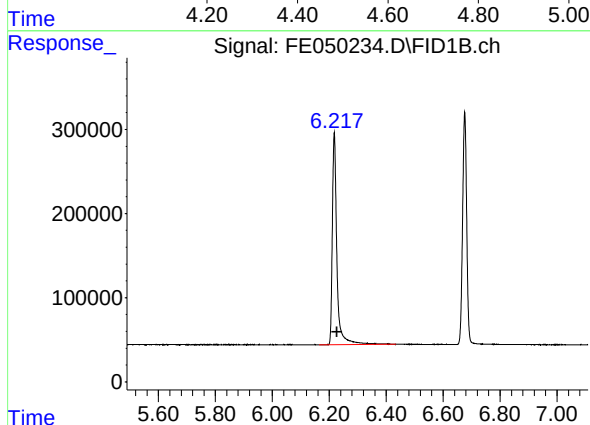
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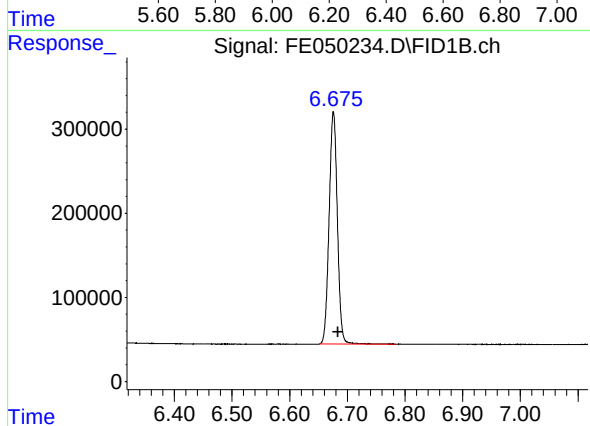
#2 n-Decane (C10)

R.T.: 4.509 min
Delta R.T.: -0.008 min
Response: 2741993
Conc: 19.87 ug/ml



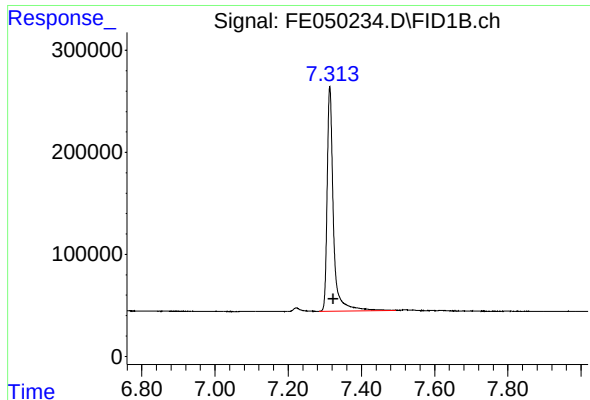
#3 A~Naphthalene (C11.7)

R.T.: 6.218 min
Delta R.T.: -0.009 min
Response: 2812266
Conc: 20.09 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.676 min
Delta R.T.: -0.008 min
Response: 2754503
Conc: 19.92 ug/ml



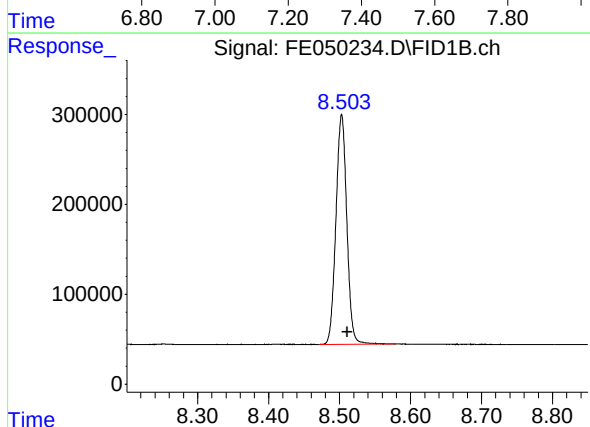
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.314 min
Delta R.T.: -0.009 min
Response: 2618755
Conc: 19.92 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

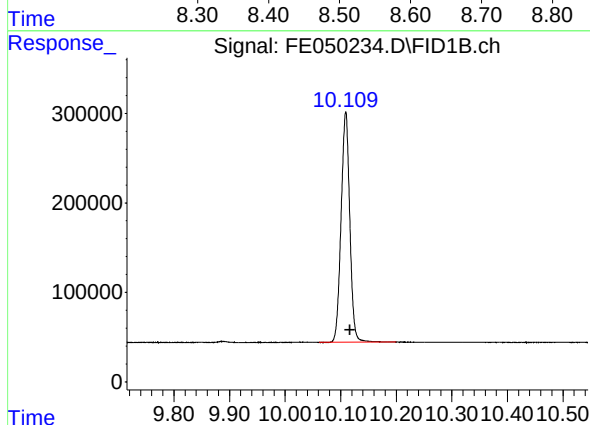
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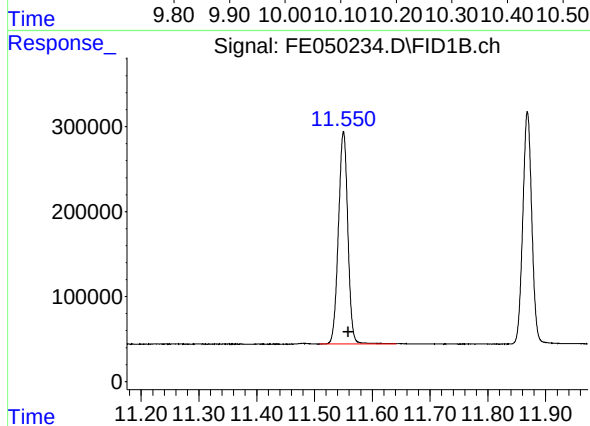
#6 n-Tetradecane (C14)

R.T.: 8.503 min
Delta R.T.: -0.008 min
Response: 2726935
Conc: 20.03 ug/ml



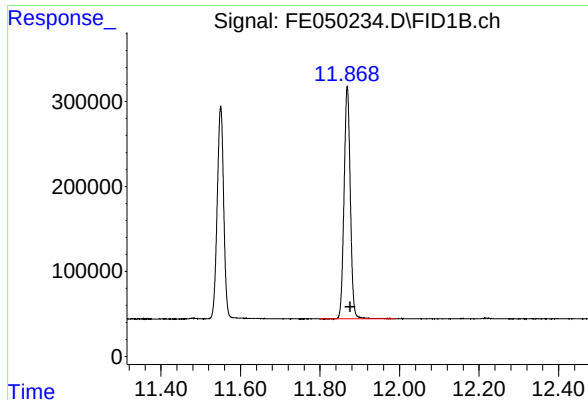
#7 n-Hexadecane (C16)

R.T.: 10.109 min
Delta R.T.: -0.008 min
Response: 2798857
Conc: 20.15 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.550 min
Delta R.T.: -0.008 min
Response: 2836473
Conc: 20.25 ug/ml



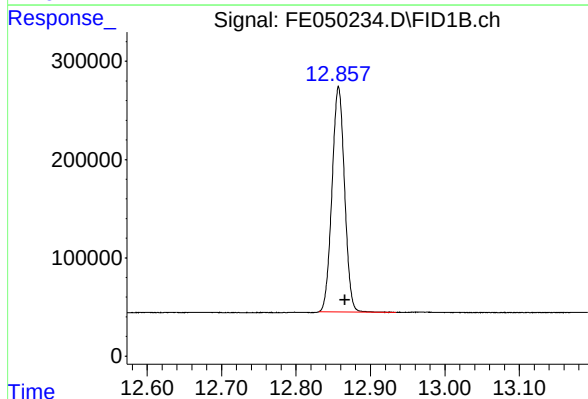
#9 ortho-Terphenyl (SURR)

R.T.: 11.869 min
Delta R.T.: -0.008 min
Response: 2978152
Conc: 20.02 ug/ml

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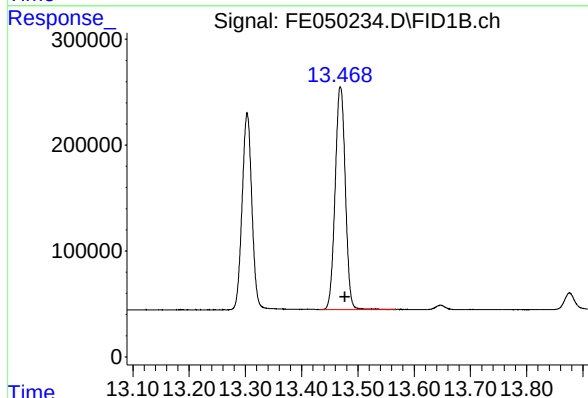
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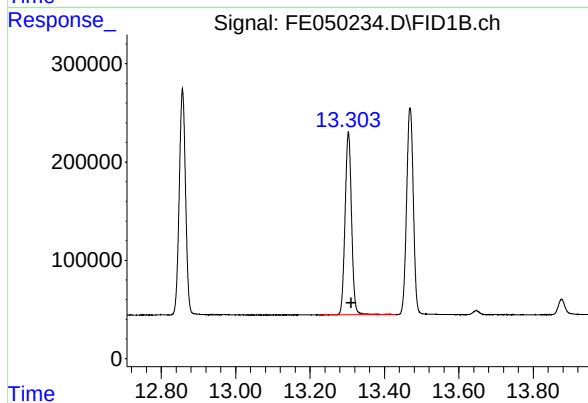
#10 n-Eicosane (C20)

R.T.: 12.857 min
Delta R.T.: -0.009 min
Response: 2682236
Conc: 20.00 ug/ml



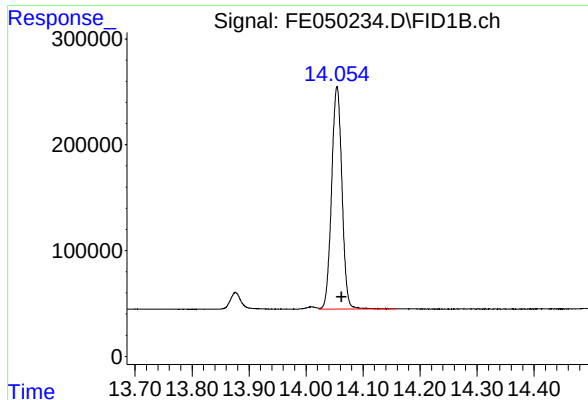
#11 n-Heneicosane (C21)

R.T.: 13.469 min
Delta R.T.: -0.008 min
Response: 2646756
Conc: 20.14 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.303 min
Delta R.T.: -0.008 min
Response: 2255010
Conc: 20.08 ug/ml



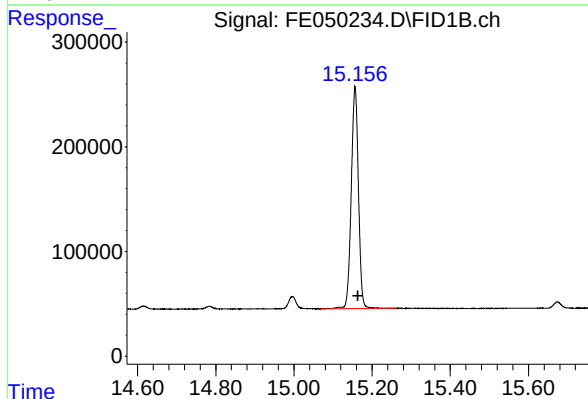
#13 n-Docosane (C22)

R.T.: 14.054 min
Delta R.T.: -0.009 min
Response: 2654480
Conc: 20.39 ug/ml

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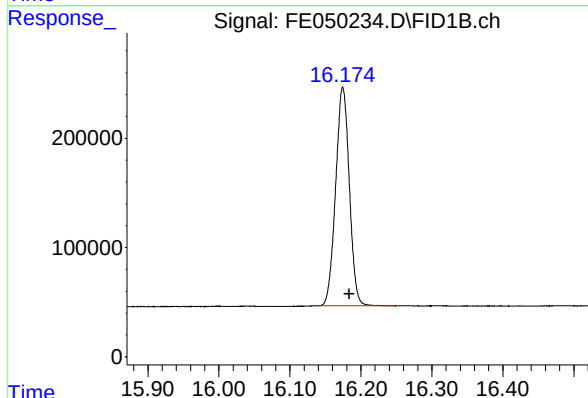
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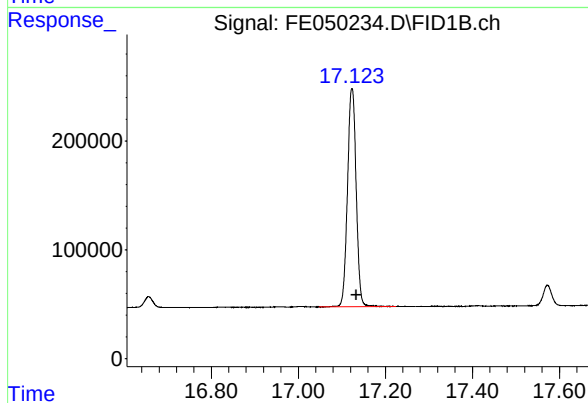
#14 n-Tetracosane (C24)

R.T.: 15.156 min
Delta R.T.: -0.008 min
Response: 2702733
Conc: 20.70 ug/ml



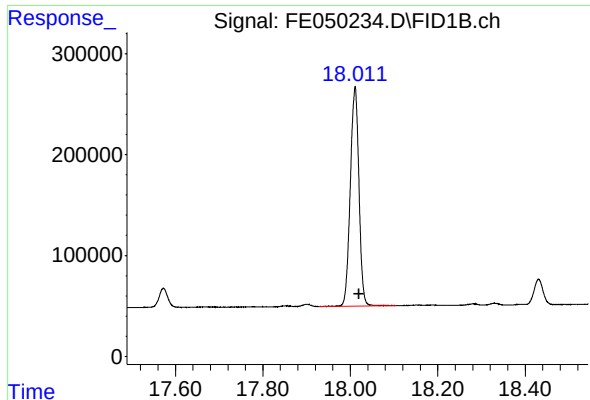
#15 n-Hexacosane (C26)

R.T.: 16.175 min
Delta R.T.: -0.009 min
Response: 2680315
Conc: 20.95 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.123 min
Delta R.T.: -0.010 min
Response: 2779149
Conc: 21.58 ug/ml



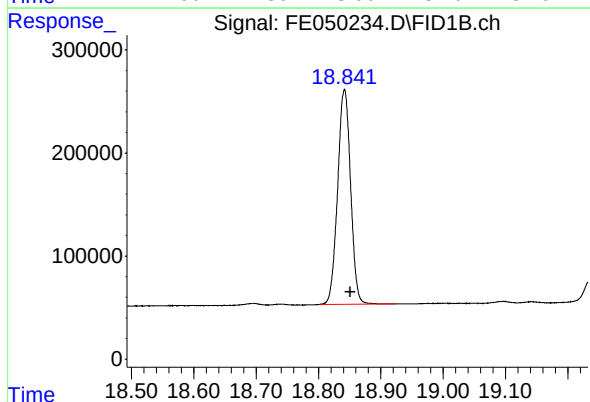
#17 n-Tricontane (C30)

R.T.: 18.011 min
Delta R.T.: -0.009 min
Response: 2989333
Conc: 22.35 ug/ml

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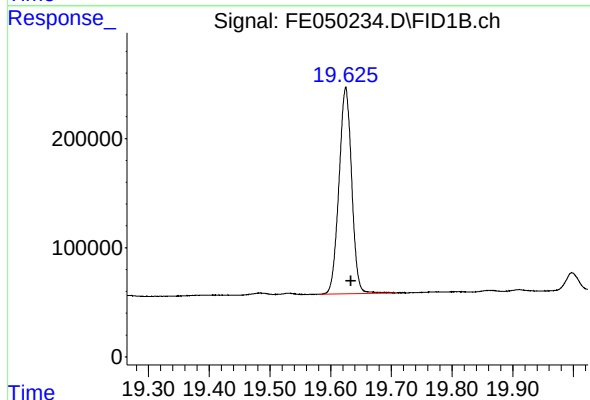
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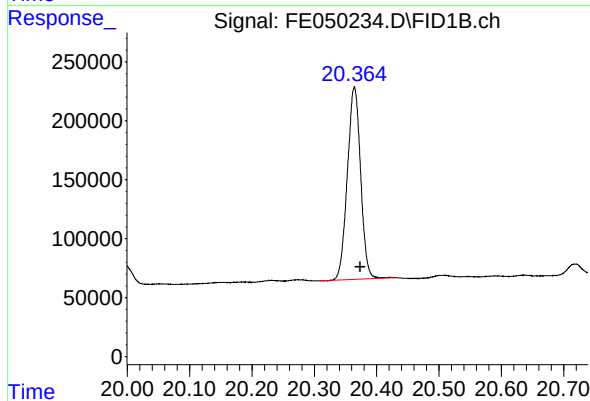
#18 n-Dotriacontane (C32)

R.T.: 18.842 min
Delta R.T.: -0.009 min
Response: 3017379
Conc: 22.64 ug/ml



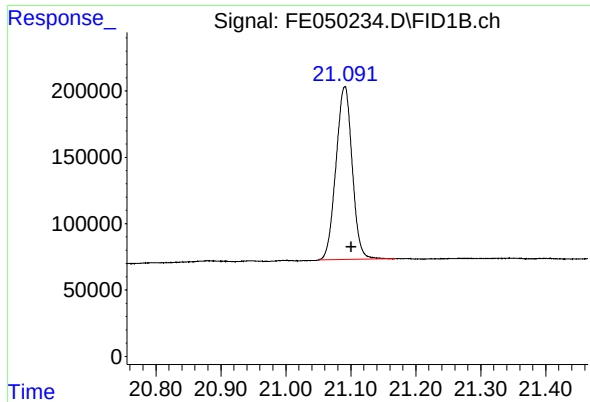
#19 n-Tetratriacontane (C34)

R.T.: 19.625 min
Delta R.T.: -0.009 min
Response: 2749993
Conc: 22.26 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.364 min
Delta R.T.: -0.009 min
Response: 2416739
Conc: 21.78 ug/ml



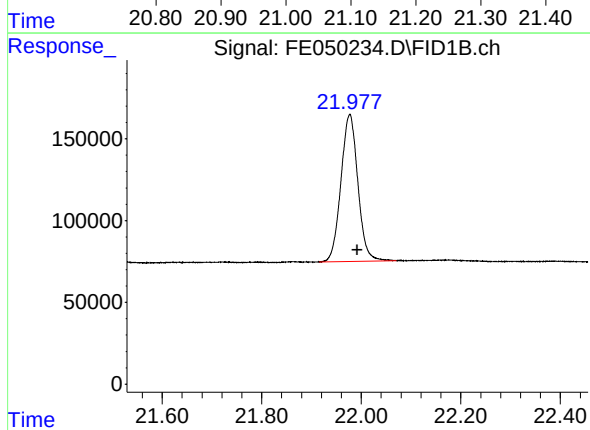
#21 n-Octatriacontane (C38)

R.T.: 21.091 min
Delta R.T.: -0.010 min
Response: 2259842
Conc: 20.49 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.977 min
Delta R.T.: -0.016 min
Response: 2130234
Conc: 19.58 ug/ml m