

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092724AL\
 Data File : FE050408.D
 Signal(s) : FID1B.ch
 Acq On : 27 Sep 2024 12:27
 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 09/30/2024
 Supervised By :Ankita Jodhani 09/30/2024

Integration File: autoint1.e
 Quant Time: Sep 28 00:16:48 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)	11.865	2941916	19.774 ug/ml
Spiked Amount 50.000		Recovery =	39.55%
12) S 1-chlorooctadecane (S...	13.298	2217058	19.738 ug/ml
Spiked Amount 50.000		Recovery =	39.48%
Target Compounds			
1) T n-Nonane (C9)	3.254	2673497	19.724 ug/ml
2) T n-Decane (C10)	4.504	2737264	19.834 ug/ml
3) T A~Naphthalene (C11.7)	6.214	2798686	19.995 ug/ml
4) T n-Dodecane (C12)	6.671	2740566	19.818 ug/mlm
5) T A~2-methylnaphthalene...	7.310	2590861	19.712 ug/ml
6) T n-Tetradecane (C14)	8.498	2715828	19.944 ug/ml
7) T n-Hexadecane (C16)	10.103	2775312	19.980 ug/ml
8) T n-Octadecane (C18)	11.545	2791602	19.926 ug/ml
10) T n-Eicosane (C20)	12.852	2655049	19.792 ug/mlm
11) T n-Heneicosane (C21)	13.464	2602384	19.805 ug/ml
13) T n-Docosane (C22)	14.049	2583344	19.839 ug/ml
14) T n-Tetracosane (C24)	15.151	2569657	19.677 ug/ml
15) T n-Hexacosane (C26)	16.169	2548469	19.919 ug/mlm
16) T n-Octacosane (C28)	17.118	2575066	19.991 ug/ml
17) T n-Tricontane (C30)	18.004	2692362	20.134 ug/ml
18) T n-Dotriacontane (C32)	18.835	2685333	20.152 ug/ml
19) T n-Tetratriacontane (C34)	19.618	2483919	20.103 ug/ml
20) T n-Hexatriacontane (C36)	20.357	2270103	20.461 ug/mlm
21) T n-Octatriacontane (C38)	21.080	2161784	19.603 ug/mlm
22) T n-Tetracontane (C40)	21.968	2054573	18.881 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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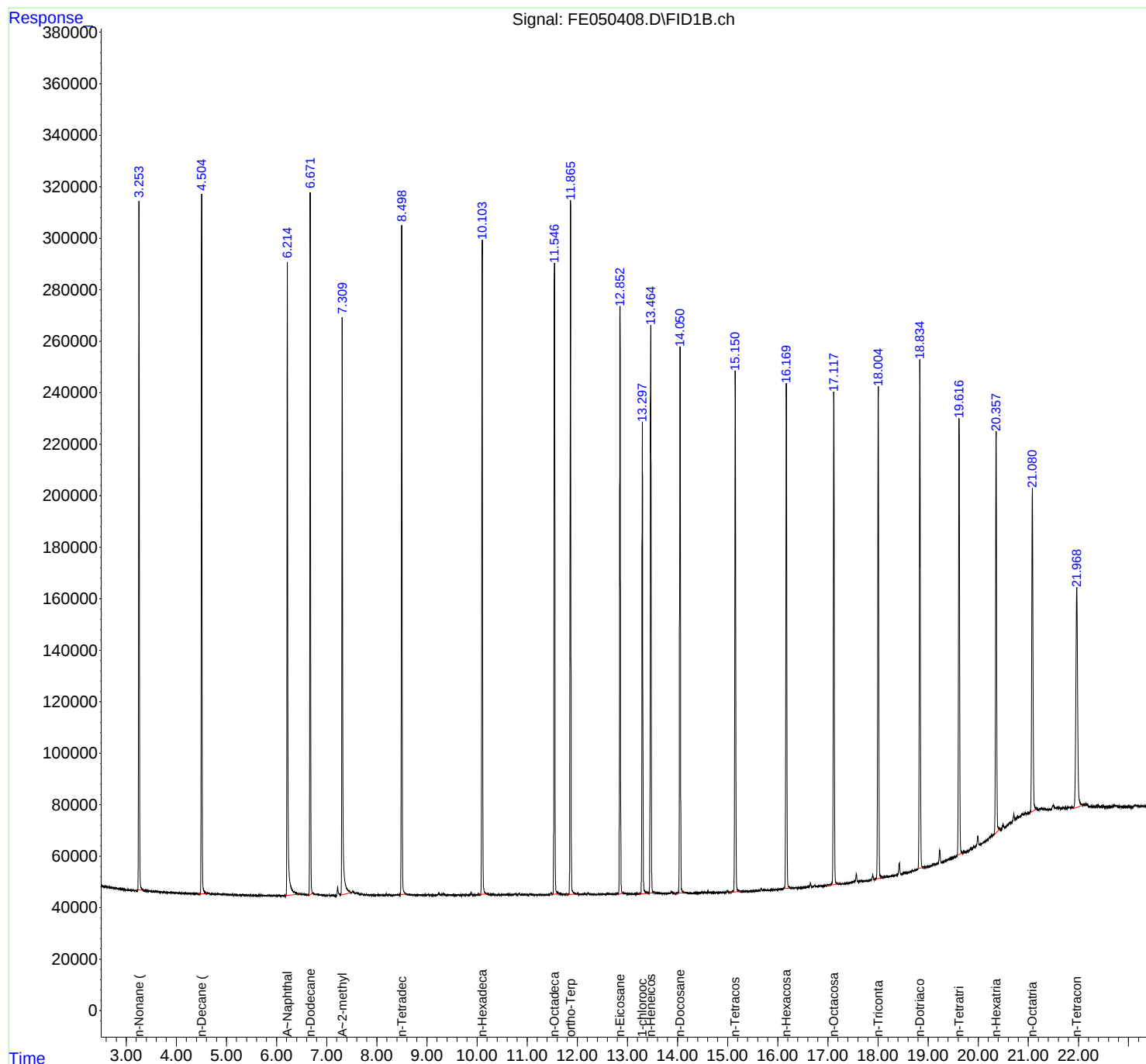
Instrument :
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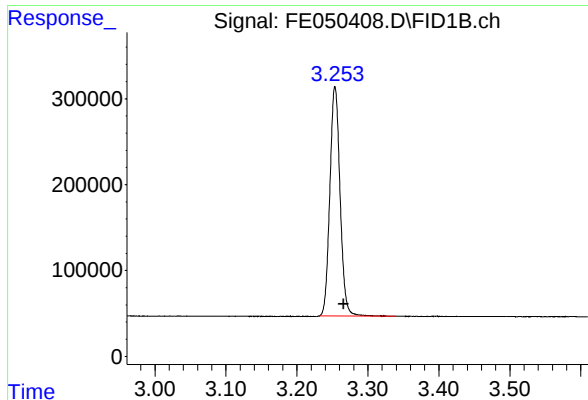
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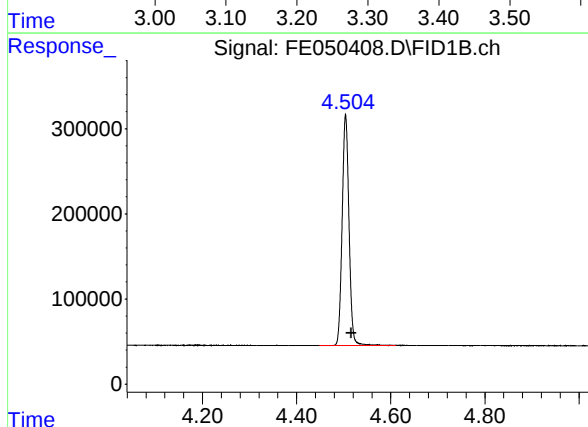
#1 n-Nonane (C9)

R.T.: 3.254 min
Delta R.T.: -0.012 min
Response: 2673497
Conc: 19.72 ug/ml

Instrument :
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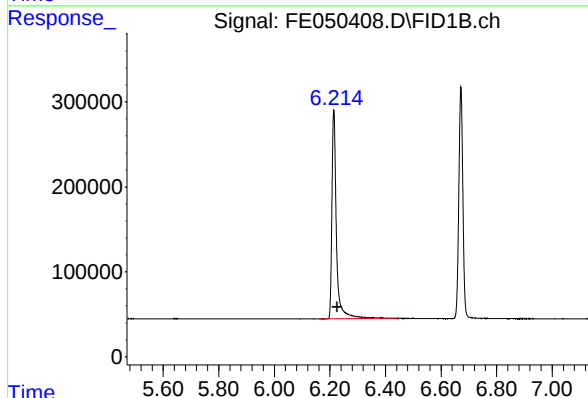
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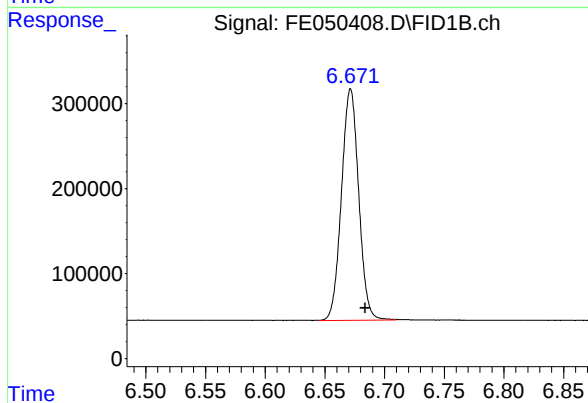
#2 n-Decane (C10)

R.T.: 4.504 min
Delta R.T.: -0.012 min
Response: 2737264
Conc: 19.83 ug/ml



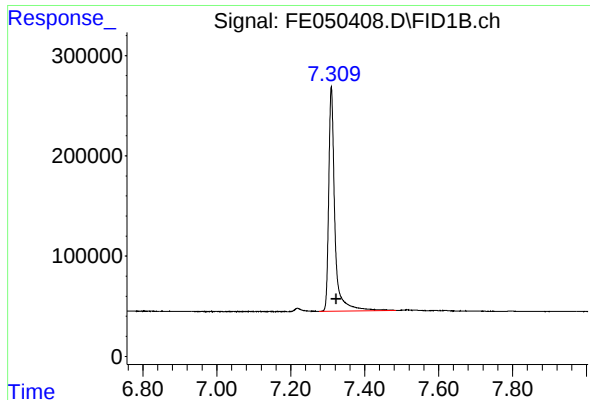
#3 A~Naphthalene (C11.7)

R.T.: 6.214 min
Delta R.T.: -0.013 min
Response: 2798686
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.671 min
Delta R.T.: -0.013 min
Response: 2740566
Conc: 19.82 ug/ml m



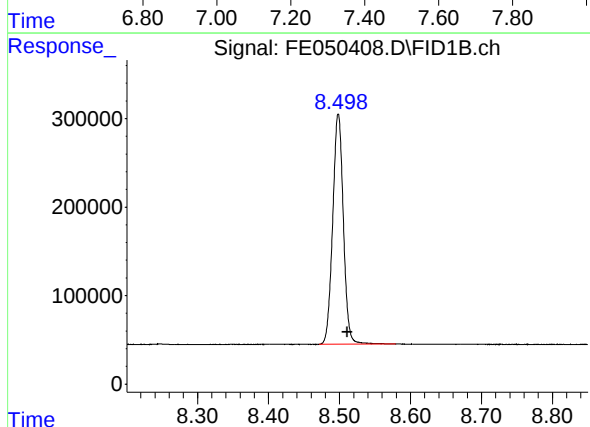
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.310 min
Delta R.T.: -0.013 min
Response: 2590861
Conc: 19.71 ug/ml

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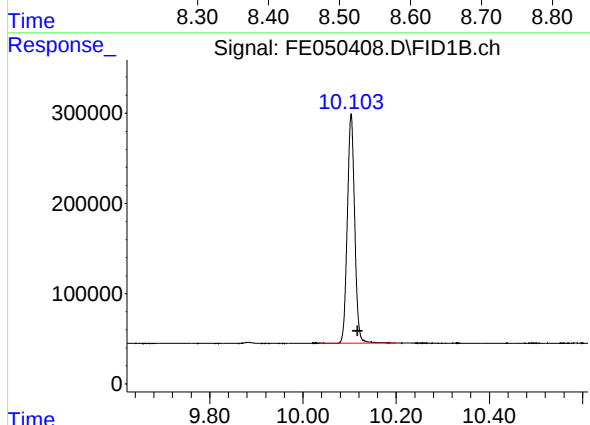
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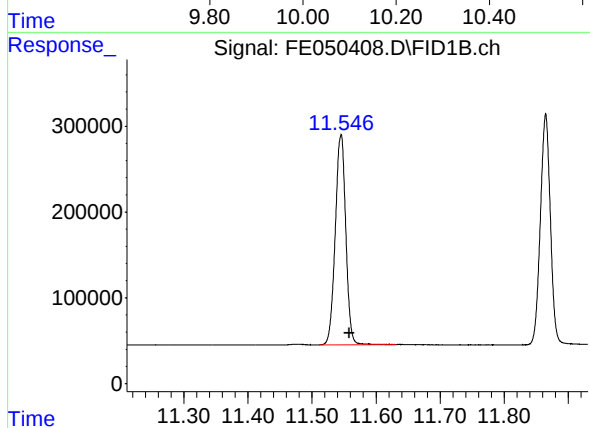
#6 n-Tetradecane (C14)

R.T.: 8.498 min
Delta R.T.: -0.012 min
Response: 2715828
Conc: 19.94 ug/ml



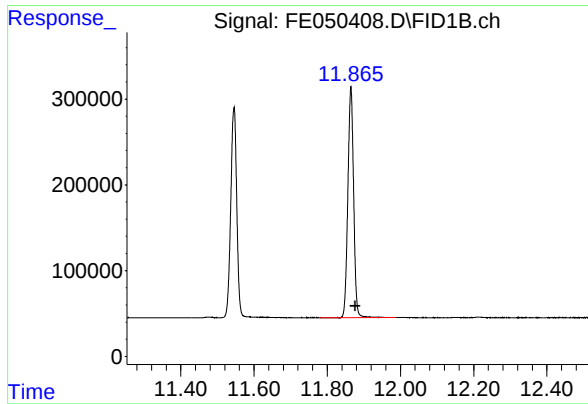
#7 n-Hexadecane (C16)

R.T.: 10.103 min
Delta R.T.: -0.014 min
Response: 2775312
Conc: 19.98 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.545 min
Delta R.T.: -0.013 min
Response: 2791602
Conc: 19.93 ug/ml



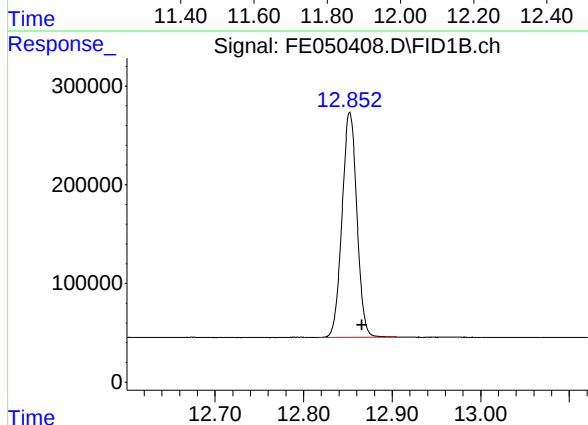
#9 ortho-Terphenyl (SURR)

R.T.: 11.865 min
Delta R.T.: -0.012 min
Response: 2941916
Conc: 19.77 ug/ml

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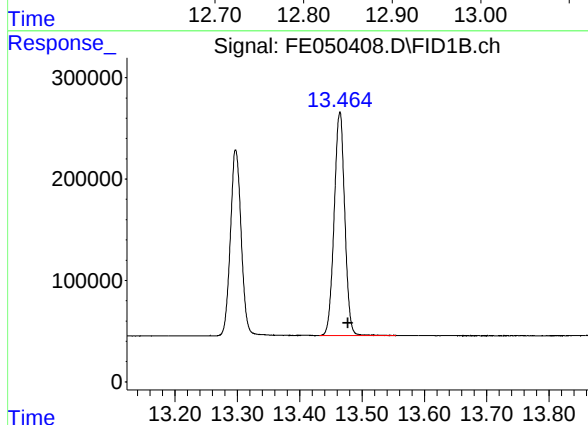
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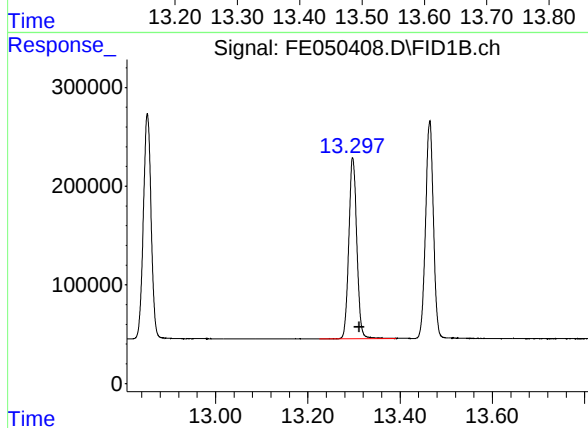
#10 n-Eicosane (C20)

R.T.: 12.852 min
Delta R.T.: -0.014 min
Response: 2655049
Conc: 19.79 ug/ml



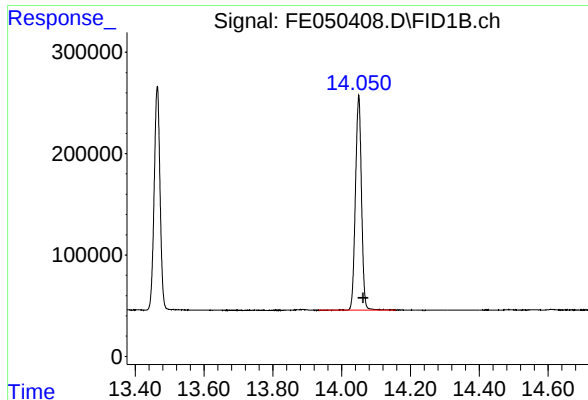
#11 n-Heneicosane (C21)

R.T.: 13.464 min
Delta R.T.: -0.013 min
Response: 2602384
Conc: 19.81 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.298 min
Delta R.T.: -0.014 min
Response: 2217058
Conc: 19.74 ug/ml



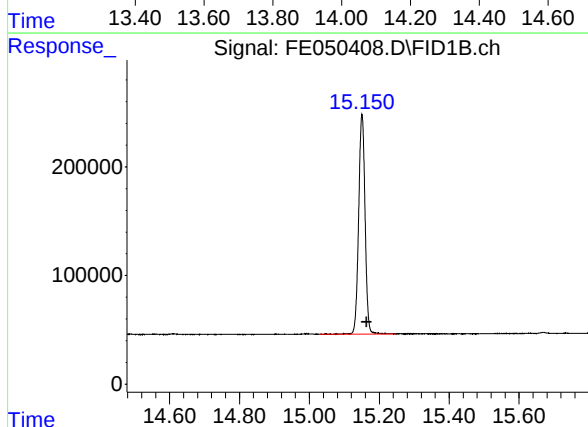
#13 n-Docosane (C22)

R.T.: 14.049 min
Delta R.T.: -0.013 min
Response: 2583344
Conc: 19.84 ug/ml

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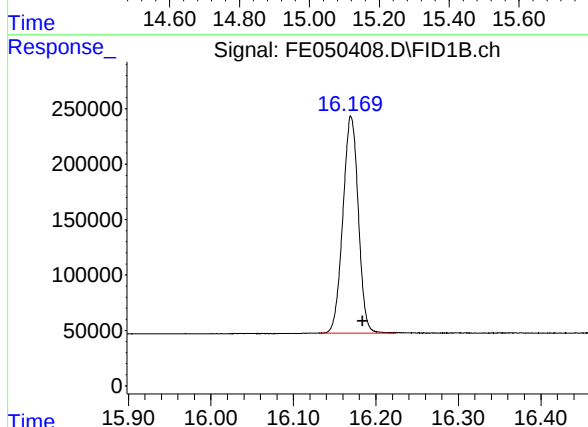
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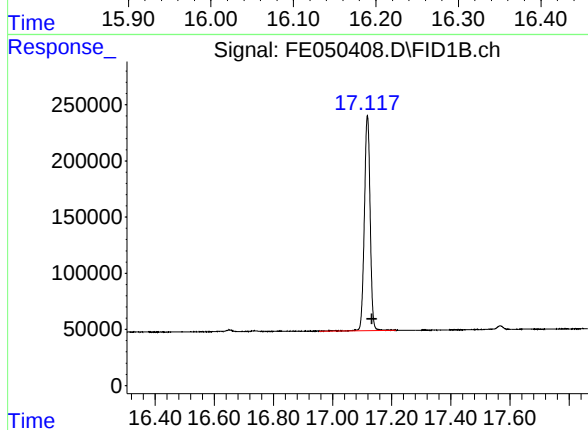
#14 n-Tetracosane (C24)

R.T.: 15.151 min
Delta R.T.: -0.014 min
Response: 2569657
Conc: 19.68 ug/ml



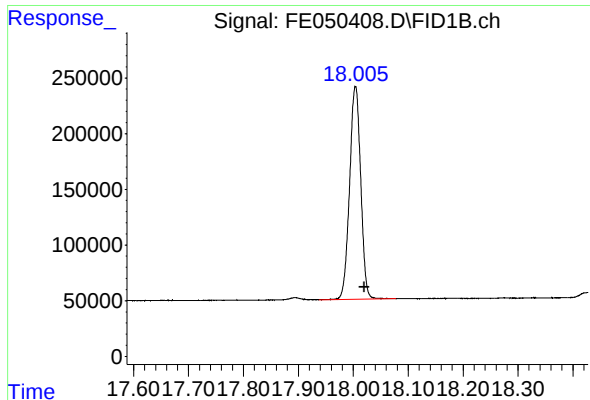
#15 n-Hexacosane (C26)

R.T.: 16.169 min
Delta R.T.: -0.015 min
Response: 2548469
Conc: 19.92 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.118 min
Delta R.T.: -0.015 min
Response: 2575066
Conc: 19.99 ug/ml



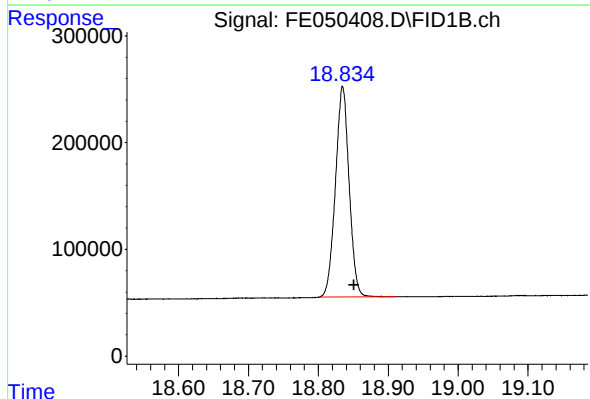
#17 n-Tricontane (C30)

R.T.: 18.004 min
Delta R.T.: -0.016 min
Response: 2692362
Conc: 20.13 ug/ml

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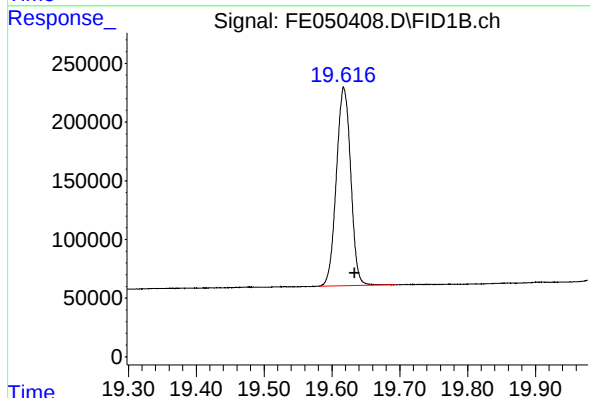
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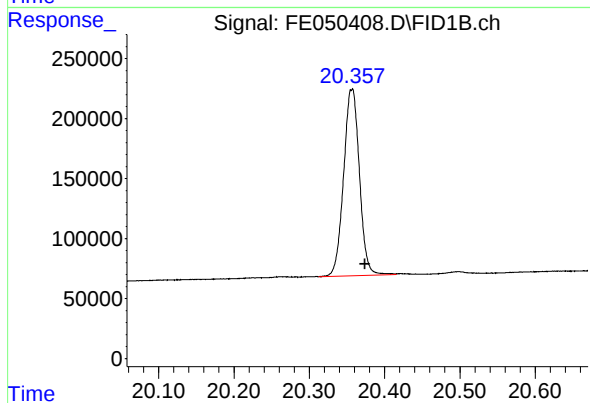
#18 n-Dotriacontane (C32)

R.T.: 18.835 min
Delta R.T.: -0.016 min
Response: 2685333
Conc: 20.15 ug/ml



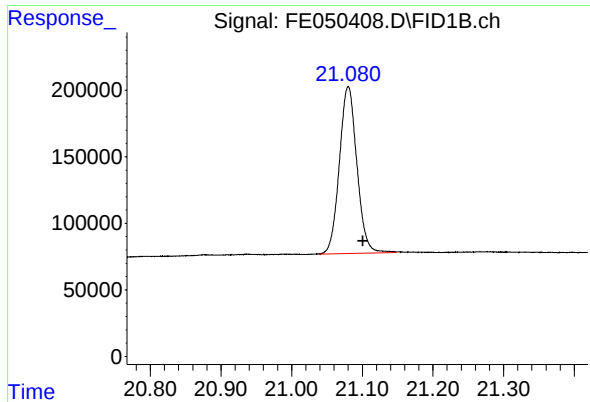
#19 n-Tetratriacontane (C34)

R.T.: 19.618 min
Delta R.T.: -0.016 min
Response: 2483919
Conc: 20.10 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.357 min
Delta R.T.: -0.016 min
Response: 2270103
Conc: 20.46 ug/ml m



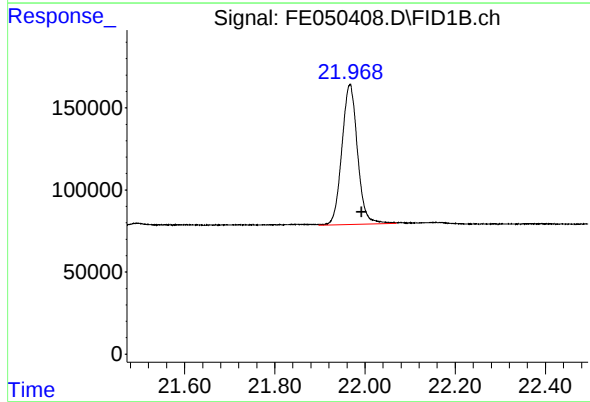
#21 n-Octatriacontane (C38)

R.T.: 21.080 min
Delta R.T.: -0.021 min
Response: 2161784
Conc: 19.60 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.968 min
Delta R.T.: -0.025 min
Response: 2054573
Conc: 18.88 ug/ml m