

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110424AL\
 Data File : FE050993.D
 Signal(s) : FID1B.ch
 Acq On : 04 Nov 2024 10:19
 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 11/06/2024
 Supervised By :Ankita Jodhani 11/06/2024

Integration File: sample.E
 Quant Time: Nov 05 03:46:40 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 07 16:32:18 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)	11.854	2983771	18.926 ug/mlm
Spiked Amount 50.000		Recovery =	37.85%
12) S 1-chlorooctadecane (S...	13.287	2257365	19.083 ug/ml
Spiked Amount 50.000		Recovery =	38.17%
Target Compounds			
1) T n-Nonane (C9)	3.242	2615182	18.509 ug/ml
2) T n-Decane (C10)	4.492	2713360	18.912 ug/ml
3) T A~Naphthalene (C11.7)	6.205	2582422	18.060 ug/ml
4) T n-Dodecane (C12)	6.660	2738563	19.027 ug/ml
5) T A~2-methylnaphthalene...	7.302	2402105	18.132 ug/ml
6) T n-Tetradecane (C14)	8.487	2709280	18.937 ug/ml
7) T n-Hexadecane (C16)	10.092	2808630	19.084 ug/ml
8) T n-Octadecane (C18)	11.533	2856584	19.124 ug/ml
10) T n-Eicosane (C20)	12.841	2765690	19.286 ug/ml
11) T n-Heneicosane (C21)	13.452	2687883	19.140 ug/ml
13) T n-Docosane (C22)	14.038	2785956	19.858 ug/ml
14) T n-Tetracosane (C24)	15.139	2977828	21.078 ug/mlm
15) T n-Hexacosane (C26)	16.158	3119062	22.166 ug/mlm
16) T n-Octacosane (C28)	17.106	3397074	23.215 ug/ml
17) T n-Tricontane (C30)	17.993	3792763	23.853 ug/ml
18) T n-Dotriacontane (C32)	18.825	3869392	23.868 ug/ml
19) T n-Tetratriacontane (C34)	19.608	3272732	22.280 ug/ml
20) T n-Hexatriacontane (C36)	20.347	2797216	22.058 ug/mlm
21) T n-Octatriacontane (C38)	21.070	2300052	18.602 ug/ml
22) T n-Tetracontane (C40)	21.951	1783237	16.015 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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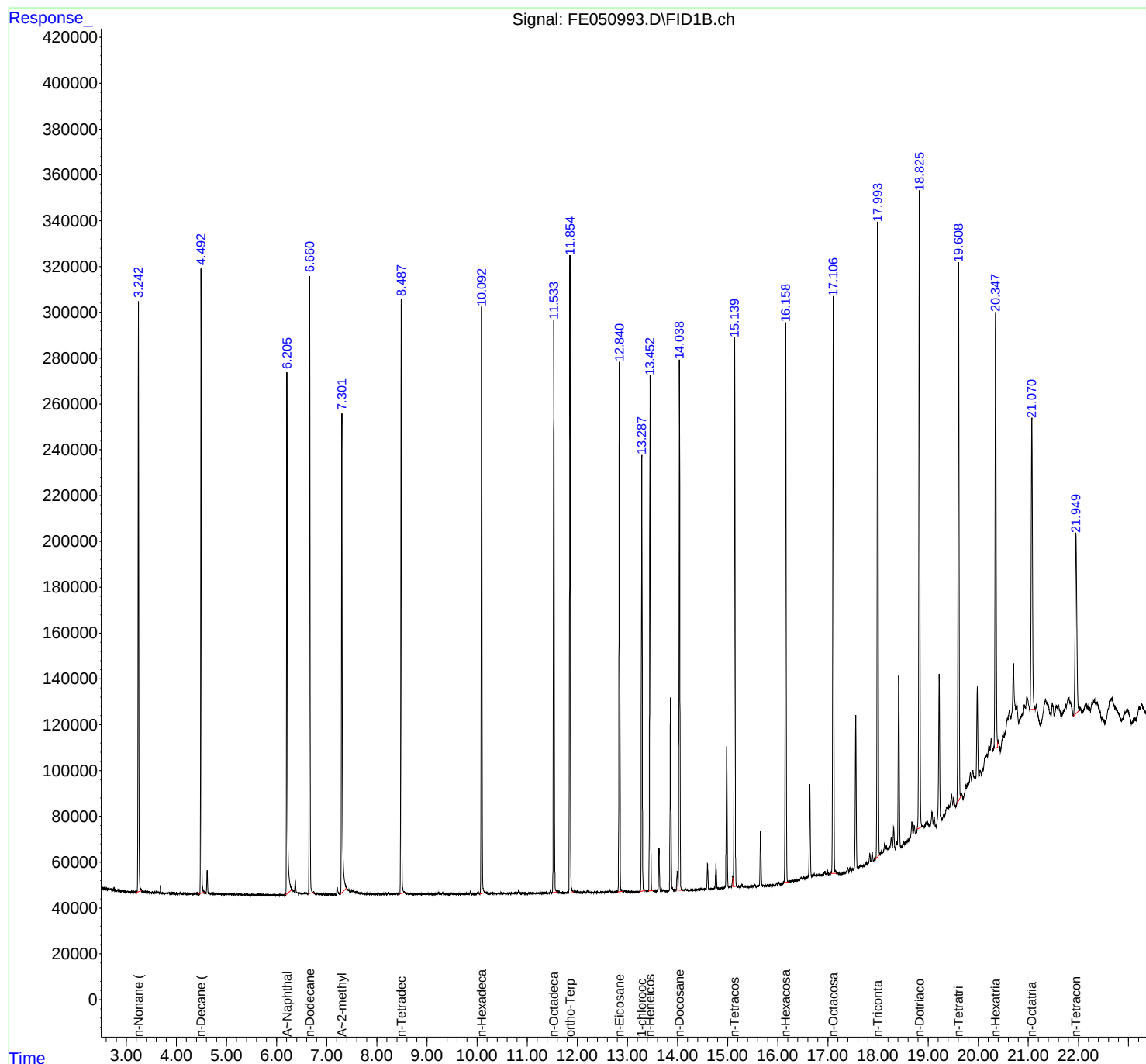
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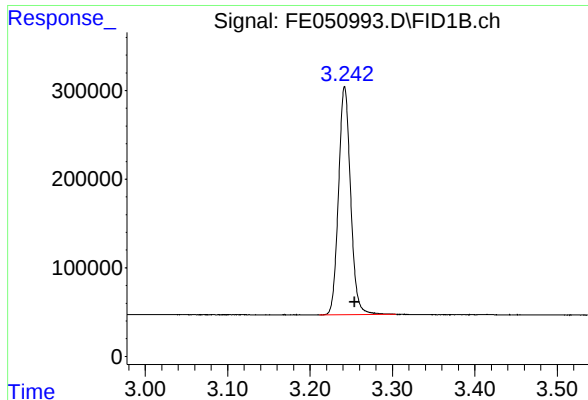
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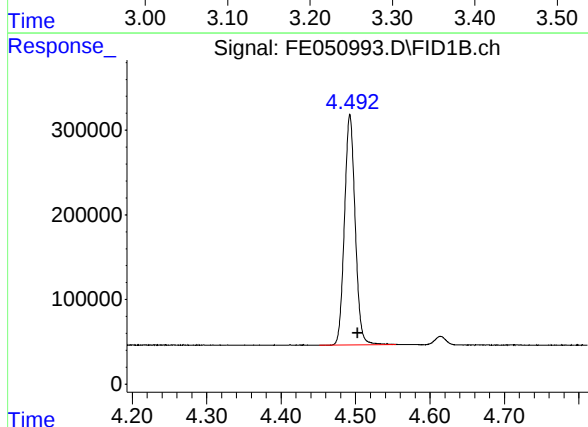
#1 n-Nonane (C9)

R.T.: 3.242 min
Delta R.T.: -0.012 min
Response: 2615182
Conc: 18.51 ug/ml

Instrument :
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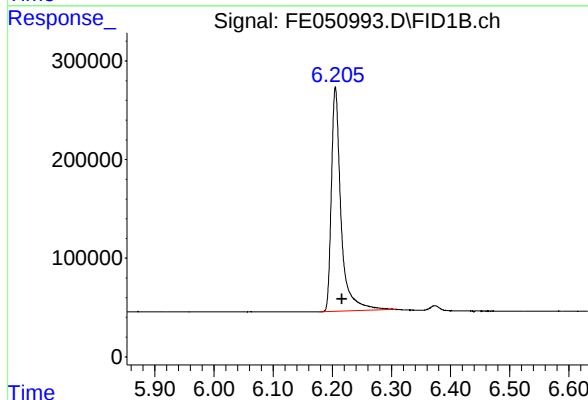
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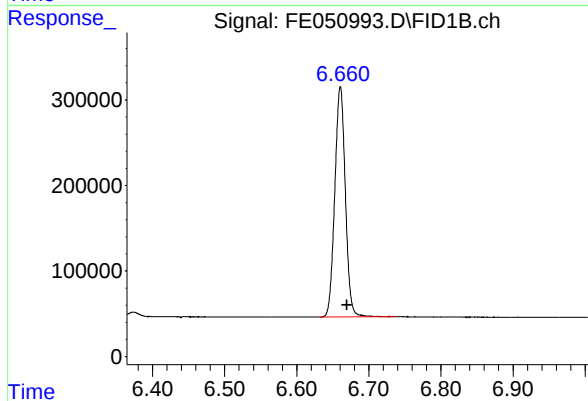
#2 n-Decane (C10)

R.T.: 4.492 min
Delta R.T.: -0.010 min
Response: 2713360
Conc: 18.91 ug/ml



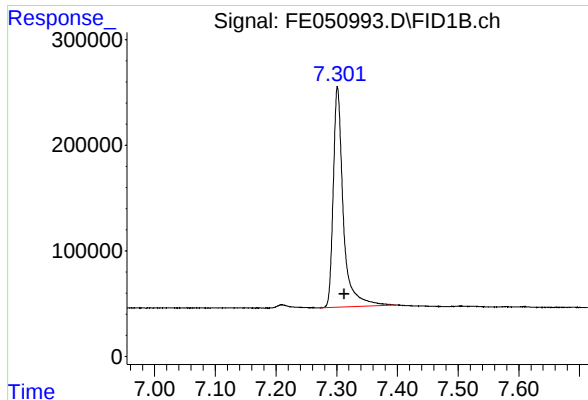
#3 A~Naphthalene (C11.7)

R.T.: 6.205 min
Delta R.T.: -0.011 min
Response: 2582422
Conc: 18.06 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.660 min
Delta R.T.: -0.009 min
Response: 2738563
Conc: 19.03 ug/ml



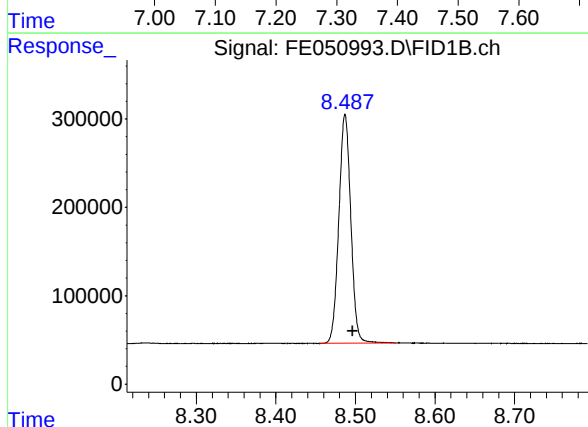
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.302 min
Delta R.T.: -0.011 min
Response: 2402105
Conc: 18.13 ug/ml

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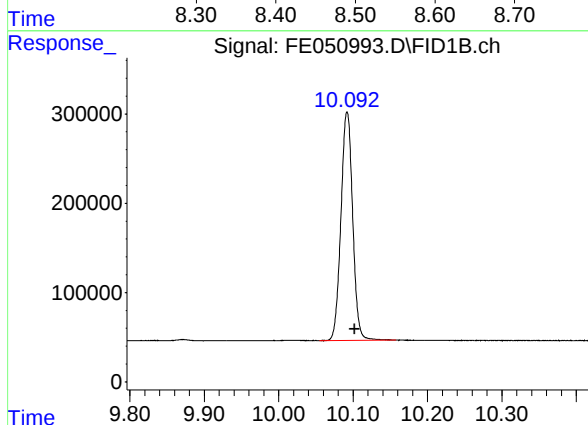
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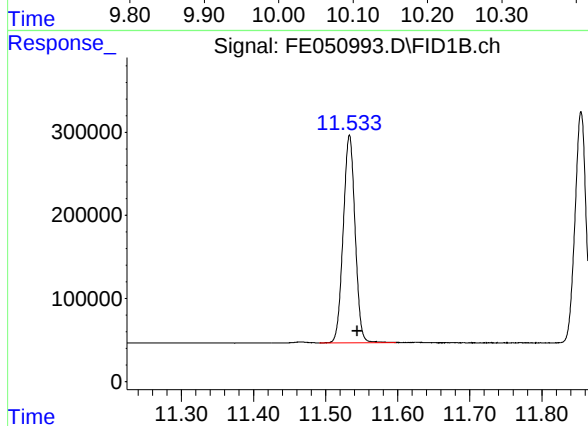
#6 n-Tetradecane (C14)

R.T.: 8.487 min
Delta R.T.: -0.009 min
Response: 2709280
Conc: 18.94 ug/ml



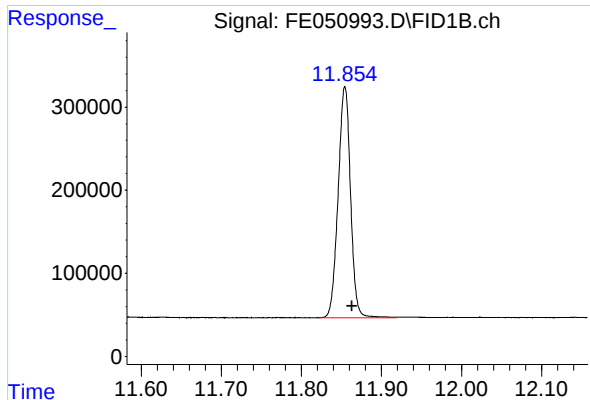
#7 n-Hexadecane (C16)

R.T.: 10.092 min
Delta R.T.: -0.010 min
Response: 2808630
Conc: 19.08 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.533 min
Delta R.T.: -0.011 min
Response: 2856584
Conc: 19.12 ug/ml



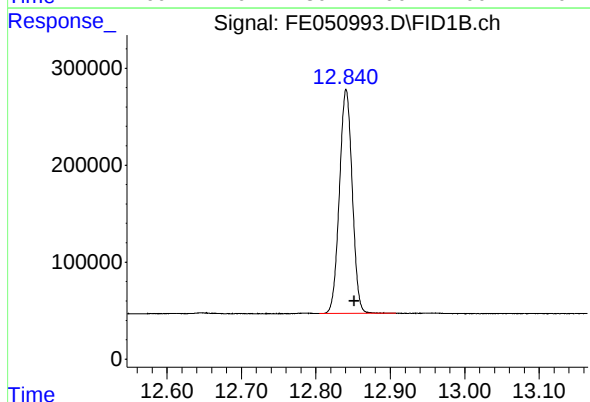
#9 ortho-Terphenyl (SURR)

R.T.: 11.854 min
Delta R.T.: -0.009 min
Response: 2983771
Conc: 18.93 ug/ml

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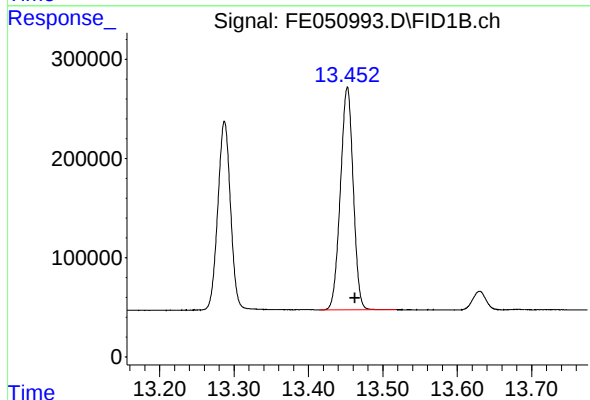
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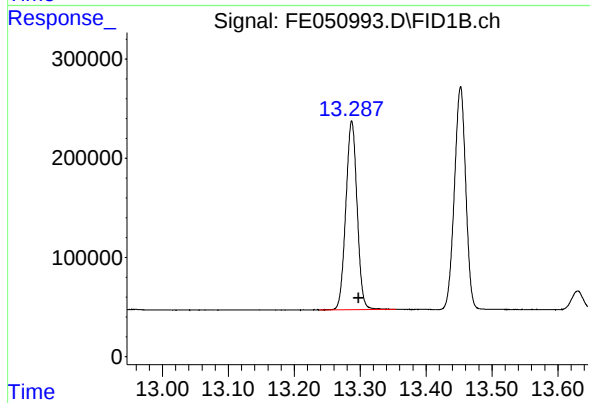
#10 n-Eicosane (C20)

R.T.: 12.841 min
Delta R.T.: -0.011 min
Response: 2765690
Conc: 19.29 ug/ml



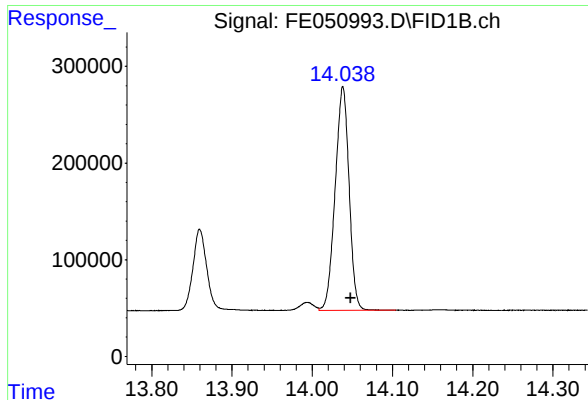
#11 n-Heneicosane (C21)

R.T.: 13.452 min
Delta R.T.: -0.010 min
Response: 2687883
Conc: 19.14 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.287 min
Delta R.T.: -0.011 min
Response: 2257365
Conc: 19.08 ug/ml



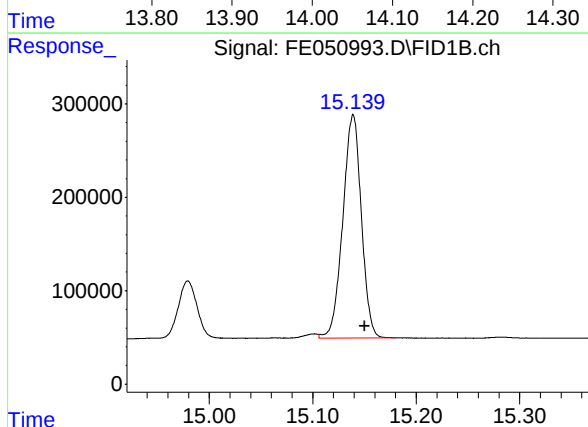
#13 n-Docosane (C22)

R.T.: 14.038 min
Delta R.T.: -0.010 min
Response: 2785956
Conc: 19.86 ug/ml

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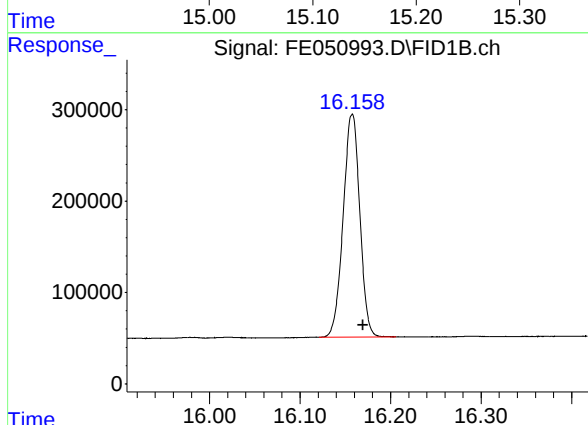
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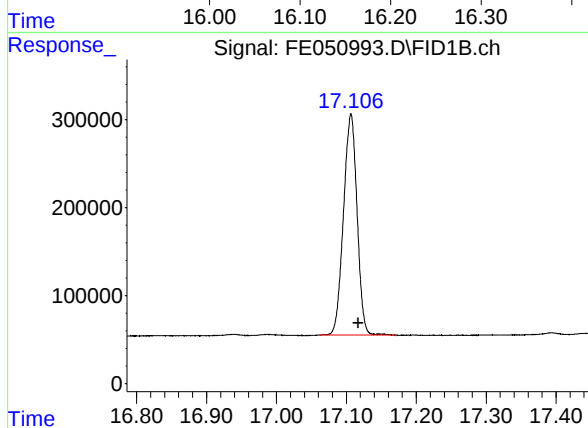
#14 n-Tetracosane (C24)

R.T.: 15.139 min
Delta R.T.: -0.011 min
Response: 2977828
Conc: 21.08 ug/ml m



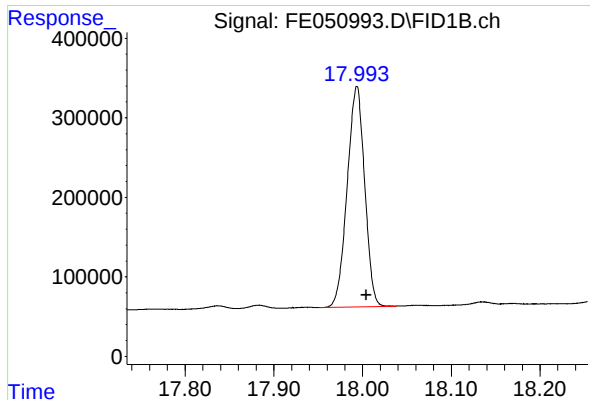
#15 n-Hexacosane (C26)

R.T.: 16.158 min
Delta R.T.: -0.012 min
Response: 3119062
Conc: 22.17 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.106 min
Delta R.T.: -0.011 min
Response: 3397074
Conc: 23.22 ug/ml



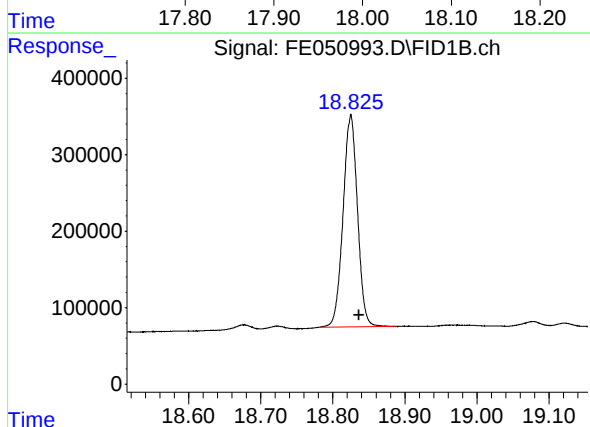
#17 n-Tricontane (C30)

R.T.: 17.993 min
Delta R.T.: -0.011 min
Response: 3792763
Conc: 23.85 ug/ml

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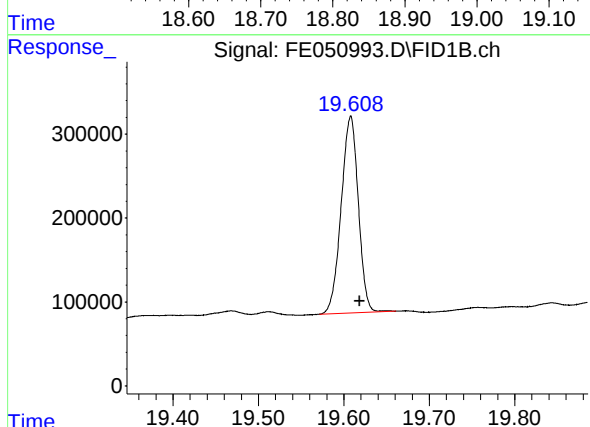
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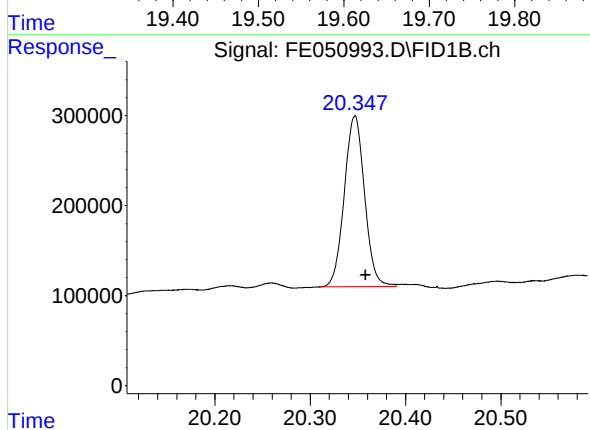
#18 n-Dotriacontane (C32)

R.T.: 18.825 min
Delta R.T.: -0.012 min
Response: 3869392
Conc: 23.87 ug/ml



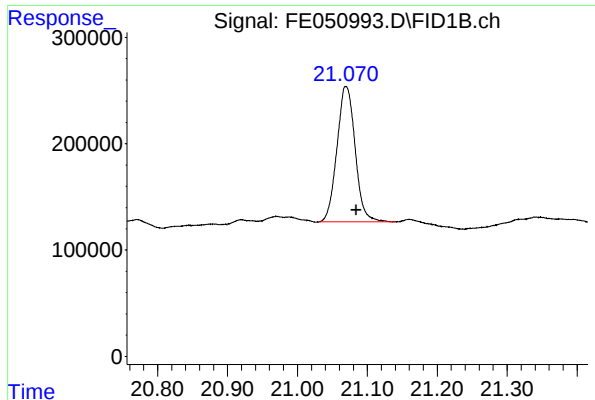
#19 n-Tetratriacontane (C34)

R.T.: 19.608 min
Delta R.T.: -0.011 min
Response: 3272732
Conc: 22.28 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.347 min
Delta R.T.: -0.011 min
Response: 2797216
Conc: 22.06 ug/ml m



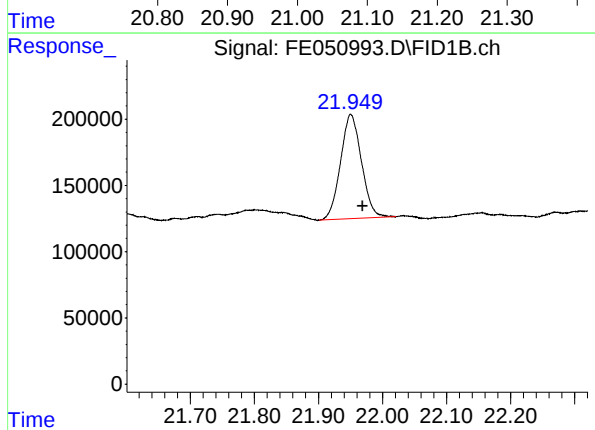
#21 n-Octatriacontane (C38)

R.T.: 21.070 min
Delta R.T.: -0.014 min
Response: 2300052
Conc: 18.60 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.951 min
Delta R.T.: -0.018 min
Response: 1783237
Conc: 16.01 ug/ml